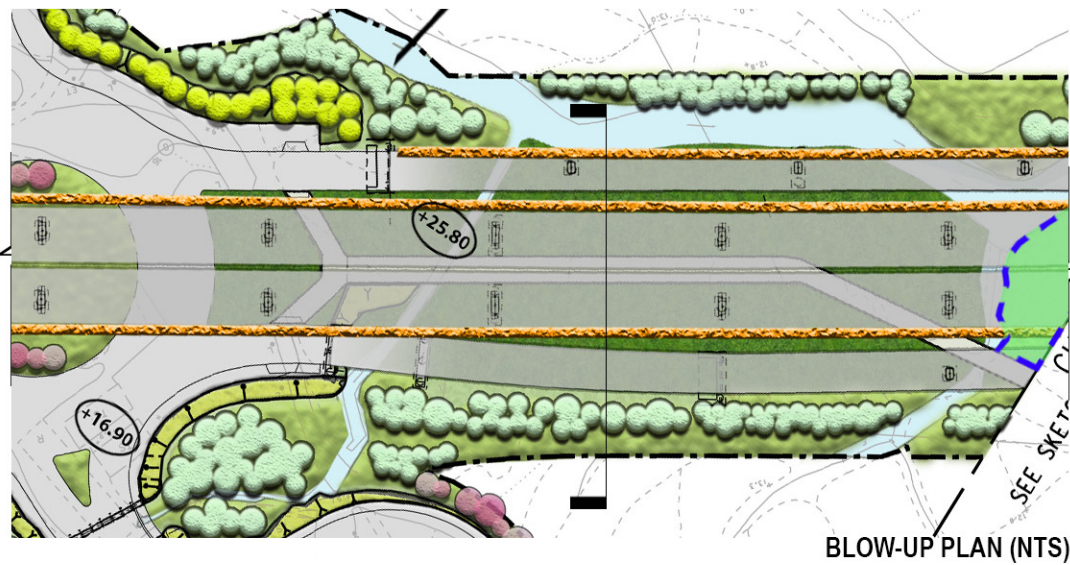
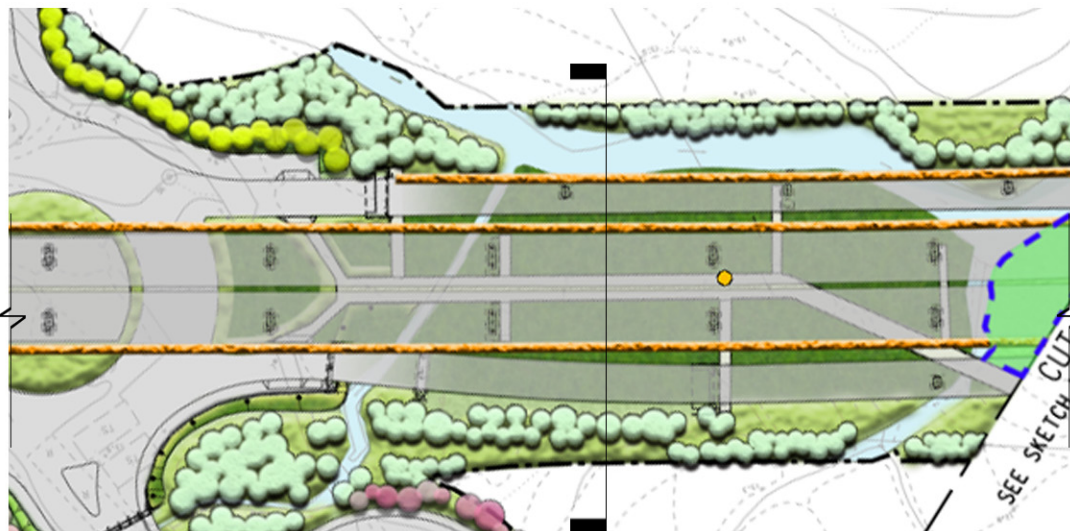




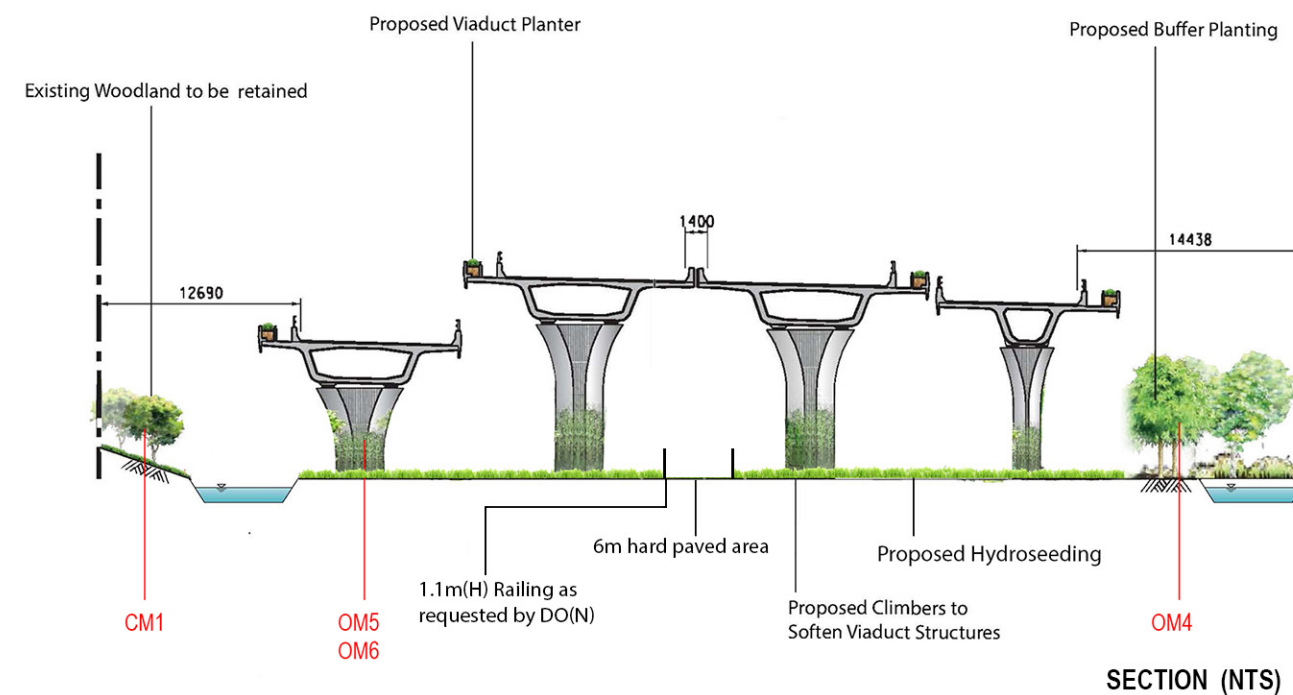
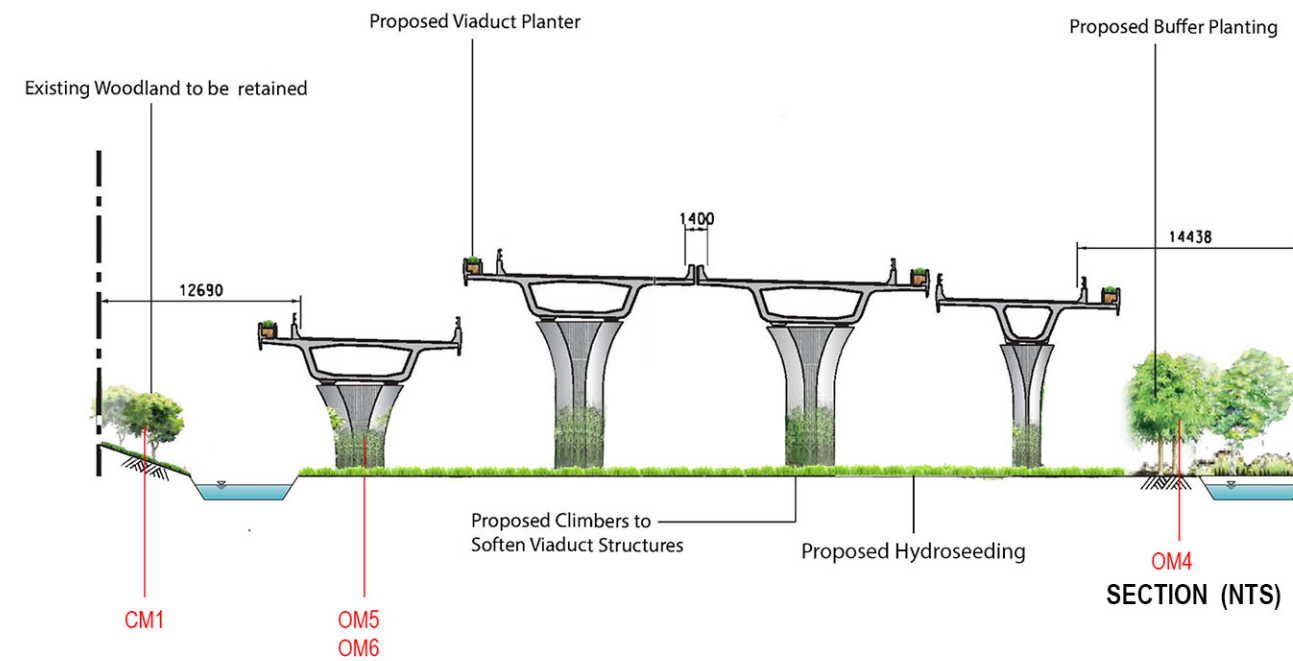
Revised Aesthetic Improvement Planting under Viaduct Structure (OM6)



APPROVED LANDSCAPE PLAN REV.3
(Dated: Oct 2019)



REVISED LANDSCAPE PLAN REV.4
(this submission)

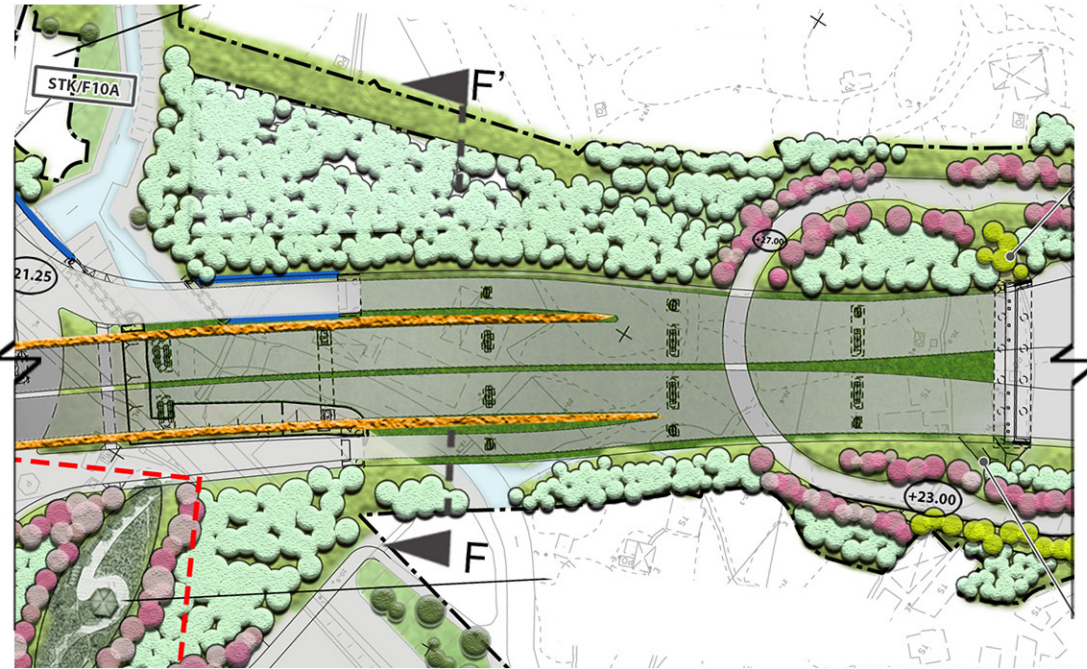


LIANTANG/HEUNG YUEN WAI BOUNDARY
CONTROL POINT AND ASSOCIATED WORKS
(SITE FORMATION AND INFRASTRUCTURES)
- DESIGN AND CONSTRUCTION

Revised Aesthetic Improvement
Planting under Viaduct structure
(Sheet 1 of 3)

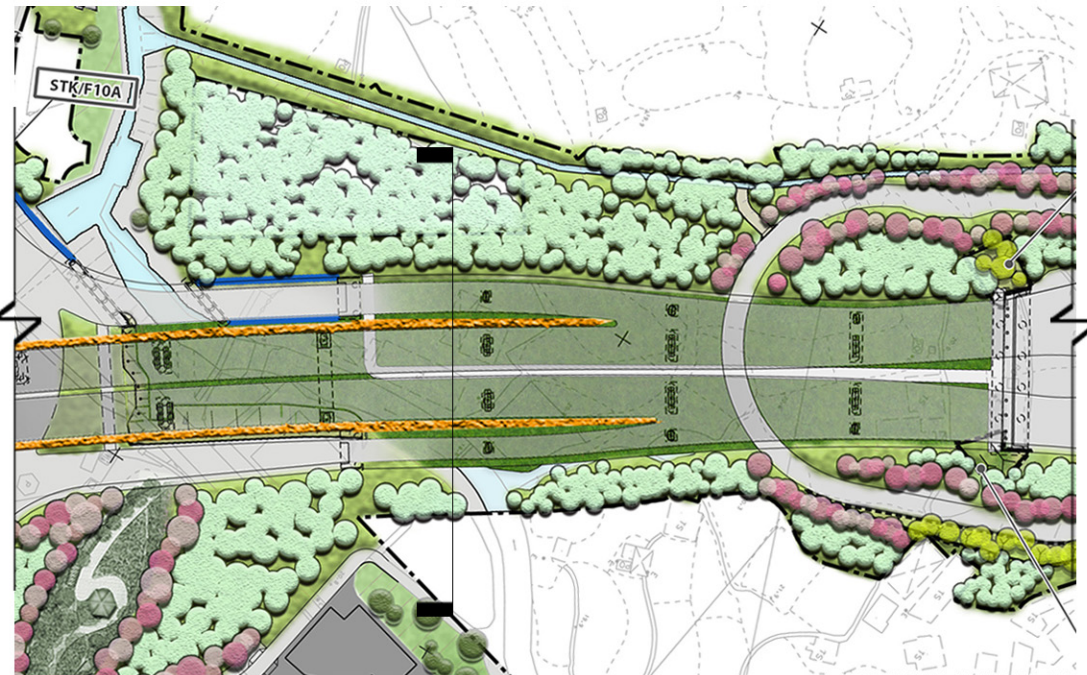
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Date: Jun 2020





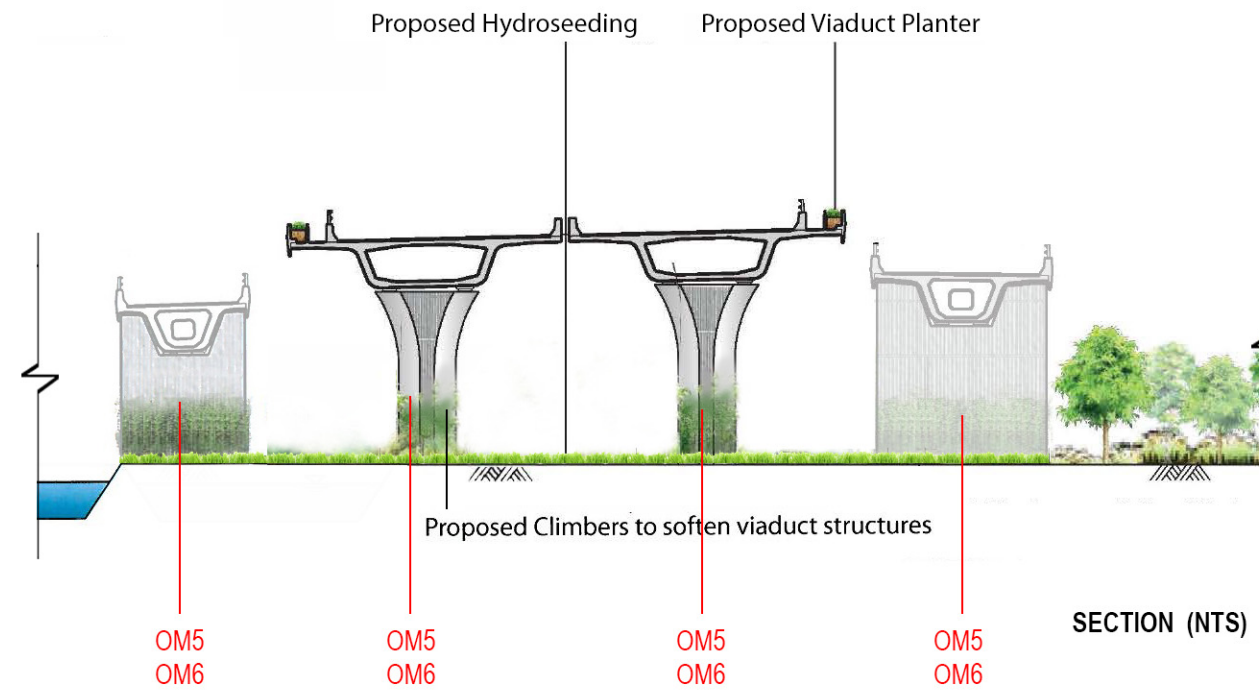
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(Dated: Oct 2019)

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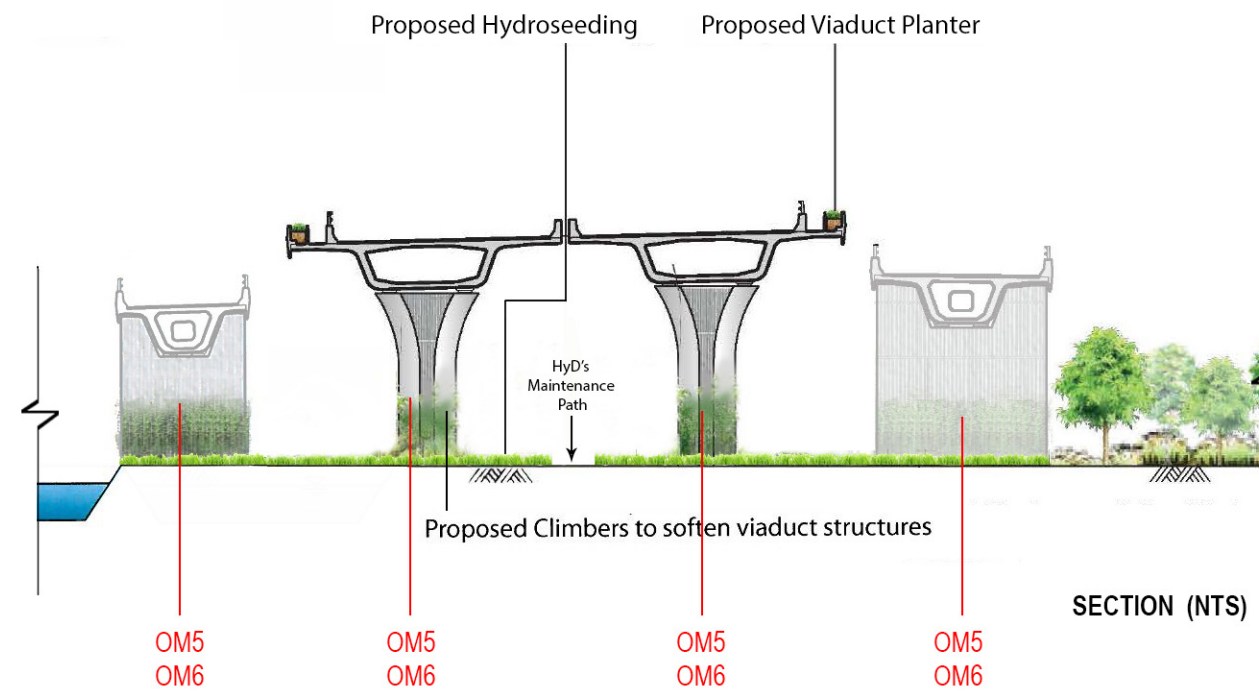


REVISED LANDSCAPE PLAN REV.4
(this submission)

BLOW-UP PLAN (NTS)



SECTION (NTS)



SECTION (NTS)

LIANTANG/HEUNG YUEN WAI BOUNDARY
CONTROL POINT AND ASSOCIATED WORKS
(SITE FORMATION AND INFRASTRUCTURES)
- DESIGN AND CONSTRUCTION

Revised Aesthetic Improvement
Planting under Viaduct structure
(Sheet 2 of 3)

Figure No.: 60212563/LM/P02A
Date: Jun 2020





BLOW-UP PLAN (NTS)

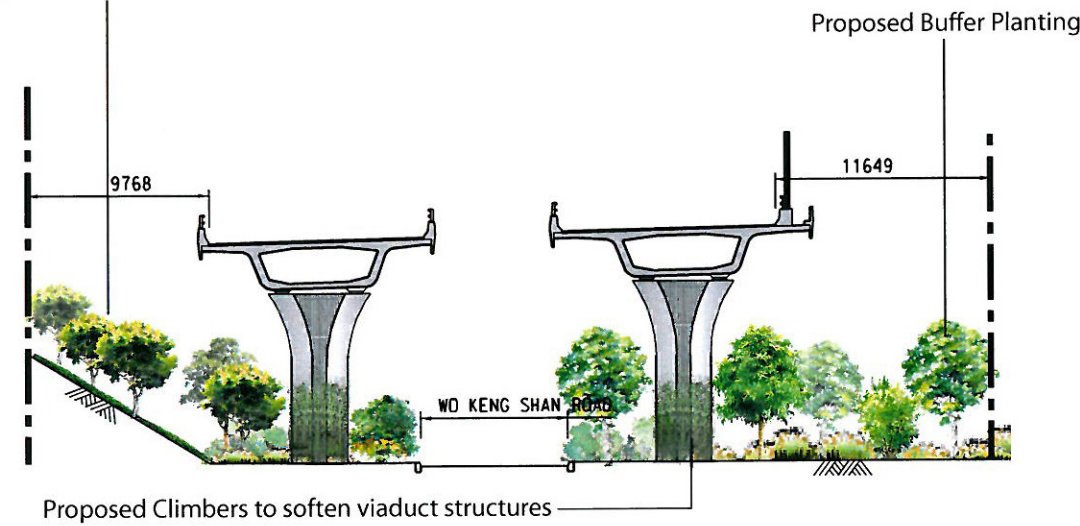
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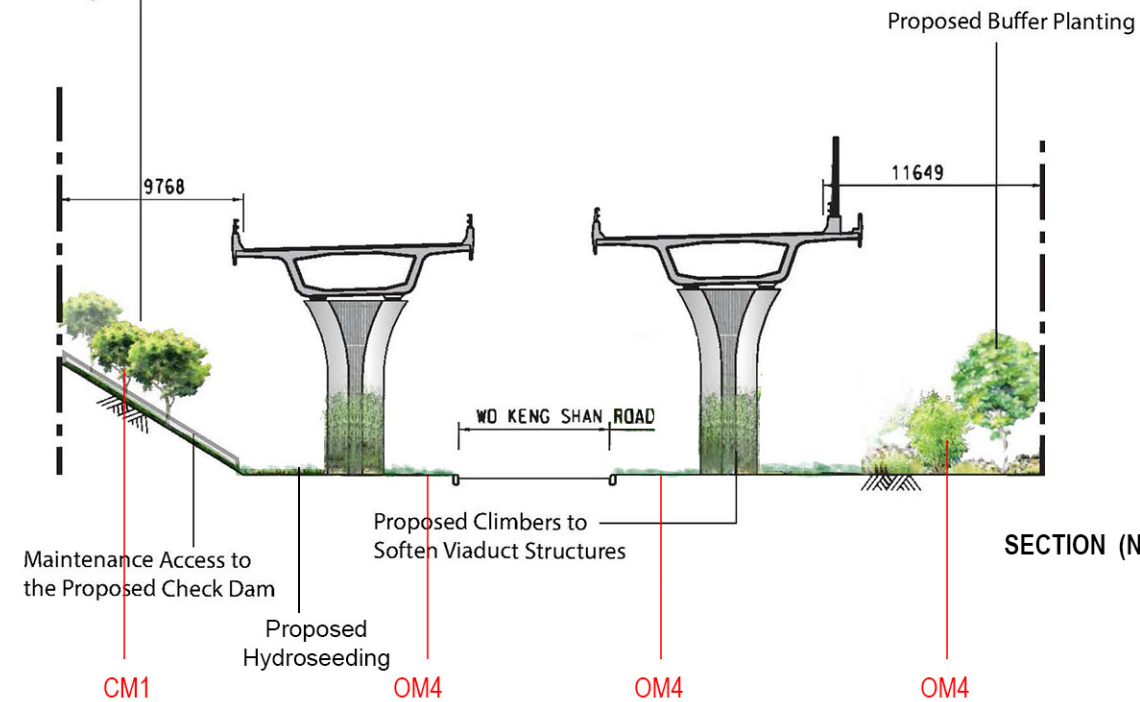
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(this submission)

Existing Woodland to be retained



SECTION (NTS)

Existing Woodland to be Retained



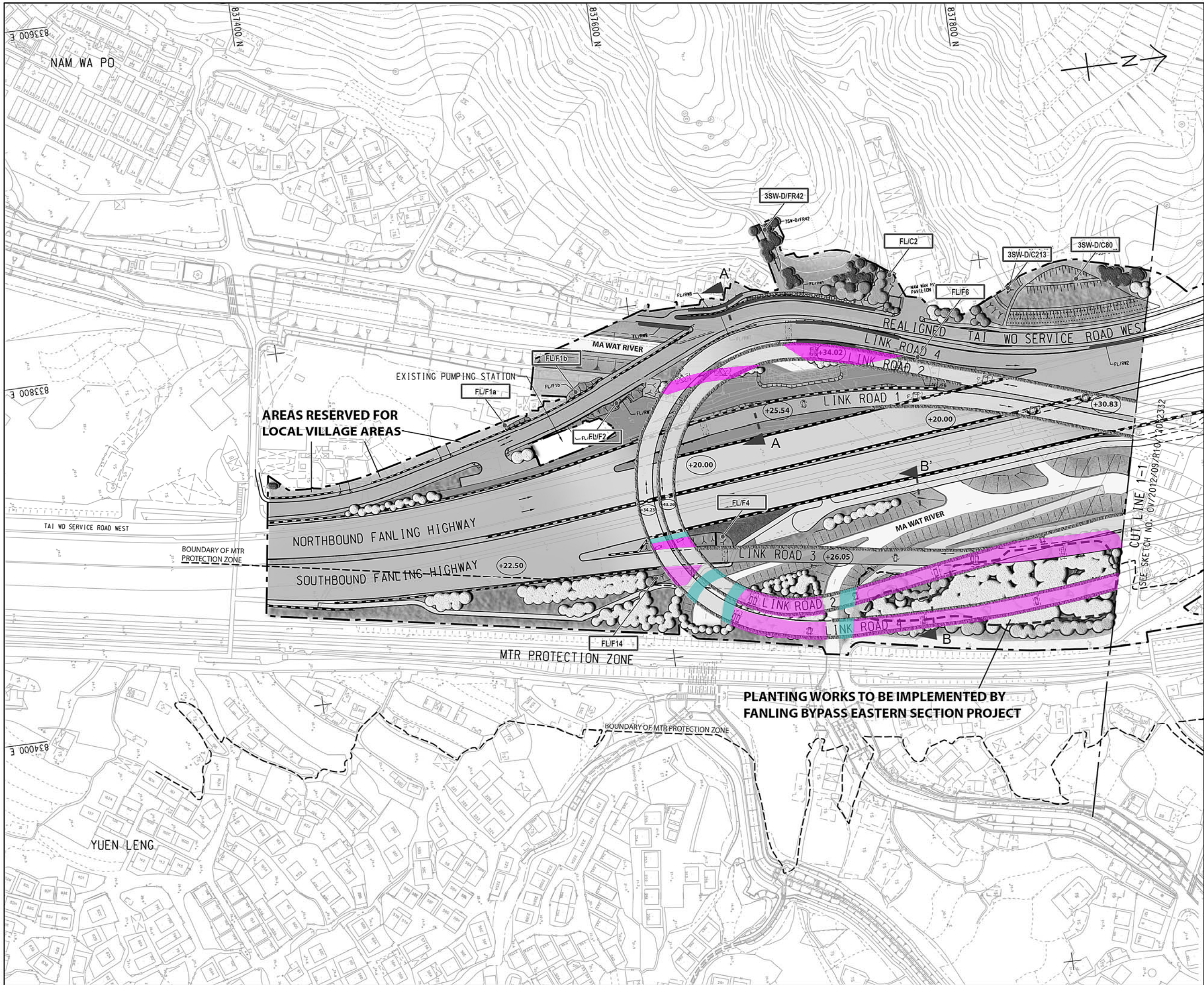
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LIANTANG/HEUNG YUEN WAI BOUNDARY
CONTROL POINT AND ASSOCIATED WORKS
(SITE FORMATION AND INFRASTRUCTURES)
- DESIGN AND CONSTRUCTION

Revised Aesthetic Improvement
Planting under Viaduct structure
(Sheet 3 of 3)

Figure No.: 60212563/LM/P03A
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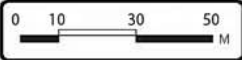




Hydroseeding under Viaduct Structure
(Detail refer to DWG no. CV/2012/09/
R10/120/1653-1661 in Appendix D)



Shade Tolerant Shrubs Planting under
Viaduct Structure
(Detail refer to DWG no. CV/2012/09/
R10/120/1653-1661 in Appendix D)



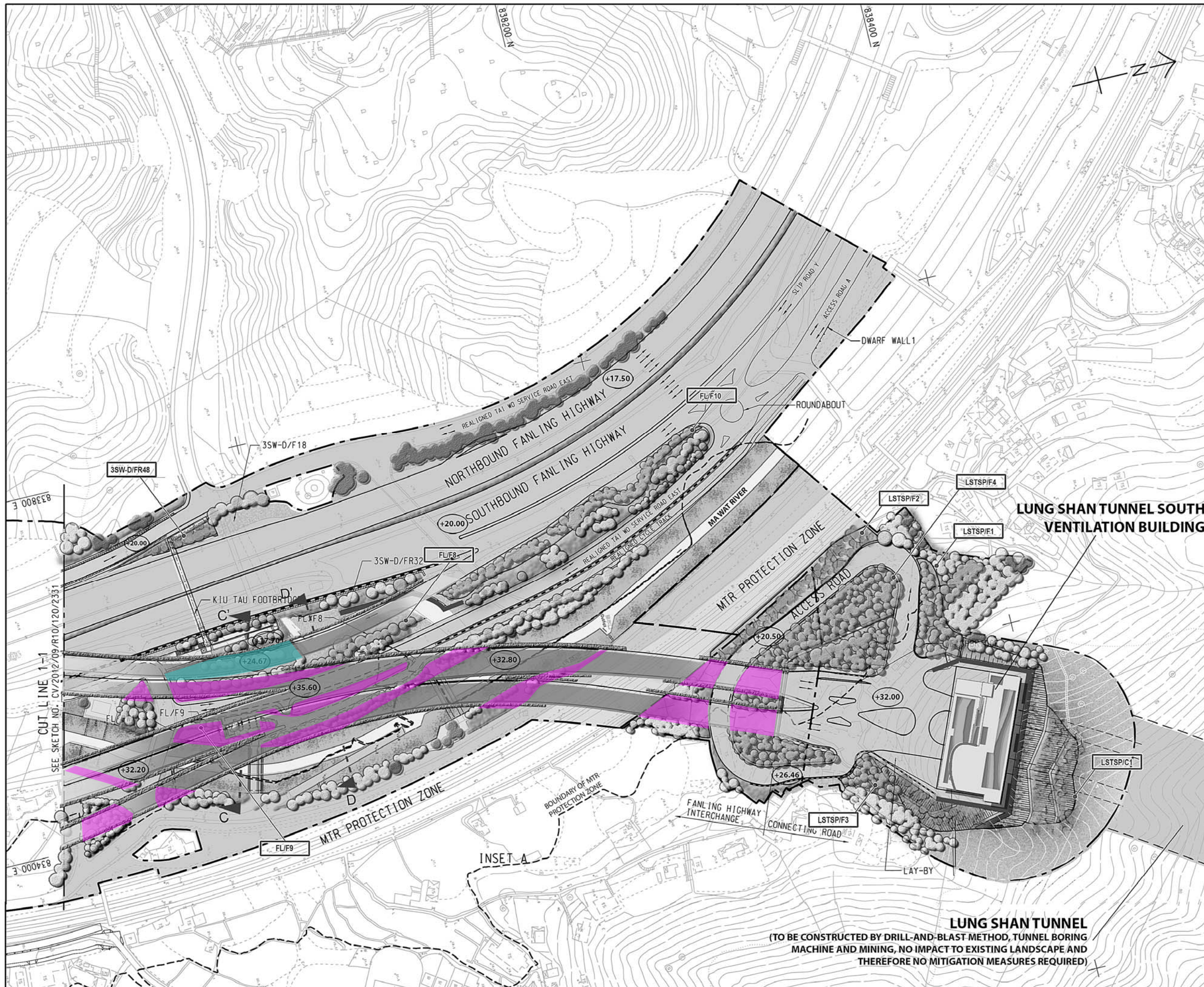
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CEDD CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 3

TITLE:
LANDSCAPE MASTER PLAN
(SHEET 1 OF 13)

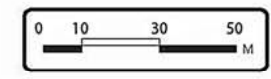
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REV	-		

DOCUMENT REFERENCE NO.



Hydroseeding under Viaduct Structure
(Detail refer to DWG no. CV/2012/09/
R10/120/1653-1661 in Appendix D)

Shade Tolerant Shrubs Planting under
Viaduct Structure
(Detail refer to DWG no. CV/2012/09/
R10/120/1653-1661 in Appendix D)



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CEDD CONTRACT NO. CV/2012/09/
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CONTRACT 3

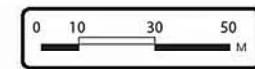
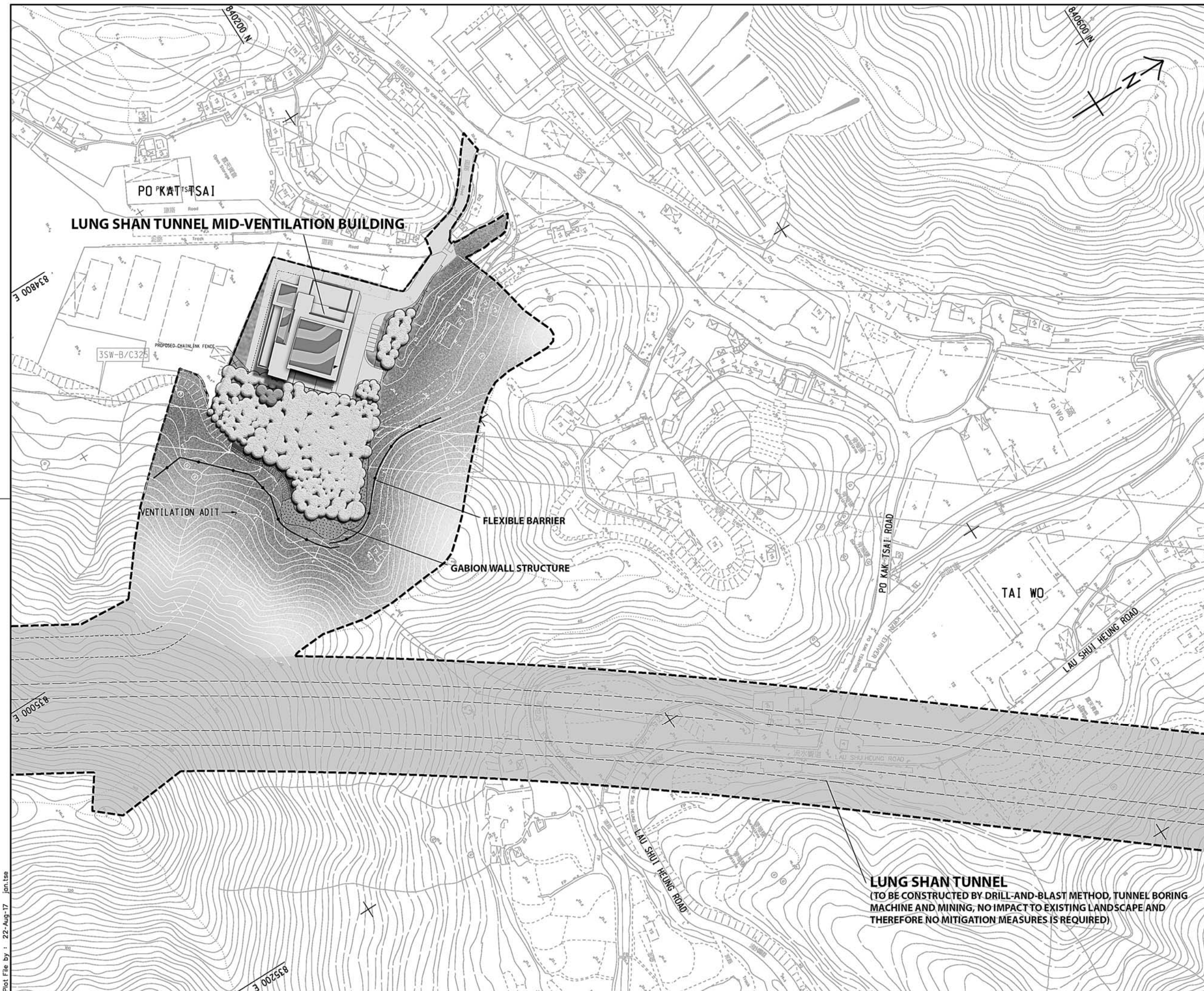
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LANDSCAPE MASTER PLAN
(SHEET 2 OF 13)

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JOB NO.	60212563/C3		SCALE 1:2000 (A3)
SKETCH NO.	AP/LP4/002		REV -

DOCUMENT REFERENCE NO.

LUNG SHAN TUNNEL
(TO BE CONSTRUCTED BY DRILL-AND-BLAST METHOD, TUNNEL BORING
MACHINE AND MINING, NO IMPACT TO EXISTING LANDSCAPE AND
THEREFORE NO MITIGATION MEASURES REQUIRED)



CEDD 土木工程拓展署
Civil Engineering and
Development Department

L'ANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 2

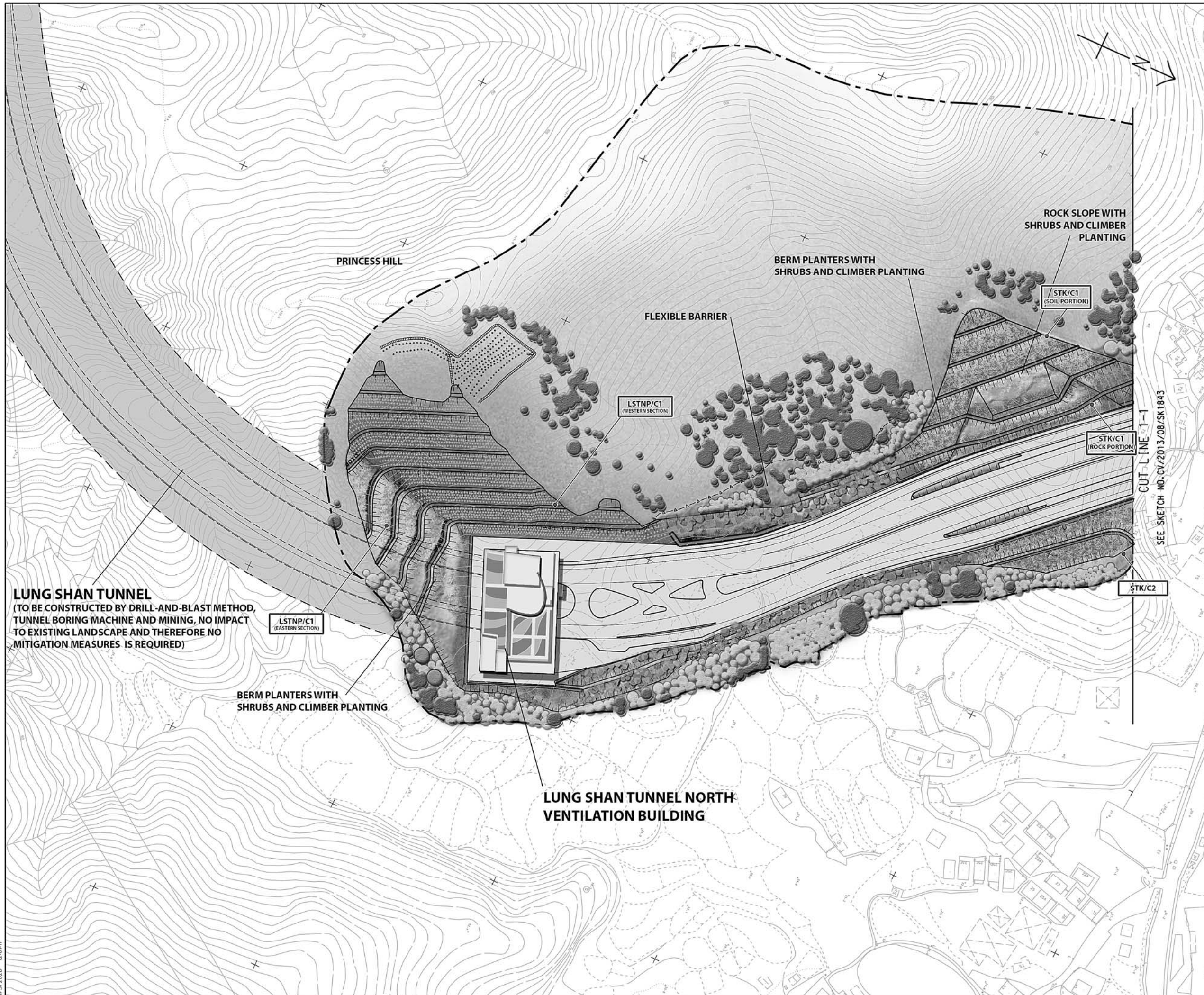
LANDSCAPE MASTER PLAN
(SHEET 3 OF 13)

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DESIGNED BY 設計	KKHL
CONTRACT NO. 合約編號	CV/2012/08
DRAWN BY 繪圖	YJP
STATUS 狀態	
SCALE 比例	A1 1 : 10000
DIMENSIONS ARE IN 尺寸單位	METRES
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Plot File by : 22-Aug-17 jan.tse

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B	28/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	02/11/18	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
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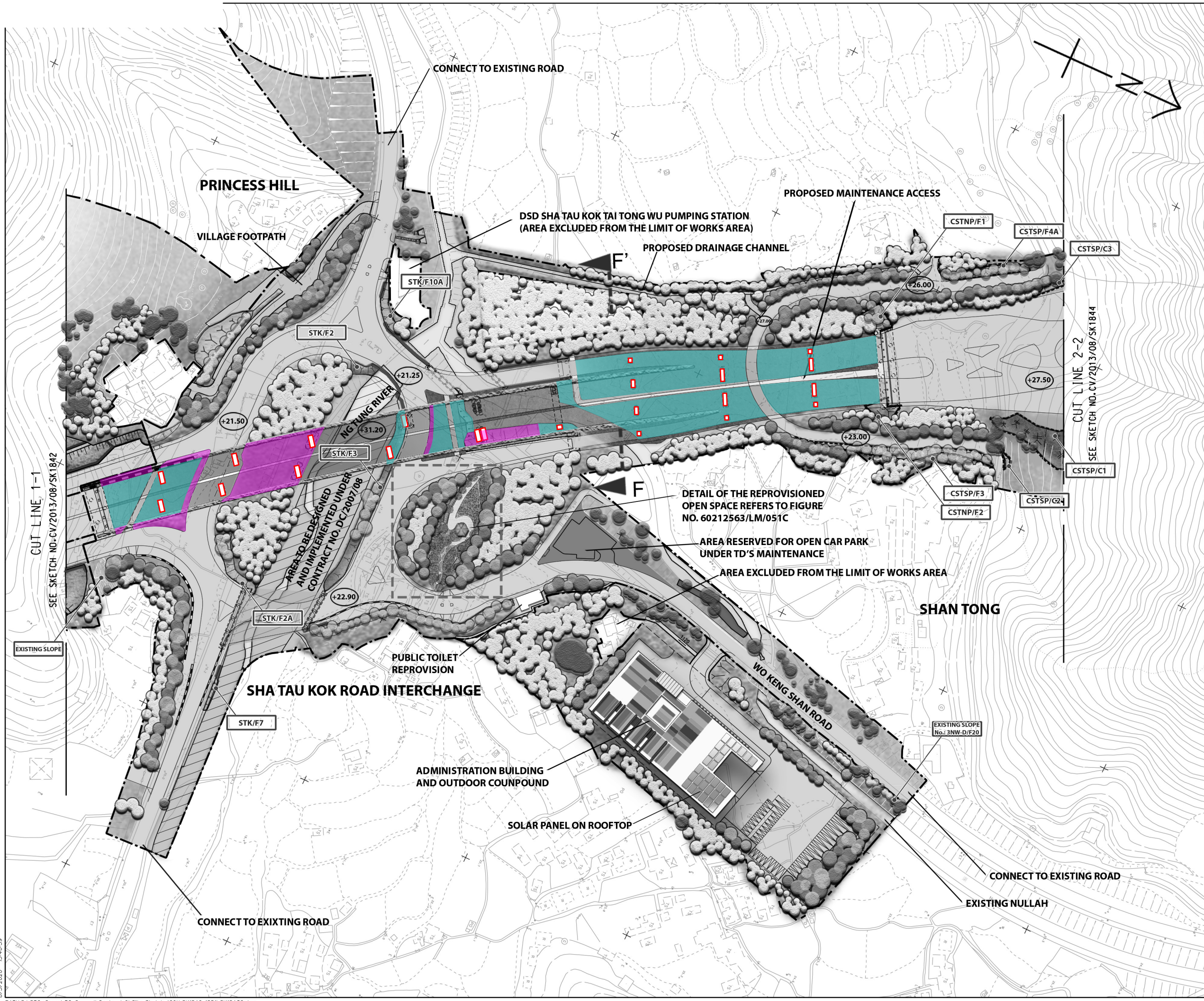
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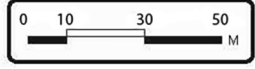
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(SHEET 4 OF 13)

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-  Hydroseeding under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/
SK1939 and SK1941 in Appendix B)
-  Shade Tolerant Shrubs Planting under
Viaduct Structure
(Detail refer to DWG no. CV/2013/08/
SK1939 and SK1941 in Appendix B)
-  Climbers
(Detail refer to DWG no. CV/2013/08/
SK1939 and SK1941 in Appendix B)

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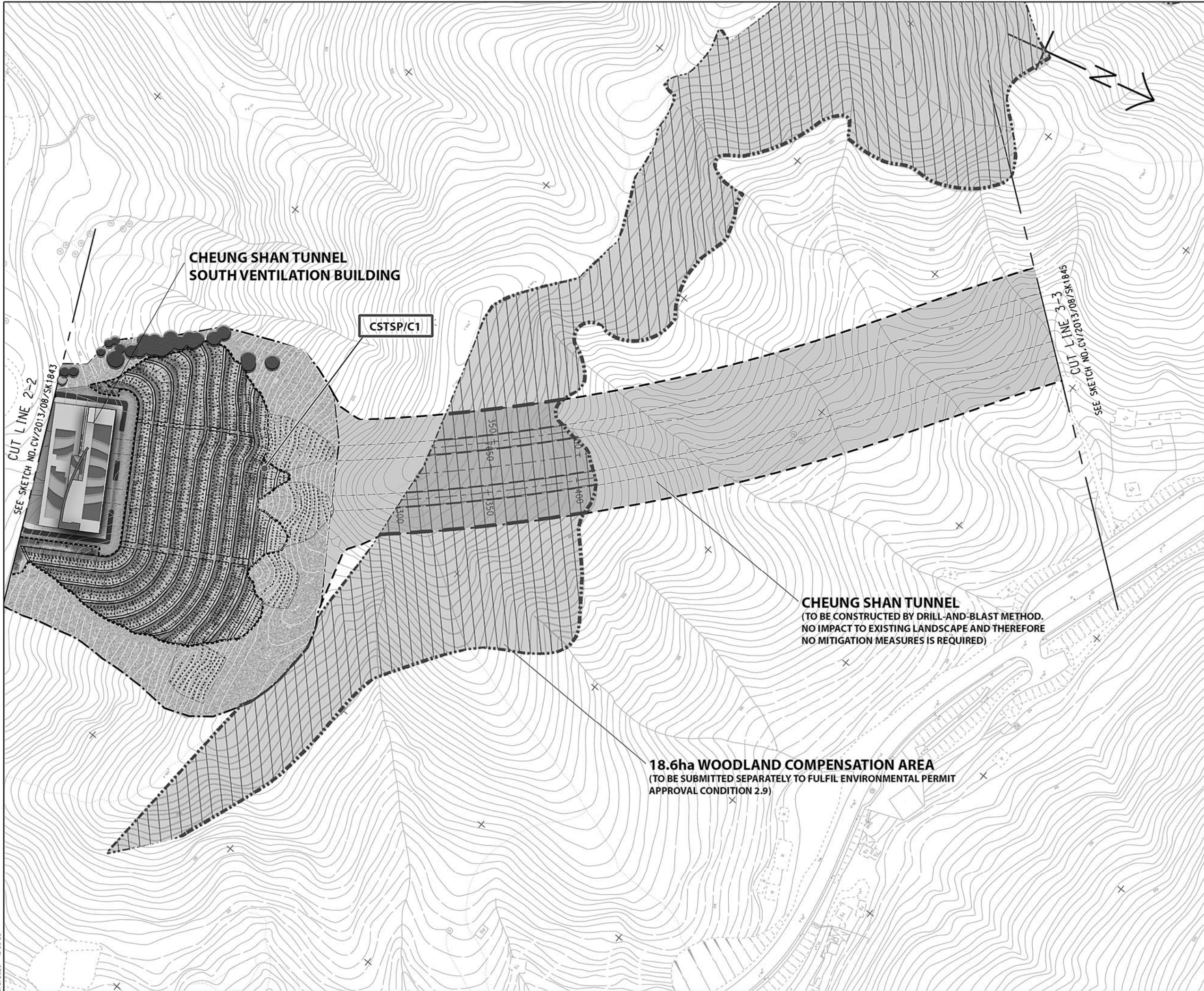


CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -

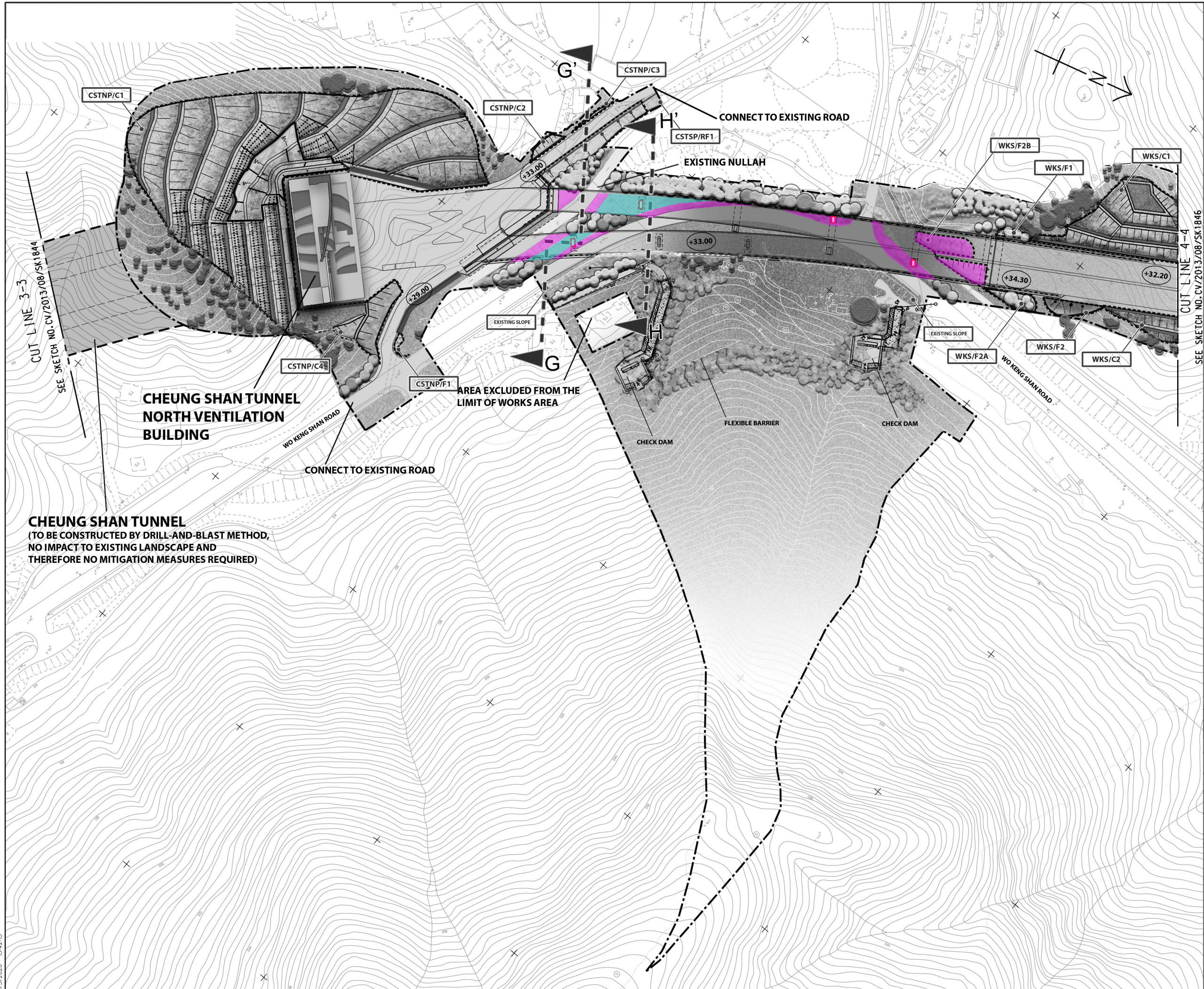
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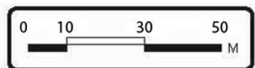


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Rev.	Date	Description	Drawn	Prepared	Checked
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SKETCH NO.		AP/LP4/006			SCALE 1:2000 (A3)



-  Hydroseeding under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/SK1939 and SK1941 in Appendix B)
-  Shade Tolerant Shrubs Planting under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/SK1939 and SK1941 in Appendix B)
-  Climbers
(Detail refer to DWG no. CV/2013/08/SK1943 in Appendix B)

CHEUNG SHAN TUNNEL
(TO BE CONSTRUCTED BY DRILL-AND-BLAST METHOD,
NO IMPACT TO EXISTING LANDSCAPE AND
THEREFORE NO MITIGATION MEASURES REQUIRED)



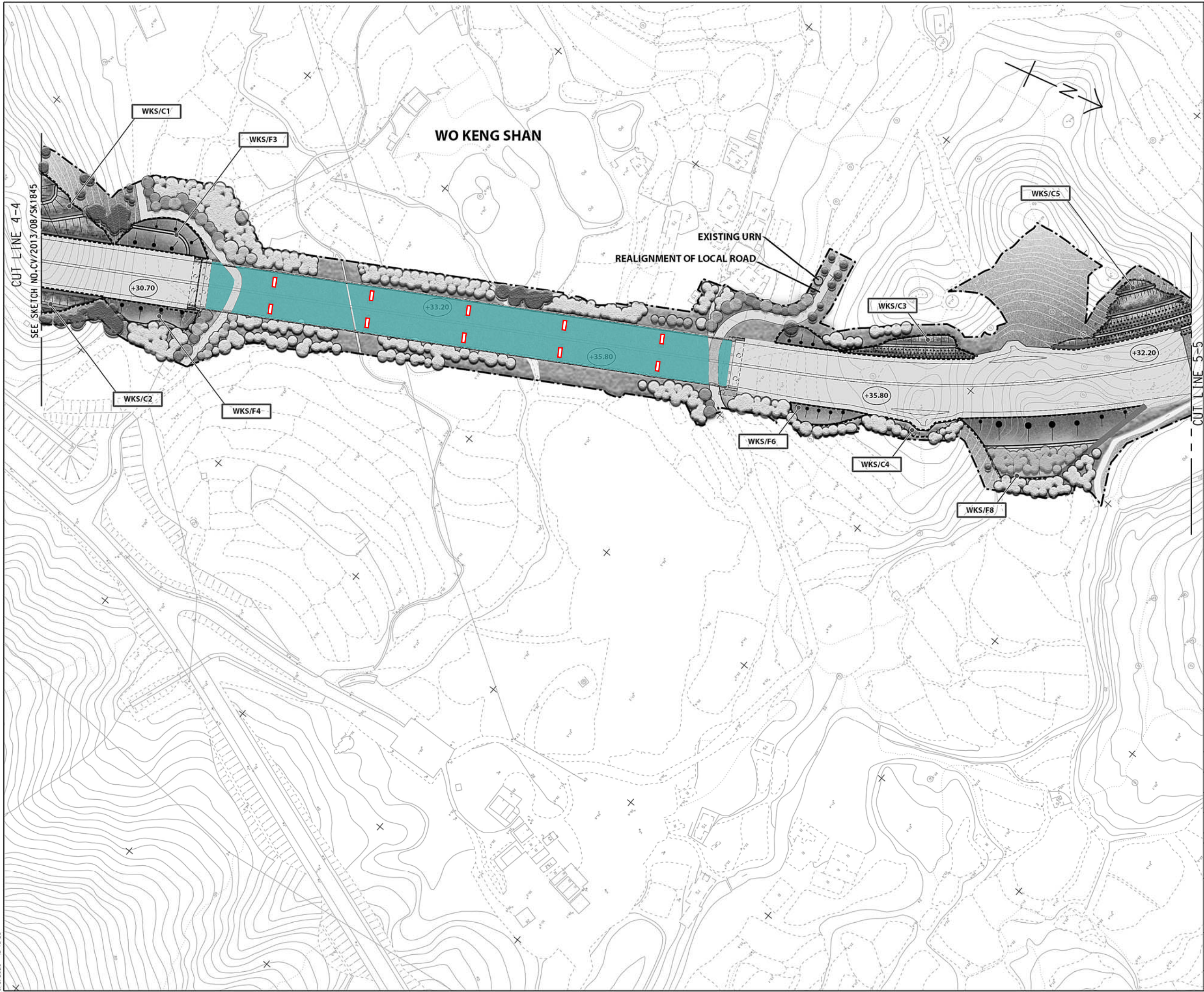
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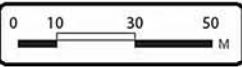
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: **LANDSCAPE MASTER PLAN**
(SHEET 7 OF 13)

SKETCH NO. **AP/LP4/007** SCALE 1:2000 (1/3)



-  Hydreseeding under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/SK1939 and SK1941 in Appendix B)
-  Shade Tolerant Shrubs Planting under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/SK1939 and SK1941 in Appendix B)
-  Climbers
(Detail refer to DWG no. CV/2013/08/SK1943 in Appendix B)



C	01/05/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
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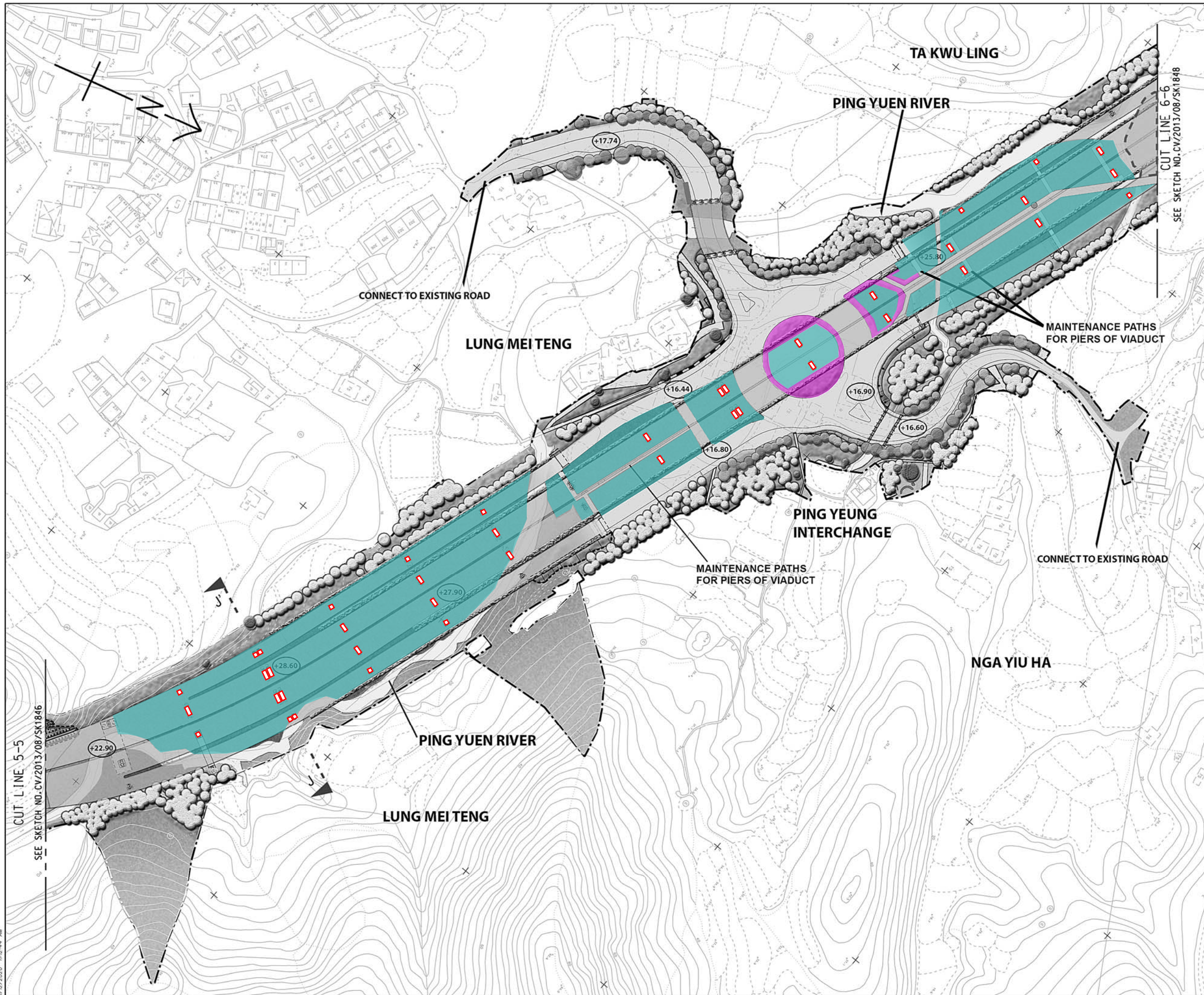
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SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

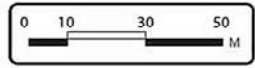
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(SHEET 8 OF 13)

SKETCH NO. AP/LP4/008

SCALE
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- Hydroseeding under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/SK1939 and SK1941 in Appendix B)
- Shade Tolerant Shrubs Planting under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/SK1939 and SK1941 in Appendix B)
- Climbers
(Detail refer to DWG no. CV/2013/08/SK1943 in Appendix B)



C	01/05/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
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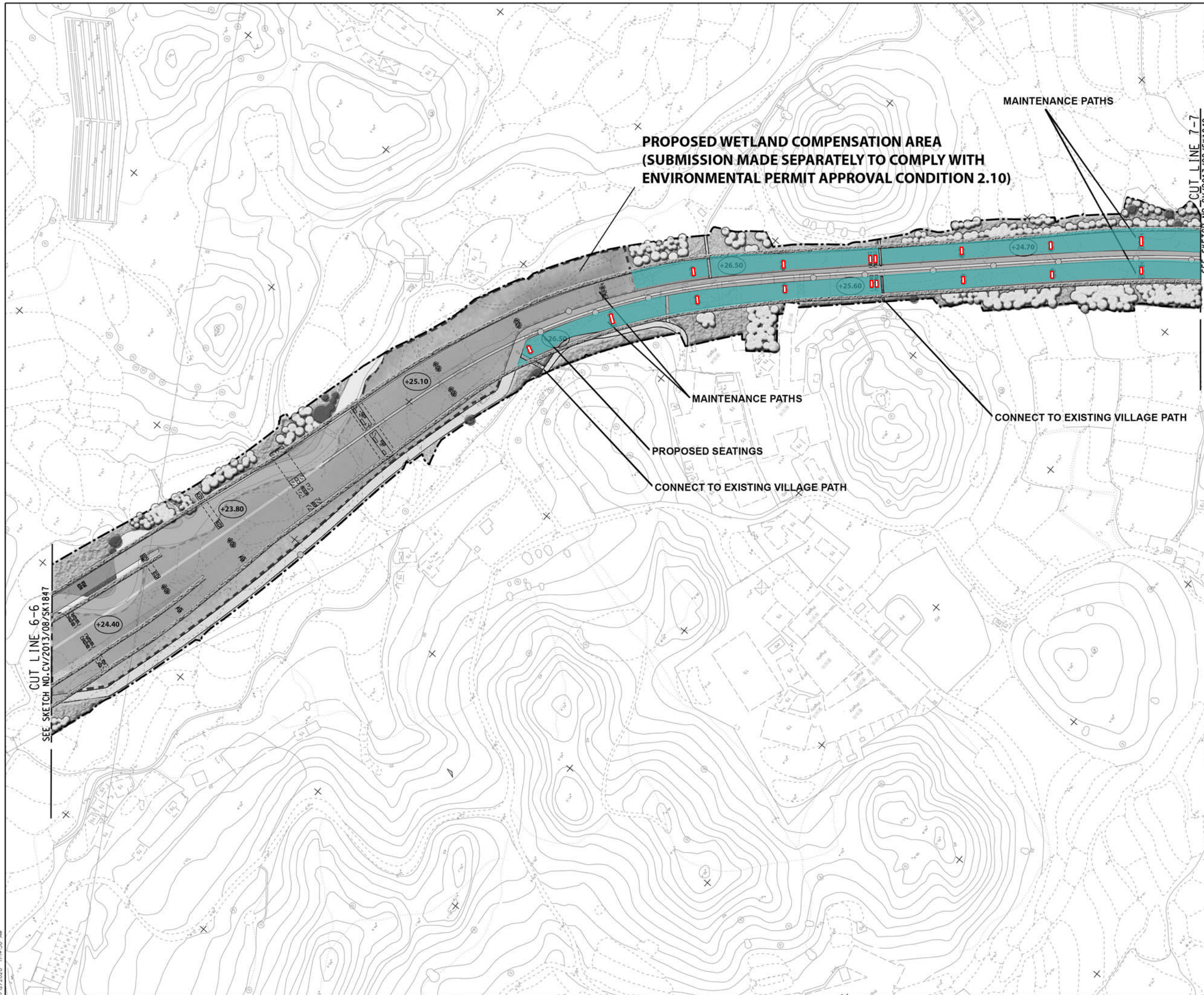
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

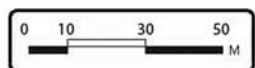
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-  Hydroseeding under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/
SK1939 and SK1941 in Appendix B)
-  Shade Tolerant Shrubs Planting under
Viaduct Structure
(Detail refer to DWG no. CV/2013/08/
SK1939 and SK1941 in Appendix B)
-  Climbers
(Detail refer to DWG no. CV/2013/08/
SK1943 in Appendix B)



C	04/05/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
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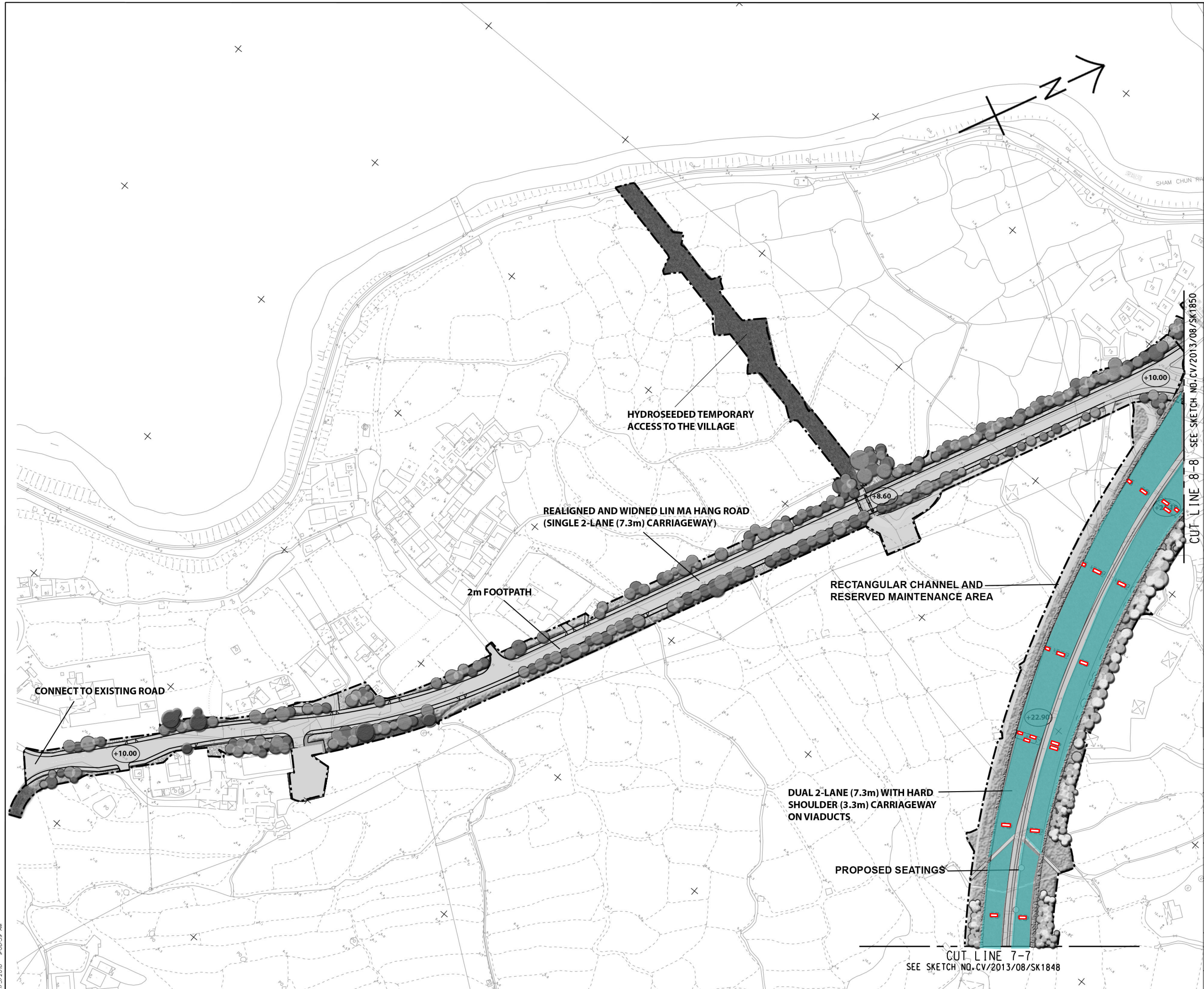
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
LANDSCAPE MASTER PLAN
(SHEET 10 OF 13)

SKETCH NO. AP/LP4/010

SCALE
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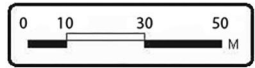
Hydroseeding under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/
SK1939 and SK1941 in Appendix B)



Shade Tolerant Shrubs Planting under
Viaduct Structure
(Detail refer to DWG no. CV/2013/08/
SK1939 and SK1941 in Appendix B)



Climbers
(Detail refer to DWG no. CV/2013/08/
SK1943 in Appendix B)



REFERENCE:					
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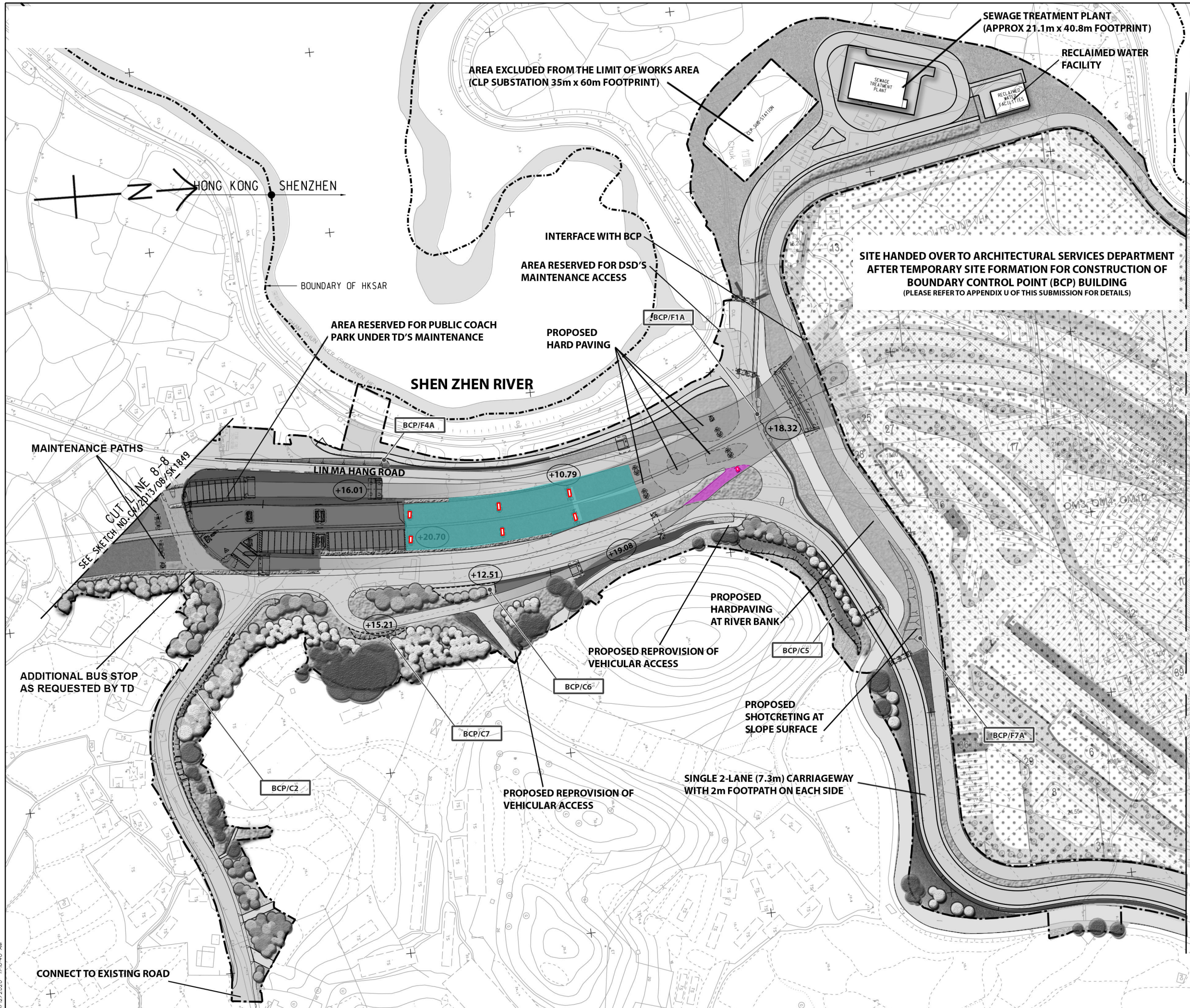


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SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

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(SHEET 11 OF 13)

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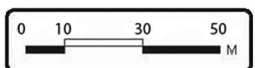
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Hydroseeding under Viaduct Structure
(Detail refer to DWG no. CV/2013/08/
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Shade Tolerant Shrubs Planting under
Viaduct Structure
(Detail refer to DWG no. CV/2013/08/
SK1939 and SK1941 in Appendix B)

Climbers
(Detail refer to DWG no. CV/2013/08/
SK1943 in Appendix B)



C	04/05/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
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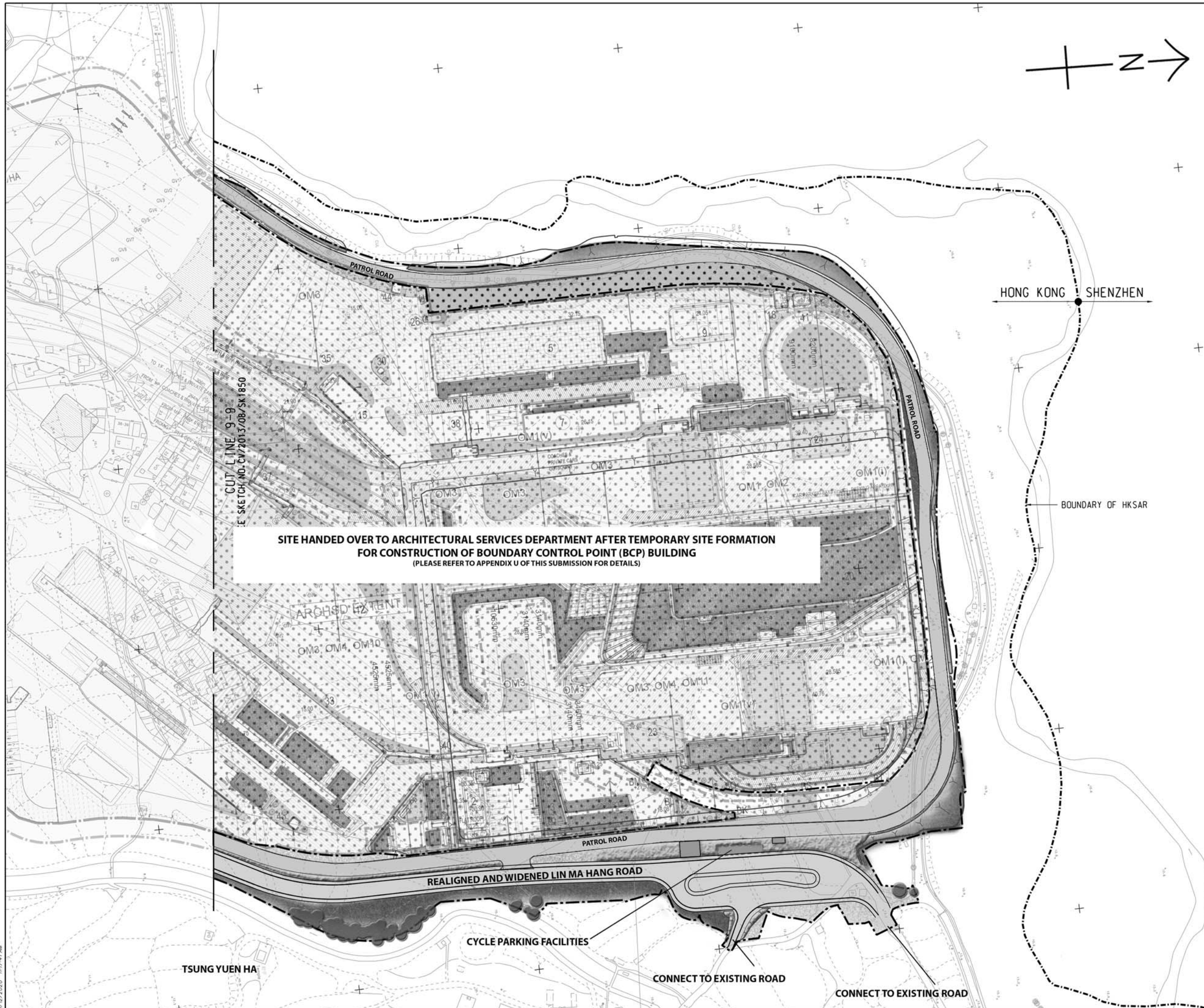
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(SHEET 12 OF 13)

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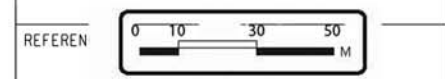
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PATHS\STO Group\TO-General\Contract 6\Site Sketch (C6)\SK1842-1851\SK1850C.dgn



SITE HANDED OVER TO ARCHITECTURAL SERVICES DEPARTMENT AFTER TEMPORARY SITE FORMATION
FOR CONSTRUCTION OF BOUNDARY CONTROL POINT (BCP) BUILDING
(PLEASE REFER TO APPENDIX U OF THIS SUBMISSION FOR DETAILS)

- LEGEND:
- SITE BOUNDARY
 - UNDERGROUND WORKS SITE BOUNDARY
 - 500m STUDY AREA OF INDIVIDUAL SECTION
 - LIMIT OF WORKS AREA FOR NATURAL TERRAIN HAZARD MITIGATION MEASURES
 - Existing Vegetation to be retained (CM1)
 - Existing Tree/ Tree groups to be retained (CM1)
 - Transplanted trees (CM2)
 - Buffer trees planting with amenity shrubs planting (OM3 and OM4)
 - Trees planting on landscaped slopes (OM3 and OM7)
 - Amenity roadside trees planting (OM3 and OM10)
 - Shrubs and/or Groundcover planting (OM10)
 - Shrubs and/or Groundcover planting on slope (OM7)
 - Shortcrete on slope (OM2 and OM7)
 - Woodland mix planting on slope (OM3 and OM7)
 - Berm planters on slope (OM2 and OM7)
 - Hydroseeding on slope (OM7)
 - Amenity Improvement planting under Viaduct (Hydroseeding and climbers) (OM6)
 - Planters along Viaduct Structure (OM5)
 - Roof Planters on Associated buildings (OM8)
 - Existing River bank/ Channel bank to be retained (OM11)
 - Proposed Noise Barriers
 - Proposed Retaining Walls



C	04/05/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	28/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	02/11/18	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
-	20/07/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
LANDSCAPE MASTER PLAN
(SHEET 13 OF 13)

SKETCH NO. AP/LP4/013

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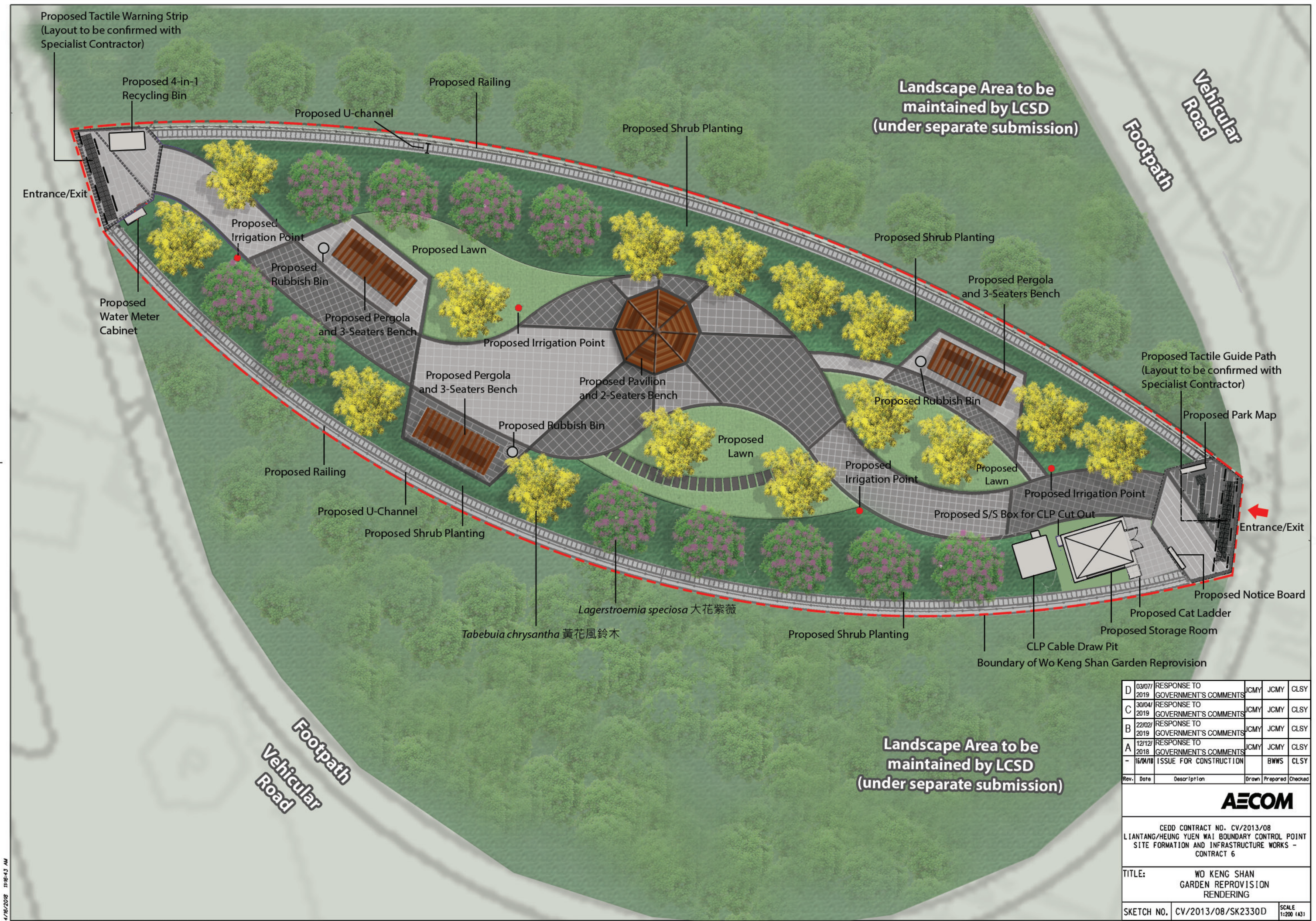
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Appendix Q

Revised Landscape Treatment of LCSD Wo Keng Shan Road Garden

Contract 6**DRAWING LIST - WO KENG SHAN ROAD GARDEN REPROVISION**

NO.	TITLE	DRAWING NO.	REV.	Remarks
1	WO KENG SHAN GARDEN REPROVISION - RENDERING	CV/2013/08/SK2330	D	
2	WO KENG SHAN GARDEN REPROVISION - GENERAL ARRANGEMENT PLAN	CV/2013/08/SK2418	C	Supersede "60212563/C6/L00/1780"
3	WO KENG SHAN GARDEN REPROVISION - LEVEL AND GRADING PLAN	CV/2013/08/SK2637	C	
4	WO KENG SHAN GARDEN REPROVISION - PAVEMENT AND SETTING OUT PLAN (SHEET 1 OF 4)	CV/2013/08/SK2353	C	Supersede "60212563/C6/L00/1788"
5	WO KENG SHAN GARDEN REPROVISION - PAVEMENT AND SETTING OUT PLAN (SHEET 2 OF 4)	CV/2013/08/SK2354	B	
6	WO KENG SHAN GARDEN REPROVISION - PAVEMENT AND SETTING OUT PLAN (SHEET 3 OF 4)	CV/2013/08/SK2355	B	
7	WO KENG SHAN GARDEN REPROVISION - PAVEMENT AND SETTING OUT PLAN (SHEET 4 OF 4)	CV/2013/08/SK2356	B	
8	WO KENG SHAN GARDEN REPROVISION - DETAILS OF PAVEMENT AND STEPPING STONE	CV/2013/08/SK2379	A	
9	WO KENG SHAN GARDEN REPROVISION - DETAILS OF STORE ROOM (SHEET 1 OF 4)	CV/2013/08/SK2511	F	
10	WO KENG SHAN GARDEN REPROVISION - DETAILS OF STORE ROOM (SHEET 2 OF 4)	CV/2013/08/SK2543	E	
11	WO KENG SHAN GARDEN REPROVISION - DETAILS OF STORE ROOM (SHEET 3 OF 4)	CV/2013/08/SK2544	D	
12	WO KENG SHAN GARDEN REPROVISION - DETAILS OF STORE ROOM (SHEET 4 OF 4)	CV/2013/08/SK2545	F	
13	WO KENG SHAN GARDEN REPROVISION - STORE ROOM - CAT LADDER	CV/2013/08/SK2635	A	
14	WO KENG SHAN GARDEN STORE ROOM - ELECTRICAL SERVICES - ELECTRICAL & EARTHING SCHEMATIC DIAGRAM	CV/2013/08/SK2562	E	Supersede "60212563/C6/L00/1517"
15	WO KENG SHAN GARDEN STORE ROOM E & M LAYOUT	CV/2013/08/SK2585	D	
16	REPROVISION OF WO KENG SHAN GARDEN STORE ROOM - TYPICAL DETAILS OF FLAT CHANNEL & RAINWATER OUTLET AT ROOF	CV/2013/08/SK2551	B	
17	WO KENG SHAN GARDEN REPROVISION - MATERIAL SCHEDULE	CV/2013/08/SK2387	A	
18	WO KENG SHAN GARDEN REPROVISION - DETAILS OF IRRIGATION POINT	CV/2013/08/SK2380	B	Supersede "60212563/C6/L00/1782"
19	WO KENG SHAN GARDEN REPROVISION - WATER METER CABINET	CV/2013/08/SK2631	A	
20	WO KENG SHAN GARDEN REPROVISION - TILE DETAIL MODEL OF WATER METER CABINET	CV/2013/08/SK2632	0	
21	WO KENG SHAN GARDEN REPROVISION - DETAILS OF REMOVABLE RAILING	CV/2013/08/SK2381	C	
22	WO KENG SHAN GARDEN REPROVISION - DETAILS OF RAILING	CV/2013/08/SK2382	A	Supersede "60212563/C6/L00/1782"
23	WO KENG SHAN GARDEN REPROVISION - DETAILS OF RAILING AND U-CHANNEL	CV/2013/08/SK2383	0	Supersede "60212563/C6/L00/1782"
24	DETAILED DRAINAGE SYSTEM AT WO KENG SHAN GARDEN	CV/2013/08/SK2633	F	
25	WO KENG SHAN GARDEN REPROVISION - PARK FURNITURE	CV/2013/08/SK2384	E	Supersede "60212563/C6/L00/1784"
26	WO KENG SHAN GARDEN REPROVISION - DETAILS OF LIGHTING	CV/2013/08/SK2385	A	Supersede "60212563/C6/L00/1783"
27	WO KENG SHAN GARDEN - ELECTRICAL SERVICES - LIGHTING LAYOUT	CV/2013/08/SK1519	E	
28	WO KENG SHAN GARDEN REPROVISION - DETAILS OF NOTICE BOARD	CV/2013/08/SK2386	C	Supersede "60212563/C6/L00/1783"
29	WO KENG SHAN GARDEN REPROVISION - DETAILS OF SITE MAP	CV/2013/08/SK2488	C	
30	WO KENG SHAN GARDEN REPROVISION - DETAILS OF 4-IN-1 RECYCLING AND RUBBISH BIN	CV/2013/08/SK2502	A	
31	WO KENG SHAN GARDEN REPROVISION - TYPICAL MOVEMENT JOINT DETAILS	CV/2013/08/SK2393	0	
32	WO KENG SHAN GARDEN REPROVISION - TREE PLANTING PLAN AND SCHEDULE	CV/2013/08/SK1671	E	Supersede "60212563/C6/L00/1781"
33	WO KENG SHAN GARDEN REPROVISION - SHRUB PLANTING PLAN AND SCHEDULE	CV/2013/08/SK1672	E	Supersede "60212563/C6/L00/1781"
34	WO KENG SHAN GARDEN REPROVISION - TYPICAL PLANTING DETAIL FOR SHRUBS	CV/2013/08/SK2395	A	
35	WO KENG SHAN GARDEN REPROVISION - TYPICAL TREE PLANTING DETAIL (AT GRADE)	CV/2013/08/SK2396	B	
36	WO KENG SHAN GARDEN REPROVISION - TYPICAL PLANTING DETAIL FOR LAWN	CV/2013/08/SK2414	A	
37	WO KENG SHAN GARDEN REPROVISION - TYPICAL DETAIL OF TACTILE TILES	CV/2013/08/SK2872	0	
38	WO KENG SHAN GARDEN REPROVISION - TACTILE GUIDE PATH PLAN (SHEET 1 OF 2)	CV/2013/08/SK2873	B	
39	WO KENG SHAN GARDEN REPROVISION - TACTILE GUIDE PATH PLAN (SHEET 2 OF 2)	CV/2013/08/SK2874	D	
40	WO KENG SHAN GARDEN STORE ROOM - REINFORCEMENT DETAIL	CV/2013/08/SK2671	C	
41	DRAINAGE LAYOUT AT SHA TAU KOK INTERCHANGE	CV/2013/08/SK0240	M	
42	DRAINAGE - MANHOLE SCHEDULE	CV/2013/08/SK0256	I	
43	WO KENG SHAN GARDEN REPROVISION - R.C. DETAILS OF PARK FURNITURE	CV/2013/08/SK3088	A	
44	WO KENG SHAN GARDEN REPROVISION - TYPICAL SETTING OUT OF GARDEN FURNITURE	CV/2013/08/SK3225	-	



D	03/07/2019	RESPONSE TO GOVERNMENT'S COMMENTS	JCMY	JCMY	CLSY
C	30/04/2019	RESPONSE TO GOVERNMENT'S COMMENTS	JCMY	JCMY	CLSY
B	22/02/2019	RESPONSE TO GOVERNMENT'S COMMENTS	JCMY	JCMY	CLSY
A	12/12/2018	RESPONSE TO GOVERNMENT'S COMMENTS	JCMY	JCMY	CLSY
-	16/04/18	ISSUE FOR CONSTRUCTION	BWWS	CLSY	

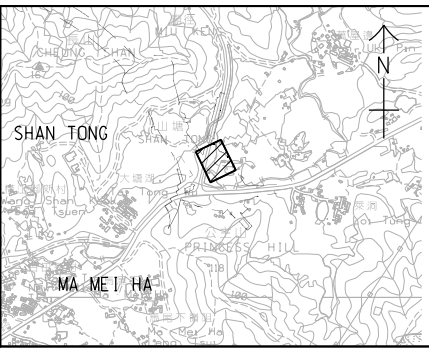
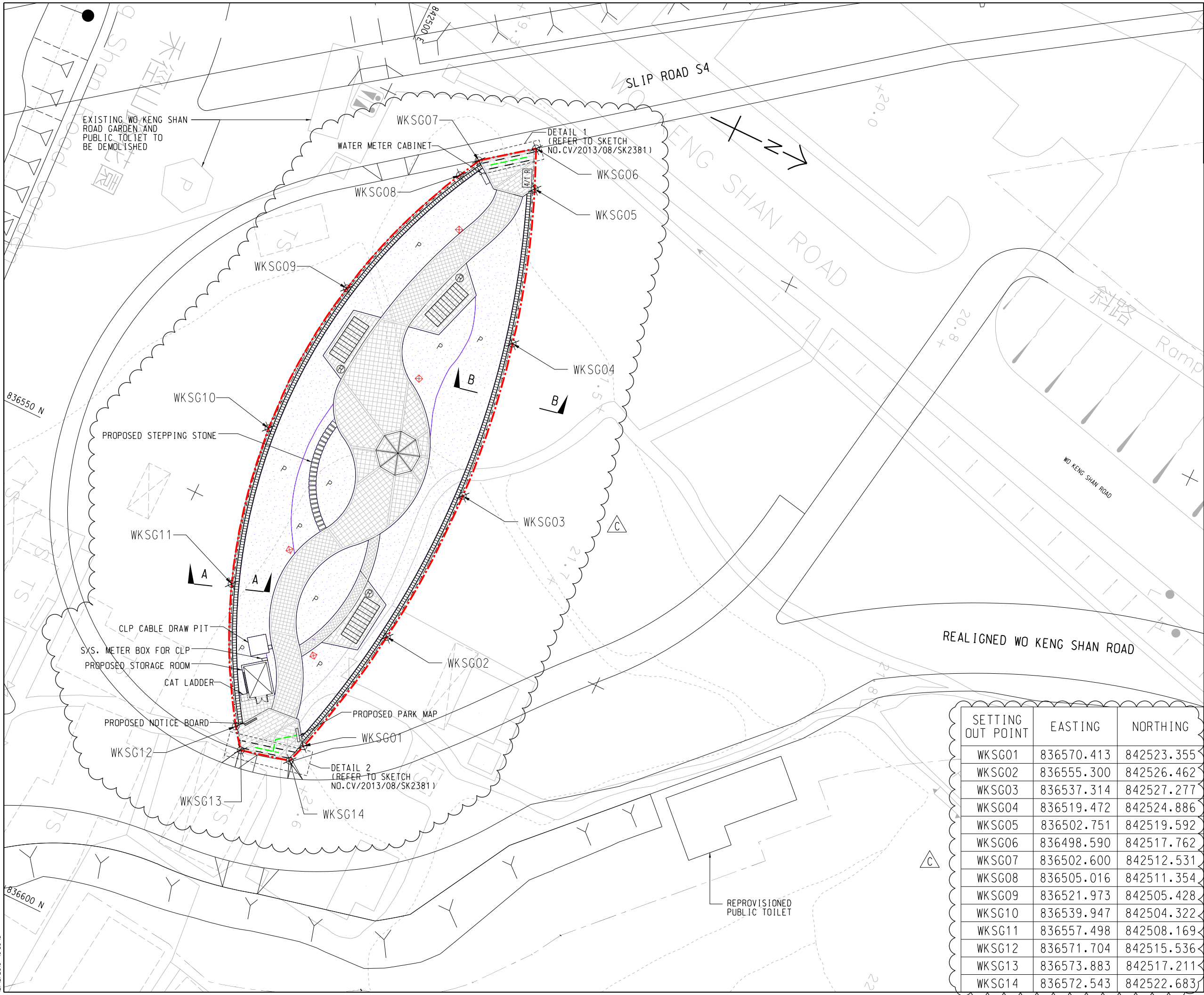
Rev.	Date	Description	Drawn	Prepared	Checked
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AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION
RENDERING

SKETCH NO. CV/2013/08/SK2330D SCALE 1:200 (A3)



LOCATION PLAN
SCALE 1 : 15000

NOTES:

1. ALL TREES PITS ARE AT LEAST 1m x 1m.
2. READ IN CONJUNCTION WITH THE GENERAL NOTES IN SKETCH NO.CV/2013/08/SK1915.

- LEGEND:**
- RE-PROVIDED WO KENG SHAN GARDEN SITE BOUNDARY
 - PROPOSED TACTILE GUIDE PATH (LAYOUT TO BE CONFIRMED WITH SPECIALIST CONTRACTOR) (REFER TO SITE SKETCH NO. CV/2013/08/SK2872, 2873, 2874.)
 - PROPOSED PAVILION (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2384.)
 - PROPOSED STEPPING STONE (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2379.)
 - PROPOSED PERGOLA (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2384.)
 - PROPOSED PLANTING AREA
 - PROPOSED IRRIGATION POINT WITH HOSE FIXTURE
 - PROPOSED RUBBISH BIN
 - PROPOSED 4 IN 1 RUBBISH BIN
 - PROPOSED U-CHANNEL
 - PROPOSED RAILING

REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1780

C	12/12/19	ISSUE FOR CONSTRUCTION	LKK	LYCM	CLSY
B	21/06/19	RESPONSE TO GOVERNMENTS COMMENTS	JW	JCMY	CLSY
A	18/12/18	RESPONSE TO GOVERNMENTS COMMENTS	KLKK	JCMY	CLSY
-	20/02/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY

Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

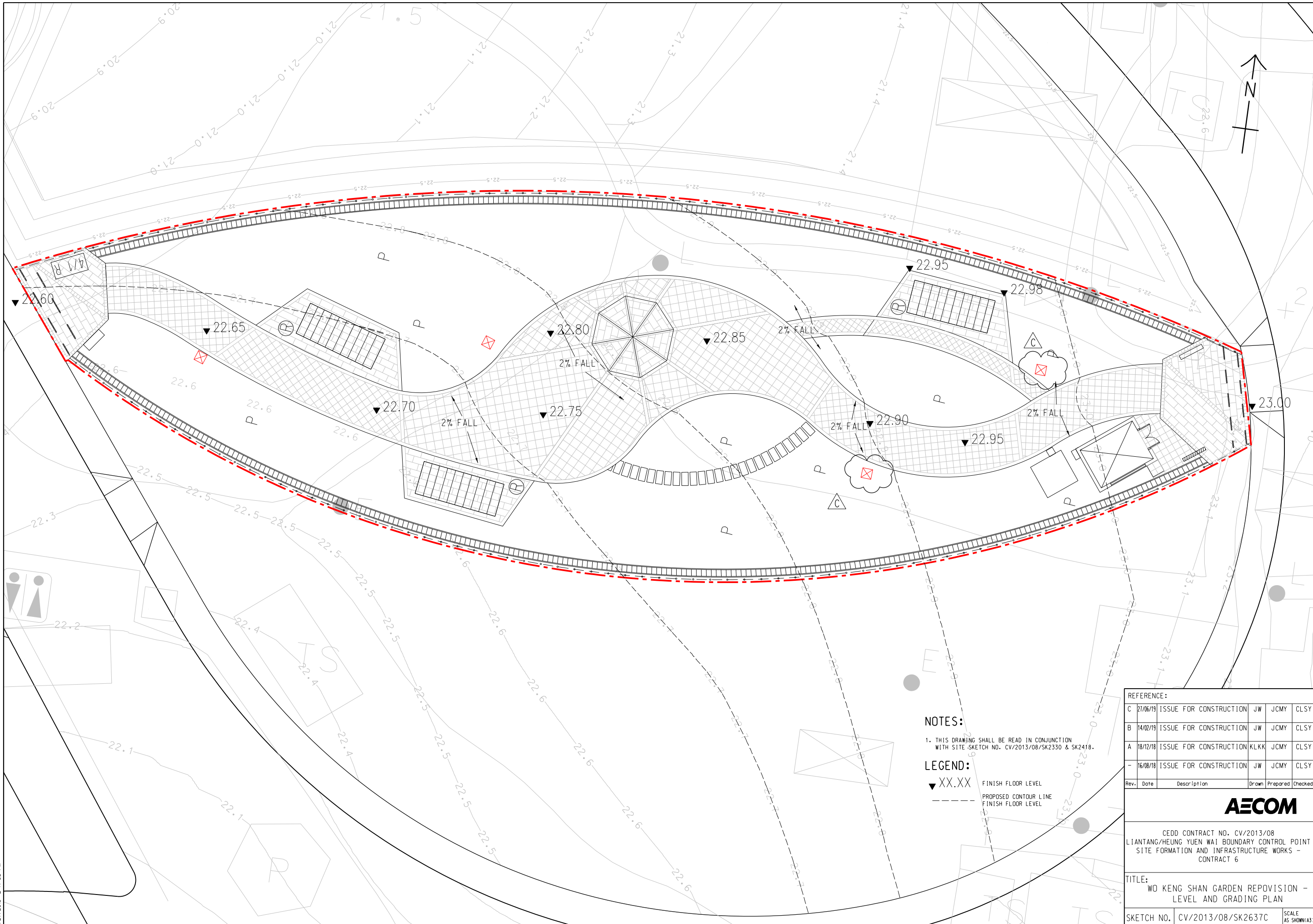
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE: WO KENG SHAN GARDEN REPROVISION - GENERAL ARRANGEMENT PLAN

SKETCH NO.	CV/2013/08/SK2418C	SCALE	1 : 400 (A3)
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SETTING OUT POINT	EASTING	NORTHING
WKSG01	836570.413	842523.355
WKSG02	836555.300	842526.462
WKSG03	836537.314	842527.277
WKSG04	836519.472	842524.886
WKSG05	836502.751	842519.592
WKSG06	836498.590	842517.762
WKSG07	836502.600	842512.531
WKSG08	836505.016	842511.354
WKSG09	836521.973	842505.428
WKSG10	836539.947	842504.322
WKSG11	836557.498	842508.169
WKSG12	836571.704	842515.536
WKSG13	836573.883	842517.211
WKSG14	836572.543	842522.683

12/12/2019 10:59:15



NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SITE SKETCH NO. CV/2013/08/SK2330 & SK2418.

LEGEND:

- ▼ XX.XX FINISH FLOOR LEVEL
- - - - - PROPOSED CONTOUR LINE
- FINISH FLOOR LEVEL

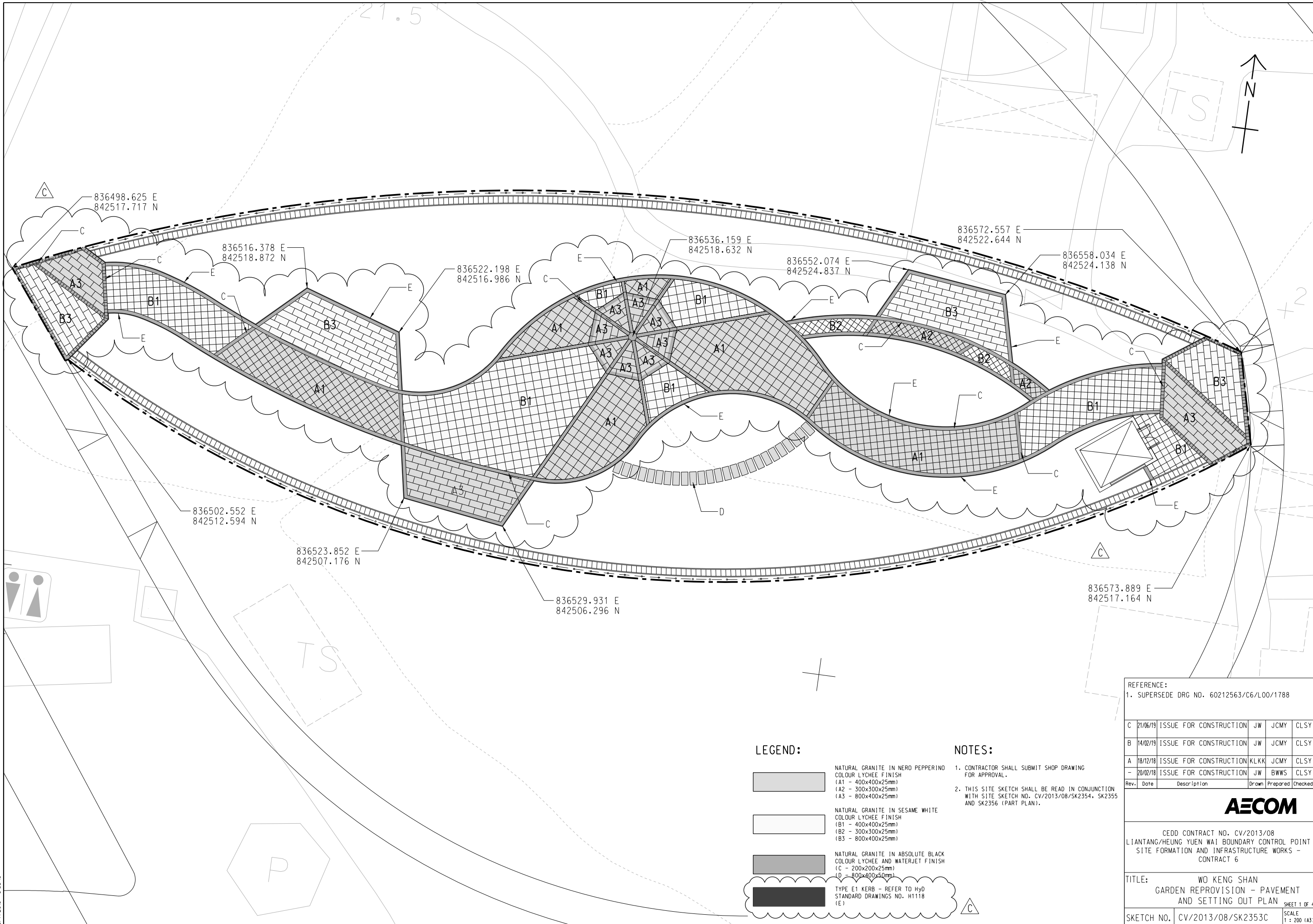
REFERENCE:					
C	27/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
B	14/02/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
A	18/12/18	ISSUE FOR CONSTRUCTION	KLKK	JCMY	CLSY
-	16/08/18	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
WO KENG SHAN GARDEN REPOVISION -
LEVEL AND GRADING PLAN

SKETCH NO. CV/2013/08/SK2637C SCALE AS SHOWN (A3)



LEGEND:



NATURAL GRANITE IN NERO PEPPERINO
COLOUR LYCHEE FINISH
(A1 - 400x400x25mm)
(A2 - 300x300x25mm)
(A3 - 800x400x25mm)



NATURAL GRANITE IN SESAME WHITE
COLOUR LYCHEE FINISH
(B1 - 400x400x25mm)
(B2 - 300x300x25mm)
(B3 - 800x400x25mm)



NATURAL GRANITE IN ABSOLUTE BLACK
COLOUR LYCHEE AND WATERJET FINISH
(C - 200x200x25mm)
(D - 800x400x50mm)

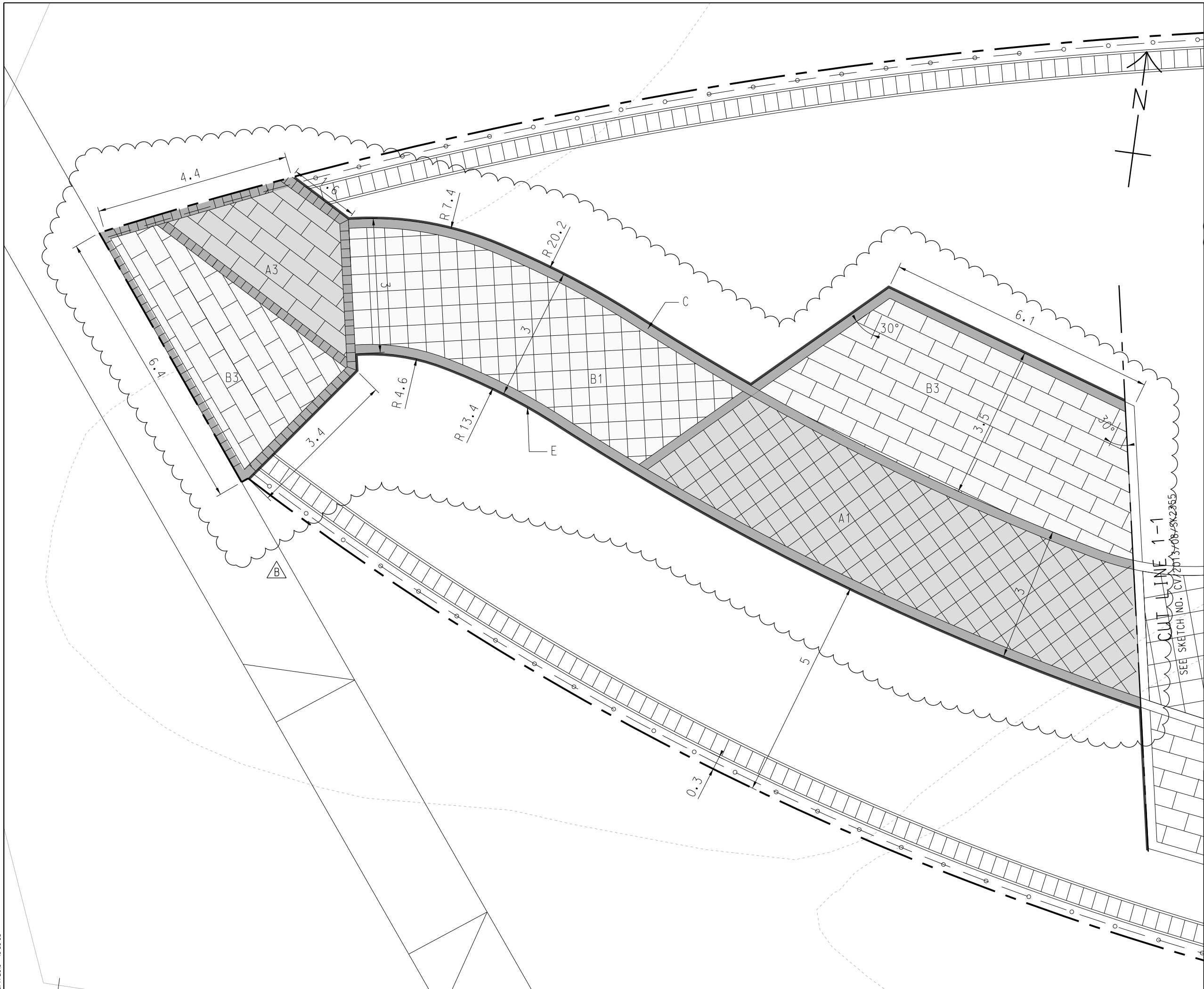


TYPE E1 KERB - REFER TO HYD
STANDARD DRAWINGS NO. H1118
(E)

NOTES:

- CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR APPROVAL.
- THIS SITE SKETCH SHALL BE READ IN CONJUNCTION WITH SITE SKETCH NO. CV/2013/08/SK2354, SK2355 AND SK2356 (PART PLAN).

REFERENCE:					
1. SUPERSEDE DRG NO. 60212563/C6/L00/1788					
C	21/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
B	14/02/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
A	18/12/18	ISSUE FOR CONSTRUCTION	KLKK	JCMY	CLSY
-	20/02/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - PAVEMENT AND SETTING OUT PLAN					
SKETCH NO. CV/2013/08/SK2353C					
SCALE					SHEET 1 OF 4
1 : 200 (A3)					



NOTE:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.

LEGEND:

NATURAL GRANITE IN NERO PEPPERINO COLOUR LYCHEE FINISH
(A1 - 400x400x25mm)
(A2 - 300x300x25mm)
(A3 - 800x400x25mm)

NATURAL GRANITE IN SESAME WHITE COLOUR LYCHEE FINISH
(B1 - 400x400x25mm)
(B2 - 300x300x25mm)
(B3 - 800x400x25mm)

NATURAL GRANITE IN ABSOLUTE BLACK COLOUR LYCHEE AND WATERJET FINISH
(C - 200x200x25mm)
(D - 800x400x50mm)

TYPE E1 KERB - REFER TO HYD STANDARD DRAWINGS NO. H1118 (E)

REFERENCE:

B	21/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
A	14/02/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	25/04/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY

Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

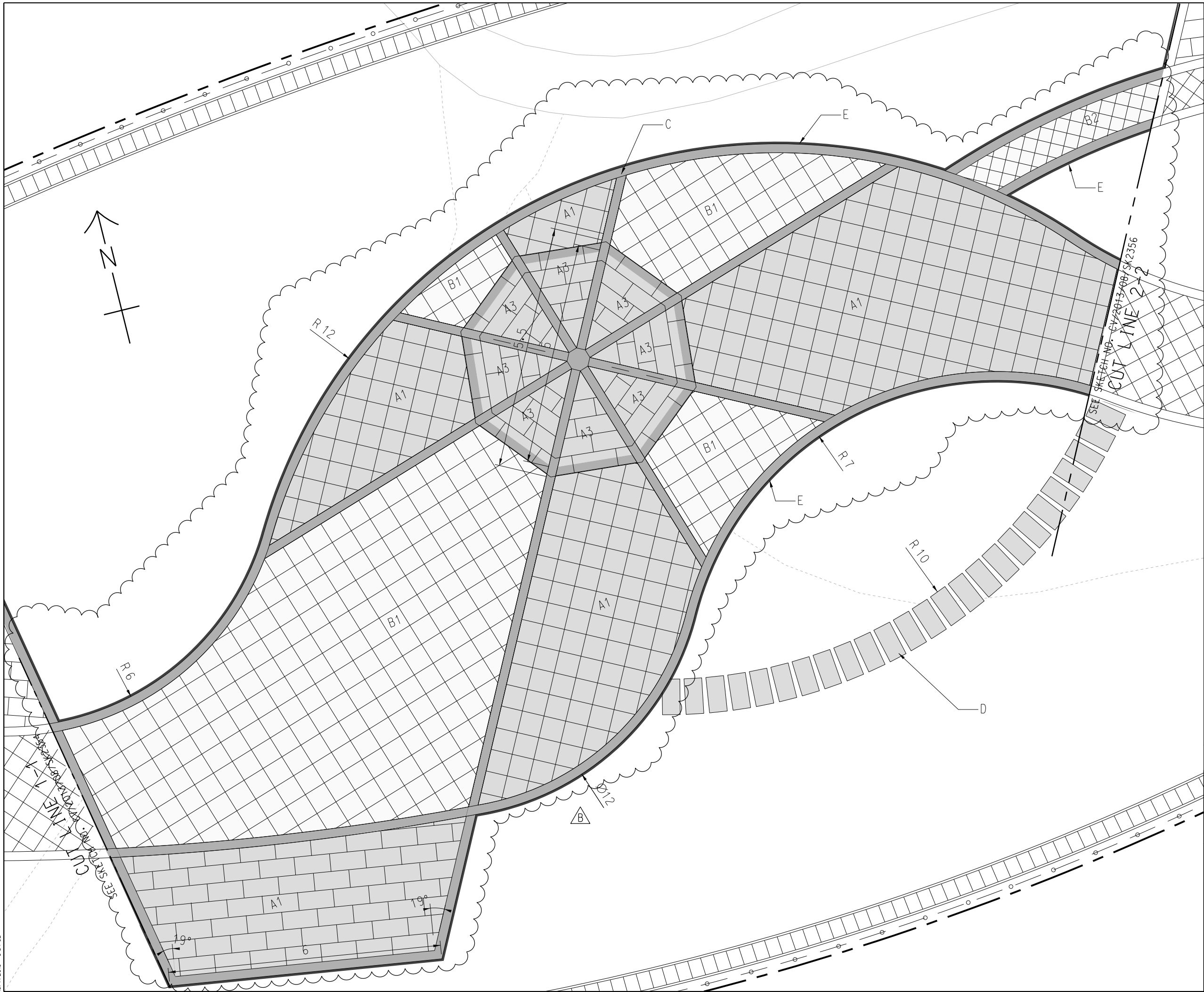
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION - PAVEMENT
AND SETTING OUT PLAN

SKETCH NO. CV/2013/08/SK2354B

SHEET 2 OF 4
SCALE
1 : 80 (A3)

15/7/2019 16:39:08



NOTE:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.

LEGEND:

NATURAL GRANITE IN NERO PEPPERINO COLOUR LYCHEE FINISH
(A1 - 400x400x25mm)
(A2 - 300x300x25mm)
(A3 - 800x400x25mm)

NATURAL GRANITE IN SESAME WHITE COLOUR LYCHEE FINISH
(B1 - 400x400x25mm)
(B2 - 300x300x25mm)
(B3 - 800x400x25mm)

NATURAL GRANITE IN ABSOLUTE BLACK COLOUR LYCHEE AND WATERJET FINISH
(C - 200x200x25mm)
(D - 800x400x50mm)

TYPE E1 KERB - REFER TO HyD STANDARD DRAWINGS NO. H1118 (E)

B

REFERENCE:

B	21/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
A	18/12/18	ISSUE FOR CONSTRUCTION	KLKK	JCMY	CLSY
-	25/04/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

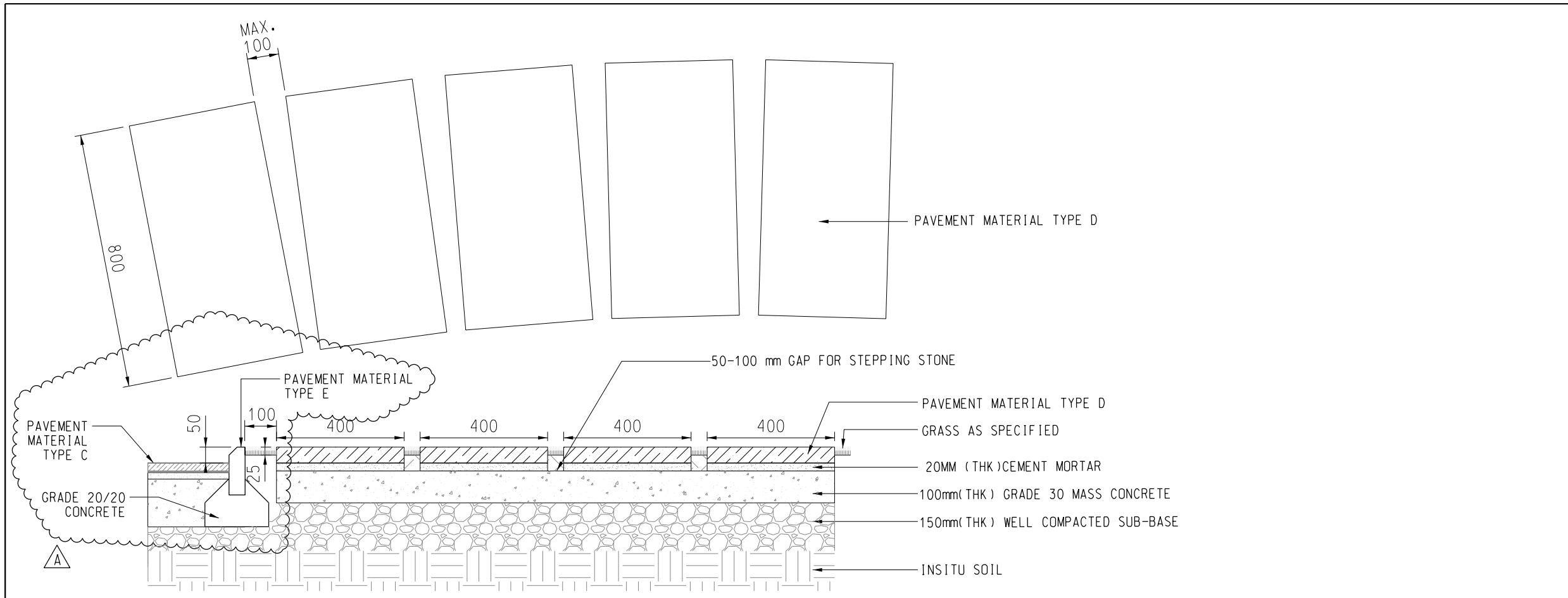
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CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

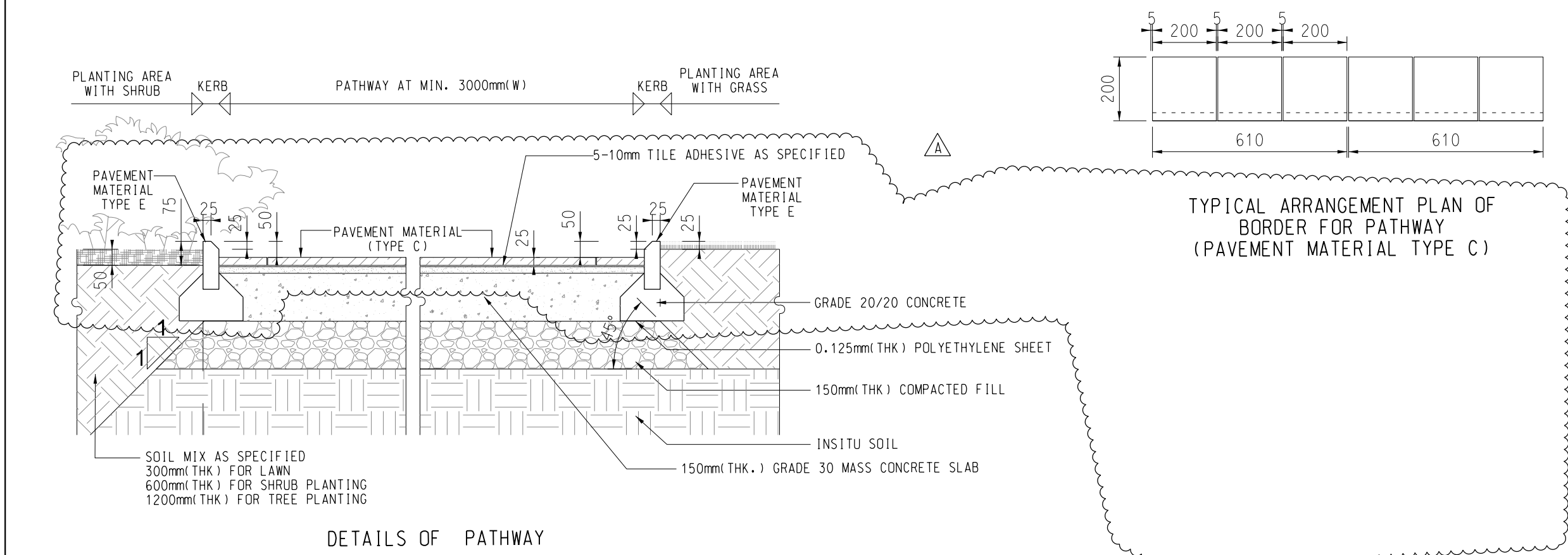
TITLE: WO KENG SHAN
GARDEN REPROVISION - PAVEMENT
AND SETTING OUT PLAN

SKETCH NO. CV/2013/08/SK2355B

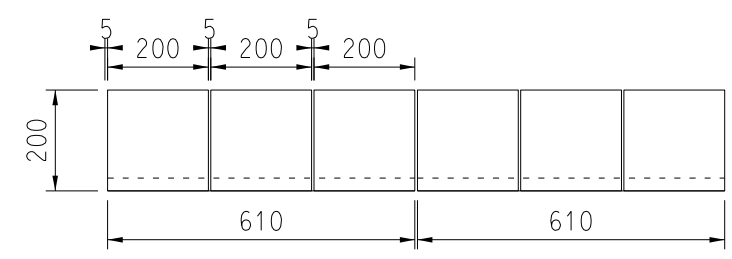
SCALE
1 : 80 (A3)



DETAILS OF STEPPING STONE



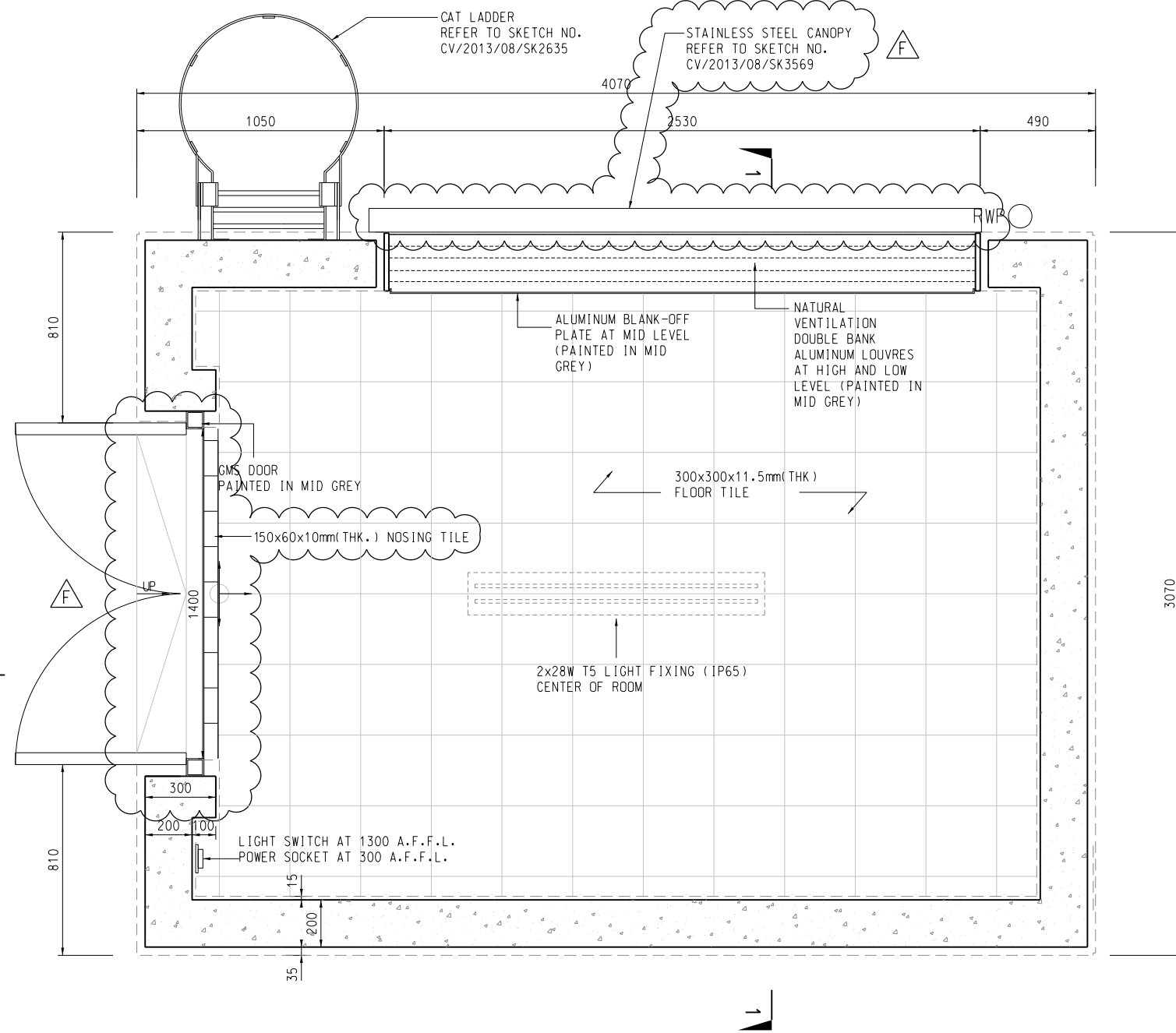
DETAILS OF PATHWAY



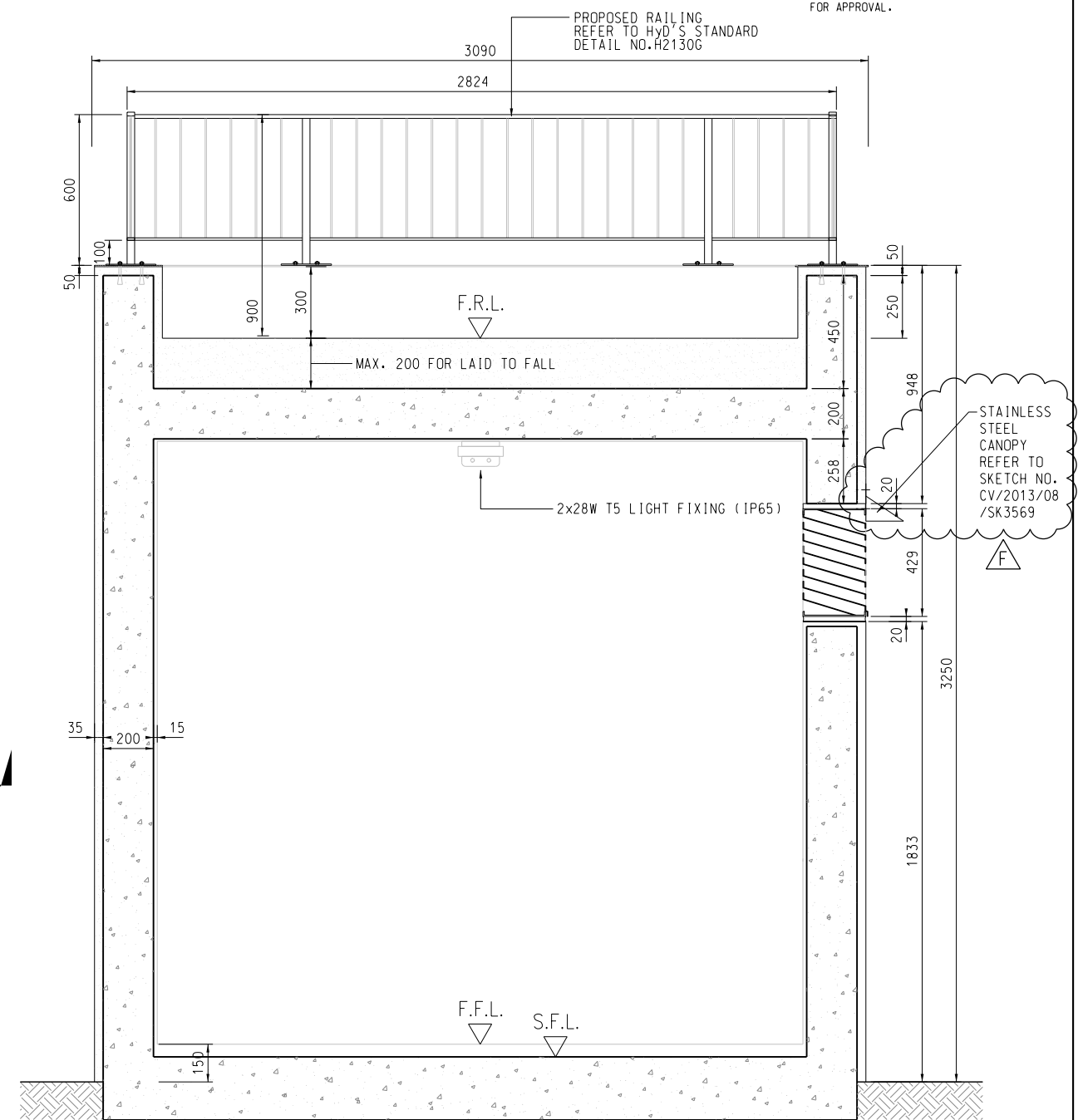
TYPICAL ARRANGEMENT PLAN OF BORDER FOR PATHWAY (PAVEMENT MATERIAL TYPE C)

- NOTE:**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 2. SETTING OUT OF THE STEPPING STONE SHALL BE DETERMINED ON SITE.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SITE SKETCH NO. CV/2013/08/SK2353 TO SK2536.
 4. PLEASE REFER TO TYPE E1 KERB AS PER HYD STANDARD DRAWING NO. H1118.
 5. PLEASE NOTE THAT EVERY 2700mm INTERVAL OF KERB SHOULD RESERVE 20mm GAP FOR DRAINAGE PURPOSE.

REFERENCE:				
A	21/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS
Rev.	Date	Description	Drawn	Prepared
<div> <div>AECOM</div> <div> CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6 </div> </div>				
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF PAVEMENT AND STEPPING STONE				
SKETCH NO.		CV/2013/08/SK2379A		SCALE 1 : 15 (A3)



FLOOR PLAN



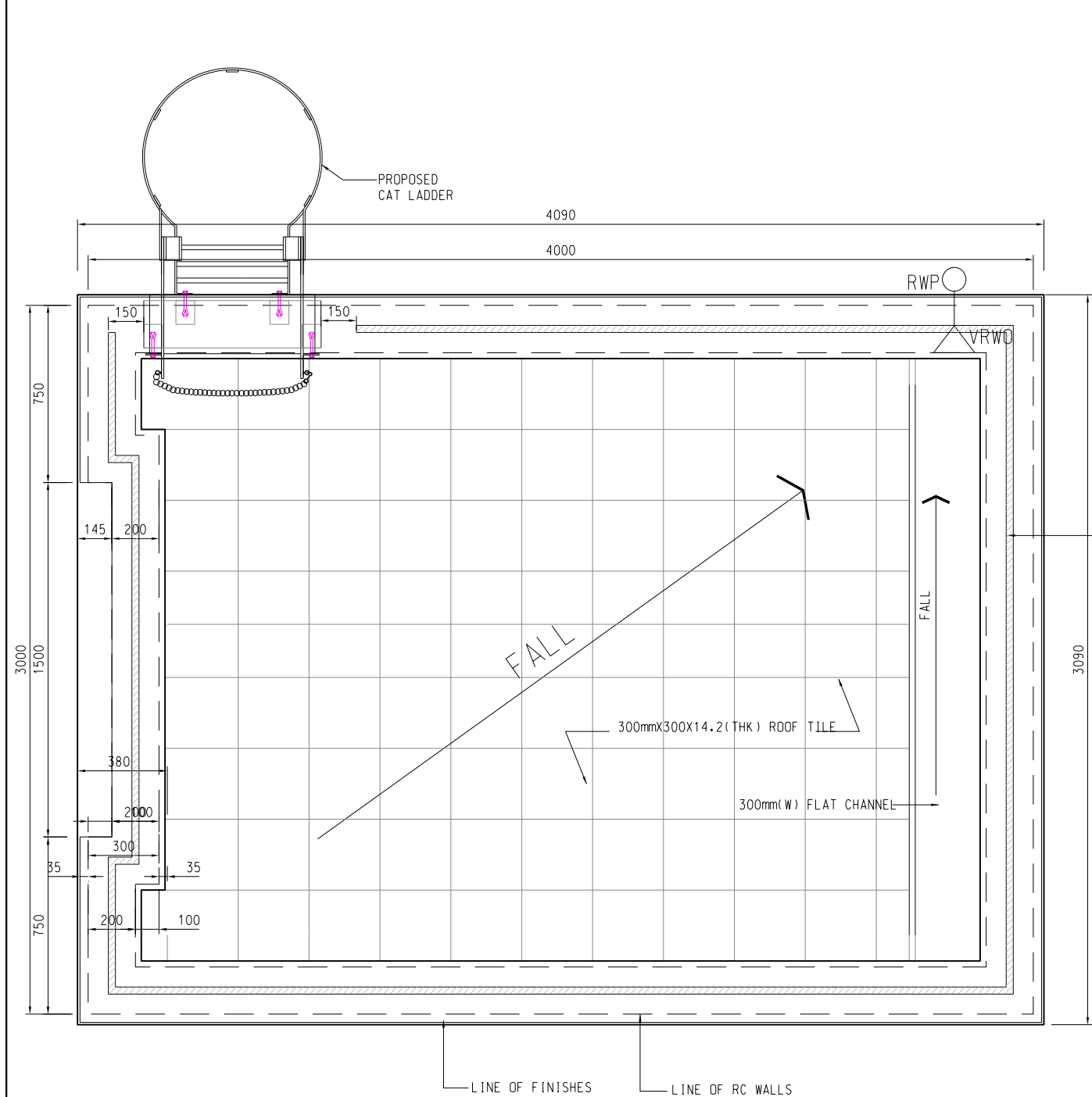
SECTION 1

- LEGEND:**
- F.D. FLOOR DRAIN
 - F.F.L. FINISH FLOOR LEVEL
 - S.F.L. STRUCTURAL FLOOR LEVEL

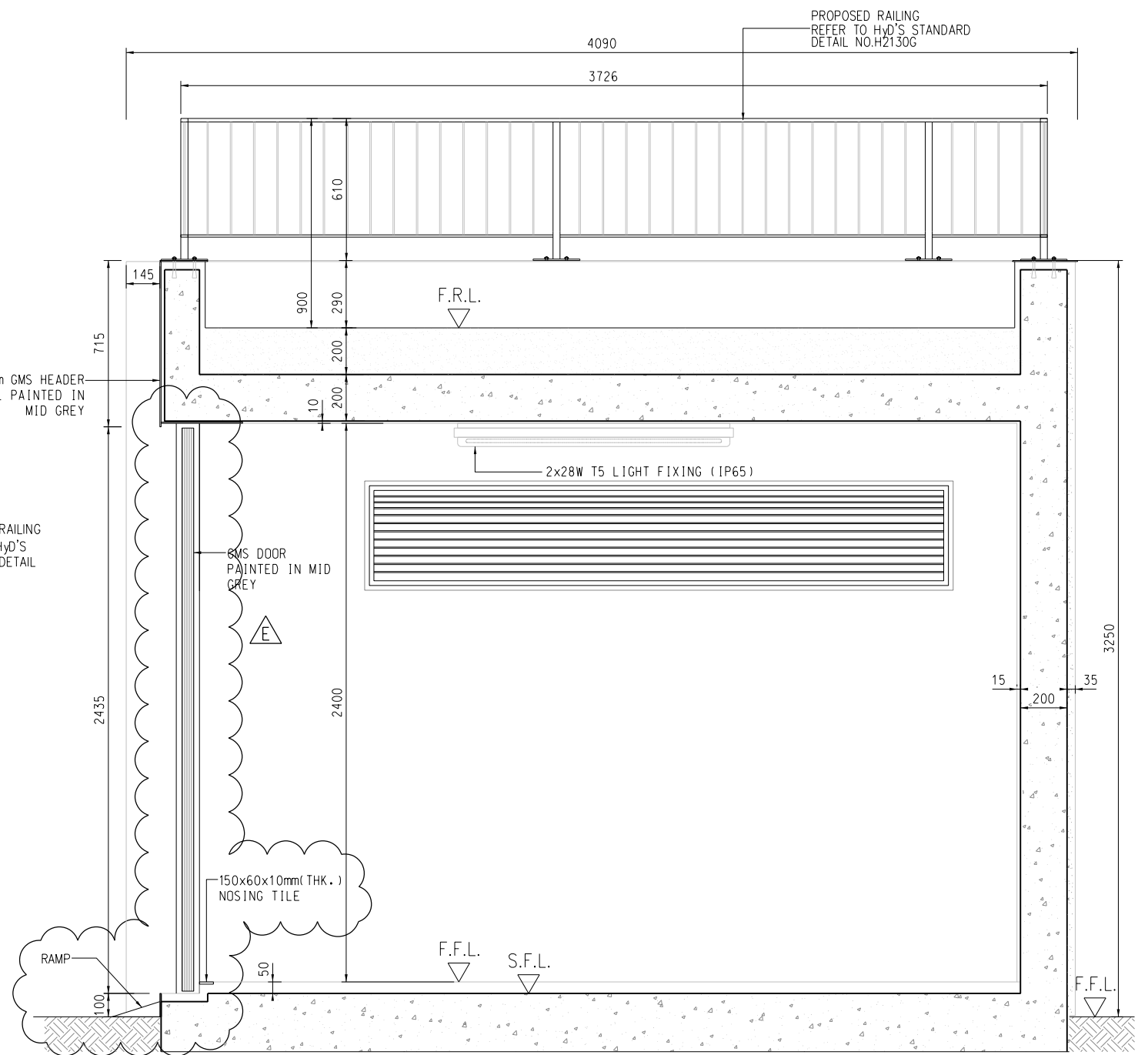
- NOTE:**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 - LOUVRES, GMS DOOR, RAILING AND CAT LADDER SHALL BE CONTRACTOR DESIGN.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.

REFERENCE:					
F	27/04/20	ISSUE FOR CONSTRUCTION	JW	LYCM	CLSY
E	05/07/19	ISSUE FOR CONSTRUCTION	JW	PWPS	CLSY
D	26/04/19	ISSUE FOR CONSTRUCTION	JW	PWPS	CLSY
C	15/02/19	ISSUE FOR CONSTRUCTION	JW	PWPS	CLSY
B	31/10/18	ISSUE FOR CONSTRUCTION	LCP	PWPS	CLSY
A	09/10/18	RESPONSE TO GOVERNMENT COMMENTS	JW	JCMY	CLSY
-	27/06/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF STORE ROOM					
SKETCH NO. CV/2013/08/SK2511F		SHEET 1 OF 4 SCALE 1:25 (A3)			

- NOTE:
- 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 - 2. LOUVRES, GMS DOOR, RAILING AND CAT LADDER SHALL BE CONTRACTOR DESIGN.
 - 3. CONTRACTOR SHALL SUBMITS SHOP DRAWINGS FOR APPROVAL.



ROOF PLAN



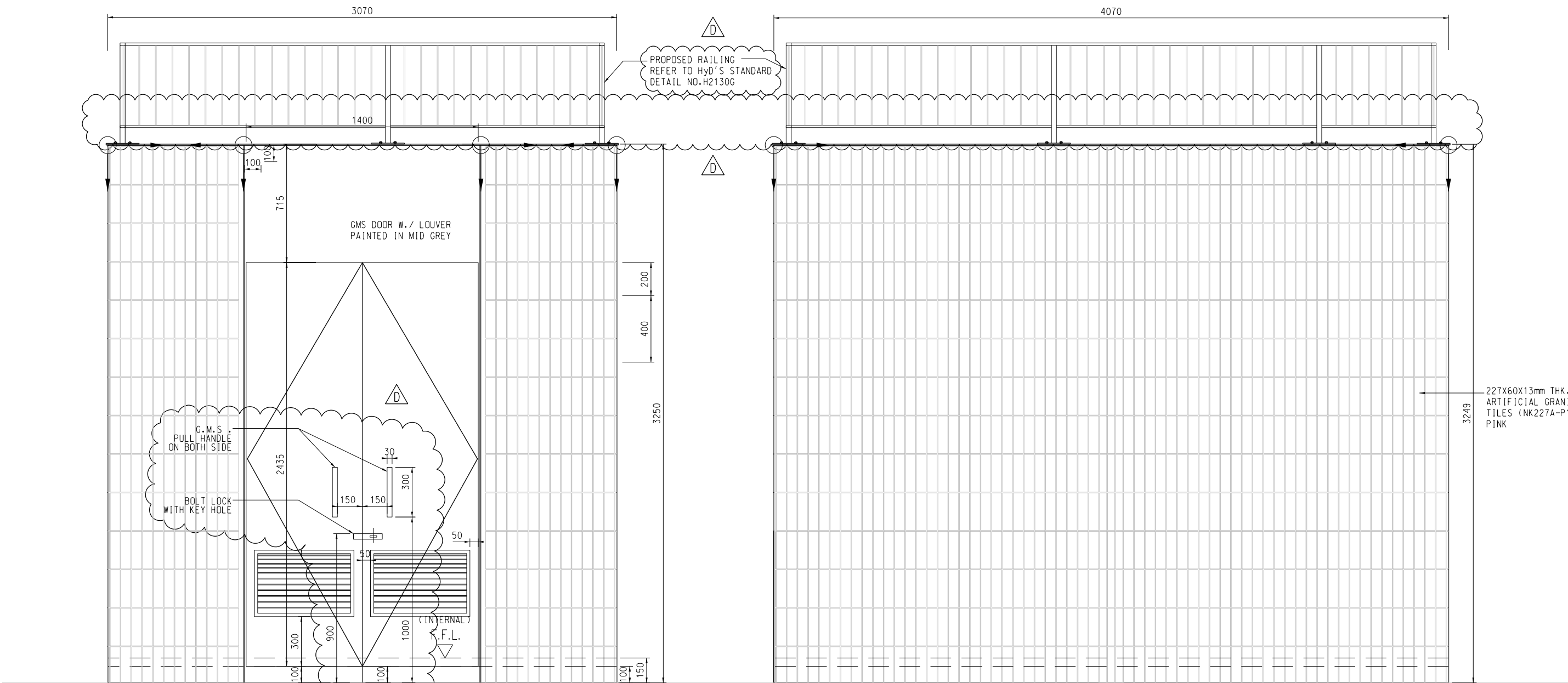
SECTION 2

- LEGEND:
- F.D. FLOOR DRAIN
 - F.F.L. FINISH FLOOR LEVEL
 - S.F.L. STRUCTURAL FLOOR LEVEL
 - VRWO VERTICAL RAIN WATER OUTLET

REFERENCE:					
E	14/05/20	ISSUE FOR CONSTRUCTION	JW	LYCM	CLSY
D	05/07/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
C	26/04/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
B	15/02/19	RESPONSE TO GOVERNMENT COMMENTS	JW	JCMY	CLSY
A	09/10/18	RESPONSE TO GOVERNMENT COMMENTS	JW	JCMY	CLSY
-	17/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF STORE ROOM					
SKETCH NO.		CV/2013/08/SK2543E			SCALE 1: 25(A3)

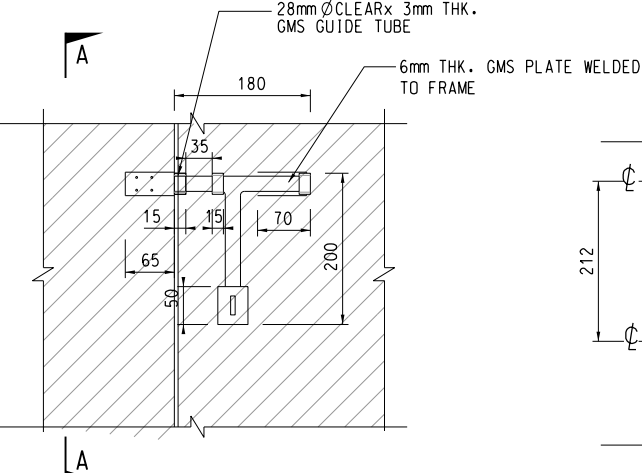
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- NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 2. LOUVRES, GMS DOOR, RAILING AND CAT LADDER SHALL BE CONTRACTOR DESIGN.
 3. CONTRACTOR SHALL SUBMITS SHOP DRAWINGS FOR APPROVAL.

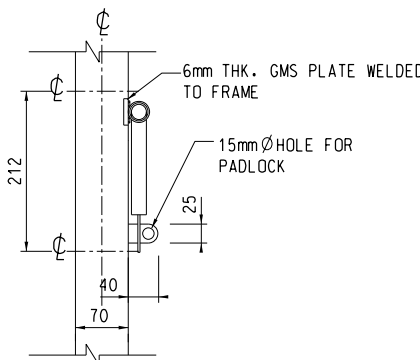


LEFT ELEVATION

FRONT ELEVATION



BOLT LOCK ELEVATION
SCALE 1 : 10



SECTION A - A
SCALE 1 : 10

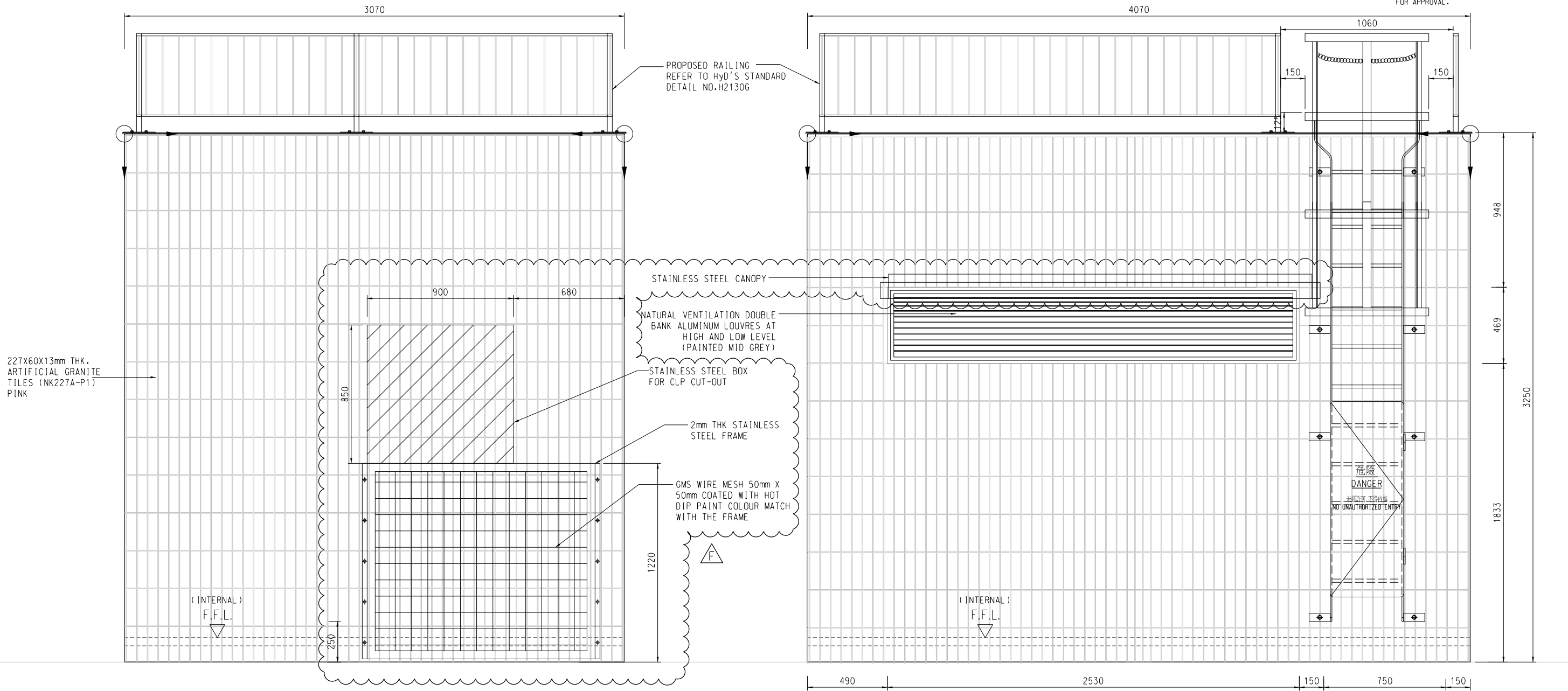


REFERENCE IMAGE
N.T.S.

- LEGEND:
- F.D. FLOOR DRAIN
 - F.F.L. FINISH FLOOR LEVEL
 - S.F.L. STRUCTURAL FLOOR LEVEL
 - TILE SETTING OUT POINT

REFERENCE:					
D	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
C	26/04/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
B	29/10/18	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
A	09/10/18	RESPONSE TO GOVERNMENT COMMENTS	JW	JCMY	CLSY
-	17/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF STORE ROOM					
SKETCH NO. CV/2013/08/SK2544D					SCALE 1: 25(A3)

- NOTE:
- 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 - 2. LOUVRES, GMS DOOR, RAILING AND CAT LADDER SHALL BE CONTRACTOR DESIGN.
 - 3. CONTRACTOR SHALL SUBMITS SHOP DRAWINGS FOR APPROVAL.



RIGHT ELEVATION

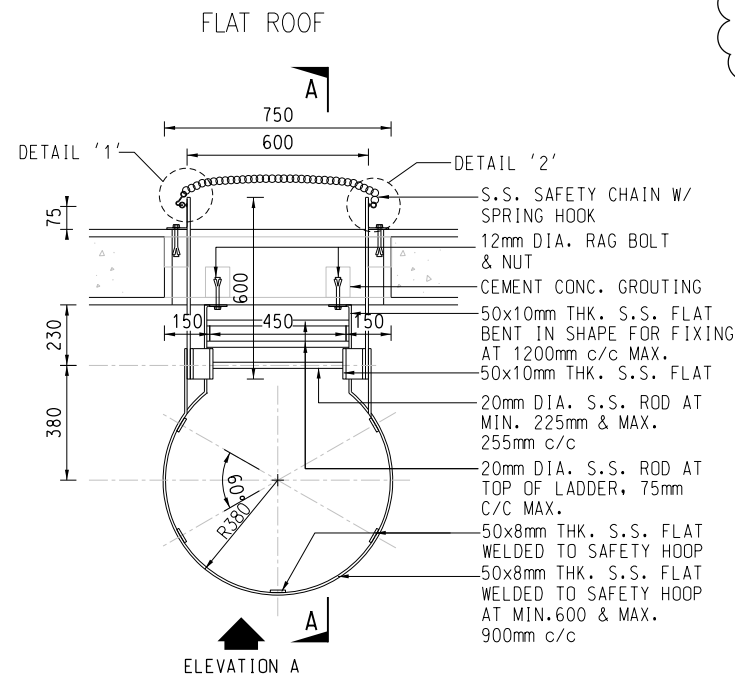
BACK ELEVATION



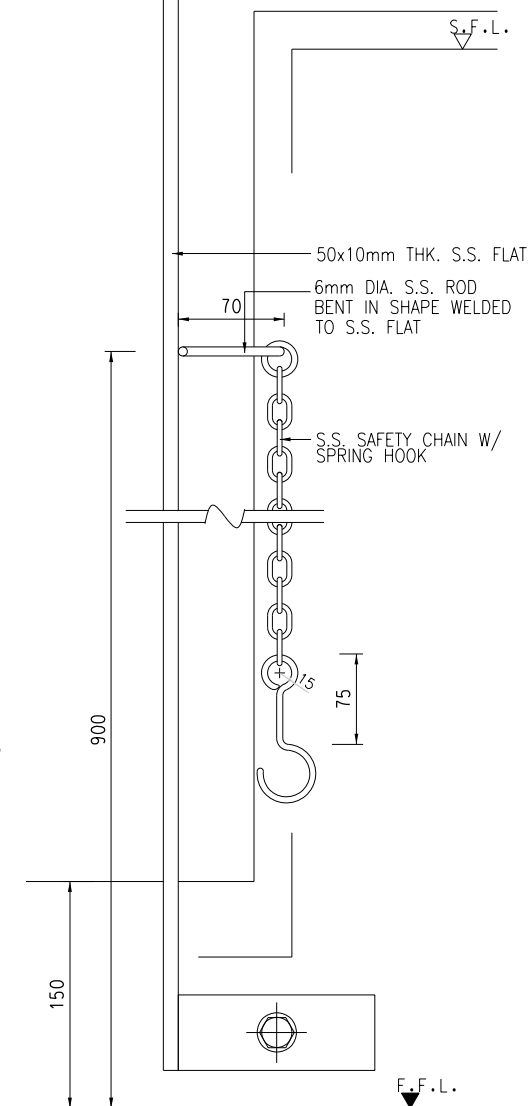
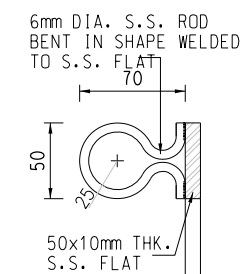
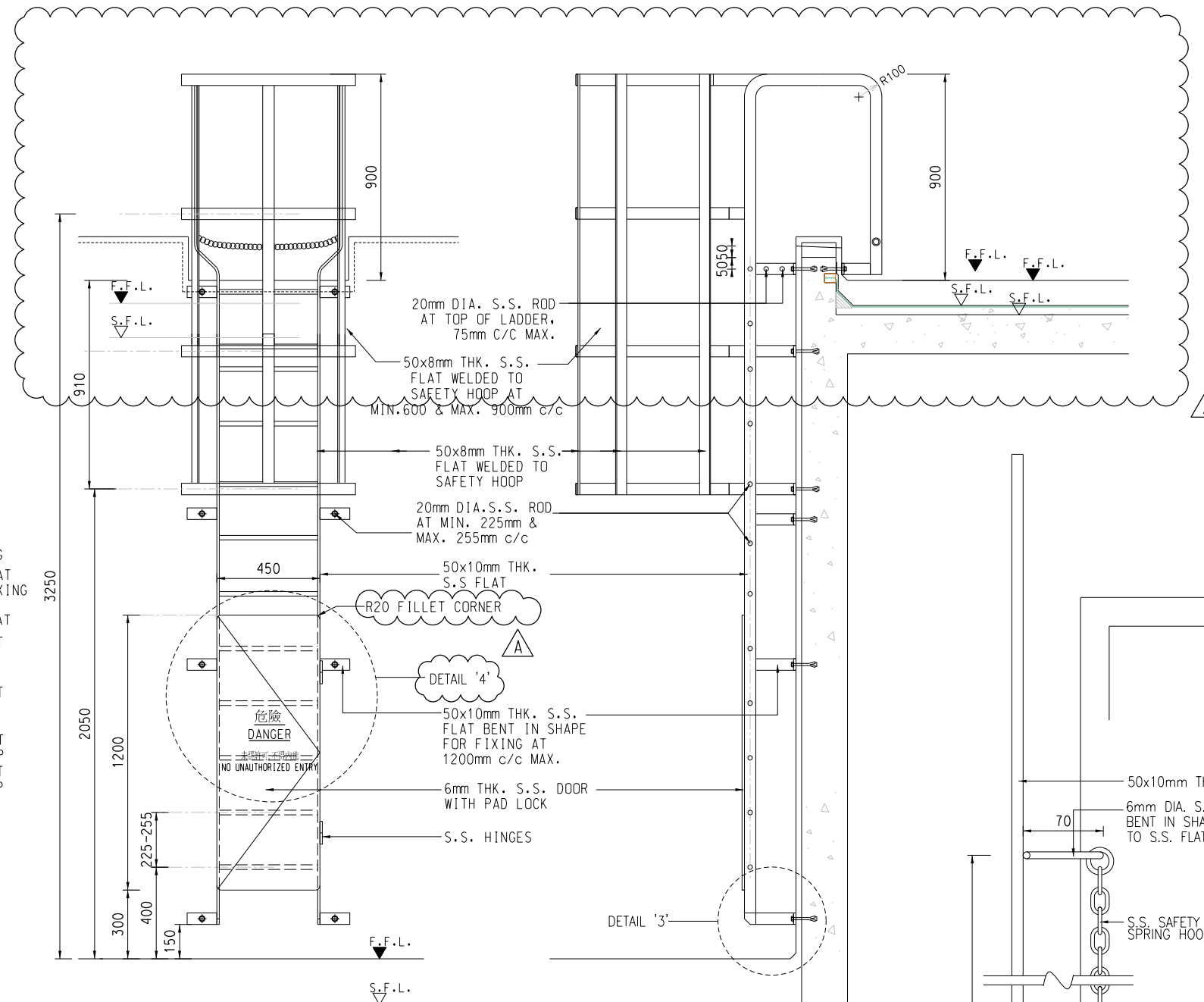
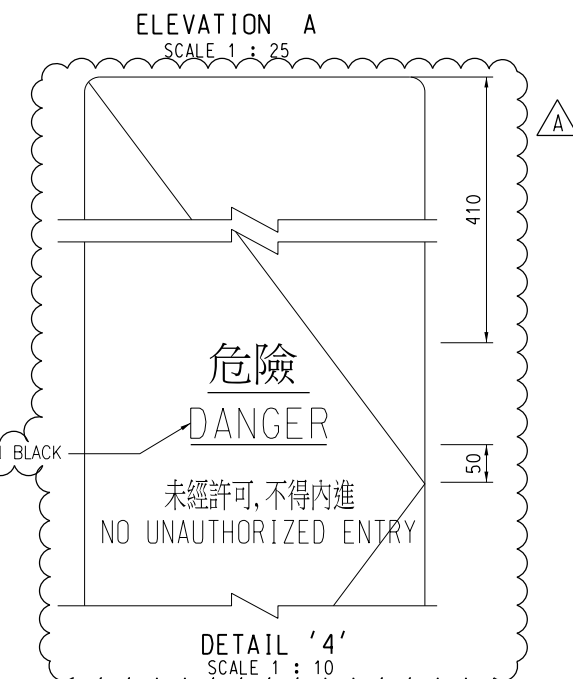
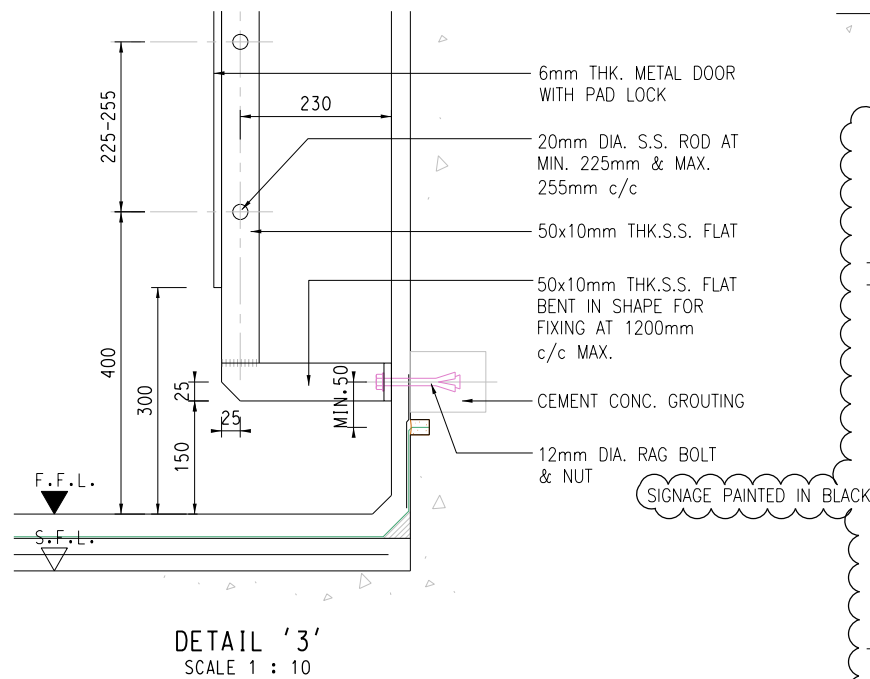
REFERENCE IMAGE OF STAINLESS STEEL BOX FOR CLP CUT-OUT

- LEGEND:
- F.D. FLOOR DRAIN
 - F.F.L. FINISH FLOOR LEVEL
 - S.F.L. STRUCTURAL FLOOR LEVEL
 - TILE SETTING OUT POINT

REFERENCE:					
F	14/05/20	ISSUE FOR CONSTRUCTION	JW	LYCM	CLSY
E	05/01/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
D	26/04/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
C	15/02/19	RESPONSE TO GOVERNMENT COMMENTS	JW	JCMY	CLSY
B	26/10/18	RESPONSE TO GOVERNMENT COMMENTS	JW	JCMY	CLSY
A	09/10/18	RESPONSE TO GOVERNMENT COMMENTS	JW	JCMY	CLSY
-	17/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF STORE ROOM					
SKETCH NO. CV/2013/08/SK2545F					SCALE 1:25(A3)



PLAN OF CAT LADDER
SCALE 1 : 25



NOTES:

- 1.1 TO BE READ IN CONJUNCTION WITH PARTICULAR SPECIFICATION AND CONDITIONS OF CONTRACT AND WITH RELATED PLANS AND DRAWINGS.
- 1.2 MEASUREMENTS TO EXISTING WORKS TO BE CHECKED ON SITE BY CONTRACTOR.
- 1.3 WRITTEN DIMENSIONS TO BE USED; DO NOT SCALE.
- 1.4 UNLESS OTHERWISE INDICATED ALL LEVELS ARE RELATIVE TO HONG KONG PRINCIPAL DATUM.
- 1.5 DRAWING ONLY VALID FOR CONSTRUCTION PURPOSES IF SO ENDORSED.
- 1.6 ALL CABLE BASEMENTS, WATER TANKS, MANHOLES AND TUNNELS SHOULD BE TREATED AS CONFINED SPACE. WORKS AND INSPECTIONS ARE TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE LATEST LEGISLATION.
2. ALL CONNECTIONS FOR METAL WORKS TO BE CONTINUOUSLY FILLET WELDED & INDICATED.
3. ALL WELDED JOINTS TO BE GROUND SMOOTH.
4. ALL METAL WORKS EXCEPT S.S. TO BE HOT GALVANIZED TO B.S 729 WITH MIN. ZINC DEPOSIT OF 300g/m² & TO BE PRINTED AS SPECIFIED IN GENERAL SPECIFICATION.
5. ALL STAINLESS STEEL WORKS TO BE GRADE 316L.
6. ALL STEEL WORKS MUST BE BONDED TO THE EARTHING TERMINAL AT THE DISTRIBUTION BOARD WITH COPPER CONDUCTOR NOT LESS THAN 6mm.
7. THIS DRAWING SHOWS DESIGN INTENT ONLY. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS TO ARCHITECTS & ENGINEERS FOR APPROVAL.

REFERENCE:

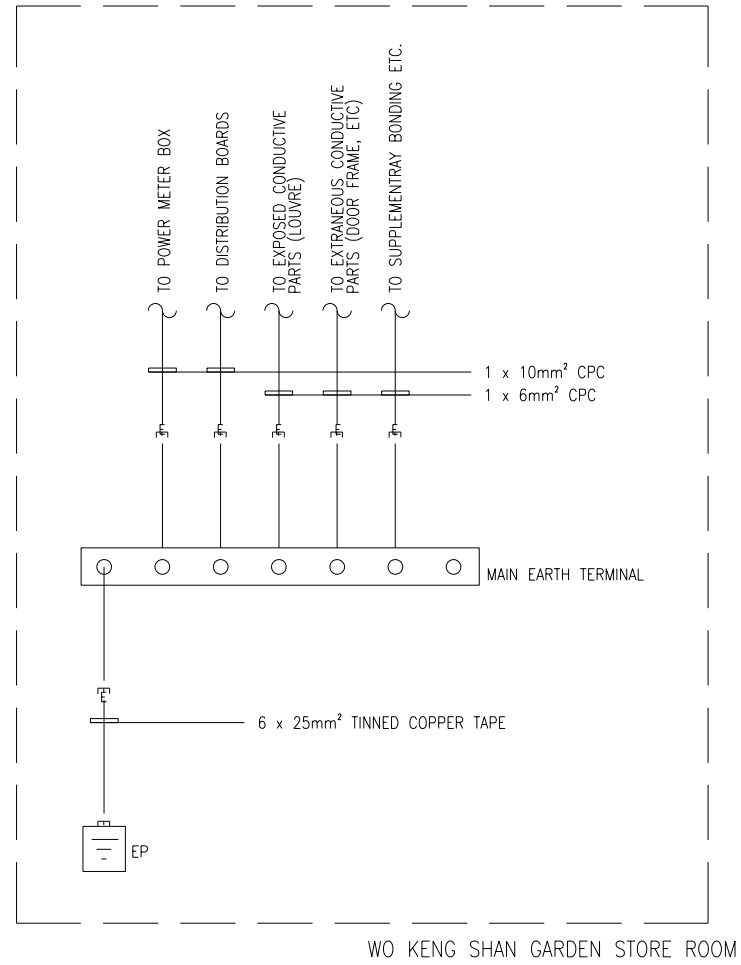
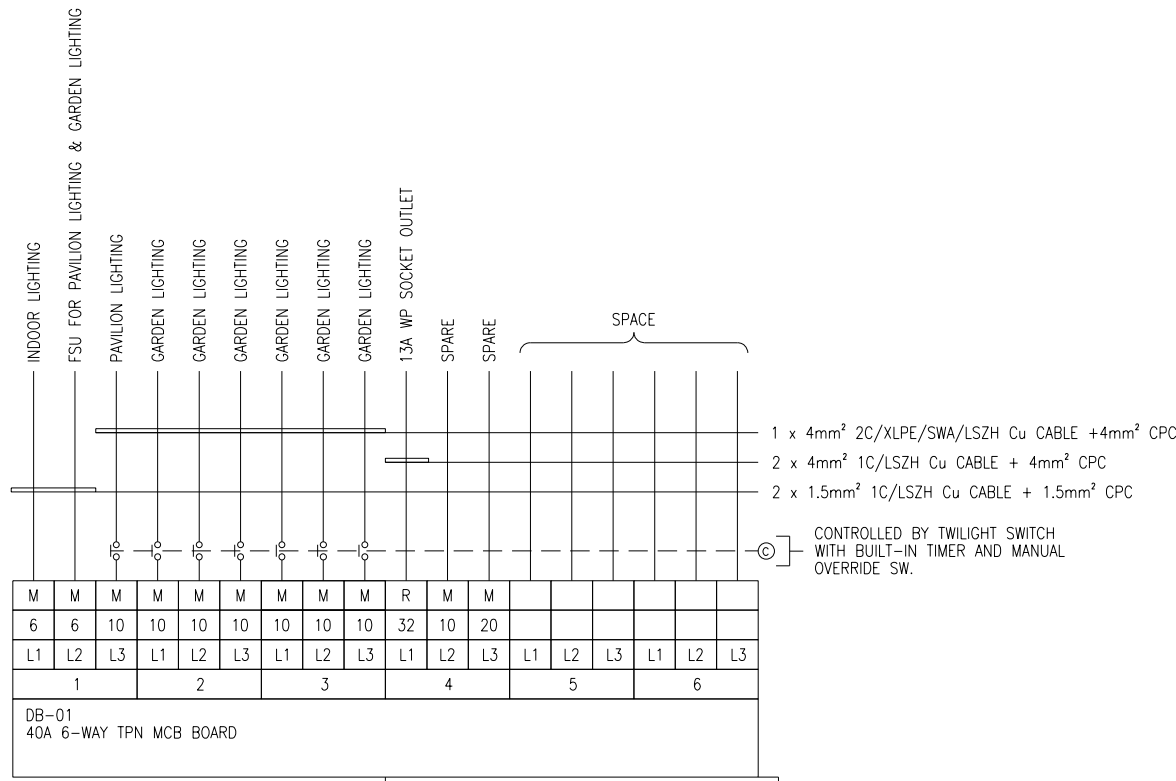
Rev.	Date	Description	Drawn	Prepared	Checked
A	26/10/18	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	08/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION -
STORE ROOM - CAT LADDER

SKETCH NO. CV/2013/08/SK2635A SCALE AS SHOWN (A3)



LEGEND:

- ISOLATING SWITCH, TPN UNLESS OTHERWISE SPECIFIED
- HRC FUSE (RATING AS INDICATED)
- MINIATURE CIRCUIT BREAKER
- CURRENT TRANSFORMER
- POWER(KWH) METER BY SUPPLY COMPANY
- EARTH TERMINAL
- EARTH PIT
- MAIN EARTH SYSTEM CONDUCTOR
- N/O CONTACT
- CONTACTOR

ABBREVIATIONS:

- A AMPERE
- CLPP CLP POWER HONG KONG LIMITED
- LSHF LOW SMOKE HALOGEN FREE
- XLPE CROSS-LINKED POLYETHYLENE
- 1/C SINGLE CORE
- 4/C FOUR CORE

LIGHTING AND SMALL POWER

- COMBINED MCB/RCD SHALL BE PROVIDED TO CIRCUITS WHERE THE EARTH FAULT LOOP IMPEDANCE MEASURE IS GREATER THAN THE VALUE SPECIFIED IN THE CODE OF PRACTICE FOR THE ELECTRICITY (WIRING) REGULATIONS.
- LIGHTING SWITCHES SHALL BE INSTALLED AT 1350mm AFFL UNLESS OTHERWISE SPECIFIED.
- ALL FLUORESCENT LUMINAIRES SHALL BE COMPLETED WITH HIGH FREQUENCY ELECTRONIC BALLAST AND END OF LIFE SHUTDOWN FEATURES.
- ALL FUSED CONNECTION UNITS SHALL BE MOUNTED AT H/L OR ADJACENT TO THE EQUIPMENT UNLESS OTHERWISE SPECIFIED.
- 13A WEATHERPROOF SOCKET OUTLETS SHALL HAVE A DEGREE OF PROTECTION OF AT LEAST IP65 TO BS EN 60529 AND INSTALLED AT 450mm AFFL UNLESS OTHERWISE SPECIFIED.

REFERENCE:

E	11/05/20	ISSUE FOR CONSTRUCTION	LCP	PWPS	KW
D	26/11/19	ISSUE FOR CONSTRUCTION	LCP	PWPS	KW
C	14/03/19	ISSUE FOR CONSTRUCTION	KLKK	PWPS	LL
B	18/12/18	ISSUE FOR CONSTRUCTION	KLKK	PWPS	LL
A	30/10/18	ISSUE FOR CONSTRUCTION	LCP	PWPS	LL
-	26/07/18	ISSUE FOR CONSTRUCTION	LKK	PWPS	LL
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN GARDEN
- ELECTRICAL SERVICES - ELECTRICAL
& EARTHING SCHEMATIC DIAGRAM

SKETCH NO. CV/2013/08/SK2562E

SCALE
N.T.S.

NOTES:

GENERAL

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, SUPPLY, INSTALL, TESTING AND COMMISSIONING AND SELECTION OF E&M EQUIPMENT AND ASSOCIATED AUXILIARIES SUCH AS SUPPORT SYSTEMS AND INSTALLATION DETAILS TO MEET THE REQUIREMENTS OF THE DESIGN INTENT STIPULATED IN THE DRAWINGS AND SUBMIT FOR THE ENGINEER FOR APPROVAL.
- THE ELECTRICAL SYSTEM SHALL BE COMPLETED, BUT NOT LIMITED TO THE LATEST FOLLOWING STANDARDS:
 - THE CODE OF PRACTICE FOR ELECTRICITY WIRING REGULATIONS, ISSUED BY WSD SPECIFICATION, THE EMSD, HONG KONG GOVERNMENT
 - GENERAL SPECIFICATION FOR ELECTRICAL INSTALLATION IN GOVERNMENT BUILDINGS OF THE HONG KONG ADMINISTRATIVE REGION, ARCHITECTURAL SERVICE DEPARTMENT, CURRENT EDITION
 - REQUIREMENTS OF ELECTRICAL INSTALLATIONS, THE LATEST OF THE IET WIRING REGULATIONS
 - SUPPLY RULES, ISSUED BY CLP POWER HONG KONG LIMITED, CURRENT EDITION
 - GUIDE TO SUPPLY AND METERING ARRANGEMENT ON CUSTOMER'S INTERNAL DISTRIBUTION SYSTEM, ISSUED BY CLP POWER HONG KONG LIMITED, CURRENT EDITION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTION AND COORDINATION OF ELECTRICAL PROTECTIVE DEVICES WITH PROPER GRADING AND SETTING TO ACHIEVE FULL DISCRIMINATION AND ELECTRICAL POWER SUPPLY SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATION AND VERIFICATION OF CABLE SIZE TO MEET THE REQUIREMENTS IN EMSD'S CODE OF PRACTICE FOR THE ELECTRICITY(WIRING) REGULATIONS BASED ON THE FINAL CABLE LENGTHS DETERMINED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL LIAISE WITH CLP AND FULLY RESPONSIBLE FOR COORDINATION AND SUBMISSION OF ALL NECESSARY INFORMATION TO AND OBTAINING APPROVAL FROM CLP IN EVERY ASPECT FOR THE CONNECTION AND ENERGIZATION OF ALL THE SUPPLIES AND PROVIDE METERING FACILITIES FOR CLP.
- LOCATIONS OF LUMINAIRES AND WIRING ACCESSORIES SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. EXACT LOCATIONS TOGETHER WITHALL DESIGN DATA SHALL BE COORDINATED BY THE CONTRACTOR AND SUBMIT FOR ENGINEER'S APPROVAL PRIOR TO INSTALLATION WORKS.
- NO MATTER WHETHER IT IS EXPLICITLY INDICATED ON THE DRAWING OR NOT,ALL THE ELECTRICAL ACCESSORIES INSTALLED AT OUTDOOR AREA SHALL BE OF WEATHERPROOF TYPE FOR OUTDOOR USE.

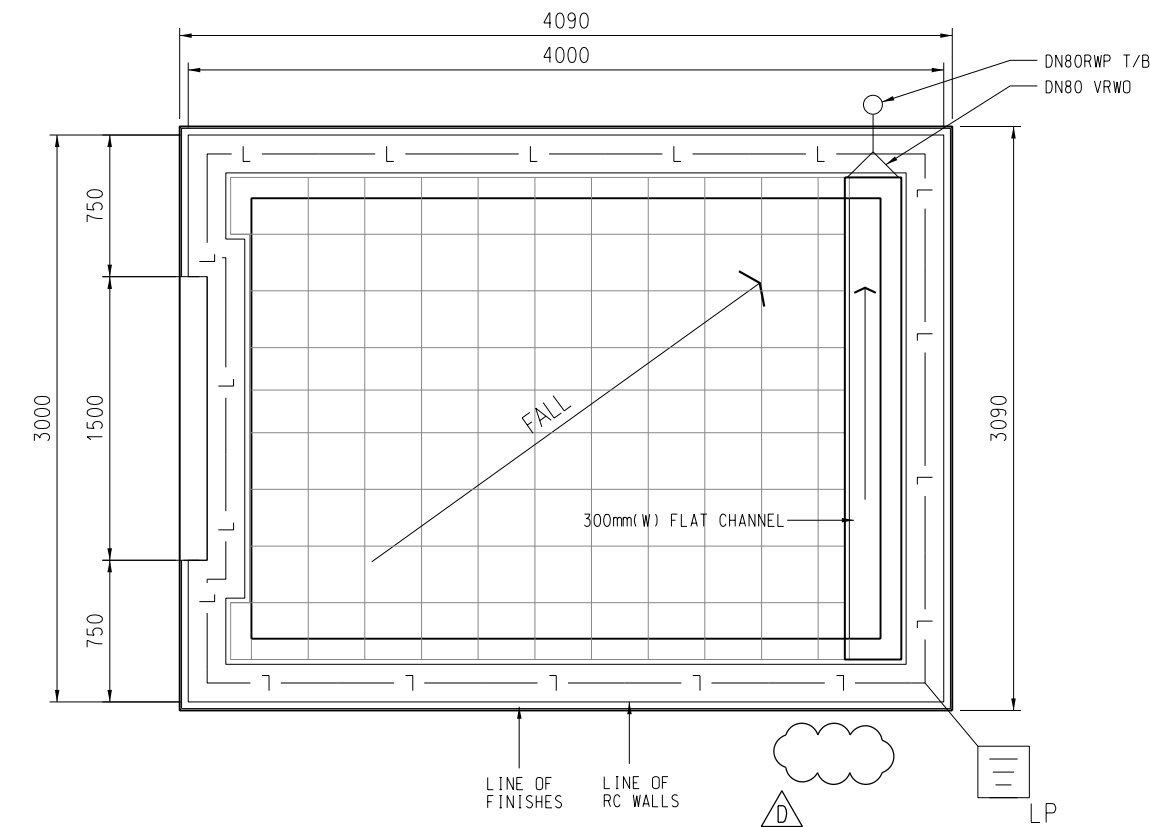
- LOCATIONS OF ALL EQUIPMENT AND DEVICES SHOWN ON THE DRAWINGS SERVE INDICATIVE PURPOSE, EXACT LOCATION AND MOUNTING LEVEL SHALL BE COORDINATE AND AGREED ON SITE.
- THE CONTRACTOR SHALL DESIGN, SUPPLY AND INSTALL ALL NECESSARY CABLE CONTAINMENT SYSTEMS FOR POWER CABLES AND CONTROL CABLES INSTALLATIONS.
- THE CONTRACTOR SHALL COORDINATE WITH CIVIL CONTRACTOR EXACT LOCATION OF CABLE DRAW PIT AND STRUCTURAL E&M DRAWINGS.
- ALL CABLE DUCTS SHALL BE C/W DRAW WIRE AND SEAL WITH FIRE RESISTANCE MATERIAL OF APPROVED TYPE.
- REGARDING CIVIL PROVISION ON THE E&M DRAWPITS, PLEASE REFER TO HYD STANDARD DWG. NO. HLDS0GE01-CL0025F & 26F FOR THE PUBLIC LIGHTING DRAWPIT DETAILS OR HYD STANDARD DRAWING NO. H2159B FOR DETAILS OF ATC DRAWPIT.

POWER DISTRIBUTION SYSTEM

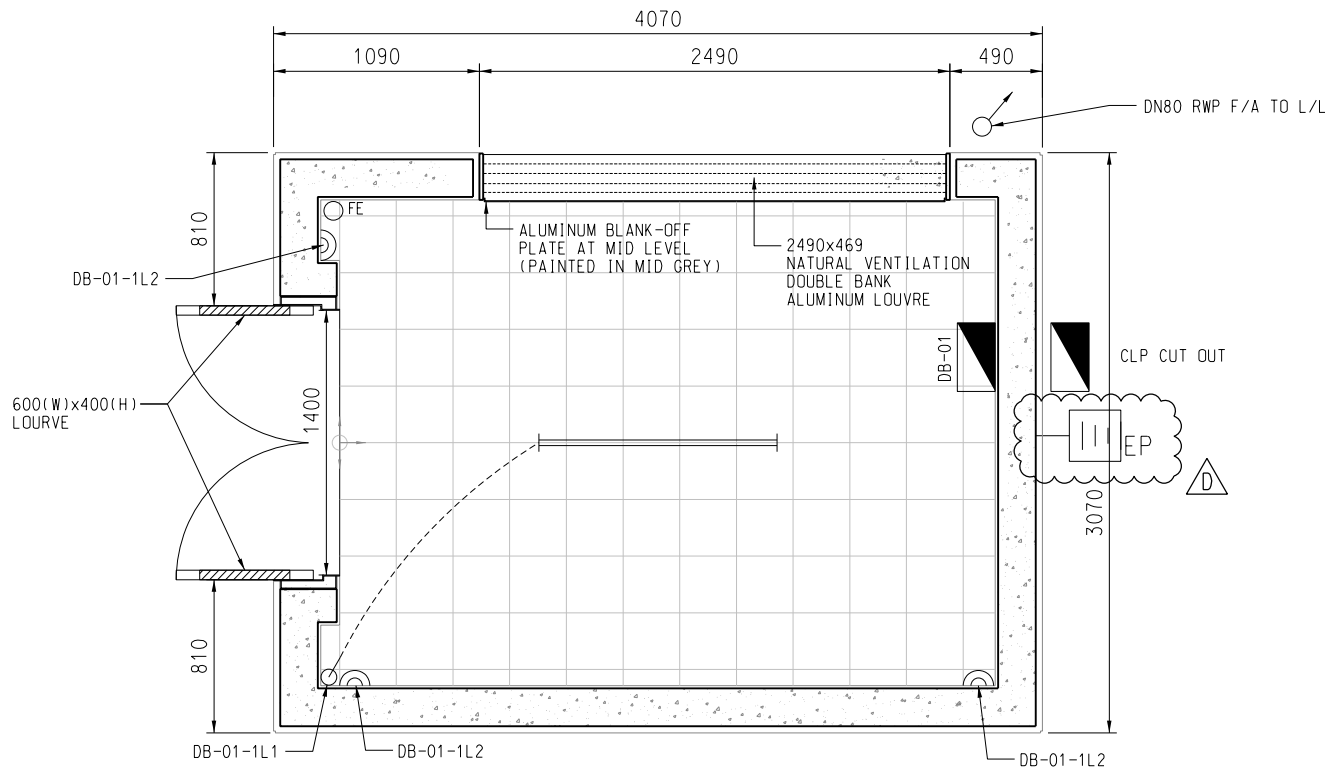
- ALL WIRES AND CABLES, CABLE JOINTS & INSTALLATION TYPE SHALL BE LOW SMOKE HALOGEN FREE(LSHF), UNLESS OTHERWISE SPECIFIED.
- THE CABLE SIZES OF THE MAIN AND SUB-MAIN CABLES SHOWN ARE MINIMUM REQUIREMENT AND INDICATIVE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND PROVIDE CABLES TO SUIT THE ACTUAL REQUIREMENTS OF THE EQUIPMENT.
- THE MINIMUM SIZE OF POWER CABLE SHALL BE 2.5mmsq AND ALL CABLES SHOULD BE LSOH CABLES.
- MCBs SHALL COMPLY WITH BSEN 60898 OR IEC 898, M6 OR BETTER, WITH A TRIPPING CHARACTERISTIC OF TYPE B FOR LIGHTING CIRCUIT AND TYPE C FOR SMALL POWER EQUIPMENT, UNLESS OTHERWISE SPECIFIED.
- SEPARATE CIRCUIT PROTECTIVE CONDUCTORS SHALL BE PROVIDED FOR ALL OUTGOING CIRCUITS IN ACCORDANCE WITH THE LATEST IET WIRING REGULATIONS.
- THE MINIMUM CABLE SIZE FOR CURRENT TRANSFORMER CONNECTION SHALL BE 2mmsq.
- EQUIPOTENTIAL BONDING SHALL BE PROVIDED FOR ALL EXTRANEOUS METAL OBJECTS IN ACCORDANCE WITH THE LATEST IET WIRING REGULATIONS.
- ALL CABLE GLANDS SHALL BE WEATHERPROOF TYPE AND COMPLETED WITH LSHF SHROUD.
- ALL CABLES INSTALLED IN OPEN AREA OR LAY UNDERGROUND SHALL BE ARMoured.

EARTHING & LIGHTING

- THE ROUTES OF EARTHING SYSTEM CABLES/TAPES ARE SHOWN ON THE ELECTRICAL SERVICES LAYOUT. THE CONTRACTOR SHALL READ IN CONJUNCTION WITH EARTHING SYSTEM SCHEMATIC FOR EXACT EARTHING REQUIREMENTS AND THE EXACT NUMBER OF CONDUCTORS REQUIRED.
- THE ENCLOSURES OF ALL LIGHTING AND POWER DISTRIBUTION BOARD SHALL BE EARTHED AS PER BS7671.
- DEDICATED CIRCUIT PROTECTIVE CONDUCTOR (CPC) SHALL BE PROVIDED FOR EACH CIRCUIT FOR FINAL CIRCUIT DISTRIBUTION. THE CPC SHALL BE SIZED IN ACCORDANCE WITH BS 7671.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION TO FINALIZE EARTHING TERMINALS FOR EQUIPOTENTIAL BONDING OF ALL EXTRANEOUS CONDUCTIVE PARTS. THE EXTRANEOUS CONDUCTIVE PARTS SHALL BE AS DEFINED BY CODE 11E(o) IN THE CODE OF PRACTICE FOR THE ELECTRICITY (WIRING) REGULATIONS ISSUED BY EMSD SUCH AS HANDRAIL,METAL DOOR, ETC. THE CONTRACTOR SHALL PROVIDE EQUIPOTENTIAL WIRING AND TERMINATE IT TO THE EARTHING TERMINAL.
- THE CONTRACTOR SHALL PROVIDE EQUIPOTENTIAL BONDING FOR ALL BUILDING SERVICES INSTALLATION IN COMPLY WITH THE CODE OF PRACTICE FOR THE ELECTRICITY (WIRING) REGULATIONS ISSUED BY EMSD.
- DIMENSIONS OF EARTH TERMINAL SHALL BE MINIMUM 300mmx50mmx6mm TINNED CU BAR AND WITH ADEQUATE TERMINALS FOR CONNECTION.
- 1 NO. 25mmx3mm LSHF INSULATED COPPER TAPE SHALL BE PROVIDED FOR INTERCONNECTING ALL LIGHTNING PIT AT 600mm BELOW GROUND LEVEL.
- A LIGHTNING EARTH ELECTRODE WITH EARTH PIT SHALL BE PROVIDED TO EACH DOWN CONDUCTOR. THE COMBINED EARTH RESISTANCE OF ALL ELECTRODES SHALL NOT EXCEED 10 OHM WITHOUT TAKING ACCOUNT OF ANY BONDING TO OTHER SERVICES. SELECTED DOWN CONDUCTORS SHALL BE CONNECTED TO THE EARTHING SYSTEM FOR EQUIPOTENTIAL BONDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONDUCT THE MEASUREMENT OF EARTH ELECTRODE RESISTANCE FOR EARTHING SYSTEM AS PER BS 7430:1998. THE COMBINED EARTH RESISTANCE OF ALL ELECTRODES SHALL NOT EXCEED 1 OHM.



ROOF PLAN
SCALE 1:40



FLOOR PLAN
SCALE 1:40

FAN SCHEDULE

SYMBOL	LAMP BLEMENT
	2x28w LED TUBE

NOTE:
1. REGARDING CIVIL PROVISION ON THE E&M DRAWPITS, PLEASE REFER TO HYD STANDARD DWG. NO. HLDSDGE01-CL0025F & 26F FOR THE PUBLIC LIGHTING DRAWPIT DETAILS OR HYD STANDARD DRAWING NO. H2159B FOR DETAILS OF ATC DRAWPIT.

LEGEND:

- SINGLE PHASE, 3 PIN, WEATHERPROOF, 13A SOCKET OUTLET AT 300mm A.F.F.L.
- EXIT SIGN
- LIGHTING SWITCH ONEWAY ONE GANG WEATHERPOOF AT 1350mm A.F.F.L.
- DISTRIBUTION BOARD
- EARTHING PIT
- LIGHTNING PIT
- 25mm x 3mm TINNED COPPER TAPE
- VERTICAL RAIN WATER OUTLET
- 4.5Kg CO₂ FIRE EXTINGUISHER

REFERENCE:

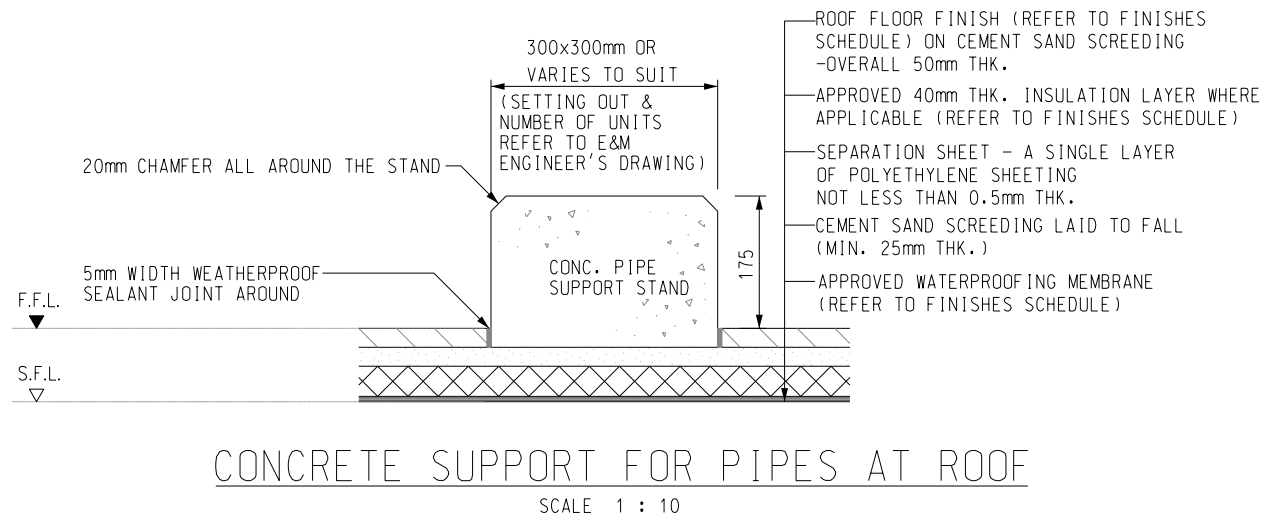
D	05/07/19	ISSUE FOR CONSTRUCTION	JW	PWPS	LL
C	14/03/19	ISSUE FOR CONSTRUCTION	KLKK	PWPS	LL
B	18/12/18	ISSUE FOR CONSTRUCTION	KLKK	PWPS	LL
A	30/10/18	ISSUE FOR CONSTRUCTION	LCP	PWPS	LL
-	03/08/18	ISSUE FOR CONSTRUCTION	KLKK	PWPS	LL
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

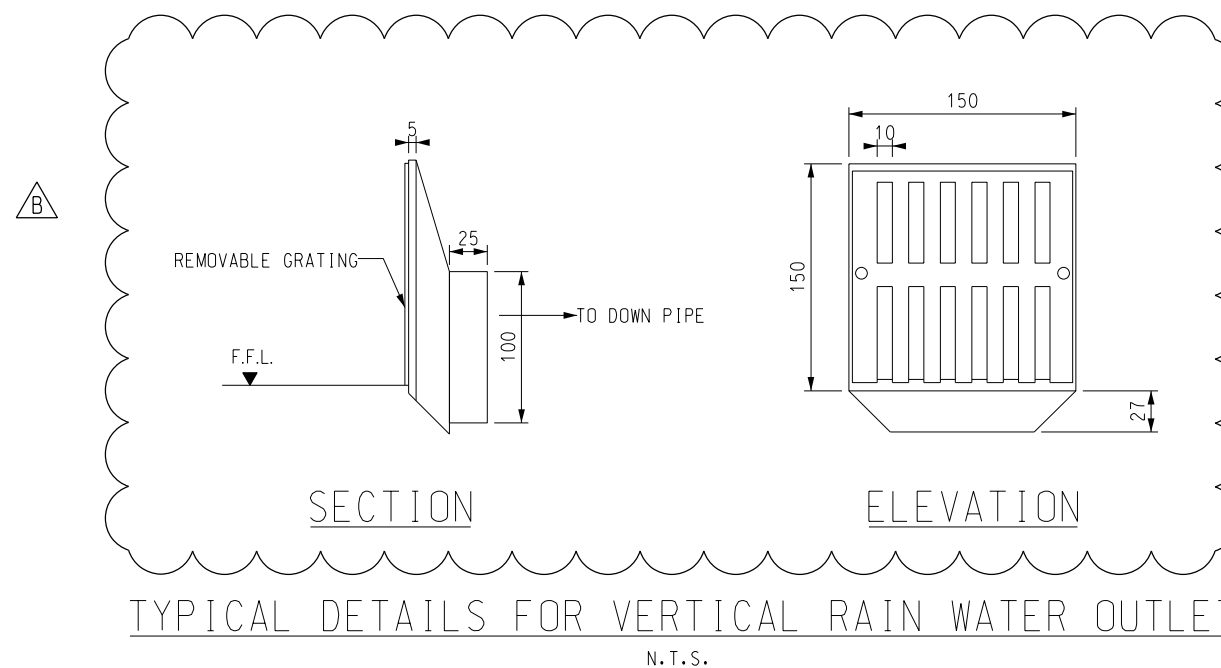
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6


TITLE: WO KENG SHAN
GARDEN-STORE ROOM
E&M LAYOUT

SKETCH NO.	CV/2013/08/SK2585D	SCALE AS SHOWN(A3)
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- # NOTE:
1. TO BE READ IN CONNECTION WITH PARTICULAR SPECIFICATION AND CONDITIONS OF CONTRACT AND WITH RELATED PLANS AND DRAWINGS.
 2. MEASUREMENT TO EXISTING WORKS TO BE CHECKED ON SITE BY CONTRACTOR.
 3. WRITTEN DIMENSIONS TO BE USED; DO NOT SCALE.
 4. UNLESS OTHERWISE INDICATED ALL LEVELS ARE RELATIVE TO HONG KONG PRINCIPAL DATUM.
 5. DRAWING ONLY VALID FOR CONSTRUCTION PURPOSE IF SO NOTED.
 6. ALL CONNECTIONS FOR METAL WORKS TO BE CONTINUOUSLY WELDED EXCEPT TO OTHERWISE INDICATED.
 7. ALL WELDED JOINTS TO BE GROUND SMOOTH.
 8. ALL METAL WORKS TO BE HOT DIP GALVANIZED TO BS-593 WITH MIN. ZINC DEPOSIT OF 300g/m² & TO BE PAINTED AS SPECIFIED IN GENERAL SPECIFICATION.
 9. ALL STEEL JOINTS TO COMPLY WITH B.S. 5330 1976 & B.S. 5135, 1974 HAVING A MINIMUM WELD STRENGTH OF 115N/mm².
 10. ALL STEELLESS STEEL TO BE OF 316 QUALITY.
 11. ALL STEEL ELEMENTS TO BE GRADE 43 MILD STEEL COMPLYING WITH REQUIREMENTS OF B.S. 4360, 1979.
 12. ALL DRAWING SCHEDULES DESIGN INTENT ONLY. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS TO ARCHITECTS & ENGINEERS FOR APPROVAL.
 13. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF WATER PROOFING FOR ENGINEER'S APPROVAL.



REFERENCE:					
B	15/05/20	ISSUE FOR CONSTRUCTION	JW	BL	BL
A	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLST
-	20/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLST
Rev.	Date	Description	Drawn	Prepared	Checked
					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: REPROVISION OF WO KENG SHAN GARDEN STORE ROOM - TYPICAL DETAILS OF FLAT CHANNEL & RAINWATER OUTLET AT ROOF					
SKETCH NO.	CV/2013/08/SK2551B			SCALE AS SHOWN IN A	

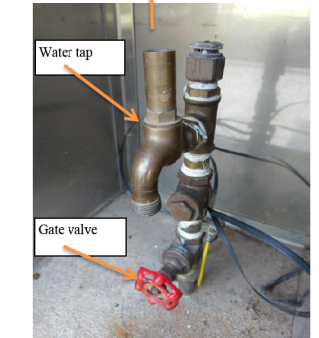
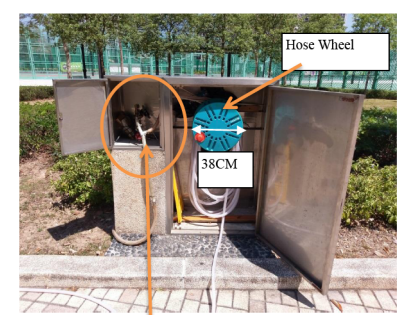
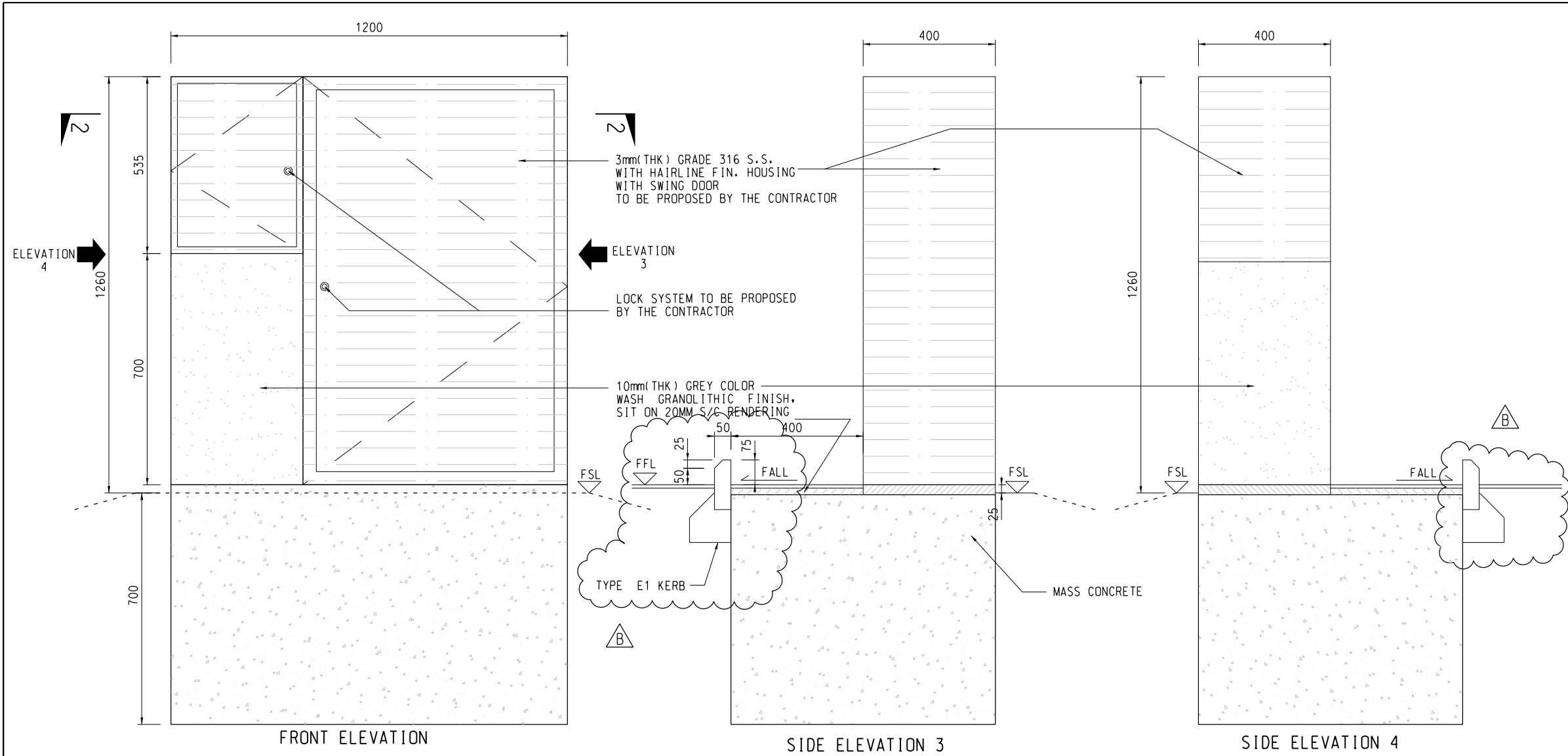
WO KENG SHAN GARDEN REPROVISION - MATERIAL SCHEDULE

Description	Brand	Model	Dimension (mm)	Color/Finish	Image	Origin	Location of Applicaiotn
Store Room							
Artificial Granite Tile	Ryowa	NK-227A	60x227x13mm thk AGT, "A" Finish	P1, Pink		China	store room - façade
External Render System - Base Plaster	E.Mix	Easi Render	-	-	-	Hong Kong	store room - external
Internal Render System	Optimix	BP126	-	-	-	China	store room - internal
Bonding Agent	E.Mix	EVA Admix	-	-	-	Hong Kong	store room
Floor Tile	PADANA	Granitogres Technic	300x300x11.5	<div>Georgia</div> 	-	Italy	store room - internal floor
Tile Skirting			300x100x8				store room - roof
Roof Tile			300x300x14.2				
Painting System	Nippon	Vinilex 5101 Wall Sealer	-	White/Matt	-	China	store room - internal wall and ceiling
		A-Tex Emulsion					
Painting System	Nippon	HDC 8048 Primer	-	-	-	China	store room - steel works
		Epoxy Micaceous Iron Oxide (Undercoat)	-	-			
		U-Marine Finish (FUR) (Top Coat)	-	Mid-Grey			
Tile Adhesive	E.Mix	Tile Fix 353	-	-	-	Hong Kong	store room
Tile Grout	E.Mix	Tile Grout (Fine)	-	White	-	Hong Kong	store room - internal
				Grey			store room - external
Waterproofing	Fosroc	Nito proof 600 PF	-	-	-	China	store room - roof
Insulation Board	TYL	TYL Insulation Board (40mm)	-	-	-	Hong Kong	store room - roof
Pathway							
Natural Granite Border	-	-	200x200x25	Absolute Black Color in Lychee and Waterjet Finish		China	pathway
Natural Granite	-	-	800x400x25	Nero Pepperino Color in Lychee Finish		China	pathway
Natural Granite	-	-	800x400x25	Sesame White Color in Lychee Finish		China	pathway
Natural Granite	-	-	400x400x25	Nero Pepperino Color in Lychee Finish		China	pathway
Natural Granite	-	-	400x400x25	Sesame White Color in Lychee Finish		China	pathway
Natural Granite	-	-	300x300x25	Nero Pepperino Color in Lychee Finish		China	pathway
Natural Granite	-	-	300x300x25	Sesame White Color in Lychee Finish		China	pathway
Natural Granite stepping Stone	-	-	800x400x50	Absolute Black Color in Lychee and Waterjet Finish		China	pathway
Type E1 Precast Concrete Kerb set on Grade 20/20 Concrete as per HyD Standard Drawing No. H1119	-	-	-	Precast Concrete Kerb	-	China/ Hong Kong	pathway

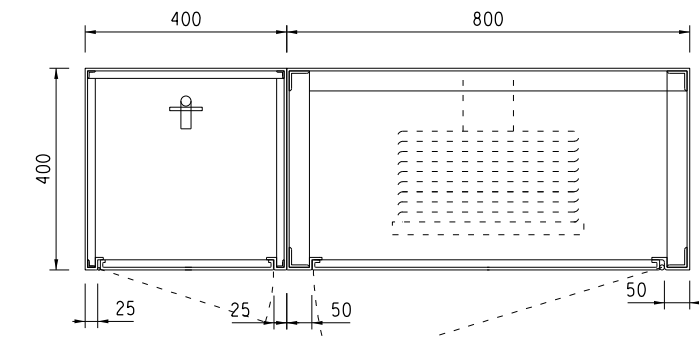
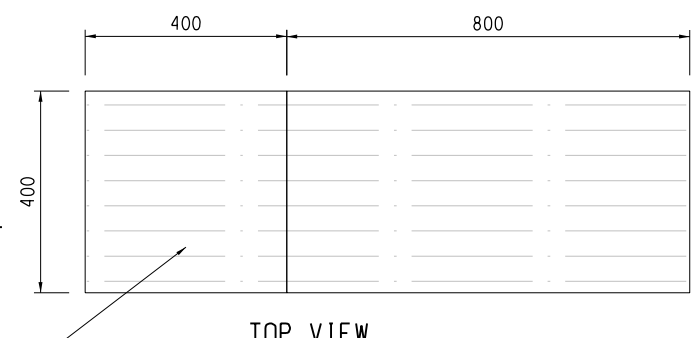
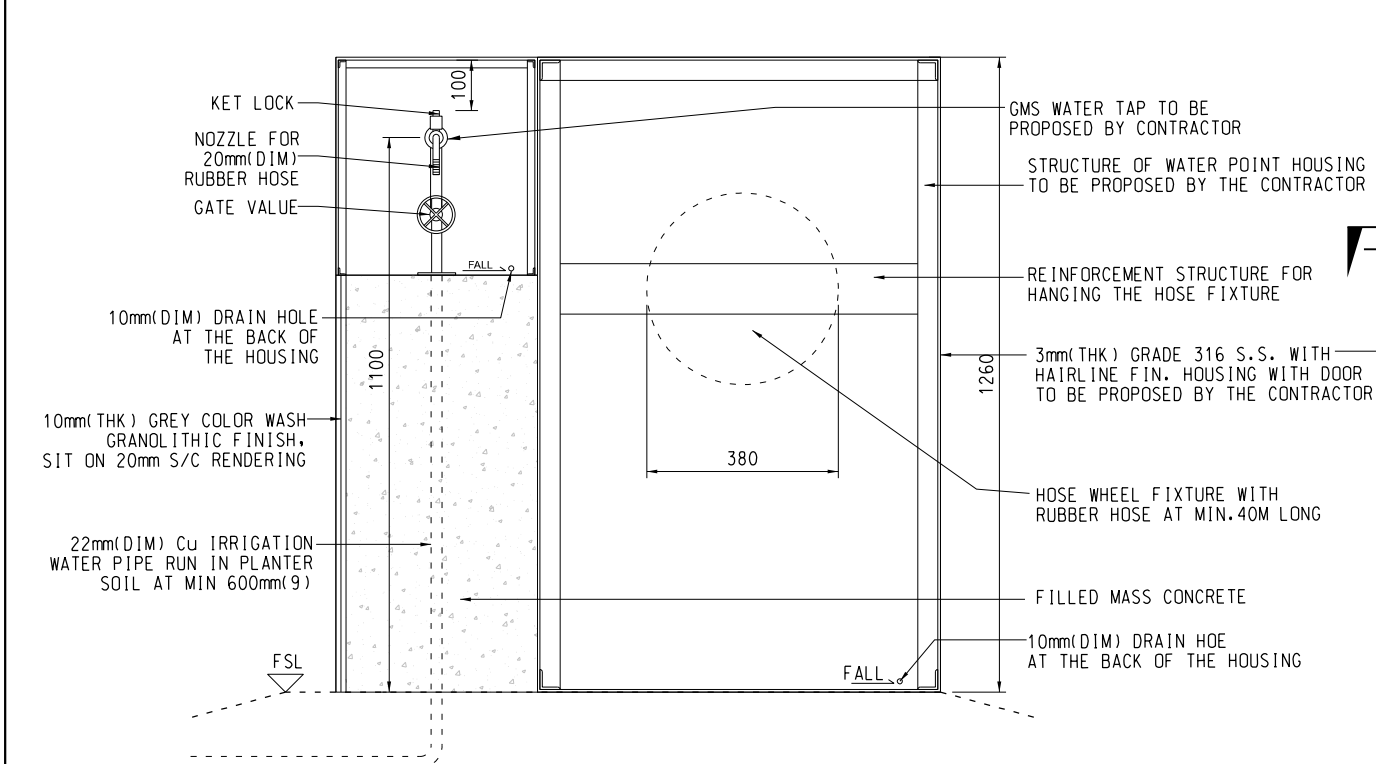
notes 1) contractor to submit materterial samples for approval



REFERENCE :					
A	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
<div>AECOM</div>					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - MATERIAL SCHEDULE					
SKETCH NO.	CV/2013/08/SK2387A				SCALE N.T.S.



WATER POINT WITH HOSE WHEEL FIXTURE (REFERENCE IMAGES)
N.T.S.



DETAILS OF WATER POINT WITH HOSE WHEEL FIXTURE
SCALE 1 : 15

NOTES:

- CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
- WELDS TO BE SOUND AND CONTINUOUS AVOIDING LOCKED IN SLAG.
- WELDS SLAGS TO BE REMOVED IMMEDIATELY AFTER WELDING.
- ALL FIXING METHOD AND INSTALLATION DETAIL PROPOSED BY CONTRACTOR FOR APPROVAL.
- ALL METHOD AND ACCESSORIES TO BE COMPLY WITH W.S.D. REQUIREMENT.
- THIS SKETCH SHALL READ IN CONJUNCTION WITH SKETCH NO. CV/2013/08/SK2418.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.

LEGEND:

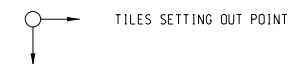
FSL FINISH SOIL LEVEL
FFL FINISH FLOOR LEVEL

REFERENCE:					
1.	SUPERSEDE	DRG NO.	60212563/C6/L00/1782A		
B	05/07/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
A	14/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF IRRIGATION POINT					
SKETCH NO.	CV/2013/08/SK2380B				SCALE N.T.S.

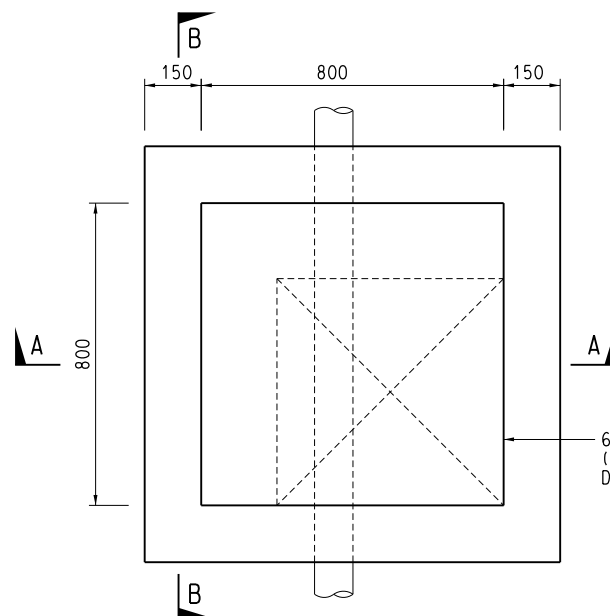
NOTES:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR APPROVAL.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SKETCH NOS. CV/2013/08/SK230, SK2418 & SK2632.

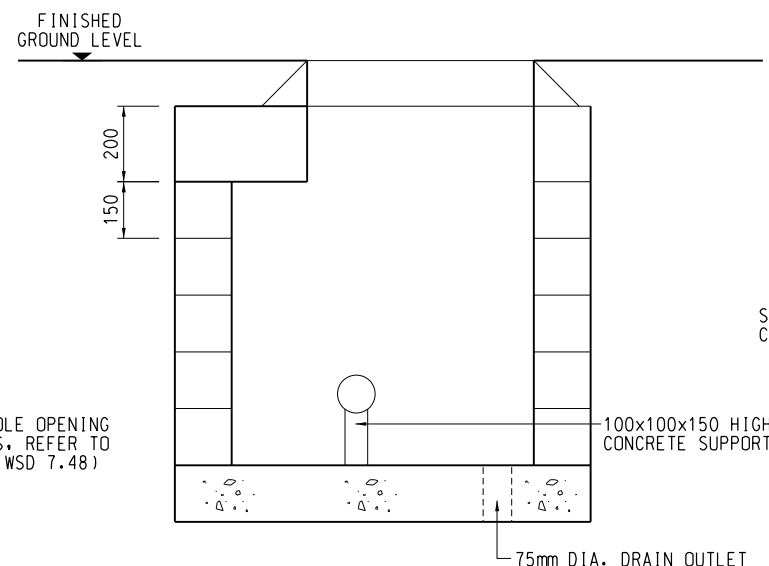
LEGEND:



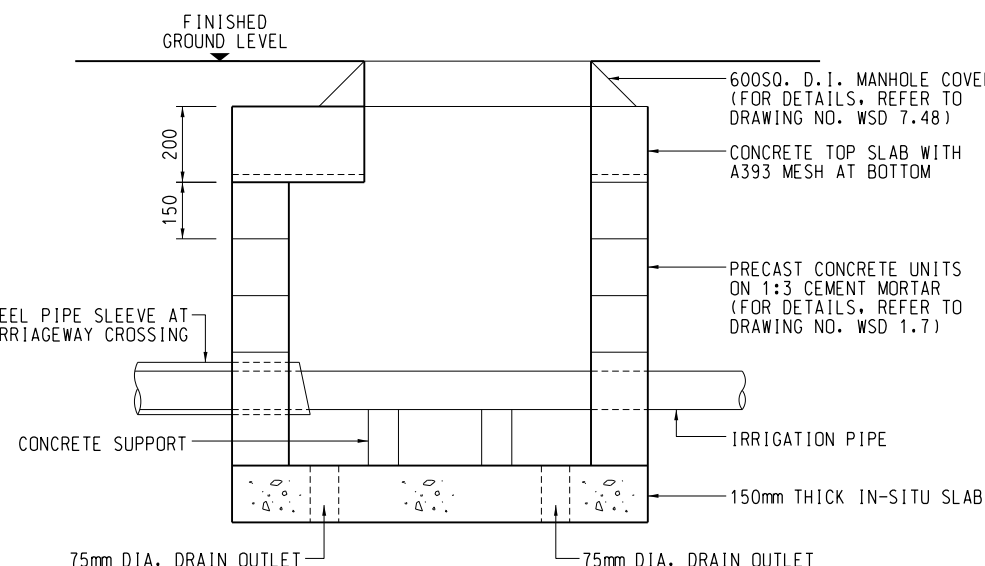
TILES SETTING OUT POINT



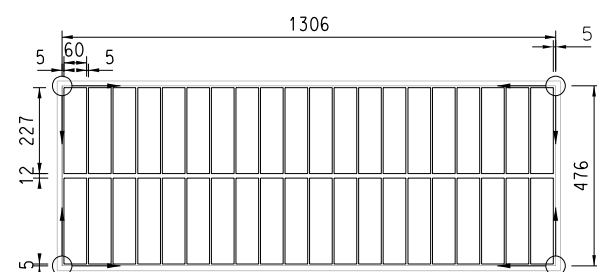
PLAN
INSPECTION MANHOLE DETAILS
OF IRRIGATION SYSTEM
SCALE 1 : 10



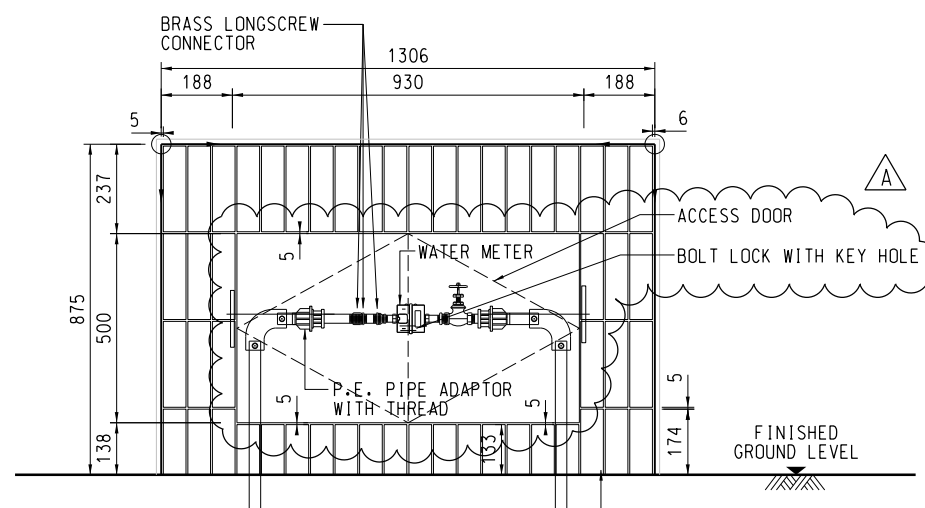
SECTION A - A
INSPECTION MANHOLE DETAILS
OF IRRIGATION SYSTEM
SCALE 1 : 10



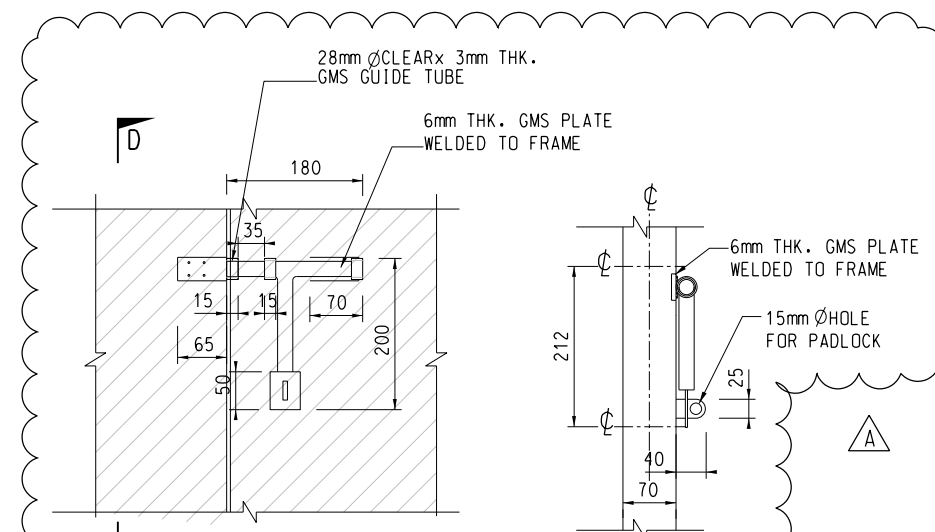
SECTION B - B
INSPECTION MANHOLE DETAILS
OF IRRIGATION SYSTEM
SCALE 1 : 10



PLAN TILE PATTEN
SCALE 1 : 10

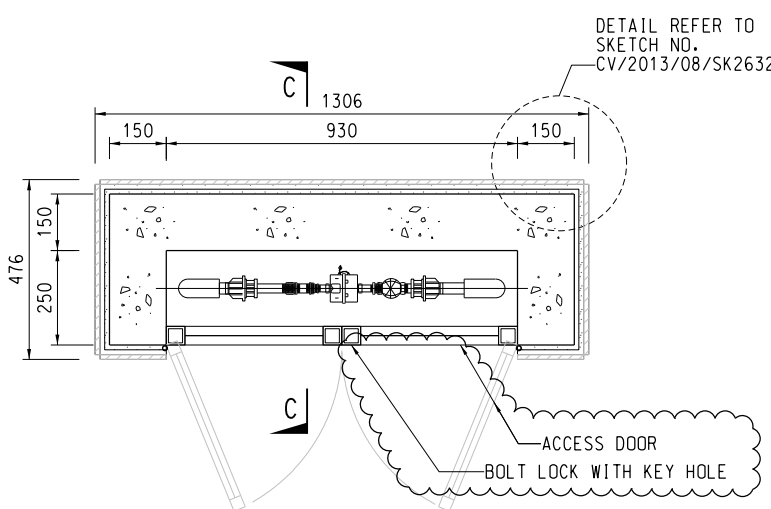


ELEVATION
WATER METER CABINET
SCALE 1 : 10

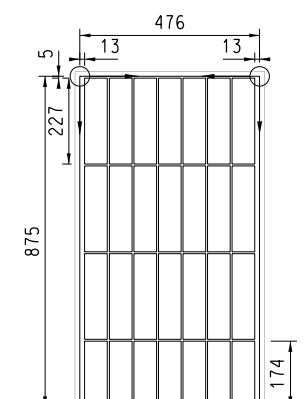


BOLT LOCK ELEVATION
SCALE 1 : 5

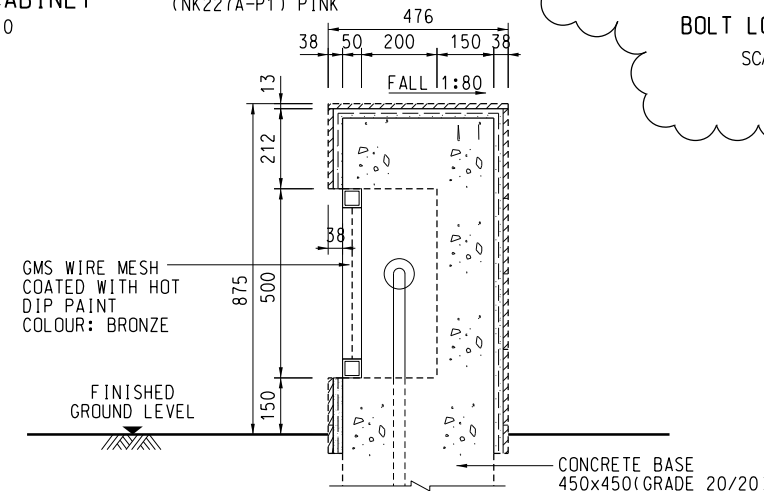
SECTION D - D
SCALE 1 : 5



PLAN
WATER METER CABINET
SCALE 1 : 10



SIDE ELEVATION
WATER METER CABINET
SCALE 1 : 10




SECTION C - C
WATER METER CABINET
SCALE 1 : 10

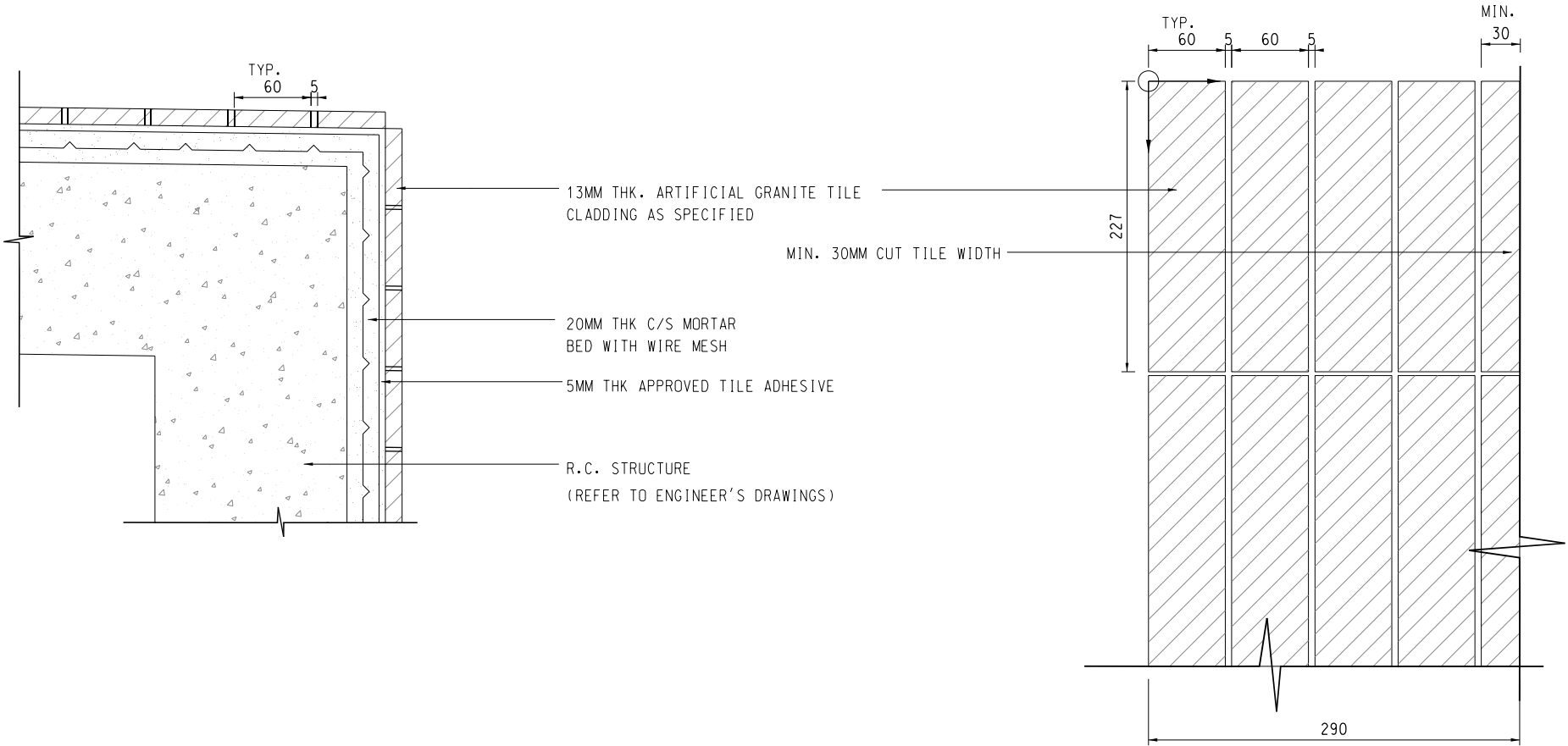


REFERENCE IMAGE
N.T.S.

REFERENCE:					
A	26/10/18	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	08/08/18	ISSUE FOR CONSTRUCTION	JW	PWPS	LL
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - WATER METER CABINET					
SKETCH NO.	CV/2013/08/SK2631A				SCALE AS SHOWN(A3)

NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SKETCH NOS. CV/2013/08/SK2330, SK2418 & SK2631.

LEGEND:
 TILES SETTING OUT POINT



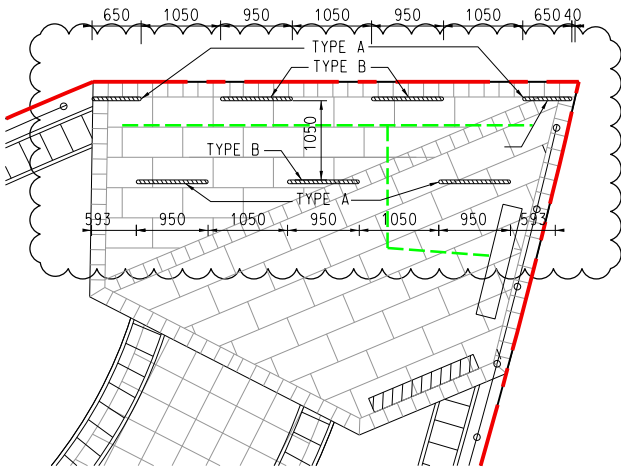
TYPICAL AGT CLADDING INTERFACE
SCALE 1 : 5

TYPICAL AGT CLADDING PATTERN
SCALE 1 : 5

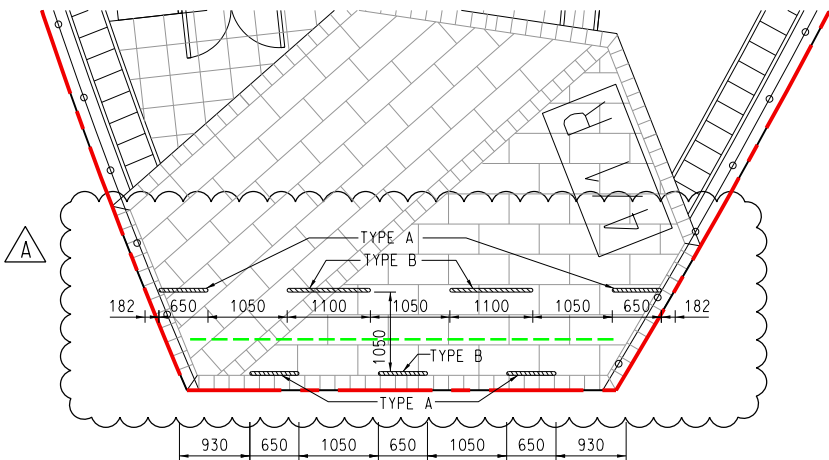
REFERENCE:					
-	10/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - TILE DETAIL MODEL OF WATER METER CABINET					
SKETCH NO.	CV/2013/08/SK2632				SCALE AS SHOWN(A3)



PROPOSED REMOVABLE BOLLARD
FOR WO KENG SHAN GARDEN (REFERENCE IMAGES)



DETAIL 1
N.T.S.



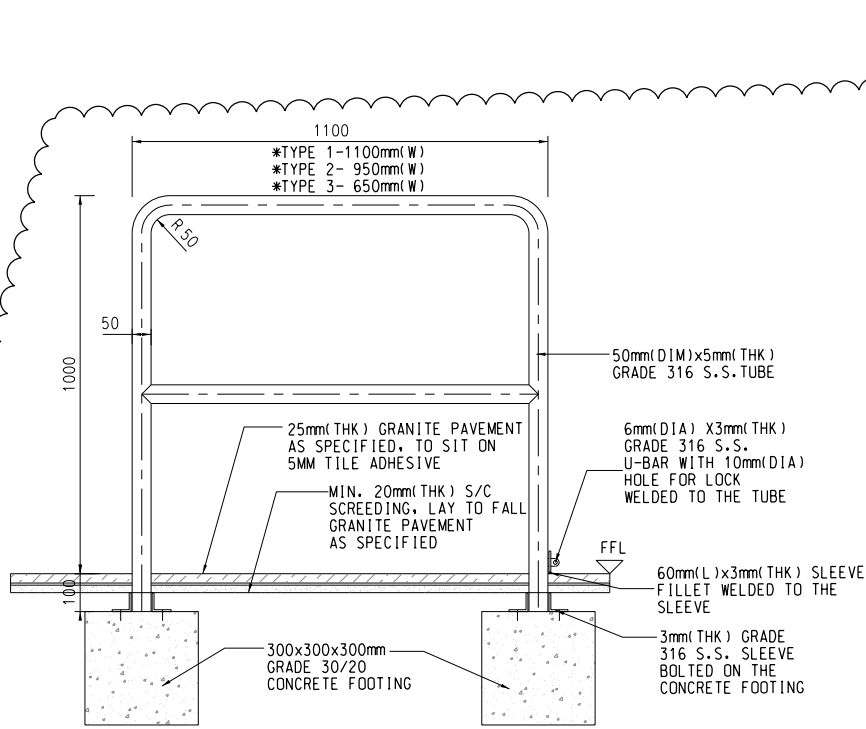
DETAIL 2
N.T.S.

NOTES:

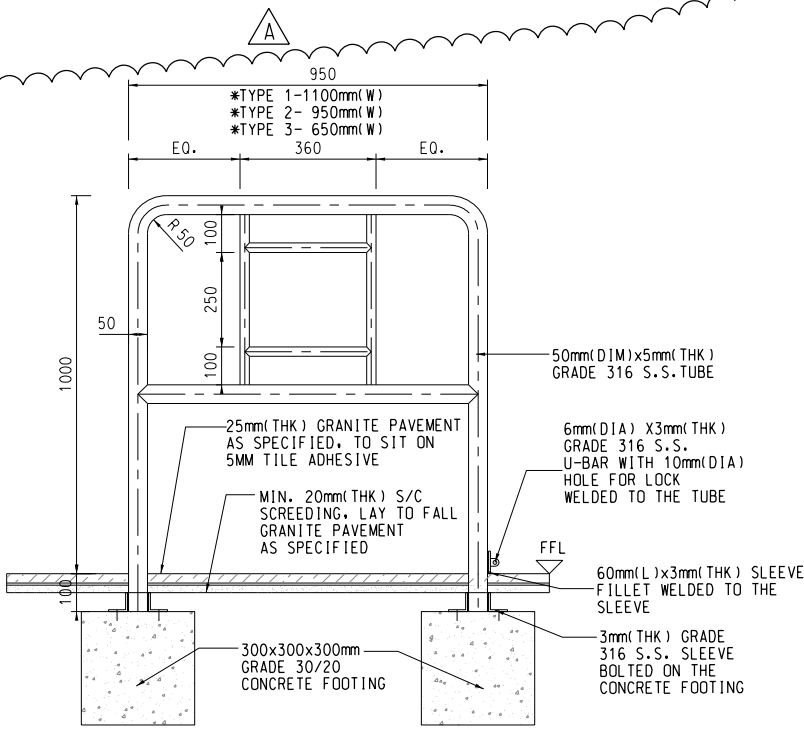
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
2. THIS SKETCH SHALL READ IN CONJUNCTION WITH SKETCH NO. CV/2013/08/SK2418.
3. WELDS TO BE SOUND AND CONTINUOUS AVOIDING LOCKED IN SLAG.
4. WELDS SLAGS TO BE REMOVED IMMEDIAYELY AFTER WELDING.
5. ALL FIXING METHOD AND INSTALLATION DETAIL PROPOSED BY CONTRACTOR FOR APPROVAL.
6. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.

LEGEND:

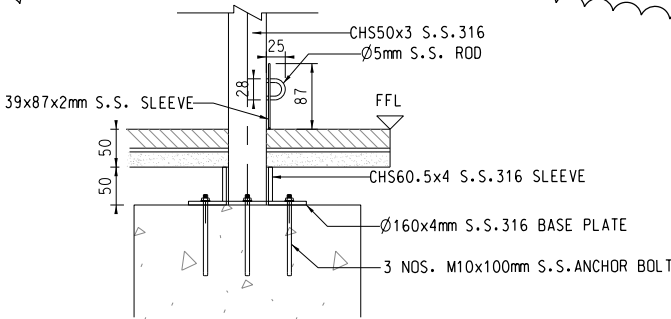
- FFL FINISH FLOOR LEVEL
- PROPOSED REMOVABLE BOLLARD
- PROPOSED TACTILE GUIDE PATH
(LAYOUT TO BE CONFIRMED WITH SPECIALIST CONTRACTOR)
(REFER TO SITE SKETCH NO. CV/2013/08/SK2872, 2873, 2874)



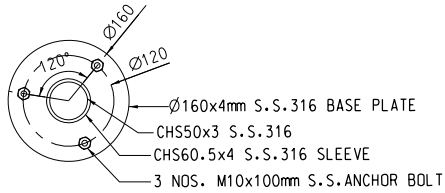
DETAILS OF REMOVABLE RAILING (TYPE A)
SCALE 1 : 20



DETAILS OF REMOVABLE RAILING (TYPE B)
SCALE 1 : 20



TYPICAL LOCK DETAIL
SCALE 1 : 10



TYPICAL BASE PLATE DETAIL
SCALE 1 : 10

REFERENCE:

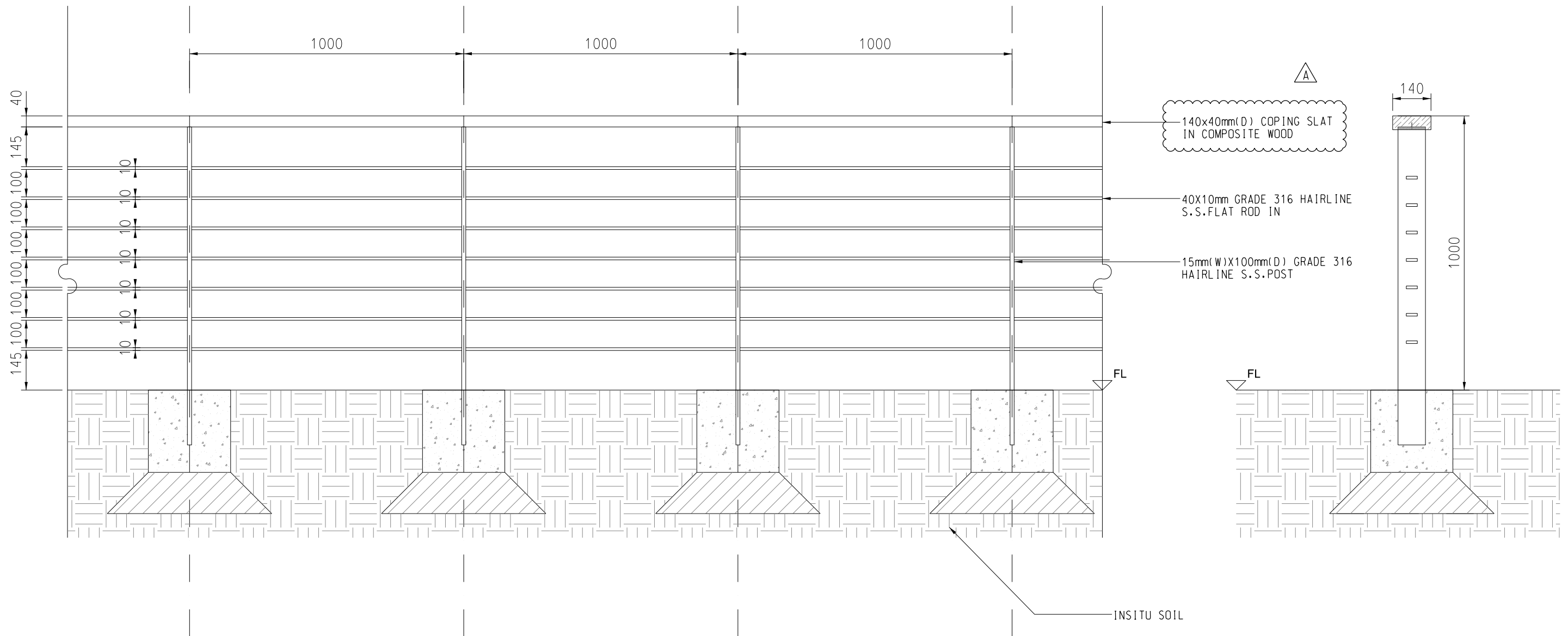
C	26/04/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
B	17/12/18	RESPONSE TO GOVERNMENT COMMENTS	LCP	JCMY	CLSY
A	26/10/18	RESPONSE TO GOVERNMENT COMMENTS	JW	JCMY	CLSY
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION - DETAILS OF
REMOVABLE RAILING

SKETCH NO. CV/2013/08/SK2381C SCALE AS SHOWN(A3)



DETAILS OF RAILING

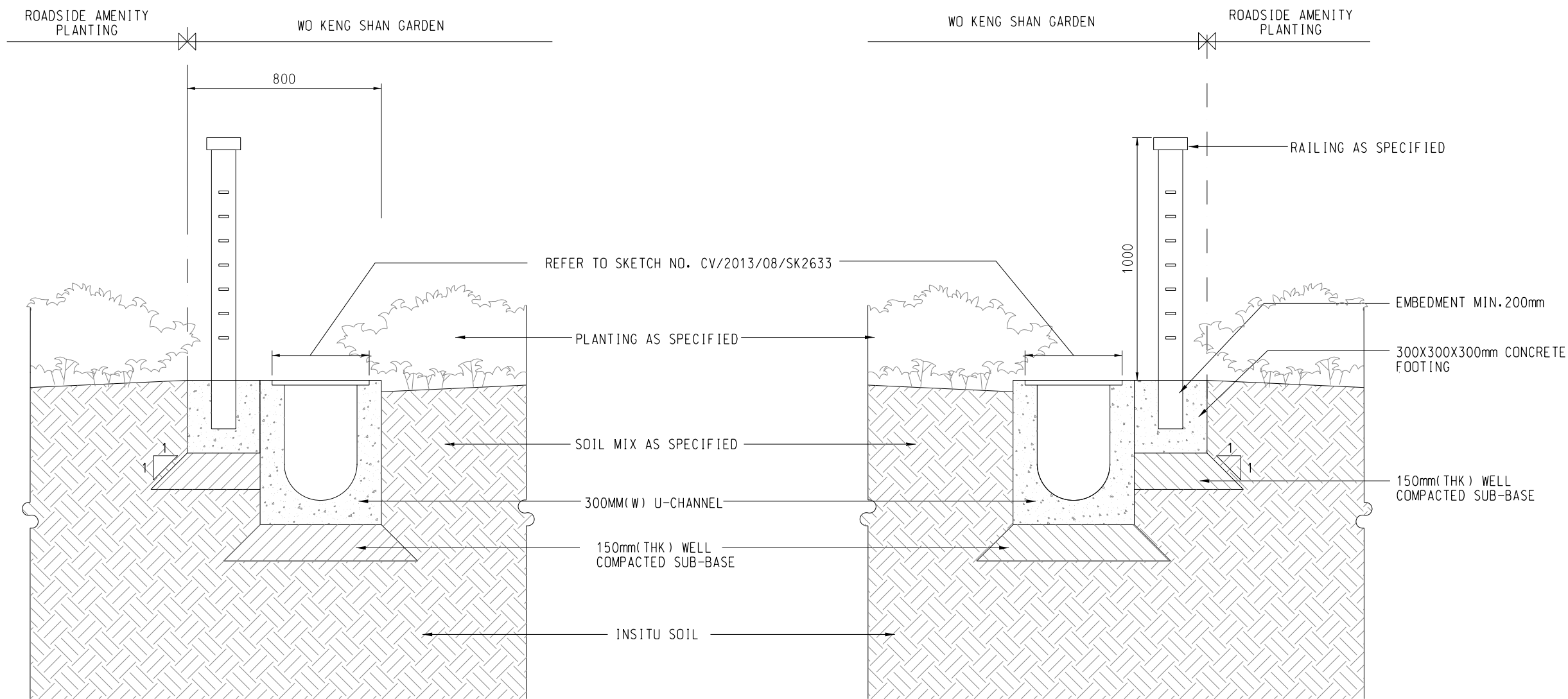
NOTES:

- CONTRACTOR TO SUBMIT SHOP DRAWING OF U-CHANNEL COVER AND THE RAILING FOR APPROVAL.
- THIS SITE SKETCH SHALL READ IN CONJUNCTION WITH SITE SKETCH NO. CV/2013/08/SK2330, SK2383 AND SK2418.
- WELDS SLAGS TO BE REMOVED IMMEDIATELY AFTER WELDING.
- ALL FIXING METHOD AND INSTALLATION DETAIL TO BE PROPOSED BY THE CONTRACTOR FOR APPROVAL.
- ALIGNMENT OF U-CHANNEL SHALL REFER TO SITE SKETCH NO. CV/2013/08/SK2330.
- CONCRETE SHALL BE GRADE 20 OTHERWISE SPECIFIED.
- SPACING OF EXPANSION JOINT IN U-CHANNEL SHALL NOT BE GREATER THAN 10mm.
- A252 MESH PLACED CENTRALLY IN U-CHANNEL.
- PLINTH DETAIL REFER TO SKETCH NO. CV/2013/08/SK2383.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.

REFERENCE:					
1. SUPERSEDE DRG NO. 60212563/C6/L00/1782A					
A	29/04/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF RAILING					
SKETCH NO.	CV/2013/08/SK2382A				SCALE 1 : 15(1:3)

NOTES:

1. CONTRACTOR TO SUBMIT SHOP DRAWING OF THE RAILING FOR APPROVAL.
2. THIS SITE SKETCH SHALL READ IN CONJUNCTION WITH SITE SKETCH NO.CV/2013/08/SK2330, SK2382, SK2418 AND SK2633.
3. WELDS SLAGS TO BE REMOVED IMMEDIATELY AFTER WELDING.
4. ALL FIXING METHOD AND INSTALLATION DETAIL TO BE PROPOSED BY THE CONTRACTOR FOR APPROVAL.
5. ALIGNMENT OF U-CHANNEL SHALL REFER TO SITE SKETCH NO.CV/2013/08/SK2330.
6. CONCRETE SHALL BE GRADE 20 OTHERWISE SPECIFIED.
7. SPACING OF EXPANSION JOINT IN U-CHANNEL SHALL NOT BE GREATER THAN 10mm.
8. A252 MESH PLACED CENTRALLY IN U-CHANNEL.
9. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.

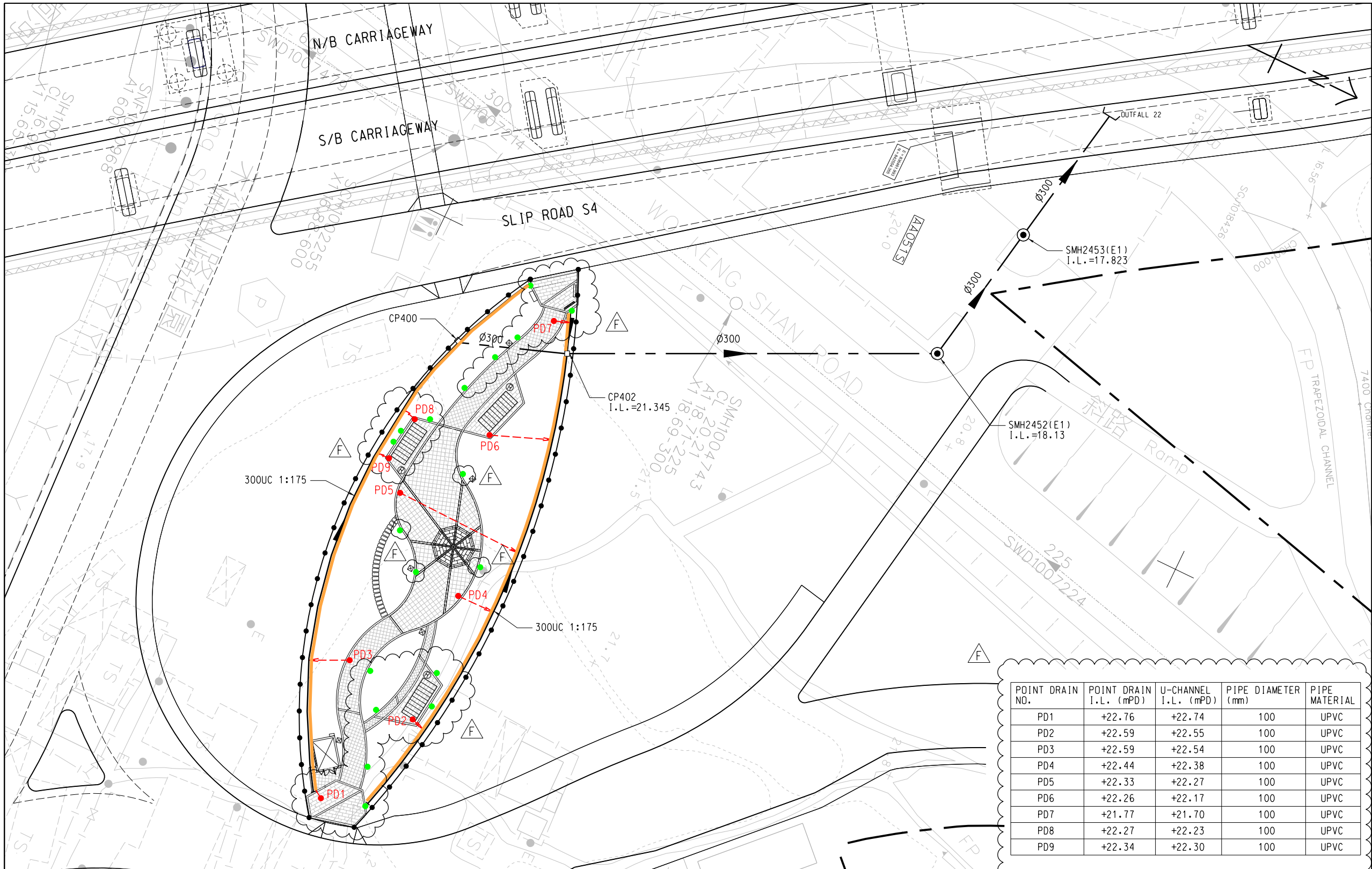


SECTION A - A

SECTION B - B

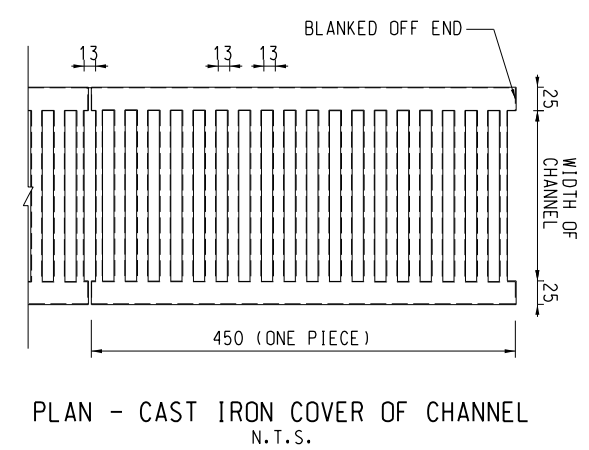
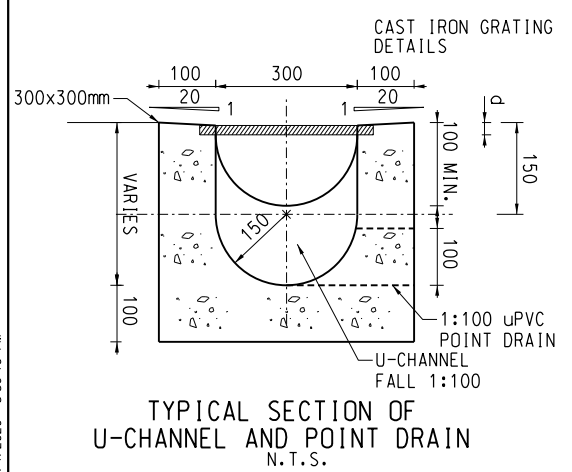
DETAILS OF RAILING AND U-CHANNEL

REFERENCE:				
1. SUPERSEDE DRG NO. 60212563/C6/L00/1782A				
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS
Rev.	Date	Description	Drawn	Prepared
Checked				
AECOM				
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6				
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF RAILING AND U-CHANNEL				
SKETCH NO.	CV/2013/08/SK2383			SCALE 1 : 20(1:3)

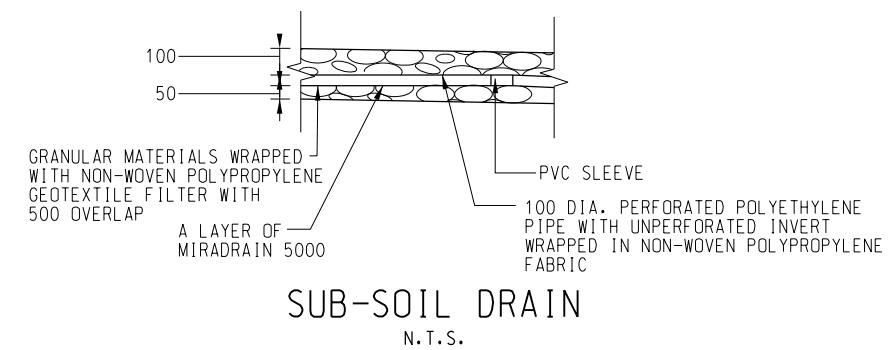


- NOTES:**
- FOR GENERAL NOTES AND ABBREVIATIONS, REFER TO DRAWING NO. 60212563/C6/D00/1360.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING NOS. 60212563/C6/D00/1302 TO 1322.
 - FOR MANHOLE SCHEDULE, REFER TO DRAWING NOS. 60212563/C6/D00/1351 TO 1357.
 - FOR DETAILS OF TEMPORARY PLUG, REFER TO DRAWING NO. 60212563/C6/D00/1360.
- LEGEND:**
- STORMWATER MANHOLE
 - CATCHPIT
 - U CHANNEL WITH MEDIUM DUTY COVER
 - INLET / OUTLET
 - POINT DRAIN (CAST IRON FLAT GRATING AND 100mm DIA. PIPE TO U-CHANNEL)
 - SUB-SOIL DRAIN AT 750mm DEPTH CONNECTING TO CATCHPIT CP402
 - PROPOSED ADDITIONAL OF 20mm GAP IN BETWEEN THE PLANTER KERBS

POINT DRAIN NO.	POINT DRAIN I.L. (mPD)	U-CHANNEL I.L. (mPD)	PIPE DIAMETER (mm)	PIPE MATERIAL
PD1	+22.76	+22.74	100	UPVC
PD2	+22.59	+22.55	100	UPVC
PD3	+22.59	+22.54	100	UPVC
PD4	+22.44	+22.38	100	UPVC
PD5	+22.33	+22.27	100	UPVC
PD6	+22.26	+22.17	100	UPVC
PD7	+21.77	+21.70	100	UPVC
PD8	+22.27	+22.23	100	UPVC
PD9	+22.34	+22.30	100	UPVC



TYPE	d (mm)
MEDIUM DUTY	25



REFERENCE:

F	06/04/20	MINOR MAMNDMENT	JW	LYCM	BL
E	08/02/19	MINOR MAMNDMENT	KLKK	RTHL	CLSY
D	28/12/18	MINOR MAMNDMENT	JW	JCMY	CLSY
C	18/12/18	MINOR MAMNDMENT	KLKK	JCMY	CLSY
B	09/10/18	RESPONSE TO GOVERNMENT'S COMMENTS	LKK	JCMY	CLSY
A	09/10/18	RESPONSE TO GOVERNMENT'S COMMENTS	LKK	CYX	BL
-	10/08/18	ISSUE FOR CONSTRUCTION	LKK	CYX	BL
Rev.	Date	Description	Drawn	Prepared	Checked

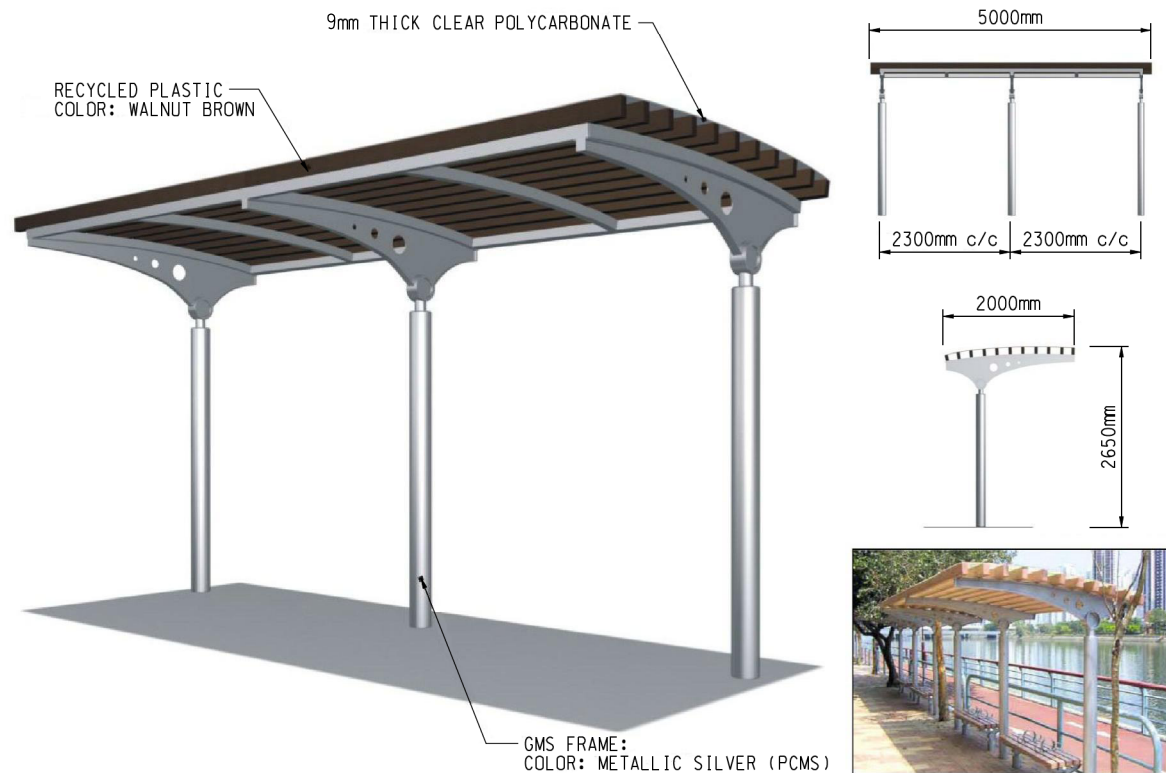
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

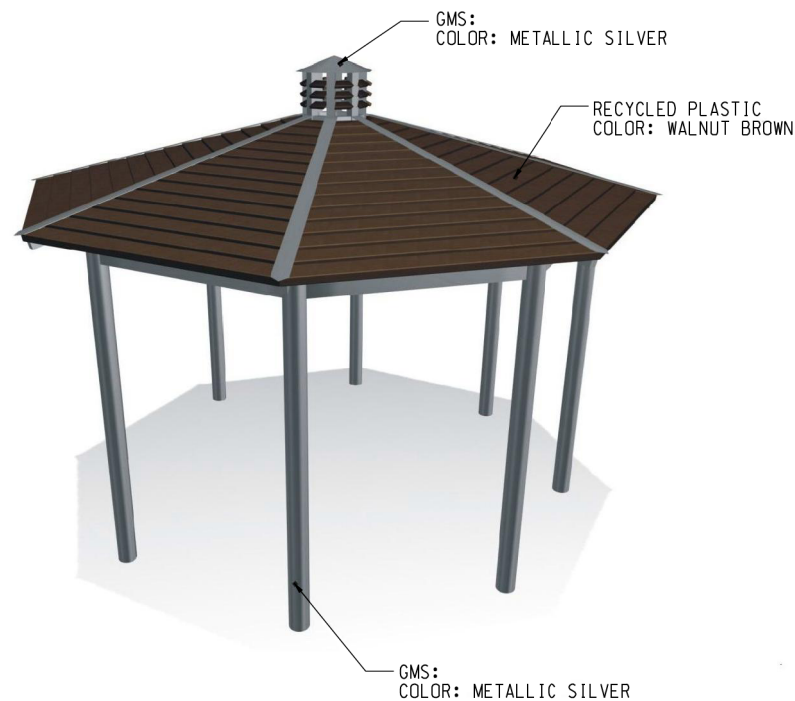
TITLE: DETAILED DRAINAGE SYSTEM AT WO KENG SHAN GARDEN

SKETCH NO.	CV/2013/08/SK2633F	SCALE	1:500 (A3)
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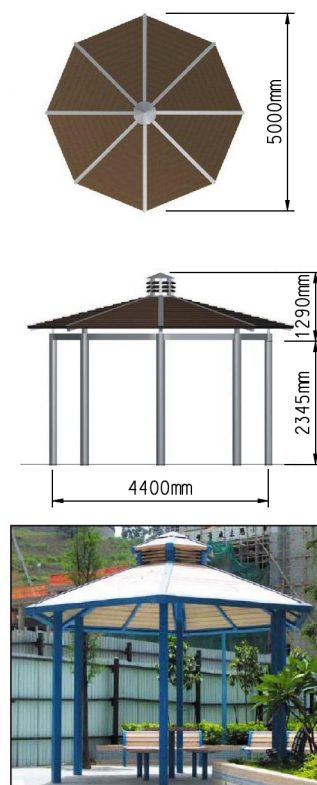
5/4/2020 3:36:40 PM



PERGOLA



PAVILION



SPECIFICATIONS:

PAVILION

SIZE : DIA.5000mm X 3635mm(H)
FEATURE : OCTAGONAL ROOF SHAPE COVER WITH 3 LEVEL
MATERIAL : GMS FRAMEWORK WITH SAND BLASTING AND ZINC
SPRAYED ANTI-CORROSIVE TREATMENT
MATERIAL : RECYCLED PLASTIC SLATS ROOF COVER
MATERIAL : 9mm THICK CLEAR POLYCARBONATE
FINISH : 2-COMPONENT PU PAINT
INSTALLATION : IN-GROUND FIXING

BENCH FOR PAVILION - 2 SEATERS

SIZE : 1200mm(L) X 600mm(W) X 80mm(H)
MATERIAL : METAL FRAME BODY WITH RECYCLED
PLASTIC SLAT SEAT
FINISH : 2-COMPONENT PU PAINT
INSTALLATION : IN-GROUND FIXING

PERGOLA

SIZE : 5000mm(L) X 2000mm(W) X 2650mm(H)
FEATURE : ARCH SHAPE EDGE ON THE TOP WITH 3 DIFFERENCE
SIZE HOLES ON SIDE
MATERIAL : GMS SUPPORTING FRAMEWORK WITH SAND BLASTING
AND ZINC SPRAYED ANTI-CORROSIVE TREATMENT
MATERIAL : RECYCLED PLASTIC SLATS ROOF COVER
MATERIAL : 9mm THICK CLEAR POLYCARBONATE
FINISH : 2-COMPONENT PU PAINT
INSTALLATION : IN-GROUND FIXING

BENCH FOR PERGOLA - 3 SEATERS

SIZE : 1800mm(L) X 600mm(W) X 80mm(H)
MATERIAL : METAL FRAME BODY WITH RECYCLED
PLASTIC SLAT SEAT
FINISH : 2-COMPONENT PU PAINT
INSTALLATION : IN-GROUND FIXING

LITTER BIN

SIZE : DIA.430mm X 1080mm(H)
FEATURE : CYLINDRICAL BIN WITH SIDE DOOR AND
4 SUPPORTING POST
MATERIAL : 3mm THICK STEEL SHEET BODY PAINTED IN BLACK
WITH 20mm THICK COMPOSITE WOOD
MATERIAL : GMS FRAMEWORK AND COVER WITH SAND BLASTING
AND ZINC SPRAYED ANTI-CORROSIVE TREATMENT
FINISH : 2-COMPONENT PU SPRAY PAINT
INSTALLATION : IN-GROUND FIXING



REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1784

E	25/06/19	ISSUE FOR CONSTRUCTION	JW	BL	CLSY
D	15/03/19	ISSUE FOR CONSTRUCTION	JW	JTMC	CLSY
C	17/12/18	RESPONSE TO GOVERNMENTS COMMENTS	LCP	JCMY	CLSY
B	26/10/18	RESPONSE TO GOVERNMENTS COMMENTS	JW	JCMY	CLSY
A	03/10/18	RESPONSE TO GOVERNMENTS COMMENTS	JW	JCMY	CLSY
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

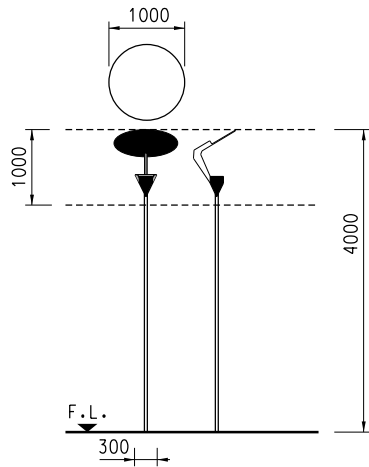
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION - DETAILS OF
PARK FURNITURE

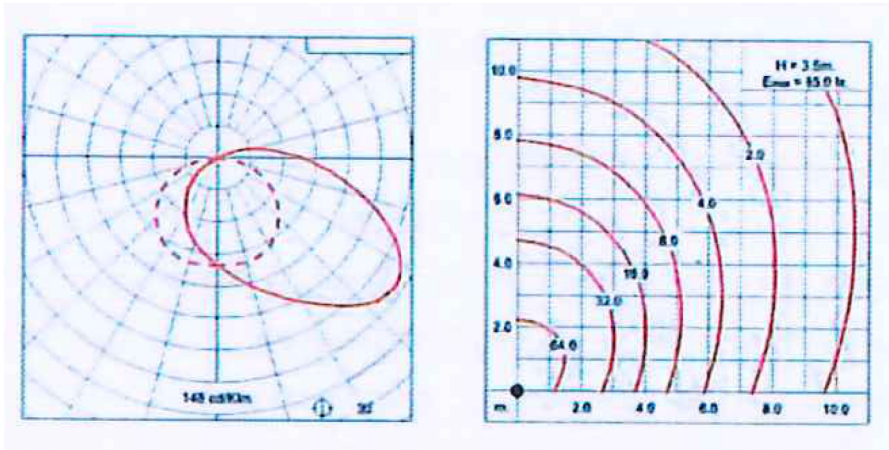
SKETCH NO. CV/2013/08/SK2384E

SCALE
N.T.S.

TECHNICAL SPECIFICATION



POLE LIGHT DETAIL
SCALE 1 : 50



LAMP
150W MH G12
ELECTRICAL SPECIFICATION
LOW LOSS BALLAST, CONNECTED LOAD: 45W

- 68D410PC/U72 Indirect Pole Top Light**
- ADVANTAGES**
- Architectural stylish appearance
 - Glare free, soft light
- FEATURES**
- Asymmetrical indirect light distribution
 - Light is directed upward by primary reflector and redirected downward by white reflecting disc
- APPLICATION**
- Open area, street, square.
- CHARACTERISTICS**
- Designed and manufactured to comply EN 60598
 - IP65 weatherproof protection
 - Input voltage: 220-240V 50/60Hz
 - Lamp type: LED and ceramic metal halide
 - Die-cast aluminium body with internal primary aluminium reflector, tempered front glass lens
 - Secondary reflector is made of injected glass reinforced fibre with white coated aluminium reflector
 - Extruded aluminium lamp pole can be supplied separately

NOTE:
1. CONTRACTOR TO SUBMIT LIGHTING
FIXTURE INSTALLATION DETAIL FOR APPROVAL.

REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1783

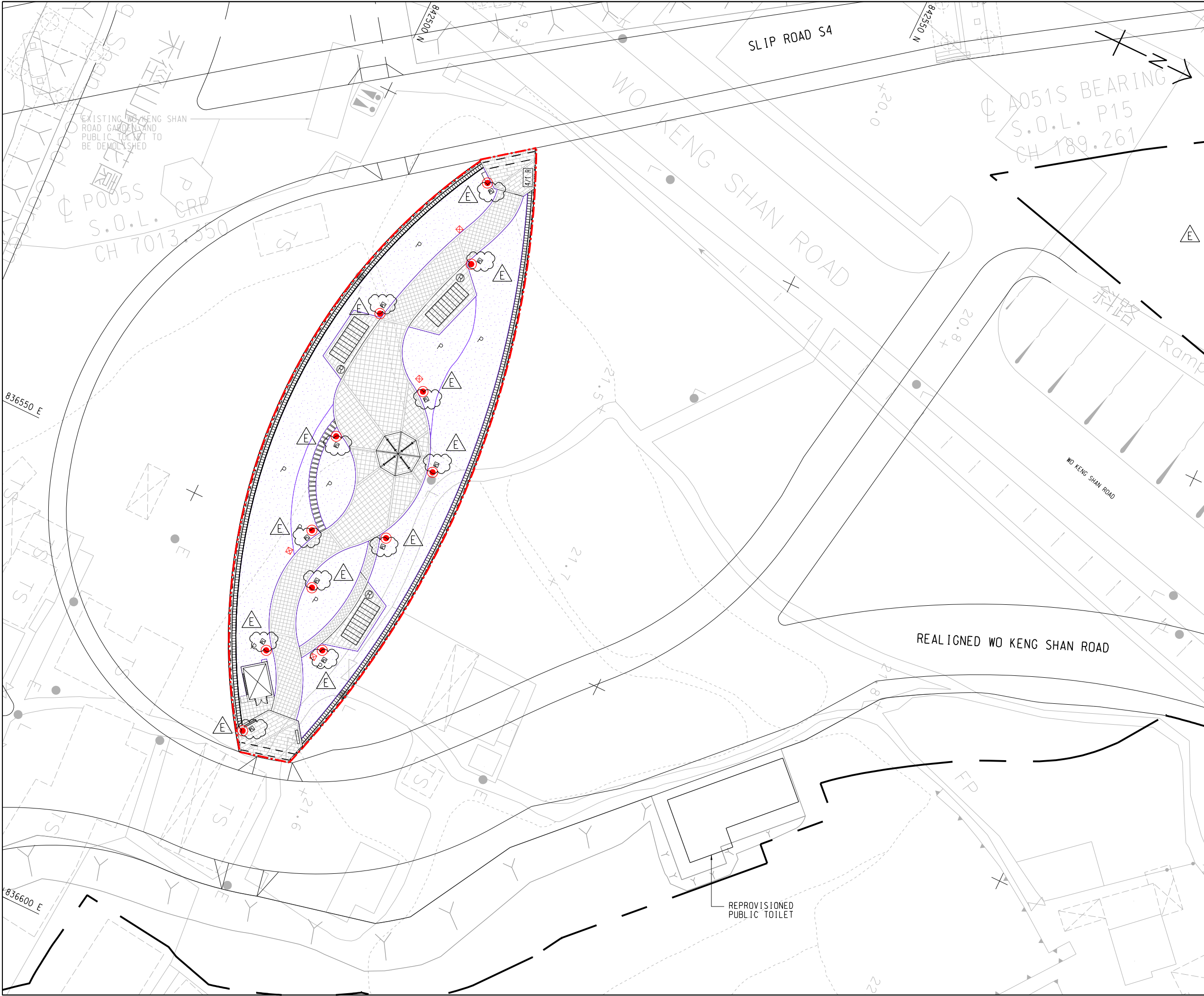
A	11/05/20	ISSUE FOR CONSTRUCTION	JW	LYCM	CLSY
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION -
DETAILS OF LIGHTING

SKETCH NO.	CV/2013/08/SK2385A	SCALE N.T.S.
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SHAN TONG
MA MEI HA

LOCATION PLAN
SCALE 1 : 15000

NOTE:

- CONTRACTOR TO SUBMIT LUX LEVEL DISTRIBUTION DIAGRAM FOR APPROVAL.
- CONCRETE SKIRTING OF 300MM HEIGHT FOR LAMP POLE FOOTING SHALL BE PROVIDED.

LEGEND:

- RE-PROVIDED WO KENG SHAN GARDEN SITE BOUNDARY
- PROPOSED PAVILION (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2384.)
- PROPOSED STEPPING STONE (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2379.)
- PROPOSED PERGOLA (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2384.)
- PROPOSED PLANTING AREA
- PROPOSED IRRIGATION POINT WITH HOSE FIXTURE
- PROPOSED RUBBISH BIN
- PROPOSED 4 IN 1 RUBBISH BIN
- GARDEN LIGHT
- 28w LED TUBE
- LIGHTING DRAW PIT 500L x 500W x 650D

REFERENCE:

E	20/11/19	ISSUE FOR CONSTRUCTION	LCP	PWPS	CLSY
D	27/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
C	14/02/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
B	18/12/18	ISSUE FOR CONSTRUCTION	KLKK	PWPS	LL
A	19/06/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	07/06/16	ISSUE FOR CONSTRUCTION	JW	PWPS	LL

Rev.	Date	Description	Drawn	Prepared	Checked
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AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE: WO KENG SHAN GARDEN -ELECTRICAL SERVICES- LIGHTING LAYOUT


SKETCH NO.	CV/2013/08/SK1519E	SCALE	1:400 (A3)
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11/26/2019 5:27:26 PM

1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
2. THIS SKETCH SHALL READ IN CONJUNCTION WITH SKETCH NO. CV/2013/08/SK2418.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.



DETAILS OF NOTICE BOARD
SCALE 1 : 15

REFERENCE:				
1. SUPERSEDE DRG NO. 60212563/C6/L00/1783				
C	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY CLSY
B	11/04/19	ISSUE FOR CONSTRUCTION	LKK	JTMC CLSY
A	03/10/18	ISSUE FOR CONSTRUCTION	JW	JCMY CLSY
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS CLSY
Rev.	Date	Description	Drawn	Prepared Checked
				
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6				
TITLE: WO KENG SHAN GARDEN REPROVISION - DETAILS OF NOTICE BOARD				
SKETCH NO. CV/2013/08/SK2386C			SCALE AS SHOWN (A3)	

1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
2. THIS SKETCH SHALL READ IN CONJUNCTION WITH SKETCH NO. CV/2013/08/SK2418.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.



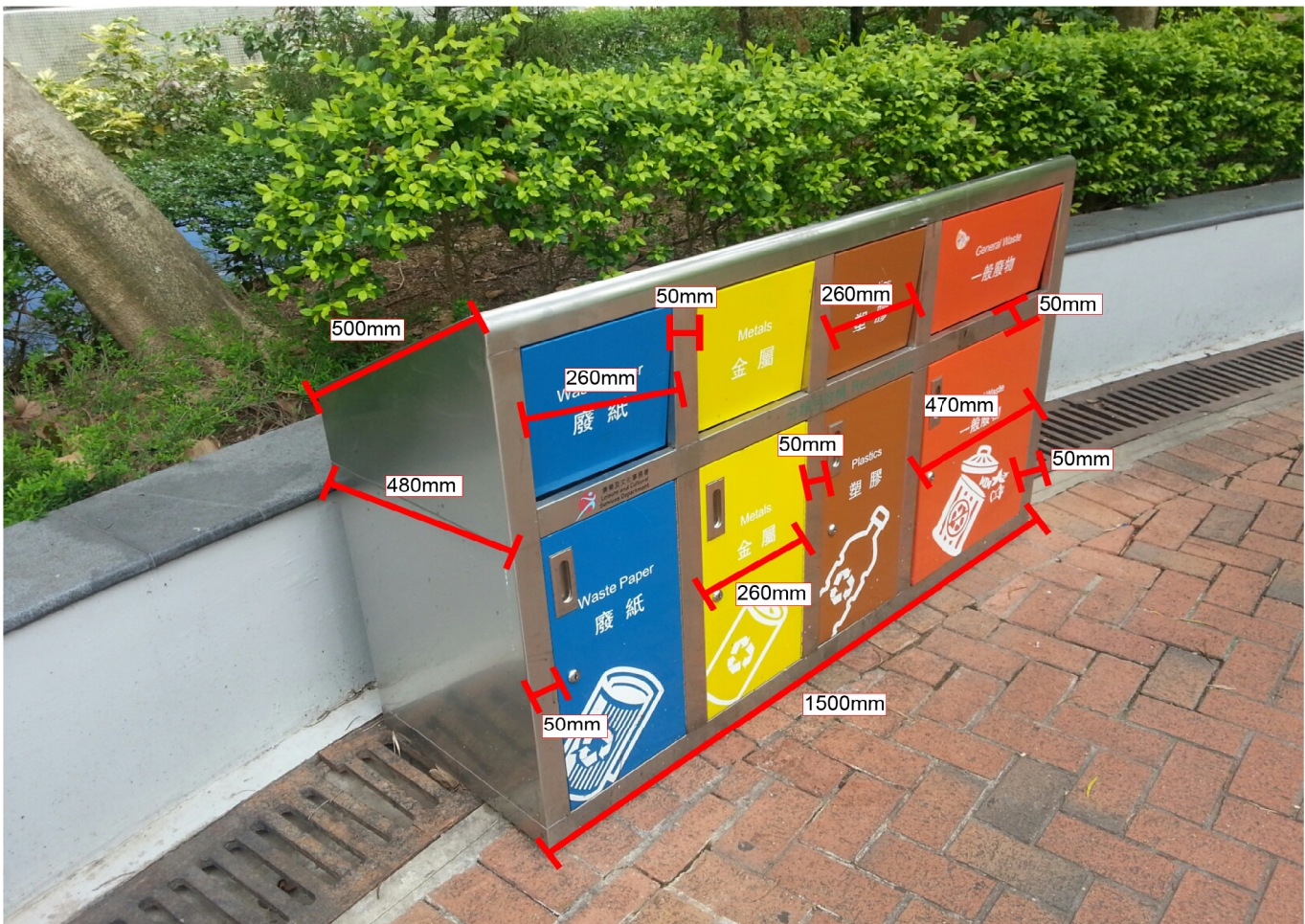
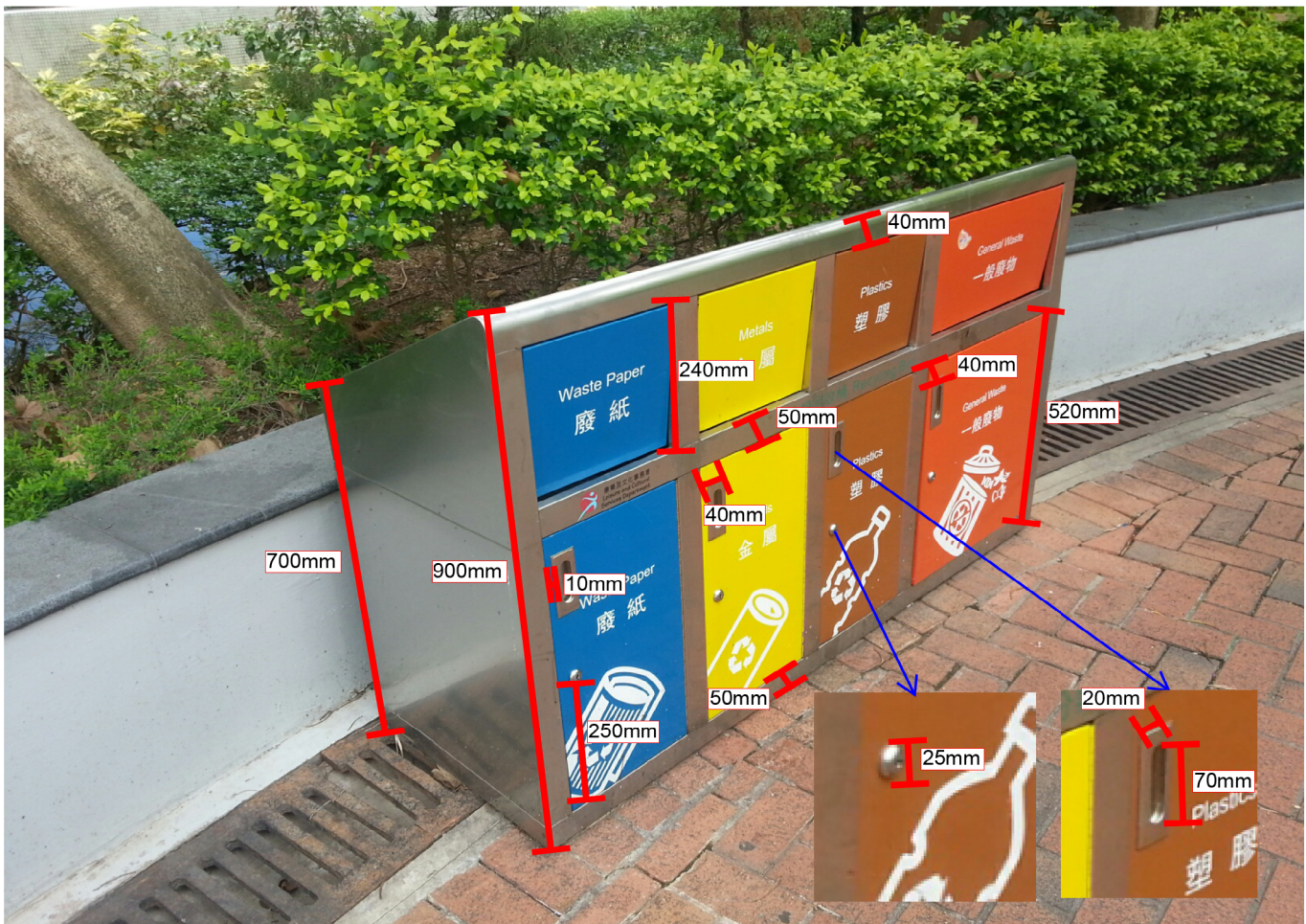
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION -
DETAILS OF SITE MAP

SKETCH NO.	CV/2013/08/SK2488C	SCALE N.T.S.
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NOTES:

1. CONTRACTOR TO SOURCE AND SUBMIT FURNITURE CATALOGUE FOR APPROVAL.



PROPOSED 4-IN-1 RECYCLING AND RUBBISH BIN
(REFERENCE IMAGES)

REFERENCE:

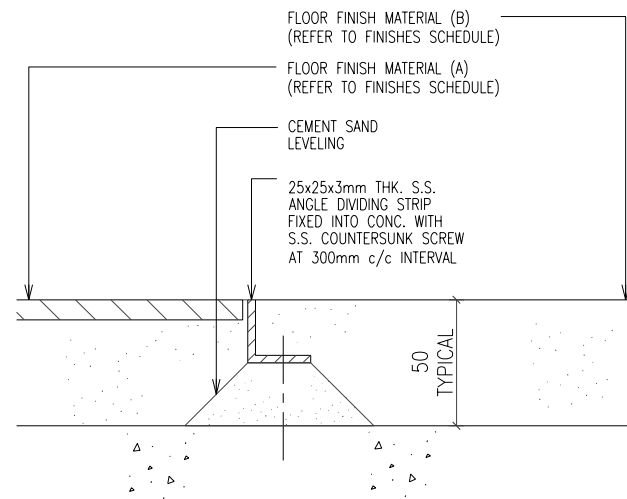
A	15/08/18	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	22/06/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

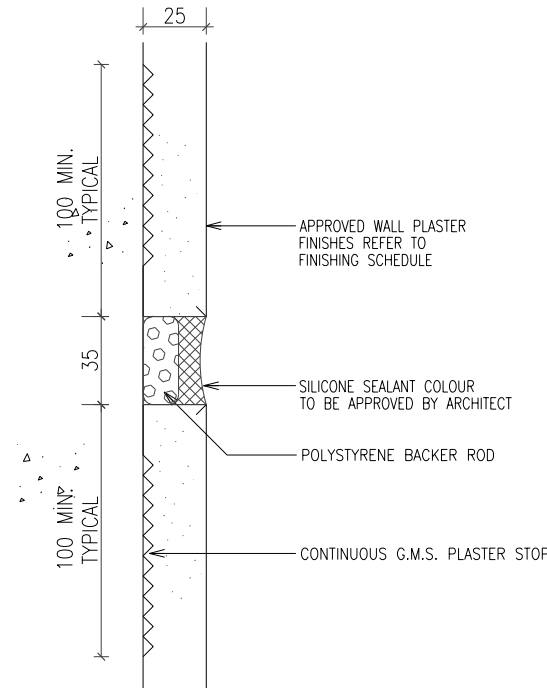
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION - DETAILS OF
4-IN-1 RECYCLING AND RUBBISH BIN

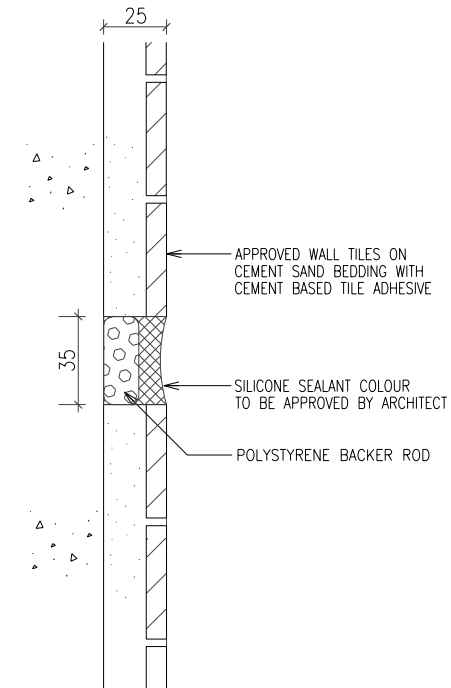
SKETCH NO. CV/2013/08/SK2502A SCALE N.T.S.



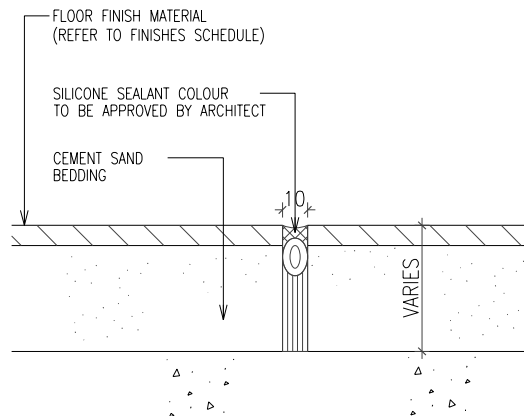
① TYPICAL JUNCTION DETAIL OF BETWEEN DIFFERENT FLOOR FINISHES



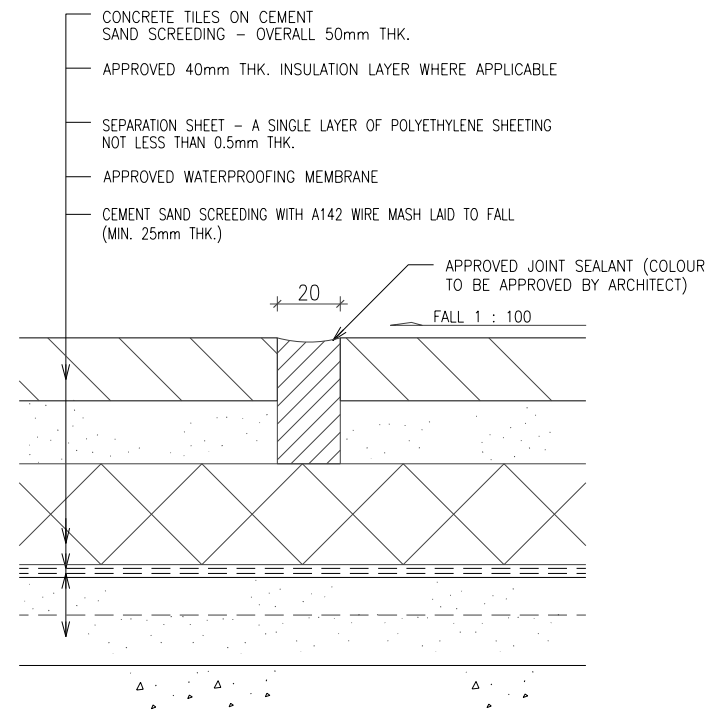
② TYPICAL DETAIL OF WALL MOVEMENT JOINT (WITH WALL PLASTER FINISHED)



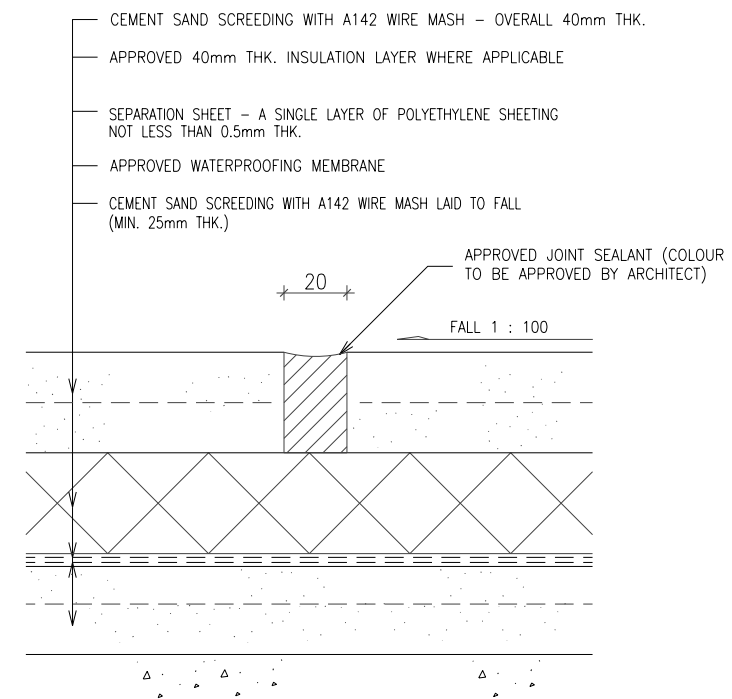
③ TYPICAL DETAIL OF WALL MOVEMENT JOINT (WITH WALL TILE FINISHED)



④ TYPICAL DETAIL OF FLOOR MOVEMENT JOINT
(REFER TO ARCHITECTURAL LAYOUT FOR POSITION OF MOVEMENT JOINTS OTHERWISE PROVIDE JOINT AT APPROX. 4M SPACING)



⑤ TYPICAL DETAIL OF MOVEMENT JOINT FOR CONCRETE TILE FINISH AT ROOF
(REFER TO ARCHITECTURAL LAYOUT FOR POSITION OF MOVEMENT JOINTS OTHERWISE CONTRACTOR TO SUBMIT SHOP DRAWINGS OF JOINT LAYOUT AT APPROX. 4m SPACING FOR ARCHITECT'S APPROVAL.)



⑥ TYPICAL DETAIL OF MOVEMENT JOINT FOR CEMENT SAND FINISH AT ROOF
(REFER TO ARCHITECTURAL LAYOUT FOR POSITION OF MOVEMENT JOINTS OTHERWISE CONTRACTOR TO SUBMIT SHOP DRAWINGS OF JOINT LAYOUT AT APPROX. 4m SPACING FOR ARCHITECT'S APPROVAL.)

- 1.1 TO BE READ IN CONJUNCTION WITH PARTICULAR SPECIFICATION AND CONDITIONS OF CONTRACT AND WITH RELATED PLANS AND DRAWINGS.
- 1.2 MEASUREMENT TO EXISTING WORKS TO BE CHECKED ON SITE BY CONTRACTOR.
- 1.3 WRITTEN DIMENSIONS TO BE USED: DO NOT SCALE.
- 1.4 UNLESS OTHERWISE INDICATED ALL LEVELS ARE RELATIVE TO HONG KONG PRINCIPAL DATUM.
- 1.5 DRAWING ONLY VALID FOR CONSTRUCTION PURPOSE IF SO ENDORSED.
- 1.6 ALL CABLE BASEMENTS, WATER TANKS, MANHOLES AND TUNNELS SHOULD BE TREATED AS CONFINED SPACE. WORKS AND INSPECTIONS ARE TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE LATEST LEGISLATION.
2. ALL CONNECTIONS FOR METAL WORKS TO BE CONTINUOUSLY WELDED EXCEPT TO OTHERWISE INDICATED.
3. ALL WELDED JOINTS TO BE GROUND SMOOTH.
4. ALL METAL WORKS TO BE HOT DIP GALVANIZED TO B.S. 729 WITH MIN. ZINC DEPOSIT OF 300g/m² & TO BE PAINTED AS SPECIFIED IN GENERAL SPECIFICATION.
5. ALL WELDINGS TO COMPLY WITH B.S. 639, 1976 & B.S. 5135, 1974 HAVING A MINIMUM WELD STRENGTH OF 115N/mm².
6. ALL STAINLESS STEEL TO BE OF 316 QUALITY.
7. ALL STEEL ELEMENTS TO BE GRADE 43 MILD STEEL COMPLYING WITH REQUIREMENTS OF B.S. 4360, 1979.
8. THIS DRAWING SHOWS DESIGN INTENT ONLY. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS TO ARCHITECTS & ENGINEERS FOR APPROVAL.

REFERENCE:

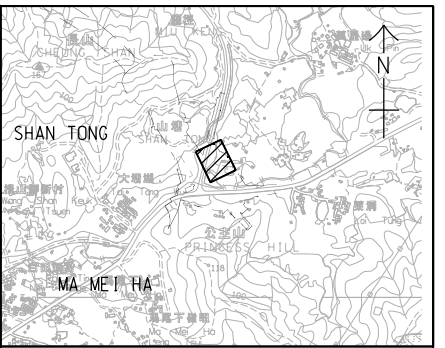
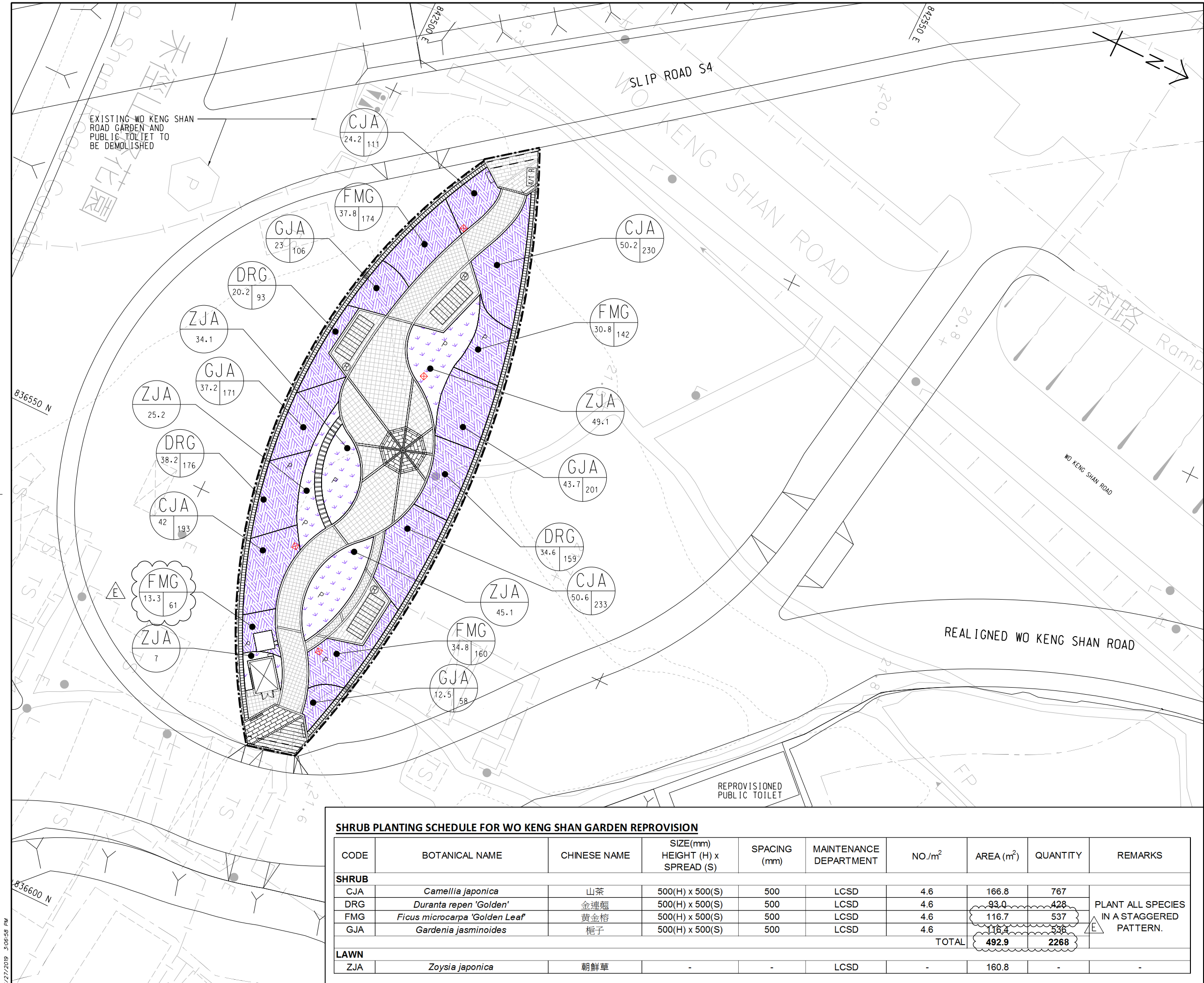
Rev.	Date	Description	Drawn	Prepared	Checked
-	02/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION -
TYPICAL MOVEMENT JOINT DETAILS

SKETCH NO. CV/2013/08/SK2393 SCALE 1 : 3 (A3)



LOCATION PLAN
SCALE 1 : 15000

NOTES:

1. ALL TREES PITS ARE AT LEAST 1mx1m.
2. READ IN CONJUNCTION WITH THE GENERAL NOTES IN SKETCH NO.CV/2013/08/SK1915.

- LEGEND:**
- RE-PROVIDED WO KENG SHAN GARDEN
 - COMPACTED FILL SLOPE
 - PROPOSED PAVILION (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2384.)
 - PROPOSED STEPPING STONE (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2379.)
 - PROPOSED PERGOLA (DETAIL REFER TO SKETCH NO. CV/2013/08/SK2384.)
 - PROPOSED SHRUB PLANTING
 - SPECIES QUANTITY OF PLANT AREA m²
 - PROPOSED LAWN

REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1781

E	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
D	14/02/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
C	18/12/18	ISSUE FOR CONSTRUCTION	KLKK	JCMY	CLSY
B	15/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
A	20/02/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	06/09/17	ISSUE FOR CONSTRUCTION	HHL	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

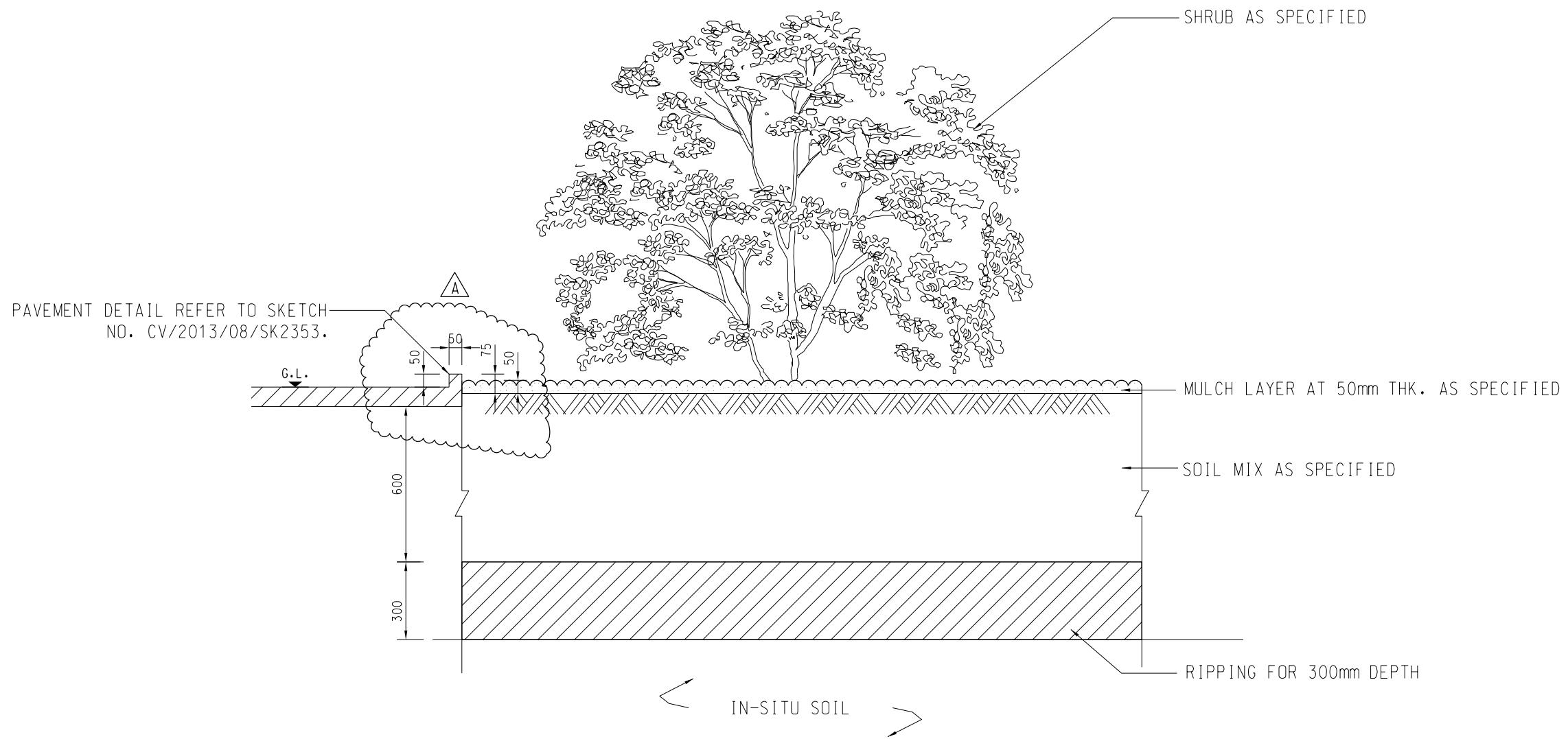
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION -
SHRUB PLANTING PLAN AND SCHEDULE

SKETCH NO. CV/2013/08/SK1672E
SCALE 1 : 400 (A3)

SHRUB PLANTING SCHEDULE FOR WO KENG SHAN GARDEN REPROVISION									
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	MAINTENANCE DEPARTMENT	NO./m ²	AREA (m ²)	QUANTITY	REMARKS
SHRUB									
CJA	<i>Camellia japonica</i>	山茶	500(H) x 500(S)	500	LCSD	4.6	166.8	767	PLANT ALL SPECIES IN A STAGGERED PATTERN.
DRG	<i>Duranta repen 'Golden'</i>	金連翹	500(H) x 500(S)	500	LCSD	4.6	93.0	428	
FMG	<i>Ficus microcarpa 'Golden Leaf'</i>	黃金榕	500(H) x 500(S)	500	LCSD	4.6	116.7	537	
GJA	<i>Gardenia jasminoides</i>	梔子	500(H) x 500(S)	500	LCSD	4.6	116.4	536	
TOTAL							492.9	2268	
LAWN									
ZJA	<i>Zoya japonica</i>	朝鮮草	-	-	LCSD	-	160.8	-	-



TYPICAL PLANTING DETAIL FOR SHRUB
(AT GRADE)
SCALE 1 : 20

REFERENCE:

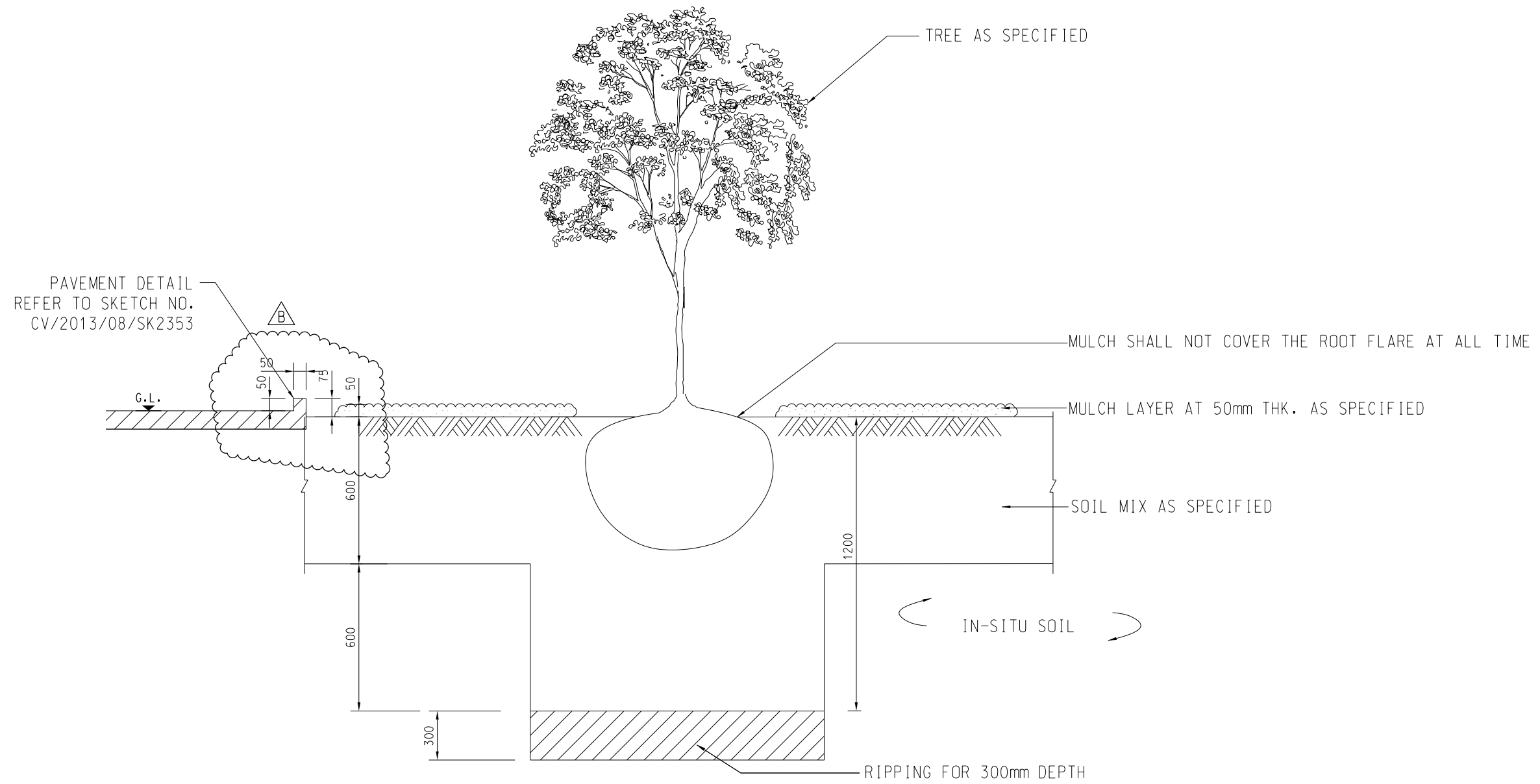
A	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLS Y
-	08/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLS Y
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

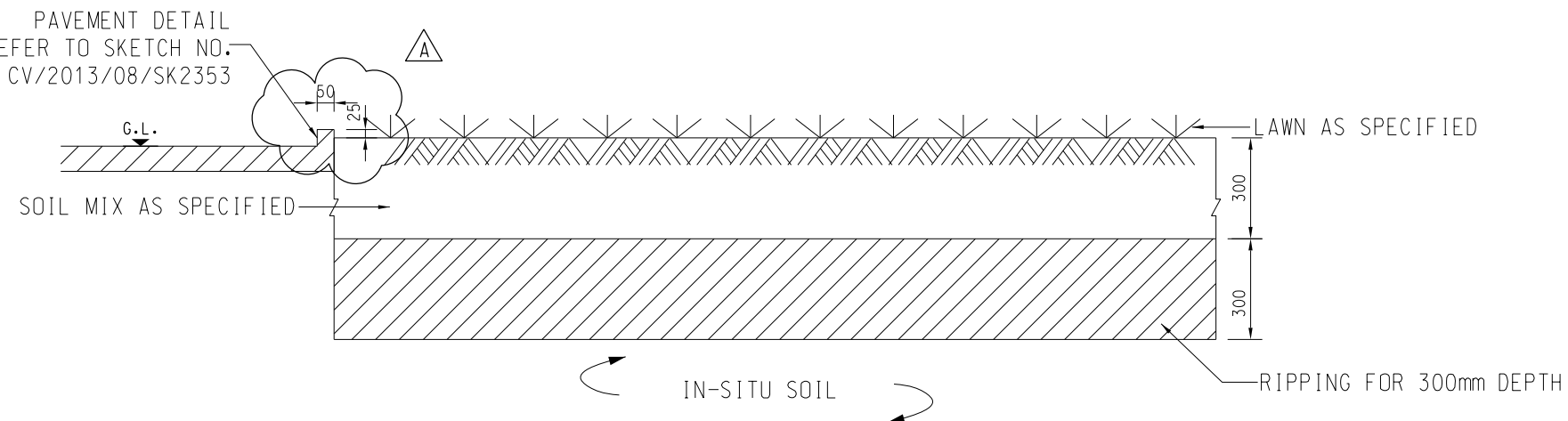
TITLE: WO KENG SHAN
GARDEN REPROVISION - TYPICAL
PLATING DETAIL FOR SHRUB

SKETCH NO. CV/2013/08/SK2395A SCALE
1 : 20 (A3)

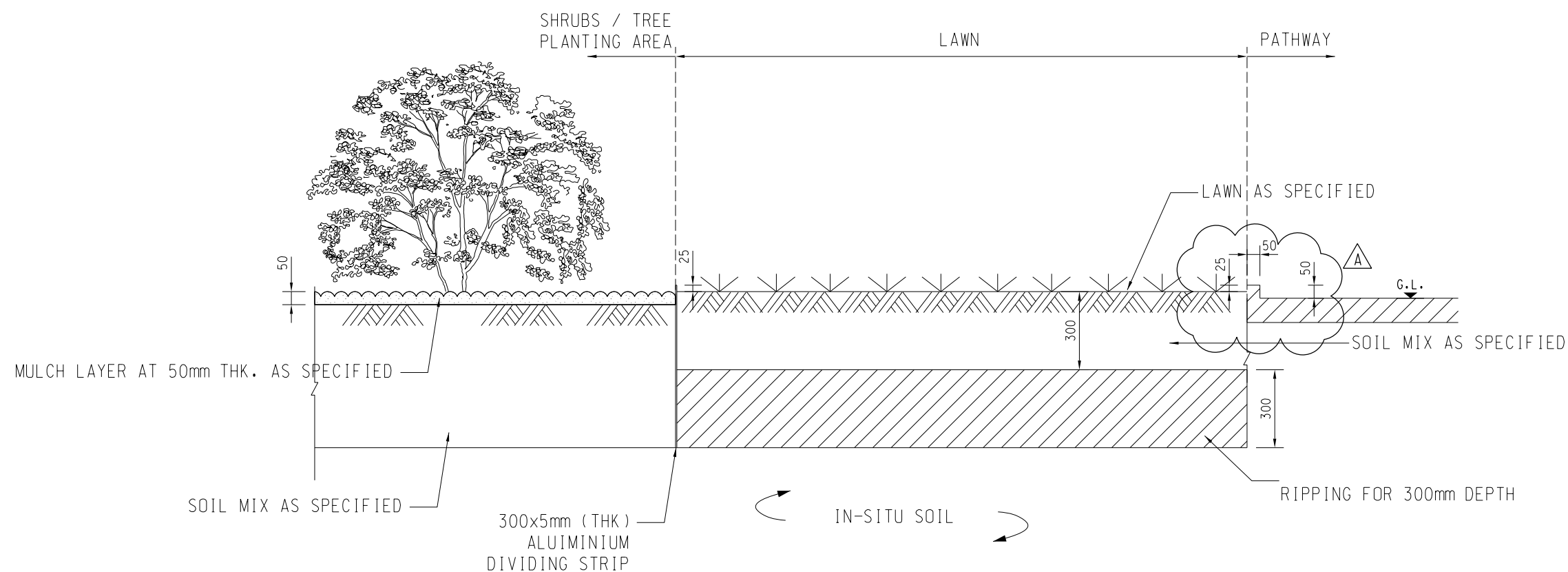


REFERENCE:					
B	24/06/19	RESPONSE TO GOVERNMENTS COMMENTS	JW	JTMC	CLSY
A	26/11/18	RESPONSE TO GOVERNMENTS COMMENTS	JW	JTMC	CLSY
-	08/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: WO KENG SHAN GARDEN REPROVISION - TYPICAL TREE PLANTING DETAIL (AT GRADE)					
SKETCH NO. CV/2013/08/SK2396B			SCALE 1 : 20 (A3)		

PAVEMENT DETAIL
REFER TO SKETCH NO.
CV/2013/08/SK2353



TYPICAL PLANTING DETAIL '1' FOR LAWN (AT GRADE)
SCALE 1 : 20



TYPICAL PLANTING DETAIL '2' FOR LAWN (AT GRADE)
SCALE 1 : 20

REFERENCE:

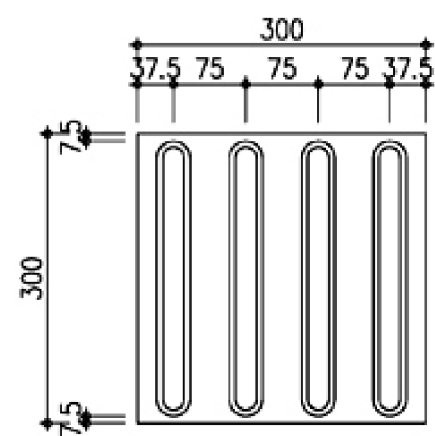
A	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	14/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

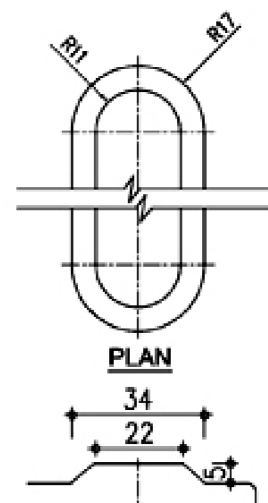
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN REPROVISION -
TYPICAL PLANTING DETAIL FOR LAWN

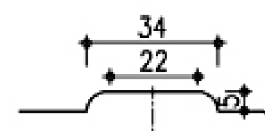
SKETCH NO. CV/2013/08/SK2414A SCALE
1 : 20 (A3)



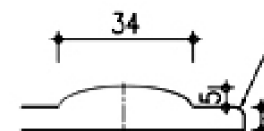
DIRECTIONAL TILE / BLOCK



TYPE 1



TYPE 2



TYPE 3

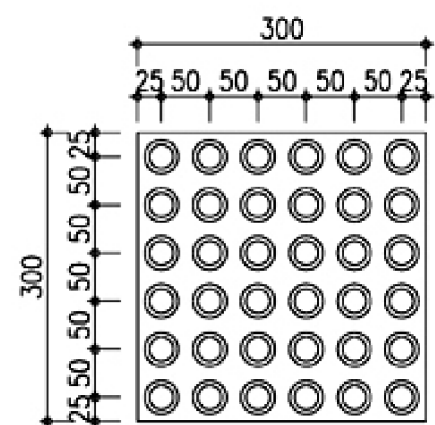
NOTE:

CONTRACTOR TO SUBMIT MATERIAL CATALOGUE AND RELEVANT TEST REPORTS FOR APPROVAL.

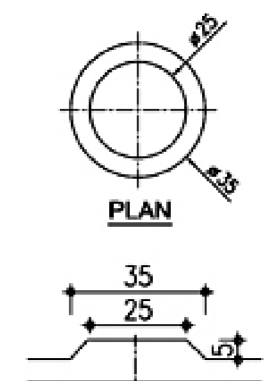
MATERIALS SHALL COMPLY TO THE REQUIREMENTS AS STIPULATED IN THE LATEST "DESIGN MANUAL - BARRIER FREE ACCESS" PUBLISHED BY BUILDINGS DEPARTMENT.

5mm CHAMFER SHOULD BE PROVIDED FOR CONCRETE BLOCKS ONLY.

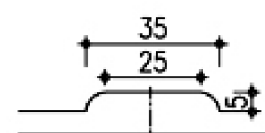
THICKNESS
FOR BLOCKS = 60mm
FOR TILES = 8 - 20mm



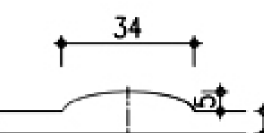
HAZARD WARNING TILE / BLOCK



TYPE 1

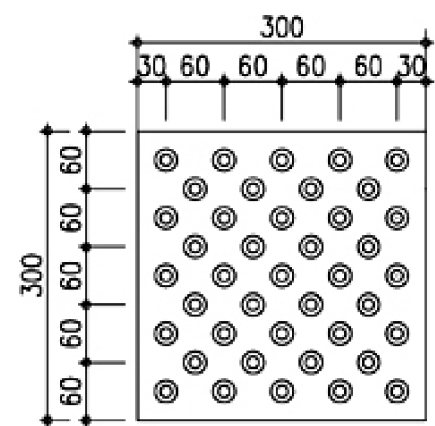


TYPE 2

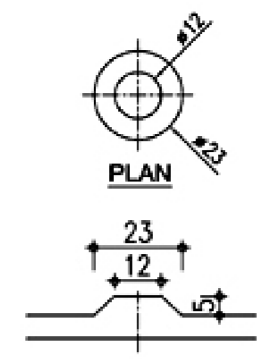


TYPE 3

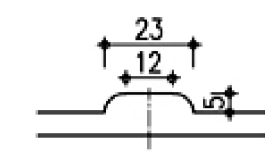
THICKNESS
FOR BLOCKS = 60mm
FOR TILES = 8 - 20mm



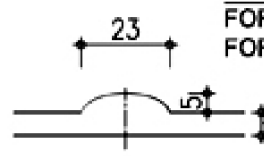
POSITIONAL TILE / BLOCK



TYPE 1



TYPE 2



TYPE 3

THICKNESS
FOR BLOCKS = 60mm
FOR TILES = 8 - 20mm

ALL DIMENSIONS ARE IN mm

REFERENCE:

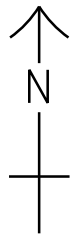
Rev.	Date	Description	Drawn	Prepared	Checked
-	28/11/18	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN GARDEN
REPROVISION -TYPICAL DETAIL OF
TACTILE TILES

SKETCH NO. CV/2013/08/SK2872 SCALE AS SHOWN(A3)



4-IN-1 RECYCLING BIN
(REFER TO SITE SKETCH NO.
CV/2013/08/SK2502)

836499.414E
842517.637N

836501.503E
842518.294N



836503.071E
842518.443N

HAZARD WARNING TILES
(REFER TO SKETCH NO.
CV/2013/08/SK2872)

REMOVABLE RAILINGS
(REFER TO SKETCH NO.
CV/2013/08/SK2381)

836503.203E
842513.744N



REFERENCE:

B	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
A	14/02/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	28/11/18	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

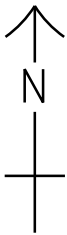
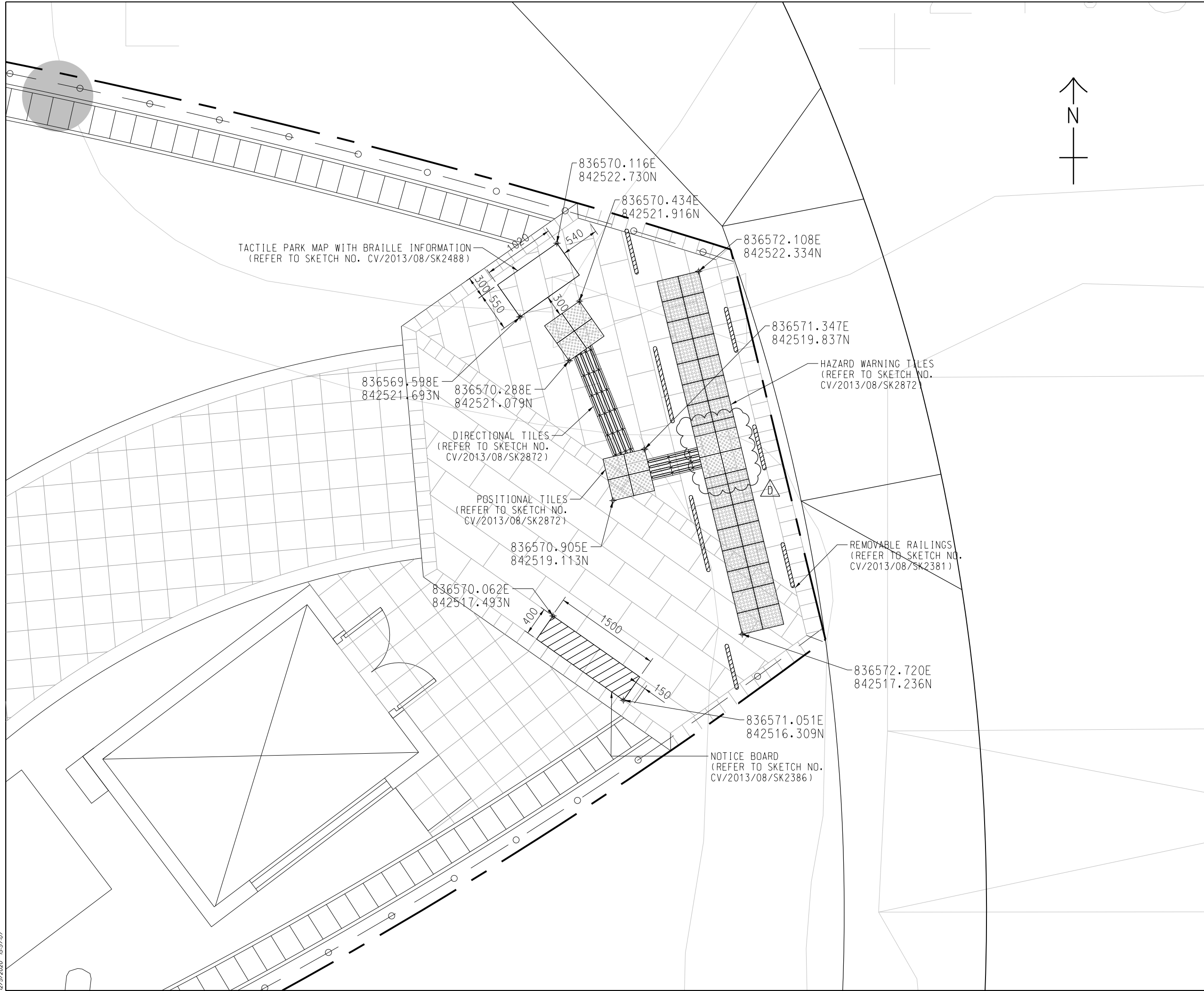
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN GARDEN REPROVISION
- TACTILE GUIDE PATH PLAN

SKETCH NO. CV/2013/08/SK2873B

SCALE
1 : 50 (A3)



REFERENCE:					
D	16/04/20	ISSUE FOR CONSTRUCTION	JW	LYCM	CLSY
C	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
B	29/04/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
A	14/02/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
-	28/11/18	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

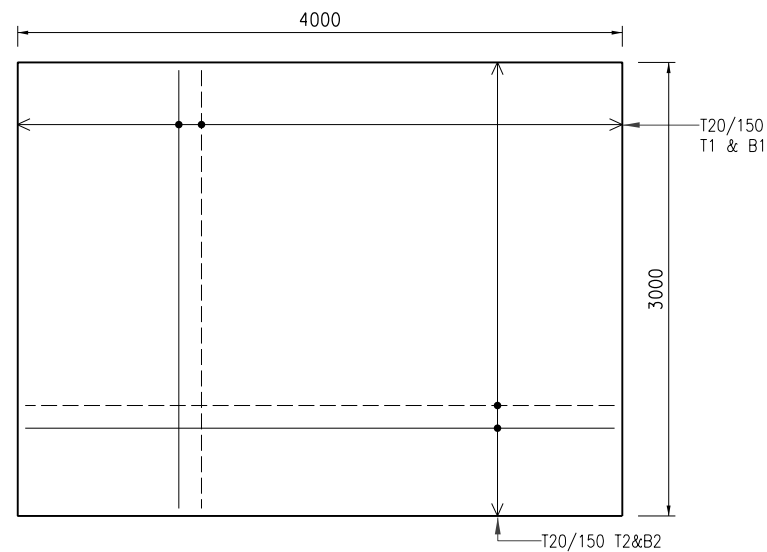
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CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

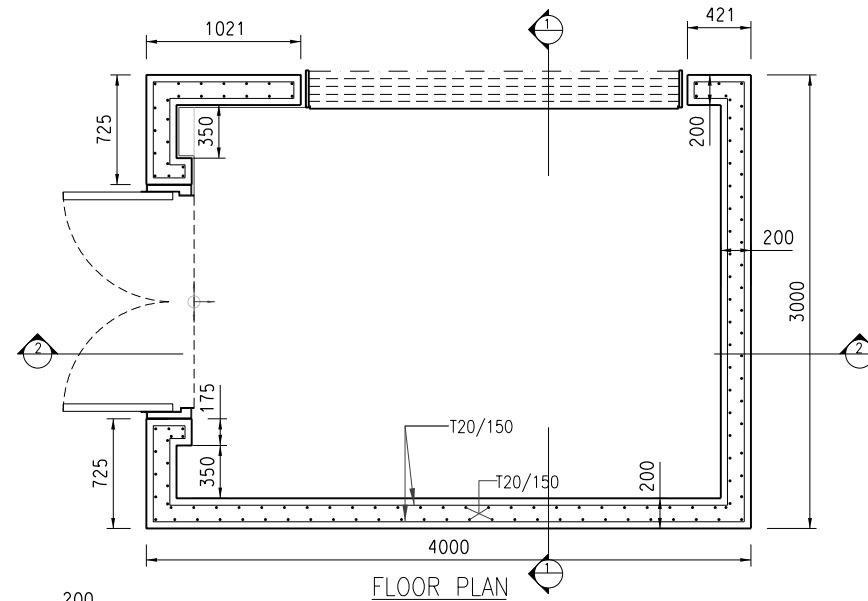
TITLE: WO KENG SHAN GARDEN REPROVISION
- TACTILE GUIDE PATH PLAN

SKETCH NO. CV/2013/08/SK2874D

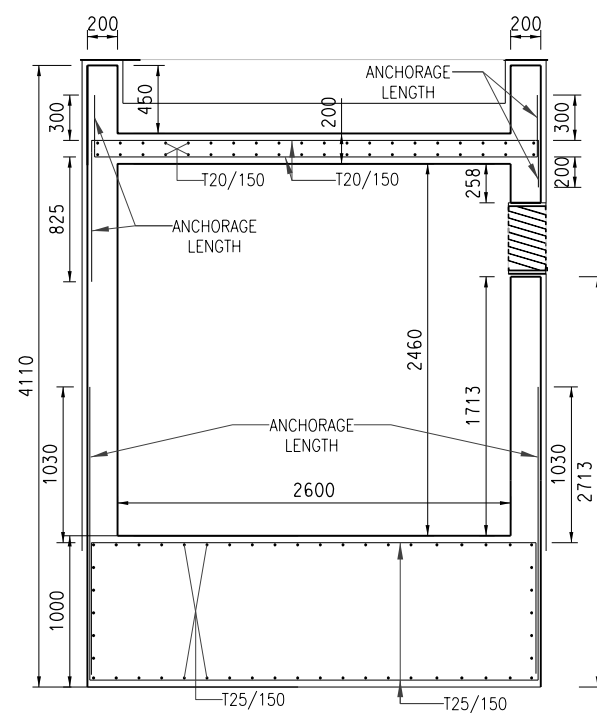
SCALE
1 : 50 (A3)



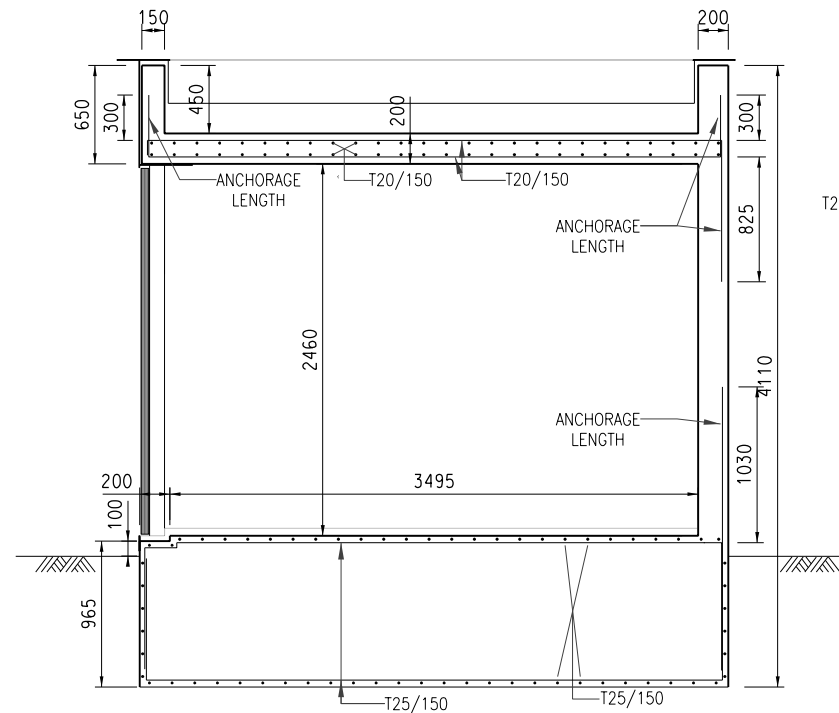
ROOF PLAN



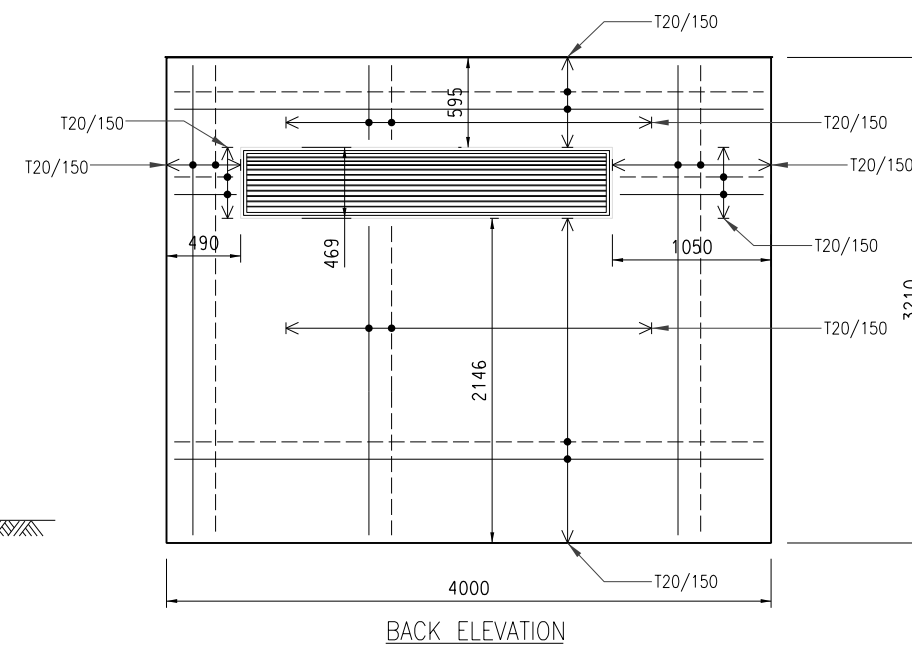
FLOOR PLAN



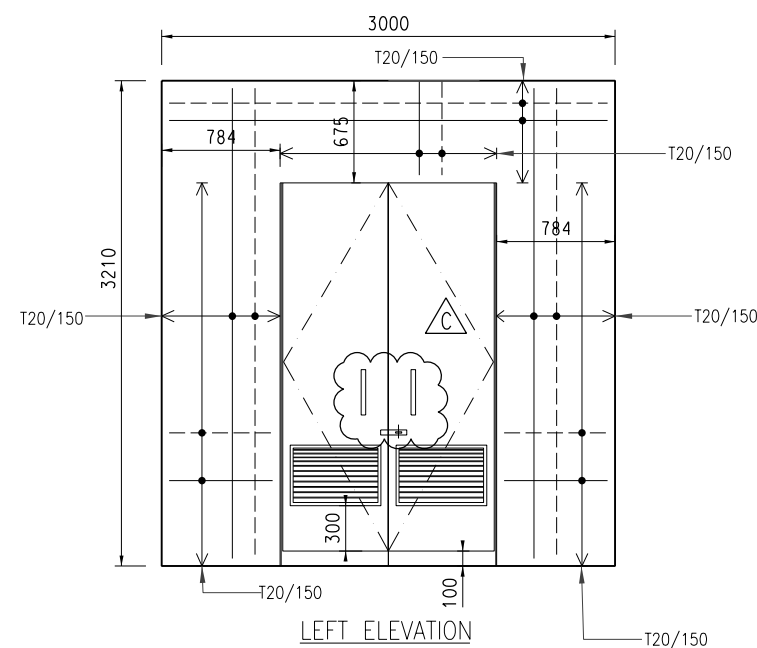
SECTION - 1



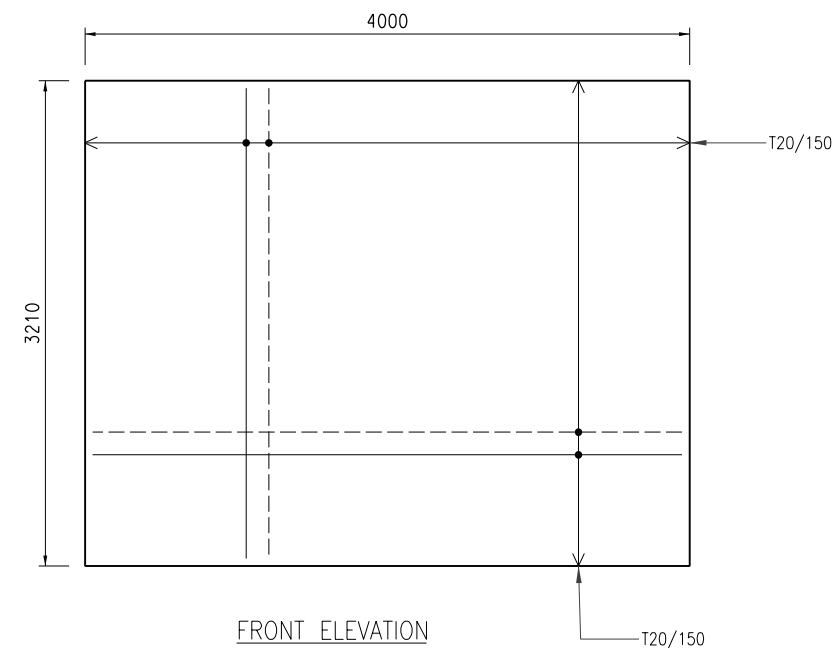
SECTION - 2



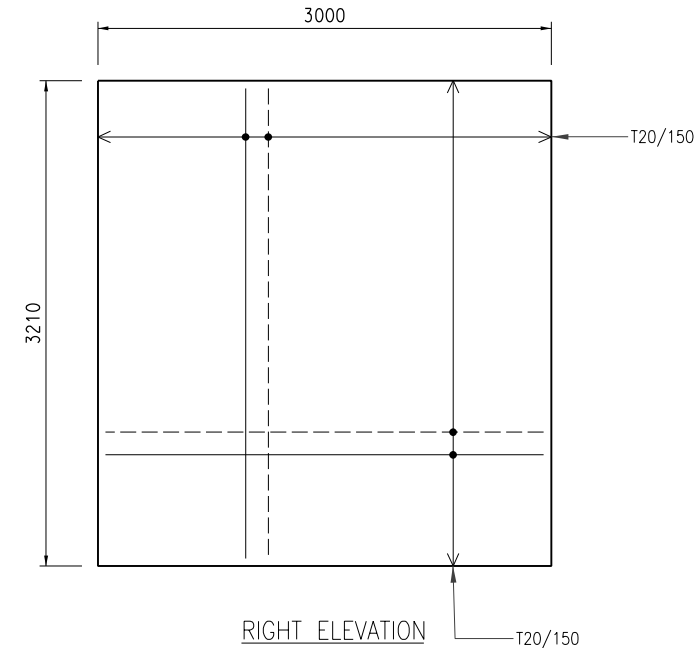
BACK ELEVATION



LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION

NOTE :

1. FOR NOTES REFER TO DRAWING NO. CV/2013/08/SK2418.
2. READ IN CONJUNCTION WITH THE SKETCHES NOS. CV/2013/08/SK2511, SK2543 TO SK2545.

REFERENCE :

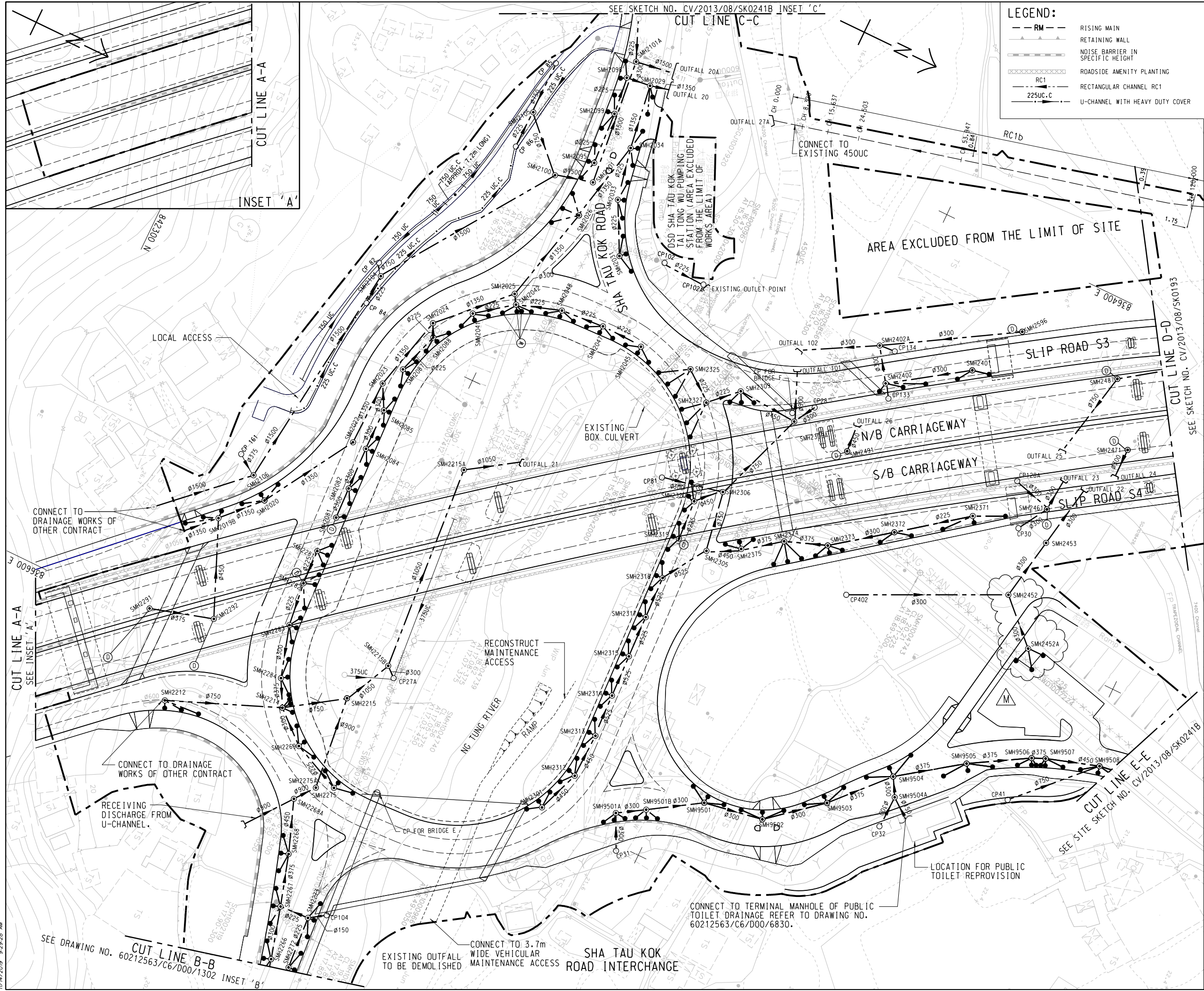
C	24/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	BL
B	29/04/19	ISSUE FOR CONSTRUCTION	JW	JCMY	BL
A	15/02/19	ISSUE FOR CONSTRUCTION	JW	RTHL	BL
-	03/09/18	ISSUE FOR CONSTRUCTION	LCP	RTHL	BL
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN STORE ROOM
REINFORCEMENT DETAIL

SKETCH NO. CV/2013/08/SK2671C SCALE 1:50



LEGEND:

- RM RISING MAIN
- RETAINING WALL
- NOISE BARRIER IN SPECIFIC HEIGHT
- RC1 ROADSIDE AMENITY PLANTING
- RECTANGULAR CHANNEL RC1
- 225UC U-CHANNEL WITH HEAVY DUTY COVER

- NOTES:**
- FOR GENERAL NOTES AND ABBREVIATIONS, REFER TO DRAWING NO. 60212563/C6/D00/1360.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING NOS. 60212563/C6/D00/1302 TO 1322.
 - FOR MANHOLE SCHEDULE, REFER TO DRAWING NOS. 60212563/C6/D00/1351 TO 1357.
 - FOR DETAILS OF TEMPORARY PLUG, REFER TO DRAWING NO. 60212563/C6/D00/1360.

LEGEND:

- SITE BOUNDARY
- UNDERGROUND SITE BOUNDARY
- EXTENT OF MTR PROTECTION ZONE
- Ø375 375mm DIA. CONCRETE DRAIN PIPE
- TEMPORARY PLUG FOR FUTURE PIPE CONNECTION
- STORMWATER MANHOLE
- EXISTING MANHOLE TO BE RECONSTRUCTED
- GULLY WITH OVERFLOW WEIR
- MANHOLE CONNECTING TO CATCHPIT WITH DOWNPIPE CONNECTION (DETAILS REFER TO SKETCH NO. CV/2013/08/SK0475)
- CATCHPIT WITH DOWNPIPE CONNECTION
- ROAD GULLY
- CATCHPIT RECEIVING RUNOFF FROM SLOPES/RETAINING WALL
- CATCHPIT
- U CHANNEL
- INLET / OUTLET
- RAINWATER TERMINAL MANHOLE
- STORM DRAIN TO BE CONSTRUCTED BY OTHERS
- MANHOLE TO BE CONSTRUCTED BY OTHERS
- ROAD GULLY TO BE CONSTRUCTED BY OTHERS
- GULLY WITH OVERFLOW WEIR TO BE CONSTRUCTED BY OTHERS
- EXISTING MANHOLE / CATCHPIT AND DRAIN PIPE TO BE DEMOLISHED
- EXISTING STORMWATER DRAIN CHANNEL (BY OTHERS)
- DRAIN PIPE / BOX CULVERT (BY OTHERS)
- CATCHPIT (BY OTHERS)
- GABION CHANNEL (BY OTHERS)
- EXISTING BOX CULVERT
- EXISTING STORMWATER MANHOLE
- EXISTING CATCHPIT
- EXISTING CROSS ROAD DRAIN TO BE RECONSTRUCTED. (REFER TO NOTE 32 ON DRAWING NO. 60212563/C6/D00/1360)

REFERENCE:

1.	SUPERSEDE DRG NO.	60212563/C6/D00/1301A.			
M	14/11/19	MINOR AMENDMENT	KLKK	BL	BL
L	29/10/19	MINOR AMENDMENT	JW	BL	BL
K	13/03/19	MINOR AMENDMENT	JW	CYX	BL
J	11/01/19	MINOR AMENDMENT	JW	CYX	BL
I	19/09/18	MINOR AMENDMENT	KLKK	CYX	BL
H	13/06/18	ISSUE FOR CONSTRUCTION	JW	CYX	BL
G	10/04/18	ISSUE FOR CONSTRUCTION	KLKK	RTHL	BL
F	09/05/17	ISSUE FOR CONSTRUCTION	YTY	RTHL	BL
E	02/02/17	MINOR AMENDMENT	YTY	JSSK	BL
D	05/07/16	MINOR AMENDMENT	YTY	JSSK	BL
C	26/04/16	DRAINAGE LAYOUT REVISED	YTY	JSSK	BL
B	05/04/16	TC2 AMENDED	YTY	JSSK	BL
A	16/01/16	TC1 AND Ø1500 PIPE NEAR OUTFALL 27 REALIGNED	YTY	JSSK	BL
-	16/01/16	ISSUE FOR CONSTRUCTION	KLKK	JSSK	BL
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE: DRAINAGE LAYOUT
AT SHA TAU KOK INTERCHANGE

SKETCH NO.	CV/2013/08/SK0240M	SCALE	1:1000 (A3)
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11/14/2019 9:29:28 AM

11/14/2019 9:07:04 AM

PATH:S:\STO Group\TO-General\Contract 6\Site Sketch (C6)\SK0256-0258\SK0256i.dgn

MANHOLE SCHEDULE											
U/S M.H.	D/S M.H.	U/S GL (mPD)	D/S GL (mPD)	PIPE LENGTH (m)	GRADIENT (1 IN)	U/S I.L.L. (mPD)	D/S I.L.L. (mPD)	PIPE DIA. (mm)	U/S M.H. TYPE	PIPE MATERIAL	BEDDING TYPE
SMH2301	SMH2312	22.850	22.70	12.790	80	20.118	19.958	450	E1	CONCRETE	B
SMH2312	SMH2313	22.700	22.550	12.610	80	19.958	19.800	450	E1	CONCRETE	B
SMH2313	SMH2314	22.550	22.400	12.240	90	19.725	19.589	525	E1	CONCRETE	B
SMH2314	SMH2315	22.400	22.240	12.040	90	19.589	19.455	525	E1	CONCRETE	B
SMH2315	SMH2317	22.240	22.100	11.900	90	19.455	19.323	525	E1	CONCRETE	B
SMH2317	SMH2318	22.100	21.950	12.050	80	19.323	19.172	525	E1	CONCRETE	B
SMH2318	SMH2305	21.950	22.000	15.000	40	19.172	18.797	525	E1	CONCRETE	B
SMH2305	SMH2306	22.000	21.800	17.000	9	18.572	16.640	750	I	CONCRETE	B
SMH2306	SMH2309A	21.800	22.500	27.000	200	16.640	16.445	750	L/BACKDROP 3/2 (450Ø, 750Ø)	CONCRETE	B
SMH2309A	OUTFALL 101	22.500	18.730	26.100	70	16.355	15.980	900	L/BACKDROP 3 (450Ø & 300Ø)	CONCRETE	B
CP28	SMH2309A	18.730	22.500	8.500	100	18.071	17.986	300	-	CONCRETE	B
CP81	SMH2306	19.000	21.800	20.000	18	18.000	16.890	300	-	CONCRETE	B
SMH2371	SMH2372	24.050	23.000	22.511	40	21.230	20.667	225	E1	CONCRETE	B
SMH2372	SMH2373	23.000	22.450	19.118	85	20.592	20.367	300	E1	CONCRETE	B
SMH2373	SMH2374	22.450	22.250	11.975	80	20.292	20.142	375	E1	CONCRETE	B
SMH2374	SMH2375	22.250	22.150	12.800	40	20.142	19.822	375	E1	CONCRETE	B
SMH2375	SMH2305	22.150	22.000	10.000	35	19.347	19.060	450	E1	CONCRETE	B
SMH2319	SMH2320	21.800	21.680	11.320	72	20.495	20.337	225	E1	CONCRETE	B
SMH2320	SMH2306	21.680	21.800	7.150	55	20.112	19.983	450	E1	CONCRETE	B
SMH2325	SMH2327	21.400	21.500	9.000	110	19.835	19.750	225	E1	CONCRETE	B
SMH2327	SMH2309	21.500	21.900	10.000	100	19.750	19.650	225	E1	CONCRETE	B
SMH2309	SMH2309A	21.900	22.500	19.000	50	19.425	19.045	450	E1	CONCRETE	B
SMH2391	SMH2308	21.700	22.000	6.421	50	18.882	18.754	225	F1	CONCRETE	B
SMH2308	SMH2309	22.000	22.100	11.320	50	18.754	18.528	225	F1	CONCRETE	B
SMH2401	SMH2402	25.188	24.100	19.800	26	19.720	18.950	300	L	CONCRETE	B
SMH2402	SMH2402A	24.100	19.850	10.200	9	18.950	18.050	300	L	CONCRETE	B
SMH2402A	OUTFALL 102	19.850	18.200	27.000	33	18.050	17.235	300	E1	CONCRETE	B
SMH2596	SMH2402A	20.139	19.850	35.300	141	18.300	18.050	300	E1	CONCRETE	B
CP40	SMH2451	21.000	20.820	15.000	100	19.500	19.350	300	-	CONCRETE	B
SMH2452A	SMH2452	21.100	20.500	16.740	23.9	19.100	18.400	300	E1	CONCRETE	B
CP402	SMH2452	22.780	20.500	46.000	13	21.345	18.000	300	-	CONCRETE	B
SMH2452	SMH2453	20.500	20.200	10.343	58	18.000	17.823	300	E1	CONCRETE	B
SMH2453	OUTFALL 22	20.200	19.000	28.930	100	17.823	17.735	300	E1	CONCRETE	B
CP30	SMH2461	20.000	19.800	15.000	100	18.600	18.450	300	-	CONCRETE	B
CP128A	SMH2461	20.000	19.800	10.000	100	18.600	18.450	300	-	CONCRETE	B
SMH2591A	SMH2481	20.200	20.150	18.604	54	18.650	18.306	525	E1	CONCRETE	C.S.
SMH2481	SMH2482	20.150	20.400	19.800	101	18.231	18.035	600	E1	CONCRETE	B
SMH2482	SMH2483	20.400	19.800	23.361	99	18.035	17.800	600	E1	CONCRETE	B
SMH2483	SMH2484	19.800	19.100	13.951	56	17.800	17.550	600	E1	CONCRETE	B
SMH2484	SMH2485	20.400	20.400	21.626	108	17.550	17.350	600	E1	CONCRETE	B
SMH2485	SMH2486	20.400	20.600	22.334	319	17.200	17.130	750	H	CONCRETE	B
SMH2486	SMH2487	20.600	19.900	39.401	190	17.130	16.923	750	I	CONCRETE	B
SMH2487	OUTFALL 25	19.900	19.500	25.008	145	16.923	16.750	750	H	CONCRETE	B
CP29B	SMH2482	21.000	20.40	5.000	100	19.000	18.950	300	-	CONCRETE	B
CP29F	SMH2482										
CP29E	SMH2484	19.700	20.400	14.619	30	18.338	17.850	300	-	CONCRETE	B
CP29A	SMH2485	18.660	20.400	5.338	27	17.850	17.650	300	-	CONCRETE	B

MANHOLE SCHEDULE											
U/S M.H.	D/S M.H.	U/S GL (mPD)	D/S GL (mPD)	PIPE LENGTH (m)	GRADIENT (1 IN)	U/S I.L.L. (mPD)	D/S I.L.L. (mPD)	PIPE DIA. (mm)	U/S M.H. TYPE	PIPE MATERIAL	BEDDING TYPE
SMH2461	OUTFALL 23	19.800	18.950	9.094	100	17.660	17.569	300	E1	CONCRETE	B
SMH2471	OUTFALL 24	20.100	19.500	8.050	100	18.260	18.180	300	E1	CONCRETE	B
SMH2481	OUTFALL 25	20.600	18.900	24.73	100	17.760	17.513	300	E1	CONCRETE	B
SMH2491	OUTFALL 26	19.300	19.100	7.541	120	17.585	17.522	450	E1	CONCRETE	B
SMH2501	SMH2502	27.300	27.292	6.307	103	25.582	25.521	225	E1	CONCRETE	B
SMH2502	SMH2503	27.292	27.157	9.838	102	25.296	25.200	450	E1	CONCRETE	C.S.
SMH2503	SMH2504	27.157	26.900	17.873	100	25.000	24.821	450	E1	CONCRETE	C.S.
SMH2504	SMH2505	26.900	26.650	7.000	23	24.821	24.515	450	E1	CONCRETE	B
SMH2505	SMH2508	26.650	26.220	7.500	25	23.674	23.374	1050	H	CONCRETE	B
SMH2508	SMH2509	26.220	26.800	12.000	150	22.772	22.692	1500	K	CONCRETE	B
SMH2509	SMH2509A	26.800	26.690	10.500	150	22.692	22.622	1500	K	CONCRETE	B
SMH2509A	RC1a	26.690	24.530	25.161	146	22.622	22.450	1500	K	CONCRETE	B
SMH2509A	SMH2510										
SMH2510	SMH2510A										
SMH2510A	SMH2510B										
SMH2510B	SMH2511										
SMH2511	SMH2512										
SMH2512	OUTFALL 27										
CUTOFF DRAIN-TUNNEL	SMH2502A	27.556	27.520	5	50	26.100	26.000	225		CONCRETE	B
CSG15	SMH2502A	27.536	27.520	9	58	26.136	25.980	300		CONCRETE	B
VB	SMH2502A	27.556	27.520	20	50	26.300	25.900	300		CONCRETE	C.S.
SMH2502A	SMH2502	27.520	27.292	13.5	38	25.650	25.296	450	E1	CONCRETE	C.S.
CP2	SMH2551	27.250	27.026	10	100	25.200	25.100	900		CONCRETE	C.S.
SMH2551	SMH2552	27.026	26.900	9	28	24.750	24.434	1050	H	CONCRETE	B
SMH2552	SMH2505	26.900	26.650	9.5	26	24.234	23.874	1050	H	CONCRETE	B
SMH2561	SMH2562	26.500	26.580	11.773	150	25.257	25.179	300	D1	CONCRETE	B
SMH2562	SMH2563	26.580	26.630	8.44	150	25.179	25.122	300	D1	CONCRETE	B
SMH2563	SMH2564	26.630	26.650	20.603	150	25.122	24.985	300	E1	CONCRETE	B
SMH2564	SMH2505	26.650	26.650	12.019	100	24.910	24.590	375	E1	CONCRETE	B
CP3	SMH2591A	20.600	20.200	33	46	19.600	18.883	300		CONCRETE	C.S.
CP4	SMH2561										
SMH2571	SMH2572	26.300	26.100	12.572	60	25.013	24.804	300	D1	CONCRETE	B
SMH2572	SMH2573	26.100	26.200	14.706	60	24.804	24.559	300	D1	CONCRETE	B
SMH2573	SMH2574	26.200	26.200	14.882	60	24.559	24.311	300	E1	CONCRETE	B
SMH2574	SMH2575	26.200	26.200	13.084	60	24.236	24.018	375	E1	CONCRETE	B
SMH2575	SMH2508	26.200	26.220	5.684	47	24.018	23.897	375	E1	CONCRETE	B
CP5	SMH2591A	20.700	20.200	33	40	19.700	18.883	300		CONCRETE	C.S.
CP6	SMH2573										
SMH2577	SMH2577A	27.218	26.880	38.50	55	25.523	24.826	300	E1	CONCRETE	B
SMH2577A	SMH2578	26.880	26.800	6.2	50	24.751	24.627	375	E1	CONCRETE	B
SMH2578	SMH2579	26.800	26.600	11	55	24.398	24.198	450	E1	CONCRETE	C.S.
SMH2579	SMH2580	26.600	26.400	7.5	55	24.198	24.067	450	E1	CONCRETE	C.S.
SMH2580	SMH2508	26.400	26.220	2.50	10	24.067	23.822	450	E1	CONCRETE	B

NOTES:

1. FOR GENERAL NOTES AND ABBREVIATIONS, REFER TO DRAWING NO. 60212563/C6/D00/1360.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. 60212563/C6/D00/1301 TO 1322 AND 1351 AND 1353 TO 1357.
3. FOR DETAILS OF STANDARD MANHOLE, REFER TO DSD STANDARD DRAWINGS.
4. FOR DETAILS OF TEMPORARY PLUG, REFER TO DRAWING NO. 60212563/C6/D00/1360.
5. THE GRADIENT ARE INDICATIVE ONLY. THE LEVEL OF THE PIPE SHALL BE REFERED TO "INVERT LEVEL" IN THE SCHEDULE.

REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/D00/1352A

2. SUPERSEDE SKETCH NO. CV/2013/08/SK0195

I	14/11/19	ISSUE FOR CONSTRUCTION	KLKK	BL	BL
H	22/10/18	ISSUE FOR CONSTRUCTION	LCP	CYX	BL
G	19/04/18	ISSUE FOR CONSTRUCTION	KLKK	RTHL	BL
F	09/02/18	ISSUE FOR CONSTRUCTION	KLKK	RTHL	BL
E	21/11/17	ISSUE FOR CONSTRUCTION	JW	JSSK	BL
D	07/04/17	ISSUE FOR CONSTRUCTION	JW	JSSK	BL
C	06/09/16	ISSUE FOR CONSTRUCTION	KLKK	JSSK	BL
B	07/07/16	ISSUE FOR CONSTRUCTION	YTY	JSSK	BL
A	26/04/16	ISSUE FOR CONSTRUCTION	YTY	JSSK	BL
-	20/01/16	ISSUE FOR CONSTRUCTION	YTY	JSSK	BL
		Description	Drawn	Prepared	Checked

Rev. Date

AECOM

CEDD CONTRACT NO. CV/2013/08

LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT

SITE FORMATION AND INFRASTRUCTURE WORKS -

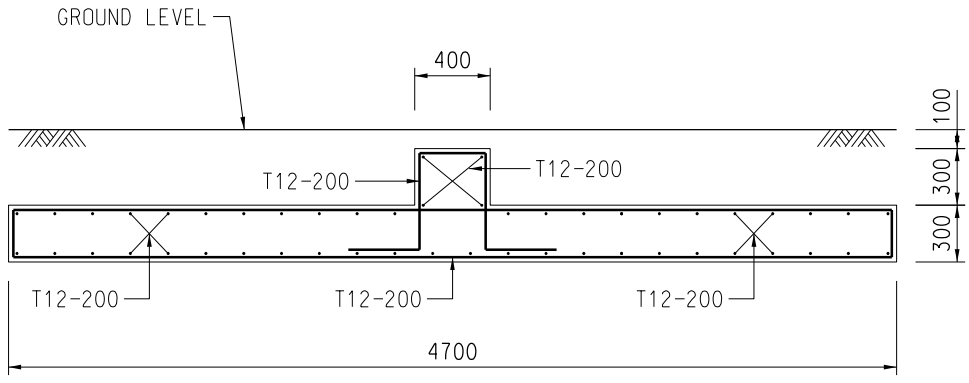
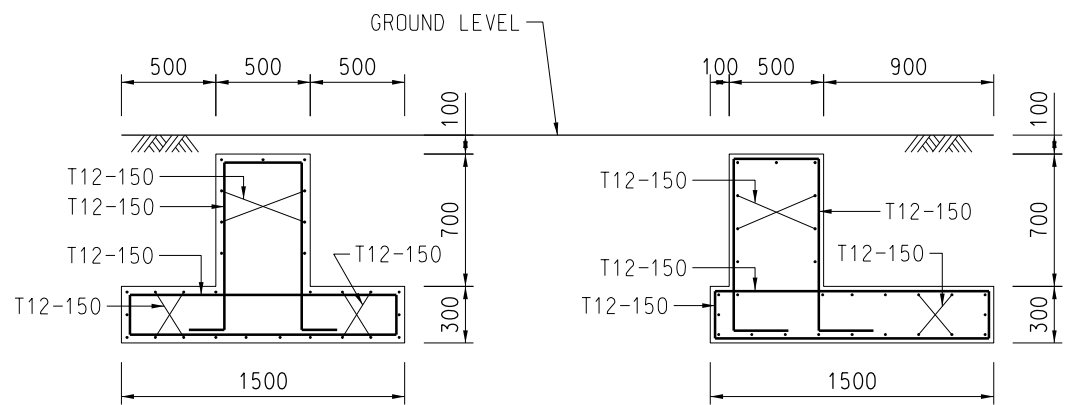
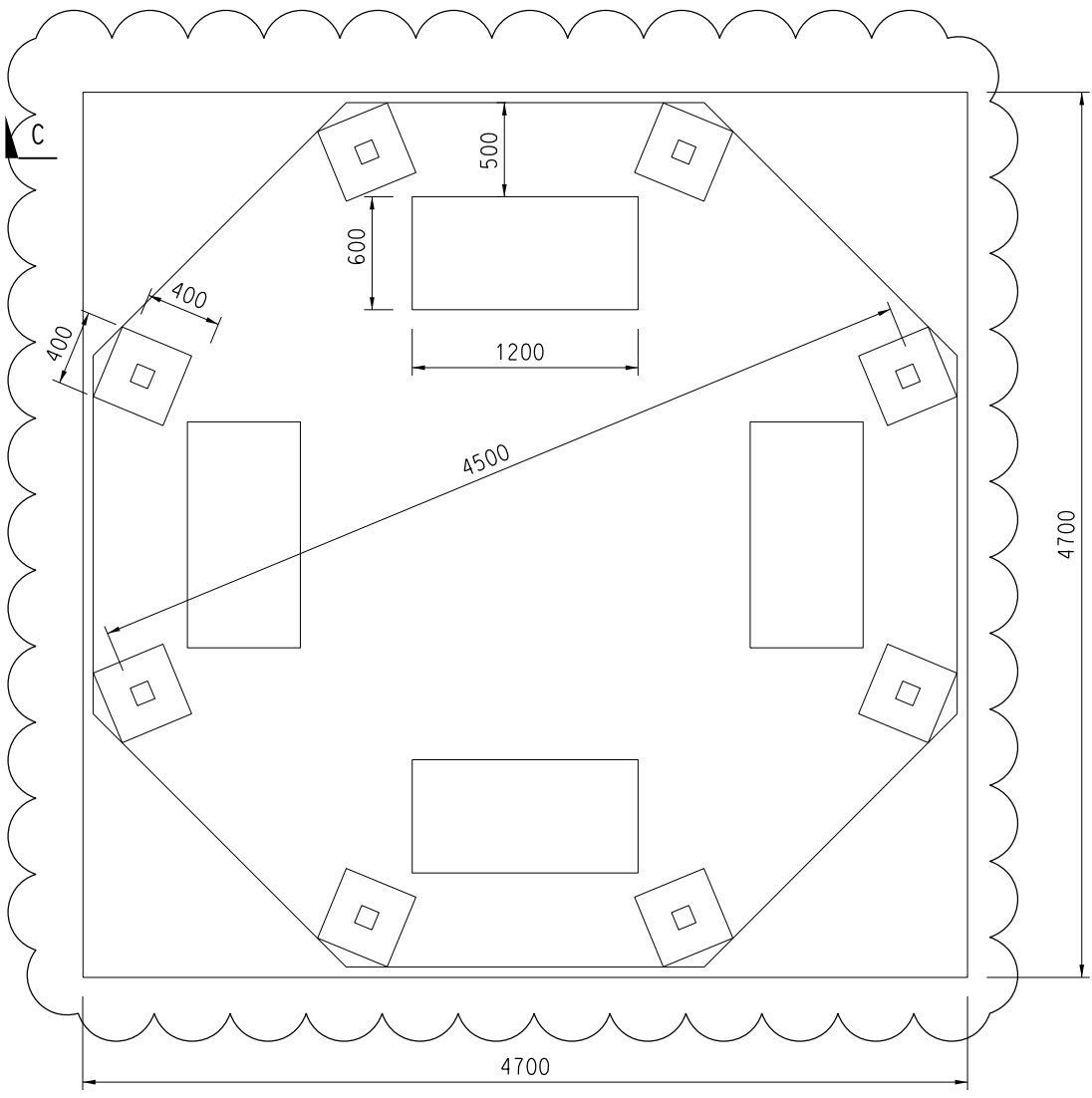
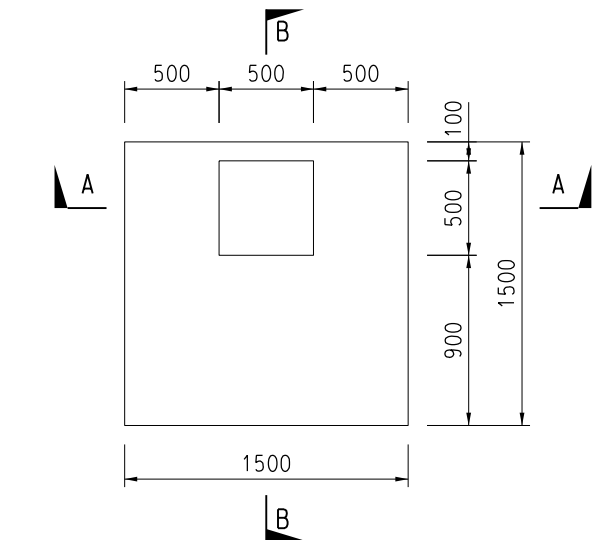
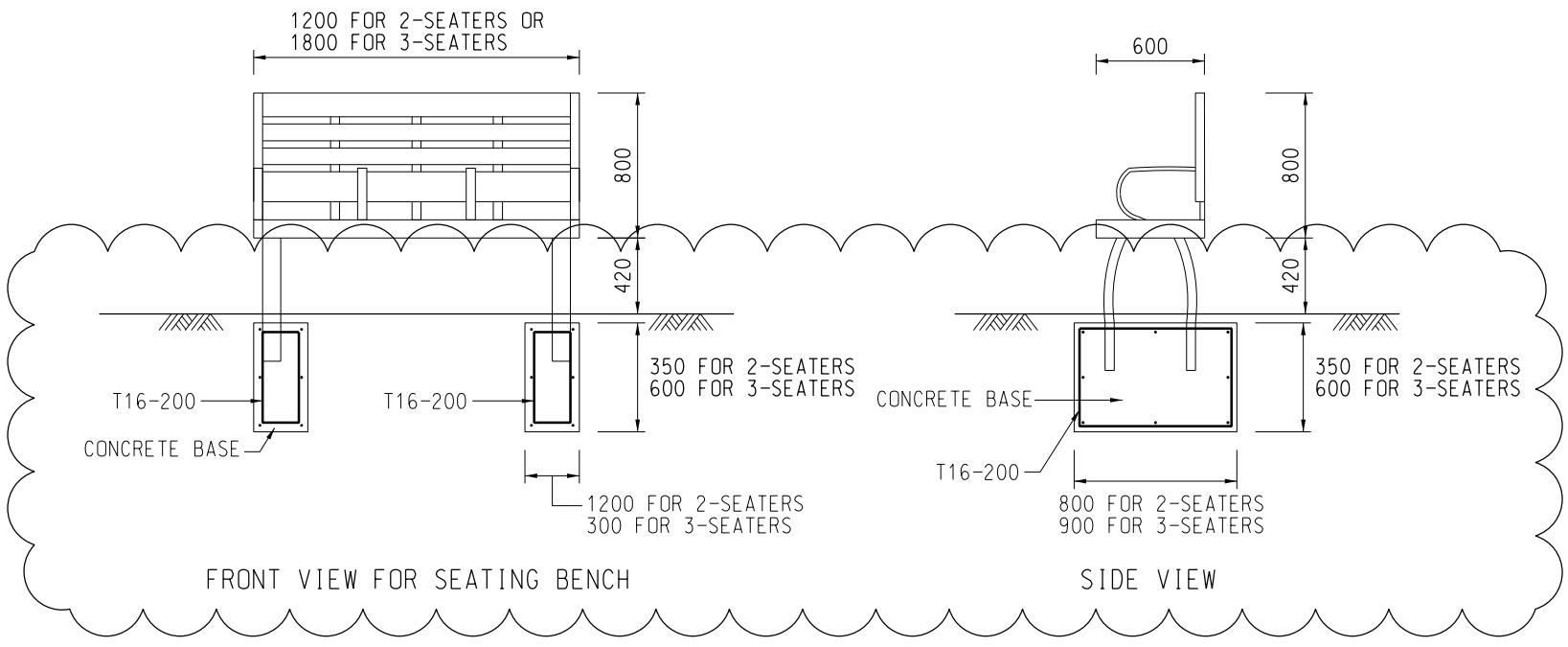
CONTRACT 6

TITLE:

DRAINAGE -

MANHOLE SCHEDULE

SKETCH NO.	CV/2013/08/SK02561	SCALE 1:2500(A3)
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SPECIFICATIONS:

PAVILION

SIZE : DIA.5000mm X 3635mm(H)
FEATURE : OCTAGONAL ROOF SHAPE COVER WITH 3 LEVEL
MATERIAL : GMS FRAMEWORK WITH SAND BLASTING AND ZINC
MATERIAL : RECYCLED PLASTIC SLATS ROOF COVER
MATERIAL : 9mm THICK CLEAR POLYCARBONATE
FINISH : 2-COMPONENT PU PAINT
INSTALLATION : IN-GROUND FIXING

BENCH FOR PAVILION - 2 SEATERS

SIZE : 1200mm(L) X 600mm(W) X 80mm(H)
MATERIAL : METAL FRAME BODY WITH RECYCLED
MATERIAL : PLASTIC SLAT SEAT
FINISH : 2-COMPONENT PU PAINT
INSTALLATION : IN-GROUND FIXING

PERGOLA

SIZE : 5000mm(L) X 2000mm(W) X 2650mm(H)
FEATURE : ARCH SHAPE EDGE ON THE TOP WITH 3 DIFFERENCE
SIZE HOLES ON SIDE
MATERIAL : GMS SUPPORTING FRAMEWORK WITH SAND BLASTING
AND ZINC SPRAYED ANTI-CORROSIVE TREATMENT
MATERIAL : RECYCLED PLASTIC SLATS ROOF COVER
MATERIAL : 9mm THICK CLEAR POLYCARBONATE
FINISH : 2-COMPONENT PU PAINT
INSTALLATION : IN-GROUND FIXING

BENCH FOR PERGOLA - 3 SEATERS

SIZE : 1800mm(L) X 600mm(W) X 80mm(H)
MATERIAL : METAL FRAME BODY WITH RECYCLED
MATERIAL : PLASTIC SLAT SEAT
FINISH : 2-COMPONENT PU PAINT
INSTALLATION : IN-GROUND FIXING

LITTER BIN

SIZE : DIA.430mm X 1080mm(H)
FEATURE : CYLINDRICAL BIN WITH SIDE DOOR AND
4 SUPPORTING POST
MATERIAL : 3mm THICK STEEL SHEET BODY PAINTED IN BLACK
WITH 20mm THICK COMPOSITE WOOD
MATERIAL : GMS FRAMEWORK AND COVER WITH SAND BLASTING
AND ZINC SPRAYED ANTI-CORROSIVE TREATMENT
FINISH : 2-COMPONENT PU SPRAY PAINT
INSTALLATION : IN-GROUND FIXING

REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1784

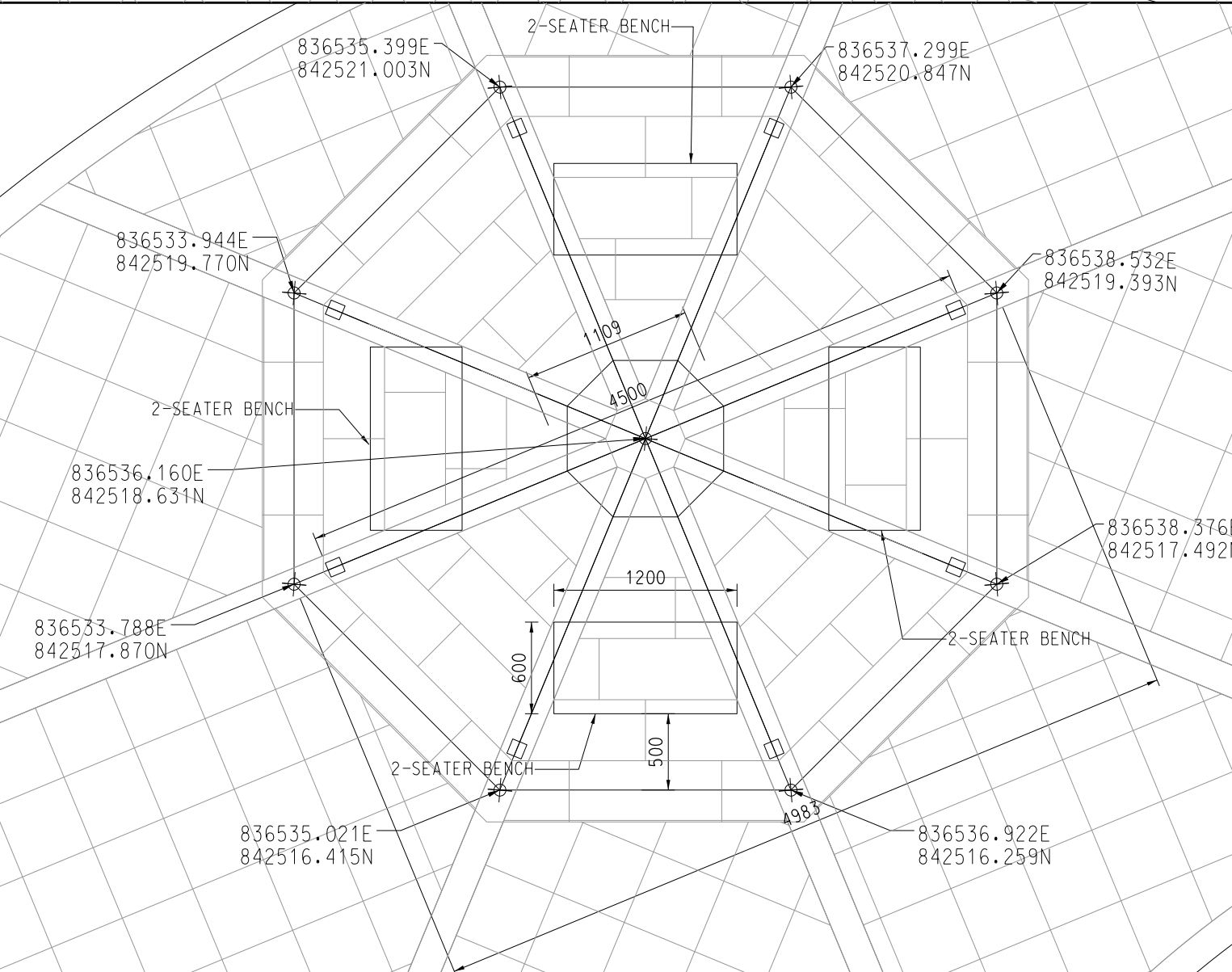
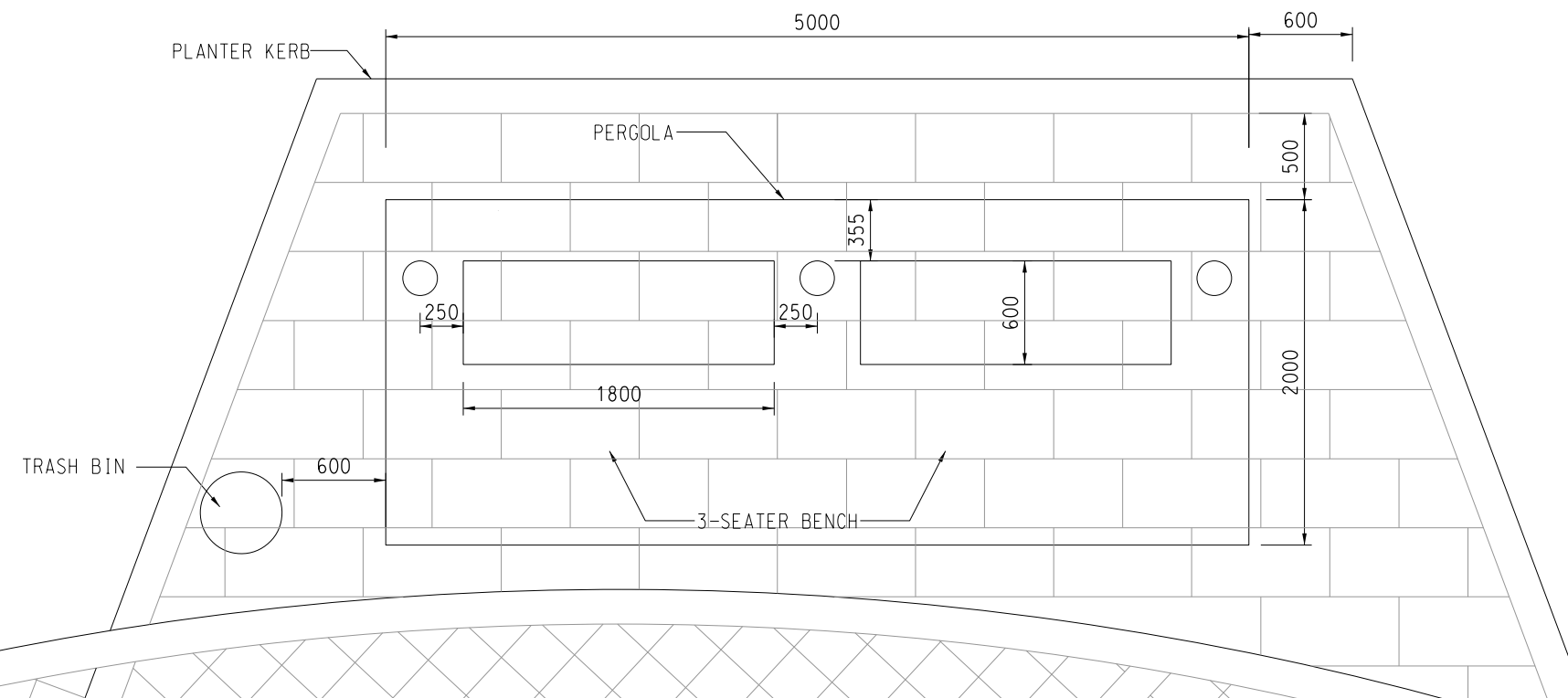
A	25/06/19	ISSUE FOR CONSTRUCTION	JW	BL	BL
-	11/04/19	ISSUE FOR CONSTRUCTION	LKK	JTMC	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN
GARDEN REPROVISION -
R.C. DETAILS OF PARK FURNITURE

SKETCH NO. CV/2013/08/SK3088A SCALE N.T.S.



REFERENCE:

Rev.	Date	Description	Drawn	Prepared	Checked
-	28/06/19	ISSUE FOR CONSTRUCTION	JW	JCMY	CLSY

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WO KENG SHAN GARDEN REPROVISION
- TYPICAL SETTING OUT OF
GARDEN FURNITURE

SKETCH NO.	CV/2013/08/SK3225	SCALE 1 : 100 (A3)
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7/10/2019 2:24:11 PM

Phase Implementation of planting at Tai Wo Service Road East

1. Drawings (Total 8 sheets including the drawing list)

2. Correspondences (Total 2 correspondences)

Correspondence 1: CEDD's MEMO ref. () in NDO-30-4160-772CL-4B dated 5 January 2018
(Total 11 pages)

Correspondence 2: EPD's MEMO ref. () in Ax 1 to EP 2/N7/A/52
(Total 1 page)

Correspondence 3: AECOM's letter ref. (CV/2012/09)/C55/200/(D11172) dated 22 October 2020
regarding the handover of site to ND/2019/05 (Extracted pages)
(Total 2 pages)

Appendix R – Phase Implementation of Planting at Tai Wo Service Road East

Drawing List

	DRAWING TITLE	DRAWING NO.	REV	REMARKS
1	GENERAL NOTES AND LEGEND	CV/2012/09/R10/120/2234	-	
2	TREE PLANTING PLAN	CV/2012/09/R10/120/1928	B	
3	SHRUB PLANTING PLAN	CV/2012/09/R10/120/1931	B	
4	PLANTING SCHEDULE	CV/2012/09/R10/120/1930	A	
5	TREE PLANTING PLAN	CV/2012/09/R10/120/1969	F	
6	SHRUB PLANTING PLAN	CV/2012/09/R10/120/1970	F	
7	PLANTING SCHEDULE	CV/2012/09/R10/120/2123	C	

TOTAL 7 SHEETS

1. GENERAL INFORMATION
THESE DRAWING PACKAGES INTEND TO SHOW SOFT LANDSCAPE TREATMENT ONLY. FOR SETTING OUT AND LANDSCAPE DESIGNS SHALL REFER TO ENGINEERING PACKAGE. CONSTRUCTION OF ALL ENGINEERING WORKS INCLUDING ROADWAYS, BRIDGE AND UTILITIES SHALL REFER TO ENGINEERING DRAWING PACKAGE. THE CONTRACTOR SHALL REPORT TO THE ENGINEERING REPRESENTATIVES IMMEDIATELY FOR ANY DISCREPANCY BETWEEN THE ENGINEERING AND LANDSCAPE DRAWINGS.
2. EXISTING DIMENSIONS
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
3. EXISTING TREES / VEGETATION
THE CONTRACTOR SHALL PROTECT ALL TREES TO BE RETAINED ON SITE AS STIPULATED IN G.S. SECTION 26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTATING EXISTING / RETAINED VEGETATION AFFECTED BY THE CONSTRUCTION WORKS.
4. TREE FELLING
NO TREES SHALL BE FELLED OR REMOVED WITHOUT DLO APPROVAL.
5. GROUND PREPARATION WORKS
GROUND PREPARATION WORKS SHALL BE CARRIED OUT TO ALL AREAS TO BE PLANTED AS SPECIFIED.
6. SOIL MIX AND SOIL CONDITIONER
SOIL MIX SHALL CONSIST OF FRIABLE COMPLETELY DECOMPOSED GRANITE AND SOIL CONDITIONER IN THE PROPORTIONS 3:1 BY VOLUME AND SHALL BE FREE FROM DELETERIOUS MATERIALS AS SPECIFIED IN G.S. CLAUSE 3.30 - SOIL MIX AND G.S. CLAUSE 3.31 FOR SOIL CONDITIONER.
7. MULCHING
TREE PLANTING AND SHRUB AREAS SHALL BE MULCHED TO A DEPTH OF 50mm. FINISH LEVEL OF MULCH SHALL BE 25mm BELOW ADJACENT FINISHED SURFACES, AND COMPLY WITH G.S. CLAUSE 3.32 - MULCH.
8. PLANT NAME
BOTANICAL NAME SHALL TAKE PRECEDENCE TO ENGLISH AND CHINESE NAME.
9. PLANTING PATTERN
ALL PLANTS ARE TO BE PLANTED IN STAGGERED PATTERN AT SPACING INDICATED IN THE SCHEDULE. CLIMBING PLANTS SHALL BE PLANTED AGAINST SUPPORTING STRUCTURE.
10. TREE PLANTING
LOCATION OF TREES IS SHOWN ON THE DRAWING. SPACING INDICATED IN THE PLANT SCHEDULE IS INDICATIVE. TREES SHALL BE LOCATED TO AVOID ANY UNDERGROUND UTILITIES. ALL SOIL LEVELS SHALL BE SURVEYED AND VERIFIED PRIOR TO COMMENCEMENT OF PLANTING.
11. STAKING
BAMBOO STAKES SHALL BE USED FOR ALL TREES EXCEPT WHIPS AS SPECIFIED IN G.S. 3.36. TREE TRUNKS SHALL BE PROTECTED BY USING RUBBER HOUSE PROTECTIVE SLEEVING OR SIMILAR, AND SHALL BE LOOSENED TWICE A YEAR.
12. DRAINAGE
ALL DRAINAGE DETAILS OF PLANTING AREA SHOULD REFER TO ENGINEER DRAWING.
13. UNDERGROUND UTILITIES
UTILITY SHOWN ON THE PLANS ARE INDICATIVE, EXACT LOCATIONS TO BE CONFIRMED BY THE ENGINEER. NO TREE SHALL BE PLANTED WITHIN 1m OF A MANHOLE OR DRAINAGE U-CHANNEL. THERE SHALL BE NO PLANTING WITHIN THE SPACE OF 1.5m AROUND THE COVER OF ANY HYDRANT VALVE OR THE COVER OF WSD'S VALVES, OR WITHIN A DISTANCE OF 1m FROM ANY HYDRANT OUTLET. NO TREE SHALL BE PLANTED WITHIN 2m OF A ROAD KERB OR ENGINEERING STRUCTURE.
14. WATER
THE CONTRACTOR SHALL PROVIDE ADEQUATE WATERING TO ALL PLANTING AREAS AS SPECIFIED IN G.S. 3.84. - WATERING.
15. ESTABLISHMENT WORKS
ALL PLANTED MATERIAL SHALL BE MAINTAINED AFTER PLANTING FOR A PERIOD AS SPECIFIED IN THE CONTRACT DOCUMENTS.
16. PLANTING AREA
 - 1) ALL TREE PITS SHALL BE BACKFILLED WITH 1.2m DEPTH OF SOIL MIX.
 - 2) ALL EDGES OF PLANTING AREA ADJACENT TO PATHWAY ARE 25MM BELOW ADJACENT PAVEMENT AND IN ACCORDANCE WITH THE DETAILS.
 - 3) ALL HEIGHT INDICATED FOR TREES ARE OVERALL HEIGHT.
 - 4) ALL HEIGHT INDICATED FOR PALMS ARE CLEAR TRUNK HEIGHT.
 - 5) INSTALLATION OF ROOT BARRIERS FOR PLANTING AREAS ABUTTING UTILITIES CORRIDOR SHALL REFER TO DRAWINGS FOR CIVIL WORKS.
17. HYDROSEEDING
SPECIES AND SPECIFICATION OF HYDROSEEDING SHALL REFER TO G.S. CLAUSE 3.69 TO 3.74.
18. EXACT EXTEND OF NATURAL TERRAIN HAZARD STUDY (NTHS) REFER TO ENGINEER'S DRAWING.
19. ALL TREES ARE TO BE PLANTED AT A MIN. 3m DISTANCE FROM THE TREE CROWN TO THE MTR BOUNDARY FENCE.

Legend:

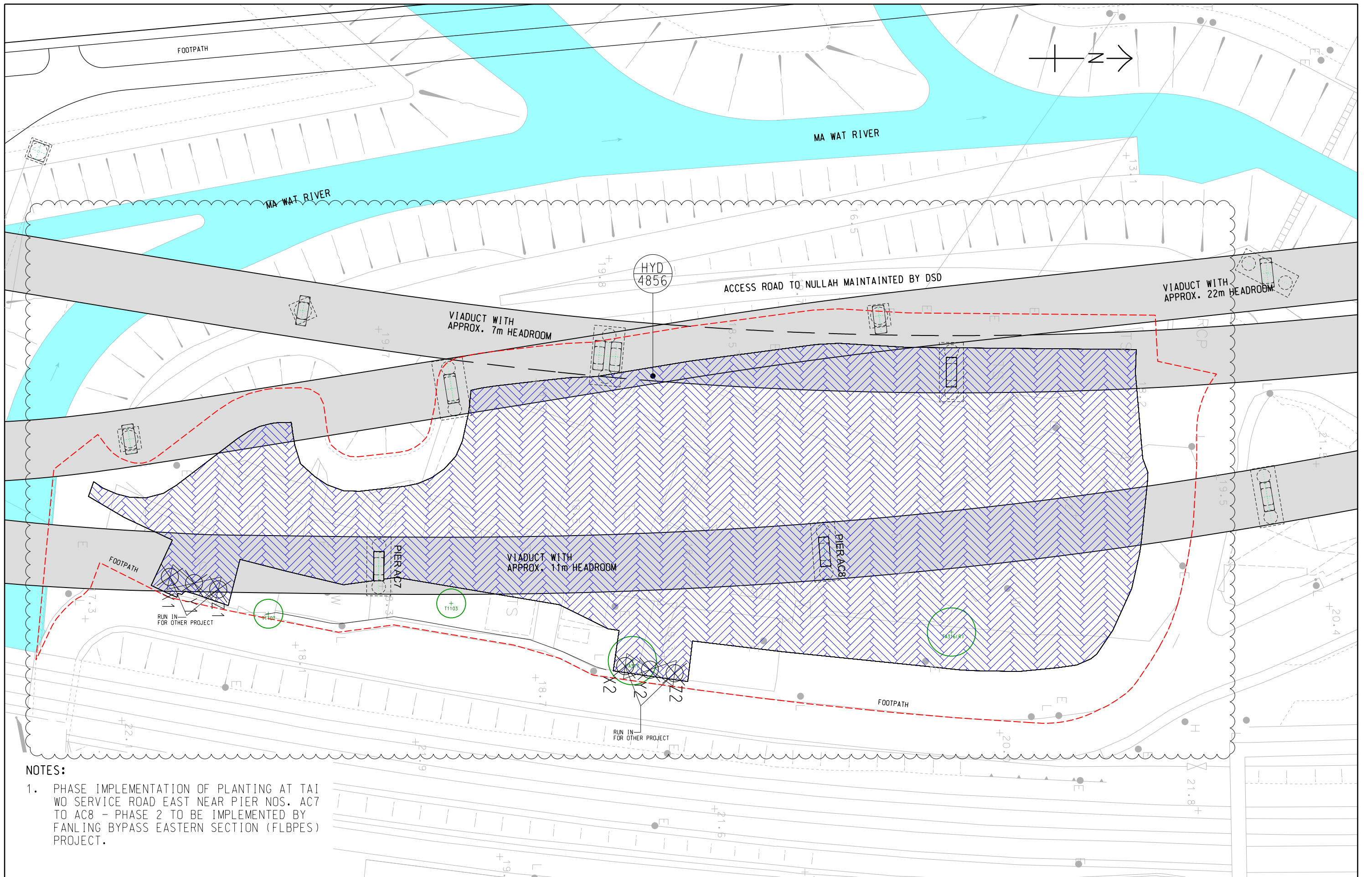
- RETAINED TREE
- PROPOSED COMPENSATORY TREE
- SMP — SHRUB MIX PLANTING
- AREA m²
- EXTENT OF PLANTING AREA
- VIADUCT PIER
(CLIMBER PLANTING WILL BE PROVIDED ON PIER WALL WITHIN PLANTING AREAS)
- MA WAT RIVER



TITLE:

GENERAL NOTES AND LEGEND

DATE	11-JUL-19		
CHECKED	TNTK	DRAWN	IPFY
JOB NO. 60212563/C3		SCALE N.T.S.	
SKETCH NO. CV/2012/09/R10/120/2234			REV -
DOCUMENT REFERENCE NO.			



NOTES:

1. PHASE IMPLEMENTATION OF PLANTING AT TAI WO SERVICE ROAD EAST NEAR PIER NOS. AC7 TO AC8 - PHASE 2 TO BE IMPLEMENTED BY FANLING BYPASS EASTERN SECTION (FLBPES) PROJECT.

AECOM

SHRUB PLANTING PLAN

SCALE	1:500 ON A3	DATE	6-JAN-21
CHECKED	IFPY	DRAWN	JMWC
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1931
DOCUMENT REFERENCE NO.		REV	B

TREE PLANTING SCHEDULE						
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY	REMARK
TREE PLANTING - NATIVE						
PPI	<i>Pongamia pinnata</i>	水黃皮	HEAVY STANDARD TREE	5000	22	-
SSU	<i>Schima superba</i>	荷樹	HEAVY STANDARD TREE	3000	37	-
TREE PLANTING - EXOTIC						
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	3000	10	-
CJ	<i>Crateva unilocularis</i>	樹頭菜	HEAVY STANDARD TREE	5000	29	-
EA	<i>Elaeocarpus apiculatus</i>	尖葉杜英	HEAVY STANDARD TREE	5000	13	-
KS	<i>Khaya senegalensis</i>	非洲楝	HEAVY STANDARD TREE	5000	44	-
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	HEAVY STANDARD TREE	3000	35	-
PALM TREE						
CO	<i>Caryota ochlandra</i>	魚尾葵	2500 X 1500	3000	121	-
CL	<i>Dypsis lutescens</i>	散尾葵	2500 X 1500	3000	131	-
TOTAL					442	

RETAINED TREE SCHEDULE						
TREE NO.	BOTANICAL NAME	CHINESE NAME	DBH (mm)	HEIGHT (m)	CROWN SPREAD (m)	PROPOSED TREATMENT
T1103	<i>Dimocarpus longan</i>	龍眼	205	3	4	RETAIN
T1107	<i>Mangifera indica</i>	芒果	278	4	3	RETAIN
TA316	<i>Mangifera indica</i>	芒果	454	8	7	RETAIN
TA317	<i>Bombax ceiba</i>	木棉	443	10	8	RETAIN

TOTAL: 4 NOS. OF RETAINED TREES

SHRUBS PLANTING SCHEDULE							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY (nr)	AREA (m²)	REMARK
SHRUB MIX PLANTING 2 (SMP 2)							
ACE	<i>Ardisia crenata</i>	朱砂根	400(H) x 350(S)	500	4471	4839	-
LRO	<i>Litsea rotundifolia</i>	豺皮樟	400(H) x 350(S)	500	4471		
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	500	4471		
MSA	<i>Melastoma sanguineum</i>	毛梔	400(H) x 350(S)	500	4471		
PAS	<i>Psychotria asiatica</i>	九節	400(H) x 350(S)	500	4471		
TOTAL					22355	4839	-

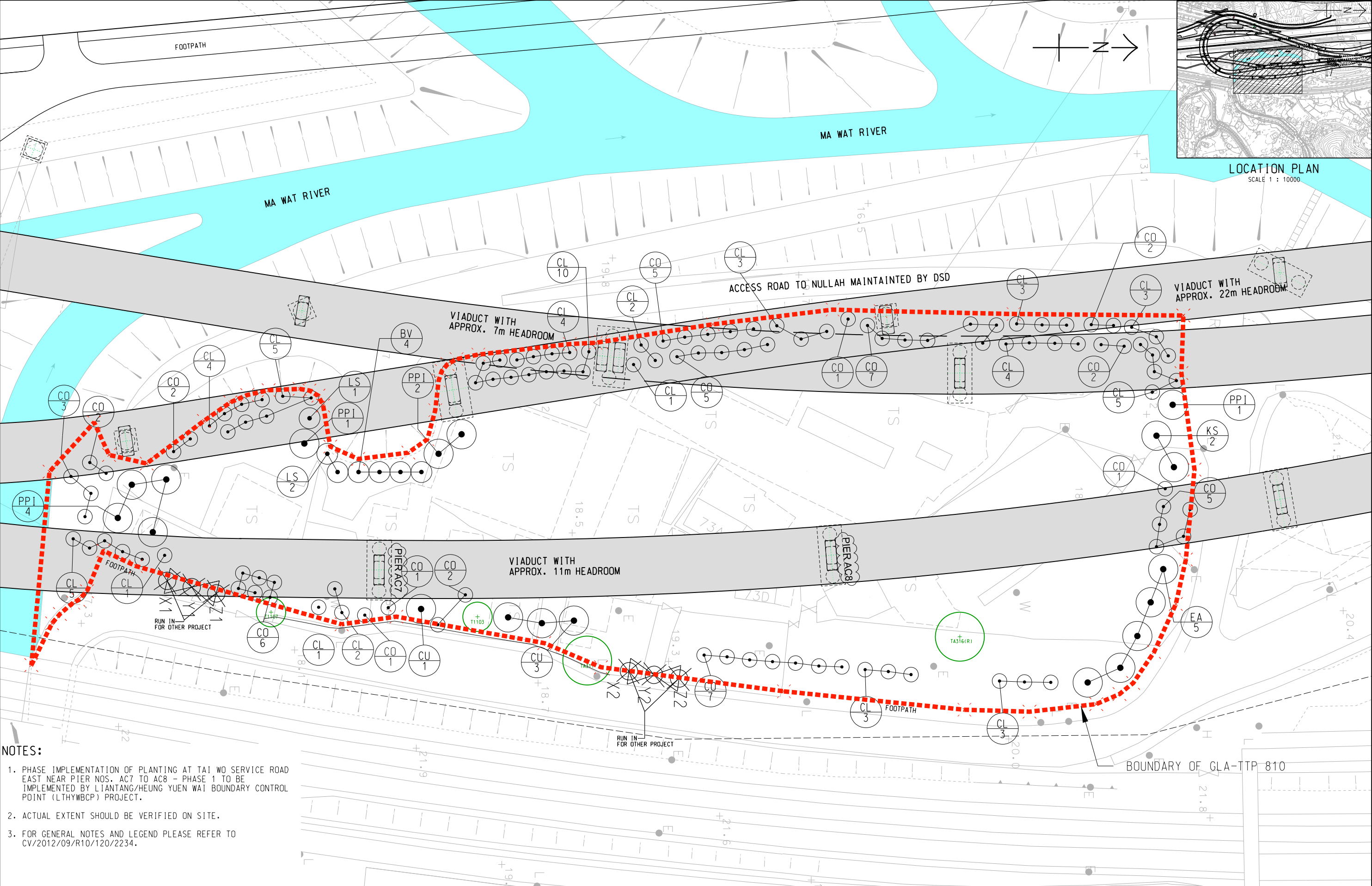
NOTES:

1. PHASE IMPLEMENTATION OF PLANTING AT TAI WO SERVICE ROAD EAST NEAR PIER NOS. AC7 TO AC8 - PHASE 2 TO BE IMPLEMENTED BY FANLING BYPASS EASTERN SECTION (FLBPES) PROJECT.

AECOM

PLANTING SCHEDULE

SCALE	N.T.S.	DATE	11-JUL-19
CHECKED	TNTK	DRAWN	IFPY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1930
DOCUMENT REFERENCE NO.		REV	A

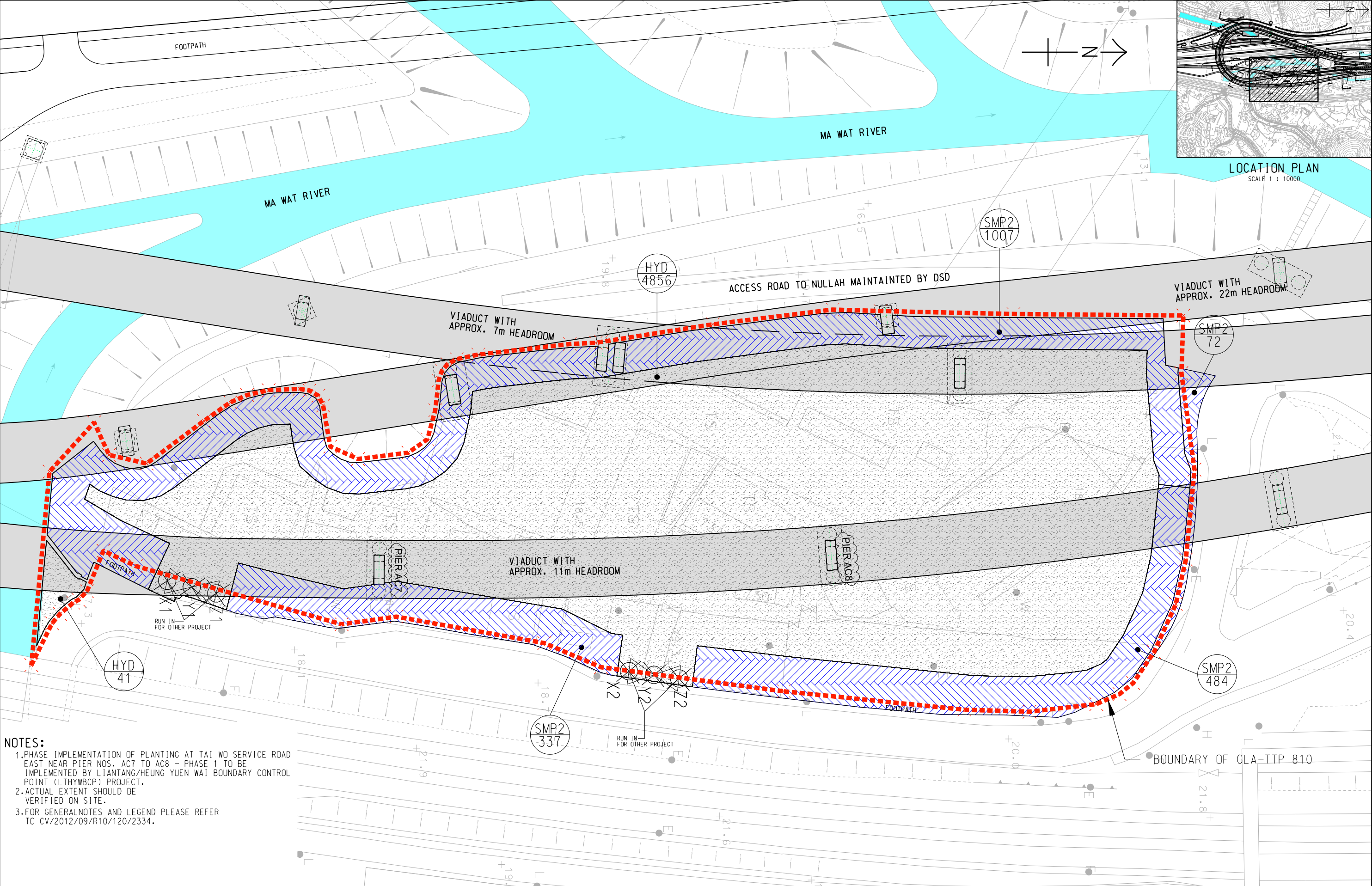


- NOTES:
- 1. PHASE IMPLEMENTATION OF PLANTING AT TAI WO SERVICE ROAD EAST NEAR PIER NOS. AC7 TO AC8 - PHASE 1 TO BE IMPLEMENTED BY LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (LTHYWBCP) PROJECT.
 - 2. ACTUAL EXTENT SHOULD BE VERIFIED ON SITE.
 - 3. FOR GENERAL NOTES AND LEGEND PLEASE REFER TO CV/2012/09/R10/120/2234.

AECOM

TREE PLANTING PLAN

SCALE	1:500 ON A3	DATE	06-JAN-21
CHECKED	TNTK	DRAWN	CYK
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1969
DOCUMENT REFERENCE NO.		REV	F



NOTES:
1. PHASE IMPLEMENTATION OF PLANTING AT TAI WO SERVICE ROAD EAST NEAR PIER NOS. AC7 TO AC8 - PHASE 1 TO BE IMPLEMENTED BY LIANTANG/HUENG YUEN WAI BOUNDARY CONTROL POINT (LTHYWBEP) PROJECT.
2. ACTUAL EXTENT SHOULD BE VERIFIED ON SITE.
3. FOR GENERAL NOTES AND LEGEND PLEASE REFER TO CV/2012/09/R10/120/2334.

AECOM

SHRUB PLANTING PLAN

SCALE	1:500 ON A3	DATE	6-JAN-21
CHECKED	TNTK	DRAWN	CYK
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1970
DOCUMENT REFERENCE NO.		REV	F

TREE PLANTING SCHEDULE (UNDER EP-404/2011/D)						
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY	REMARK
TREE PLANTING - NATIVE						
PPI	<i>Ilex rotunda</i>	鐵冬青	HEAVY STANDARD TREE	5000	8	Approved to be used as substitution for <i>Ilex rotunda</i> 水黃皮 in letter ref.: (CV/2012/09/C55/200/(D08485) dated 10 May 2018.
TREE PLANTING - EXOTIC						
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	3000	4	Approved to be used as substitution for <i>Crateva unilocularis</i> 樹頭菜 in letter ref.: (CV/2012/09/C55/200/(D08485) dated 10 May 2018.
CU	<i>Liquidambar formosana</i>	楓香	HEAVY STANDARD TREE	5000	4	
EA	<i>Elaeocarpus apiculatus</i>	尖葉杜英	HEAVY STANDARD TREE	5000	5	
KS	<i>Brachychiton acerifolius</i>	澳洲火焰木	HEAVY STANDARD TREE	5000	2	Approved to be used as substitution for <i>Khaya senegalensis</i> 非洲楝 in letter ref.: (CV/2012/09/C55/200/(D08485) dated 10 May 2018.
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	HEAVY STANDARD TREE	3000	3	-
PALM TREE						
OO	<i>Caryota ochlandra</i>	魚尾葵	2500 X 1500	3000	52	-
CL	<i>Dypsis lutescens</i>	散尾葵	2500 X 1500	3000	59	-
TOTAL					137	-

RETAINED TREE SCHEDULE						
TREE NO.	BOTANICAL NAME	CHINESE NAME	DBH (mm)	HEIGHT (m)	CROWN SPREAD (m)	PROPOSED TREATMENT
T1103	<i>Dimocarpus longan</i>	龍眼	205	3	4	RETAIN
T1107	<i>Mangifera indica</i>	杧果	278	4	3	RETAIN
TA316	<i>Mangifera indica</i>	杧果	454	8	7	RETAIN
TA317	<i>Bombax ceiba</i>	木棉	443	10	8	RETAIN

TOTAL: 4 NOS. OF RETAINED TREES

SHRUBS PLANTING SCHEDULE (UNDER EP-404/2011/D)							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY (nr)	AREA (m²)	REMARK
HYDROSEEDING							
HYD	Hydroseeding	-	-	-	-	4897	
SHRUB MIX PLANTING 2 (SMP 2)							
ACE	<i>Ardisia crenata</i>	朱砂根	400(H) x 350(S)	500	1756	1900	-
LRO	<i>Litsea rotundifolia</i>	豺皮樟	400(H) x 350(S)	500	1756		
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	500	1756		
MSA	<i>Melastoma sanguineum</i>	毛椴	400(H) x 350(S)	500	1756		
PAS	<i>Psychotria asiatica</i>	九節	400(H) x 350(S)	500	1756		
SUBTOTAL					8780	1900	
TOTAL					8780	6797	-

NOTES:

1. PHASE IMPLEMENTATION OF PLANTING AT TAI WO SERVICE ROAD EAST NEAR PIER NOS. AC7 TO AC8 – PHASE 1 TO BE IMPLEMENTED BY LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (LTHYWBCP) PROJECT.

(Please quote our reference when reply)

M E M O

From <u>PM(N), CEDD</u>	To <u>DEP</u>
Ref. () in <u>NDO-30-4160-772CL-4B</u>	(Attn.: Mr Steve T S LI, (SEPO (Strategic Assessment) 6)
Tel. No. <u>3547 1616</u> Fax No. <u>3547 1658</u>	Your Ref. () in
E-mail <u>samtam@cedd.gov.hk</u>	dated Fax. No. <u>2591 0558</u>
Date <u>5 January 2018</u>	Total Pages <u>2 + encl.</u>

**EP No. EP-473/2013/A
Fanling Bypass Eastern Section**

and

**EP No. EP-404/2011/D
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works**

Proposed Works Area at Kau Lung Hang, Tai Po

Further to the meeting among EPD, our Consultants AECOM and this Office on 15.11.2017, I write to seek your agreement on the proposed transferral of part of the tree planting responsibility at Kau Lung Hang from the Liantang / Heung Yuen Wai Boundary Control Point - Site Formation and Infrastructure Works project ("the BCP project") (EP No. EP-404/2011/D) to the Fanling Bypass Eastern Section (FLBP) project (EP No. EP-473/2013/A) to facilitate the establishment of a works area for the latter project.

2. The BCP project originally proposed to plant trees, which formed part of the visual mitigation measures required in the approved EIA report, at the concerned location upon completion of their project. Given the FLBP project intends to establish a works area at this same location from 2019 to 2024 after the BCP project, with an aim to conserve the environment, we had discussed on the following proposal,

- the BCP project will plant the outermost layer of trees circumferential to the site upon commissioning in end 2018;
- the remaining trees will be planted by the FLBP project by 2024 to avoid repeated tree removal and replanting (see **Appendix I**); and
- the landscape architect of the Planning Department had been consulted on the proposal and had no adverse comment from the landscaping point of view (see **Appendix II**).

3. To effect the above, we propose to absorb in our relevant part of the tree planting responsibility under the FLBP project by means of,

- The landscape plans to be submitted to DEP by the BCP project, as required under Clause 2.11 of the EP No. EP-404/2011/D, will annotate the phasing of the tree planting (i.e. Phase 1 - trees circumferential to the site to be planted upon the commissioning of the BCP project in end 2018; and Phase 2 - remaining trees at the site to be planted upon the commissioning of the FLBP project in 2024).

.../2

-2-

- The remaining trees to be planted in Phase 2 will be annotated in the layout plans of the FLBP project to be submitted to DEP as required in Clause 2.5 of the EP (EP No. EP-473/2013/A).
 - The FLBP project will undertake the planting and EM&A responsibilities of the trees in Phase 2.
4. We understand that the above arrangement would not effect any variation to the EPs of both projects as discussed in the meeting due to:
- the findings in the approved EIAs remain valid and no material change have been made to any of the mitigation measures in both projects; and
 - the holder of both EPs of the BCP and the FLBP project is the same.
5. Please advise your views on our above understanding and the follow up actions, if required, on both EPs of the projects **by 17 January 2018 (Wednesday)**.
6. Should you have any queries or require any further information on the above, please contact the undersigned and our Mr Tom LEUNG at 3547 1625.


(K S TAM)
for Project Manager (North)
Civil Engineering and Development Department

Encl.

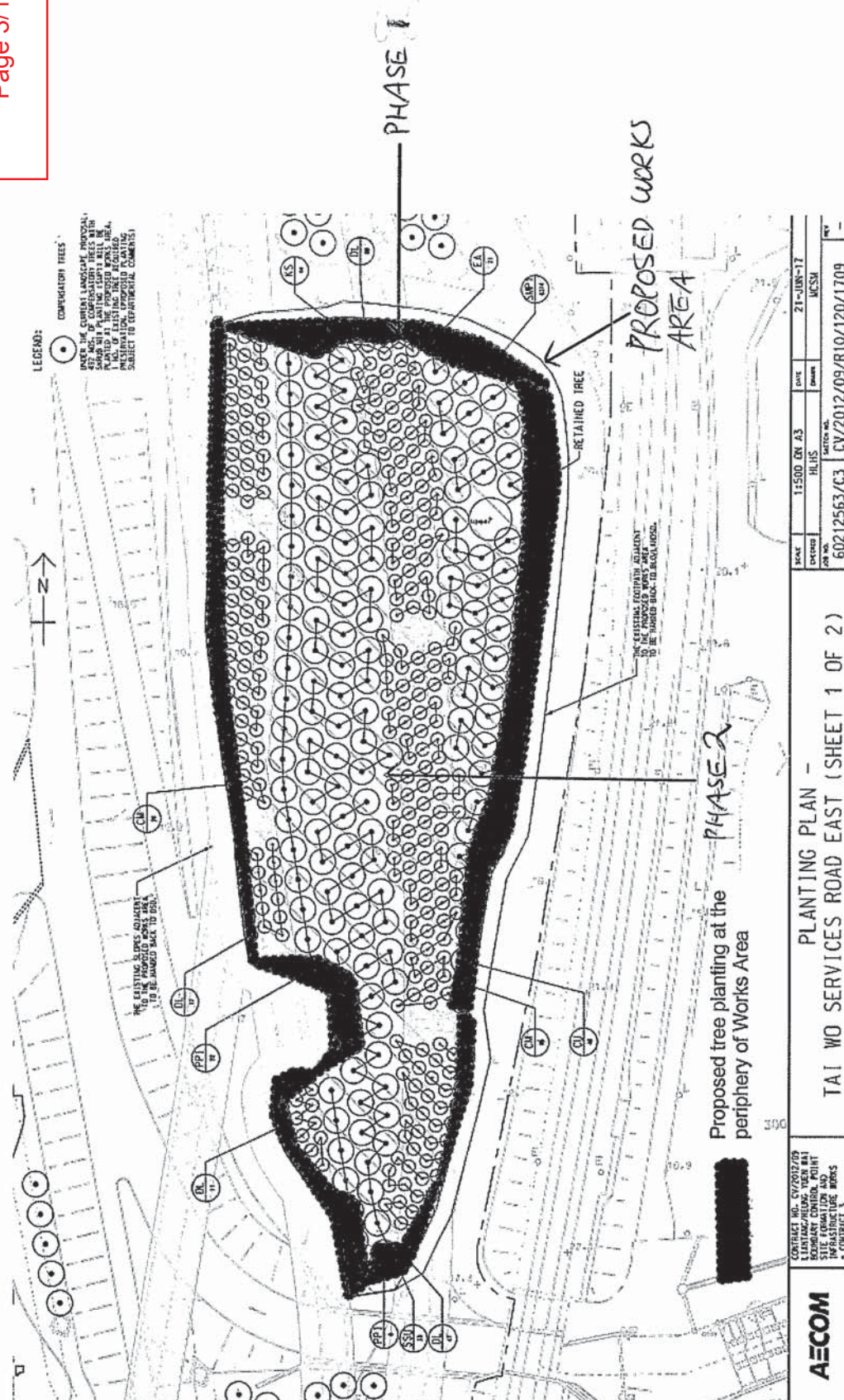
c.c. PlanD (Attn.: Ms Jaime N T PONG) By Fax: 2116 0752
AECOM Asia Co. Ltd (Attn.: Mr Igor HO) By Fax: 3922 9797

Internal
SE/1(N), SE/10(N), E/3(N), E/18(N) & E/23(N) - please note on file.

TL/S:\Division3\NTE2_NDA\CE13_2014\Outgoing Correspondence (letter memo)\Memo\20180105 - Memo - EPD - Proposed landscape treatment at Kau Lung Hang(B).docp

Proposed Tree Planting Plan under LT/HYW BCP Project

Appendix R
Correspondence 1
Page 3/11



☐ Urgent ☐ Return receipt ☐ Sign ☐ Encrypt ☐ Mark Subject Restricted ☐ Expand personal&public groups



RE: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct

14/12/2017 14:38

From: Jaime Nga Tuen PONG/PLAND/HKSARG@PLAND
To: WAI LOK LEUNG/CEDD/HKSARG@CEDD,

History: This message has been replied to and forwarded.

Appendix R
Correspondence 1
Page 4/11

Dear Tom,

I have no further comment on AECOM's response dated 10.8.2017 regarding the captioned arrangement from landscape impact perspective provided that the following can be resolved prior to your works commencement:

a) The landscape mitigation plan for the concerned area under CE45/2008 should be updated according to AECOM's confirmation email on 10.8.2017 and deposited to EPD and this office.

Compliance of EP condition (mentioned in my email to AECOM dated 8.8.2017)

b) You are reminded to liaise and clarify with EPD and the EP holder of LT BCP on the arrangement and feasibility for discharging the EP approval condition with omission of the compensatory planting at the concerned location.

c) If the concerned compensatory planting have to be postponed to end of 2023, it is anticipated that the works have to be implemented under FLBP project, the compliance of planting works implementation and tree preservation (木棉) should be to the satisfaction of the LandsD.

Regards

Jaime
LA1/UD&L Section
PlanD
Tel. 2231 4852

File: UD G/ENV/369

WAI LOK LEUNG Dear Jamie, Presumably you have no further com... 29/11/2017 11:15:15

From: WAI LOK LEUNG/CEDD/HKSARG@CEDD
To: "jntpong@pland.gov.hk" <jntpong@pland.gov.hk>,
Cc: "LEE Chun Fai, Alan" <alan.lee@lt-aecom.com>, "Lee, Wai Hung Allen" <allen.lee@aecom.com>, "Lui, Wing Hang Andy" <andy.lui@aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "Law, Hon Wing Henry" <henry.law@aecom.com>, "Ho, Wai Luek Igor" <igor.ho@aecom.com>, "perry.yam@lt-aecom.com" <perry.yam@lt-aecom.com>, "pllai@cedd.gov.hk" <pllai@cedd.gov.hk>, "Yan, Pun Him" <PunHim.Yan@aecom.com>

Date: 29/11/2017 11:15
Subject: RE: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct

Dear Jamie,

Presumably you have no further comment on our Consultants' response dated 10.8.2017 (quoted below). Please let us know the otherwise.

Regards,
Tom W L Leung
Engineer/41
New Territories East Development Office
Civil Engineering and Development Department
Tel: 3547 1625
Fax: 3547 1658
Email: wlleung@cedd.gov.hk

From: WAI LOK LEUNG/CEDD/HKSARG
To: "jntpong@pland.gov.hk" <jntpong@pland.gov.hk>,
Cc: "Lui, Wing Hang Andy" <andy.lui@aecom.com>, "LEE Chun Fai, Alan" <alan.lee@lt-aecom.com>, "Lee, Wai Hung Allen" <allen.lee@aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "Law, Hon Wing Henry" <henry.law@aecom.com>, "Ho, Wai Luek Igor" <igor.ho@aecom.com>, "perry.yam@lt-aecom.com" <perry.yam@lt-aecom.com>, "pllai@cedd.gov.hk" <pllai@cedd.gov.hk>, "Yan, Pun Him" <PunHim.Yan@aecom.com>
Date: 20/11/2017 10:20
Subject: RE: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct
EDMS No.: Doc. Src.: 1MJDL

Dear Jaime,

As discussed, grateful if you could please advise if you have further comments from the landscape point of view on our Consultants' response dated 10.8.2017 (quoted below).

For your information, we have been discussing with EPD on the procedures required to allowing the transfer of part of the tree planting responsibility from the BCP project to FLBP project. As the EP holder of both projects is DCED, such transfer could be carried out by means of incorporating the arrangement into the appropriate plans required to submit under the EPs (e.g. layout plans of FLBP and landscape plan of BCP).

We are prepared to submit the above proposal with more details to EPD in due course, but we will endeavor to resolve your further comments, if

any, from the landscaping point of view before we make such submission.

Many Thanks for your kind assistance.

Regards,
Tom W L Leung
Engineer/41
New Territories East Development Office
Civil Engineering and Development Department
Tel: 3547 1625
Fax: 3547 1658
Email: wlleung@cedd.gov.hk

From: "Lui, Wing Hang Andy" <andy.lui@aecom.com>
To: "jntpong@pland.gov.hk" <jntpong@pland.gov.hk>, "pangky@epd.gov.hk" <pangky@epd.gov.hk>,
Cc: "wlleung@cedd.gov.hk" <wlleung@cedd.gov.hk>, "pllai@cedd.gov.hk" <pllai@cedd.gov.hk>, "Lee, Wai Hung Allen" <allen.lee@aecom.com>, "Ho, Wai Luek Igor" <igor.ho@aecom.com>, "Yan, Pun Him" <PunHim.Yan@aecom.com>, "Law, Hon Wing Henry" <henry.law@aecom.com>, "perry.yam@lt-aecom.com" <perry.yam@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "LEE Chun Fai, Alan" <alan.lee@lt-aecom.com>
Date: 10/08/2017 15:37
Subject: RE: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct
EDMS No.: 1MJDL Doc. Src.:

Dear Jaime:

Please note our response to your comments with same numbering:

- a) We had conducted site searching for available works area in vicinity of our Fanling Bypass/Fanling North NDAs but there are no any suitable site with sufficient space except the present one underneath LT BCP viaduct, which is considered have sufficient space, no land issue(within gov land) and little environmental impact on nearby area;
- b) Our RSS team of LT BCP project has already been consulted, there are no feasible areas within their project site for implementation of the required compensatory planting;
- c) 1.5m wide continuous tree planting strip along the eastern boundary of the site can be provided for screening;
- d) Cross-section is attached to show the local roads, East Rail Line, proposed site office, indicative screen tree planting and the retained tree (木棉).
- e) We will liaise with EPD and EP holder of LT BCP on the arrangement of discharging the EP approval condition;
- f) Noted. Will discuss with LandsD later.

Dear Mr. Pang:

Refer to the series of emails, we would like to have a meeting with you together with our LT BCP site team and CEDD NTEDevO to discuss the arrangement and feasibility of discharging the EP.

Grateful if you could advise your available timeslots early next week for our further arrangement.
Thanks.

Andy Lui
Associate Director, Water & Urban Development
D +852-39229112
andy.lui@aecom.com

AECOM
13/F, Tower 2, Grand Central Plaza,
138 Shatin Rural Committee Road, Shatin, New Territories, Hong Kong
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aecom.com

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From: jntpong@pland.gov.hk [<mailto:jntpong@pland.gov.hk>]
Sent: Tuesday, August 08, 2017 3:36 PM
To: Lui, Wing Hang Andy <andy.lui@aecom.com>
Cc: wlleung@cedd.gov.hk; Lee, Wai Hung Allen <allen.lee@aecom.com>; Ho, Wai Luek Igor <igor.ho@aecom.com>; pllai@cedd.gov.hk; Yan, Pun Him <PunHim.Yan@aecom.com>
Subject: RE: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct

Dear Andy,

Further to your email below, we have the following initial advice for your follow up action from landscape impact assessment perspective:

Feasibility considerations

- a) Please provide information on the feasibility assessment of other available options and your rationale for recommended final option amongst all options.
- b) Please check with LT BCP project proponent whether there are other feasible areas within their project site other than your proposed site office location for implementation of the required quantity of compensatory planting as shown on drg. no. 60212563/C3/C00/1002D.
- c) For the site office, please allow at least 1.5m wide continuous tree planting strip along the eastern boundary of the site (parallel to East Rail) for screening purpose.
- d) As per item 2 below, please provide a cross-section which should cover the local road by the village, East Rail and your proposed site office (entire site) including the existing tree (木棉) and the indicative screen tree planting requirement listed above.

Compliance of EP condition

- e) You are reminded to liaise and clarify with EPD and the EP holder of LT BCP on the arrangement and feasibility for discharging the EP approval condition with omission of the compensatory planting at the concerned location.
- f) If the concerned compensatory planting have to be postponed to end of 2023, it is anticipated that the works have to be implemented under FLBP project, the compliance of planting works implementation and tree preservation (木棉) should be to the satisfaction of the LandsD.

Regards
Jaime
LA1/UD&L Section
PlanD
Tel. 2231 4852

From: "Lui, Wing Hang Andy" <andy.lui@aecom.com>
To: "jntpong@pland.gov.hk" <jntpong@pland.gov.hk>, "wlleung@cedd.gov.hk" <wlleung@cedd.gov.hk>,
Cc: "Lee, Wai Hung Allen" <allen.lee@aecom.com>, "Ho, Wai Luek Igor" <igor.ho@aecom.com>, "pllai@cedd.gov.hk" <pllai@cedd.gov.hk>, "Yan, Pun Him" <PunHim.Yan@aecom.com>
Date: 07/08/2017 19:19
Subject: RE: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct

Dear Jamie

Refer to Tom's email below, please note our reply in response to your preliminary comments below:

1. The existing tree will be preserved in the works area. It has been indicated in the revised works area plan. See attached sketch of works area.
2. The proposed site office structure should be blocked by the fencing of East Rail line. Only a small top portion of structure or even nothing will be seen by the nearby VSR depend on the actual height of structure. See attached indication on the photomontage.

Hope that it can ease your concern so that we can start dialogue with EPD in view of the tight schedule.

Regards,
Andy Lui
Associate Director, Water & Urban Development
AECOM
Tel: 3922 9112
From: wlleung@cedd.gov.hk [<mailto:wlleung@cedd.gov.hk>]
Sent: Monday, August 07, 2017 5:48 PM
To: Lui, Wing Hang Andy <andy.lui@aecom.com>
Cc: Lee, Wai Hung Allen <allen.lee@aecom.com>; Ho, Wai Luek Igor <igor.ho@aecom.com>; jntpong@pland.gov.hk; pllai@cedd.gov.hk; Yan, Pun Him <PunHim.Yan@aecom.com>

Subject: RE: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct
Importance: High

Dear Andy,

I called Ms. Jamie PONG just now and she has two preliminary comments on your proposal,

1. As you may be aware, there is one existing tree (木棉) which should be preserved in the works area. Please indicate it in your works area plan and ensure that your tentative site office will not clash with it.
2. It is not clearly understood the whereabouts of our works area and the location of the view point of your attached photomontage. Perhaps you could indicate to Ms. Pong direct by quickly drawing a section? I think your purpose to show the photomontage to Ms. Pong was to indicate that our site office should be "invisible" to the VSR nearby as it will be blocked by the embankment of East Rail Line. If so, please make it clear.

Please expedite to complete the above **by noon tomorrow** for PlanD to issue their comment to us, say by tomorrow. We will then talk to EPD within this week. Thanks.

Regards,
Tom W L Leung
Engineer/41
New Territories East Development Office
Civil Engineering and Development Department
Tel: 3547 1625
Fax: 3547 1658
Email: wlleung@cedd.gov.hk

From: "Lui, Wing Hang Andy" <andy.lui@aecom.com>
To: "jntpong@pland.gov.hk" <jntpong@pland.gov.hk>,
Cc: "wlleung@cedd.gov.hk" <wlleung@cedd.gov.hk>, "pllai@cedd.gov.hk" <pllai@cedd.gov.hk>, "Ho, Wai Luek Igor" <igor.ho@aecom.com>, "Lee, Wai Hung Allen" <allen.lee@aecom.com>, "Yan, Pun Him" <PunHim.Yan@aecom.com>
Date: 07/08/2017 15:56
Subject: RE: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct
EDMS No.: Doc. Src. :

Dear Jamie:

As discussed last week, the pieces of land involve the tree compensatory planting under LT/HYW BCP project which is scheduled to be carried out in early 2018.
It is also understood that EPD will only consider our case subject to PlanD's view on landscaping issue.

Therefore, we shall be grateful if you could advise your view as early as possible.

Regards,
Andy Lui
Associate Director, Water & Urban Development
AECOM
Tel: 3922 9112
From: Lui, Wing Hang Andy
Sent: Thursday, July 27, 2017 11:27 AM
To: jntpong@pland.gov.hk
Cc: Yan, Pun Him <PunHim.Yan@aecom.com>; Ho, Wai Luek Igor <Igor.Ho@aecom.com>; wlleung@cedd.gov.hk; pllai@cedd.gov.hk; Lee, Wai Hung Allen <allen.lee@aecom.com>
Subject: Agreement No.: CE 13/2014 (CE) - Proposed Works Area underneath LT BCP viaduct

Dear Jaime,

We are the Consultant commissioned by the Civil Engineering and Development Department (CEDD) to undertake the assignment of the Development of Kwu Tung North and Fanling North New Development Areas (NDAs), Phase 1 – Design and Construction.

The above project includes a proposed Fanling Bypass (FLBP), which provides a direct linkage between FLN NDA with the existing Fanling Highway - Tai Po to cope with the additional traffic generated from the NDAs. In order to facilitate the construction of the Fanling North NDA, government land close to the construction site is preferred to be the site office for the Resident Site Staff and Contractors.

Having searched the land in the vicinity of the project area, the area underneath the bridge of Liantang/Heung Yuen Wai Boundary Control Point (LT/BCP) project is identified as a suitable land for the site office in term of area and distance between the site and office. After seeking comments from the LT/BCP RSS team, it is noted that the mentioned area will be designated as compensatory planting area for the LT/BCP project. In order to sort out the Environment Permit (EP) issue, we would like to arrange a meeting to seek PlanD comment on delay implementation of part of the proposed landscaping works at LT/BCP for the purpose of accommodating our works area.

The proposed works area is located in the vicinity of VSR H21 at Yuen Leng. According to the LT EIA report Table 11.23, the residual impact significance upon mitigation during construction and operation Day 1 are moderate and slight respectively. Moreover, after considering the alignment of East Rail Line (ERL), which is located in between the concerned area and VSR H21, we believe that the view of the construction site office from VSR H21 will be blocked by the boundary wall of ERL. Therefore, we considered there is no adverse impact if delay implementation of proposed landscaping works underneath the bridge

structure.

Please find the location plan and photomontage of VSR H21 and Table 11.23 in the following link for your easy reference.

- Key Plan

http://www.epd.gov.hk/eia/register/report/eiareport/eia_1902010/EIA/HTML/Ch%2011%20LVGIA/Fig%2011.5.25.pdf

- Photomontage

http://www.epd.gov.hk/eia/register/report/eiareport/eia_1902010/EIA/HTML/Ch%2011%20LVGIA/Fig%2011.7.18.pdf

- Table 11.23

http://www.epd.gov.hk/eia/register/report/eiareport/eia_1902010/EIA/HTML/Ch%2011%20LVGIA/EIA_Ch11%20LVIA_html.htm#_Toc279738815

The construction of the proposed FLBP is scheduled to commence in end-2018 for completion by end-2023, to facilitate the first population intake of FLN NDA. The proposed time frame should match with the completion of LT/BCP project tentatively by the end of 2018. Attached please find the key plan, layout plan showing the works area location and the latest landscape plan proposed by our LT BCP RSS team for your reference. It is grateful if you can advise the necessary procedure that need to take.

We understand you are currently on leave and will be back next week, we shall be grateful if we could meet to discuss further.

Please feel free to contact the undersigned or P H Yan at 39228431 should you have any queries. Thanks.

Andy Lui
Associate Director, Water & Urban Development
D +852-39229112
andy.lui@aecom.com

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138 Shatin Rural Committee Road, Shatin, New Territories, Hong Kong
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aecom.com

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[attachment "Photomontage.pdf" deleted by Jaime Nga Tuen PONG/PLAND/HKSARG]
[attachment "Works Areas.pdf" deleted by Jaime Nga Tuen PONG/PLAND/HKSARG]
[attachment "LT Section.pdf" deleted by Jaime Nga Tuen PONG/PLAND/HKSARG]
[attachment "LT Plan.pdf" deleted by Jaime Nga Tuen PONG/PLAND/HKSARG]

MEMO		772CL-4B	
From	Director of Environmental Protection	PM(N), CE	
Ref.	() in Ax 1 to EP 2/N7/A/52	Sam K. S. TAM	
Tel. No.	2835 1142	in NDO-30-4160-772CL-4B	
Fax. No.	2591 0558	5 Jan 2018	Fax. No. 3547 1616
Date	27 Feb 2018	Total Pages	1 1657

**Fanling Bypass Eastern Section (FLBPES) project (EP-473/2013/A) and
Liantang / Heung Yuen Wai BCP (LT/HYWBCP) project (EP-404/2011/D)
Proposed Use of Tree Compensatory Planting Area under LT/HYWBCP project as
Works Area for Site Office under FLBPES project**

I refer to your MUR, emails of 9 and 13 Feb 2018, my email on 20 Feb 2018 and our (Tam/Li) phone discussion on 23 Feb 2018 on the above proposal, which involves a 2-phase implementation program. The 1st phase is to plant trees along the perimeter of the tree compensatory planting area at end 2018, while the inner part will be used for FLBPES project site office. Trees will be planted in the inner part when FLBPES project site office is removed in 2024.

2. This tree compensatory planting area is a landscape mitigation measure required for the LT/HYWBCP project under EP Condition 2.11, the details of which were given in the Landscape Plan approved by EPD on 4 Sep 2014. As mentioned at the meeting on 15 Nov 2017, the possibility could be explored on whether or not the above proposal might be effected by CEDD's submission of an Updated Landscape Plan, which will be considered by EPD, subject to the advice of PlanD on landscape matters as per EIAO-TM S.9. In parallel, CEDD might also explore the possibility on whether or not a Layout Plan could be submitted under Condition 2.5 of EP-473/2013/A to cover the proposed works area for site office under FLBPES project.

3. As discussed, in addition to the above, there is also the need to consider whether any information given in the EP for LT/HYWBCP project (and also the EP for FLBPES project) may have to be varied to accommodate the change(s) arising from the above proposal, e.g. condition(s), drawing(s)/figure(s) or table(s) in the EP(s). If affirmative, then VEP application(s) may be required.

4. We understand from the email exchanges attached to your MUR that PlanD appears to have no adverse comment on the proposal from landscape perspective, subject to the resolution of certain issues mentioned in PlanD's email of 14 Dec 2017. However, you still need to critically examine all the issues mentioned above, especially those in para. 3 above.

5. In view of the above, you may wish to re-examine all possible alternative sites for the FLBPES project site office in consultation with PlanD and LandsD. I understand from our discussion on 23 Feb 2018 that the meeting scheduled in the afternoon of 28 Feb 2018 WED would no longer be necessary, pending further advice from your office. Please feel free to give me a call or contact our Ms. Holy To / Mr. Chris Wong at 2835 1335 / 2835 1145 if you have any queries.



(Steve T.S. LI)
Senior Environmental Protection Officer
for Director of Environmental Protection

C.C. PlanD (Attn: Ms. Jaime N.T. PONG) Fax: 2116 0752
AECOM (Attn: Mr. Igor HO) Fax: 3922 9797

Internal E(SA)63 AE(SA)61 file ref.: Ax(26) to EP 1/G/42

Your Ref. :
Our Ref. : (CV/2012/09)/C55/200/(D11172)

22 October 2020

AECOM
12/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

Attn: Mr. Alan LEE (CRE of ND/2019/05)

Dear Sir,

Contract No. CV/2012/09
Liantang/Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3

Handover of Landscape Softworks within TGLA Lot No. GLA-TTP 810
to Contract No.: ND/2019/05

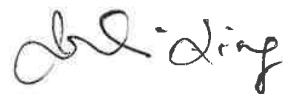
I am writing to record that the landscape softworks within TGLA Lot No. GLA-TTP 810 had been handed over from this contract, to the Contract No.: ND/2019/05 (FLBP) on 8 October 2020.

The following appendices are enclosed for your retention:-

- Appendix A** – Certified true copy of the Handover record endorsed on 8 October 2020;
Appendix B – Email correspondence between RSS of Contract No. CV/2012/09 and Contract No. ND/2019/05 regarding the issue;
Appendix C – A set of as-built drawings of the completed landscape softworks (5 sheets in total); and
Appendix D – Photographic record of rectified defects

Should you have any enquiry, please do not hesitate to contact my Senior Landscape Architect, Ms. Carol Leung, at 2171 3412.

Yours faithfully,



Julian Ling
Engineer's Representative
Senior Resident Engineer
AECOM Asia Co. Ltd.

Encl.

c.c. CEDD – Attn: Mr. P Y LU, Mr. Sam Tam
AECOM – Attn: Mr. Francis Leong/Ms. Elaine Lam/Mr. Chris Ho

JL/CLSY/TNTK/CW/RTTH/jfky

Handover Record

Date: 8 October 2020
Sheet no.: 1

Works:

Landscape Softworks within TGLA No. GLA-TTP 810 at Kau Lung Hang

Handover from CW (Contractor of Contract no. CV/2012/09): Name: <u>KC Lo</u> Date: <u>8 October 2020</u> Post: <u>Graduate Engineer</u> Signature: <u>[Signature]</u>	Checked By AECOM (RSS Team of Contract no. CV/2012/09): Name: <u>NGO TSE KEI</u> Date: <u>8 October 2020</u> Post: <u>LANDSCAPE ARCHITECT</u> Signature: <u>[Signature]</u>
Checked and Taken over By CCPYJV on 8 October 2020 (Contractor of Contract no. ND/2019/05): Name: <u>LEUNG HO YAN</u> Date: <u>8 October 2020</u> Post: <u>CONSTRUCTION TEAM LEADER</u> Signature: <u>[Signature]</u>	Checked By AECOM (RSS Team of Contract no. ND/2019/05): Name: <u>HEUNG WAI KIN</u> Date: <u>8 October 2020</u> Post: <u>LANDSCAPE ARCHITECT</u> Signature: <u>[Signature]</u>

Encl.

(Sketch nos.: CV/2012/09/R10/120/2234, CV/2012/09/R10/120/1969E, CV/2012/09/R10/120/1970E, and CV/2012/09/R10/120/2123C)

CERTIFIED TRUE COPY

Appendix S

***Created Wetland for the EP Approval Condition 2.10 –
Habitation Creation and Management Plan (Revision 2)
(Under Separate Submission)***



AECOM
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong
香港新界沙田鄉事會路 138 號新城
市中央廣場第 2 座 8 樓
www.aecom.com

+852 2251 0600 :
+852 2251 0698 :

H 08699

Your Ref. :
Our Ref. : (CV/2013/08)/C55/700/(H08699)

5 November 2018

Distribution List

Dear Sir/Madam,

Contract No. CV/2013/08
Liantang/Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 6

Environmental Permit No. EP-404/2011/A
Condition 2.10 – Habitat Creation and Management Plan (Revision 3)

In view of the public concerns on the gabion structure of the compensation wetland as approved in the Habitat Creation and Management Plan (Revision 2) dated 26 November 2015, we are pleased to advise that the design of the compensation wetland is revised corresponding to the public concerns; AFCD's comment given during the joint site inspection on 1 August 2018 and via emails afterwards.

We submit herewith the Habitat Creation and Management Plan (Revision 3) with updated information highlighted in yellow as attached in **Annex A** (Total 60 pages); a table of "Response to Comments" addressing comments from various authorities as attached in **Annex B** (Total 6 pages) and a set of post-inspection correspondences as attached in **Annex C** (Total 42 pages) for your further review and approval.

In view of tight construction programme of the captioned project, we would be grateful to have your reply by 30 November 2018. Should you have any queries, please contact my Senior Resident Landscape Architect – Ms. Carol Leung at 2171 3405.

Yours faithfully,


Simon Leung
Chief Resident Engineer
AECOM Asia Co. Ltd.

Encl.

c.c. CEDD/NDO – Attn: Mr. Joe Yip / Mr. Steve Lo
AUES – Attn: Mr. TW Tam
SMEC (IEC) – Attn: Mr. Antony Wong
AECOM – Attn: Mr. Francis Leong / Mr. Pat Lam

SL/CLS/BL/AW/PP/JCMY/CW/SSSC/elyh

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and associated works
(Site Formation and Infrastructures) – Design and Construction

Contract No. CV/2013/08

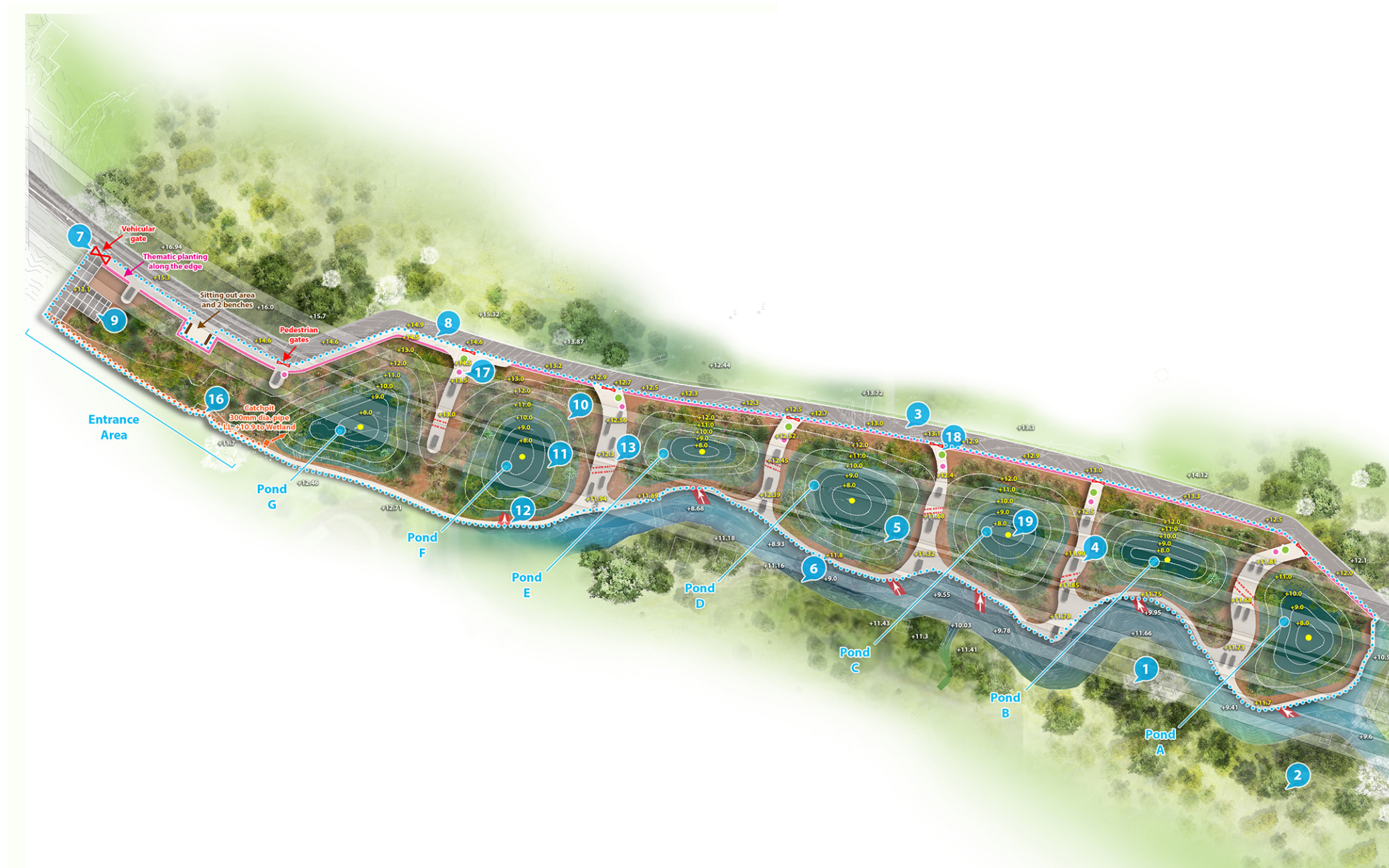
Liantang / Heung Yuen Wai Boundary Control Point

Site Formation and Infrastructure Works - Contract 6

Distribution List

Technical Submission of the Proposed Wetland Compensation Area
for the Habitat Creation and Management Plan

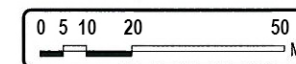
1.	Agriculture, Fisheries and Conservation Department Nature Conservation (North) Division Nature Conservation Section (North) 7/F, Cheung Sha Wan Government Offices, 303 Cheung Sha Wan Road, Kowloon <u>Attn: Ms. CHAN Sin Wai, Aidia</u> <u>(1 hard copy and 1 CD-ROM)</u>	2.	Drainage Services Department Operations & Maintenance Branch Mainland North Division North Section 5/F, 8/F, 11/F, 12/F & 13/F, Kowloon Government Offices, 405 Nathan Road, Kowloon <u>Attn: Mr. Wong Lap Chi, Anthony &</u> <u>Mr. Jonathan Li</u> <u>(1 hard copy and 1 CD-ROM)</u>
----	--	----	---



PROPOSED WETLAND COMPENSATION AREA
1:1500

LEGEND

- 1 proposed road D at above
- 2 existing landscape
- 3 proposed 6m footpath
- 4 proposed maintenance path
- 5 proposed wetland
- 6 ping yuen river
- 7 proposed access gate
- 8 proposed 1.2m tall railing to serve the boundary of wetland
- 9 proposed loading/ unloading bay with grasscrete pavement
- 10 water level in wet season (approx. +11.5)
- 11 water level in dry season (approx. +9.5)
- 12 proposed balancing pipe & gate valve at ping yuen river
- 13 proposed balancing pipe & gate valve across ponds
- 14 proposed finish ground level
- 15 existing spot level
- 16 300mm U-channel (1:50 fall)
- 17 proposed manual water supply
- 18 proposed life buoy
- 19 proposed water level ruler



LIANTANG/HEUNG YUEN WAI BOUNDARY
CONTROL POINT AND ASSOCIATED WORKS
(SITE FORMATION AND INFRASTRUCTURES)
- DESIGN AND CONSTRUCTION

Created Wetland for the EP Approval Condition 2.10 -
Habitation Creation and Management Plan (Revision 3)
(Sheet 1 of 1)

Figure no. 60212563/LM/S01
Date. Nov 2018



Appendix T

***Woodland Compensation Plan for the EP Approval Condition 2.9
(Under Separate Submission)***

本署檔號
OUR REF: (2) in EP 2/N7/A/52 Ax (1) Pt. 22
來函檔號
YOUR REF: (CV/2013/08)/M45/200/(H05538)
電話
TEL NO.: 2835 1113
圖文傳真
FAX NO.: 2591 0558
電子郵件
E-MAIL:
網址
HOMEPAGE: <http://www.epd.gov.hk>

**Environmental Protection Department
Branch Office**

28th Floor, Southorn Centre,
130 Hennessy Road,
Wan Chai, Hong Kong.



G 32256

軒尼詩道
一百三十號
修頓中心廿八樓

AECOM

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8/F, Grand Central Plaza, Tower 2
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+852 2251 0600 tel
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H 04838

Your Ref : (10) in EP 2/N7/A/52 Ax(1) Pt. 18
Our Ref : (CV/2013/08)/M45/200/(H04838)

26 June 2017

By Hand

Environmental Impact Assessment Ordinance Register Office
Environmental Protection Department
27/F, Southorn Centre,
130 Hennessy Road,
Wanchai, Hong Kong

Attn.: Mr. Charles Pang

Dear Sirs,

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Environmental Permit No. EP-404/2011/D
Condition 2.9 – Woodland Compensation Plan (Revision 2)

I refer to our captioned submission (Revision 1) on 8 September 2015 and your approval given via the above referenced letter dated 12 October 2015.

With reference to Condition 2.9 of the Environmental Permit (EP) No. EP-404/2011/D for the captioned Project, and on behalf of the Permit Holder, Civil Engineering and Development Department (CEDD), I would like to submit three hard copies of the Woodland Compensation Plan (Revision 2) for the Project titled "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works", which had been certified by the ET Leader and verified by the IEC for your approval.

Should you have any queries, please contact the undersigned or our Mr. Perry Yam at 2171 3350.

Yours faithfully,

Simon Leung
Chief Resident Engineer
AECOM Asia Co. Ltd.

Encl.

c.c. CEDD/BCP	- Attn: Mr. Steve Lo	
AECOM	- Attn: Mr. Francis Leong / Mr. Pat Lam	- 1 CD copy
SMEC(IEC)	- Attn: Mr. Antony Wong	- 1 CD copy
AUES(ET)	- Attn: Mr. T. W. Tam	- 1 CD copy

SL/MW/PY/tc

By Post and By Fax: 2251 0698

10 October 2017

AECOM
8/F Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin
Hong Kong
(Attn.: Mr. Simon LEUNG)

Dear Mr. Leung,

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Environmental Permit No. EP-404/2011/D
Condition 2.9 – Woodland Compensation Plan (Revision 2)

I refer to your letter of 26 June 2017 submitting the captioned Woodland Compensation Plan for our approval under the captioned Environmental Permit; and letter of 13 September 2017 clarifying the quantity of plantings work.

Pursuant to Section 2.9 of the Environmental Permit, I hereby approve the Woodland Compensation Plan (Revision 2). Please ensure that the recommendations in this Plan will be fully implemented.

Should you have any queries, please contact our Mr. Steve LI at 2835 1142.

Yours faithfully,

(Stanley LAU)
Acting Principal Environmental Protection Officer
for Director of Environmental Protection

Internal
S(RN)3

Our Ref: TCS00670/13/300/L1031

AECOM
8/f Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

Attn: Mr. Simon Leung

15 June 2017
By E-mail and fax
Fax: 2251 0698

Dear Sir,

Re: Agreement No. CE 45/2008 (CE)
Liantang/ Heung Yuen Wai Boundary Control Point and Associated Works
Woodland Compensation Plan (Revision 2)

With reference to the captioned report submitted to us via e-mail on 13 June 2017, please note that we have no adverse comment on this submission. We herewith certify the captioned report in accordance with *Condition 2.9* of Environmental Permit (EP) No. EP-404/2011/D.

Should you have any queries, please feel free to contact the undersigned at Tel: 2959-6059 or Fax: 2959-6079 or E-mail: twtam@fordbusiness.com.

Yours sincerely,
For and on Behalf of
Action-United Environmental Services & Consulting



T. W. Tam
Environmental Team Leader

cc SMEC (IEC) Attn: Mr. Antony Wong By e-mail

Unit A-C, 27/F Ford Glory Plaza
37- 39 Wing Hong Street
Cheung Sha Wan, Kowloon, Hong Kong
T +852 3995 8100 F +852 3995 8101 E hongkong@smec.com
www.smec.com

16 June 2017

Our ref: 7076192/L21913/AB/AW/MC/rw

AECOM
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, N.T.

By Email & Post

Attention: Mr Simon LEUNG

Dear Sirs

Agreement No. CE 45/2008 (CE)
Liantang/Heung Yuen Wai Boundary Control Point and Associated Works
Independent Environmental Checker – Investigation
Revised Woodland Compensation Plan (WCP)

Reference is made to the revised WCP (Rev. 2 dated June 2017) received by us on 26 May 2017 and certified by the ET Leader on 15 June 2017 (ET's ref.: TCS00670/13/300/ L1031). Please be noted that we have no adverse comments on the captioned submission. We herewith verify the captioned submission in accordance with Condition 2.9 of the Environmental Permit No. EP-404/2011/D.

Thank you for your attention and please do not hesitate to contact the undersigned on tel. 3995 8120 or by email to antony.wong@smec.com; or our Mr Man CHEUNG on tel. 3995 8132 or by email to man.cheung@smec.com.

Yours faithfully
for and on behalf of
SMEC Asia Limited



Antony WONG
Independent Environmental Checker

cc CEDD/BCP - Mr LU Pei Yu / Mr William CHEUNG by fax: 3547 1659
AECOM - Mr Pat LAM / Mr Perry YAM by email
AUES - Mr TW TAM by email

Agreement No. CE 38/2010 (CE)
Liantang/Heung Yuen Wai Boundary
Control Point and Associated Works (Site
Formation and Infrastructure) –
Design and Construction

Woodland Compensation Plan

(Revision 2)

June 2017

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1 INTRODUCTION

Background

- 1.1 The "Liantang/Heung Yuen Wai Boundary Control Point and Associated Works Project" (hereinafter referred to as "the Project") comprises a new Boundary Control Point (BCP) proposed at Liantang/Heung Yuen Wai (LT/HYW), its connecting road and other associated works. The Project comprises the following key components:
- Construction of BCP at the boundary with Shenzhen near the existing Chuk Yuen Village;
 - Lin Ma Hang to Frontier Closed Area (FCA) Boundary – this section comprises at-grade and viaducts and includes the improvement works at Lin Ma Hang Road;
 - Ping Yeung to Wo Keng Shan – this section stretches from the Frontier Closed Area Boundary to the tunnel portal at Cheung Shan and comprises at-grade and viaducts including an interchange at Ping Yeung;
 - North Tunnel – this section comprises the tunnel segment at Cheung Shan and includes a ventilation building at the portals on either end of the tunnel;
 - Sha Tau Kok Road – this section stretches from the tunnel portal at Wo Keng Shan to the tunnel portal south of Loi Tung and comprises at-grade and viaducts including an interchange at Sha Tau Kok and an administration building;
 - South Tunnel – this section comprises a tunnel segment that stretches from Loi Tung to Fanling and includes a ventilation building at the portals on either end of the tunnel as well as a ventilation building in the middle of the tunnel near Lau Shui Heung; and
 - Fanling – this section comprises the at-grade, viaducts and interchange connection to the existing Fanling Highway.
- 1.2 An Environmental Impact Assessment (EIA) study for the Project was conducted in accordance with EIA Study Brief No. ESB-199/2008. The EIA study concluded that the Project would be environmentally acceptable with the implementation of recommended mitigation measures.
- 1.3 The EIA Report (Register No.: AEIAR-161/2011) was approved on 24 March 2011 under the Environmental Impact Assessment Ordinance (EIAO). Following the approval of the EIA Report, an Environmental Permit (EP) was granted on 24 March 2011 (EP No.: EP-404/2011) for the construction and operation of the Project.
- 1.4 The EIA identified that direct loss of woodland habitats would result due to the proposed construction of the portals of tunnels and some sections of the connecting road. Woodland compensation was therefore recommended to mitigate the impacts due to the unavoidable loss of woodland. The EIA recommended that the hillside grassland and shrubland habitats near Cheung Shan could be a suitable location for the Woodland Compensation Area (WCA).
- 1.5 AECOM Asia Co. Ltd (AECOM) has been commissioned by the Civil Engineering and Development Department to update the Woodland Compensation Plan (WCP) in the EIA report.

Permit Requirements

- 1.6 Under the Environmental Permit (EP-404/2011), the Permit Holder shall update the Woodland Compensation Plan (WCP) in the EIA Report base on the Vegetation Survey Report referred to in Condition 2.8 of this Permit and, no later than three months before commencement of construction of the Project, submit 3 sets of updated Woodland Compensation Plan to the Director for approval. The submission shall set out the planting strategy including details of plantation species, specifications for the establishment of the habitats and subsequent maintenance and monitoring requirements for the Woodland Compensation Area of an area not less than 18.6 hectares shown in Figure 2a of this Permit. The compensation ratio for *Aquilaria sinensis* shall not be less than 3:1 (ie. more than three seedlings to one individual tree lost from the Project). Before submission to the Director, the WCP shall be certified by the ET Leader and verified by the IEC as confirmed to the information and recommendations contained in the approved EIA Report.

Objectives of the Establishment of Woodland Compensation Area

- 1.7 The objective of the WCA is to compensate the unavoidable loss of woodland by the Project by providing compensatory tree and shrub planting through the process of woodland creation on existing hillside non-woodland areas. This WCP would guide the implementation of the proposed woodland mitigation. This plan would set out the planting strategy, implementation programme, landscape inspection and ecological monitoring.

2 DESCRIPTION OF SITE

Location and Environment

- 2.1 The proposed WCA is located on the hillslopes of Cheung Shan. The location of the proposed WCA is shown in **Drawing No. 60212563/SK7037**.
- 2.2 The environment of the proposed area in the EIA stage was mainly shrubland and hillside grassland occur between areas of woodland habitat. To the north of the WCA are woodlands of Cheung Shan. The majority of the habitat at the south of the WCA is hillside grassland, with a small area of woodland habitat of Shan Tong. To the northwest of the WCA are small parts of adjacent woodlands and farther apart the developed areas of Cheung Shan and Shui Lau Hang.

Existing Site Condition

- 2.3 The proposed WCA is located in between Wo Keng Shan Road and Ng Chow Road. In between the two roads and next to Sha Tau Kok Road (Ma Mei Ha), there are village houses at Tai Tong Wu. After passing through the village houses, the road continues through wooded areas. Further along the road, a steep, narrow footpath leads uphill to the eastern part of the proposed WCA (**Drawing No. 60212563/SK7037** refers).
- 2.4 The proposed woodland compensation area is located on existing hillside grassland with existing trees and shrubs established next to the woodland at the periphery near Cheung Shan, Shan Tong and Shui Lau Hang. A number of site photographs were taken and shown in **Appendix 1**. The soil of the site is mainly composed of coarse ash crystal tuff, with debris flow deposits at the superficial.

Existing Ecological Interest

- 2.5 The proposed WCA is located on the hillslopes of Cheung Shan, where shrubland with trees and hillside grassland occur between areas of woodland habitat. The hillside grassland habitat is a modified habitat disturbed by hill fires. The grassland is mainly dominated by a dense cover of *Dicranopteris pedata* to approximately 1 m in height with *Baeckea frutescens* and *Rhodomirtus tomentosa*. The shrubland with trees at the fringe of the hillside grassland has also been modified habitat associated with hill fires. Areas with coverage of existing trees and shrubs were

established next to the woodland at the periphery near Cheung Shan, Shan Tong and Shui Lau Hang since the approval of the EIA Report. **Sketch No. CV/2013/08/SK1219** indicated the locations of hillside grassland and areas with coverage of existing trees and shrubs. Survey of the trees and shrubs species in the areas was conducted and results are listed in **Appendix 2**. Trees are dominated by *Alangium chinense*, *Cratogeomys cochinchinense*, *Endospermum chinense*, *Glochidion wrightii*, *Itea chinensis*, *Mallotus paniculatus*, *Phyllanthus emblica*, *Schefflera heptaphylla* and *Schima superba*. Shrubs are dominated by *Baeckea frutescens*, *Litsea rotundifolia* var. *oblongifolia*, *Melastoma candidum*, *Melicope pteleifolia*, *Melastoma sanguineum*, *Psychotria asiatica*, *Rhus chinensis* and *Rhodomyrtus tomentosa*. Exotic species including *Litchi chinensis*, *Leucaena leucocephala* and *Mikania micrantha* are found.

- 2.6 The woodlands adjacent to the WCA are secondary habitat derived from modified habitat with moderate floral diversity. Species recorded in the woodlands included *Alangium chinense*, *Aporosa dioica*, *Aquilaria sinensis*, *Bridelia tomentosa*, *Itea chinensis*, *Schima superba* and *Schefflera heptaphylla*. The woodland habitats had moderate ecological value.

3 WOODLAND COMPENSATION PLAN

Extent of Woodland Compensation Area

- 3.1 According to the EIA report, a total of 6.2 ha of woodland habitats would be lost permanently for the construction of the portals of tunnels and some sections of the connecting road. Mitigation measures in the form of woodland compensation were therefore recommended to avoid residual ecological impacts from the Project.
- 3.2 Due to the length of time required for the woodland planting to reach maturity (i.e. to simulate similar functions as the woodland to be removed), a compensation ratio of higher than 1:1 was recommended in the EIA to provide a surplus on the initial woodland area.
- 3.3 To offset the time lag between the implementation of the mitigation measures and the occurrence of the ecological impacts, as well as the possible unexpected difficulties that might hinder the progress of the compensation works during the establishment period, the WCA at a compensation ratio higher than 1:1 (approximately 18.6ha) is proposed.
- 3.4 The hillside grassland and shrubland habitats in close proximity to the existing woodland habitat have been selected to implement the woodland compensation due to the following reasons:

- their currently lower ecological value;
- similar topographical condition to the existing woodland habitats to be affected;
- potential value for ecological enhancement through natural succession;
- better ecological linkage with woodlands in the vicinity;
- site condition and soil type comparable to that of the existing woodlands; and
- location where construction disturbance could be avoided.

- 3.5 The potential WCA also meets the following land status criteria to avoid potential conflict with planned land uses:

- The area should be Government Land (or land to be resumed for the Project);
- The area should situate outside any permitted burial ground;

- The area should not be of incompatible land zoning, such as “Village” zone.

- 3.6 The location of the WCA is shown in **Drawing No. 60212563/SK7037**. The WCA is proposed on area in close proximity to the existing woodland areas to be lost, aiming to mitigate the local ecological impacts effectively. The WCA would cover mainly hillside grassland with some areas with coverage of existing trees and shrubs next to the woodland at the periphery near Cheung Shan, Shan Tong and Shui Lau Hang.

4 PLANTING STRATEGY

- 4.1 The compensatory planting would comprise species native to the local area, which are selected based on their suitability, stock availability in the market, and ecological values for the area.
- 4.2 The WCA is located at hillsides with some areas are steep slopes. For safety concern, planting works would be avoided at steep slopes.
- 4.3 The establishment period is the time when the soil and plants adjust to the environment and create the habitat. The woodland would be tolerant to change if allowed to stabilize over a period of time, and this would enhance the chance of survival of the plant species. The period of time for stabilization would be dependent on various factors including rainfall, temperature and vegetation growth.
- 4.4 To establish the woodland compensation area successfully and increase the diversity of species to be planted, the planting works would be carried out in two phases. These include initial planting phase and enhancement planting phase.
- 4.5 The Woodland Compensation will be implemented under the Contract 6 of the Assignment. The implementation programme for the initial and enhancement planting phase is shown in **Appendix 3**.

Initial Planting Phase

- 4.6 Not all tree species are suitable for planting on exposed areas. Pioneer species are selected to be planted in the initial planting phase in order to establish a brief canopy cover to improve the conditions for the additional planting in the next stage. Thinning of exotic pioneer species should be carried out where appropriate during the establishment period for initial planting phase. Plant species with higher tolerance to exposed planting conditions are recommended for the purpose of initial planting. The recommended plant species are shown in **Table 1**.

Table 1 Plant Species for Initial Planting Phase

Plant Species for Initial Planting - Phase				
Species	Spacing (mm)	Size (mm)	Percentage Mix	Planting Requirements
Trees				
Acacia confusa^	1500	Seedling Tree	20%	Trees to be planted in a group of 3 nos. to 5 nos. of the same species.
Acacia mangium^			20%	
Castanopsis fissa*			10%	
Litsea glutinosa*			10%	
Mallotus paniculatus*			10%	
Phyllanthus emblica*			10%	
Sapium discolor*			10%	
Schima superba*			10%	
Shrubs				
Polyspora axillaris*	750	250(H) x 250(S)	20%	Shrubs to be planted in a

Species	Spacing (mm)	Size (mm)	Percentage Mix	Planting Requirements
Melastoma malabathricum*			20%	group of 5 nos. to 8 nos. of the same species.
Melastoma sanguineum*			20%	
Rhaphiolepis indica*			20%	
Rhodomyrtus tomentosa*			20%	
Note: * Native Species ^ Pioneer Species -Shrub species Litsea rotundifolia proposed in the EIA Report is not available in the market and therefore it is not included in the initial planting phase.				

- 4.7 Seedlings are proposed for tree planting for their higher survival rate and vigor to withstand the exposed condition. The trees would be planted at 1.5 m spacing in staggered pattern, with shrubs planted in 750 mm spacing.
- 4.8 The initial tree planting in order to establish a brief canopy cover to improve the conditions for the enhancement planting in the next stage would be carried out in areas of hillside grassland, approximately 8.5ha, as shown in the Woodland Compensation Planting Plan for Initial Planting Phase **Sketch No. CV/2013/08/SK1217**. Initial tree planting in the areas with coverage of existing trees and shrubs is not required by considering that the existing vegetation covering effect is sufficient for carrying out enhancement planting.
- 4.9 At the hillside grassland where dominated by *Dicranopteris pedata*, ground preparation such as clearance of this species is required for planting the seedlings. After the planting of the seedlings, the seedlings should be monitored so that the planting areas are kept clear of *Dicranopteris pedata* or other species to avoid competition for light and other resources.

Enhancement Planting Phase

- 4.10 After the initial planting phase, the microclimatic conditions established by the pioneer species will create more suitable conditions for planting additional species to enhance the plant diversity. Species to be used in this stage are native species to Hong Kong but could not be planted in the initial phase due to their lower tolerance to exposed conditions. The plant species selected are shown in **Table 2**.

Table 2 Plant Species for Enhancement Planting Phase

Species	Spacing (mm)	Size (mm)	Percentage Mix	Planting Requirements
Trees				
<i>Acronychia pedunculata</i> */ <i>Bridelia tomentosa</i> *	1500	Seedling Tree	5%	Trees to be planted in a group of 3 nos. to 5 nos. of the same species.
<i>Alangium chinense</i> *			10%	
<i>Aporosa dioica</i> */ <i>Cinnamomum camphora</i> *			5%	
<i>Aquilaria sinensis</i> **			10%	
<i>Bischofia javanica</i> *			5%	
<i>Celtis sinensis</i> *			10%	
<i>Choerospondias axillaris</i> */ <i>Ficus hispida</i> *			5%	
<i>Cinnamomum parthenoxylon</i> *			5%	
<i>Endospermum chinense</i> */ <i>Garcinia oblongifolia</i> *			10%	
<i>Reevesia thyrsoidea</i> *			10%	

Species	Spacing (mm)	Size (mm)	Percentage Mix	Planting Requirements
<i>Schefflera heptaphylla</i> *			10%	
<i>Sterculia lanceolata</i> *			10%	
<i>Syzygium levinei</i> */ <i>Liquidambar formosana</i> *			5%	
Shrubs				
<i>Ficus hirta</i> *	750	250(H) x 250(S)	25%	Shrubs to be planted in a group of 5 nos. to 8 nos. of the same species.
<i>Ilex asprella</i> *			25%	
<i>Melicope pteleifolia</i> */ <i>Ardisia crenata</i> *			25%	
<i>Psychotria asiatica</i> *			25%	
Note : * Native Species # The number of seedlings of <i>Aquilaria sinensis</i> shall meet the minimum compensation ratio of 3:1 (i.e. more than 3 seedlings to 1 individual tree to be affected but unable to be transplanted). Seedlings collected within Works Area are the preferred source of stock of the species. They should be directly transplanted to suitable receptor sites within the proposed compensatory woodland areas or be temporarily kept in the transit nursery until the receptor sites are ready for planting. Seedlings of this species are also available in local nursery. However, if importation is required, a licence issued by AFCD under Cap. 586 should be acquired in advance.				

- 4.11 Seedlings are proposed for their higher vigor to be established. The trees would be planted at 1.5 m spacing, while shrubs would be planted in 750 mm spacing.
- 4.12 Where possible, existing native trees and shrubs should be retained and seedlings should be planted in the space between them.
- 4.13 In view of the situation that areas with existing trees and shrubs has provided coverage suitable for enhancement planting, the planting works will be carried out into two stages as shown in the Woodland Compensation Planting Plan for Enhancement Planting Phase **Sketch No. CV/2013/08/SK1218**.
- 4.14 Based on the Woodland Compensation Planting Area of 18.6ha, it is predicted that approximately 47,600 seedling trees and 142,800 shrubs will be planted in the initial phase. Among the seedlings, approximately 19,040 seedlings of pioneer species will be removed in the thinning process during the establishment works for the initial planting phase. Approximately, 28,153 new seedling trees and 84,432 shrubs will be planted during the enhancement planting phase. It is estimated that approximately a net total of 56,713 seedling trees and 227,232 shrubs will be planted within the Woodland Compensation Planting Area. Due to the existence of steep slopes and native trees to be retained on site, the actual number of seedling trees and shrubs to be planted in the WCA would be subject to the latest site condition.
- 4.15 Based on the Vegetation Survey Report submitted under Condition 2.8 of the EP, a total of 83 numbers of *Aquilaria sinensis* was lost due to the Project, including 48 numbers proposed to be felled and the rest were either felled by others, found dead or missing in the Initial Survey. The lost is compensated by planting of 2,815 numbers of seedlings of *Aquilaria sinensis* in the Woodland Compensation Area (WCA). The compensation ratio is about 34:1 which is higher than the Permit requirement.

Thinning Process

- 4.16 The objective of thinning process of exotic trees within the woodland compensation area is to improve the growth rate and health of the targeted native trees as well as allowing space for enhancement planting.
- 4.17 In areas with initial planting, thinning of exotic species shall be carried out when the crown and root

of the targeted native trees are healthy developed after the establishment period. Exotic species, *Acacia confusa* and *Acacia mangium*, shall be removed from the WCA to provide space for the native species for further growth in advance or during the enhancement planting. In areas where initial planting is not necessary, removal of exotic trees identified, such as *Litchi chinensis* and *Leucaena leucocephala* will be conducted in parallel with the first stage of enhancement planting.

- 4.18 Thinning works shall only be carried by using hand tools. The thinned trees will be left on the woodland floor as such wood can be decomposed naturally and will also provide habitat for various invertebrates and birds etc to enhance biodiversity of the area. The contractor shall provide detailed method statement for the thinning process prior to commencement of any thinning works.

Establishment of Firebreak

- 4.19 A history of fires is evident within and adjacent to the WCA as the natural successional stages from grassland to shrubland to forest are present. In addition, bare areas including charcoal were observed amongst the graves at Tai Hom Tuk indicating recent fires. A review of the land uses in the vicinity of the WCA indicates that the graves at Tai Hom Tuk are mostly probably the source of past fires in the area, particularly on the slopes of the WCA resulting in the grassland and shrubland habitats. The establishment of a firebreak between the WCA and the Tai Hom Tuk, graves, and area around the proposed WCA near any identified graves/burial ground is therefore recommended. The firebreak should consist of a mown strip of 10 – 20 m wide dependent upon the terrain, adjacent to a densely planted tree belt (no less than 15 m wide). Tree species to be included in the tree belt should be fast growing and could include Schima (*Schima superba*) (<1 m spacing) which has been widely used in fire breaks in South China. Other species that could be used include Castanopsis (*Castanopsis fissa*), Sweet Gum (*Liquidambar formosana*), Sweet Viburnum (*Viburnum odoratissimum*), Red Machilus (*Machilus thunbergii*), Ivy Tree (*Schefflera heptaphylla*).

5 PLANTING MANAGEMENT

- 5.1 The proposed planting management would include monitoring and establishment softworks, aiming to ensure the compensation meets the planting performance in accordance with the requirements of the planting strategy.
- 5.2 The specifications for planting and establishment works for woodland compensation would follow the General Specification for Civil Engineering Works (2006) Section 3 – Landscape Softworks and Establishment Works. Landscape inspection should be carried out at fortnightly intervals during planting period and at bi-monthly (i.e., once every two months) intervals during establishment period of the initial planting phase and enhancement planting phase.
- 5.3 Landscape inspections will assess whether the contractor has carried out the planting works in accordance with the contract during the planting phases and carried out regular planting establishment works in accordance with the specification of the contract, including replacement of dead plants, weeding and watering etc. Pre-planting works and site preparation works shall follow the General Specification and Particular Specification (**Appendix 4**) of the Contract.
- 5.4 Maintenance of the firebreak (e.g. grass cutting), to protect the WCA against hill fires, will also be required and should be carried out twice a year. Whilst this has been included in the implementation programme (**Appendix 3**), the firebreak could take 5-10 years to be fully functional and would therefore require on-going maintenance.

6 ECOLOGICAL MONITORING

- 6.1 To ensure the establishment of the woodland compensation area, a regular ecological monitoring programme covering both the initial and enhancement planting phases is proposed, in addition to the standard practices and site inspections regularly conducted by the Engineer. The necessity for further monitoring would be reviewed at the end of the ecological monitoring programme.
- 6.2 The ecological monitoring should be supervised by a qualified botanist/ecologist (Project Botanist/Ecologist) who would form part of the Environmental Team (ET).
- 6.3 Due to the large size of the WCA (18.6ha), monitoring is proposed to be conducted by inspection walk and quadrat sampling. As the inspection walk monitoring aims to observe the overview and general condition of the WCA, the transect routes should be selected to cover all representative areas of the WCA as far as possible. The general health condition (good/fair/poor/dead) and survival rate (%) of individual species of the planted trees and shrubs would be recorded by direct observation.
- 6.4 A minimum of nine fixed quadrats (20 m x 20 m) are proposed for monitoring, which aims to collect quantitative information. The quadrat locations will be based on the areas in which planting has been undertaken (i.e. as opposed to areas of retained trees and shrubs) and should be evenly distributed throughout the WCA, covering both grassland and hillslope habitats. Parameters to be measured within the quadrats include health condition (good/fair/poor/dead), and survival rate (%) of individual species. The proposed locations for the fixed quadrats are shown in **Drawing No. 60212563/SK7037**.
- 6.5 The frequency of the monitoring is proposed to be bi-monthly during the first year of the initial planting phase and should be reduced to quarterly from the second year. Change of monitoring frequency should be advised by the Project Ecologist/Botanist of the ET and approved by Environmental Protection Department and Agriculture, Fisheries and Conservation Department.
- 6.6 The Trigger and Action Levels for the monitoring and the Action Plan of the WCA are shown in **Table 3**.

Table 3 Trigger and Action Levels for Monitoring and Action Plan

Parameters	Trigger and Action Level	Action Plan
General Health Condition of planted species (i.e. good/fair/poor; based on parameters e.g. wilting, insect attack, disease, fungal infection, browsing damage)	Trigger Level: % of individual plant species in poor health condition >20%	<ul style="list-style-type: none"> - the ET should inform Contractor and IEC immediately; - identify the causes(s) of the exceedance; - advise Contractor the necessity of replanting.
	Action Level: % of individual plant species in poor health condition >30%	<ul style="list-style-type: none"> - the ET should inform Contractor and IEC immediately; - identify the cause(s) of the exceedance; - advise remedial action and work out solution including change of species in re-planting, re-soiling of the target areas; and seek acceptance from AFCD; - once the remedial action has been accepted by AFCD, the Contractor should implement the remedial action.

Parameters	Trigger and Action Level	Action Plan
Survival of Planted Species (i.e. dead)	Trigger Level: Survival rate of individual plant species <80%	<ul style="list-style-type: none"> - the ET should inform Contractor and IEC immediately; - identify the causes(s) of the exceedance; - advise Contractor the necessity of replanting.
	Action Level: Survival rate of individual plant species <70%	<ul style="list-style-type: none"> - the ET should inform Contractor and IEC immediately; - identify the cause(s) of the exceedance; - advise remedial action and work out solution including change of species in re-planting, re-soiling of the target areas; and seek acceptance from AFCD; - once the remedial action has been accepted by AFCD, the Contractor should implement the remedial action.

7 REPORTING

Introduction

- 7.1 The monitoring findings, site observations and recommendations should be reported in periodic monitoring reports. Agriculture, Fisheries and Conservation Department should be included in the circulation list of the monitoring reports.

Bi-monthly Woodland Compensation Monitoring Reports

- 7.2 The results and findings of the bi-monthly (i.e., once every two months) monitoring including the landscape inspection during the first year of the initial planting phase and the first year of the enhancement planting phase shall be recorded in the bi-monthly woodland compensation monitoring reports prepared by the ET Leader. The bi-monthly monitoring report shall be prepared and submitted within 10 working days from the end of each reporting month. Each bi-monthly monitoring report shall be submitted to the following parties: the Contractor, the IEC, the ER, CEDD, EPD and AFCD. Before the submission of the first bi-monthly monitoring report, the ET Leader shall liaise with the parties on the required number of copies and format of the monitoring reports in both hard copy and electronic medium.

- 7.3 The bi-monthly woodland compensation monitoring report shall include at least but not be limited to the following:

- (i) Executive summary:
- breaches of Action and Limit levels
 - changes made that affect the EM&A
 - future key issues
- (ii) Project background

(iii) Monitoring Requirements:

- monitoring parameters
- environmental quality performance limits (Action and Limit levels)
- Action Plans
- environmental mitigation measures, as recommended in the project EIA study final report
- environmental requirements in contract documents

(vi) Monitoring Results:

- monitoring methodology
- parameters monitored
- monitoring locations
- monitoring date, time, frequency, and duration
- weather conditions during the period/monitoring

(v) Analysis of Monitoring Results and Non-compliances:

- analysis and interpretation of monitoring results in the month
- any non-compliance (exceedances) of the environmental quality performance limits (Action and Limit levels)
- changes made that affect the monitoring during the month
- reasons for and the implications of non-compliance
- actions taken in the event of non-compliance and deficiency, and follow-up actions related to earlier non-compliance

(vi) Appendices

- monitoring schedule for the present and next reporting period
- outstanding issues and deficiencies

(vii) Outstanding works and any works accomplished during the reporting

Quarterly Woodland Compensation Monitoring Reports

- 7.4 Starting from the second year of the initial planting phase and the enhancement planting phase, the frequency of the monitoring is reduced to quarterly basis. The results and findings of the quarterly monitoring as well as the landscape inspection after the first year of the initial planting phase and the first year of the enhancement planting phase shall be recorded in the quarterly woodland compensation monitoring reports prepared by the ET Leader. The quarterly monitoring report shall be prepared and submitted within 10 working days from the end of each reporting month. Each quarterly monitoring report shall be submitted to the following parties: the Contractor, the IEC, the ER, CEDD, EPD and AFCD. Before the submission of the monitoring report, the ET Leader shall liaise with the parties on the required number of copies and format of the monitoring reports in both hard copy and electronic medium.

- 7.5 The reporting requirement for the quarterly woodland compensation monitoring report shall be the same as the bi-monthly monitoring report as stated in **Section 7.4**.

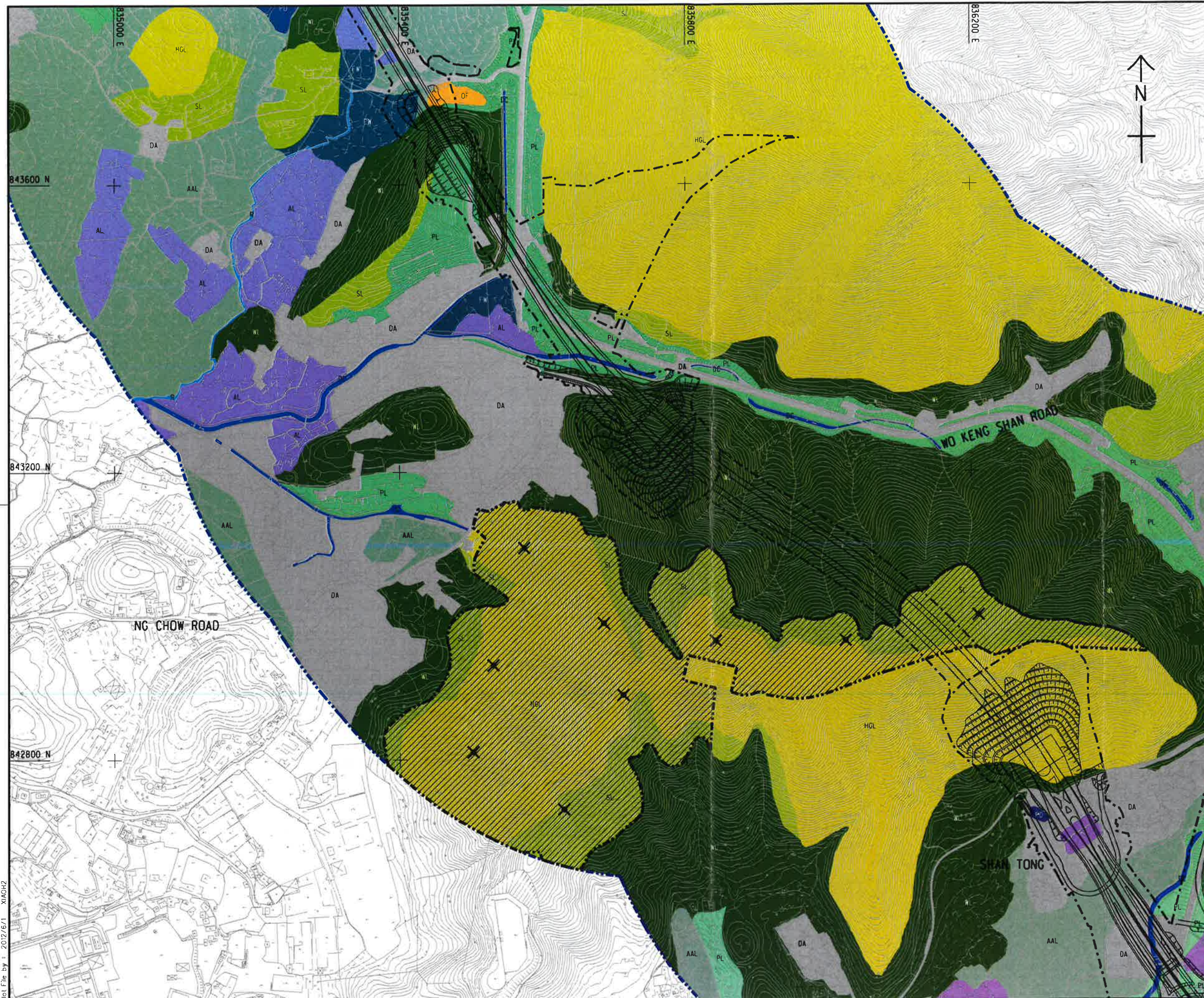
8 IMPLEMENTATION AND MAINTENANCE MANAGEMENT

- 8.1 As the woodland compensation is proposed on areas where no construction works are carried out, the implementation of the woodland compensation can start once the Project commences, therefore it is not necessary to wait for the completion of works. This has an advantage of shorter time lag between the occurrence of ecological impact and establishment of the mitigation measure.
- 8.2 Both the implementation and maintenance of the compensatory planting would be fully funded by the Project Proponent.
- 8.3 The management and maintenance of the woodland compensation area would be regulated by the Environment, Transport and Works Bureau Technical Circular (Works) No. 2/2004 – Maintenance of Vegetation and Hard Landscape Features. According to the technical circular, AFCD would maintain the ecological planting as recommended by the EIA till the vegetation is fully established. The Project department should properly establish the designated WCA before handing over and provide necessary recurrent cost for the maintenance and monitoring works.

9 CONCLUSION

- 9.1 The Woodland Compensation Plan has been developed to facilitate the establishment of the Woodland Compensation Area of 18.6ha to mitigate the loss of woodland habitats due to the construction and operation of the Project – Liantang/Heung Yuen Wai Boundary Control Point and Associated Works. The proposed WCA would be provided with a compensation ratio higher than 1:1. The planting works would be carried out in two phases (i.e. initial planting phase and enhancement planting phase). The purpose of initial planting phase is to establish a brief canopy cover by using pioneer species. With canopy cover, additional native tree and shrub species would be planted in the enhancement planting phase to increase the plant diversity. Where areas with existing trees and shrubs suitable for carrying out enhancement planting, initial planting will not be conducted in the areas and the enhancement planting will be conducted earlier. For proper implementation of the planting works, establishment works and ecological monitoring would be conducted for the duration of Contract 6. The monitoring findings and recommendations would be included in periodic EM&A reports.

Figures



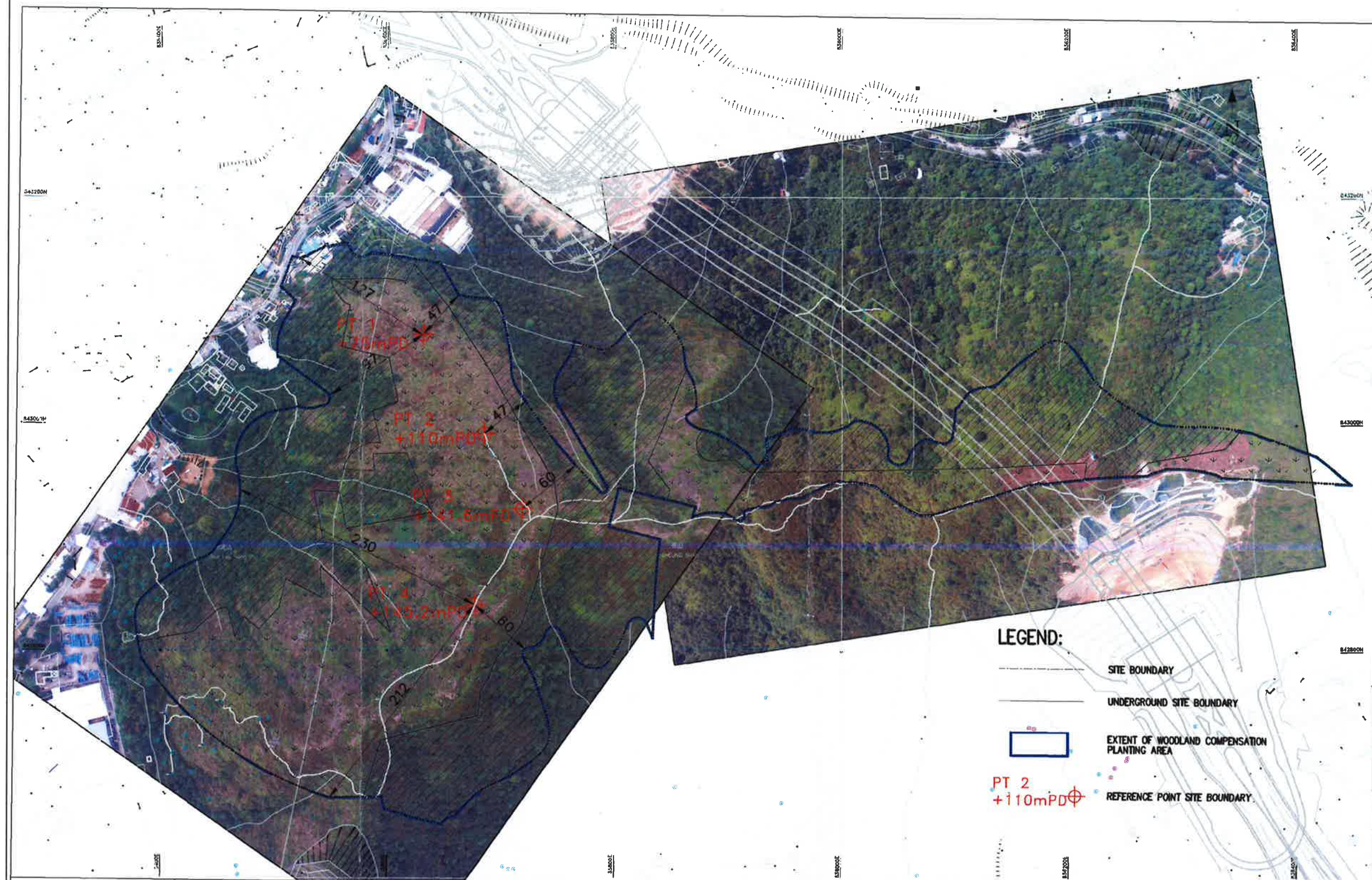
KEY PLAN
SCALE 1 : 150000

LEGEND:

- 500m ASSESSMENT AREA
- TENTATIVE WORKS AREA
- TUNNEL SECTION
- WOODLAND
- SHRUBLAND
- PLANTATION
- FRESHWATER WETLAND (WET AGRICULTURAL LAND (ACTIVE/ABANDONED))
- ACTIVE AGRICULTURAL LAND
- ABANDONED AGRICULTURAL LAND
- HILLSIDE GRASSLAND
- POND
- DRAINAGE CHANNEL
- WATERCOURSE
- OPEN FIELD
- DEVELOPED AREA
- EXTENT OF WOODLAND COMPENSATION PLANTING AREA
- TENTATIVE WOODLAND MONITORING QUADRAT (THE EXACT LOCATION TO BE DETERMINED BY THE ENGINEER ON SITE)

REV.	DESCRIPTION	DATE	BY	
1	ISSUED FOR TENDER	2012/6/1	XIAOCH2	
		土木工程拓展署 Civil Engineering and Development Department		
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT AND ASSOCIATED WORKS (SITE FORMATION AND INFRASTRUCTURES) - DESIGN AND CONSTRUCTION				
PROPOSED WOOLAND COMPENSATION AREA				
AECOM				
DRGNO. 60212563/SK7037				
DESIGNED BY 設計	Y.W.	CONTRACT NO. 合約編號	P. DIR. APPROVED 負責人	
DRAWN BY 繪圖	Y.J.P.	STATUS 校核		
SCALE 比例	A1 1 : 2500			
DIMENSIONS ARE IN 尺寸單位		METRES		
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DATE: 11/12/16
BY: JYH
FILE: 11/12/16



LEGEND:

- SITE BOUNDARY
- UNDERGROUND SITE BOUNDARY
- EXTENT OF WOODLAND COMPENSATION PLANTING AREA
- REFERENCE POINT SITE BOUNDARY

LEGEND:

- BOUNDARY OF WOODLAND COMPENSATION PLANTING AREA
- AREA WITH COVERAGE OF EXISTING TREES AND SHRUBS
- AREAS OF HILLSIDE GRASSLAND

REFERENCE:

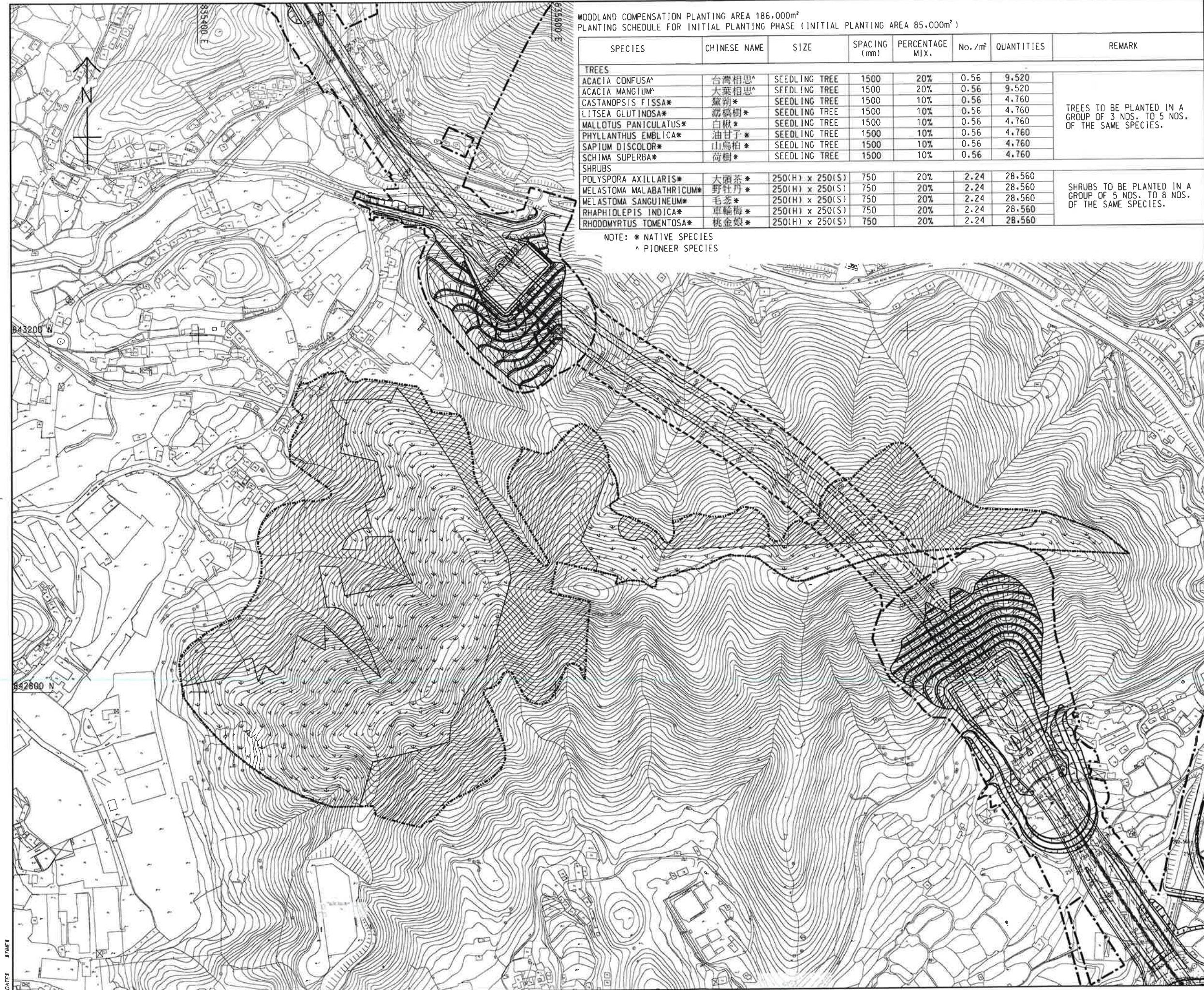
Rev.	Date	Description	Drawn	Prepared	Checked
1	11/12/16	ISSUE FOR CONSTRUCTION	MCYT	CW	

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: AERIAL VIEW OF EXISTING
WOODLAND COMPENSATION AREA

SKETCH NO. CV/2013/08/SK1219 SCALE
N.T.S.



ROADS
STAKES
PATH/FIELDS

WOODLAND COMPENSATION PLANTING AREA 186,000m²
PLANTING SCHEDULE FOR INITIAL PLANTING PHASE (INITIAL PLANTING AREA 85,000m²)

SPECIES	CHINESE NAME	SIZE	SPACING (mm)	PERCENTAGE MIX.	No. /m ²	QUANTITIES	REMARK
TREES							
ACACIA CONFUSA [^]	台灣相思 [^]	SEEDLING TREE	1500	20%	0.56	9,520	TREES TO BE PLANTED IN A GROUP OF 3 NOS. TO 5 NOS. OF THE SAME SPECIES.
ACACIA MANGIUM [^]	大葉相思 [^]	SEEDLING TREE	1500	20%	0.56	9,520	
CASTANOPSIS FISSA*	蠟樹*	SEEDLING TREE	1500	10%	0.56	4,760	
LITSEA GLUTINOSA*	潺槁樹*	SEEDLING TREE	1500	10%	0.56	4,760	
MALLOTUS PANICULATUS*	白楸*	SEEDLING TREE	1500	10%	0.56	4,760	
PHYLLANTHUS EMBLICA*	油甘子*	SEEDLING TREE	1500	10%	0.56	4,760	
SAPIUM DISCOLOR*	山烏桕*	SEEDLING TREE	1500	10%	0.56	4,760	
SCHIMA SUPERBA*	荷樹*	SEEDLING TREE	1500	10%	0.56	4,760	
SHRUBS							
POLYSPORA AXILLARIS*	大頭茶*	250(H) x 250(S)	750	20%	2.24	28,560	SHRUBS TO BE PLANTED IN A GROUP OF 5 NOS. TO 8 NOS. OF THE SAME SPECIES.
MELASTOMA MALABATHRICUM*	野牡丹*	250(H) x 250(S)	750	20%	2.24	28,560	
MELASTOMA SANGUINEUM*	毛蕊*	250(H) x 250(S)	750	20%	2.24	28,560	
RHAPHIOLEPIS INDICA*	車輪梅*	250(H) x 250(S)	750	20%	2.24	28,560	
RHODOMYRTUS TOMENTOSA*	桃金娘*	250(H) x 250(S)	750	20%	2.24	28,560	

NOTE: * NATIVE SPECIES
^ PIONEER SPECIES

NOTES:

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WOODLAND COMPENSATION PLANTING PLAN FOR ENHANCEMENT PLANTING PHASE (DRG NO. CV/2013/08/SK1218).
- ALL SEEDLING TREES AND SHRUBS SHALL BE PLANTED ACCORDING TO THE STATED SPACING IN STAGGERED PATTERN.
- WOODLAND COMPENSATION PLANTING PLAN FOR INITIAL PLANTING PHASE SHALL BE CARRIED OUT AT THE EARLY STAGE AFTER COMMENCEMENT OF THE CONTRACT.
- THE CONTRACTOR SHALL PROVIDE DETAILED METHOD STATEMENT INCLUDING WORKING METHODOLOGY AND PROGRAMME FOR IMPLEMENTATION WOODLAND COMPENSATION PLANTING OR INITIAL PLANTING PHASE WITHIN 3 MONTHS AFTER COMMENCEMENT OF THE CONTRACT. THINNING OF EXOTIC PIONEER SPECIES SHOULD BE CARRIED OUT WHERE APPROPRIATE DURING THE ESTABLISHMENT PERIOD FOR INITIAL PLANTING PHASE.

LEGEND:

- SITE BOUNDARY
- UNDERGROUND SITE BOUNDARY
- BOUNDARY OF WOODLAND COMPENSATION PLANTING AREA
- AREA WITH COVERAGE OF EXISTING TREES AND SHRUBS
- INITIAL PLANTING AREA

REFERENCE:

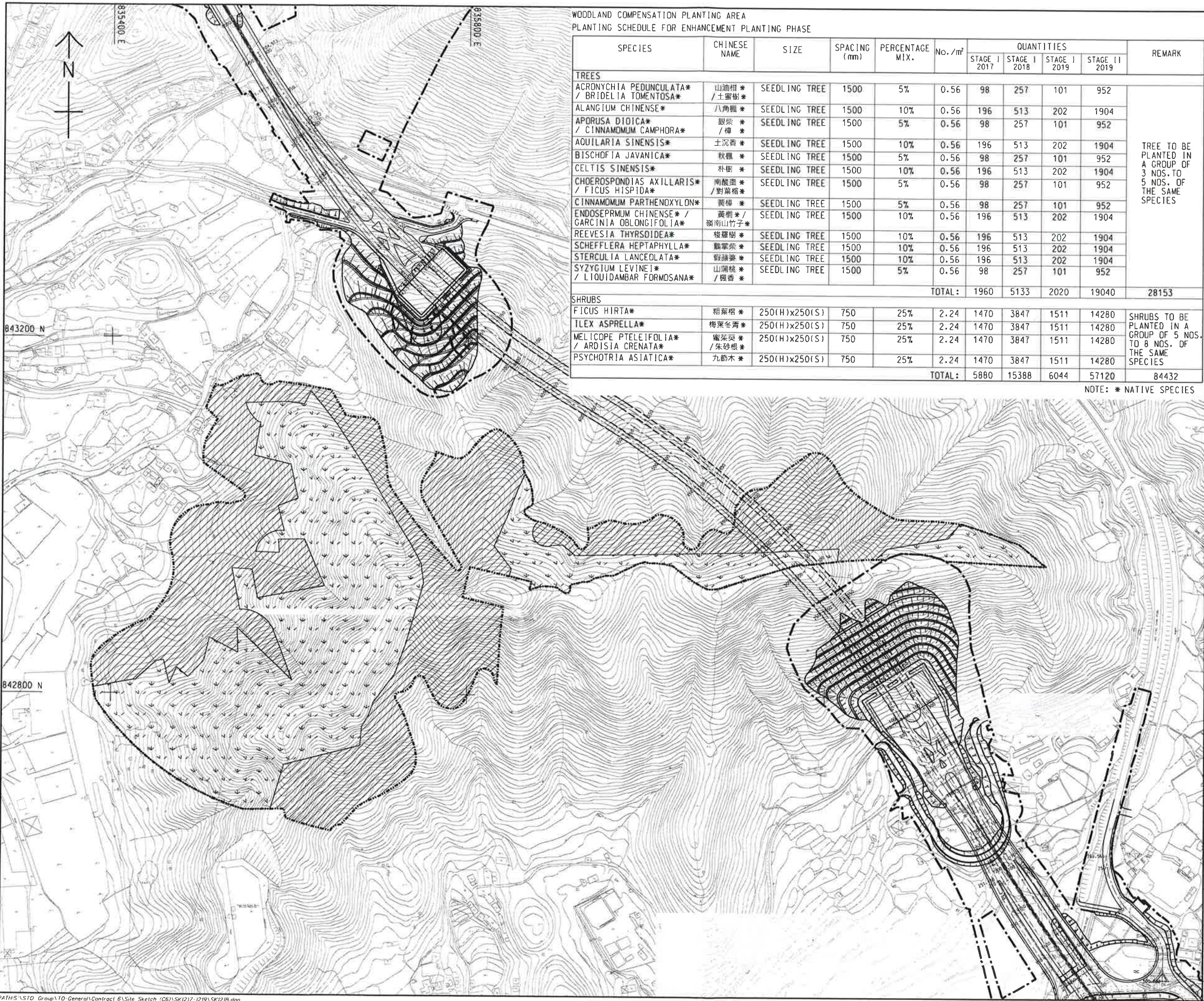
Rev.	Date	Description	Drawn	Prepared	Checked
01/12/16		ISSUE FOR CONSTRUCTION	MCYT	CW	

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WOODLAND COMPENSATION
PLANTING PLAN FOR
INITIAL PLANTING PHASE

SKETCH NO. CV/2013/08/SK1217 SCALE 1:4000(A31)



WOODLAND COMPENSATION PLANTING AREA
PLANTING SCHEDULE FOR ENHANCEMENT PLANTING PHASE

SPECIES	CHINESE NAME	SIZE	SPACING (mm)	PERCENTAGE MIX.	No. /m ²	QUANTITIES				REMARK
						STAGE I 2017	STAGE I 2018	STAGE I 2019	STAGE II 2019	
TREES										
ACRONYCHIA PEDUNCULATA* / BRIDELIA TOMENTOSA*	山油柑* / 土蜜樹*	SEEDLING TREE	1500	5%	0.56	98	257	101	952	TREE TO BE PLANTED IN A GROUP OF 3 NOS. TO 5 NOS. OF THE SAME SPECIES
ALANGIUM CHINENSE*	八角楓*	SEEDLING TREE	1500	10%	0.56	196	513	202	1904	
APORUSA DIOICA* / CINNAMOMUM CAMPHORA*	銀柴* / 樟*	SEEDLING TREE	1500	5%	0.56	98	257	101	952	
AQUILARIA SINENSIS*	土沉香*	SEEDLING TREE	1500	10%	0.56	196	513	202	1904	
BISCHOFIA JAVANICA*	秋楓*	SEEDLING TREE	1500	5%	0.56	98	257	101	952	
CELTIS SINENSIS*	朴樹*	SEEDLING TREE	1500	10%	0.56	196	513	202	1904	
CHOEROSPONDIAS AXILLARIS* / FICUS HISPIDA*	南酸樹* / 對葉榕*	SEEDLING TREE	1500	5%	0.56	98	257	101	952	
CINNAMOMUM PARTHENOXYLON*	黃樟*	SEEDLING TREE	1500	5%	0.56	98	257	101	952	
ENDOSEPRMUM CHINENSE* / GARCINIA OBLONGIFOLIA*	黃樟* / 嶺南山竹子*	SEEDLING TREE	1500	10%	0.56	196	513	202	1904	
REEVESIA THYRSOIDEA*	梭羅樹*	SEEDLING TREE	1500	10%	0.56	196	513	202	1904	
SCHEFFLERA HEPTAPHYLLA*	鵝掌柴*	SEEDLING TREE	1500	10%	0.56	196	513	202	1904	
STERCULIA LANCEOLATA*	假蘋婆*	SEEDLING TREE	1500	10%	0.56	196	513	202	1904	
SYZYGIVM LEVINEI* / LIQUIDAMBAR FORMOSANA*	山蒲桃* / 楓香*	SEEDLING TREE	1500	5%	0.56	98	257	101	952	
TOTAL :						1960	5133	2020	19040	28153
SHRUBS										
FICUS HIRTA*	粗葉榕*	250(H)x250(S)	750	25%	2.24	1470	3847	1511	14280	SHRUBS TO BE PLANTED IN A GROUP OF 5 NOS. TO 8 NOS. OF THE SAME SPECIES
ILEX ASPRELLA*	梅葉冬青*	250(H)x250(S)	750	25%	2.24	1470	3847	1511	14280	
MELICCOPE PTELEIFOLIA* / ARDISIA CRENATA*	蜜葉菜* / 朱砂根*	250(H)x250(S)	750	25%	2.24	1470	3847	1511	14280	
PSYCHOTRIA ASIATICA*	九節木*	250(H)x250(S)	750	25%	2.24	1470	3847	1511	14280	
TOTAL :						5880	15388	6044	57120	84432

NOTE: * NATIVE SPECIES

NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WOODLAND COMPENSATION PLANTING PLAN FOR INITIAL PLANTING PHASE (DRG NO. CV/2013/08/SK1217).
2. ALL SEEDLING TREES AND SHRUBS SHALL BE PLANTED ACCORDING TO THE STATED SPACING IN STAGGERED PATTERN.
3. THE CONTRACTOR SHALL PROVIDE DETAILED METHOD STATEMENT INCLUDING WORKING METHODOLOGY AND PROGRAMME FOR IMPLEMENTATION WOODLAND COMPENSATION PLANTING PLAN FOR ENHANCEMENT PLANTING PHASE AT LEAST 3 MONTHS BEFORE THE COMMENCEMENT OF THE PLANTING WORKS.
4. THE PLANTING WORKS FOR ENHANCEMENT PLANTING PHASE SHALL BE CARRIED OUT THE LOCATIONS AFTER THINNING OF EXOTIC PIONEER SPECIES PLANTED IN THE INITIAL PLANTING PHASE. ENHANCEMENT PLANTING SHALL BE PLANTED BETWEEN THE CANOPY SHELTER ESTABLISHED IN THE INITIAL PLANTING PHASE.

LEGEND:

- SITE BOUNDARY
- UNDERGROUND SITE BOUNDARY
- BOUNDARY OF WOODLAND COMPENSATION PLANTING AREA
- STAGE I ENHANCEMENT PLANTING IN AREAS WITH EXISTING TREES AND SHRUBS
- STAGE II ENHANCEMENT PLANTING IN AREAS WITH INITIAL PLANTING

REFERENCE:

Rev.	Date	Description	Drawn	Prepared	Checked
1	01/12/16	ISSUE FOR CONSTRUCTION	MCYT	CW	

AECOM


CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: WOODLAND COMPENSATION
PLANTING PLAN FOR
ENHANCEMENT PLANTING PHASE

SKETCH NO. CV/2013/08/SK1218

SCALE
1:4000(A3)

Appendix 1 - Woodland Compensation Area - Site Photos

	Agreement No. CE 38/2010 (CE) Liantang/Heung Yuen Wai Boundary Control Point and associated works (Site Formation and Infrastructures) – Design and Construction	SCALE	N.T.S.	DATE	Jan-13
	Woodland Compensation Area - Site Photos	CHECK	-	DRAWN	CMH
		JOB NO.	60212563	DRAWING No.	Appendix 1



Existing *Dicranopteris pedata* cover on hillslope



Access to the proposed Woodland Compensation Area



Access to the proposed Woodland Compensation Area




Existing native trees in woodland compensation area




Existing native trees in woodland compensation area



Existing native trees in woodland compensation area

	Agreement No. CE 38/2010 (CE) Liantang/Heung Yuen Wai Boundary Control Point and associated works (Site Formation and Infrastructures) – Design and Construction	SCALE	N.T.S.	DATE	Jan-13
	Woodland Compensation Area - Site Photos	CHECK	-	DRAWN	CMH
		JOB NO.	60212563	DRAWING No.	Appendix 1

	Agreement No. CE 38/2010 (CE) Liantang/Heung Yuen Wai Boundary Control Point and associated works (Site Formation and Infrastructures) – Design and Construction	SCALE	N.T.S.	DATE	Nov-16
	Woodland Compensation Area - Site Photos	CHECK	-	DRAWN	CMH
		JOB NO.	60212563	DRAWING No.	Appendix 1



Existing native trees in woodland compensation area



Existing exotic trees in woodland compensation area



Existing exotic trees in woodland compensation area

Appendix 2 - Woodland Compensation Area - Trees and Shrubs Species

Plant species in Areas with Coverage of Existing Tree and Shrubs (Survey conducted in November 2016)

Botanical Name	中文名稱	Origin	Abundance
Tree			
<i>Acronychia pedunculata</i>	山油柑	Native	Scattered
<i>Alangium chinense</i>	八角楓	Native	Common
<i>Aporusa dioica</i>	銀柴	Native	Scattered
<i>Aquilaria sinensis</i>	土沉香	Native	Scattered
<i>Archidendron lucidum</i>	亮葉猴耳環	Native	Scattered
<i>Cratoxylum cochinchinense</i>	黃牛木	Native	Common
<i>Endospermum chinense</i>	黃桐	Native	Common
<i>Garcinia oblongifolia</i>	嶺南山竹子	Native	Scattered
<i>Glochidion wrightii</i>	白背算盤子	Native	Common
<i>Glochidion zeylanuicum</i>	香港算盤子	Native	Scattered
<i>Ilex pubescens</i>	毛冬青	Native	Scattered
<i>Itea chinensis</i>	鼠刺	Native	Common
<i>Litchi chinensis</i>	荔枝	Exotic	Common
<i>Litsea cubeba</i>	木薑子	Native	Scattered
<i>Leucaena leucocephala</i>	銀合歡	Exotic	Common
<i>Macaranga tanarius</i> var. <i>tomentosa</i>	血桐	Native	Scattered
<i>Mallotus paniculatus</i>	白楸	Native	Common
<i>Phyllanthus emblica</i>	油甘子	Native	Common
<i>Rhus succedanea</i>	木蠟樹	Native	Scattered
<i>Sapium discolor</i>	山烏柏	Native	Scattered
<i>Saurauia tristyla</i>	水東哥	Native	Scattered
<i>Schefflera heptaphylla</i>	鵝掌柴	Native	Common
<i>Schima superba</i>	荷樹	Native	Common
<i>Tetradium glabrifolium</i>	棟葉吳茱萸	Native	Scattered
<i>Zanthoxylum avicennae</i>	簕欖花椒	Native	Scattered
<i>Zanthoxylum myriacanthum</i>	大葉臭花椒	Native	Scattered
Shrubs			
<i>Baeckea frutescens</i>	崗松	Native	Common
<i>Breynia fruticosa</i>	黑面神	Native	Scattered
<i>Ficus variolosa</i>	變葉榕	Native	Scattered
<i>Litsea rotundifolia</i> var. <i>oblongifolia</i>	豺皮樟	Native	Common
<i>Melastoma dodecandrum</i>	地蕊	Native	Scattered
<i>Melastoma malabathricum</i> (<i>Melastoma candidum</i>)	野牡丹	Native	Common

<i>Melastoma sanguineum</i>	毛蕊 (毛楨)	Native	Common
<i>Melicope pteleifolia</i>	蜜茱萸	Native	Common
<i>Psychotria asiatica</i>	九節 (九節木)	Native	Common
<i>Rhodomyrtus tomentosa</i>	崗楨 (桃金娘)	Native	Common
<i>Rhus chinensis</i>	鹽膚木	Native	Common
<i>Rubus reflexus</i>	蛇泡筋	Native	Common
<i>Zanthoxylum nitidum</i>	兩面針	Native	Scattered
Climbers / Others			
<i>Dicranopteris pedata</i>	芒萁	Native	Common
<i>Mikania micrantha</i>	薇甘菊	Exotic	Common
<i>Smilax china</i>	菝葜	Native	Scattered
<i>Urceola rosea</i>	酸葉膠藤	Native	Scattered

*All names are adopted from Hong Kong Herbarium; those in bracket are used in Contract Drawings.

Appendix 3 - Implementation Programme

[illegible]

Appendix 4 - Particular Specification of Landscape Works

SECTION 3

LANDSCAPE SOFTWORKS AND ESTABLISHMENT WORKS

GENERAL

G.S. Clause 3.06 is deleted and replaced by :-

*Weather and
Ground Conditions* 3.06

(1) Planting shall take place in suitable weather conditions. Planting shall not take place in weather conditions which will result in initial drying out of root systems and/or scorching of leaves. Ideally planting shall take place in overcast or moist conditions. If planting has to be carried out in sun or drying winds or in hot and dry weather, plants awaiting planting shall at all times be covered to prevent drying out.

(2) The Contractor shall cease planting immediately when in the opinion of the Engineer the weather conditions or ground conditions adversely affect the planting works.

MATERIALS

G.S. Clause 3.17(c) and (d) are deleted and replaced by :-

Small Shrubs 3.17

(c) A height between 150mm and 400mm,

(d) Grown and supplied in a container not less than 125mm in diameter and 150mm deep, and

The following is added after G.S. Clause 3.17 :-

Medium Shrubs 3.17A

Medium Shrubs shall have the following characteristics :

- (a) A seeding or rooted cutting two or more years old which has a bushy habit, bushiness which has been encouraged by pruning,
- (b) Well furnished with shoots to produce a plant with a diameter two-thirds of the height,
- (c) A height between 400mm and 700mm,
- (d) Grown and supplied in a container not less than 175mm in diameter and 200mm deep, and
- (e) Free of pests, fungi and disease.

G.S. Clause 3.18(c) and (d) are deleted and replaced by :-

- | | | |
|---------------------|------|---|
| <i>Large Shrubs</i> | 3.18 | (c) A height between 600mm and 1000mm, |
| | | (d) Grown and supplied in a container not less than 175mm in diameter and 200mm deep, and |

The following is added after G.S. Clause 3.29 :-

- | | | |
|-------------------------|-------|--|
| <i>Origin of Plants</i> | 3.29A | The Contractor shall state the origin of all trees, shrubs, turves, sprigs and plant materials, in good time before planting. The Engineer may inspect the nursery and agree on a selection of all plant material for approval. All plant material subsequently delivered to the Site shall be to at least the same standard in all respects as that approved. The Contractor shall note that in order to provide all the plant material as specified it may be necessary for him to grow the material in his own nursery in advance of commencing planting works on Site. |
|-------------------------|-------|--|

- | | | |
|---------------------------------------|-------|--|
| <i>Substitution of Plant Material</i> | 3.29B | (1) In the event of plant material as specified herein not being available, the Contractor shall notify the Engineer at the beginning of the Contract in order that suitable substitutes can be considered. The Contractor shall propose substitutes which are similar in height, shape, flowering characteristics and function as the original species. |
|---------------------------------------|-------|--|

- | | | |
|--|--|--|
| | | (2) The Contractor shall have photographs taken of approved samples for each species and plant size to be used. The photographs shall be used as a standard to which similar species to be supplied and planted in the Contract shall be equivalent. |
|--|--|--|

- | | | |
|--|--|---|
| | | (3) Any changes, such as planting densities, necessitated by the need for substituting species shall be at no extra cost to the Contractor. |
|--|--|---|

- | | | |
|--|--|---|
| | | (4) No substitute shall be made without the prior written approval of the Engineer. |
|--|--|---|

- | | | |
|--|--|--|
| | | (5) No substitution will be permitted within 12 months prior to the actual time of planting. |
|--|--|--|

- | | | |
|-------------------------------------|-------|---|
| <i>Materials to be as Specified</i> | 3.29C | All plant material shall be true to species and healthy and shall not be less than the minimum sizes specified. Plants having any habit or growth other than that specified shall be considered unacceptable. |
|-------------------------------------|-------|---|

The following is added after G.S. Clause 3.30(2) :-

- | | | |
|-----------------|------|---|
| <i>Soil-Mix</i> | 3.30 | (3) Soil-mix delivered and installed on site shall be tested for nitrogen, phosphorus and potassium (N.P.K.) value, organic matter content, cation exchange capacity ratio, organic carbon, pH value, physical content of sand, silt and clay, and water content. Soil testing shall be arranged by the Contractor and shall be conducted in the laboratory accredited by Hong Kong Laboratory Accreditation Scheme (HOKLAS) or equivalent approved or institute at the Contractor's own cost, and the report shall be submitted to the Engineer for approval. |
| | | (4) If the results of the test show that the soil-mix does not meet the nutrient and organic status required for soil-mix, then the Contractor shall make good the soil-mix by bringing it to the nutrient and organic status specified. The Contractor shall obtain approval for his proposed remedial measures from the Engineer for approval before undertaking any work. |
| | | (5) The Contractor shall supply a representative 2 kg sample of approved soil-mix to the Engineer with a certificate indicating the source for the approval of the Engineer. Approval to the sample must be obtained before bulk delivery commences, and approval of the sample will not preclude the right of the Engineer to reject any imported material which in the opinion of the Engineer falls appreciably below the standard of the sample. The sample shall be retained by the Engineer in a location on Site which will allow inspection and comparison throughout the period of the Contract. |
| | | (6) The Contractor shall ensure that soil-mix heaps are properly maintained and that soil-mix shall be placed in its final position within 12 months of importation to Site or, for site strip material, deposition for storage on Site. Weed control shall be carried out by spraying with approved weedkiller. |
| | | (7) If the period between the analysis of the soil-mix as above and the commencement of any deposition of soil-mix exceeds 12 months then the Contractor shall carry out a second analysis of the soil-mix. If this second analysis shows that the soil-mix has deteriorated in the nutritional requirements for soil-mix the Contractor shall make good the soil-mix by bringing it to the nutrient and organic status specified. |

(8) The Contractor shall give the Engineer four weeks notice of his intention to commence deposition of soiling operations in order to allow for the results of the analysis to be available before the commencement of soiling.

(9) No change in the source of soil-mix shall be allowed without the prior approval of the Engineer based on such tests and samples as specified herein.

(10) The Contractor shall prepare soil-mix on site. Mixing shall not take place during periods of heavy rain, nor when the soil is saturated. Mixing operations shall cease if the moisture content of the completely decomposed granite is too high to achieve thorough mixing with the soil conditioner.

The following is added after G.S. Clause 3.31(1) :-

Soil Conditioner 3.31

(2) Soil conditioner shall be properly composted organic material. When a composted organic material is used it shall be stable and not liable to decompose further generating heat.

(3) The Contractor shall produce a certificate of analysis stating composition and physical and chemical characteristics. The analysis shall be carried out by a laboratory approved by the Engineer.

(4) A sample of 1.0 kilogram shall be submitted to the Engineer for approval before importation and use.

G.S. Clause 3.32 is deleted and replaced by :-

Mulch 3.32

(1) Mulch shall be a mixture of shredded bark and wood chips. The mulch shall be free from impurities and be heavy enough to prevent dispersal by wind. It shall contain material with a particle volume greater than 500 mm³ consisting at least 50% by volume of the mix.

(a) Wood chips (as opposed to bark) shall not exceed 50 mm particle size in any dimensions.

(b) Any wood content shall be inert and free of resinous toxins. The pH of the mulch shall be not less than 6.0.

(2) The Engineer shall be invited to inspect production techniques and the suppliers' facilities, prior to any approvals.

G.S Clause 3.34 (5) is deleted and replaced by :-

Fertilizer 3.34

(5) Chemical fertilizers shall be stored in waterproof sealed bags under shelter away from water and direct sunlight.

The following is added after G.S. Clause 3.34(5) :-

(6) Pre-planting fertilizer shall be in the form of tablet.

G.S. Clause 3.36(2) is deleted and replaced by :-

Stakes, Ties and Guys 3.36

(2) (a) Bamboo tripod staking shall be used as a supplemented measures in Soft planting areas and shall comprise three nos. of 50 mm diameter x 1800 mm long bamboo poles secured to the tree as not to cause any chafing, rubbing or abrasion of the tree or restrict its growth. Appropriate measures should be taken to prevent water stored in the hollow of the bamboo tripod.

(b) Stakes shall be driven into the ground before planting so as not to damage the rootball or aerial parts of the tree. Appropriate measures should be taken to prevent rusty.

(c) The method of staking shall be subject to approval by the Engineer. If required, stakes should be provided to support seedlings and whips as well as underground guying system should be provided to support large trees.

The following is added after G.S. Clause 3.36(6) :-

(7) When wire guys are required, three guys per tree shall be used and guys shall be adjustable. Wire guys shall be fixed to the tree trunk immediately above the lowest branch and to three nos. long angle iron stakes driven 600 mm into the ground and with 70 mm remaining above the ground. Appropriate measures should be taken to prevent rusty.

The following is added after G.S. Clause 3.37 :-

Root Activator	3.37A	Root activator shall be a chemical which contains plant hormones gibberellins (G.A.), and indole-3-acetic acid (IAA), and which can activate root growth such as 'Rootone' or equivalent and approved.
Sack, Bags, Containers, etc.	3.37B	The Contractor shall retain for inspection by the Engineer all sacks, bags, containers and the like in which fertiliser, mulch, grass-seed, pesticides, herbicides and the like are supplied and shall not dispose of these without the consent of the Engineer.
Temporary Protective Fencing for Newly Planted Areas	3.37C	Temporary protective fencing shall be at least 1.5m tall comprising end straining posts with struts, intermediate posts with galvanized line wire, galvanized twisted wire and approved split bamboo pales.
		(1) Straining posts shall be installed at corners, ends of runs and at intermediate positions 30 metres apart maximum. Posts shall be 1000mm long by 80mm diameter or 80mm square. Struts shall be 1000mm long by 80mm diameter or 80mm square and shall be housed and securely nailed to all straining posts in the direction of each line of fencing.
		(2) Intermediate posts shall be installed at 2.5 metres apart maximum and shall be 1800mm long by 100mm diameter or 100mm square.
		(3) All posts and struts shall be of approved timber treated with approved preservative and shall be driven into the ground for a depth of 600mm minimum.
		(4) Two strands of 3.15mm high tensile galvanised steel wire to BS 4102 shall be strained and stapled with 38 x 4mm galvanised staples and fixed 150mm from top of post and 150mm above ground level. Each line wire shall be strained tightly by means of a ratchet strainer. All line wires shall be secured to intermediate posts by one staple driven to a running fit and to straining posts by two complete turns round the post with the wire twisted back on itself and staples driven tightly into the post.
		(5) Pales shall be hand-driven from bamboo poles approximately 30mm diameter. Pales shall be straight, pointed at the top as shown and notched 80mm from top and bottom.

		(6) The wire for wiring shall be not less than 2mm diameter galvanised mild steel wire conforming to BS 4102. Each line of wiring shall consist of two wires twisted together between the pales.
		(7) Pales to be positioned with no more than 50mm spacing between pales. One line of wire shall be fixed 80mm from the top of the pales, one in the middle and one 80mm from the bottom. Every 500mm top and bottom strained wires shall be bound to twisted wires on bamboo paling by means of wire twists of 2mm gauge galvanised wire.
Plant Name	3.37D	On planting plans, where botanical names and chinese characters are given for plants; the botanical name shall always take precedence.
Notices and Instructions	3.37E	(1) In respect to landscape works, the Contractor shall give forty-eight hours notice to the Engineer, of his intention to commence any one of the following operations: soiling, setting out, planting, hydroseeding, fertilising, and visits to carry out establishment works. (2) The Contractor shall undertake any remedial landscape works within twenty-four hours of notice by the Engineer.
Uniformity of Trees	3.37F	The Contractor shall ensure that individual species of trees for planters and ornamental locations are uniform in size and shape. Variations in overall height of no more than 500mm and in stem diameter of no more than 20 mm will be permitted.
		SUBMISSIONS
Samples of Materials	3.40	G.S. Clause 3.40(2) is deleted and replaced by :- (2) (a) Samples of each species of plant material to be planted on Site shall be made available at a nursery in Hong Kong for inspection and approval by the Engineer prior to delivery on Site. (b) Any plant material which does not conform to specification or the approved standard shall be rejected by the Engineer, and will be replaced by the Contractor with appropriate standard of material.

HANDLING, STORAGE AND TRANSPORT

G.S. Clause 3.41 is deleted and replaced by :-

Handling and Storage of Rootballed Stock 3.41 (1) Root pruning and undercutting of the root system of rootballed stock to the specified size of root-ball shall be carried out as instructed by the Engineer before lifting from the nursery.

(2) Plants grown in the open ground shall be well watered prior to lifting and shall be lifted carefully to ensure the specified root ball is obtained. At the time of lifting, the root ball and the trunk from soil level to the lower branches of trees shall be securely wrapped to prevent loss of soil and moisture using hessian or straw. The wrapping material shall not be removed until the plant is required for planting.

The following is added after G.S. Clause 3.44(2) :-

Storage of Plants 3.44 (3) The Contractor shall seek the written approval of the Engineer on the storage of plants, method, equipment and storage facilities on Site.

G.S. Clause 3.45 is deleted and replaced by :-

Storage of Trees and Shrubs 3.45 (1) Trees and shrubs which are not immediately planted in their permanent positions shall be supported upright on level ground, regularly watered and maintained in good condition.

(2) Any bare-rooted plant material shall be heeled into the ground with all the roots covered by soil-mix.

PRE-PLANTING WORKS

G.S. Clause 3.53 is deleted and replaced by :-

Soiling 3.53 (1) Soil-mix shall be spread and levelled in raised planter beds to a depth of min. 500mm.

(2) Existing soil of pits for seedling trees, whip trees, climbers, groundcovers, herbaceous and shrub planting (other than in raised planter beds) shall be excavated from the pits and each pit shall be mixed with 4 litres of soil conditioner, then backfilled into the pit with 50g of pre-planting fertilizer tablet prior to planting.

(3) Placing and spreading of soil shall not take place during periods of heavy rains, nor when the soil-mix is saturated. When, in the opinion of the Engineer, conditions are unsuitable for placing and spreading of soil, operations shall cease and shall only be resumed when authorised by him. After soiling, areas are to be protected from further compaction and trafficking.

(4) The Contractor shall be responsible for ensuring that the soil-mix maintains its specified quality between the time after deposition and the planting operations.

(5) Excess soil generated from planting pits and not used as backfill, water basins, or in establishing final grades shall be removed by the Contractor from site.

The following is added after G.S. Clause 3.53 :-

Control of Erosion 3.53A

The Contractor shall take all necessary preventative measures to control erosion and siltation. The Contractor shall restore or replace any portion of the Site, including those which have been both the subject of a certificate of completion of a Section or a part of the works and on which broadcast seed or hydroseeding is required to be carried out, which erodes, silts up or is otherwise damaged.

PLANTING

The following is added after G.S. Clause 3.58 :-

Setting Out 3.58A

(1) The Contractor shall be responsible for accurately setting out according to the Drawings all areas to be planted to the satisfaction of the Engineer prior to the commencement of planting, and shall rectify errors in setting out at his own expense. Any discrepancy in Site area between that shown on the plans and the actual area on the ground shall be notified to the Engineer as soon as it is discovered and prior to commencement of any relevant operations.

(2) Tree and shrub areas shall be marked in outline with pegs, spaced not less than 15 m apart. The pegs shall be not less than 750 mm long and 50 mm in thickness and shall be firmly driven into the ground. The top 300 mm of each peg shall be painted white.

(3) The Contractor shall mark out the required planting interval with canes, stones, chalk or other suitable markers along the longest edge of the area to be planted.

(4) The first row of plants shall be the required distance from this edge and directly in line with each marker. In the case of planting areas edged by kerbs or walls, adequate planting space should be allowed between the edge/foundations and the first row of plants.. In the case of planting areas adjacent to other planting areas, the first row of plants shall be planted at a distance which is half the specified planting distance for that species from the edge.

(5) The second row shall be the required distance from the first. The pattern will be repeated over the whole planting area.

(6) In the case of woodland mix and shrub mix planting, the plants shall be planted in positions indicated on the Drawings.

(7) The approximate numbers of plants to be planted per half day shall be set out by laying them down beside the hole in which they are to be planted. Plants shall not be removed from their containers until planting is taking place. All setting out shall be to the approval of the Engineer.

(8) During the setting out of the planting, the Contractor shall notify the Engineer of the position of any tree or group of trees which occur within the following tolerance:

- (a) large shrubs to be planted within 1.0m of the road edge.
- (b) medium shrubs to be planted within 0.6m of the road edge
- (c) small shrubs to be planted within 0.3m of the road edge.

The above dimensions do not apply where crash barriers are provided between the planting and the carriageway or where planting is located within a raised planting bed.

The Contractor shall notify the Engineer of any of the above situations prior to carrying out any relevant works in those areas.

The following is added after G.S. Clause 3.61(3)

Staking, Tying and Guying 3.61

(4) The Contractor shall carry out regular checking, adjusting, replacing and removing of tree stakes, ties or guys as necessary.

(5) All staking, tying and guying shall be removed before the expiry of the establishment period.

G.S. Clause 3.62 is deleted and replaced by :-

Mulching 3.62

(1) After planting and watering, mulch shall be spread to a consolidated thickness of at least 50 mm in planters and all planted areas not previously hydroseeded. Finish level of mulch shall be 25mm below adjacent finished surfaces.

(2) Mulch shall be dished around the base of the plants. The Contractor shall take care not to damage the plant material during mulching operations. Mulch shall be applied after planting and watering have taken place.

The following is added after G.S. Clause 3.64(3) :-

Pit Planting of Seedlings, Shrubs, Whips, Climbers, Ground Covers and Herbaceous Plants 3.64

(4) Whip planting shall be carried out in areas which have been hydroseeded as part of this Contract. The Contractor shall allow in his programming of planting works sufficient time for the hydroseeding to establish and provide 90% cover to the satisfaction of the Engineer before whip and shrub mix planting operations commence. Grass shall be mown to 50mm before pit planting commences.

The following is added after G.S. Clause 3.68 :-

Watering 3.68A

Immediately after planting, all plants shall be thoroughly watered with fresh water such that the roots of the plants are soaked.

Bamboo/Plastic Fencing to Planted Areas 3.68B

(1) Protective fencing shall be erected where newly planted areas are adjacent to public footpaths and as indicated on the drawings.

(2) Protective bamboo/plastic lattice fencing shall be 1200mm high and consist of a bamboo/plastic lattice and frame of approximately 25mm bamboos, lashed to 25mm x 25mm x 4mm thick M.S. angle posts, and approximately 50mm bamboo top rail; the bamboo to be placed on the footpath side of the posts. Contractor shall submit drawing for Engineer's approval prior to erection.

GRASSING

The following is added after G.S. Clause 3.72(5) :-

Application of Hydroseeding 3.72

(6) The area to be treated shall be moistened immediately prior to hydroseeding.

(7) After spraying, the Contractor shall water the hydroseeded areas as often as is required to keep the ground evenly moist.

ESTABLISHMENT WORKS

The clause 3.79(1) is deleted and replaced by :-

<i>Establishment Works</i>	3.79	<p>(1) Except for the planting works of woodland compensation, the Contractor shall be required to maintain the planting works of all planted areas for a period of 365 days as specified after the date certified by the Engineer and recognised by taking-over maintenance department that the landscape works have been satisfactory completed and in that time the Contractor shall be required to carry out establishment works whether or not instructed by the Engineer. The requirements of establishment works for woodland compensation shall refer to Clause 3.104.</p> <p>The following is added after G.S. Clause 3.79(3) :-</p> <p>(4) The Contractor shall report to the Engineer before and after carrying out any establishment works. Reports shall be submitted in duplicate on forms provided by the Contractor and of a style approved by the Engineer.</p> <p>(5) The Contractor shall submit a programme to the Engineer for approval before the commencement of establishment works. The programme shall include all the items of operations as defined below. Other than the items of mulching, pruning and fertilising, the Contractor shall propose in the programme the number of operations for the other items to be carried out during the establishment period. Once the programme is approved, the Contractor shall carry out all the operations unless subsequently instructed otherwise by the Engineer.</p> <p>(6) Establishment works for hydroseeded areas shall be carried out immediately after the application of hydroseeding until the end of the establishment period.</p> <p>(7) Where part of an existing planting area has been partially reinstated under this Contract, the reinstated area shall be subject to establishment works as specified herein.</p> <p>G.S. Clause 3.83 is deleted and replaced by :-</p>
<i>Firming up Plants</i>	3.83	<p>(1) Plants which become loose as a result of wind rock or other causes shall be firmed up.</p> <p>(2) The Contractor shall inspect the Site regularly for this purpose and after each storm or typhoon, to assess damage, which shall be reported to the Engineer. Any damaged branches shall be carefully pruned or as required by the Engineer.</p>

G.S. Clause 3.84(1) is deleted and replaced by :-

<i>Watering</i>	3.84	<p>(1) Any inspection of watering requirements shall be made in dry weather by the Contractor and the Engineer twice weekly or as required by the Engineer.</p> <p>The following is added after G.S. Clause 3.84(3) :-</p> <p>(4) The Contractor shall complete watering operations within 24 hours of an inspection which deems watering to be necessary.</p> <p>(5) When required, an analysis of water to be used shall be obtained by the Contractor for approval by the Engineer.</p> <p>The following is added after G.S Clause 3.85(3) :-</p>
<i>Weeding</i>	3.85	<p>(4) All areas within 300mm radius of the base of each planting shall be kept in a weed/grass free and tidy condition.</p> <p>(5) The Contractor shall weed areas as necessary and shall complete weeding within seven days of inspection.</p> <p>G.S. Clause 3.87 is deleted and replaced by :-</p>
<i>Grass Cutting</i>	3.87	<p>(1) Grassed areas shall be cut by manual or mechanical methods agreed by the Engineer and in a manner that does not cause pulling of roots or damage to planting in or near the grassed area. All cuttings shall be raked off and disposed of within 24 hours after cutting.</p> <p>(2) Grass in all hydroseeded areas shall be reduced by cutting to a height of 100mm when it reaches 300m high. The Contractor shall cut as often as necessary to maintain the height in this range.</p> <p>(3) Grass areas shall be weed free in accordance with G.S. Clause 3.81 before any grass cutting is carried out.</p> <p>G.S. Clause 3.88 is deleted and replaced by :-</p>
<i>Litter Collection</i>	3.88	<p>(1) All litter exposed by grass cutting shall be gathered up and disposed of within 24 hours.</p> <p>(2) All litter/rubbish in the planting areas shall be removed from the site. Litter/rubbish removal shall be completed within seven days of inspection.</p>

		G.S. Clause 3.89 is deleted and replaced by :-	
<i>Post-Planting Fertiliser</i>	3.89	Post-planting fertilizer shall be applied not less than 100 days, and not more than 300 days, after grassing or planting. The fertilizer shall be applied at a rate of :	
		(a) 100g/m ² for shrub and ground cover planting in raised planter;	
		(b) 50g for each whip tree and shrub on hydroseeded area; and	
		(c) Post-planting fertiliser shall be applied to all hydroseeded areas at a rate of 40g/m ² during the periods specified in G.S. Clause 3.75.	
		The following is added after G.S. Clause 3.90 (2)(d) :-	
<i>Control of Pests, Fungi and Disease</i>	3.90	(2) (e) Use of all pesticides, insecticides, fungicides and chemicals are to be with care and to have due regard to the safety and convenience of the general public and be in accordance with the Hong Kong Government Environmental Guidelines. It shall be carefully controlled to avoid unnecessary dispersion.	
		G.S. Clause 3.92 is deleted and replaced by :-	
<i>Mulching</i>	3.92	(1) All mulch which is disturbed by replacement planting, weeding or watering shall be made good. Additional mulching over areas of forking over and over areas disturbed by others shall be carried out if instructed by the Engineer.	
		(2) During the establishment period, the Contractor shall carry out two applications of mulch each to a thickness necessary to bring the total depth of mulch of 50 mm unless otherwise specified after the application. The final mulching operation is to be carried out in the last month of the establishment period.	
		The following is added after G.S. Clause 3.92 :-	
<i>Removal of Temporary Protective Fencing</i>	3.92A	The Contractor shall remove the temporary protective fencing at the end of the establishment period unless otherwise directed by the Engineer.	

<i>Insect and Disease Control</i>	3.92B	The Contractor shall report to the Engineer any such occurrence and shall carry out remedial eradication by use of sprayed insecticide or fungicide, used in accordance with the manufacturer's instructions. Use of such sprays is to be with care and to have due regard to the safety and convenience of the general public and be in accordance with the Hong Kong Government Environmental Guidelines. It shall be carefully controlled to avoid unnecessary dispersion.	
<i>Treatment on Red Imported Fire Ant</i>	3.92C	(1) The Contractor shall inspect the plants for Red Imported Fire Ants (RIFA) before they are planted on site and inspect the planted areas regularly.	
		(2) The Contractor shall maintain and protect all the existing planting from invasion of RIFA. Whenever such maintenance or protection is not possible, the Contractor shall report to the Engineer with alternative proposal and resume the original condition at his own cost.	
		(3) The Contractor shall report immediately to the Engineer upon discovery of mound(s) of suspected RIFA and employ a pest control specialist as specified in the list of "Pest Control Companies in the control of Red Imported Fire Ant" issued by Agriculture, Fisheries and Conservation Department ("AFCD") on 27/12/2007 to provide treatment services for the RIFA including their mound(s).	
		(4) The treatment services shall include collection services of the suspected RIFA; controlling service against confirmed RIFA; and surveillance monitoring on the RIFA as stated in the technical note – Red Imported Fire Ant Control Methods, issued by AFCD on 15/5/2008.	

TREE TRANSPLANTING

G.S. Clause 3.97 (2) & 3.97 (7) are deleted and replaced by :-

Transplanting of
Existing Trees 3.97

(2) Before the commencement of any work to the trees on the Site, the Contractor shall inspect all the trees to be transplanted and prepare the detailed method statement and works programme for the transplanting works with the incorporation of the expert advice from the independent tree specialist (ITS). The ITS shall have qualification or certification offered by a professional institution or industry organisation on arboriculture after successful completion of examination or assessment process conducted within or accredited by the institution or organisation such as Certified Arborist of the International Society of Arboriculture, Professional Member or Fellow of the Arboricultural Association of the UK, or equivalent and shall have at least 3 years' working experience on tree transplanting works. The Contractor shall agree with the ITS prior to submit and obtain approval from the Engineer a detailed method statement and works programme for transplanting the existing trees, outlining the method, sequencing, timing of operations, and the location and type of machinery to be used for the following operations:

- (a) Protection before lifting and transplanting,
- (b) Root pruning, including the rootball size, and the number of stages, the operations involved in each stage, and the period between each stage of root pruning,
- (c) Crown pruning including the extent of crown pruning,
- (d) Excavating trenches for rootball preparation including the size of trenches,
- (e) Design and construction of supporting measures,
- (f) Attaching lifting gear to the trees,
- (g) Protection during transit,
- (h) Temporary holding nursery, if required,
- (i) Lifting,
- (j) Transportation to new location, including routing,
- (k) Backfilling and making good the donor site,
- (l) Securing and supporting measures.

(2)A In addition to sub-clause (2) above, the Contractor shall complete the Vegetation Survey and Vegetation Survey Report for approval by EPD and AFCD as specified in EP and/ or EM&A Manual by a qualified ecologist/ botanist.

(7) Root activator, where necessary, shall be applied at regular intervals in accordance with the manufacturer's instruction. Root activator shall be a chemical which contains plant hormones GA, and IAA, and which can activate root growth such as "Rootone" or equivalent and approved by the Engineer.

The following is added after G.S. Clause 3.97(17) :-

(18) Trees to be transplanted shall be inspected for dead, diseased or damaged branches in the presence of the ITS. All crown pruning works shall be maintained to ensure that a balanced crown is preserved in keeping with the character of the tree species. The extent of the crown pruning works shall be determined by the ITS on site and agreed by the Engineer.

(19) The Contractor shall also comply with the general requirements as set out in the Appendix 3.1 for carrying out the tree transplanting works under this Contract.

The following is added after G.S. Clause 3.97 :-

Root Pruning 3.98

(1) Root pruning should normally take place during the wet season with a minimum of one month allowed for root regeneration between each stage of root pruning.

The period of root pruning shall be determined by the ITS and agreed by the Engineer. Three months or more should be allowed between each stage of pruning to ensure maximum fibrous root regeneration prior to the actual uplifting/transplanting operations.

The period of root pruning may be adjusted to suit specific tree species and/or imposed contract constraints.

(2) The diameter of the rootball to be cut shall be determined by the ITS and approved by the Engineer. Normally, the rootball to be cut should be 10 times the trunk diameter at breast height and not less than 1500mm diameter, and 1000 – 1200mm deep to enhance survival rate for transplanting. Method statements should be submitted by the Contractor taking into account the size and species of trees, site constraints, arboricultural practices, etc for particular tree(s) for the approval of the Engineer.

Tree Lifting and Protection 3.99

(3) After determining the size of the rootball and after obtaining the approval of the Engineer, the proposed circumference of the rootball shall be marked on the ground around the tree.

The trenches that are made for rootball preparation shall be backfilled with backfilling materials to be approved by the Engineer, to encourage new growth of root tips. Rootball shall be kept moist from time to time during the preparatory period to stimulate new-root.

Roots shall be cut with a clean sharp knife or similar sharp implement to prevent tearing of the roots.

The Contractor shall make regular checks to ensure the stability of the tree and adjustments made accordingly throughout the entire root pruning/crown pruning stages.

Trees shall be inspected every 28 days by the Contractor to check the health of the tree. Any sign of deterioration shall be notified to the Engineer and remedial action taken. The Contractor shall water regularly, remove weed growth, fertilize, aerate the soil, folia feed, carry out insecticide treatment and any other horticultural work as necessary and as instructed by ITS.

(1) Transplanting shall be carried out during early morning or late afternoon when the sun is not directly overhead. No lifting shall take place during rainfall. Tree shall be transplanted within 2 hours of lifting.

(2) Wrap trunk and lower branches with approved hessian and tie with jute string at least one day prior to rootball preparation. Before lifting, the outer edge of the previously dug trenches shall be loosened from the surrounding soil and the rootball undercut to allow the tree to be lifted free from the ground with the rootball intact.

(3) A crane or lifting device shall be used to secure the tree and support its full weight when lifted without damaging the branches or trunk. No items of hardware shall be inserted into the trunk or branches for lifting or other purposes. Cables used for lifting shall be wrapped with protective rubber sheaf to prevent damage.

(4) Plants shall be lifted carefully to avoid damage to rootball. Roots shall be cut free from ground, not pulled, using a suitable implement to give a clean cut.

(5) Where suggested by the ITS, a board shall be placed under the rootball or a rootball box shall be constructed to support the full width and depth of the rootball.

(6) The ITS shall be present to supervise the work.

Planting at Receptor Site 3.100

(1) Plants transplanted directly to the receptor sites are to be planted in accordance with the General Specification.

(2) Prior to the lifting of the trees, tree pits at their receptor sites shall be already prepared and agreed on site. All pits shall be 300-500mm greater than the size of the rootball of the tree to be transplanted at on all sides and bottom. Tree pit base shall be scarified to a depth of 150mm. Loosen the base and sides of the tree pit and fill with water 24 hours before planting to ensure free drainage. Trees shall be transplanted to the new tree pits within 2 hours after being lifted.

(3) Place tree in the pit allowing the top of the ball to be at least 100mm above the surrounding paving level to allow consolidation of the backfill soil. After settlement the top of the root collar shall be level with the surrounding ground level. Backfill in layers, each layer being firmly consolidated to eliminate air pockets. The backfilling materials proposed by the Contractor shall be agreed by the ITS and approved by the Engineer.

(4) Add fertilizer to the backfilling materials at the rate determined by ITS. Alternatively, liquid fertilizer may be use as approved by the Engineer. Fertilizer shall be thoroughly mixed with the backfilling materials. Hormone powder may be applied to the rootball and alginates and polymer gels mixed into the backfilling materials in accordance with the manufacturer's instructions if suggested by ITS and approved by the Engineer.

(5) Securing and supporting measures for the transplanted trees shall be submitted by the Contractor and approved by the Engineer.

Holding Nursery for Transplanted Trees 3.101

(1) Contractor's holding nursery for transplanted plants should meet the following requirements:-

General:

(a) The holding nursery shall be for the purpose of temporary storage of transplanted plant materials under this Contract. The nursery may not be used for any purpose not directly related with this Contract.

(b) Holding nursery shall be Contractor's own proposed off-site nursery.

(c) Not used.

(d) The Contractor shall be responsible for the arrangement of land status, utility connections, and

any necessary fee payment for the satisfactory operation of the holding nursery within the contract period.

- (e) The Contractor's holding nursery shall be within the territory of Hong Kong Special Administrative Region, and be capable to hold at any time all the transplanted trees under this Contract and allowance of passageway for maintenance works without disturbance to the transplanted plants. The total area of off site holding nursery shall not be less than 25m² times the total number of transplanted trees in one location. The Contractor shall allow access to other contractors to transplant trees to this holding nursery.

The Contractor shall carry out necessary arboricultural work to maintain the stocked trees in a good and healthy condition during the holding period prior to replanting.

- (f) Prior to forming the holding nursery, the Contractor shall submit documents including location plan, updated survey plan with contours information, photographic records, and any other information to demonstrate the nursery can adequately accommodate all the transplanted trees under this Contract in a protected environment, for the approval by the Engineer within 30 days after the commencement of the Contract.
- (g) Once approved, the holding nursery site shall not be amended without fully justified reasons which are beyond the control of the Contractor. Resubmission to the Engineer for approval at least six months in advance, is required on proposal of alternative site.
- (h) The Contractor shall bear all expenses related with the transit of the plant materials between the holding nurseries.
- (i) The boundary of the holding nursery shall be clearly demarcated by minimum 1.2m height fencing, securely erected on the ground without interference to the transplanted plant materials.

- (j) Each transplanted trees shall be tagged with a weather proof label with information on the contract number, tree number, originated location and arrival date to the nursery.
- (k) The Engineer shall have rights to inspect the holding nursery at regular intervals and at any one time to verify the condition of the nursery and/or health of the transplanted plant materials.
- (l) The Contractor shall maintain the holding nursery in neat, tidy and litter-free condition at all times.
- (m) The Contractor shall provide supply of non-toxic water for the watering of the plant materials within the holding nursery. The Contractor shall make allowance in the rates for importing of non-toxic water suitable for irrigation during periods of water supply restrictions and/or pipework failure.

(2) Storage of transplanted trees in Contractor's holding nursery:

- (a) Upon arrival in the holding nursery, the transplanted trees shall stand upright on level ground, in a position where it will be protected from damage and unnecessary movement.
- (b) If transplanted trees are delivered to the plant nursery with shoots and branches bundled, remove all tyings immediately.
- (c) Each transplanted tree shall occupy a certain plot of land as determined by the ITS, exclusive of passageway in between for maintenance works. The total occupied area to be used for the holding nursery for the transplanted trees shall be reported by the Contractor for approval and record by the Engineer.
- (d) The Contractor shall carry out necessary arboricultural work to maintain the transplanted trees in healthy condition during the holding period.
- (e) The Contractor shall water all the transplanted trees as often as required to keep the soil moist around the roots of the plants.
- (f) Watering shall be carried out either in early morning and/or later afternoon, or both as required.

- (g) The watering frequency shall be determined by the ITS to ensure the transplanted trees are in healthy condition during the holding period.
- (h) All the transplanted trees that temporarily stored within the holding nursery will be transplanted off site to the permanent receptor prior to the expiry of the Contract period.
- (4) Submission of record:
 - (a) The Contractor shall submit separate monthly report in a format to be agreed with the Engineer prior to tree transplanting works for the transplanted trees held in the holding nursery including information, but not limited to:
 - (i) Individual transplanted tree with reference to works order number, tree number, species name, originated location, date of arrival in the nursery, expected date for subsequent transplant to permanent location, area of land occupied;
 - (ii) Total quantity of transplanted trees in the holding nursery;
 - (iii) Total area of land occupied by the transplanted trees, excluding maintenance passageway;
 - (iv) Special matters to be reported, such as typhoon damages; and
 - (v) Photographic record of the overall holding nursery.

Post Transplanting / Establishment Work 3.102

- (1) The transplanted trees shall be maintained immediately after transplanting works, from existing location and maintenance shall continue for a period of time till the expiry of the Maintenance Period or such earlier dated as instructed by the Engineer.

Such maintenance shall include all measures necessary to establish and maintain all the transplanted trees in an acceptable vigorous and healthy growing condition until the expiry of the establishment Period.

- (2) Immediately after transplanting, the base of all the transplanted trees shall be well watered, using enough water to thoroughly soak the rootball. The transplanted trees should be well watered in evenings and early morning only.

- (3) Watering shall be carried out daily during the dry season, generally September to April.
- (4) Watering shall be carried out as required during the wet season to maintain a vigorous and healthy growing condition.
- (5) Firming up of the transplanted trees and the supporting materials shall be undertaken from time to time during the period and particularly after heavy rain and/or wind.
- (6) Root activator, if instructed, shall be applied regularly according to manufacturer's recommendations.
- (7) Fertilize in March and September each year or as directed by the Engineer.
- (8) Rootball shall be kept free of weeds at all times.
- (9) The transplanted trees shall be pruned to remove dead or dangerous branches follow the advice of the ITS.

Tree Surgery Works 3.103

- (1) Tree surgery works shall cover the removal of dead, dying and diseased branches and stumps, cleaning out cavities, raising and thinning the crown for transplanting purposes and generally improving the shape of the transplanted trees.
- (2) All tree surgery works shall be in accordance with good horticultural practice and BS 3998 – Recommendations for Tree Works. No work shall be carried out without the direct supervision of the ITS on site.
- (3) The Contractor shall allow and assure all necessary safety precautions/measures are taken to protect those engaged in the operations, as well as people and property in the vicinity (both from within and/or outside site boundary).
- (4) (a) Tree limbs shall be removed in pieces, no more than 400 mm in length;
- (b) To prevent tearing the bark, cut limbs in three operations. The first cut is a shallow notch made on the underside of the branch, outside the branch collar. This cut will prevent a falling branch from tearing the stem tissue as it pulls away from the tree. The second cut should be outside the first cut, all the way through the branch, leaving a short stub. The stub is then cut just outside the branch bark ridge/branch collar, completing the operation;

- (c) Cut all limbs sloping away from the main trunk at an angle of approximately 60° from the horizontal on a line above the branch bark ridge and the branch collar without leaving a stub;
- (d) Carefully lower all cut branches to the ground to prevent any damage to limbs being retained.

WOODLAND COMPENSATION PLANTING

*Woodland
Compensation
Planting*

3.104

(1) Unless otherwise specified, the Contractor shall carry out woodland compensation planting in accordance with the requirements of the EP and EM&A Manual. The tentative boundaries of Portions WC1 and WC2 are shown on Drawings. The exact boundaries shall be confirmed by the Engineer.

(2) The Contractor shall programme the initial and enhancement planting works to suit the actual dates of handing over of Portion WC1, WC2 or any part of Portion WC1 or WC2 for completion within the specified period at no extra costs to the Employer. The Engineer will give an advance notice of at least 30 days prior to commencement of initial or enhancement planting works in any areas.

(3) The woodland compensation planting involves initial planting, enhancement planting and their respective establishment works. The requirements of these planting and establishment works shall refer to relevant clauses of this PS Section.

(4) The Contractor shall prepare and submit a detailed implementation programme of the woodland compensation planting complying the relevant requirements to the satisfaction of the Independent Environmental Checker (IEC), the Engineer and AFCD within 2 months after commencement of the Works.

(5) Subject to the provision in sub-clause 6 below, the Contractor shall retain and avoid disturbance to all existing trees, shrubs, graves and other existing features within the woodland compensation area when planting. Seedlings shall be planted in space between existing trees and shrubs.

(6) The Contractor is required to carry out thinning works. The objective of thinning process is to control the amount and distribution of available growing space within the woodland by the selective removal of exotic trees to improve the growth rate and health of the targeted native trees as well as allowing space for enhancement planting. The detailed requirements of the thinning process are as follows:

- (a) Thinning of exotic pioneer species shall be carried out when the crown and root of the native trees planted have been developed during the establishment period of Initial Planting phase to withstand the exposed conditions.
- (b) Regular thinning shall also be carried out where appropriate during the establishment period of Initial Planting phase. The frequency of the regular thinning process shall be agreed with the IEC and AFCD.
- (c) Exotic species, *Acacia confusa* and *Acacia mangium*, shall be removed from the woodland compensation area to provide space for the native species for further growth and for the enhancement planting. The Contractor shall obtain consent from the IEC, AFCD and the Engineer before removal of those trees.
- (d) The thinning process shall be carried out before the growing season prior to the commencement of planting works for enhancement planting.
- (e) Thinning works shall only be carried by using hand tools. The Contractor shall provide detailed method statement for the thinning process prior to commencement of any thinning works. Trial thinning shall be carried out in selected area in the presence of the IEC, AFCD and the Engineer before the proposed method statement is accepted.
- (f) The thinned trees shall be reduced to wood chips and shall be left on the woodland floor.

(7) Enhancement planting in any areas shall only commence after the implementation of the initial planting for 3 years and after thinning of exotic species have been completed to the satisfaction of the IEC, AFCD and the Engineer. The exact commencement date of enhancement planting in any areas shall be agreed or as directed by the IEC, AFCD and the Engineer.

(8) Not used.

*Sodium bentonite 3.105
waterproofing
composite*

(1) The sodium bentonite waterproofing composite shall be a proprietary product and shall consist of one woven and one non-woven polypropylene interlocked geotextiles encapsulating a minimum of 4.88kg/m² of granular natural sodium bentonite, with permeability not exceeding 1 x 10⁻⁹ cm/sec and puncture resistance of 500N.

(2) The geotextiles shall be interlocked using a needle punching process, which shall push the fibers of the non-woven geotextile through the bentonite layer and integrate into the woven geotextile.

(3) Before application of the waterproofing composite, the substrates shall be compacted to a minimum of 85% modified proctor density for uniform support of waterproofing composite. The installation surfaces shall be free of excessive standing water, large voids, and projections.

(4) The sodium bentonite waterproofing composite shall be installed in strict accordance with the manufacturer's instructions.

- End of PS Section 3 -

P.S. APPENDIX 3.1

TREE TRANSPLANTING

(P.S. CLAUSE 3.97(19))

APPENDIX 3.1

TREE TRANSPLANTING

1.1 TRANSPLANTING OF EXISTING TREES

All transplanting works should ideally be undertaken in early spring (March to October) to increase the chances of the trees' successful re-establishment. Transplanting operation should be timed so as to avoid strong sun or drying winds. The new position or storage facilities should be prepared before the tree is moved, so that the tree can be repositioned within two hours of lifting. The trunk and major boughs should be wrapped in damp hessian to protect from damage in transport and to reduce transpiration. Anti-transpiration spray can also be used on foliage. Crown thinning before transplanting is recommended. All stages of transplanting should be supervised or preferably undertaken by qualified arboriculturalists. The method to be adopted by the Contract shall be submitted for approval of the Engineer prior to work execution.

1.2 TREE SURGERY WORKS

Tree pruning and thinning should be carried out as instructed by the Engineer during the preparation period before transplanting. All tree surgery work should be in accordance with British Standard 3998 (1989) "Recommendations For Tree Work". Minor pruning of additional limbs may be required after replanting.

1.3 SEQUENCE OF TRANSPLANTING OPERATIONS

Transplanting operations should be in accordance with British Standard 4043 (1989) "Transplanting Root-balled Trees". Preparation for moving should ideally begin several months before the transplanting operation is required (See Fig. 2.1).

- (a) A root ball area which incorporates at least half of the area of the tree crown should be marked out and later a trench is dug around this area. Roots should be carefully pruned and treated with an approved fungicidal gel. Ideally this operation should be completed at least 6 months before moving so that the tree can establish new fibrous root within the rootzone. The root zone should be watered. A root feed with an approved slow release fertiliser is recommended.

- (b) Crown thinning and shaping should be undertaken during this period.
- (c) The rootball size for transplanted trees should be a minimum of 1000mm in diameter and 700mm in depth.
- (d) Precautions against desiccation can include hessian wrapping or anti-transpiration paints and these should be applied before transplanting operations begin.
- (e) The rootball should be kept intact with all soil. At lifting, a spade or specialised lifting bucket can be slipped under the rootball and a strip of hessian or geotextile fabric pulled around the rootmass. The rootball and tree should be kept moist at all times.
- (f) The whole tree should be lifted, using specialised equipment if necessary, and moved to its new position within 2 hours. The new planting position should be prepared as for any new tree, using fertiliser in the backfill material and soil conditioner as necessary. The tree should be orientated to best suit the new position and thoroughly watered in.
- (g) The tree should be firmly secured using either well anchored guys, with ratchet turnbuckles for adjustment, or a sturdy bamboo tripod arrangement (with poles of a minimum diameter of 75mm), as instructed by the Engineer. Ties should be adjustable and should include wrapping to prevent chafing.
- (h) Watering should be thorough and regular (at least twice a week) for the first months of establishment.
- (i) Any damaged or additional branches should be pruned after planting.
- (j) The contractor should keep an accurate photographic record (dated), of all stages of the transplanting operation for submission to the Engineer.

- (k) Transplant trees of special conditions such as over-mature size, Leaning growing form, wall tree etc. to be subject to special requirements as listed below and method statement for Engineer prior approval is a must:
- (i) Over-Mature Size (DBH over 500mm)
- at least 6 months of time or more shall there be for root-ball preparation works before transplanting operations to be carried out;
 - size of prepared root ball shall conform to clause 1.03 (a) and with the minimum size not below 2500mm width and 1000mm depth;
 - due to weight of the tree exceeding normal situation, the anchor point for tree lifting during transplanting might not on the tree main trunk on the opinion of the Engineer and/or depend on situation (i.e. tree species);
 - extensive pruning shall be avoided and pruning works shall be under Engineer supervision;
- (ii) Leaning Tree
- adequate temporary support shall be provided to severe leaning tree during preparation period, at where anchor roots are severed for root ball preparation;
 - after transplanting, tree shall be positioned in manner of up-straight and without suffocation of the root zone;
 - tree pruning to be carried out as necessary to encourage balance and symmetric tree form.

- (l) For transplanting of tree at vicinity of residents or public road etc., the Contractor shall be responsible to the public safety and exercise maximum effort to avoid causing any damage and disturbance to the mentioned; unless solid proof is provided by the Contractor that the situation is out of their control, the Contractor shall assume any cost and liability incurred.
- (m) The overall shape of the tree should be maintained after pruning.
- (n) Photo record of the complete tree transplant process should be submitted for Engineer review.

1.4 MAINTENANCE WORKS

(a) Maintenance in Temporary Position

When transplanted plants cannot be immediately re-planted in the intended final position, a secure, sheltered and otherwise suitable storage nursery should be designated by the Contractor for approval by the Engineer. Keeping transplanted trees in the temp position within this period will be the same as for the Establishment Works, (see below), but will not constitute part of the Establishment Period. The length of temporary off-site maintenance will vary from contract to contract.

(b) Establishment Works

Establishment Works are those works to establish the transplanted tree and to be carried out during the Establishment Period. These works are treated as outstanding works when the transplanting tree is replaced.

(c) Establishment Period

The Establishment Period should extend through at least one growing season from the date of the completion of the replanting works certified by the Engineer. This would normally correspond to a period of 12 months as required.

(d) Dead Plants

The contractor will replace, at own expense, any plant which in the opinion of the Engineer dies, is seen to be dying, or fails to thrive, during this period as a result of bad workmanship, poor quality maintenance or neglect.

(e) Replacement Planting

Replace dead or ailing plants as Clause 1.04(d) within two (2) weeks of being identified, the largest available good quality nursery stock, but at least Mature size, of similar species unless otherwise instructed by the Engineer.

(f) Mature Trees

Mature Trees to have all the following characteristics:

- (i) a sturdy, straight stem, not less than 2000mm in height from soil level to the lowest branch,
- (ii) a stem diameter, greater than 300mm when measured at a point one metre above the root collar.
- (iii) a well balanced branching head, or a well defined straight and upright leader with branches growing out from the stem with good symmetry, and a minimum length of 1500mm,
- (iv) a total height above soil level greater than 7000mm,
- (v) "grown on" in China,
- (vi) a root ball not less 1200mm in diameter and 1000mm in depth,
- (vii) a root system previously under cut a minimum of one year prior to lifting, to encourage compact fibrous growth.

(g) Damaged Plants due to Vandalism

The contractor is not responsible for replacing dead or damaged stock resulting from proven vandalism. The onus is at all times on the Contractor to prove that death or damage was so caused by circumstances beyond his control and in any event, no claim shall be considered unless submitted in writing to the Engineer within three working days of the event happening.

(h) Damaged Plants due to Typhoons

Within 48 hours of Typhoon signal No. 8 or above being lowered, replant all plants blown over, firm up all other plants, provide the Engineer with a photographic record of the Site, and prepare a detailed report of all plants which have suffered structural damage. As soon as practical thereafter remove dead plants and clear the Site of all debris providing the replanting works are carried out each day. "The Employer" will accept responsibility for dead or dying plants recorded one month after the typhoon, excepting those plants recorded as being dead or dying prior to the typhoon. Thereafter responsibility reverts to the contractor. Should the replanting not be carried out within the time period, or the works not carried out satisfactorily, than the Contractor shall be held responsible for all plant re-placements.

(i) Records

Ensure that the Approved Foreman reports to the Engineer's office before and after carrying out the day's maintenance work and make a countersigned record of the work carried out available for inspection at that office. These reports shall contain operations undertaken or specific tree locations and materials used. Provide monthly photo record showing the condition of the plants.

(j) Water

The Contractor is required to provide non-toxic water throughout the establishment period.

(k) Weeding

Keep all planted areas weed-free. Undertake a weeding operation at least once a month. Replace any aggregate or soil disturbed or removed during this process.

(l) Weed Disposal

Collect all weeds and rubbish during these operations and remove from the Site to a properly designated tip.

(m) Firming Up

Undertake firming-up of plants from time to time during the period and particularly after heavy rain and/or wind.

(n) Tree Ties

Tighten, or slacken tree ties as necessary for the healthy growth of the tree, and adjust or replace the protective pad as necessary to prevent chafing of the bark.

(o) Pruning

Carry out pruning when instructed during the Establishment Period, to encourage bushy growth good form. Remove dead, damaged or crossing branches.

(p) Pests and Fungal Growth

Regularly check for any insect attack or fungus infestation particularly during known periods of activity. Report to the Engineer any such occurrence and carry out remedial measures by use of sprayed effective approved insecticide or fungicide in strict accordance with the manufacturer's instruction. Take due care and have regard to the safety and convenience of the general public and carefully control the spraying to avoid unnecessary dispersion.

(q) Final Handover

Carry out an inspection and formal check of the Works at the end of the Establishment Period, with the Engineer. Carry out the final visit for all regular operations included in the specification, immediately prior to the final handover of the transplanted trees.

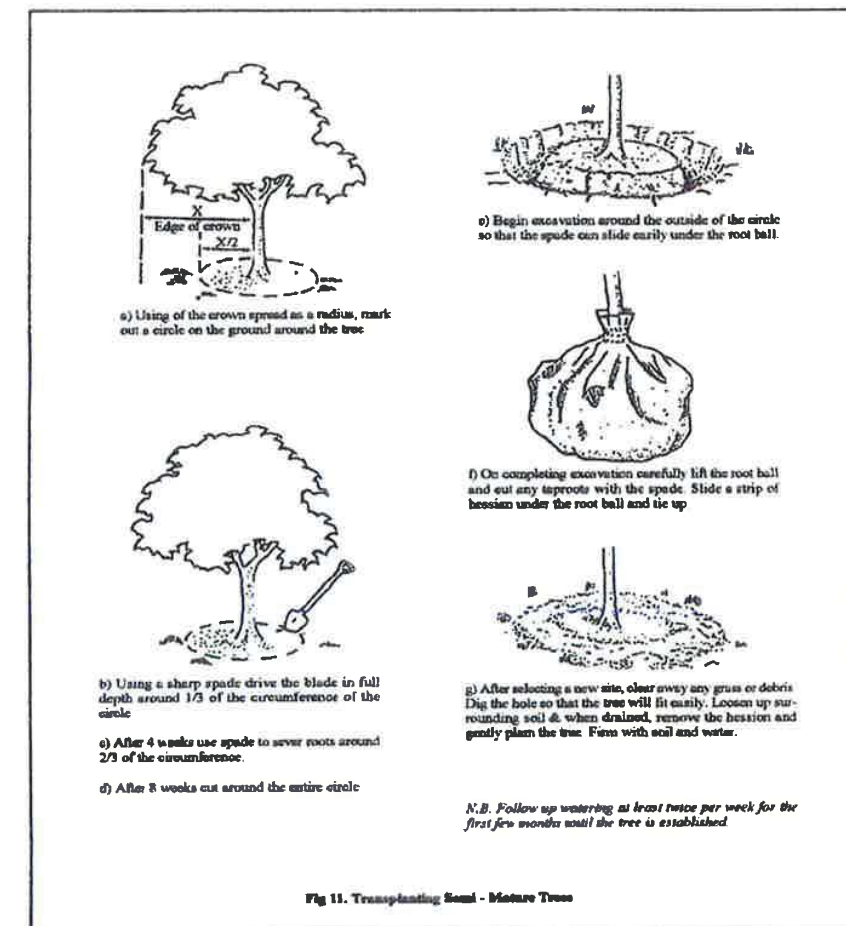


Fig.2.1 Transplanting Stages

Proposed Maintenance Demarcation Plan for Soft Landscape Works

1. Drawings
(Total 37 sheets including the drawing list)
2. Management and Maintenance Matrices
(Total 17 pages including the dividers)
3. Correspondences of Agreements with Management and Maintenance
Departments
(Total 22 correspondences)

Appendix U - 1

Maintenance Demarcation Plans

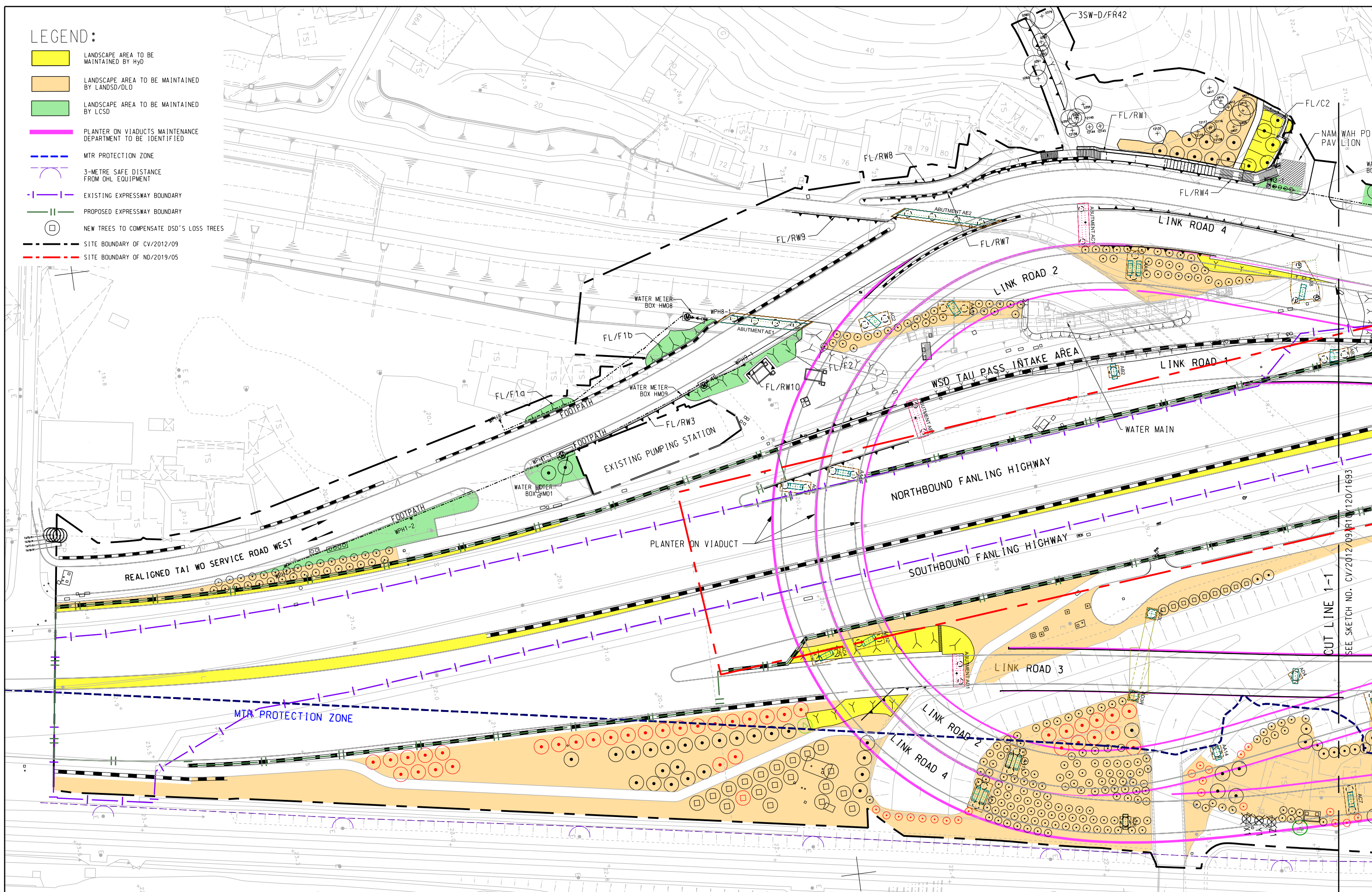
Appendix U

Drawing List of Proposed Maintenance Demarcation Plan for Soft Landscape Works

<u>Title</u>	<u>Sketch No.</u>	<u>Rev.</u>
Contract 3		
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 1 of 3)	CV/2012/09/R10/120/1692	O
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 2 of 3)	CV/2012/09/R10/120/1693	S
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 3 of 3)	CV/2012/09/R10/120/1694	O
Contract 2		
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 1 of 5)- Lung Shan Tunnel North Portal	CV/2012/08/R10/120/1375	K
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 2 of 5)- Lung Shan Tunnel South Portal	CV/2012/08/R10/120/1376	J
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 3 of 5)- Princess Hill	CV/2012/08/R10/120/1377	I
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 4 of 5)- Lung Shan Tunnel Mid Ventilation Building	CV/2012/08/R10/120/1378	G
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 5 of 5)- Administration Building	CV/2012/08/R10/120/1379	K
Proposed Maintenance Demarcation Plan for Soft Landscape Works -Sha Tau Kok Interchange	CV/2012/08/R10/120/2051	D
Contract 6		
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 1 of 20)	CV/2013/08/SK1682	R
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 2 of 20)	CV/2013/08/SK1683	B
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 3 of 20)	CV/2013/08/SK1684	K
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 4 of 20)	CV/2013/08/SK1685	C
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 5 of 20)	CV/2013/08/SK1686	H
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 6 of 20)	CV/2013/08/SK1687	H
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 7 of 20)	CV/2013/08/SK1688	J
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 8 of 20)	CV/2013/08/SK1689	H
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 9 of 20)	CV/2013/08/SK1690	D
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 10 of 20)	CV/2013/08/SK1691	O
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 11 of 20)	CV/2013/08/SK1692	H
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 12 of 20)	CV/2013/08/SK1693	J
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 13 of 20)	CV/2013/08/SK1694	H
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 14 of 20)	CV/2013/08/SK1695	O
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 15 of 20)	CV/2013/08/SK1696	M
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 16 of 20)	CV/2013/08/SK1697	E
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 17 of 20)	CV/2013/08/SK1698	I
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 18 of 20)	CV/2013/08/SK1699	F
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 19 of 20)	CV/2013/08/SK1700	C
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 20 of 20)	CV/2013/08/SK1701	G
Proposed Maintenance Demarcation Plan for Soft Landscape Works - Portion SA01	CV/2013/08/SK1924	C
Proposed Maintenance Demarcation Plan for Soft Landscape Works - Lin Ma Hang Road (Sheet 1 of 3)	CV/2013/08/SK3770	-
Proposed Maintenance Demarcation Plan for Soft Landscape Works - Lin Ma Hang Road (Sheet 2 of 3)	CV/2013/08/SK3771	-
Proposed Maintenance Demarcation Plan for Soft Landscape Works - Lin Ma Hang Road (Sheet 3 of 3)	CV/2013/08/SK3772	A
Maintenance Demarcation for Tree Planting Works at 3NW-D/F20	CV/2020/05/NDO/N1/12/2021/026	-
Contract 5		
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 1 of 5)	CV/2013/03/SK0562	J
Proposed Maintenance Demarcation Plan for Soft Landscape Works (Sheet 2 of 5)	CV/2013/03/SK0563	G

LEGEND:

- LANDSCAPE AREA TO BE MAINTAINED BY HYD
- LANDSCAPE AREA TO BE MAINTAINED BY LANDSD/DLO
- LANDSCAPE AREA TO BE MAINTAINED BY LCSD
- PLANTER ON VIADUCTS MAINTENANCE DEPARTMENT TO BE IDENTIFIED
- MTR PROTECTION ZONE
- 3-METRE SAFE DISTANCE FROM OHL EQUIPMENT
- EXISTING EXPRESSWAY BOUNDARY
- PROPOSED EXPRESSWAY BOUNDARY
- NEW TREES TO COMPENSATE DSD'S LOSS TREES
- SITE BOUNDARY OF CV/2012/09
- SITE BOUNDARY OF ND/2019/05



CUT LINE 1-1
SEE SKETCH NO. CV/2012/09/R10/120/1693

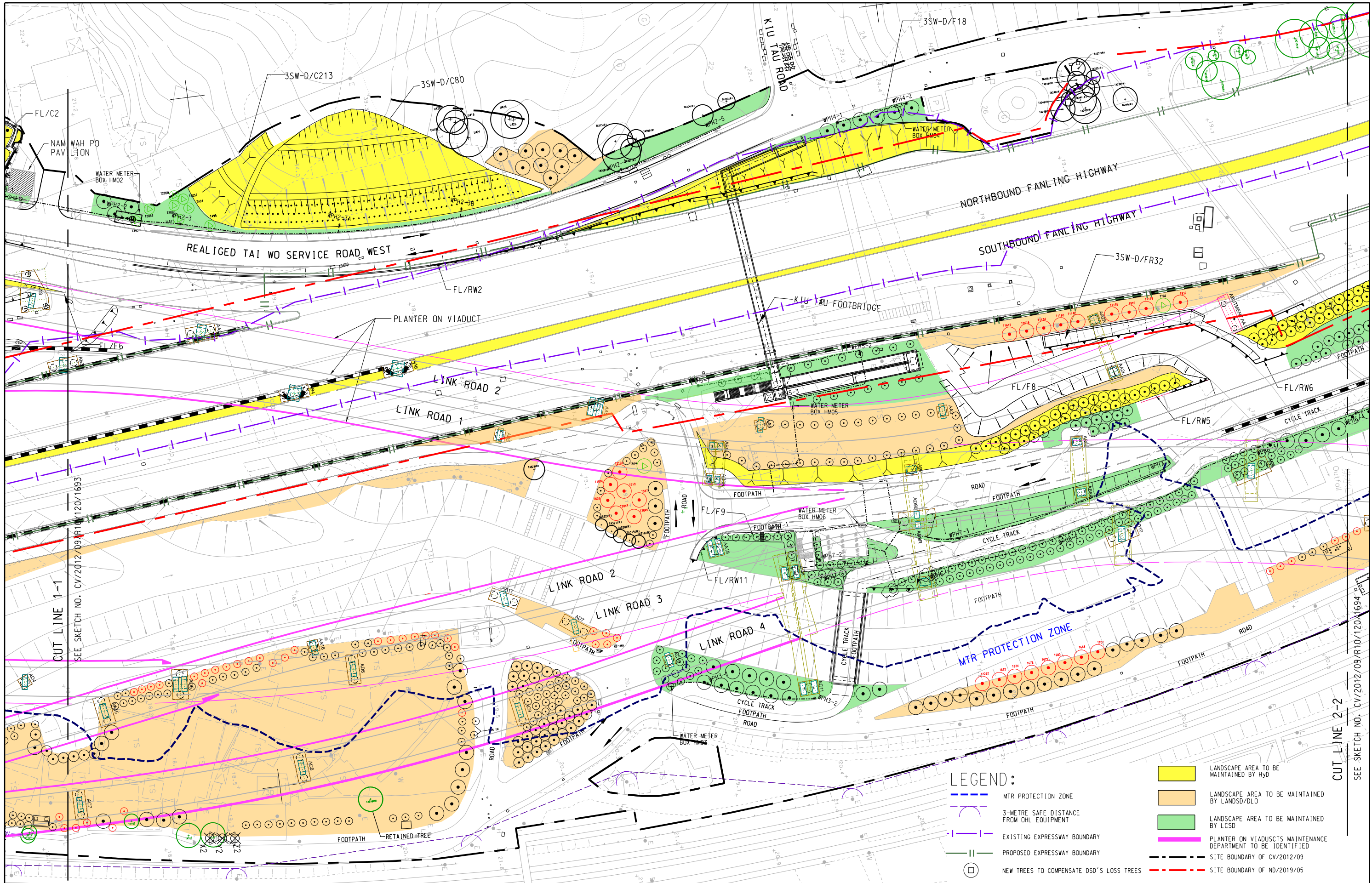
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CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS

(SHEET 1 OF 3)

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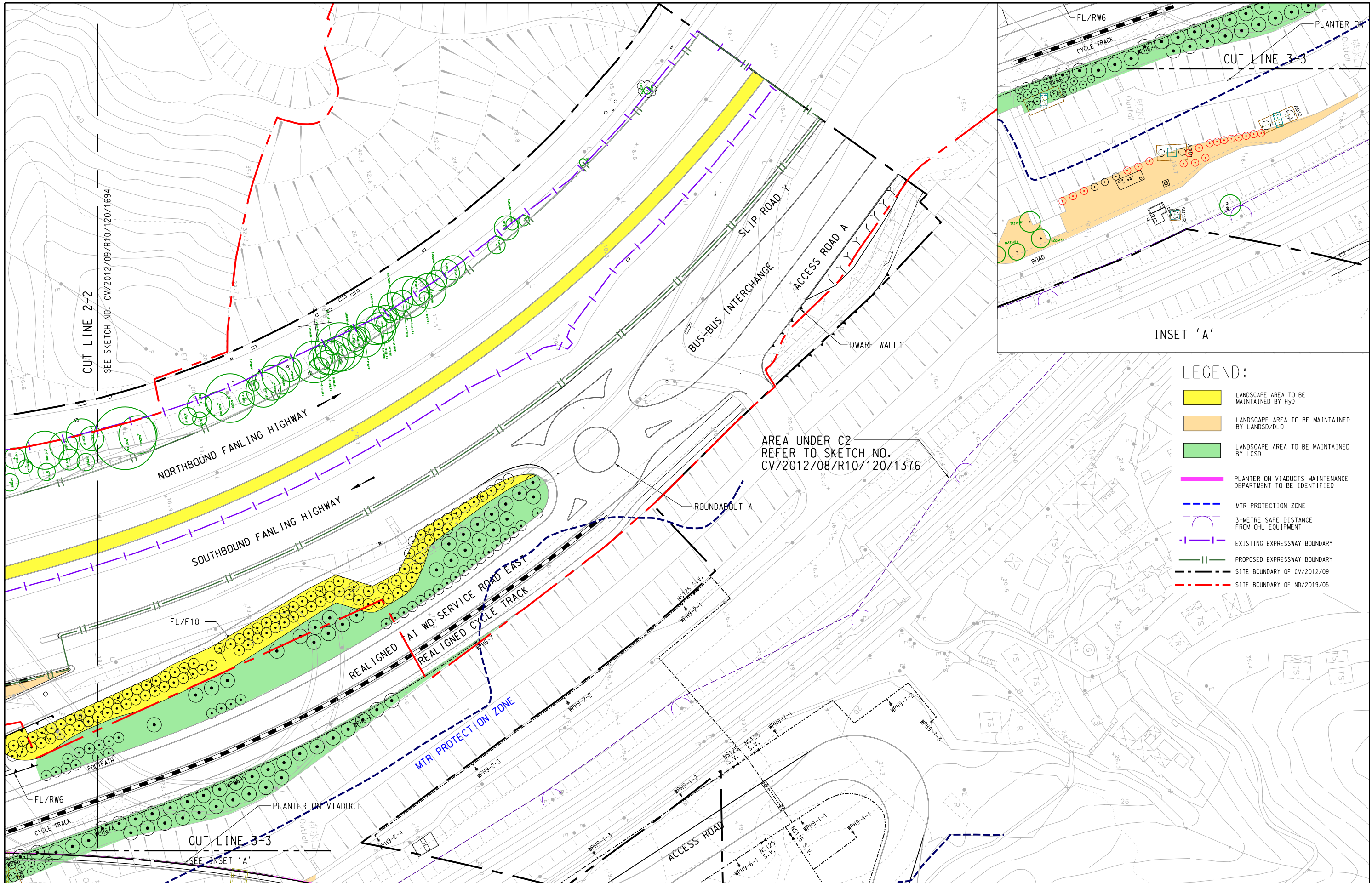


CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS

(SHEET 2 OF 3)

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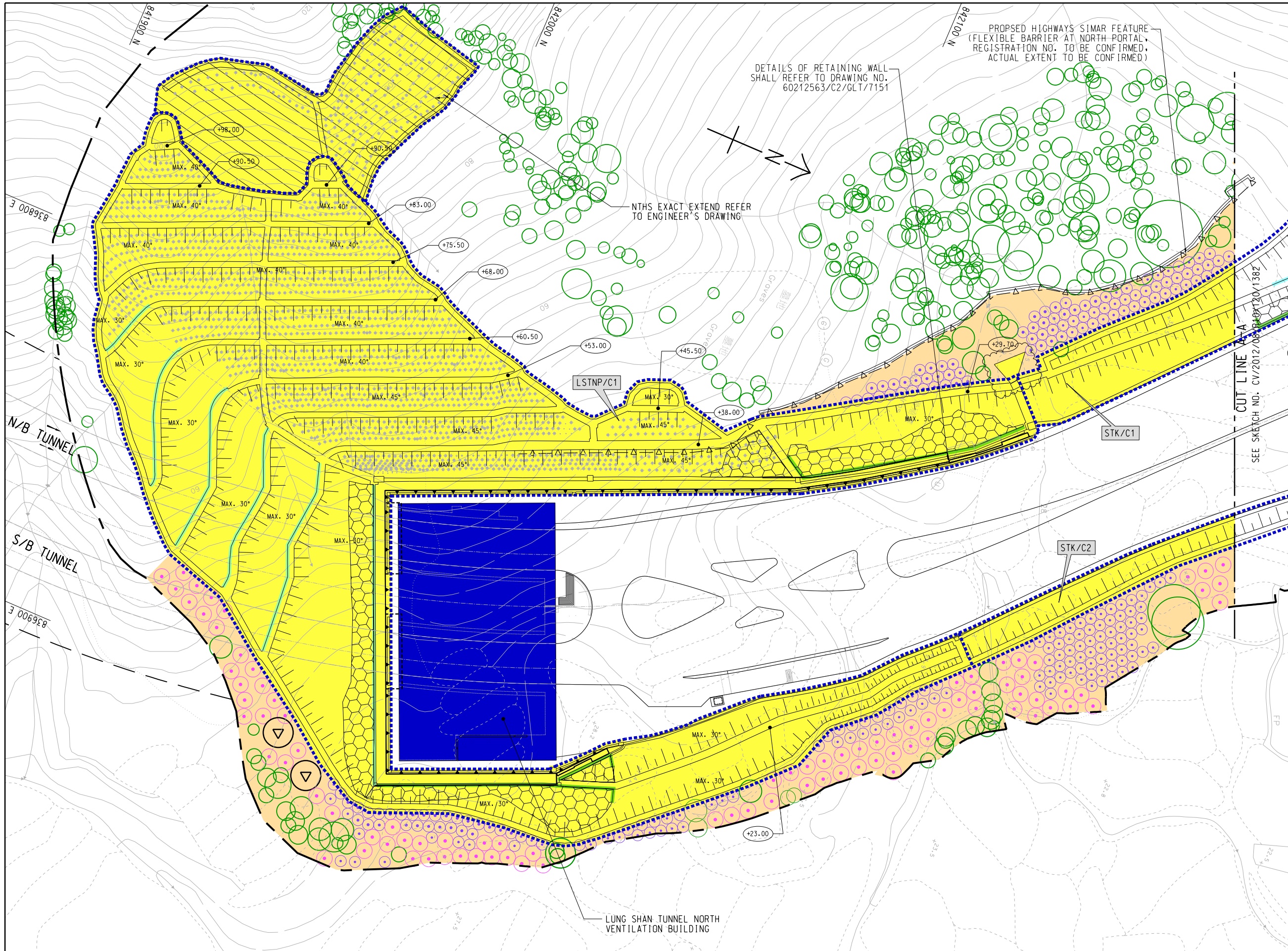
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CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS

(SHEET 3 OF 3)

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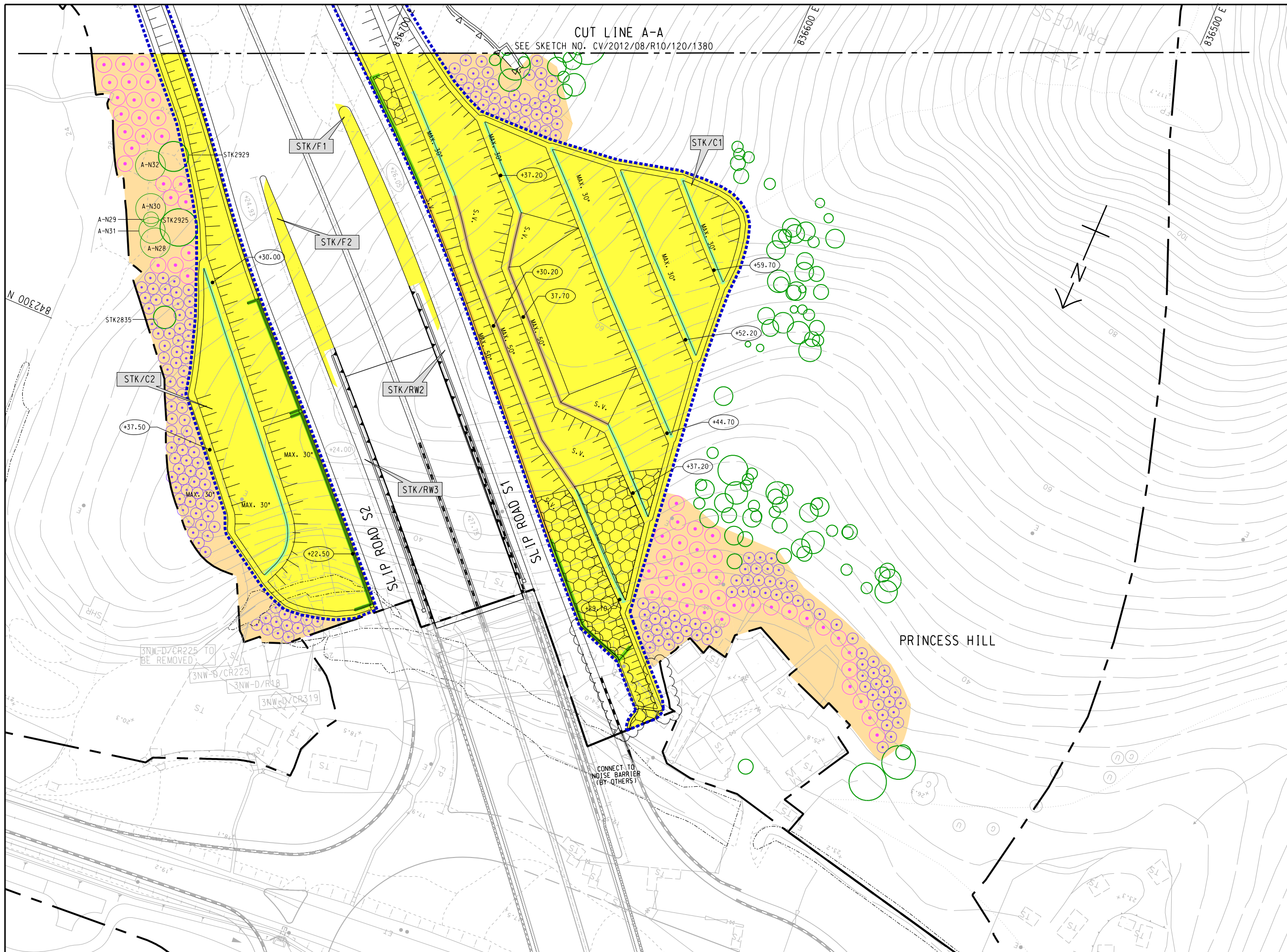
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 - PROPOSED LANDSCAPE AREA TO BE MAINTAINED BY DLO/N
 - LANDSCAPE AREA TO BE MAINTAINED BY MOM OPERATOR, UNDER TO MANAGED, Hyd TO PROVIDE SPECIALIST ADVICE.
 - PROPOSED HIGHWAYS SIMAR SLOPE BOUNDARY (SLOPE NO. TO BE CONFIRMED)
 - DETAIL B BERM PLANTER
 - DETAIL D BERM PLANTER
 - CONTRACTOR ALTERNATIVE PROPOSAL



CONTRACT NO. CV/2012/08
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 2

PROPOSED MAINTENANCE DEMARCATION PLAN
FOR SOFT LANDSCAPE WORKS (SHEET 1 OF 5) -
LUNG SHAN TUNNEL NORTH PORTAL

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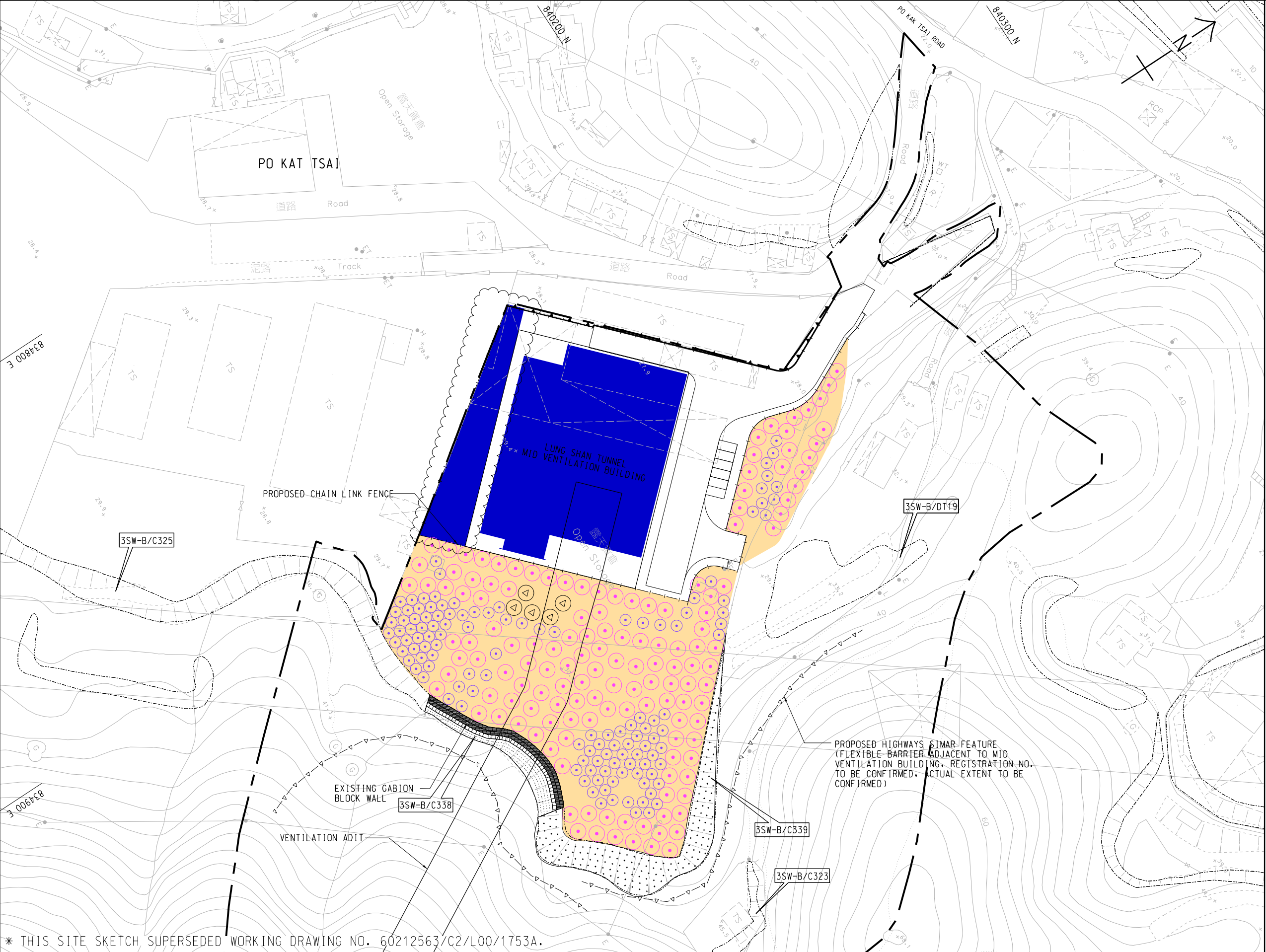
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- PROPOSED LANDSCAPE AREA TO BE MAINTAINED BY DLO/N
- PROPOSED HIGHWAYS SIMAR SLOPE BOUNDARY (SLOPE NO. TO BE CONFIRMED)
- DETAIL A BERM PLANTER
- DETAIL B BERM PLANTER
- DETAIL C BERM PLANTER
- DETAIL D BERM PLANTER
- CONTRACTOR ALTERNATIVE PROPOSAL

AECOM

CONTRACT NO. CV/2012/08
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 2

PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 3 OF 5) - PRINCESS HILL

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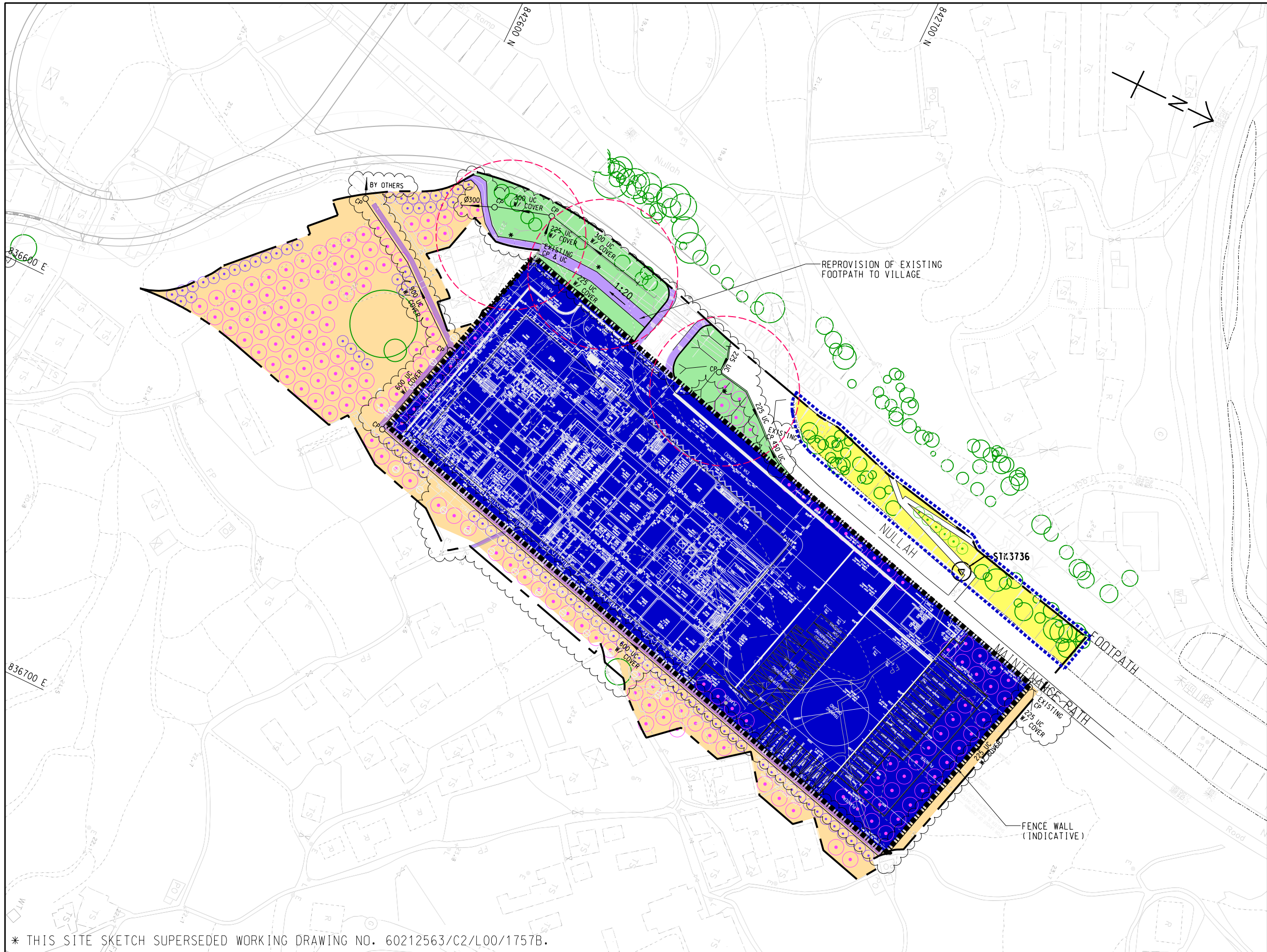


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- PROPOSED LANDSCAPE AREA TO BE MAINTAINED BY DLO/N
- LANDSCAPE AREA TO BE MAINTAINED BY MOM OPERATOR, UNDER TO MANAGED. HyD TO PROVIDE SPECIALIST ADVICE.
- PROPOSED HIGHWAYS SIMAR SLOPE BOUNDARY (SLOPE NO. TO BE CONFIRMED)

* THIS SITE SKETCH SUPERSEDED WORKING DRAWING NO. 60212563/C2/L00/1753A.

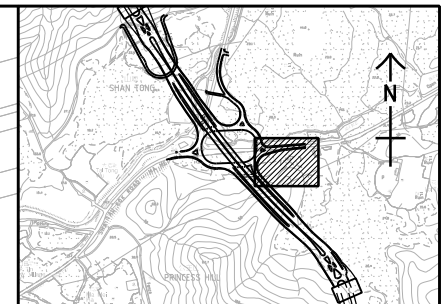
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 - LANDSCAPE AREA TO BE MAINTAINED BY MOM OPERATOR, UNDER TD MANAGED, HYD TO PROVIDE SPECIALIST ADVICE.
 - PROPOSED LANDSCAPE AREA TO BE MAINTAINED BY DLO/N
 - PROPOSED LANDSCAPE AREA TO BE MAINTAINED BY LCSD
 - IRRIGATION POINT
 - 20m RADIUS IRRIGATION COVERAGE
 - PROPOSED SIMAR SLOPE BOUNDARY
 - VILLAGE FOOTPATH MAINTENANCE DEPARTMENT TO BE IDENTIFIED

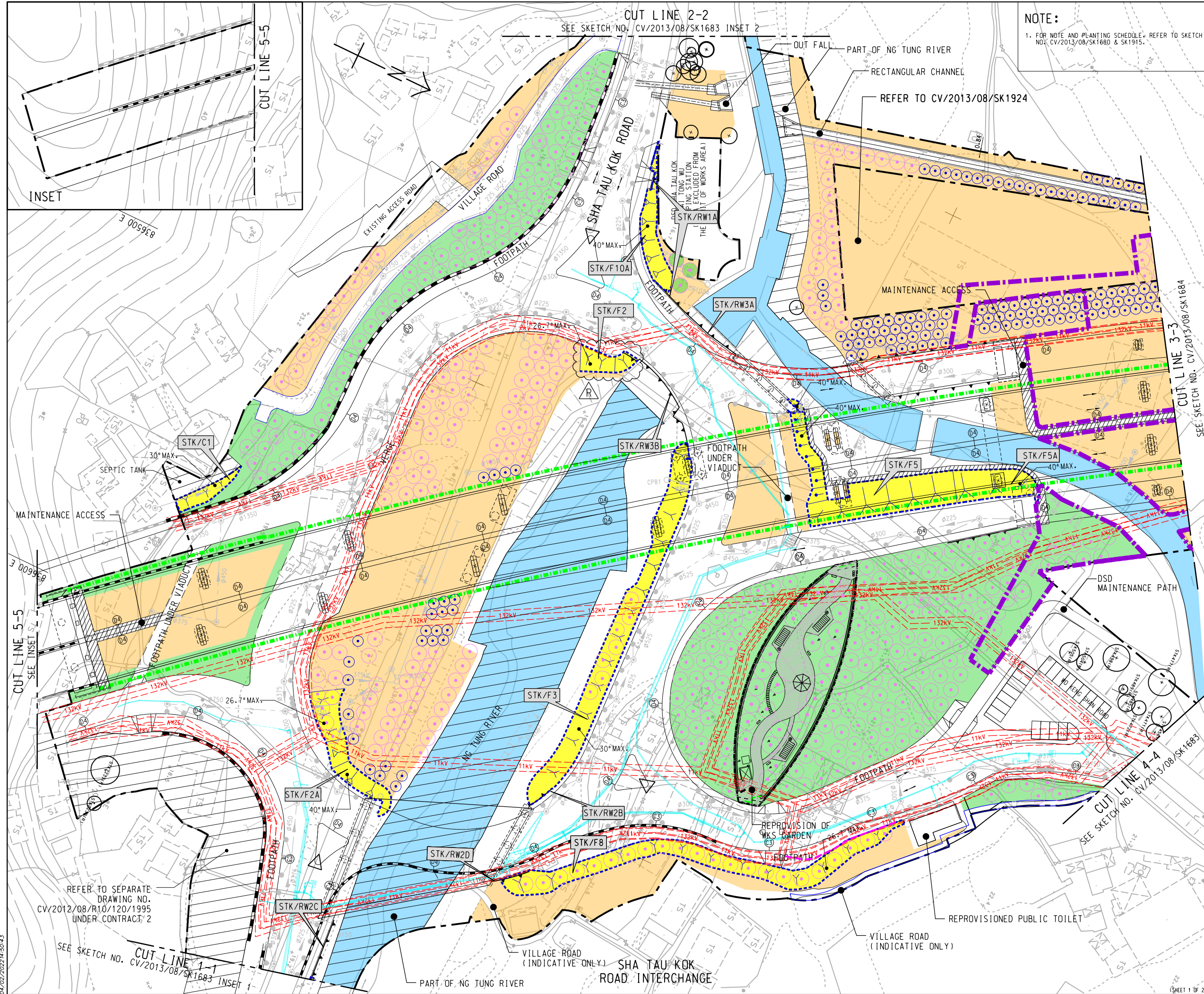
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KEY PLAN			
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	SITE BOUNDARY		E1 KERB
	E1A KERB		PROPOSED TREE PLANTING
	RETAINED TREE		U-CHANNEL WITH COVER
	450 U		9000
	DRAIN PIPE		450 SC
	STEPPED CHANNEL		CATCHPIT
	MANHOLE		IRRIGATION POINT
	MAINTAINED BY LCSD		MAINTAINED BY DLO/N
	20m RADIUS IRRIGATION COVERAGE		

	CONTRACT NO. CV/2012/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 2	PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS - SHA TAU KOK INTERCHANGE	SCALE	1:500 ON A3	DATE	25-AUG-20
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			JOB NO. 60212563/C2	SKETCH NO. CV/2012/08/R10/120/2051	REV D	
			DOCUMENT REFERENCE NO.			
25/08/2020 plot by:y.k.chan Q:\STO Group\TO-General\Contract 2\Site Sketch (C2)\SK2051\SK2051_D.dgn						



NOTE:
1. FOR NOTE AND PLANTING SCHEDULE, REFER TO SKETCH NO. CV/2013/08/SK1680 & SK1915.

LEGEND:

- SITE BOUNDARY
- WETLAND COMPENSATION AREA (TO BE MAINTAINED BY AFCD)
- EXISTING TREE TO BE RETAINED
- TRANSPLANTED TREE FINAL LOCATION
- PROPOSED TREE PLANTING (5M SPACING)
- PROPOSED TREE PLANTING (3M SPACING)
- PROPOSED PALM PLANTING (3M SPACING)
- EXISTING SIMAR SLOPE BOUNDARY
- PROPOSED SIMAR SLOPE BOUNDARY
- PROPOSED FLEXIBLE BARRIER
- DRAINAGE SYSTEM (UNDERGROUND UTILITY REFER TO ENGINEER'S DRAWINGS)
- 11kV CABLE
- 132kV CABLE
- WATER MAIN
- LIGHTING POLE
- VILLAGE'S ACCESS (INDICATIVE ONLY)
- PILLAR BOX
- UNRESOLVED LANDSCAPE AREA AT BRIDGE STRUCTURE
- LANDSCAPE AREA TO BE MAINTAINED BY HAD
- LANDSCAPE AREA TO BE MAINTAINED BY HYD
- LANDSCAPE AREA TO BE MAINTAINED BY LCSD
- LANDSCAPE AREA TO BE MAINTAINED BY DLO/N
- LANDSCAPE AREA TO BE MAINTAINED BY MOM OPERATOR, UNDER TO MANAGED, HYD TO PROVIDE SPECIALIST ADVICE.
- 10m FROM ROAD KERB FROM PUBLIC FOOTPATH
- AREAS TO BE HANDED OVER TO MAINTENANCE DEPT AFTER 30 SEPTEMBER 2021 (EXACT DATES TO BE CONFIRMED)

REFERENCE:

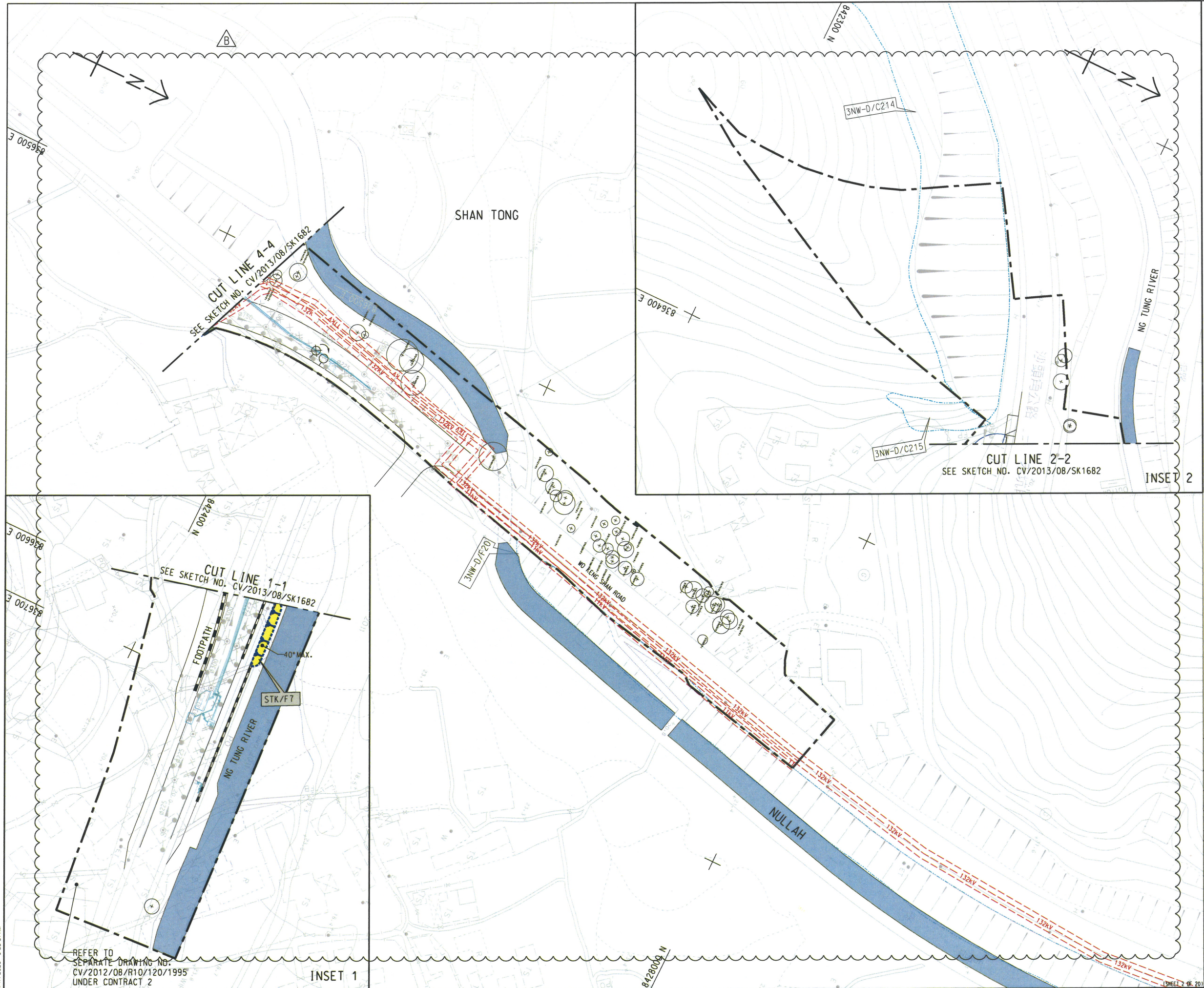
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Q	20/08/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
P	25/05/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
O	16/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
N	24/03/20	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
M	24/02/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
L	10/01/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
K	06/01/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
J	16/12/19	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
I	31/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
H	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
G	14/05/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
F	24/04/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
E	22/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
C	09/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
B	23/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
A	29/11/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1682R SCALE 1:1000 (A3)



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

REFERENCE:

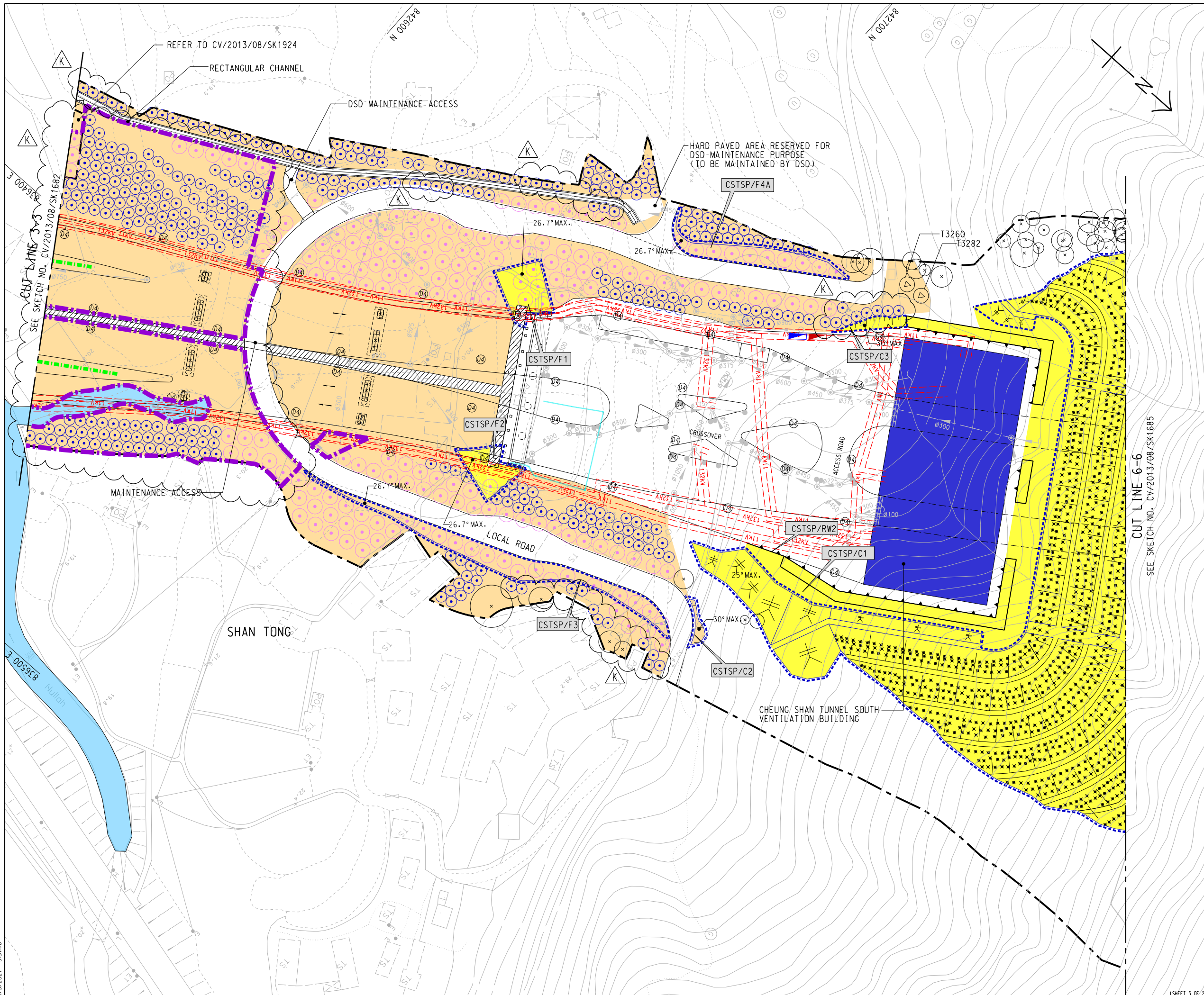
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A	09/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1683B SCALE 1:1000 (A3)



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

LEGEND:

AREAS TO BE HANDED OVER TO MAINTENANCE DEPT AFTER 30 SEPTEMBER 2021 (EXACT DATES TO BE CONFIRMED)

REFERENCE:

K	20/08/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
J	25/05/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
I	06/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
H	31/03/20	ISSUE FOR CONSTRUCTION	JW	LYCM	CLSY
G	24/02/20	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
F	06/01/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	6/11/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
C	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
B	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	09/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

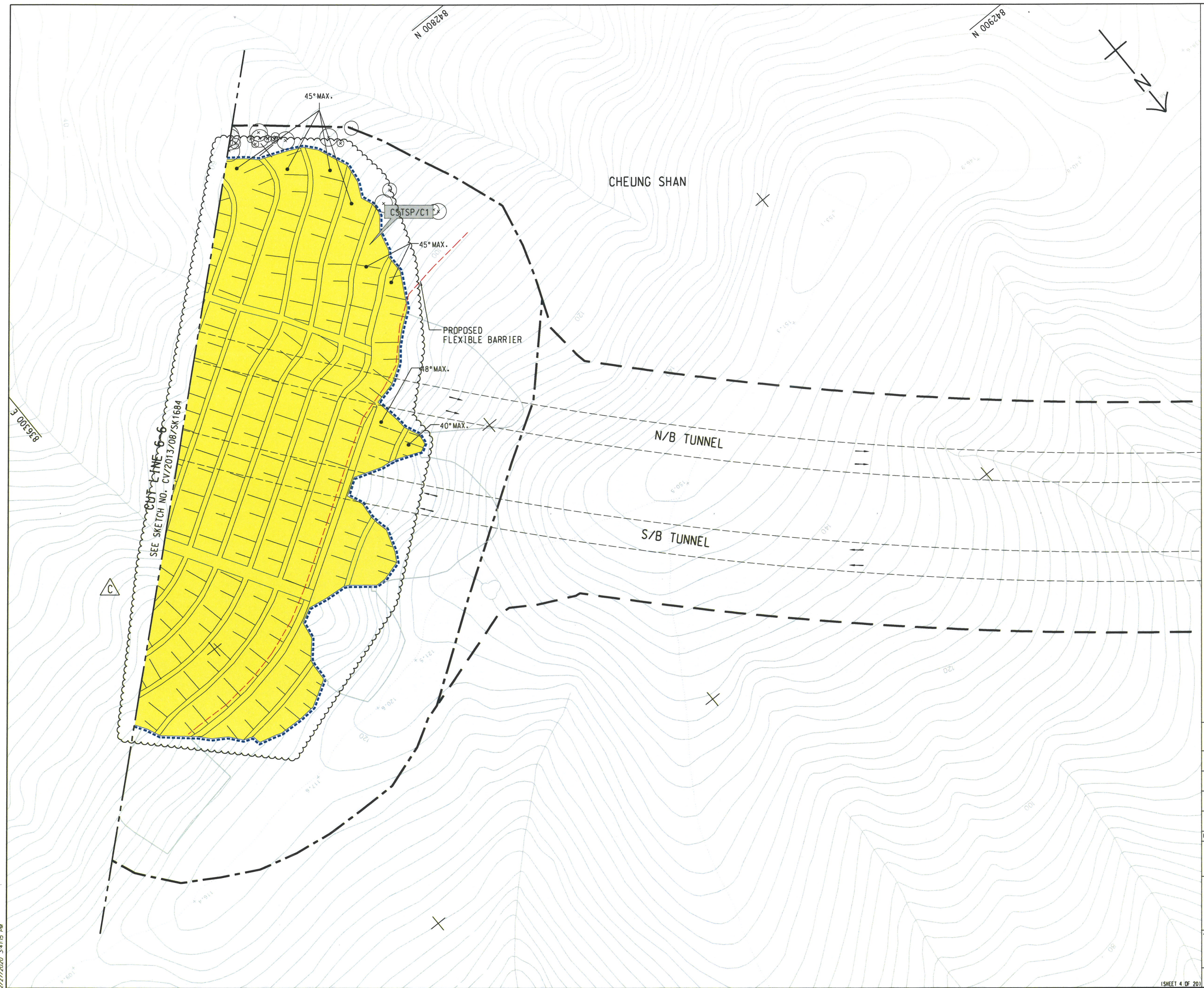
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1684K	SCALE 1:1000 (A3)
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NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

REFERENCE:

C	27/02/20	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
B	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
A	30/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

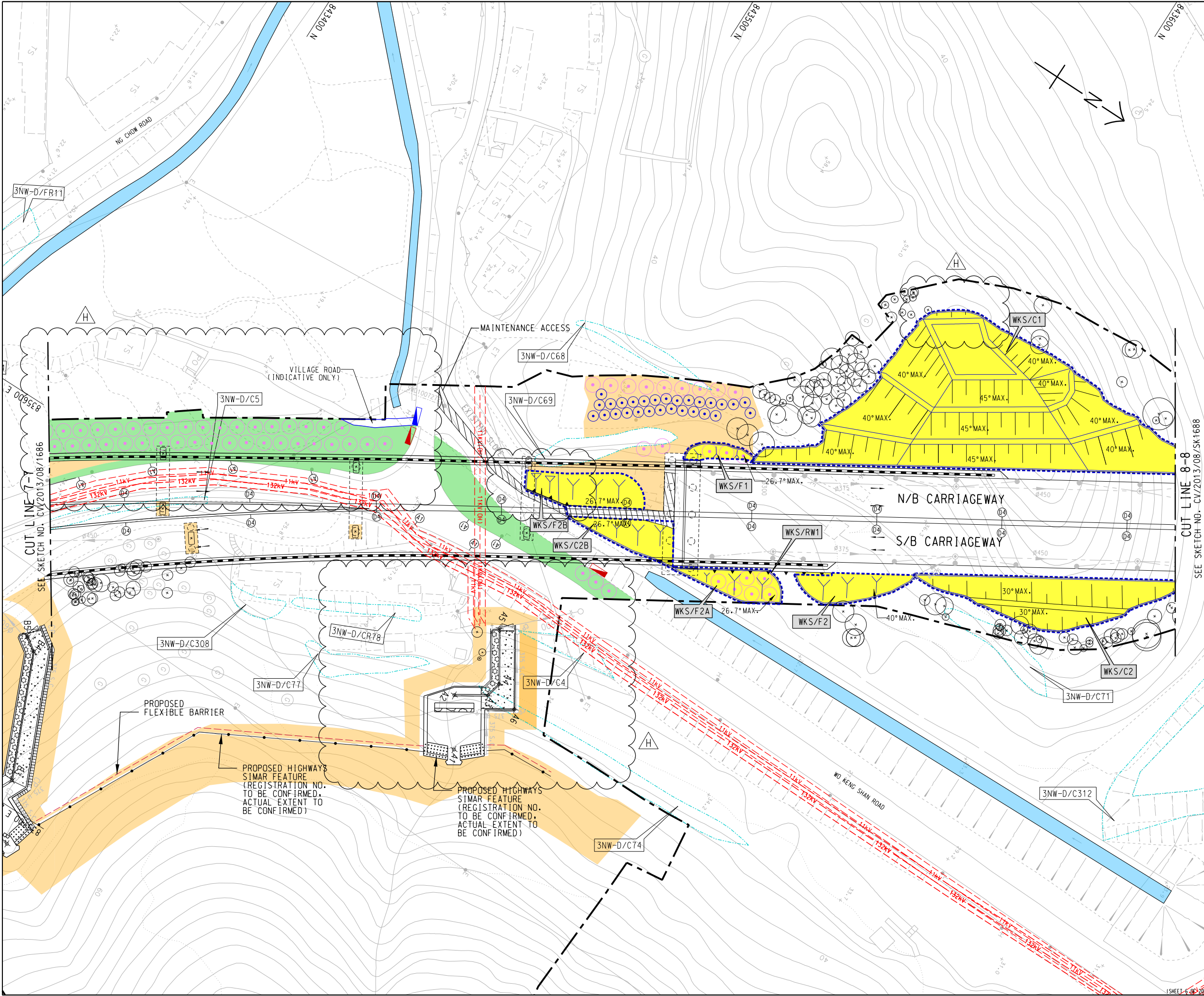
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1685C SCALE 1:1000 (A3)

2/27/2020 3:41:15 PM



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

REFERENCE:

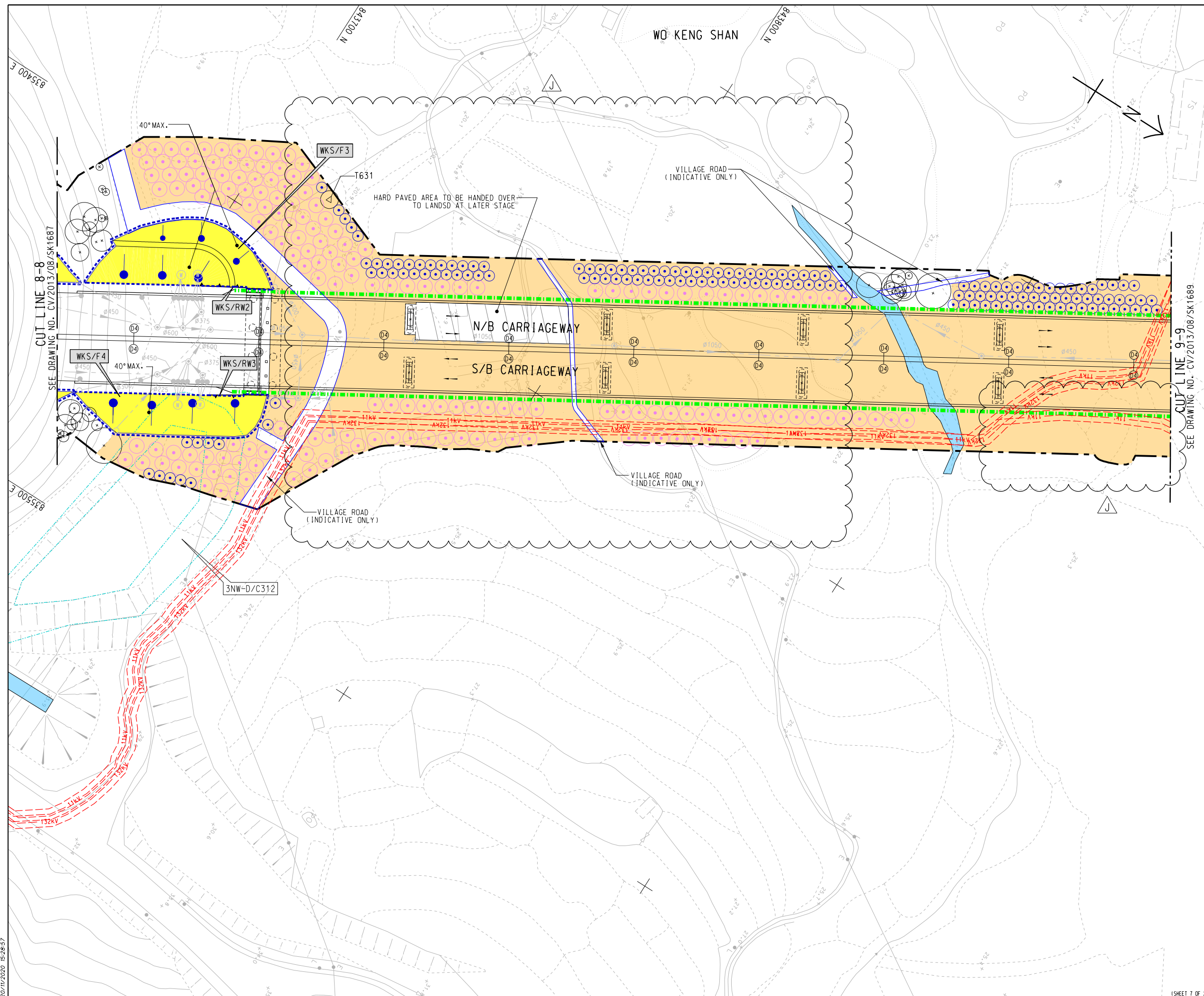
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G	25/02/20	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
F	29/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	14/05/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
C	06/12/18	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
B	09/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
A	25/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HUEN YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1687H	SCALE 1:1000 (A3)
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NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO.
CV/2013/08/SK1682.

REFERENCE:

J	06/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
I	26/03/20	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
H	25/02/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
G	10/01/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
F	29/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
D	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
C	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
B	17/01/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	06/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
-	21/09/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

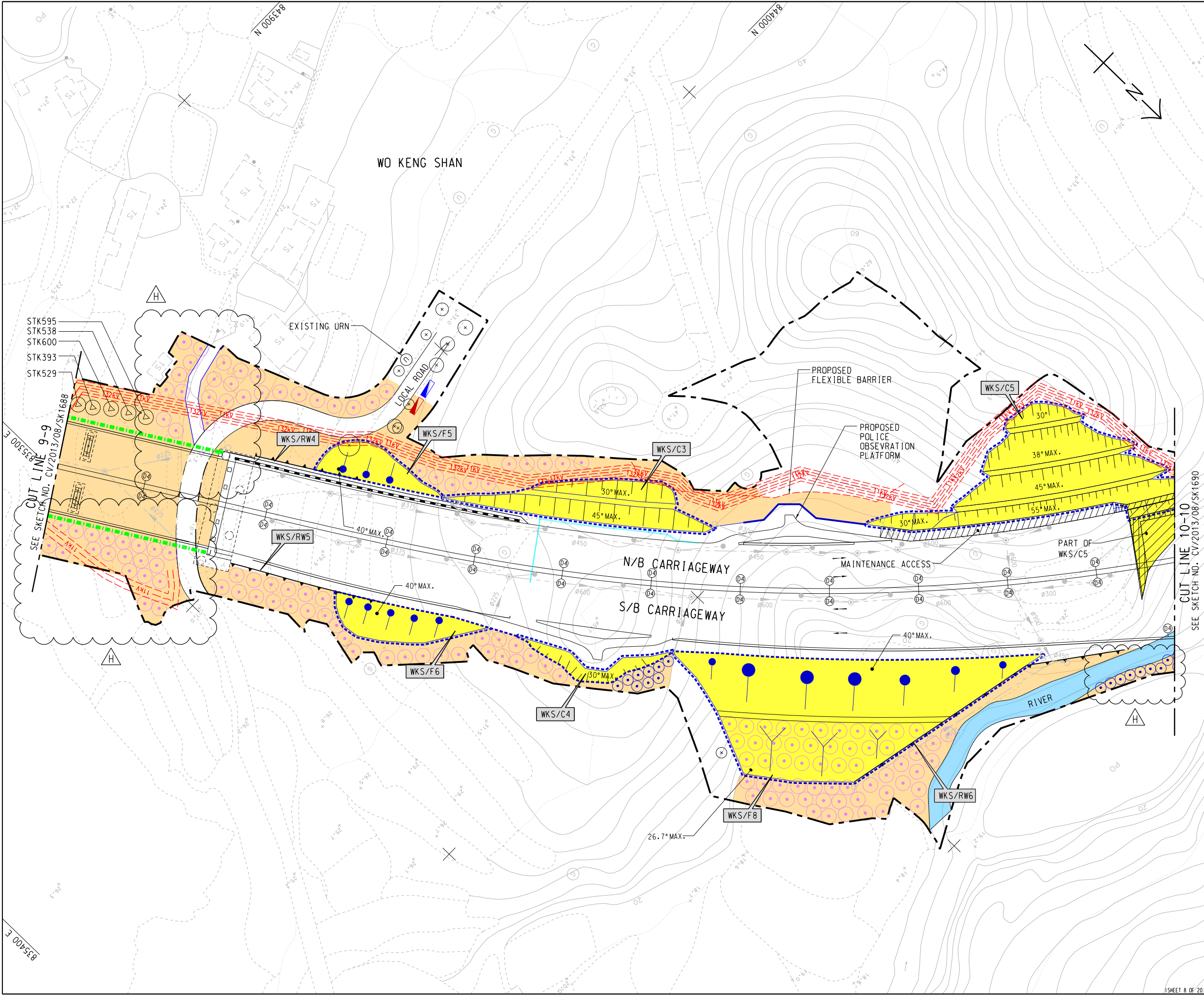
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:	PROPOSED MAINTENANCE DEMARCATIION PLAN FOR SOFT LANDSCAPE WORKS
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201	SKETCH NO.	CV/2013/08/SK1688J
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SCALE
1:1000 (A3)

(SHEET 7 OF 20)



NOTE:
1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

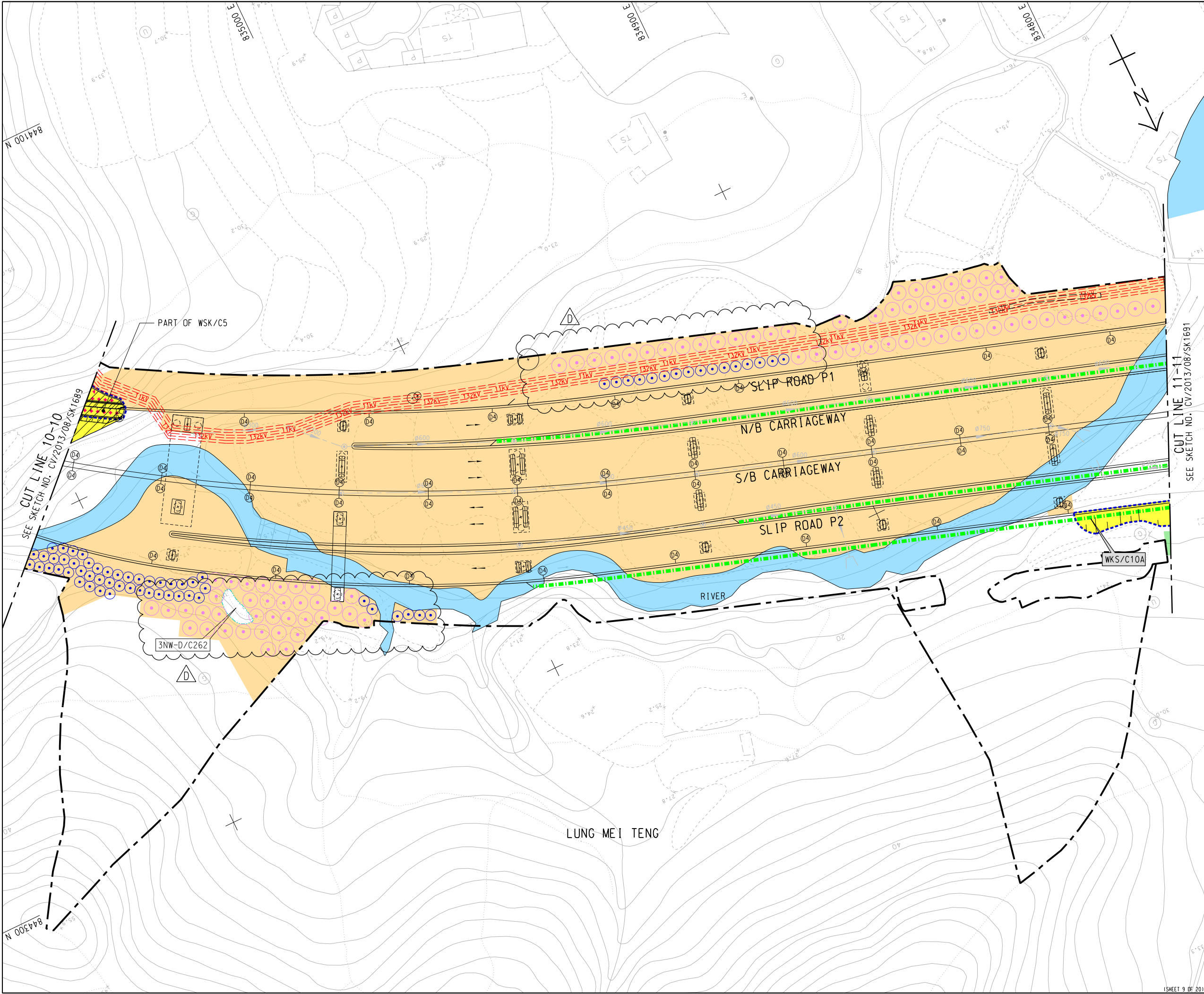
REFERENCE:					
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G	25/02/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
F	13/01/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
E	29/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
C	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
B	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	30/05/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1689H

SCALE 1:1000 (A3)



NOTE:
1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

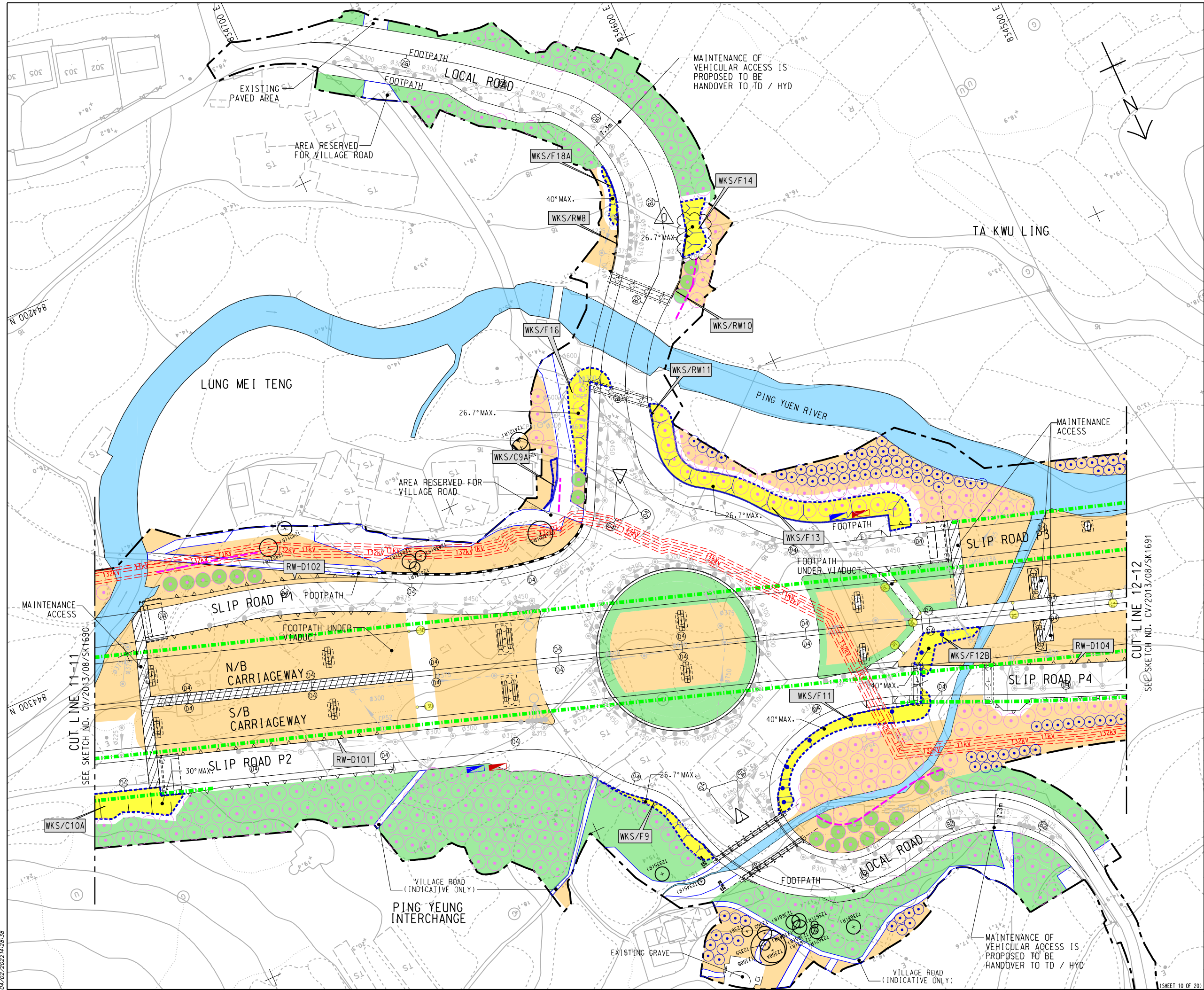
REFERENCE:					
D	06/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
C	25/03/20	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
B	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	05/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1690D SCALE 1:1000 (A3)



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

REFERENCE:

O	04/02/22	ISSUE FOR CONSTRUCTION	CYK	TNTK	TNTK
N	06/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
M	25/03/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
L	25/02/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
K	10/01/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
J	08/01/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
I	16/12/19	ISSUE FOR CONSTRUCTION	LKK	LYCM	CLSY
H	31/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
G	26/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
F	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
E	14/05/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	22/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
C	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
B	20/12/18	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	05/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

Rev.	Date	Description	Drawn	Prepared	Checked

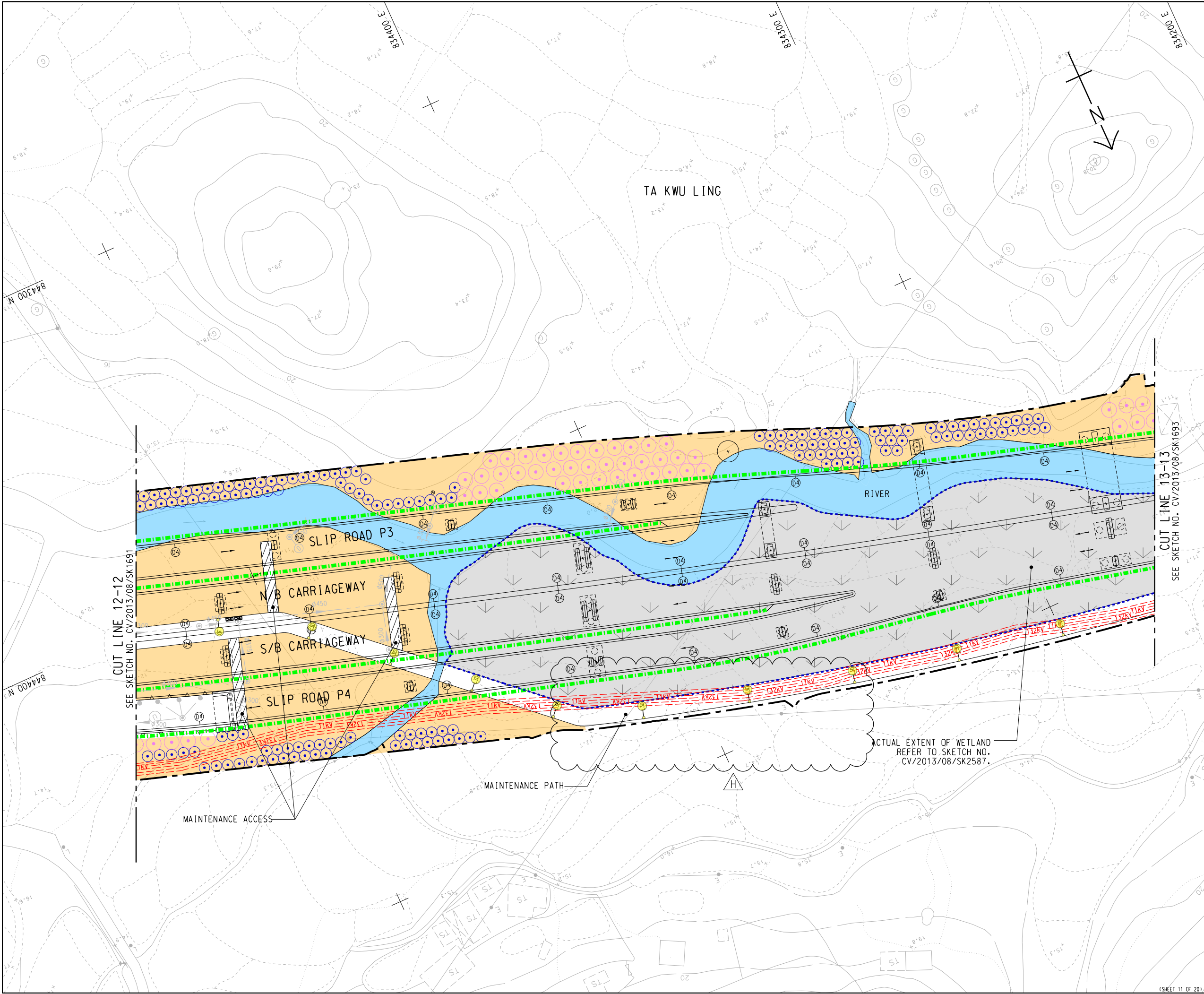
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK16910	SCALE 1:1000 (A3)
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04/02/2022 14:28:38



NOTE:
1. FOR NOTE AND LEGEND REFER TO SKETCH NO.
CV/2013/08/SK1682.

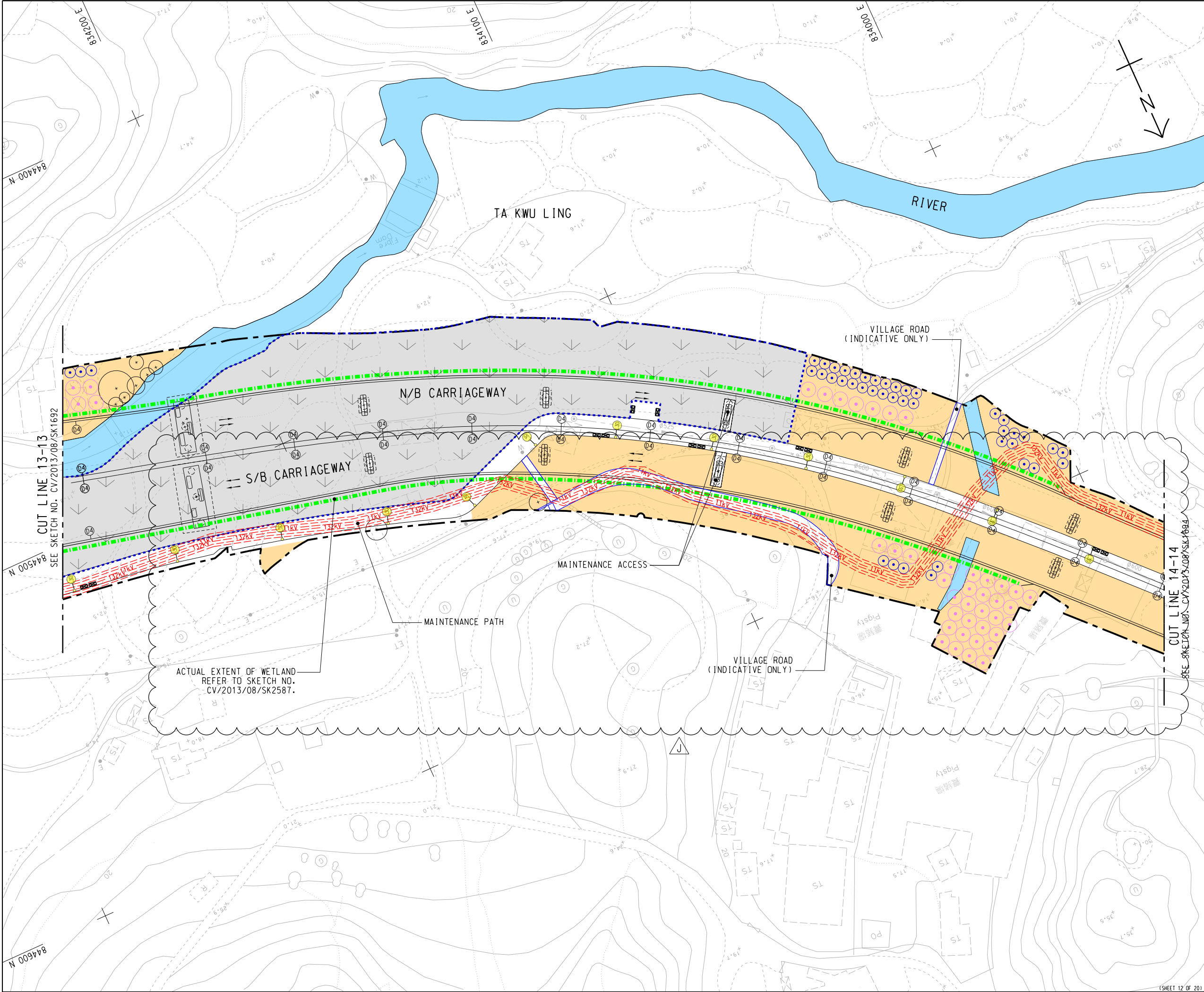
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G	25/02/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
F	13/01/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
E	16/12/19	ISSUE FOR CONSTRUCTION	LKK	LYCM	CLSY
D	23/09/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
C	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
B	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	05/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO.	CV/2013/08/SK1692H	SCALE	1:1000 (A3)
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NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

REFERENCE:

J	06/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
I	25/02/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
H	25/02/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
G	13/01/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
F	16/12/19	ISSUE FOR CONSTRUCTION	LKK	LYCM	CLSY
E	23/09/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
C	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
B	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	05/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1693J SCALE 1:1000 (A3)

844600 N
18/11/2020 15:01:22



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

REFERENCE:

H	01/06/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
G	25/03/20	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
F	28/02/20	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
E	29/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
C	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
B	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	05/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

Rev.	Date	Description	Drawn	Prepared	Checked

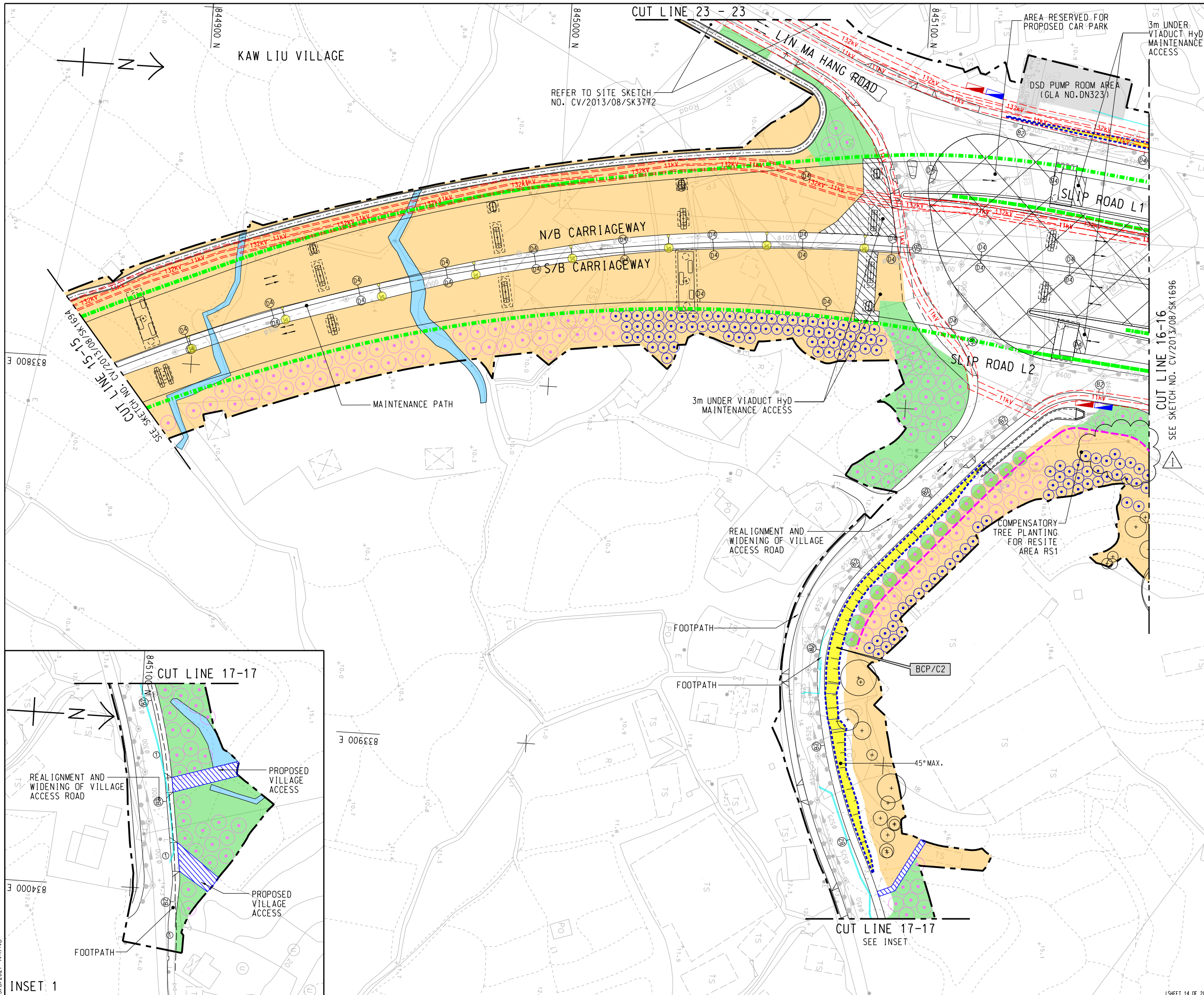
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CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:

PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO.	CV/2013/08/SK1694H	SCALE	1:1000 (A3)
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NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

LEGEND

AREA RESERVED FOR PROPOSED CAR PARK

REFERENCE:

O	23/08/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
N	09/04/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
M	06/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
L	25/05/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
K	02/04/20	ISSUE FOR CONSTRUCTION	JW	LYCM	CLSY
J	25/03/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
I	26/02/20	ISSUE FOR CONSTRUCTION	JW	CW	CLSY
H	13/01/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
G	16/12/19	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
F	30/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
D	22/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
C	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
B	28/12/18	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	05/07/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

Rev.	Date	Description	Drawn	Prepared	Checked

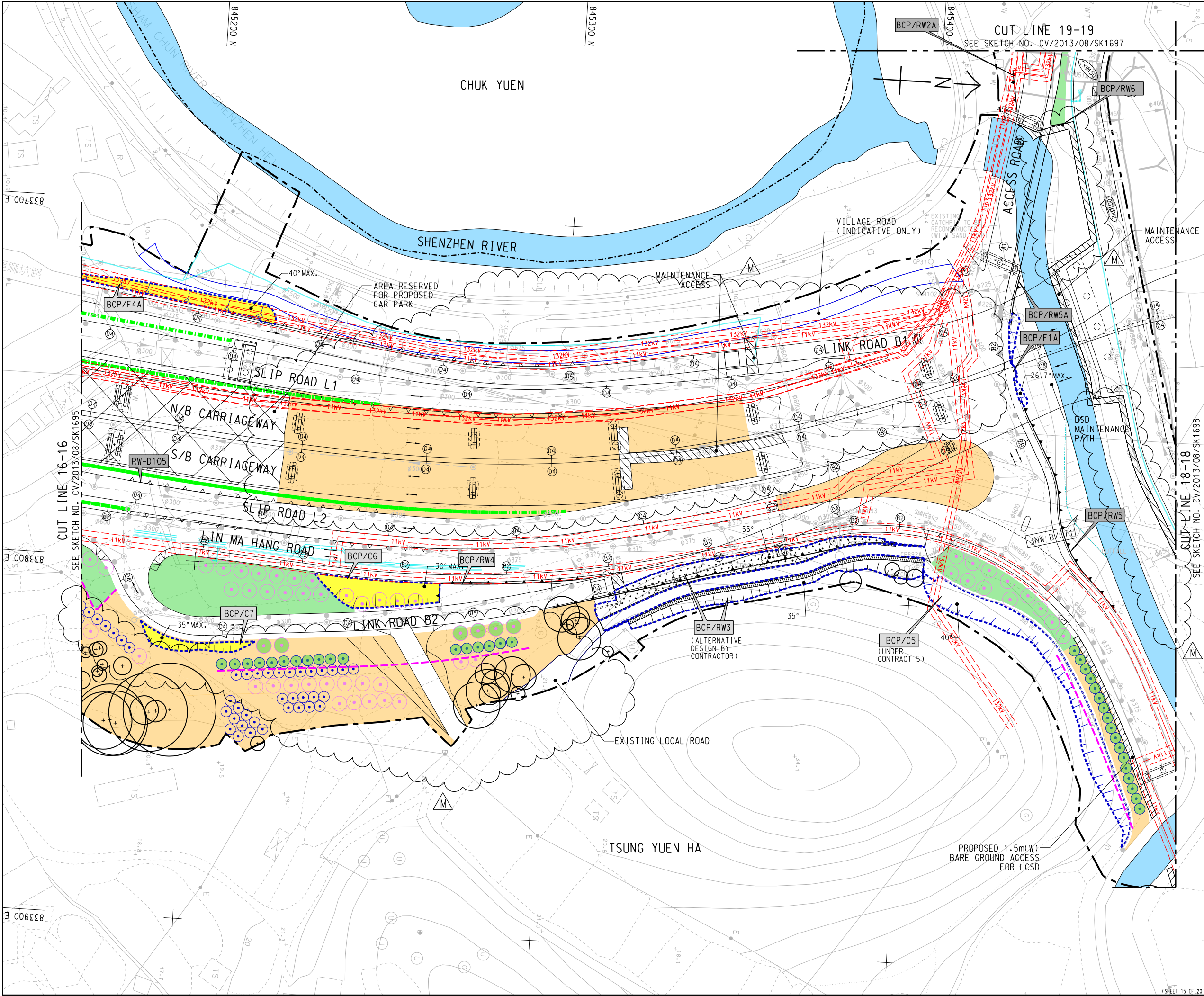
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK16950	SCALE 1:1000 (A3)
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23/8/2021 14:17:48



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

LEGEND

AREA RESERVED FOR PROPOSED CAR PARK

REFERENCE:

M	20/08/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
L	03/08/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
K	09/04/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
J	06/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
I	26/02/20	ISSUE FOR CONSTRUCTION	JW	LYCM	CLSY
H	16/12/19	ISSUE FOR CONSTRUCTION	LKK	LYCM	CLSY
G	30/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
F	26/07/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	26/06/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
D	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
C	19/02/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
B	06/12/18	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	05/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1696M	SCALE 1:1000 (A3)
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1. FOR NOTE AND LEGEND REFER TO SKETCH NO.
CV/2013/08/SK1682.

E	13/11/20	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
D	16/12/19	ISSUE FOR CONSTRUCTION	LKK	LYCM	CLSY
C	29/10/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	20/12/18	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	27/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

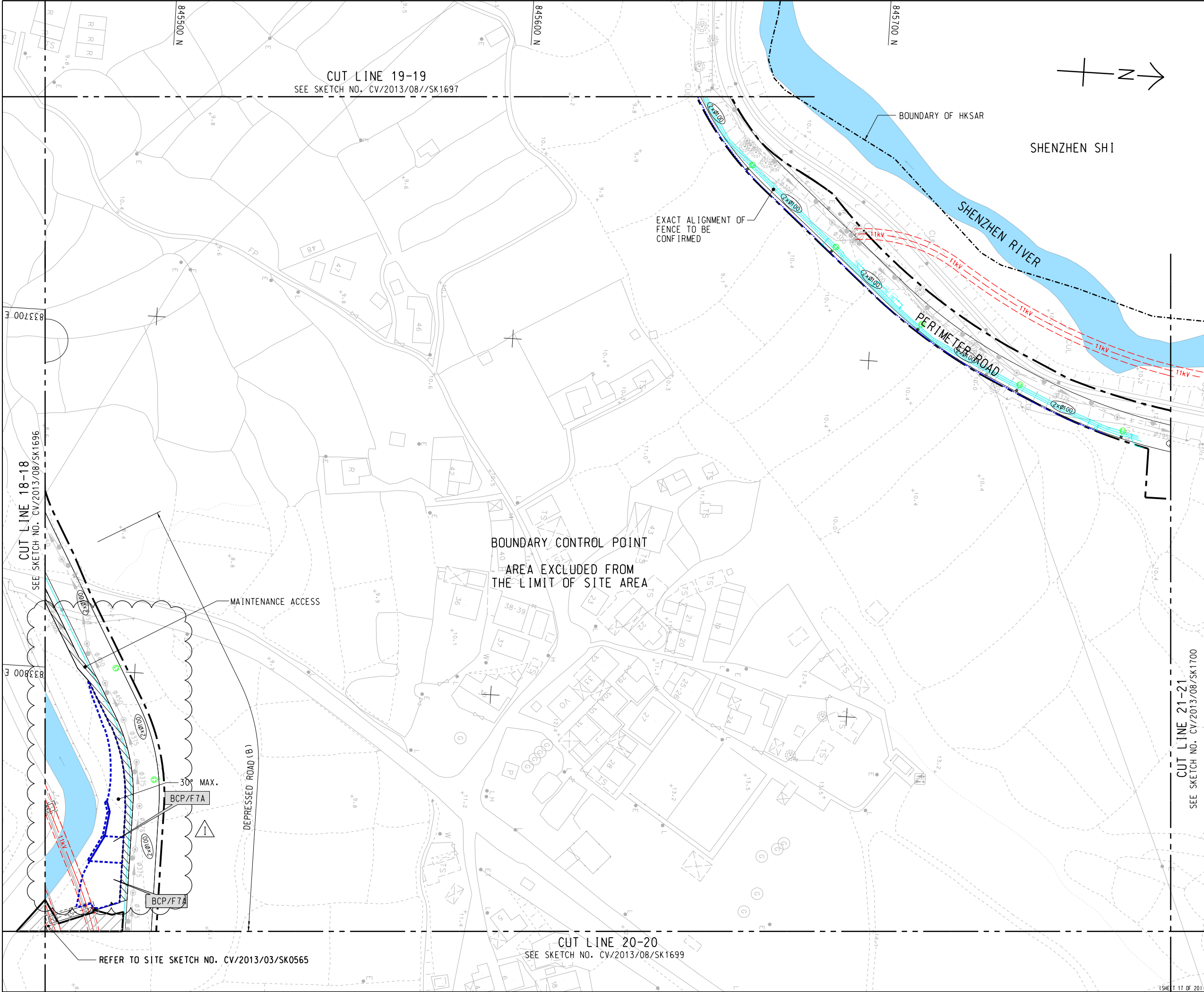
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

SKETCH NO.	CV/2013/08/SK1697E	SCALE 1:1000 (A3)
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8/11/2020 15:05:37

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NOTE:
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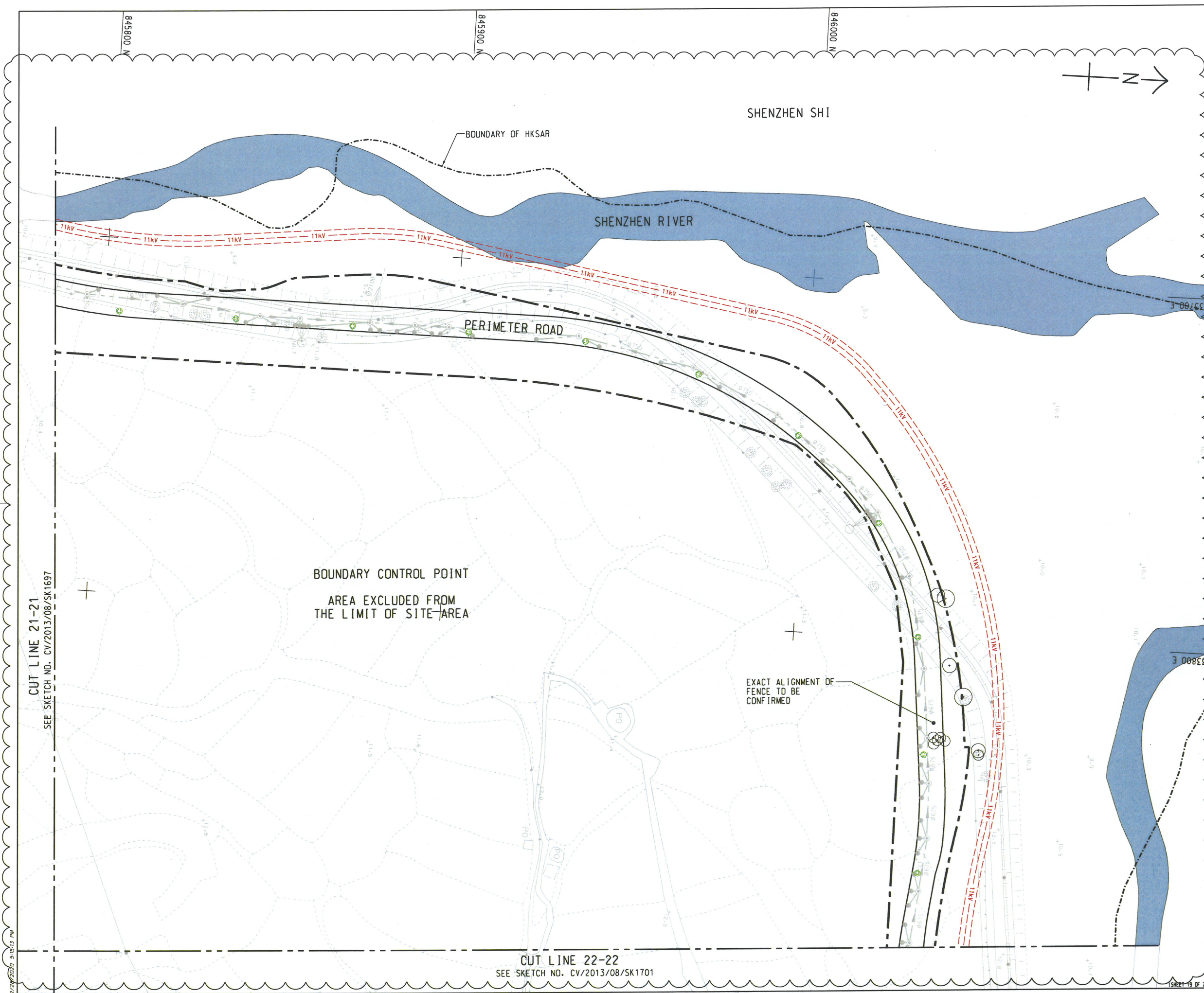
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F	16/12/19	ISSUE FOR CONSTRUCTION	LKK	LYCM	CLSY
E	07/11/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	07/03/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
C	20/12/18	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	27/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
A	29/11/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
 SITE FORMATION AND INFRASTRUCTURE WORKS -
 CONTRACT 6

TITLE: PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK16981 SCALE 1:1000 (A3)



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1682.

C

REFERENCE:

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A	27/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	21/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

Rev.	Date	Description	Drawn	Prepared	Checked
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AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARICATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/08/SK1700C

SCALE
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SEE SKETCH NO. CV/2013/08/SK1700

BOUNDARY CONTROL POINT
AREA EXCLUDED FROM
THE LIMIT OF SITE AREA

EXACT ALIGNMENT OF
FENCE TO BE
CONFIRMED

SHENZHEN SHI

NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO.
CV/2013/08/SK1582.

REFERENCE:

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A	06/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
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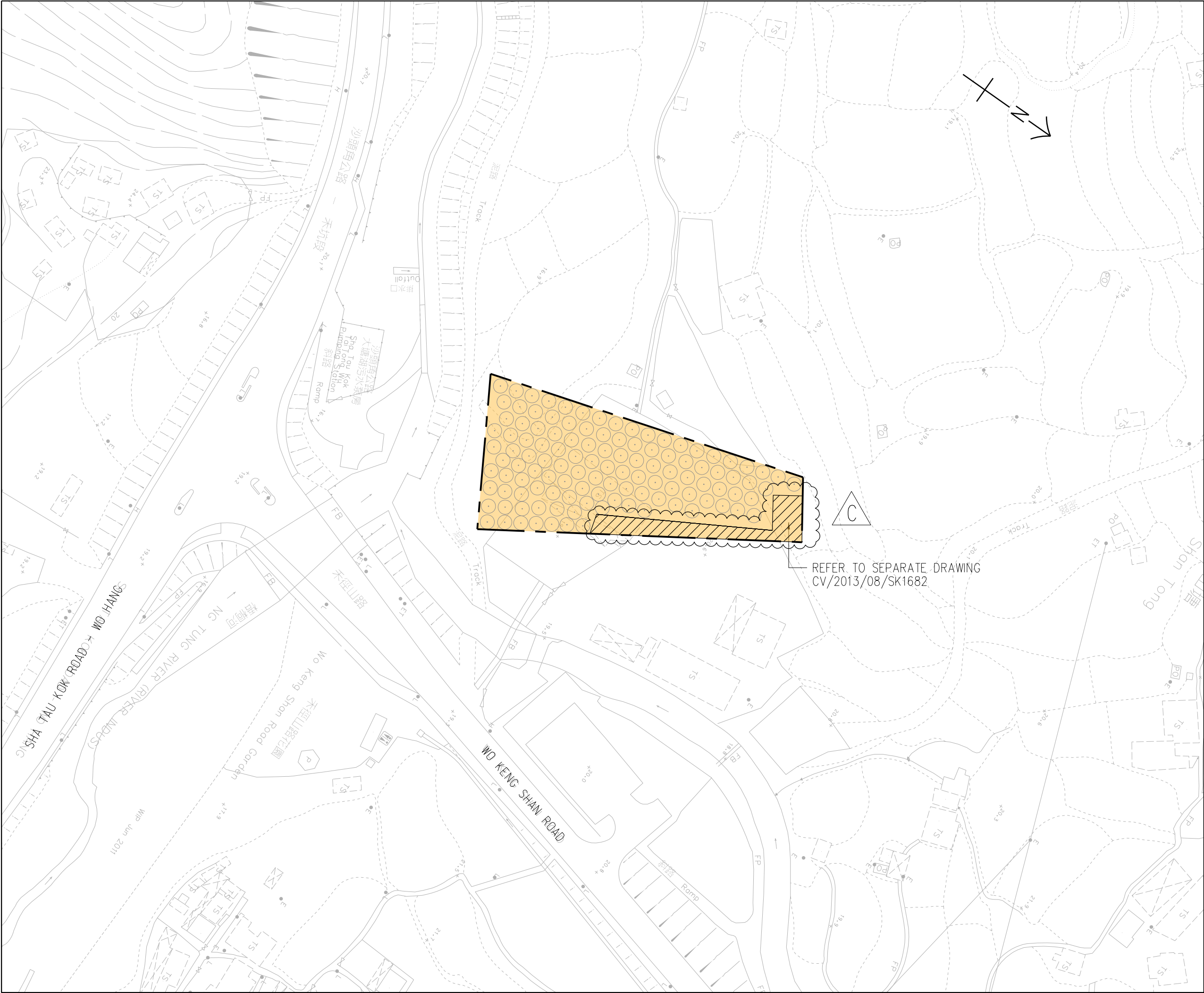
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: PROPOSED MAINTENANCE
DEMARCATION PLAN FOR
SOFT LANDSCAPE WORKS

201	SKETCH NO.	CV/2013/08/SK1701G
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SCALE
1:1000 (A3)

(SHEET 20 OF 20)



LEGEND:

- LANDSCAPE AREA TO BE MAINTAINED BY DLO/N
- PROPOSED TREE

REFER TO SEPARATE DRAWING
CV/2013/08/SK1682

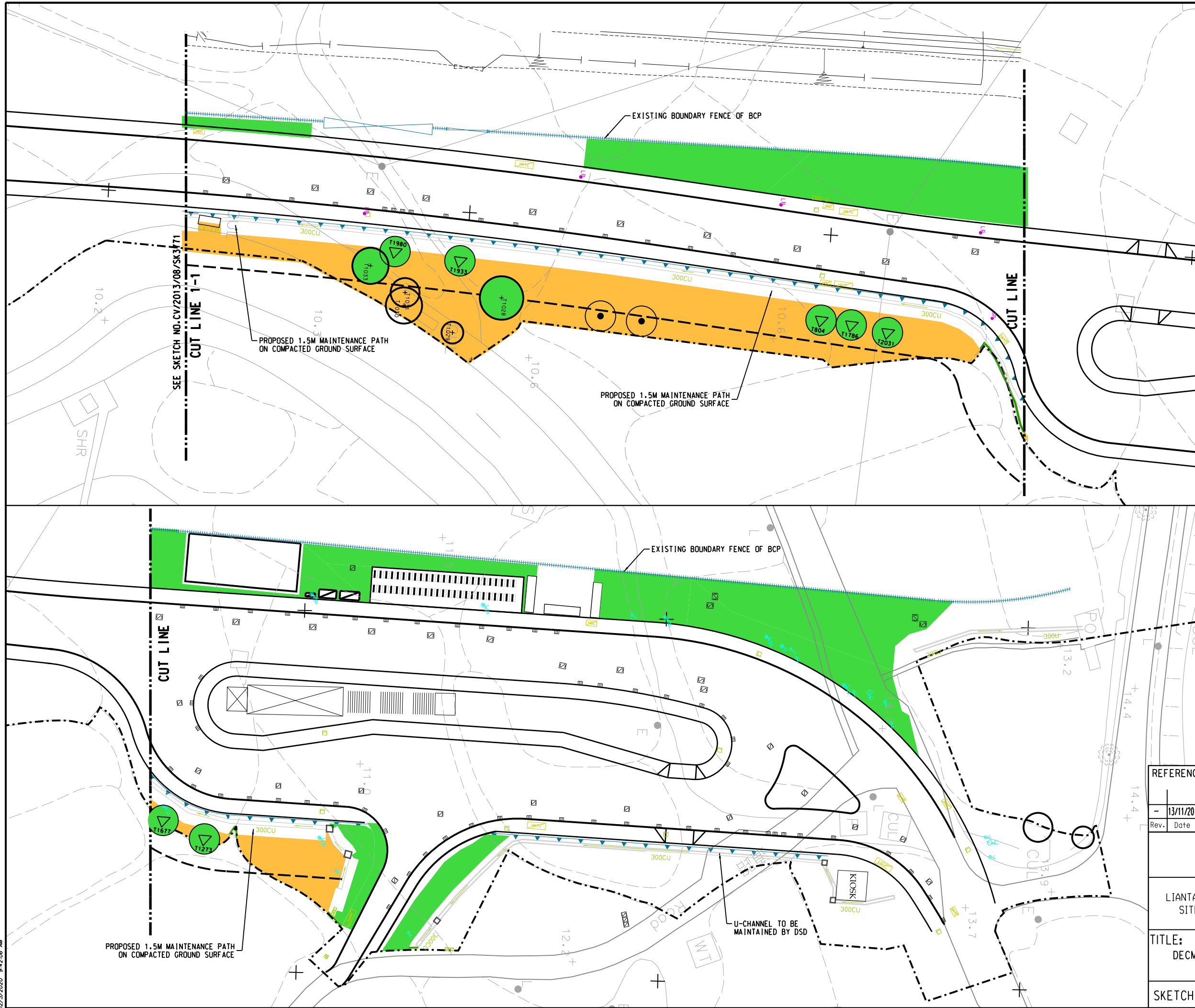
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-	28/08/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

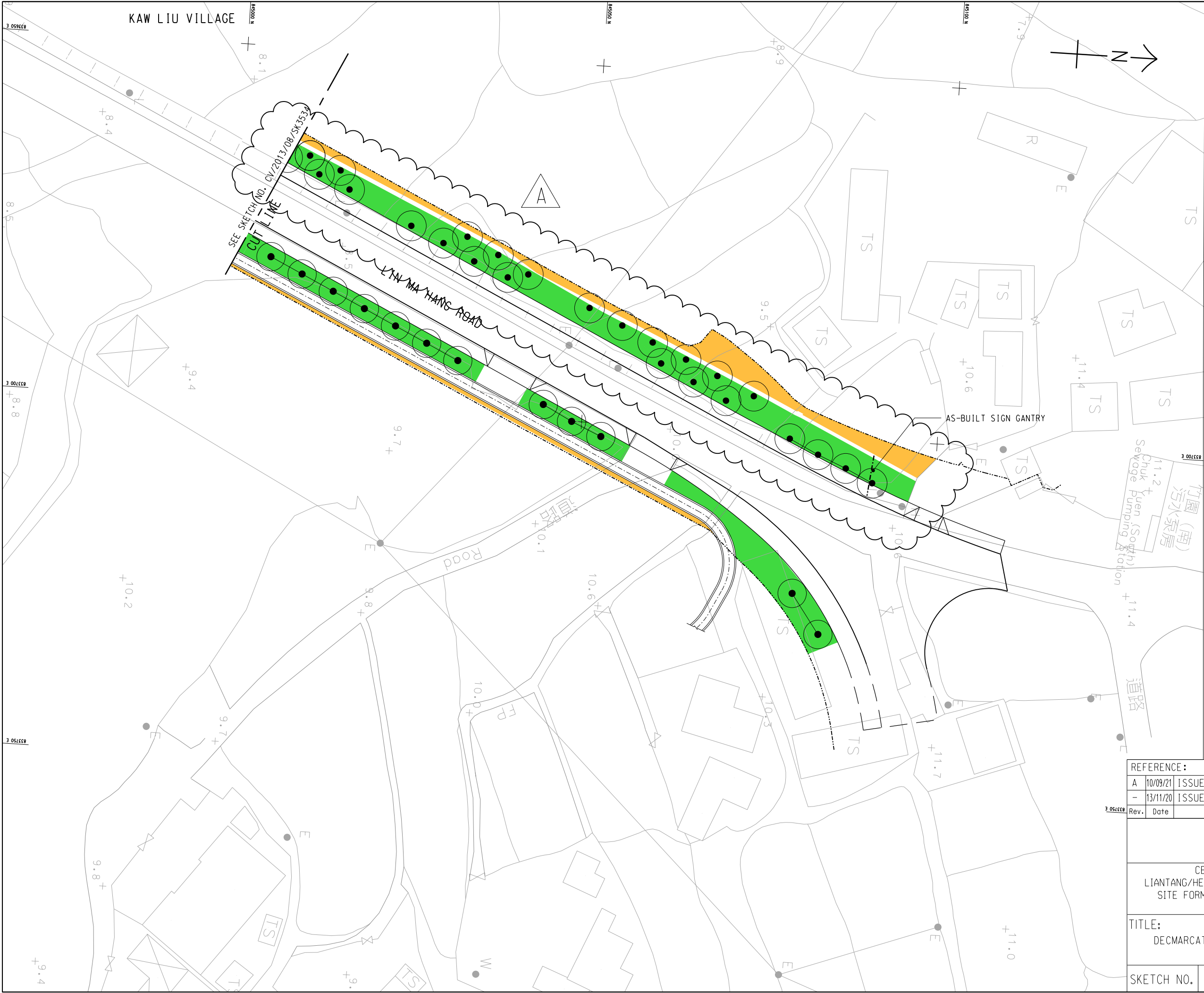
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PLAN FOR SOFT LANDSCAPE WORKS
- PORTION SA01

SKETCH NO.	CV/2013/08/SK1924C	SCALE 1 : 1000 (A3)
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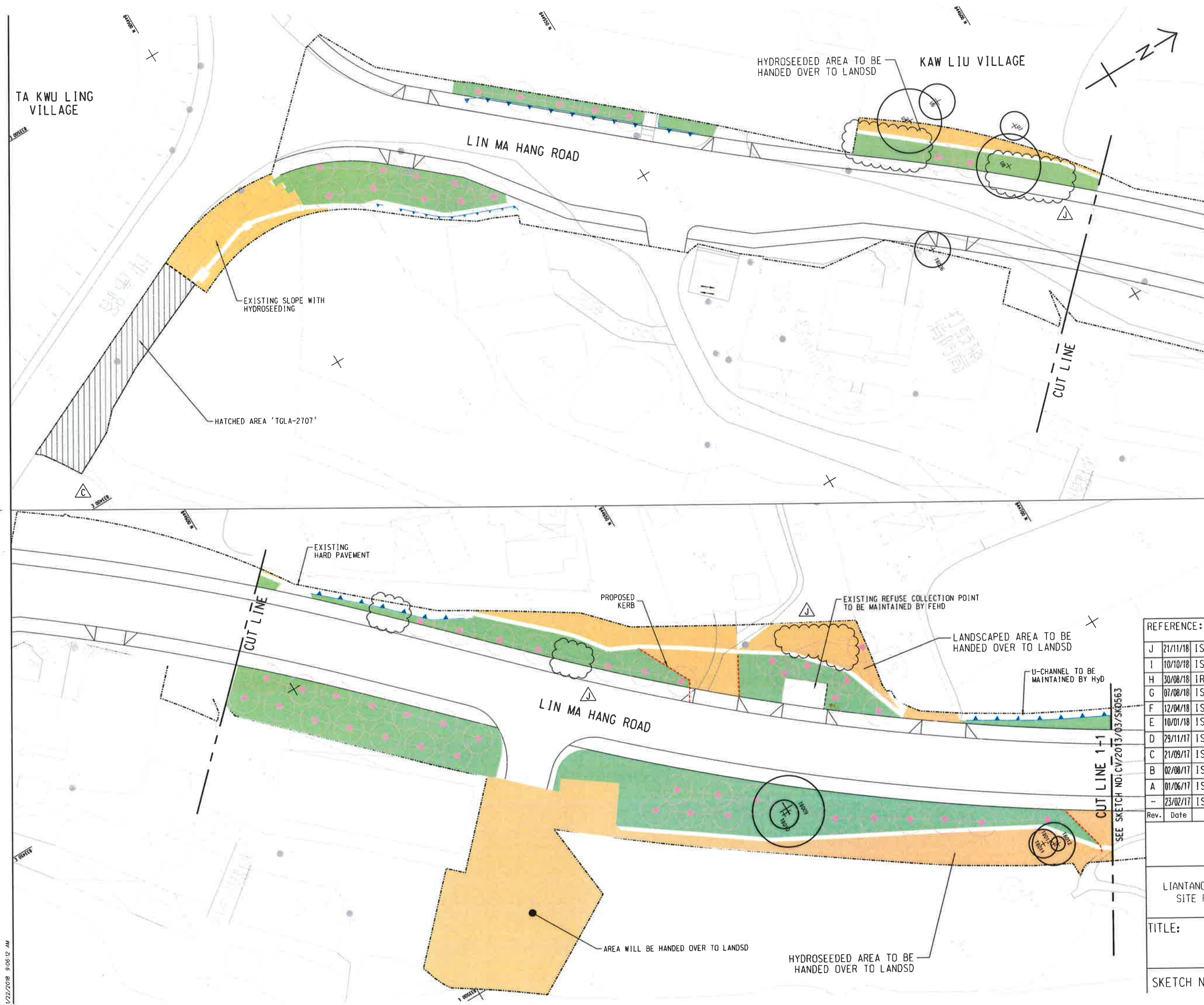


- NOTE:**
1. ACTUAL ALIGNMENT TO BE VERIFIED ON SITE.
- LEGEND:**
- SITE BOUNDARY
 - LANDSCAPED AREA TO BE MAINTAINED BY LCSD
 - AREA TO BE MAINTAINED BY LANDSD
 - AS-BUILT RETAINING WALL
 - RETAINED TREE
 - TRANSPLANTED TREE
 - COMPENSATORY TREE
 - SLOPE
 - DEMARCATION LINE (10m FROM THE ROAD KERB)

REFERENCE:					
-	13/11/20	ISSUE FOR CONSTRUCTION	HHL	CW	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS - LIN MA HANG ROAD					
SHEET 1 OF 3					
SKETCH NO.		CV/2013/08/SK3770			SCALE 1:500(A3)



REFERENCE:					
A	10/09/21	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
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Rev.	Date	Description	Drawn	Prepared	Checked
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SKETCH NO.		CV/2013/08/SK3772A			SCALE 1:500(A3)



NOTE:
1. ACTUAL ALIGNMENT TO BE VERIFIED ON SITE.

LEGEND:

- SITE BOUNDARY
- LANDSCAPED AREA TO BE MAINTAINED BY LCSD
- AREA TO BE MAINTAINED BY LANDSD
- AS-BUILT RETAINING WALL
- RETAINED TREE
- TRANSPLANTED TREE
- COMPENSATORY TREE
- SLOPE
- SUPPLY AND INSTALL E1 KERB (REFER TO HyD STANDARD DRAWING NO.H1118)
- SUPPLY AND INSTALL DWARF WALL (REFER TO HyD STANDARD DRAWING NO.H5104A-VERTICAL WALL)
- IRRIGATION PIPE FOR WATER POINT SYSTEM
- WATER POINT WITH WATER POINT NUMBER

REFERENCE:

J	21/11/18	ISSUE FOR CONSTRUCTION	HHL	CW	CLSY
I	10/10/18	ISSUE FOR CONSTRUCTION	HHL	CW	CLSY
H	30/08/18	IRRIGATION ADDED	HHL	CW	CLSY
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F	12/04/18	ISSUE FOR CONSTRUCTION	HHL	CW	CLSY
E	10/01/18	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
D	29/11/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
C	21/09/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
B	02/08/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
A	01/06/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
-	23/02/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS

Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO.CV/2013/03
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 5

TITLE: PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/03/SK0562J

SCALE 1:500(A3)

SHEET 1 OF 5



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C	21/09/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
B	02/08/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
A	01/06/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
-	31/05/17	ISSUE FOR CONSTRUCTION	HHL	CW	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

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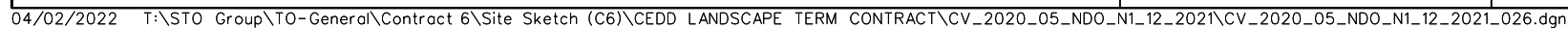
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 5

TITLE: PROPOSED MAINTENANCE
DEMARCATION PLAN FOR
SOFT LANDSCAPE WORKS

SKETCH NO. CV/2013/03/SK0563G

SHEET 2 OF 5
SCALE
1:500(A3)

G	21/11/18	IRRIGATION ADDED	HHL	CW	CLSY
F	14/08/18	IRRIGATION ADDED	HHL	CW	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked



DOCUMENT REFERENCE NO.	
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Appendix U - 2 Part 1

***Management and Maintenance Schedule
(Works NOT Pertinent to Operation of Tunnel Area)***

(total 7 pages)

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works

Appendix A - Management and Maintenance Schedule (Works NOT Pertinent to Operation of Tunnel Area)

Works Item	Management Authority (Note 1)	Maintenance Authority (Note 2)	Reference / Remarks
A. At-grade Road and Public Road System			Notes 3
(1) Public Road, carriageway and verge	TD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility. 3. In the reply letter dated 25 July 2017, TD/NTE had no comment to undertake the management responsibility but request for clearly indicating the name of TD sub-division responsible for this item.
(2) Public Footpath	TD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility. 3. In the reply letter dated 25 July 2017, TD/NTE had no comment to undertake the management responsibility but request for clearly indicating the name of TD sub-division responsible for this item.
(3) Traffic sign	TD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility. 3. In the reply letter dated 25 July 2017, TD/NTE had no comment to undertake the management responsibility but request for clearly indicating the name of TD sub-division responsible for this item.
(4) Road marking	TD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility. 3. In the reply letter dated 25 July 2017, TD/NTE had no comment to undertake the management responsibility but request for clearly indicating the name of TD sub-division responsible for this item.
(5) Street furniture			
(i) concrete profile barrier, beam barrier, pedestrian railing, bollard, kerb, edging, pavement, crash cushion barrier etc.	TD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility. 3. In the reply letter dated 25 July 2017, TD/NTE had no comment to undertake the management responsibility but request for clearly indicating the name of TD sub-division responsible for this item.
(ii) street name plate	HyD	HyD	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(6) Sign gantry	TD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility. 3. In the reply letter dated 25 July 2017, TD/NTE had no comment to undertake the management responsibility but request
(7) Traffic light signal and accessories	TD	TD to engage maintenance agent (which could be EMSTF)	1. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility. 2. In the reply letter dated 25 July 2017, TD/NTE had no comment to undertake the management responsibility but request for clearly indicating the name of TD sub-division responsible for this item.
(8) Traffic Bollard	TD	HyD	1. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility. 2. In the reply letter dated 25 July 2017, TD/NTE had no comment to undertake the management responsibility but request for clearly indicating the name of TD sub-division responsible for this item.
(9) Street lighting	HyD/Lighting	HyD/Lighting	HyD/Ltg has confirmed in their letter dated 7 August 2017 that they would take up the responsibilities.
(10) Street lighting draw pit and cable duct encased in concrete	HyD/Lighting	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. HyD/Ltg has confirmed in their letter dated 7 August 2017 that they would take up the management responsibility.
(11) Special lighting (including high-mast lighting and enclosure lighting)	Not used	Not used	-

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works

Appendix A - Management and Maintenance Schedule (Works NOT Pertinent to Operation of Tunnel Area)

Works Item	Management Authority (Note 1)	Maintenance Authority (Note 2)	Reference / Remarks
(12) Exclusive road drains (including gully, overflow weir and section of drain from gully to carrier drain)	HyD	HyD	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the management and maintenance responsibility.
(13) Public road drains and culvert	HyD / DSD	HyD / DSD	1. In the reply letter dated 4 July 2017, HyD/NT agreed to take up exclusive drains only and the demarcation should be determined according to DEVB TC(W) No. 2/2013.
(14) Noise barrier and semi-enclosure	HyD	HyD	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(15) Retaining wall and roadside man-made slope	HyD	HyD	In the reply letter dated 4 July 2017, HyD/NT stated that they maintain slopes/retaining walls affecting public roads only. Maintenance responsibility of registered slope features shall be allocated by SIMAR Unit and LandsD according to DEVB TC(W) No. 6/2011.
(16) Natural terrain mitigation measure including boulder fence, check dam and associated works	HyD	HyD	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(17) Boundary Wall and Security Fence at Tunnel Approaches	Not used	Not used	-
(18) Pedestrian subway			-
(i) Subway structures, finishes, claddings	HyD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(ii) Signs	TD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. In the reply email dated 21 July 2017, TD/NTW had no comment to undertake the management responsibility.
(iii) Lighting, ventilation fans, pumping equipment	HyD	The agent entrusted by the maintenance agent (which could be EMSTF)	1. EMSD stated via their letter dated 21 June 2017 that it is suggested to mark as "The agent entrusted by the maintenance agent (which could be EMSTF)".
(iv) Lifts	HyD	The agent entrusted by the maintenance agent (which could be EMSTF)	1. EMSD stated via their letter dated 21 June 2017 that it is suggested to mark as "The agent entrusted by the maintenance agent (which could be EMSTF)".
(v) Cleaning	HyD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(vi) CCTV	HyD	The agent entrusted by the maintenance agent (which could be EMSTF)	1. EMSD stated via their letter dated 21 June 2017 that it is suggested to mark as "The agent entrusted by the maintenance agent (which could be EMSTF)".
(vii) Fenced-off area and fence at emergency exit	HyD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(viii) Alarms	HyD	The agent entrusted by the maintenance agent (which could be EMSTF)	1. EMSD stated via their letter dated 21 June 2017 that it is suggested to mark as "The agent entrusted by the maintenance agent (which could be EMSTF)".

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works

Appendix A - Management and Maintenance Schedule (Works NOT Pertinent to Operation of Tunnel Area)

Works Item	Management Authority (Note 1)	Maintenance Authority (Note 2)	Reference / Remarks
(ix) Gates	HyD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(x) Fire shutter and associated detectors and alarms	Not used	Not used	-
(19) Reprovisioned / Reinstated existing village tracks / accesses	LandsD	HAD	1. HAD/TPO replied via their email dated 10 July 2017 that the maintenance responsibility of any village track/access should be discussed on a case by case basis. 2. In the reply letter dated 21 August 2017, DLO confirmed to take up the management responsibility for the Unleased Government Land.
(20) Public paved area under viaducts (can serve as HyD's maintenance access for the viaduct substructures and superstructures)	HyD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(21) TCSS outside Tunnel Area	TD	TD	
B. Viaducts			Note 3
(1) Bridge structure (including structural accessories and components, parapet, finishes and drain)	HyD	HyD	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(2) Noise barrier and semi-enclosure	No Management Authority	HyD	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(3) E&M systems	HyD	HyD	The system refers to the bridge deck internal lighting, sockets and cables, which shall be managed and maintained by HyD.
C. Drainage and Sewerage			
(1) Drainage system on man-made slope and retaining wall affecting public road	HyD	HyD	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(2) Exclusive road drains including gully pits/sumps, gully connection pipes and carrier drains	HyD	HyD	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
(3) Drainage system other than F(1)&(2)	DSD/MN	DSD/MN	In the reply letter dated 1 June 2017, DSD/MN confirmed to undertake the maintenance responsibility.
(4) Sewerage system other than F(1)&(2)	DSD/MN	DSD/MN	In the reply letter dated 1 June 2017, DSD/MN confirmed to undertake the maintenance responsibility.
(5) Sewer rising mains and pumping station (constructed under other project and to be upgraded under this project) from Chuk Yuen Village Resite to Sewage Treatment Plant in BCP	DSD/ST1	DSD/ST1	1. In the reply letters dated 1 June 2017 and 5 June 2017, DSD/MN advised that DSD/ST1 should undertake the maintenance responsibility. 2. In the reply letter dated 2 June 2017, DSD/ST1 had no comment to undertake the maintenance responsibility.

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works

Appendix A - Management and Maintenance Schedule (Works NOT Pertinent to Operation of Tunnel Area)

Works Item	Management Authority (Note 1)	Maintenance Authority (Note 2)	Reference / Remarks
D. Water			
(1) Water main, fire hydrant and associated pipes and water meter box along viaducts	WSD	WSD	1. In the reply letter dated 26 May 2017, WSD/NTE stated that Water Supplies Department will not take over maintenance responsibility of water mains, fire hydrants and water meter box along viaducts and within tunnel areas. 2. In the meeting held on 16 October 2017, WSD would agree to take up the maintenance responsibility for pier-mount water mains up to the fire hydrant heads on viaducts provided that HyD/NT would provide necessary construction plant and access and TD would implement TTA to facilitate WSD's routine maintenance works. 2. TD advised they would not provide such TTA; 3. HyD/NT agreed to provide access / platform to facilitate WSD's works.
(2) NOT USED			-
(3) Water main and associated pipes and other waterworks on at-grade roads and footpath	WSD	WSD	1. In the reply letter dated 26 May 2017, WSD/NTE had no comment to take over maintenance responsibility for waterworks on at-grade roads and footpath.
(4) Fire hydrant and associated pipes on at-grade roads and footpath	WSD	WSD	1. In the reply letter dated 26 May 2017, WSD/NTE had no comment to take over maintenance responsibility for waterworks on at-grade roads and footpath.
(5) Water point, irrigation system, water meter box for soft landscape on at-grade roads or beside footpath.	LCSD	LCSD to engage maintenance agent (which could be EMSTF)	1. In the reply letter dated 22 June 2017, LCSD/NTE had no comment to undertake the maintenance responsibility.
(6) Water meter (excluding water meter box)	WSD	WSD	WSD/NTE confirmed via their email dated 21 July 2017 that water meter is maintained by Water Authority.
(7) Planting along footpath within village environment and the access road as maintained by HAD	HAD	HAD	
E. Landscape			
(1) Soft landscape on viaduct and along noise barrier	HyD/LU	HyD/LU	
(2) Hard landscape on viaduct	HyD	HyD	1. In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility. 2. HyD/NT agreed to take up the maintenance responsibility in the meeting held on 5 September 2017 (Item 2.3.5 refers).
(3) Soft landscape on man-made slopes for which HyD is responsible for engineering maintenance	HyD/LU	HyD/LU	
(4) Soft landscape within 10m from kerb of public road	No Management Authority	LCSD	In the reply letters dated 22 June and 17 July 2017, LCSD had no comment to undertake the maintenance responsibility.
(5) Landscape softworks not under the purview of HyD, LCSD, AFCD and TD (excluding landscape softworks in BCP area)	LandsD	LandsD	In the reply letter dated 21 August 2017, LandsD refused to take up the maintenance responsibility.

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works

Appendix A - Management and Maintenance Schedule (Works NOT Pertinent to Operation of Tunnel Area)

Works Item	Management Authority (Note 1)	Maintenance Authority (Note 2)	Reference / Remarks
F. Boundary Control Point			
(1) Sewage treatment plant including transformer room, management office, workshop and access road.	DSD/ST1	DSD/ST1	1. In the reply letter dated 2 June 2017, DSD/ST1 had no comment to undertake the maintenance responsibility.
(2) Reclaimed water facilities including chlorine disinfection system and reuse water pumping system	DSD	DSD	DSD/ST1 stated in their reply letter dated 2 June 2017 stated that DSD is not the authority to produce and supply the reclaimed water and also not in a position to take up the ownership, management and O&M responsibilities of the reclaimed water facilities for the Boundary Control Point.
(3) CLP substation for BCP (to be constructed by CLP)	CLP	CLP	
(4) Stormwater drainage system (in perimeter road and beyond terminal manholes of individual user buildings), excluding exclusive road drains	DSD	DSD	
(5) Exclusive road drainage system (including the E&M and building services works for the pumping facilities)	FMO	ArchSD	
(6) Sewerage system (in perimeter road and beyond terminal manholes of individual user buildings)	DSD	DSD	
(7) Telecommunication underground cable ducts and 11kV electricity cable ducsts (in perimeter road) (laid by ArchSD)	FMO	To be appointed by BMC	
(8) Roadside lighting for perimeter road (E&M works)	FMO	EMSD	
(9) Roadside lighting for perimeter road (hardware works, e.g. cable ducts, drawpits, lamp poles, pillar box enclosure, etc.)	FMO	ArchSD	
(10) Lighting for traffic signs	FMO	EMSD	
(11) Fresh water pipes, flushing water pipes, and fire services water pipes, and street fire hydrants	FMO	ArchSD	
(12) Master meter room (including the structures, finishes, and building services therein) for fresh water pipes, flushing water pipes, and fire services water pipes	FMO	ArchSD	
(13) Underpass and depressed road (including underpass and depressed road structures, pump room structures)	FMO	ArchSD	
(14) Pavement for carriageways, footpaths, and road verges	FMO	ArchSD	
(15) Street furniture	FMO	ArchSD	

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works

Appendix A - Management and Maintenance Schedule (Works NOT Pertinent to Operation of Tunnel Area)

Works Item	Management Authority (Note 1)	Maintenance Authority (Note 2)	Reference / Remarks
(16) Road side slopes and retaining structures (supporting road formation and may be located outside the BCP fences)	FMO	ArchSD	
(17) Traffic aids	FMO	ArchSD	
(18) General cleansing	FMO	FMO	
(19) BCP perimeter fences, gates, and associated security and control systems	FMO	ArchSD	
(20) Landscape works and irrigation system	FMO	FMO	
G. Reprovisioned Works Item			
(1) Reprovisioned LCSD Garden at Wo Keng Shan Road	LCSD	LCSD	In the reply letter dated 22 June 2017, LCSD/NTE agreed to undertake the maintenance responsibility.
(2) Reprovisioned Wo Keng Shan Public Toilet	FEHD	The maintenance agents of FEHD's venues	FEHD agreed via their email dated 4 July 2017 that FEHD would undertake the maintenance responsibility.
H. Woodland and Wetland Compensation			
(1) Woodland compensation	AFCD	AFCD	EPD approved Woodland Compensation Plan Rev-1 on 12 Oct 2015, in which AFCD agreed to take up the maintenance of Woodland Compensation Area (WCA). DLOs approved tree removal plan on 8 Aug 2013 and 21Oct2013, in which AFCD agreed to take up the maintenance of Woodland Compensation Area (WCA).
(2) Wetland compensation	AFCD	AFCD	EPD approved Wetland Compensation Plan Rev-2 on 26 Nov 2015, in which AFCD would take up the maintenance and monitoring
(i) NOT USED	Not used	Not used	-
(ii) Pond, water proofing, pipeworks & weirs	LandsD	LandsD	In the reply letter dated 21 August 2017, LandsD refused to undertake the maintenance responsibility.
(iii) Fences	LandsD	LandsD	In the reply letter dated 21 August 2017, LandsD refused to undertake the maintenance responsibility.
(iv) Embankments and access	LandsD	LandsD	In the reply letter dated 21 August 2017, LandsD agreed to take up the Management Agent role and refused to take up the maintenance responsibility.
(v) Cleaning	LandsD	LandsD	In the reply letter dated 21 August 2017, LandsD refused to undertake the maintenance responsibility.
I. Pavilion			
(1) Pavilions near Nam Wah Po and Loi Tung	HAD	HAD	1. In the reply letter dated 2 June 2017, HAD/NDO agreed to undertake the maintenance responsibility of Pavilion near Loi Tung. 2. In the reply letter dated 7 August 2015, HAD/TPO agreed to undertake the maintenance responsibility for pavilion near Nam Wah Po.

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works

Appendix A - Management and Maintenance Schedule (Works NOT Pertinent to Operation of Tunnel Area)

Works Item	Management Authority (Note 1)	Maintenance Authority (Note 2)	Reference / Remarks
J. Land			
(1) Unallocated government land	LandsD	No Maintenance Authority	1. In the reply letter dated 21 July 2017, DLO/TPO agreed to undertake the maintenance responsibility of of the unallocated Government Land without structure. 2. In the reply letter dated 21 August 2017, DLO/North refused to undertake the maintenance responsibility on unleased Government land.

NOTES

- Note 1: "Management Department" means the "owner" department having the ultimate responsibility to administer and oversee the quality, operation and effectiveness of the element in questions, whether through its internal organization or by means of an outside agency. The term "Management" for Management Department is related to the context of maintenance of works element only.
- Note 2: "Maintenance Department" means the department carrying out the day-to-day works necessary for keeping the element in questions in a safe and desirable condition, being either part of the Management Department or its appointed agent.
- Note 3: The extent of Tunnel Area and Boundary Control Point are shown in Drawing Nos. 60212563/A22/000 to 018.

Abbreviation:

- AFCD - Agriculture, Fisheries and Conservation Department
- ArchSD - Architectural Services Department
- BMC - Building Management Committee
- FMO - Facilities Management Office under Direction of BMC
- CLP - CLP Power Hong Kong Limited
- DSD - Drainage Services Department
- DSD/MN - Drainage Services Department Mainland North Division
- DSD/ST1 - Drainage Services Department Sewage Treatment Division 1
- EMSD - Electrical and Mechanical Services Department
- EMSTF - Electrical and Mechanical Services Trading Fund

Appendix U - 2 Part 2

***Management and Maintenance Schedule
(Works Pertinent to Operation of Tunnel Area)***

(total 8 pages)

Abbreviations for Gov't Depts / Relevant Parties:

ArchSD	Architectural Services Department	HyD	Highways Department	CLP	CLP Power Hong Kong Limited
CEDD	Civil Engineering and Development Department	HyD/Ltg	Lighting Division of HyD	TD MOm	Transport Department Management, Operation
DSD	Drainage Services Department	HyD/LU	Landscape Unit of HyD	Operator	and Maintenance Operator
EMSD	Electrical & Mechanical Services Department	HyD/NT	NT Region of HyD		
FSD	Fire Services Department	LandsD	Lands Department		
HKPF	Hong Kong Police Force	LCSD	Leisure and Cultural Services Department		
		TD	Transport Department		
		WSD	Water Supply Department		

Item	Works Description	Maintenance Authority	Maintenance Agent	Status (C = Confirmed P = Pending U = Unresolved)	Remarks
1	Road Tunnels (2 nos.)				
1.01	Tunnel structures (including the cross passages structures and mid-ventilation adit structures)	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.02	Road pavements and road formation	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.03	Road markings and static traffic signs	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.04	Supports for static traffic signs	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.05	Tunnel claddings and associated supports (excluding cleansing of claddings)	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.06	Roadside trough structures and covers	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.07	CLP's 132kV cables and cable protections	CLP	CLP	C	-
1.08	Telecom cables (including cable brackets, cable containment, antennas and supporting brackets/frames) for mobile networks	Mobile networks operators	Mobile networks operators	C	-
1.09	Man made slopes, retaining structures, and natural terrain mitigation measures at tunnel portals and adjacent to portal ventilation buildings	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.10	Landscape softworks for slopes and retaining structures at tunnel portals and adjacent to portal ventilation buildings	HyD/LU	HyD/LU	U	Provision of maintenance access, hard shoulder with sufficient space for parking maintenance vehicles and approved TTA proposal for particular location are being reviewed.
1.11	Exclusive road drains	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.12	Lighting, sockets and associated wirings for overhead ventilation ducts	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
1.13	Cleansing of road surfaces and tunnel claddings	TD	TD MOm Operator	C	TD/IMPS confirmed to undertake the maintenance responsibility via their reply email dated 3 July 2017.
2	Tunnel Ventilation Buildings (5 nos.) (unmanned)				
2.01	Building structures	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.02	Internal finishes	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.03	External finishes and claddings	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.04	Building fitting out, external and internal doors, gates, windows, louvres, locks, parapets, etc.	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.05	Toilet facilities	HyD/NT	HyD/NT	U	HyD/NT, TD and ArchSD had refused to take up the maintenance responsibility for this item. Meeting (TD/HyD(NT)) held on 5 September 2017 and ArchSD's email reply dated 29 September 2017 referred.
2.06	Electrical systems for buildings	TD	TD MOm operator	C	TD/IMPS confirmed via their email dated 9 May 2017 that TD would be the maintenance authority and and TD MOm operator would be the maintenance agent for this item. TD will engage EMSTF for monitoring the performance of the MOm operator.

Agreement No. CE/38/2010 (CE)

(Ref: A22-03)

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works

Appendix B - Maintenance Responsibility Schedule (Works Pertinent to Operation of Tunnel Area)

Abbreviations for Gov't Depts / Relevant Parties:

ArchSD	Architectural Services Department	HyD	Highways Department	CLP	CLP Power Hong Kong Limited
CEDD	Civil Engineering and Development Department	HyD/Ltg	Lighting Division of HyD	TD MOm	Transport Department Management, Operation
DSD	Drainage Services Department	HyD/LU	Landscape Unit of HyD	Operator	and Maintenance Operator
EMSD	Electrical & Mechanical Services Department	HyD/NT	NT Region of HyD		
FSD	Fire Services Department	LandsD	Lands Department		
HKPF	Hong Kong Police Force	LCSD	Leisure and Cultural Services Department		
		TD	Transport Department		
		WSD	Water Supply Department		

Item	Works Description	Maintenance Authority	Maintenance Agent	Status (C = Confirmed P = Pending U = Unresolved)	Remarks
2.07	Plumbing systems for buildings (potable, flushing, irrigation and cleansing)	HyD/NT	HyD/NT	U	HyD/NT, TD and ArchSD had refused to take up the maintenance responsibility for this item. Meeting (TD/HyD(NT)) held on 5 September 2017 and ArchSD's email reply dated 29 September 2017 referred.
2.08	Fire services for buildings	TD	TD MOm operator	C	TD/IMPS confirmed via their email dated 9 May 2017 that TD would be the maintenance authority and and TD MOm operator would be the maintenance agent for this item. TD will engage EMSTF for monitoring the performance of the MOm operator.
2.09	Drainage for buildings	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.10	Sewerage system for buildings	HyD/NT / TD	HyD/NT / TD MOm	C	In the meeting held on 5 September 2017 (Item 2.2.3 refers), HyD/NT agreed to take up the maintenance responsibility for the sewers (above/underground), the rising main and the structure of the sewage holding tanks and pump pit. TD agreed to take up the responsibility of regular cleansing of the sewage holding tanks; TD and EMSD also agreed to take up the maintenance responsibility of the E&M part of the pumping system at B2 of mid-ventilation Building.
2.11	Boundary walls, boundary fences, and gates for mid-Ventilation Building external compounds	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.12	Road pavements and road formation at mid-Ventilation Building external compounds	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.13	Non-paved areas at mid-Ventilation Building external compounds	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.14	Road markings, traffic signs, and other road furniture at mid-Ventilation Building external compounds	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.15	Security systems for all buildings and mid-Ventilation Building external compounds	TD	TD MOm operator	C	TD/IMPS confirmed via their email dated 7 July 2017 that TD would be the maintenance authority and and TD MOm operator would be the maintenance agent for this item.
2.16	Display boards and signs at all building exteriors, mid-Ventilation Building's boundary fences and gates	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
2.17	External lighting for mid-Ventilation Building external compound	TD	TD MOm operator	U	
2.18	Existing man-made slopes, retaining structures and natural terrain mitigation measures adjacent to mid-Ventilation Building	N/A	N/A	-	DLO confirmed via their reply letter dated 21 August 2017 that for the Unleased Government Land, DLO would take up the management responsibility. However, DLO would not take up the maintenance responsibility of the Unleased Government Land because Lands Department is not a Works Department.
2.19	Landscape works on and attached to all buidings including green roof and associated irrigation sysems.	HyD/NT / TD	HyD/NT / TD MOm	U	HyD/NT and TD had refused to take up the maintenance responsibility for this item. Meeting (TD/HyD(NT)) held on 5 September 2017 referred.
2.20	Landscape works at mid-Ventilation Building external compound and associated irrigation sysems	HyD/NT / TD	HyD/NT / TD MOm	U	HyD/NT and TD had refused to take up the maintenance responsibility for this item. Meeting (TD/HyD(NT)) held on 5 September 2017 referred.
2.21	Cleansing of all buildings and compound areas including mid-Ventilation Building's external compound	TD	TD MOm operator	C	TD/IMPS confirmed via their email dated 9 May 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent.
2.22	Lift installation	TD	TD MOm operator	C	TD /IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
2.23	Tunnel Ventilation System	TD	TD MOm operator	C	TD /IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
2.24	Ventilation system and air-conditioning	TD	TD MOm operator	C	TD/IMPS confirmed via their email dated 17 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
2.25	Pressurized drainage system at North Portal of Lung Shan Tunnel and roads	HyD/NT / TD	HyD/NT / TD MOm	C	HyD/NT and TD agreed in the meeting held on 5 September 2017 (Item 2.2.7 refers) to take up the maintenance responsibility for this item.
3	Administration Building				
3.01	Building structures (including Fuel Attendant Office)	ArchSD	ArchSD	C	ArchSD confirmed in the meeting held on 16 Oct 2015 (Item 3.3.1 refers) that they had no objection to take up the maintenance responsibility.

Liantang / Heung Yuen Wai Boundary Control Point and associated works - site formation and infrastructure works
Appendix B - Maintenance Responsibility Schedule (Works Pertinent to Operation of Tunnel Area)

Abbreviations for Gov't Depts / Relevant Parties:

ArchSD Architectural Services Department
CEDD Civil Engineering and Development Department
DSD Drainage Services Department
EMSD Electrical & Mechanical Services Department
FSD Fire Services Department
HKPF Hong Kong Police Force

HyD Highways Department
HyD/Ltg Lighting Division of HyD
HyD/LU Landscape Unit of HyD
HyD/NT NT Region of HyD
LandsD Lands Department
LCSD Leisure and Cultural Services Department
TD Transport Department
WSD Water Supply Department

CLP CLP Power Hong Kong Limited
TD MOm Transport Department Management, Operation
Operator and Maintenance Operator

Item	Works Description	Maintenance Authority	Maintenance Agent	Status (C = Confirmed P = Pending U = Unresolved)	Remarks
3.02	Internal finishes, including false ceilings, floorings, etc.	ArchSD	ArchSD	C	ArchSD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.1 refers) that they agreed to take up the maintenance responsibility for this item.
3.03	External finishes and claddings	ArchSD	ArchSD	C	ArchSD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.2 refers) that they agreed to take up the maintenance responsibility for this item.
3.04	Building fitting out, external and internal doors, gates, windows, louvres, locks, parapets, toilet facilities, etc.	ArchSD	ArchSD	C	ArchSD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.3 refers) that they agreed to take up the maintenance responsibility for this item; 2. This item was agreed to be combined with Item 3.05 in the meeting held on 1 Aug 2017.
3.05	Toilet facilities	-	-	NOT USED	It was agreed in the meeting held on 1 August 2017 that the nature of this item is similar to Item 3.04 and that this item would be grouped with Item 3.04.
3.06	Ventilation system and air-conditioning	TD	TD MOm operator	C	TD/IMPS confirmed via their reply email dated 9 May 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
3.07	Electricity systems	TD	TD MOm operator	C	TD/IMPS confirmed via their reply email dated 9 May 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
3.08	Plumbing systems (potable and flushing)	ArchSD	ArchSD	C	ArchSD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.5 refers) that they agreed to take up the maintenance responsibility for this item.
3.09	Fire services	TD	TD MOm operator	C	TD/IMPS confirmed via their reply email dated 9 May 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
3.10	Drainage system (Internal & External)	ArchSD	ArchSD	C	ArchSD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.6 refers) that they agreed to take up the maintenance responsibility for this item.
3.11	Sewerage system within compound	TD & ArchSD	TD MOm operator & ArchSD	C	1. ArchSD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.7 refers) that they agreed to take up the maintenance responsibility for gravity sewer, rising main and pump pit structure within lot boundary. 2. TD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.7 refers) that they agreed to take up the maintenance responsibility for E&M parts of the system.
3.12	Boundary walls for external compound	ArchSD	ArchSD	C	ArchSD confirmed in the meeting held on 16 Oct 2015 (Item 3.3.1 refers) that they had no objection to take up the maintenance responsibility.
3.13	Paved area and road formation (including car park and training ground) at external compound	ArchSD	ArchSD	C	1. ArchSD confirmed in the meeting held on 16 Oct 2015 (Item 3.3.1 refers) that they had no objection to take up the maintenance responsibility; 2. This item was agreed to be combined with Item 3.14 in the meeting held on 1 Aug 2017.
3.14	Paved areas at external compound including car park and training ground	-	-	NOT USED	It was agreed in the meeting held on 1 August 2017 that the nature of this item is similar to Item 3.13 and that this item would be grouped with Item 3.13.
3.15	Road furnitures (e.g. road markings, signage, display boards etc.) at external compound	ArchSD	ArchSD	C	1. ArchSD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.8 refers) that they agreed to take up the maintenance responsibility for this item; 2. This item was agreed to be combined with Item 3.17 in the meeting held on 1 Aug 2017.
3.16	Security systems for building and external compound, including automatic security gates and drop gates	TD	TD MOm operator	C	TD confirmed in the reply email dated 9 May 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
3.17	Display boards and signs at building exteriors	-	-	NOT USED	It was agreed in the meeting held on 1 August 2017 that the nature of this item is similar to Item 3.15 and that this item would be grouped with Item 3.15.
3.18	External lighting for building and external compound	TD	TD MOm operator	C	TD/IMPS confirmed via their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
3.19	External carport cover structures including canopy	ArchSD	ArchSD	C	ArchSD confirmed in the meeting held on 1 Aug 2017 (Item 3.2.9 refers) that they agreed to take up the maintenance responsibility for this item.
3.20	Petrol filling facilities	TD	TD MOm operator	C	TD & EMSD confirmed in the meeting held on 5 September 2017 (Item 2.4.1 refers) that they would take up the maintenance responsibility. TD will engage EMSTF for monitoring the performance of the MOm operator.
3.21	Photovoltaic system	TD	TD MOm operator	C	1. TD/IMPS confirmed via their reply email dated 9 May 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
3.22	Solar hot water system	TD	TD MOm operator	C	1. EMSD has confirmed via their reply email dated 18 December 2017 that GMT(EMSD) will take up the monitoring role for the solar hot water system including the pumps and E&M accessories as maintained by MOM operator.
3.23	Landscape works on and attached to buildings and associated irrigation systems	ArchSD / TD	ArchSD / TD MOm Operator	U	1. For hard landscape, ArchSD agreed in the meeting held on 1 August 2017 (Item 3.2.11 refers) that they would take up the maintenance responsibility. 2) For soft landscape, ArchSD and TD had refused to take up the maintenance responsibility. 3) TD agreed in the meeting held on 5 September 2017 (Item 2.4.3 refers) that they would take up E&M parts of rainwater harvesting system.
3.24	Landscape works at external compound and associated irrigation systems	ArchSD / TD	ArchSD / TD MOm Operator	U	1. For hard landscape, ArchSD agreed in the meeting held on 1 August 2017 (Item 3.2.11 refers) that they would take up the maintenance responsibility. 2) For soft landscape, ArchSD and TD had refused to take up the maintenance responsibility.

Abbreviations for Gov't Depts / Relevant Parties:

ArchSD	Architectural Services Department	HyD	Highways Department	CLP	CLP Power Hong Kong Limited
CEDD	Civil Engineering and Development Department	HyD/Ltg	Lighting Division of HyD	TD MOm	Transport Department Management, Operation
DSD	Drainage Services Department	HyD/LU	Landscape Unit of HyD	Operator	and Maintenance Operator
EMSD	Electrical & Mechanical Services Department	HyD/NT	NT Region of HyD		
FSD	Fire Services Department	LandsD	Lands Department		
HKPF	Hong Kong Police Force	LCSD	Leisure and Cultural Services Department		
		TD	Transport Department		
		WSD	Water Supply Department		

Item	Works Description	Maintenance Authority	Maintenance Agent	Status (C = Confirmed P = Pending U = Unresolved)	Remarks
3.25	Cleansing for building and compound area	TD	TD MOm Operator	C	TD/IMPS confirmed in their reply email dated 7 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent.
3.26	Lift installation	TD	TD MOm Operator	C	TD/IMPS confirmed in their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
3.27	Electric vehicle charging system	TD	TD MOm Operator	C	TD/IMPS confirmed in their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
4	Tunnel E&M Installations for Tunnels				
4.01	Tunnel Ventilation System	TD	TD MOm operator	C	TD/IMPS confirmed in their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
4.02	Central Monitoring and Control System	TD	TD MOm operator	C	TD/IMPS confirmed in their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
4.03	Environmental Control System	TD	TD MOm operator	C	TD/IMPS confirmed in their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
4.04a	Drainage System (rising main, pumps and E&M cables) (excluding road drainage)	TD / HyD/NT	TD MOm operator / HyD/NT	C	1. For seepage water, HyD/NT agreed in the meeting held on 5 September 2017 (Item 2.3.1 refers) to take up the maintenance responsibility for pump pits and rising mains while TD agreed to take up the E&M parts and pumps. 2. For tunnel road water, HyD/NT confirmed via their letter dated 31 October 2017 that they agreed to take up the maintenance responsibility for the rising mains discharging tunnel road water into stormwater drainage system. DSD confirmed via their dated 7 December 2017 that they had no objection to discharge the tunnel road water into stormwater drainage system.
4.04b	Fire service water main to mid-Ventilation Building	TD	TD MOm operator	C	TD agreed in the meeting held on 16 October 2017 (Item 2.5 refers) that they would take up the maintenance responsibility.
4.05	Fire Services System	TD	TD MOm operator	C	TD/IMPS confirmed in their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
4.06	Lighting System and luminance meter (within tunnel tubes) including 11kv cables	TD	TD MOm operator	C	TD/IMPS confirmed in their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
4.07	Electrical System (within tunnel tubes) including 11kv cables	TD	TD MOm operator	C	TD/IMPS confirmed in their reply email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
5	Tunnel Portal Facilities				
5.01	Kiosk (structures, finishes, and associated services)	HyD/NT	HyD/NT	C	1. HyD/NT confirmed in the meeting held on 5 Sep 2017 (Item 2.3.3 refers) that they had no objection to take up themaintenance responsibility for this item. TD confirmed in the same meeting that TD MOm operator would maintain the air-conditioners and other associated E&M equipment.
5.02	Canopy structures for emergency vehicles	-	-	NOT USED	It was agreed in the meeting held on 1 August 2017 to delete this item.
5.03	Weighbridges	TD	TD MOm operator	C	TD/IMPS confirmed via their email dated 9 May 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
5.04	Luminance meters	-	-	NOT USED	The luminance meter has been included in Item 4.06 and this Item (Luminance meter) had been deleted.
6	At-grade roads				
6.01	Road pavements and road formation	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.

Abbreviations for Gov't Depts / Relevant Parties:

ArchSD	Architectural Services Department	HyD	Highways Department	CLP	CLP Power Hong Kong Limited
CEDD	Civil Engineering and Development Department	HyD/Ltg	Lighting Division of HyD	TD MOm	Transport Department Management, Operation
DSD	Drainage Services Department	HyD/LU	Landscape Unit of HyD	Operator	and Maintenance Operator
EMSD	Electrical & Mechanical Services Department	HyD/NT	NT Region of HyD		
FSD	Fire Services Department	LandsD	Lands Department		
HKPF	Hong Kong Police Force	LCSD	Leisure and Cultural Services Department		
		TD	Transport Department		
		WSD	Water Supply Department		

Item	Works Description	Maintenance Authority	Maintenance Agent	Status (C = Confirmed P = Pending U = Unresolved)	Remarks
6.02	Road markings and static traffic signs	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
6.03	Street furniture such as parapets, crash barriers, fences, movable steel barriers, crash cushion to demarcate Tunnel Area, etc.	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
6.04	Exclusive road drains	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
6.05	Drainage other than exclusive road drains	DSD / HyD	DSD/ HyD	C	
6.06	CLP's 132kV cables and cable protections	CLP	CLP	C	
6.07	Man-made slopes, retaining structures, and natural terrain mitigation measures on road sides	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
6.08	Landscape softworks for HyD's slopes, geotechnical features and retaining structures on road sides	HyD/LU	HyD/LU	U	Provision of maintenance access, hard shoulder with sufficient space for parking maintenance vehicles and approved TTA proposal for particular location are being reviewed.
6.09	Road lighting (lighting poles, light bulbs, and associated cables)	HyD/Ltg	HyD/Ltg	C	1. HyD/Ltg confirmed via their letter dated 26 August 2017 that they would take up the maintenance of road lighting along roads on condition that the roads are maintained by NT-Region, HyD.
6.10	Cable ducts, draw pits, draw pit covers, earth pits, and earth pit covers for road lighting	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
6.11	Watermains and street fire hydrants	WSD	WSD	U	1. In the meeting held on 16 October 2017, WSD would agree to take up the maintenance responsibility for water mains and street fire hydrants on at-grade roads provided that TD would implement TTA to faciliate WSD's routine maintenance works. 2. TD advised they would not provide such TTA.
6.12	Sign gantry structures and static directional sign faces	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
6.13	Lighting for static directional signs	TD	HyD/Ltg	C	1. HyD/Ltg confirmed via their letter dated 26 August 2017 that they would take up the maintenance of road lighting along roads on condition that the roads are maintained by NT-Region, HyD.
6.14	Noise barriers	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
6.15	Cleansing of road surfaces	HyD/NT & FEHD	HyD/NT & FEHD	C	HyD/NT agreed to take up cleansing works at slip roads, viaducts and high-speed roads and FEHD agreed to take up cleansing works for
6.16	Pressurized sewers from Adminstration Building to DSD's Sha Tau Kok Tai Tong Wu Pumping Station	DSD	DSD	U	
6.17	Pressurized mains (tunnel road road) from Tunnels to DSD's Sha Tau Kok Tai Tong Wu Pumping Station	HyD/NT	HyD/NT	C	HyD/NT confirmed via their letter dated 31 October 2017 that they agreed to take up the maintenance responsibility for the rising mains discharging tunnel road water into stormwater drainage system. DSD confirmed via email dated 21 November 2017 that they had no objection to discharge the tunnel road water into stormwater drainage system.
7	Viaducts and Ramps				
7.01	Highway structures	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.02	Movement joints and bearings	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.03	Ramp structures	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.04	Road pavements (including screeding on maintenance walkways)	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.05	Road markings and static traffic signs	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.

Abbreviations for Gov't Depts / Relevant Parties:

ArchSD	Architectural Services Department	HyD	Highways Department	CLP	CLP Power Hong Kong Limited
CEDD	Civil Engineering and Development Department	HyD/Ltg	Lighting Division of HyD	TD MOm	Transport Department Management, Operation
DSD	Drainage Services Department	HyD/LU	Landscape Unit of HyD	Operator	and Maintenance Operator
EMSD	Electrical & Mechanical Services Department	HyD/NT	NT Region of HyD		
FSD	Fire Services Department	LandsD	Lands Department		
HKPF	Hong Kong Police Force	LCSD	Leisure and Cultural Services Department		
		TD	Transport Department		
		WSD	Water Supply Department		

Item	Works Description	Maintenance Authority	Maintenance Agent	Status (C = Confirmed P = Pending U = Unresolved)	Remarks
7.06	Street furniture such as parapets, crash barriers, movable steel barriers, crash cushions etc.	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.07	Exclusive road drains	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.08	Landscape softworks on viaducts and associated irrigation systems	HyD/LU	HyD/LU	U	HyD/NT confirmed in the meeting held on 5 September 2017 (Item 2.3.5 refers) to undertake the maintenance responsibility for hard landscape. Details of landscape softworks design is being followed-up.
7.09	Road lighting (lighting poles, light bulbs, and associated cables)	HyD/Ltg	HyD/Ltg	C	1. HyD/Ltg confirmed via their letter dated 26 August 2017 that they would take up the maintenance of road lighting along roads on condition that the roads are maintained by NT-Region, HyD.
7.10	Holding down bolts, cable ducts, draw pits, draw pit covers, earth pits, and earth pit covers for road lighting	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.11	Watermains and street fire hydrants (beyond gate valves at branch-offs from at-grade watermains)	WSD	WSD	U	1. In the meeting held on 16 October 2017, WSD would agree to take up the maintenance responsibility for pier-mount water mains up to the fire hydrant heads on viaducts provided that HyD/NT would provide necessary construction plant and access and TD would implement TTA to facilitate WSD's routine maintenance works. 2. TD advised they would not provide such TTA; 3. HyD/NT agreed to provide access / platform to facilitate WSD's works.
7.12	Sign gantry structures and static directional sign faces	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.13	Lighting for static directional signs	TD	HyD/Ltg	C	1. HyD/Ltg confirmed via their letter dated 26 August 2017 that they would take up the maintenance of road lighting along roads on condition that the roads are maintained by NT-Region, HyD.
7.14	Lighting, sockets, and wirings inside bridge cells	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.15	Noise barriers	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.16	Cleansing of road surfaces	HyD/NT & FEHD	HyD/NT & FEHD	C	HyD/NT agreed to take up cleansing works at slip roads, viaducts and high-speed roads and FEHD agreed to take up cleansing works for roundabouts and other roads in the meeting held on 5 September 2017 (Item 2.3.6 refers).
7.17	Maintenance accesses underneath viaducts for viaduct structures	HyD/NT	HyD/NT	C	In the reply letter dated 4 July 2017, HyD/NT had no comment to undertake the maintenance responsibility.
7.18	Pressurized mains (tunnel road road) from Tunnels to DSD's Sha Tau Kok Tai Tong Wu Pumping Station	HyD/NT	HyD/NT	C	HyD/NT confirmed via their letter dated 31 October 2017 that they agreed to take up the maintenance responsibility for the rising mains discharging tunnel road water into stormwater drainage system. DSD confirmed via email dated 21 November 2017 that they had no objection to discharge the tunnel road water into stormwater drainage system.
8	Traffic Control & Surveillance System (TCSS)				
8a	TCSS for Tunnels				
8a.01	Traffic Control Devices (e.g. FVMSSs, LCSs, VSLSSs, Roadside VMSs, Traffic Signals, Tunnel Close Signs, PVMSSs, Local Controllers)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8a.02	Communication System (e.g. optical fibre cables)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8a.03	CCTV System (e.g. cameras, CCTV Servers, CCTV workstations, Network Video Recorders, Video Control Keyboards)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8a.04	Emergency Telephone System (e.g. Emergency Telephone Consoles, Emergency Telephone Sets, Strobe Lights)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8a.05	Radio System (e.g. Portable Transceivers, O&M radio consoles, O&M radio Tx/Rx antennas, O&M repeaters)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8a.06	Detection System (e.g. Video Detection Cameras, OHVD Sensors, OHVD Alarm Panels)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8a.07	Enforcement System (e.g. Detection Units, Video Cameras, Network Hubs, Weighting Control Units, Weighbeams)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.

Abbreviations for Gov't Depts / Relevant Parties:

ArchSD	Architectural Services Department	HyD	Highways Department	CLP	CLP Power Hong Kong Limited
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DSD	Drainage Services Department	HyD/LU	Landscape Unit of HyD	Operator	and Maintenance Operator
EMSD	Electrical & Mechanical Services Department	HyD/NT	NT Region of HyD		
FSD	Fire Services Department	LandsD	Lands Department		
HKPF	Hong Kong Police Force	LCSD	Leisure and Cultural Services Department		
		TD	Transport Department		
		WSD	Water Supply Department		

Item	Works Description	Maintenance Authority	Maintenance Agent	Status (C = Confirmed P = Pending U = Unresolved)	Remarks
8a.08	Cable brackets, cable containment and supporting brackets/frames	TD	TD MOm Operator	U	1. EMSD had replied in their reply email dated 15 December 2017 that EMSD would not take up the maintenance responsibility.
8b	TCSS for Administration Building				
8b.01	Central Control System (e.g. TCSS Workstations, Servers, LCD Monitors)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.02	Communication System (e.g. SDH equipment, digital network equipment)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.03	CCTV System (e.g. cameras, CCTV Servers, CCTV workstations, Network Video Recorders, Video Control Keyboards)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.04	Building PABX (e.g. PABX servers, PABX shelves, Wall Mounted Analogue Telephones)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.05	Emergency Telephone System (e.g. Emergency Telephone Consoles, Emergency Telephone Sets, Strobe Lights)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.06	Public Address System (e.g. PA Control Modules, Digital Call Stations, Flush Mounted Ceiling Speakers)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.07	Radio System (e.g. Portable Transceivers, O&M radio consoles, O&M radio Tx/Rx antennas, O&M repeaters)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.08	Detection System (e.g. Video Detection Cameras, OHVD Sensors, OHVD Alarm Panels)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.09	Manual Fallback Control System (e.g. MFCS Servers and Panels)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.10	Operation Facilities (e.g. Task Lights, Video Wall Control System, Decoder LCD Displays)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.11	Power Distribution System (e.g. Transformers)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8b.12	Enforcement System (e.g. Detection Units, Video Cameras, Network Hubs, Weighting Control Units, Weighbeams)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c	TCSS for Tunnel Ventilation Building				
8c.01	Central Control System (e.g. TCSS Workstations, Servers, LCD Monitors)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.02	Communication System (e.g. SDH equipment, digital network equipment)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.03	CCTV System (e.g. cameras, CCTV Servers, CCTV workstations, Network Video Recorders, Video Control Keyboards)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.04	Building PABX (e.g. PABX servers, PABX shelves, Wall Mounted Analogue Telephones)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.05	Emergency Telephone System (e.g. Emergency Telephone Consoles, Emergency Telephone Sets, Strobe Lights)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.06	Public Address System (e.g. PA Control Modules, Digital Call Stations, Flush Mounted Ceiling Speakers)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.07	Radio System (e.g. Portable Transceivers, O&M radio consoles, O&M radio Tx/Rx antennas, O&M repeaters)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.

Abbreviations for Gov't Depts / Relevant Parties:

ArchSD	Architectural Services Department	HyD	Highways Department	CLP	CLP Power Hong Kong Limited
CEDD	Civil Engineering and Development Department	HyD/Ltg	Lighting Division of HyD	TD MOm	Transport Department Management, Operation
DSD	Drainage Services Department	HyD/LU	Landscape Unit of HyD	Operator	and Maintenance Operator
EMSD	Electrical & Mechanical Services Department	HyD/NT	NT Region of HyD		
FSD	Fire Services Department	LandsD	Lands Department		
HKPF	Hong Kong Police Force	LCSD	Leisure and Cultural Services Department		
		TD	Transport Department		
		WSD	Water Supply Department		

Item	Works Description	Maintenance Authority	Maintenance Agent	Status (C = Confirmed P = Pending U = Unresolved)	Remarks
8c.08	Detection System (e.g. Video Detection Cameras, OHVD Sensors, OHVD Alarm Panels)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.09	Manual Fallback Control System (e.g. MFCS Servers and Panels)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.10	Operation Facilities (e.g. Task Lights, Video Wall Control System, Decoder LCD Displays)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8c.11	Power Distribution System (e.g. Transformers)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d	TCSS for Viaduct, Ramp and At-grade Road				
8d.01	Traffic Control Devices (e.g. FVMSs, LCSs, VSLs, Roadside VMSs, Traffic Signals, Tunnel Close Signs, PVMs, Local Controllers)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d.02	Communication System (e.g. optical fibre cables)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d.03	CCTV System (e.g. cameras, CCTV Servers, CCTV workstations, Network video Recorders, Video Control Keyboards)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d.04	Public Address System (e.g. PA Control Modules, Digital Call Stations, Flush Mounted Ceiling Speakers)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d.05	Radio System (e.g. Portable Transceivers, O&M radio consoles, O&M radio Tx/Rx antennas, O&M repeaters)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d.06	Detection System (e.g. Video Detection Cameras, OHVD Sensors, OHVD Alarm Panels)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d.07	Power Distribution System (e.g. Transformers)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d.08	Enforcement System (e.g. Detection Units, Video Cameras, Network Hubs, Weighting Control Units, Weighbeams)	TD	TD MOm Operator	C	TD/IMPS confirmed via their email dated 3 July 2017 that TD shall be the maintenance authority and TD MOm operator shall be the maintenance agent. TD will engage EMSTF for monitoring the performance of the MOm operator.
8d.09	Cable brackets, cable containment and supporting brackets/frames in utility trough	TD	TD MOm Operator	U	1. EMSD had replied in their reply email dated 15 December 2017 that EMSD would not take up the maintenance responsibility.
8d.10	Buried cable duct and underground cable draw pits	HyD/NT	HyD/NT	C	HyD/NT confirmed via their reply email dated 8 Aug 2017 that they would take up the maintenance responsibility for this item.
9	HKP Radio System (1800 MHz TD-LTE Radio System)				
9.01	HKP Radio communication system (including telecom cables, cable brackets, cable containment, antennas and supporting brackets/frames)	HKPF	HKPF	C	TD stated in the meeting dated 20 Feb 2017 (Item 3.3) that HKPF would take up the maintenance responsibility for this item.

Correspondences of Agreements with Management and Maintenance Departments

Summary of MM Correspondences

A) Correspondences from MM Departments to CEDD/AECOM

Correspondences (CORR.)	Contract	Letter Date	From	To	Letter Ref.	Title	Remarks
A01	C2	25-Mar-2019	HyD/NT	AECOM	Email thread dated 25 March 2019	Demarcation for Feature No. LSTNP/C1	No further comment on the revised demarcation
A02	C2	25-Jul-2019	HyD/LD	AECOM	(6D5P) in HyD LSC/14-7/10/2	Revised Landscape Softwork Proposal	No further comment on the R-to-C from the highways landscape point of view
A03	C2	8-May-2020	LandsD (DLO/N)	AECOM	Email with log no. E65762	Joint Site Inspection for the UUGL Adjacent to the Administration Building	LandsD agreed to take up the maintenance responsibility of the vegetation on the UUGL adjacent to Administration Building until and unless (i) the final Tree Preservation and Removal Proposal (the final TPRP) is approved; and (ii) DLO/N takes over thje UUGL.
A04	C2, C6	07-Dec-2018	FEHD	AECOM	Email with log no. G54155	Demarcation of Landscaped Area for Maintenance Responsibilities	FEHD confirmed to provide street cleaning service
A05	C2, C6	19-Nov-2018	LCSD	AECOM	Email with log no. G58074	Additional Landscaped Area Proposed to be Maintained by LCSD	No objection to taking up the MM responsibility of some of the planters
A06	C2, C6	24-Oct-2019	LCSD	AECOM	Email with log no. G60986	Liantang/Heung Yuen Wai Boundary Control Point-CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)	LCSD agreed in principle to take up the vegetation maintenance of the additional planting areas (approx. 3,705sq.m)
A07	C2, C6	28-Nov-2019	HyD/LD	CEDD	Received the notification via CEDD's Email with log no. G62729	Updated Unresolved Landscape Maintenance Issues on 28 November 2019	HyD/LD had agreed to take up the maintenance responsibility of vegetation on the lowest batter of slopes
A08	C2, C3, C6	05-Jul-2019	TD	AECOM	TD TPM/151/123/8C	Proposed Maintenance Responsibility of the Soft Landscape Works in Viaduct Planters, Ventilation Buildings and Administration Building on Heung Yuen Wai Highway ("HYWH")	1) TD engaged a MOM contractor for the horticultural maintenance works of Ventilation Buildings and Administration Building. 2) TD shall seek assistance from HyD for providing expertise advice for monitoring the MOM contractor's performance on horticultural maintenance on vegetation areas of the Administration Building and Ventilation Building.
A09	C3	26-Feb-2019	HyD/LD	CEDD	(66EZ) in HyD LSC/14-7/10/2	Response to Comment on Proposed Soft Landscape Works (Third Submission)	No comment from maintenance point of view
A10	C3	29-May-2019	HyD/LD	CEDD	(6AJ6) in HyD LSC/14-7/10/2	Additional Soft Landscape Works for Slope Nos. FL/F8 and FL/F10 Adjacent to Tai Wo Service Road East	No comment from maintenance point of view
A11	C3	21-Jun-2018	LCSD	AECOM	Email with log no. C30236	Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility	No comment from maintenance point of view
A12	C3	21-Jun-2019	LCSD	AECOM	Email with log no. C34723	Proposed Additional Soft Landscape Area along Tai Wo Service Road East	No comment from maintenance point of view
A13	C3	08-Jul-2019	LCSD	AECOM	Email thread dated 8 July 2019	Proposed Additional Soft Landscape Area along Tai Wo Service Road East - Additional Information 2	No comment from maintenance point of view
A14	C3	26-Sep-2017	FEHD	AECOM	(14) in FEHD N 1-150/10/15/2012(3)	Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation of Maintenance Responsibility	No comment on the proposal
A15	C6	27-Feb-2018	HyD/NT	AECOM	(11G2Q) in HyD NT/12-2/1/17-CB	Soft Landscape Works Proposal and Demarcation of Maintenance Responsibility	No comment on the proposal
A16	C6	16-Apr-2020	HyD/LD	CEDD	(6PLR) in HyD LSC/14-7/10/2	Revised Soft Landscape Works Proposal to be Handed Over to Landscape Division of Highways Department (LD/HyD) for Future Maintenance	No comment from highways landscape and vegetation maintenance point of view
A17	C6	15-Jul-2019	LCSD	AECOM	() in LCS 1/HQ 715/11(3) Pt.12	2nd Response to Comments on Revised Landscape Softwork Proposal and Demarcation on Maintenance Responsibility	No further comment on the updated number of replacement planting. Resubmission required
A18	C6	5-May-2020	LCSD	AECOM	Email with log no. G63621	Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from kerb of Public Roads	LCSD agreed to take up maintenance of 73 trees in addition to 555 trees previously agreed
A19	C6	17-Nov-2017	FEHD	AECOM	(17) in FEHD N 1-150/10/15/2012(3)	Soft Landscape Works Proposal and Demarcation of Maintenance Responsibility	No comment on the proposal

B) Correspondences from CEDD/AECOM to MM Departments

Correspondences (CORR.)	Contract	Letter Date	From	To	Letter Ref.	Letter Title	Remarks
B01	C2, C3, C6	22-May-2019	CEDD	HyD	(0196E6) in NDO-30-4160-CV/2012/08-C05-200	Coordination Meeting for HyD's Unresolved Management and Maintenance (M&M) Responsibility	HyD/LD agreed to provide expert advice to TD for their monitoring of MOM contractor's performance on maintenance of plantings on buildings of HYWH
B02	C3, C6	21-Jun-2019	CEDD	HyD	() in NDO-30-4160-CV/2012/08-C05-200	Management and Maintenance (M&M) Repsonsibility for Hard and Soft Landscape on Viaduct along Heung Yuen Wai Highway	HyD is responsible for maintaining both hard and soft landscape for the viaduct along HYWH according to TD's MOM agreement
B03	C5	23-Jul-2018	CEDD	LCSD	() in NDO-30-4160-CV/2013/03/C55/100	Landscape Enhancement Works along the re-aligned Lin Ma hang Road to be handed over to LCSD for Maintenance (Reminder Memo)	LCSD has no objection to taking up the maintenance responsibility of the landscape softworks along Lin Ma Hang Road

LAM Wing Ki, Vicky

From: LEE Chun Kit, Edmond
Sent: Monday, March 25, 2019 2:18 PM
To: LAM Wing Ki, Vicky
Subject: RE: CV/2012/08 - Demarcation Plan for Feature No. LSTNP/C1

Dear Vicky,

Fyi

Best Regards,
Edmond Lee

2019年3月25日上午11:55, pc1cb1.nt@hyd.gov.hk 寫道：
Dear Edmond,

I have no further comments on the revised demarcation.

Regards,
Bryan Chong
PC1/CB1
NT Region, HyD
Tel: 3526 0053

From: "LEE Chun Kit, Edmond" <edmond.lee@lt-aecom.com>
To: "pc1cb1.nt@hyd.gov.hk" <pc1cb1.nt@hyd.gov.hk>
Cc: "'benho@cedd.gov.hk'" <benho@cedd.gov.hk>, "HO Ying Lun, Alan" <alan.ho@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "CHOW Shek Hei, Bobby" <bobby.chow@lt-aecom.com>
Date: 20/03/2019 17:00
Subject: RE: CV/2012/08 - Demarcation Plan for Feature No. LSTNP/C1

Dear Byran,

Please find the revised demarcation plan for the captioned feature for your advanced information and consideration
The formal submission will be made by end of this week
Thanks

Best Regards,
Edmond Lee

From: pc1cb1.nt@hyd.gov.hk [<mailto:pc1cb1.nt@hyd.gov.hk>]
Sent: Wednesday, March 20, 2019 1:31 PM
To: LEE Chun Kit, Edmond
Cc: HO Ying Lun, Alan; 'benho@cedd.gov.hk'; CHOW Shek Hei, Bobby; LEUNG Siu Yin, Carol
Subject: Re: CV/2012/08 - Demarcation Plan for Feature No. LSTNP/C1

Dear Edmond,

As discussed on phone, our reply, as attached, has been issued on 12/3/2019.

Regards,
Bryan Chong
PC1/CB1
NT Region, HyD
Tel: 3526 0053

From: "LEE Chun Kit, Edmond" <edmond.lee@lt-aecom.com>
To: "pc1cb1.nt@hyd.gov.hk" <pc1cb1.nt@hyd.gov.hk>
Cc: "'benho@cedd.gov.hk'" <benho@cedd.gov.hk>, "HO Ying Lun, Alan" <alan.ho@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "CHOW Shek Hei, Bobby" <bobby.chow@lt-aecom.com>, "LEE Chun Kit, Edmond" <edmond.lee@lt-aecom.com>
Date: 05/03/2019 11:50
Subject: CV/2012/08 - Demarcation Plan for Feature No. LSTNP/C1

Dear Bryan,

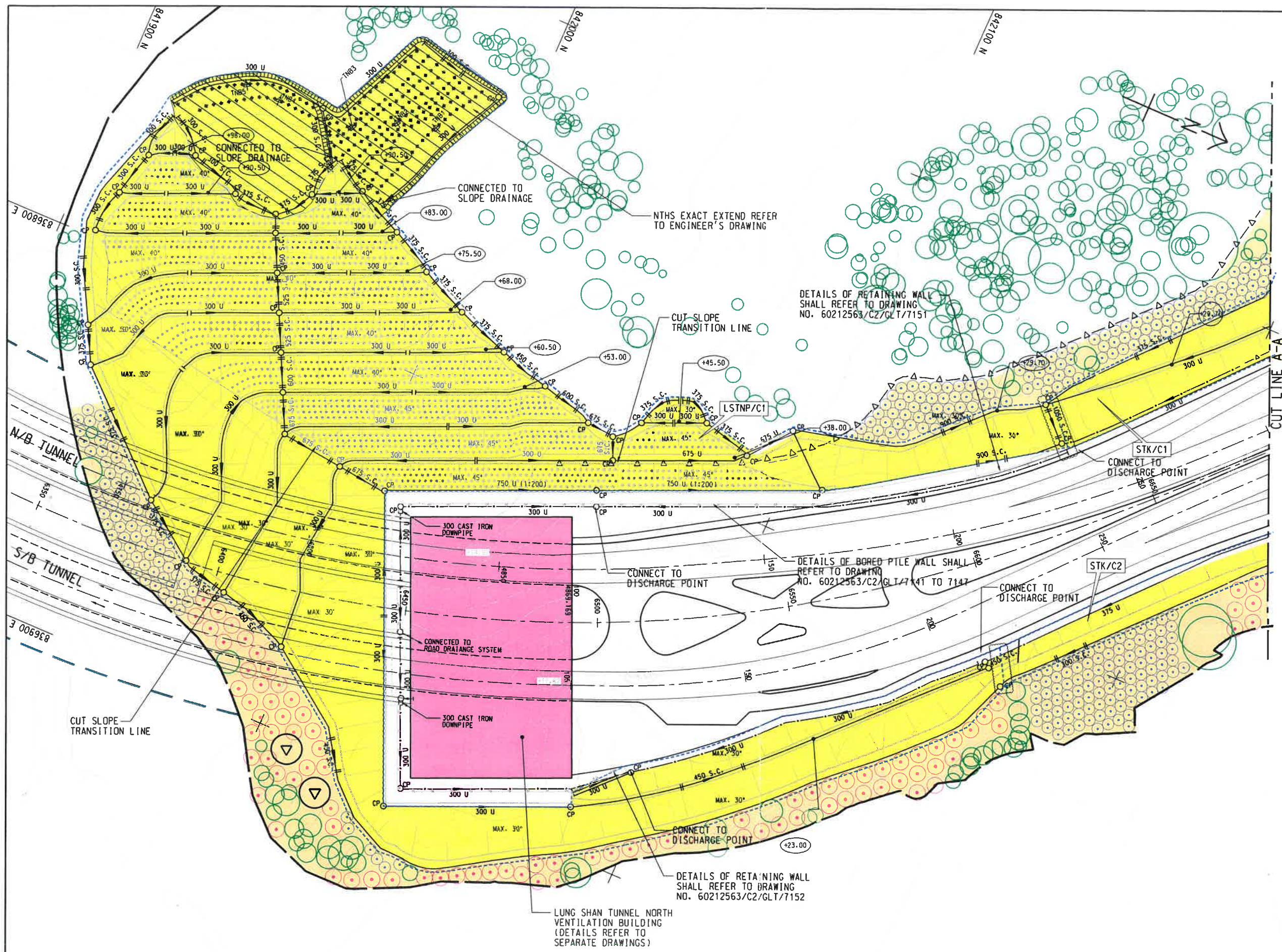
As discussed this morning, please find the updated and previous demarcation plans of the captioned feature for your reference
Thanks

Best Regards,
Edmond Lee

[attachment "F22691.pdf" deleted by Yin Fai CHONG/HYD/HKSARG] [attachment "03. F18386.pdf" deleted by Yin Fai CHONG/HYD/HKSARG] [attachment "SK1375_G.PDF" deleted by Yin Fai CHONG/HYD/HKSARG]

LEGEND:

- LANDSCAPE AREA TO BE MAINTAINED BY HyD
- LANDSCAPE AREA TO BE MAINTAINED BY LANDSD/OLO
- UNRESOLVED AREA
- PROPOSED HIGHWAYS SIMAR SLOPE BOUNDARY (SLOPE NO. TO BE CONFIRMED)



SEE SKETCH NO. CV/2012/08/R10/120/1377



CONTRACT NO. CV/2012/08
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 2

PROPOSED MAINTENANCE DEMARCATION PLAN
FOR SOFT LANDSCAPE WORKS (SHEET 1 OF 5) -
LUNG SHAN TUNNEL NORTH PORTAL

SCALE	1:1000 ON A3	DATE	20-MAR-19
CHECKED	EL	DRAWN	CYK
JOB NO.	60212563/C2	SKETCH NO.	CV/2012/08/R10/120/1375
DOCUMENT REFERENCE NO.	CV/2012/08/R10/120/1375 (F23118)		

Urgent by Fax

A02
(Page 1 of 1)**MEMO**

From CLA /Landscape Division, HyD	To NDO, CEDD
Ref. (6D5P) In HyD LSC/14-7/10/2	(Attn. :) Mr. Raymond Y.B. LEONG /Mr. P.Y. LU
Tel. No. 3903 6658	Your Ref.
Fax. No. 2310 8438	Dated
Email. ladnte.lsc@hyd.gov.hk	Fax No. 3547 1659
Date 25 July 2019	Total Pages 1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction


Contract No. CV/2012/08 Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 2

Revised Landscape Softwork Proposal

I refer to the submission under the Consultant – AECOM Asia Co. Ltd.'s letter ref. (CV/2012/08)/C55/700/(F23772) dated 27.6.2019 (received on 5.7.2019) enclosed with the captioned drawings and a responses-to-comments (R-to-C).

2. Please note that I have no further comment on the R-to-C from the highways landscape point of view.

3. Regarding the toe wall planters of slope features LSTSP/C1, LSTNP/C1, STK/C1, and STK/C2, please observe my comments given in memo ref. (6C97) in HyD LSC/14-7/10/2 dated 17.7.2019 addressed to your office, in response to the Consultant's letter ref. (CV/2013/08)/C55/200/(H10012) dated 24.6.2019 titled "Proposed Maintenance Responsibility of Soft Landscape Works at the Lowest Batter of Berm Planters at 10m Slope Features LSTSP/C1, LSTNP/C1, STK/C1, STK/C2, CSTSP/C1, CSTNP/C1, WKS/C1, WKS/C2, WKS/C3 and WKS/C5".


 (CHAN Tai-fung Sandy)
 for Chief Landscape Architect
 Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG Fax: 2714 5228
 AECOM Attn.: Mr. Alan HO Fax: 2171 3498

Internal
 SLA/VM(NT) SLA/VM(S) LA/VM(HSR) LA/VM(NTE) via EDMS

YTC/SC/sc



E 65762

A03
(Page 1 of 12)**PUN Tsz King**

From: LAM Wing Ki, Vicky
Sent: Saturday, May 09, 2020 9:10 AM
To: PUN Tsz King
Cc: LEUNG Siu Yin, Carol; CHOW Shek Hei, Bobby; TSUI Siu To, Daniel; WONG Tin Lok, Clement; WONG Wai Ting, Wen; TAM Tsz Him, Ray
Subject: FW: Joint Site Inspection for the UUGL Adjacent to the Administration Building
Attachments: Fence at Administration Building.pdf
Importance: High

Dear King,

Please register the below email and the attached for record. Thank you.

Regards,

Vicky Lam
 Assistant Resident Architect

Liantang / Heung Yuen Wai Boundary Control Point
 Site Formation and Infrastructure Works
 AECOM Asia Co. Ltd.
 Tel: 2171 3439/ 9534 5246

From: lensd1@landsd.gov.hk [mailto:lensd1@landsd.gov.hk]
Sent: Friday, May 08, 2020 4:45 PM
To: CHOW Shek Hei, Bobby
Cc: LEUNG Siu Yin, Carol; WONG Tin Lok, Clement; TSUI Siu To, Daniel; Lam, Yee Lin Elaine; LING Yun, Julian; lenlec3@landsd.gov.hk; TAM Tsz Him, Ray; rickywklam@cedd.gov.hk; slenlec@landsd.gov.hk; slensd@landsd.gov.hk; LAM Wing Ki, Vicky; wktai@cedd.gov.hk
Subject: RE: Joint Site Inspection for the UUGL Adjacent to the Administration Building
Importance: High

Dear Mr. CHOW,

I refer to Vicky LAM's email of 20.4.2020 and your emails of 27.4.2020 and 7.5.2020.

With reference to the salient points in Vicky LAM's email of 20.4.2020, I would like to provide the comments from this office under the same nomenclatures.

- 1) No further comment.
- 2) The shrubs to be handed over to this office should be well established and self-sustained.
- 3) I would clarify that the maintenance of the trees/shrub/vegetation at the captioned location as well as the other UUGL within the allocated sites for the LT-HYW BCP project still rests with CEDD until and unless
 - (i) the final Tree Preservation and Removal Proposal (the final TPRP) is approved; and
 - (ii) this office takes over the UUGL.

Hence, please note the following two situations:

- a) If the final TPRP is approved **before** the expiry of the establishment period of the vegetation, the UUGL planted with vegetation could be handed back to this office after the expiry of the establishment period; and

b) If the final TPRP is approved **after** the expiry of the establishment period of the vegetation, the UUGL planted with vegetation could be handed back to this office after the final TPRP is approved.

4) I would clarify that the date of formal handover of UUGL planted with vegetation cannot be determined until and unless the final TPRP is approved.

5) No comment. By the way, if any hard landscape feature/structure should be installed within the concerned area, consent for taking up its maintenance responsibility from the relevant works department should be obtained.

6) The proposal of setting fence, railings and gate for the UUGL near Administration Building is attached.

Please be advised that the concrete footpath and drainage structure on the concerned area should **not** be maintained by Lands Department. Please obtain consent from the relevant works department(s) who agrees to take up the maintenance responsibility of the footpath and the drainage structure. Moreover, we note that there is a natural stream on the concerned area (please refer to Photo 4 in the attachment above). After the installation works is completed, the natural stream is still a hazard to residents. Please see if any improvement works could be made.

Please take heed of my comments above and revise your proposal accordingly. In addition, please provide me with the consent(s) for taking up the maintenance responsibility of the concrete footpath, drainage structure, hard landscape features, etc. from the relevant works department(s).

Should you have any questions, please call me.

Best regards,

MAK Wing-ho
Land Executive/Special Duties 1
District Lands Office/North
Lands Department
Tel: 2675 1858
Fax: 2675 9224
[Ref.: L/M(14) in DLON 2/61/06]

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From: "CHOW Shek Hei, Bobby" <bobby.chow@lt-aecom.com>
To: "lensd1@landsd.gov.hk" <lensd1@landsd.gov.hk>, "lenlec3@landsd.gov.hk" <lenlec3@landsd.gov.hk>

Cc: "slenlec@landsd.gov.hk" <slenlec@landsd.gov.hk>, "slensd@landsd.gov.hk" <slensd@landsd.gov.hk>, "rickywklam@cedd.gov.hk" <rickywklam@cedd.gov.hk>, "wktai@cedd.gov.hk" <wktai@cedd.gov.hk>, "Lam, Yee Lin Elaine" <elaine.lam@aecom.com>, "LING Yun, Julian" <julian.ling@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "LAM Wing Ki, Vicky" <vicky.lam@lt-aecom.com>, "TSUI Siu To, Daniel" <daniel.tsui@lt-aecom.com>

Date: 07/05/2020 12:55

Subject: RE: Joint Site Inspection for the UUGL Adjacent to the Administration Building

Dear Mr. Mak and Kelly,

As we discussed on phone this morning, I understand you are still reviewing our chain link fence and landscape proposal.

We would be grateful if you could give us confirmation before 15 May 2020.

Regards,
Bobby
2171 3305
6321 5012

From: CHOW Shek Hei, Bobby

Sent: Monday, April 27, 2020 1:59 PM

To: lensd1@landsd.gov.hk; lenlec3@landsd.gov.hk

Cc: slenlec@landsd.gov.hk; slensd@landsd.gov.hk; rickywklam@cedd.gov.hk; wktai@cedd.gov.hk; Lam, Yee Lin Elaine; LING Yun, Julian; LEUNG Siu Yin, Carol; WONG Tin Lok, Clement; TAM Tsz Him, Ray; LAM Wing Ki, Vicky; TSUI Siu To, Daniel

Subject: RE: Joint Site Inspection for the UUGL Adjacent to the Administration Building

Dear Mr. Mak and Kelly,

Further to the joint site inspection on 15 April 2020, our ARA Vicky Lam had sent an email to you ask for your confirmation on chain link fence and landscape proposal. We are grateful if you could give us confirmation as soon as practicable.

Regards,
Bobby
2171 3305
6321 5012

From: LAM Wing Ki, Vicky

Sent: Monday, April 20, 2020 9:19 AM

To: lensd1@landsd.gov.hk; lenlec3@landsd.gov.hk

Cc: slenlec@landsd.gov.hk; slensd@landsd.gov.hk; rickywklam@cedd.gov.hk; wktai@cedd.gov.hk; Lam, Yee Lin Elaine; LING Yun, Julian; LEUNG Siu Yin, Carol; CHOW Shek Hei, Bobby; WONG Tin Lok, Clement; TAM Tsz Him, Ray

Subject: Joint Site Inspection for the UUGL Adjacent to the Administration Building

Dear Mr. Mak and Ms. Wong,

Thank you for attending the joint site inspection amongst LandsD, CEDD and AECOM conducted on 15 April 2020 for the UUGL adjacent to the Administration Building. Please find the following salient points for your record:

- 1) LandsD had no objection to the species of new trees as long as the trees would be fenced off, well established and self-sustained upon the day of final handover.
- 2) LandsD stated they would provide comment on the shrubs.

3) AECOM had informed LandsD that the establishment period for the landscape softwork at the ca location had commenced on 30 July 2019 and would be expired on 28 July 2020. The landscape softwork would then be final handover to LandsD upon the expiry of the establishment period.

4) LandsD stated that the Approved TPRP should be available on date of formal hand over.

5) LandsD stated that if the concerned area was eventually taken up by LandsD, the as-built 1.3m irrigation water points casing and the above ground piping shall be removed.

6) LandsD(Land Control team) would confirm the means of delineation (i.e chain link fence, railing or HyD standard type II railing) to enclose the concern area, by 17 April 2020 for AECOM's onwards action. For ease of reference, a mark-up plan and photographic record in response with onsite discussion is attached.

It shall be grateful to receive your confirmation by 20 April 2020.

Regards,

Vicky Lam
Assistant Resident Architect

Liantang/ Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.
Tel: 2171 3439/ 9534 5246

[attachment "Mark-up Plan.pdf" deleted by Wing Ho MAK/LAO/LANDSD/HKSARG] [attachment "Photographic Record.pdf" deleted by Wing Ho MAK/LAO/LANDSD/HKSARG]

**Government land near Lamp Post No. BD0176,
Administration Building, Wo Keng Shan Road, Sha Tau Kok, New Territories**

Photo 1



..... / [] Type 2 Railings to be extended

Photo 2



Close up



..... Type 2 Railings to be extended

Concrete footpath and drainage should not be maintained by Lands Department.

Photo(s) taken on :24/04/2020 & 15/04/2020

**DISTRICT LANDS OFFICE (N)
LANDS DEPARTMENT**



Government land near Lamp Post No. BD0176,
Administration Building, Wo Keng Shan Road, Sha Tau Kok, New Territories

Photo 3






LHS of view



Photo 3



-  Boundary Fence to be recommended
-  /  Proposed 1.1m high lockable man-gate next to the fencing

Concrete footpath and drainage should not be maintained by Lands Department.

Photo(s) taken on :24/04/2020 & 15/04/2020

DISTRICT LANDS OFFICE (N)
LANDS DEPARTMENT



Government land near Lamp Post No. BD0176,
Administration Building, Wo Keng Shan Road, Sha Tau Kok, New Territories

Photo 4






Close up



A hazard to residents



-  Type 2 Railings to be extended
-  Boundary Fence to be recommended
-  Start/End pt.

The natural stream was detected on site.
After completed the installation works, it is still **a hazard to residents**. Please see if improvement works could be made.

Photo(s) taken on :24/04/2020 & 15/04/2020

DISTRICT LANDS OFFICE (N)
LANDS DEPARTMENT



Government land near Lamp Post No. BD0176,
Administration Building, Wo Keng Shan Road, Sha Tau Kok, New Territories

Photo 5



Close up



Photo 6



Close up_2



Type 2 Railings to be recommended

..... Type 2 Railings to be recommended

..... Boundary Fence to be recommended

..... Start/End pt.

Concrete footpath and drainage should not be maintained by Lands Department.

Photo(s) taken on :24/04/2020 & 15/04/2020

DISTRICT LANDS OFFICE (N)
LANDS DEPARTMENT



Government land near Lamp Post No. BD0176,
Administration Building, Wo Keng Shan Road, Sha Tau Kok, New Territories

Photo 7



Close up



Photo 8



..... Type 2 Railings to be recommended

..... Boundary Fence to be recommended

..... Start/End pt.

Concrete footpath and drainage should not be maintained by Lands Department.

Photo(s) taken on :24/04/2020 & 15/04/2020

DISTRICT LANDS OFFICE (N)
LANDS DEPARTMENT



Government land near Lamp Post No. BD0176,
Administration Building, Wo Keng Shan Road, Sha Tau Kok, New Territories

Photo 9



- Type 2 Railings to be recommended
- Boundary Fence to be recommended
- Start/End pt.

Photo(s) taken on :24/04/2020 & 15/04/2020

DISTRICT LANDS OFFICE (N)
LANDS DEPARTMENT



Government land near Lamp Post No. BD0176,
Administration Building, Wo Keng Shan Road, Sha Tau Kok, New Territories

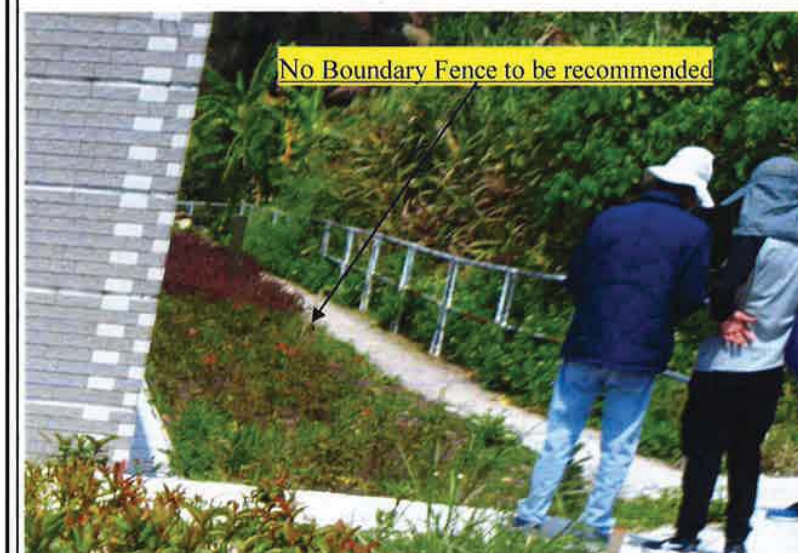
Photo 10



Close up_1



Photo 11



- Type 2 Railings to be recommended
- Boundary Fence to be recommended
- Start/End pt.

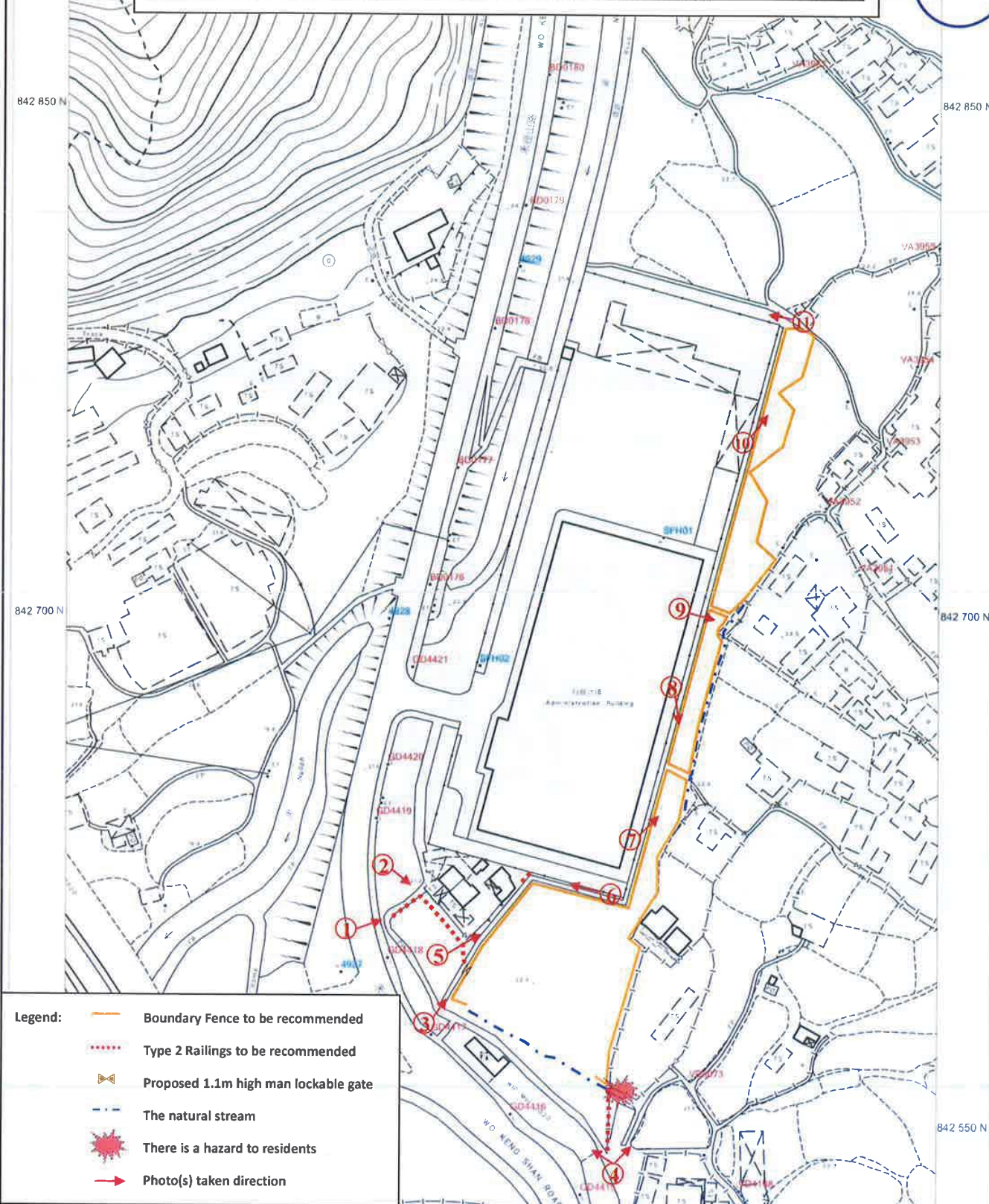
Concrete footpath and drainage should not be maintained by Lands Department.

Photo(s) taken on :24/04/2020 & 15/04/2020

DISTRICT LANDS OFFICE (N)
LANDS DEPARTMENT



Government land near Lamp Post No. BD0176,
Administration Building, Wo Keng Shan Road, Sha Tau Kok, New Territories



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此圖只作識別用，當局不保證圖上所示任何測量數字的準確程度。

HUNG Man Chi, Gigi

From: kamywong@fehd.gov.hk
Sent: Friday, 7 December 2018 10:01 AM
To: NGO Tsz Kei, Twiggy
Cc: LEUNG Siu Yin, Carol; WONG Tin Lok, Clement; LEE Ka Tung, Kelvin; SZE Siu Ching, Sandy; LEUNG Chi Man, Simon; ycluk@cedd.gov.hk; kwkchiu@fehd.gov.hk
Subject: Re: CEDD Contract No. CV/2013/08 Liantang/Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 6 (Demarcation of Landscaped Area for Maintenance Responsibilities)
Attachments: Additional LCSD planters for FEHD.pdf

Dear Ms NGO,

Please be confirmed that this department will carry out the street cleansing service according to the said DEVB Technical Circular.

Best Regards,

(WONG Kam-yan, Oliver)
SHI(CI&PC)N2, FEHD
Tel: 2679 2800

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>

To: "kamywong@fehd.gov.hk" <kamywong@fehd.gov.hk>
Cc: "ycluk@cedd.gov.hk" <ycluk@cedd.gov.hk>, "LEUNG Chi Man, Simon" <simon.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "LEE Ka Tung, Kelvin" <kelvin.lee@lt-aecom.com>
Date: 6/12/2018 17:18
Subject: CEDD Contract No. CV/2013/08 Liantang/Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 6 (Demarcation of Landscaped Area for Maintenance Responsibilities)

Dear Mr. Wong,

Reference is made to the tele-conversation between your goodself and me this afternoon. It is informed that the Enhancement planting works along the Realigned Lin Ma Hang Road and Wo Keng Shan Road are in progress. The works will be handed over to LCSD for future maintenance. According to DEVB Technical Circular (Works) No. 6/2015, FEHD will carry out street cleaning, including removal of rubbish and cleansing of roadside planting areas. Therefore, we would like to provide herewith a set of latest drawings, showing the planting areas to be handed over to LCSD under the captioned Contract for your review and confirmation.

Please do not hesitate to contact the undersigned for further information.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

CHEUNG Fung Yee, Emmie

G 58074

A05
Page 1 of 2

From: SZE Siu Ching, Sandy
Sent: Monday, 26 November 2018 3:39 PM
To: NGO Tsz Kei, Twiggy
Subject: FW: 轉寄: RE: C2 and C6 Additional landscaped area proposed to be maintained by LCSD
Attachments: doc04575420181018115009.pdf; General Requirements (as at 5.2018)_clean mode.pdf; Planting Bed B & C.jpg; Photos of Tai Tau Leng Roundabout.pdf; Planting Bed E.jpg

Dear Twiggy,

Please find the comments from LCSD on "C2 and C6 Additional landscaped area proposed to be maintained by LCSD" for your further action.

Best Regards,

Sandy SZE
Resident Field Officer II

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5065 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Monday, November 19, 2018 5:28 PM
To: LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; CHAN Mei Yee, Jean; SZE Siu Ching, Sandy; TAM Tsz Him, Ray
Subject: FW: 轉寄: RE: C2 and C6 Additional landscaped area proposed to be maintained by LCSD

Dear all,

Please find LCSD's comments below for your consideration.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Ray YW CHENG [mailto:rywcheng@lcsd.gov.hk]
Sent: Monday, November 19, 2018 2:40 PM
To: WONG Tin Lok, Clement
Cc: CH YIP; Kay HK TSANG; KC CHAN; CL LIN
Subject: RE: 轉寄: RE: C2 and C6 Additional landscaped area proposed to be maintained by LCSD

Dear Angel,

Refer to the attached memo dated 26 September 2018 and the further information from AECOM dated 9 October 2018,

Our comment are provided at below :

1. The project proponent should compliance with the "General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance" for the additional roadside planters.
- 2.
2. According to the above requirements, proper irrigation systems and lockable water points should be provided. Project proponent should identify a maintenance agent for irrigation systems, otherwise, LCSD would not take up the maintenance of the irrigation system for the above items.
3. Proper maintenance access/ loading bay/ safety zone should be provided at appropriate locations for the maintenance staff and/ or vehicles as far as practicable. Please provide further details of those items.
4. Written consent from FEHD for cleansing and littering picking services where appropriate within the landscape area should be obtained.
5. For the additional roadside landscaped area in C2 and C6 proposed to be handed over to LCSD for future maintenance, sufficient additional recurrent cost including the following items to be agreed by LCSD must be provided. The RC should be bid and provided by project proponent.
 - Horticultural maintenance for shrubs and trees
 - Plant replacement cost & corresponding labour cost
 - Maintenance cost for irrigation points
 - Staff Cost
 - Road closure for horticultural maintenance (as appropriate)
6. LCSD reserved the right to provide further comment on the proposed items subject to further information and design drawings by the project proponent.

Planting bed A, F & G

- We have in principal no objection to take up the horticultural maintenance provided that the project proponent could fulfil the requirement in above items 1 to 6.
- For the tree matter, please seek advice from RTT(NTN).

Planting bed B and C

- As the headroom is only 4.8m with no natural sunlight, planting underneath the flyover is not recommended. We have in principal no objection to take up the planting for approximate 1m width at the edge underneath the flyover where natural sunlight could be reached and for planting at the open space, in condition that the project proponent could fulfil the requirement in above items 1 to 6.

Planting bed D

- As the headroom is only 6.8m with no natural sunlight at the central of roundabout, planting underneath the flyover is not recommended. It is suggested to be replaced by pebble or hard paved at the central of

LEE Pui Shan

From: WOO Man Chi, Manchi
Sent: Thursday, 24 October 2019 1:53 PM
To: LEE Pui Shan
Subject: FW: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)
Attachments: additional planting areas agreed on site (LCSD confirmed as highlighted Yellow).pdf

Dear Shan,

For incoming register.

Regards,
Manchi

From: LEUNG Siu Yin, Carol
Sent: Thursday, 24 October 2019 1:50 PM
To: WOO Man Chi, Manchi <manchi.woo@lt-aecom.com>; MA Chi Fai, Rita <rita.ma@lt-aecom.com>
Subject: FW: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)

Dear GOs,
Please register the email under C2 and C6

Thanks!
Carol
21713405/63215017

From: Karen KC NG [mailto:kkcng@lcsd.gov.hk]
Sent: Thursday, October 24, 2019 12:59 PM
To: WONG Tin Lok, Clement; LEUNG Siu Yin, Carol
Cc: Susana SL TAI YIP; Ray YW CHENG; Kay HK TSANG; Anita SUNG; Sau Han LAM; Elsa C TSENG
Subject: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)

Dear Carol and Clement,
I refer to our joint site inspection on 10 September, 9 October 2019 and your email below, please note that we are agreed in-principle to take up the vegetation maintenance of the additional planting areas (approx. 3,705m²) as highlighted in light blue as per the sketches via your email of 10 October 2019 17:19 & 17:23PM (i.e. CV/2012/08/R10/120/1394, CV/2013/08/SK1948F, CV/2013/08/SK1952D & CV/2013/08/SK1953C as reproduced below) on the following conditions:

- the planting areas should be located along non-expressway public roads maintained by the HyD in accordance with item 6(ii) of DEVB TCW No. 6/2015; LCSD would not take up those landscaped areas fall within village environs and those along village access road/footpath not maintained by HyD;
- the planting areas should be provided with water points with maintenance works agent identified for LCSD as well as proper access, lay-by and safe working conditions for LCSD's maintenance crew;
- the planting areas should be clearly delineated with clear demarcation by installation of kerb/fencing and LCSD is not responsible for these hard landscape features;
- the new trees to be planted on these additional planting areas should be agreed by our Regional Tree Team;

- CEDD should provide sufficient amount of recurrent cost and to seek Financial Services and Treasury Bureau approval on it for inclusion in the Public Works Subcommittee paper; and
- LCSD reserves the right to provide further comment on the planting proposal and relevant drawings.

Regarding the remaining proposed planting areas of UUGLs (approx. 10,984m²) including the areas adjacent to Administration Building (as shaded in RED and Green in sketches CV/2012/08/R10/120/1394) and those planting areas where are found obvious level difference between the planting areas and the adjacent public roads/footpath considering of low amenity value to the public, situated behind HyD's slopes and along footpath within village environs, it is regret to inform you that LCSD would not take up the maintenance responsibility of the vegetation therein after having taken into account the above and prior agreeable planting areas (approx. 19,142m²) as well as the additional planting areas (approx. 3,705m²) to be taken up.

For the proposed planting areas near Sewage Treatment Plant (i.e. CV/2013/08/SK2557 and site photo below), it appears that it is the access for personnel of the Sewage Treatment Plant where is located in close proximity to the restricted area of the Boundary Control Point, we consider that there has no amenity value to the public and landscape enhancement work and the subsequent maintenance to be handed over to LCSD is not necessary.



If you have any questions, please feel free to contact me or Mr Ray CHENG.

Regards,
Karen KC NG
DDL(N)2/LCSD
Tel: 2679 2833

----- Forwarded by Karen KC NG/LCSD/HKSARG on 18/10/2019 15:18 -----

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: "Karen KC NG (kkcng@lcsd.gov.hk)" <kkcng@lcsd.gov.hk>
Cc: "Ray HK TSANG (khktsang@lcsd.gov.hk)" <khktsang@lcsd.gov.hk>, "Ray YW CHENG (rywcheng@lcsd.gov.hk)" <rywcheng@lcsd.gov.hk>, "Lo Chi Fai, Steve" <stevelo@cadd.gov.hk>, "Lam Shu, Albert" <albertlam@cadd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twigg" <twiggv.ngo@lt-aecom.com>, "LAM Wing Ki, Vicky" <vicky.lam@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "sauhanlam@lcsd.gov.hk" <sauhanlam@lcsd.gov.hk>, "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>
Date: 11/10/2019 14:15
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Supplementary Information)

Dear Ms. Ng,

Further to our email below, please find the breakdown for the plantings already agreed in previous submissions as illustrated in the table below. Please also find the attached (a) your latest comments on 'Soft Landscape Works Proposal' (**Attachment a1.pdf**) and 'Additional Landscaped Areas' (**Attachment a2.pdf**); and (b) supplementary drawings showing the plantings to be maintained by LCSD (**Attachment b.pdf**) for your reference.

Proposed to be Maintained by LCSD*	New Trees (nr.) ^A	New Shrubs/Groundcovers	
		Quantity (nr.)	Planting areas (sq.m)
Already agreed in previous submissions (clouded in green)	553	approx. 174,835	approx. 19,142
a) Soft Landscape Works Proposals	299	approx. 91,926	approx. 9,872
b) Additional Landscaped Areas	254	Approx. 82,909	approx. 9,270
Additional planting areas agreed on site for this submission (highlighted in light blue)	110	approx. 21,104	approx. 3,705
Total	663	195,939	22,847
Pending further advice (highlighted in crimson)	132	approx. 32,715	approx. 3,390
Additional planting areas declined by LCSD (highlighted in light green)	189	approx. 69,332	approx. 7,594
Remarks: *excluding new trees and planting areas along realigned Lin Ma Hang Road and at Chuk Yuen Village Resite Area. ^A excluding retained and transplanted trees			

Besides, please note that we have submitted our 2nd Response to Comments on Soft Landscape Works Proposal via the letter ref. PWKL:cfwl:60212563/C6/C55/200-2019004976W dated 4 June 2019 (**Attachment c.pdf**—annexes are excluded) but we have not received any feedback from LCSD. We would be grateful if you would also reply to this letter at your earliest convenience.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Thursday, October 10, 2019 5:25 PM
To: Karen KC NG (kkng@lcsd.gov.hk)
Cc: Kay HK TSANG (khktsang@lcsd.gov.hk); Ray YW CHENG (rywcheng@lcsd.gov.hk); Lo Chi Fai, Steve (stevelo@cedd.gov.hk); Lam Shu, Albert (albertlam@cedd.gov.hk); LEUNG Siu Yin, Carol; NGO Tsz Kei, Twigg; LAM Wing Ki, Vicky; SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com); TAM Tsz Him, Ray; 'sauhanlam@lcsd.gov.hk'; Angel LAU (angellau@lcsd.gov.hk)
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 2/2)

Dear Ms. Ng,

Further to our email below, please find part 2 of the drawings in the attachment for your perusal.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Thursday, October 10, 2019 5:19 PM
To: Karen KC NG (kkng@lcsd.gov.hk)
Cc: Kay HK TSANG (khktsang@lcsd.gov.hk); Ray YW CHENG (rywcheng@lcsd.gov.hk); Lo Chi Fai, Steve (stevelo@cedd.gov.hk); Lam Shu, Albert (albertlam@cedd.gov.hk); LEUNG Siu Yin, Carol; NGO Tsz Kei, Twigg; LAM Wing Ki, Vicky; SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com); TAM Tsz Him, Ray; 'sauhanlam@lcsd.gov.hk'; Angel LAU (angellau@lcsd.gov.hk)
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 1/2)

Dear Ms. Ng,

Thank you for joining the site inspection on 9 October 2019 for the additional planting areas proposed to be maintained by LCSD (**clouded** in **mustard**). Please find the following salient points and a set of drawings (**to be sent in 2 separate emails**) for your review:-

- LCSD/NDLSO agreed to take up the maintenance of certain additional planting areas, where are **highlighted** in light blue.
- LCSD/NDLSO would reconsider taking up the maintenance responsibility of vegetation on UUGLs adjacent to Administration Building and near Nga Yiu Ha (see **highlighted** in crimson).
- LCSD/NDLSO reiterated all planting area handed over to LCSD, shall meet the following criteria:-
 - the planting areas would be "landscaped" in accordance with item 6(vii) of DEVB TCW No. 6/2015.
 - water points would be provided and properly maintained by a maintenance agent other than LCSD; and
 - the planting areas would be clearly delineated.
- LCSD/NDLSO also pointed out that they would **not** take up the maintenance responsibility of the shrubs in some controversial planting areas (see **highlighted** in light green); typical cases include:-
 - where there is significant level difference between the planting areas and the adjacent footpath, inducing low/nil amenity value to the public;
 - planting areas behind HyD slopes; and
 - planting areas along footpath within village environs.
- LCSD/NDLSO opined that these UUGLs should be maintained by LandsD after reinstatement. The unresolved maintenance responsibility of such areas (including trees and shrubs) shall be further discussed with LandsD in due course.
- Trees and planting areas proposed to be maintained by LCSD are summarized as follows

Proposed to be Maintained by LCSD*	New Trees (nr.)^	Planting areas (sq.m)
Already agreed in previous submissions (clouded in green)	550	approx. 149,216
Additional planting areas agreed on site for this submission (highlighted in light blue)	110	approx. 3,705
Total	660	152,921
Pending further advice (highlighted in crimson)	132	3,390
Additional planting areas declined by LCSD (highlighted in light green)	189	7,594
Remarks: *excluding new trees and planting areas along realigned Lin Ma Hang Road and at Chuk Yuen Village Resite Area. ^excluding retained and transplanted trees		

Due to the tight programme of this Project, your reply by 18 October 2019 is highly appreciated. Should you require further information, please feel free to contact our Senior Landscape Architect, Ms. Carol Leung, at 2171 3405 or Field Officer I, Mr. Clement Wong at 2171 3437.

Best Regards,

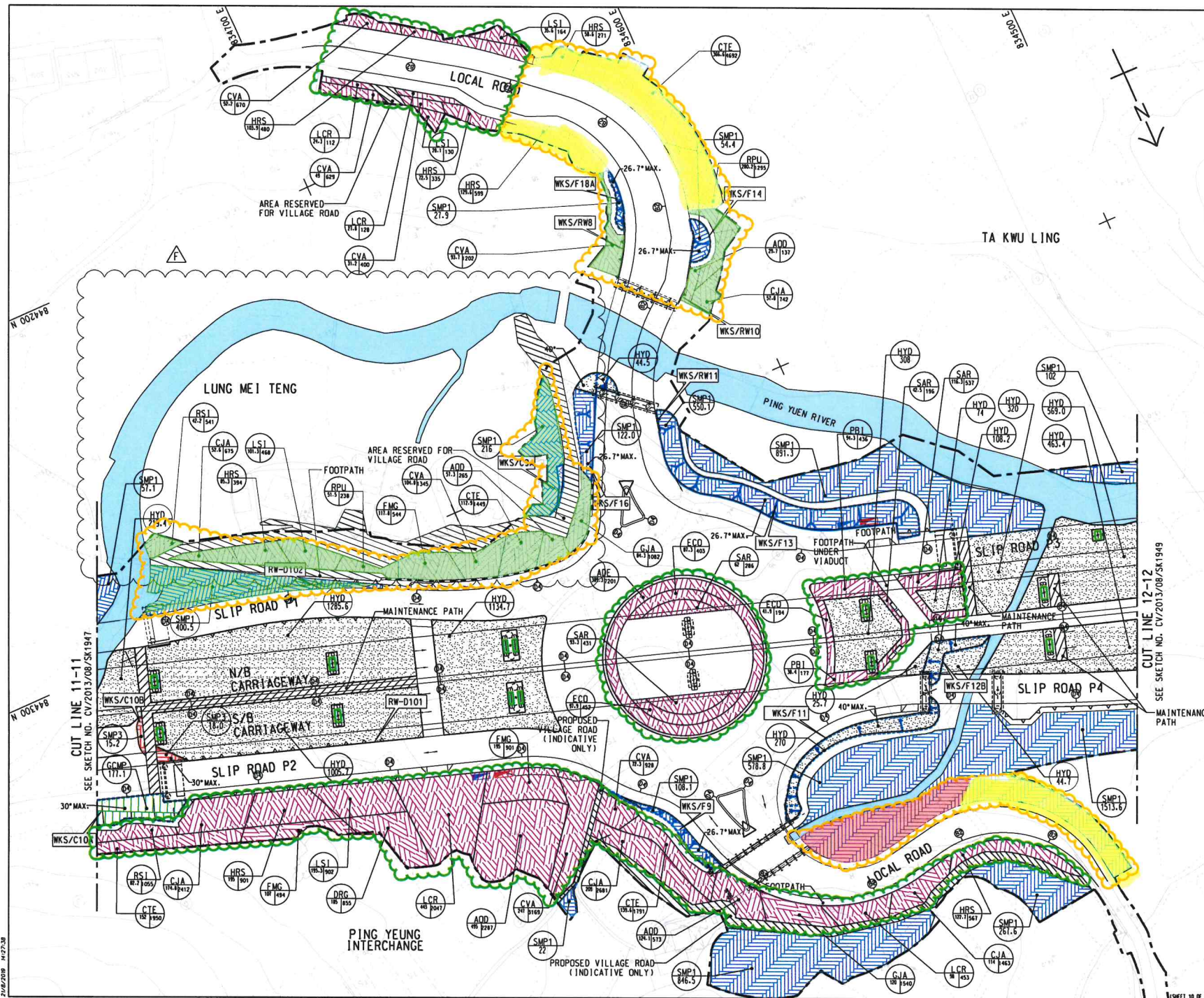
Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

[attachment "Attachment c.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment a1.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment a2.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment b.pdf" deleted by Karen KC NG/LCSD/HKSARG]

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.



- NOTE:
- FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1915.
- Proposed landscaped areas to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - LCSD/NDLSO would further advise their opinion on the maintenance responsibility
 - LCSD/NDLSO declined to take up the maintenance responsibility
 - Demarcation line (10m from the road kerb) -indicative only

REFERENCE:

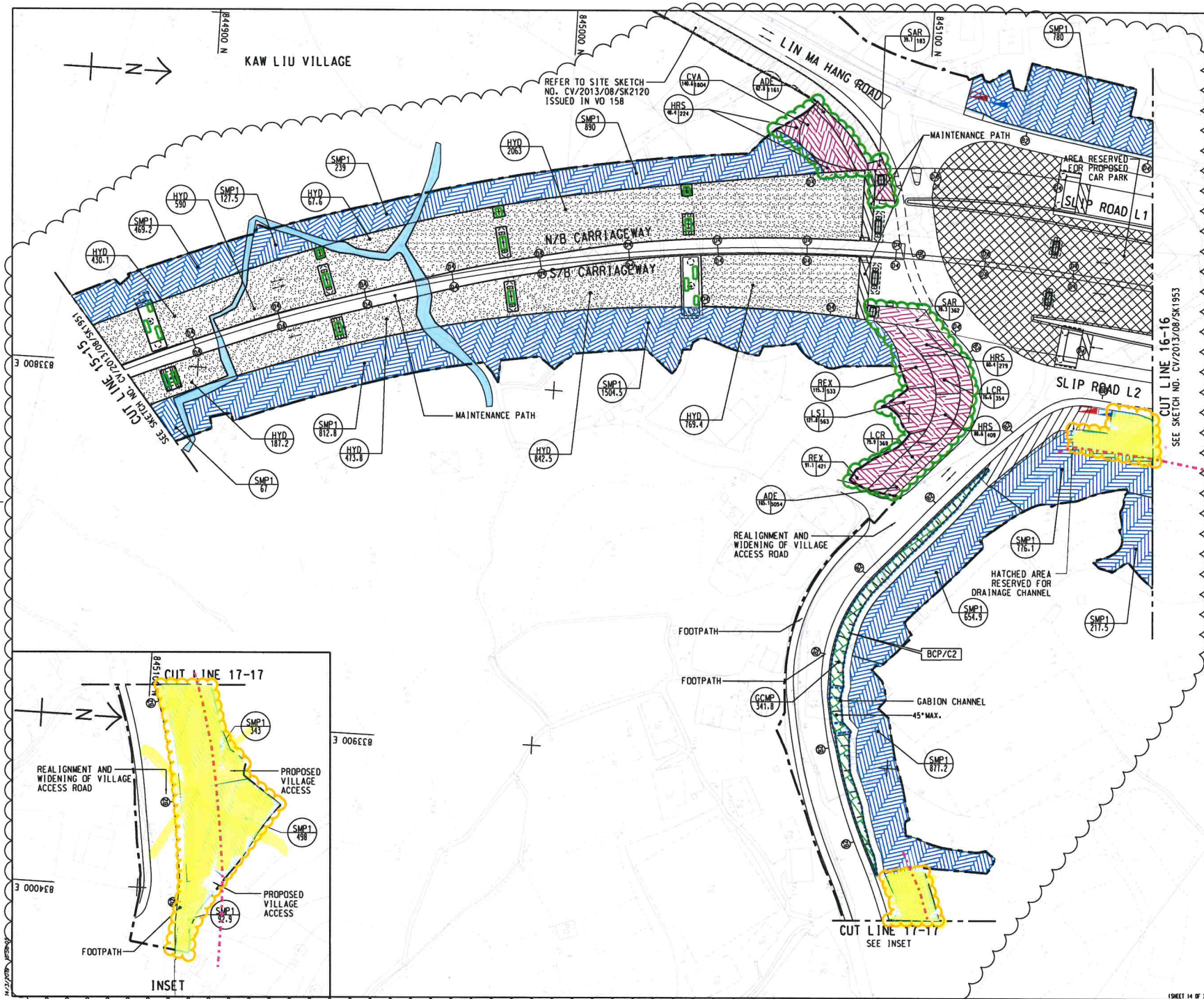
Rev.	Date	Description	Drawn	Prepared	Checked
F	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	10/01/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
D	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
C	22/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	16/01/19	ISSUE FOR CONSTRUCTION	JW	BWMS	CLSY
-	10/01/19	ISSUE FOR CONSTRUCTION	JW	BWMS	HLHS

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE:
SHRUB PLANTING PLAN

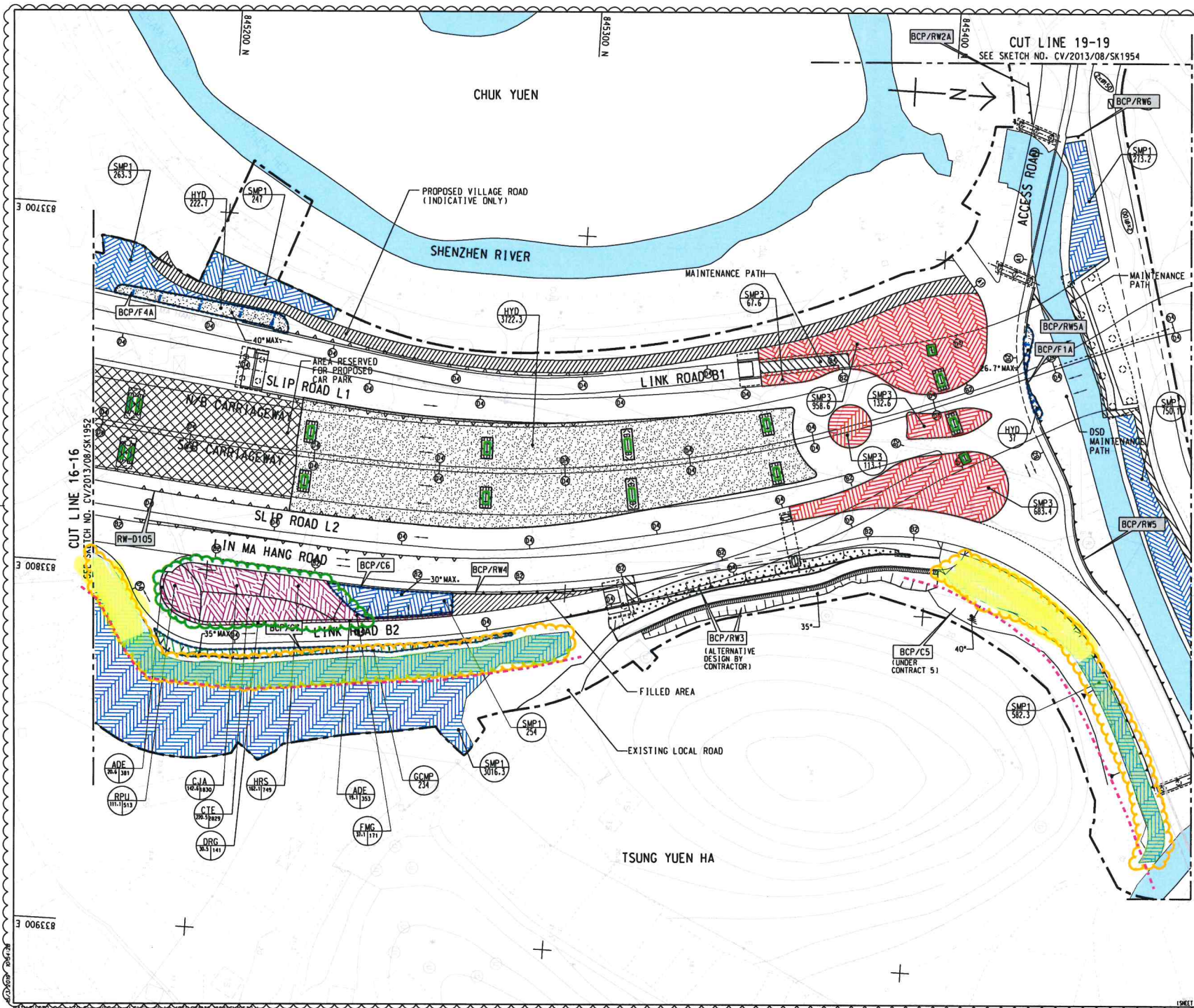
SKETCH NO. CV/2013/08/SK1948F SCALE 1:1000 (A3)



- NOTE:
- FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1915.
- Proposed landscaped areas to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - Demarcation line (10m from the road kerb) -indicative only

REFERENCE:				
D	10/01/19	ISSUE FOR CONSTRUCTION	LCP	TNTK CLSY
C	22/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK CLSY
B	20/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK CLSY
A	15/01/19	ISSUE FOR CONSTRUCTION	JW	BWWS CLSY
-	15/06/17	ISSUE FOR CONSTRUCTION	JW	BWWS HLHS
Rev.	Date	Description	Drawn	Prepared

AECOM				
CDD CONTRACT NO. CV/2013/08 LIANTANG/HUANG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6				
TITLE:				
SHRUB PLANTING PLAN				
SKETCH NO.	CV/2013/08/SK19520	SCALE	1:1000 (A3)	



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1953.

- Proposed landscaped areas to be maintained by LCSD/NDLSO
- Landscaped areas agreed to be maintained by LCSD/NDLSO
- Landscaped areas agreed to be maintained by LCSD/NDLSO
- LCSD/NDLSO declined to take up the maintenance responsibility
- Demarcation line (10m from the road kerb) - indicative only

REFERENCE:

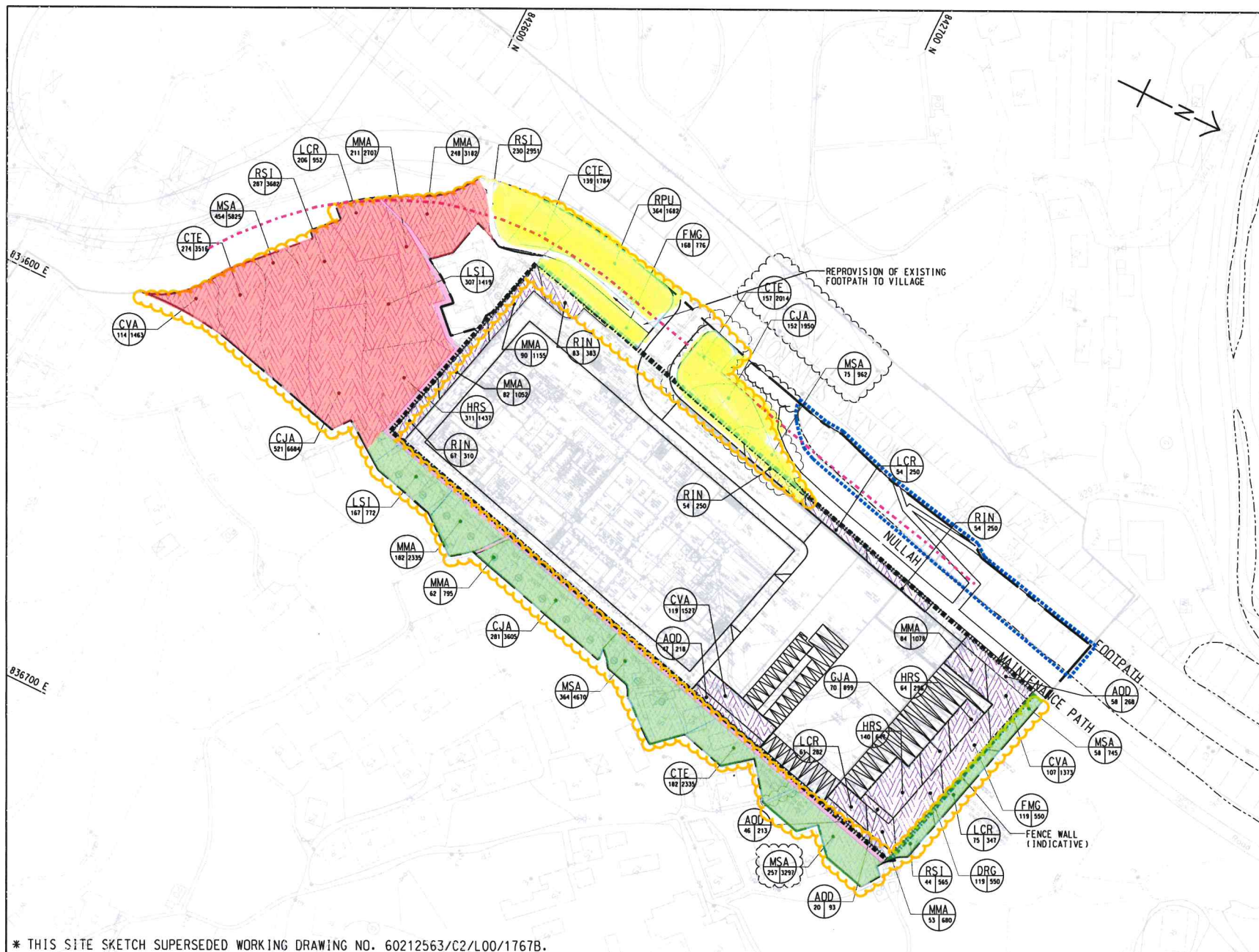
C	16/12/10	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
B	16/12/10	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	16/12/10	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	16/12/11	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
SHRUB PLANTING PLAN

SKETCH NO. CV/2013/08/SK1953C SCALE 1:1000 (A3)



- NOTE:**
- FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2012/08/R10/120/1314.
- Additional areas proposed to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - LCSD/NDLSO would further advise their opinion on the maintenance responsibility
 - LCSD/NDLSO declined to take up the maintenance responsibility
 - Demarcation line (10m from the road kerb) -indicative only

* THIS SITE SKETCH SUPERSEDED WORKING DRAWING NO. 60212563/C2/L00/1767B.

AECOM

CONTRACT NO. CV/2012/08
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 2

SHRUB PLANTING PLAN (SHEET 5 OF 6) - ADMINISTRATION BUILDING

SCALE	1:1000 ON A3	DATE	20-JUN-19
CHECKED	VL WK	DRAWN	CYK
JOB NO.	60212563/C2	SKETCH NO.	CV/2012/08/R10/120/1394
DOCUMENT REFERENCE NO.		REV	D

LEE Pui Shan

G 62729

A07
(Page 1 of 2)

From: pylu@cedd.gov.hk
Sent: Wednesday, 11 December 2019 3:20 PM
To: LEUNG Siu Yin, Carol
Cc: HO Ying Lun, Alan; Lam Shu, Albert; WONG Tin Lok, Clement; WONG Wing Kin, Gilbert; LING Yun, Julian; YUE Chung Man, Louis; NG Nga Tat, Owen; TAM Tsz Him, Ray; SZE Siu Ching, Sandy; Lo Chi Fai, Steve; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky
Subject: Re: updated unresolved landscape maintenance issues on 28 November 2019

Dear Carol,

As spoken last week and today. Please be advised that Landscape Division/HyD via his email dated 28 Nov 2019 has agreed to take up the maintenance responsibility of vegetation on the lowest batter of slopes.

Please follow up with LD/HyD for handover.

Thanks & Regards!

LU Pei-yu
SE/1(N)
NDO, CEDD
Tel No. 3547 1630
Fax No. 3547 1659

Subject: Landscape Matters PDF

A07
(Page 2 of 2)

Dear Carol,

Attached please find "Landscape Matters" pdf for your use.
The same are saved under below link:

[Q:\Landscape\Landscape - General\General\Maintenance Demarcation Plan for soft landscape works\20191127 unresolved matter for CEDD](#)

Thank you.

Regards,

Vicky Lam
Assistant Resident Architect

Liantang/ Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.
Tel: 2171 3439

[附件檔 "Landscape matters PPT(low res.).pdf" 已被 PEI YU LU/CEDD/HKSARG 刪除]

From: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>
To: "pylu@cedd.gov.hk" <pylu@cedd.gov.hk>, "Lo Chi Fai, Steve" <stevelo@cedd.gov.hk>,
Cc: "Lam Shu, Albert" <albertlam@cedd.gov.hk>, "LING Yun, Julian" <julian.ling@lt-aecom.com>, "HO Ying Lun, Alan" <alan.ho@lt-aecom.com>, "NG Nga Tat, Owen" <owen.ng@lt-aecom.com>, "WONG Wing Kin, Gilbert" <gilbert.wong@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "LAM Wing Ki, Vicky" <vicky.lam@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "YUE Chung Man, Louis" <louis.yue@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>
Date: 29/11/2019 15:40
Subject: updated unresolved landscape maintenance issues on 28 November 2019

Dear PY,
Further to Wednesday's Monthly Progress Meeting, please find a set of updated unresolved landscape maintenance issues for your reference.

Thanks!
Carol
21713405/63215017

From: LAM Wing Ki, Vicky
Sent: Friday, November 29, 2019 3:17 PM
To: LEUNG Siu Yin, Carol
Cc: NGO Tsz Kei, Twiggy

本署檔號
來函檔號
電話
圖文傳真

Our Ref: TD TPM/151/123/8C
Your Ref: (CV/2013/08)/C55/200/(H10017)
Tel: 3842 5892
Fax: 2519 8094

Post and Fax (2251 0698)

5 July 2019

Mr Owen NG
Senior Resident Engineer
AECOM Asia Co. Ltd.
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

Dear Mr NG,

**Proposed Maintenance Responsibility of the Soft Landscape Works in
Viaduct Planters, Ventilation Buildings and Administration Building on
Heung Yuen Wai Highway (“HYWH”)**

I refer to your letter dated 26 June 2019 on the subject.

Same as the other government tunnels, the Lung Shan Tunnel and Cheung Shan Tunnel (collectively as the “Tunnels”) are treated as “unleased/unallocated government land” (“UUGL”) which are not specifically managed by a single government department. On behalf of the Government, the **Transport Department (“TD”) engaged a “Management, Operation and Maintenance” (“MOM”) contractor for carrying out daily operation and non-structural maintenance of the Tunnels.** The TD monitors the operating performance of the MOM contractor for maintaining a safe and smooth traffic, while the management maintenance responsibilities amongst relevant government departments are stipulated in the Clause 55 and Schedule XVIII of the MOM Agreement. The draft MOM Agreement (including Schedule XVIII) had been circulated to the concerned Government departments before finalization and executed. The extract of Clause 55 and Schedule XVIII are at **Annex 1**.

In accordance with Schedule XVIII of the MOM Agreement, Civil Engineering and Development Department or agent(s) appointed by the Government is responsible for the management and maintenance of the soft landscape in Administration Building and Ventilation Building in the first year after commencement of the MOM Agreement (i.e. from 19 May 2019 to 18 May 2020), while Highways Department (Landscape Unit) is responsible for the management and maintenance of the soft landscape on open roads including the viaducts. The Clause 26 of the MOM Agreement also stipulate that, from the second year after commencement of the MOM Agreement onwards (i.e. from 19 May 2020), or at such a later date as advised by the Government, **the MOM contractor shall carry out horticultural maintenance for the vegetation areas of the Administration Building and Ventilation Buildings as set out in Schedule XXIV of the MOM Agreement** in accordance with the maintenance manual to be provided by the Government’s contractor and “Guidelines for Tree Risk Assessment and Management Arrangement” issued by the Development Bureau, with the duty of the MOM contractor as listed below:

- (a) Grass-cutting and pruning of trees and shrubs;
- (b) Watering of trees and shrubs to maintain healthy plant growth;
- (c) Undertake routine tree inspection and tree risk assessment; and
- (d) Litter picking and weeding of the lawn and plating area.

The extract of Clause 26 and Schedule XXIV are at **Annex 2**.

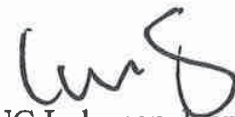
Moreover, you may wish to note that item 3(k) in Appendix A of the Development Bureau’s Technical Circular (Works) No. 6/2015 (the “Technical Circular”) refers to the landscape areas “along access roads or footpaths which are solely used by a department”, which should then be maintained by the user department. The viaducts are not solely used by the TD given other government departments are still responsible for pavement and lighting repairs, etc. Therefore, item 3(k) in the Technical Circular is not consider an appropriate reference in HYWH’s case.

In the light of the above, we have strong reservation to your proposal in the last paragraph on page 2 of the above-mentioned letter from your Company. You are requested to further liaise with other relevant government departments for the

vegetation maintenance responsibilities as stated in the above paragraphs, while we shall seek assistance from the Highways Department (Landscape Unit) for providing expertise advice for monitoring the MOM contractor's performance on horticultural maintenance on vegetation areas of the Administration Building and Ventilation Buildings as required in the MOM Agreement.

I hope the above clearly clarify the views of the TD on this issue. Should you need further clarification, please contact the undersigned at 3842 5892.

Yours faithfully,



(YEUNG Lok-man, Icarus)
for Commissioner for Transport

c.c.

External

Director of Civil Engineering and Development

(Attn: Mr Steve C F LO) - By fax: 3547 1659

Director of Highways

(Attn: Mr Bryan Y F CHONG) - By fax: 3526 0154

(Attn: Ms Sandy T F CHAN) - By fax: 2310 8438

Internal

CMP }

CTM2 } Please note in file

TTM8 }

E/IP1 - By fax: 2381 3799

Annex 1

Extract of Clause 55 and Schedule XVIII of MOM Agreement of the Tunnels

55. Management and Maintenance Responsibilities

55.1 Subject to and without prejudice to and without limiting the obligations of the Operator under this Agreement, unless otherwise provided in this Agreement, the Government shall take up the maintenance of the Tunnel Structures, roads, lightings, installations, facilities, appliances, drains, mains and water pipes (except the water mains, hydrant outlets and sprinkler heads, etc. which form part of the fire services installation of the Tunnels, which will be maintained by the Operator) within the Tunnels in accordance with Schedule XVIII subject to the prompt report to the Government of any defect and want of repair by the Operator under Clauses 55.2 and 55.5.

55.2 Without prejudice to Schedules II and III, the Operator shall carry out regular inspections of the Tunnels including Tunnel Structures, roads, lightings, installations, facilities, appliances, systems, hard and soft landscape, drains, mains, water pipes and fire hydrants mentioned in Schedule XVIII from time to time to ascertain the state of repair and condition of the same, and to report promptly in writing any material defect or want of repair to the Government Departments or agencies responsible for remedying or repairing the same as set out in Schedule XVIII.

55.3 Upon request by the Highways Department or Architectural Services Department, the Operator shall submit the inspection programme and inspection method to the respective departments for approval within such timeframe as may be determined by the departments from time to time.

55.4 In the event of any repair or maintenance work under the responsibility of the Government being necessitated by the negligence of or misuse by the Operator, its employees, its servant or agent or sub-contractors, the Operator shall pay to the Government all costs of such maintenance or repair works plus an administrative charge incurred by the Government.

55.5 In the event of any property damage caused to the Tunnel Structures, roads, lightings, installations, facilities, appliances, drains, mains, water pipes and fire hydrants within the Tunnels as listed in Schedule XVIII, by traffic accident or other causes, the Operator shall immediately report the accident to the Commissioner and Commissioner of Police. The Operator shall use its reasonable endeavour to assist the Government to recover the cost of repair from the responsible party when necessary. For the avoidance of doubt, the Government's obligations to carry out any repair or remedy works of the Tunnels under this Agreement shall not arise unless and until the Government receives written notifications of any defect or need of repair from the Operator.

55.6 The Operator shall coordinate and make appropriate traffic or other arrangements with and for the Government departments and agencies specified in Schedule XVIII to ensure that any necessary repair, maintenance and servicing works falling within their respective scope of responsibilities are carried out with the least disruption or inconvenience to the efficient passage of vehicular traffic within the Tunnel Area.

Schedule XVIII

Government's Maintenance Responsibilities

Item of Work	Responsible Government Department
A. Civil Works	
1. General maintenance of the Tunnels (civil works) and structure of Tunnel tubes (e.g. concrete lining for bored tunnels, box structure for cut-and-cover tunnels) including all associated substructures such as piling	Highways Department (NT Region)
2. General maintenance of Government-owned highway structures, including but not limited to roads, viaducts, footpath, paved area, noise barrier, drains and standard signs, gantry signs and road markings not included in Schedules II, III and VII	Highways Department (NT Region)
3. Drainage and sewerage facilities (including sewage mains and stormwater mains inside tunnel tubes)	Drainage Services Department / Highways Department
4. Civil provision for TCSS and CCTV system (including high mast footing, pole base, underground cable ducting and cable draw pits, etc.)	Highways Department (NT Region)
B. Public Lighting	
1. Road lighting and street lighting excluding the lighting mentioned in Schedules II, III and VII	Highways Department (Lighting Division)
C. Buildings and Structures (Including structural maintenance, civil works and painting)	
1. Administration Building	Architectural Services Department or agents appointed by the Government
2. Ventilation Buildings	Highways Department (NT Region)
3. Portal structures (e.g. control kiosks)	Highways Department (NT Region)
4. Fuel attendance office adjacent to the Administration Building	Architectural Services Department or agents appointed by the Government
5. Canopy of parking area adjacent to the Administration Building	Architectural Services Department or agents appointed by the Government

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Item of Work	Responsible Government Department
6. Security fence or boundary wall of Ventilation Buildings	Highways Department (NT Region)
7. Boundary wall of Administration Building	Architectural Services Department or agents appointed by the Government
D. Fire mains and Fire Hydrants	
1. On roads and viaducts of open area	Highways Department (NT Region) / Water Services Department
E. Water mains	
1. Within the Tunnel Area (except Administration Buildings)	Highways Department (NT Region) / Water Services Department
2. Within Administration Building	Architectural Services Department or agents appointed by the Government
F. Cleansing	
1. Road drains and culverts	Highways Department (NT Region)
2. Road surface on roads and viaducts of open area	Highways Department (NT Region)
G. Building Services Installations	
1. Exclusive drainage, sewerage and water supply system (except fire service system) of the Administration Building, fuel attendance office and carpark canopy structures including pipes and manholes (excluding cleansing)	Architectural Services Department or agents appointed by the Government
2. Drainage systems in open area, exclusive drainage and sewage systems (including sewage holding tanks, sewage manholes and associated pipes at ground levels within building) of the buildings (other than Administration Building) (excluding cleansing)	Highways Department (NT Region)
H. Miscellaneous	
1. Hard landscape (e.g. planters) on roads and viaducts of open area	Highways Department (NT Region)

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Item of Work	Responsible Government Department
2. Soft landscape on open roads including viaducts	Highways Department (Landscape Unit)
3. Soft landscape in the Administration Building and Ventilation Buildings (First Contract Year)	Civil Engineering and Development Department or agents appointed by the Government
4. Exclusive Police Communication System	Hong Kong Police Force

Annex 2

Extract of Clause 26 and Schedule XXIV of MOM Agreement of the Tunnels

26. Horticultural Maintenance

26.1 From the second (2nd) Contract Year onwards or at such a later date as advised by the Government, the Operator shall carry out horticultural maintenance for the vegetation areas of the Administration Building and Ventilation Buildings as set out in Schedule XXIV in accordance with the maintenance manual to be provided by the Government's contractor and "Guidelines for Tree Risk Assessment & Management Arrangement" issued by Development Bureau. The areas of vegetation in Schedule XXIV shall be verified and updated jointly by the Government and the Operator prior to the Commencement Date. The duty will generally include:

- (a) grass-cutting and pruning of trees and shrubs;
- (b) watering of trees and shrubs to maintain healthy plant growth;
- (c) undertake routine tree inspection and tree risk assessment; and
- (d) litter picking and weeding of the lawn and planting area.

26.2 Should the Operator fail to effect any horticultural maintenance works in accordance with this Clause, the Government may engage its workmen, other contractors or agents to execute such maintenance works. The Operator shall pay the Government within seven (7) days of the first written demand of the Government, the costs of performing such maintenance works plus an administrative charge incurred by the Government.

Schedule XXIV

Vegetation Areas of the Administration Building and Ventilation Buildings

Location		Vegetation Areas (m ²)							Total
		G/F	1/F	2/F	3/F	4/F	5/F	Roof Floor	
Administration Building		1,483	105.2	--	--	--	--	1,756.6	3,344.8
Lung Shan Tunnel	South Ventilation Building	--	--	442.1	35.4	19.6	14.4	341.1	852.6
	Mid Ventilation Building	--	--	123.3	79.5	--	--	622.3	825.1
	North Ventilation Building	--	--	468.8	24.2	24.2	22.2	517.1	1,056.5
Cheung Shan Tunnel	South Ventilation Building	--	--	445.4	52.1	5.4	5.4	557.8	1,066.1
	North Ventilation Building	--	--	445.4	52.1	5.4	5.4	557.8	1,066.1

The areas of vegetation indicated in this Schedule are to be verified and updated jointly by relevant Government Departments and the Operator during the handover of the vegetation areas of Administration Building and the ventilation buildings.

Urgent by Fax

MEMO

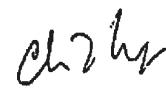
From	CLA /Landscape Division, HyD	To	NDO, CEDD
Ref. (66EZ)	In HyD LSC/14-7/10/2	(Attn. :	Mr. Joe IP or Mr. P.Y. LU
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email.	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	26 February 2019	Total Pages	1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures).- Design and Construction

Contract 3 – Contract No. CV/2012/09

Responses to Comments on Proposed Soft Landscape Works (Third Submission)

I refer to the submission with drawings, responses-to-comments and supporting documents under the Consultant – AECOM Asia Co. Ltd.'s letter ref. LYL:cm:60212563/C3/C10/100-2019001115W dated 8.2.2019 (received on 12.2.2019) addressed to us and copied to others. Please note that I have no further comment from the highways landscape and vegetation maintenance point of view.


(CHAN Tai-fung Sandy)
for Chief Landscape Architect
Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG [PC1/CB1] Fax: 2714 5228 ,
MWPMO, HyD Attn.: Mr. Allen LEUNG [E3/Tolo] Fax: 2714 5289 ,
AECOM Attn.: Ms. Elaine LAM Fax: 3922 9797

Internal
SLA/VM(NT) SLA/VM(S) LA/VM(HSR) LA/VM(NTE) LA/D(MW/NT)1 via EDMS

YTC/SC/sc



A10
Page 1 of 1

Urgent by Fax

MEMO

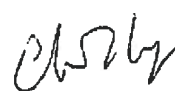
From CLA /Landscape Division, HyD	To NDO, CEDD
Ref. (6AJ6) in HyD LSC/14-7/10/2	(Attn. :) Mr. Joe YIP or Mr. P.Y. LU
Tel. No. 3903 6658	Your Ref.
Fax. No. 2310 8438	Dated
Email. ladnte.lsc@hyd.gov.hk	Fax No. 3547 1659
Date 29 May 2019	Total Pages 1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction

Contract 3 – Contract No. CV/2012/09

Additional Soft Landscape Works for Slope Nos. FL/F8 and FL/F10
Adjacent to Tai Wo Service Road East

I refer to the submission from the Consultant – AECOM Asia Co. Ltd. under letter ref. LYL:ccm:60212563/C3/C10/100-2019005148W dated 20.5.2019 (received on 23.5.2019) addressed to us and copied to others. Please note that I have no further comment from the highways landscape and vegetation maintenance point of view.


 (CHAN Tai-fung Sandy)
 for Chief Landscape Architect
 Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG [PC/CB1]
 AECOM Attn.: Ms. Elaine LAM

Fax: 2714 5228
 Fax: 3922 9797

Internal
 SLA/VM(S) LA/VM(NTE) via EDMS

YTC/SC/sc


WOO Man Chi, Manchi

C 30236

A11
Page 1 of 1

From: WONG Wai Shing, Benny
Sent: 05 July 2018 09:23
To: WOO Man Chi, Manchi
Cc: WONG Tin Lok, Clement; TAM Tsz Him, Ray
Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Manchi,

Please file LCSD's comments. Thanks!

Regards,
 Benny, LA
 2171 3412/6321 5018

From: Phoenix WY LO [mailto:pwyl@lcsd.gov.hk]
Sent: Thursday, June 21, 2018 6:34 PM
To: WONG Wai Shing, Benny <benny.wong@lt-aecom.com>
Cc: Eddie KS CHAN <ekschan@lcsd.gov.hk>; Brian YM WONG <bymwong@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>; Elsa C TSENG <ectseeng@lcsd.gov.hk>; SM FUNG <smfung@lcsd.gov.hk>
Subject: Re: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Benny,

Please find our comments below.

From tree management angle
 No further comment.

From landscape angle
 We have no objection to the revised planting proposal.

From district management angle
 Replacement proposal of Dicranopteris pedata (芒萁) is acceptable for us.

Regards,
 Phoenix LO
 EO(Planning)7/ LCSD
 Tel: 2601 8047
 Fax: 2695 3886

From: "WONG Wai Shing, Benny" <benny.wong@lt-aecom.com>
To: Phoenix WY LO <pwyl@lcsd.gov.hk>
Cc: Eric CH CHAN <echochan@lcsd.gov.hk>; "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>; "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
Date: 26/03/2018 16:00

CHENG Ching Yee, Cherry

From: Yan YY HO <yayyho@lcsd.gov.hk>
Sent: Friday, June 21, 2019 11:42 AM
To: NGO Tsz Kei, Twiggy
Cc: Anthony KW WONG; SM FUNG; Elsa C TSENG; Eric CH CHAN; Maggie PL YUNG; Ken PK LAM; WH CHUNG; Phoenix WY LO; Eddie KS CHAN
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to my preceding email, please find our additional comments below:

From landscape management angle

Please note that we have no further comment on the planting proposal.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374
----- Forwarded by Yan YY HO/LCSD/HKSARG on 21/06/2019 11:38 -----

From: Yan YY HO/LCSD/HKSARG
To: twiggy.ngo@lt-aecom.com
Cc: Anthony KW WONG/LCSD/HKSARG@LCSD, SM FUNG/LCSD/HKSARG@LCSD, Elsa C TSENG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Maggie PL YUNG/LCSD/HKSARG@LCSD, Ken PK LAM/LCSD/HKSARG@LCSD, WH CHUNG/LCSD/HKSARG@LCSD, Phoenix WY LO/LCSD/HKSARG@LCSD, Eddie KS CHAN/LCSD/HKSARG@LCSD
Date: 20/06/2019 15:42
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to my preceding email, please find our additional comments below:

From district management angle

The planting proposal of the shrubs is acceptable for us. Please remind the works department that the water points/irrigation system should be handed over to our maintenance agent (ArchSD/EMSD) upon completion work for their maintenance in future. Meanwhile, U-channel and E1 kerbs should be taken over by the relevant departments for maintenance as well. Thank you.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374
----- Forwarded by Yan YY HO/LCSD/HKSARG on 20/06/2019 15:35 -----

From: Yan YY HO/LCSD/HKSARG
To: twiggy.ngo@lt-aecom.com
Cc: Anthony KW WONG/LCSD/HKSARG@LCSD, SM FUNG/LCSD/HKSARG@LCSD, Elsa C TSENG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Maggie PL YUNG/LCSD/HKSARG@LCSD, Ken PK LAM/LCSD/HKSARG@LCSD, WH CHUNG/LCSD/HKSARG@LCSD, Phoenix WY LO/LCSD/HKSARG@LCSD, Eddie KS CHAN/LCSD/HKSARG@LCSD
Date: 19/06/2019 11:36
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to your email dated 6 June 2019 on the captioned subject. Please find our comments as below:

From district management angle

This office has no comment on the proposed arrangement in view of shrubs management. Please be advised that access road should be provided as appropriate on the proposed landscape area to facilitate our vegetation maintenance. For the additional landscape area, the detail of the proposed species of shrubs should be sought our comment.

From tree management angle

We have no adverse comment on the proposed trees at the additional landscape area along Tai Wo Service Road East. However, as there will be shrubs planting, please ensure sufficient clearance (at least 300mm) should be provided around the trunk base area in order not to affect our tree inspection work.

From landscape management angle

We have no comment at this stage and our comment will be provided when detailed landscape plan is available.

Thank you.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "pwlyo@lcsd.gov.hk" <pwlyo@lcsd.gov.hk>
Cc: "smfung@lcsd.gov.hk" <smfung@lcsd.gov.hk>, "mplyung@lcsd.gov.hk" <mplyung@lcsd.gov.hk>, "echochan@lcsd.gov.hk" <echochan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>, "LING Yun, Julian" <julian.ling@lt-aecom.com>, "YAU Ngok, Weaven" <weaven.yau@lt-aecom.com>
Date: 06/06/2019 14:09
Subject: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Ms. Lo,

In view of the agreement made between the Cross Boundary Maintenance Section of HyD and CEDD on 28 March 2019 (see **Encl. A**) regarding the maintenance responsibility of the Realigned Tai Wo Service Road East (TWSRE), please be notified that NT/HyD had agreed to take up the maintenance of TWSRE. We therefore propose to hand over the roadside landscape areas (approx. 1670m², see **Encl. B**) along the TWSRE in accordance with the Appendix A of *Technical Circular (Works) No. 6/2015* (see **Encl. C**), for your future maintenance.

Please find a set of *Proposed Additional Soft Landscape Area along Tai Wo Service Road East* in **Encl. D** and a set of *Proposed Maintenance Demarcation Plans for Soft Landscape Works* in **Encl. E** for your consideration and approval.

We confirm that this proposal is fully complied with the requirement listed in the *"General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance"*, promulgated by LCSD in May 2018. In which, 360m of continuous physical demarcations (U-channel and E1 Kerbs) will be provided to clearly delineate the LCSD landscape area from other planting areas; and, adequate lockable water points will also be provided for your maintenance use (locations of water points are for reference only and should subject to WSD approval). On the other hand, sufficient Recurrent Cost (RC) will be allocated for your future maintenance.

Due to the tight programme for completion of the landscape softworks, we would be grateful to receive your reply before 21 June 2019. Should you have any queries, please feel free to contact myself or my Senior Resident Landscape Architect, Ms. Carol Leung, at 2171 3405.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412
[附件檔 "Encl E.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl A.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除]
[附件檔 "Encl B.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl C.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除]
[附件檔 "Encl D.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除]

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

From: Yan YY HO
To: NGO Tsz Kei, Twiggy
Cc: Maggie PL YUNG; SM FUNG; Eric CH CHAN; Anthony KW WONG; Elsa C TSENG; WH CHUNG; Ken PK LAM; Phoenix WY LO; Eddie KS CHAN
Subject: 轉寄: RE: Agreement No. CE 38/2010 (CE) Liantang/HYW Boundary Countrol Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East - Additional information 2
Date: Monday, 08 July, 2019 5:49:04 PM

Dear Twiggy,

I refer to your email below. Please find our comments below:

From district management angle
This office has no objection on the R to C. No further comment please. Thanks.

From tree management angle
No comment from NTETT, please.

From landscape management angle
Nil return from Landscape Sub-section, please.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374
----- Forwarded by Yan YY HO/LCSD/HKSARG on 08/07/2019 17:44 -----

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: Yan YY HO <yayyho@lcsd.gov.hk>
Cc: Eric CH CHAN <echochan@lcsd.gov.hk>, Anthony KW WONG <akwwong@lcsd.gov.hk>, Ken PK LAM <kpklam@lcsd.gov.hk>, WH CHUNG <whchung@lcsd.gov.hk>, Elsa C TSENG <ectseng@lcsd.gov.hk>, Maggie PL YUNG <mplyung@lcsd.gov.hk>, SM FUNG <smfung@lcsd.gov.hk>, Phoenix WY LO <pwyl@lcsd.gov.hk>, Eddie KS CHAN <ekschan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>
Date: 08/07/2019 16:56
Subject: RE: Agreement No. CE 38/2010 (CE) Liantang/HYW Boundary Countrol Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East - Additional information

Dear Yan,

Thank you for your comment, please find our response as follows:

Comments	Response
<u>From district management angle</u> Refer to the drawing no. CV/2012/09/R10/120/2199, this office would like to change the species of Hibiscus rosa-sinensis 'Orange' to "Rhododendron pulchrum". For the additional landscaping area, the work department should provide clear demarcation to delineate the landscaped area on-site where would be handed over to LCSD. Moreover, appropriate access road should be provided for our easy maintenance.	Please be noted that the species, <i>Hibiscus rosa-sinensis</i> 'Orange', in drawing no. CV/2012/09/R10/120/2199 had been agreed by your office in the email dated 20 June 2019 (see attached "Email dd 20190620.pdf"). There is contractual implication to change the <i>Hibiscus rosa-sinensis</i> 'Orange' to <i>Rhododendron pulchrum</i> at this moment because the planting materials had been procured and the planting works would be commenced very soon.

Please seek TTNTE's comment in matter of trees.	However, it is possible to change the proposed <i>Hibiscus rosa-sinensis</i> 'Orange' to <i>Rhododendron pulchrum</i> , which is shown in drawing no. CV/2012/09/R10/120/2232A in "Encl.D_rev.1". Since the proposed shrubs in the subject planting area is not procured at this moment. We confirm that clear demarcation would be provided to delineate the landscaped area on site for LCSD's future maintenance; and appropriate access road (the footpath along TWSRE) is also provided your easy maintenance. The proposal was also sent to TTNTE for their comment and they had provided no adverse comment in their reply.
<u>From tree management angle</u> We have no adverse comment, please.	Noted.
<u>From landscape management angle</u> Please register a nil return from Landscape Sub-section.	Noted.

Due to the tight programme for completion of the landscape softworks, we would be grateful to receive your reply before 12 July 2019. Should you have any queries, please feel free to contact myself or my Senior Resident Landscape Architect, Ms. Carol Leung, at 2171 3405.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

From: Yan YY HO [<mailto:yayyho@lcsd.gov.hk>]
Sent: Monday, 08 July, 2019 3:06 PM
To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>
Cc: Eric CH CHAN <echochan@lcsd.gov.hk>; Anthony KW WONG <akwwong@lcsd.gov.hk>; Ken PK LAM <kpklam@lcsd.gov.hk>; WH CHUNG <whchung@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; Maggie PL YUNG <mplyung@lcsd.gov.hk>; SM FUNG <smfung@lcsd.gov.hk>; Phoenix WY LO <pwlyo@lcsd.gov.hk>; Eddie KS CHAN <ekschan@lcsd.gov.hk>
Subject: RE: Agreement No. CE 38/2010 (CE) Liantang/HYW Boundary Countrol Point and Associated Works

(C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East - Additional information

Dear Twiggy,

I refer to your email below. Please find our comments below:

From district management angle
Refer to the drawing no. CV/2012/09/R10/120/2199, this office would like to change the speices of Hibiscus rosa-sinensis 'Orange' to "Rhododendron pulchrum".

For the additional landscaping area, the work department should provide clear demarcation to delineate the landscaped area on-site where would be handed over to LCSD. Moreover, appropriate access road should be provided for our easy maintenance. Please seek TTNTE's comment in matter of trees.

From tree management angle
We have no adverse comment, please.

From landscape management angle
Please register a nil return from Landscape Sub-section.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: Yan YY HO <yayyho@lcsd.gov.hk>
Cc: Anthony KW WONG <akwwong@lcsd.gov.hk>, SM FUNG <smfung@lcsd.gov.hk>, Elsa C TSENG <ectseng@lcsd.gov.hk>, Eric CH CHAN <echochan@lcsd.gov.hk>, Maggie PL YUNG <mplyung@lcsd.gov.hk>, Ken PK LAM <kpklam@lcsd.gov.hk>, "WH CHUNG" <whchung@lcsd.gov.hk>, Phoenix WY LO <pwlyo@lcsd.gov.hk>, Eddie KS CHAN <ekschan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>, "YAU Ngok, Weaven" <weaven.yau@lt-aecom.com>, "LING Yun, Julian" <julian.ling@lt-aecom.com>
Date: 28/06/2019 14:17
Subject: RE: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Yan,

First of all, thank you very much for your approval to our previous proposal.

Please note that few drawings were not attached in our last proposal dated 6 June 2019. For ease of clarify, we hereby enclose a location plan showing the missing planting area in **Encl A**, a full set of *Proposed Additional Soft Landscape Area along Tai Wo Service Road East* in **Encl B**; and a set of *Proposed Maintenance Demarcation Plans for Soft Landscape Works* in **Encl C**, for your further review and acceptance.

We again confirm that this proposal is fully complied with the requirement listed in the “General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance”, promulgated by LCSD in May 2018. In which, 63m of continuous physical demarcations (E1 Kerbs, to be maintained by HyD) will be provided to clearly delineate the LCSD landscape area from other planting areas; and, adequate lockable water points (maintenance agent to be identified) will also be provided for your maintenance use (locations of water points are for reference only and should subject to WSD approval). On the other hand, sufficient Recurrent Cost (RC) will be allocated for your future maintenance.

Due to the tight programme for completion of the landscape softworks, we would be grateful to receive your reply before 3 July 2019. Should you have any queries, please feel free to contact myself or my Senior Resident Landscape Architect, Ms. Carol Leung, at 2171 3405.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

From: Yan YY HO [<mailto:yayyho@lcsd.gov.hk>]
Sent: Friday, 21 June, 2019 11:42 AM
To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>
Cc: Anthony KW WONG <akwwong@lcsd.gov.hk>; SM FUNG <smfung@lcsd.gov.hk>; Elsa C TSENG <ectsensg@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>; Maggie PL YUNG <mplyung@lcsd.gov.hk>; Ken PK LAM <kpklam@lcsd.gov.hk>; WH CHUNG <whchung@lcsd.gov.hk>; Phoenix WY LO <pwvylo@lcsd.gov.hk>; Eddie KS CHAN <ekschan@lcsd.gov.hk>
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to my preceding email, please find our additional comments below:

From landscape management angle

Please note that we have no further comment on the planting proposal.

Best regards,

Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

----- Forwarded by Yan YY HO/LCSD/HKSARG on 21/06/2019 11:38 -----

From: Yan YY HO/LCSD/HKSARG
To: twiggy.ngo@lt-aecom.com
Cc: Anthony KW WONG/LCSD/HKSARG@LCSD, SM FUNG/LCSD/HKSARG@LCSD, Elsa C TSENG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Maggie PL YUNG/LCSD/HKSARG@LCSD, Ken PK LAM/LCSD/HKSARG@LCSD, WH CHUNG/LCSD/HKSARG@LCSD, Phoenix WY LO/LCSD/HKSARG@LCSD, Eddie KS CHAN/LCSD/HKSARG@LCSD
Date: 20/06/2019 15:42
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to my preceding email, please find our additional comments below:

From district management angle

The planting proposal of the shrubs is acceptable for us. Please remind the works department that the water points/irrigation system should be handed over to our maintenance agent (ArchSD/EMSD) upon completion work for their maintenance in future. Meanwhile, U-channel and E1 kerbs should be taken over by the relevant departments for maintenance as well. Thank you.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

----- Forwarded by Yan YY HO/LCSD/HKSARG on 20/06/2019 15:35 -----

From: Yan YY HO/LCSD/HKSARG
To: twiggy.ngo@lt-aecom.com
Cc: Anthony KW WONG/LCSD/HKSARG@LCSD, SM FUNG/LCSD/HKSARG@LCSD, Elsa C TSENG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Maggie PL YUNG/LCSD/HKSARG@LCSD, Ken PK LAM/LCSD/HKSARG@LCSD, WH CHUNG/LCSD/HKSARG@LCSD, Phoenix WY LO/LCSD/HKSARG@LCSD, Eddie KS CHAN/LCSD/HKSARG@LCSD
Date: 19/06/2019 11:36
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to your email dated 6 June 2019 on the captioned subject. Please find our comments as below:

From district management angle

This office has no comment on the proposed arrangement in view of shrubs management. Please be advised that access road should be provided as appropriate on the proposed landscape area to facilitate our vegetation maintenance. For the additional landscape area, the detail of the proposed species of shrubs should be sought our comment.

From tree management angle

We have no adverse comment on the proposed trees at the additional landscape area along Tai Wo Service Road East. However, as there will be shrubs planting, please ensure sufficient clearance (at least 300mm) should be provide around the trunk base area in order not to affect our tree inspection work.

From landscape management angle

We have no comment at this stage and our comment will be provided when detailed landscape plan is available.

Thank you.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "pwylolcsd.gov.hk" <pwylolcsd.gov.hk>
Cc: "smfung@lcsd.gov.hk" <smfung@lcsd.gov.hk>, "mplyung@lcsd.gov.hk" <mplyung@lcsd.gov.hk>, "echochan@lcsd.gov.hk" <echochan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>, "LING Yun, Julian" <julian.ling@lt-aecom.com>, "YAU Ngok, Weaven" <weaven.yau@lt-aecom.com>
Date: 06/06/2019 14:09
Subject: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Ms. Lo,

In view of the agreement made between the Cross Boundary Maintenance Section of HyD and CEDD on 28 March 2019 (see **Encl. A**) regarding the maintenance responsibility of the Realigned Tai Wo Service Road East (TWSRE), please be notified that NT/HyD had agreed to take up the maintenance of TWSRE. We therefore propose to hand over the roadside landscape areas (approx. 1670m2, see **Encl. B**) along the TWSRE in accordance with the Appendix A of *Technical Circular (Works) No. 6/2015* (see **Encl. C**), for your future maintenance.

Please find a set of *Proposed Additional Soft Landscape Area along Tai Wo Service Road East* in **Encl. D** and a set of *Proposed Maintenance Demarcation Plans for Soft Landscape Works* in **Encl. E** for your consideration and approval.

We confirm that this proposal is fully complied with the requirement listed in the “*General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance*”, promulgated by LCSD in May 2018. In which, 360m of continuous physical demarcations (U-channel and E1 Kerbs) will be provided to clearly delineate the LCSD landscape area from other planting areas; and, adequate lockable water points will also be provided for your maintenance use (locations of water points are for reference only and should subject to WSD approval). On the other hand, sufficient Recurrent Cost (RC) will be allocated for your future maintenance.

Due to the tight programme for completion of the landscape softworks, we would be grateful to receive your reply before 21 June 2019. Should you have any queries, please feel free to contact myself or my Senior Resident Landscape Architect, Ms. Carol Leung, at 2171 3405.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

[附件檔 "Encl E.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl A.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl B.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl C.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl D.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除]



食物環境衛生署
Food and Environmental
Hygiene Department

北區環境
新界上水智昌路13號石湖墟市政大廈4樓
North District Environmental Hygiene Office
4/F, Shek Wu Hui Municipal Services Building
No. 13, Chi Cheong Road, Sheung Shui, New Territories

電話 Tel : 2679 2800

傳真 Fax : 2672 4002

Our Ref. : (14) in FEHD N 1-150/10/15/2012(3)
Your Ref. : LYL:ccm:60212563/C3/C10/100-2017009769W

AECOM
8/F, Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin Hong Kong
(Fax no.: 3922 9797)

26 September 2017

Dear Sir/Madam,

Contract No. CV/2012/09: Liantang/Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 3
Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned
Tai Wo Service Road East and Demarcation of Maintenance Responsibility

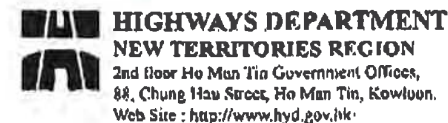
I refer to your letter under reference.

2. Please be advised that we have no comment on the subject proposed works.

Yours faithfully,

(WONG Kam-yan)

for Director of Food and Environmental Hygiene



HIGHWAYS DEPARTMENT
NEW TERRITORIES REGION
2nd floor Ho Man Tin Government Offices,
88, Chung Hau Street, Ho Man Tin, Kowloon.
Web Site : <http://www.hyd.gov.hk>

By Fax
3922 9797

路政署
新界區
九龍何文田政府大樓88號
何文田政府合署二樓
網址 : <http://www.hyd.gov.hk>

[11ESN]

本署編號 Our Ref. : (11G2Q) in HyD NT/12-2/1/17-CB
來函編號 Your Ref. : PWKL:cfwl:60212563/C6/C55/200-2018000908W
電話 Tel. No. : 2762 3528
傳真 Fax No. : 2714 5228

27 February 2018

AECOM Asia Co. Ltd.
8/F, Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, Hong Kong
(Attn.: Mr. Pat Lam)

Dear Sirs,

Agreement CE 38/2010 (CE)
Liantang/Heung Yuen Wai Boundary Control Point and associated works
(Site Formation and Infrastructures) – Design and Construction

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Soft Landscape Works Proposal and Demarcation of Maintenance Responsibility

I refer to your above-quoted letter of 12.2.2018 (received by us on 13.2.2018) enclosing responses to our previous comments.

I have no further comments on the soft landscape proposal.

Yours faithfully,

(BRYAN Y F CHONG)
for Chief Highway Engineer/NT West
Highways Department

c.c.
CE/N1/NDO, CEDD (Attn. Mr. Steve LO)
LU, HyD (Attn. Mr. David YUEN)
Internal SE/CB1

Fax No. 3547 1659
Fax No. 2310 8438



Urgent by Fax

A16
Page 1 of 1

MEMO

From	CLA, Landscape Division, HyD	To	CE/N(SD5), NDO, CEDD
Ref.	(6PLR) in HyD LSC/14-7/10/2	(Attn.:	Mr. Joe YIP / Mr. P. Y. YU / Mr. Steve LO / Mr. Albert LAM
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email.	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	16 April 2020	Total Pages	1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction

Contract No. CV/2013/08 Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 6

Revised Soft Landscape Works Proposal to be Handed Over to Landscape Division of
Highways Department (LD/HyD) for Future Maintenance

I refer to the submission under the Consultant - AECOM Asia Co. Ltd.'s letter ref. PWKL:cfwl:60212563/C6/C55/200-2020002433W dated 20.3.2020 (received on 25.3.2020). Please note that I have no comment from the highways landscape and vegetation maintenance point of view.

cln
(CHAN Tai-fung Sandy)
for Chief Landscape Architect
Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG Fax: 2714 5228
AECOM Attn.: Mr. Pat LAM Fax: 3922 9797

ER(CV/2013/08)

Internal
SLA/VM(S) LA/VM(NTE) ALO/VM(NTE) via EDMS

KS/SC/sc

17/04/2020 15:19

No.: R173 L1

P.001/001



康樂及文化事務署
Leisure and Cultural Services Department

A17
Page 1 of 1

電話 TEL: 2601 8681
圖文傳真 FAX NO: 2695 3886
本署檔號 OUR REF: () in LCS 1/HQ 715/11(3) Pt.12
來函檔號 YOUR REF: PWKL:cfwl:60212563/C6/C55/200-2019004976W

(Fax: 3922 9797)

15 July 2019

AECOM
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road,
Shatin, Hong Kong
(Attn.: Pat Lam)

Dear Mr. LAM,

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 6

2nd Responses to Leisure and Cultural Services Department's Comments on Soft Landscape
Works Proposal and Demarcation of Maintenance Responsibility

I refer to your letter dated 4 June 2019. Please find the comments from LCSD as follows:

2. LCSD has no further comments on the updated number of replacement planting of 461 trees for the "Revised TPRP (Rev. 3)". However, the tree species would be revised and updated landscape proposal would be submitted again as discussed in the meeting on 10.7.2019.

Yours sincerely,

(Signature)
(Miss Angel LAU)
for Director of Leisure & Cultural Services

c.c.
ALMI(T)NTN4
ALMI(L)

香港沙田排頭街一至三號康樂及文化事務總部
Leisure & Cultural Services Headquarters, 1-3 Pai Tau Street, Sha Tin, Hong Kong.

15/07/2019 11:40

No.: R015 L1

P.001/001

LEE Pui Shan

From: Sau Han LAM <sauganlam@lcsd.gov.hk>
Sent: Tuesday, 5 May 2020 4:10 PM
To: WONG Tin Lok, Clement
Cc: Lam Shu, Albert; Angel LAU (angellau@lcsd.gov.hk); 'asung@lcsd.gov.hk'; LEUNG Siu Yin, Carol; YUE Chung Man, Louis; mkyim@cedd.gov.hk; TAM Tsz Him, Ray; SZE Siu Ching, Sandy; Lo Chi Fai, Steve; NGO Tsz Kei, Twigg; LAM Wing Ki, Vicky; WONG Wai Ting, Wen; Chui Ping TANG; YW CHEUK; Jacky KL CHAN
Subject: RE: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads
Attachments: Tree Planting Plans.pdf

Dear Clement,

I refer to your email below.

We have no additional comments on your notes of meeting as enclosed at your email dated 29.4.2020. LCSD agreed to take up maintenance of 73 trees in addition to 555 trees previously agreed (Para. 1(a)) and disagreed to take up maintenance of 32 trees without proper access to the trees and within the tunnel area (Para. 1(b)).

Please confirm whether you would be available to conduct joint site inspection on the newly planted trees with details below :

Date : 14.5.2020 (Thu)

Time : 10 a.m.

Gathering Point : To be confirmed

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

From: "WONG Tin Lok, Clement" <clement.wong@it-aecom.com>
To: "Sau Han LAM" <sauganlam@lcsd.gov.hk>
Cc: "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>; "asung@lcsd.gov.hk" <asung@lcsd.gov.hk>; "LEUNG Siu Yin, Carol" <carol.leung@it-aecom.com>; "YUE Chung Man, Louis" <louis.yue@it-aecom.com>; "TAM Tsz Him, Ray" <ray.tam@it-aecom.com>; "SZE Siu Ching, Sandy" <sandy.sze@it-aecom.com>; "NGO Tsz Kei, Twigg" <twigg.ngo@it-aecom.com>; "LAM Wing Ki, Vicky" <vicky.lam@it-aecom.com>; "WONG Wai Ting, Wen" <wen.wong@it-aecom.com>; "Lo Chi Fai, Steve" <stevelo@cedd.gov.hk>; "Lam Shu, Albert" <albertlam@cedd.gov.hk>; "mkyim@cedd.gov.hk" <mkyim@cedd.gov.hk>
Date: 29/04/2020 09:20
Subject: RE: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads

Dear Ms. Lam,

Thank you for joining the site inspection among LCSD, CEDD and AECOM on 27 April 2020. The following salient points were recorded:-

1. Maintenance responsibility of trees

a) LCSD agreed to maintain 73nr new trees, in addition to those previously agreed (i.e. 555nrs), which were distributed in:

Works Area	Drawing no.	Qty. of new trees (nr)
Ping Yeung Interchange (PYI)	SK1570	17
Lin Ma Hang Road (LMHR)-near Chuk Yuen Village	SK1574	15
Lin Ma Hang Road (LMHR)-near Link Road B2	SK1575	41
Total:		73

Therefore, a total of 628nr (73+555) new trees under Contract 6 (Contract No. CV/2013/08) have been agreed to be maintained by LCSD.

b) LCSD declined to maintain a total of 32nr new trees, which were distributed in:

Works Area	Drawing no.	Qty. of new trees (nr)	Justification
Wo Keng Shan Road-near Bridge B	SK1565	9	The trees do not adjoin the public road (Wo Keng Shan Road) but they are separated by a HyD slope no. 3NW-D/C5
Ping Yeung Interchange (PYI)	SK1570	6	The trees are bounded by a road within the 'Tunnel Area' and a footpath maintained by HAD; which are <u>not</u> a public road as defined in TCW No. 6/2015
Lin Ma Hang Road (LMHR)-near Tsung Yuen Ha	SK1575	17	Level difference and lack of proper access make it unfeasible for maintenance
Total:		32	

A full set of tree planting plans is attached for your reference. Please note that trees agreed to be maintained by LCSD are highlighted in green and trees inspected on 27 April 2020 are clouded in red.

2. Pre-handover inspection for commencement of establishment works

a) It was agreed that the newly planted trees would be inspected by works areas. Please find the proposed schedule below:

Works Area	Drawing no.	Qty. of new trees (nr)	Tentative Inspection Date
Sha Tau Kok Interchange (STKI)	SK1561	210	Early May 2020
Bridge B	SK1565-1566	67	Late May 2020
Ping Yeung Interchange (PYI)	SK1570	202	Mid-May 2020
Lin Ma Hang Road (LMHR)	SK1574-1575 & 2120	154	Late May 2020
Site Office	SK3379	16	October 2021 (by Term Contractor of CEDD)
Off-site Tree Planting in LCSD Venues	SK3387-3393, 3396, 3447-3453 & 3530 (<i>not attached in this email</i>)	141	Late May 2020
Total:		790	

The establishment period at each works area shall commence upon LCSD's satisfaction of the trees.

We look forward to hearing from you to confirm the aforesaid agreements.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Sau Han LAM [mailto:sauganlam@lcsd.gov.hk]
Sent: Thursday, April 23, 2020 5:11 PM
To: WONG Tin Lok, Clement
Cc: Angel LAU (angellau@lcsd.gov.hk); 'asung@lcsd.gov.hk'; LEUNG Siu Yin, Carol; YUE Chung Man, Louis; TAM Tsz Him, Ray; SZE Siu Ching, Sandy; NGO Tsz Kei, Twigg; LAM Wing Ki, Vicky; WONG Wai Ting, Wen
Subject: Re: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads

Dear Clement,

I refer to your email below.

I would like to conduct joint site inspection with you on April 27 of the trees concerned after our site visit at Lin Ma Hang.

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

From: "WONG Tin Lok, Clement" <clement.wong@it-aecom.com>
To: "sauganlam@lcsd.gov.hk" <sauganlam@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@it-aecom.com>; "NGO Tsz Kei, Twigg" <twigg.ngo@it-aecom.com>; "LAM Wing Ki, Vicky" <vicky.lam@it-aecom.com>; "YUE Chung Man, Louis" <louis.yue@it-aecom.com>; "WONG Wai Ting, Wen" <wen.wong@it-aecom.com>; "SZE Siu Ching, Sandy" <sandy.sze@it-aecom.com>; "TAM Tsz Him, Ray" <ray.tam@it-aecom.com>; "asung@lcsd.gov.hk" <asung@lcsd.gov.hk>; "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>
Date: 22/04/2020 16:22
Subject: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads

Dear Ms. Lam,

Referring to DLO/N's comments on the maintenance responsibility of the vegetation (see **Attachment 1**), they reiterated in items 7, 8 and 9 that 'vegetation within 10m measured from kerb of public roads, which should be maintained by LCSD instead of LandsD (item 3(i), Appendix A of DEVB TC(W) No. 6/2015 refers'. Therefore, such trees (a total of 124nr new trees, 35nr retained trees and 33nr transplanted trees; clouded in **red** in **Attachment 2**) were proposed to be maintained by LCSD in the Revised TPRP (Rev.4), which was submitted to you on 31 March 2020. Since tree plantings were approved Landscape and Visual Mitigation Measures in the *Landscape Plan* as stipulated in Environmental Permit (EP), omission of tree planting was not feasible. We greatly appreciate it if you would reconsider taking up the maintenance responsibility of these trees on UUGL within 10m measured from kerb of public roads.

We would be most grateful if you would reply before 29 April 2020. Should you have any comment or require further information, please do not hesitate to contact me at 6321-5051, or my Senior Landscape Architect, Ms. Carol Leung, at 2171-3405.

Best Regards,

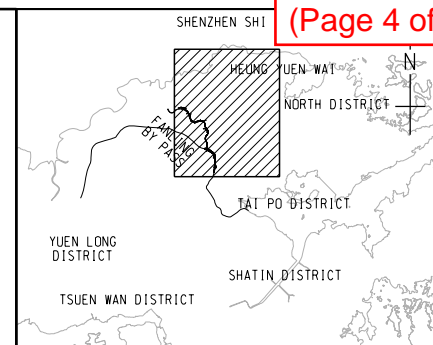
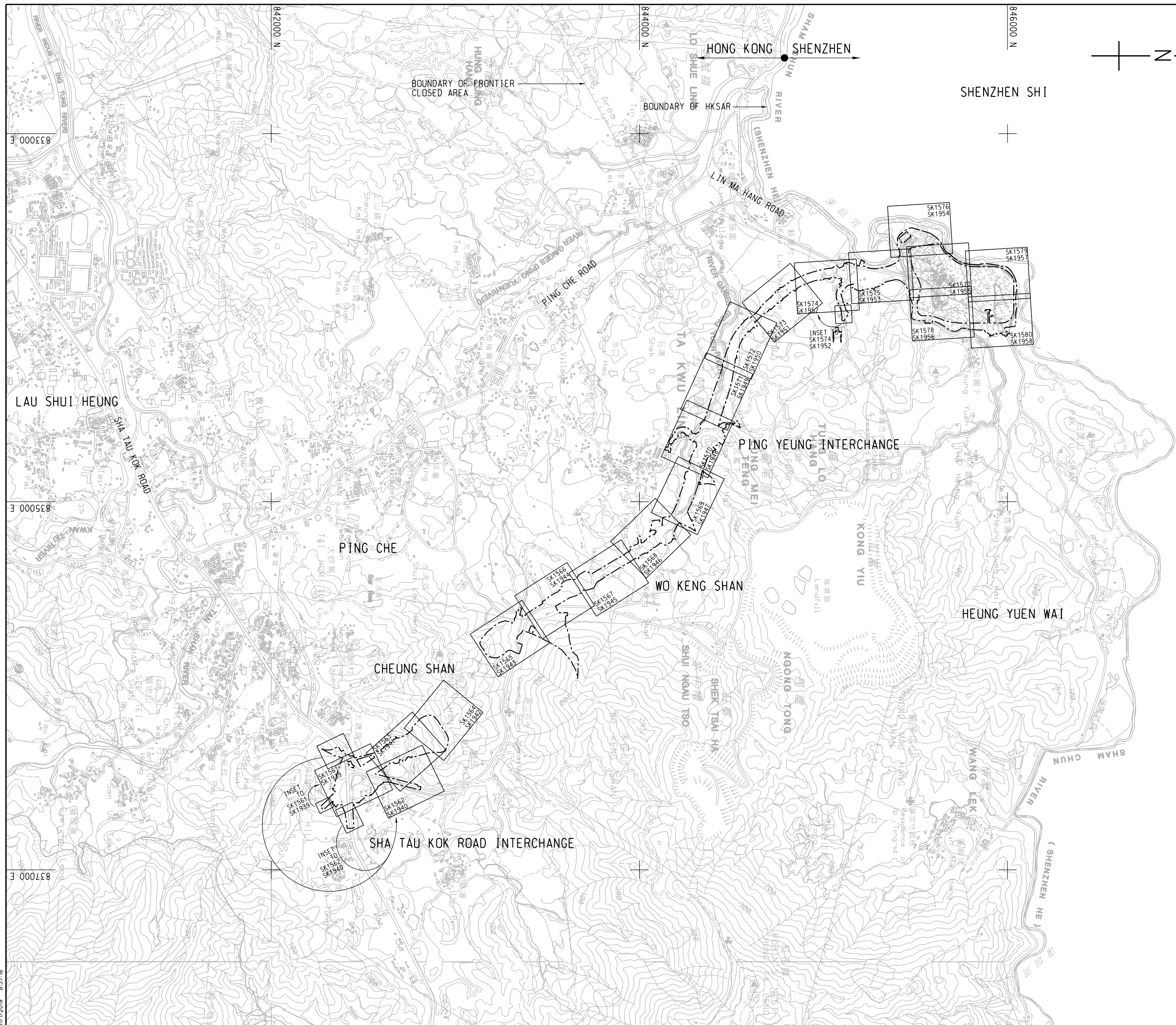
Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.



LOCATION PLAN
SCALE A1 1 : 300000

LEGEND:

-
- SITE BOUNDARY
 UNDERGROUND SITE BOUNDARY
 TREE PLANTING SKETCH NO. SK1561
 SHRUB PLANTING SKETCH NO. SK1939

REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1740

A	31/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLS
-	11/09/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLH
Rev.	Date	Description	Drawn	Prepared	Check

AECOM


CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: KEY PLAN -
SHRUB & TREE PLANTING

SKETCH NO.	CV/2013/08/SK1985A	SCALE 1:20000(A)
------------	--------------------	---------------------

NOTE:

1. FOR NOTES AND LEGENDS, REFER TO DRAWING NO. CV/2013/08/SK1915.

 Trees agreed to be maintained by LCSD

 Trees declined by LCSD

Inspected on 27 April 2020

REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1701B.

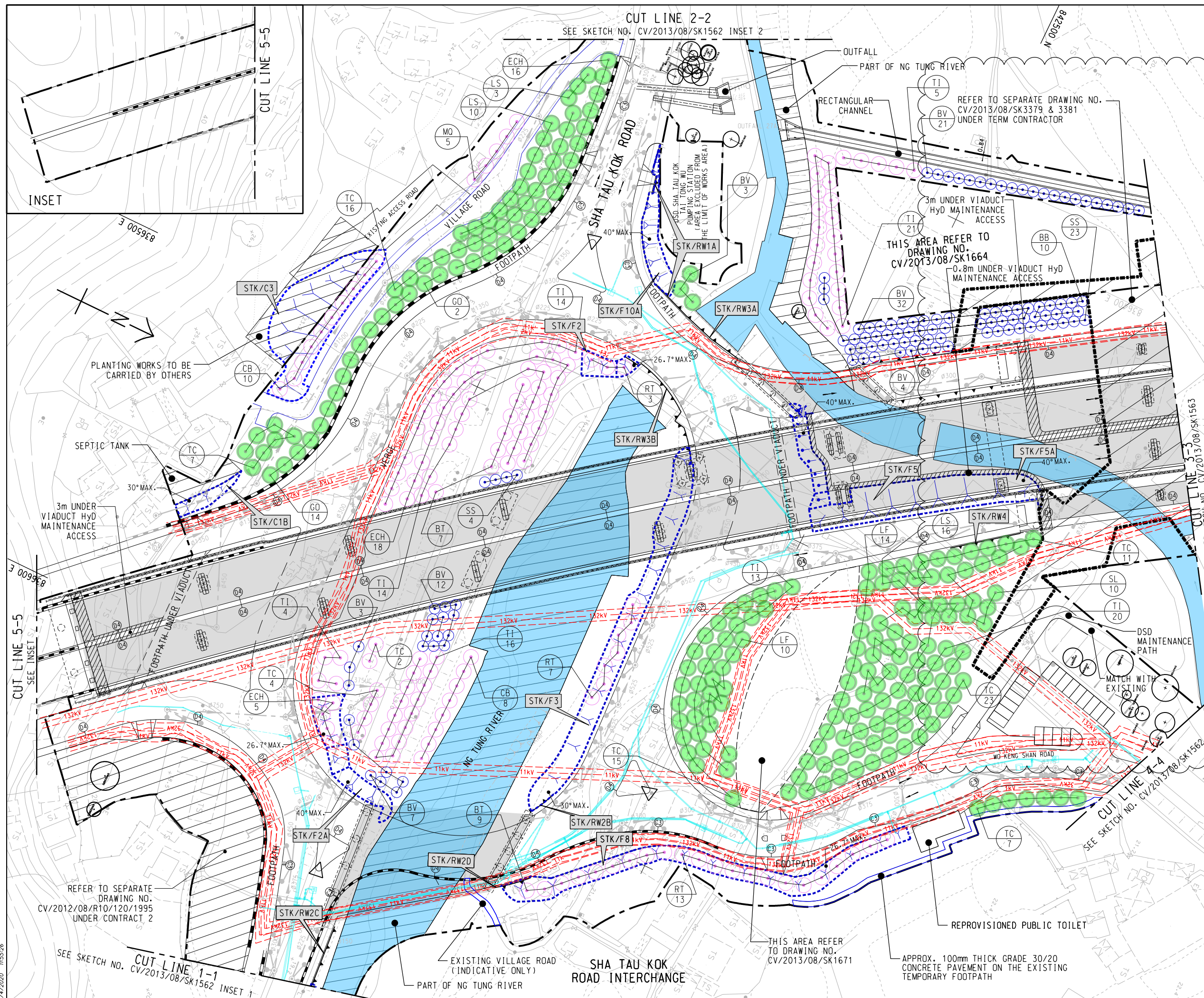
	I	03/04/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
H	23/03/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY	
G	08/01/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY	
F	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY	
E	16/05/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY	
D	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY	
C	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY	
B	28/06/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY	
A	30/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS	
	- 04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS	
Rev.	Date	Description	Drawn	Prepared	Checked	

AECOM

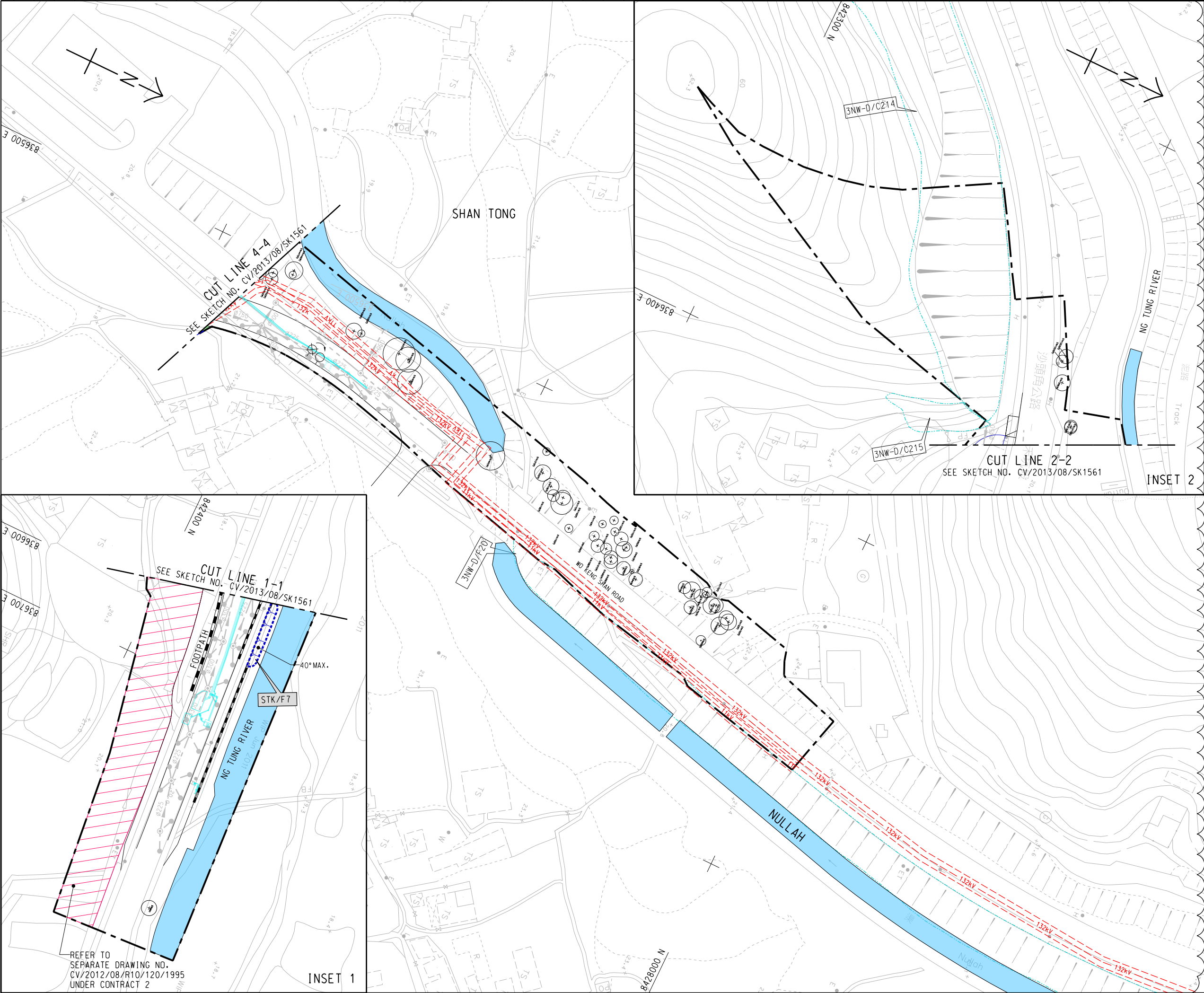
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: TREE PLANTING PLAN

		(SHEET 1 OF 20)
SKETCH NO.	CV/2013/08/SK15611	SCALE 1:1000 (A3)



NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



B

REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1702A.

B	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1562B
SCALE 1:1000 (A3)

15/05/13

REFER TO
SEPARATE DRAWING NO.
CV/2012/08/R10/120/1995
UNDER CONTRACT 2

INSET 1

INSET 2

PATH:\STO\DRAWING\TO-SEND\Contract 6\Site Sketch\CV/2013/08/SK1562B.dwg

NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.

REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1703C.

E	03/04/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
D	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	08/01/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	LKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

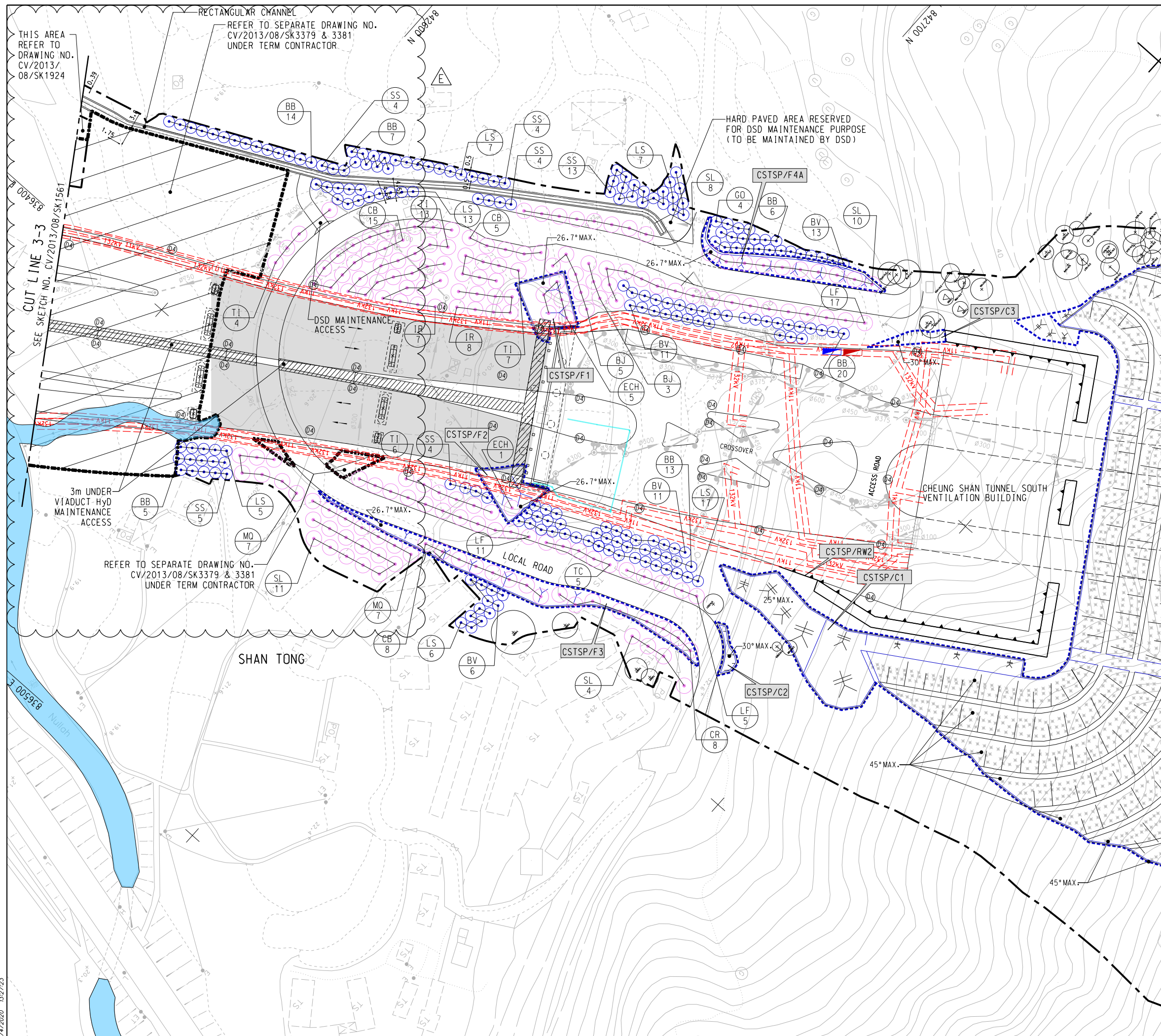
TITLE:

TREE PLANTING PLAN

(SHEET 3 OF 20)

SKETCH NO.	CV/2013/08/SK1563E
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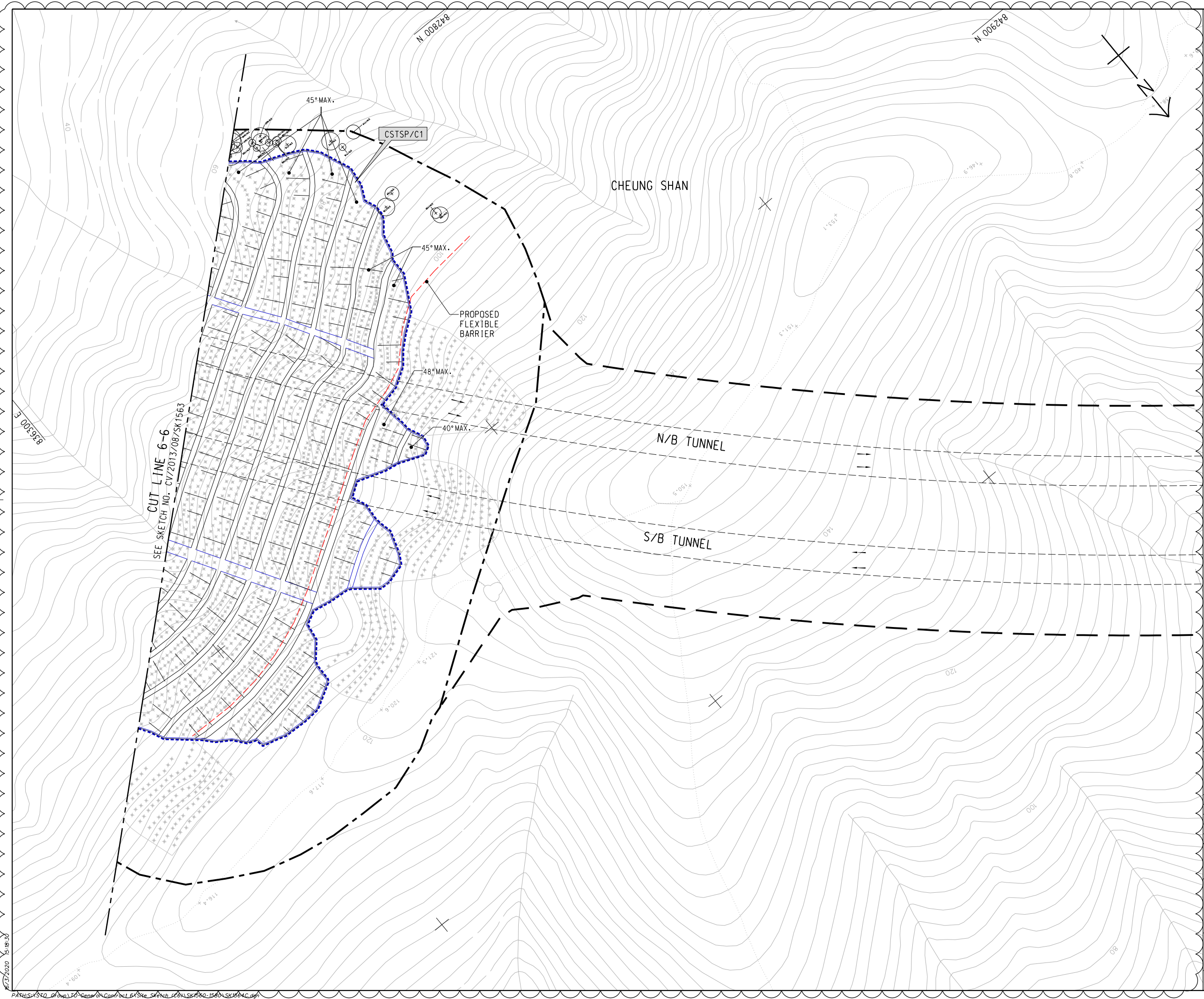
SCALE
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14/2020 13:27:23

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NOTE:
1. FOR NOTE AND LEGEND REFER TO SKETCH NO.
CV/2013/08/SK1915.



C

REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1704A.

C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	18/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1564C

(SHEET 4 OF 20)

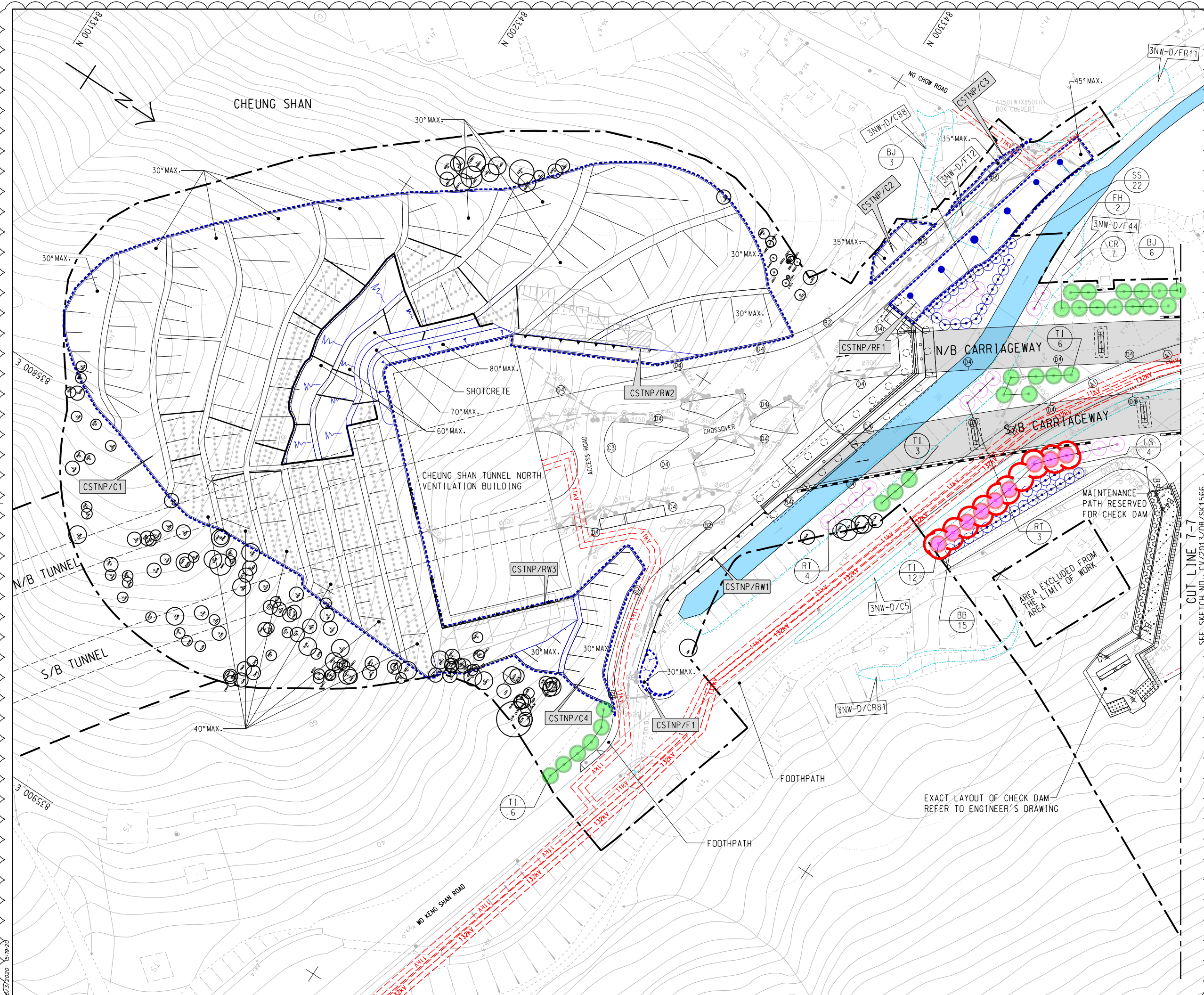
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NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



CUT LINE 7-7

REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1705B.

B	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	HLHS
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

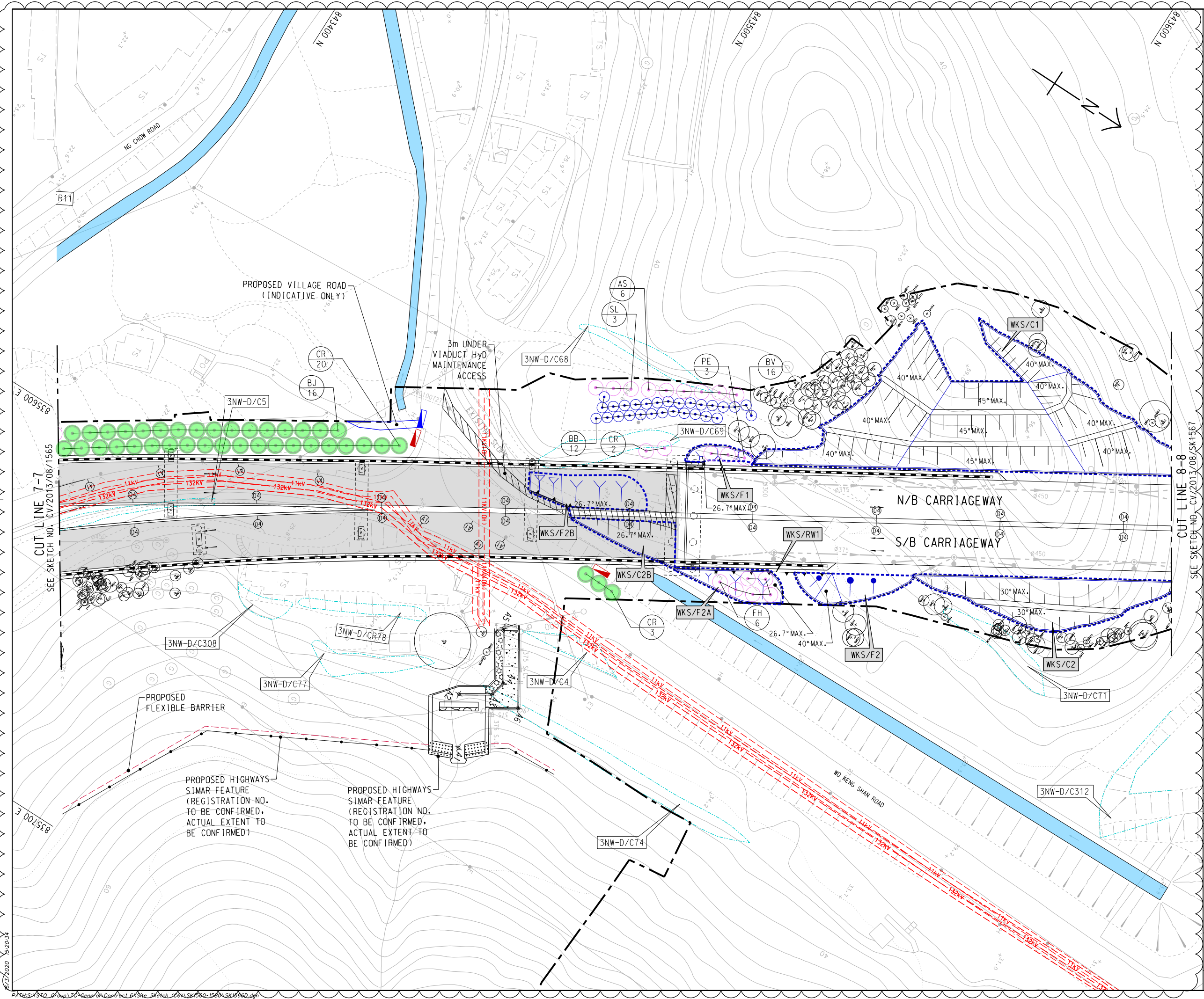
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CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: TREE PLANTING PLAN

		(SHEET 5 OF 20)
SKETCH NO.	CV/2013/08/SK1565B	SCALE 1:1000 (A3)

NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1706A.

D	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	04/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	24/07/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HUANG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1566D

(SHEET 6 OF 20)

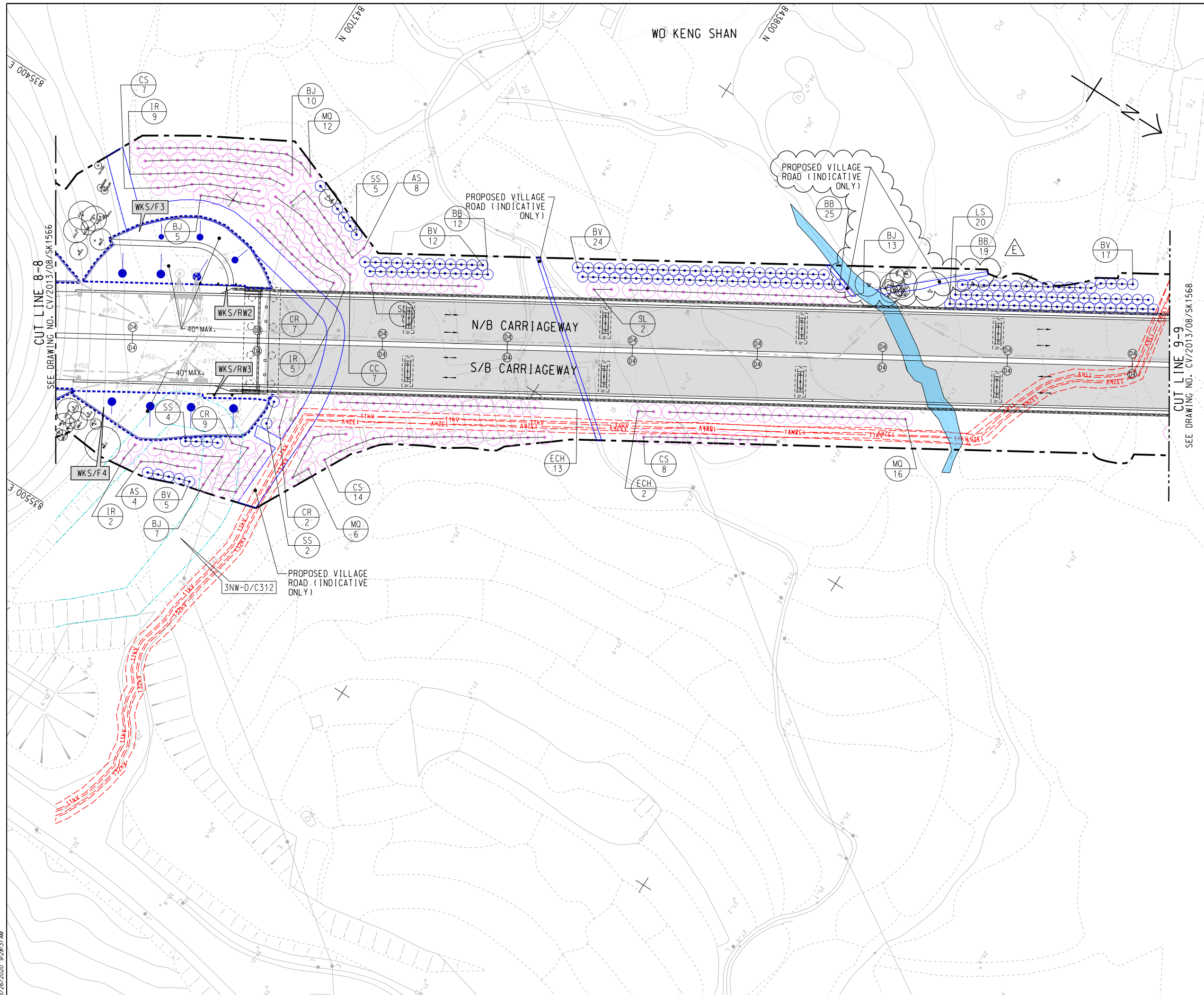
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NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



REFERENCE:

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3	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
	04/09/17	ISSUE FOR CONSTRUCTION	LKKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

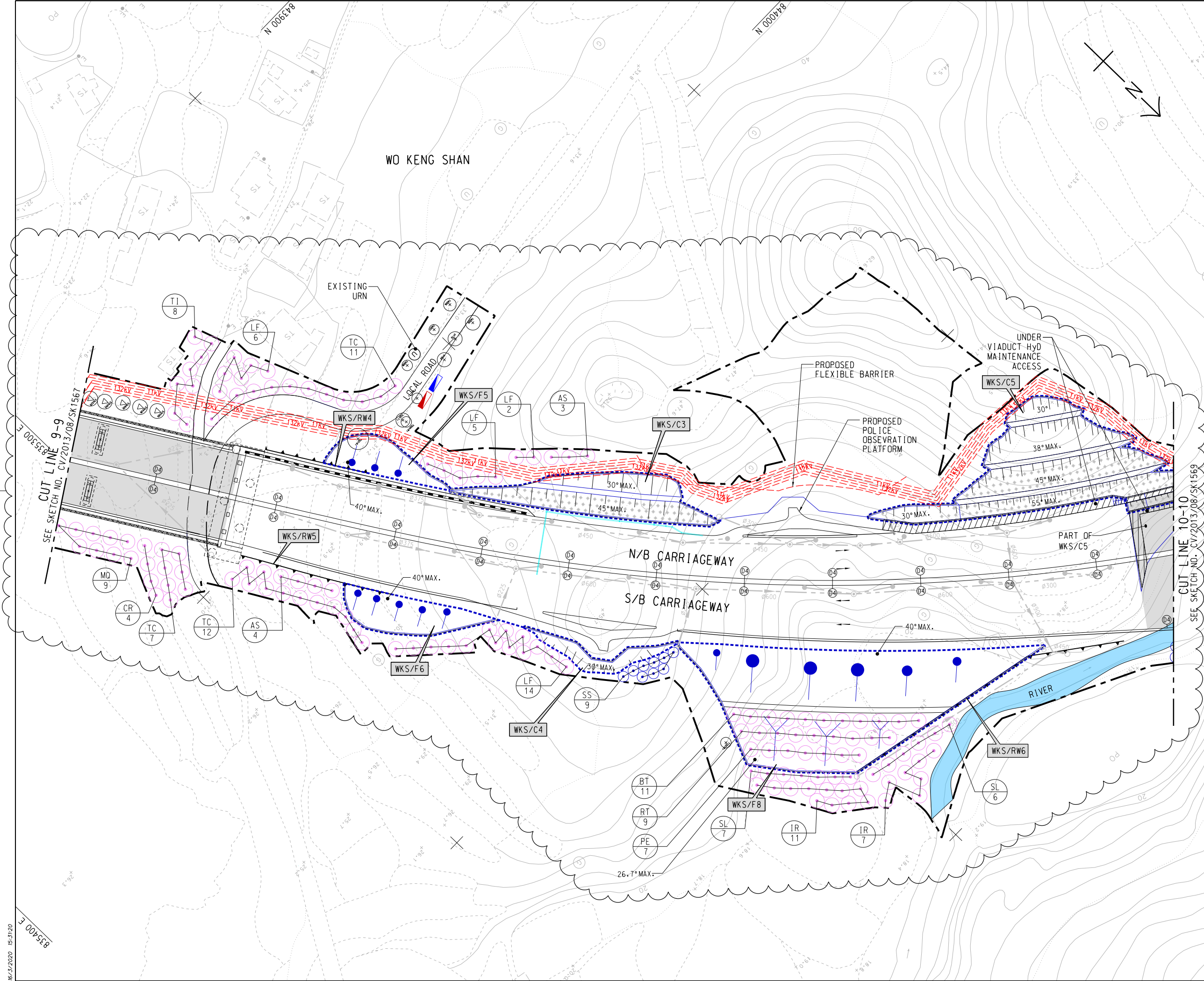
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CEDD CONTRACT NO. CV/2013/08
IANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

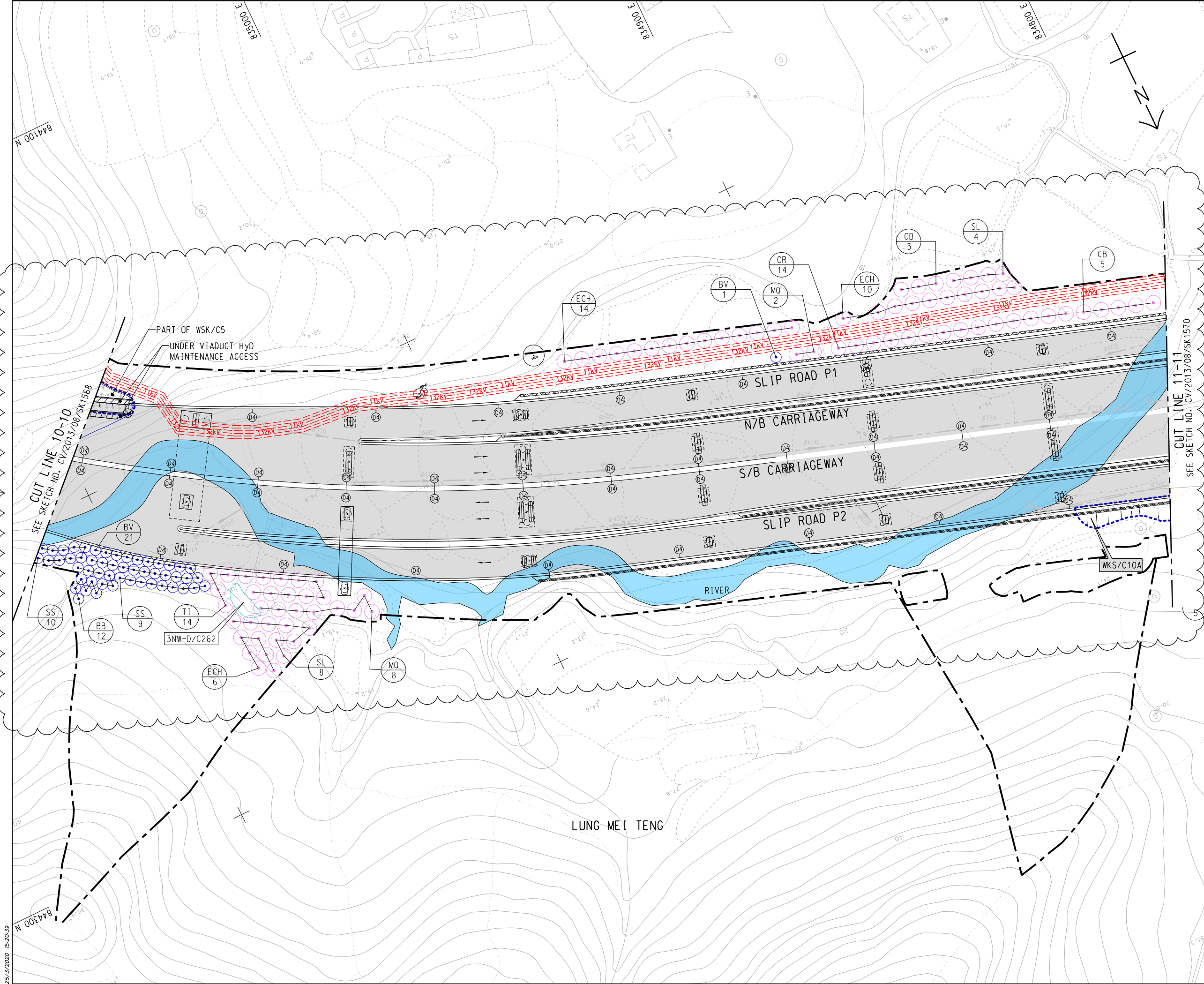
TITLE: TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1567E		(SHEET 7 OF 20) SCALE 1:1000 (A3)
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NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1709A.

D	24/03/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

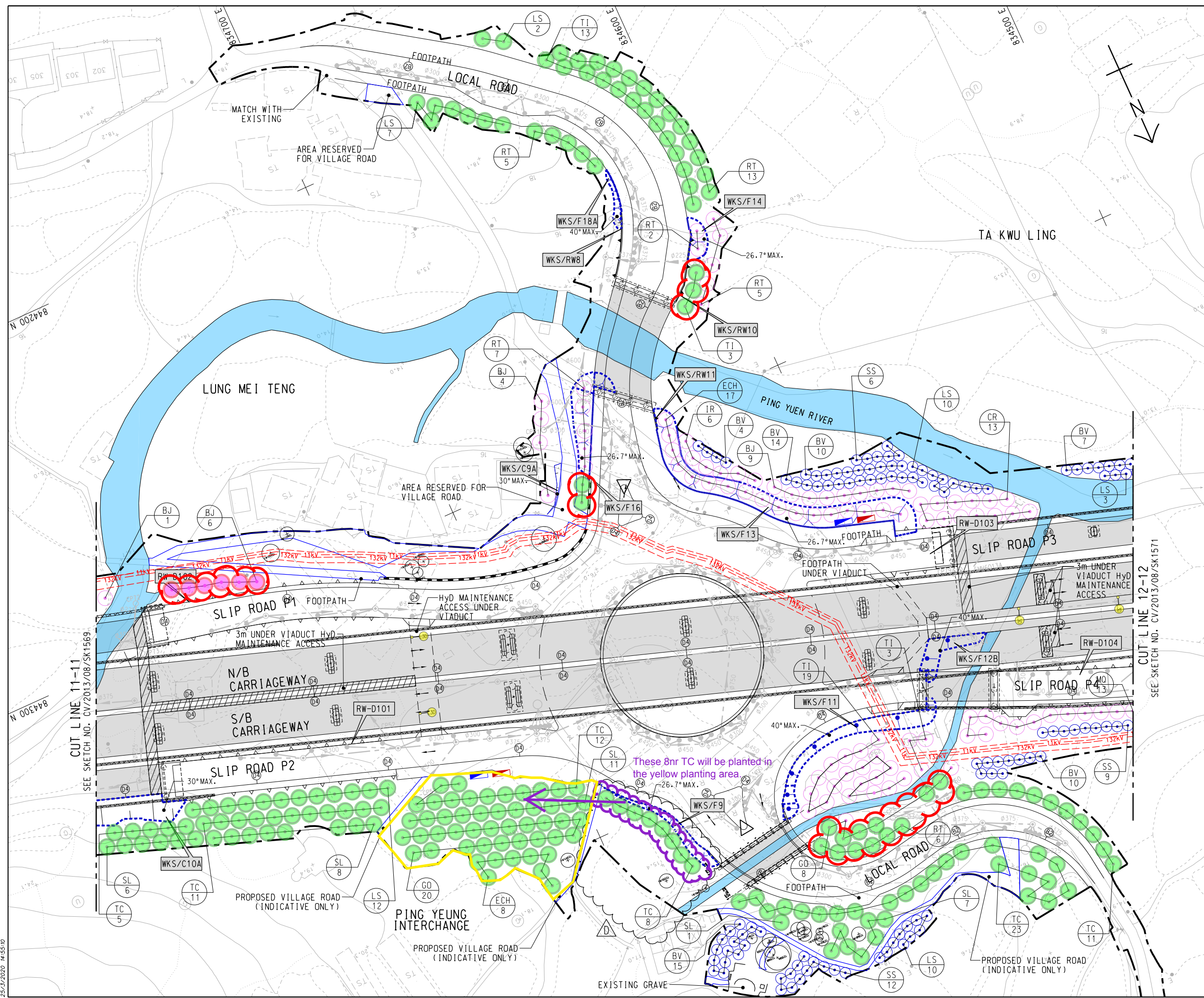
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TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1569D

(SHEET 9 OF 20)
SCALE
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NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



REFERENCE

. SUPERSEDE DRG NO. 60212563/C6/L00/1710A.

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28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
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10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
v. Date	Description	Drawn	Prepared	Checked

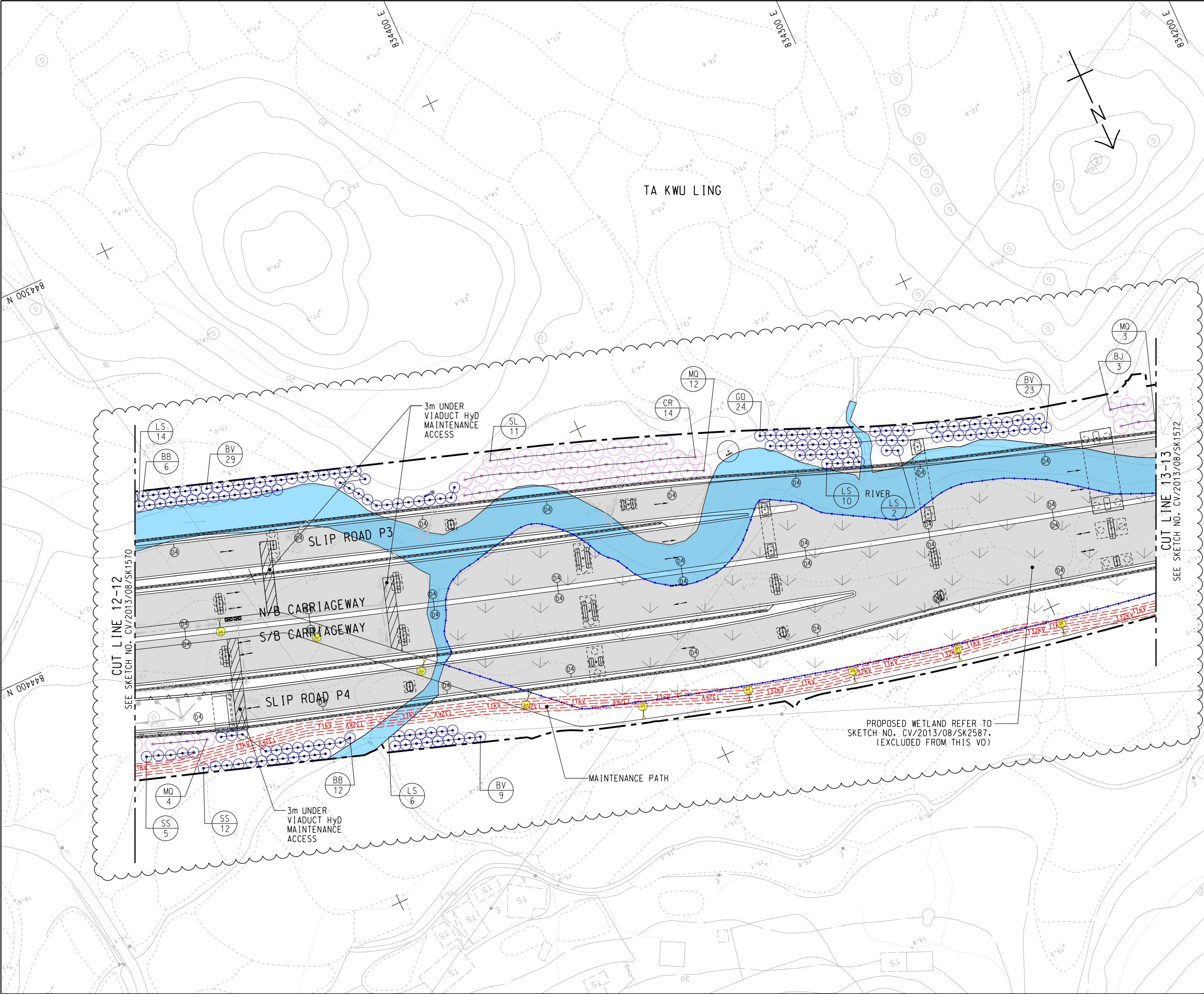
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CEDD CONTRACT NO. CV/2013/08
 IANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
 SITE FORMATION AND INFRASTRUCTURE WORKS -
 CONTRACT 6

TITLE: TREE PLANTING PLAN

		(SHEET 10 OF 20)
KETCH NO.	CV/2013/08/SK1570D	SCALE 1:1000 (A3)

NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1711A.

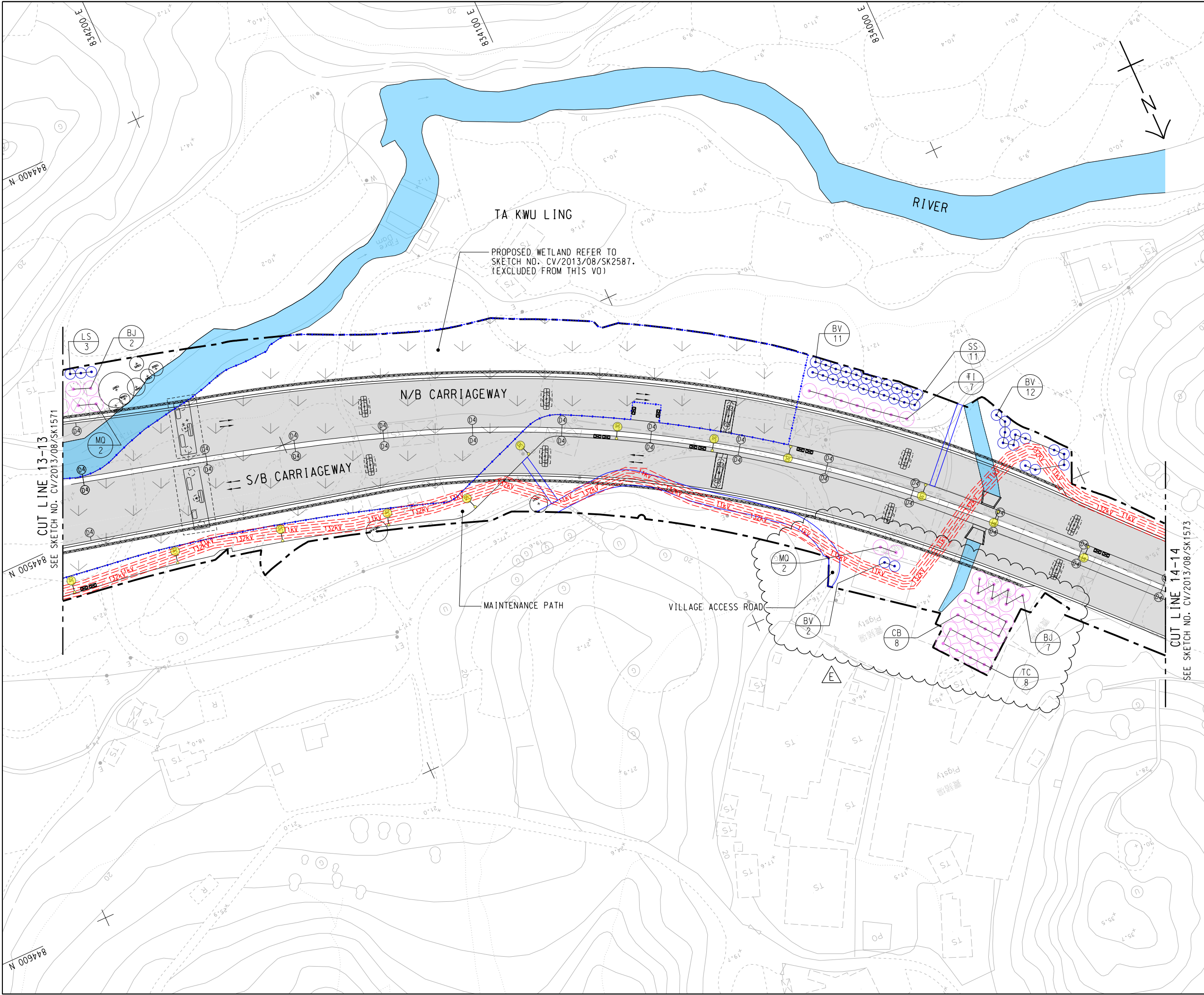
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A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1571D
SCALE 1:1000 (A3)



NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.

REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1712A.

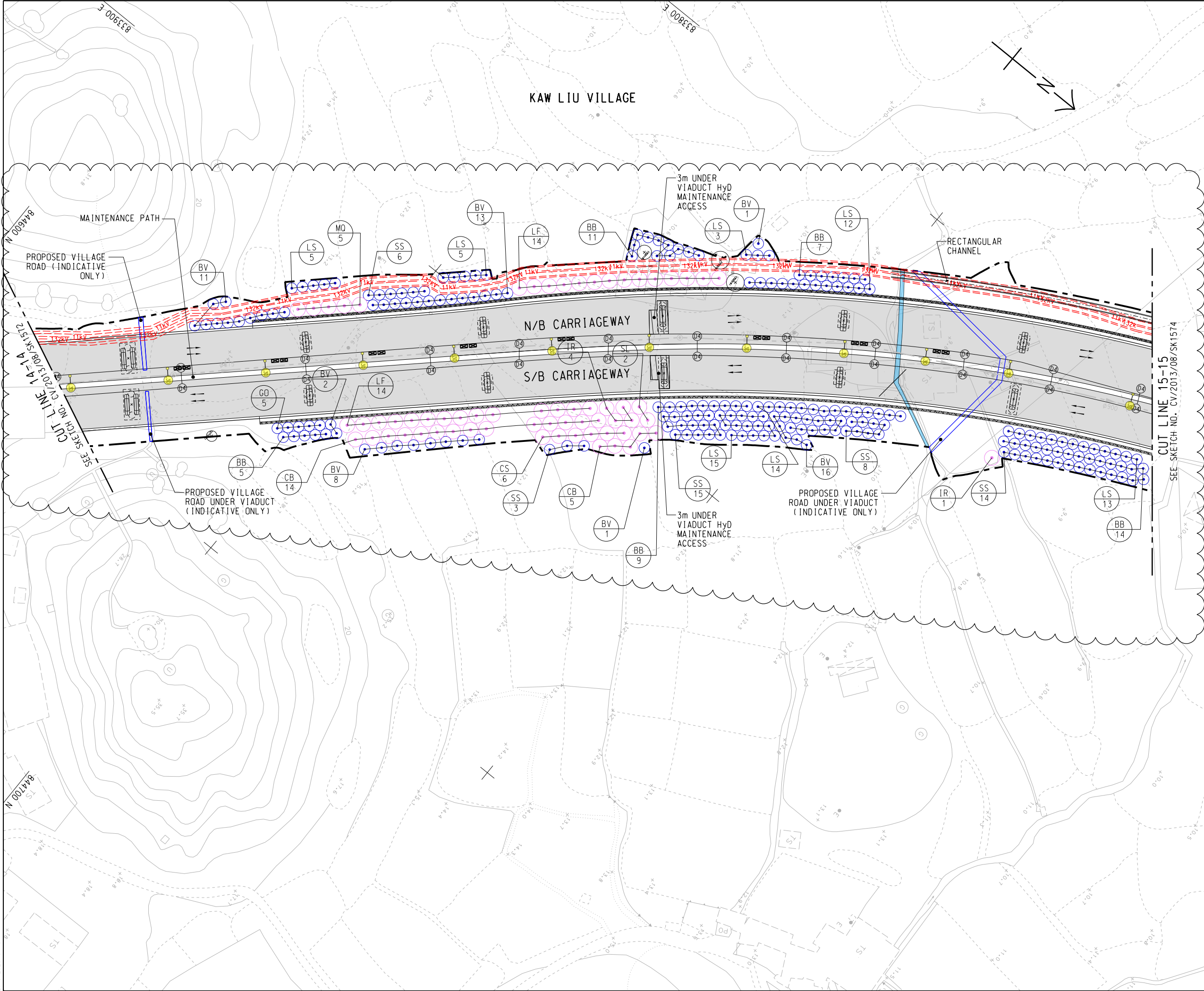
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D	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	26/02/19	ISSUE FOR CONSTRUCTION	LKK	CCCS	CLSY
B	30/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1572E
SCALE 1:1000 (A3)



NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1713A.

D	25/03/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

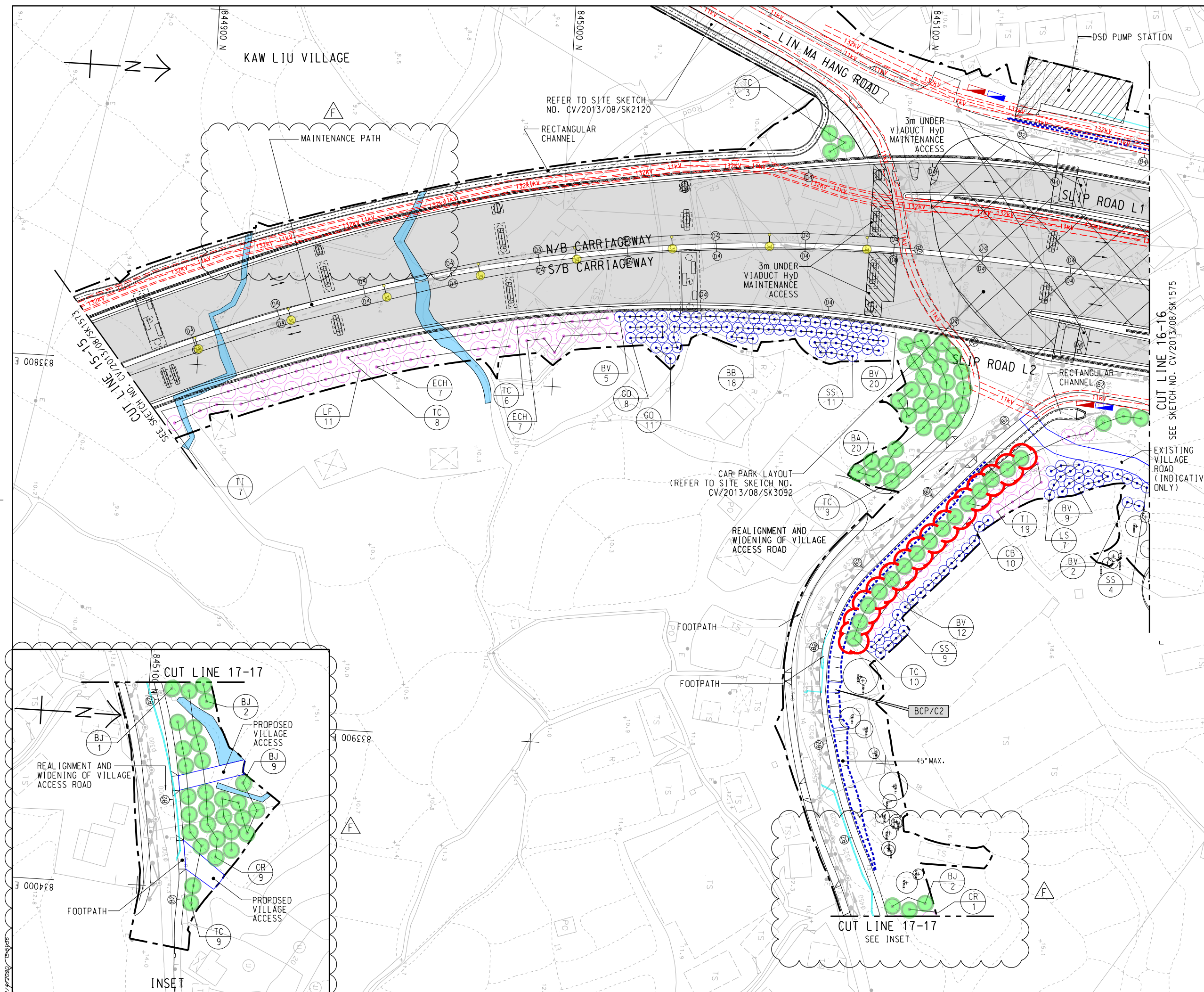
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1573D
SCALE 1:1000 (A3)

NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1714A.

F	03/04/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
E	25/03/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
D	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	28/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
	04/09/17	ISSUE FOR CONSTRUCTION	KLK&	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked



CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:

TREE PLANTING PLAN

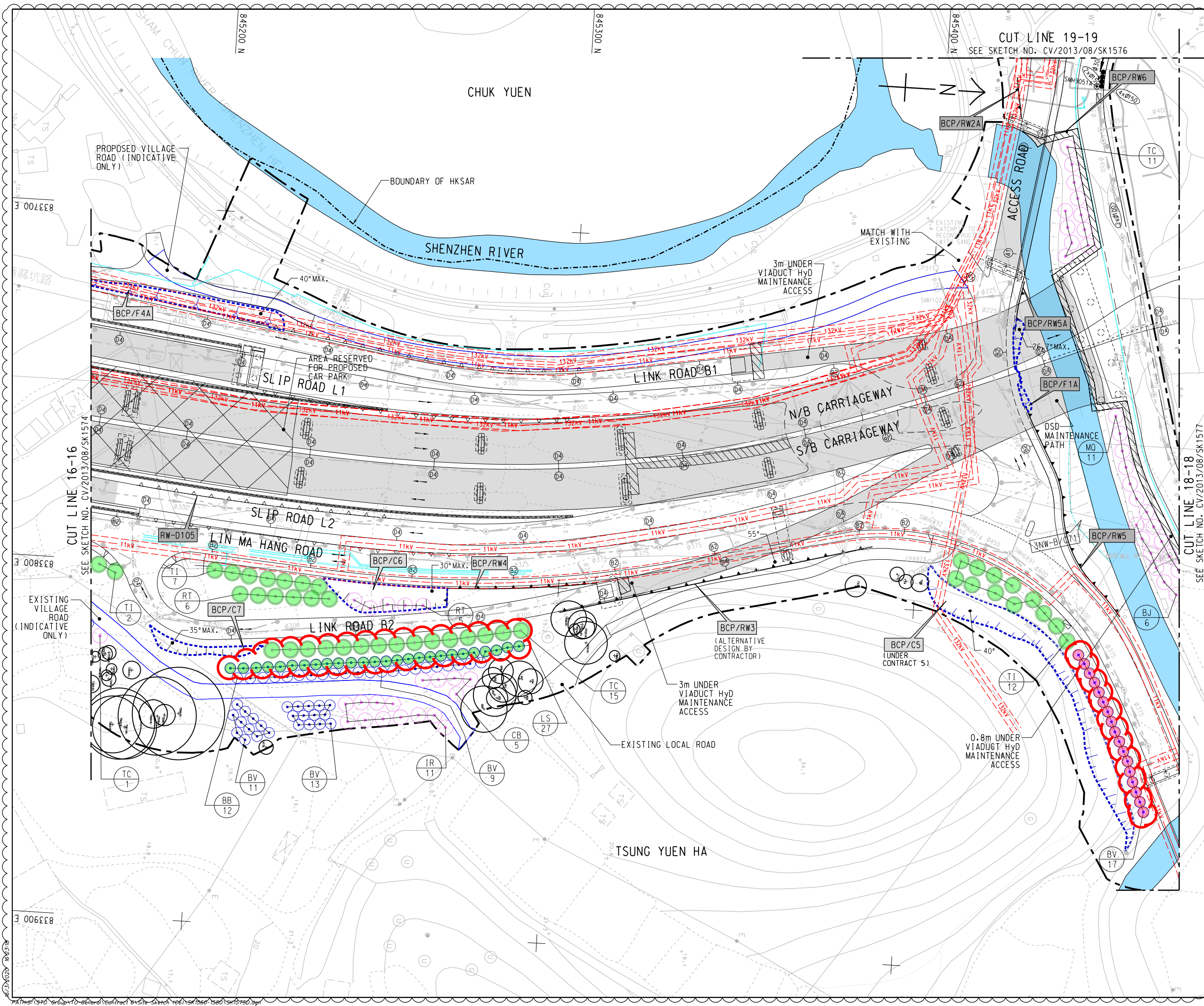
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SKETCH NO.	CV/2013/08/SK1574F
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SCALE
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NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



REFERENCE :

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26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
04/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Description	Drawn	Prepared	Checked

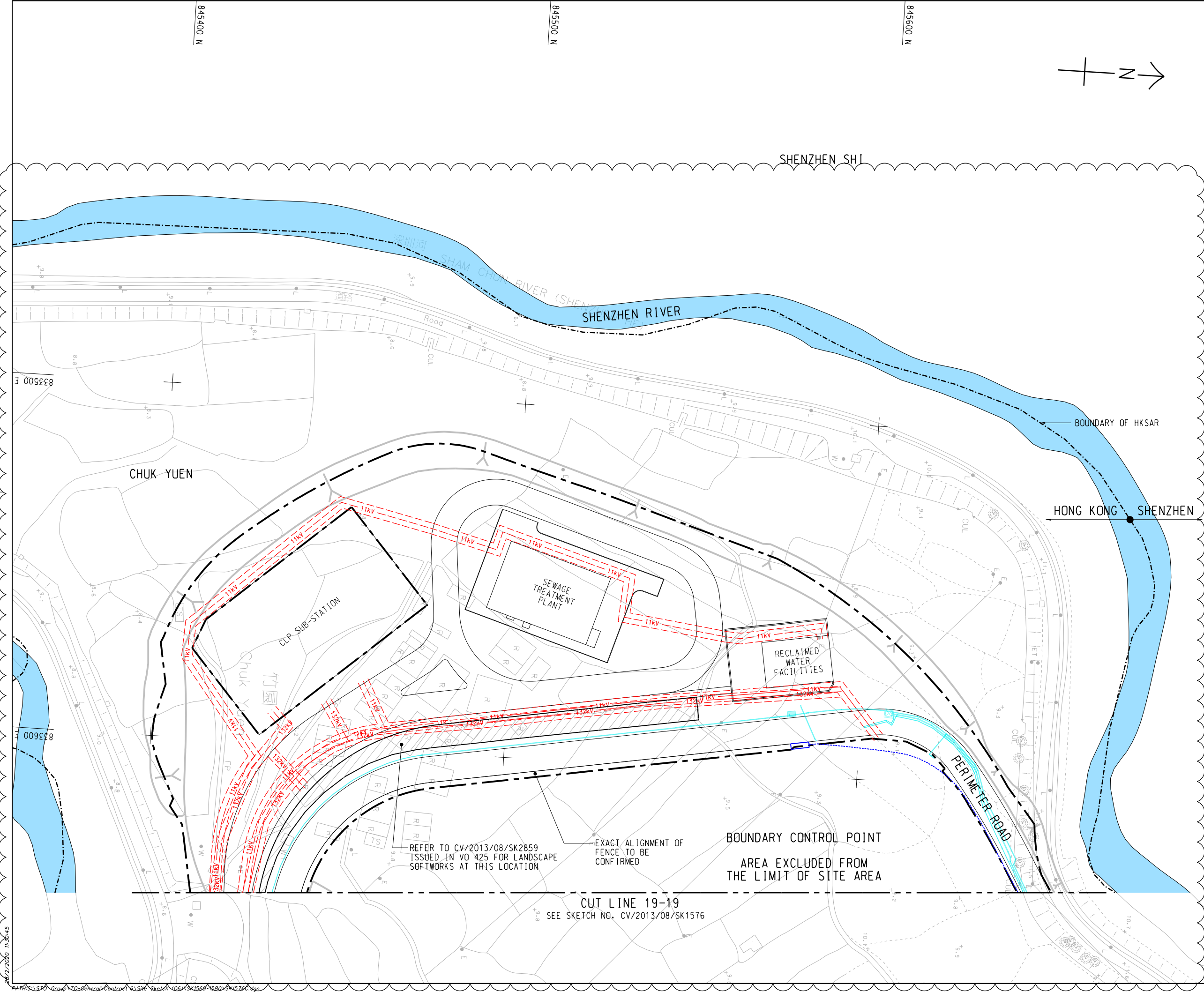
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CEDD CONTRACT NO. CV/2013/08
IANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1575D		SCALE 1:1000 (A3)
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NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1716C.

Rev.	Date	Description	Drawn	Prepared	Checked
C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	20/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	19/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

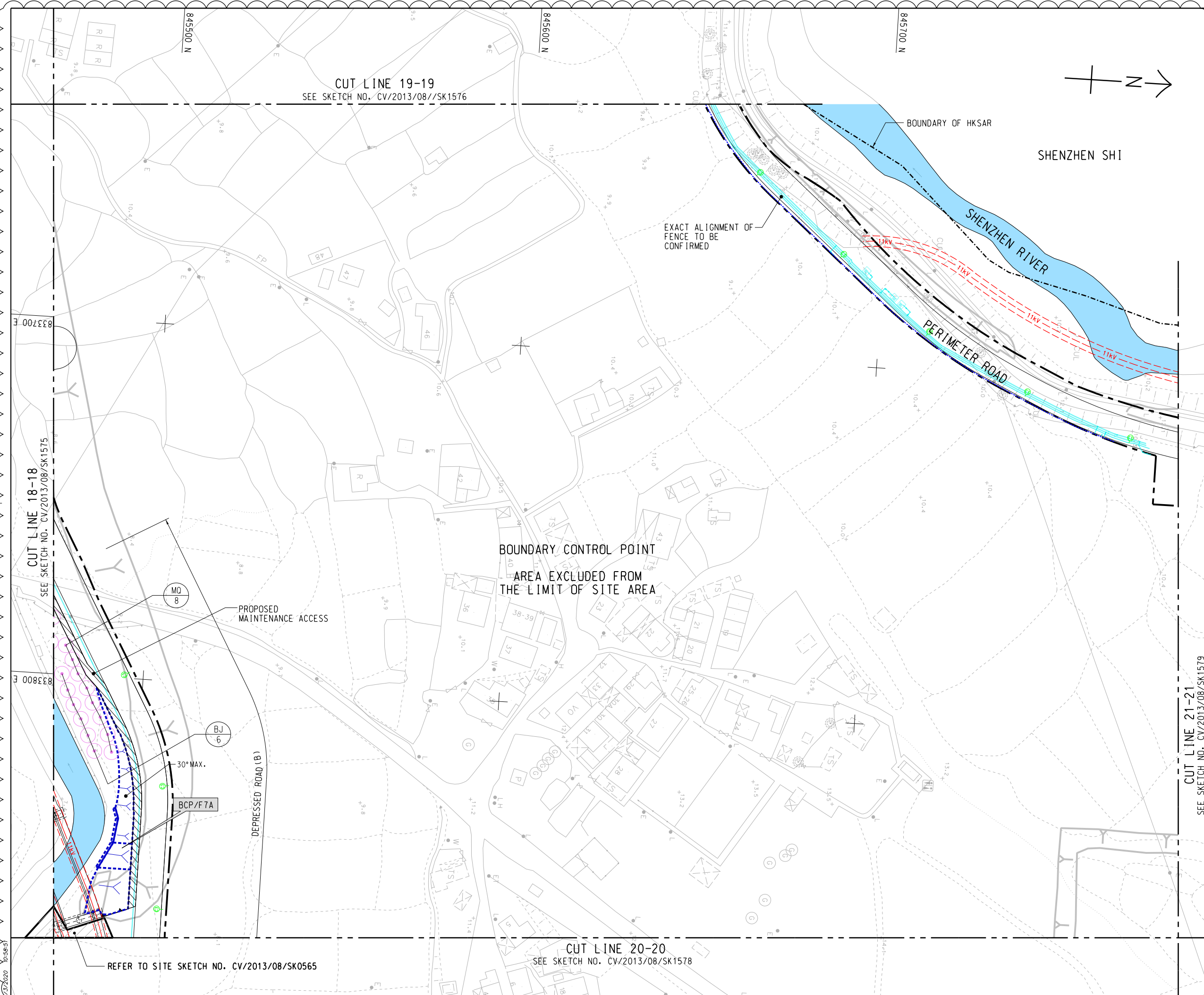
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SKETCH NO. CV/2013/08/SK1576C

(SHEET 16 OF 20)
SCALE
1:1000 (A3)

NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1717B.

C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	20/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	19/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:

TREE PLANTING PLAN

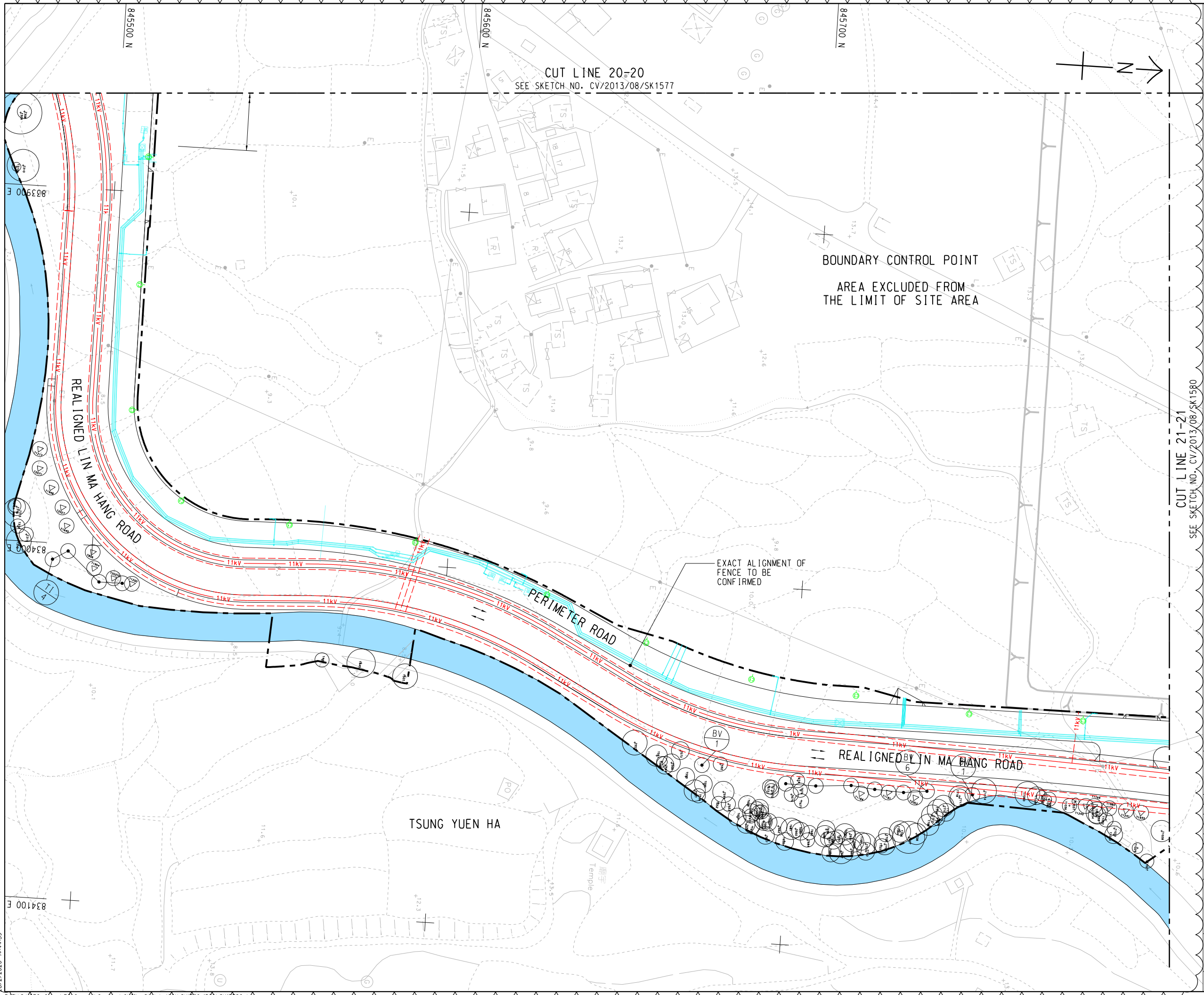
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SKETCH NO.	CV/2013/08/SK1577C
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SCALE
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NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1718B.

C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	20/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	19/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HUEN YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:

TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1578C

(SHEET 18 OF 20)

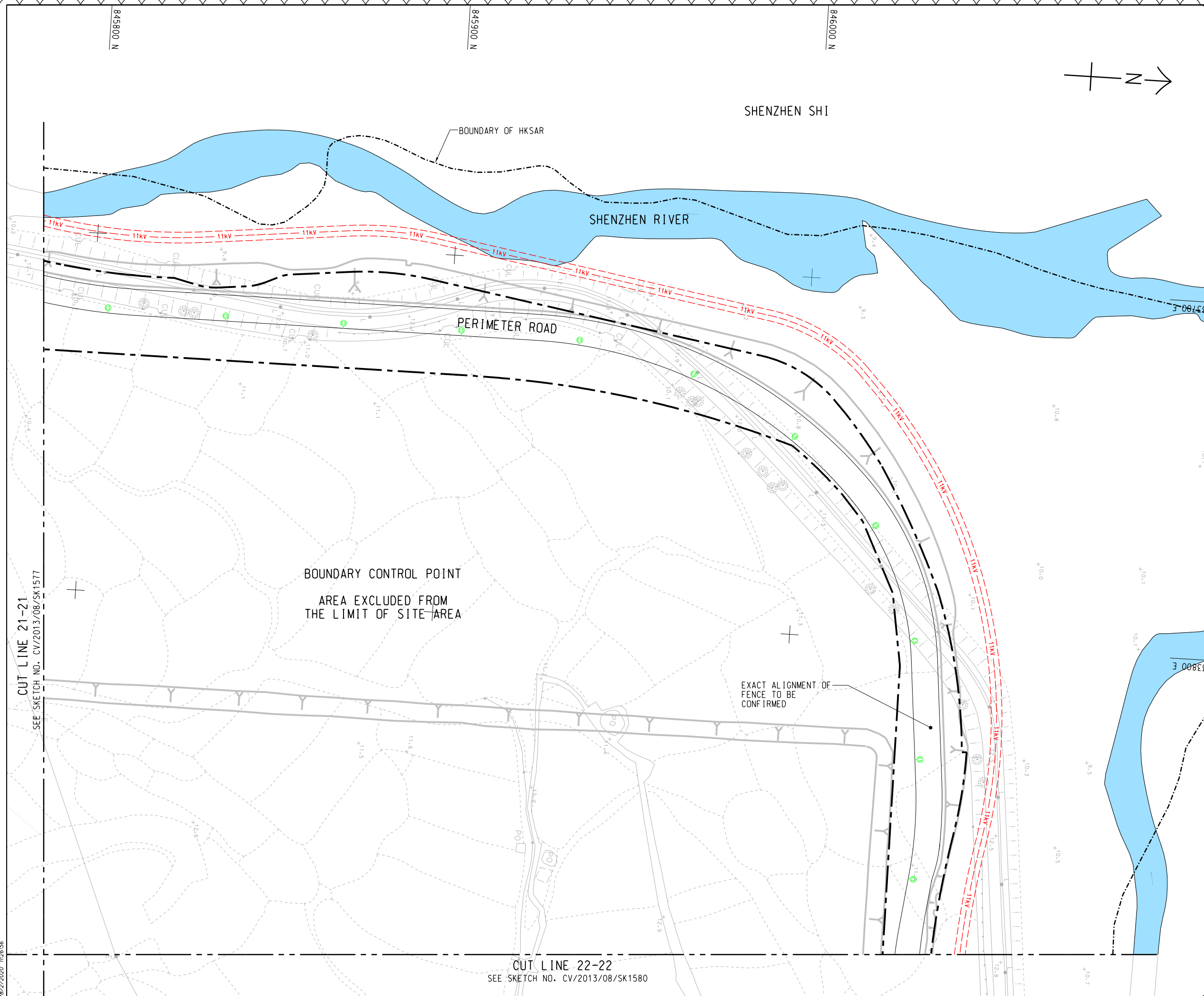
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NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1719A.

C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	20/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	19/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

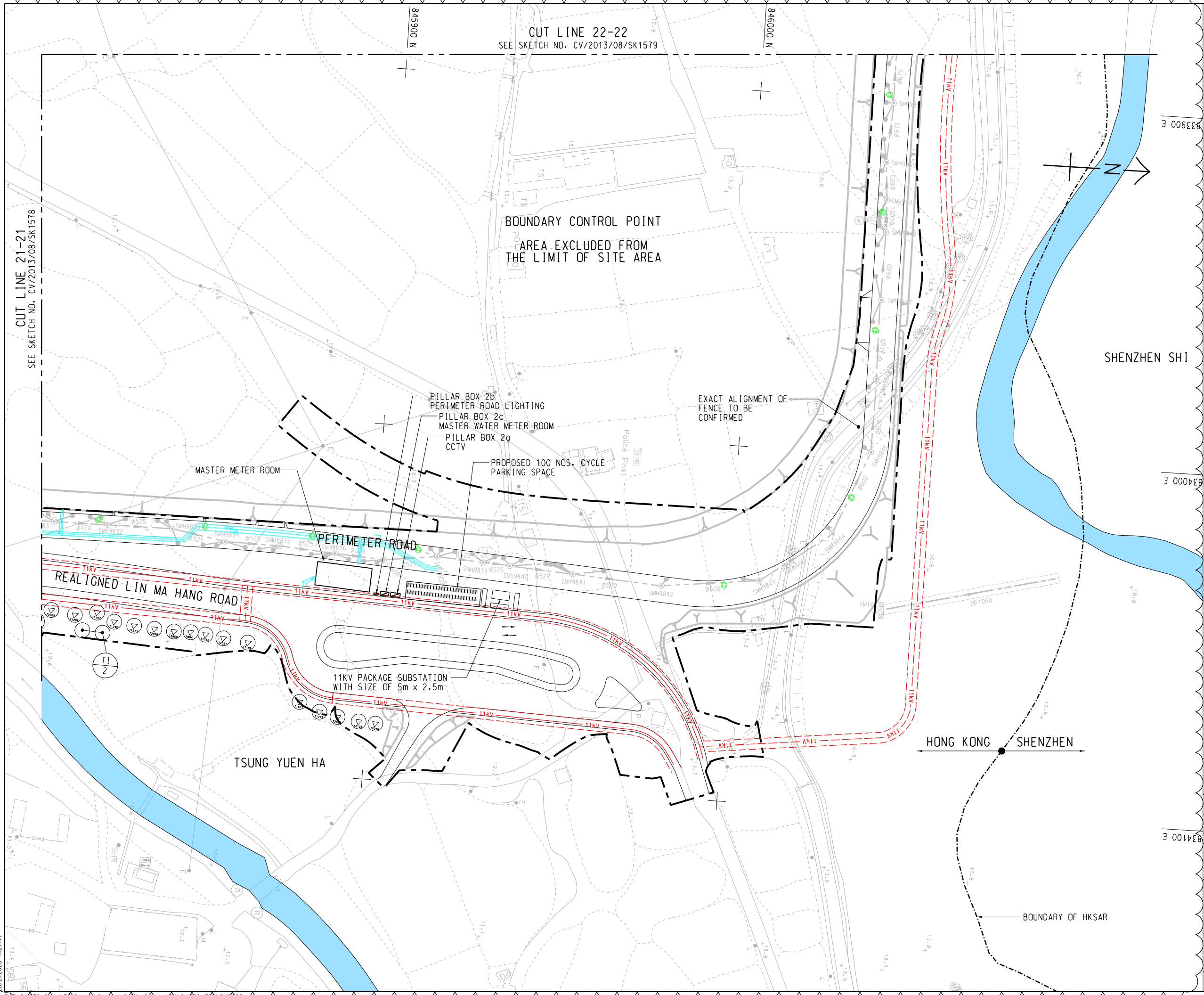
TITLE:

TREE PLANTING PLAN

(SHEET 19 OF 20)

SKETCH NO.	CV/2013/08/SK1579C
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SCALE
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NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.

REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1720C.

C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	20/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

Rev.	Date	Description	Drawn	Prepared	Checked
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AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

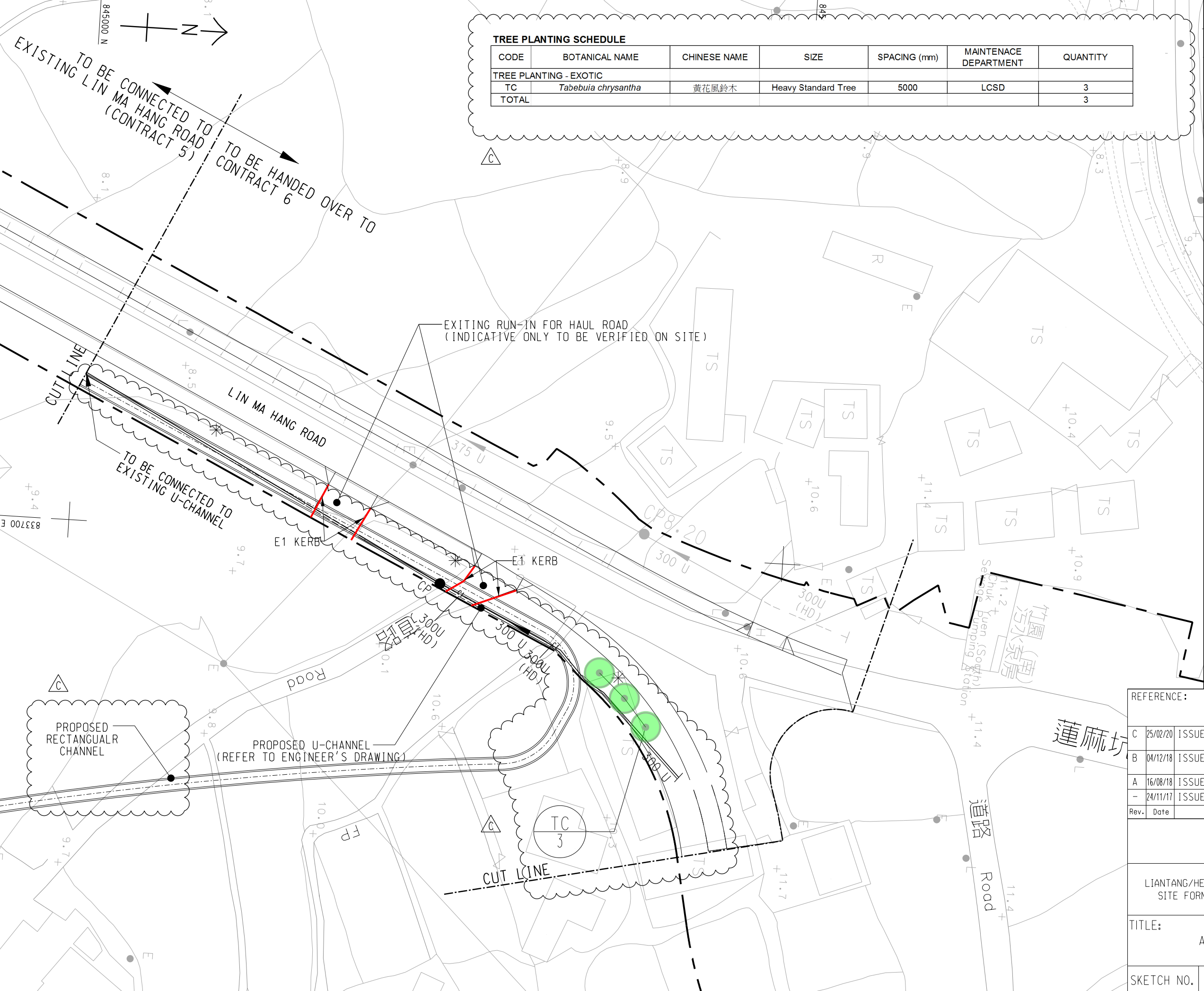
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TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1580C

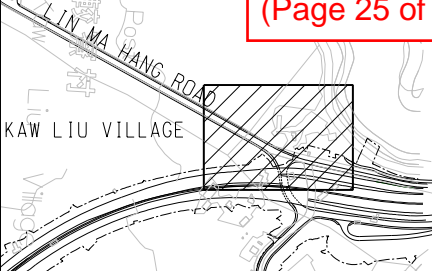
(SHEET 20 OF 20)

SCALE 1:1000 (A3)



TREE PLANTING SCHEDULE

CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	MAINTENACE DEPARTMENT	QUANTITY
TREE PLANTING - EXOTIC						
TC	Tabebuia chrysantha	黃花風鈴木	Heavy Standard Tree	5000	LCSO	3
TOTAL						3



KEY PLAN
SCALE 1 : 10000

NOTE:

- FOR GENERAL NOTE PLEASE REFER TO CV/2013/08/SK1915.
- FOR PROPOSED IRRIGATION AND U-CHANNEL REFER TO ENGINEER'S DRAWING.
- PLEASE REFER TO SKETCH NO. CV/2013/08/SK1665 AND SK1667 FOR PLANTING DETAILS.

- LEGEND:
- SITE BOUNDARY
 - 300 U PROPOSED U-CHANNEL AT SIZE AS STATED
 - 300 U (HD) PROPOSED U-CHANNEL AT SIZE AS STATED WITH HEAVY DUTY COVER
 - CP PROPOSED CATCHPIT WITH COVER
 - PROPOSED COMPENSATORY TREE PLANTING (5M SPACING)
 - * WATER POINT

REFERENCE:

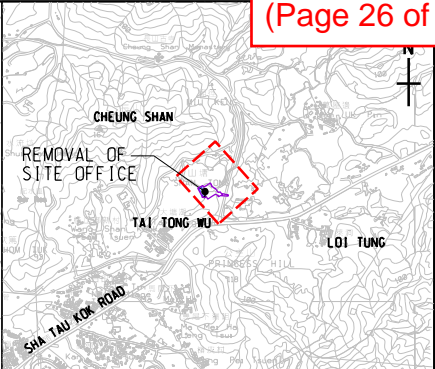
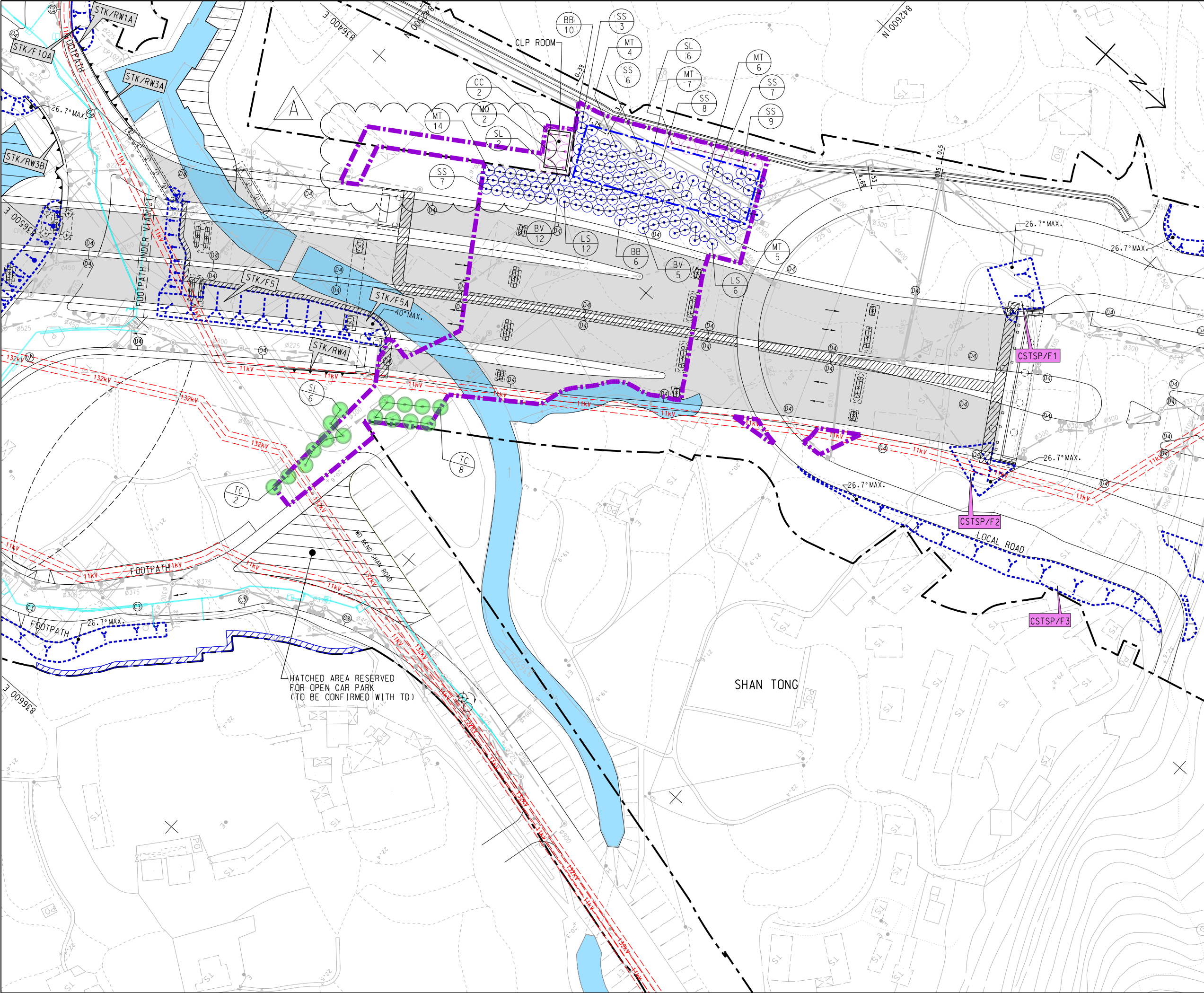
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B	04/12/18	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	16/08/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	24/11/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: UNDER BRIDGE D -
ADDITIONAL TREE PLANTING
IN PLANTING BED F

SKETCH NO.	CV/2013/08/SK2120C	SCALE 1:500(A3)
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KEYPLAN

NOTE:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
DRAWING NOS. CV/2013/08/SK3380 & SK3381.

LEGEND:

- AREA TO BE TAKEN OVER BY TERM CONTRACTOR FOR LANDSCAPE WORKS
- C6 SITE OFFICE
- PROPOSED COMPENSATORY TREE PLANTING (5m SPACING)
- PROPOSED COMPENSATORY TREE PLANTING (3m SPACING)

REFERENCE:

A	19/03/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	10/12/19	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: REMOVAL OF SITE OFFICE
(STAGE 3)
- TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK3379A SCALE 1:1000 (A3)

CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD(S)	SPACING (mm)	Drawing No.								Total
					1561	1565	1566	1570	1574	1575	2120	3379	
Tree Planting - Native													
BJ	<i>Bischofia javanica</i>	秋楓	Heavy Standard Tree	5000		6	16		14				36
LF	<i>Liquidambar formosana</i>	楓香	Heavy Standard Tree	5000	24								24
GO	<i>Garcinia oblongifolia</i>	嶺南山竹子	Heavy Standard Tree	5000	16			26					42
ECH	<i>Elaeocarpus chinensis</i>	中華杜英	Standard Tree	5000	16			8					24
RT	<i>Reevesia thyrsoides</i>	梭羅樹	Standard Tree	5000				31		6			37
SL	<i>Sterculia lanceolata</i>	假蘋婆	Heavy Standard Tree	5000	10			33				6	49
Tree Planting - Exotic													
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	Heavy Standard Tree	5000	3								3
CR	<i>Callistemon rigidus</i>	紅千層	Standard Tree	5000		7	23		10				40
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	Heavy Standard Tree	5000	29			21					50
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	Heavy Standard Tree	3000						26			26
BA	<i>Brachychiton acerifolius</i>	槭葉蘋婆	Heavy Standard Tree	5000					20				20
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	Heavy Standard Tree	5000	79			70	31	15	3	10	208
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	Heavy Standard Tree	5000	33	15		13	8	21			90
Total					210	28	39	202	83	68	3	16	649
					210	67	202	154	16				
					STKI	Bridge B	PYI	LMHR	Site office				



北區水務工程處
新界上水智昌路13號石湖墟市政大廈4樓
North District Environmental Hygiene Office
4/F, Shek Wu Hui Municipal Services Building
No. 13, Chi Cheong Road, Sheung Shui, New Territories
電話 Tel : 2679 2800 傳真 Fax : 2679 5695

Our ref: (17) in FEHD N 1-150/10/15/2012(3)
Your ref: PWKL:cfwl:60212563/C6/C55/200-2017011519W

AECOM
8/F Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong
(Attn: Ms. Pat LAM)
(Fax: 3922 9797)

17 November 2017

Dear Ms. LAM,

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and associated works
(Site Formation and Infrastructures) – Design and Construction
Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6
Soft Landscape Works Proposal and Demarcation of Maintenance Responsibility

I refer to your letter dated 3.10.2017. Please be informed that this office have no comment on the soft landscape works proposal.

Yours sincerely,

(WONG Kam-yan, Oliver)
for Director of Food and Environmental Hygiene

ER(CV/2013/08)

By Fax Only

MEMO

From	PM(N), CEDD	To	Distribution
Ref.	(196E6) in NDO-30-4160-CV/2012/08-C05-200	(Attn.: _____)	
Tel. No.	3547 1642	Fax No.	3547 1659
E-mail	mktang@cedd.gov.hk	dated	_____ Fax. No. _____
Date	22 May 2019	Total Pages	1+Encl

Agreement No. CE 38/2010 (CE)
Liantang/Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructure) – Design and Construction

Coordination Meeting for HyD's Unresolved
Management and Maintenance (M&M) Responsibility

I enclose the notes of meeting for the captioned meeting held on 20 March 2019 for your retention.

2. Should you have any question, please do not hesitate to contact me at 3547 1642.

(Steve M.K. TANG)
for Project Manager (North)
Civil Engineering and Development Department

Encl.

Distribution

HyD/NT (Attn.: Mr. S S WONG – Fax: 3526 0154)
HyD/LU (Attn.: Mr. Y T CHOW – Fax: 2310 8438)

c.c.
AECOM (Attn.: Mr. Julian LING – Fax: 2171 3498)

Internal
CE/N1, SE/1(N), SE/2(N), SE/4(N), E/2(N), E/4(N), E/5(N) – please note on file.



Agreement No. CE 38/2010(CE)**Liantang/Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction**Coordination Meeting on Unresolved Maintenance Responsibilities

Date : 20 March 2019 (Wed)

Time : 3:30 p.m.

Venue : Conference Room, Unit 1501, Tower I,
Metroplaza, Kwai Fong

Present :

CEDD

Mr C H LAI	PM(N)
Mr Joe H P YIP	CE/N1
Mr P Y LU	SE/1(N)
Mr Michael CHAN	SE/2(N)
Mr Benedict YAU	E/5(N)
Mr Ben HO	E/8(N)

NT/HyD

Mr Frankie CHOU	RHE/NT
Mr K Y YUNG	PPC/CB
Mr S S WONG	SE/CB1
Mr Bryan CHONG	PC1/CB1

LandscapeD/HyD

Mr Y T CHOW	SLA/D(NT)
Ms Sandy CHAN	LA/D(NTE)

<u>Item</u>	<u>Description</u>	<u>Action by</u>
1	Introduction	
1.1	CEDD welcomed HyD for attending the coordination meeting to discuss the unresolved maintenance responsibilities of the Liantang/Heung Yuen Wai Boundary Control Point (LT/HYW BCP) and Associated Works (including Heung Yuen Wai Highway (HYWH)) project with a view to agreeing on the unresolved issues as far as possible.	
2.	Discussion Items	
	<u><i>Cross-boundary Pedestrian Bridge (HK side)</i></u>	
2.1	CEDD briefed the meeting that the pedestrian bridge linked the Hong Kong's Passengers Terminal Building (PTB) with the pedestrian bridge of Shenzhen side without direct connection to the public road system, and would complement the PTB's function of serving the cross-boundary passengers. The bridge structure was designed to meet HyD's standards and requirements. CEDD further said that the bridge structure including the facades and roof greening was constructed by CEDD while the internal Architectural, Builders' Works and Finishes (ABWF) of the bridge were designed and constructed by ArchSD. A Building Management Committee (BMC) for the Boundary Control Point would be formed to manage the PTB and the pedestrian bridge, and the routine upkeeping works of the bridge, e.g. general cleansing, watering of vegetation, etc would be carried out by a Facility Management Contactor to be engaged by C&ED and managed by the BMC.	
2.2	CEDD proposed the following division of maintenance responsibilities for the pedestrian bridge: <ul style="list-style-type: none"> ✧ NT/HyD – take up the maintenance responsibility of bridge RC structure (including joints and bearings) and the facades; ✧ ArchSD – take up the maintenance responsibility of the internal ABWF; ✧ EMSTF (engaged by BMC) – take up maintenance responsibility of E&M works. 	
2.3	After discussion, NT/HyD advised that they would take up the	

Item	Description	Action by
	maintenance responsibility of bridge RC structure (including joints and bearings) but not the facades. CEDD would follow up with ArchSD for maintenance responsibility of the internal ABWF as well as the facades.	CEDD
	<u>Gates on Four Cross-Boundary Vehicular Bridges</u>	
2.4	CEDD briefed that steel gates were required to be installed on the four cross-boundary vehicular bridges for operational need, and proposed the following: ✧ BMC – take up the operation and management responsibility; and ✧ HyD – take up the maintenance responsibility	
2.5	NT/HyD agreed to take up the maintenance responsibility of the four steel gates.	
	<u>Toilet and Plumbing Facilities in Tunnel Ventilation Buildings</u>	
2.6	CEDD stated that TD confirmed in the meeting of 3 October 2018 that the 4 toilets in the ventilation buildings were needed for the use by their staff.	
2.7	NT/HyD expressed that they would not take up the maintenance of the concerned toilets and associated plumbing systems as the facilities were not under HyD's ambit. As such, CEDD would further liaise with TD.	CEDD
	<u>Planters along Viaducts of HYWH</u>	
2.8	CEDD informed that provision of planters along viaducts were one of the environmental mitigation measures under the Environmental Permit. The viaducts were designed as expressway with speed limit of 80 km/hr according to HyD's standards. However, the Connecting Road was designated as "tunnel area" instead of "expressway" by TD. LCSD had advised that DEVB TC(W) No. 6/2015 did not specify the horticultural maintenance in tunnel area to be under LCSD's responsibility. In this connection, CEDD recommended HyD to take up the maintenance responsibility of the planting along the viaducts.	
2.9	LandscapeD/HyD said that according to Appendix A of DEVB TC(W) No. 6/2015 and similar to the case of public housing, the maintenance	

Item	Description	Action by
	department should take up the vegetation maintenance responsibility on the vested land, i.e. TD for tunnel area with vesting order. LandscapeD/HyD was willing to provide expert advice to TD to facilitate their vegetation maintenance works. CEDD would further liaise with TD on this issue.	CEDD
	<u>Berm Planters on Roadside Slopes of HYWH</u>	
2.10	CEDD suggested HyD to take up the maintenance responsibility for the soft landscape works on the lowest batter in accordance with para. 22 of DEVB TC(W) No. 6/2015 as HyD had already agreed to take up other berm planters of the same slopes.	
2.11	LandscapeD/HyD advised that they would consider taking up the maintenance of the planting works on the toe planters on the lowest batter of slope nos. STK/C1 & STK/C2 in view of their locations along slip roads with infrequent visit by the public, even though such vegetation maintenance is not under HyD's ambit according to DEVB TC(W) No. 6/2015. CEDD would approach the maintenance department as designated in the technical circular first (i.e. LCSD). As a fallback option, CEDD would provide the extent of the concerned soft landscape for LandscapeD/HyD's review.	CEDD
	<u>Demarcation for LCSD's Planting Area (i.e. Kerb for Roadside Planters)</u>	
2.12	CEDD briefed that concrete kerbs were provided around roadside planters for clear demarcation of the planting area to facilitate LCSD's maintenance of the soft landscape works.	
2.13	NT/HyD agreed to take up the maintenance responsibility of the concrete kerbs around the planters.	
3	<u>A.O.B</u>	
3.1	LandscapeD/HyD advised that they agreed to provide expert advice to TD for their monitoring of contractor's performance on maintenance of planting/vegetation in the ventilation and administration buildings of HYWH.	

Item	Description	Action by
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3.2	The meeting was adjourned at 5:00 pm.	
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- END -

MEMO

From	PM(N), CEDD	To	Distribution
Ref.	() in NDO-30-4160-CV/2012/08-C05-200	(Attn.:	
Tel. No.	3547 1642	Fax No.	3547 1659
E-mail	mktang@cedd.gov.hk	Your Ref.	in
Date	21 June 2019	dated	Fax. No.
		Total Pages	1+Encl.

Agreement No. CE 38/2010 (CE)
Liantang/Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructure) – Design and Construction

Management and Maintenance (M&M) Responsibility
for Hard and Soft Landscape on Viaducts along Heung Yuen Wai Highway

I refer to TD's memo dated 31 May 2019 addressed to our office and copied to your office regarding the captioned.

2. As stated in item "H. Miscellaneous" of Schedule XVIII of the MOM Contract (see extract attached), it is noted that HyD is responsible for maintaining both hard and soft landscape for the viaducts along Heung Yuen Wai Highway during the current MOM contract period ending on 18 May 2014. In this connection, our resident site staff would follow up you for handover of the hard and soft landscape on viaducts.

3. Should you have any question, please do not hesitate to contact me at 3547 1642.


(Steve M.K. TANG)
for Project Manager (North)
Civil Engineering and Development Department

Distribution

HyD/LD (Attn.: Mr. Y T CHOW – Fax: 2310 8438)
HyD/NT (Attn.: Mr. Bryan CHONG – Fax: 3526 0154)

C.C.

TD (Attn.: Mr. Icarus YEUNG – Fax: 2519 8094)
AECOM (Attn.: Mr. Julian LING – Fax: 2171 3498)

Internal

CE/N1, SE/1(N), SE/3(N), E/7(N) – please note on file.

Item of Work	Responsible Government Department
6. Security fence or boundary wall of Ventilation Buildings	Highways Department (NT Region)
7. Boundary wall of Administration Building	Architectural Services Department or agents appointed by the Government
D. Fire mains and Fire Hydrants	
1. On roads and viaducts of open area	Highways Department (NT Region) / Water Services Department
E. Water mains	
1. Within the Tunnel Area (except Administration Buildings)	Highways Department (NT Region) / Water Services Department
2. Within Administration Building	Architectural Services Department or agents appointed by the Government
F. Cleansing	
1. Road drains and culverts	Highways Department (NT Region)
2. Road surface on roads and viaducts of open area	Highways Department (NT Region)
G. Building Services Installations	
1. Exclusive drainage, sewerage and water supply system (except fire service system) of the Administration Building, fuel attendance office and carpark canopy structures including pipes and manholes (excluding cleansing)	Architectural Services Department or agents appointed by the Government
2. Drainage systems in open area, exclusive drainage and sewage systems (including sewage holding tanks, sewage manholes and associated pipes at ground levels within building) of the buildings (other than Administration Building) (excluding cleansing)	Highways Department (NT Region)
H. Miscellaneous	
1. Hard landscape (e.g. planters) on roads and viaducts of open area	Highways Department (NT Region)

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Item of Work	Responsible Government Department
2. Soft landscape on open roads including viaducts	Highways Department (Landscape Unit)
3. Soft landscape in the Administration Building and Ventilation Buildings (First Contract Year)	Civil Engineering and Development Department or agents appointed by the Government
4. Exclusive Police Communication System	Hong Kong Police Force

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B03
(Page 1 of 1)

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MEMO

By fax and

From Project Manager (North), CEDD
Ref. () in NDO-30-4160-CV/2013/03/C55/100
Tel. No. 3547 1638
Fax No. 3547 1659
Date 23 July 2018

To North District Leisure Services Office, LCSD
(Attn: Mr. Yip Chi-hing)
Your Ref. () in
dated Fax No. 2671 5410
Total Pages 1

Contract No. CV/2013/03
Liantang/Heung Yuen Wai Boundary Control Point –
Site Formation and Infrastructure Works – Contract 5

Landscape Enhancement Works along the re-aligned Lin Ma Hang Road to be
handed over to LCSD for Maintenance (Reminder Memo)

I refer to my memo ref. () in NDO-30-4160-CV/2013/03/C55/100 dated 11 June 2018 regarding the captioned subject.

Although I have re-confirmed to your goodself recently over the phone that LCSD has no objection to take up the maintenance responsibility of the landscape softworks along Lin Ma Hang Road, your formal agreement is still outstanding. Grateful if you could formally reply us **by 27 July 2018** for our better arrangement and coordination with our landscape contractor in order to kick start of the landscape enhancement works on site.

Should you have any queries, please contact the undersigned at 3547 1638.

(Jeffrey Y. C. LUK)
for Project Manager (North)
North Development Office
Civil Engineering and Development Department

c.c. AECOM (Attn.: Mr. Simon Leung & Ms. Carol Leung) Fax No.: 2251 0698

Appendix V

***Correspondences with Relevant Maintenance Parties for
The Proposed Landscape Mitigation Measures under Environmental Permit No. EP-404/2011/D***

Agreement No. CE 38/2010 (CE)

**Liantang / Heung Yuen Wai Boundary Control Point and associated works
(Site Formation and Infrastructures) – Design and Construction**

Landscape Plan (Rev. 4)

**Summary of Agreement from Relevant Maintenance Parties for
The Proposed Landscape Mitigation Measures under EP-404/2011/D**

Contract	Maintenance Party	Planting locations	Status	Correspondences	
Project-wide Issue	LandsD	UUGLs	LandsD stated that “they would take up the vegetation on UUGL for ad-hoc maintenance after the establishment. Details requirement for the handover such as chaining fence with lockable gate could be further liaised with DLO.”	1	Minutes of Meeting for the 1 st Liaison Meeting on Revised Landscape Plan (Rev.3) under No. EP-404/2011/A Condition 2.11 ref: (CV/2013/08)/M30/140/(H09220) dated 21 January 2019 (7 pages in total)
3	HyD/LD	Slope Features and Central Median of Fanling Highway	No further comment.	2	HyD’s memo ref: (66EZ) in HyD LSC/14-7/10/2 dated 26 February 2019 (1 page in total)
	HyD/NT	Associated slopes along Tai Wo Service Road East	No objection to taking up the maintenance responsibility of the associated slopes if they were managed by TD, and TD had agreed with the management responsibility.	3	CEDD’s memo ref: (014VPV) in NDO-30-4160-CV/2012/09/C05-600 dated 28 March 2019 (6 pages in total)
		Associated slopes along Tai Wo Service Road West (Slope No.: 3SW-D/C80 and feature adjoining Slope No.: D/C-80)	No further comment.	4 5	HyD’s letter ref: (TQD6) in HyD NT/12-2/1/8-CB dated 15 September 2014 (1 page in total) HyD’s letter ref: (UJXF) in HyD NT/12-2/1/8-CB dated 2 February 2015 (1 page in total)
	LCSD	Planting area along cycle track	No further comment.	6	LCSD’s reply via email dated 15 September 2017 (13 pages in total)
		Planting area along Tai Wo Service Road West	No further comment.	7 8	LCSD’s reply via email dated 30 October 2017 (24 pages in total) LCSD’s reply via email dated 21 June 2018 (2 pages in total)
		Planting area along Realigned Tai Wo Service Road East	No further comment.	9	LCSD’s reply via email dated 15 November 2017 (9 pages in total)
		Additional soft landscape area along Tai Wo Service Road East	No further comment.	10	LCSD’s reply via email dated 21 June 2019 (3 pages in total)
		AC10 planting area	No further comment.	11	LCSD’s reply via email dated 14 January 2020 (9 pages in total)
		Tree and palm planting proposal and maintenance access proposal for WSD watermain and utilities	No further comment.	12	LCSD’s reply via email dated 12 May 2020 (10 pages in total)
	HyD/LD	Slope Features and Berm Planters on LSTNP/C1, STK/C1 and STK/C2	No comment on colour and finishing of granite stone applied on berm planter.	13	HyD’s memo ref. (64KE) in HyD LSC/14-7/10/2 dated 15 January 2019 (2 pages in total)
			No further comment on Landscape Softwork Proposal.	14	HyD’s memo ref. (6D5P) in HyD LSC/14-7/10/2 dated 25 July 2019 (1 page in total)
			No comment on weeping plants on toe planter wall at berm planters.	15	HyD’s memo ref. (6PLT) in HyD LSC/14-7/10/2 dated 16 April 2020 (1 page in total)
			No comment on slope feature nos. LSTSP/F2 and LSTSP/C1.	16	HyD’s memo ref. (6PLM) in HyD LSC/14-7/10/2 dated 16 April 2020 (1 page in total)
2			No comment on alternative species for woodland mix and shrub mix planting.	17	HyD’s memo ref. (6PY2) in HyD LSC/14-7/10/2 dated 27 April 2020 (1 page in total)

2	HyD/NT	Slope Features and Berm Planters on LSTNP/C1, STK/C1 and STK/C2	No comment on the slope features. No objection to the granite stone applied on berm planters. Wire mesh should be applied to further mitigate the slope surface erosion.	18 19 20	HyD's letter ref: (119WC) in HyD NT/12-2/1/17-CB dated 24 January 2018 (2 pages in total) HyD's letter ref: (13M8P) in HyD NT/12-2/1/17-CB dated 22 February 2019 (1 page in total) HyD's letter ref: (1633R) in HyD NT/12-2/1/17-CB dated 7 May 2020 (1 page in total)
	LCSD	SA05	No objection in principle.	21 22	LCSD's reply via email dated 19 November 2018 (12 pages in total) LCSD's reply via email dated 2 October 2019 (28 pages in total)
		Outside Administration Building	No further comment.	23	LCSD's reply via email dated 24 October 2019 (8 pages in total)
	TD	Administration Building, Lung Shan Tunnel North, South and Mid Ventilation Buildings	TD engaged a MOM contractor for carrying out daily operation and non-structural maintenance of the Tunnels, including the horticultural maintenance for the vegetation areas of the Administration Building and Ventilation Buildings; while HyD/LD would provide expertise advice for monitoring the MOM Contractor's performance on horticultural maintenance.	24	TD's letter ref: TD TPM/151/123/8C dated 5 July 2019 (9 pages in total)
6	HyD/LD	Slope Features and Berm Planters on CSTNP/C1, CSTSP/C1, WKS/C1, WKS/C2, WKS/C3 and WKS/C5	No further comment.	25	HyD's letter ref: (6PLR) in HyD LSC/14-7/10/2 dated 16 April 2020 (1 page in total)
	HyD/NT	Berm Planters on CSTNP/C1, CSTSP/C1, WKS/C1, WKS/C2, WKS/C3 and WKS/C5	No further comment.	26 27	HyD's memo ref: (13SQ0) in HyD NT/12-2/1/17-CB dated 20 March 2019 (1 page in total) HyD's memo ref: (14CL3) in HyD NT/12-2/1/17-CB dated 25 June 2019 (1 page in total)
		General landscapes	No further comment.	28	HyD's letter ref: (16423) in HyD NT/12-2/1/17-CB dated 12 May 2020 (1 page in total)
		BCP/RW3 (Contractor's cost saving design)	No further comment.	29	HyD's letter ref: (132DU) in HyD NT/12-2/1/17-CB dated 15 November 2018 (1 page in total)
	LCSD	Roadside planting areas	No further comment.	22 23 30	LCSD's reply via email dated 2 October 2019 (28 pages in total) LCSD's reply via email dated 24 October 2019 (8 pages in total) LCSD's reply via email dated 16 January 2020 (3 pages in total)
		Wo Keng Shan Road Garden	No further comment.	31	LCSD's letter ref: () in LCS 1/HQ 715/11(3) Pt.13 dated 3 October 2019 (1 page in total)
	ArchSD	Wo Keng Shan Road Garden	Pending ArchSD's reply.	32	AECOM's letter ref: (CV/2013/08)/C55/200/(H10353) dated 16 September 2019 (3 pages in total)
	TD	Cheung Shan Tunnel North and South Ventilation Buildings	TD engaged a MOM contractor for carrying out daily operation and non-structural maintenance of the Tunnels, including the horticultural maintenance for the vegetation areas of the Administration Building and Ventilation Buildings; while HyD/LD would provide expertise advice for monitoring the MOM Contractor's performance on horticultural maintenance.	24	TD's letter ref: TD TPM/151/123/8C dated 5 July 2019 (9 pages in total)
	LCSD	Roadside planting area along Lin Ma Hang Road	No further comment.	33 34	LCSD's reply via email dated 22 March 2019 (3 pages in total) LCSD's reply via email dated 27 May 2019 (4 pages in total)



AECOM
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Correspondence 1
(Page 1 of 7)

Correspondence 1
(Page 2 of 7)

Your Ref. :
Our Ref. : (CV/2013/08)/M30/140/(H09220)

21 January 2019

Distribution List

Dear Sir/Madam,

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and associated works
(Site Formation and Infrastructures) – Design and Construction

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Minutes of Meeting for the 1st Liaison Meeting on Revised Landscape Plan (Rev. 3) under
No. EP-404/201/A Condition 2.11

Further to the 1st Liaison Meeting on Landscape Plan under EP dated 1 November 2018 for the captioned project, please find attached the minutes of meeting for your retention.

Should you have any questions, please contact my Senior Resident Landscape Architect – Ms. Carol Leung, at tel. no. 2171 3405.

Yours faithfully,


Simon Leung
Chief Resident Engineer
AECOM Asia Co. Ltd.

Encl.

c.c. CEDD/NDO – Attn: Mr. Joe Yip / Mr. Steve Lo / Mr. P. Y. Yu
AECOM – Attn: Mr. Francis Leong / Mr. Pat Lam / Ms. Elaine Lam
ER (CV/2012/08)
ER (CV/2012/09)

SL/JL/CLS/TNTK/MLWK/elyh


Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and associated works
(Site Formation and Infrastructures) – Design and Construction

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Minutes of Meeting for the 1st Liaison Meeting on Revised Landscape Plan (Rev. 3)
under No. EP-404/201/A Condition 2.11

Distribution List

1.	Civil Engineering and Development Department New Territories East Development Office Branch 2 Boundary Control Point Division Unit 813, Level 8, Tower I, Metroplaza, 223 Hing Fong Road, Kwai Fong, N.T. <u>Attn: Mr. LU Pei Yu</u>	2.	Highways Department New Territories Region Cross Boundary Maintenance Section Cross Boundary Maintenance Section(1) Units 1708-13, The Harbourfront Tower 1, 18-22 Tak Fung Street, Hung Hom, Kowloon <u>Attn: Mr. CHONG Yin Fai, Bryan</u>
3.	Highways Department Headquarters Landscape Division 6th Floor, Trade and Industry Tower, 3 Concorde Road, San Po Kong, Kowloon <u>Attn: Ms. Sandy Chan</u>	4.	Planning Department District Planning Branch Special Duties Division Urban Design & Landscape Section Landscape Unit 15/F, North Point Government Offices, 333 Java Road, Hong Kong <u>Ms. CHEUNG Kar Yan, Tammy</u>
5.	Environmental Protection Department Strategic Assessment Group Sheung Shui, Fanling, Tai Po Section (6) 27th floor, Southorn Centre, 130 Hennessy Road, Wan Chai, Hong Kong <u>Attn: Mr. WONG Chi Chung, Chris</u>	6.	Lands Department Lands Administration Office District Lands Office, Tai Po 1st floor, Tai Po Government Offices, 1 Ting Kok Road Tai Po, N.T. <u>Attn: Mr. Chan Sui Lok</u>
7.	Lands Department District Lands Office, North 6th floor, North District Government Offices 3 Pik Fung Road, Fanling, NT <u>Attn: Ms. Huang Yu Ling</u>	8.	SMEC Asia Limited Unit A-C, 27/F Ford Glory Plaza 37-39 Wing Hong Street Cheung Sha Wan, Kowloon Hong Kong <u>Attn: Mr. Antony Wong</u>

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and associated works
(Site Formation and Infrastructures) – Design and Construction

Minutes of Meeting for the 1st Liaison Meeting on Revised Landscape Plan (Rev. 3)
under No. EP-404/201/A Condition 2.11

Date:	1 November 2018 (Thursday)		
Time:	09:45 - 12:00		
Venue:	Conference Room 1501, 15/F, Tower 1, Metroplaza, Kwai Fong		
Present:	Ms. Tera Yau Ms. Gigi Ng	Senior Landscape Architect Landscape Architect	Planning Department (hereinafter called "PlanD")
	Mr. Terrence Mr. Steve Li Mr. Chris Wong	PEPO SEPO AEPO	Environmental Protection Department (hereinafter called "EPD")
	Mr. Lee Kin Fai Mr. Antony Chan	Ch Land Ex/Project (District Lands Office, North) Land Ex/Special Duties 2 (District Lands Office, North)	Lands Department (hereinafter called "LandsD")
	Mr. Joe Yip Mr. PY Lu Mr. Jefferson Ngai	Chief Engineer Senior Engineer Engineer	Civil Engineer and Development Department (hereinafter called "CEDD")
	Mr. Simon Leung Mr. Julian Ling Ms. Carol Leung	Chief Resident Engineer of C6 Senior Resident Engineer Senior Resident Landscape Architect	AECOM Asia Co. Ltd. (hereinafter called "AECOM")
	Ms. Vicky Lam Ms. Elaine Lam	Assistant Resident Landscape Architect Associate	
	Mr. Antony Wong	Technical Director	SMEC (hereinafter called "SMEC")

Item	Discussion	Action
1.0	Introduction	
1.1	The purpose of the meeting was to i) provide the background of the EIAO's requirement and the approval history of the Landscape Plan for this project; and ii) to explain to the departments regarding the reasons and the major changes in the revised Landscape Plan.	
1.2	Landscape Plan (Rev. 2) was approved in 4 September 2014 in accordance with the Environmental Permit No. EP-404/201/A Condition 2.11. After the commencement of various Contracts, site constraints were identified and departmental comments on the detailed landscape implementation were received; it contributed to the necessity of revising the approved Landscape Plan.	

Item	Discussion	Action
1.3	AECOM gave a presentation (copy attached) on the proposed changes.	
2.0	Omission of Planting Under Viaduct (OM3, OM4, OM5 and OM6)	
2.1	AECOM explained the reasons of omitting the planting under viaduct: <ul style="list-style-type: none"> i. Potential change of land use under viaduct area (i.e. car park) as requested by TD. ii. Local villagers request to convert the areas under viaduct into sitting out area for public enjoyment and the discussion is on-going at the moment iii. Disputes on future maintenance of planting 	Noted
2.2	CEDD supplemented that the car park was required for operation of LT/HYW BCP and it had been confirmed by TD; while the sitting out area as suggested by the local villagers was now under discussion.	CEDD/ AECOM
2.3	AECOM proposed to increase the quantity of buffer tree (OM4) / Compensatory tree (OM3) by two sides of viaduct; and maintain the climbers of shade tolerant palm improve the aesthetic value of areas under viaduct (OM6).	AECOM
2.4	AECOM confirmed that the revised landscape treatment proposal would not involve material change nor violate the Approved EP, therefore, an application of VEP was considered not necessary.	AECOM
2.5	PlanD suggested CEDD to provide landscape treatment as minimal as "hydroseeding", in order to maintain the approved landscape mitigation measures given that the implementation programme of the carpark and sitting out area had not yet been firmed up at this moment.	CEDD
2.6	CEDD agreed PlanD's suggestion and stated that they would speed up the liaison with relevant government departments regarding the details and implementation programme of the carpark and sitting out area.	CEDD
2.7	AECOM would incorporate PlanD suggestion into the upcoming submission.	AECOM
3.0	Proposed Berm Planter as Revised Landscape Treatment on some New Feature Slopes(OM7)	
3.1	AECOM explained that site constraints had restricted the implementation of woodland mix planting (WMP) on new feature LSTNP/C1 (Eastern Portion), STK/C1 and STK/C2 under Contract 2; and CSTNP/C1, CSTSP/C1, WKS/C1, WKS/C3, WKS/C3 and WKS/C5. The soil condition of these slopes was identified as weathering tuff mixed with hard rock in various sizes which was not suitable for planting. With reference to the succeed slope feature LSTNP/C1 (Western Portion), AECOM presented an alternative landscape treatment proposal of spraying hydroseeding with the provision of erosion control mat on the slope surface and constructing continuous berm planter at the bottom of every batter of the slope with shrubs and climbers planting, in order to archive the approved landscape mitigation measure (OM7- Landscape Slope).	Noted AECOM
3.2	PlanD and EPD had no objection in principle to AECOM's revised proposal, but and requested AECOM to provide full justification in the revised landscape plan.	AECOM

Item	Discussion	Action
3.3	PlanD asked AECOM to maximise the greening measures at the shortcreted surface of feature slope CSTNP/C1, in order to reduce adverse visual impact. AECOM explained that 10-15% of the slope was with steep gradient at 70-80 degree. Shortcrete was considered as the most appropriate landscape treatment with respect of safety, growth of planting and visual impact. Since most of the shortcrete surface would be screened off by the ventilation building; the adverse visual impact would be minimised. Moreover, the majority of plant species could not survive in such a steep and shady environment. Nevertheless, AECOM would maximise the greening opportunities, such as increasing the quantity of climbers in the adjacent berm planter and encourage bettering spreading over the shortcrete slope surface.	AECOM
3.4	PlanD had no comment on AECOM's explanation and reminded AECOM to provide all details in the revised landscape plan.	AECOM
3.5	AECOM confirmed that the proposed changes as mentioned above would not involve material change nor violate the Approved EP; therefore, an application of VEP was considered not necessary.	Noted
4.0	<u>Omission of Planting at Noise Barrier (OM2)</u>	
4.1	AECOM reported that the vertical greening along noise barriers as approved in the Landscape Plan (Rev. 2) was now omitted due to the objection from maintenance authority-HyD.	Noted
4.2	AECOM explained that the approved landscape mitigation measures-OM2 required <i>"The form, textures, finishes and colours of the proposed development components should be compatible with the existing surroundings. Light earthy tone colours such as shades of green, shades of grey, shades of brown and off-white may be utilised where technically feasible to reduce the visibility of the development components, including all roadwork, buildings and noise barriers etc."</i> . Since the design of noise barrier had already adopted an earthy tone absorptive panel with green color transparent vertical noise barrier pane, the OM2 should have been archived.	AECOM
4.3	AECOM confirmed that the revised landscape treatment proposal would not involve material change nor violate the Approved EP, therefore, an application of VEP was considered not necessary.	Noted
4.4	PlanD had no comment on such omission to but reminded AECOM to provide figures comparing the change in green ratios with full justification.	AECOM
5.0	<u>Planting works to be implemented by Fanling Bypass Eastern Section(FBES) Project (OM3)</u>	
5.1	AECOM reported that as agreed by the relevant parties, some of the planting works at a portion of UUGL under Contract 3 would be implemented by Fanling Bypass Eastern Section (FBES) Project and would reflect such change in the revised Landscape Plan.	Noted
5.2	AECOM would coordinate with FBES Project to properly indicate this arrangement in both project's landscape plan submission.	AECOM

Item	Discussion	Action
6.0	<u>Reduced Compensatory Trees Quantity to Suit Actual Site Conditions</u>	
6.1	AECOM tabled the change of tree figures after the 1 st approved Tree Preservation and Removal Proposal (TPRP). AECOM explained that 28nr further TPRP were made after the 1 st approval. Number of compensation was increased by 775nr but the numbers of seedling tree were greatly reduced.	Noted
6.2	AECOM elaborated that the reduction of seedling trees were mainly caused by: <ul style="list-style-type: none"> i. Change of site conditions ii. Reduced slope area for woodland mix planting; and iii. HyD's comment on planting spacing (i.e. 1m to 2m plant spacing) 	Noted
6.3	PlanD stated that 1m planting spacing should be a conventional design which had been applying for long time and suggested AECOM to further clarify with HyD on the rationale of the 2m planting spacing.	AECOM
	<i>[Post Meeting Notes: Liaison meeting with LD/HyD was held on 2 November 2018. LD/HyD insisted their requirement on 2m spacing for seeding trees.]</i>	Noted
6.4	AECOM explained that "Quantity" of seedling trees was neither a mandatory requirement in EIA report nor in the approved TPRP. Since woodland mix planting was a <u>format</u> for compensation for felling slope trees, actual quantity of seedling were varied due to the reasons as mentioned in item 6.2.	AECOM
6.5	AECOM further explained that the planting design had been carefully reviewed. The Landscape treatment on Some of the slopes with appropriate slope gradient and suitable soil conditions; had been upgraded as trees and shrub planting instead of WMP. Therefore, AECOM confirmed that the shortfall of seedling would not cause big impact on the coming revised TPRP.	AECOM
6.6	LandsD stated that they would not take up maintenance responsibility of planting on UUGL. CEDD stated that they had recently agreed between DEVB and LandsD's management level, LandsD would take up to vegetation on UUGL for ad-hoc maintenance after the establishment. Details requirement for the handover such as chaining fence with lockable gate could be further liaised with DLO.	AECOM
6.5	LandsD requested AECOM submit the revised TPRP with full justification on the change tree compensation.	Noted
7.0	<u>Programme of Operation and Implementation of Mitigation</u>	
7.1	SMEC noted that LT/HYW BCP and the Connecting Road would be commissioned in phases. In such circumstance, their mitigation measures might not be in place at the same time.	Noted
7.2	After deliberation, SMEC would keep in view the situation and reminded both AECOM and Ronald Lu to provide a programme for all the mitigation for their further review.	SMEC

Item	Discussion	Action
8.0	Next Meeting	
8.1	Another Meeting would be arranged if necessary.	Noted
9.0	Attachment	
9.1	A set of Presentation Materials (total 25 pages) is attached.	

End

FROM : HIGHWAYS DEPT

FAX NO. : +852 2310 8438

01 Mar. 2019 1

Urgent by Fax

MEMO

From	CLA /Landscape Division, HyD	To	NDO, CEDD
Ref. (66EZ)	In HyD LSC/14-7/10/2	(Attn. :)	Mr. Joe IP or Mr. P.Y. LU
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	26 February 2019	Total Pages	1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures). - Design and Construction

Contract 3 – Contract No. CV/2012/09

Responses to Comments on Proposed Soft Landscape Works (Third Submission)

I refer to the submission with drawings, responses-to-comments and supporting documents under the Consultant – AECOM Asia Co. Ltd.'s letter ref. LYL:com:60212563/C3/C10/100-2019001115W dated 8.2.2019 (received on 12.2.2019) addressed to us and copied to others. Please note that I have no further comment from the highways landscape and vegetation maintenance point of view.

Ch2hy
 (CHAN Tai-fung Sandy)
 for Chief Landscape Architect
 Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG [PC1/CB1]
 MWPMO, HyD Attn.: Mr. Allen LEUNG [E3/Tolo]
 AECOM Attn.: Ms. Elaine LAM

Fax: 2714 5228 ,
 Fax: 2714 5289 ,
 Fax: 3922 9797

Internal

SLA/VM(NT) SLA/VM(S) LA/VM(HSR) LA/VM(NTE) LA/D(MW/NT)1 via EDMS

YTC/SC/sc

A

By Fax and

Correspondence 3
(Page 1 of 6)

MEMO


From PM(N), CEDD To Distribution
 Ref. (or VP) in NDO-30-4160- (Attn.:)
 CV/2012/09-C05-600
 Tel. No. 3547 1630 Fax No. 3547 1659
 E-mail pylu@cedd.gov.hk
 Date 28 March 2019 Your Ref. in dated Fax No. Total Pages 1+Encl

Contract No. CV/2012/09
 Liantang/Heung Yuen Wai Boundary Control Point
 Site Formation and Infrastructure Works – Contract 3

Maintenance and Management of Realigned Tai Wo Service Road East

I refer to the attached e-mail from AECOM on 27 February 2019.

2. As stated in AECOM's e-mail, TD will take up the management of the realigned Tai Wo Service Road East (TWSRE) as shown in the green area in the attached sketch.
3. Moreover, as per our discussion in the coordination meeting on 3 October 2018, HyD expressed that they had no objection to take up the maintenance responsibility of the concerned section of TWSRE including footpath, cycletrack and the associated slopes if it was managed by TD (see items 3.2 and 3.3 in the extract of notes of meeting issued to your office on 25.2.2019).
4. As such, the maintenance and management issues for TWSRE within our site is resolved in principle and AECOM will follow up with TD and HyD to complete the handing over procedures for the remaining road works along the TWSRE within our site. I would like to take this opportunity to thank your kind coordination.
3. Should you have any question, please do not hesitate to contact me at 3547 1630.


 (LU Pci-yu)
 for Project Manager (North)
 Civil Engineering and Development Department

Encl.

List

CHE/NTE, HyD	(Attn.: Bryan CHONG)	Fax: 3526 0154
CTE/NTE, TD	(Attn.: Alex LAM)	Fax: 2381 3799
AECOM	(Attn.: Alan LEE)	Fax: 2171 3498



Correspondence 3
(Page 2 of 6)

RE: FW: CV/2012/09 - M&M of Realigned Tai Wo Service Road East (TWSRE)
 27/02/2019 10:56

Hide Details

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com> Sort List...
 To: Alex TH LAM <alexthlam@td.gov.hk>, "pci cb1.nt@hyd.gov.hk"
 <pci cb1.nt@hyd.gov.hk>, "detp1.nt@hyd.gov.hk" <detp1.nt@hyd.gov.hk>,
 Co: "LEE Chun Fai, Alan" <alan.lee@lt-aecom.com>, "Lam, Yee Lin Elaine
 (elaine.lam@aecom.com)" <elaine.lam@aecom.com>, Jacky Chi Hang WONG
 <jackychwong@td.gov.hk>, "LING Yun, Julian" <julian.ling@lt-aecom.com>,
 "mktang@cedd.gov.hk" <mktang@cedd.gov.hk>, "pylu@cedd.gov.hk"
 <pylu@cedd.gov.hk>, Henry KN HUI <henryhui@td.gov.hk>

2 Attachments

 
 Design drawings.pdf A22_023_E.pdf

Dear Alex,

As previously discussed, please find attached revised demarcation plan (Drawing No. 60212563/A22/023E) showing the extent of TWSRE and associated footway (area shaded in green) to be managed by TD for your agreement.

Furthermore, I attach herewith revised Sketch No. CV/2012/09/R10/120/1914B to address your query on our design for your information. Thank you very much.

Dear Bryan/Windsor,

Please note that based on the below confirmation from TD and with reference to attached revised demarcation plan (Drawing No. 60212563/A22/023E), the section of Tai Wo Service Road East and associated footway, Slopes FL/F8, FL/F9, Retaining Walls FL/RW11, FL/RW5, FL/RW6, which about the carriageway/footway, are proposed to be maintained by HyD/NT accordingly. We look forward to receiving HyD's confirmation to take up the maintenance of the aforesaid works as well. Thank you very much.

Regards,

Patrick Pak

Resident Engineer
 Contract No. CV/2012/09
 Liantang / Heung Yuen Wai Boundary Control Point
 Site Formation and Infrastructure Works - Contract 3
 AECOM Asia Co. Ltd.
 Tel: 2171 3335 / 6321 5027

From: Alex TH LAM [mailto:alexthlam@td.gov.hk]
 Sent: Friday, February 08, 2019 6:06 PM
 To: PAK Chau Kin, Patrick
 Cc: LEE Chun Fai, Alan; Lam, Yee Lin Elaine (elaine.lam@aecom.com); Jacky Chi Hang WONG; LING Yun, Julian; mktang@cedd.gov.hk; pylu@cedd.gov.hk; detp1.nt@hyd.gov.hk; Henry KN HUI
 Subject: RE: FW: CV/2012/09 - M&M of Realigned Tai Wo Service Road East (TWSRE)

Dear Patrick,

As discussed, we will take up the management responsibility of TWSRE (section from the roundabout near Fanling BBI to somewhere near the Chun Wo Site Office) subject to that the permanent road design is of TPDM standard and HyD will take up the maintenance responsibility.

Could you please prepare an updated sketch showing the exact extent of the section of TWSRE to be managed by TD. I can only find attached drawings from your previous email.

Furthermore, please call and discuss, as I have some queries on the drawings provided in your previous e-mail.

By copy to Windsor, please advise if you have any comments on taking up the maintenance responsibility of that section of TWSRE.

Regards,
Alex LAM
E/TP3, NTE,
Transport Department
Tel: 2399 2731

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
To: Alex TH LAM <alexthlam@td.gov.hk>
Cc: Jacky Chi Hang WONG <jackychowong@td.gov.hk>, "pylu@cedd.gov.hk" <pylu@cedd.gov.hk>, "Lam, Yee Lin Elaine (elaine.lam@aecom.com)" <elaine.lam@aecom.com>, "LING Yun, Julian" <julian.ling@lt-aecom.com>, "LEE Chun Fai, Alan" <alan.lee@lt-aecom.com>, "mktang@cedd.gov.hk" <mktang@cedd.gov.hk>
Date: 01/02/2019 14:49
Subject: RE: FW: CV/2012/09 - M&M of Realigned Tai Wo Service Road East (TWSRE)

Dear Alex,

Further to my preceding e-mail of 9 Jan 2019, I should be grateful if TD could provide your latest view on the management responsibility of TWSRE. Thank you very much.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

From: PAK Chau Kin, Patrick

Sent: Wednesday, January 09, 2019 2:32 PM

To: 'Alex TH LAM'

Cc: 'Jacky Chi Hang WONG'; Cheung Kwok Wai, William; 'pylu@cedd.gov.hk'; Lam, Yee Lin Elaine (elaine.lam@aecom.com); LING Yun, Julian; LEE Chun Fai, Alan

Subject: RE: FW: CV/2012/09 - M&M of Realigned Tai Wo Service Road East (TWSRE)

Dear Alex,

Further to the meeting held in early Oct 2018 regarding the M&M of Realigned TWSRE, I understand TD is considering to take up the management of realigned TWSRE. I should be grateful if TD could advise your current view on the M&M of the realigned TWSRE. The design information given to you in Oct 2018 is re-attached in this e-mail for your ease of reference. Furthermore, the CWXP, which shows a section of the original TWSRE is maintained by HyD, and gazette plan is also attached for your ease of reference.

Should you have any enquiries, please feel free to further discuss. Thanks.

Regards,

Patrick Pak

Resident Engineer

Contract No. CV/2012/09

Liantang / Heung Yuen Wai Boundary Control Point

Site Formation and Infrastructure Works - Contract 3

AECOM Asia Co. Ltd.

Tel: 2171 3335 / 6321 5027

[attachment "Design drawings.pdf" deleted by Alex TH LAM/TD/HKSARG] [attachment "Liantang C3 traffic signs and road markings drawings pdf files (r 6).pdf" deleted by Alex TH LAM/TD/HKSARG] [attachment "Gazette Plans (255228_GZP_1000 to 1017)_20170828_1732.pdf" deleted by Alex TH LAM/TD/HKSARG] [attachment "CWXP_C002873 (CEDD Chun Wo).pdf" deleted by Alex TH LAM/TD/HKSARG]

15-SEP-2014 15:08 FROM + 852 2714 5228

HIGHWAYS DEPARTMENT
NEW TERRITORIES REGION
2nd floor Ho Man Tin Government Offices,
88, Chung Hau Street, Ho Man Tin, Kowloon.
Web Site: <http://www.hyd.gov.hk>

By Fax
3922 9797

TO 39229797

路政署
新界區
九龍何文田志孝街88號
何文田政府合署二樓
網址: <http://www.hyd.gov.hk>

Correspondence 4
(Page 1 of 1)

(TPM)

本署檔號 Our Ref.: (TQD6) in HyD NT/12-2/1/8-CB
來函檔號 Your Ref.: LYL:cfwl:60212563/C3/C10/100-201400958W
電話 Tel. No.: 2762 4910
圖文傳真 Fax No.: 2714 5228

15 September 2014

AECOM
8/F, Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, N.T.,
Hong Kong.
(Attn.: Miss Elaine LAM)

Dear Madams,

Agreement No. CE 38/2010(CE)
Liantang/Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) – Design and Construction


Final Geotechnical Report – Fanling Highways Interchange and Associated Slopeworks
(Revision 1) (Ref: C10.13-03)

Design Amendment of Slope Upgrading Works for Feature No. 3SW-D/C80

I refer to your above-quoted letter of 8.9.2014 enclosing the captioned report for comment by various parties.

This Regional Office have no comment on the design amendment from maintenance perspective.

Yours faithfully,


(Michael H. M. TSANG)
for Chief Highway Engineer/NT West
Highways Department

c.c.
CE/BCP, CEDD Fax No. 2714 0103

Internal SE/CB, SE/Slopes

Lantau(Nov-04)NT



TOTAL P.01

15/09/2014 15:08

No.: R419 L1

P.001/001

100/100 P

TOTAL P.001

No.: R186 L1

3/02/2015 10:44

Correspondence 5
(Page 1 of 1)

HIGHWAYS DEPARTMENT
NEW TERRITORIES REGION
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Web Site: <http://www.hyd.gov.hk>

By Fax
3922 9797

路政署
新界區
九龍何文田志孝街88號
何文田政府合署二樓
網址: <http://www.hyd.gov.hk>

(UJE4)

本署檔號 Our Ref.: (UJXF) in HyD NT/12-2/1/8-CB
來函檔號 Your Ref.: LYL:cfwl:60212563/C3/C10/100-2014014205W
電話 Tel. No.: 2762 4910
圖文傳真 Fax No.: 2714 5228

2 February 2015

AECOM
8/F, Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, N.T., Hong Kong.
(Attn.: Miss Elaine LAM)

Dear Madam,

Agreement No. CE 38/2010(CE)
Liantang/Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) – Design and Construction


Final Geotechnical Design Report – Fanling Highways Interchange and Associated Slopeworks (Ref: C10.13-03)

Design Submission for Slope Upgrading Works for Man-made Slope Adjoining Feature No. 3SW-D/C80

I refer to your above-quoted letter of 30.12.2014 enclosing the R-to-C on the captioned submission for review by various parties.

This Regional Office have no further comment on the submission from maintenance perspective.

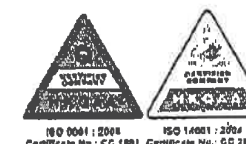
Yours faithfully,


(Michael H. M. TSANG)
for Chief Highway Engineer/NT West
Highways Department

c.c.
CE/BCP, CEDD Fax No. 2714 0103

Internal SE/CB, SE/Slopes

Lantau(Nov-04)NT



100 P

TO 39229797

NT / HIGHWAYS FROM 10:41 03-FEB-2015

CHAN Wai Yee, Queenie

Correspondence 6
(Page 1 of 13)

Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 Proposed Rest Shelter R10 for Cyclists and Design Amendments for the Realigned Cycle Track

Attachments: SK1784.pdf; SK307.pdf; Re: Response to Comments - Rest Shelter R10; Planting Plan_1753,1754,1757.pdf; C24388_ASD comment.pdf

From: Phoenix WY LO [mailto:pwyl@lcsd.gov.hk]
Sent: Friday, September 15, 2017 6:52 PM
To: PAK Chau Kin, Patrick
Cc: Eddie KS CHAN; Brian YM WONG; Eric CH CHAN; Elsa C TSENG; Jammy LC CHOI; Ken PK LAM
Subject: RE: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 Proposed Rest Shelter R10 for Cyclists and Design Amendments for the Realigned Cycle Track

Dear Mr PAK,

In respect of Tai Po District, we have no further comment.

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
To: Phoenix WY LO <pwyl@lcsd.gov.hk>
Cc: "LAU Hiu Shek, Hugo" <hugo.lau@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "LEE Chun Fai, Alan" <alan.lee@lt-aecom.com>, "WONG Wai Shing, Benny" <benny.wong@lt-aecom.com>, Eddie KS CHAN <ekschan@lcsd.gov.hk>, Brian YM WONG <bymwong@lcsd.gov.hk>, Eric CH CHAN <echochan@lcsd.gov.hk>, Jammy LC CHOI <jlcchoi@lcsd.gov.hk>, "elaine.lam@aeocom.com" <elaine.lam@aeocom.com>, Elsa C TSENG <ectseng@lcsd.gov.hk>, "POON Kwok Lung, Sam" <sam.poon@lt-aecom.com>
Date: 08/09/2017 16:56
Subject: RE: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 Proposed Rest Shelter R10 for Cyclists and Design Amendments for the Realigned Cycle Track

Dear Phoenix,

Please find below our responses for your further review:

LCSD's Comments	R-to-C
From landscape angle	
Please note that the minimum internal width of planter bed should be 1500mm and 600mm for trees and shrubs respectively together with good drainage provided. Please advise if the size of planting area fulfill the above	Noted. Please be confirmed that size of planting area fulfill the requirement. The planting layout and schedule is revised and shown on the attached SK1753, SK1754, SK1757 to suit the requirement.

requirement.	
Please note that provision of sufficient natural light for growth of the selected plant species should be considered for planting underneath elevated structure. Please advise the minimum headroom for planting areas under the viaduct.	All shrubs planting under footbridge were shade-tolerant spp (i.e. <i>Excoecaria cochinchinensis</i> , <i>Philodendron bipinnatifidum</i> , <i>Rhapis excelsa</i> , <i>Schefflera arboricola</i> .). The minimum headroom for planning is 8.9m and relevant section is shown on the attached SK1784 for your reference.
Planting of trees under elevated structure should be avoided.	Under the current proposal, no tree is proposed under elevated structure. Instead, shade-tolerant palm spp (<i>Chrysalidocarpus lutescens</i> 散尾葵 and <i>Phoenix roebelenii</i> 日本葵) are provided. For your information, the proposed <i>Chrysalidocarpus lutescens</i> 散尾葵 was approved by DLO to serve as compensatory trees in the Tree Removal Application. It also serve the purpose of buffer tree planting in the landscape manual under EIA requirement.
Please observe and follow the Proper Planting Practice particularly keep sufficient space clear of vegetation at the base of trees. Relevant link is copied below for your easy reference. http://www.greening.gov.hk/en/tree_care/practices.html	Noted. We will observe and follow the Proper Planting Practice accordingly.
From tree management angle	
Please provide confirmation from HyD that the cycle track will be permitted for entry of maintenance vehicle as access to carry out the tree maintenance works as responded by SWL under paragraph 2.6.3 of the note of meeting held on 26 March 2010 attached at Appendix D.	The pavement details of the realigned cycle track is the same as the one constructed under Contract No. TP/2010/02 (CH-TW0+600m - CH-W1+080m as marked on attached SK307), which is designed as vehicular maintenance access for 5.5 tonne vehicle. Please find attached email from HyD/NT on their requirements of utilization of the realigned cycle track as maintenance access. LCSD should consult TD if the maintenance work involve temporary closure of cycle track.
From district management angle	
It is suggest to plant <i>Chrysalidocarpus lutescens</i> (散尾葵) instead of <i>Rhapis excelsa</i> (棕竹).	Under the current proposal, all the proposed planting areas of <i>Rhapis excelsa</i> (棕竹) are planted with <i>Chrysalidocarpus lutescens</i> (散尾葵), both of which are shade-tolerant spp selected for areas under viaduct. Please note that all <i>Rhapis excelsa</i> (棕竹) are replaced by increasing the quantity of <i>Philodendron</i>

bipinnatifidum (春羽).

Moreover, as per ArchSD's recent comment, please advise if LCSD has any comment on the management responsibility of irrigation system in the same submission. Thanks.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

From: Phoenix WY LO [mailto:pwyl@lcsd.gov.hk]
Sent: Wednesday, August 09, 2017 11:07 AM
To: PAK Chau Kin, Patrick
Cc: Eddie KS CHAN; Brian YM WONG; Eric CH CHAN; Jammy LC CHOI; elaine.lam@aecom.com; Elsa C TSENG
Subject: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 Proposed Rest Shelter R10 for Cyclists and Design Amendments for the Realigned Cycle Track

Dear Patrick,

I refer to the letter ref. LYL:ccm:60212563/C3/C30/100-2017007970W dated 25 July 2017 from AECOM on the above subject, please note our below comments:

From landscape angle

Sketch No. CV/2012/09/R10/120/1753 and Sketch No. CV/2012/09/R10/120/1754

- Please note that the minimum internal width of planter bed should be 1500mm and 600mm for trees and shrubs respectively together with good drainage provided. Please advise if the size of planting area fulfill the above requirement.
- Please note that provision of sufficient natural light for growth of the selected plant species should be considered for planting underneath elevated structure. Please advise the minimum headroom for planting areas under the viaduct.
- Planting of trees under elevated structure should be avoided.
- Please observe and follow the Proper Planting Practice particularly keep sufficient space clear of vegetation at the base of trees. Relevant link is copied below for your easy reference.

http://www.greening.gov.hk/en/tree_care/practices.html

From tree management angle

Please provide confirmation from HyD that the cycle track will be permitted for entry of maintenance vehicle as access to carry out the tree maintenance works as responded by SWL under paragraph 2.6.3 of the note of meeting held on 26 March 2010 attached at Appendix D.

From district management angle

It is suggest to plant *Chrysalidocarpus lutescens* (散尾葵) instead of *Rhapis excelsa*(棕竹).

Regards,

Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

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-----[附件檔 "SK1784.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "SK307.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除]
----- 訊息來自 "ecb2.nt@hyd.gov.hk" <ecb2.nt@hyd.gov.hk> (位於 Fri, 8 Sep 2017 08:39:03 +0000) -----

寄件人: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>

副本抄送: "metp.nt@hyd.gov.hk" <metp.nt@hyd.gov.hk>

主旨: Re: Response to Comments - Rest Shelter R10

Dear Patrick,

Please find below my comments.

- 1) LCSD shall be required to rectify any damages arising from using the cycle track as maintenance access.
- 2) A typical cycle track constructed for use as maintenance access (details following H1104) is based on loading of a 5.5 tonne vehicle. Loading exceeding this limit might lead to pavement disintegration.
- 3) HyD/NT is only the maintenance party. TD shall be consulted in case temporary closure of cycle track for their access is required.

Regards,

Sammy Wong

NT Region, HyD

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
To: "ecb2.nt@hyd.gov.hk" <ecb2.nt@hyd.gov.hk>,
Date: 06/09/2017 11:24
Subject: Response to Comments - Rest Shelter R10

Dear Sammy,

I refer to your comments under your letter ref. (10BUH) in HyD NT/12-2/1/17-CB , dated 21 August 2017, regarding the captioned subject, please find below our response for your further comment:

1. Please find attached SK1784, which shows the section across the rest shelter and viaducts. As part of the shelter is not under highway structure, the shelter is required.
2. Noted. The discussion with LCSD is underway.

During our discussion with LCSD on the landscaping proposal along the realigned cycle track and rest shelter (updated planting plans attached), LCSD requested HyD/NT to confirm if HyD/NT can allow LCSD's maintenance vehicle to enter the cycle track for maintenance of proposed soft landscapes. The proposed entry locations are shown on the attached cycle track layout plan. For your further information, please note that the pavement of cycle track between the entry locations is designed to allow the loading of maintenance vehicle. Based on the above information, I should be most grateful if you could offer your confirmation to allow access of LCSD's maintenance vehicle for our onward transmission to LCSD accordingly. Thanks.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

[attachment "C24739.pdf" deleted by Chi Yuen WONG/HYD/HKSARG] [attachment "SK1784.pdf" deleted by Chi Yuen WONG/HYD/HKSARG] [attachment "Cycle Track Layout Plan_resting shelter & hammerhead_entry point.pdf" deleted by Chi Yuen WONG/HYD/HKSARG] [attachment "Planting Plan_1753,1754,1757.pdf" deleted by Chi Yuen WONG/HYD/HKSARG] [附件檔 "Planting Plan_1753,1754,1757.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "C24388_ASD comment.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除]

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CHAN Wai Yee, Queenie

From: ecb2.nt@hyd.gov.hk
Sent: Friday, September 08, 2017 4:39 PM
To: PAK Chau Kin, Patrick
Cc: metp.nt@hyd.gov.hk
Subject: Re: Response to Comments - Rest Shelter R10

Dear Patrick,

Please find below my comments.

- 1) LCSD shall be required to rectify any damages arising from using the cycle track as maintenance access.
- 2) A typical cycle track constructed for use as maintenance access (details following H1104) is based on loading of a 5.5 tonne vehicle. Loading exceeding this limit might lead to pavement disintegration.
- 3) HyD/NT is only the maintenance party. TD shall be consulted in case temporary closure of cycle track for their access is required.

Regards,

Sammy Wong

NT Region, HyD

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
To: "ecb2.nt@hyd.gov.hk" <ecb2.nt@hyd.gov.hk>,
Date: 06/09/2017 11:24
Subject: Response to Comments - Rest Shelter R10

Dear Sammy,

I refer to your comments under your letter ref. (10BUH) in HyD NT/12-2/1/17-CB , dated 21 August 2017, regarding the captioned subject, please find below our response for your further comment:

1. Please find attached SK1784, which shows the section across the rest shelter and viaducts. As part of the shelter is not under highway structure, the shelter is required.

2. Noted. The discussion with LCSD is underway.

During our discussion with LCSD on the landscaping proposal along the realigned cycle track and rest shelter (updated planting plans attached), LCSD requested HyD/NT to confirm if HyD/NT can allow LCSD's maintenance vehicle to enter the cycle track for maintenance of proposed soft landscapes. The proposed entry locations are shown on the attached cycle track layout plan. For your further information, please note that the pavement of cycle track between the entry locations is designed to allow the loading of maintenance vehicle. Based on the above information I should be most grateful if you could offer your confirmation to allow access of LCSD's maintenance vehicle for our onward transmission to LCSD accordingly. Thanks.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

[attachment "C24739.pdf" deleted by Chi Yuen WONG/HYD/HKSARG] [attachment "SK1784.pdf" deleted by Chi Yuen WONG/HYD/HKSARG] [attachment "Cycle Track Layout Plan_resting shelter & hammerhead_entry point.pdf" deleted by Chi Yuen WONG/HYD/HKSARG] [attachment "Planting Plan_1753,1754,1757.pdf" deleted by Chi Yuen WONG/HYD/HKSARG]



ARCHITECTURAL SERVICES DEPARTMENT

PROPERTY SERVICES BRANCH

7/F, APB CENTRE, 9 SUNG PING ST., HUNG HOM, KLN., HONG KONG
FAX.: (852) 2765 7734

Fax & Post
(Fax No. 26976403)

Our Ref. (/) in ASD.PB UB 250/17
Your Ref. : LYL : ccm : 60212563/C3/C30/100-2017007970W
Tel No: 2773 2371
Fax No: 2765 8584

物業事務處
九龍紅磡崇平街九號建築中心七樓

26 July 2017

Aecom
8/F Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, Hong Kong

(Attn: Ms. Elaine lam)

Dear Ms. Lam,

Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 3
Proposed Rest Shelter R10 Cyclists and Design Amendments for the Realigned Cycle Track

Your captioned letter refers.

Prior to my offering comment on the captioned, grateful if you will advise the following.:

(a) Whether the management department ie LCSD agrees to take up the management responsibility of the concerned irrigation system.

(b) Whether recurrent cost for future maintenance of the irrigation system to be taken up by this Branch has been arranged.

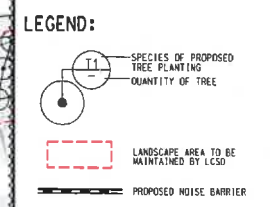
(c) Concerning the proposed irrigation system, please provide the O & M Manual for our comments particularly on the convenience of detection of water leaks, any excavation permits to be needed for carrying out any repairs in future, any durable automation system to be provided and protection measures to the buried pipings to minimize replacement of defective pipings etc.

Yours faithfully,

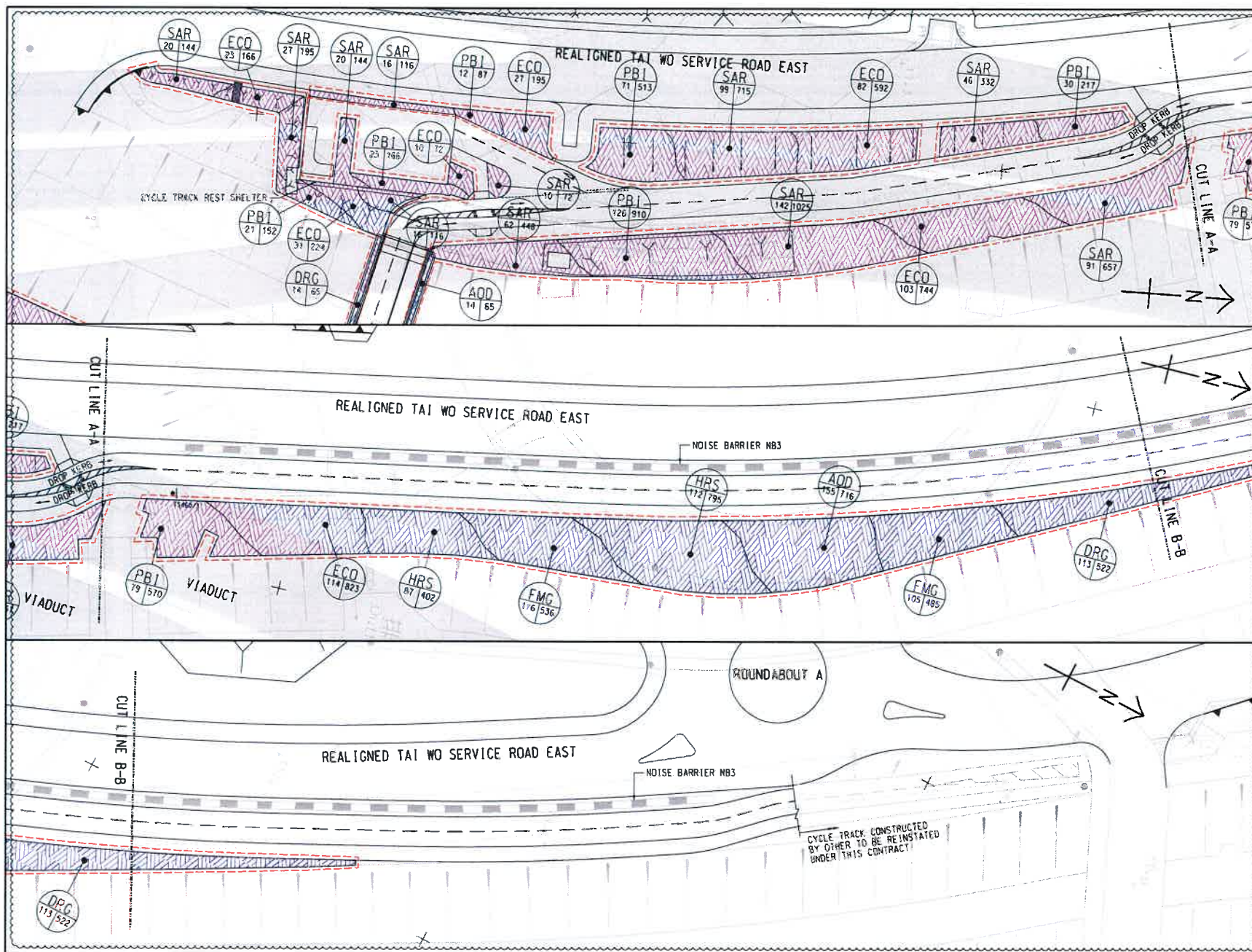
(C.K. CHOW)

for Assistant Director (Property Services)
Architectural Services Department

c.c. PO/F(2)



SCALE	1:500 ON A3	DATE	28-AUG-17
CHECKED	BWWS	DRAWN	MCSM
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1753
DOCUMENT REFERENCE NO.		REV	A



- NOTE:
1. THE PLANTING DETAILS OF SHRUBS SHALL REFER TO SPECIES NO. CV/2012/09/10/120/1754.
 2. MINIMUM INTERNAL WIDTH OF PLANTER BED SHOULD BE 1500MM AND 800MM FOR TREES AND SHRUBS RESPECTIVELY.

AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

SHRUB PLANTING PLAN FOR THE REALIGNED CYCLE TRACK

SCALE	1:500 ON A3	DATE	1-SEP-17
CHECKED	BWWS	DRAWN	MCSM
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1754
DOCUMENT REFERENCE NO.		REV	A

PLANTING SCHEDULE (FOR LANDSCAPE AREA ALONG CYCLE TRACK PROPOSED TO BE MAINTAINED BY LCSD)						
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	AREA (m ²)	QUANTITY (Nr)
ROADSIDE SHRUB PLANTING						
AOD	<i>Aglia odorata</i>	米仔蘭	500(H) x 500(S)	500	155	716
DRG	<i>Duranta repen</i> 'Golden'	金連翹	500(H) x 500(S)	500	113	522
HRS	<i>Hibiscus rosa-sinensis</i> 'orange'	橙花扶桑	500(H) x 500(S)	500	259	1197
FMG	<i>Ficus microcarpa</i> 'Golden leaf'	黃榕	500(H) x 500(S)	500	221	1021
SHADE-TOLERANT SHRUB UNDER VIADUCT						
ECO	<i>Excoecaria cochinchinensis</i>	紅背桂	500(H) x 400(S)	400	390	2816
PBI	<i>Philodendron bipinnatifidum</i>	春羽	500(H) x 400(S)	400	362	2615
SAR	<i>Schefflera arboricola</i>	鵝掌藤	500(H) x 400(S)	400	549	3964
TOTAL AREA / NOS. OF SHRUBS					2049	12851
ROADSIDE TREE PLANTING						
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	HEAVY STANDARD TREE	5000	-	29
MA	<i>Melia azedarach</i>	楝	HEAVY STANDARD TREE	5000	-	4
PP	<i>Pongamia pinnata</i>	水黃皮	HEAVY STANDARD TREE	5000	-	11
SHADE-TOLERANT TREE/PALM UNDER VIADUCT						
CL	<i>Chrysalidocarpus lutescens</i>	散尾葵	3000(H) x 1500(S)	3000	-	102
TOTAL NOS. OF TREES / PALMS					-	146

AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

PLANTING SCHEDULE FOR THE REALIGNED CYCLE TRACK

SCALE	N.T.S.	DATE	31-AUG-17
CHECKED	BWWS	DRAWN	CYK
JOB NO. 60212563/C3	SKETCH NO. CV/2012/09/R10/120/1757		REV A
DOCUMENT REFERENCE NO.			



	OSD ACCESS RAMP
GRADE 40/20 CONCRETE	225mm
MESH REINFORCEMENT BRITISH STANDARD REF	C34 150mm COVER FROM TOP FACE
SUB-BASE MATERIAL	225mm
TOTAL THICKNESS	450mm

PAVEMENT DETAILS

PAVEMENT COLOUR DRESSING SYSTEM FOR PROPOSED CYCLE TRACKS

PAVEMENT COLOUR DRESSING SYSTEM FOR PROPOSED CYCLE TRACKS

REFERENCE DRG. NO. 06115/GL/T/1203A

- | Rev.
修訂 | Date
日期 | Description
內容摘要 | Drawn
繪圖 | Checked
校核 |
|---|------------|---------------------|-------------|---------------|
|  土木工程拓展署
Civil Engineering and Development Department | | | | |

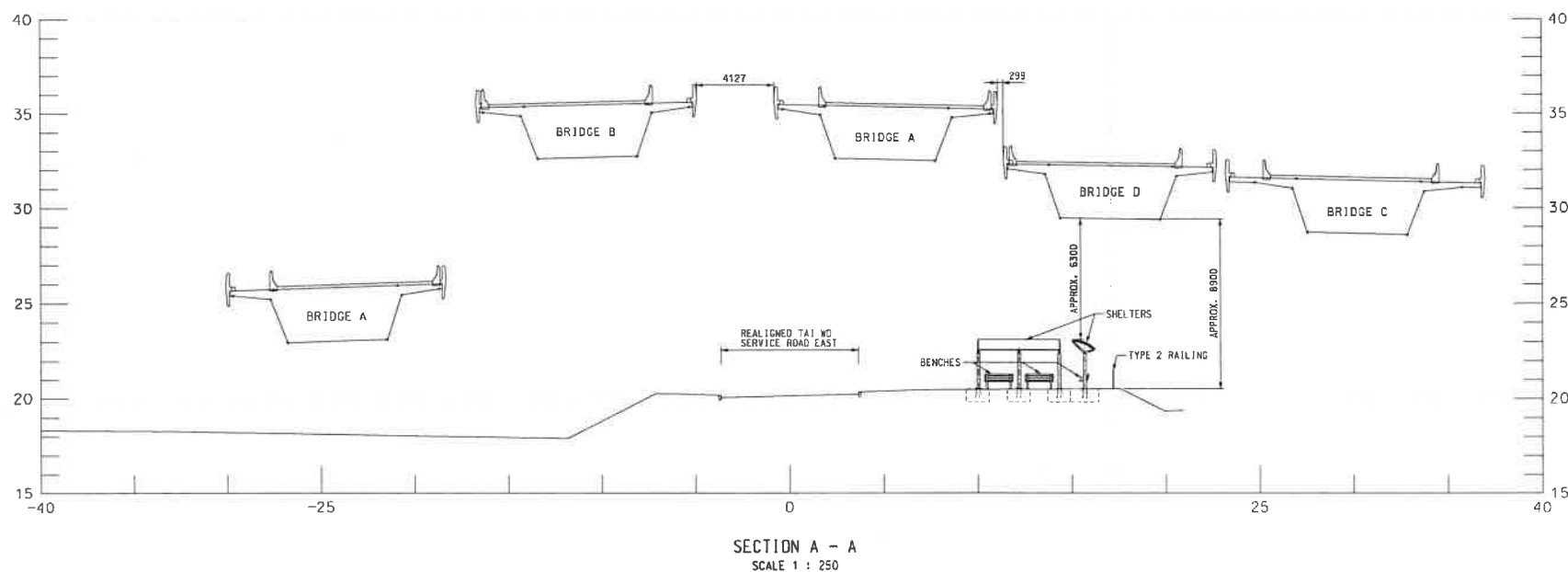
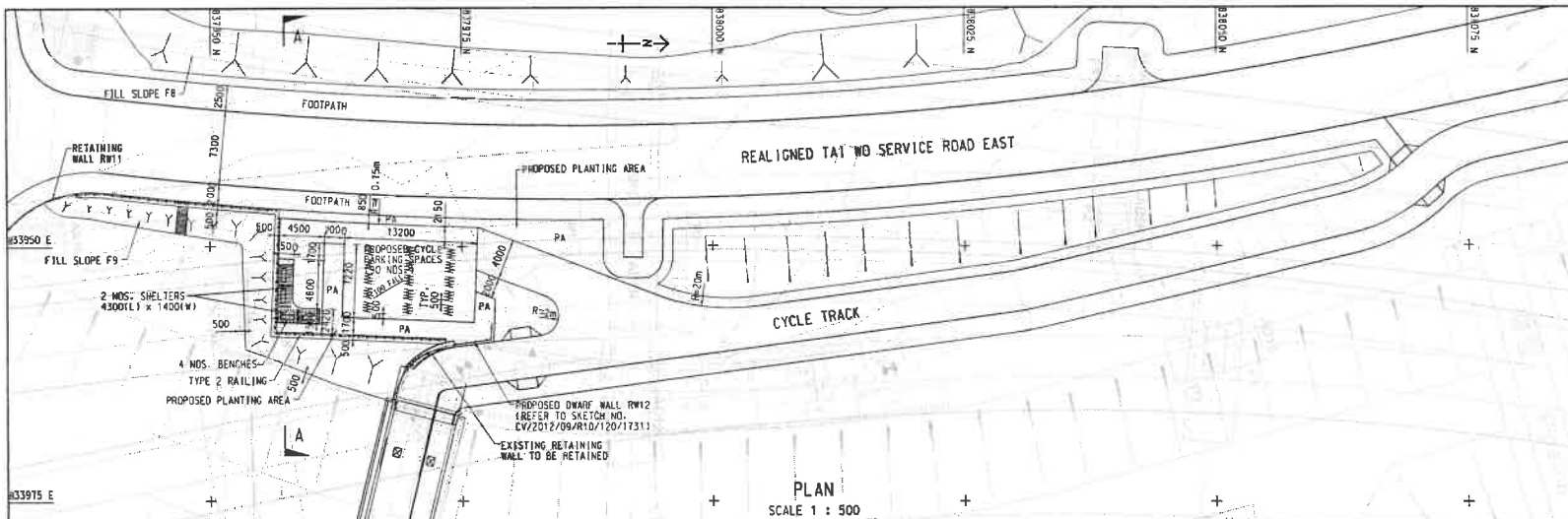
CONTRACT NO. TP/2010/02
CYCLE TRACKS FROM SHEUNG SHUI
TO MA ON SHAN

REVISED ROADWORKS
MISCELLANEOUS DETAILS
(SHEET 4 OF 4)

No. CEDD/TP/2010/02/SK307

Designed 設計	Checked 校核	Scale 比例	AS SHOWN
Approved 批准	Date 日期	Status 狀態	
	03/12	CONSTRUCTION	

Scott Wilson Ltd 偉信顧問集團有限公司



AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

CYCLE TRACK REST SHELTER R10 LAYOUT PLAN AND SECTION A - A

SCALE	AS SHOWN ON A3	DATE	9-AUG-17
CHECKED	PP	DRAWN	CYK
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1784
DOCUMENT REFERENCE NO.		REV	-

CHAN Wai Yee, Queenie

Subject: FW: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Attachments: Encl.1_1615_1616_1631_1675_1805.pdf; Encl.2_C3 -Demarcation Plan (20170927).pdf; Encl.3_General section and photos.pdf

From: WONG Wai Shing, Benny
Sent: Monday, October 30, 2017 4:11 PM
To: CHAN Wai Yee, Queenie
Cc: LEUNG Siu Yin, Carol; LAU Hiu Shek, Hugo; PAK Chau Kin, Patrick; WONG Mung Sze, Jackie; WONG Tin Lok, Clement; TAM Tsz Him, Ray; SZE Siu Ching, Sandy
Subject: RE: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Queenie,

Pls file LCSD's response and the attachment (Encl. 1-3) in my previous submission, as attached.

Thanks!

Regards,
Benny
ALA, 2171 3410

From: Phoenix WY LO [mailto:pwlyo@lcsd.gov.hk]
Sent: Monday, October 30, 2017 3:57 PM
To: WONG Wai Shing, Benny <benny.wong@lt-aecom.com>
Cc: Eddie KS CHAN <ekschan@lcsd.gov.hk>; Brian YM WONG <bymwong@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; Jammy LC CHOI <jlcchoi@lcsd.gov.hk>
Subject: Re: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Benny,

In respect of Tai Po District, we have no further comments.

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

From: "WONG Wai Shing, Benny" <benny.wong@lt-aecom.com>
To: "pwlyo@lcsd.gov.hk" <pwlyo@lcsd.gov.hk>

Date: 18/10/2017 11:37
Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Phoenix,

Re-send (submission for TWSRW under C3). Thanks!

Regards,
Benny
2171 3410

From: WONG Wai Shing, Benny
Sent: Wednesday, October 18, 2017 10:51 AM
To: 'Phoenix WY LO '
Cc: LEUNG Siu Yin, Carol <carol.leung@lt-aecom.com>; WONG Mung Sze, Jackie <jackie.wong@lt-aecom.com>; LAU Hiu Shek, Hugo <hugo.lau@lt-aecom.com>; WONG Tin Lok, Clement <clement.wong@lt-aecom.com>; TAM Tsz Him, Ray <ray.tam@lt-aecom.com>; SZE Siu Ching, Sandy <sandy.sze@lt-aecom.com>; 'Eddie KS CHAN' <ekschan@lcsd.gov.hk>; 'Brian YM WONG' <bymwong@lcsd.gov.hk>; 'Eric CH CHAN' <echochan@lcsd.gov.hk>; 'Jammy LC CHOI' <jlcchoi@lcsd.gov.hk>; 'Elsa C TSENG' <ectseng@lcsd.gov.hk>; 'Ken PK LAM' <kpklam@lcsd.gov.hk>; PAK Chau Kin, Patrick <patrick.pak@lt-aecom.com>
Subject: Re: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Phoenix,

I refer to your comments provided via the preceding email dated 29 August 2017 on the captioned submission under our letter ref. LYL:ccm:60212563/C3/C10/100-2017008776W dated 15 August 2017. Please find our responses as follows:-

Item	Comments	Response-To-Comments
From tree management angle		
1.	<ul style="list-style-type: none">LCSD has reservation on transplanting 2 nos. of fruit trees <i>Dimocarpus longan</i> (i.e. T2262 and T2677) which previously were not maintained by LCSD to landscape area of plan no. CV/2012/09/R10/120/1616 to be taken over by LCSD for future maintenance;	<p>Please be confirmed that the 2 transplanted fruit trees (i.e. <i>Dimocarpus longan</i>) will not be transplanted to landscaped area maintained by LCSD.</p> <p>Please refer to the revised drawings no. CV/2012/09/R10/120/1616 (Rev. A) in Encl. 1.</p>
2.	<ul style="list-style-type: none">The proposed planting of 9 nos. <i>Bischofia javanica</i> at the same plan should be confirmed planting at locations being accessible by hydraulic platform vehicle for future maintenance if they are to be maintained by LCSD for future maintenance; and	<p>Noted. In view of the limited accessibility by hydraulic platform vehicle. Please be confirmed that the area of 9 nos. of <i>Bischofia javanica</i> will be returned to LandsD for maintenance and management under the updated proposal.</p> <p>Please refer to the revised demarcation plan no. CV/2012/09/R10/120/1692-1694 (Rev. A) in Encl. 2.</p>
3.	<ul style="list-style-type: none">All the existing trees to be retained within the planting areas such as those within the aforesaid plan should be in condition up to	<p>Noted.</p>

	LCSD's satisfaction before LCSD will agree to take up the maintenance of these retained trees.	
From landscape angle		
4.	For Drawing no. CV/2012/09/R10/120/1631 <ul style="list-style-type: none"> Please adopt the Chinese name of <i>Lagerstroemia speciosa</i> by 大花紫薇. 	Noted. Please refer to the drawing no. CV/2012/09/R10/120/1805 in Encl. 1. Please note that the drawing no. CV/2012/09/R10/120/1631 was superseded by CV/2012/09/R10/120/1805, which include the tree planting schedule of the whole site.
5.	<ul style="list-style-type: none"> The spacing of 3m for the proposed tree <i>Lagerstroemia speciosa</i> is considered insufficient, please review. 	Noted. The spacing of <i>Lagerstroemia speciosa</i> is revised to 5m. Please refer to the revised drawing nos. CV/2012/09/R10/120/1615 (Rev. A) in Encl. 1.
6.	<ul style="list-style-type: none"> Please observe and follow the Proper Planting Practice particularly keep sufficient space clear of vegetation at the base of trees. Relevant link is copied below for your easy reference. http://www.greening.gov.hk/en/tree_care/practices.html 	Noted. We will observe and follow the Proper Planting Practice accordingly.
7.	For Drawing no. CV/2012/09/R10/120/1675 <ul style="list-style-type: none"> Please adopt the Chinese name of <i>Schefflera arboricola</i> by 鵝掌藤. 	Noted. Please refer to the revised drawings no. CV/2012/09/R10/120/1675 (Rev. A) in Encl. 1.
8.	<ul style="list-style-type: none"> Please verify the SUBTOTAL figures showed for the Woodland Mix Planting (WMP) under LCSD. 	Noted. Please refer to the revised drawings no. CV/2012/09/R10/120/1675 (Rev. A) in Encl. 1.
From district management angle		
9.	<ul style="list-style-type: none"> The concerned slope areas circled in red as attached are not proposed for planting as we have difficulties to maintain the soft landscape due to too high and steep slope areas. Please refer to our previous comments from district management angle in the preceding email. 	Please be confirmed that the circled landscaped areas next to the slope no. 3SW-D/C80 (i.e. the area of the 9 nos. of <i>Bischofia javanica</i> as mentioned in item 2 of this table) will be returned to LandsD for maintenance and management under the updated proposal. Please refer to the revised demarcation plan no. CV/2012/09/R10/120/1692-1694 (Rev. A) in Encl. 2. Other circled areas adjacent to the slope no. 3SW-D/C80 is generally flat. Please refer to Encl. 3 for site photos. Please note that the gradient of feature no. FL/F1a, FL/F1b and FL/RW10 is gentle (26 degree) and is accessible for maintenance. Please refer to the general section for the 3 features in Encl. 3.

Regards,
Benny WONG
Assistant Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 2171 3410

From: LEUNG Siu Yin, Carol
Sent: Tuesday, August 29, 2017 11:20 AM
To: WONG Wai Shing, Benny <benny.wong@lt-aecom.com>; WONG Tin Lok, Clement <clement.wong@lt-aecom.com>
Cc: TAM Tsz Him, Ray <ray.tam@lt-aecom.com>
Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear All,
Please address the comment and brief me the way forward.

Thanks!
Carol
21713405/63215017

From: Lam, Yee Lin Elaine [mailto:elaine.lam@aecom.com]
Sent: Tuesday, August 29, 2017 11:06 AM
To: WONG Mung Sze, Jackie; LEUNG Siu Yin, Carol
Cc: LEE Chun Fai, Alan
Subject: RE: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Jackie and Carol,

Please find below LCSD's comments for your onward action. Thanks.

Regards,

Elaine
3922 9246

From: Phoenix WY LO [mailto:pwyl@lcsd.gov.hk]
Sent: Tuesday, August 29, 2017 10:42 AM
To: Lam, Yee Lin Elaine <elaine.lam@aecom.com>
Cc: Eddie KS CHAN <ekschan@lcsd.gov.hk>; Brian YM WONG <bymwong@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>; Jammy LC CHOI <jlcchoi@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; Ken PK LAM <kpklam@lcsd.gov.hk>
Subject: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Elaine,

I refer to the letter from AECOM with reference LYL:ccm:60212563/C3/C10/100-2017008776W dated 15 August 2017 enclosed with the subject proposal, please find our comments in respect of Tai Po District as follows:

From tree management angle

- LCSD has reservation on transplanting 2 nos. of fruit trees *Dimocarpus longan* (i.e. T2262 and T2677) which previously were not maintained by LCSD to landscape area of plan no. CV/2012/09/R10/120/1616 to be taken over by LCSD for future maintenance;
- The proposed planting of 9 nos. *Bischofia javanica* at the same plan should be confirmed planting at locations being accessible by hydraulic platform vehicle for future maintenance if they are to be maintained by LCSD for future maintenance; and
- All the existing trees to be retained within the planting areas such as those within the aforesaid plan should be in condition up to LCSD's satisfaction before LCSD will agree to take up the maintenance of these retained trees.

From landscape angle**For Drawing no. CV/2012/09/R10/120/1631**

- Please adopt the Chinese name of *Lagerstroemia speciosa* by 大花紫薇.
- The spacing of 3m for the proposed tree *Lagerstroemia speciosa* is considered insufficient, please review.
- Please observe and follow the Proper Planting Practice particularly keep sufficient space clear of vegetation at the base of trees. Relevant link is copied below for your easy reference.

http://www.greening.gov.hk/en/tree_care/practices.html

For Drawing no. CV/2012/09/R10/120/1675

- Please adopt the Chinese name of *Schefflera arboricola* by 鵝掌藤.
- Please verify the SUBTOTAL figures showed for the Woodland Mix Planting (WMP) under LCSD.

From district management angle

The concerned slope areas circled in red as attached are not proposed for planting as we have difficulties to maintain the soft landscape due to too high and steep slope areas. Please refer to our previous comments from district management angle in the preceding email.

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

----- Forwarded by Phoenix WY LO/LCSD/HKSARG on 29/08/2017 10:28 -----

From: Phoenix WY LO/LCSD/HKSARG
To: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
Cc: Eddie KS CHAN/LCSD/HKSARG@LCSD, Brian YM WONG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Jammy LC CHOI/LCSD/HKSARG@LCSD, elaine.lam@aecom.com
Date: 08/08/2017 11:58
Subject: RE: Re: 轉寄: Comments from LCSD/Tai Po on M&M Schedule Part 1 and 2

Dear Patrick,

Referring to our previous conversation, we note that AECOM's submission of ref LYL:ccm:60212563/09.10-2017006789W dated 22 June 2017 is out of Tai Po District and hence input concerning Tai Po District is not required.

2. I refer to the letter ref. no. LYL:ccm:60212563/09.10-2017005234W from AECOM dated 19 May 2017, further to our reply dated 22.6.2017 attached below, please find our further comments as follows:

From tree management angle

As the plans do not provide details on tree planting location, we would like to comment that any location to be planted with trees and going to be handed over to LCSD should be accessible by elevated platform vehicles before this Department will agree to take up the relevant new trees planting for future maintenance. Therefore, for some areas on Drawings Nos: CV/2012/09/R10/120/1693, accessible way for vehicle should be identified if there will be trees planting. For Drawings Nos: CV/2012/09/R10/120/1694, if the cycle track is going to be the accessible way for entry of vehicle, please confirm with HyD the loading of the cycle track will allow the entry of elevated platform vehicle.

Please overlay the tree planting details on the proposed maintenance demarcation plan for identification of trees which to be maintained by this Department for reference.

From district management angle

We concern the landscape areas over the slope. Our contractor has difficulties to maintain those landscape areas if the slope is too high and steep. As such, please clarify whether our concerned areas are slope. If affirmative, we do not recommend planting over there. The concerned areas are indicated in the attached demarcation plans for your reference.

[附件檔 "Demarcation plan 1 of 3.jpg" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "Demarcation plan 2 of 3.jpg" 已被 Phoenix WY LO/LCSD/HKSARG 刪除]

[附件檔 "I170623140425L0020 (LCSD_Tai Po).pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除]

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
To: Phoenix WY LO <pwyl@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Wai Shing, Benny" <benny.wong@lt-aecom.com>, "LAU Hiu Shek, Hugo" <hugo.lau@lt-aecom.com>, "LO Sung Yat, Patrick" <patrick.lo@lt-aecom.com>
Date: 19/07/2017 17:28
Subject: RE: Re: 轉寄: Comments from LCSD/Tai Po on M&M Schedule Part 1 and 2

Dear Phoenix,

Please find my responses to your comment as follow:

1. Accessible way and nearby street name, together with gridline, is incorporated on the updated landscaping demarcation layout plans and attached for your further review. A location plan is also attached for your reference.
2. Indicative irrigation plan for the landscaping area to be handed over to LCSD is attached for your information. Please note the system are to be designed by the contractor and will be submitted separately.
3. Please be confirmed that, as the cycle track is designed as an emergency access, the cycle track can allow the entry of elevated platform vehicle.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

From: Phoenix WY LO [<mailto:pwyl@lcsd.gov.hk>]
Sent: Monday, July 17, 2017 6:01 PM
To: PAK Chau Kin, Patrick
Subject: 轉寄: Re: 轉寄: Commennts from LCSD/Tai Po on M&M Schedule Part 1 and 2

Dear Patrick,

Re the email from TPDLSO on 17/7/2017. Grateful for your advice by 19 July.

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

----- Forwarded by Phoenix WY LO/LCSD/HKSARG on 17/07/2017 18:00 -----

From: Eric CH CHAN/LCSD/HKSARG
To: Phoenix WY LO/LCSD/HKSARG@LCSD
Cc: Brian YM WONG/LCSD/HKSARG@LCSD, Jammy LC CHOI/LCSD/HKSARG@LCSD
Date: 17/07/2017 17:55
Subject: Re: 轉寄: Commennts from LCSD/Tai Po on M&M Schedule Part 1 and 2

Dear Phoenix,

Refer to your email, please ask the consultant to indicate the irrigation system and accessable way for maintenance of the proposed planting area by LCSD. Moreover, please provide either name of road(s) or lamp post number(s) in order to facilitate us to locate the planting area in Tai Po district.

Regards,
Eric CHAN
ADLM(TP)4
Tel: 3183 9044
Fax: 2651 0315

From: Jammy LC CHOI/LCSD/HKSARG
To: Phoenix WY LO/LCSD/HKSARG@LCSD
Cc: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
Date: 14/07/2017 15:53
Subject: Commennts from LCSD/Tai Po on M&M Schedule Part 1 and 2

Dear Phoenix,

Referring to the preceding e-mail, in view that whether the proposed landscaped areas within Tai Po District should be taken up by LCSD for management or

maintenance, District colleague should give their comments instead of NTETT. As such, your collation of the comments on the proposed M&M from District colleagues is necessary.

From NTETT, as the plans do not provide details on tree planting location, we like to comment that any location to be planted with trees and going to be handed over to LCSD should be accessible by elevated platform vehicles before this office will agree to take up the relevant new trees planting for future maintenance. Therefore, for some areas on Drawings Nos: CV/2012/09/R10/120/1693, accessible way for vehicle should be identified if there will be trees planting. For Drawings Nos: CV/2012/09/R10/120/1694, if the cycle track is going to be the accessible way for entry of vehicle, please confirm with HyD the loading of the cycle track will allow the entry of elevated platform vehicle.

By copy of this e-mail, may Aecom follow up with our planning section for the comments from NTE Region of LCSD instead of expecting this office which only give comments in related to tree but not the over all M&M schedule.

Jammy

----- Forwarded by Jammy LC CHOI/LCSD/HKSARG on 14/07/2017 15:26 -----

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
To: "jlchoi@lcsd.gov.hk" <jlchoi@lcsd.gov.hk>
Cc: "Lam, Yee Lin Elaine" <elaine.lam@aecom.com>, "Ip, Chi Yan Leo" <leo.ip@aecom.com>, "LEUNG Chi Man, Simon" <simon.leung@lt-aecom.com>, "LO Sung Yat, Patrick" <patrick.lo@lt-aecom.com>, "LAU Hiu Shek, Hugo" <hugo.lau@lt-aecom.com>
Date: 14/07/2017 14:36
Subject: RE: Commennts from LCSD/Tai Po on M&M Schedule Part 1 and 2

Dear Ms. Choi,

I refer to your telephone conversation between our Mr. Patrick Lo and your colleague Ms. Choi, please find attached full set of drawings attached in our Letter LYL:ccm:60212563/09.10-2017005234W dated 19 May 2017, of which the area shown on Drawings Nos: CV/2012/09/R10/120/1692 – 1694 should fall within Tai Po District. Please kindly review and comment the proposed M&M accordingly.

Should you have any enquiries, please feel free to contact me. Thanks.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

From: LO Sung Yat, Patrick
Sent: Friday, July 14, 2017 1:54 PM

To: PAK Chau Kin, Patrick
Cc: Lam, Yee Lin Elaine; Ip, Chi Yan Leo; LEUNG Chi Man, Simon
Subject: Commentnts from LCSD/Tai Po on M&M Schedule Part 1 and 2

Dear Patrick Pak,

As discussed, Ms. Choi (but not Ms Jammy Choi) said she could not locate any works in relation to LCSD/NTE. Please kindly check with her. Thx

Leisure and Cultural Services Department Leisure Services Branch Leisure Management/New Territories East New Territories East Tree Team 3/F, Leisure and Cultural Services Headquarters, 1-3 Pai Tau Street Sha Tin, N.T.	Ms. CHOI Lai Chun, Jammy Email: lcchoi@lcsd.gov.hk	2605 0126
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Regards,
Patrick LO
AECOM
Liantang/Heung Yuen Wai BCP
Tel: 5226 9088 (Mobile) 2251 0649 (Direct)
Fax: 2251 0698

From: Lam, Yee Lin Elaine [<mailto:elaine.lam@aecom.com>]
Sent: Thursday, July 13, 2017 1:26 PM
To: LO Sung Yat, Patrick
Subject: RE: Distribution List

Dear Patrick,

Please find attached the reminder issued on 6 July for your information. Ms Choi from LCSD/NTE requested us to consult them on the works located within the Tai Po District separately. Otherwise, Ms Jammy Choi should be removed from the distribution list. Thanks.

Regards,

Elaine
3922 9246

From: LO Sung Yat, Patrick [<mailto:patrick.lo@lt-aecom.com>]
Sent: Thursday, July 06, 2017 2:19 PM
To: Lam, Yee Lin Elaine <elaine.lam@aecom.com>
Subject: Distribution List

Dear Elaine,

Please find enclosed the distribution list for your use.

Please note that the reply deadline for Part II for 3 parties is **14 July 2017** (letter as attached).

Regards,

Patrick LO
AECOM
Liantang/Heung Yuen Wai BCP
Tel: 5226 9088 (Mobile) 2251 0649 (Direct)
Fax: 2251 0698

[attachment "C3-Proposed Maintenance Demarcation Plan_r1.pdf" deleted by Eric CH CHAN/LCSD/HKSARG] [attachment "20170706-Reminder for revised MMS(2017007454W).pdf" deleted by Eric CH CHAN/LCSD/HKSARG]

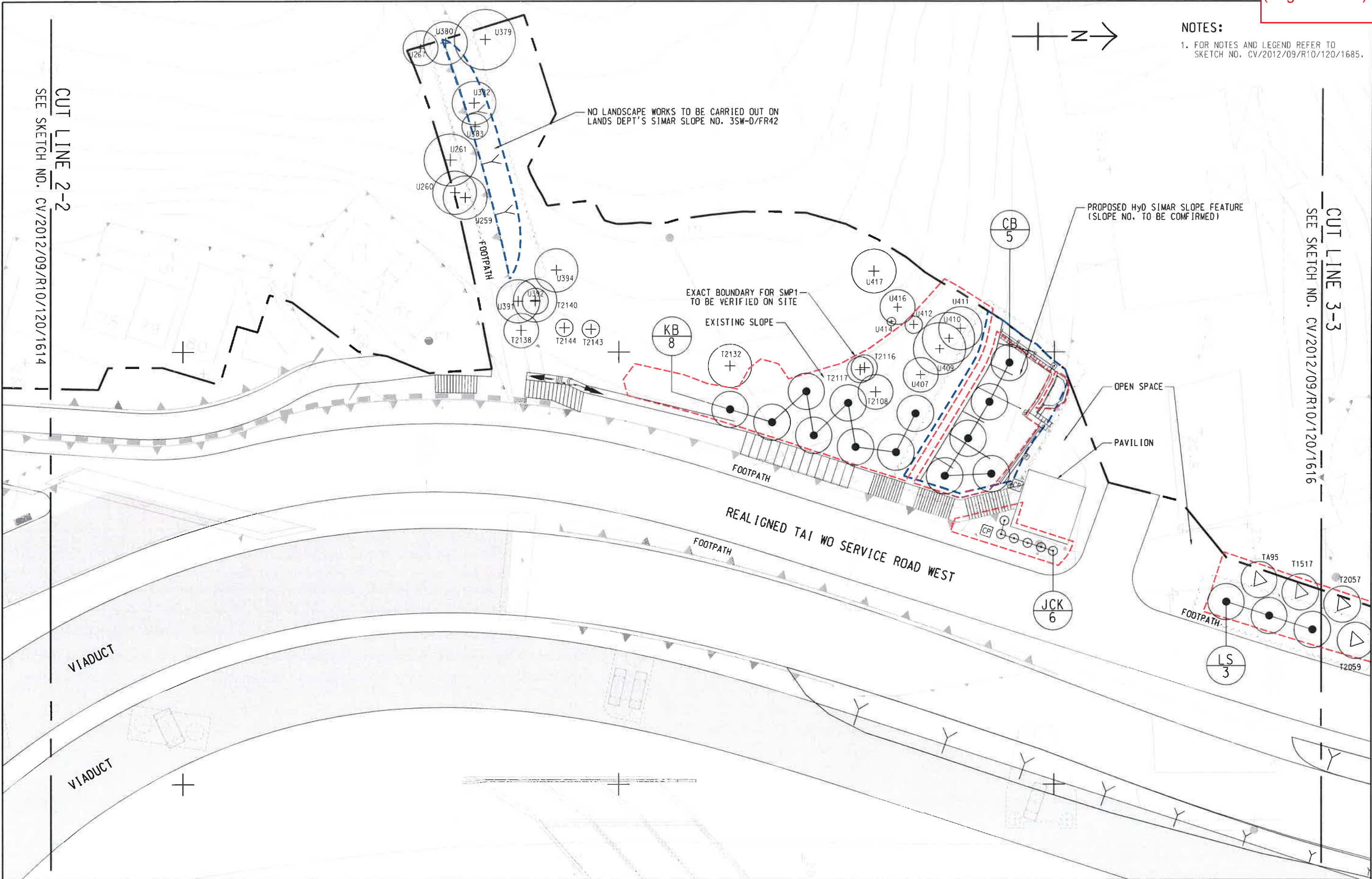
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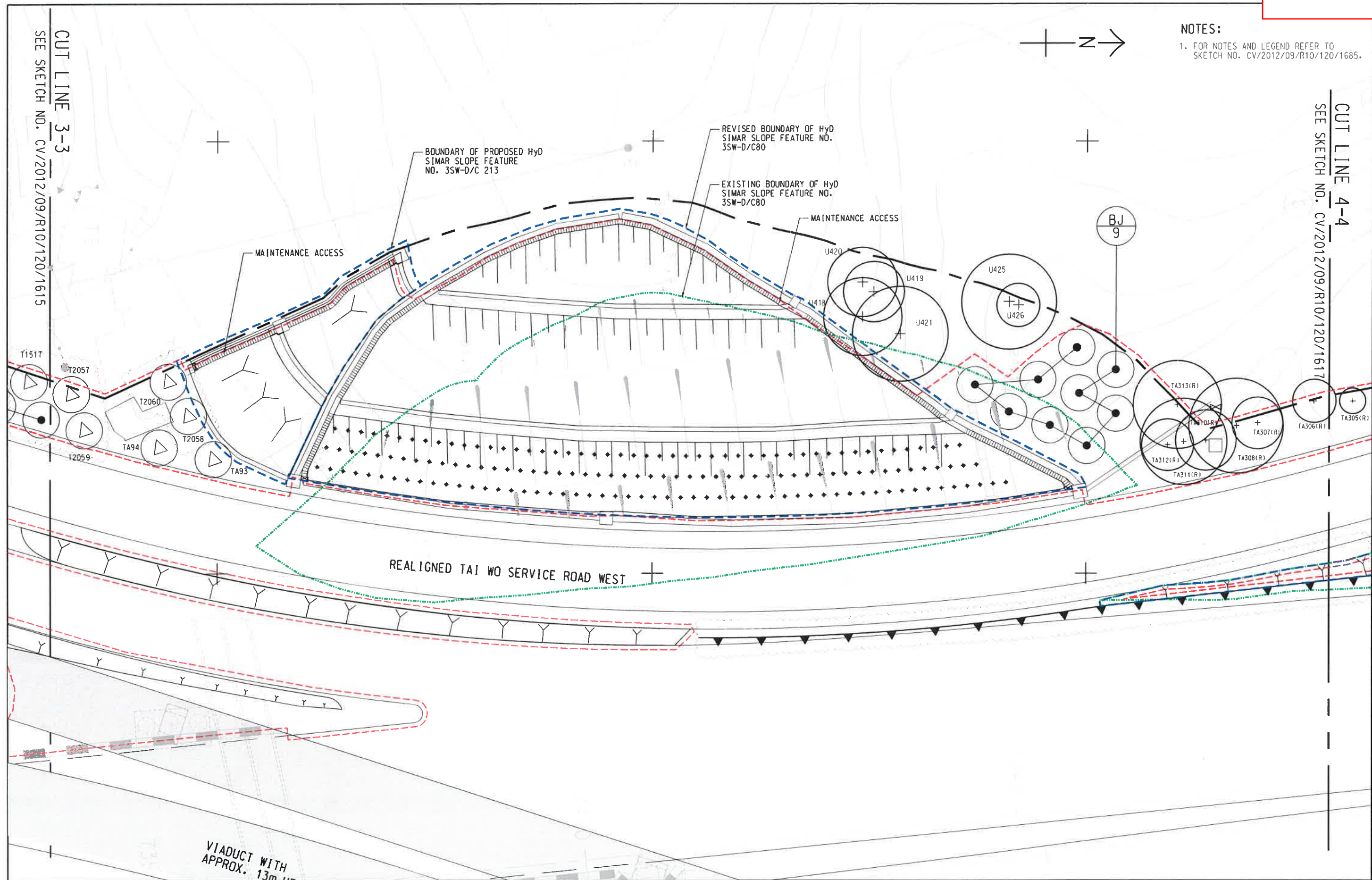
-----[附件檔 "Irrigation_binder.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "20170719 Demarcation Plan.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "20170719 Location Plan.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除]

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-----[附件檔 "Encl.1_1615_1616_1631_1675_1805.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "Encl.2_C3 -Demarcation Plan (20170927).pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "Encl.3_General section and photos.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除]

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NOTES:
1. FOR NOTES AND LEGEND REFER TO
SKETCH NO. CV/2012/09/R10/120/1685.

	CONTRACT NO. CV/2012/09 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3		TREE PLANTING PLAN - TAI WO SERVICE ROAD WEST (SHEET 4 OF 7)		SCALE	1:400 ON A3	DATE	12-OCT-17
					CHECKED	HLHS	DRAWN	MCSM
					JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1616
					DOCUMENT REFERENCE NO.		REV	A

TRANSPLANTED TREE SCHEDULE (AS SHOWN IN THE DRAWINGS UNDER PREVIOUS SUBMISSION#)					
TREE NO.	SCIENTIFIC NAME	CHINESE NAME	DBH (mm)	HEIGHT (m)	CROWN SPREAD (m)
TA93	<i>Roystonea regia</i>	王棕	384	18	5
TA94	<i>Roystonea regia</i>	王棕	364	14	5
TA95	<i>Roystonea regia</i>	王棕	322	14	5
T1517	<i>Roystonea regia</i>	王棕	318	10	3
T2057	<i>Archontophoenix alexandrae</i>	假檳榔	217	12	5
T2058	<i>Roystonea regia</i>	王棕	191	7	5
T2059	<i>Archontophoenix alexandrae</i>	假檳榔	143	6	5
T2060	<i>Archontophoenix alexandrae</i>	假檳榔	191	8	5

TOTAL: 8 NOS. OF TRANSPLANTED TREES

DRAWINGS UNDER LETTER REF. LY:ccm:60212563/C3/C10/100-2017008776W DATED 15 AUGUST 2017

TRANSPLANTED TREE SCHEDULE (AS SHOWN IN THE DRAWINGS UNDER THIS SUBMISSION)					
TREE NO.	SCIENTIFIC NAME	CHINESE NAME	DBH (mm)	HEIGHT (m)	CROWN SPREAD (m)
T519	<i>Melaleuca quinquenervia</i>	白千層	1115	12	7
T587	<i>Macaranga tanarius</i>	血桐	201	6	6
T593	<i>Bombax ceiba</i>	木棉	503	13	7
T594	<i>Bombax ceiba</i>	木棉	213	10	4
T595	<i>Bombax ceiba</i>	木棉	490	16	7
T597	<i>Bombax ceiba</i>	木棉	462	14	6
T598	<i>Bombax ceiba</i>	木棉	309	10	5
T599	<i>Bombax ceiba</i>	木棉	347	12	7
T600	<i>Bombax ceiba</i>	木棉	385	12	6
T601	<i>Bombax ceiba</i>	木棉	338	11	5
T603	<i>Bombax ceiba</i>	木棉	217	8	6
T632	<i>Vernicia montana</i>	木油桐	172	7	3
T672	<i>Spathodea campanulata</i>	火焰木	194	7	2
T674	<i>Spathodea campanulata</i>	火焰木	223	7	3
T678	<i>Spathodea campanulata</i>	火焰木	146	7	2
T679	<i>Spathodea campanulata</i>	火焰木	185	7	4
T683	<i>Spathodea campanulata</i>	火焰木	175	7	3
T688	<i>Spathodea campanulata</i>	火焰木	153	8	3
T702	<i>Cinnamomum camphora</i>	樟樹	185	5	4
T707	<i>Spathodea campanulata</i>	火焰木	96	5	2
T713	<i>Melia azedarach</i>	苦楝	389	11	8
T728	<i>Melaleuca quinquenervia</i>	白千層	1054	15	7
T730	<i>Melaleuca quinquenervia</i>	白千層	287	10	3
T770	<i>Melaleuca quinquenervia</i>	白千層	1299	15	5
T823	<i>Spathodea campanulata</i>	火焰木	96	4	3
T832	<i>Cinnamomum camphora</i>	樟樹	182	6	4
T838	<i>Spathodea campanulata</i>	火焰木	121	6	3
T845	<i>Spathodea campanulata</i>	火焰木	134	5	3
T884	<i>Spathodea campanulata</i>	火焰木	207	9	6
T887	<i>Spathodea campanulata</i>	火焰木	204	7	4
T910	<i>Cinnamomum camphora</i>	樟樹	274	8	5
T914	<i>Macaranga tanarius</i>	血桐	207	4	5
T1076	<i>Macaranga tanarius</i>	血桐	210	6	4
T1134	<i>Cassia siamea</i>	鐵刀木	220	11	4
T1135	<i>Cassia siamea</i>	鐵刀木	306	14	7
T1142	<i>Cassia siamea</i>	鐵刀木	140	7	2
T1179	<i>Melaleuca quinquenervia</i>	白千層	1070	17	6
T1180	<i>Melaleuca quinquenervia</i>	白千層	1143	16	7
T1193	<i>Melaleuca quinquenervia</i>	白千層	395	16	6
T1457	<i>Delonix regia</i>	鳳凰木	153	7	5
T1458	<i>Delonix regia</i>	鳳凰木	159	8	5
T1459	<i>Delonix regia</i>	鳳凰木	204	8	4
T1465	<i>Delonix regia</i>	鳳凰木	131	5	3
T1467	<i>Delonix regia</i>	鳳凰木	223	8	5
T1469	<i>Delonix regia</i>	鳳凰木	169	5	3
T1476	<i>Delonix regia</i>	鳳凰木	182	9	5
T1477	<i>Delonix regia</i>	鳳凰木	150	6	2
T1480	<i>Delonix regia</i>	鳳凰木	264	8	6
T1482	<i>Delonix regia</i>	鳳凰木	223	8	3
T1483	<i>Delonix regia</i>	鳳凰木	264	8	4
T1484	<i>Delonix regia</i>	鳳凰木	191	6	4
T1485	<i>Delonix regia</i>	鳳凰木	236	6	5
T1486	<i>Delonix regia</i>	鳳凰木	261	7	4
T1516	<i>Roystonea regia</i>	王棕	287	10	3
T1568	<i>Ficus hispida</i>	對葉榕	134	6	6
T1577	<i>Ficus hispida</i>	對葉榕	102	4	4
T1611	<i>Ficus hispida</i>	對葉榕	146	10	5
T1612	<i>Cassia siamea</i>	鐵刀木	341	15	8
T1616	<i>Cassia siamea</i>	鐵刀木	395	14	7
T1663	<i>Albizia lebbbeck</i>	大葉合歡	468	14	7
T2044	<i>Hibiscus tiliaceus</i>	黃槿	166	7	6
T2045	<i>Hibiscus tiliaceus</i>	黃槿	169	8	6
T2046	<i>Ficus altissima</i>	高山榕	134	8	4
T2101	<i>Macaranga tanarius</i>	血桐	137	3	4
T2262	<i>Dimocarpus longan</i>	龍眼	127	5	3
T2263	<i>Cinnamomum camphora</i>	樟樹	764	10	8

TOTAL: 66 NOS. OF TRANSPLANTED TREES

AECOM

CEDD CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 3

TITLE:

TRANSPLANTED TREE SCHEDULE

DATE	13-OCT-17		
CHECKED	HLHS	DRAWN	MCSM
JOB NO.	60212563/C3		SCALE N.T.S.
SKETCH NO.	CV/2012/09/R10/120/1631		REV B

SHRUBS PLANTING SCHEDULE (AS SHOWN IN THE DRAWINGS UNDER PREVIOUS SUBMISSION#)												
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY (nr)				AREA (m²)			
					HYD	LANDSD/OLO	LCSD	TOTAL	HYD	LANDSD/OLO	LCSD	TOTAL
GROUND COVER												
TPP	<i>Ophiopogon japonicus</i>	沿路草	200(H) x 300(S)	300	-	-	2298	2298	-	-	178	178
SHRUB												
DRG	<i>Duranta repens</i> 'Golden'	金邊藍	500(H) x 500(S)	500	-	-	407	407	-	-	88	88
GROUND COVER MIX PLANTING (GCM P)												
DPE	<i>Dicranopteris pedata</i>	芒萁	200(H) x 300(S)	300	2158	-	1834	3990	872	-	572	1244
LSP	<i>Cynodon dactylon</i>	狗牙根	200(H) x 300(S)	300	2158	-	1834	3990				
TSD	<i>Nephrolepis auriculata</i>	腎蕨	200(H) x 300(S)	300	2158	-	1834	3990				
TPP	<i>Ophiopogon japonicus</i>	沿路草	200(H) x 300(S)	300	2158	-	1834	3990				
SUBTOTAL					8624	-	7336	15960	872	-	572	1244
WOODLAND MIX PLANTING (WMM P)												
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	500	364	-	-	364	420	-	-	420
PAS	<i>Psychotria asiatica</i>	九節	400(H) x 350(S)	500	364	-	-	364				
RIN	<i>Raphiolepis indica</i>	車輪梅	400(H) x 350(S)	500	364	-	-	364				
RTO	<i>Rhodomyrtus tomentosa</i>	桃金娘	400(H) x 350(S)	500	364	-	-	364				
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 350(S)	500	364	-	-	364				
SUBTOTAL					1820	-	-	1820				
BTO	<i>Bridelia tomentosa</i>	土蜜樹	SEEDLING	2000	25	-	-	25	420	-	-	420
MMP	<i>Melolus apelta</i>	白背葉	SEEDLING	2000	25	-	-	25				
PBM	<i>Phyllanthus emblica</i>	餘甘子	SEEDLING	2000	25	-	-	25				
RTH	<i>Reevesia thyrsoidea</i>	梭羅樹	SEEDLING	2000	25	-	-	25				
RSU	<i>Rhus succedanea</i>	木蠟樹	SEEDLING	2000	25	-	-	25				
SUBTOTAL					125	-	-	125	420	-	-	420
SHRUB MIX PLANTING 1 (SMP 1)												
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	500	1473	390	1133	2996	1275	338	961	2594
RIN	<i>Raphiolepis indica</i>	車輪梅	400(H) x 350(S)	500	1473	390	1133	2996				
RTO	<i>Rhodomyrtus tomentosa</i>	桃金娘	400(H) x 350(S)	500	1473	390	1133	2996				
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 350(S)	500	1473	390	1133	2996				
SUBTOTAL					5892	1560	4532	11984	1275	338	961	2594
TOTAL					18461	1560	14573	32594	2367	338	1819	4524

DRAWINGS UNDER LETTER REF. LY.ccm:80212563/C3/C10/100-2017006770W DATED 15 AUGUST 2017

SHRUBS PLANTING SCHEDULE (AS SHOWN IN THE DRAWINGS UNDER THIS SUBMISSION#)															
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) H300(H) x S SPREAD (S)	SPACING (mm)	% MIX	QUANTITY (nr)				AREA (m²)				REMARK	
						HYD	LANDSCDLO	LCSD	TOTAL	HYD	LANDSCDLO	LCSD	TOTAL		
ROADSIDE SHRUB PLANTING															
AOD	<i>Agave odorata</i>	米仔蘭	500(H) x 500(S)	500	-	65	-	1936	2001	14	-	419	433		
DRG	<i>Duranta repens</i> 'Golden'	金邊蘭	500(H) x 500(S)	500	-	65	-	860	915	14	-	184	198		
FMS	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	500(H) x 500(S)	500	-	-	-	2759	2759	-	-	587	597		
HRS	<i>Hibiscus rosa-sinensis</i> 'Orange'	橙花扶桑	500(H) x 500(S)	500	-	-	-	2834	2834	-	-	613	613		
					SUBTOTAL	-	130	-	8379	8609	28	-	1813	1841	
SHADE TOLERANT PLANTING UNDER VIADUCT															
CLIMBER															
FPU	<i>Ficus pumila</i>	解結	MN. 3 SHOOTS PER PLANT, 1000mm LONG	300	-	233	1553	388	2174	-	-	-	-	PLANT ALL CLIMBERS ALONG THE WALL OF THE COLUMN	
					SUBTOTAL	-	233	1553	388	2174	-	-	-	TOTAL LINEAR LENGTH : 724.8m	
SHRUB															
EOO	<i>Excoecaria cochinchinensis</i>	紅背桂	500(H) x 400(S)	400	-	-	-	2616	2616	-	-	390	390		
PBI	<i>Philodendron bipinnatifidum</i>	掌樹	500(H) x 400(S)	400	-	-	-	2615	2615	-	-	362	362		
SAR	<i>Schefflera arboricola</i>	鵝掌藤	500(H) x 400(S)	400	-	-	-	3964	3964	-	-	549	549		
					SUBTOTAL	-	-	-	9395	9395	-	-	1301	1301	
CENTRAL MEDIAN AND NOISE BARRIER PLANTING															
ICH	<i>Isora chinensis</i>	龍船花	400(H) x 400(S)	400	-	3339	-	-	3339	1850	-	-	-	1850	
RPU	<i>Rhododendron pulchrum</i>	紫杜鵑	400(H) x 400(S)	400	-	3339	-	-	3339		-	-	-		
RBI	<i>Rhododendron simsii</i>	紅杜鵑	400(H) x 400(S)	400	-	3339	-	-	3339		-	-	-		
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 400(S)	400	-	3339	-	-	3339		-	-	-		
					SUBTOTAL	-	13356	-	-	13396	1850	-	-	1850	
VIADUCT PLANTING															
ICH	<i>Isora chinensis</i>	龍船花	400(H) x 400(S)	400	-	2628	-	-	2628	1489	-	-	-	1489	
RPU	<i>Rhododendron pulchrum</i>	紫杜鵑	400(H) x 400(S)	400	-	2628	-	-	2628		-	-	-		
RBI	<i>Rhododendron simsii</i>	紅杜鵑	400(H) x 400(S)	400	-	2628	-	-	2628		-	-	-		
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 400(S)	400	-	2628	-	-	2628		-	-	-		
					SUBTOTAL	-	10512	-	-	10512	1489	-	-	1489	
SHRUB MIX PLANTING 1 (SMP 1)															
MMA	<i>Meibomia malebathricum</i>	野牡丹	400(H) x 350(S)	500	25	2383	6194	-	8577	2063	5363	-	7426		
RIN	<i>Raphiolepis indica</i>	車輪梅	400(H) x 350(S)	500	25	2383	6194	-	8577						
RTO	<i>Rhodomyrtus tomentosa</i>	桃金娘	400(H) x 350(S)	500	25	2383	6194	-	8577						
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 350(S)	500	25	2383	6194	-	8577						
					SUBTOTAL	-	9532	24776	-	34308	2063	5363	-	7426	
SHRUB MIX PLANTING 2 (SMP 2)															
ACE	<i>Ardisia crenata</i>	朱砂根	400(H) x 350(S)	500	20	362	14811	-	15173	392	16029	-	16421		
LRO	<i>Litsea rotundifolia</i>	豺皮藤	400(H) x 350(S)	500	20	362	14811	-	15173						
MMA	<i>Meibomia malebathricum</i>	野牡丹	400(H) x 350(S)	500	20	362	14811	-	15173						
MBA	<i>Meibomia sanguineum</i>	毛堇	400(H) x 350(S)	500	20	362	14811	-	15173						
PAS	<i>Psychotria asiatica</i>	九節	400(H) x 350(S)	500	20	362	14811	-	15173						
					SUBTOTAL	-	1810	74055	-					75865	392	16029	-	16421
					TOTAL	-	35873	100384	18182	164119	5922	21392	3114	30328	

AECOM

CEDO CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 3

TITLE:

SHRUB PLANTING SCHEDULE
(SHEET 6 OF 6)

DATE 31-AUG-17

CHECKED

HLHS

DRAWN

CYK

JOB NO.

60212563/C3

SCALE

N.T.S.

SKETCH NO.

CV/2012/09/R10/120/1675

REV

A

DOCUMENT REFERENCE NO.

TREE PLANTING SCHEDULE (AS SHOWN IN THE DRAWINGS UNDER PREVIOUS SUBMISSION#)									
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY				REMARK
					HYD	LANDSD	LCSD	TOTAL	
TREE PLANTING - NATIVE									
BJ	<i>Bischofia javanica</i>	秋楓	HEAVY STANDARD TREE	5000	-	-	9	9	-
CB	<i>Cinnamomum burmannii</i>	陰香	HEAVY STANDARD TREE	5000	5	-	-	5	-
TREE PLANTING - EXOTIC									
BV	<i>Bauhinia variegata</i>	宮粉洋蹄甲	HEAVY STANDARD TREE	5000	-	-	2	2	-
JCK	<i>Juniperus chinensis 'Kaizuca'</i>	龍柏	2000(H) X 1000(S)	1500	-	-	6	6	-
KB	<i>Koelreuteria bipinnata</i>	複羽葉欒樹	HEAVY STANDARD TREE	5000	-	11	-	11	-
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	HEAVY STANDARD TREE	5000	-	-	3	3	-
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	HEAVY STANDARD TREE	5000	-	-	8	8	-
				TOTAL	5	11	28	44	

DRAWINGS UNDER LETTER REF. LY:cm:80212563/C3/C10/100-2017008776W DATED 15 AUGUST 2017

TREE PLANTING SCHEDULE (AS SHOWN IN THE DRAWINGS UNDER THIS SUBMISSION)										
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY					REMARK
					DSD	HYD	LANDSD	LCSD	TOTAL	
TREE PLANTING - NATIVE										
BJ	<i>Bischofia javanica</i>	秋楓	HEAVY STANDARD TREE	5000	10	15	0	0	25	-
CB	<i>Cinnamomum burmannii</i>	陰香	HEAVY STANDARD TREE	5000	13	12	10	0	35	-
CC	<i>Cinnamomum camphora</i>	樟樹	HEAVY STANDARD TREE	5000	9	0	0	0	9	-
PP	<i>Pongamia pinnata</i>	水黃皮	HEAVY STANDARD TREE	5000	6	0	37	20	63	-
SSU	<i>Schima superba</i>	荷樹	HEAVY STANDARD TREE	3000	0	0	50	0	50	-
SL	<i>Sterculia lanceolata</i>	假蘋婆	HEAVY STANDARD TREE	5000	14	12	6	7	39	-
TREE PLANTING - EXOTIC										
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	3000	0	0	14	0	14	-
CU	<i>Crateva unilocularis</i>	樹頭菜	HEAVY STANDARD TREE	5000	0	0	40	0	40	-
EA	<i>Elaeocarpus apiculatus</i>	尖葉杜英	HEAVY STANDARD TREE	5000	0	0	21	0	21	-
KS	<i>Khaya senegalensis</i>	非洲楝	HEAVY STANDARD TREE	5000	0	0	49	0	49	-
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	HEAVY STANDARD TREE	3000	0	0	61	0	61	-
MA	<i>Melia azedarach</i>	楝	HEAVY STANDARD TREE	5000	0	0	0	4	4	-
SC	<i>Spathodea campanulata</i>	火焰木	HEAVY STANDARD TREE	5000	0	24	0	0	24	-
SJ	<i>Syzygium jambos</i>	蒲桃	HEAVY STANDARD TREE	5000	0	0	12	0	12	-
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	HEAVY STANDARD TREE	5000	0	0	0	24	24	-
PALM TREE										
CO	<i>Caryota ochlandra</i>	魚尾葵	2500 X 1500	3000	0	0	255	31	286	-
CL	<i>Dypsis lutescens</i>	散尾葵	2500 X 1500	3000	0	0	284	80	364	-
TOTAL					52	63	639	166	1120	

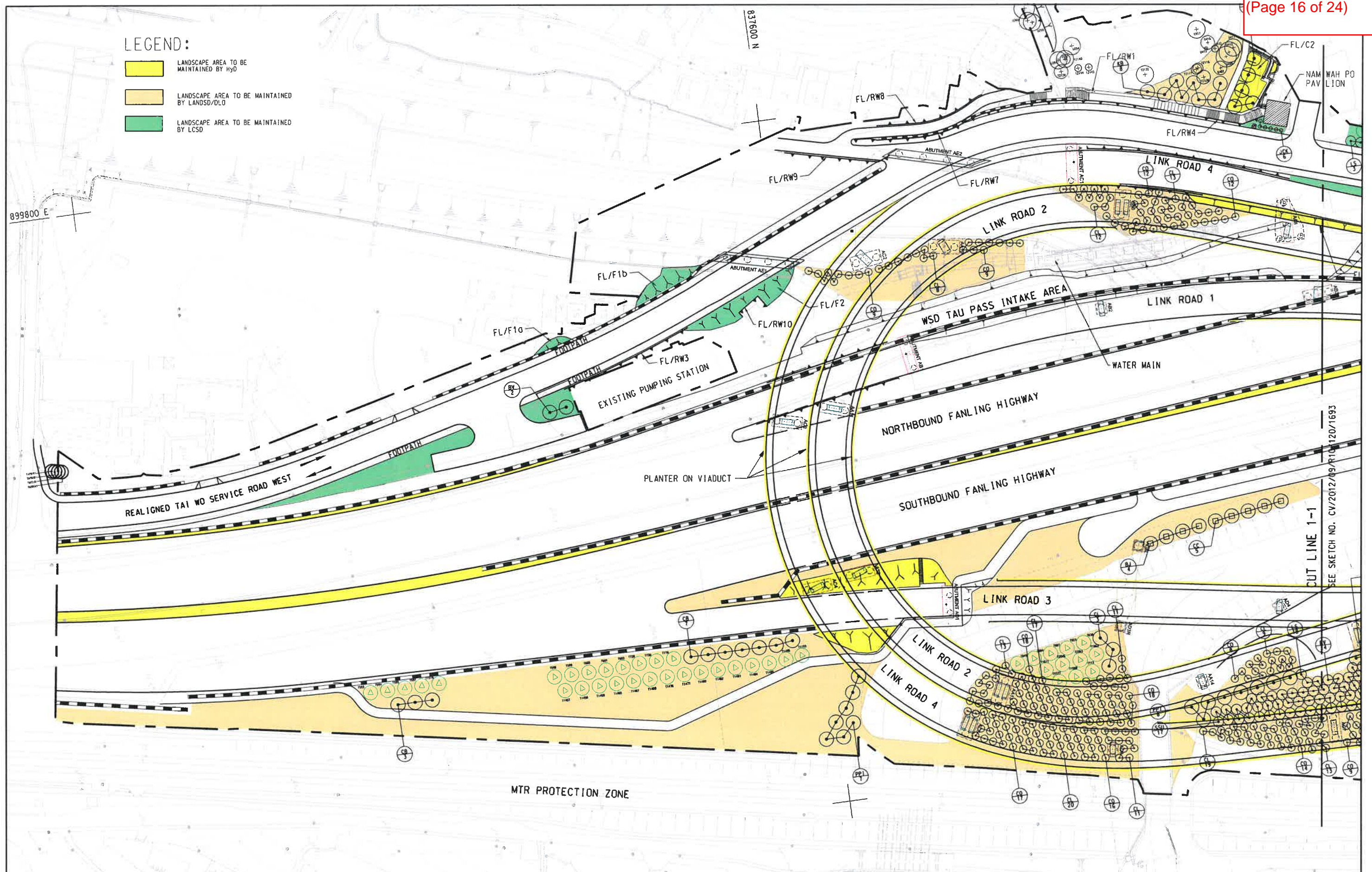
AECOM

CEDD CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 3

TITLE:

TREE PLANTING SCHEDULE

DATE	31-AUG-17		
CHECKED	HLHS	DRAWN	CYK
JOB NO.	60212563/C3		SCALE N.T.S.
SKETCH NO.	CV/2012/09/R10/120/1805		REV —
DOCUMENT REFERENCE NO.			



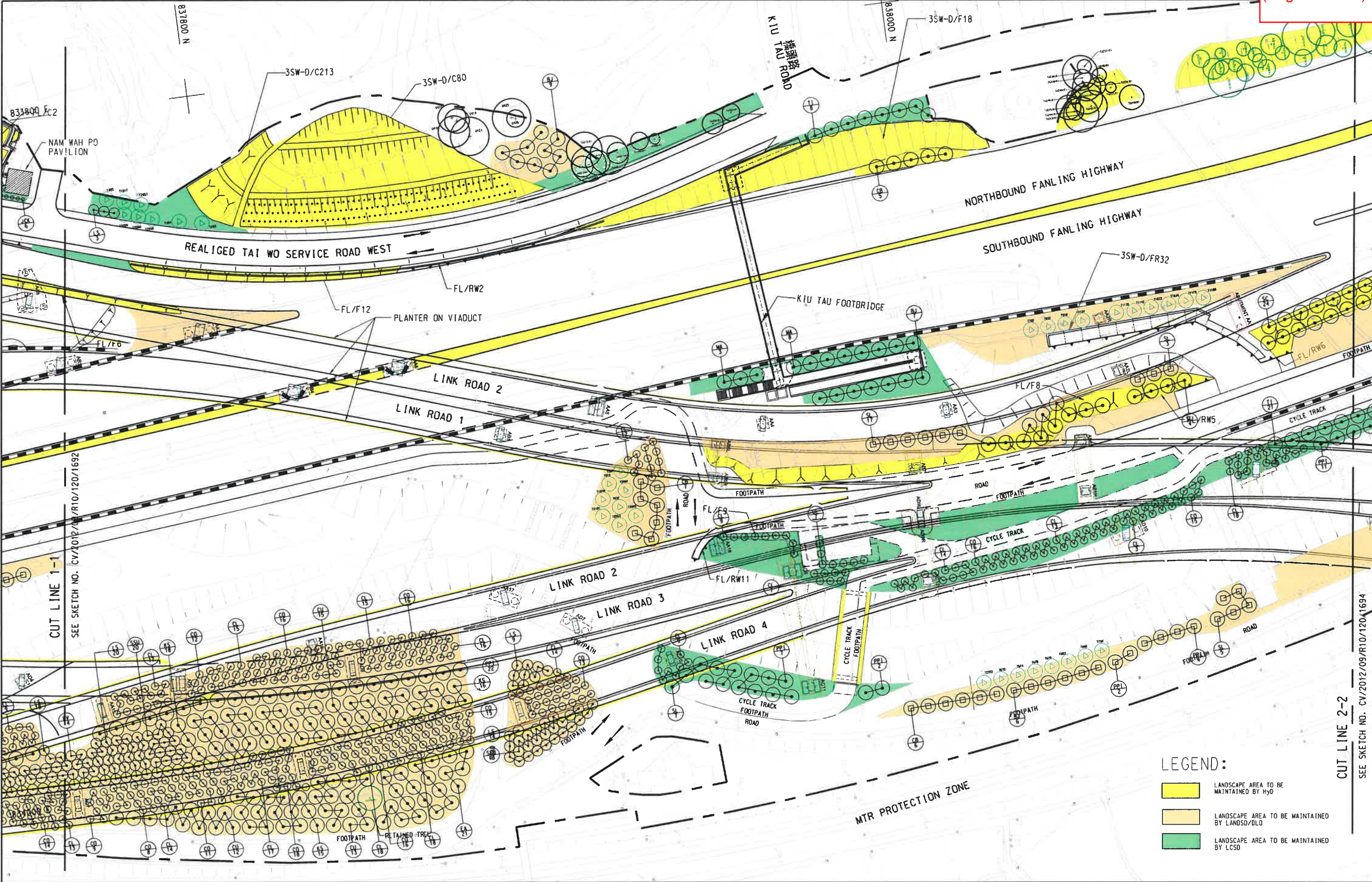
AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

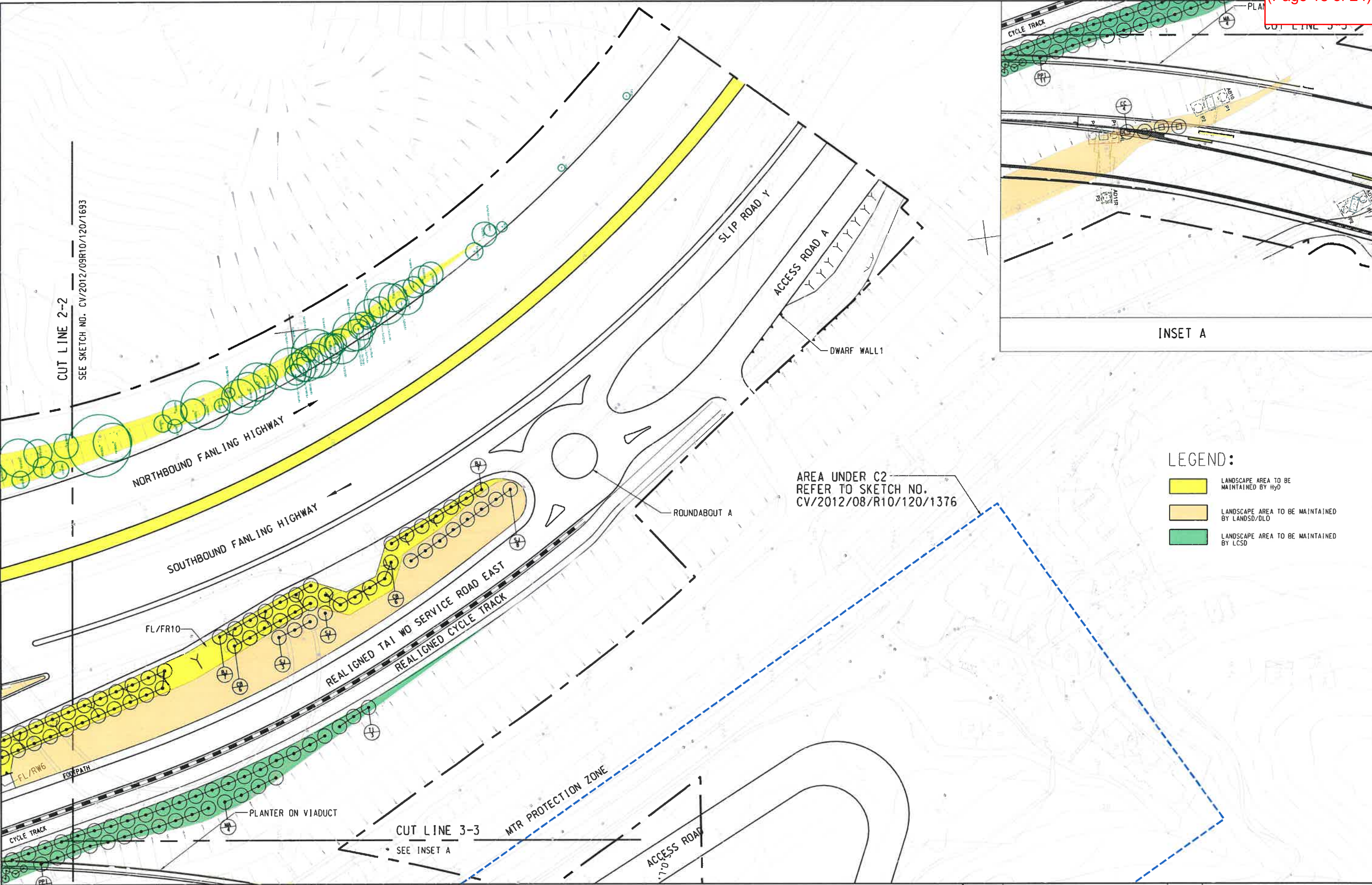
PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 1 OF 3)

21/09/2017 plot by: mandy.cheung Q:\STO Group\TO-General\Contract 3\Site Sketch\C3\SK1692-1694\SK1692-1694_D.dgn

SCALE	1:1000 ON A3	DATE	25-AUG-17
CHECKED	BWS	DRAWN	MCSM
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1692
DOCUMENT REFERENCE NO.		REV	D

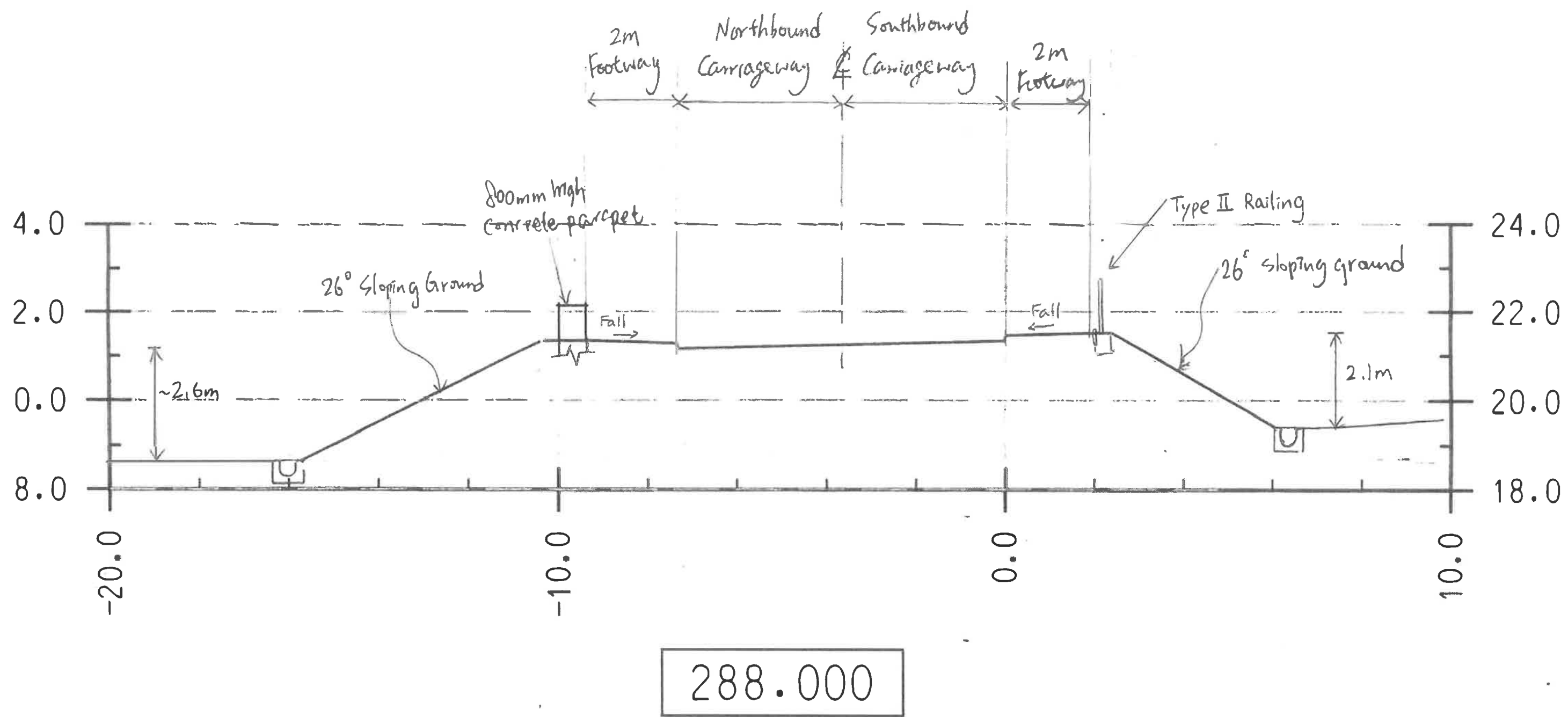


<div><div>AECOM</div><div>21/09/2017 plot by: mandy.cheung O:\STO Group\T0-General\Contract 3\Site Sketch(C3)\SK1692-1694\SK1692-1694_D.dgn</div></div>	CONTRACT NO. CV/2012/09 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3		PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 2 OF 3)		SCALE	1:1000 ON A3	DATE	25-AUG-17
					CHECKED	BWWS	DRAWN	MCSM
					JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1693
					DOCUMENT REFERENCE NO.		REV	D



	CONTRACT NO. CV/2012/09 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3		PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 3 OF 3)		SCALE 1:1000 ON A3	DATE 25-AUG-17
					CHECKED BWWS	DRAWN MCSM
					JOB NO. 60212563/C3	SKETCH NO. CV/2012/09/R10/120/1694
					DOCUMENT REFERENCE NO.	REV D

General Section for Feature no. FL/F1a, FL/F1b and FL/F2



Key Plan for Photos

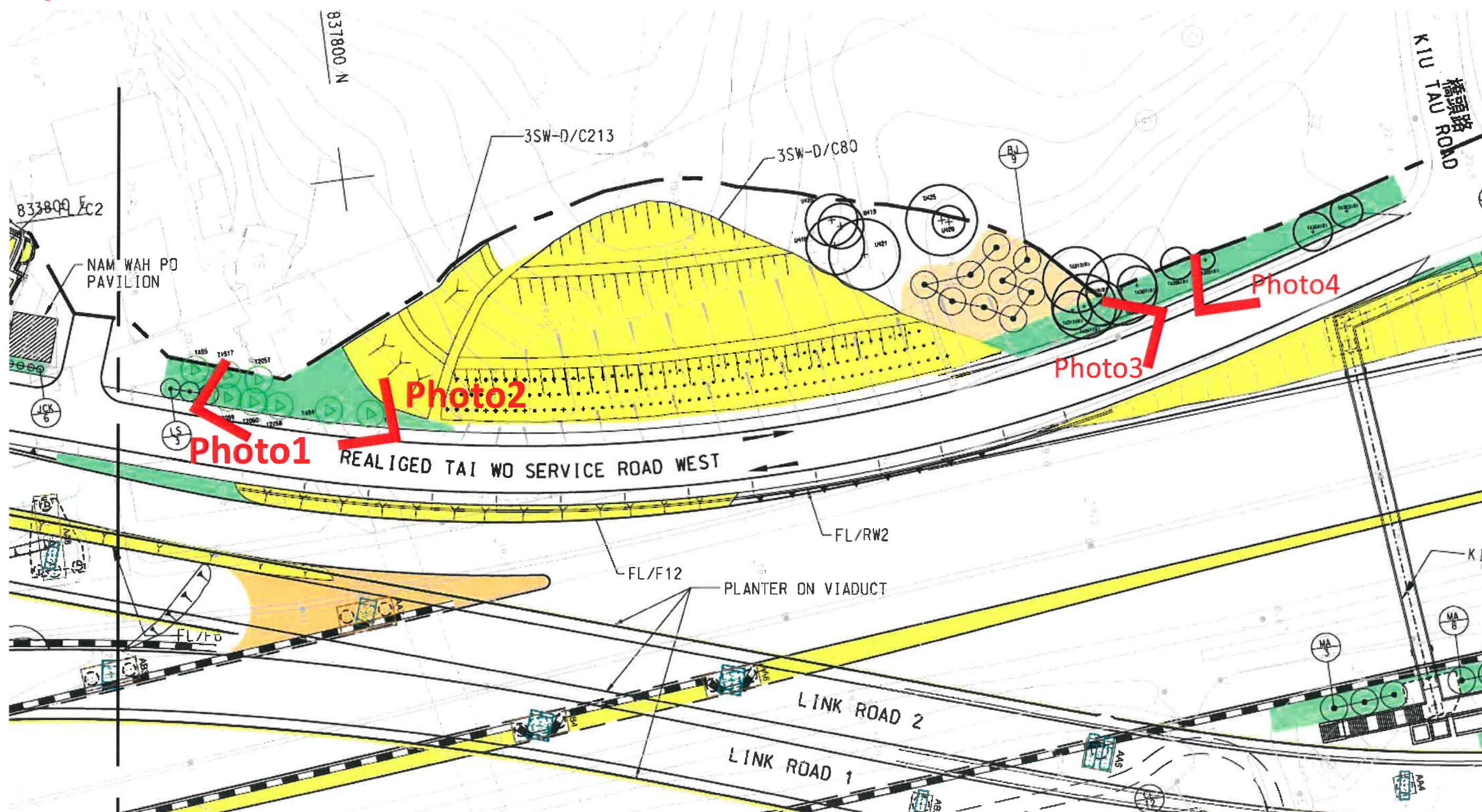


Photo 1



Photo 2



2016.12.24 13:59

Photo 3



30.05.2016 14:40

Photo 4



WOO Man Chi, Manchi

Correspondence 8
(Page 1 of 2)

From: WONG Wai Shing, Benny
Sent: 05 July 2018 09:23
To: WOO Man Chi, Manchi
Cc: WONG Tin Lok, Clement; TAM Tsz Him, Ray
Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Manchi,

Please file LCSD's comments. Thanks!

Regards,
Benny, LA
2171 3412/6321 5018

From: Phoenix WY LO [mailto:pwyl@lcsd.gov.hk]
Sent: Thursday, June 21, 2018 6:34 PM
To: WONG Wai Shing, Benny <benny.wong@lt-aecom.com>
Cc: Eddie KS CHAN <ekschan@lcsd.gov.hk>; Brian YM WONG <bymwong@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; SM FUNG <smfung@lcsd.gov.hk>
Subject: Re: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Benny,

Please find our comments below.

From tree management angle
No further comment.

From landscape angle
We have no objection to the revised planting proposal.

From district management angle
Replacement proposal of *Dicranopteris pedata* (芒萁) is acceptable for us.

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

From: "WONG Wai Shing, Benny" <benny.wong@lt-aecom.com>
To: Phoenix WY LO <pwyl@lcsd.gov.hk>
Cc: Eric CH CHAN <echochan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
Date: 26/03/2018 16:00

Correspondence 8
(Page 2 of 2)

Subject: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3
Landscape Works along Tai Wo Service Road West and Demarcation of Maintenance Responsibility

Dear Phoenix,

We discussed this morning regarding the unavailability of *Dicranopteris pedata* (芒萁) for the Ground Cover Mix Planting (GCMP) under Contract 3 of Liantang Project.

We propose to make up the quantity of unavailable species by increasing the quantity of the other 3 species of GCMP. Please note that the revised sketches with the updates clouded in red are attached at Encl. 1, for your comments. Many thanks in advance.

Regards,
Benny WONG
Assistant Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 2171 3439

CHAN Wai Yee, Queenie

From: WONG Wai Shing, Benny
Sent: Wednesday, November 15, 2017 10:58 AM
To: CHAN Wai Yee, Queenie
Cc: LEUNG Siu Yin, Carol; HUNG Wai Kin, Bobby; CHOW Chun Kit, Joseph; PAK Chau Kin, Patrick; LAU Hiu Shek, Hugo; WONG Tin Lok, Clement; TAM Tsz Him, Ray; SZE Siu Ching, Sandy
Subject: FW: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation
Attachments: Encl. 1.pdf

Dear Queenie,

Pls file LCSD's reply, with the attached Encl. 1. Thanks.

Regards,
Benny, ALA
Tel: 2171 3410

From: Phoenix WY LO [mailto:pwyl@lcsd.gov.hk]
Sent: Wednesday, November 15, 2017 10:51 AM
To: WONG Wai Shing, Benny <benny.wong@lt-aecom.com>
Cc: Eddie KS CHAN <ekschan@lcsd.gov.hk>; Jammy LC CHOI <jlcchoi@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; Brian YM WONG <bymwong@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>
Subject: Re: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation

Dear Benny,

We have no further comments on the R to C.

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

From: "WONG Wai Shing, Benny" <benny.wong@lt-aecom.com>
To: "pwyl@lcsd.gov.hk" <pwyl@lcsd.gov.hk>
Date: 08/11/2017 09:11
Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation

Re-send pls.

From: WONG Wai Shing, Benny
Sent: Wednesday, November 08, 2017 9:09 AM
To: 'Phoenix WY LO '
Cc: 'Eddie KS CHAN' <ekschan@lcsd.gov.hk>; 'Brian YM WONG' <bymwong@lcsd.gov.hk>; 'Eric CH CHAN' <echochan@lcsd.gov.hk>; 'Elsa C TSENG' <ectseng@lcsd.gov.hk>; 'Jammy LC CHOI' <jlcchoi@lcsd.gov.hk>; HUNG Wai Kin, Bobby <bobby.hung@lt-aecom.com>; CHOW Chun Kit, Joseph <joseph.chow@lt-aecom.com>; PAK Chau Kin, Patrick <patrick.pak@lt-aecom.com>; LEUNG Siu Yin, Carol <carol.leung@lt-aecom.com>; LAU Hiu Shek, Hugo <hugo.lau@lt-aecom.com>; WONG Tin Lok, Clement <clement.wong@lt-aecom.com>; TAM Tsz Him, Ray <ray.tam@lt-aecom.com>; SZE Siu Ching, Sandy <sandy.sze@lt-aecom.com>
Subject: RE: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation

Dear Phoenix,

Thanks for your comment. Please find our response as follows:

Item	Comments	Response-To-Comments
1.	Referring to item 5, this Department disagrees with the consultant's response that the planting of 18 nos. of concerned trees in their submission is required and approved by ACABUS Committee because from the minutes 11.0 (ii) only shrub planting instead of hydro-seeding for the area near Kiu Tau footbridge was proposed without any mention on tree planting. Furthermore, the planting plan with tree or any other vegetation should be sought agreement from the department which going to take over the concerned vegetation for maintenance before submitted to ACABUS for approval. As such, in view that LCSD does not agree the planting of trees at the proposed location, the consultant should be informed that LCSD will not take over the subject trees for future maintenance because of inaccessibility to the trees by hydraulic platform for tree maintenance as well as the unfavourable condition for trees growing in between the footbridge and noise barrier.	The 18 nos. of concerned trees were replaced by 18 nos. of small palms, i.e. <i>Dypsis lutescens</i> 散尾葵. Please refer to the revised sketches nos. CV/2012/09/R10/120/1622A and 1805A, in Encl. 1.

Regards,
Benny WONG
Assistant Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 2171 3410

From: Phoenix WY LO [mailto:pwyl@lcsd.gov.hk]
Sent: Monday, October 30, 2017 3:53 PM
To: WONG Wai Shing, Benny <benny.wong@lt-aecom.com>
Cc: Eddie KS CHAN <ekschan@lcsd.gov.hk>; Brian YM WONG <bymwong@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; Jammy LC CHOI <jlcchoi@lcsd.gov.hk>
Subject: Re: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and

Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation

Dear Benny,

Please find our comments in respect of Tai Po District.

Referring to item 5, this Department disagrees with the consultant's response that the planting of 18 nos. of concerned trees in their submission is required and approved by ACABUS Committee because from the minutes 11.0 (ii) only shrub planting instead of hydro-seeding for the area near Kiu Tau footbridge was proposed without any mention on tree planting. Furthermore, the planting plan with tree or any other vegetation should be sought agreement from the department which going to take over the concerned vegetation for maintenance before submitted to ACABUS for approval. As such, in view that LCSD does not agree the planting of trees at the proposed location, the consultant should be informed that LCSD will not take over the subject trees for future maintenance because of inaccessibility to the trees by hydraulic platform for tree maintenance as well as the unfavourable condition for trees growing in between the footbridge and noise barrier.

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

From: "WONG Wai Shing, Benny" <benny.wong@lt-aecom.com>
To: "pwyl@lcsd.gov.hk" <pwyl@lcsd.gov.hk>
Date: 18/10/2017 11:34
Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation

Dear Phoenix,

Re-send (submission for other areas under C3).

Regards,
Benny
2171 3410

From: WONG Wai Shing, Benny
Sent: Wednesday, October 18, 2017 11:08 AM
To: 'Phoenix WY LO '
Cc: 'Eddie KS CHAN' <ekschan@lcsd.gov.hk>; 'Brian YM WONG' <bymwong@lcsd.gov.hk>; 'Eric CH CHAN' <echochan@lcsd.gov.hk>; 'Jammy LC CHOI' <jlcchoi@lcsd.gov.hk>; 'Elsa C TSENG' <ectseng@lcsd.gov.hk>; 'Ken PK LAM' <kpklam@lcsd.gov.hk>; Lam, Yee Lin Elaine <elaine.lam@aecom.com>; PAK Chau Kin, Patrick <patrick.pak@lt-aecom.com>; WONG Mung Sze, Jackie <jackie.wong@lt-aecom.com>; LEUNG Siu Yin, Carol <carol.leung@lt-

aecom.com>; WONG Tin Lok, Clement <clement.wong@lt-aecom.com>; TAM Tsz Him, Ray <ray.tam@lt-aecom.com>; SZE Siu Ching, Sandy <sandy.sze@lt-aecom.com>; LAU Hiu Shek, Hugo <hugo.lau@lt-aecom.com>; CHOW Chun Kit, Joseph <joseph.chow@lt-aecom.com>

Subject: RE: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation

Dear Phoenix,

I refer to your comments provided via the preceding email dated 25 September 2017 on the captioned submission under our letter ref. LYL:ccm:60212563/C3/C10/100-2017009769W dated 13 September 2017. Please find our responses as follows:-

Item	Comments	Response-To-Comments
From landscape angle		
1.	For Drawing no. CV/2012/09/R10/120/1685A <ul style="list-style-type: none">There is a typo found on item 16.5) Installation of "ROOF"(ROOT) barriers for planting areas abutting utilities corridor shall refer to drawings for civil works.	Noted. Please refer to the revised drawing no. CV/2012/09/R10/120/1685 (Rev. A) in Encl. 1.
2.	For Drawing no. CV/2012/09/R10/120/1805 <ul style="list-style-type: none">Please adopt the Botanical name of <i>Chrysalidocarpus lutescens</i> (散尾葵) by <i>Dypsis lutescens</i>	Noted. Please refer to the drawing no. CV/2012/09/R10/120/1805 in Encl. 1.
3.	For Drawing no. CV/2012/09/R10/120/1675A <ul style="list-style-type: none">The TOTAL figure showed in the "Shrub Planting Schedule(As shown in the drawings under this submission)" is not tally with the SUBTOTAL figures as shown under LCSD. Please verify.	Noted. Please refer to the revised drawing no. CV/2012/09/R10/120/1675 (Rev. A) in Encl. 1
From tree management angle		
4.	<ul style="list-style-type: none">Referring all trees to be handed over to LCSD for future maintenance by the side of cycle track, HyD should confirm that the cycle track is accessible by hydraulic platform vehicle for tree maintenance;	Please note that the issue was clarified in our Response-to-Comments submitted to LCSD via email ref. C25230 dated 8 September 2017 and LCSD confirmed to have no comment on it. Please refer to Encl. 2- the Email Correspondences for your ease of reference.
5.	<ul style="list-style-type: none">This Department has reservation on planting of 18 nos. of trees by the side of Kiu Tau footbridge where the accessibility to the trees is in doubt. Furthermore, the location is not favourable for future development of the trees by growing in between the noise barrier and the ramp or by the side of the elevated link road 2.	Please note that planting of 18 nos. of the concerned trees is required in the submission approved by ACABUS Committee. Please refer to Encl. 3 – Minutes and Drawings Extracted from the Approved ACABUS Submission for your further consideration.

Regards,
Benny WONG
Assistant Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 2171 3410

From: LEUNG Siu Yin, Carol
Sent: Monday, September 25, 2017 2:08 PM
To: WONG Wai Shing, Benny <benny.wong@lt-aecom.com>; WONG Tin Lok, Clement <clement.wong@lt-aecom.com>
Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation of Mai

Dear all,
Please follow up

Thanks!
Carol
21713405/63215017

From: Lam, Yee Lin Elaine [mailto:elaine.lam@aecom.com]
Sent: Monday, September 25, 2017 12:24 PM
To: LEUNG Siu Yin, Carol
Cc: WOO Man Chi, Manchi
Subject: FW: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation of Mai

Dear Carol,

Please find below LCSD's comments for your onward action. Thanks.

Regards,

Elaine
3922 9246

From: Phoenix WY LO [mailto:pwyl@lcsd.gov.hk]
Sent: Monday, September 25, 2017 11:55 AM
To: Lam, Yee Lin Elaine <elaine.lam@aecom.com>
Cc: Eddie KS CHAN <ekschan@lcsd.gov.hk>; Brian YM WONG <bymwong@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>; Jammy LC CHOI <jlcchoi@lcsd.gov.hk>; Elsa C TSENG <ectsen@lcsd.gov.hk>; Ken PK LAM <kpklam@lcsd.gov.hk>
Subject: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works - Contract 3 - Proposed Soft Landscape Works along Viaducts, Fanling Highway and Realigned Tai Wo Service Road East and Demarcation of Main...

Dear Elaine,
I refer to the letter ref. LYL:cm:60212563/C3/C10/100-2017009769W dated 13 September 2017 from AECOM on the above subject, please note our comments in respect of Tai Po District as follows -

From landscape angle

For Drawing no. CV/2012/09/R10/120/1685A

- There is a typo found on item 16.5) Installation of "ROOF"(ROOT) barriers for planting areas abutting utilities corridor shall refer to drawings for civil works.

For Drawing no. CV/2012/09/R10/120/1805

- Please adopt the Botanical name of *Chrysalidocarpus lutescens* (散尾葵) by *Dypsis lutescens*

For Drawing no. CV/2012/09/R10/120/1675A

- The TOTAL figure showed in the "Shrub Planting Schedule(As shown in the drawings under this submission)" is not tally with the SUBTOTAL figures as shown under LCSD. Please verify.
-

From tree management angle

- Referring all trees to be handed over to LCSD for future maintenance by the side of cycle track, HyD should confirm that the cycle track is accessible by hydraulic platform vehicle for tree maintenance;
- This Department has reservation on planting of 18 nos. of trees by the side of Kiu Tau footbridge where the accessibility to the trees is in doubt. Furthermore, the location is not favourable for future development of the trees by growing in between the noise barrier and the ramp or by the side of the elevated link road 2.

Regards,
Phoenix LO
EO(Planning)7/ LCSD
Tel: 2601 8047
Fax: 2695 3886

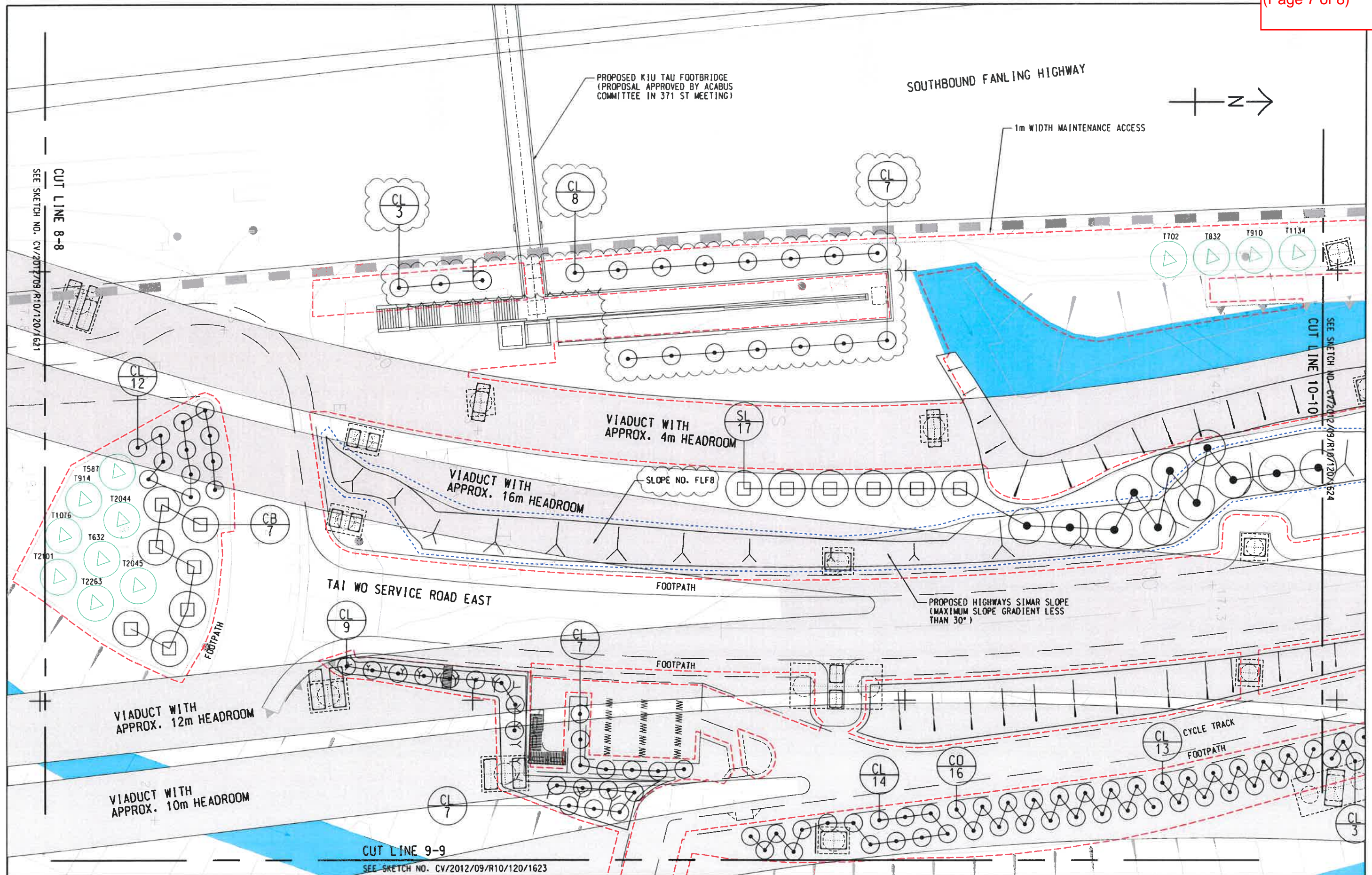
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-----[附件檔 "Encl. 1_Skt no. 1675_1685A_1805.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "Encl. 2_C25230_Email Correspondences.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除] [附件檔 "Encl. 3_Minutes and Drawing Extracted from the Approved ACABUS Submissio....pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除]

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-----[附件檔 "Encl. 1.pdf" 已被 Phoenix WY LO/LCSD/HKSARG 刪除]

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding

**AECOM**

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

TREE PLANTING PLAN - TAI WO SERVICE
ROAD EAST (SHEET 14 OF 18)

SCALE	1:400 ON A3	DATE	7-NOV-17
CHECKED	HLHS	DRAWN	MCSM
JOB NO.	SKETCH NO.		REV
60212563/C3	CV/2012/09/R10/120/1622		A
DOCUMENT REFERENCE NO.			

TREE PLANTING SCHEDULE (AS SHOWN IN THE DRAWINGS UNDER PREVIOUS SUBMISSION#)									
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY				REMARK
					HYD	LANDSD	LCSD	TOTAL	
TREE PLANTING - NATIVE									
BJ	<i>Bischofia javanica</i>	秋楓	HEAVY STANDARD TREE	5000	-	-	9	9	-
CB	<i>Cinnamomum burmannii</i>	陰香	HEAVY STANDARD TREE	5000	5	-	-	5	-
TREE PLANTING - EXOTIC									
BV	<i>Bauhinia variegata</i>	宮粉洋蹄甲	HEAVY STANDARD TREE	5000	-	-	2	2	-
JCK	<i>Juniperus chinensis 'Kaizuca'</i>	龍柏	2000(H) X 1000(S)	1500	-	-	6	6	-
KB	<i>Koelreuteria bipinnata</i>	複羽葉欒樹	HEAVY STANDARD TREE	5000	-	11	-	11	-
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	HEAVY STANDARD TREE	5000	-	-	3	3	-
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	HEAVY STANDARD TREE	5000	-	-	8	8	-
				TOTAL	5	11	28	44	

DRAWINGS UNDER LETTER REF. LY:ccm:60212563/C3/C10/100-2017008776W DATED 15 AUGUST 2017

TREE PLANTING SCHEDULE (AS SHOWN IN THE DRAWINGS UNDER THIS SUBMISSION)										
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY					REMARK
					DSD	HYD	LANDSD	LCSD	TOTAL	
TREE PLANTING - NATIVE										
BJ	<i>Bischofia javanica</i>	秋楓	HEAVY STANDARD TREE	5000	10	15	0	0	25	-
CB	<i>Cinnamomum burmannii</i>	陰香	HEAVY STANDARD TREE	5000	13	12	10	0	35	-
CC	<i>Cinnamomum camphora</i>	樟樹	HEAVY STANDARD TREE	5000	9	0	0	0	9	-
FPI	<i>Pongamia pinnata</i>	水黃皮	HEAVY STANDARD TREE	5000	6	0	37	20	63	-
SSU	<i>Schima superba</i>	荷樹	HEAVY STANDARD TREE	3000	0	0	50	0	50	-
SL	<i>Sterculia lanceolata</i>	假蘋婆	HEAVY STANDARD TREE	5000	14	12	6	7	39	-
TREE PLANTING - EXOTIC										
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	3000	0	0	14	0	14	-
CU	<i>Crateva unilocularis</i>	樹頭菜	HEAVY STANDARD TREE	5000	0	0	40	0	40	-
EA	<i>Elaeocarpus apiculatus</i>	尖葉杜英	HEAVY STANDARD TREE	5000	0	0	21	0	21	-
KS	<i>Khaya senegalensis</i>	非洲楝	HEAVY STANDARD TREE	5000	0	0	49	0	49	-
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	HEAVY STANDARD TREE	3000	0	0	61	0	61	-
MA	<i>Melia azedarach</i>	楝	HEAVY STANDARD TREE	5000	0	0	0	4	4	-
SC	<i>Spathodea campanulata</i>	火焰木	HEAVY STANDARD TREE	5000	0	24	0	0	24	-
SJ	<i>Syzygium jambos</i>	蒲桃	HEAVY STANDARD TREE	5000	0	0	12	0	12	-
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	HEAVY STANDARD TREE	5000	0	0	0	24	24	-
PALM TREE										
CO	<i>Caryota ochlandra</i>	魚尾葵	2500 X 1500	3000	0	0	255	31	286	-
CL	<i>Dypsis lutescens</i>	散尾葵	2500 X 1500	3000/5000	0	0	284	98	382	-
TOTAL					52	63	839	184	1138	

AECOM

CEDD CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 3

TITLE:

TREE PLANTING SCHEDULE

DATE 1-NOV-17
CHECKED HLHS DRAWN CYK
JOB NO. 60212563/C3 SCALE N.T.S.
SKETCH NO. CV/2012/09/R10/120/1805 REV A

DOCUMENT REFERENCE NO.

CHENG Ching Yee, Cherry

From: Yan YY HO <yayyho@lcsd.gov.hk>
Sent: Friday, June 21, 2019 11:42 AM
To: NGO Tsz Kei, Twiggy
Cc: Anthony KW WONG; SM FUNG; Elsa C TSENG; Eric CH CHAN; Maggie PL YUNG; Ken PK LAM; WH CHUNG; Phoenix WY LO; Eddie KS CHAN
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to my preceding email, please find our additional comments below:

From landscape management angle

Please note that we have no further comment on the planting proposal.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374
----- Forwarded by Yan YY HO/LCSD/HKSARG on 21/06/2019 11:38 -----

From: Yan YY HO/LCSD/HKSARG
To: twiggy.ngo@lt-aecom.com
Cc: Anthony KW WONG/LCSD/HKSARG@LCSD, SM FUNG/LCSD/HKSARG@LCSD, Elsa C TSENG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Maggie PL YUNG/LCSD/HKSARG@LCSD, Ken PK LAM/LCSD/HKSARG@LCSD, WH CHUNG/LCSD/HKSARG@LCSD, Phoenix WY LO/LCSD/HKSARG@LCSD, Eddie KS CHAN/LCSD/HKSARG@LCSD
Date: 20/06/2019 15:42
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to my preceding email, please find our additional comments below:

From district management angle

The planting proposal of the shrubs is acceptable for us. Please remind the works department that the water points/irrigation system should be handed over to our maintenance agent (ArchSD/EMSD) upon completion work for their maintenance in future. Meanwhile, U-channel and E1 kerbs should be taken over by the relevant departments for maintenance as well. Thank you.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374
----- Forwarded by Yan YY HO/LCSD/HKSARG on 20/06/2019 15:35 -----

From: Yan YY HO/LCSD/HKSARG
To: twiggy.ngo@lt-aecom.com
Cc: Anthony KW WONG/LCSD/HKSARG@LCSD, SM FUNG/LCSD/HKSARG@LCSD, Elsa C TSENG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Maggie PL YUNG/LCSD/HKSARG@LCSD, Ken PK LAM/LCSD/HKSARG@LCSD, WH CHUNG/LCSD/HKSARG@LCSD, Phoenix WY LO/LCSD/HKSARG@LCSD, Eddie KS CHAN/LCSD/HKSARG@LCSD
Date: 19/06/2019 11:36
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to your email dated 6 June 2019 on the captioned subject. Please find our comments as below:

From district management angle

This office has no comment on the proposed arrangement in view of shrubs management. Please be advised that access road should be provided as appropriate on the proposed landscape area to facilitate our vegetation maintenance. For the additional landscape area, the detail of the proposed species of shrubs should be sought our comment.

From tree management angle

We have no adverse comment on the proposed trees at the additional landscape area along Tai Wo Service Road East. However, as there will be shrubs planting, please ensure sufficient clearance (at least 300mm) should be provided around the trunk base area in order not to affect our tree inspection work.

From landscape management angle

We have no comment at this stage and our comment will be provided when detailed landscape plan is available.

Thank you.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "pwylol@lcsd.gov.hk" <pwylol@lcsd.gov.hk>
Cc: "smfung@lcsd.gov.hk" <smfung@lcsd.gov.hk>, "mplyung@lcsd.gov.hk" <mplyung@lcsd.gov.hk>, "echochan@lcsd.gov.hk" <echochan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>, "LING Yun, Julian" <julian.ling@lt-aecom.com>, "YAU Ngok, Weaven" <weaven.yau@lt-aecom.com>
Date: 06/06/2019 14:09
Subject: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Ms. Lo,

In view of the agreement made between the Cross Boundary Maintenance Section of HyD and CEDD on 28 March 2019 (see **Encl. A**) regarding the maintenance responsibility of the Realigned Tai Wo Service Road East (TWSRE), please be notified that NT/HyD had agreed to take up the maintenance of TWSRE. We therefore propose to hand over the roadside landscape areas (approx. 1670m², see **Encl. B**) along the TWSRE in accordance with the Appendix A of *Technical Circular (Works) No. 6/2015* (see **Encl. C**), for your future maintenance.

Please find a set of *Proposed Additional Soft Landscape Area along Tai Wo Service Road East* in **Encl. D** and a set of *Proposed Maintenance Demarcation Plans for Soft Landscape Works* in **Encl. E** for your consideration and approval.

We confirm that this proposal is fully complied with the requirement listed in the *"General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance"*, promulgated by LCSD in May 2018. In which, 360m of continuous physical demarcations (U-channel and E1 Kerbs) will be provided to clearly delineate the LCSD landscape area from other planting areas; and, adequate lockable water points will also be provided for your maintenance use (locations of water points are for reference only and should subject to WSD approval). On the other hand, sufficient Recurrent Cost (RC) will be allocated for your future maintenance.

Due to the tight programme for completion of the landscape softworks, we would be grateful to receive your reply before 21 June 2019. Should you have any queries, please feel free to contact myself or my Senior Resident Landscape Architect, Ms. Carol Leung, at 2171 3405.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

[附件檔 "Encl E.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl A.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除]
[附件檔 "Encl B.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl C.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除]
[附件檔 "Encl D.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除]

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FUNG Kit Ying, Joey

From: Yan YY HO <yayyho@lcsd.gov.hk>
Sent: Tuesday, January 14, 2020 4:46 PM
To: LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy
Cc: Anthony KW WONG; KP WAH; SM FUNG; Jos PL CHENG; Ken PK LAM; Phoenix WY LO; Eddie KS CHAN; Elsa C TSENG
Subject: Re: FW: Email to LCSD for AC10 planting area

Dear Twiggy,

I refer to the preceding email, please find our comments below:

From district management angle

We agreed to replace 3nr heavy standard trees (*Sterculia lanceolata* 假蘋婆) with 6nr palm (*Phoenix roebanii* 日本葵).

From tree management angle

We have no objection on the replacement proposal.

From landscape angle

We have no objection on the replacement tree planting proposal as suggested by the project proponent.

Best regards,
Yan HO
SEA(P)23 /LCSD
Tel: 2601 7435

From: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>
To: "seap7@lcsd.gov.hk" <seap7@lcsd.gov.hk>, "echochan@lcsd.gov.hk" <echochan@lcsd.gov.hk>
Cc: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "YUE Chung Man, Louis" <louis.yue@lt-aecom.com>, "LAM Wing Ki, Vicky" <vicky.lam@lt-aecom.com>
Date: 19/12/2019 17:27
Subject: FW: Draft Email to LCSD for AC10 planting area

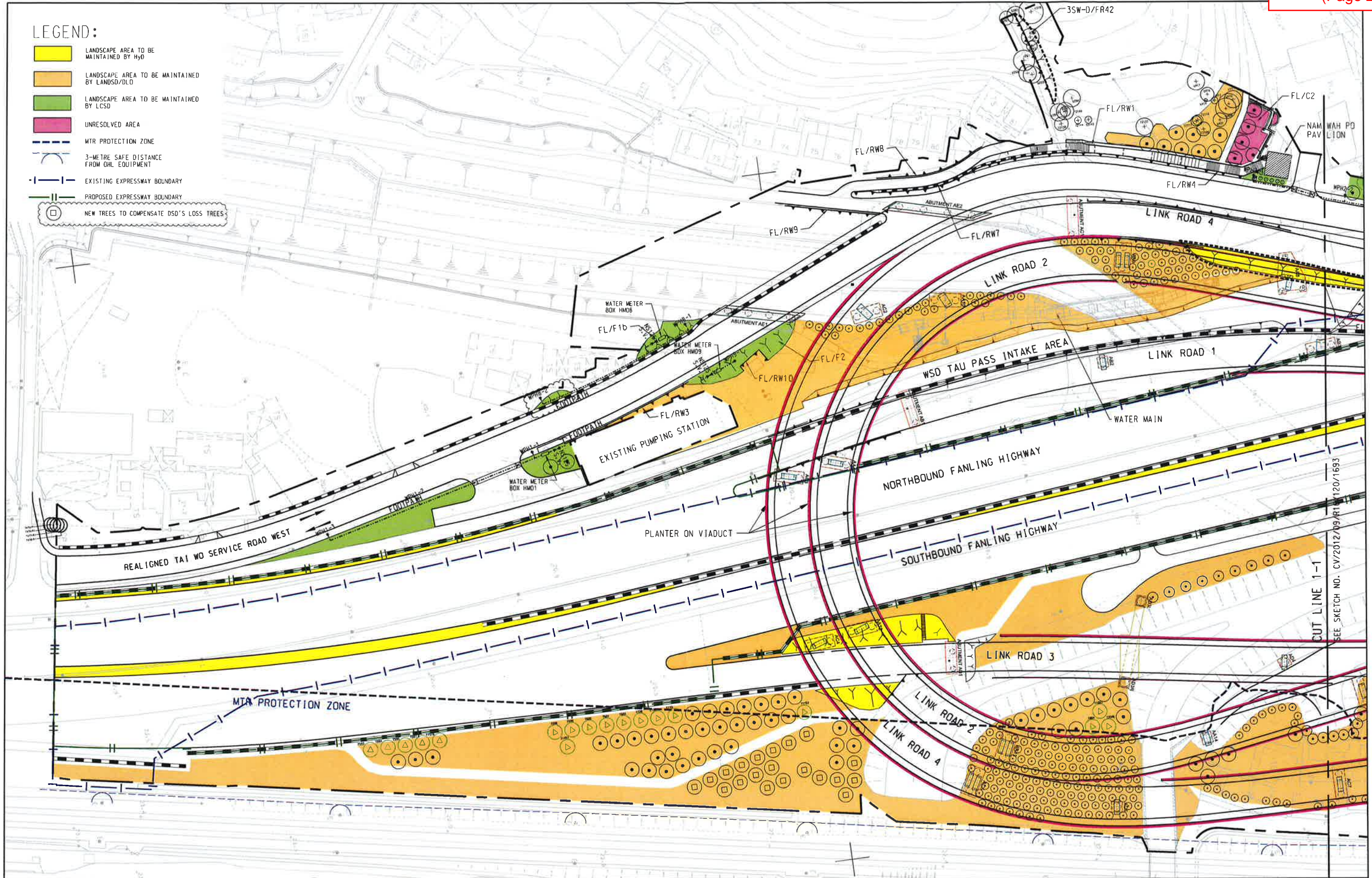
Dear Yan and Eric,

Further to the approved "Proposed Maintenance Demarcation Plan for Soft Landscape Works" (see **Encl.A**) dated 8 July 2019, we recently observed that the alignment of as-built viaducts are slightly different from the drawing and which induce conflicts with the as-planted trees. We therefore propose to replace **3nr** heavy standard trees (*Sterculia lanceolata* 假蘋婆) with **6nr** palm (*Phoenix roebanii* 日本葵) at planting area near Pier AC10 (highlighted in **Encl.A**). Please find in **Encl.B**, a comparison between the original and recent proposal, and in **Encl. C** and **D**, the detail landscape proposal, for your approval.

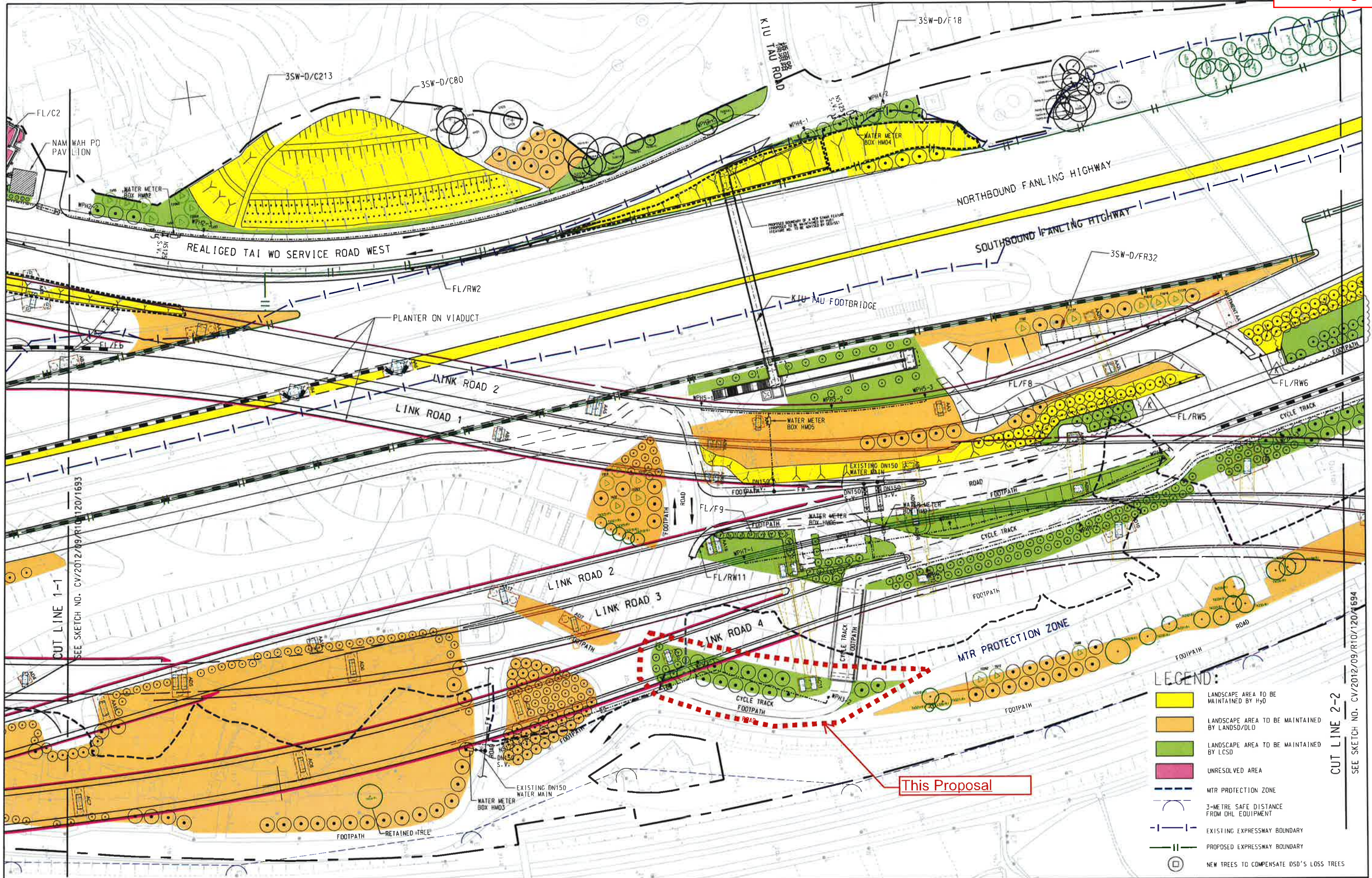
Upon your acceptance, we will provide a full set of updated drawings to reflect the as-built site record, for your retention.

We would be grateful to receive your agreement before 31 December 2019.

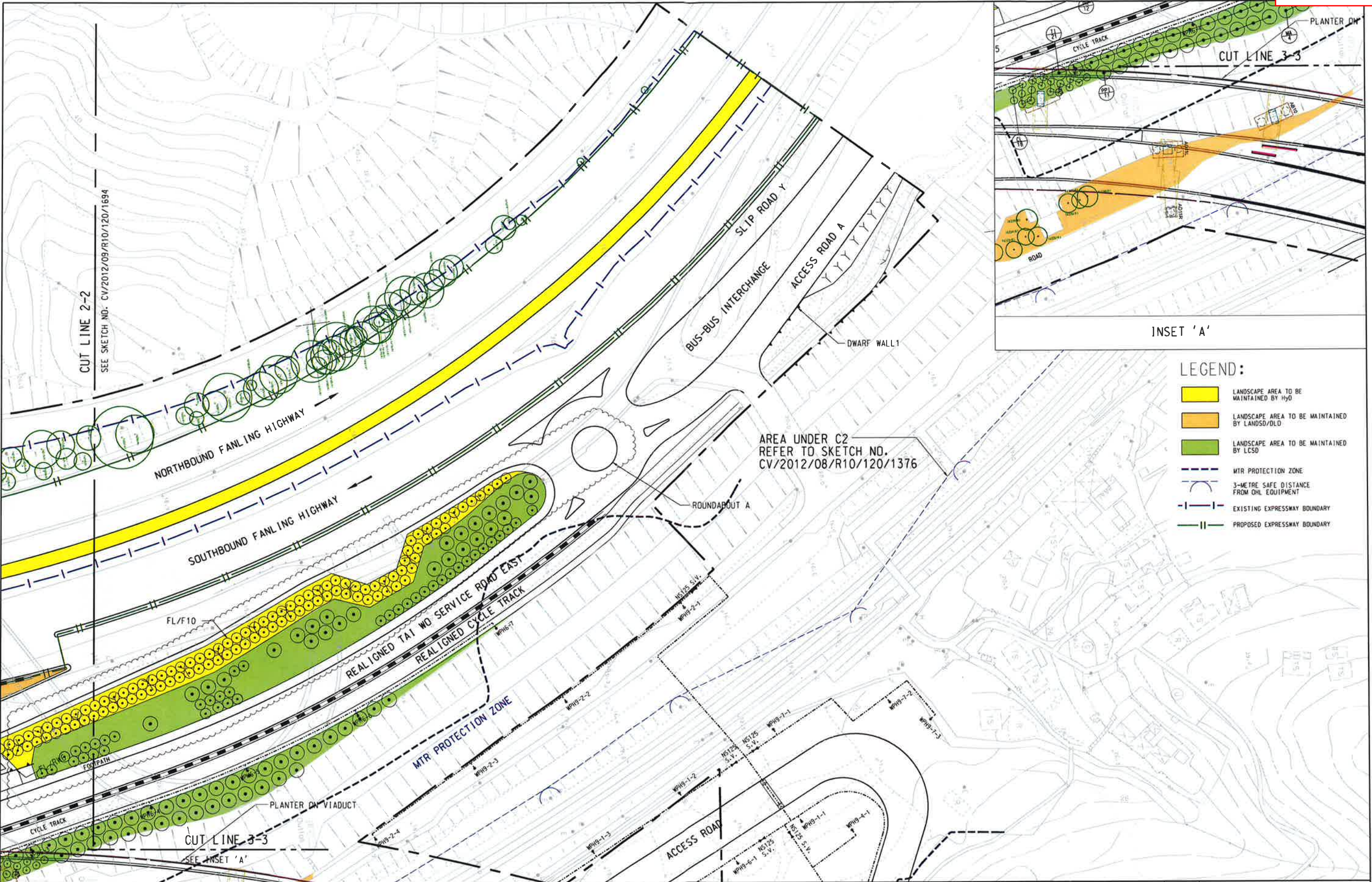
Regards,
Twiggy Ngo
Resident Landscape Architect



	CONTRACT NO. CV/2012/09 LI ANIANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3	PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 1 OF 3)		SCALE	1:1000 ON A3	DATE	30-NOV-18
				CHECKED	VL WK	DRAWN	MCSM
				JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1692
				DOCUMENT REFERENCE NO.		REV	G



AECOM	CONTRACT NO. CV/2012/09/110/120/1693 LI ANIANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3	PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 2 OF 3)		SCALE	1:1000 ON A3	DATE	28-JUN-19
				CHECKED	TNTK	DRAWN	IFPY
				JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1693
				DOCUMENT REFERENCE NO.		REV	K

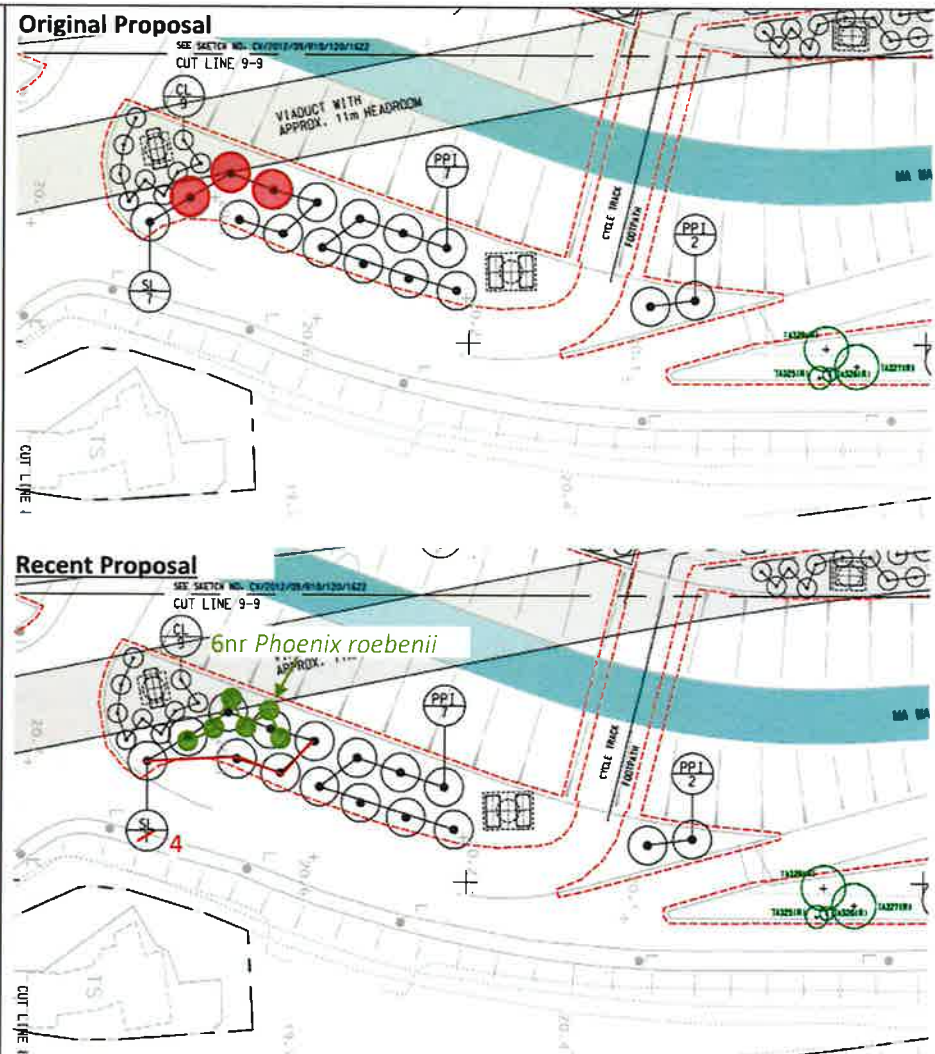


AECOM	CONTRACT NO. CV/2012/09 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3	PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 3 OF 3)		SCALE	1:1000 ON A3	DATE	3-JUN-19		
				CHECKED	TNTK	DRAWN	IFPY		
				JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1694	REV	I
				DOCUMENT REFERENCE NO.					
05/06/2019 plot by: y.k.chan		Q:\STO Group\TO-General\Contract 3\Site Sketch\C3\SK1692-1694\SK1694_L.dgn							

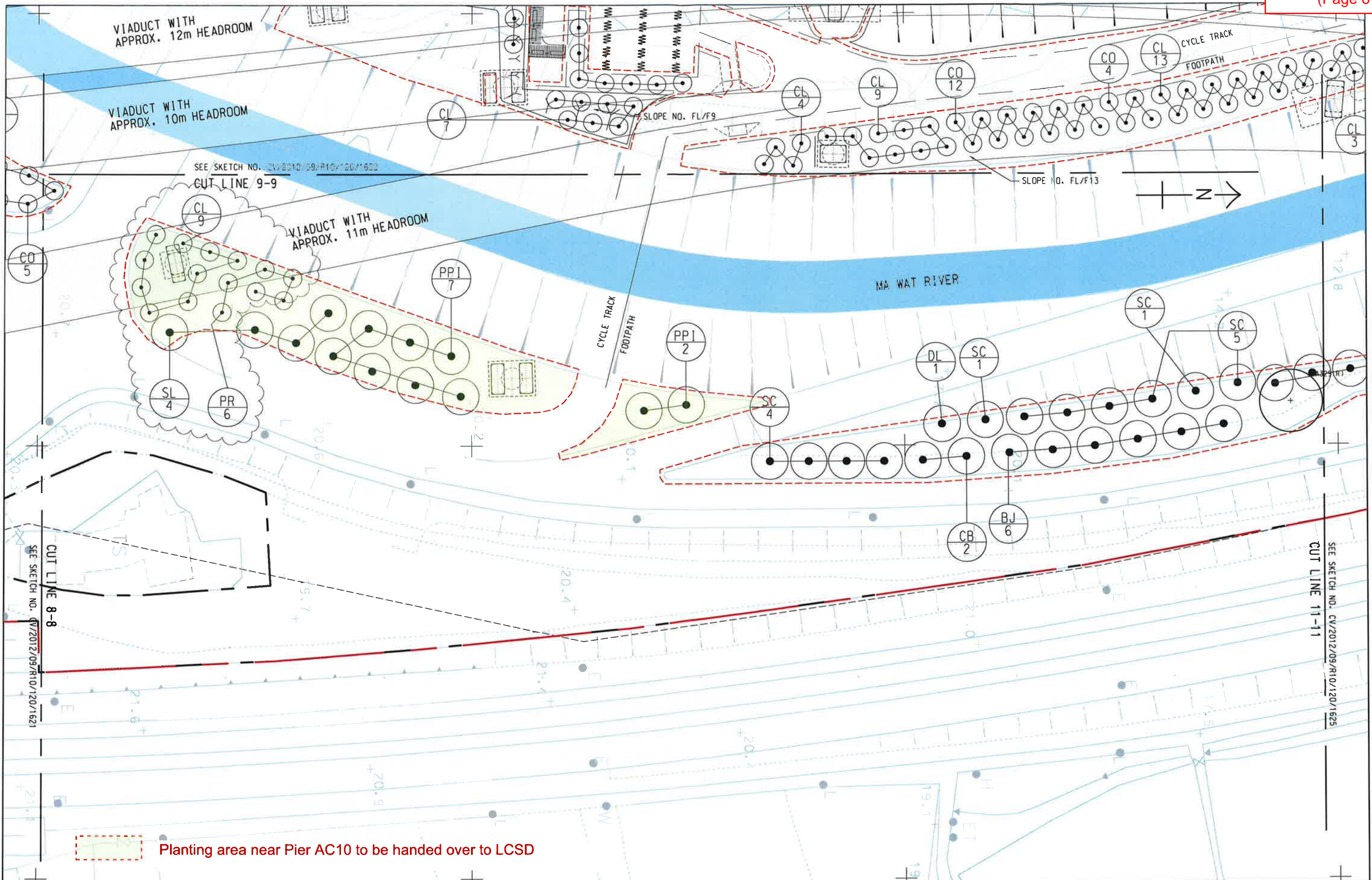
Planting at Planting area AC10 along Cycle track of TWSRE



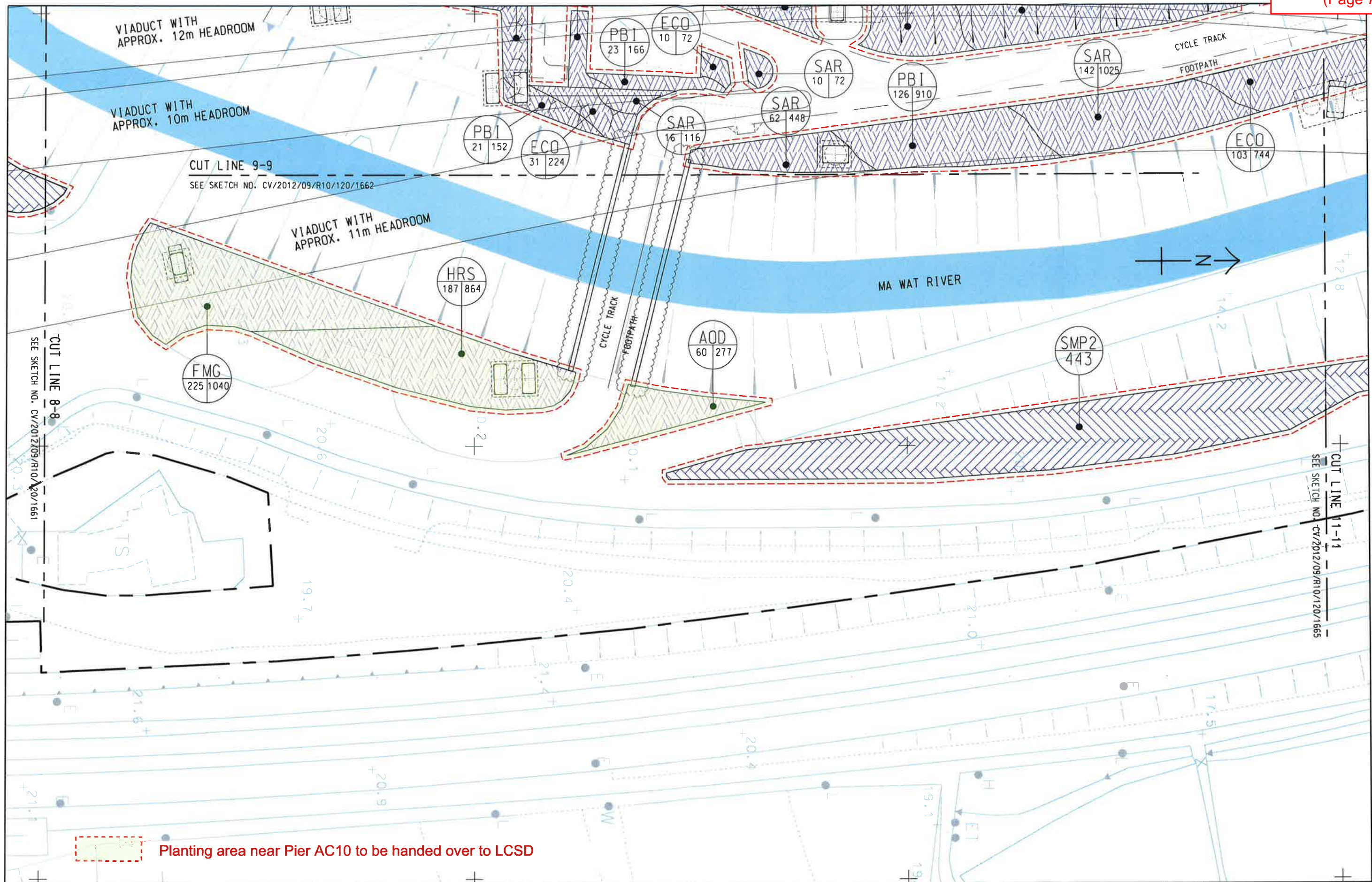
Proposed locations of 3nr new *Sterculia lanceolata* were observed to be covered by the as-built viaduct, of which direct sunlight is not available.



Therefore, we proposed to omit the 3nr new trees planted underneath and replace with 6nr *Phoenix roebeni* at 3m spacing.



	CONTRACT NO. CV/2012/09 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3	TREE PLANTING PLAN - TAI WO SERVICE ROAD EAST (SHEET 15 OF 18)	SCALE	1:400 ON A3	DATE	17-DEC-19		
			CHECKED	TNTK	DRAWN	DY		
			JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1623	REV	F
			DOCUMENT REFERENCE NO.					
12/18/2019 plot by: daniel.yam Q:\STO_Group\TO-General\Contract 3\Site Sketch(C3)\SK1613-1631_tree\SK1623_F.dgn								



TREE PLANTING SCHEDULE FOR PLANTING AREA NEAR PIER AC10							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)			REMARK
					LCSD	TOTAL	
TREE PLANTING - NATIVE							
PPI	<i>Pongamia pinnata</i>	水黃皮	HEAVY STANDARD TREE	5000	9	9	-
SL	<i>Sterculia lanceolata</i>	假蘋婆	HEAVY STANDARD TREE	5000	4	4	-
PALM TREE							
CL	<i>Dypsis lutescens (Chrysalidocarpus lutescens)</i>	散尾葵	2500 X 1500	3000 / 5000	9	9	-
PR	<i>Phoenix roebelenii</i>	日本葵	SMALL PALM/ 1.5 TRUCK HEIGHT	3000	6	6	
				TOTAL	28	28	

SHRUB PLANTING SCHEDULE FOR PLANTING AREA NEAR PIER AC10							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	Area (m2)	Quantity (nr)	REMARK
ROADSIDE SHRUB PLANTING							
AOD	<i>Aglaia odorata</i>	米仔蘭	500(H) x 500(S)	500	60	277	
FMG	<i>Ficus microcarpa 'Golden Leaf'</i>	黃榕	500(H) x 500(S)	500	225	1,040	
HRS	<i>Hibiscus rosa-sinensis 'Orange'</i>	橙花扶桑	500(H) x 500(S)	500	187	864	
SUBTOTAL					472	2,181	

LIU Pui See, Carly

From: Yan YY HO <yayyho@lcsd.gov.hk>
Sent: Tuesday, 12 May, 2020 15:07
To: NGO Tsz Kei, Twiggy
Cc: Vicky SL WONG; Ken PK LAM; SM FUNG; Jos PL CHENG; Anthony KW WONG; KP WAH; Phoenix WY LO; Eddie KS CHAN
Subject: RE: LT/HYW BCP - C3: Tree and Palms Planting Proposal and Maintenance Access proposals for WSD watermains and utilities

Dear Twiggy,

I refer to the preceding email, please find our comments below:

From district management angle
We have no comment.

From tree management angle
We have no comment on the RtoC.

From landscape angle
We have no further comment on the RtoC.

Best regards,
Yan HO
SEA(P)23 /LCSD
Tel: 2601 7435

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "Yan YY HO" <yayyho@lcsd.gov.hk>, "Jos PL CHENG" <plicheng@lcsd.gov.hk>
Cc: "sc_chan@wsd.gov.hk" <sc_chan@wsd.gov.hk>, "Anthony KW WONG" <akwwong@lcsd.gov.hk>, "KP WAH" <kpwah@lcsd.gov.hk>, "SM FUNG" <smfung@lcsd.gov.hk>, "Elsa C TSENG" <ectseng@lcsd.gov.hk>, "Ken PK LAM" <kpklam@lcsd.gov.hk>, "Phoenix WY LO" <pwylol@lcsd.gov.hk>, "Eddie KS CHAN" <ekschan@lcsd.gov.hk>, "letpp3@landsd.gov.hk" <letpp3@landsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>
Date: 05/05/2020 16:37
Subject: RE: LT/HYW BCP - C3: Tree and Palms Planting Proposal and Maintenance Access proposals for WSD watermains and utilities

Dear Yan,
I refer to your email dated 14 February 2020, please find our response to your comments as follows:

Comments	Responses
<u>From Tree Management Angle:</u>	
1 Dwg CV/2012/09/R10/120/2239 Rev C: No comment on the understanding that the revised tree planting layout does not affect the landscape area to be maintained by LCSD.	Noted.
2 Dwg CV/2012/09/R10/120/2240 Rev A: Please advise the species of palm to be planted and the spacing of trees in the landscape area maintained by LCSD. As there is a footpath adjacent to the planting area, heavy withered frond may impose risk to pedestrians. Sufficient zone should be	Please be advised that <i>Phoenix roebelenii</i> 日本葵 were planted at the concerned location with spacing of 3m. Furthermore, a buffer distance of 1.5m was reserved in between the palm trees and the adjacent footpath.

	allowed between the palm and the footpath.	Please note that a pre-handover meeting had been conducted with NTETT/LCSD on 28 February 2020 and LCSD had raised no particular comment on the completed palm planting works at the said location.
3	Dwg CV/2012/09/R10/120/2241: No comment on the provision of maintenance path for WSD utilities. As there is a footpath adjacent to the planting area, heavy withered frond may impose risk to pedestrians. Please also allow sufficient zone between the palm and the footpath.	Noted. A buffer distance of 1.5m was reserved in between the palm trees and the adjacent footpath. Please note that a pre-handover meeting had been conducted with NTETT/LCSD on 28 February 2020 and LCSD had raised no particular comment on the completed palm planting works at the said location.
<u>From District Management Angle</u>		
4	The revised planting proposal is fine for us. No adverse comment please.	Noted.
<u>From Landscape Angle</u>		
5	Please register a nil return from Landscape Sub-section.	Noted.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

From: Yan YY HO [mailto:yayyho@lcsd.gov.hk]
Sent: Friday, 14 February, 2020 4:12 PM
To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>
Cc: SC CHAN <sc_chan@wsd.gov.hk>; Anthony KW WONG <akwwong@lcsd.gov.hk>; KP WAH <kpwah@lcsd.gov.hk>; SM FUNG <smfung@lcsd.gov.hk>; Jos PL CHENG <plicheng@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; Ken PK LAM <kpklam@lcsd.gov.hk>; Phoenix WY LO <pwylol@lcsd.gov.hk>; Eddie KS CHAN <ekschan@lcsd.gov.hk>; letpp3@landsd.gov.hk
Subject: RE: LT/HYW BCP - C3: Tree and Palms Planting Proposal and Maintenance Access proposals for WSD watermains and utilities

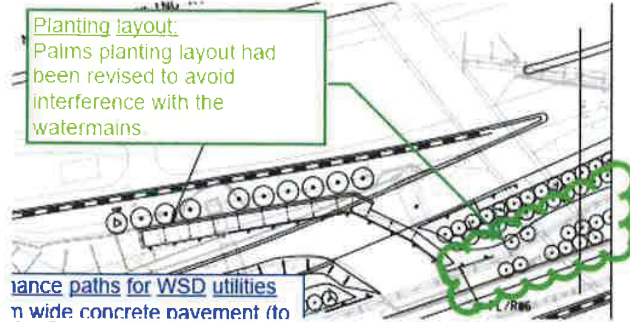
Dear Ms Twiggy,

I refer to the preceding email, please find our comments below:

From tree management angle

1. Dwg CV/2012/09/R10/120/2239 Rev C: No comment on the understanding that the revised tree planting layout does not affect the landscape area to be maintained by LCSD.

2. Dwg CV/2012/09/R10/120/2240 Rev A: Please advise the species of palm to be planted and the spacing of trees in the landscape area maintained by LCSD. As there is a footpath adjacent to the planting area, heavy withered frond may impose risk to pedestrians. Sufficient zone should be allowed between the palm and the footpath.



3. Dwg CV/2012/09/R10/120/2241: No comment on the provision of maintenance path for WSD utilities. As there is a footpath adjacent to the planting area, heavy withered frond may impose risk to pedestrians. Please also allow sufficient zone between the palm and the footpath.

From district management angle

The revised planting proposal is fine for us. No adverse comment please.

From landscape angle

Please register a nil return from Landscape Sub-section.

By copy to DLO, please note our comments above for your action as appropriate.

Best regards,
Yan HO
SEA(P)23 /LCSD
Tel: 2601 7435

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "sc_chan@wsd.gov.hk" <sc_chan@wsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "echochan@lcsd.gov.hk" <echochan@lcsd.gov.hk>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>, "Yan YY HO" <yayyho@lcsd.gov.hk>, "seap7@lcsd.gov.hk" <seap7@lcsd.gov.hk>
Date: 07/01/2020 14:14
Subject: RE: LT/HYW BCP - C3: Tree and Palms Planting Proposal and Maintenance Access proposals for WSD watermain and utilities

Dear Mr. Chan,

We just spoke. I refer to your email dated 18 December 2019 replying to my "Maintenance Access Proposal for WSD's Inspection Pits within LCSD's Planting Area".

In order to shorten the preparation time of materials, the contractor proposed to use U-Channel covers (600 x 390 x 50mm thk) on site for the construction of stepping stones along WSD chambers and inspection pits. The materials are generally in good condition. Please find in the attachments; the **approved** maintenance access layout plans in **Encl.A**, and the alternative proposal of stepping stone material in **Encl.B**, for your easy reference.

For further questions, please do not hesitate to contact me.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2251 0604

From: sc_chan@wsd.gov.hk [mailto:sc_chan@wsd.gov.hk]

Sent: Wednesday, 18 December, 2019 7:01 PM

To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>

Cc: LEUNG Siu Yin, Carol <carol.leung@lt-aecom.com>; che hong hui@wsd.gov.hk; chi kit wong@wsd.gov.hk; Eric CH CHAN <echochan@lcsd.gov.hk>; hn_wong@wsd.gov.hk; PAK Chau Kin, Patrick <patrick.pak@lt-aecom.com>; Yan YY HO <yayyho@lcsd.gov.hk>

Subject: RE: LT/HYW BCP - C3: Tree and Palms Planting Proposal and Maintenance Access proposals for WSD watermain and utilities

Dear Twiggy,

No comment please.

Regards,
Season Chan
E/NTE(HW1)
Water Supplies Department
Tel: 2152 5610

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "sc_chan@wsd.gov.hk" <sc_chan@wsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>, "hn_wong@wsd.gov.hk" <hn_wong@wsd.gov.hk>, "che hong hui@wsd.gov.hk" <che_hong_hui@wsd.gov.hk>, "chi kit wong@wsd.gov.hk" <chi_kit_wong@wsd.gov.hk>, Yan YY HO <yayyho@lcsd.gov.hk>, Eric CH CHAN <echochan@lcsd.gov.hk>
Date: 18-12-2019 15:17
Subject: RE: LT/HYW BCP - C3: Tree and Palms Planting Proposal and Maintenance Access proposals for WSD watermain and utilities

Dear Mr. Chan,

I tried to call you several times and was in vain. Due to the urgency of site works, I should be grateful if you can provide your confirmation to our proposal appended in the email below by COB today. Please feel free to contact me if you have any questions. Thanks a lot!

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works

AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

Correspondence 12
(Page 5 of 10)

From: NGO Tsz Kei, Twiggy

Sent: Friday, 13 December, 2019 4:25 PM

To: 'sc_chan@wsd.gov.hk' <sc_chan@wsd.gov.hk>

Cc: LEUNG Siu Yin, Carol <carol.leung@lt-aecom.com>; PAK Chau Kin, Patrick <patrick.pak@lt-aecom.com>; hn_wong@wsd.gov.hk; che hong hui@wsd.gov.hk; chi kit_wong@wsd.gov.hk; 'Yan YY HO' <yayyho@lcsd.gov.hk>; 'Eric CH CHAN' <echochan@lcsd.gov.hk>

Subject: RE: LT/HYW BCP - C3: Tree and Palms Planting Proposal and Maintenance Access proposals for WSD watermains and utilities

Dear Mr. Chan (WSD),

Further to our joint site inspection dated 31 October 2019 among WSD, LandsD and AECOM, it is noted that WSD did not recommend the planting of trees with aggressive roots within the 500mm buffer zone measured from the edge of watermains on both sides.

In view of your recommendation, we have reviewed the planting plans and addressed your comment in the attached proposal titled "Tree/Palms Planting Proposal for Areas in proximity to the Water mains" (see **Encl.A**). Total numbers of trees and palm involved in this proposal is **44nr**, including **16nr** trees and **28nr** palms; of which, **7nr** trees and **28nr** palms are already planted on site. Details of the revised tree treatments are elaborated as follow:

1) **Removal of As-planted Trees and Palms**

7nr as-planted trees and **26nr** as-planted palms will be removed. Please see **page 2 - 4** of **Encl.A** for details

2) **Omission of Proposed Trees which are Yet to be Planted**

9nr trees to be omitted since they are not planted. Please see **page 2 and 3** of **Encl.A** for details

3) **Relocation of As-planted Palms**

2nr as-planted palms will be relocated. Please see **page 4** of **Encl.A** for details.

4) **As-planted Palms to be Retained as No Interference was noticed from Site Measurement**

18nr as-planted palms are found no conflict with the buffer zone of DN2200 water main, no revised tree treatment is required. We will hand over the planting to LCSD for their future maintenance. Please see **page 4** of **Encl.A** for details

On the other hand, we note WSD requested hard-paved maintenance accesses for future inspection of WSD pits and sharfs. We will provide concrete pavement at locations where it is technical feasible. However, please note that concrete pavement within LCSD planting area is considered not feasible, we hereby propose to provide stepping stones around these WSD pits to serve as maintenance accesses. Please find our "Maintenance Access Proposal for WSD Inspection Pits" as attached in "EnclB_general plan", "EnclC_SK1165" and "EnclD_SK2304" for your confirmation.

We would be grateful to receive your confirmations to the above proposals by **18 December 2019**.

By copy to **Ms. Yan Ho and Mr. Eric Chan of LCSD/TP**, please note that maintenance accesses (stepping stones) as required by WSD will be laid within your planting areas, and WSD will take up the maintenance of these stepping stones. Please advise if you have any comment.

Regards,

Twiggy Ngo

Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

Correspondence 12
(Page 6 of 10)

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This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

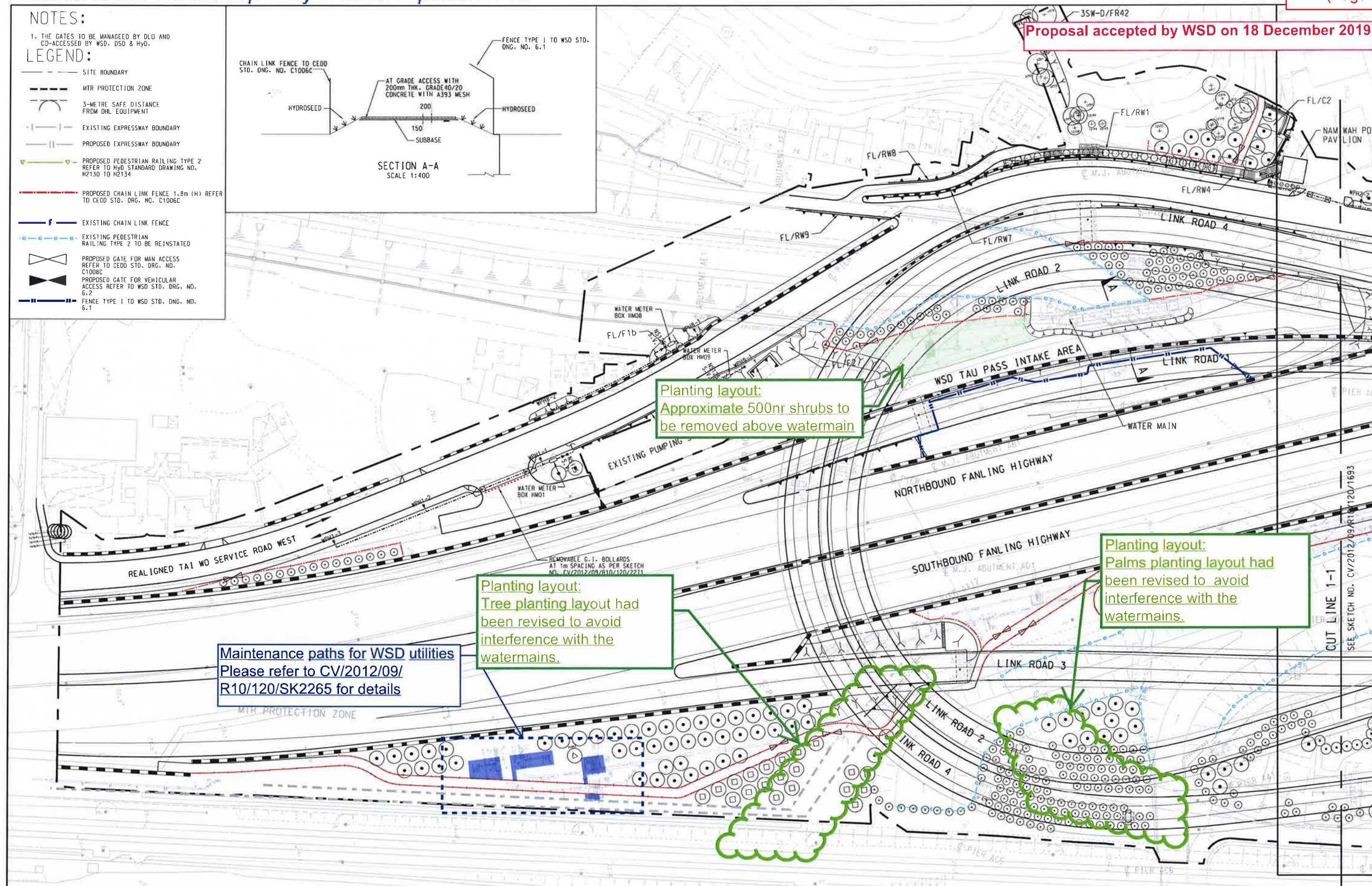
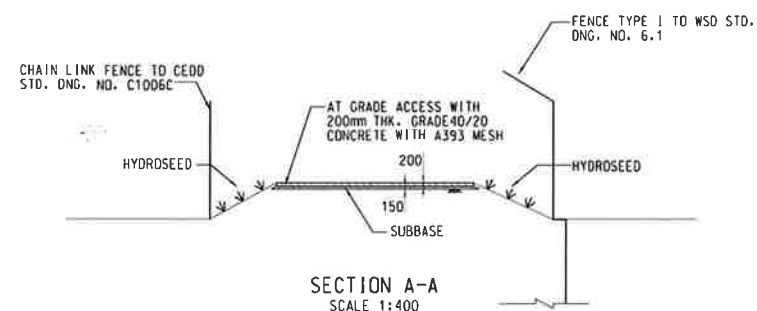
Maintenance Access Proposal for WSD Inspection Pits

NOTES:

1. THE GATES TO BE MANAGED BY DLO AND
CO-ACCESSED BY WSD, DSD & HYD.

LEGEND:

- SITE BOUNDARY
- MTR PROTECTION ZONE
- 3-METRE SAFE DISTANCE FROM DHL EQUIPMENT
- EXISTING EXPRESSWAY BOUNDARY
- PROPOSED EXPRESSWAY BOUNDARY
- PROPOSED PEDESTRIAN RAILING TYPE 2 REFER TO HYD STANDARD DRAWING NO. H2130 TO H2134
- PROPOSED CHAIN LINK FENCE 1.8m (H) REFER TO CEDD STD. DRG. NO. C1006C
- EXISTING CHAIN LINK FENCE
- EXISTING PEDESTRIAN RAILING TYPE 2 TO BE REINSTATED
- PROPOSED GATE FOR MAN ACCESS REFER TO CEDD STD. DRG. NO. C1008C
- PROPOSED GATE FOR VEHICULAR ACCESS REFER TO WSD STD. DRG. NO. 6.2
- FENCE TYPE 1 TO WSD STD. DRG. NO. 6.1



AECOM

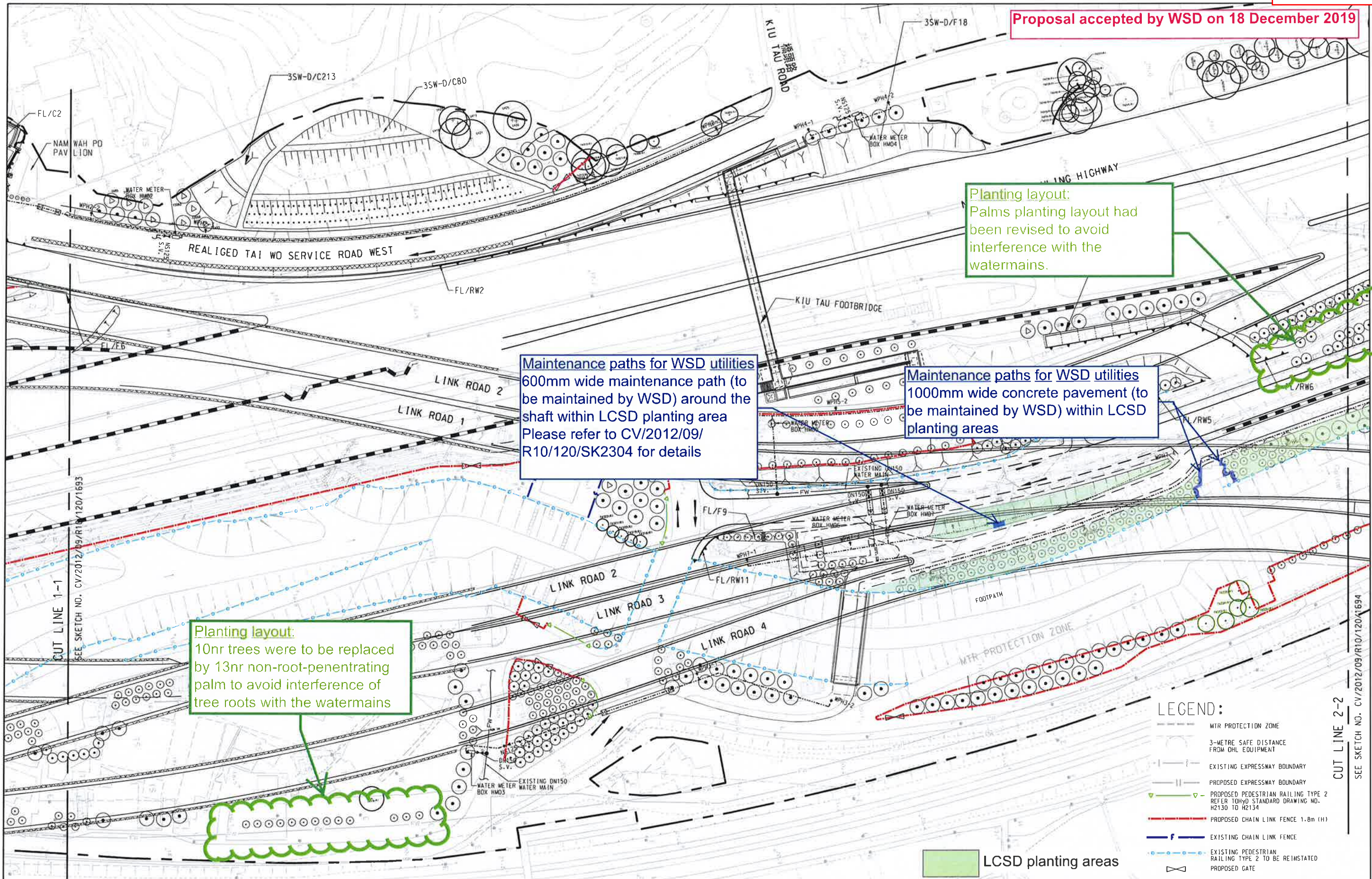
CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

CHAINLINK FENCE LAYOUT FOR UNALLOCATED AND UNLEASED GOVERNMENT LANDS (UUGLs)

(SHEET 1 OF 3)

SCALE	1:1000 ON A3	DATE	13-DEC-19
CHECKED	TNTK	DRAWN	DY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2239
DOCUMENT REFERENCE NO.		REV	C

Proposal accepted by WSD on 18 December 2019



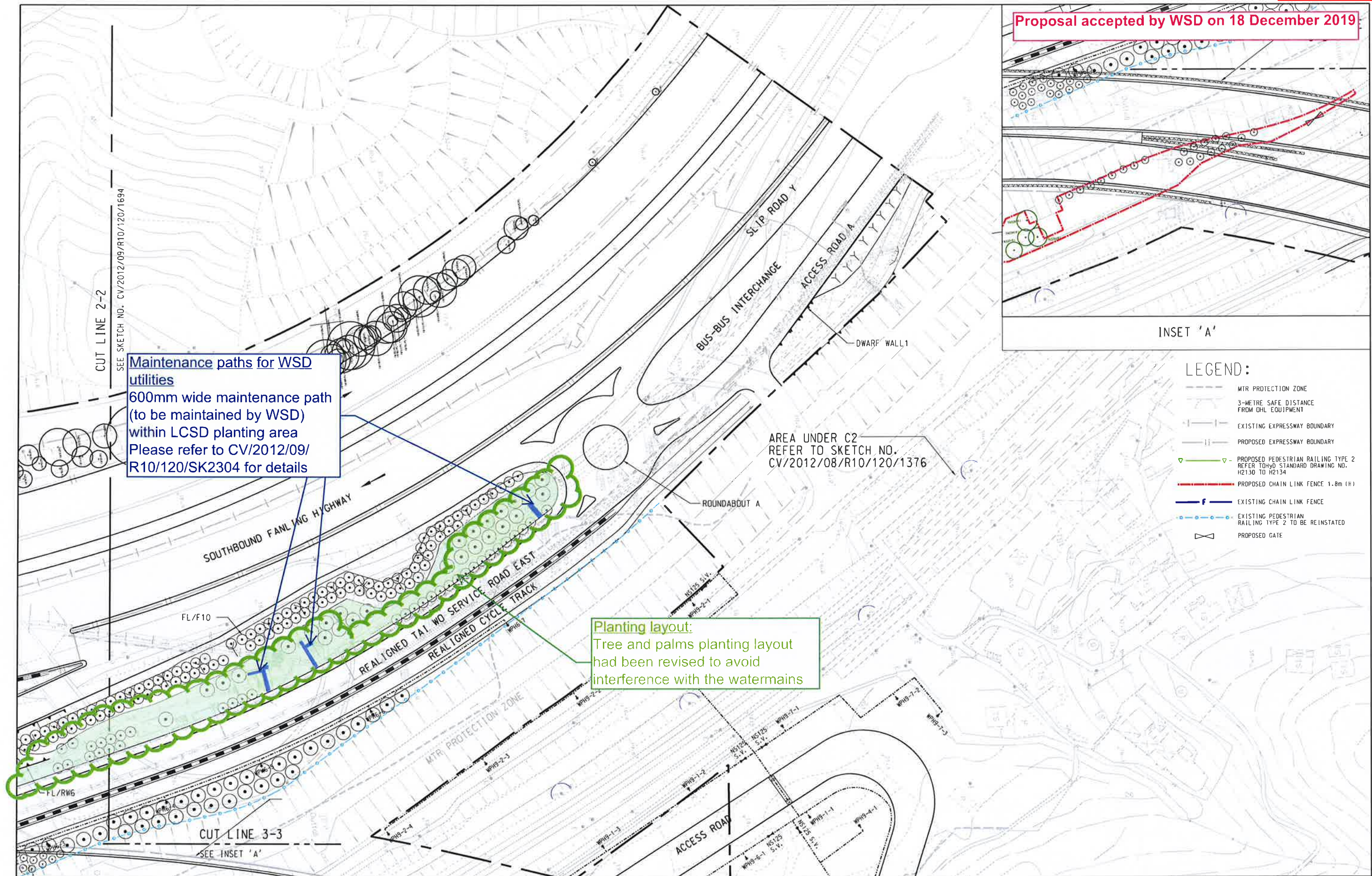
AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

CHAINLINK FENCE LAYOUT FOR UNALLOCATED AND UNLEASED GOVERNMENT LANDS (UUGLs)

(SHEET 2 OF 3)

SCALE	1:1000 ON A3	DATE	05-NOV-19
CHECKED	TNTK	DRAWN	DY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2240
DOCUMENT REFERENCE NO.		REV	A

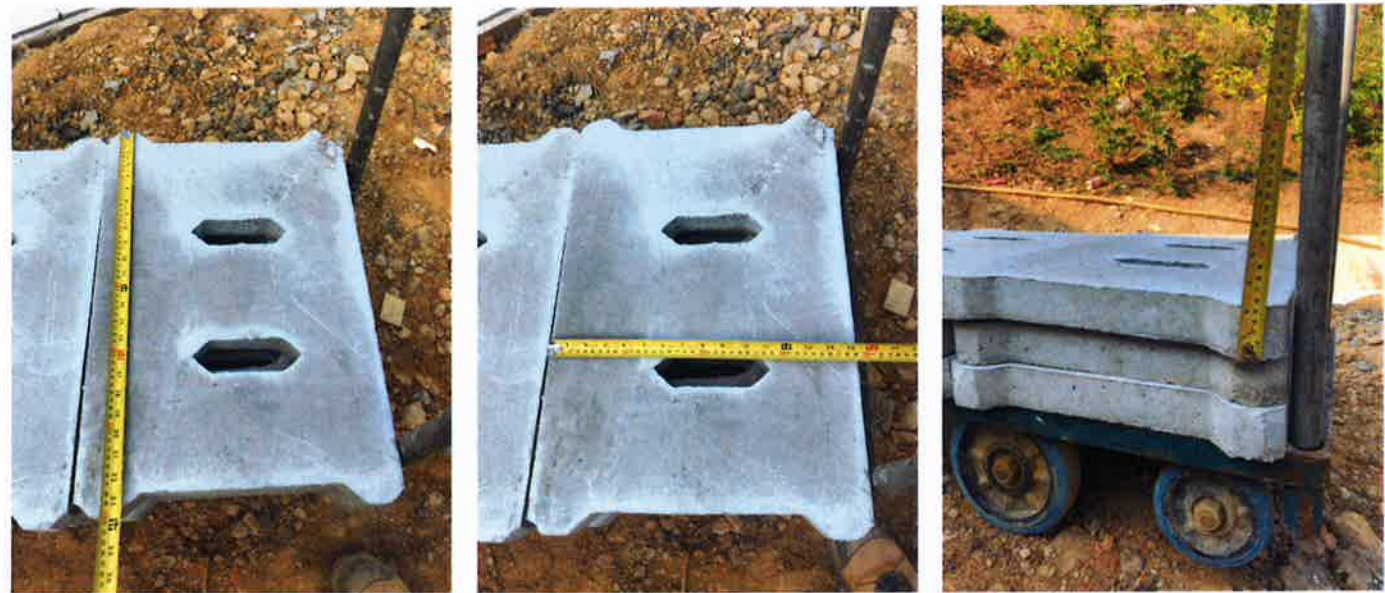
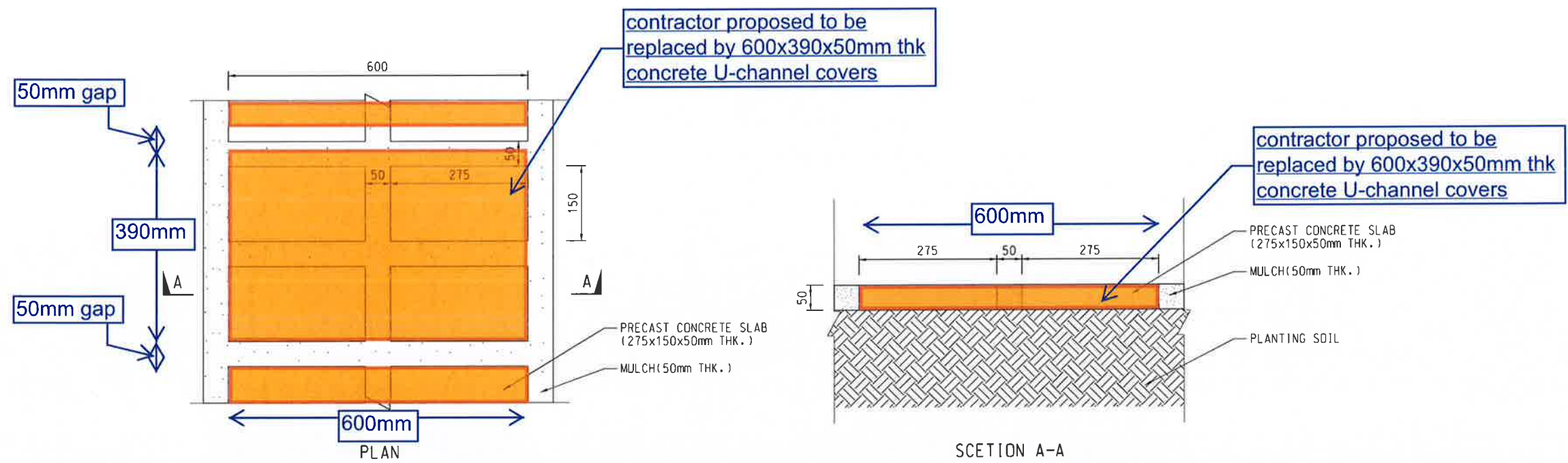


AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

CHAINLINK FENCE LAYOUT FOR UNALLOCATED
AND UNLEASED GOVERNMENT LANDS (UUGLs)
(SHEET 3 OF 3)

SCALE	1:1000 ON A3	DATE	29-AUG-19
CHECKED	TNTK	DRAWN	DY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2241
DOCUMENT REFERENCE NO.		REV	-



REFERENCE IMAGES

Urgent by Fax by Hand

MEMO

From	CLA /Landscape Division, HyD	To	NDO, CEDD
Ref.	(64KE) in HyD LSC/14-7/10/2	(Attn. :)	Mr. LEONG Yee Bong, Raymond
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	15 January 2019	Total Pages	1 + Encl.
		ERKS No.	
		File No.	

Agreement No. CE 38/2010 (CE)

Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and ConstructionContract No. CV/2012/08 Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 22nd Responses to Comments on Revised Landscape Softwork Proposal and Revised
Landscape Treatment for New Slope Feature Nos. LSTNP/C1, STK/C1 and STK/C2

I refer to the submission under the Consultant – AECOM Asia Co. Ltd.'s letter ref. (CV/2012/08)/C55/700/(F22297) dated 24.12.2018 (received on 2.1.2019).

2. Noting that the Consultant would review the maintenance responsibility of the proposed vegetation in the toe wall planters at the lowest batter along slope nos. STK/C1 and STK/C2 upon clarification of the expressway boundaries issue separately, I reserve my further comment on the captioned submission from the highways landscape and vegetation maintenance point of view until the maintenance responsibility issue has been resolved.

3. I also have no comment on the colour and finishing of the submitted sample of the proposed granite stone to be applied on berm planter from the highways landscape aesthetic point of view. Photos of the sample is enclosed for all's record (see Annex 1).

1	2	3	4	5
6	7	8	9	10

(CHAN Tai-fung Sandy)
for Chief Landscape Architect
Landscape Division, Highways Department

Encl. – Photos of the sample.

cc NT Region, HyD (Attn.: Mr. Bryan CHONG)
AECOM (Attn.: Mr. Alan HO)

Fax: 2714 5228 (w/e)
Fax: 3922 9797 (w/o)

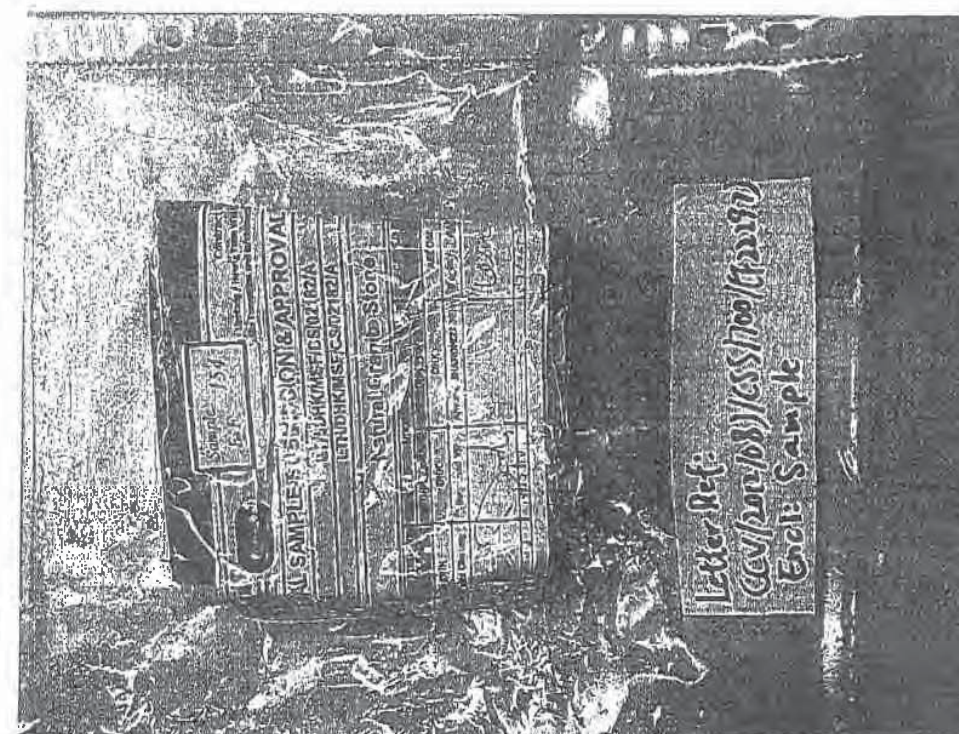
Internal

SLA/VM(NT) SLA/VM(S) LA/VM(HSR) LA/VM(NTE) to note via EDMS

YTC/SC/sc

✓

Annex 1



Urgent by Fax

Correspondence 14
(Page 1 of 1)

MEMO

From	CLA /Landscape Division, HyD	To	NDO, CEDD
Ref. (6D5P)	In HyD LSC/14-7/10/2	(Attn. :)	Mr. Raymond Y.B. LEONG /Mr. P.Y. LU
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email.	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	25 July 2019	Total Pages	1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction


Contract No. CV/2012/08 Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 2

Revised Landscape Softwork Proposal

I refer to the submission under the Consultant – AECOM Asia Co. Ltd.'s letter ref. (CV/2012/08)/C55/700/(F23772) dated 27.6.2019 (received on 5.7.2019) enclosed with the captioned drawings and a responses-to-comments (R-to-C).

2. Please note that I have no further comment on the R-to-C from the highways landscape point of view.

3. Regarding the toe wall planters of slope features LSTSP/C1, LSTNP/C1, STK/C1, and STK/C2, please observe my comments given in memo ref. (6C97) in HyD LSC/14-7/10/2 dated 17.7.2019 addressed to your office, in response to the Consultant's letter ref. (CV/2013/08)/C55/200/(H10012) dated 24.6.2019 titled "Proposed Maintenance Responsibility of Soft Landscape Works at the Lowest Batter of Berm Planters at 10m Slope Features LSTSP/C1, LSTNP/C1, STK/C1, STK/C2, CSTSP/C1, CSTNP/C1, WKS/C1, WKS/C2, WKS/C3 and WKS/C5".


(CHAN Tai-fung Sandy)
for Chief Landscape Architect
Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG Fax: 2714 5228
AECOM Attn.: Mr. Alan HO Fax: 2171 3498

Internal
SLA/VM(NT) SLA/VM(S) LA/VM(HSR) LA/VM(NTE) via EDMS

YTC/SC/sc


Urgent by Fax

Correspondence 15
(Page 1 of 1)

MEMO


From	CLA /Landscape Division, HyD	To	NDO, CEDD
Ref. (6PLT)	In HyD LSC/14-7/10/2	(Attn. :)	Mr. Ricky LAM / Mr. P. Y. LU
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email.	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	16 April 2020	Total Pages	1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction

Contract No. CV/2012/08 Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 2

Revised Landscape Softwork Proposal – Weeping Plants on the Toe Planter Wall at Berm Planters

I refer to the submission under the Consultant – AECOM Asia Co. Ltd.'s letter ref. (CV/2012/08)/C55/700/(F25040) dated 27.3.2020 (received on 30.3.2020). Please note that I have no comment from the highways landscape and vegetation maintenance point of view.


(CHAN Tai-fung Sandy)
for Chief Landscape Architect
Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG Fax: 2714 5228
AECOM Attn.: Mr. Alan HO Fax: 2171 3498

Internal
SLA/VM(S) LA/VM(NTE) ALO/VM(NTE) via EDMS

KS/SC/sc


Urgent by Fax

Correspondence 16
(Page 1 of 1)

MEMO

From	CLA /Landscape Division, HyD	To	NDO, CEDD
Ref.	(6PLM) in HyD LSC/14-7/10/2	(Attn. :)	Mr. Ricky LAM / Mr. P. Y. LU
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email.	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	16 April 2020	Total Pages	1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction

Contract No. CV/2012/08 Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 2

Revised Landscape Softwork Proposal At Lung Shan Tunnel South Portal Slope
Features No. LSTSP/F2 and Portion of LSTSP/C1

I refer to the submission under the Consultant – AECOM Asia Co. Ltd.'s letter ref. (CV/2012/08)/C55/700/(F24987) dated 11.3.2020 (received on 16.3.2020). Please note that I have no comment from the highways landscape and vegetation maintenance point of view.



(CHAN Tai-fung Sandy)
for Chief Landscape Architect
Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG Fax: 2714 5228
AECOM Attn.: Mr. C. T. Wong Fax: 2171 3498

Internal
SLA/VM(S) LA/VM(NTE) ALO/VM(NTE) via EDMS

KS/SC/sc

Urgent by Fax

Correspondence 17
(Page 1 of 1)

MEMO

From	CLA /Landscape Division, HyD	To	NDO, CEDD
Ref.	(6PY2) in HyD LSC/14-7/10/2	(Attn. :)	Mr. Ricky LAM / Mr. P. Y. LU
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email.	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	27 April 2020	Total Pages	1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction

Contract No. CV/2012/08 Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 2

Revised Landscape Softwork Proposal – Alternative Species for Woodland Mix and
Shrub Mix Planting

I refer to the submission under the Consultant – AECOM Asia Co. Ltd.'s letter ref. (CV/2012/08)/C55/700/(F25084) dated 21.4.2020 (received on 23.4.2020). Please note that I have no comment from the highways landscape and vegetation maintenance point of view.

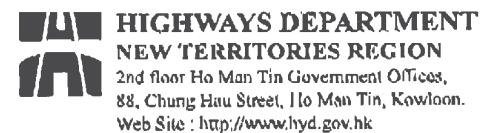


(CHAN Tai-fung Sandy)
for Chief Landscape Architect
Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG Fax: 2714 5228
AECOM Attn.: Mr. C. T. Wong Fax: 2171 3498

Internal
SLA/VM(S) LA/VM(NTE) ALO/VM(NTE) via EDMS

KS/SC/sc

By Fax
2171 3498

路政署
新界區
九龍何文田忠孝街88號
何文田政府合署二樓
網址: http://www.hyd.gov.hk

[117VM]

本署編號 Our Ref.: (119WC) in HyD NT/12-2/1/17-CB
來函編號 Your Ref.: (CV/2012/08)/CS5/700/(F18386)
電話 Tel. No.: 2762 3528
圖文傳真 Fax No.: 2714 5228

24 January 2018

AECOM Asia Co. Ltd.
8/F, Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, Hong Kong
(Attn.: Mr. Alan HO)

Dear Sirs,

Contract No. CV/2012/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 2

Soft Landscape Works Proposal for Mid-Ventilation Building, South Portal and North Portal
of Lung Shan Tunnel, Princess Hill and Administration Building to be Handed Over to ASD,
AFCD, LandsD, LCSD and HyD for Future Maintenance – Response to Comments

I refer to your above-quoted letter of 4.1.2017 (received by us on 18.9.2017) responding to our previous comments.

Please find in below our further comments on your response:-

- (a) As discussed in the meeting jointly attended by this Office, your office and various parties on 5.9.2017, HyD/NT had stated clearly that the maintenance responsibility for landscape works and irrigation system of ventilation buildings and adjacent mid-ventilation building was outside the ambit of HyD. While your office was liaising with HyD/LU for the maintenance of the concerned landscape works, no agreement has been reached as of the date of this letter. However, the drawings enclosed in your letter are showing that the aforementioned landscape works will be maintained by HyD. You are requested to update the drawings on the fact that no agreement on the maintenance responsibility has been reached.

/...2

Lettprch(Nov-04)NT



-2-

- (b) With reference to my earlier letter of (112NR) in HyD NT/12-2/1/17-CB, we are not in position to accept the flexible barrier systems from maintenance perspective. Please update the drawings accordingly.

Yours faithfully,

(BRYAN Y F CHONG)
for Chief Highway Engineer/NT West
Highways Department

c.c.
CE/BCP, CEDD (Attn. Mr. Raymond LEONG)
LU, HyD (Attn. Mr. David YUEN)
AECOM (Attn. Mr. Francis LEONG)

Fax No. 3547 1659
Fax No. 3903 6655
Fax No. 3922 9797

Internal SE/CB1

HIGHWAYS DEPARTMENT
NEW TERRITORIES REGION
 Units 1708 - 13, The Harbourfront Tower 1,
 18 - 22 Tak Fung Street, Hung Hom, Kowloon, Hong Kong
 Web Site: <http://www.hyd.gov.hk>

By Fax
 2171 3498

Correspondence 19
 (Page 1 of 1)
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 海濱廣場一座 17 樓 1708 - 13 室
 網址: <http://www.hyd.gov.hk>

[13JC8]

本署檔號 Our Ref.: (13M8P) in HyD NT/12-2/1/17-CB.
 來函檔號 Your Ref.: (CV/2012/08)/C55/700/(F22605).
 電話 Tel. No.: 3526 0053
 圖文傳真 Fax No.: 3526 0154

22 February 2019

AECOM
 8/F, Grand Central Plaza, Tower 2,
 138 Shatin Rural Committee Road,
 Shatin, N.T., Hong Kong.
 (Attn.: Mr. Alan HO)

Dear Sirs,

Contract No. CV/2012/08
 Liantang/ Heung Yuen Wai Boundary Control Point
 Site Formation and Infrastructure Works - Contract 2

2nd Responses to Comments on Revised Landscape Softwork Proposal and Revised Landscape Treatment for New Slope Feature Nos. LSTNP/C1, STK/C1 and STK/C2

I refer to above-quoted letter of 28.1.2019 (received by us on 1.2.2019) enclosing the captioned.

I have no objections to the proposed granite stone applied on berm planter.

Yours faithfully,

(BRYAN Y F CHONG)
 for Principle Project Coordinator / Cross Boundary
 Highways Department

c.c.
 CE/N1/NDO, CEDD
 AECOM

(Attn.: Mr. Raymond LEONG)
 (Attn.: Mr. Francis LEONG)

Fax No. 3547 1659
 Fax No. 3922 9797

Lantpoh(Nov-04)NT



HIGHWAYS DEPARTMENT
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Correspondence 20
 (Page 1 of 1)
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 海濱廣場一座 17 樓 1708 - 13 室
 網址: <http://www.hyd.gov.hk>

[15UNH]

本署檔號 Our Ref.: (1633R) in HyD NT/12-2/1/17-CB.
 來函檔號 Your Ref.: (CV/2012/08)/C55/700/(F24987).
 電話 Tel. No.: 3526 0053
 圖文傳真 Fax No.: 3526 0154

7 May 2020

AECOM
 8/F, Grand Central Plaza, Tower 2,
 138 Shatin Rural Committee Road,
 Shatin, N.T., Hong Kong.
 (Attn.: Mr. Alan HO)

Dear Sirs,

Contract No. CV/2012/08
 Liantang/ Heung Yuen Wai Boundary Control Point
 Site Formation and Infrastructure Works - Contract 2

Revised Landscape Softwork Proposal at Lung Shan Tunnel South Portal Slope Features No. LSTSP/F2 and Portion of LSTSP/C1

I refer to above-quoted letter of 11.3.2020 (received by us on 16.3.2020) enclosing the captioned.

In view of serious soil erosion identified, wire mesh should also be applied to further mitigate the slope surface erosion.

Yours faithfully,

(BRYAN Y F CHONG)
 for Chief Highway Engineer / SS (NT)
 Highways Department

c.c.
 CE/N(SD1)/NDO, CEDD
 AECOM
 CLA/LD, HyD

(Attn.: Mr. P. Y. LU)
 (Attn.: Mr. Francis LEONG)
 (Attn.: Ms. Sandy CHAN)

Fax No. 3547 1659
 Fax No. 3922 9797
 Fax No. 2310 8438

Lantpoh(Nov-04)NT



08/05/2020 10:39

No.: R747 L1

P.001/001

LAM Wing Ki, Vicky

From: WONG Tin Lok, Clement
Sent: Monday, November 19, 2018 5:28 PM
To: LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; CHAN Mei Yee, Jean; SZE Siu Ching, Sandy; TAM Tsz Him, Ray
Subject: FW: 轉寄: RE: C2 and C6 Additional landscaped area proposed to be maintained by LCSD
Attachments: doc04575420181018115009.pdf; General Requirements (as at 5.2018)_clean mode.pdf; Planting Bed B & C.jpg; Photos of Tai Tau Leng Roundabout.pdf; Planting Bed E.jpg

Dear all,

Please find LCSD's comments below for your consideration.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Ray YW CHENG [mailto:rywcheng@lcsd.gov.hk]
Sent: Monday, November 19, 2018 2:40 PM
To: WONG Tin Lok, Clement
Cc: CH YIP; Kay HK TSANG; KC CHAN; CL LIN
Subject: RE: 轉寄: RE: C2 and C6 Additional landscaped area proposed to be maintained by LCSD

Dear Angel,

Refer to the attached memo dated 26 September 2018 and the further information from AECOM dated 9 October 2018,

Our comment are provided at below :

1. The project proponent should compliance with the "General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance" for the additional roadside planters.
- 2.
2. According to the above requirements, proper irrigation systems and lockable water points should be provided. Project proponent should identify a maintenance agent for irrigation systems, otherwise, LCSD would not take up the maintenance of the irrigation system for the above items.

3. Proper maintenance access/ loading bay/ safety zone should be provided at appropriate locations for the maintenance staff and/ or vehicles as far as practicable. Please provide further details of those items.
4. Written consent from FEHD for cleansing and littering picking services where appropriate within the landscape area should be obtained.
5. For the additional roadside landscaped area in C2 and C6 proposed to be handed over to LCSD for future maintenance, sufficient additional recurrent cost including the following items to be agreed by LCSD must be provided. The RC should be bid and provided by project proponent.
 - Horticultural maintenance for shrubs and trees
 - Plant replacement cost & corresponding labour cost
 - Maintenance cost for irrigation points
 - Staff Cost
 - Road closure for horticultural maintenance (as appropriate)
6. LCSD reserved the right to provide further comment on the proposed items subject to further information and design drawings by the project proponent.

Planting bed A, F & G

- We have in principal no objection to take up the horticultural maintenance provided that the project proponent could fulfil the requirement in above items 1 to 6.
- For the tree matter, please seek advice from RTT(NTN).

Planting bed B and C

- As the headroom is only 4.8m with no natural sunlight, planting underneath the flyover is not recommended. We have in principal no objection to take up the planting for approximate 1m width at the edge underneath the flyover where natural sunlight could be reached and for planting at the open space, in condition that the project proponent could fulfil the requirement in above items 1 to 6.

Planting bed D

- As the headroom is only 6.8m with no natural sunlight at the central of roundabout, planting underneath the flyover is not recommended. It is suggested to be replaced by pebble or hard paved at the central of roundabout, including the proposed location of planting *Caryota ochlandra* 魚尾葵 and *Dypsis lutescens* 散尾葵, to avoid creating maintenance problem in the future. However, we have in principal no objection to take up the planting at the open space of the roundabout with natural light provided that the project proponent could fulfil the requirement in above items 1 to 6. It is suggested to hard paved the edge of roundabout for 1m width as the access road for maintenance of the vegetation and avoid the vegetation to block the eyesight of the traffic condition around the roundabout. The photos of Tai Tau Leng Roundabout is enclosed for easy reference.

- For *Nephrolepis auriculata* 腎蕨, it is recommended to be replaced by *Excoecaria cochinchinensis* 紅背桂.
- For the tree matter, please seek advice from RTT(NTN).

Planting bed E

- As no planting is provided under the flyover, it is suggested that to re-assign the area under flyover to others department. We have in principal no objection to take up the remain planting bed where natural sunlight could be

reached and for planting at the open space, in condition that the project proponent could fulfil the requirements above items 1 to 6.

- For the tree matter, please seek advice from RTT(NTN).
-

Ray CHENG
ADLM(N)3
Tel: 2679 2823

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: Kay HK TSANG <khktsang@lcsd.gov.hk>
Cc: Ray YW CHENG <rywcheng@lcsd.gov.hk>, KC CHAN <kcchan@lcsd.gov.hk>, CH YIP <chyip@lcsd.gov.hk>, "eap3@lcsd.gov.hk" <eap3@lcsd.gov.hk>, "CH YIP (chyip@lcsd.gov.hk)" <chyip@lcsd.gov.hk>, "asung@lcsd.gov.hk" <asung@lcsd.gov.hk>, "WONG Wai Shing, Benny" <benny.wong@lt-aecom.com>, "LAM Wing Ki, Vicky" <vicky.lam@lt-aecom.com>, "CHAN Mei Yee, Jean" <jean.chan@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "Lam Shu, Albert" <albertlam@cedd.gov.hk>, Angel LAU <angellau@lcsd.gov.hk>, "Lo Chi Fai, Steve" <stevelo@cedd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>
Date: 09/10/2018 15:51
Subject: RE: 轉寄: RE: C2 and C6 Additional landscaped area proposed to be maintained by LCSD

Dear Kay,

Referring to your email below, I attach herewith the required photos showing the shading condition and headroom details for your consideration.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Kay HK TSANG [mailto:khktsang@lcsd.gov.hk]
Sent: Thursday, October 04, 2018 6:52 PM
To: LEUNG Siu Yin, Carol
Cc: Ray YW CHENG; KC CHAN; CH YIP; WONG Tin Lok, Clement; 'eap3@lcsd.gov.hk'; CH YIP (chyip@lcsd.gov.hk); 'asung@lcsd.gov.hk'; WONG Wai Shing, Benny; LAM Wing Ki, Vicky; CHAN Mei Yee, Jean; TAM Tsz Him, Ray; SZE Siu Ching, Sandy; Lam Shu, Albert; Angel LAU; Lo Chi Fai, Steve
Subject: Fw: 轉寄: RE: C2 and C6 Additional landscaped area proposed to be maintained by LCSD

Dear Carol,

As discussed at the joint-site meeting on 24 September 2018, I should be grateful if you could provide the photos showing the shading condition of the landscaped area proposed maintained by LCSD under the sunny day and the headroom of the bridge for our further action, please.

MEMO

From	CEO(P)2	To	Distribution
Ref.	() In LCS 1/HQ 715/11 (3) X	(Attn:)
Tel. No.	2601 8681	Your Ref.	() In
Fax. No.	2695 3886	dated	
Email address	angellau@lcsd.gov.hk	Fax. No.	
Date	26 September 2018	Total Pages	1 +encl.

Contract No. CV/2013/08 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works – Contract 6

Additional Landscape Area Proposed to be Maintained by LCSD for Contract 6

I forward the letter from AECOM dated 4.9.2018 (Ref.: (CV/2013/08)/C55/200/(H08244) and Appendix A for your comment. Grateful for your comment before **10.10.2018**, please.


(Miss Angel LAU)
for CEO(P)2

Encl.
DDL(M)2
LM(T)NTNI



General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance

1. Background

This paper sets out the general standards and maintenance requirements for landscape works to be handed over to Leisure and Cultural Services Department (LCSD) for horticultural maintenance in accordance with Development Bureau (DEVB) Technical Circular (Works) No. 6/2015. Works departments or project proponents with landscape projects in hand could make reference to this general standards and maintenance requirements before submitting their design for LCSD's comments. This revised version should take immediate effect and supersede the previous version issued in May 2015. For projects with planting design being commented by LCSD, the revised version should be observed as far as practicable.

2. Planting Design

- (i) To achieve a coherent landscape design, reference should be made to existing site context including physical, environmental, social and cultural considerations, and relationships with adjacent land uses and building structures. The objective is to bring out and amplify the character of the place, and help the community to foster a sense of belonging and attachment to their neighbourhood. Design flexibility could be allowed for justified special/thematic planting design.
- (ii) To adopt a holistic approach in providing sustainable urban landscapes by the "Right Plant, Right Place" principle, the plants selected should be adaptive to the environment and easily recoverable to climate change.
- (iii) To encourage the use of appropriate native plant species that can blend in both ecologically and aesthetically with the surrounding environment. Diversify complementary species mix should be adopted to enrich vegetation diversity.
- (iv) Plants with conspicuous flowers and/or seasonal changes in foliage colour are preferred in the design to create good colour impact and seasonal interest.
- (v) Design consideration should be given to select canopy trees along

paths to give ample shade and comfortable environment for pedestrians. For planting density, relevant planting practices and guidelines issued by DEVB should be observed.

- (vi) Trees selected should be healthy and well-structured, preferably standard to heavy standard. Woodland mix is not recommended along carriageways. Works departments should note the guidelines as stated in DEVB Technical Circular (Works) No. 7/2015 and related documents on tree preservation and transplanting.
- (vii) If trees to be planted are of expensive/rare species, especially those from overseas, LCSD should be notified well in advance and provided with sufficient information on their growing habit to ensure their suitability and sustainability for planting in the local environment.
- (viii) For sustaining the healthy growth of trees, planting areas should be free from underground utilities as far as practicable. Pavement trees should be set back from road kerb or any structure to allow sufficient space for mature crown spread, whereas tree species with buttress/aggressive roots system should be avoided. Prevailing planting practices and guidelines issued by DEVB should also be observed. For trees with branches protruding to pedestrian walkway and cycle track, a minimum of 2.2m clearance between the ground and the lowest branches should be maintained at the initial planting stage.
- (ix) Bushy and well-developed shrubs of good quality should be adopted for beautification purpose and to minimise weed development at the planter.
- (x) If creepers/climbers are to be planted on planter under supporting columns of bridges, or retaining walls to screen and soften the hard structures, agreement from the maintenance department of the column or retaining wall should also be sought.

3. Ancillary Facilities

- (i) Proper automatic irrigation systems and lockable water points should be provided as far as practicable. The covers of water meters and associated water points should be labeled/numbered for easy identification in future maintenance. Project proponent

should identify a maintenance agent for irrigation systems¹. Design of irrigation systems and plumbing diagrams should be forwarded to LCSD and the maintenance agent for comment and agreement prior to implementation.

- (ii) Proper maintenance access/loading bay/safety zone should be provided at appropriate locations for the maintenance staff and/or vehicles as far as practicable. If trees, including palm, with canopies that may eventually exceed 5.5m above ground level are proposed for planting, works department should ensure the availability of daytime accessibility of hydraulic platform for regular inspection/maintenance, or prior agreement from LCSD should be sought.
- (iii) Planter beds should preferably be continuous and open-bottom. The minimum internal width should be 1 500mm for trees, 600mm for shrubs and ground covers. They should be provided with good drainage and a minimum soil depth of 1 200mm in open ground. For closed-bottom planters, the soil depth should be at least 1 500mm for trees; for shrubs and ground covers, the soil depth should be at least 600mm and 300mm respectively².
- (iv) Quality soil without compaction and free from construction debris or toxic substances should be used. Gravels greater than 25mm in diameter should be removed.
- (v) Appropriate mulching to a depth of around 50mm should be provided to planting areas where practicable. All mulching materials should come from a sanitised source.
- (vi) Planter beds should preferably be under direct sunlight.
- (vii) If planters cannot be provided along a path or a hard-paved open area, tree pits of at least 1m (length) x 1m (width) x 1.2m (depth) at suitable locations may be considered.
- (viii) Continuous physical demarcations such as kerbs, surface channels,

¹ LCSD would not take up the maintenance of the irrigation system for new projects if the project proponent could not identify a maintenance agent for the system.

² For planting works associated with minor road improvement and or with site constraints, a flexible approach could be adopted when imposing the requirements of minimum planting width and depth on a case-by-case basis.

planter walls or footpath should be provided to delineate the boundaries of the planting beds.

- (ix) A small upstand or kerb alongside the drainage channels should be provided to earth mounds to prevent soil and mulch from washing into the drainage channels.
- (x) Temporary protective fencing may be considered where appropriate for ensuring good establishment at the initial planting stage.

4. Specific Requirements for Greening on Footbridges and Flyovers

- (i) Sustainable design with provisions of continuous planter of adequate volume for healthy plant growth is preferred. Appropriate drainage system is required to prevent water logging.
- (ii) The internal width should be at least 500mm while depth (excluding drainage layer) of the planter should be at least 500mm and 300mm for shrubs and groundcovers respectively. Flexibility should be allowed for modification depending on the nature of the selected species.
- (iii) Provision of drought tolerant and low maintenance plant species should be considered.
- (iv) Supply of water for irrigation to the planter on footbridges and flyovers should be considered in the planning stage. Highways Department would continue to be the works agent for maintenance of irrigation systems on future footbridges and flyovers.
- (v) Protective barriers that comply with current occupational safety and health requirement should be provided at the outer edge of planter constructed along the sidewall of footbridges and flyovers.
- (vi) For planting underneath the structure of footbridges and flyovers, provision of sufficient natural light for growth of the selected plant species should be considered. The minimum headroom for these planting areas should be 2m. For planting on column, appropriate climbers should be considered.
- (vii) Planting of trees under elevated structure should be avoided.

Prevailing planting practices and guidelines issued by DEVB should also be observed.

- (viii) The project proponent should reach agreement with LCSD on landscape design and maintenance arrangement prior to the submission to Advisory Committee on the Appearance of Bridges and Associated Structures.
- (ix) Other considerations stipulated in DEVB Technical Circular (Works) No. 1/2018 should also be observed.

5. Plant Establishment and Handover Arrangement

- (i) Normal establishment period for planting work is 12 months after substantial completion of the soft landscape works, before taking over by LCSD for subsequent maintenance. The duration of establishment period could vary subject to mutual agreement between the works departments and LCSD. For transplanting of existing trees of semi-mature size or above, a longer establishment period may be required to ensure the healthy growth of trees, the situation would be considered on a case-by-case basis at the design stage.
- (ii) Prior to commencement of establishment period, a joint site inspection with LCSD should be arranged to assess and examine whether the plants are growing in a healthy condition and in compliance with the required specifications. Should the landscape works be found in unsatisfactory condition, or falling short of the required specifications, a second/third joint site inspection may be required until all sub-standard landscape works are rectified³.
- (iii) The commencement of plant establishment period should start on a date when LCSD accepts plantings to be substantially completed and satisfied in compliance with the specifications.
- (iv) During the plant establishment period, periodic joint inspections with LCSD should be made to monitor the maintenance work of

³ To facilitate better plant establishment, works department should start the planting works as early as possible to allow sufficient time for plants to adapt to the new environment.

the contractor as well as replacement of the defective items before the final handover. Irrespective of the inspection frequency, the works department should submit quarterly inspection reports together with photos of the landscaped areas to LCSD for perusal⁴.

- (v) Subject to satisfactory establishment of the landscaped plantings as observed at the final inspection and that water supply has been connected to all installed water points, LCSD would in normal circumstances formally take over the maintenance of all related plantings⁵.

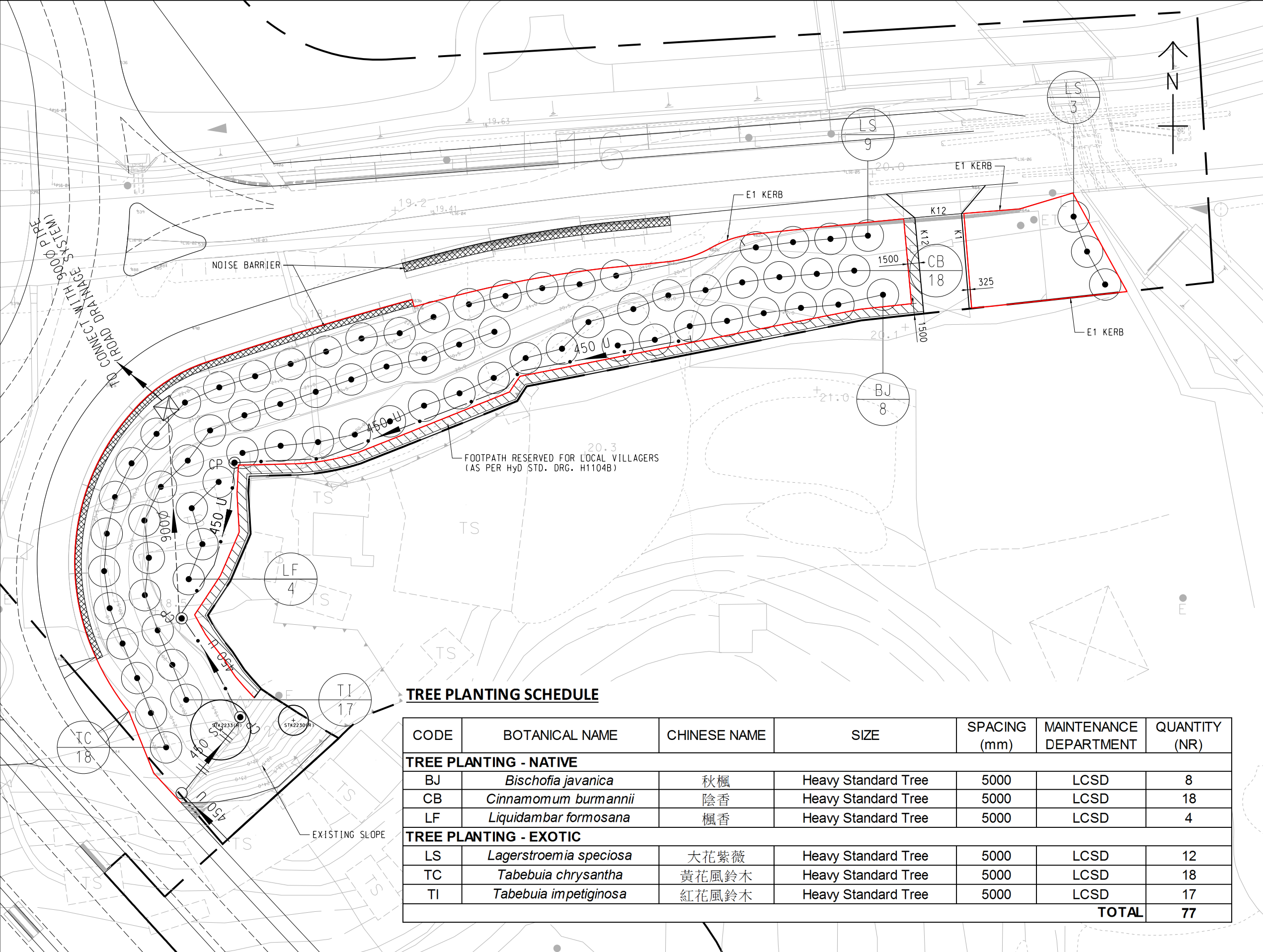
6. Recurrent Consequences (RC)

It should be the responsibility of the project-initiating department to provide at the design stage the design drawings and estimated RC to LCSD for vegetation maintenance, and to seek Financial Services and the Treasury Bureau approval on the RC provision for inclusion in the Public Works Subcommittee paper.

Leisure and Cultural Services Department
May 2018

⁴ LCSD could raise comment/request to rectify the planting conditions within 2 weeks upon receipt of the inspection report to allow time for the contractor to carry out rectification works before the next reporting cycle.

⁵ LCSD would allow partial handover of planting and rectification of latent defects, i.e. replacements of defective planting works, within mutually agreed time frame after handover.



KEY PLAN

LEGEND:

- SITE BOUNDARY
- E1 KERB
- PROPOSED TREE PLANTING
- ⊕ RETAINED TREE
- 450 U U-CHANNEL
- 9000 DRAIN PIPE
- 450 SC STEPPED CHANNEL
- ⊙ CATCHPIT
- ⊠ MANHOLE

TREE PLANTING SCHEDULE

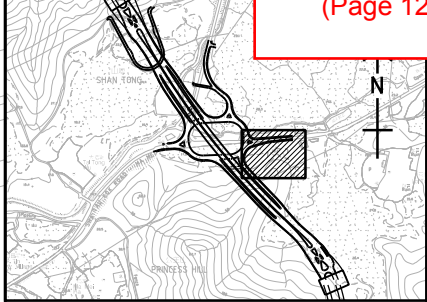
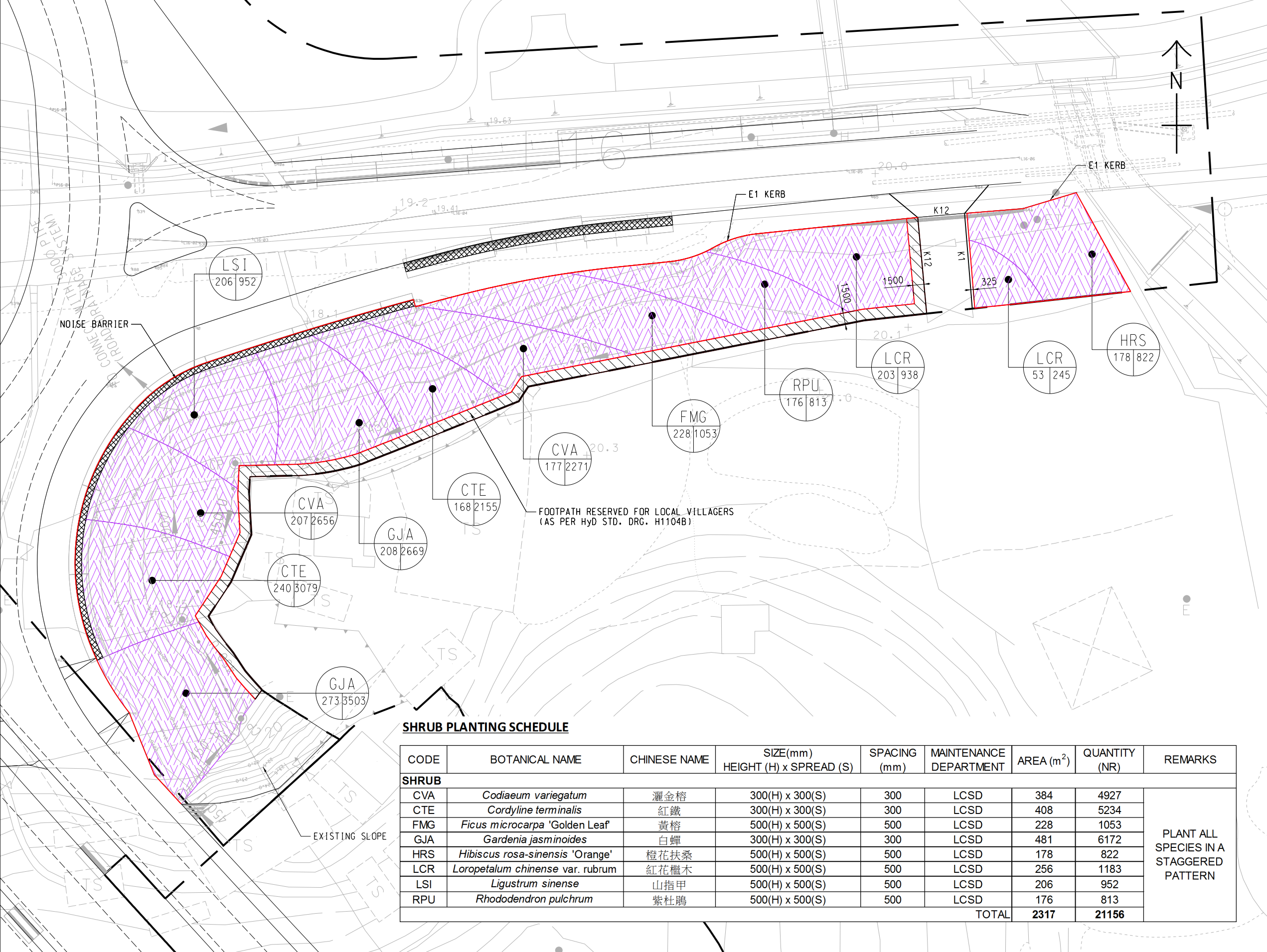
CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	MAINTENANCE DEPARTMENT	QUANTITY (NR)
TREE PLANTING - NATIVE						
BJ	<i>Bischofia javanica</i>	秋楓	Heavy Standard Tree	5000	LCSD	8
CB	<i>Cinnamomum burmannii</i>	陰香	Heavy Standard Tree	5000	LCSD	18
LF	<i>Liquidambar formosana</i>	楓香	Heavy Standard Tree	5000	LCSD	4
TREE PLANTING - EXOTIC						
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	Heavy Standard Tree	5000	LCSD	12
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	Heavy Standard Tree	5000	LCSD	18
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	Heavy Standard Tree	5000	LCSD	17
TOTAL						77

AECOM

CONTRACT NO. CV/2012/08
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 2

SHA TAU KOK INTERCHANGE - ADDITIONAL
TREE PLANTING IN PLANTING BED G

SCALE	1:500 ON A3	DATE	19-OCT-18
CHECKED	CLS Y	DRAWN	JT
JOB NO.	60212563/C2	SKETCH NO.	CV/2012/08/R10/120/1981
DOCUMENT REFERENCE NO.		REV	A



KEY PLAN

LEGEND:

- SITE BOUNDARY
- E1 KERB

RSI 76 975 SPECIES QUANTITY OF PLANT AREA m²

SHRUB PLANTING SCHEDULE

CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	MAINTENANCE DEPARTMENT	AREA (m ²)	QUANTITY (NR)	REMARKS
SHRUB								
CVA	<i>Codiaeum variegatum</i>	灑金榕	300(H) x 300(S)	300	LCSD	384	4927	PLANT ALL SPECIES IN A STAGGERED PATTERN
CTE	<i>Cordyline terminalis</i>	紅鐵	300(H) x 300(S)	300	LCSD	408	5234	
FMG	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	500(H) x 500(S)	500	LCSD	228	1053	
GJA	<i>Gardenia jasminoides</i>	白蟬	300(H) x 300(S)	300	LCSD	481	6172	
HRS	<i>Hibiscus rosa-sinensis</i> 'Orange'	橙花扶桑	500(H) x 500(S)	500	LCSD	178	822	
LCR	<i>Loropetalum chinense</i> var. <i>rubrum</i>	紅花檵木	500(H) x 500(S)	500	LCSD	256	1183	
LSI	<i>Ligustrum sinense</i>	山指甲	500(H) x 500(S)	500	LCSD	206	952	
RPU	<i>Rhododendron pulchrum</i>	紫杜鵑	500(H) x 500(S)	500	LCSD	176	813	
TOTAL						2317	21156	

LEE Pui Shan

From: Sau Han LAM <sauhanlam@lcsd.gov.hk>
Sent: Wednesday, 2 October 2019 6:29 PM
To: WONG Tin Lok, Clement
Cc: LEUNG Siu Yin, Carol; SZE Siu Ching, Sandy; NGO Tsz Kei, Twiggy; Anita SUNG; Elsa C TSENG; Angel LAU; Chris SW LAU; Meyan MY YEUNG
Subject: RE: Inspection with LCSD-NT North Tree Team on 5 September 2019 (Set 2/2)
Attachments: Attachment 2.pdf; Attachment 3.pdf
Importance: High

Dear Clement,

I refer to your emails on 7.9.2019 and 24.9.2019 as enclosed below and our joint site meeting 5.9.2019.

I would like to confirm the following on the revised drawings at "Attachment 2" :

- a) Trees in planting areas **clouded** in green (agreed to be maintained by LCSD)
- b) Trees in planting areas **clouded** in mustard and highlighted in crimson (disagreed to be maintained by LCSD except trees highlighted in light blue)
- c) Trees in planting areas **clouded** in mustard and highlighted in green or light green (disagreed to be maintained by LCSD due to the level difference between the footpath and the trees with access problem)
- please refer to aerial photos at "Attachment 3".

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: "'sauhanlam@lcsd.gov.hk'" <sauhanlam@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>
Date: 24/09/2019 15:53
Subject: RE: Inspection with LCSD-NT North Tree Team on 5 September 2019 (Set 2/2)

Dear Ms. Lam,

Set 2/2 is sent for your reference.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Tuesday, September 24, 2019 3:51 PM
To: 'sauhanlam@lcsd.gov.hk'
Cc: LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com)
Subject: RE: Inspection with LCSD-NT North Tree Team on 5 September 2019 (Set 1/2)

Dear Ms. Lam,

Further to item 3 of our email below, we are pleased to provide LCSD/NDLSO's preliminary verbal comments in the attached email for your reference (to be sent in 2 separate emails).

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Saturday, September 07, 2019 11:33 AM
To: 'sauhanlam@lcsd.gov.hk'
Cc: 'cptang@lcsd.gov.hk'; 'ywcheuk@lcsd.gov.hk'; LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com)
Subject: Inspection with LCSD-NT North Tree Team on 5 September 2019

Dear Ms. Lam,

1. Thank you for joining the site inspection on 5 September 2019. A set of drawings showing the following salient points is attached for your confirmation/comment:-

- a) Planting areas **clouded** in green (agreed to be maintained by LCSD)
- i) Please confirm/advise that the proposed tree species and their distribution are acceptable.
- b) Planting areas **clouded** in mustard (proposed to be maintained by LCSD in this submission)
- i) Trees agreed to be maintained by LCSD/NTNTT (i.e. New Territories North Tree Team) are highlighted in light blue.
- ii) LCSD/NTNTT advised AECOM to further liaise with LCSD/NDLSO (i.e. North District Leisure Services Office) for the trees located in crimson areas.
- iii) LCSD/NTNTT disagreed to maintain a certain number of trees due to the level difference between the footpath and the trees. Such areas are highlighted in green.

2. Tree Planting Schedule is attached to summarize the plant species and the quantity proposed to be maintained by LCSD. Aerial photos are also attached for your reference.

3. Please note that a joint site inspection with LCSD/NDLSO will be held on 10 September 2019. We shall inform you about their comments for your consolidated reply.

4. As discussed in the site inspection, we would like to seek additional planting areas or tree pits under your jurisdiction for the compensatory tree plantings of our Project. Please feel free to call our Field Officer Clement Wong at 6321 5051 or Sandy Sze at 6321 5065 for site inspection and/or any further discussion on this matter.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

位於 Thu, 12 Sep 2019 01:38:43) <clement.wong@lt-aecom.com> "WONG Tin Lok, Clement" 訊息來自 ----- (0000+

<rywcheng@lcsd.gov.hk> "(Ray YW CHENG (rywcheng@lcsd.gov.hk)":寄件人
.hk> "'kcchan@lcsd.gov.hk'",<khktsang@lcsd.gov.hk> "(Kay HK TSANG (khktsang@lcsd.gov.hk)":副本抄送
<sandy.sze@lt-aecom.com>

September 2019 10 RE: Inspection with LCSD-NDLSO on:主旨

,Dear Mr. Cheng

,please find 'Attachment 2' and 'Attachment 3' for your reference ,Further to my preceding email

,Best Regards

Clement WONG
Resident Field Officer I

Boundary Control Point Liantang / Heung Yuen Wai
Works Site Formation and Infrastructure
.AECOM Asia Co. Ltd

Tel: 6321 5051 / 2171 3437

WONG Tin Lok, Clement :**From**
Thursday, September 12, 2019 9:37 AM :**Sent**
(Ray YW CHENG (rywcheng@lcsd.gov.hk) :**To**
Siu Yin, Carol; NGO Tsz Kei, Twiggy; Kay HK TSANG (khktsang@lcsd.gov.hk); 'kcchan@lcsd.gov.hk'; LEUNG :**Cc**
(SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com
Inspection with LCSD-NDLSO on 10 September 2019 :**Subject**

,Dear Mr. Cheng

-.your review Please find the following salient points for .on 10 September 2019 Thank you for joining the site inspection

.in pervious submissions were agreed to be maintained by LCSD ,green in **clouded** Planting areas .1

in this submission in response to LandsD's were proposed to be maintained by LCSD ,mustard in **clouded** Planting areas .2
.suggestion

District Leisure were agreed to be maintained by LCSD/NDLSO (i.e. North ,light blue in **highlighted** Planting areas .3

provision of water points, and kerbs or other structures to delineate AECOM would further advise .maintenance responsibility LCSD's

drainage ,DSD for maintenance of planting areas in proximity of DSD's nullahs LCSD/NDLSO advised AECOM to approach .4
.channels or engineered watercourses

about taking up the maintenance responsibility of vegetation on UUGLs where LCSD/NDLSO expressed their reservations .5
.area there was substantial level difference between the footpath and the planting

-.proposed to be maintained by LCSD are summarized as follows Additional trees and planting areas .6

Planting areas (sq.m)	Trees (nr.)	Proposed to be Maintained by LCSD
3459	634	Agreed on site
11230	424	Pending further advice
14689	1058	Total

:for your reference Please also find the following attachments

proposed to be maintained by LCSD/NDLSO, in response to LandsD's suggestion Attachment 1- Additional planting areas
be to) (the agreement with LCSD/NTNTT (i.e. New Territories North Tree Team Attachment 2- A set of drawings showing
(**sent in separate email**
in separate to be sent) some close-up site photos showing the site conditions Attachment 3- A set of aerial photos and
(**email**

require Should you .your reply by 18 September 2019 is highly appreciated ,Due to the tight programme of this Project
Architect, Ms. Carol Leung, at 2171 3405 or Field Officer I, further information, please feel free to call our Senior Landscape
.Wong at 2171 3437 Mr. Clement

,Best Regards

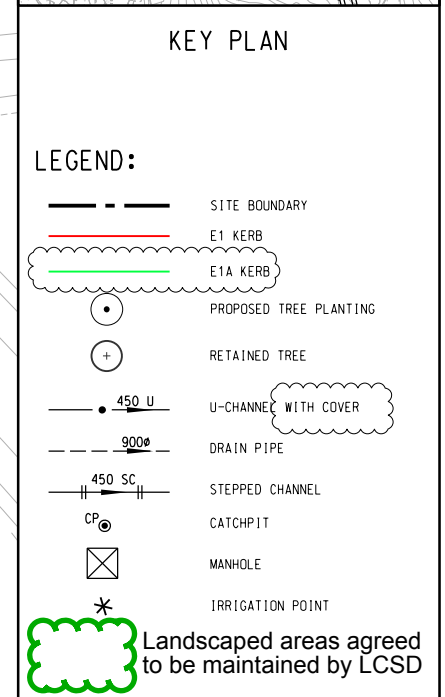
Clement WONG
Resident Field Officer I

Point Liantang / Heung Yuen Wai Boundary Control
Site Formation and Infrastructure Works
.AECOM Asia Co. Ltd

Tel: 6321 5051 / 2171 3437

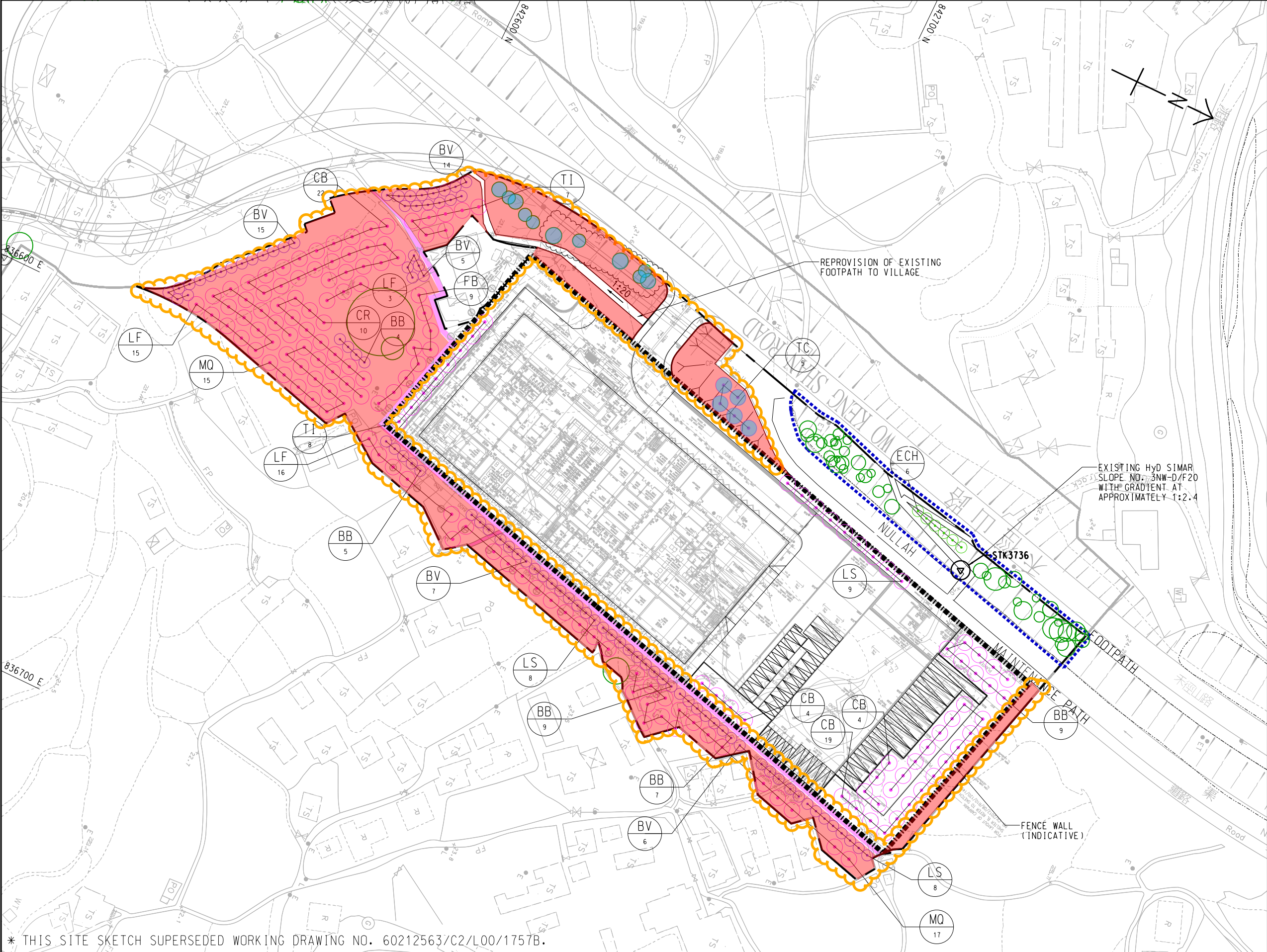
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Contract No. CV/2012/08 Contract 2



CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	MAINTENANCE DEPARTMENT	QUANTITY (NR)
TREE PLANTING - NATIVE						
BJ	<i>Bischofia javanica</i>	秋楓	Heavy Standard Tree	5000	LCSD	8
CB	<i>Cinnamomum burmannii</i>	陰香	Heavy Standard Tree	5000	LCSD	18
LF	<i>Liquidambar formosana</i>	楓香	Heavy Standard Tree	5000	LCSD	4
TREE PLANTING - EXOTIC						
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	Heavy Standard Tree	5000	LCSD	12
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	Heavy Standard Tree	5000	LCSD	18
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	Heavy Standard Tree	5000	LCSD	17
SL	<i>Sterculia lanceolata</i>	假蘋婆			TOTAL	77

Proposed substitute due to unavailability of
TI *Tabebuia impetiginosa* 紅花風鈴木 by
Contract 2 Contractor



- NOTE:
1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2012/08/R10/120/1374.
- Additional areas proposed to be maintained by LCSD
 - Additional landscaped areas proposed to be maintained by LCSD/NDLSO; LCSD/NTNTT advised AECOM to further liaise with LCSD/NDLSO
 - Trees agreed to be maintained by LCSD/NTNTT

* THIS SITE SKETCH SUPERSEDED WORKING DRAWING NO. 60212563/C2/L00/1757B.

AECOM

CONTRACT NO. CV/2012/08
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 2


TREE PLANTING PLAN (SHEET 5 OF 7)
- ADMINISTRATION BUILDING


SCALE	1:1000 ON A3	DATE	25-JUL-19	
CHECKED	VLWK	DRAWN	IFPY	
JOB NO. 60212563/C2		SKETCH NO. CV/2012/08/R10/120/1384		REV E
DOCUMENT REFERENCE NO.				


Contract No. CV/2013/08 Contract 6

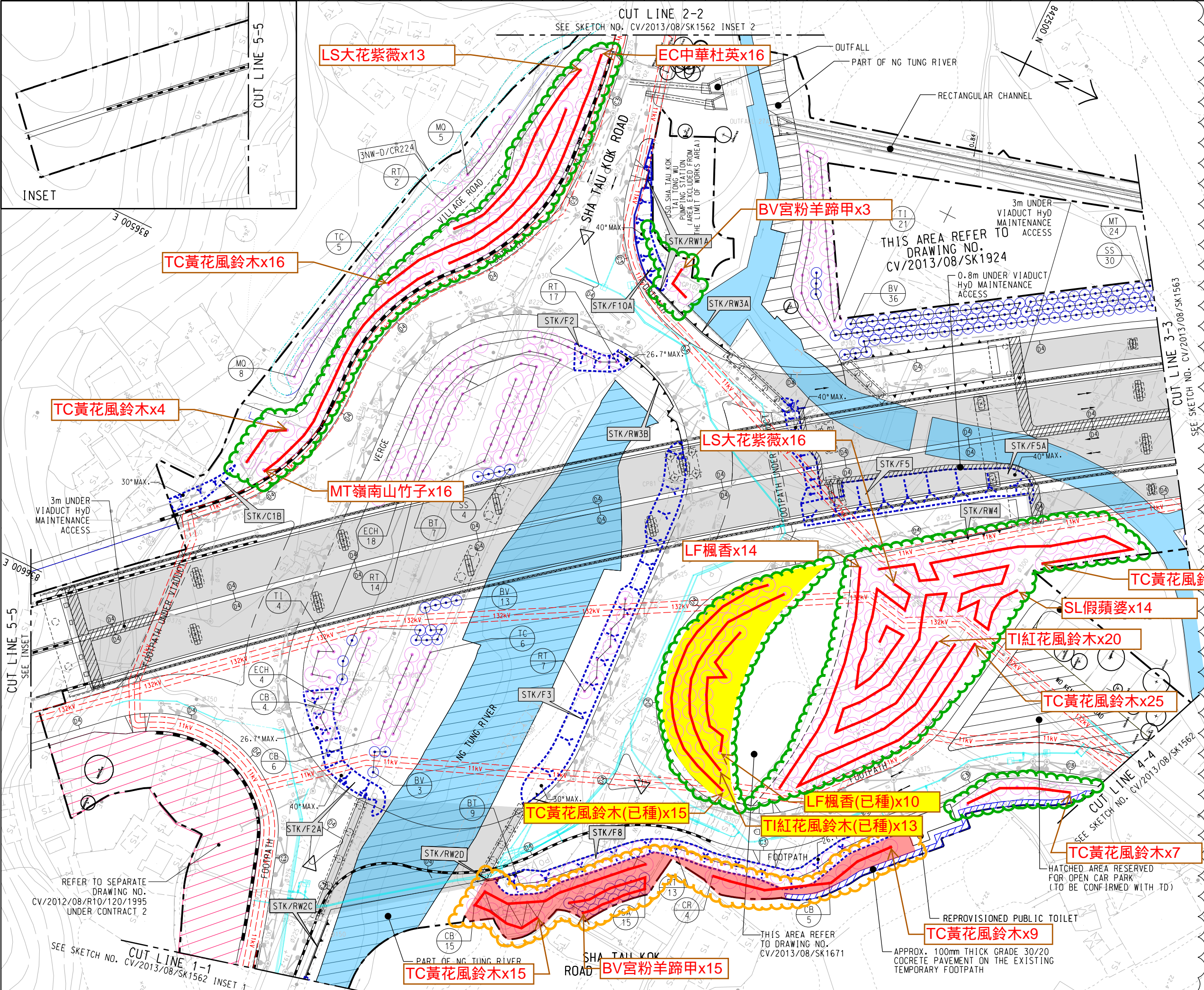
NOTE:

1. FOR NOTES AND LEGENDS, REFER TO DRAWING NO. CV/2013/08/SK1915.

 Landscaped areas agreed to be maintained by LCSD

 Additional areas proposed to be maintained by LCSD

 Additional landscaped areas proposed to be maintained by LCSD/NDLSO; LCSD/NTNTT advised AECOM to further liaise with LCSD/NDLSO



REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1701B.

F	11/07/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	16/05/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	28/06/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
A	30/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

AECOM


CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6


TITLE:		TREE PLANTING PLAN	
SKETCH NO.		CV/2013/08/SK1561F	
		SCALE 1:1000 (A3)	


NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.

 Landscaped areas agreed to be maintained by LCSD

 Additional areas proposed to be maintained by LCSD

 Demarcation line (10m from the road kerb)

 Additional landscaped areas proposed to be maintained by LCSD/NDLSO; LCSD/NTNTT advised AECOM to further liaise with LCSD/NDLSO

BJ秋楓x6

CR紅千層x7

TI紅花風鈴木x6

B

CUT LINE 7-7
SEE SKETCH NO. CV/2013/08/SK1566

REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1705B.

B	11/07/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	HLHS
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

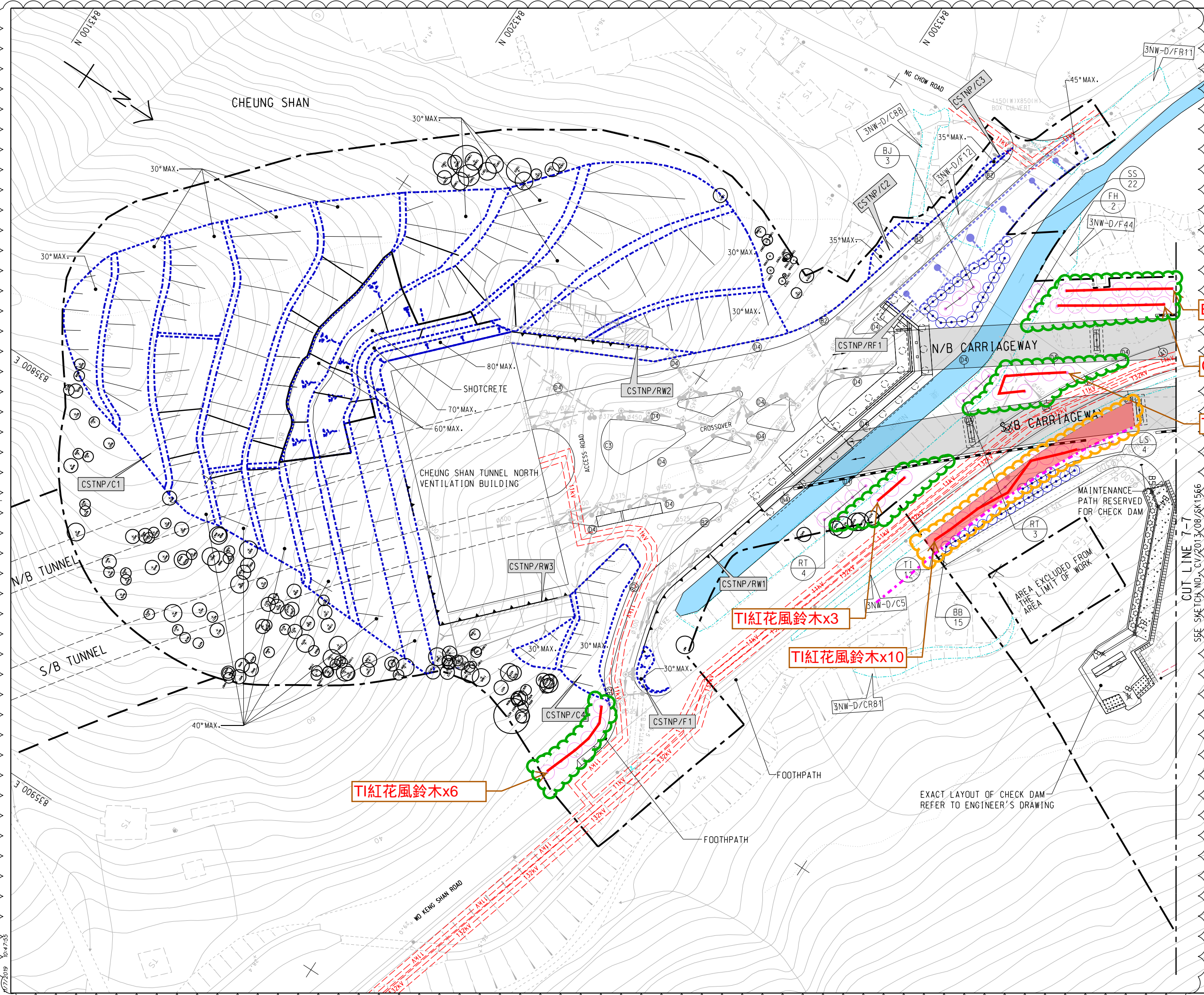
TITLE:

TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1565B

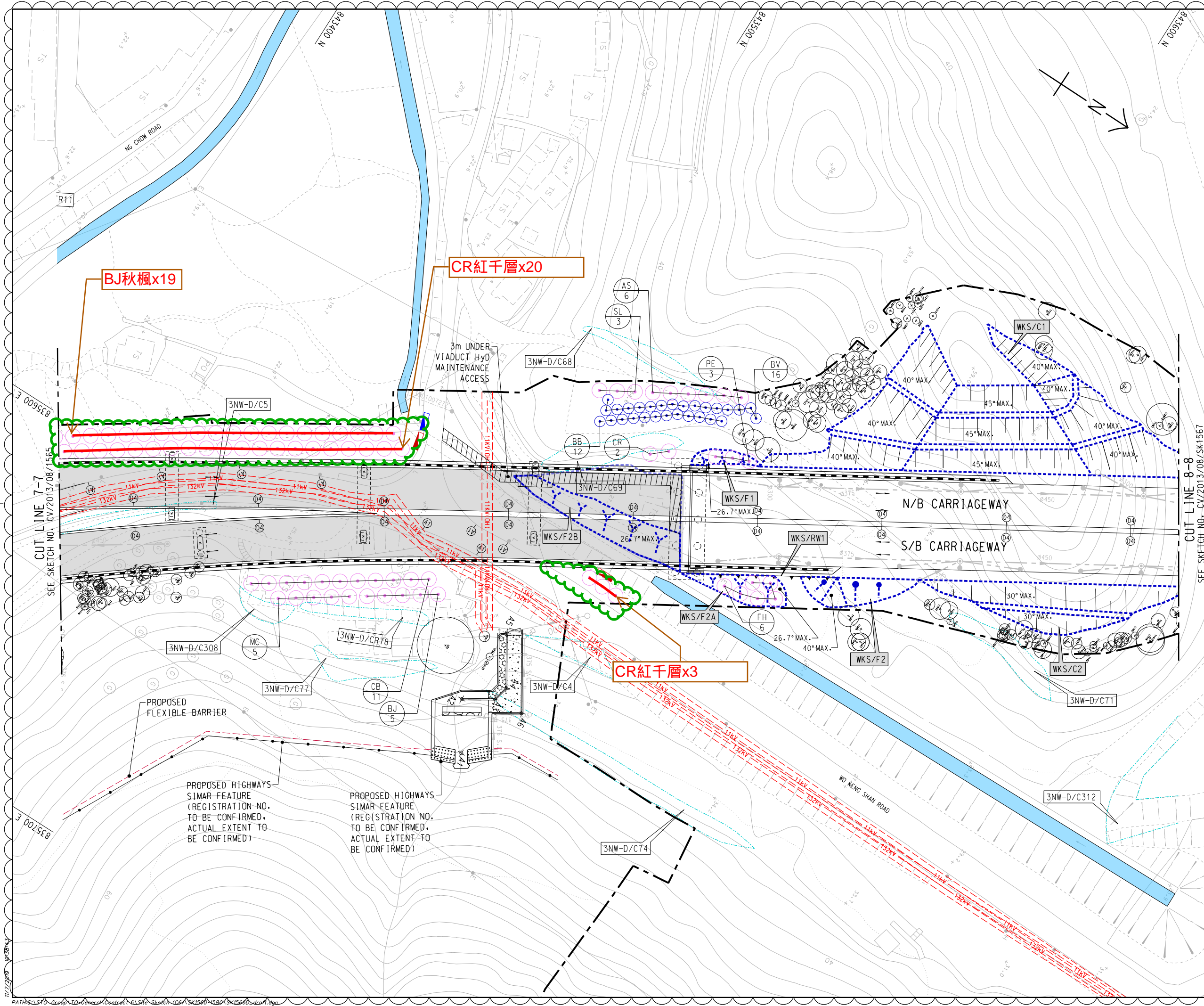
(SHEET 5 OF 20)

SCALE
1:1000 (A3)



1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.

Landscaped areas agreed to be maintained by LCSD



REFERENCE:

7. SUPERSEDE DRG NO. 60212563/C6/L00/1706A.

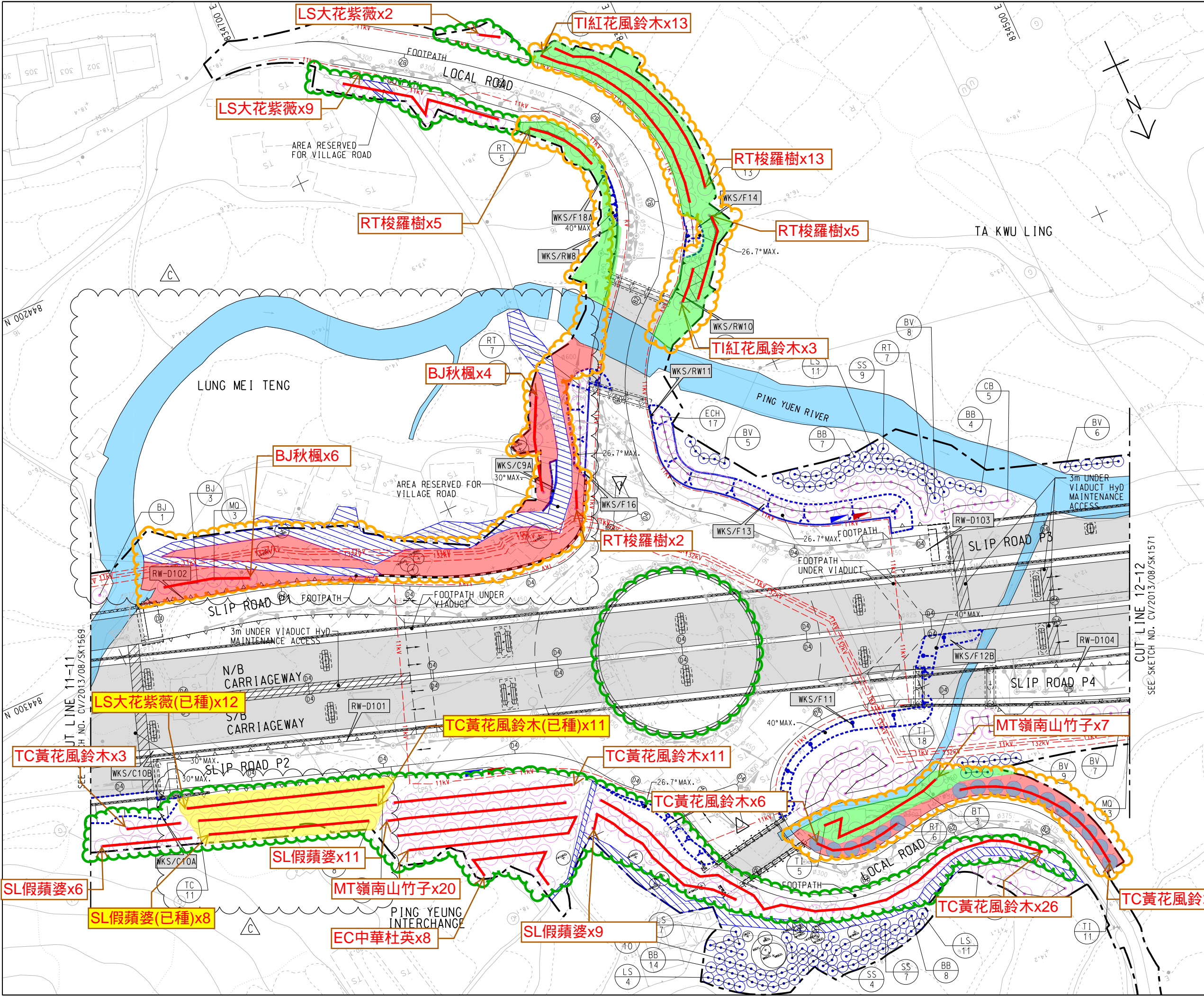
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04/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
24/07/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
av. Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
JANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: TREE PLANTING PLAN

		(SHEET 6 OF 20)
SKETCH NO.	CV/2013/08/SK1566D	SCALE 1:1000 (A3)



- NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.
- Landscaped areas agreed to be maintained by LCSD
 - Additional areas proposed to be maintained by LCSD
 - Additional landscaped areas proposed to be maintained by LCSD/NDLSO; LCSD/NTNTT advised AECOM to further liaise with LCSD/NDLSO
 - LCSD/NTNTT disagreed to maintain the trees within this area due to the level difference between the footpath and the trees
 - Trees agreed to be maintained by LCSD/NTNTT

REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1710A.

C	11/07/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLS	Y
B	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLS	Y
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLS	Y
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS	
Rev.	Date	Description	Drawn	Prepared	Checked	

AECOM

DD CONTRACT NO. CV/2013/08
UNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1570C
SCALE 1:1000 (A3)

NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



Landscaped areas agreed to be maintained by LCSD



Additional areas proposed to be maintained by LCSD



Additional landscaped areas proposed to be maintained by LCSD/NDLSO; LCSD/NTNTT advised AECOM to further liaise with LCSD/NDLSO



Trees agreed to be maintained by LCSD/NTNTT



REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1714A.

D	11/07/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLS	Y
C	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLS	Y
B	28/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLS	Y
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLS	Y
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS	
Rev.	Date	Description	Drawn	Prepared	Checked	

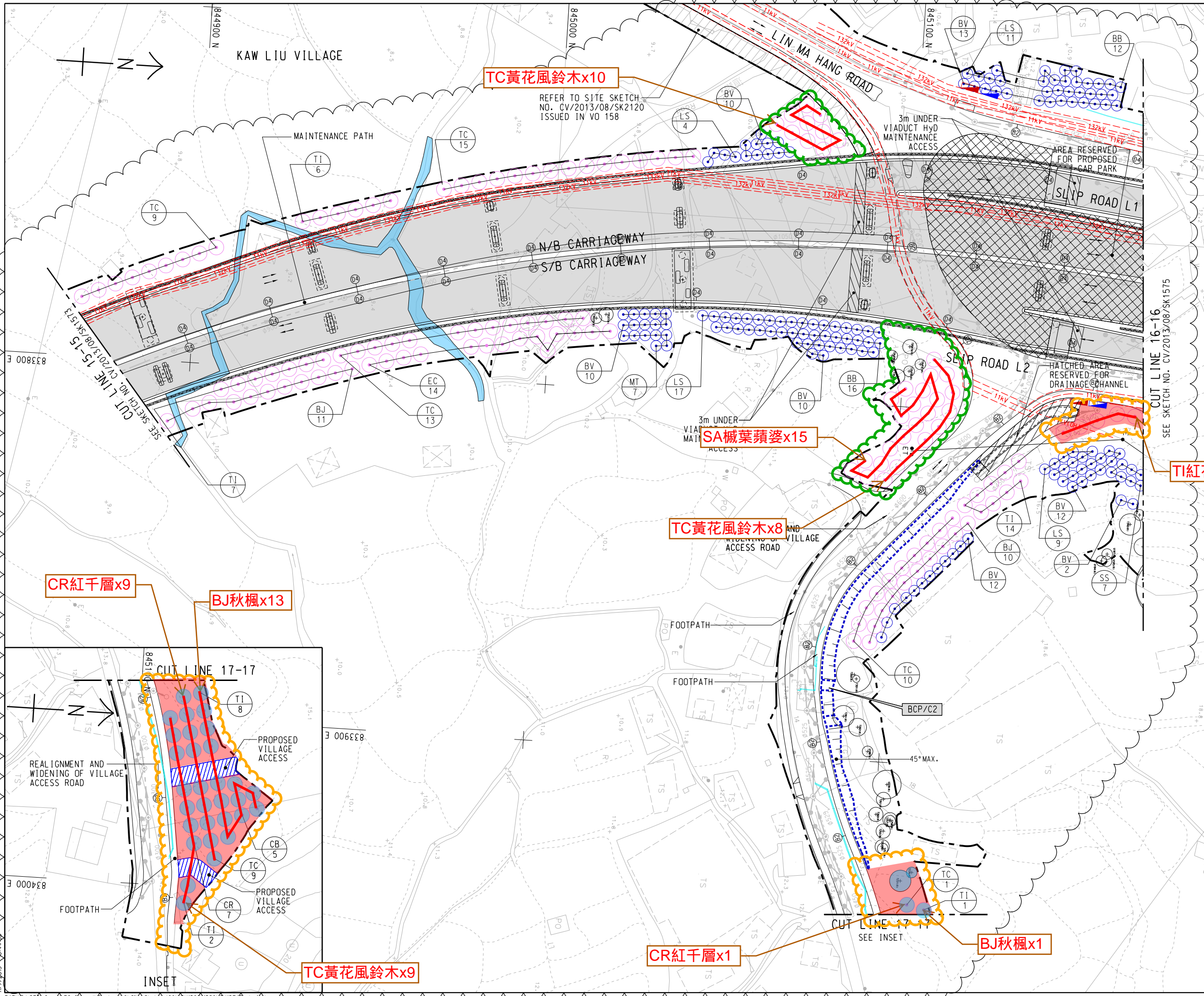
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

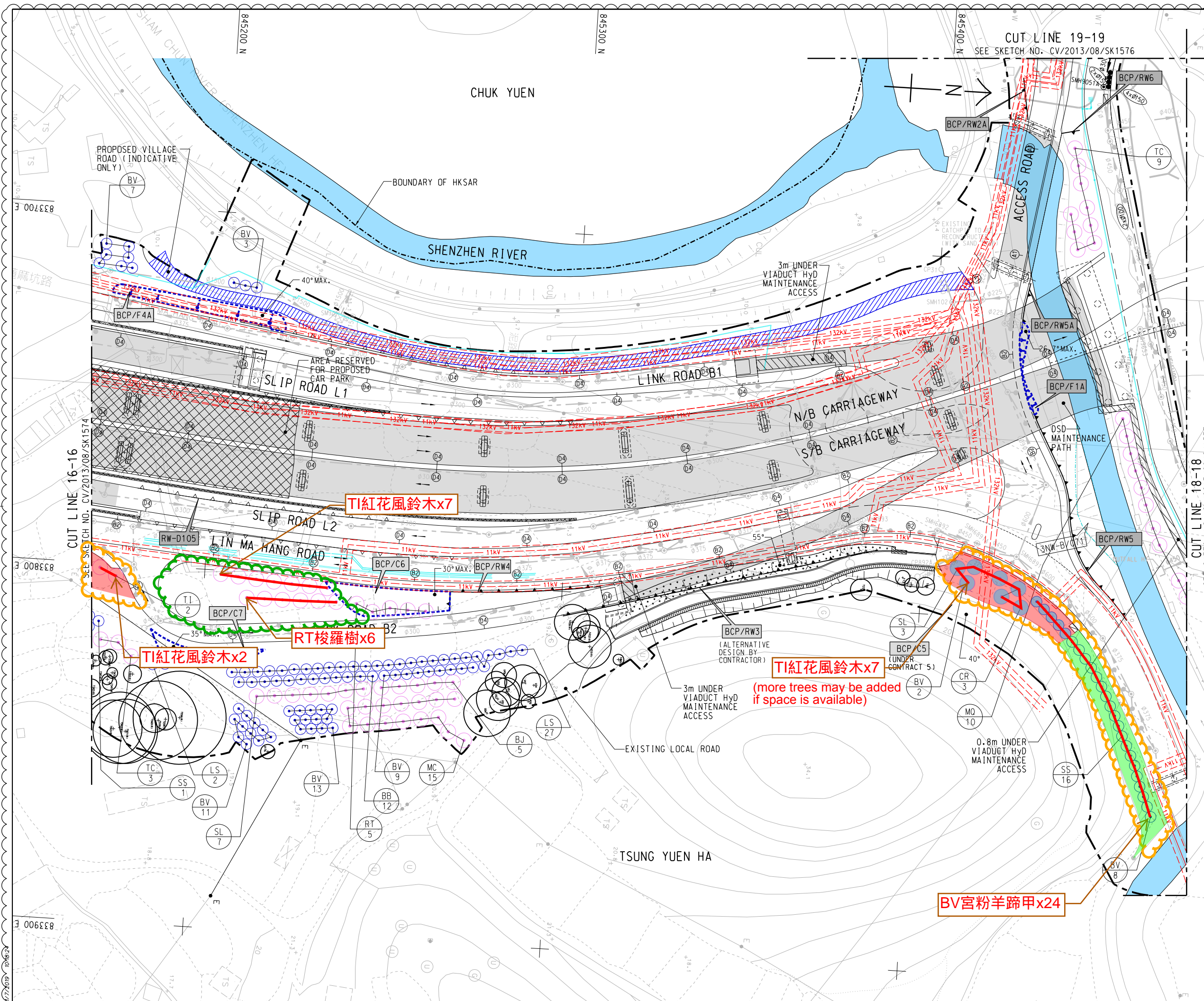
TITLE: TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1574D

SCALE
1:1000 (A3)





1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.

 Landscaped areas agreed to be maintained by LCSD

 Additional areas proposed to be maintained by LCSD

LCSO/NTNTT disagreed to maintain the trees within this area owing to the level difference between the footpath and the trees

Additional landscaped areas proposed to be maintained by LCSD/NDLSO; LCSD/NTNTT advised AECOM to further liaise with LCSD/NDLSO

● Trees agreed to be maintained by LCSD/NTNTT

REFERENCE:
 . SUPERSEDE DRG NO. 60212563/C6/L00/1715B.

	11/07/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	04/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
 IANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
 SITE FORMATION AND INFRASTRUCTURE WORKS -
 CONTRACT 6

TITLE: TREE PLANTING PLAN

		(SHEET 15 OF 20)
SKETCH NO.	CV/2013/08/SK1575D	SCALE 1:1000 (A3)



LEGEND:

- SITE BOUNDARY
- (+) RETAINED TREE
- (Δ) TRANSPLANTED TREE
- (●) AS-BUILT PLANTING TREE
- (T1/7) PLANT CODE
PLANT NOS
- ▲ AS-BUILT RETAINING WALL
- ▲ SLOPE
- IRRIGATION PIPE FOR WATER POINT SYSTEM
- * WPL3-5-5 WATER POINT WITH WATER POINT NUMBER
- Additional areas proposed to be maintained by LCSD
- Demarcation line (10m from the road kerb)
- LCSD/NTNTT disagreed to maintain the trees within this area due to the level difference between the footpath and the trees

REFERENCE:					
A	30/08/18	AS-BUILT	HHL	CW	CLSY
-	08/05/17	AS-BUILT	HHL	CW	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/03 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 5					
TITLE: AS-BUILT TREE PLANTING PLAN					
SHEET 4 OF 10					
SKETCH NO.		CV/2013/03/SK0581A			SCALE 1:500(A3)

8/1/2019 4:37:59 PM

PATH:S:\STO Group\C5 CD backup\CV201303-Sketches\Sk0500 to 0599\SK0546 - 0551\SK0582A_1707A_PT_AS.dgn

Site Photos

Administration Building (Sketch No. CV/2012/08/R10/120/1394)



Sha Tau Kok Interchange (Sketch No. CV/2013/08/SK1939C)



Site Photos

North Portal –Bridge B (Sketch No. CV/2013/08/SK1943D)



Ping Yeung Interchange (Sketch No. CV/2013/08/SK1948F)



Site Photos

Correspondence 22
(Page 19 of 28)

Road to Chuk Yuen Village (Sketch No. CV/2013/08/SK1952D & 1953C)



Lin Ma Hang Road (Sketch No. CV/2013/08/SK1953C)



Site Photos

Correspondence 22
(Page 20 of 28)

Lin Ma Hang Road (Sketch No. CV/2013/08/SK1953C)



Lin Ma Hang Road (Sketch No. CV/2013/08/SK1953C)



Site Photos

P11 Road-Aerial Photos taken on 9 Sep 2019



P11 Road-Aerial Photos taken on 9 Sep 2019



Site Photos

P11 Road-Site Photos taken in 2017



Site Photos

P11 Road-Site Photos taken in 2017



Site Photos

P11 Road-Site Photos taken in 2017



Site Photos



Site Photos



Site Photos

P11 Road-Level Difference



Site Photos

P11 Road-Level Difference



LEE Pui Shan

From: WOO Man Chi, Manchi
Sent: Thursday, 24 October 2019 1:53 PM
To: LEE Pui Shan
Subject: FW: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)
Attachments: additional planting areas agreed on site (LCSD confirmed as highlighted Yellow).pdf

Dear Shan,

For incoming register.

Regards,
Manchi

From: LEUNG Siu Yin, Carol
Sent: Thursday, 24 October 2019 1:50 PM
To: WOO Man Chi, Manchi <manchi.woo@lt-aecom.com>; MA Chi Fai, Rita <rita.ma@lt-aecom.com>
Subject: FW: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)

Dear GOs,
Please register the email under C2 and C6

Thanks!
Carol
21713405/63215017

From: Karen KC NG [mailto:kkcng@lcsd.gov.hk]
Sent: Thursday, October 24, 2019 12:59 PM
To: WONG Tin Lok, Clement; LEUNG Siu Yin, Carol
Cc: Susana SL TAI YIP; Ray YW CHENG; Kay HK TSANG; Anita SUNG; Sau Han LAM; Elsa C TSENG
Subject: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)

Dear Carol and Clement,

I refer to our joint site inspection on 10 September, 9 October 2019 and your email below, please note that we are agreed in-principle to take up the vegetation maintenance of the additional planting areas (approx. 3,705m²) as highlighted in light blue as per the sketches via your email of 10 October 2019 17:19 & 17:23PM (i.e. CV/2012/08/R10/120/1394, CV/2013/08/SK1948F, CV/2013/08/SK1952D & CV/2013/08/SK1953C as reproduced below) on the following conditions:

- the planting areas should be located along non-expressway public roads maintained by the HyD in accordance with item 6(ii) of DEVB TCW No. 6/2015; LCSD would not take up those landscaped areas fall within village environs and those along village access road/footpath not maintained by HyD;
- the planting areas should be provided with water points with maintenance works agent identified for LCSD as well as proper access, lay-by and safe working conditions for LCSD's maintenance crew;
- the planting areas should be clearly delineated with clear demarcation by installation of kerb/fencing and LCSD is not responsible for these hard landscape features;
- the new trees to be planted on these additional planting areas should be agreed by our Regional Tree Team;

- CEDD should provide sufficient amount of recurrent cost and to seek Financial Services and Treasury Bureau approval on it for inclusion in the Public Works Subcommittee paper; and
- LCSD reserves the right to provide further comment on the planting proposal and relevant drawings.

Regarding the remaining proposed planting areas of UUGLs (approx. 10,984m²) including the areas adjacent to Administration Building (as shaded in RED and Green in sketches CV/2012/08/R10/120/1394) and those planting areas where are found obvious level difference between the planting areas and the adjacent public roads/footpath considering of low amenity value to the public, situated behind HyD's slopes and along footpath within village environs, it is regret to inform you that LCSD would not take up the maintenance responsibility of the vegetation therein after having taken into account the above and prior agreeable planting areas (approx. 19,142m²) as well as the additional planting areas (approx. 3,705m²) to be taken up.

For the proposed planting areas near Sewage Treatment Plant (i.e. CV/2013/08/SK2557 and site photo below), it appears that it is the access for personnel of the Sewage Treatment Plant where is located in close proximity to the restricted area of the Boundary Control Point, we consider that there has no amenity value to the public and landscape enhancement work and the subsequent maintenance to be handed over to LCSD is not necessary.



If you have any questions, please feel free to contact me or Mr Ray CHENG.

Regards,
Karen KC NG
DDL(N)2/LCSD
Tel: 2679 2833

----- Forwarded by Karen KC NG/LCSD/HKSARG on 18/10/2019 15:18 -----

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: "Karen KC NG (kkcng@lcsd.gov.hk)" <kkcng@lcsd.gov.hk>
Cc: "Ray HK TSANG (khktsang@lcsd.gov.hk)" <khktsang@lcsd.gov.hk>, "Ray YW CHENG (rywcheng@lcsd.gov.hk)" <rywcheng@lcsd.gov.hk>, "Lo Chi Fai, Steve" <stevelo@cadd.gov.hk>, "Lam Shu, Albert" <albertlam@cadd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twigg" <twiggv.ngo@lt-aecom.com>, "LAM Wing Ki, Vicky" <vicky.lam@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "sauhanlam@lcsd.gov.hk" <sauhanlam@lcsd.gov.hk>, "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>
Date: 11/10/2019 14:15
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Supplementary Information)

Dear Ms. Ng,

Further to our email below, please find the breakdown for the plantings already agreed in previous submissions as illustrated in the table below. Please also find the attached (a) your latest comments on 'Soft Landscape Works Proposal' (**Attachment a1.pdf**) and 'Additional Landscaped Areas' (**Attachment a2.pdf**); and (b) supplementary drawings showing the plantings to be maintained by LCSD (**Attachment b.pdf**) for your reference.

Proposed to be Maintained by LCSD*	New Trees (nr.) ^A	New Shrubs/Groundcovers	
		Quantity (nr.)	Planting areas (sq.m)
Already agreed in previous submissions (clouded in green)	553	approx. 174,835	approx. 19,142
a) Soft Landscape Works Proposals	299	approx. 91,926	approx. 9,872
b) Additional Landscaped Areas	254	Approx. 82,909	approx. 9,270
Additional planting areas agreed on site for this submission (highlighted in light blue)	110	approx. 21,104	approx. 3,705
Total	663	195,939	22,847
Pending further advice (highlighted in crimson)	132	approx. 32,715	approx. 3,390
Additional planting areas declined by LCSD (highlighted in light green)	189	approx. 69,332	approx. 7,594
Remarks: *excluding new trees and planting areas along realigned Lin Ma Hang Road and at Chuk Yuen Village Resite Area. ^A excluding retained and transplanted trees			

Besides, please note that we have submitted our 2nd Response to Comments on Soft Landscape Works Proposal via the letter ref. PWKL:cfwl:60212563/C6/C55/200-2019004976W dated 4 June 2019 (**Attachment c.pdf**-annexes are excluded) but we have not received any feedback from LCSD. We would be grateful if you would also reply to this letter at your earliest convenience.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Thursday, October 10, 2019 5:25 PM
To: Karen KC NG (kkng@lcsd.gov.hk)
Cc: Kay HK TSANG (khktsang@lcsd.gov.hk); Ray YW CHENG (rywcheng@lcsd.gov.hk); Lo Chi Fai, Steve (stevelo@cedd.gov.hk); Lam Shu, Albert (albertlam@cedd.gov.hk); LEUNG Siu Yin, Carol; NGO Tsz Kei, Twigg; LAM Wing Ki, Vicky; SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com); TAM Tsz Him, Ray; 'sauhanlam@lcsd.gov.hk'; Angel LAU (angellau@lcsd.gov.hk)
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 2/2)

Dear Ms. Ng,

Further to our email below, please find part 2 of the drawings in the attachment for your perusal.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Thursday, October 10, 2019 5:19 PM
To: Karen KC NG (kkng@lcsd.gov.hk)
Cc: Kay HK TSANG (khktsang@lcsd.gov.hk); Ray YW CHENG (rywcheng@lcsd.gov.hk); Lo Chi Fai, Steve (stevelo@cedd.gov.hk); Lam Shu, Albert (albertlam@cedd.gov.hk); LEUNG Siu Yin, Carol; NGO Tsz Kei, Twigg; LAM Wing Ki, Vicky; SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com); TAM Tsz Him, Ray; 'sauhanlam@lcsd.gov.hk'; Angel LAU (angellau@lcsd.gov.hk)
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 1/2)

Dear Ms. Ng,

Thank you for joining the site inspection on 9 October 2019 for the additional planting areas proposed to be maintained by LCSD (**clouded** in **mustard**). Please find the following salient points and a set of drawings (**to be sent in 2 separate emails**) for your review:-

- LCSD/NDLSO agreed to take up the maintenance of certain additional planting areas, where are **highlighted** in light blue.
- LCSD/NDLSO would reconsider taking up the maintenance responsibility of vegetation on UUGLs adjacent to Administration Building and near Nga Yiu Ha (see **highlighted** in crimson).
- LCSD/NDLSO reiterated all planting area handed over to LCSD, shall meet the following criteria:-
 - the planting areas would be "landscaped" in accordance with item 6(vii) of DEVB TCW No. 6/2015.
 - water points would be provided and properly maintained by a maintenance agent other than LCSD; and
 - the planting areas would be clearly delineated.
- LCSD/NDLSO also pointed out that they would **not** take up the maintenance responsibility of the shrubs in some controversial planting areas (see **highlighted** in light green); typical cases include:-
 - where there is significant level difference between the planting areas and the adjacent footpath, inducing low/nil amenity value to the public;
 - planting areas behind HyD slopes; and
 - planting areas along footpath within village environs.
- LCSD/NDLSO opined that these UUGLs should be maintained by LandsD after reinstatement. The unresolved maintenance responsibility of such areas (including trees and shrubs) shall be further discussed with LandsD in due course.
- Trees and planting areas proposed to be maintained by LCSD are summarized as follows

Proposed to be Maintained by LCSD*	New Trees (nr.)^	Planting areas (sq.m)
Already agreed in previous submissions (clouded in green)	550	approx. 149,216
Additional planting areas agreed on site for this submission (highlighted in light blue)	110	approx. 3,705
Total	660	152,921
Pending further advice (highlighted in crimson)	132	3,390
Additional planting areas declined by LCSD (highlighted in light green)	189	7,594
Remarks: *excluding new trees and planting areas along realigned Lin Ma Hang Road and at Chuk Yuen Village Resite Area. ^excluding retained and transplanted trees		

Due to the tight programme of this Project, your reply by 18 October 2019 is highly appreciated. Should you require further information, please feel free to contact our Senior Landscape Architect, Ms. Carol Leung, at 2171 3405 or Field Officer I, Mr. Clement Wong at 2171 3437.

Best Regards,

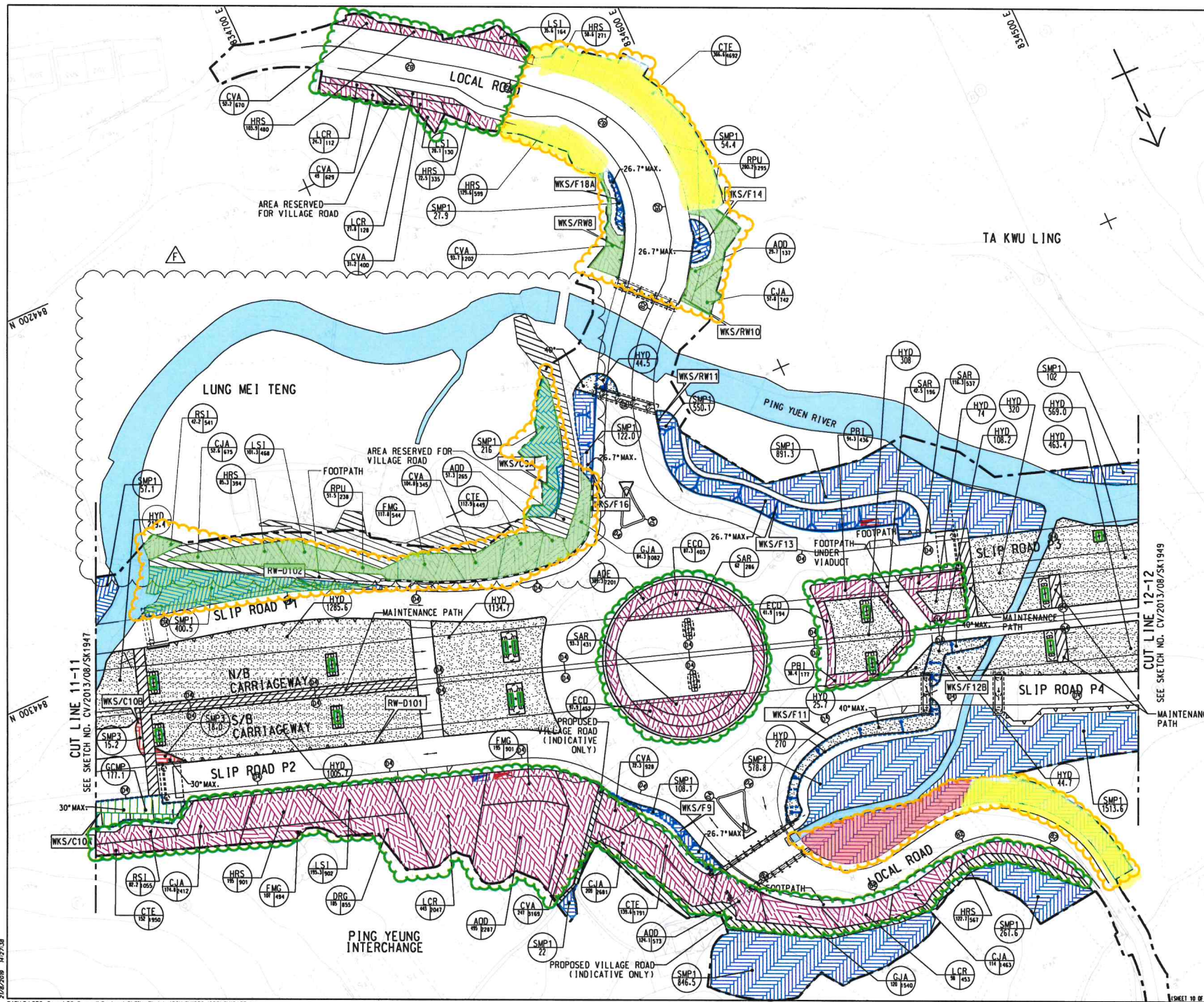
Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

[attachment "Attachment c.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment a1.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment a2.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment b.pdf" deleted by Karen KC NG/LCSD/HKSARG]

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- NOTE:
- FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1915.
- Proposed landscaped areas to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - LCSD/NDLSO would further advise their opinion on the maintenance responsibility
 - LCSD/NDLSO declined to take up the maintenance responsibility
 - Demarcation line (10m from the road kerb) - indicative only

REFERENCE:

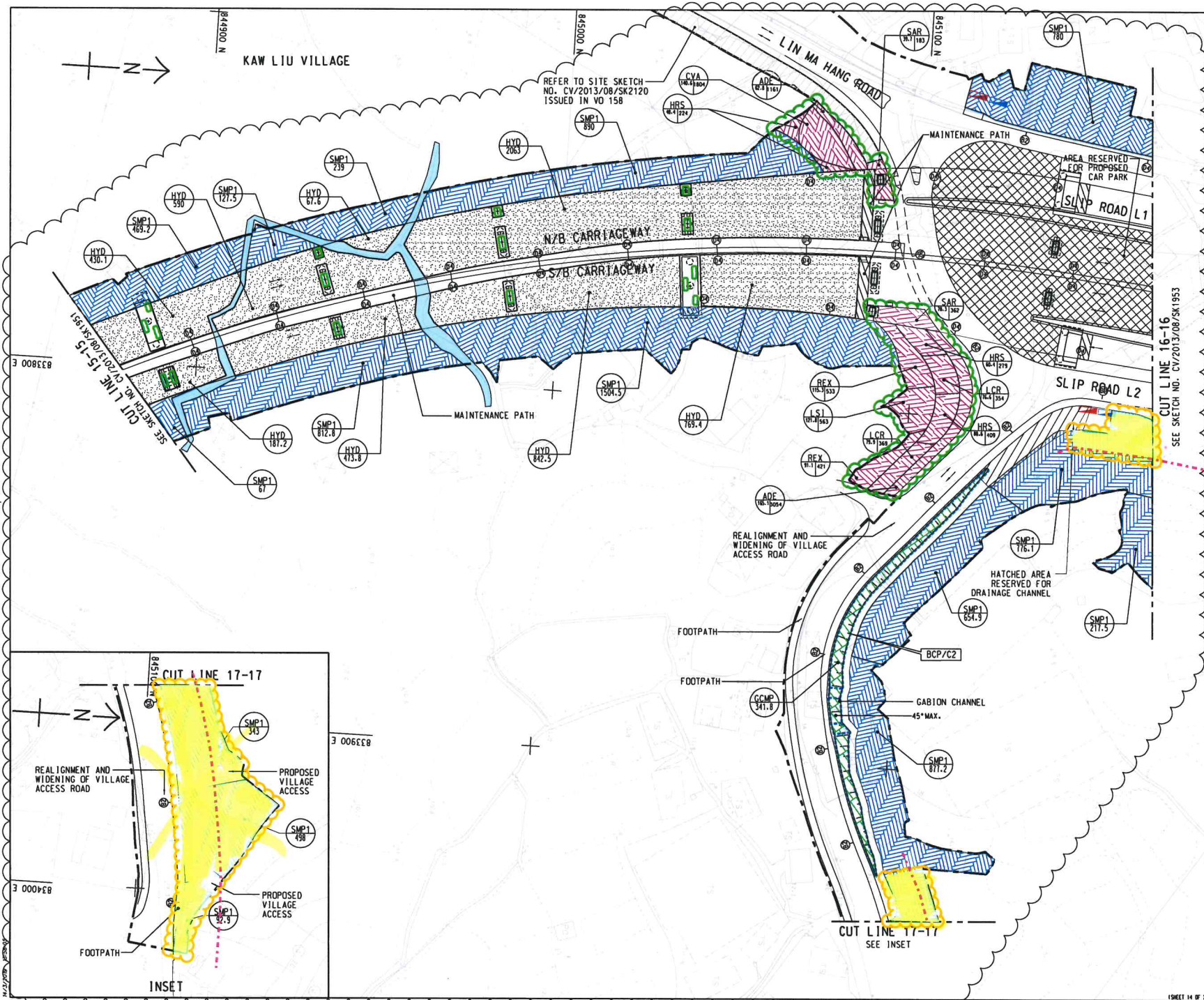
Rev.	Date	Description	Drawn	Prepared	Checked
F	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	10/01/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
D	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
C	22/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	10/01/19	ISSUE FOR CONSTRUCTION	JW	BWMS	CLSY
-	10/01/19	ISSUE FOR CONSTRUCTION	JW	BWMS	HLHS

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE: SHRUB PLANTING PLAN

SKETCH NO. CV/2013/08/SK1948F SCALE 1:1000 (A3)



- NOTE:
- FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1915.
- Proposed landscaped areas to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - Demarcation line (10m from the road kerb) - indicative only

REFERENCE:

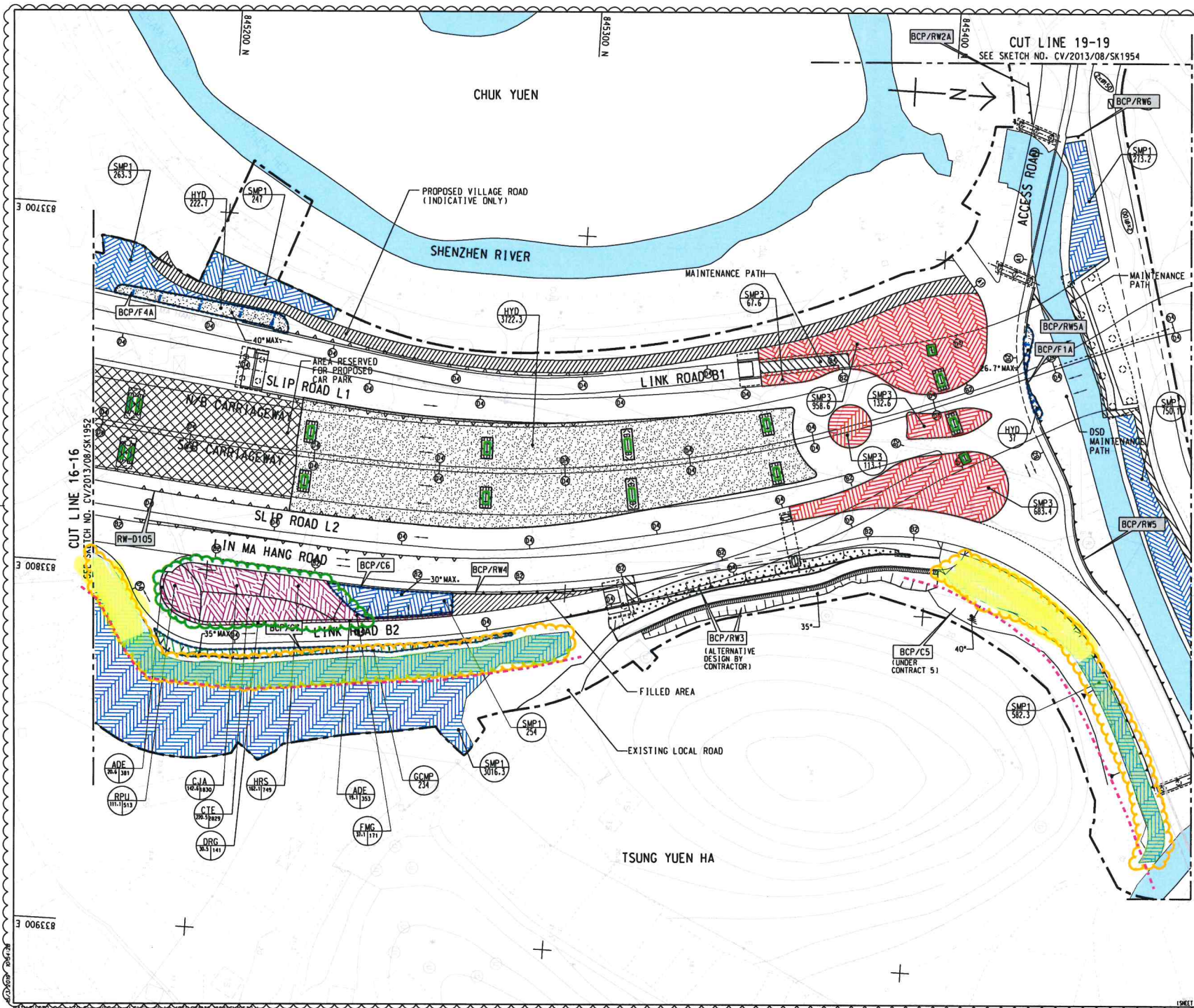
Rev.	Date	Description	Drawn	Prepared	Checked
D	10/01/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
C	02/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	04/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	15/01/19	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	15/06/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS

AECOM

CDD CONTRACT NO. CV/2013/08
LIANTANG/HUEN YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE: SHRUB PLANTING PLAN

SKETCH NO.	CV/2013/08/SK19520	SCALE	1:1000 (A3)
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NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1915.

- Proposed landscaped areas to be maintained by LCSD/NDLSO
- Landscaped areas agreed to be maintained by LCSD/NDLSO
- Landscaped areas agreed to be maintained by LCSD/NDLSO
- LCSD/NDLSO declined to take up the maintenance responsibility
- Demarcation line (10m from the road kerb) - indicative only

REFERENCE:

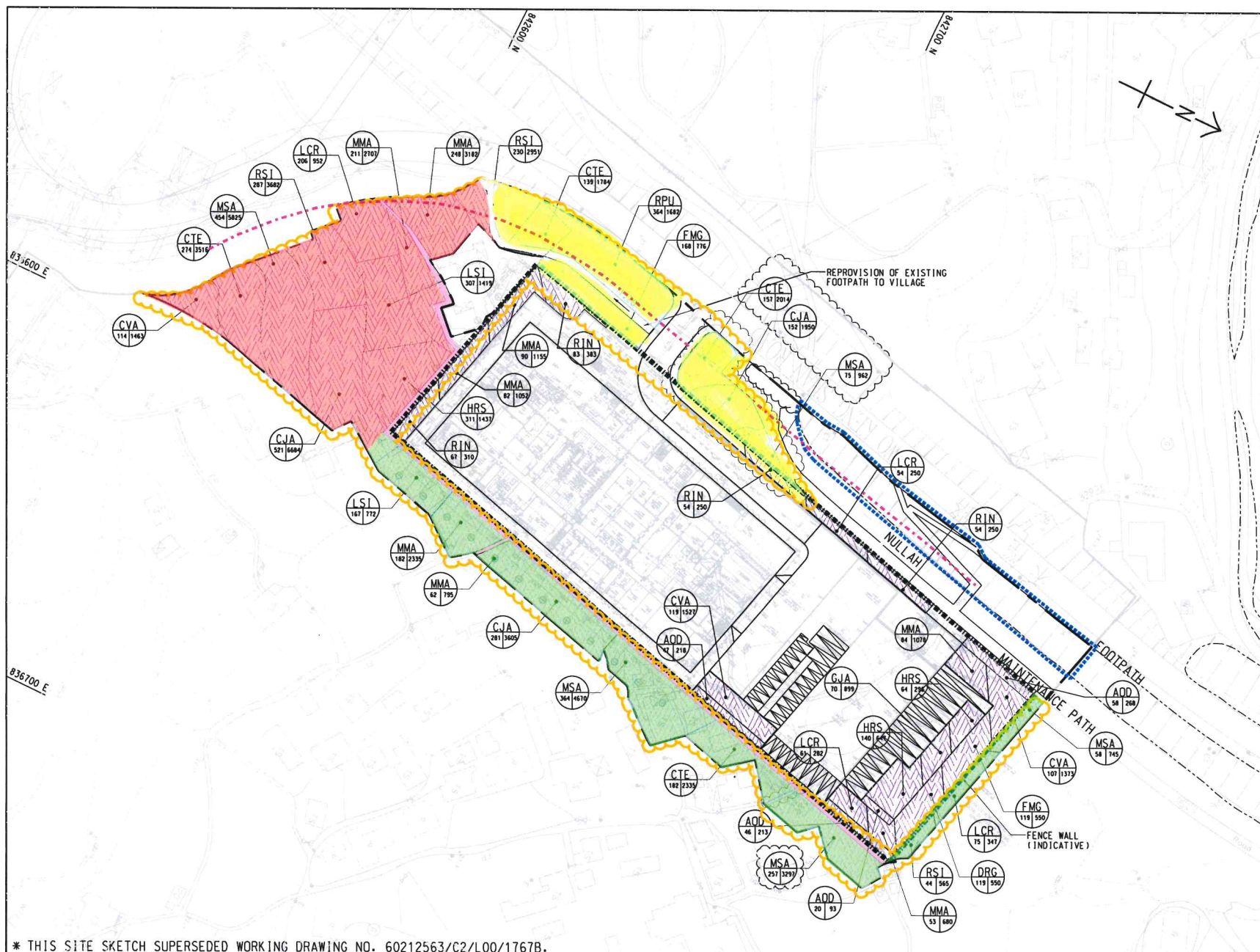
C	16/07/10	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
B	16/07/10	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	16/07/10	ISSUE FOR CONSTRUCTION	JW	BNWS	CLSY
-	16/07/11	ISSUE FOR CONSTRUCTION	JW	BNWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE:
SHRUB PLANTING PLAN

SKETCH NO. CV/2013/08/SK1953C SCALE 1:1000 (A3)



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2012/08/R10/120/1314.

Additional areas proposed to be maintained by LCSD/NDLSO

Landscaped areas agreed to be maintained by LCSD/NDLSO

LCSD/NDLSO would further advise their opinion on the maintenance responsibility

LCSD/NDLSO declined to take up the maintenance responsibility

Demarcation line (10m from the road kerb) -indicative only

* THIS SITE SKETCH SUPERSEDED WORKING DRAWING NO. 60212563/C2/L00/1767B.

AECOM

CONTRACT NO. CV/2012/08
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 2

SHRUB PLANTING PLAN (SHEET 5 OF 6)
- ADMINISTRATION BUILDING

SCALE	1:1000 ON A3	DATE	20-JUN-19
CHECKED	VL WK	DRAWN	CYK
JOB NO.	60212563/C2	SKETCH NO.	CV/2012/08/R10/120/1394
DOCUMENT REFERENCE NO.		REV	D

本署檔號
來函檔號
電話
圖文傳真

Our Ref: TD TPM/151/123/8C
Your Ref: (CV/2013/08)/C55/200/(H10017)
Tel: 3842 5892
Fax: 2519 8094

Post and Fax (2251 0698)

5 July 2019

Mr Owen NG
Senior Resident Engineer
AECOM Asia Co. Ltd.
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

Dear Mr NG,

**Proposed Maintenance Responsibility of the Soft Landscape Works in
Viaduct Planters, Ventilation Buildings and Administration Building on
Heung Yuen Wai Highway (“HYWH”)**

I refer to your letter dated 26 June 2019 on the subject.

Same as the other government tunnels, the Lung Shan Tunnel and Cheung Shan Tunnel (collectively as the “Tunnels”) are treated as “unleased/unallocated government land” (“UUGL”) which are not specifically managed by a single government department. On behalf of the Government, the **Transport Department (“TD”)** engaged a “Management, Operation and Maintenance” (“MOM”) contractor for carrying out daily operation and non-structural maintenance of the Tunnels. The TD monitors the operating performance of the MOM contractor for maintaining a safe and smooth traffic, while the management maintenance responsibilities amongst relevant government departments are stipulated in the Clause 55 and Schedule XVIII of the MOM Agreement. The draft MOM Agreement (including Schedule XVIII) had been circulated to the concerned Government departments before finalization and executed. The extract of Clause 55 and Schedule XVIII are at **Annex 1**.

In accordance with Schedule XVIII of the MOM Agreement, Civil Engineering and Development Department or agent(s) appointed by the Government is responsible for the management and maintenance of the soft landscape in Administration Building and Ventilation Building in the first year after commencement of the MOM Agreement (i.e. from 19 May 2019 to 18 May 2020), while Highways Department (Landscape Unit) is responsible for the management and maintenance of the soft landscape on open roads including the viaducts. The Clause 26 of the MOM Agreement also stipulate that, from the second year after commencement of the MOM Agreement onwards (i.e. from 19 May 2020), or at such a later date as advised by the Government, **the MOM contractor shall carry out horticultural maintenance for the vegetation areas of the Administration Building and Ventilation Buildings as set out in Schedule XXIV of the MOM Agreement** in accordance with the maintenance manual to be provided by the Government’s contractor and “Guidelines for Tree Risk Assessment and Management Arrangement” issued by the Development Bureau, with the duty of the MOM contractor as listed below:

- (a) Grass-cutting and pruning of trees and shrubs;
- (b) Watering of trees and shrubs to maintain healthy plant growth;
- (c) Undertake routine tree inspection and tree risk assessment; and
- (d) Litter picking and weeding of the lawn and plating area.

The extract of Clause 26 and Schedule XXIV are at **Annex 2**.

Moreover, you may wish to note that item 3(k) in Appendix A of the Development Bureau’s Technical Circular (Works) No. 6/2015 (the “Technical Circular”) refers to the landscape areas “along access roads or footpaths which are solely used by a department”, which should then be maintained by the user department. The viaducts are not solely used by the TD given other government departments are still responsible for pavement and lighting repairs, etc. Therefore, item 3(k) in the Technical Circular is not consider an appropriate reference in HYWH’s case.

In the light of the above, we have strong reservation to your proposal in the last paragraph on page 2 of the above-mentioned letter from your Company. You are requested to further liaise with other relevant government departments for the

vegetation maintenance responsibilities as stated in the above paragraphs, while we shall seek assistance from the Highways Department (Landscape Unit) for providing expertise advice for monitoring the MOM contractor's performance on horticultural maintenance on vegetation areas of the Administration Building and Ventilation Buildings as required in the MOM Agreement.

I hope the above clearly clarify the views of the TD on this issue. Should you need further clarification, please contact the undersigned at 3842 5892.

Yours faithfully,



(YEUNG Lok-man, Icarus)
for Commissioner for Transport

c.c.

External

Director of Civil Engineering and Development

(Attn: Mr Steve C F LO) - By fax: 3547 1659

Director of Highways

(Attn: Mr Bryan Y F CHONG) - By fax: 3526 0154

(Attn: Ms Sandy T F CHAN) - By fax: 2310 8438

Internal

CMP }

CTM2 } Please note in file

TTM8 }

E/IP1 - By fax: 2381 3799

Annex 1

Extract of Clause 55 and Schedule XVIII of MOM Agreement of the Tunnels

55. Management and Maintenance Responsibilities

55.1 Subject to and without prejudice to and without limiting the obligations of the Operator under this Agreement, unless otherwise provided in this Agreement, the Government shall take up the maintenance of the Tunnel Structures, roads, lightings, installations, facilities, appliances, drains, mains and water pipes (except the water mains, hydrant outlets and sprinkler heads, etc. which form part of the fire services installation of the Tunnels, which will be maintained by the Operator) within the Tunnels in accordance with Schedule XVIII subject to the prompt report to the Government of any defect and want of repair by the Operator under Clauses 55.2 and 55.5.

55.2 Without prejudice to Schedules II and III, the Operator shall carry out regular inspections of the Tunnels including Tunnel Structures, roads, lightings, installations, facilities, appliances, systems, hard and soft landscape, drains, mains, water pipes and fire hydrants mentioned in Schedule XVIII from time to time to ascertain the state of repair and condition of the same, and to report promptly in writing any material defect or want of repair to the Government Departments or agencies responsible for remedying or repairing the same as set out in Schedule XVIII.

55.3 Upon request by the Highways Department or Architectural Services Department, the Operator shall submit the inspection programme and inspection method to the respective departments for approval within such timeframe as may be determined by the departments from time to time.

55.4 In the event of any repair or maintenance work under the responsibility of the Government being necessitated by the negligence of or misuse by the Operator, its employees, its servant or agent or sub-contractors, the Operator shall pay to the Government all costs of such maintenance or repair works plus an administrative charge incurred by the Government.

55.5 In the event of any property damage caused to the Tunnel Structures, roads, lightings, installations, facilities, appliances, drains, mains, water pipes and fire hydrants within the Tunnels as listed in Schedule XVIII, by traffic accident or other causes, the Operator shall immediately report the accident to the Commissioner and Commissioner of Police. The Operator shall use its reasonable endeavour to assist the Government to recover the cost of repair from the responsible party when necessary. For the avoidance of doubt, the Government's obligations to carry out any repair or remedy works of the Tunnels under this Agreement shall not arise unless and until the Government receives written notifications of any defect or need of repair from the Operator.

55.6 The Operator shall coordinate and make appropriate traffic or other arrangements with and for the Government departments and agencies specified in Schedule XVIII to ensure that any necessary repair, maintenance and servicing works falling within their respective scope of responsibilities are carried out with the least disruption or inconvenience to the efficient passage of vehicular traffic within the Tunnel Area.

Schedule XVIII

Government's Maintenance Responsibilities

Item of Work	Responsible Government Department
A. Civil Works	
1. General maintenance of the Tunnels (civil works) and structure of Tunnel tubes (e.g. concrete lining for bored tunnels, box structure for cut-and-cover tunnels) including all associated substructures such as piling	Highways Department (NT Region)
2. General maintenance of Government-owned highway structures, including but not limited to roads, viaducts, footpath, paved area, noise barrier, drains and standard signs, gantry signs and road markings not included in Schedules II, III and VII	Highways Department (NT Region)
3. Drainage and sewerage facilities (including sewage mains and stormwater mains inside tunnel tubes)	Drainage Services Department / Highways Department
4. Civil provision for TCSS and CCTV system (including high mast footing, pole base, underground cable ducting and cable draw pits, etc.)	Highways Department (NT Region)
B. Public Lighting	
1. Road lighting and street lighting excluding the lighting mentioned in Schedules II, III and VII	Highways Department (Lighting Division)
C. Buildings and Structures (Including structural maintenance, civil works and painting)	
1. Administration Building	Architectural Services Department or agents appointed by the Government
2. Ventilation Buildings	Highways Department (NT Region)
3. Portal structures (e.g. control kiosks)	Highways Department (NT Region)
4. Fuel attendance office adjacent to the Administration Building	Architectural Services Department or agents appointed by the Government
5. Canopy of parking area adjacent to the Administration Building	Architectural Services Department or agents appointed by the Government

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Item of Work	Responsible Government Department
6. Security fence or boundary wall of Ventilation Buildings	Highways Department (NT Region)
7. Boundary wall of Administration Building	Architectural Services Department or agents appointed by the Government
D. Fire mains and Fire Hydrants	
1. On roads and viaducts of open area	Highways Department (NT Region) / Water Services Department
E. Water mains	
1. Within the Tunnel Area (except Administration Buildings)	Highways Department (NT Region) / Water Services Department
2. Within Administration Building	Architectural Services Department or agents appointed by the Government
F. Cleansing	
1. Road drains and culverts	Highways Department (NT Region)
2. Road surface on roads and viaducts of open area	Highways Department (NT Region)
G. Building Services Installations	
1. Exclusive drainage, sewerage and water supply system (except fire service system) of the Administration Building, fuel attendance office and carpark canopy structures including pipes and manholes (excluding cleansing)	Architectural Services Department or agents appointed by the Government
2. Drainage systems in open area, exclusive drainage and sewage systems (including sewage holding tanks, sewage manholes and associated pipes at ground levels within building) of the buildings (other than Administration Building) (excluding cleansing)	Highways Department (NT Region)
H. Miscellaneous	
1. Hard landscape (e.g. planters) on roads and viaducts of open area	Highways Department (NT Region)

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Item of Work	Responsible Government Department
2. Soft landscape on open roads including viaducts	Highways Department (Landscape Unit)
3. Soft landscape in the Administration Building and Ventilation Buildings (First Contract Year)	Civil Engineering and Development Department or agents appointed by the Government
4. Exclusive Police Communication System	Hong Kong Police Force

Annex 2

Extract of Clause 26 and Schedule XXIV of MOM Agreement of the Tunnels

26. Horticultural Maintenance

26.1 From the second (2nd) Contract Year onwards or at such a later date as advised by the Government, the Operator shall carry out horticultural maintenance for the vegetation areas of the Administration Building and Ventilation Buildings as set out in Schedule XXIV in accordance with the maintenance manual to be provided by the Government's contractor and "Guidelines for Tree Risk Assessment & Management Arrangement" issued by Development Bureau. The areas of vegetation in Schedule XXIV shall be verified and updated jointly by the Government and the Operator prior to the Commencement Date. The duty will generally include:

- (a) grass-cutting and pruning of trees and shrubs;
- (b) watering of trees and shrubs to maintain healthy plant growth;
- (c) undertake routine tree inspection and tree risk assessment; and
- (d) litter picking and weeding of the lawn and planting area.

26.2 Should the Operator fail to effect any horticultural maintenance works in accordance with this Clause, the Government may engage its workmen, other contractors or agents to execute such maintenance works. The Operator shall pay the Government within seven (7) days of the first written demand of the Government, the costs of performing such maintenance works plus an administrative charge incurred by the Government.

Schedule XXIV

Vegetation Areas of the Administration Building and Ventilation Buildings

Location		Vegetation Areas (m ²)							Total
		G/F	1/F	2/F	3/F	4/F	5/F	Roof Floor	
Administration Building		1,483	105.2	--	--	--	--	1,756.6	3,344.8
Lung Shan Tunnel	South Ventilation Building	--	--	442.1	35.4	19.6	14.4	341.1	852.6
	Mid Ventilation Building	--	--	123.3	79.5	--	--	622.3	825.1
	North Ventilation Building	--	--	468.8	24.2	24.2	22.2	517.1	1,056.5
Cheung Shan Tunnel	South Ventilation Building	--	--	445.4	52.1	5.4	5.4	557.8	1,066.1
	North Ventilation Building	--	--	445.4	52.1	5.4	5.4	557.8	1,066.1

The areas of vegetation indicated in this Schedule are to be verified and updated jointly by relevant Government Departments and the Operator during the handover of the vegetation areas of Administration Building and the ventilation buildings.

Urgent by Fax

MEMO


From	CLA, Landscape Division, HyD	To	CE/N(SD5), NDO, CEDD
Ref.	(6PLR) in HyD LSC/14-7/10/2	(Attn. :)	Mr. Joe YIP / Mr. P. Y. YU / Mr. Steve LO / Mr. Albert LAM
Tel. No.	3903 6658	Your Ref.	
Fax. No.	2310 8438	Dated	
Email.	ladnte.lsc@hyd.gov.hk	Fax No.	3547 1659
Date	16 April 2020	Total Pages	1

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction

Contract No. CV/2013/08 Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Revised Soft Landscape Works Proposal to be Handed Over to Landscape Division of
Highways Department (LD/HyD) for Future Maintenance

I refer to the submission under the Consultant – AECOM Asia Co. Ltd.'s letter
ref. PWKL:cfwl:60212563/C6/C55/200-2020002433W dated 20.3.2020 (received on
25.3.2020). Please note that I have no comment from the highways landscape and vegetation
maintenance point of view.


(CHAN Tai-fung Sandy)
for Chief Landscape Architect
Landscape Division, Highways Department

cc NT Region, HyD Attn.: Mr. Bryan CHONG Fax: 2714 5228
AECOM Attn.: Mr. Pat LAM Fax: 3922 9797
ER(CV/2013/08)

Internal
SLA/VM(S) LA/VM(NTE) ALO/VM(NTE) via EDMS


K/S/SC/sc

HIGHWAYS DEPARTMENT
NEW TERRITORIES REGION
 Units 1708 - 13, The Harbourfront Tower 1,
 18 - 22 Tak Fung Street, Hung Hom, Kowloon, Hong Kong
 Web Site : <http://www.hyd.gov.hk>

By Fax
 2251 0698

Correspondence 26
 (Page 1 of 1)

九龍
 海濱廣場一座 17 樓 1708 - 13 室
 網址 : <http://www.hyd.gov.hk>

[13Q4W]

本署檔號 Our Ref.: (13SQ0) in HyD NT/12-2/1/17-CB
 來函檔號 Your Ref.: (CV/2013/08)/C55/200/(H09342)
 電話 Tel. No.: 3526 0053
 圖文傳真 Fax No.: 3526 0154

20 March 2019

AECOM
 8/F, Grand Central Plaza, Tower 2,
 138 Shatin Rural Committee Road,
 Shatin, N.T., Hong Kong.
 (Attn.: Mr. Simon LEUNG)

Dear Sirs,

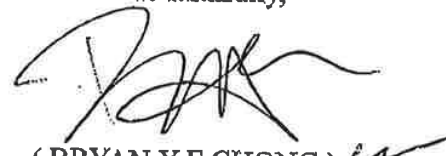
Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 6

**Revised Landscape Treatment for New Slope Features Nos. CSTNP/C1, CSTSTP/C1,
 WKS/C1, WKS/C2, WKS/C3 and WKS/C5**

I refer to above-quoted letter of 27.2.2019 (received by us on 7.3.2019) enclosing the captioned.

I have no comments on the revised landscape treatment.

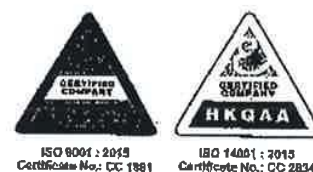
Yours faithfully,


 (BRYAN Y F CHONG)
 for Principle Project Coordinator / Cross Boundary
 Highways Department

c.c.
 CE/N1/NDO, CEDD
 AECOM
 CLA/LD/HQ, HyD

(Attn.: Mr. Steve LO)
 (Attn.: Mr. Francis LEONG)
 (Attn.: Ms. Sandy CHAN)

Fax No. 3547 1659
 Fax No. 3922 9797
 Fax No. 2310 8438



HIGHWAYS DEPARTMENT
NEW TERRITORIES REGION
 Units 1708 - 13, The Harbourfront Tower 1,
 18 - 22 Tak Fung Street, Hung Hom, Kowloon, Hong Kong
 Web Site : <http://www.hyd.gov.hk>

By Fax
 2251 0698

Correspondence 27
 (Page 1 of 1)

九龍紅磡德輔道 18 - 22 號
 海濱廣場一座 17 樓 1708 - 13 室
 網址 : <http://www.hyd.gov.hk>

[144Y1]

本署檔號 Our Ref.: (14CL3) in HyD NT/12-2/1/17-CB
 來函檔號 Your Ref.: (CV/2013/08)/C55/200/(H09728)
 電話 Tel. No.: 3526 0053
 圖文傳真 Fax No.: 3526 0154

25 June 2019

AECOM
 8/F, Grand Central Plaza, Tower 2,
 138 Shatin Rural Committee Road,
 Shatin, N.T., Hong Kong.
 (Attn.: Mr. Owen NG)

Dear Sirs,

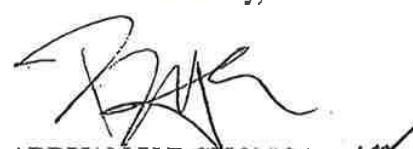
Contract No. CV/2013/08
Liantang/Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 6

Revised Landscape Treatment for New Slope Feature No. WKS/C5

I refer to above-quoted letter of 7.5.2019 (received by us on 20.5.2019) enclosing the captioned.

I have no further comments on the captioned.

Yours faithfully,


 (BRYAN Y F CHONG)
 for Principle Project Coordinator / Cross Boundary
 Highways Department

c.c.
 CE/N(SD1)/NDO, CEDD (Attn.: Mr. Steve LO)
 CLA/LD/HQ, HyD (Attn.: Ms. Sandy CHAN)
 AECOM (Attn.: Mr. Francis LEONG)

Fax No. 3547 1659
 Fax No. 2310 8438
 Fax No. 3922 9797





HIGHWAYS DEPARTMENT
NEW TERRITORIES REGION
 Units 1708 - 13, The Harbourfront Tower 1,
 18 - 22 Tak Fung Street, Hung Hom, Kowloon, Hong Kong
 Web Site : <http://www.hyd.gov.hk>

By Fax
 3922 9797

Correspondence 28
 (Page 1 of 1)

九龍紅磡德輔道中 18 - 22 號
 海濱廣場一座 17 樓 1708 - 13 室
 網址 : <http://www.hyd.gov.hk>

(15X09)

本署檔號 Our Ref.: (16423) in HyD NT/12-2/1/17-CB
 來函檔號 Your Ref.: PWKL:cflw:60212563/C6/C55/200-2020002433W
 電話 Tel. No.: 3526 0053
 圖文傳真 Fax No.: 3526 0154

12 May 2020

AECOM
 8/F, Grand Central Plaza, Tower 2,
 138 Shatin Rural Committee Road,
 Shatin, N.T., Hong Kong.
 (Attn.: Mr. Alan HO)

Dear Sirs,

Agreement No. CE 38/2010(CE)
Liantang / Heung Yuen Wai Boundary Control Point and associated works
(Site Formation and Infrastructures) - Design and Construction

Contract No. CV/2013/08
Liantang/ Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 6

Revised Soft Landscape Works Proposal to be Handed Over to Landscape Division of
Highways Department (LD/HyD) for Future Maintenance

I refer to above-quoted letter of 20.3.2020 (received by us on 27.3.2020) enclosing the captioned.

I have no comment on the soft landscape proposal from highways maintenance perspective.

Yours faithfully,

(BRYAN Y F CHONG)
 for Chief Highway Engineer / SS (NT)
 Highways Department

c.c.
 CE/N(SD5)/NDO, CEDD (Attn.: Mr. Steve LO)
 AECOM (Attn.: Mr. Francis LEONG)
 CLA/LD, HyD (Attn.: Ms. Sandy CHAN)

Fax No. 3547 1659
 Fax No. 3922 9797
 Fax No. 2310 8438

ER(CV/2013/08)



HIGHWAYS DEPARTMENT
NEW TERRITORIES REGION
 Units 1708 - 13, The Harbourfront Tower 1,
 18 - 22 Tak Fung Street, Hung Hom, Kowloon, Hong Kong
 Web Site : <http://www.hyd.gov.hk>

By Fax
 2251 0698

Correspondence 29
 (Page 1 of 1)

九龍紅磡德輔道中 18 - 22 號
 海濱廣場一座 17 樓 1708 - 13 室
 網址 : <http://www.hyd.gov.hk>

[12WZ8]

本署檔號 Our Ref.: (132DU) in HyD NT/12-2/1/17-CB
 來函檔號 Your Ref.: (CV/2013/08)/M15/940/(H08435)
 電話 Tel. No.: 3526 0053
 圖文傳真 Fax No.: 3526 0154

15 November 2018

AECOM
 8/F, Grand Central Plaza, Tower 2,
 138 Shatin Rural Committee Road,
 Shatin, N.T., Hong Kong.
 (Attn.: Mr. Simon LEUNG)

Dear Sirs,

Contract No. CV/2013/08
Liantang/ Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works- Contract 6

Cost Saving Design Proposal for Feature BCP/RW3

I refer to above-quoted letter of 15.10.2018 (received by us on 22.10.2018) enclosing some updated drawings.

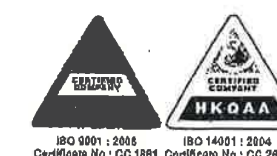
I have no comments on the updated drawings from maintenance perspective. You are reminded that the proposed access road and the 35° slope and mass concrete wall east of the access road will not be under HyD's jurisdiction.

Yours faithfully,

(BRYAN Y F CHONG)
 for Principle Project Coordinator / Cross Boundary
 Highways Department

c.c.
 CE/N1/NDO, CEDD (Attn.: Mr. Steve LO)
 AECOM (Attn.: Mr. Francis LEONG)
 SGeoE/GA2, GAU, HyD (Attn.: Mr. Damen WONG)

Fax No. 3547 1659
 Fax No. 3922 9797
 Fax No. 2714 5216



From: [Karen KC NG](#)
To: [WONG Tin Lok, Clement](#)
Cc: [Angel LAU \(angellau@lcsd.gov.hk\)](#); [LEUNG Siu Yin, Carol](#); [Kay HK TSANG \(khktsang@lcsd.gov.hk\)](#); [Ray YW CHENG \(rywcheng@lcsd.gov.hk\)](#); [SZE Siu Ching, Sandy](#); [NGO Tsz Kei, Twiggy](#); [WONG Wai Ting, Wen](#)
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 2/2)
Date: Thursday, January 16, 2020 7:20:58 PM
Attachments: [Attachment 1.pdf](#)
[Attachment 2.pdf](#)

Dear Clement,

We have no further comment. Please proceed.

Regards,
Karen KC NG
DDL(M)2/LCSD
Tel: 2679 2833

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: "Karen KC NG (kkcng@lcsd.gov.hk)" <kkcng@lcsd.gov.hk>
Cc: "Kay HK TSANG (khktsang@lcsd.gov.hk)" <khktsang@lcsd.gov.hk>, "Ray YW CHENG (rywcheng@lcsd.gov.hk)" <rywcheng@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "WONG Wai Ting, Wen" <wen.wong@lt-aecom.com>, "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>
Date: 08/01/2020 09:24
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 2/2)

Dear Ms. Ng,

Referring to our email dated 10 October 2019 below, some landscaped areas under CV/2013/08 Contract 6 were agreed to be maintained by NDLSO/LCSD in previous submission (clouded in **dark green**). Among these landscaped areas, the layout along the realigned Lin Ma Hang Road (i.e. Sketch Nos. SK0588A and SK0589A; see **Attachment 1**) had been significantly changed. Therefore, we would like to provide herewith the updated shrub planting plans (see **Attachment 2**) for your reference. If you have no comment, we will proceed with the planting works accordingly.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Thursday, October 10, 2019 5:25 PM
To: Karen KC NG ([kkcng@lcsd.gov.hk](#))
Cc: Kay HK TSANG ([khktsang@lcsd.gov.hk](#)); Ray YW CHENG ([rywcheng@lcsd.gov.hk](#)); Lo Chi Fai, Steve ([stevelo@cedd.gov.hk](#)); Lam Shu, Albert ([albertlam@cedd.gov.hk](#)); LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; SZE Siu Ching, Sandy ([sandy.sze@lt-aecom.com](#)); TAM Tsz Him, Ray; 'sauhanlam@lcsd.gov.hk'; Angel LAU ([angellau@lcsd.gov.hk](#))

Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 2/2)

Dear Ms. Ng,

Further to our email below, please find part 2 of the drawings in the attachment for your perusal.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Thursday, October 10, 2019 5:19 PM
To: Karen KC NG ([kkcng@lcsd.gov.hk](#))
Cc: Kay HK TSANG ([khktsang@lcsd.gov.hk](#)); Ray YW CHENG ([rywcheng@lcsd.gov.hk](#)); Lo Chi Fai, Steve ([stevelo@cedd.gov.hk](#)); Lam Shu, Albert ([albertlam@cedd.gov.hk](#)); LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; SZE Siu Ching, Sandy ([sandy.sze@lt-aecom.com](#)); TAM Tsz Him, Ray; 'sauhanlam@lcsd.gov.hk'; Angel LAU ([angellau@lcsd.gov.hk](#))
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 1/2)

Dear Ms. Ng,

Thank you for joining the site inspection on 9 October 2019 for the additional planting areas proposed to be maintained by LCSD (**clouded** in **mustard**) . Please find the following salient points and a set of drawings (**to be sent in 2 separate emails**) for your review:-

- LCSD/NDLSO agreed to take up the maintenance of certain additional planting areas, where are **highlighted** in light blue.
- LCSD/NDLSO would reconsider taking up the maintenance responsibility of vegetation on UUGLs adjacent to Administration Building and near Nga Yiu Ha (see **highlighted** in crimson).
- LCSD/NDLSO reiterated all planting area handed over to LCSD, shall meet the following criteria:-
 - the planting areas would be "landscaped" in accordance with item 6(vii) of DEVB TCW No. 6/2015.
 - water points would be provided and properly maintained by a maintenance agent other than LCSD; and
 - the planting areas would be clearly delineated.
- LCSD/NDLSO also pointed out that they would **not** take up the maintenance responsibility of the shrubs in some controversial planting areas (see **highlighted** in light green); typical cases include:-
 - where there is significant level difference between the planting areas and the adjacent footpath, inducing low/nil amenity value to the public;
 - planting areas behind HyD slopes; and
 - planting areas along footpath within village environs.
- LCSD/NDLSO opined that these UUGLs should be maintained by LandsD after reinstatement. The unresolved maintenance responsibility of such areas (including trees and shrubs) shall be further discussed with LandsD in due course.
- Trees and planting areas proposed to be maintained by LCSD are summarized as follows



康樂及文化事務署

Leisure and Cultural Services Department

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(Page 1 of 1)Correspondence 30
(Page 3 of 3)

Proposed to be Maintained by LCSD*	New Trees (nr.)^	Planting areas (sq.m)
Already agreed in previous submissions (clouded in green)	550	approx. 149,216
Additional planting areas agreed on site for this submission (highlighted in light blue)	110	approx. 3,705
Total	660	152,921
Pending further advice (highlighted in crimson)	132	3,390
Additional planting areas declined by LCSD (highlighted in light green)	189	7,594
Remarks: *excluding new trees and planting areas along realigned Lin Ma Hang Road and at Chuk Yuen Village Resite Area. ^excluding retained and transplanted trees		

Due to the tight programme of this Project, your reply by 18 October 2019 is highly appreciated. Should you require further information, please feel free to contact our Senior Landscape Architect, Ms. Carol Leung, at 2171 3405 or Field Officer I, Mr. Clement Wong at 2171 3437.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

電話 TEL: 2601 8681
圖文傳真 FAX NO: 2695 3886
本署檔號 OUR REF: () in LCS 1/HQ 715/11(3) Pt.13
來函檔號 YOUR REF: (CV/2013/08)/C55/200/(H10319)

(Fax: 2251 0698)

3 October 2019

AECOM
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road,
Shatin, Hong Kong
(Attn.: Owen Ng)

Dear Mr. NG,

Contract No. CV/2013/08
Liantang/ Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Responses to LCSD's Comments – Submission of Detail Design Drawing Package for the
Wo Keng Shan Garden Re-provision

I refer to your letter dated 9 September 2019, please note that LCSD has no further comment.

Yours sincerely,

(Ms Chris LAU)
for Director of Leisure & Cultural Services

c.c.
Internal - ADLM(N)3
CEDD – Attn: Mr. Joe Yip/ Mr. Steve Lo (Fax: 3547 1659)



AECOM
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong
香港新界沙田鄉事會路 138 號新城
市中央廣場第 2 座 8 樓
www.aecom.com

+852 2251
+852 2251

Correspondence 32
(Page 1 of 3)

Correspondence 32
(Page 2 of 3)

Your Ref : (11) in ASD.PB UB-042-00392-000 III
Our Ref : (CV/2013/08)/C55/200/(H10353)

16 September 2019

Architectural Services Department
Property Services Branch
Division 3
North Group
8/F, Main Block, APB Centre,
No. 9 Sung Ping Street,
Hung Hom

Attn: Ms. Maggie Chu

Dear Madam,

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

**Responses to ArchSD's Comments – Submission of Detail Design Drawing Package for the
Wo Keng Shan Garden Re-provision**

I refer to your above reference letter dated 2 September 2019 provided comments on the captioned submission, I enclose herewith a table of "Response to Comments" for your approval.

Should you require further information, please contact my Senior Resident Landscape Architect – Ms. Carol Leung, at Tel. No. 2171 3405.

Yours faithfully,


Owen Ng
Senior Resident Engineer
AECOM Asia Co. Ltd.

Encl.

c.c.	CEDD/NDO	–	Attn: Mr. Joe Yip / Mr. Steve Lo
	FEHD	–	Attn: Mr. Oliver Wong
	EMSD	–	Attn: Mr. C.F. Chow / Mr. K.W. Leung
	AECOM	–	Attn: Mr. Francis Leong / Mr. Pat Lam

CTW/ON/CLS/Y/BL/PW/PS/JCMY/VLWK/elyh

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Submission of Detail Design Drawing Package for the Wo Keng Shan Garden Re-provision

Responses to Comments

Comments Received

Date Received

1. Architectural Services Department / Property Services Branch

2 September 2019

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Submission of Detail Design Drawing Package for the Wo Keng Shan Garden Re-provision

Responses to Comments

<u>No.</u>	<u>Comments</u>	<u>Responses</u>
1.	Ref. (11) in ASD.PB UB-042-00392-000 III dated 2 September 2019	
	I refer to your above quoted letter dated 9 August 2019 we received on 15 August 2019 regarding the captioned.	
	Please be advised that this office, as the maintenance agent for the subject venue under management of Leisure and Cultural Services Department (LCSD), has general comments below from building maintenance point of view:	
	(a) The seating benches shall be fixed in robust manner to withstand the weathering actions during normal usage;	Noted.
	(b) Bimetallic corrosion shall be avoided due to direct contact of different metals;	Noted.
	(c) The recycled plastic strips of seating bench shall be adequately supported by this metallic structure underneath;	Noted.
	(d) Anchor bolts/screws for fixing the seating to the solid ground shall be point welded against burglary action.	Noted.
	You are also advised to consult LCSD directly regarding the position and model of the proposed seating benches.	Noted.
	Please note that the above should not be treated as exhaustive and it should be your responsibility to ensure the design and construction complies with the statutory requirements in force. Should you have any queries, please feel free to contact the undersigned at 2773-2371.	Noted.

From: [Sau Han LAM](#)
To: [WONG Tin Lok, Clement](#)
Cc: [Angel LAU \(angellau@lcsd.gov.hk\)](#); [CH YIP \(chyip@lcsd.gov.hk\)](#); [CHEUNG Chi Wing, Eric](#); [LEE Ka Tung, Kelvin](#); [SZE Siu Ching, Sandy](#); ["ycluk@cedd.gov.hk"](#); [Ray YW CHENG](#); [KC CHAN](#); [LEUNG Siu Yin, Carol](#); ["asung@lcsd.gov.hk"](#); [Kay HK TSANG](#); [Jessica LL CHOY](#)
Subject: RE: Follow-up Actions after Joint Site Inspection on 29 January 2019 for the Realigned Lin Ma Hang Road and Chuk Yuen Village
Date: Friday, March 22, 2019 10:27:51 AM

Dear Ms. WONG,

Please also follow-up our comments as highlighted in red at your email dated 2.2.2019 as enclosed below.

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

----- Forwarded by Sau Han LAM/LCSD/HKSARG on 22/03/2019 10:15 -----

From: Sau Han LAM/LCSD/HKSARG
To: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>
Cc: "Kay HK TSANG (khktsang@lcsd.gov.hk)" <khktsang@lcsd.gov.hk>, "chyip@lcsd.gov.hk" <chyip@lcsd.gov.hk>, "asung@lcsd.gov.hk" <asung@lcsd.gov.hk>, "ycluk@cedd.gov.hk" <ycluk@cedd.gov.hk>, Chan Tze Ming <michaeltmchan@cedd.gov.hk>, "LEUNG Chi Man, Simon" <simon.leung@lt-aecom.com>, "LEE Ka Tung, Kelvin" <kelvin.lee@lt-aecom.com>, "CHEUNG Chi Wing, Eric" <eric.cheung@lt-aecom.com>, Jessica LL CHOY/LCSD/HKSARG@LCSD
Date: 13/02/2019 18:42
Subject: Follow-up Actions after Joint Site Inspection on 29 January 2019 for the Realigned Lin Ma Hang Road and Chuk Yuen Village

Dear Ms. LEUNG,

I refer to our joint site meeting on 29.1.2019 and our comments are added at your email below.

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

----- Forwarded by Anita SUNG/LCSD/HKSARG on 04/02/2019 18:51 -----

From: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>
To: "Kay HK TSANG (khktsang@lcsd.gov.hk)" <khktsang@lcsd.gov.hk>, "chyip@lcsd.gov.hk" <chyip@lcsd.gov.hk>, "asung@lcsd.gov.hk" <asung@lcsd.gov.hk>
Cc: "ycluk@cedd.gov.hk" <ycluk@cedd.gov.hk>, Chan Tze Ming <michaeltmchan@cedd.gov.hk>, "LEUNG Chi Man, Simon" <simon.leung@lt-aecom.com>, "LEE Ka Tung, Kelvin" <kelvin.lee@lt-aecom.com>, "CHEUNG Chi Wing, Eric" <eric.cheung@lt-aecom.com>
Date: 02/02/2019 11:53
Subject: FW: Follow-up Actions after Joint Site Inspection on 29 January 2019 for the Realigned Lin Ma Hang Road and Chuk Yuen Village

Dear Ms Sung, Ms Tsang and Mr. Yip,
Thank you for your time spending on the pre-handover inspection for the Realigned Lin Ma Hang Road and Chuk Yuen Village on 29 January 2019 and all your valuable comments are noted. We may like to provide here the notes of pre-hand over inspection for your review:

General comments:

I For The Realigned Lin Ma Hang Road

A. From New Territories North Tree Team (NTNTT)

1. Remove all weeds and invasive trees (i.e. *Leucaena leucocephala*) growing on the verge that adjacent to the planting area, in order to avoid dispersal of weeds.
2. Replace all defective trees that with no signs of recovery and/or survival as observed in the coming blooming season(i.e. in spring)
3. Lift up the trees which are planted too deep. All the root flare shall be visible after up-lifting.
4. Install proper tree staking.
5. Adjust the tree ties regularly.
6. Closely monitor the growth of trees canopy and provide proper pruning when necessary. The potential conflict between the tree canopy and the traffic shall be avoided.
7. The trees should meet the specification and standard of heavy standard trees.
8. The trees should be planted in proper spacing and avoid growing too close to the concrete area with sufficient spacing for future growth.
9. The trees should not be planted at the bottom of slope that may have flooding problem after heavy rainfall.

B. From North District Leisure Services Office (NDLSO)

1. Remove the self-seeded *Lagerstroemia indica* at the planter in front of the Ta Kwu Ling Police Station.
2. Clear all weeds and debris stocked pile at the planting beds.
3. Fix the loosen irrigation point casing. Details to be provided by AECOM after the CNY.
4. Provide label for all irrigation points. NDLSO will provide reference photo of the labels for AECOM's follow up actions.
5. To install E1 kerbs at 100mm (h) all along the U-channel(i.e total 906 LM), in order to stop the soil mix washing away from planting bed and block u-channels
6. Remove the excessive soil that was spilt over the planting beds.
7. Remove stones exceeding 25mm (dia.)

8. Remove all remaining tree stumps.
9. Replace the aged *Cordyline terminalis* (CTE) and *Loropetalum chinense* var. *rubrum*(LCR), in order to secure the uniformity of shrub appearance on the final handover date.
10. Install E1 kerbs to demarcate the paved area (e.g. run-in/out, slab with fire hydrant, etc.) and the planting beds.

II For Chuk Yuen Village

1. Install plastic lattice at 450mm(H) at the planting are along the side attaching to the footpath.

Other comments

1. Areas excluded from this Pre-handover Inspections

All noted that a portion of planting areas (opposite the Ta Kwu Ling Police Station) were disturbed by the utilities authorities (i.e. CLP and WSD), and the planting works near the Tai Kwu Ling RCP were not completed. AECOM agreed to liaise with utilities authorities for the completion date of their minor works that interfered the plantings; and subsequently instruct the Contractor to rectify the damaged shrubs and complete the outstanding planting works. As such, LCSD agreed that the inspection for these two portions of planting area shall be suspended. AECOM should re-arrange and other pre-handover inspection in due course.

2. Planting Area Not to be Handed Over to LCSD

AECOM reported that some portions of planting area right next to the run-in-out of private lands, were persistently damaged by heavy loading trucks. And therefore suggested to omit the disturbed planting area and not handover them to LCSD, these areas would be hard paved and the maintenance authority would be further identified.

3. Defect Rectification Program

All noted that the landscape sub-contractor would carry out the defect rectification works after the CNY public holiday, and it was scheduled to be completed in 3 weeks' time. The Final hand over inspection was scheduled in early March 2019, and the actual date is to be confirmed.

4. Outstanding Works to be Executed During the Establishment Period (Post meeting discussion)

All noted that there was a new requirement of installing 906LM kerb along the U-Channel. In view of the extensiveness of the works and the long procurement and installation time, ACEOM suggested to LCSD that, the contractor would first install some kerbs to serve as mock up sample for the final inspection. And they would complete all kerbs installation during the establishment period, in order not to delay the commencement of Establishment Period. LCSD's comment was awaited.

5. Commencement of Establishment Period (EP) (Post Meeting Discussion)

LCSD agreed that it was not necessary to commence the Establishment Period of Chuk Yuen Village planting area and The Realigned Lin Ma Hang Road on the same date. But the contractor shall complete the installation of plastic Lattices at Chuk Yuen Village planter upon LCSD's satisfaction, prior to the commencement of Establishment Period of Chuk Yuen Village planting area.

A set of record photos is attached for your reference.

Thanks!
Carol
21713405/63215017

From: [Kay HK TSANG](#)
To: [WONG Tin Lok, Clement](#)
Cc: [Ray YW CHENG \(rywcheng@lcsd.gov.hk\)](#); [Angel LAU \(angellau@lcsd.gov.hk\)](#); ["ycluk@cedd.gov.hk"](#); [LEE Ka Tung, Kelvin](#); [LEUNG Siu Yin, Carol](#); [CHEUNG Chi Wing, Eric](#); [SZE Siu Ching, Sandy](#); [CH YIP \(chyip@lcsd.gov.hk\)](#); [CL LIN](#)
Subject: 轉寄: Fw: CV/2013/03 Liantang/Heung Yuen Wai Boundary Control Point-Contract 5 (Defect List and Snag List of Landscape Works)
Date: Monday, May 27, 2019 12:44:44 PM

Dear Clement,

We have no adverse comment for the roadside amenities along Lin Ma Hang Road under contract 5 mentioned in A1 to A4. The establishment period should be started on 15 May 2019. Thanks.

Regards,
Kay TSANG
M(P&P)N1
Tel:2679 2826

----- Forwarded by Kay HK TSANG/LCSD/HKSARG on 14/05/2019 下午 05:21 -----

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: Kay HK TSANG <khktsang@lcsd.gov.hk>
Cc: "Ray YW CHENG (rywcheng@lcsd.gov.hk)" <rywcheng@lcsd.gov.hk>, "kcchan@lcsd.gov.hk" <kcchan@lcsd.gov.hk>, "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>, "ycluk@cedd.gov.hk" <ycluk@cedd.gov.hk>, "LEE Ka Tung, Kelvin" <kelvin.lee@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "CHEUNG Chi Wing, Eric" <eric.cheung@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "CH YIP (chyip@lcsd.gov.hk)" <chyip@lcsd.gov.hk>, CL LIN <cllin@lcsd.gov.hk>
Date: 14/05/2019 下午 03:48
Subject: RE: CV/2013/03 Liantang/Heung Yuen Wai Boundary Control Point-Contract 5 (Defect List and Snag List of Landscape Works)

Dear Kay,

Thank you for your comments. We would like to report that the rectification works for items A1 to A4 had been completed. Owing to the limit of email size, a full set of photos will be sent to your office by hand tomorrow.

Besides, we would like to suggest that (A5) the fixing of the water point casing and (A6) drilling at the stainless steel cover should be put in the snag list because the fixing work should be carried out by another contractor and the drilling may require the maintenance agent's consent. An updated snag list is shown below for your reference.

Item	Actions to be Taken
B1	Construct kerbs along the u-channel to prevent runoff of soil. The gap between each kerb should be approx. 10mm.
B2	Construct kerbs between the interface of soil and concrete for demarcation (e.g. the hard paved area of fire hydrant, the interface between the run-in and the planter, etc.).

B3	Install plastic lattice (small grid) along the u-channel of the planting area at the junction of Ping Che Road and Lin Ma Hang Road after construction of kerb.
B4	Once HyD has no adverse comment, the planting areas near the run-in/out will be hard paved to avoid plants being damaged by vehicle's turning.
B5	Rectify the sunken kerbs.
B6	Submit a set of photographic records to show that the water points are functional.
B7	Identify the maintenance agent for the irrigation system and rectify the loose water point casing once the fixing details are approved. CEDD's contractor will continue to take up the maintenance responsibility of irrigation system after the establishment period until the maintenance agent has been identified.
B8	Submit a set of updated as-built drawings for LCSD's record.
B9	Liaise with LandsD to allocate the new planting area at beside the Ta Kwu Ling Chuk Yuen Village Playground to LCSD.
B10	Construction of kerbs should be conducted as soon as possible, i.e. before the end of August 2019, in order to see the effectiveness of the kerb during the wet season.
B11	Fix the water point casing with screw and bolt as a temporary measure.
B12	Drill a hole at the stainless steel cover of water points to avoid water accumulation.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Kay HK TSANG [<mailto:khktsang@lcsd.gov.hk>]
Sent: Thursday, May 09, 2019 5:20 PM
To: WONG Tin Lok, Clement
Cc: Ray YW CHENG (rywcheng@lcsd.gov.hk); 'kcchan@lcsd.gov.hk'; Angel LAU (angellau@lcsd.gov.hk); 'ycluk@cedd.gov.hk'; LEE Ka Tung, Kelvin; LEUNG Siu Yin, Carol; CHEUNG Chi Wing, Eric; SZE Siu Ching, Sandy; 'wahshangreengroup@gmail.com'; CH YIP (chyip@lcsd.gov.hk); CL LIN
Subject: Fw: CV/2013/03 Liantang/Heung Yuen Wai Boundary Control Point-Contract 5 (Defect List and Snag List of Landscape Works)

Dear Clement,

Our comment is marked in red in the preceding email for your follow-up action, please.

GR- pls on file.

Regards,
Kay TSANG
M(P&P)N1
[Tel:2679](#) 2826

----- Forwarded by Kay HK TSANG/LCSD/HKSARG on 06/05/2019 上午 11:21 -----

From: "WONG Tin Lok, Clement" <clement.wong@lt-aeom.com>
To: "CH YIP (chyip@lcsd.gov.hk)" <chyip@lcsd.gov.hk>
Cc: "Ray YW CHENG (rywcheng@lcsd.gov.hk)" <rywcheng@lcsd.gov.hk>, "kcchan@lcsd.gov.hk" <kcchan@lcsd.gov.hk>, "Kay HK TSANG (khktsang@lcsd.gov.hk)" <khktsang@lcsd.gov.hk>, "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>, "ycluk@cedd.gov.hk" <ycluk@cedd.gov.hk>, "LEE Ka Tung, Kelvin" <kelvin.lee@lt-aeom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aeom.com>, "CHEUNG Chi Wing, Eric" <eric.cheung@lt-aeom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aeom.com>, "wahshanggreengroup@gmail.com" <wahshanggreengroup@gmail.com>
Date: 04/05/2019 上午 11:57
Subject: CV/2013/03 Liantang/Heung Yuen Wai Boundary Control Point-Contract 5 (Defect List and Snag List of Landscape Works)

Dear Mr. Yip,

Thank you for joining the final inspection and your comments. As agreed on site, the Contractor would complete the rectification of defects of soft landscape works (see **Table A** below) by 9 May 2019 tentatively. We shall submit the photographic record of the rectification works by email. The 12-month DLP would commence immediately upon your acceptance.

On the other hand, some additional works and rectification of defects of hard landscape works would be completed within the 12-month DLP. These works are tabulated in **Table B** below for your reference.

Table A. Defect List of Soft Landscape Works

Item	Actions to be Taken
A1	Replace individual dead plants such as CVA <i>Codiaeum variegatum</i> , CTE <i>Cordyline terminalis</i> , DRG <i>Duranta repens</i> ‘giolden’, LCR <i>Loropetalum chinense rubra</i> , etc.
A2	Replace the undersized plants such as CVA <i>Codiaeum variegatum</i> near Refuse Collection Point, GJA <i>Gardenia jasminoides</i> near the junction of Ping Che Road and Lin Ma Hang Road, HRS <i>Hibiscus rosa-sinensis</i> , etc.
A3	Rearrange the existing (tall) and newly planted (short) GJA <i>Gardenia jasminoides</i> to attain uniformity.
A4	Stick temporary laminated tag for numbering the water points according to LCSD’s suggested water point numbers.
A5	Fasten Fixed the water point casing with cable ties screw and bolt as a temporary measure.

A6: Drill a hole at the stainless steel cover of water points to avoid water accumulation.

Table B. Snag List

Item	Actions to be Taken
------	---------------------

B1	Construct kerbs along the u-channel to prevent runoff of soil. The gap between each kerb should be approx. 10mm.
B2	Construct kerbs between the interface of soil and concrete for demarcation (e.g. the hard paved area of fire hydrant, the interface between the run-in and the planter, etc.).
B3	Install plastic lattice (small grid) along the u-channel of the planting area at the junction of Ping Che Road and Lin Ma Hang Road after construction of kerb.
B4	Once HyD has no adverse comment, the planting areas near the run-in/out will be hard paved to avoid plants being damaged by vehicle’s turning.
B5	Rectify the sunken kerbs.
B6	Submit a set of photographic records to show that the water points are functional.
B7	Identify the maintenance department agent for the water points irrigation system and rectify the loose water point casing once the fixing details are approved. CEDD's contractor will continue to take up the maintenance responsibility of irrigation system after the establishment period until the maintenance agent has been identified.
B8	Submit a set of updated as-built drawings for LCSD’s record.
B9	Liaise with LandsD to allocate the new planting area at beside the Ta Kwu Ling Chuk Yuen Village Playground Resite Area to LCSD.

B10: Construction of kerbs should be conducted as soon as possible, i.e. before the end of August 2019, in order to see the effectiveness of the kerb during the wet season.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

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Appendix W

***Extracted Pages of Approved Landscape Plan of BCP Building and Associated Facilities
(Revision 03A)
(Under Separate Submission)***

本署檔號
OUR REF: (23) in EP 2/N7/A/52 Ax(1) Pt.22
來函檔號
YOUR REF: 12070NT/1377
電話
TEL. NO.: 2835 1868
圖文傳真
FAX NO.: 2591 0558
電子郵件
E-MAIL:
網址
HOMEPAGE: <http://www.epd.gov.hk>

Environmental Protection Department
Branch Office
28th Floor, Southorn Centre,
130 Hennessy Road,
Wan Chai, Hong Kong.



環境保護署分處
香港灣仔
軒尼詩道
一百三十號
修頓中心廿八樓



- 7 FEB 2018
RECEIVED

6 February 2018

By Post & By Fax (2834 5442)

Ronald Lu & Partners
33rd Floor, Wu Chung House
213 Queen's Road East
Wanchai
Hong Kong
(Attn: Mr. Peter YAM)

Dear Mr. Yam,

Consultancy Agreement No. 9AA 102
Construction of Liantang/ Heung Yuen Wai Boundary Control Point –
BCP Building and Associated Facilities
Submission of Landscape & Visual Mitigation Plan
for Compliance of Environmental Permit Condition Rev. 3A
Condition 2.11 of Environmental Permit No. EP-404/2011/D

I refer to your letter of 16 January 2018 forwarding to us with your revised Landscape and Visual Mitigation Plan (LVMP) (Rev. 3A) under the captioned Environmental Permit.

Pursuant to Section 2.11 of the captioned Environmental Permit, I hereby approve the Landscape and Visual Mitigation Plan¹.

Should you have any queries, please contact our Mr. Steve LI at 2835 1142.

Yours sincerely,

(Raymond W. M. WONG)
Principal Environmental Protection Officer
for Director of Environmental Protection

1. EP Condition 2.11 states "The Permit Holder shall, no later than one month before commencement of construction of the Project, submit 3 sets of Landscape Plan to the Director for approval. The landscape plan shall include considerations for minimizing habitat fragmentation and show the locations, size, number and species of planting, design details, implementation programme, maintenance and management schedules, and drawings in the scale of 1:1000 or other appropriate scale showing the landscape and visual mitigation measures of the Project, in particular the landscape and compensatory planting, construction hoarding, noise barriers and buildings. Before submission to the Director, the landscape plan shall be certified by the ET Leader and verified by the IEC as confirming to the information and recommendations contained in the approved EIA Report."

C.C.

ArchSD	(Attn: Mr. William CHENG / Mr. Keith TAM / Ms. Lina CHONG / Ms. Raven LEE)	fax: 2804 6805
PlanD	(Attn: Ms. Jamie PONG)	fax: 2116 0752
ADI	(Attn: Ms. Alison LEE / Mr. Howard PANG)	fax: 2131 8609
BMT	(Attn: Ms. Claudine LEE)	fax: 2815 3377
LCAL	(Attn: Mr. Steven WONG / Mr. Kim LUI)	fax: 2752 0696
SMEC	(Attn: Mr. Antony WONG / Mr. Man CHEUNG)	fax: 3995 8101
AUES	(Attn: Mr. T.W. TAM / Ms. Nicola HON)	fax: 2959 6079

Internal

P(RN) with copy of Landscape & Visual Mitigation Plan
S(SA)6
AE(SA)61

Construction of Liantang / Heung Yuen Wai Boundary Control Point (BCP)

- BCP Buildings and Associated Facilities

Environmental Permit (EP No.: EP-404/2011/D)

Landscape Plan Rev. 03A

- To check if necessary horticultural operations and replacement planting are undertaken throughout the establishment period to ensure the healthy establishment and growth of both transplanted trees and all newly established plants.

Table 3: Detailed Checklist for Implementation of Landscape Mitigation Measures during the Construction Phase /Establishment Period

Measures No.	Details
CM3 Decorative Screen Hoarding	Decorative screen hoarding will be erected along areas of the construction works site boundary where the works site borders publically accessible routes and/or is close to visually sensitive receivers (VSRs) to screen undesirable views of the works site. It is proposed that the screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used. There is no hoarding on the BCP site as the site is surrounded by another construction site under CEDD and is only separated by chain-link fence.
OM1 Detailed Design Considerations	Detailed design of development components should reduce landscape footprint and visibility of structures. The area allowed for any development components should be reduced to a practical minimum.
OM2 Aesthetically Pleasing Design	The form, textures, finishes and colours of the proposed development components should be compatible with the existing surroundings. Light earthy tone colours such as shades of green, shades of grey, shades of brown and off-white may be utilised where technically feasible to reduce the visibility of the development components, including all roadwork, buildings and noise barriers etc. To further improve visual amenity, natural building materials such as stone and timber, should be preferably adopted for architectural features, where technically feasible.

Measures No.	Details
OM3 Compensatory Planting	All compensatory planting of trees is to be carried out in accordance with <i>DEVB TC(W) No. 7/2015</i> . Section 9 (Ecology) of the EIA Report contains further details of the compensatory planting specifically for woodland. A total woodland compensation area of 18.6 ha, which is not within the BCP site, is proposed. In view of the maturity of the secondary woodland impacted, a higher compensation ratio is proposed and details can be found in the proposed Woodland Compensation Plan in Appendix 9.4. For key LRs containing substantial numbers of affected trees, Table 11.15a of the EIA Report gives an approximation of the number of trees to be planted to compensate for the trees felled in each of these key LRs. Some compensatory shrub and ground cover planting will also be provided. Approvals have been given and tree felling and transplantation have been carried out during the site formation works under CEDD Contract 5 and the relevant compensation planting will also be carried out by CEDD Contract in other site areas of the BCP Works. In addition, a Wetland Compensation Area (WCA) is proposed to compensate for some wet areas of farmland and shrubby grassland on lowland Section 9 (Ecology) contains further details of the WCA with Figure 9.28 of the EIA Report showing a conceptual plan of the area. Details of the Wetland Compensation Plan (WCP) would be formulated and provided under a Habitat Creation and Management Plan during the detailed design stage.
OM4 Buffer Tree Planting	Tree planting shall be provided to screen the proposed structures and associated facilities. In addition, the compensatory shrub and ground cover planting detailed in OM3 will provide screening and improve compatibility with the surrounding environment.
OM8 Green Roof	Green roofing should be established on proposed buildings to reduce exposure to untreated concrete surfaces and mitigate visual impact to VSRs at high levels.
OM9 Vertical Greening	Vertical planting should be established to soften the hard, vertical surfaces of the proposed development components. These components will include walls of administration and ventilation buildings, retaining walls and road abutments.
OM10 Roadside Amenity Planting	Roadside amenity planting should be provided, to enhance the landscape and visual quality of the existing and proposed transport routes and car parks.
OM11 Reinstatement	Certain areas unavoidably disturbed by the Project will be reprovisioned. The Chuk Yuen Village within the BCP area will be re-sited to a designed location before commencement of the Project. Further details on the 'Re-site of Chuk Yuen Village' are discussed in Section 11.8 of the EIA Report.

2.2.3 The event and action plan for landscape and visual monitoring during construction and operational phases is summarised in **Table 3**.

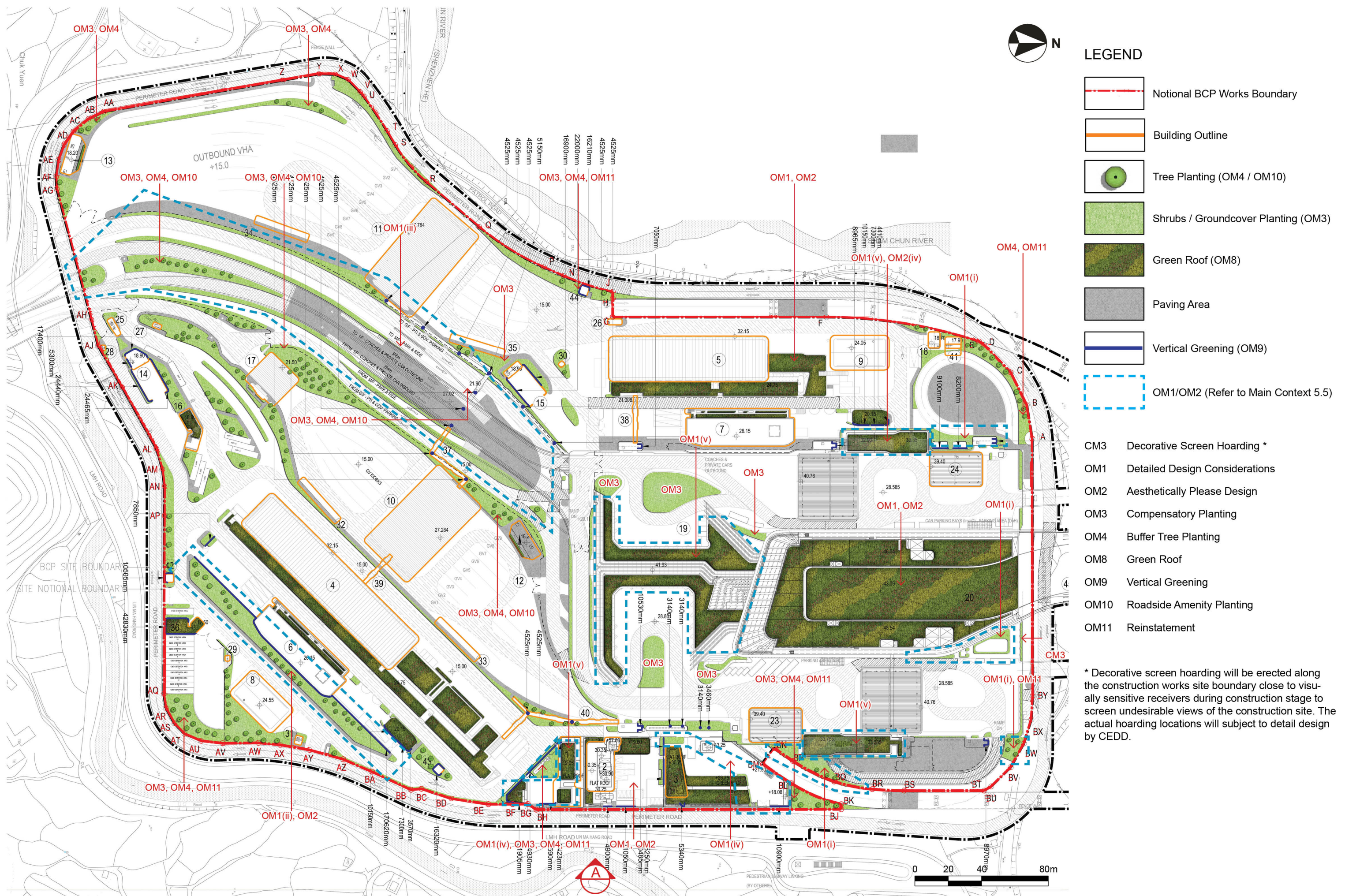


Figure 1.0
Landscape & Visual Mitigation Plan

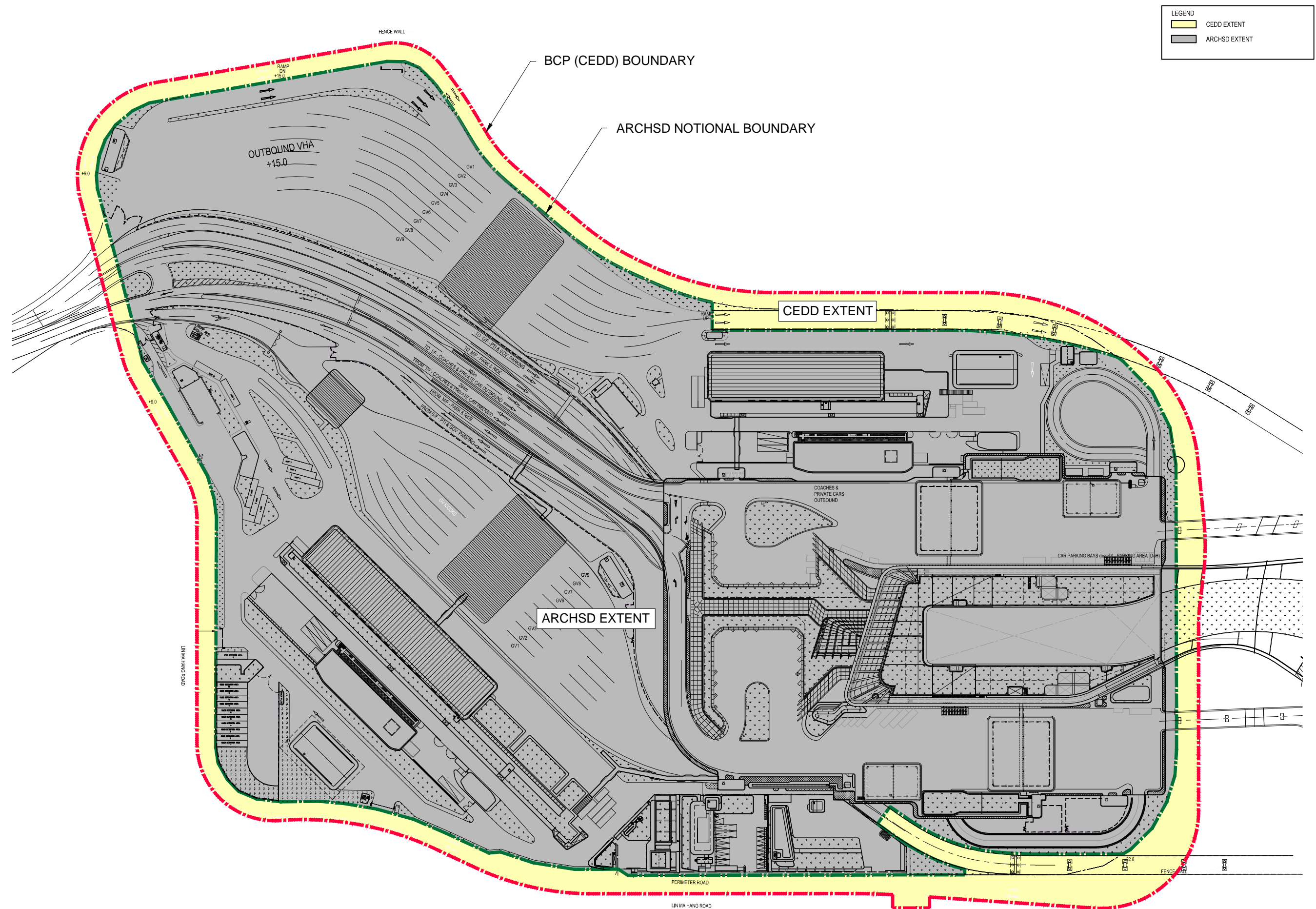


Figure 1.0a



ELEVATION A



3D RENDERING A



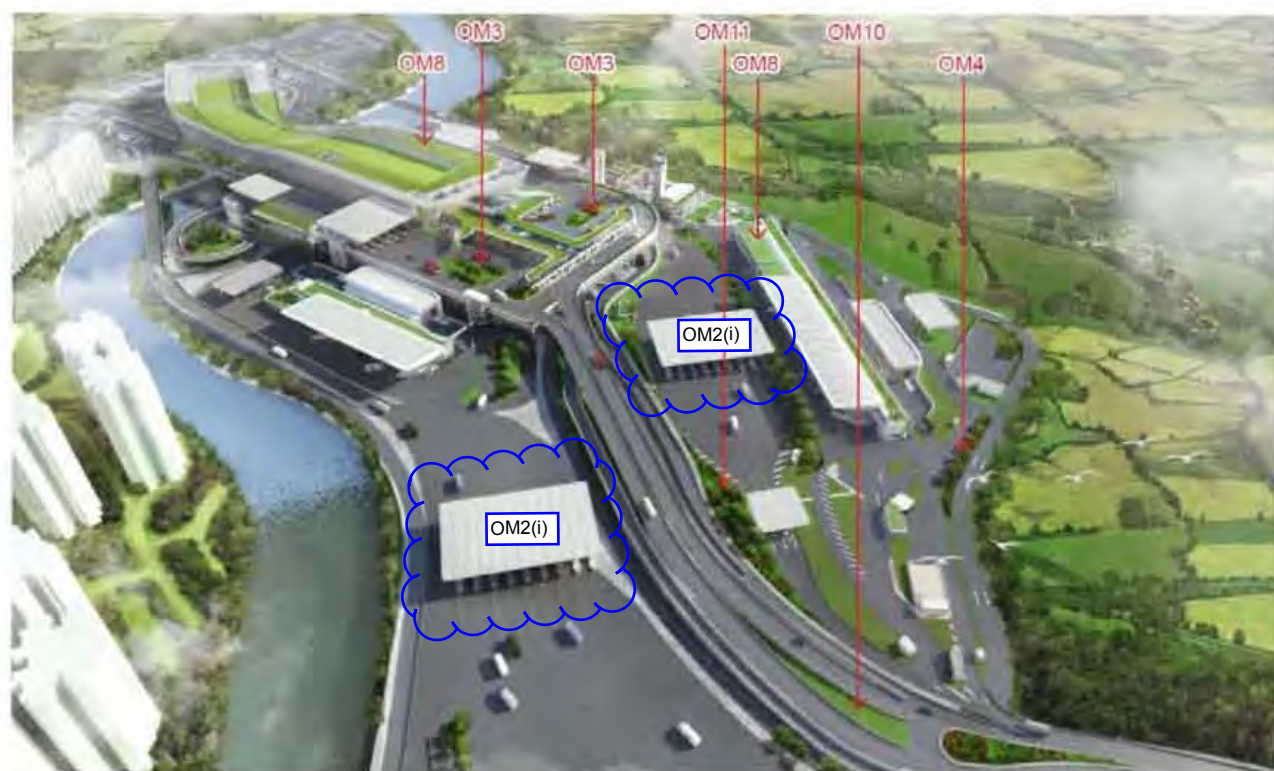
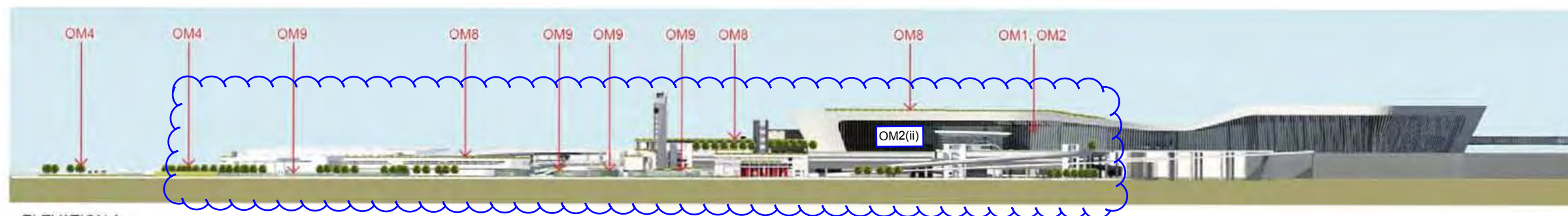
3D RENDERING B

- CM3 Decorative Screen Hoarding *
- OM1 Detailed Design Considerations
- OM2 Aesthetically Pleasing Design
- OM3 Compensatory Planting
- OM4 Buffer Tree Planting
- OM8 Green Roof **
- OM9 Vertical Greening **
- OM10 Roadside Amenity Planting
- OM11 Reinstatement

* Decorative screen hoarding will be erected along the construction works site boundary close to visually sensitive receivers during construction stage to screen undesirable views of the construction site. The actual hoarding locations will be subject to detail design.

** The greening area on structures area for indicative only. The actual planting areas will be subject to detail design.

Figure 2.1
Landscape elevations and 3D rendered images



- CM3 Decorative Screen Hoarding *
- OM1 Detailed Design Considerations
- OM2 Aesthetically Pleasing Design
- OM3 Compensatory Planting
- OM4 Buffer Tree Planting
- OM8 Green Roof **
- OM9 Vertical Greening **
- OM10 Roadside Amenity Planting
- OM11 Reinstatement

* Decorative screen hoarding will be erected along the construction works site boundary close to visually sensitive receivers during construction stage to screen undesirable views of the construction site. The actual hoarding locations will be subject to detail design.

** The greening area on structures area for indicative only. The actual planting areas will be subject to detail design.

Figure 2.1a
Landscape elevations and 3D rendered images

- CM3 Decorative Screen Hoarding *
- OM1 Detailed Design Considerations
- OM2 Aesthetically Please Design
- OM3 Compensatory Planting
- OM4 Buffer Tree Planting
- OM8 Green Roof **
- OM9 Vertical Greening **
- OM10 Roadside Amenity Planting
- OM11 Reinstatement

* Decorative screen hoarding will be erected along the construction works sit boundary close to visually sensitive receivers during construction stage to screen undesirable views of the construction site. The actual hoarding locations will subject to detail design.

** The greening area on structures area for indicative only. The actual planting areas will be subject to detail design.

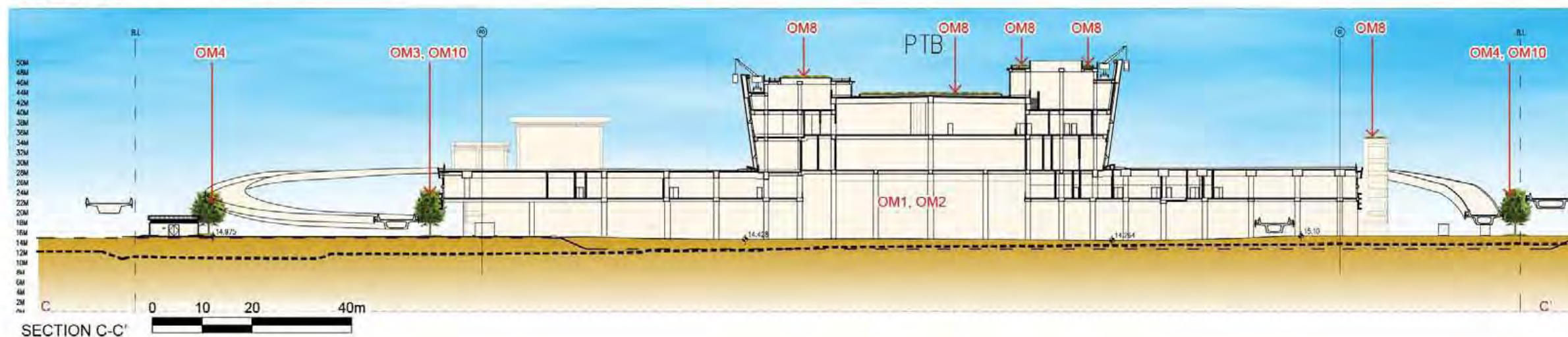
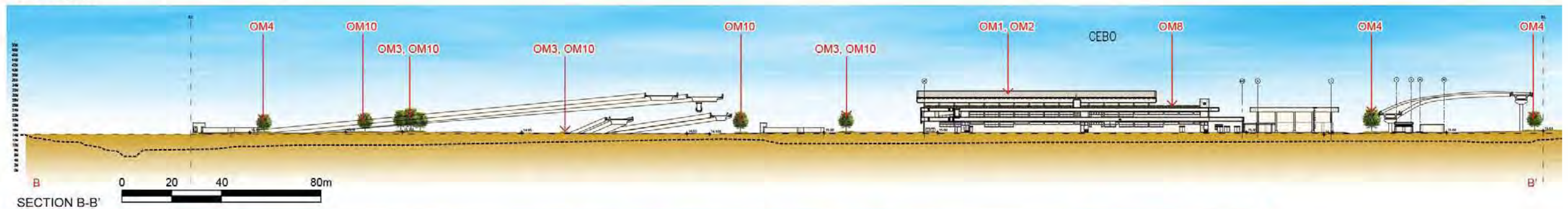
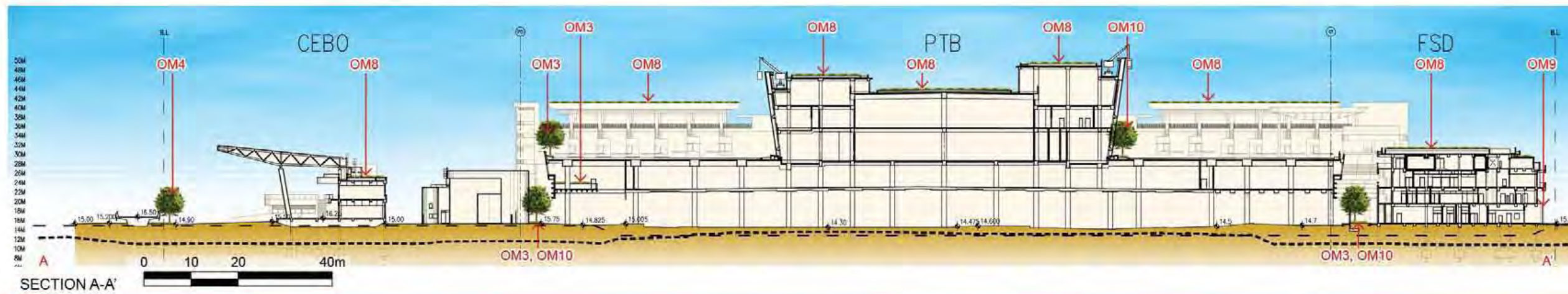
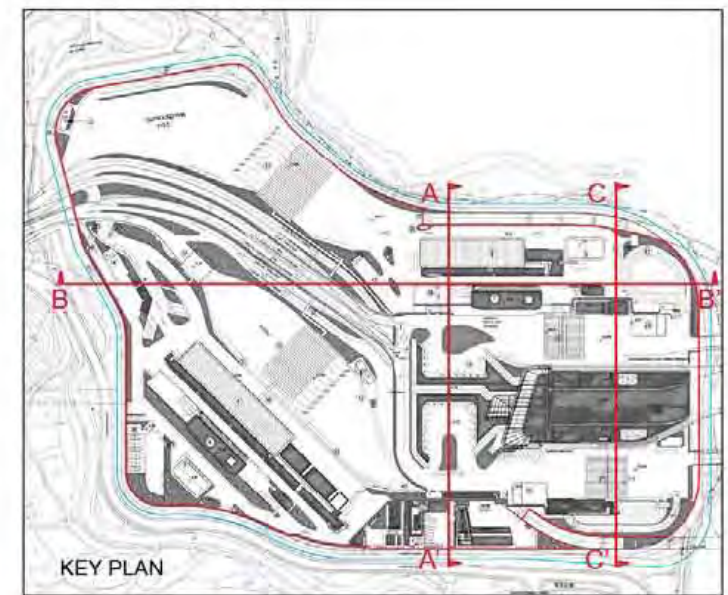


Figure 2.2
Landscape Sections



Existing View Towards the Project from VP2



View Towards the Project without Mitigation Measures on Day 1 Operation from VP2



View Towards the Project with Mitigation Measures on Day 1 Operation from VP2



View Towards the Project with Mitigation Measures at Year 10 Operation from VP2
Approved Scheme

- CM3 Decorative Screen Hoarding *
- OM1 Detailed Design Considerations
- OM2 Aesthetically Please Design
- OM3 Compensatory Planting
- OM4 Buffer Tree Planting
- OM8 Green Roof **
- OM9 Vertical Greening **
- OM10 Roadside Amenity Planting
- OM11 Reinstatement

* Decorative screen hoarding will be erected along the construction works sit boundary close to visually sensitive receivers during construction stage to screen undesirable views of the construction site. The actual hoarding locations will subject to detail design.

** The greening area on structures area for indicative only. The actual planting areas will be subject to detail design.



View Towards the Project without Mitigation Measures on Day 1 Operation from VP2



View Towards the Project with Mitigation Measures on Day 1 Operation from VP2



View Towards the Project with Mitigation Measures at Year 10 Operation from VP2
Current Scheme

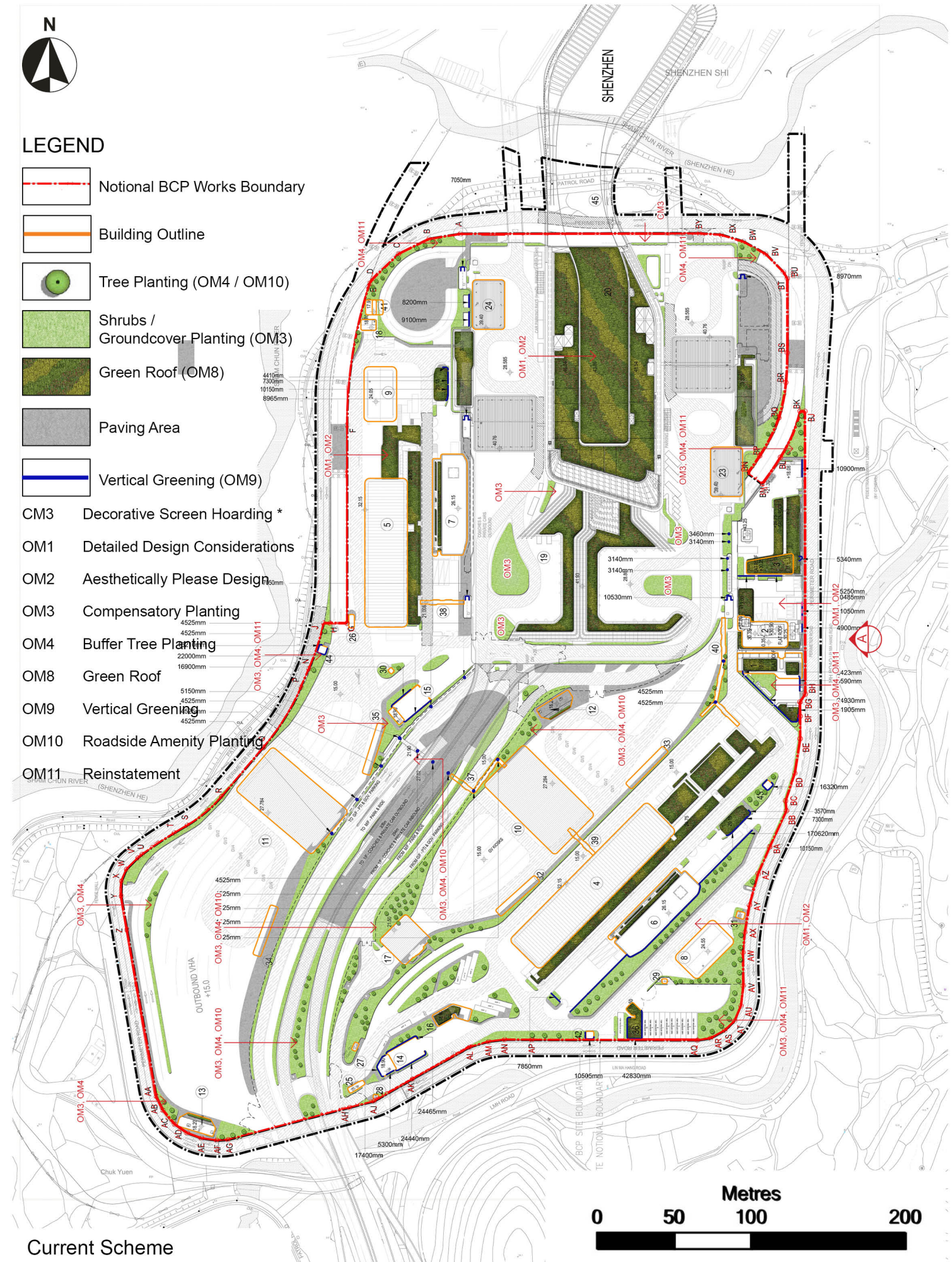
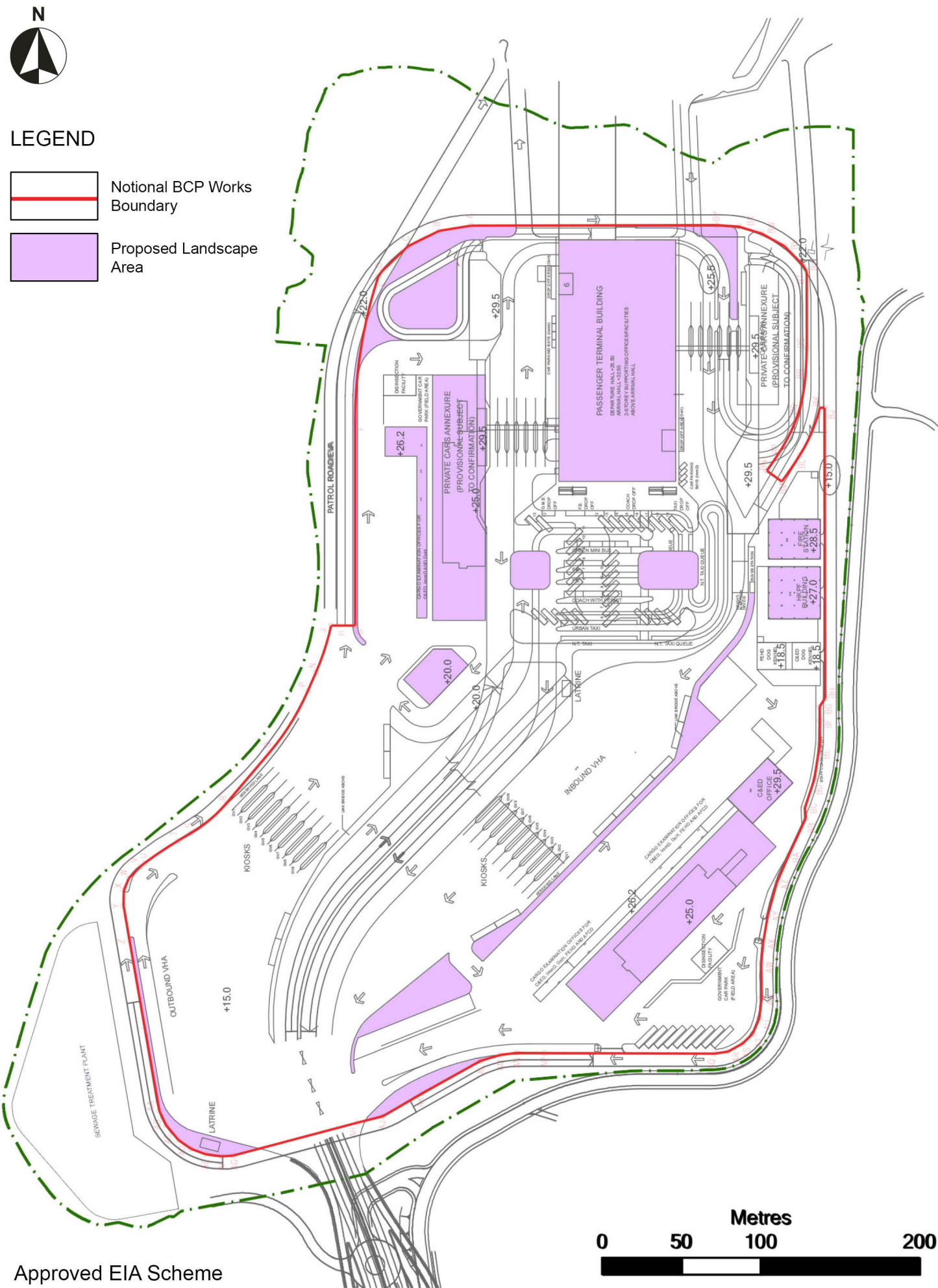


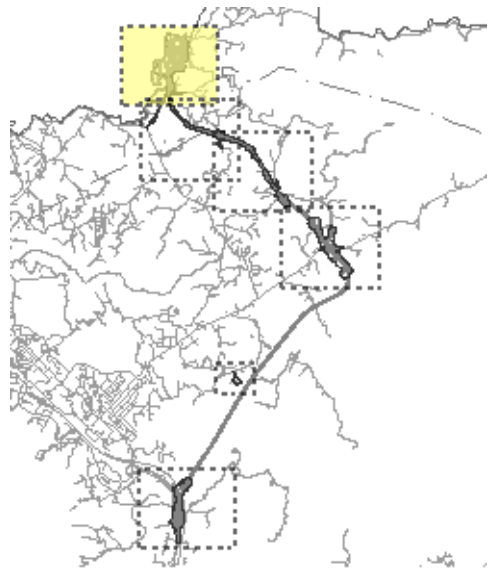
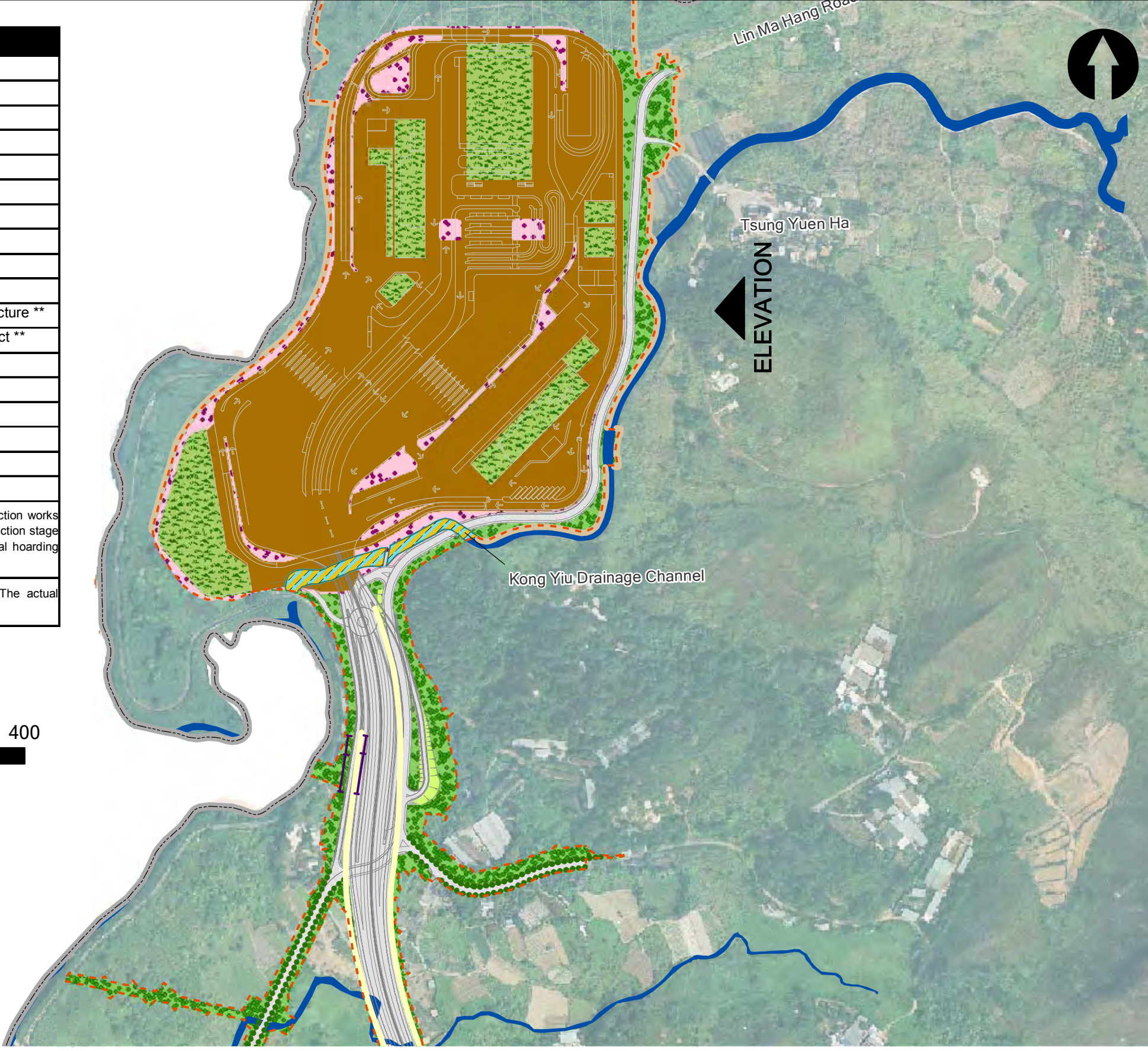
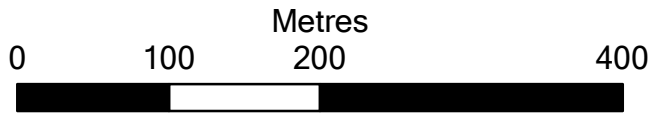
Figure 5.0
Comparison of Landscape Areas of Current Scheme and EIAApproved Scheme

Appendix A
Overall Location Plan

Typical Elevation of BCP with Mitigation Measures



ID No. Mitigation Measure	
CM1	Tree Protection and Preservation
CM2	Tree Transplantation
CM3	Decorative Screen Hoarding *
CM4	Light Control
CM5	Topsoil Reuse
CM6	Watercourse Modification
OM1	Detailed Design Considerations
OM2	Aesthetically Pleasing Design
OM3	Compensatory Planting
OM4	Buffer Tree Planting
OM5	Aesthetic Improvement Planting-Viaduct Structure **
OM6	Aesthetic Improvement Planting-Under Viaduct **
OM7	Landscaped Slope
OM8	Green Roof **
OM9	Vertical Greening **
OM10	Roadside Amenity Planting
OM11	Reinstatement
OM12	Light Control (Operation)
* Decorative screen hoarding will be erected along the construction works site boundary close to visually sensitive receivers during construction stage to screen undesirable views of the construction site. The actual hoarding locations will be subject to detail design.	
** The greening area on structures are for indicative only. The actual planting areas will be subject to detail design.	



Key	
	Existing River/Stream/Channel
	Works Area (at Grade)
	Works Area (Tunnel)
	Future BCP and Associated Road Works
	Proposed Noise Barrier
Mitigation Measures	
	CM1, CM2, OM3, OM4, OM11
	CM1, CM2, OM3, OM4, OM11 (within BCP)
	CM3
	OM1, OM2, OM8, OM9, OM12 (within BCP)
	CM6
	OM1, OM2
	OM5
	OM7
	OM6, OM12
	OM9 (Retaining Wall / Retaining Wall & Abutment)
	OM10

Rev

Date

Drawn

Description

Ch'k'd

App'd

20/F Two Landmark East
100 How Ming Street
Kwan Tong, Kowloon
Hong Kong
T +852 2828 5757
F +852 2827 1823
W www.mottmac.com.hk

Client

CIVIL ENGINEERING
AND DEVELOPMENT
DEPARTMENT

Project

AGREEMENT NO. CE45/2008(CE)
LIANTANG/HEUNG YUEN WAI BOUNDARY
CONTROL POINT AND ASSOCIATED WORKS
-- INVESTIGATION

Title

LANDSCAPE AND VISUAL MITIGATION PLAN-
SECTION A, ZONE 1

Designed		Eng. Chk.		
Drawn		Coordination		
Dwg. Chk.		Approved		
Scale at A3	Project			Status
1 : 5000	CAD file			
Drawing No				Rev

Appendix B

Figure No. AB/7272/LVMP-01 and AB/7272/LVMP-02

ID No. Mitigation Measure

OM1	Detailed Design Considerations
OM2	Aesthetically Pleasing Design
OM4	Buffer Tree Planting
OM8	Green Roof
OM9	Vertical Greening
OM11	Reinstatement



Key:

- Site Boundary of Boundary Control Point(BCP)
- OM11 Reinstatement (16910.586m²)
- OM8 Green Roof (16586.69m²)
- OM9 Vertical Greening (1015.03m²)
- OM4

ISSUE	DATE	DESCRIPTION	HOP/YEW/ALL/CCH
A	05-09-16	GENERAL REVISION	

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Designed :	HOP		05-09-2016
Drawn :	YEW		05-09-2016
Checked :	ALL		05-09-2016
Approved :	CCH		05-09-2016

Contract No. :	SS C505
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File No. :	
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Programme No. :	13 GB-5
-----------------	---------

Contract Title :
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT BUILDINGS
AND ASSOCIATED WORKS

Drawing Title :

LANDSCAPE AND VISUAL MITIGATION
PLAN-BCP

Drawing No. :	Scale :
AB/7272/LVMP-01A	1:3000 (A3)

Signed	Date
--------	------



DRAWING FILE NAME : AB7272EV201.8.DWG

Appendix D

Planting Plans and Planting Schedule

LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT BUILDINGS AND ASSOCIATED WORKS

Annex 4 - Planting Plans for Submission of Landscape Plan under the Environmental Permit

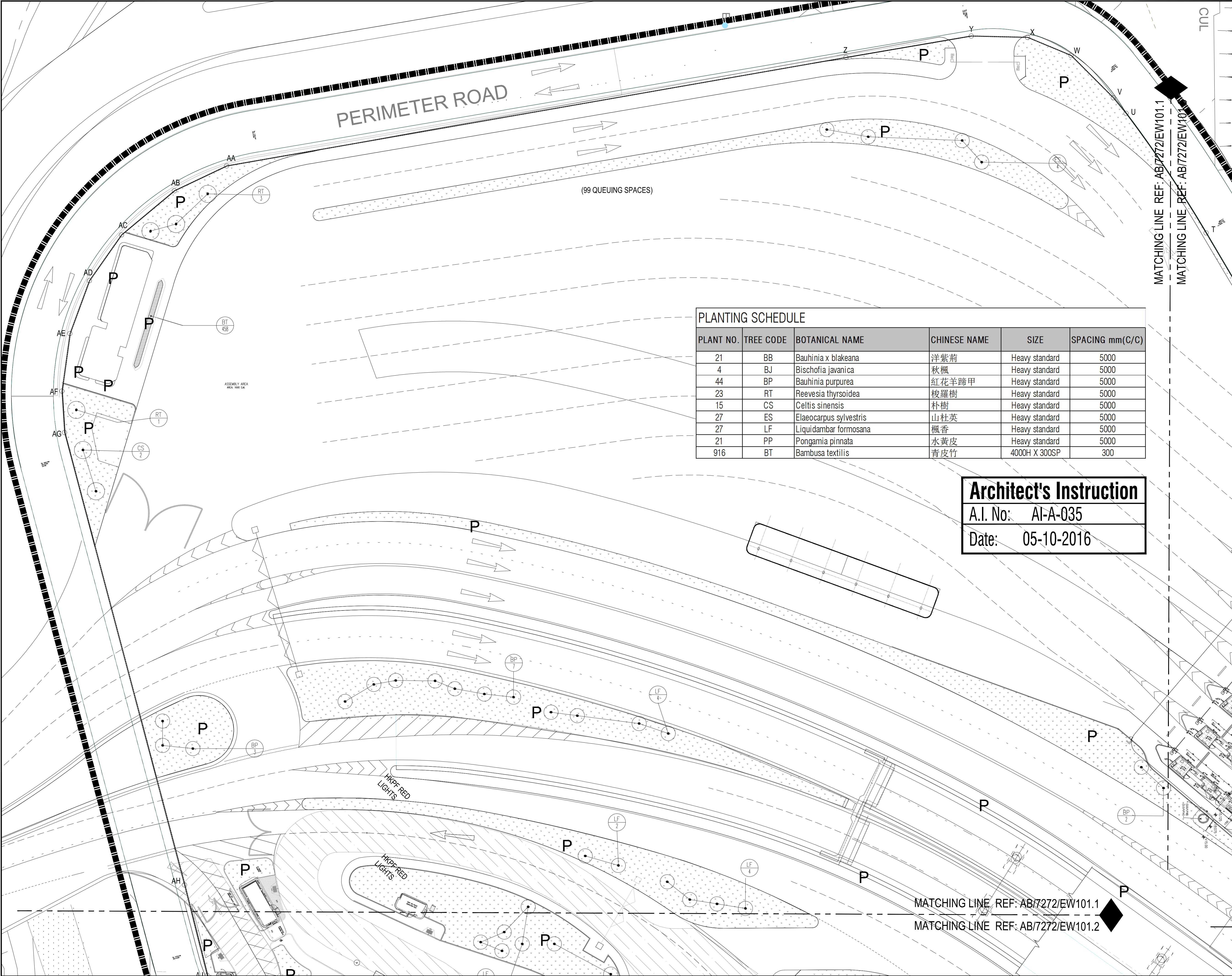
Architectural Services Department



CONTRACT NO. : 9AA102 (PROGRAMME NO.: 3013 GB-5)

NO.	DRAWING NUMBER	REV.	DRAWING TITLE	SIZE
1.	AB/7272/EW101.1	2	Planting Plan of Tree for Ground Floor (1 of 8)	A1 (1:300) A3 (1:600)
2.	AB/7272/EW101.2	1	Planting Plan of Tree for Ground Floor (2 of 8)	A1 (1:300) A3 (1:600)
3.	AB/7272/EW101.3	0	Planting Plan of Tree for Ground Floor (3 of 8)	A1 (1:300) A3 (1:600)
4.	AB/7272/EW101.4	0	Planting Plan of Tree for Ground Floor (4 of 8)	A1 (1:300) A3 (1:600)
5.	AB/7272/EW101.5	2	Planting Plan of Tree for Ground Floor (5 of 8)	A1 (1:300) A3 (1:600)
6.	AB/7272/EW101.6	0	Planting Plan of Tree for Ground Floor (6 of 8)	A1 (1:300) A3 (1:600)
7.	AB/7272/EW101.7	1	Planting plan of tree for ground floor (7 of 8)	A1 (1:300) A3 (1:600)
8.	AB/7272/EW101.8	0	Planting Plan of Tree for Ground Floor (8 of 8)	A1 (1:300) A3 (1:600)
9.	AB/7272/EW102.1	0	Planting Plan of Tree for Podium Floor (1 of 2)	A1 (1:300) A3 (1:600)
10.	AB/7272/EW102.2	0	Planting Plan of Tree for Podium Floor (2 of 2)	A1 (1:300) A3 (1:600)
11.	AB/7272/EW201.1	2	Planting Plan of Shrubs for Ground Floor (1 of 8)	A1 (1:300) A3 (1:600)
12.	AB/7272/EW201.2	2	Planting Plan of Shrubs for Ground Floor (2 of 8)	A1 (1:300) A3 (1:600)
13.	AB/7272/EW201.3	2	Planting Plan of Shrubs for Ground Floor (3 of 8)	A1 (1:300) A3 (1:600)
14.	AB/7272/EW201.4	2	Planting Plan of Shrubs for Ground Floor (4 of 8)	A1 (1:300) A3 (1:600)
15.	AB/7272/EW201.5	1	Planting Plan of Shrubs for Ground Floor (5 of 8)	A1 (1:300) A3 (1:600)
16.	AB/7272/EW201.6	0	Planting Plan of Shrubs for Ground Floor (6 of 8)	A1 (1:300) A3 (1:600)
17.	AB/7272/EW201.7	2	Planting Plan of Shrubs for Ground Floor (7 of 8)	A1 (1:300) A3 (1:600)
18.	AB/7272/EW201.8	2	Planting Plan of Shrubs for Ground Floor (8 of 8)	A1 (1:300) A3 (1:600)

NO.	DRAWING NUMBER	REV.	DRAWING TITLE	SIZE
19.	AB/7272/EW202.1	1	Planting Plan of Shrubs for Podium Floor (1 of 4)	A1 (1:300) A3 (1:600)
20.	AB/7272/EW202.2	0	Planting Plan of Shrubs for Podium Floor (2 of 4)	A1 (1:300) A3 (1:600)
21.	AB/7272/EW202.3	1	Planting Plan of Shrubs for Podium Floor (3 of 4)	A1 (1:300) A3 (1:600)
22.	AB/7272/EW202.4	0	Planting Plan of Shrubs for Podium Floor (4 of 4)	A1 (1:300) A3 (1:600)
23.	AB/7272/EW203.1	2	Planting Plan of Shrubs for Roof Floor (1 of 6)	A1 (1:300) A3 (1:600)
24.	AB/7272/EW203.2	2	Planting Plan of Shrubs for Roof Floor (2 of 6)	A1 (1:300) A3 (1:600)
25.	AB/7272/EW203.3	1	Planting Plan of Shrubs for Roof Floor (3 of 6)	A1 (1:300) A3 (1:600)
26.	AB/7272/EW203.4	2	Planting Plan of Shrubs for Roof Floor (4 of 6)	A1 (1:300) A3 (1:600)
27.	AB/7272/EW203.5	2	Planting Plan of Shrubs for Roof Floor (5 of 6)	A1 (1:300) A3 (1:600)
28.	AB/7272/EW203.6	2	Planting Plan of Shrubs for Roof Floor (6 of 6)	A1 (1:300) A3 (1:600)
29.	AB/7272/EW204	1	Planting Plan of Shrubs for Balconies	A1 (1:300) A3 (1:600)



PLANTING SCHEDULE					
PLANT NO.	TREE CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING mm(C/C)
21	BB	Bauhinia x blakeana	洋紫荊	Heavy standard	5000
4	BJ	Bischofia javanica	秋楓	Heavy standard	5000
44	BP	Bauhinia purpurea	紅花羊蹄甲	Heavy standard	5000
23	RT	Reevesia thyrsoidea	梭羅樹	Heavy standard	5000
15	CS	Celtis sinensis	朴樹	Heavy standard	5000
27	ES	Elaeocarpus sylvestris	山杜英	Heavy standard	5000
27	LF	Liquidambar formosana	楓香	Heavy standard	5000
21	PP	Pongamia pinnata	水黃皮	Heavy standard	5000
916	BT	Bambusa textilis	青皮竹	4000H X 300SP	300

Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016

Notes :

KEY PLAN
SCALE : N.T.S.

Legend:

P

Planting area

Bamboo

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP / YEW / ALL / COH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP / HUF / ALL / COH
2	05-09-14	TENDER ADDENDUM No.2	HOP / HUF / ALL / COH
1	22-08-14	TENDER ADDENDUM No.1	HOP / HUF / ALL / COH
0	01-08-14	ISSUE FOR TENDER	HOP / HUF / ALL / COH
ISSUE	DATE	DESCRIPTION	Initial

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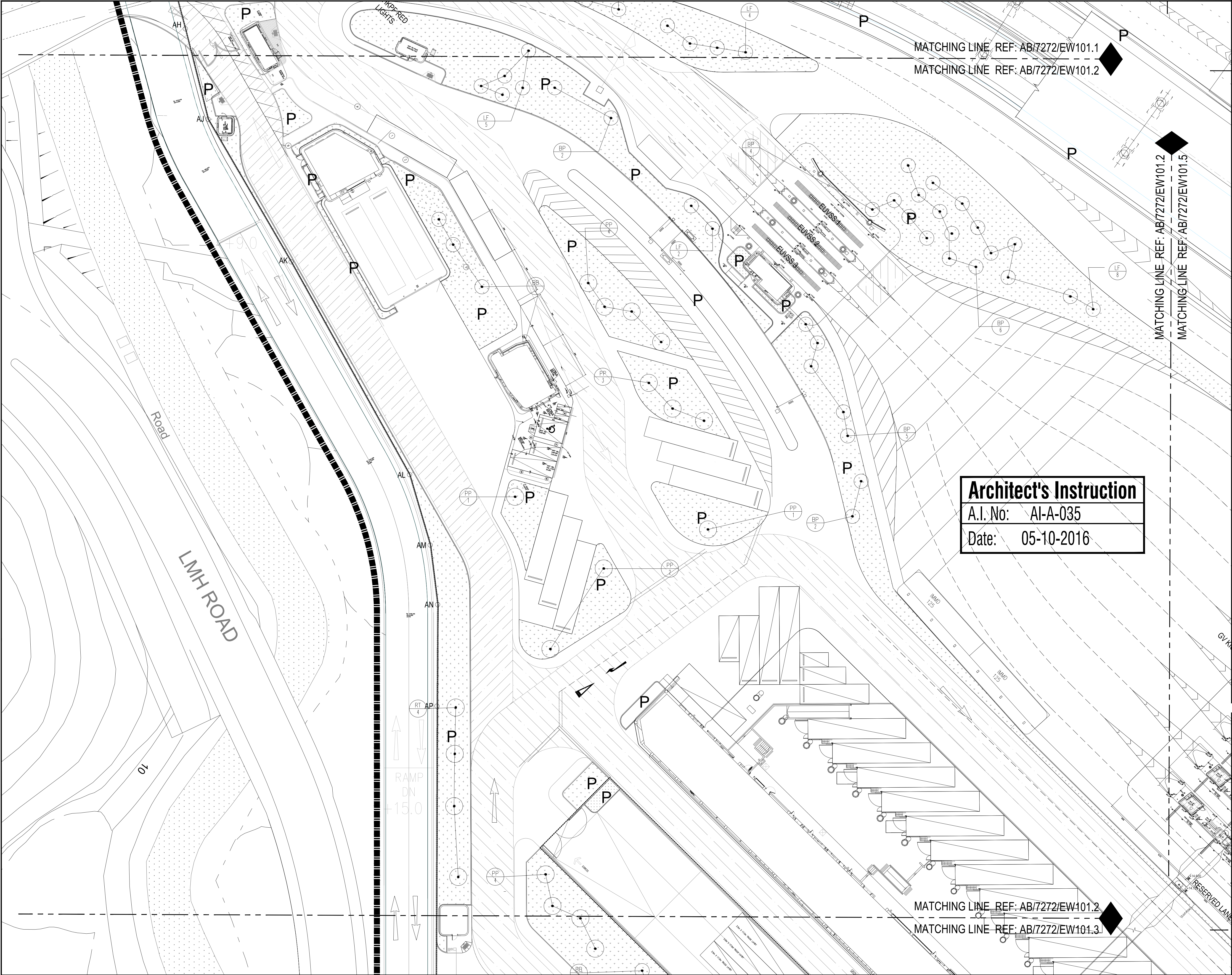
marc&chantal design

Designed :	Name	Signed	Date
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. :	SS C505		
File No. :			
Programme No.:	13 GB-5		
Contract Title :	CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (BCP) - BCP BUILDINGS AND ASSOCIATED FACILITIES		
Drawing Title :	Planting Plan of Tree for Ground Floor (1 of 8)		
Drawing No. :	AB/7272/EW101.1	Rev.3	Scale : 1:300 (A1) 1:600 (A3)
Signed			Date

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DRAWING FILE NAME : AB7272EW101.1.DWG



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MATCHING LINE REF: AB/7272/EW101.2

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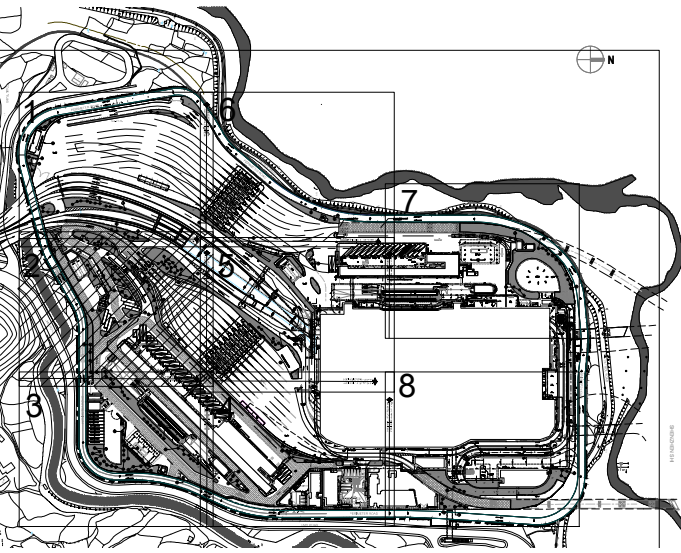
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Architect's Instruction
A.I. No: AI-A-035
Date: 05-10-2016

MATCHING LINE REF: AB/7272/EW101.2

MATCHING LINE REF: AB/7272/EW101.3

Notes :



KEY PLAN
SCALE : N.T.S.

Note:

Planting Schedule refer to AB/7272/EW101.1

P Planting area

Issue	Date	Description	Initial
2	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CO
1	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CO
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CO
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CO

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Checked :	YEW		05-10-2016
Approved :	ALL		05-10-2016
	CCH		05-10-2016

Contract No. : SS C505

File No. :

Programme No. : 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :

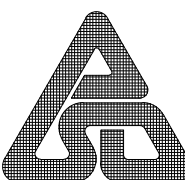
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1:600 (A3)

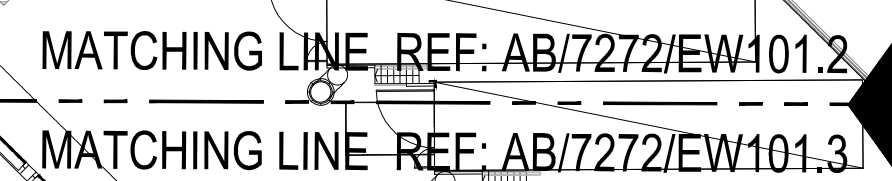
Drawing No. :
AB/7272/EW101.2 Rev.2

Scale :
1:300 (A1)
1:600 (A3)

Signed :
Date : 05-10-2016



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Note:
Planting Schedule refer to AB/7272/EW101.1

P	Planting area
---	---------------

1	05-10-16	ISSUE FOR CONSTRUCTION		HOP /YEW/ALL/CO
0	21-07-15	ISSUE FOR CONSTRUCTION		HOP /HUF /ALL/CO
0	01-08-14	ISSUE FOR TENDER		HOP /HUF /ALL/CO
ISSUE	DATE	DESCRIPTION		Initial

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Checked :	ALL		05-10-2016
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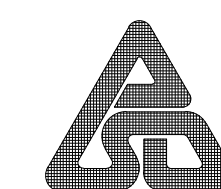
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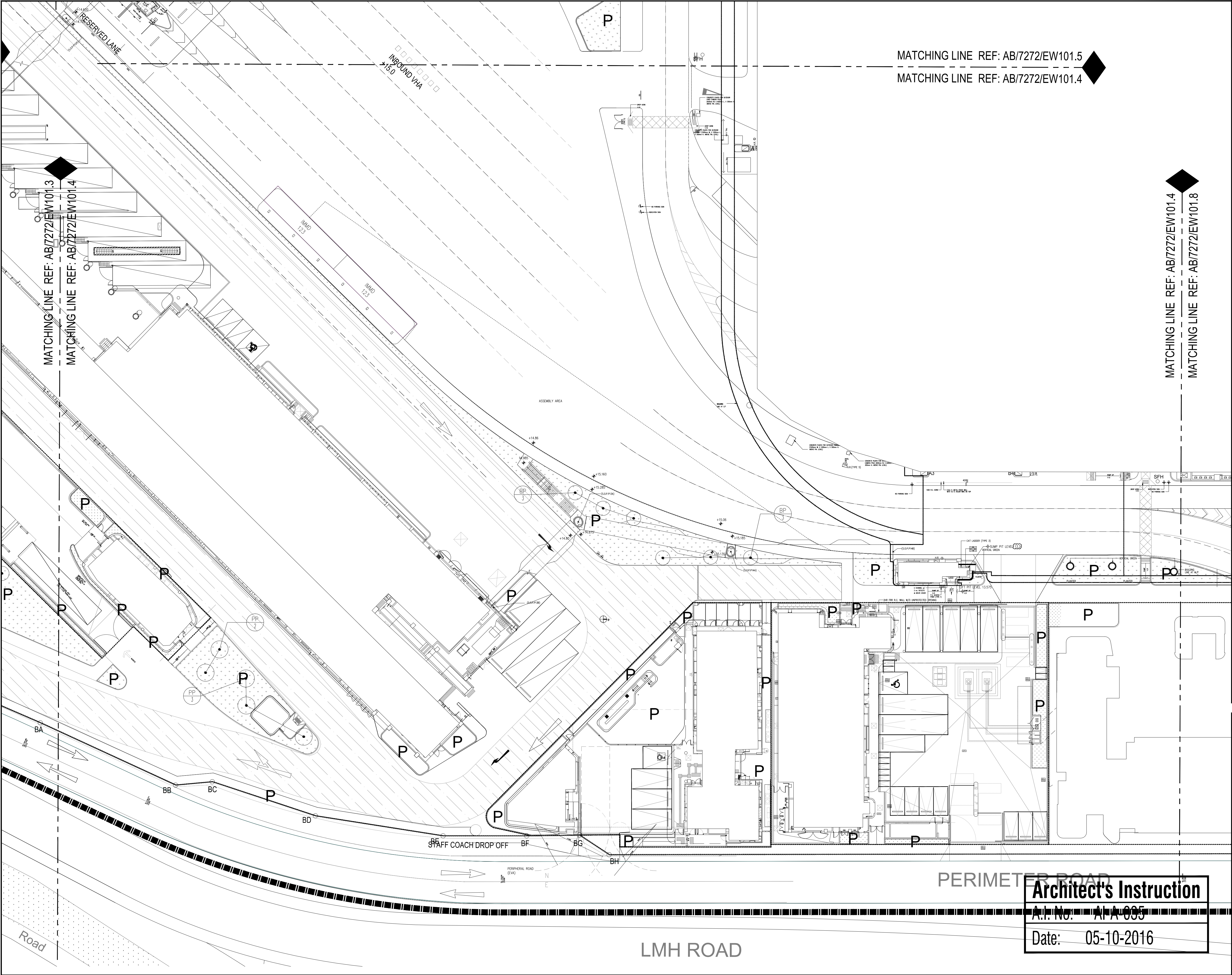
Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Planting Plan of Tree for Ground Floor (3 of 8)

Drawing No. : AB/7272/EW101.3	Rev.1	Scale : 1:300 (A1) 1:600 (A3)
---	-------	-------------------------------------

	Signed	05-10-2016 Date
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Notes :

KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW101.1

Legend:
P Planting area

1	05-10-16	ISSUE FOR CONSTRUCTION	HOP / YEW / ALL / CCH
0	21-07-15 <td>ISSUE FOR CONSTRUCTION<td>HOP / HUF / ALL / CCH</td></td>	ISSUE FOR CONSTRUCTION <td>HOP / HUF / ALL / CCH</td>	HOP / HUF / ALL / CCH
0	01-08-14 <td>ISSUE FOR TENDER<td>HOP / HUF / ALL / CCH</td></td>	ISSUE FOR TENDER <td>HOP / HUF / ALL / CCH</td>	HOP / HUF / ALL / CCH

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Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. : SS C505

File No. :

Programme No. : 13 GB-5

Contract Title : CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (BCP) - BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title : Planting Plan of Tree for Ground Floor (4 of 8)

Drawing No. : AB/7272/EW101.4 Rev.1

Signed

1:300 (A1)
1:600 (A3)

Scale : 1:300 (A1)
1:600 (A3)

05-10-2016

Date

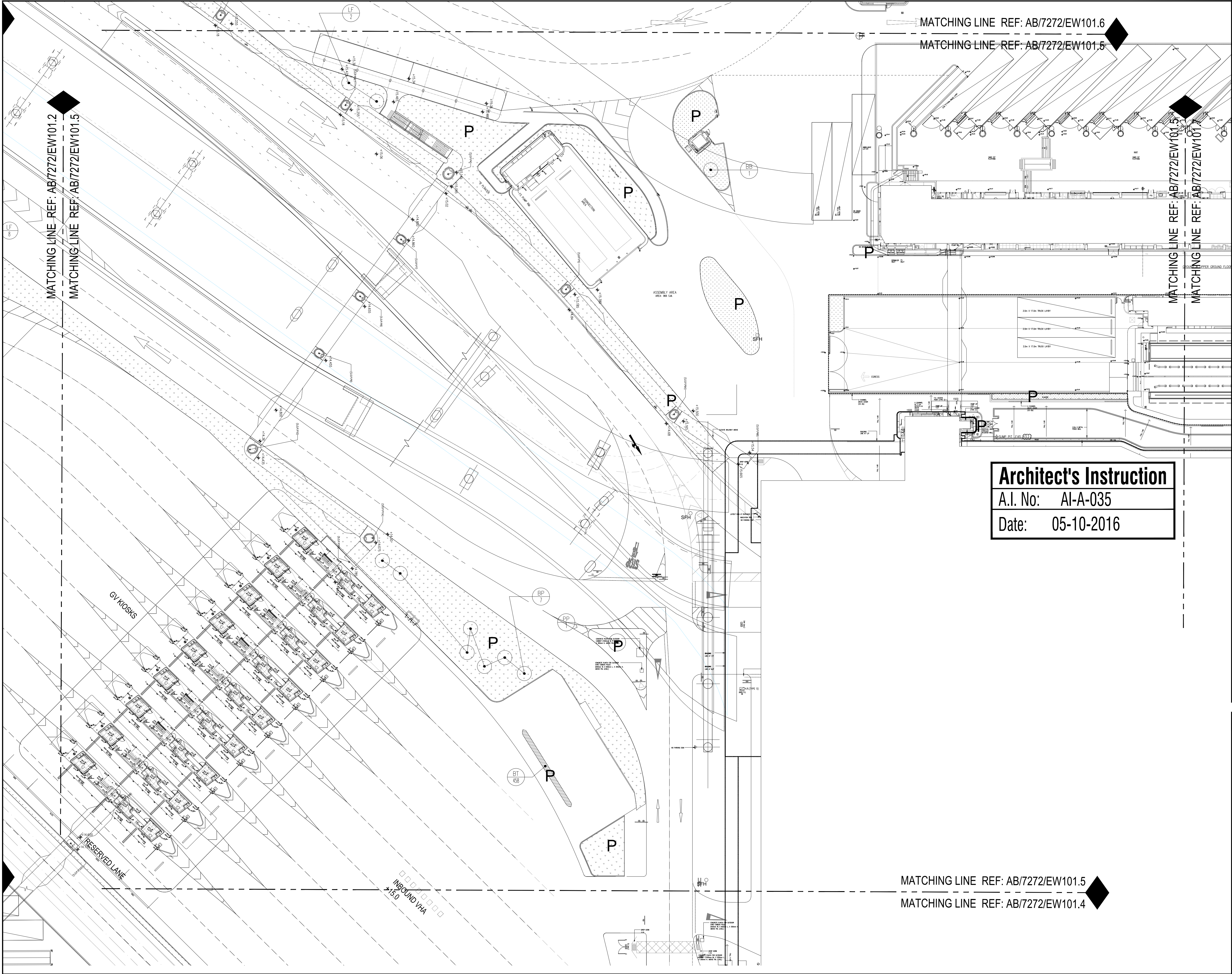
ARCHITECTURAL SERVICES DEPARTMENT

Architect's Instruction

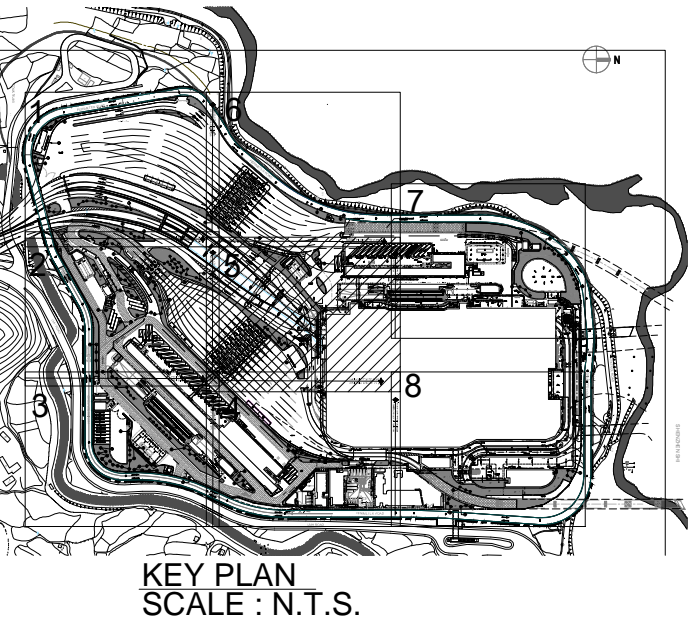
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Date: 05-10-2016

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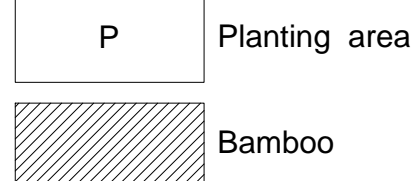


Notes :



Note:
Planting Schedule refer to AB/7272/EW101.1

Legend:



ISSUE	DATE	DESCRIPTION	Initial
3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/COH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/COH
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/ALL/COH
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/COH
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/COH

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WAY-FINDING CONSULTANT



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Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. :	SS C505
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File No. :	
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Programme No.:	13 GB-5
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Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

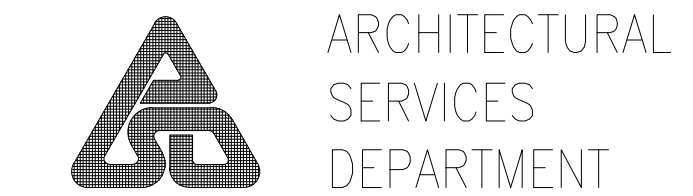
Drawing Title :

Planting Plan of Tree for Ground Floor (5 of 8)

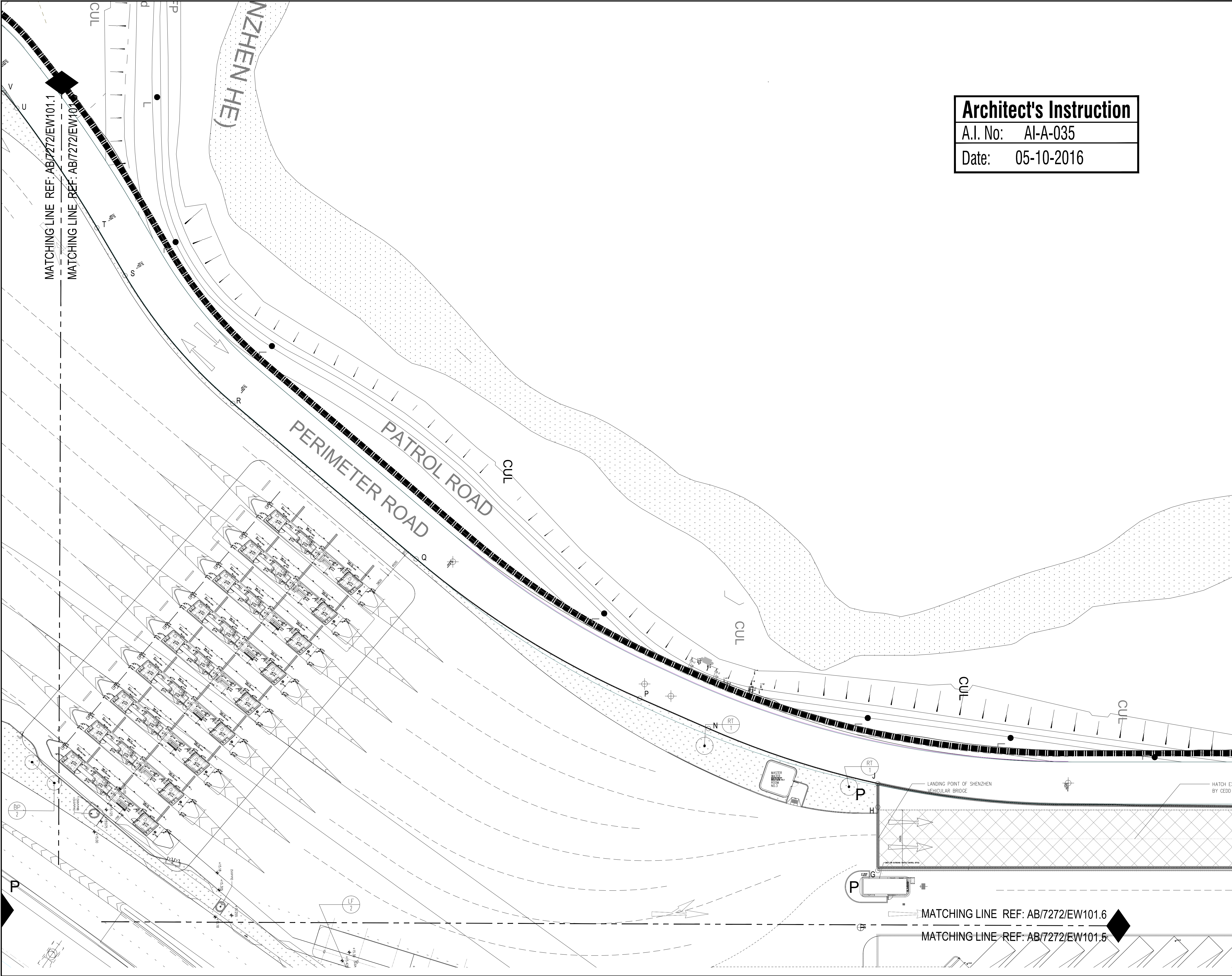
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Drawing No. : AB/7272/EW101.5	Rev.3	Scale : 1:300 (A1) 1:600 (A3)
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Signed	Date
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DRAWING FILE NAME : AB7272EW101.5.DWG



Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016

Notes :

KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW101.1

Legend:

P

Planting area

1	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CO-
0	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF /ALL/CO-
0	01-08-14	ISSUE FOR TENDER	HOP /HUF /ALL/CO-
ISSUE	DATE	DESCRIPTION	Initial

Revision :

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	Name	Signed	Date
Designed :	HOP		05-10-2016
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. : SS C505

File No. :

Programme No.: 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :
Planting Plan of Tree for Ground Floor (6 of 8)

1:300 (A1)
1:600 (A3)

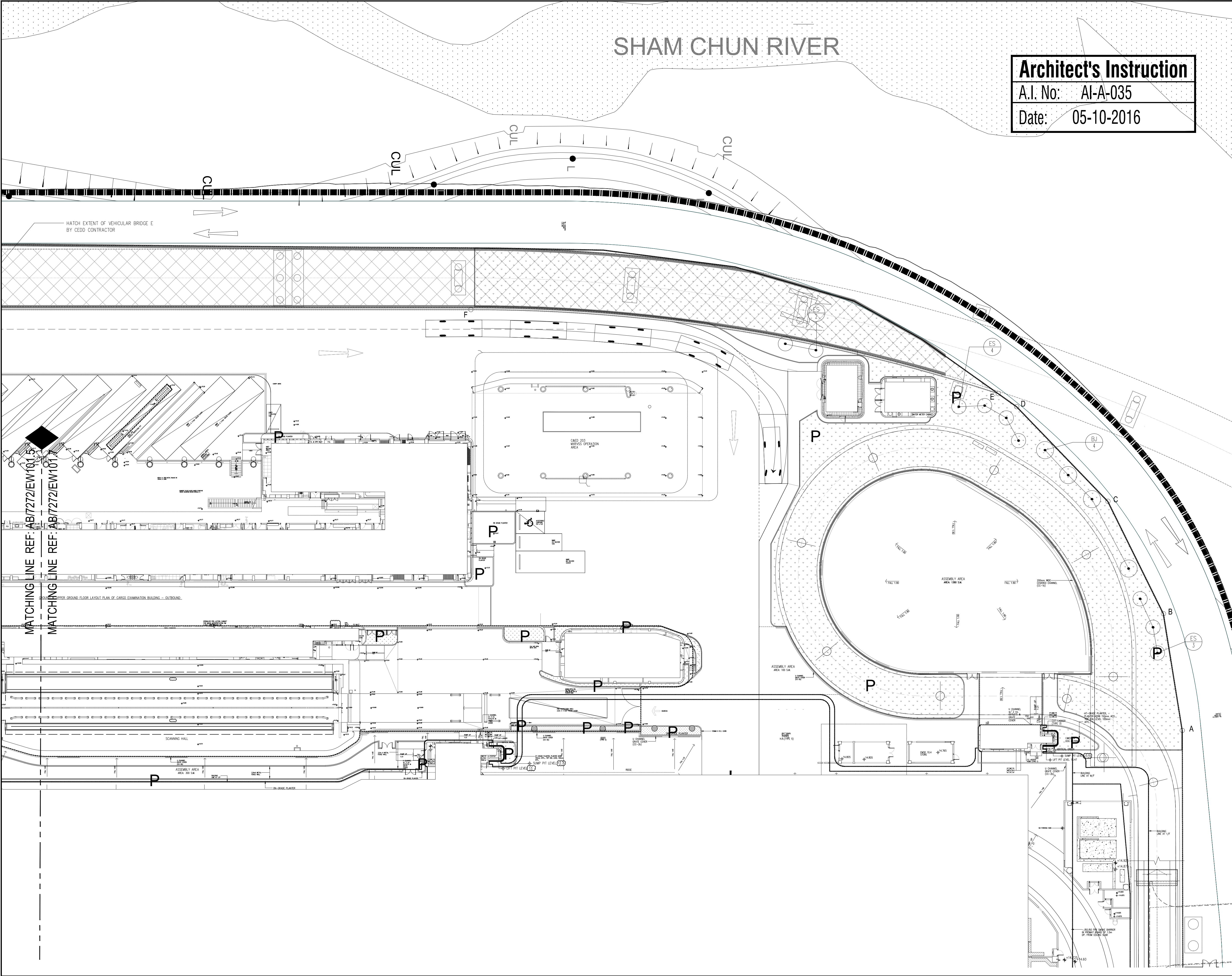
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AB/7272/EW101.6 Rev.1

Scale :
1:300 (A1)
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05-10-2016

Date

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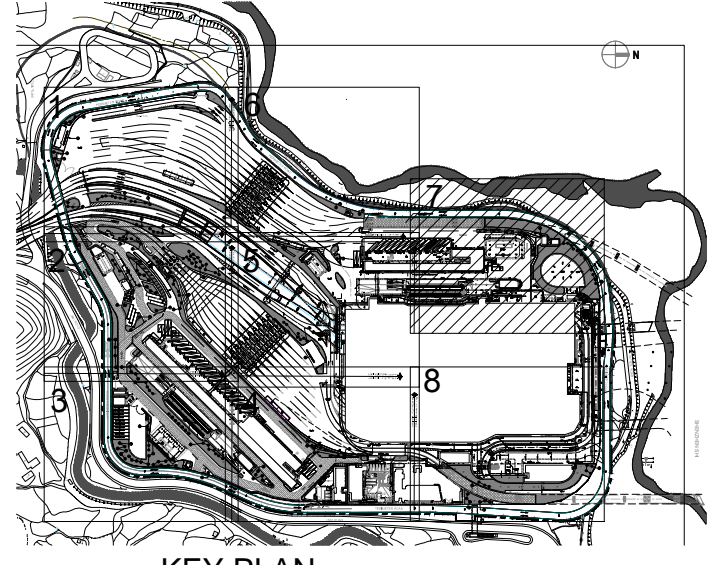
SHAM CHUN RIVER

Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016

Notes :



KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW101.1

Legend:
P Planting area

Issue	Date	Description	Initial
2	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CO
1	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CO
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CO
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CO

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	Name	Signed	Date
Designed :	HOP	[Signature]	05-10-2016
Drawn :	YEW	[Signature]	05-10-2016
Checked :	ALL	[Signature]	05-10-2016
Approved :	CCH	[Signature]	05-10-2016

Contract No. : SS C505

File No. :

Programme No. : 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :

Planting Plan of Tree for Ground Floor (7 of 8)

1:300 (A1)
1:600 (A3)

Drawing No. : AB/7272/EW101.7 Rev.2

Scale : 1:300 (A1)
1:600 (A3)

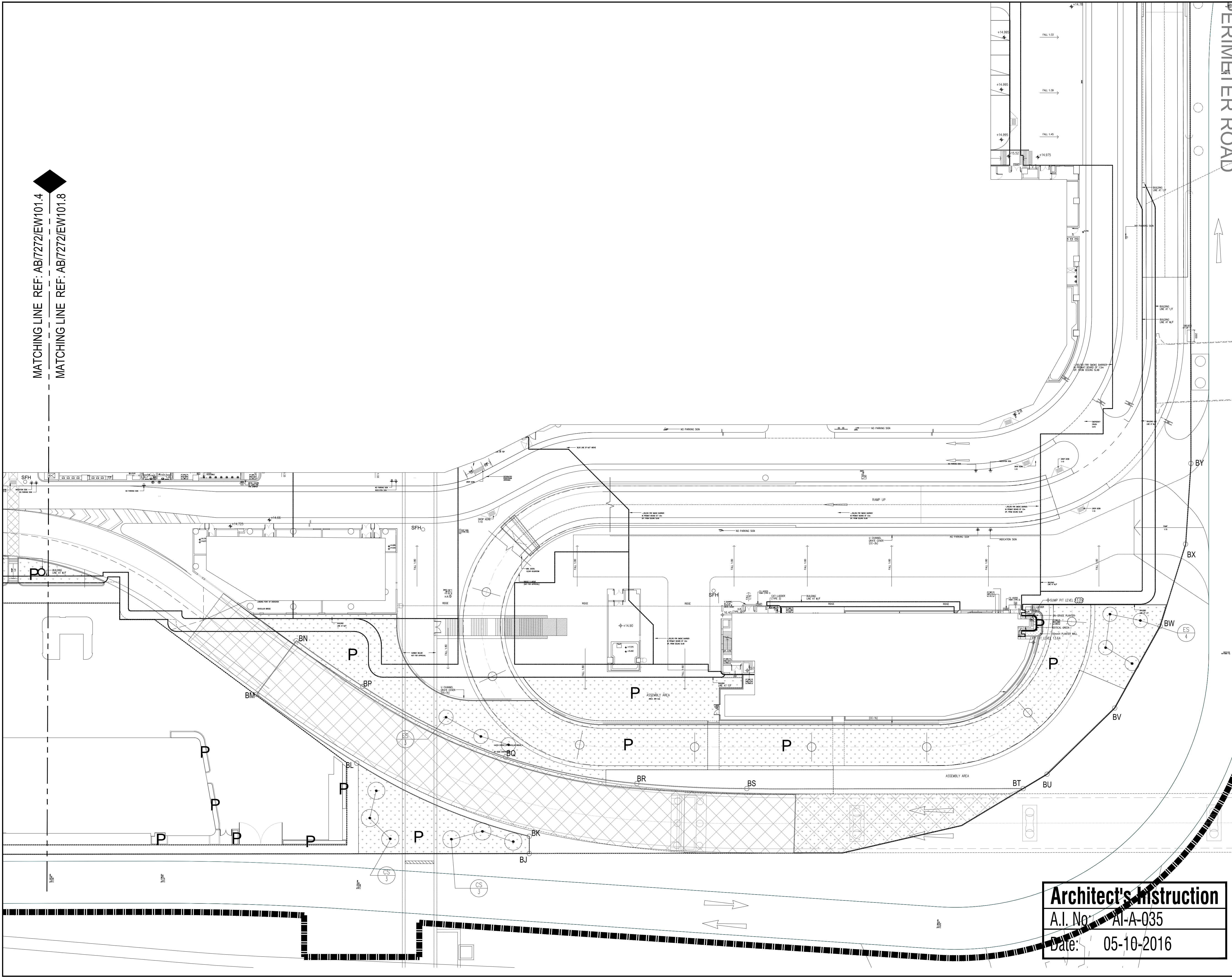
05-10-2016
Date

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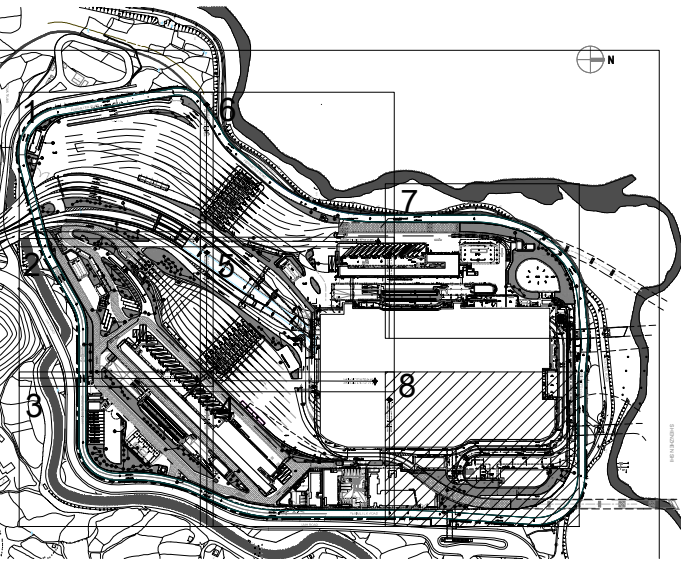
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MATCHING LINE REF: AB/7272/EW101.4

MATCHING LINE REF: AB/7272/EW101.8



Notes :



KEY PLAN
SCALE : N.T.S.

Note:

Planting Schedule refer to AB/7272/EW101.1

Legend:

P Planting area

1	05-10-16	ISSUE FOR CONSTRUCTION	HOP / YEW / ALL / CCH
0	21-07-15	ISSUE FOR CONSTRUCTION	HOP / HUF / ALL / CCH
0	01-08-14	ISSUE FOR TENDER	HOP / HUF / ALL / CCH

Revision :

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Designed :	HOP	Name	Signed	Date
Drawn :	YEW			05-10-2016
Checked :	ALL			05-10-2016
Approved :	CCH			05-10-2016

Contract No. : SS C505

File No. :

Programme No. : 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

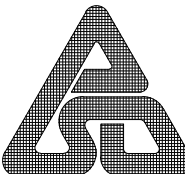
Drawing Title :

Planting Plan of Tree for Ground Floor (8 of 8)

1:300 (A1)
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Drawing No. : AB/7272/EW101.8 Rev.1
Scale : 1:300 (A1)
1:600 (A3)

Signed :
Date : 05-10-2016

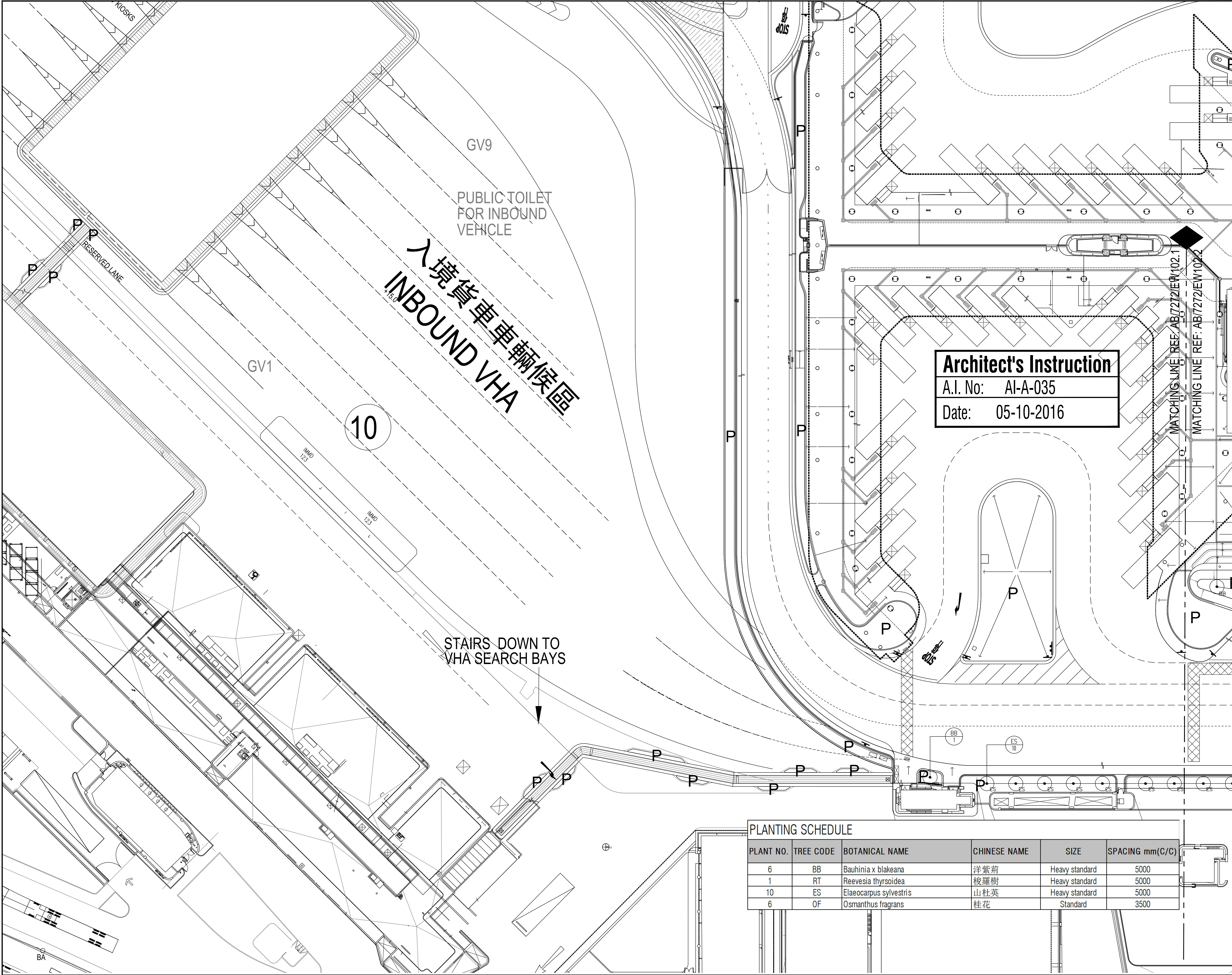


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A.I. No. AI-A-035

Date: 05-10-2016

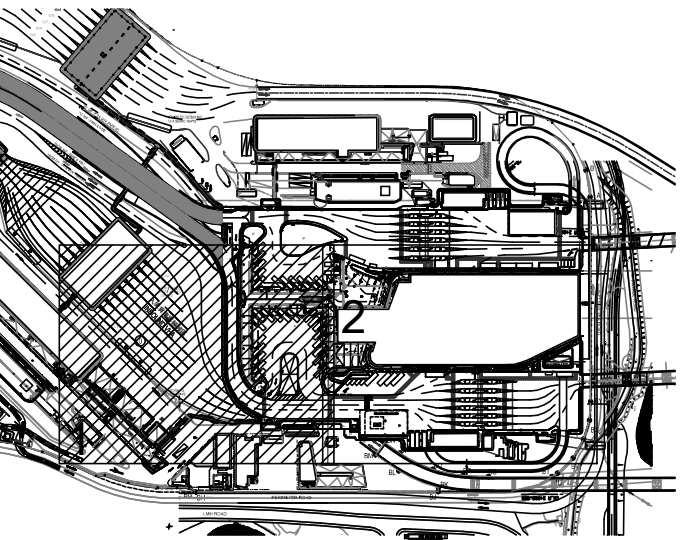


Architect's Instruction
A.I. No: AI-A-035
Date: 05-10-2016

PLANTING SCHEDULE

PLANT NO.	TREE CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING mm(C/C)
6	BB	Bauhinia x blakeana	洋紫荊	Heavy standard	5000
1	RT	Reevesia thyrsoidea	梭羅樹	Heavy standard	5000
10	ES	Elaeocarpus sylvestris	山杜英	Heavy standard	5000
6	OF	Osmanthus fragrans	桂花	Standard	3500

Notes :



KEY PLAN
SCALE : N.T.S.

Legend:

P Planting area

1	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CCH
0	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP /HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

Revision :

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Drawn :	YEW			05-10-2016
Checked :	ALL			05-10-2016
Approved :	CCH			05-10-2016

Contract No. :	SS C505
File No. :	
Programme No.:	13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

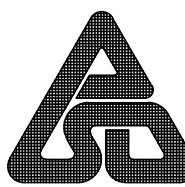
Drawing Title :

Planting Plan of Tree for Podium Floor (1 of 2)

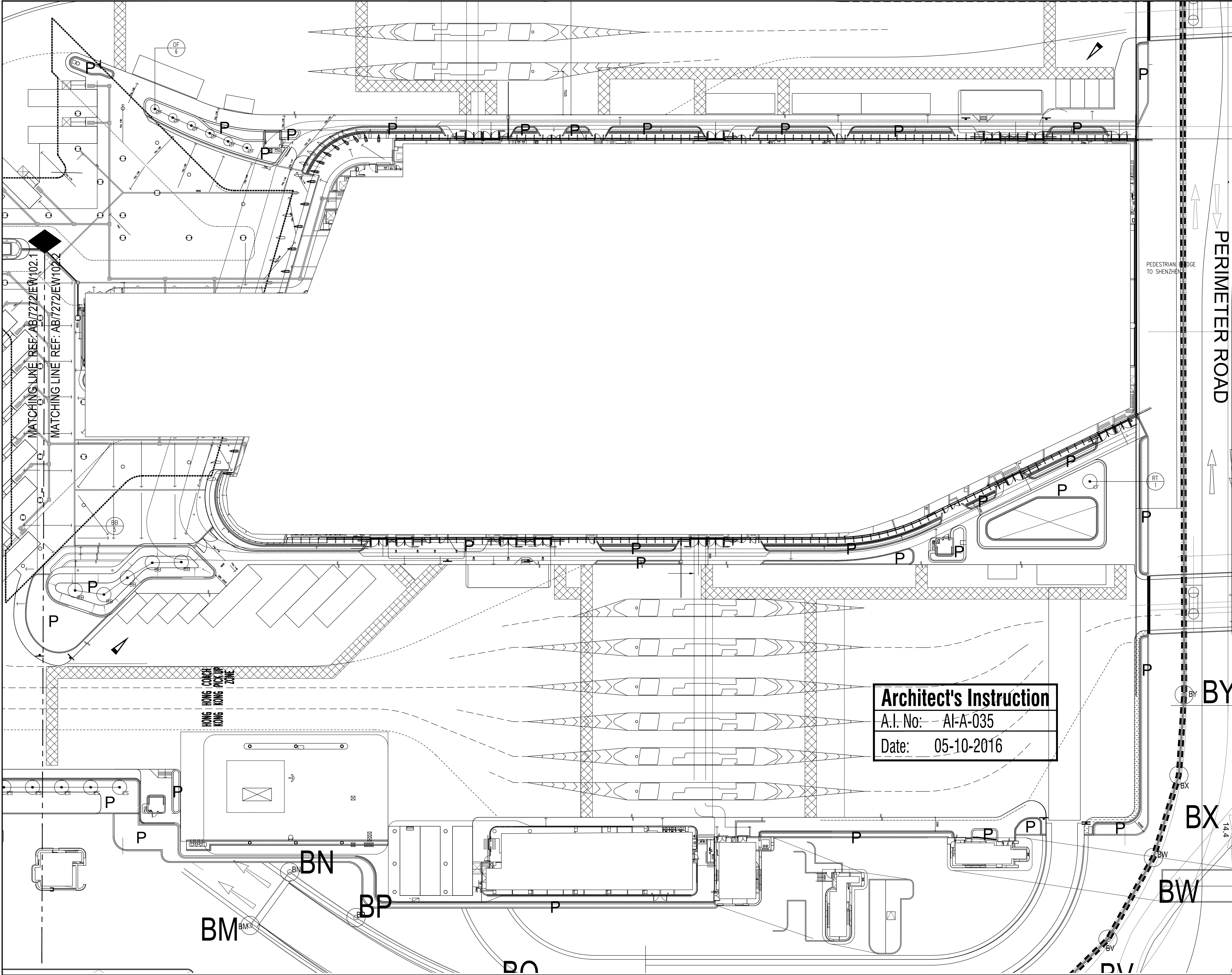
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Drawing No. : AB/7272/EW102.1 Rev.1	Scale : 1:300 (A1) 1:600 (A3)
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05-10-2016
Date

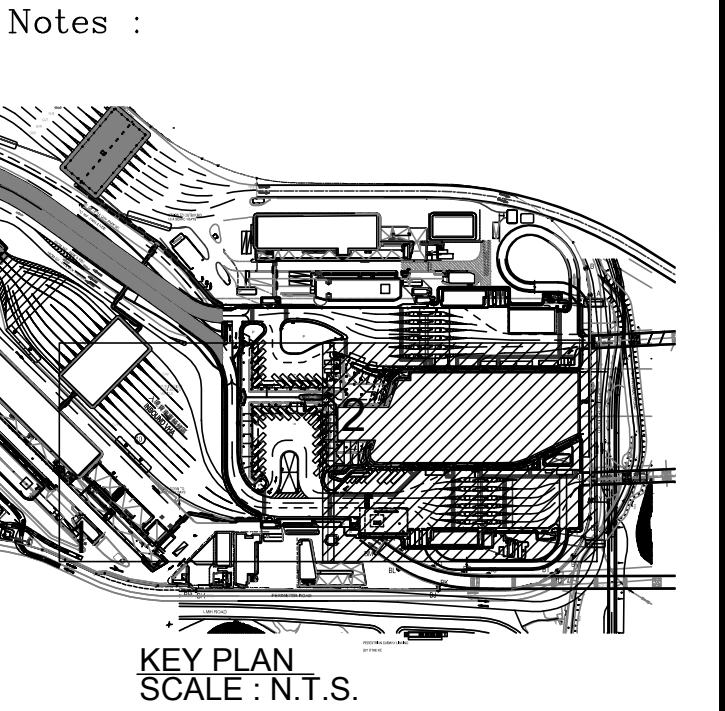


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MATCHING LINE REF: AB/7272/EW102.1
MATCHING LINE REF: AB/7272/EW102.2

Architect's Instruction
A.I. No: - AI-A-035
Date: 05-10-2016



Note:
Planting Schedule refer to AB/7272/EW102.1

Legend:
P Planting area

1	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CCH
0	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP /HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

Revision :
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Drawn :	YEW			05-10-2016
Checked :	ALL			05-10-2016
Approved :	CCH			05-10-2016

Contract No. : SS C505

File No. :

Programme No.: 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

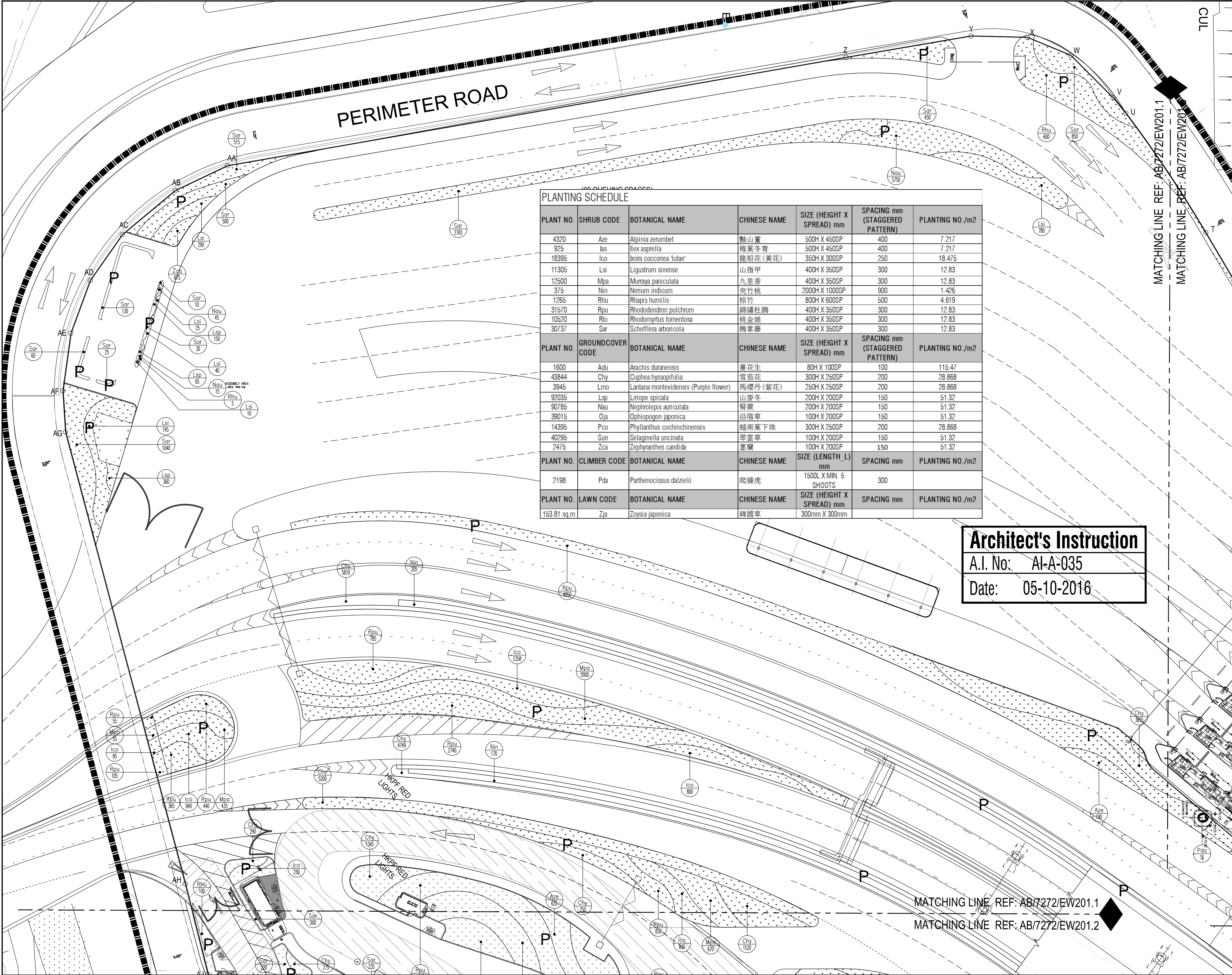
Drawing Title :
Planting Plan of Tree for Podium Floor (2 of 2)

1:300 (A1)
1:600 (A3)

Drawing No. : AB/7272/EW102.2 Rev.1
Scale : 1:300 (A1)
1:600 (A3)

05-10-2016
Date

ARCHITECTURAL SERVICES DEPARTMENT



PLANTING SCHEDULE						
PLANT NO.	SHRUB CODE	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT X SPREAD) mm	SPACING mm (STAGGERED PATTERN)	PLANTING NO./m2
4320	Aze	Alpinia zerumbet	豔山薑	500H X 450SP	400	7.217
925	Ias	Ilex asprella	梅葉冬青	500H X 450SP	400	7.217
18395	Ico	Ixora coccinea 'lutae'	龍船花 (黃花)	350H X 300SP	250	18.475
11305	Lsi	Ligustrum sinense	山指甲	400H X 350SP	300	12.83
12500	Mpa	Murraya paniculata	九里香	400H X 350SP	300	12.83
375	Nin	Nerium indicum	夾竹桃	2000H X 1000SP	900	1.426
1265	Rhu	Rhapis humilis	棕竹	800H X 600SP	500	4.619
31570	Rpu	Rhododendron pulchrum	錦繡杜鵑	400H X 350SP	300	12.83
10520	Rto	Rhodomyrtus tomentosa	桃金娘	400H X 350SP	300	12.83
30737	Sar	Schefflera arboricola	鵝掌藤	400H X 350SP	300	12.83
PLANT NO.	GROUND COVER CODE	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT X SPREAD) mm	SPACING mm (STAGGERED PATTERN)	PLANTING NO./m2
1600	Adu	Arachis duranensis	蔓花生	80H X 100SP	100	115.47
43844	Chy	Cuphea hyssopifolia	雪茄花	300H X 250SP	200	28.868
3945	Lmo	Lantana montevidensis (Purple flower)	馬纓丹 (紫花)	250H X 250SP	200	28.868
92035	Lsp	Liriope spicata	山麥冬	200H X 200SP	150	51.32
90785	Nau	Nephrolepis auriculata	腎蕨	200H X 200SP	150	51.32
39015	Oja	Ophiopogon japonica	沿階草	100H X 200SP	150	51.32
14395	Pco	Phyllanthus cochinchinensis	越南葉下珠	300H X 250SP	200	28.868
40295	Sun	Selaginella uncinata	翠雲草	100H X 200SP	150	51.32
2475	Zca	Zephyranthes candida	蔥蘭	100H X 200SP	150	51.32
PLANT NO.	CLIMBER CODE	BOTANICAL NAME	CHINESE NAME	SIZE (LENGTH L) mm	SPACING mm	PLANTING NO./m2
2198	Pda	Parthenocissus dalzielii	爬牆虎	1500L X MIN. 5 SHOOTS	300	
PLANT NO.	LAWN CODE	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT X SPREAD) mm	SPACING mm	PLANTING NO./m2
153.81 sq.m	Zja	Zoysia japonica	韓國草	300mm X 300mm		

Architect's Instruction
A.I. No: AI-A-035
Date: 05-10-2016

Notes :

KEY PLAN
SCALE: 1:N.T.S.

Legend:

P

Planting area

Location of vertical greening

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

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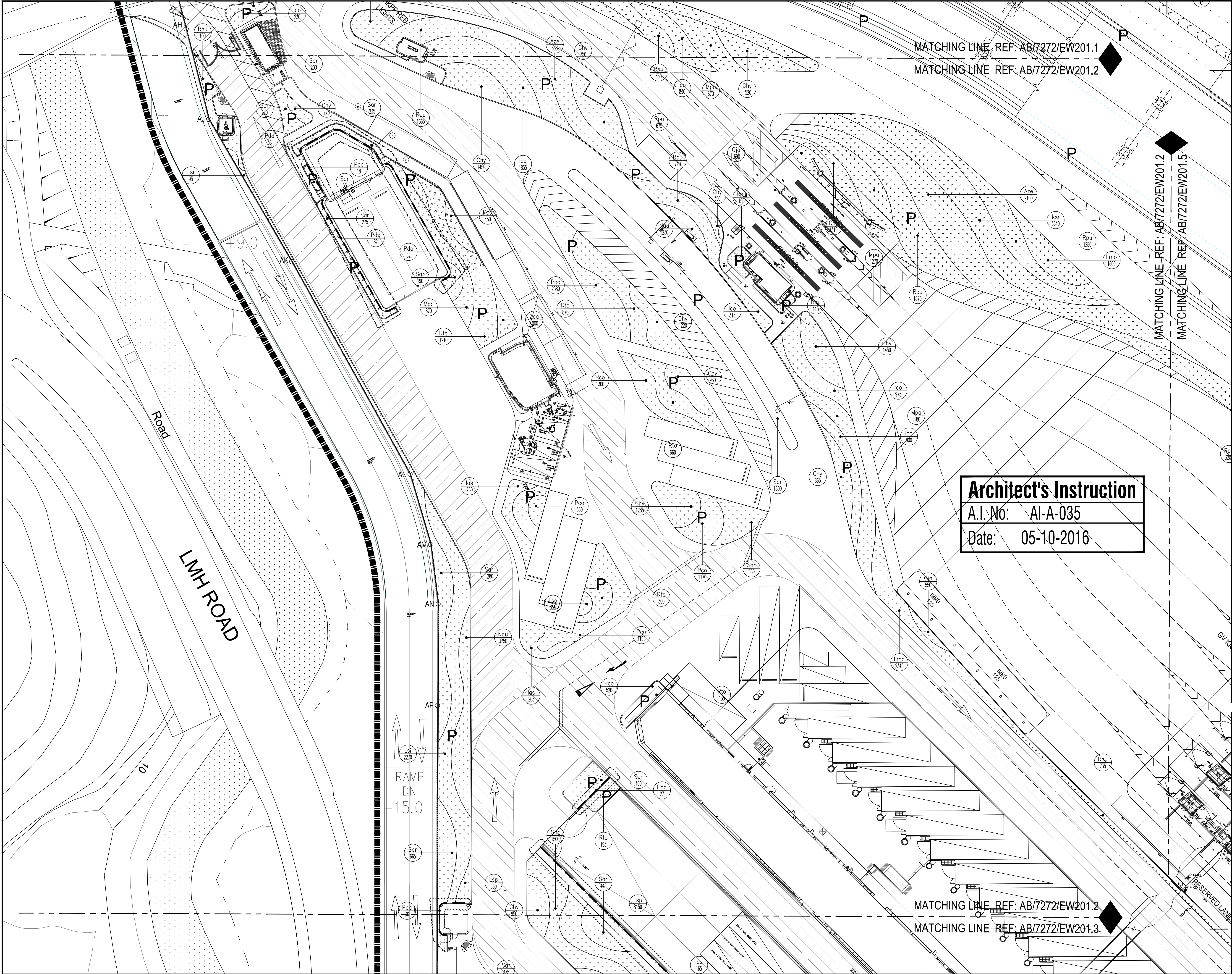
Designed :	HOP	Name	Signed	Date
Drawn :	YEW			05-10-2016
Checked :	ALL			05-10-2016
Approved :	CCH			05-10-2016

Contract No. :	SS C505
File No. :	
Programme No.:	13 GB-5
Contract Title :	CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (BCP) - BCP BUILDINGS AND ASSOCIATED FACILITIES
Drawing Title :	Planting Plan of Shrub for Ground Floor (1 of 8)
Drawing No. :	AB/7272/EW201.1
Rev.3	Scale : 1:300 (A1) 1:600 (A3)
Signed	05-10-2016 Date

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DRAWING FILE NAME : AB7272EW201.1.DWG

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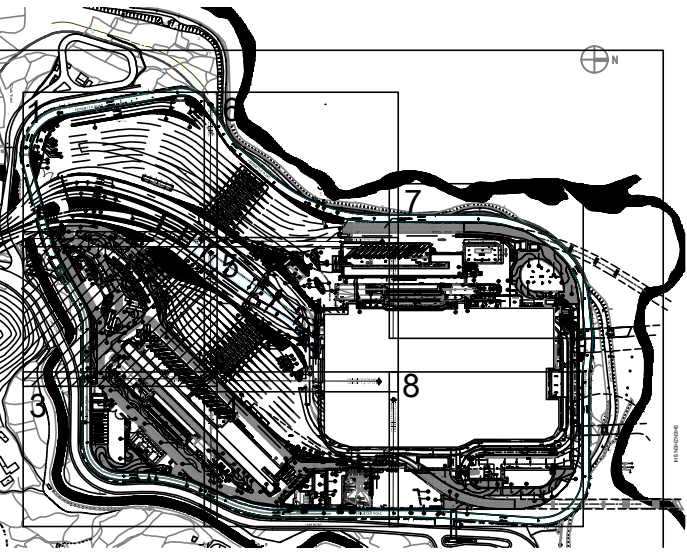


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MATCHING LINE REF: AB/7272/EW201.2
MATCHING LINE REF: AB/7272/EW201.5

Architect's Instruction
A.I. No: AI-A-035
Date: 05-10-2016

Notes :



KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW201.1

Legend:

- P Planting area
- Location of vertical greening

ISSUE	DATE	DESCRIPTION	Initial
3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/JAL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/JAL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/JAL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/JAL/CCH

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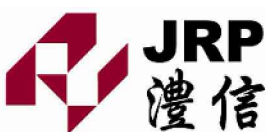
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Designed :	HOP		05-10-2016
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. : SS C505

File No. :

Programme No. : 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

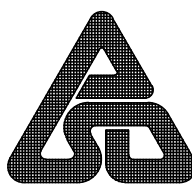
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Planting Plan of Shrub for Ground Floor (2 of 8)

1:300 (A1)
1:600 (A3)

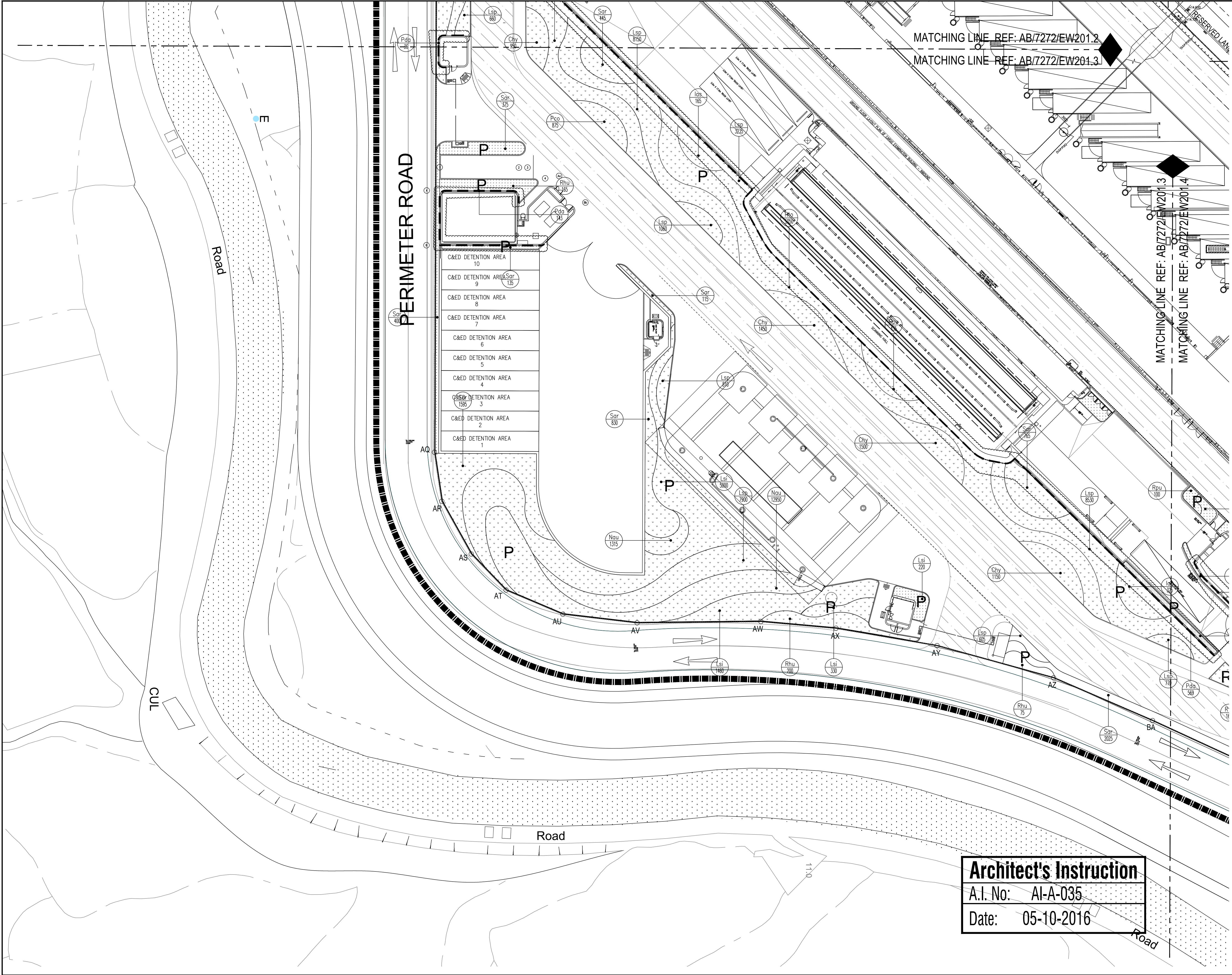
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Scale :
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1:600 (A3)
05-10-2016
Date



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DRAWING FILE NAME : AB/7272/EW201.2.DWG



Notes :

KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW201.1

Legend:

P

Planting area

Location of vertical greening

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP / YEW / ALL / CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP / HUF / ALL / CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP / HUF / ALL / CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP / HUF / ALL / CCH
0	01-08-14	ISSUE FOR TENDER	HOP / HUF / ALL / CCH
ISSUE	DATE	DESCRIPTION	Initial

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Designed :	HOP		05-10-2016
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

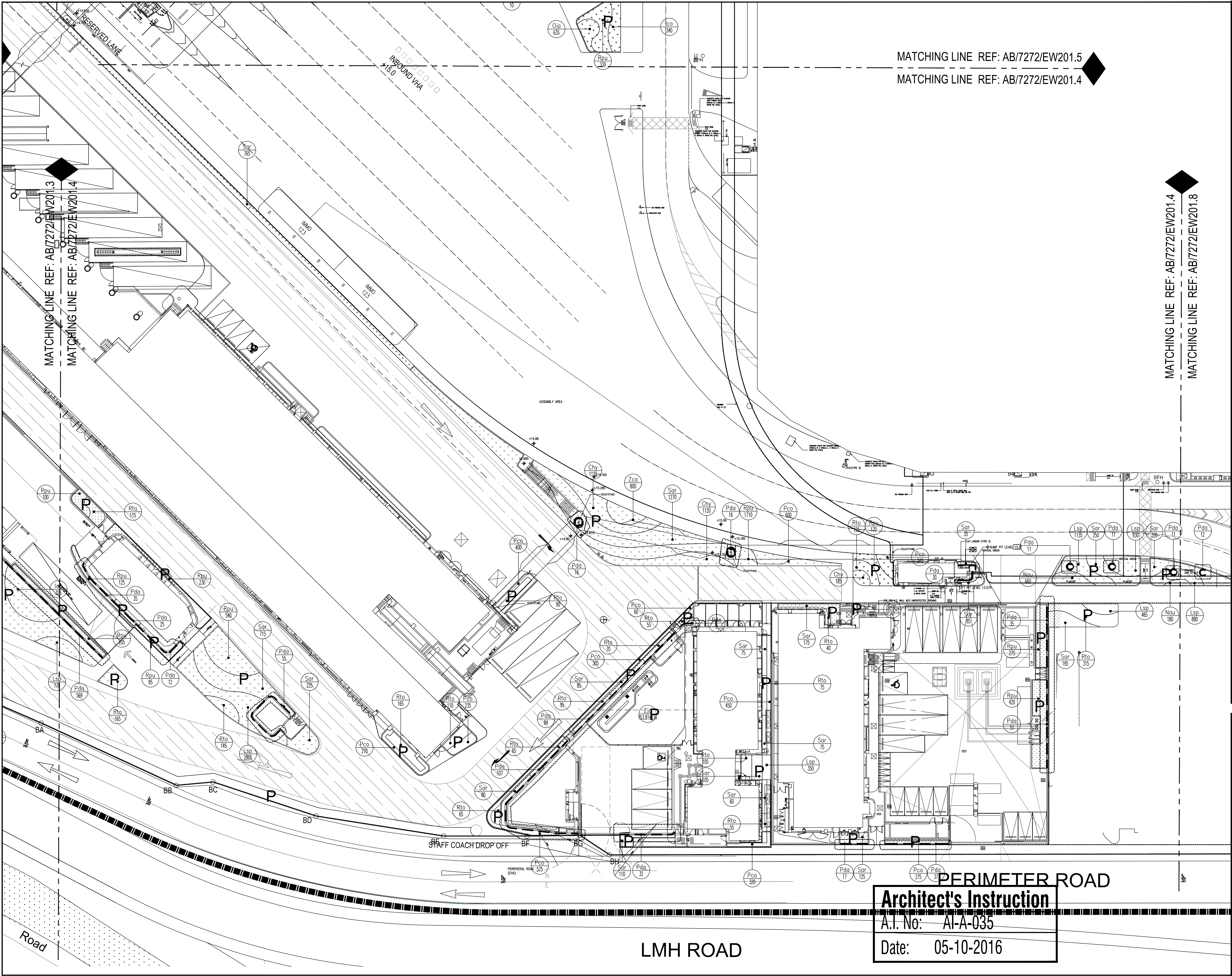
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Programme No.:	13 GB-5
Contract Title :	CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (BCP) - BCP BUILDINGS AND ASSOCIATED FACILITIES
Drawing Title :	Planting Plan of Shrub for Ground Floor (3 of 8)
Drawing No. :	AB/7272/EW201.3 Rev.3
Signed	Date
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DRAWING FILE NAME : AB7272EW201.3.DWG

Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016



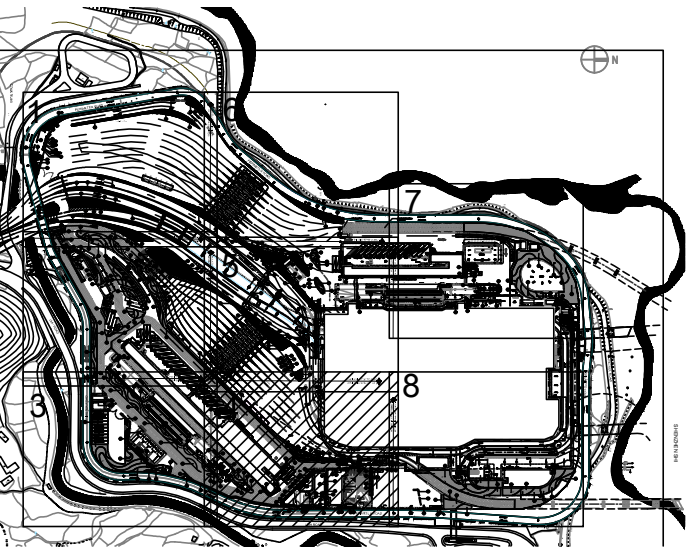
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MATCHING LINE REF: AB/7272/EW201.4

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Notes :



KEY PLAN
SCALE : N.T.S.

Note:

Planting Schedule refer to AB/7272/EW201.1

Legend:

- P Planting area
- Location of vertical greening

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF/ALL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP /HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP /HUF/ALL/CCH
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ISSUE	DATE	DESCRIPTION	Initial

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Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. : SS C505

File No. :

Programme No. : 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

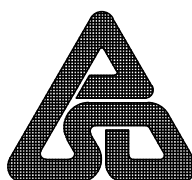
Drawing Title :

Planting Plan of Shrub for Ground Floor (4 of 8)

1:300 (A1)
1:600 (A3)

Drawing No. : AB/7272/EW201.4 Rev.3
Scale : 1:300 (A1)
1:600 (A3)

Signed
Date

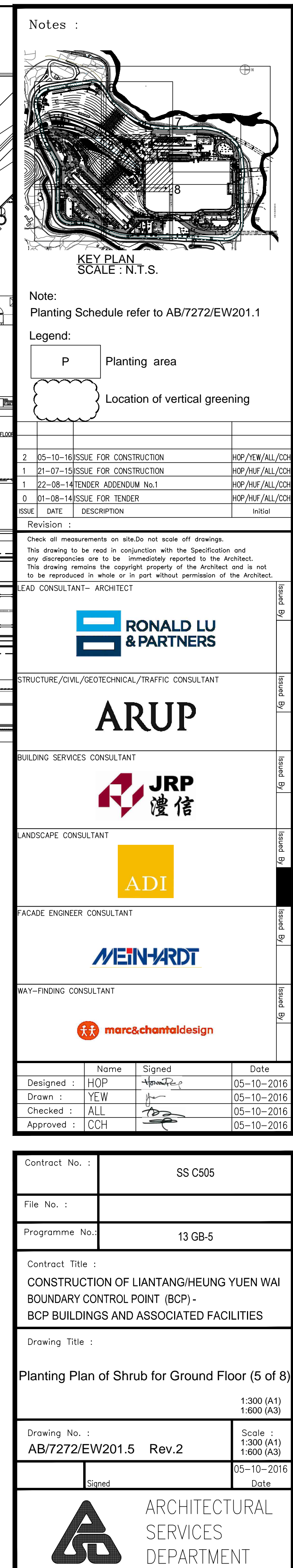


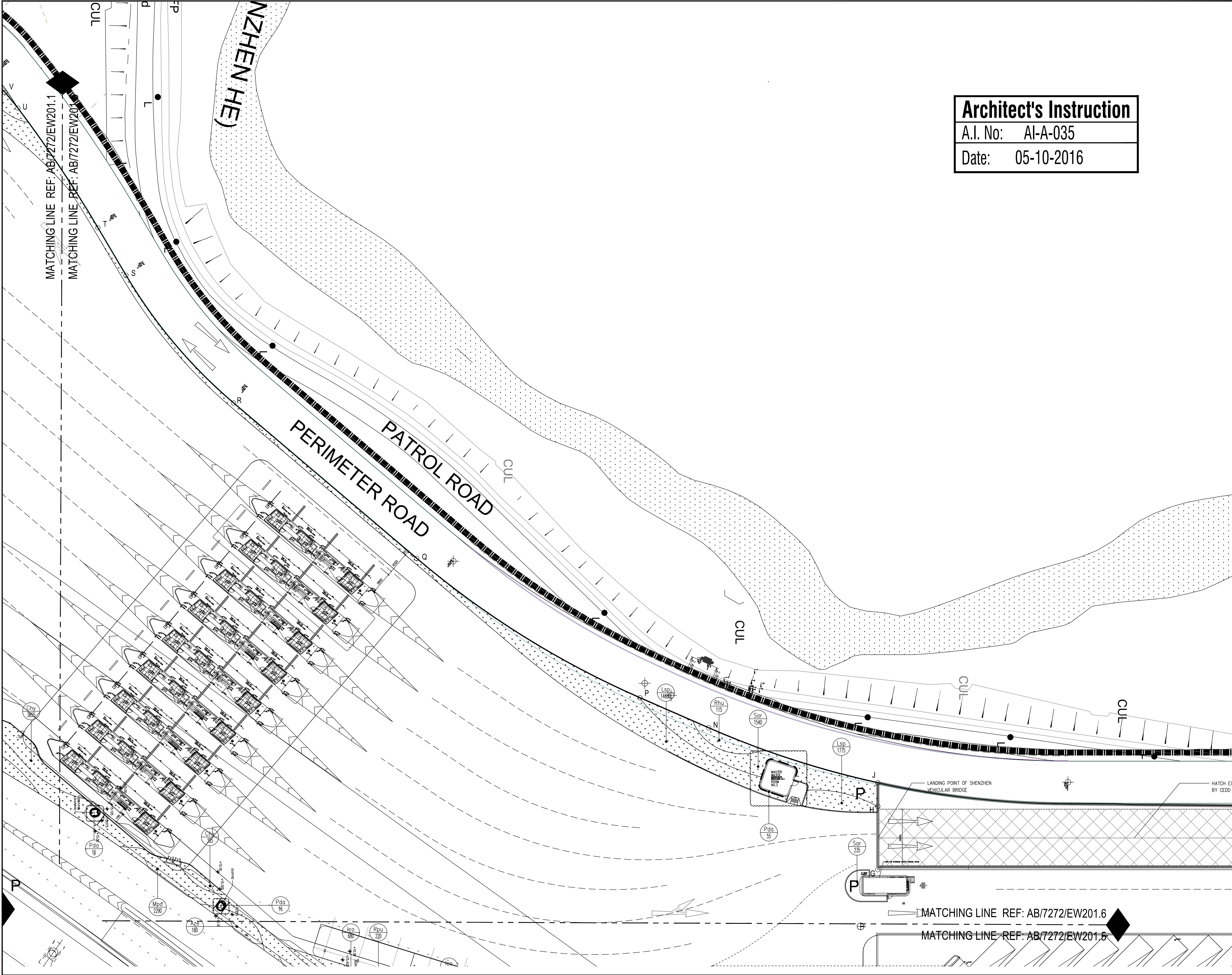
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Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016





Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016

Notes :

KEY PLAN
SCALE: N.T.S.

Note:
Planting Schedule refer to AB/7272/EW201.1

Legend:

P

Planting area
Location of vertical greening

1	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CCH
0	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP /HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

Revision :

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Designed :	Name	Signed	Date
Drawn :	HOP		05-10-2016
Checked :	YEW		05-10-2016
Approved :	ALL		05-10-2016
	CCH		05-10-2016

Contract No. : SS C505

File No. :

Programme No.: 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :
Planting Plan of Shrub for Ground Floor (6 of 8)

1:300 (A1)
1:600 (A3)

Drawing No. :
AB/7272/EW201.6 Rev.1

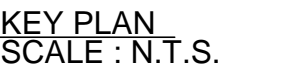
Scale :
1:300 (A1)
1:600 (A3)

05-10-2016

Date

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Date: 05-10-2016



Location of vertical greening

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CC/
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CC/
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/ALL/CC/
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CC/
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CC/
ISSUE	DATE	DESCRIPTION	Initial







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	Name	Signed	Date
Designed :	HOP		05-10-2016
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. :	SS C505
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File No. :	
Programme No.:	13 GB-5

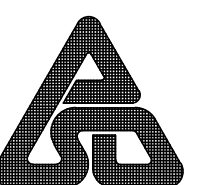
Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :

Planting Plan of Shrub for Ground Floor (7 of 8)

400 (A1)
600 (A3)

Drawing No. :
AB/7272/EW201.7 Rev.3

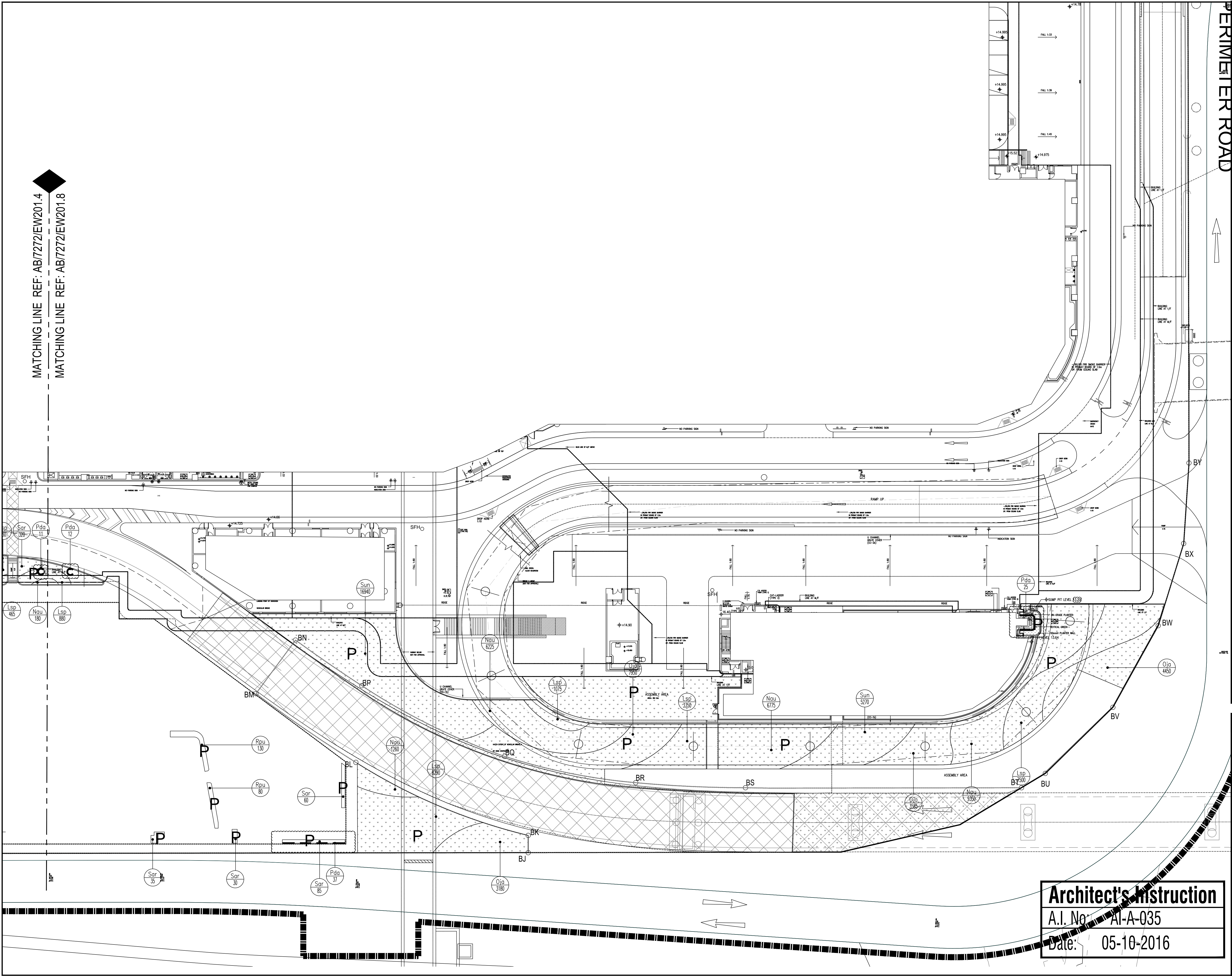
10-2016
DateARCHITECTURAL
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DRAWING FILE NAME : AB7272EW201.7.DWG

K:\Projects\RLPL06A\tender drawing\2017-06-22 updated planting plan for LMP submisison\AB7272EW201.7-3.dwg, ISO full bleed A1 (841.00 x 594.00 MM), 1:1

MATCHING LINE REF: AB/7272/EW201.4

MATCHING LINE REF: AB/7272/EW201.8



Notes :

KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW201.1

Legend:

P Planting area

Location of vertical greening

ISSUE	DATE	DESCRIPTION	Initial
3	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF/ALL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP /HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP /HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP /HUF/ALL/CCH

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Approved :	CCH		05-10-2016

Architect's Instruction

A.I. No. AI-A-035

Date: 05-10-2016

Contract No. : SS C505

File No. :

Programme No.: 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :
Planting Plan of Shrub for Ground Floor (8 of 8)

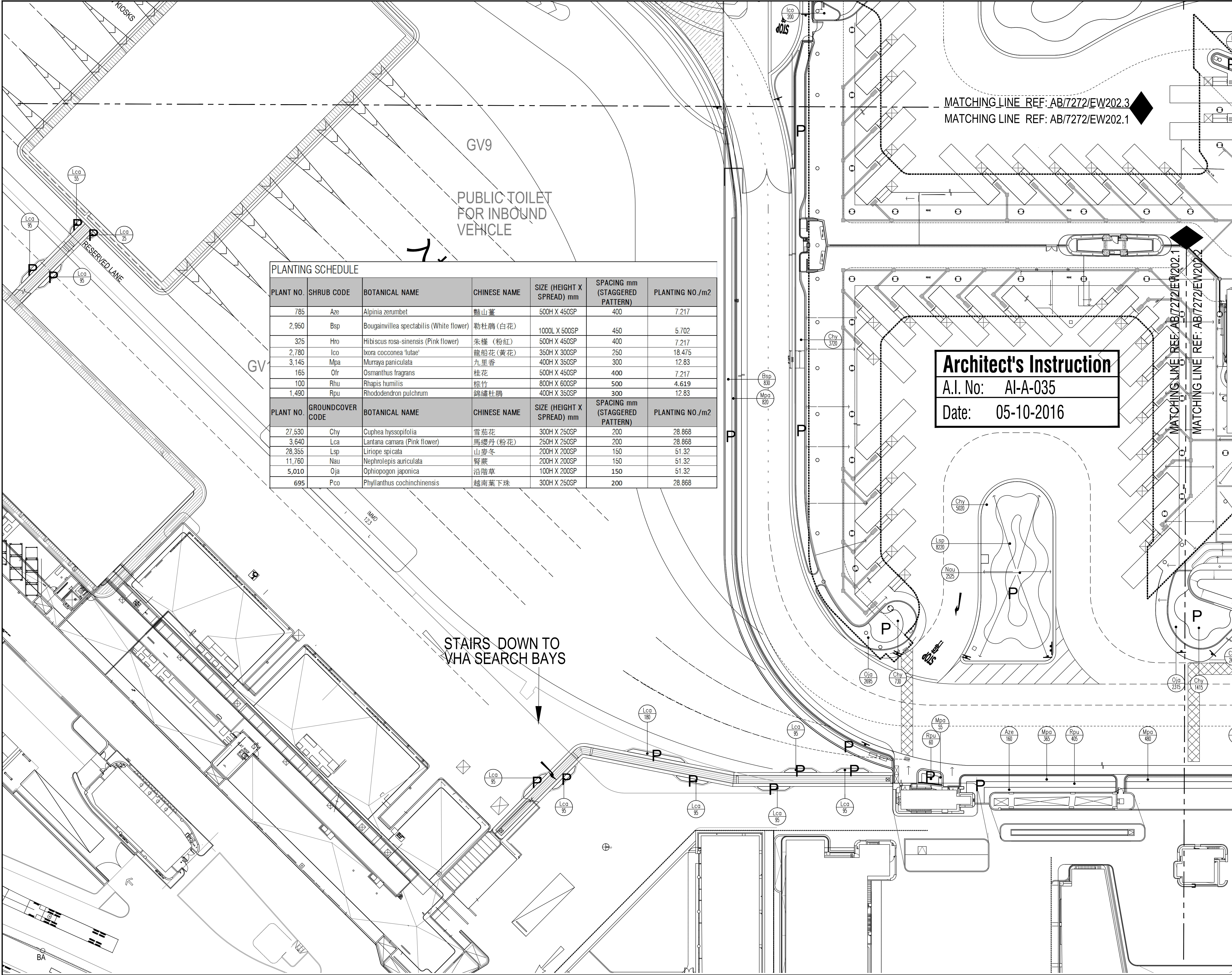
Drawing No. : AB/7272/EW201.8 Rev.3

Scale :
1:300 (A1)
1:600 (A3)

Signed

Date

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PLANTING SCHEDULE						
PLANT NO.	SHRUB CODE	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT X SPREAD) mm	SPACING mm (STAGGERED PATTERN)	PLANTING NO./m2
785	Aze	Alpinia zerumbet	豨山薑	500H X 450SP	400	7.217
2,950	Bsp	Bougainvillea spectabilis (White flower)	勒杜鹃 (白花)	1000L X 500SP	450	5.702
325	Hro	Hibiscus rosa-sinensis (Pink flower)	朱槿 (粉紅)	500H X 450SP	400	7.217
2,780	Lco	bxora coconeae 'lutae'	龍船花 (黃花)	350H X 300SP	250	18.475
3,145	Mpa	Murraya paniculata	九里香	400H X 350SP	300	12.83
165	Ofr	Osmanthus fragrans	桂花	500H X 450SP	400	7.217
100	Rhu	Rhapis humilis	棕竹	800H X 600SP	500	4.619
1,490	Rpu	Rhododendron pulchrum	錦繡杜鵑	400H X 350SP	300	12.83
PLANT NO.	GROUND COVER CODE	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT X SPREAD) mm	SPACING mm (STAGGERED PATTERN)	PLANTING NO./m2
27,530	Chy	Cuphea hyssopifolia	雪茄花	300H X 250SP	200	28.868
3,640	Lca	Lantana camara (Pink flower)	馬纓丹 (粉花)	250H X 250SP	200	28.868
28,355	Lsp	Liriope spicata	山麥冬	200H X 200SP	150	51.32
11,760	Nau	Nephrolepis auriculata	腎蕨	200H X 200SP	150	51.32
5,010	Oja	Ophiopogon japonica	沿階草	100H X 200SP	150	51.32
695	Pco	Phyllanthus cochinchinensis	越南葉下珠	300H X 250SP	200	28.868

MATCHING LINE REF: AB/7272/EW202.3
MATCHING LINE REF: AB/7272/EW202.1

Architect's Instruction
A.I. No: AI-A-035
Date: 05-10-2016

Notes :

KEY PLAN
SCALE : N.T.S.

Legend:
P Planting area

2	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CCH
1	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP /HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP /HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

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Drawn :	YEW			05-10-2016
Checked :	ALL			05-10-2016
Approved :	CCH			05-10-2016

Contract No. : SS C505

File No. :

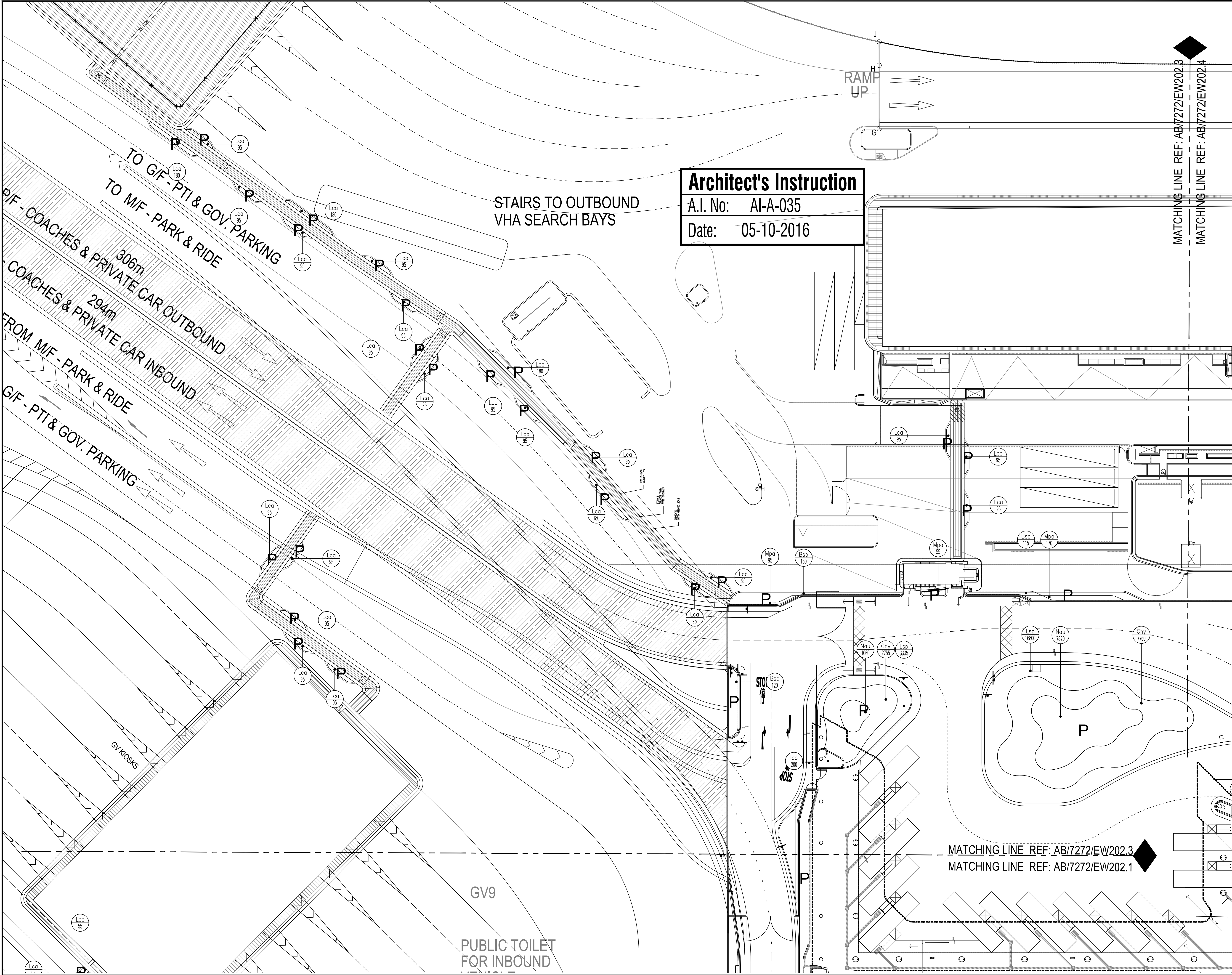
Programme No.: 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :
Planting Plan of Shrub for Podium Floor (1 of 4)

Drawing No. : AB/7272/EW202.1	Rev.2	Scale : 1:300 (A1) 1:600 (A3)	05-10-2016
Signed			Date

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Architect's Instruction
A.I. No: AI-A-035
Date: 05-10-2016

Notes :

KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW202.1

Legend:
P Planting area

ISSUE	DATE	DESCRIPTION	Initial
2	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CCH
1	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP /HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP /HUF/ALL/CCH

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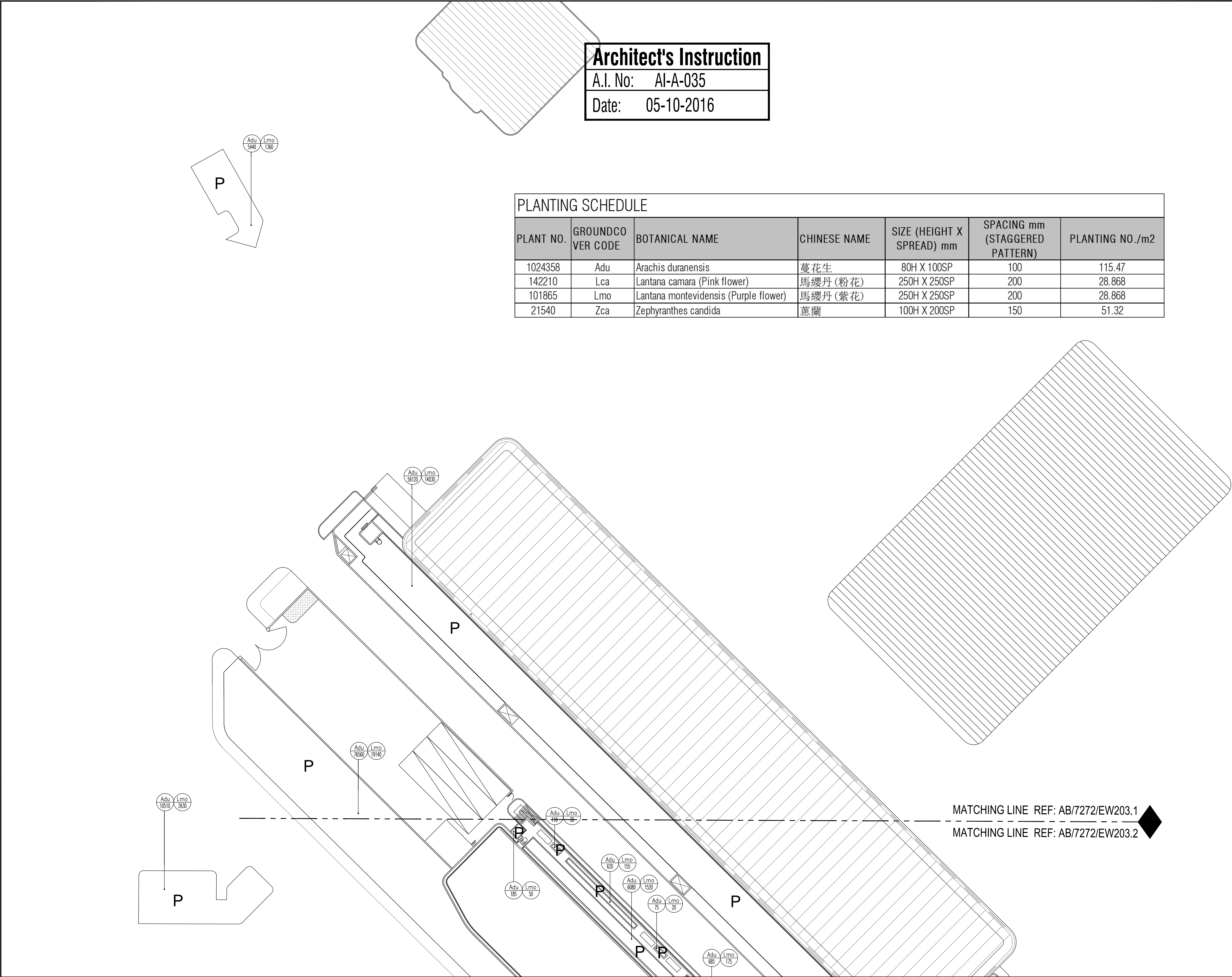
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	Name	Signed	Date
Designed :	HOP		05-10-2016
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. :	SS C505
File No. :	
Programme No.:	13 GB-5
Contract Title : CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (BCP) - BCP BUILDINGS AND ASSOCIATED FACILITIES	
Drawing Title : Planting Plan of Shrub for Podium Floor (3 of 4)	
Drawing No. : AB/7272/EW202.3 Rev.2	Scale : 1:300 (A1) 1:600 (A3)
Signed	Date 05-10-2016
<p>ARCHITECTURAL SERVICES DEPARTMENT</p>	

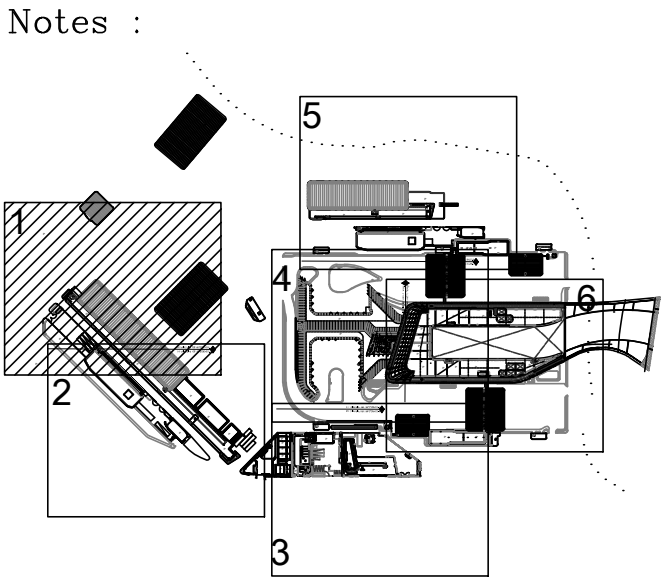


Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016

PLANTING SCHEDULE						
PLANT NO.	GROUND COVER CODE	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT X SPREAD) mm	SPACING mm (STAGGERED PATTERN)	PLANTING NO./m2
1024358	Adu	Arachis duranensis	蔓花生	80H X 100SP	100	115.47
142210	Lca	Lantana camara (Pink flower)	馬纓丹 (粉花)	250H X 250SP	200	28.868
101865	Lmo	Lantana montevidensis (Purple flower)	馬纓丹 (紫花)	250H X 250SP	200	28.868
21540	Zca	Zephyranthes candida	蔥蘭	100H X 200SP	150	51.32



KEY PLAN
SCALE : N.T.S.

Legend:

P

Planting area

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

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	Name	Signed	Date
Designed :	HOP		05-10-2016
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. :

SS C505

File No. :

Programme No.:

13 GB-5

Contract Title :

CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :

Planting Plan of Shrub for Roof Floor (1 of 6)

Drawing No. :
AB/7272/EW203.1

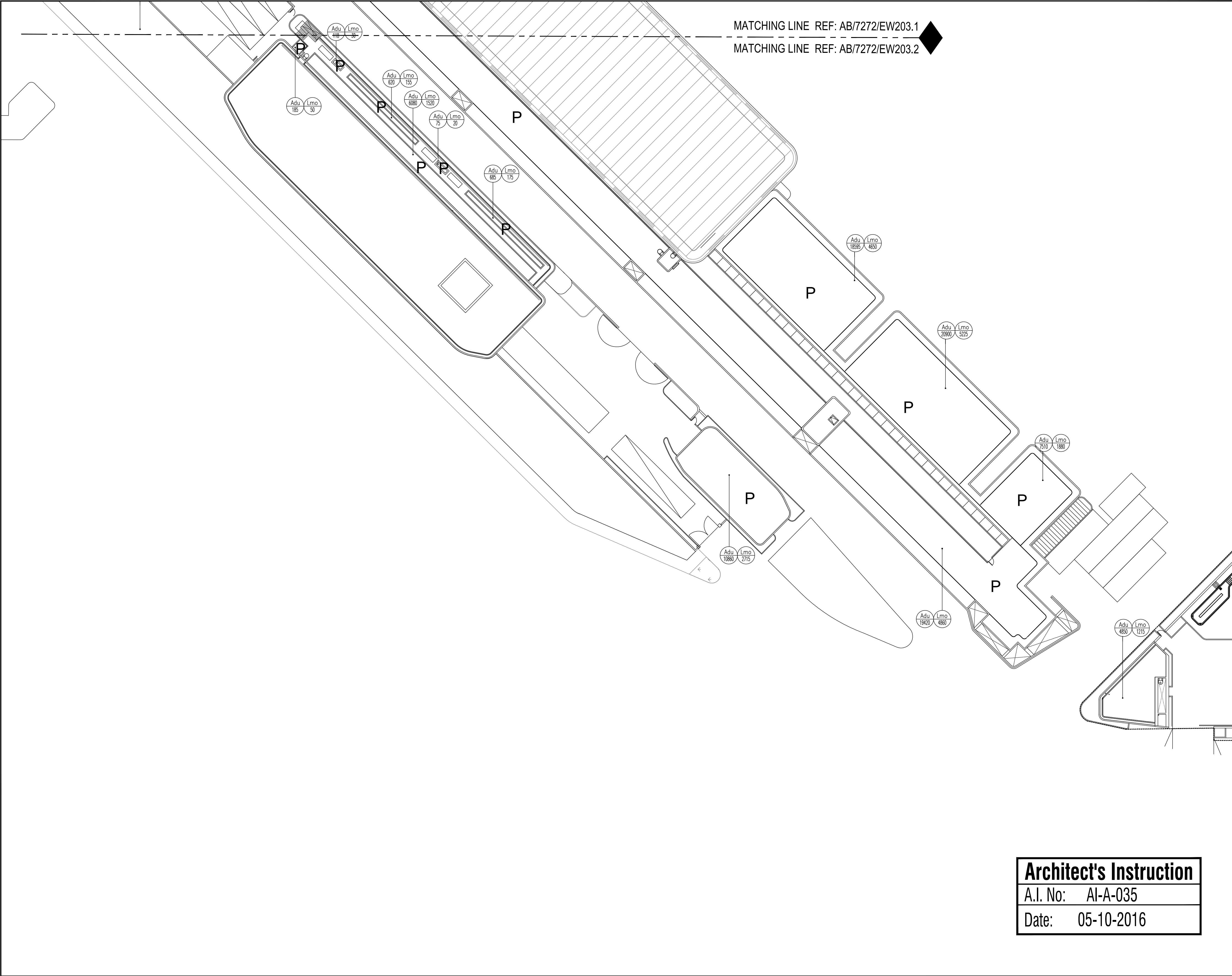
Rev.3

Scale :
1:300 (A1)
1:600 (A3)

Signed

Date

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Notes :

KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW203.1

Legend:

P

 Planting area

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

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Designed :	HOP		05-10-2016
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Architect's Instruction

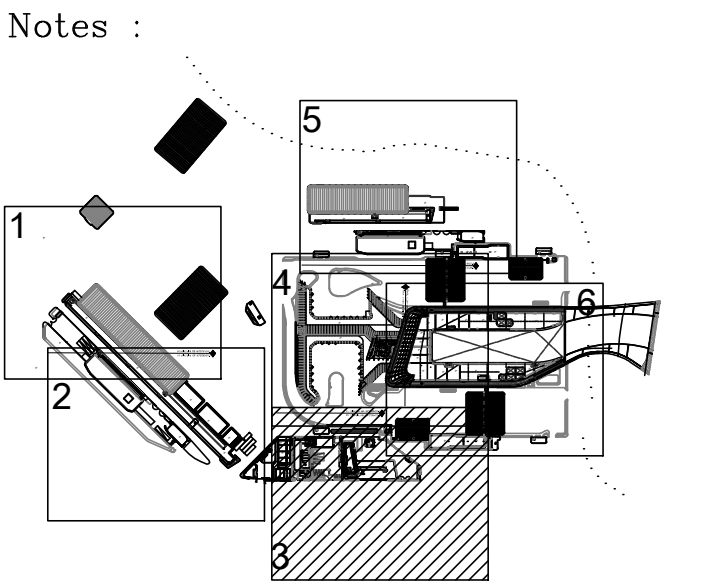
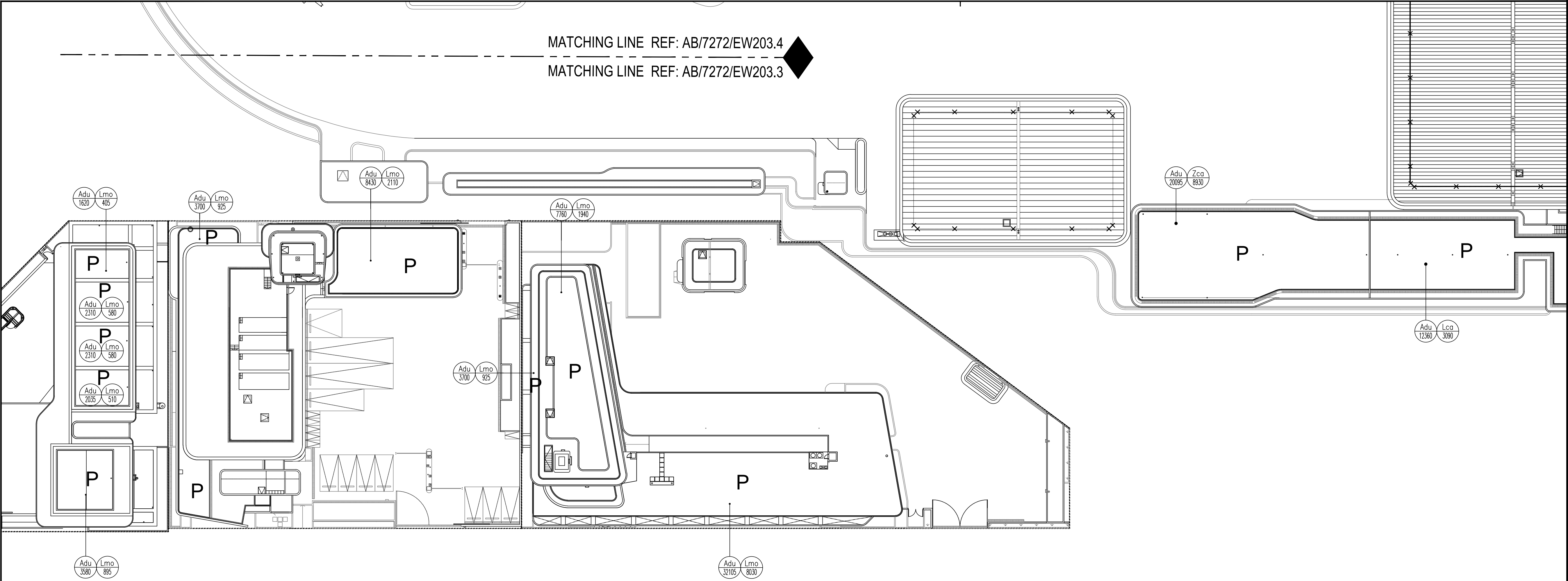
A.I. No: AI-A-035

Date: 05-10-2016

Contract No. :	SS C505
File No. :	
Programme No.:	13 GB-5
Contract Title :	CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (BCP) - BCP BUILDINGS AND ASSOCIATED FACILITIES
Drawing Title :	Planting Plan of Shrub for Roof Floor (2 of 6)
Drawing No. :	AB/7272/EW203.2 Rev.3
Signed	Date

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DRAWING FILE NAME : AB7272EW203.2.DWG



KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW203.1

Legend:
P Planting area

ISSUE	DATE	DESCRIPTION	Initial
2	05-10-16	ISSUE FOR CONSTRUCTION	HOP /YEW/ALL/CCH
1	21-07-15	ISSUE FOR CONSTRUCTION	HOP /HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP /HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP /HUF/ALL/CCH

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Designed :	HOP	Signed	Date
Drawn :	YEW	Signed	05-10-2016
Checked :	ALL	Signed	05-10-2016
Approved :	CCH	Signed	05-10-2016

Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016

Contract No. :	SS C505
File No. :	
Programme No.:	13 GB-5

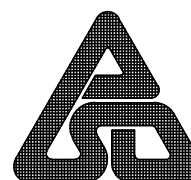
Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :

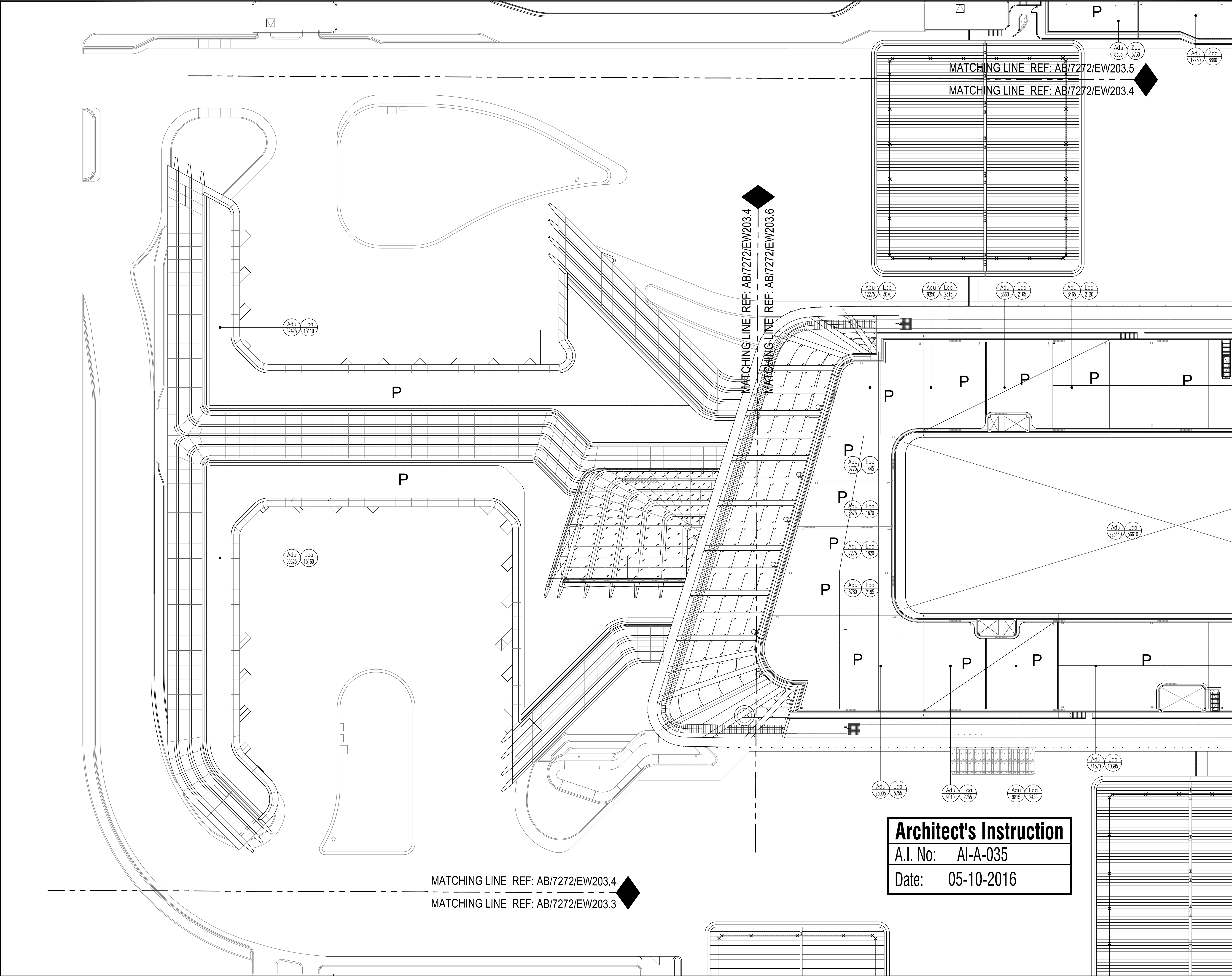
Planting Plan of Shrub for Roof Floor (3 of 6)

1:300 (A1)
1:600 (A3)

Drawing No. : AB/7272/EW203.3 Rev.2	Scale : 1:300 (A1) 1:600 (A3)	05-10-2016
Signed	Date	



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Notes :

KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW203.1

Legend:

P

Planting area

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

Revision :

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Designed :	HOP		05-10-2016
Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

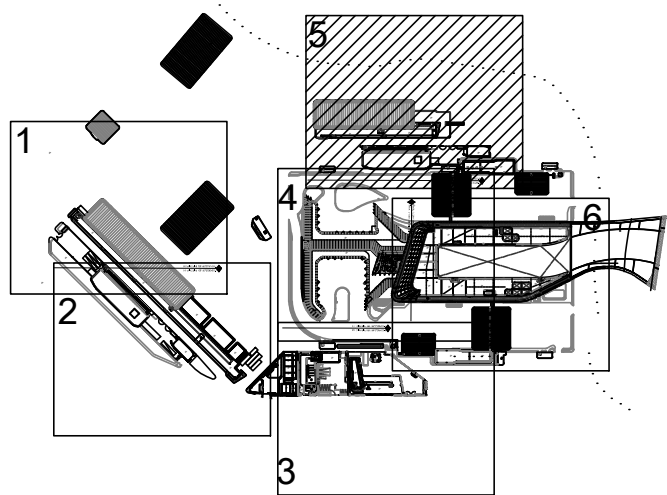
Contract No. :	SS C505
File No. :	
Programme No.:	13 GB-5
Contract Title :	CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (BCP) - BCP BUILDINGS AND ASSOCIATED FACILITIES
Drawing Title :	Planting Plan of Shrub for Roof Floor (4 of 6)
Drawing No. : AB/7272/EW203.4	Rev.3
Signed	Date
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Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016

Notes :



KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW203.1

Legend:

P Planting area

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CCH

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Revision :			
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Drawn :	YEW		05-10-2016
Checked :	ALL		05-10-2016
Approved :	CCH		05-10-2016

Contract No. : SS C505

File No. :

Programme No.: 13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

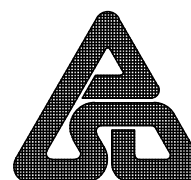
Drawing Title :
Planting Plan of Shrub for Roof Floor (5 of 6)

1:300 (A1)
1:600 (A3)

Drawing No. :
AB/7272/EW203.5 Rev.3

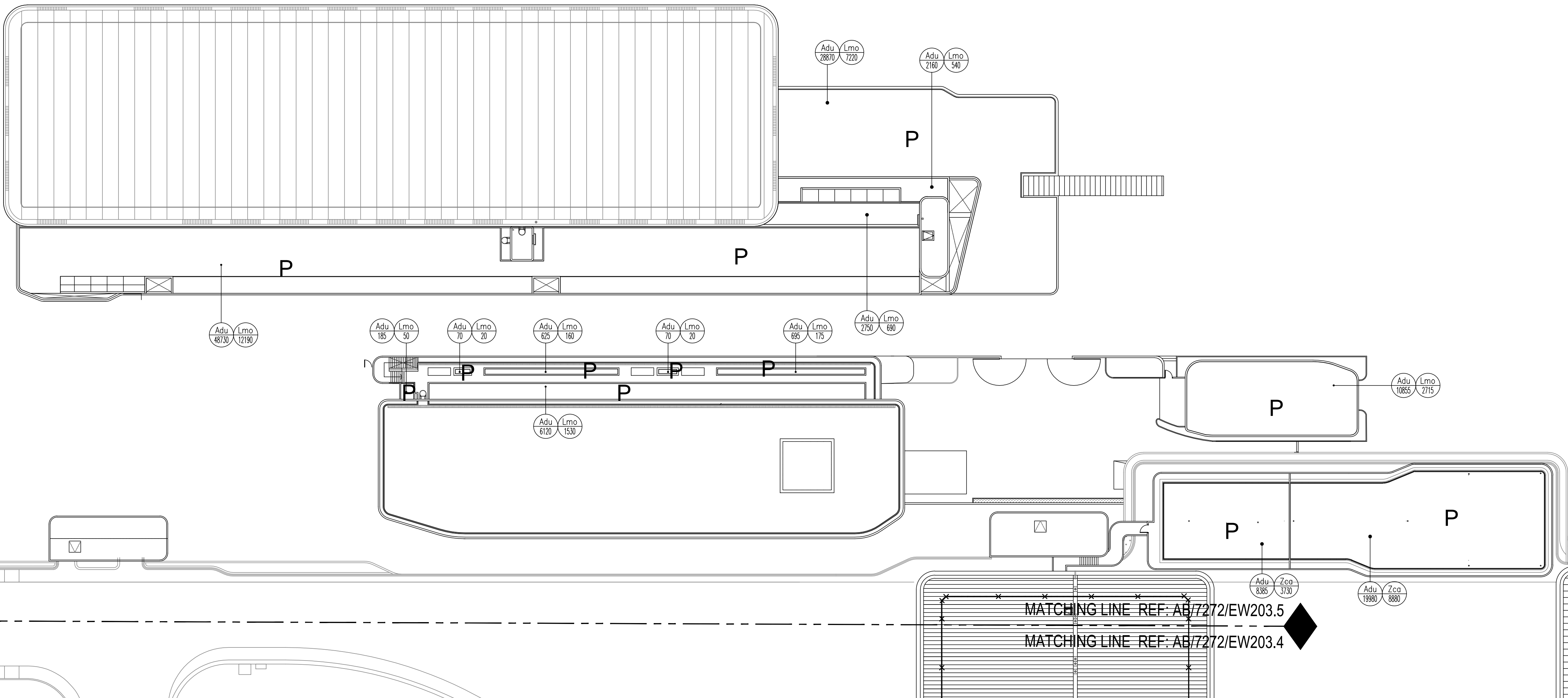
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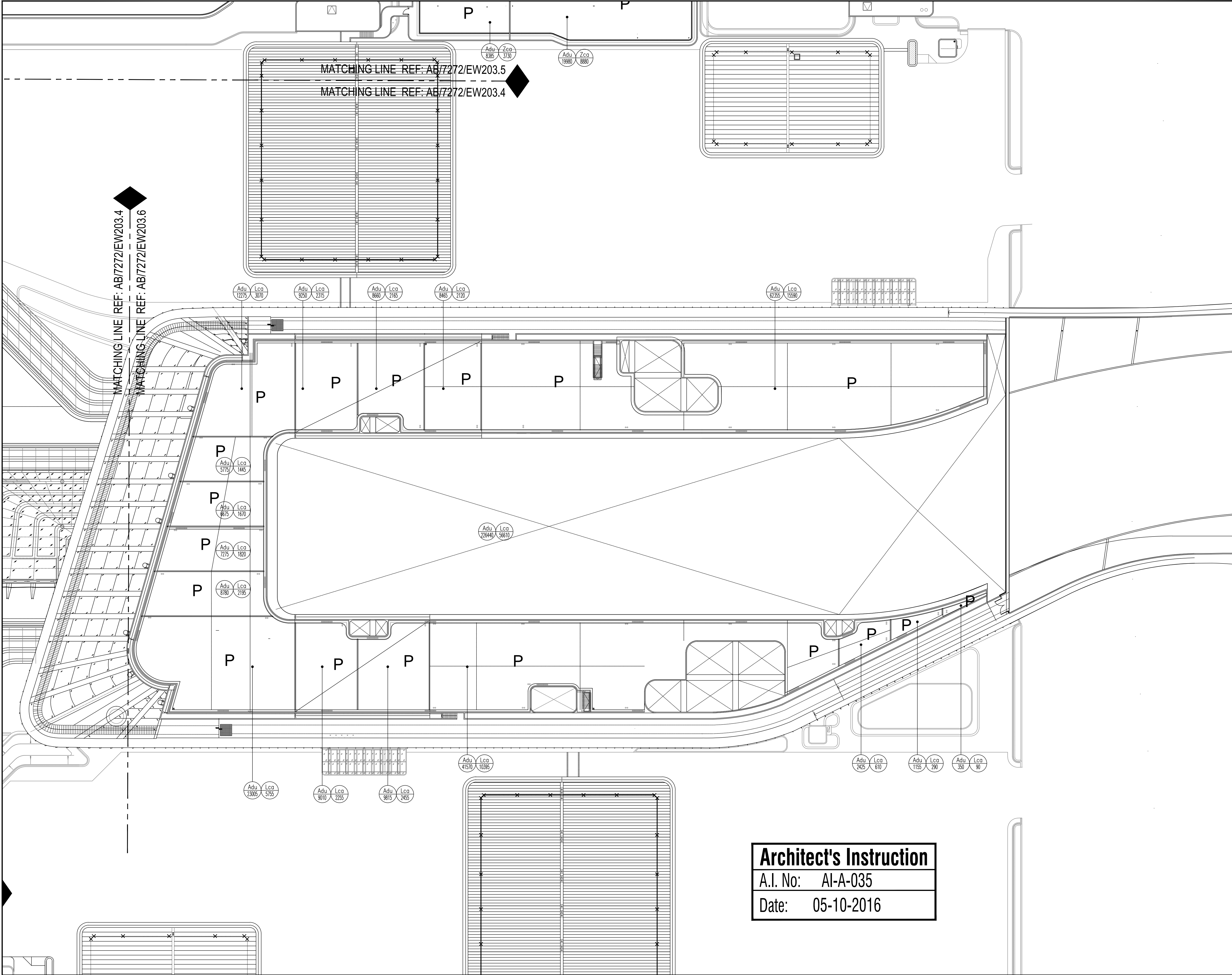
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SERVICES
DEPARTMENT

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MATCHING LINE REF: AB/7272/EW203.5

MATCHING LINE REF: AB/7272/EW203.4



Notes :

KEY PLAN
SCALE : N.T.S.

Note:
Planting Schedule refer to AB/7272/EW203.1

Legend:

P Planting area

3	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CCH
2	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CCH
2	05-09-14	TENDER ADDENDUM No.2	HOP/HUF/ALL/CCH
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CCH
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CCH
ISSUE	DATE	DESCRIPTION	Initial

Revision :

Check all measurements on site. Do not scale off drawings.
This drawing to be read in conjunction with the Specification and any discrepancies are to be immediately reported to the Architect.
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LEAD CONSULTANT- ARCHITECT

RONALD LU & PARTNERS

STRUCTURE/CIVIL/GEOTECHNICAL/TRAFFIC CONSULTANT

ARUP

BUILDING SERVICES CONSULTANT

JRP
濃信

LANDSCAPE CONSULTANT

ADI

FACADE ENGINEER CONSULTANT

MEIN-HARDT

WAY-FINDING CONSULTANT

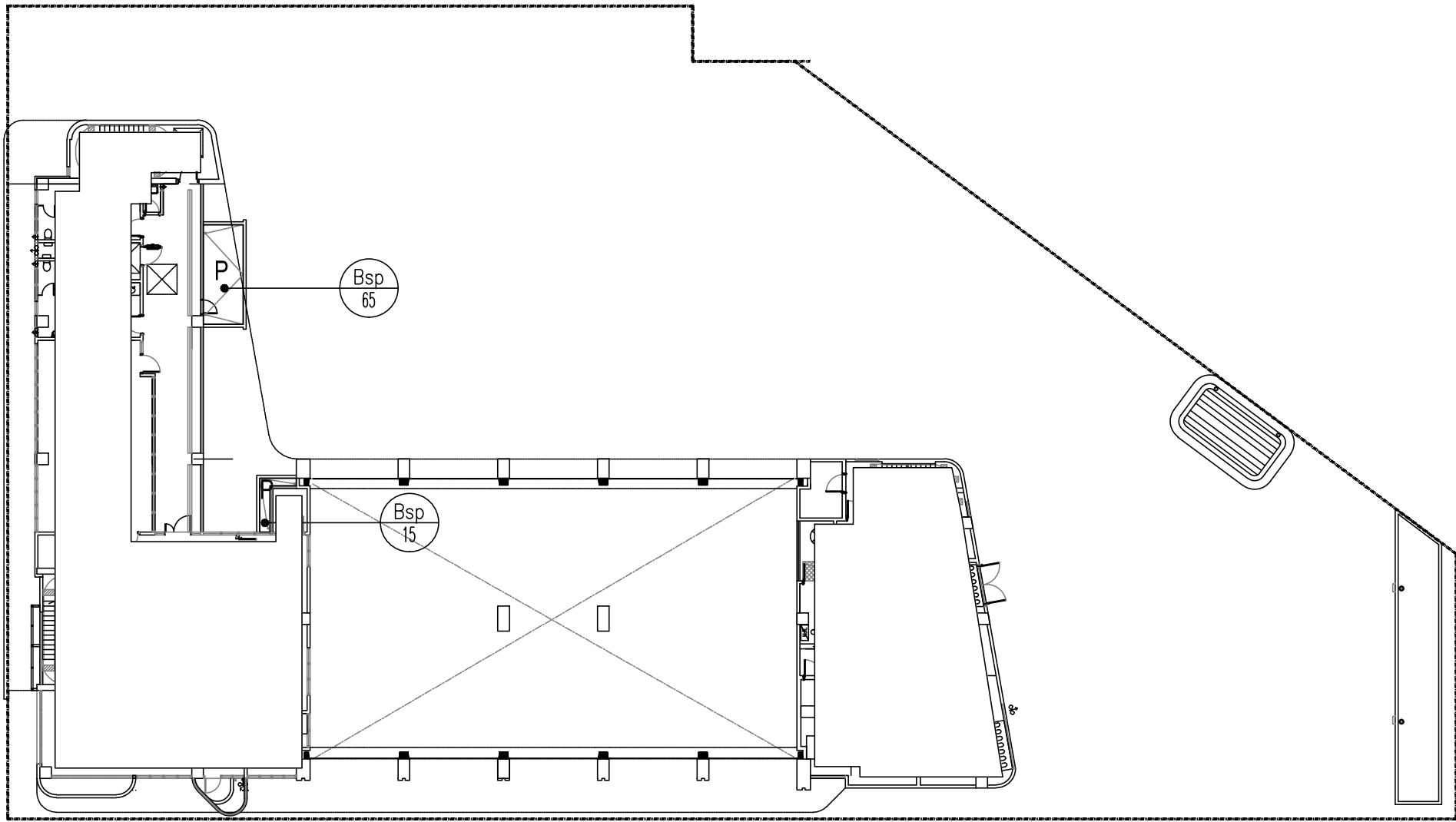
marc&chantal design

Designed :	Name	Signed	Date
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Checked :	YEW		05-10-2016
Approved :	ALL		05-10-2016
	CCH		05-10-2016

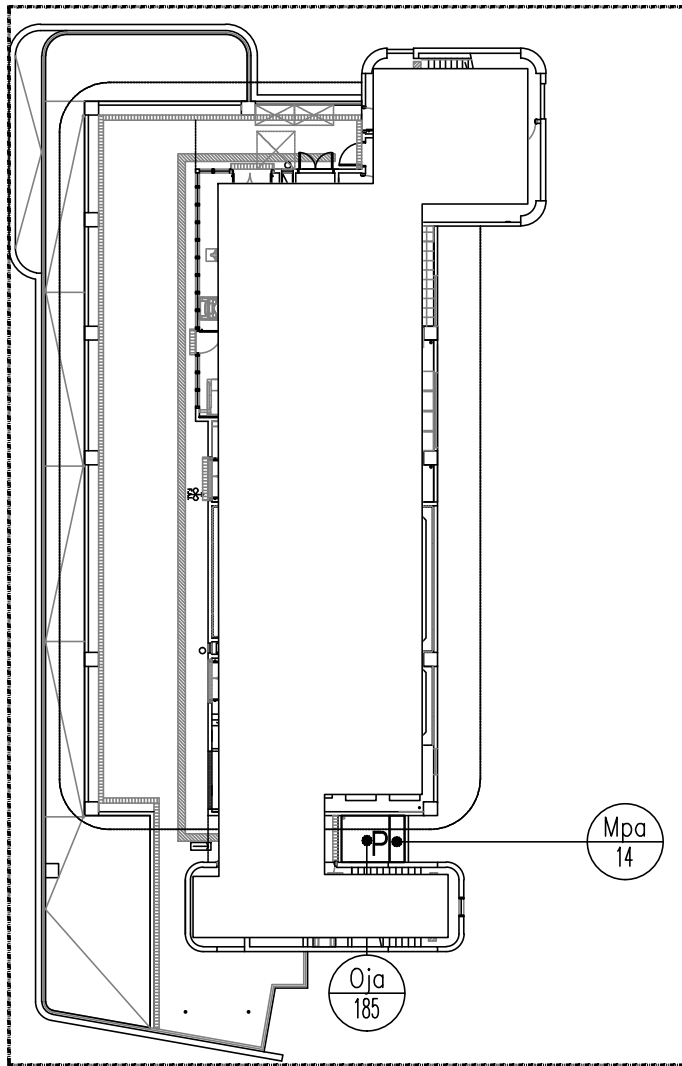
Contract No. :	SS C505
File No. :	
Programme No.:	13 GB-5
Contract Title :	CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT (BCP) - BCP BUILDINGS AND ASSOCIATED FACILITIES
Drawing Title :	Planting Plan of Shrub for Roof Floor (6 of 6)
Drawing No. :	AB/7272/EW203.6 Rev.3
Signed	Date

**ARCHITECTURAL
SERVICES
DEPARTMENT**

Architect's Instruction
A.I. No: AI-A-035
Date: 05-10-2016

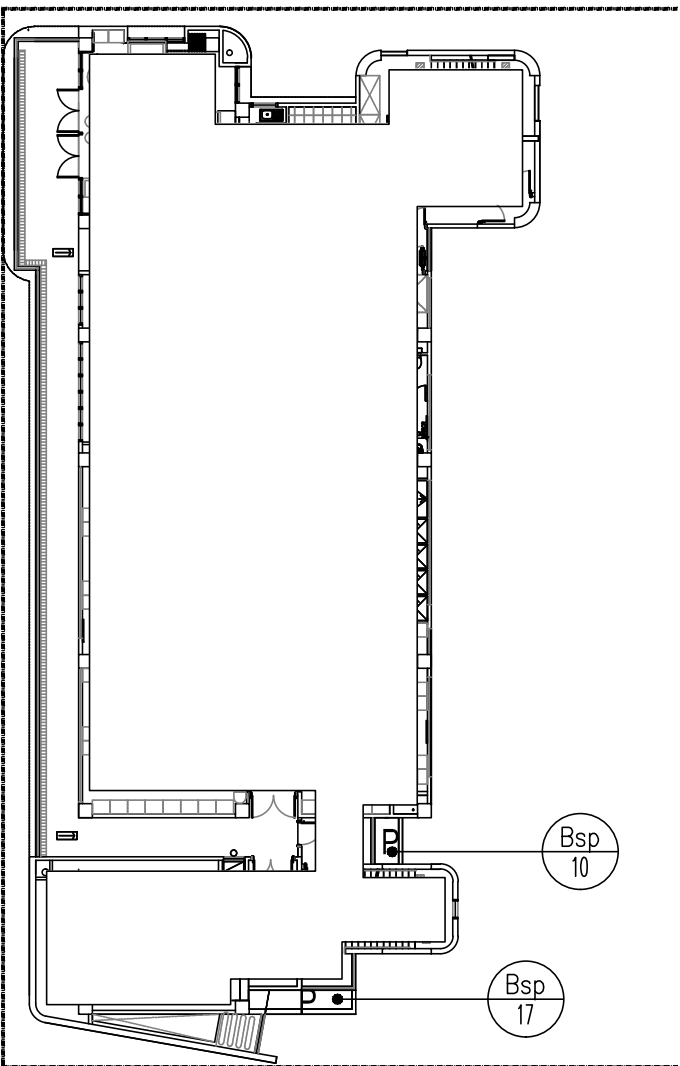


FIRST FLOOR LAYOUT PLAN OF FSD BUILDING



THIRD FLOOR LAYOUT PLAN OF HKPF BUILDING

PLANTING SCHEDULE						
PLANT NO.	SHRUB CODE	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANTING NO./m2
107	Bsp	Bougainvillea spectabilis (White flower)	勒杜鹃 (白花)	1000L X 500SP	450	5.702
14	Mpa	Murraya paniculata	九里香	400H X 350SP	300	12.83
185	Oja	Ophiopogon japonica	沿路草	100H X 200SP	150	51.32



SECOND FLOOR LAYOUT PLAN OF HKPF BUILDING

Architect's Instruction

A.I. No: AI-A-035

Date: 05-10-2016

Notes :

Legend:

PPlanting area

2	05-10-16	ISSUE FOR CONSTRUCTION	HOP/YEW/ALL/CC
1	21-07-15	ISSUE FOR CONSTRUCTION	HOP/HUF/ALL/CC
1	22-08-14	TENDER ADDENDUM No.1	HOP/HUF/ALL/CC
0	01-08-14	ISSUE FOR TENDER	HOP/HUF/ALL/CC
ISSUE	DATE	DESCRIPTION	Initial

Revision :

Check all measurements on site.Do not scale off drawings.
This drawing to be read in conjunction with the Specification and any discrepancies are to be immediately reported to the Architect.
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LEAD CONSULTANT- ARCHITECT



STRUCTURE/CIVIL/GEOTECHNICAL/TRAFFIC CONSULTANT



BUILDING SERVICES CONSULTANT



LANDSCAPE CONSULTANT



FACADE ENGINEER CONSULTANT



WAY-FINDING CONSULTANT



Designed :	HOP	Name	Signed	Date
Drawn :	YEW			05-10-2016
Checked :	ALL			05-10-2016
Approved :	CCH			05-10-2016

Contract No. :	SS C505
File No. :	
Programme No.:	13 GB-5

Contract Title :
CONSTRUCTION OF LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT (BCP) -
BCP BUILDINGS AND ASSOCIATED FACILITIES

Drawing Title :

Planting Plan of Shrub for Balconies

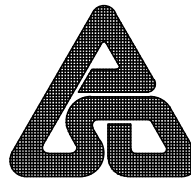
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Signed

05-10-2016
Date



ARCHITECTURAL
SERVICES
DEPARTMENT

LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT BUILDING AND ASSOCIATED WORKS

Landscape Plan Submission

Annex 5 - PLANTING SCHEDULE

TREE				
NATIVE SPECIES	QUANTITY	BOTANICAL NAME	CHINESE NAME	SIZE
	43	Bauhinia purpurea	紅花羊蹄甲	Heavy standard
•	21	Bauhinia blakeana	洋紫荊	Heavy standard
•	4	Bischofia javanica	秋楓	Heavy standard
•	13	Celtis sinensis	朴樹	Heavy standard
•	27	Elaeocarpus sylvestris	山杜英	Heavy standard
•	27	Liquidambar formosana	楓香	Heavy standard
	6	Osmanthus fragrans	桂花	Standard
•	22	Pongamia pinnata	水黃皮	Heavy standard
•	13	Reevesia thyrsoidea	梭羅樹	Heavy standard
BAMBOO				
NATIVE SPECIES	QUANTITY	BOTANICAL NAME	CHINESE NAME	SIZE
	916	Bambusa textilis	青皮竹	4000 X 300
SHRUB				
NATIVE SPECIES	QUANTITY	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HT. x SP.
•	5,687	Alpinia zerumbet	豔山薑	500 x 450
	333	Alpinia zerumbet 'variegata'	花葉豔山薑	500 x 450
	3,466	Bougainvillea spectabilis (White flower)	勒杜鵑(白花)	500 x 500
	280	Hibiscus rosa-sinensis (Pink flower)	朱槿 (粉紅)	500 x 400
•	1,225	Ilex asprella	梅葉冬青	400 x 450
	26,341	Ixora coccinea 'lutea'	龍船花(黃花)	350 x 300
	13,838	Ligustrum sinense	山指甲	400 x 350
	16,003	Murraya paniculata	九里香	400 x 350
	978	Nerium indicum	夾竹桃	2000 x 1000
	177	Osmanthus fragrans	桂花	800 x 600
	2,635	Rhapis humilis	棕竹	400 x 350
	41,145	Rhododendron pulchrum	錦繡杜鵑	400 x 350
•	11,789	Rhodomyrtus tomentosa	桃金娘	400 x 350
	49,063	Schefflera arboricola	鵝掌藤	400 x 350

GROUND COVER				
NATIVE SPECIES	QUANTITY	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HT. x SP.
	1,854,864	Arachis duranensis	蔓花生	80 x 100
	65,577	Cuphea hyssopifolia	雪茄花	300 x 250
	73,725	Lantana camara (Pink flower)	馬纓丹(粉花)	250 x 250
	42,404	Lantana montevidensis (Purple flower)	馬纓丹(紫花)	250 x 250
•	135,530	Liriope spicata	山麥冬	200 x 200
•	130,611	Nephrolepis auriculata	腎蕨	200 x 200
•	72,281	Ophiopogon japonica	沿階草	100 x 200
•	15,009	Phyllanthus cochinchinensis	越南葉下珠	300 x 250
•	42,308	Selaginella uncinata	翠雲草	100 x 200
	14,733	Zephyranthes candida	蔥蘭	100 x 200
CLIMBER				
NATIVE SPECIES	QUANTITY	BOTANICAL NAME	CHINESE NAME	SIZE (mm) LENGTH
	2,247	Parthenocissus dalzielii	爬牆虎	1500 x min. 5 shoots
LAWN				
NATIVE SPECIES	QUANTITY	BOTANICAL NAME	CHINESE NAME	SIZE
	168m ²	Zoysia japonica	韓國草	-

Notes:

1. The quantities of plants are based on the tender drawings and subject to adjustment due to changes in building layout and site conditions.

2. The planting of Nerium indicum only applies at pedestrian inaccessible roadside planter.

Appendix X

***HyD's comment on planting space for seedling trees
(Memo ref. (4JHL) in HyD LU 14-7/10/2 dated 13 July 2015)***

MEMO

From	SLA/D(NT) /Landscape Unit, HyD	To	CE/BCP, CEDD
Ref.	(4JHL) in HyD LU/14-7/10/2	(Attn. :)	Mr. Desmond LAM
Tel. No.	3903 6655	Your Ref.	
Fax. No.	2310 8438	Dated	
Email.	lante.lu@hyd.gov.hk	Fax No.	3547 1659
Date	13 July 2015	Total Pages	2

Agreement No. CE 38/2010 (CE)
Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) - Design and Construction

Landscape Proposal for Feature No. 3SW-D/C80

I refer to the letter from the Consultants - AECOM under ref. LYL:cfwl:60212563/C3/C10/100-2015005557W dated 11.6.2015 and received by us on 12.6.2015.

2. I would like to clarify that my last comments on the "Design Submission for Slope Upgrading Works for Man-made Slope Adjoining Feature No. 3SW-D/C80" were provided vide my memo under ref. (4EKB) in the same series dated 21.4.2015, in lieu of the "memo ref: (4A8M) in HyD LU/14-7/10/2 dated 12 January 2015" as stated in para. 1 of the Consultants' letter.

3. Please find my comments on this submission from the Highways landscape and vegetation maintenance point of view as follows:-

(a) Presumably, the slope concerned should be HyD SIMAR slope no. 3SW-D/C80, in lieu of the "Feature No. 3SE-D/C80" as stated in the title of the Consultants' letter; The Consultants' clarification in this regard is requested, please.

(b) Landscape Proposal for Feature No. 3SW-D/C80 (Sketch No. CV/2012/09/R10/120/0667)

The current boundary of slope no. 3SW-D/C80 and other existing above ground features are too pale and are not legible. Different and distinguishable colours/ line types should be used to indicate the afore-mentioned site information and the proposed development layout for clarity sake.

(c) Cross section of the "original extent of slope feature No. 3SW-D/C80" showing the proposed hydroseeding and woodland mix planting should be provided. The Consultants should also confirm if a minimum clear soil depth of 1,200 mm could be allowed for the proposed tree planting on the slope.

(d) Planting Matrix of "Woodland Mix" on Slope (Sketch No. CV/2012/09/R10/120/0691)

(i) The proposed shrub species in woodland mix should be replaced by the shrub species proposed for the "Extension of Feature No. 3SW-D/C80" for consistency among adjoining vegetated areas.

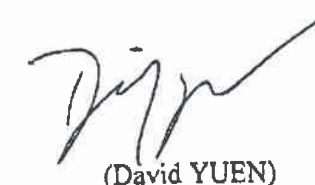
- (ii) The proposed shrub size should be reduced slightly [e.g. 400 mm (H) x 350 mm (S)] so as to allow more space for the sustainable growth and establishment of the plants on the slope.
- (iii) It is suggested to increase the numbers of seedling trees of the *Phyllanthus emblica* and *Reevesia thrysoidea* species (plant symbols of "4" & "5" refer) in the typical planting matrix, so as to attain a more even mix of plants of different species.
- (iv) The proposed planting density of 1,000 mm among the seedling planting is considered too dense.
- (v) It appears that *Polyspora axillaris* of two different sizes ["seedling" and "500(H) x 500(S)" (mm)] would be used in the proposed planting matrix. Should it be the case, two different plant "Code(s)" should be adopted for clear identification and to avoid confusion.

(c) Typical Planting Details of "Shrub Mix" on Slope (Sketch No. CV/2012/09/R10/120/0655)

Regarding the statement "The soil slope surface shall be covered by shrub mix planting 1(WS) with erosion control mat. Details refers to Sketch No. CV/2012/09/R10/120/0568", the sketch as mentioned should also be provided for our reference.

(f) Apart from the typical planting matrices, planting schedules for "original extent of Feature No. 3SW-D/C80" and the proposed "Extension of Feature No. 3SW-D/C80", with proposed quantities of individual species and sizes of plants to be used, should also be submitted for our review.

(g) The proposed species mix for hydroseeding to the slope should be provided.


 (David YUEN)

for Senior Landscape Architect/ District (New Territories)
 Landscape Unit, Highways Department

cc Mainland East Div., GEO, CEDD
 CHE/NT East, HyD
 AECOM

(Attn.: Mr. H.M. TSANG)
 (Attn.: Ms. Elaine LAM)

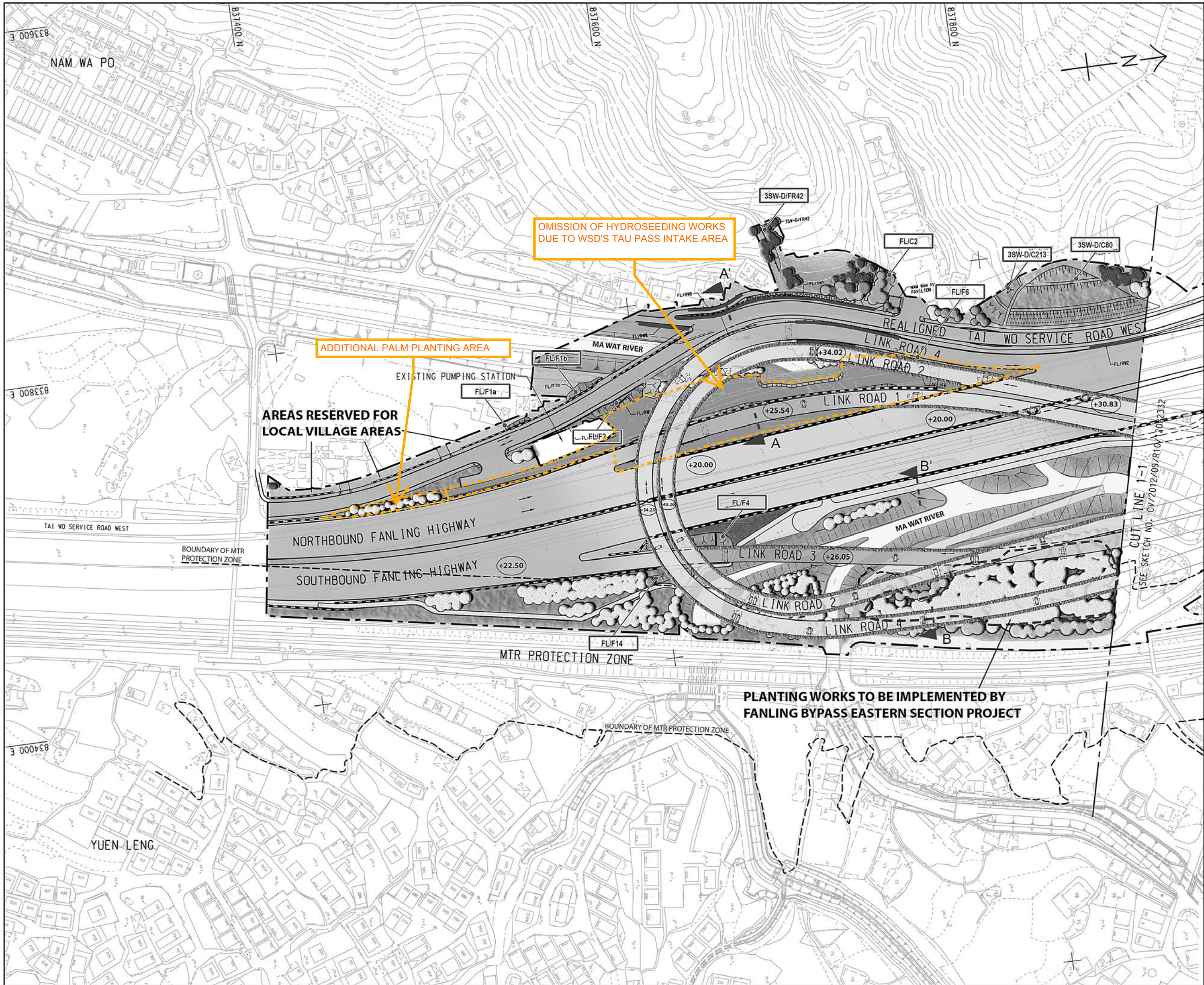
Fax: 2714 0245
 Fax: 2714 5228
 Fax: 3922 9797

Internal
 SLA/VM(NT) LA/VM(HSR)

YTC/DY/dy

Appendix Y

***Revised Landscape Treatment Corresponding to
Public Noises and Additional Departmental Requirements***



LEGEND:

- SITE BOUNDARY
- UNDERGROUND WORKS SITE BOUNDARY
- 500m STUDY AREA OF INDIVIDUAL SECTION
- LIMIT OF WORKS AREA FOR NATURAL TERRAIN HAZARD MITIGATION MEASURES
- Existing Vegetation to be retained (CM1)
- Existing Tree/ Tree groups to be retained (CM1)
- Transplanted trees (CM2)
- Buffer trees planting with amenity shrubs planting, (OM3 and OM4)
- Trees planting on landscaped slopes (OM3 and OM7)
- Amenity roadside trees planting, (OM3, and OM10)
- Shrubs and/or Groundcover planting (OM10)
- Shrubs and/or Groundcover planting on slope (OM7)
- Shortcrete on slope (OM2 and OM7)
- Woodland mix planting on slope (OM3 and OM7)
- Berm planters on slope (OM2 and OM7)
- Hydroseeding on slope (OM7)
- Amenity Improvement planting under Viaduct (Hydroseeding and climbers) (OM6)
- Planters along Viaduct Structure (OM5)
- Roof Planters on Associated buildings (OM8)
- Existing River bank/ Channel bank to be retained (OM11)
- Proposed Noise Barriers
- Proposed Retaining Walls

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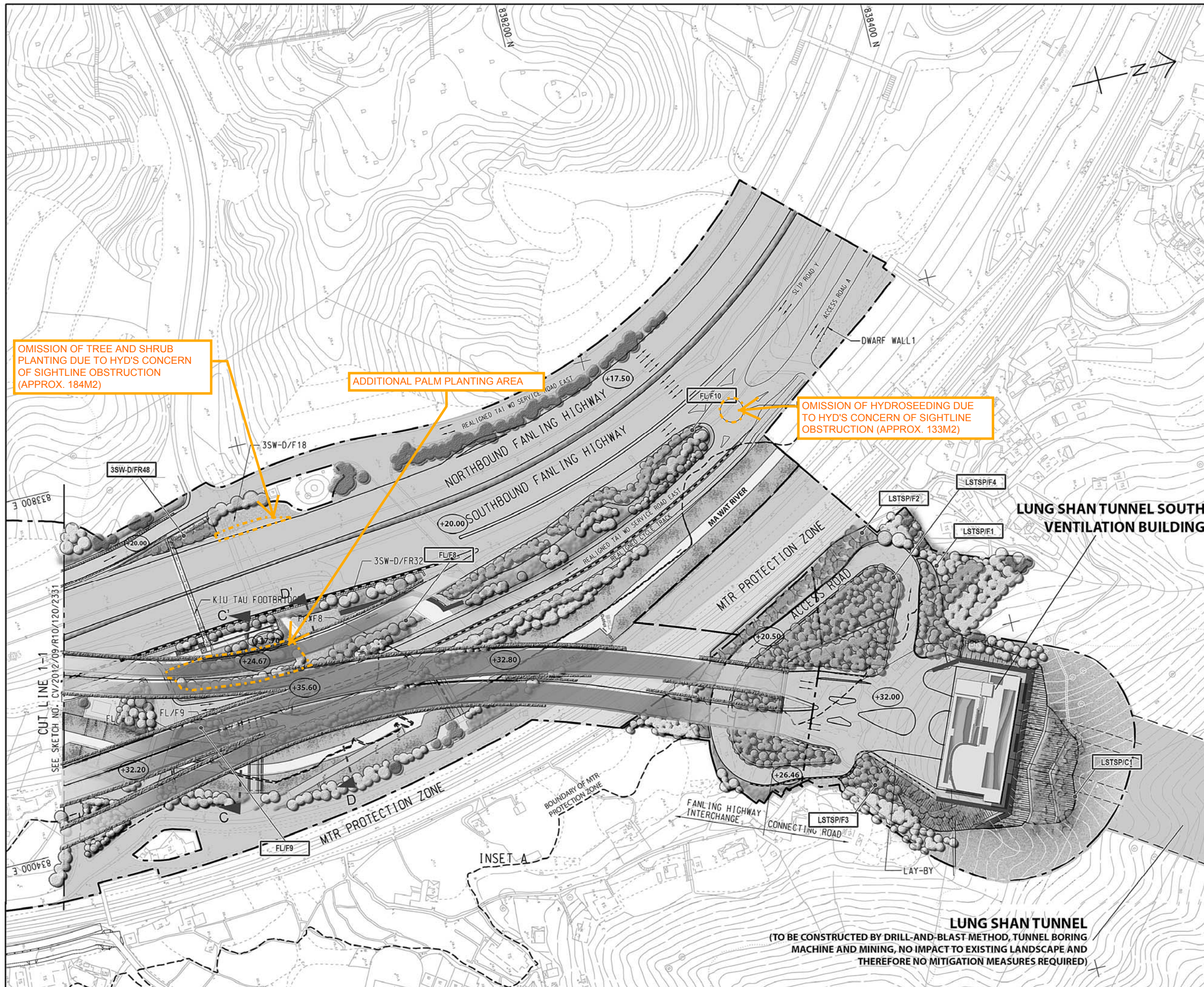
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 3

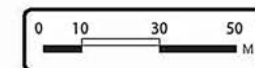
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(SHEET 1 OF 13)**

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SKETCH NO.	AY/LP4/001		REV -

DOCUMENT REFERENCE NO.



- LEGEND:**
- SITE BOUNDARY
 - UNDERGROUND WORKS SITE BOUNDARY
 - 500m STUDY AREA OF INDIVIDUAL SECTION
 - LIMIT OF WORKS AREA FOR NATURAL TERRAIN HAZARD MITIGATION MEASURES
 - Existing Vegetation to be retained (CM1)
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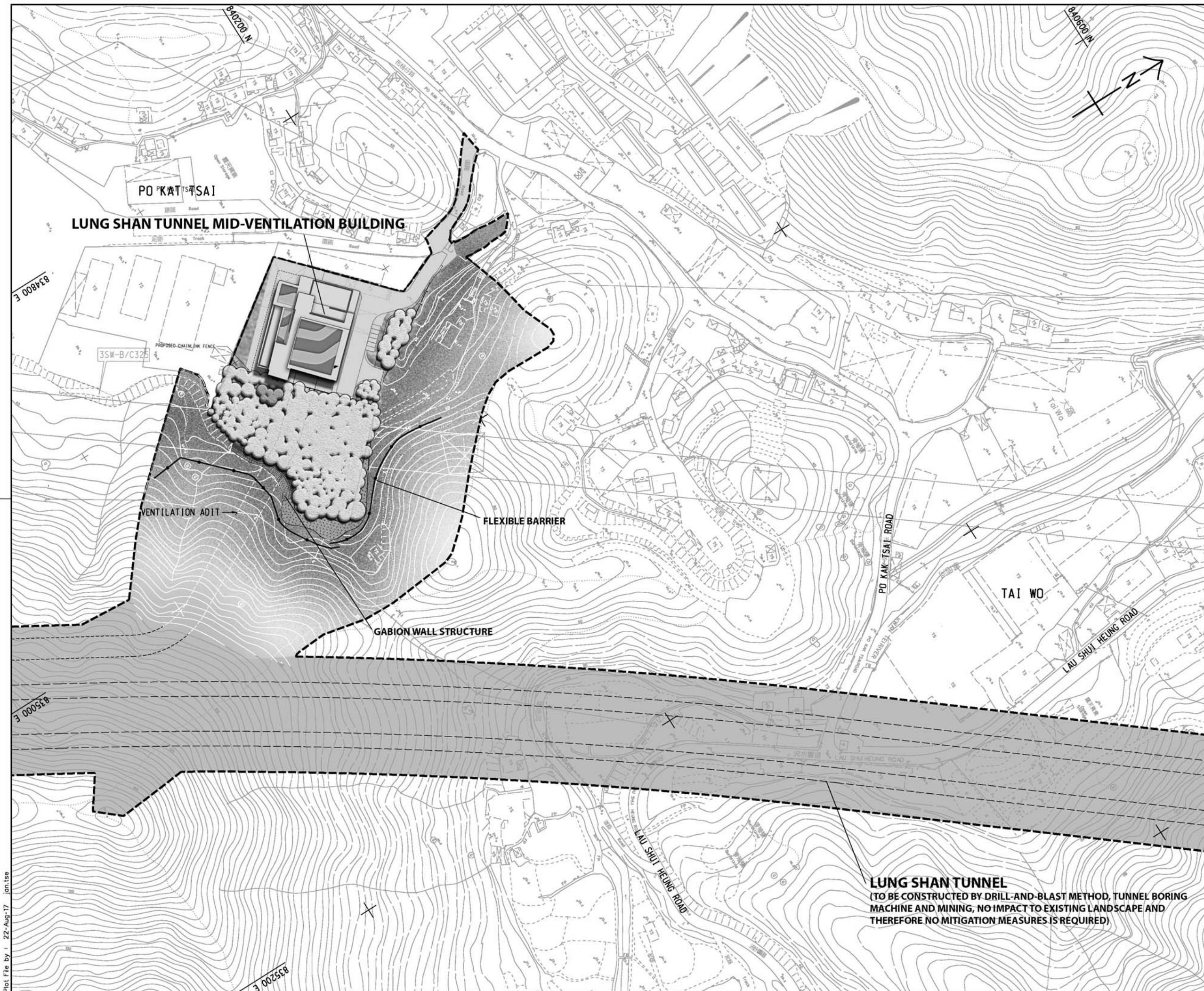
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SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3

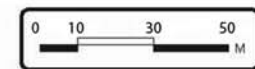
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DOCUMENT REFERENCE NO.



- LEGEND:**
- SITE BOUNDARY
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 - 500M STUDY AREA OF INDIVIDUAL SECTION
 - LIMIT OF WORKS AREA FOR NATURAL TERRAIN HAZARD MITIGATION MEASURES
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CEDD 土木工程拓展署
Civil Engineering and Development Department

LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 2

LANDSCAPE MASTER PLAN
(SHEET 3 OF 13)

AECOM

DRG.NO. 60212563/LM/003/D
圖紙編號

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設計

DRAWN BY YJP STATUS
繪圖

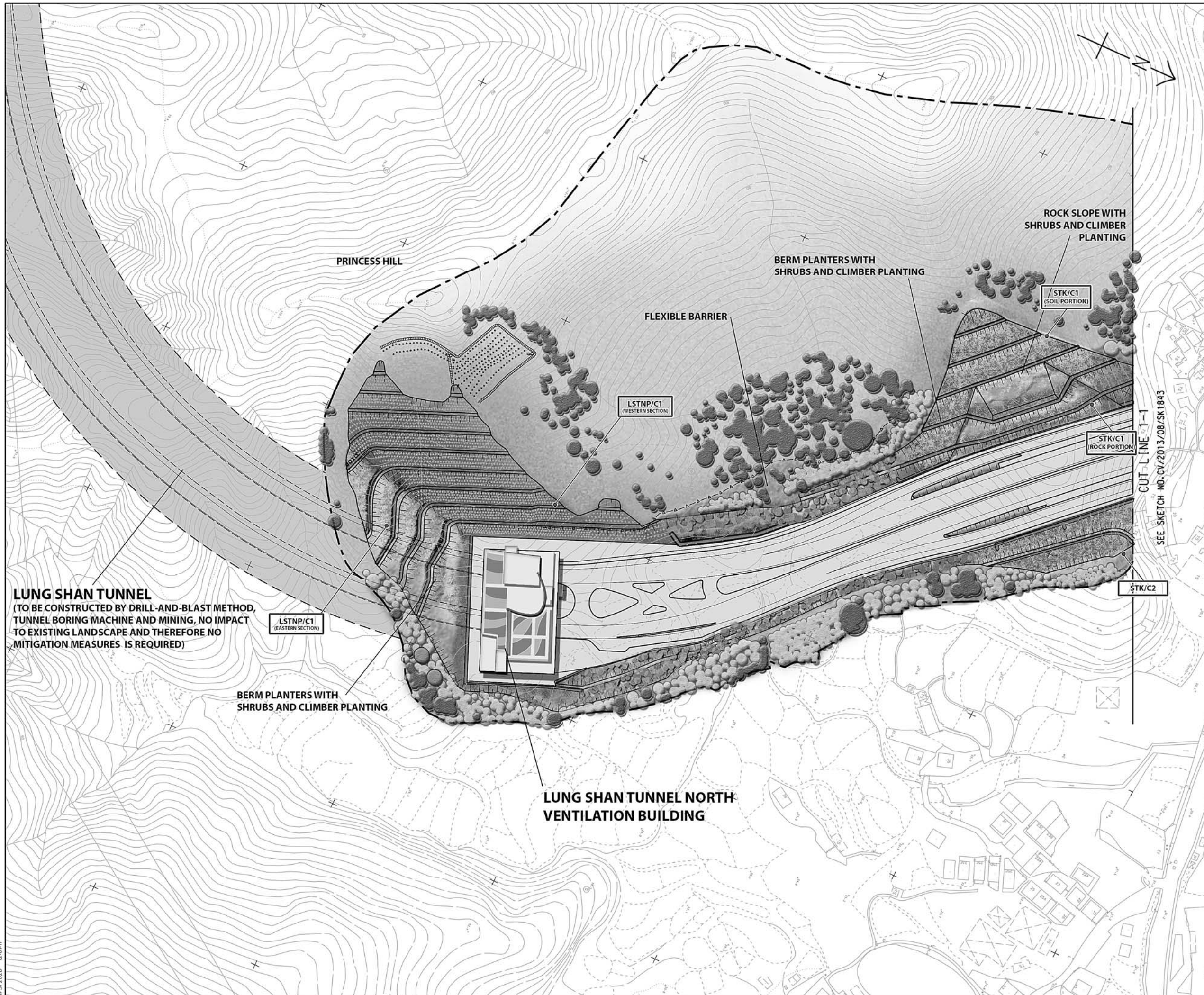
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LOCATION PLAN
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LEGEND:

SITE BOUNDARY

UNDERGROUND WORKS SITE BOUNDARY

500m STUDY AREA OF INDIVIDUAL SECTION

LIMIT OF WORKS AREA FOR NATURAL TERRAIN HAZARD MITIGATION MEASURES

Existing Vegetation to be retained (CM1)

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Roof Planters on Associated buildings (OM8)

Existing River bank/ Channel bank to be retained (OM11)

Proposed Noise Barriers

Proposed Retaining Walls

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LKK

TNTK

CLSY

B

28/02/19

ISSUE FOR CONSTRUCTION

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CLSY

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02/11/18

ISSUE FOR CONSTRUCTION

LKK

TNTK

CLSY

-

20/07/17

ISSUE FOR CONSTRUCTION

KLKK

BWWS

HLHS

Rev.

Date

Description

Drawn

Prepared

Checked

AECOM

CEED CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -

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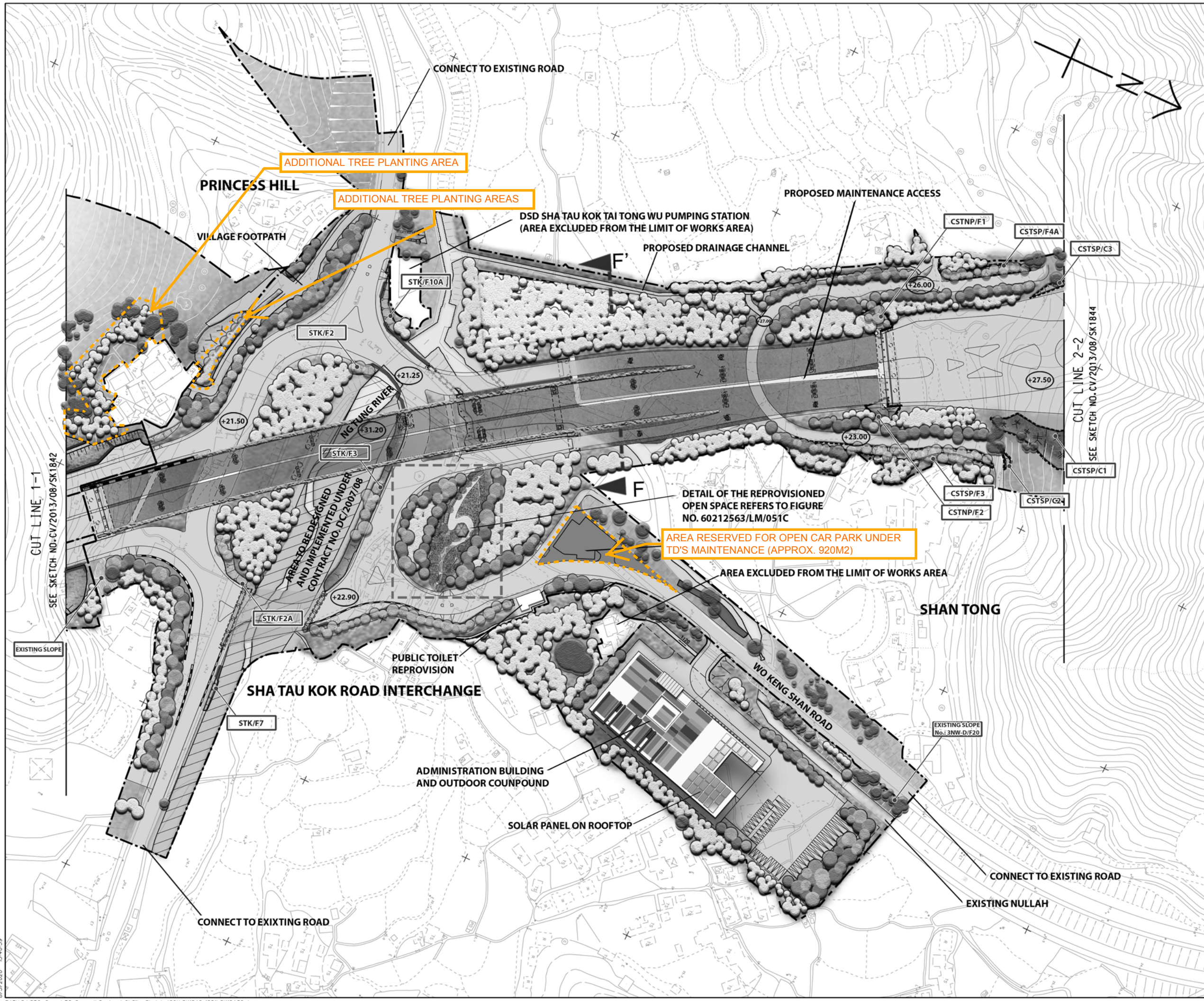
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LEGEND:

- SITE BOUNDARY
- UNDERGROUND WORKS SITE BOUNDARY
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A	02/11/18	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
-	20/07/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
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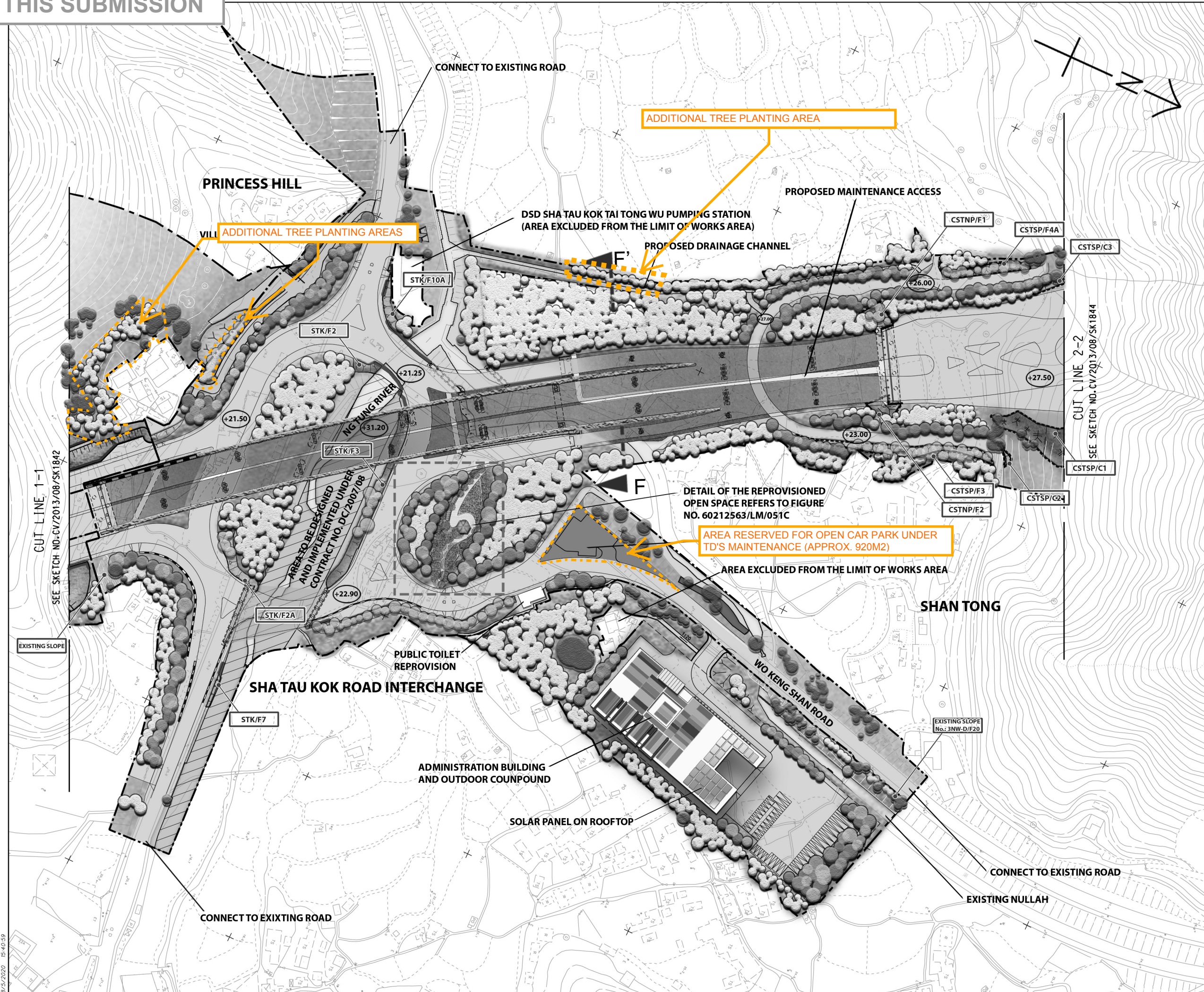
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LANDSCAPE MASTER PLAN
(SHEET 5 OF 13)

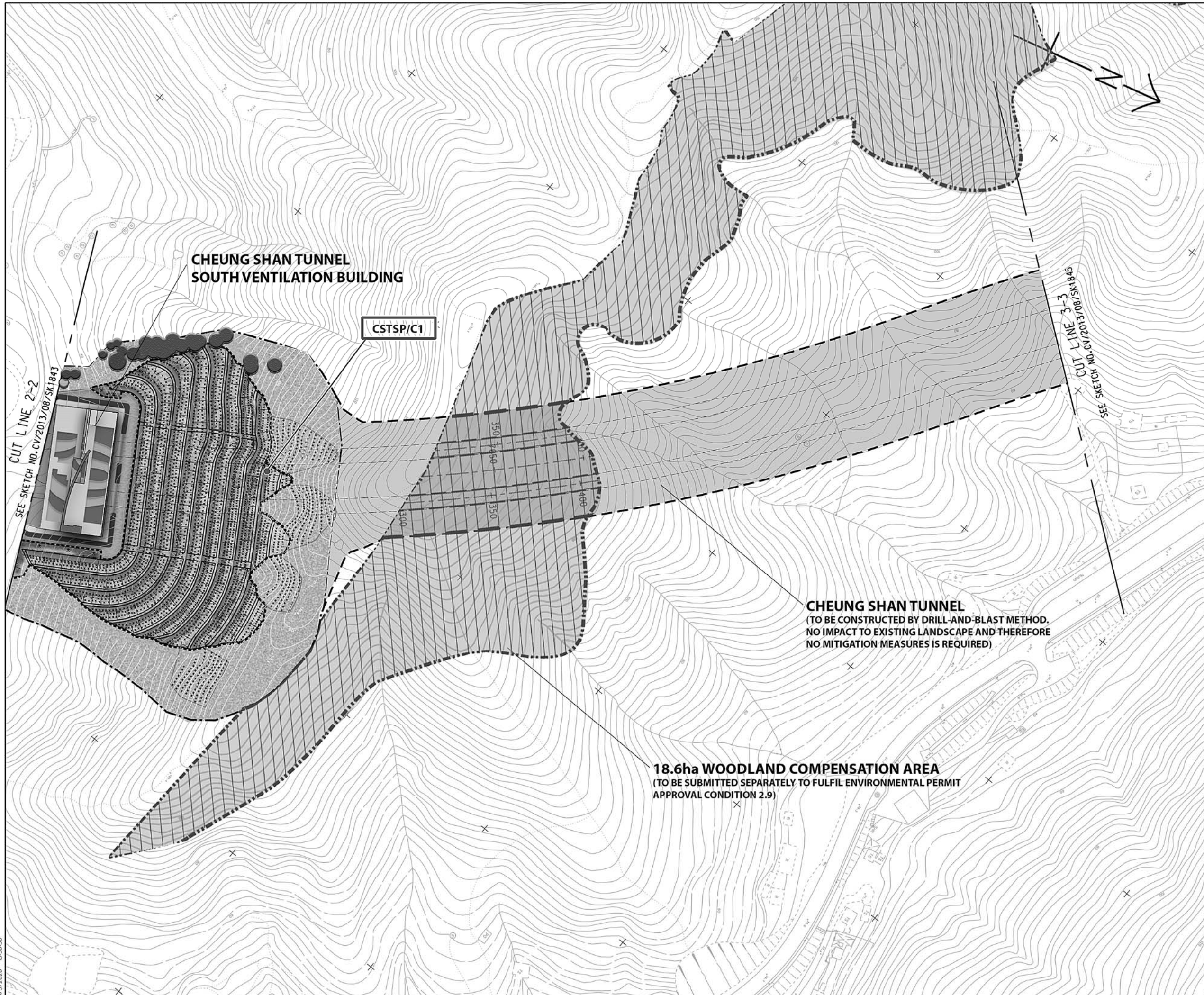
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SCALE 1:2000 (1/3)

8/5/2020 15:40:59

THIS SUBMISSION





LEGEND:

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A	02/11/18	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
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Rev.	Date	Description	Drawn	Prepared	Checked

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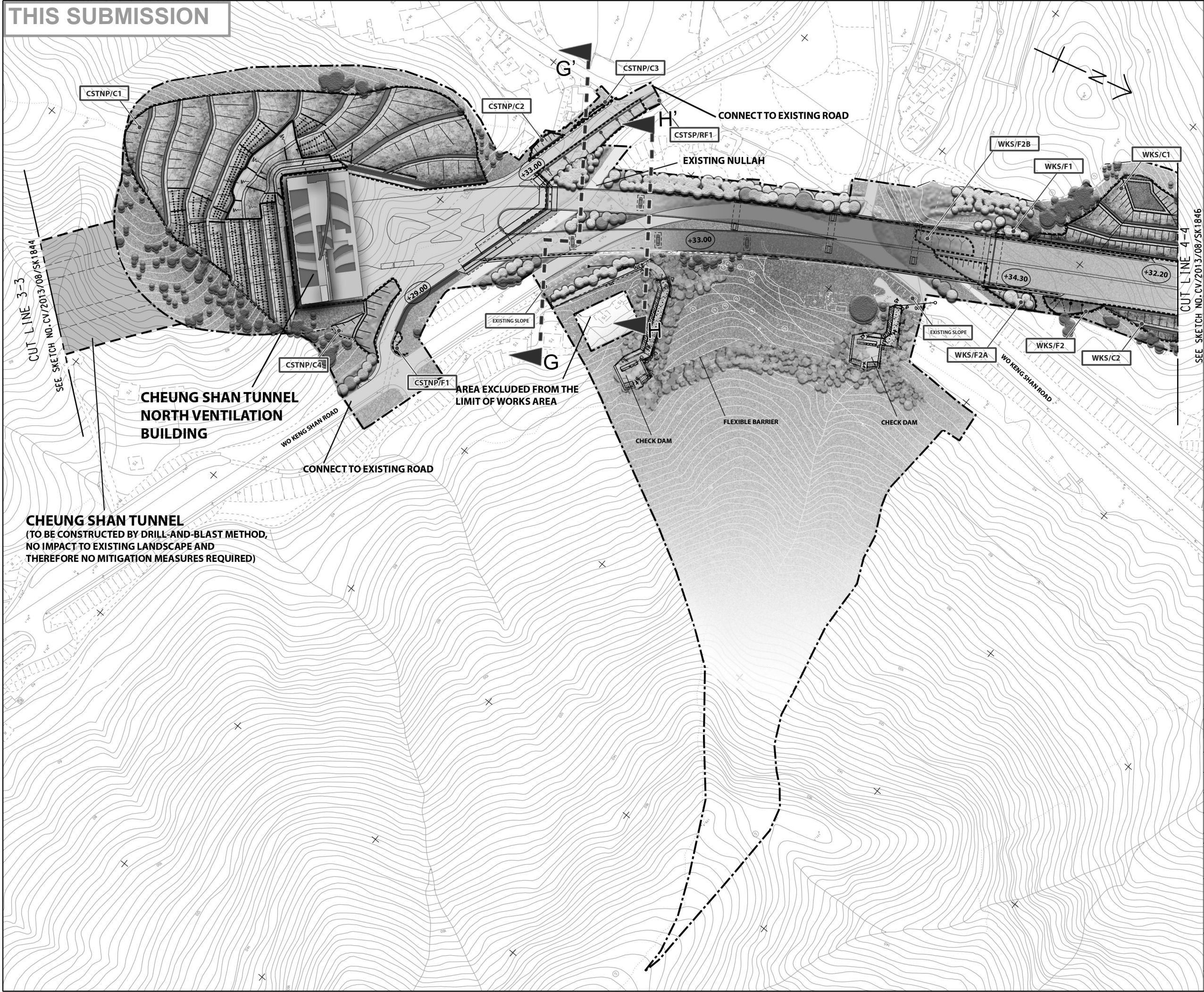
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
LANDSCAPE MASTER PLAN
(SHEET 6 OF 13)

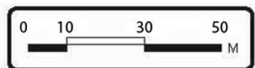
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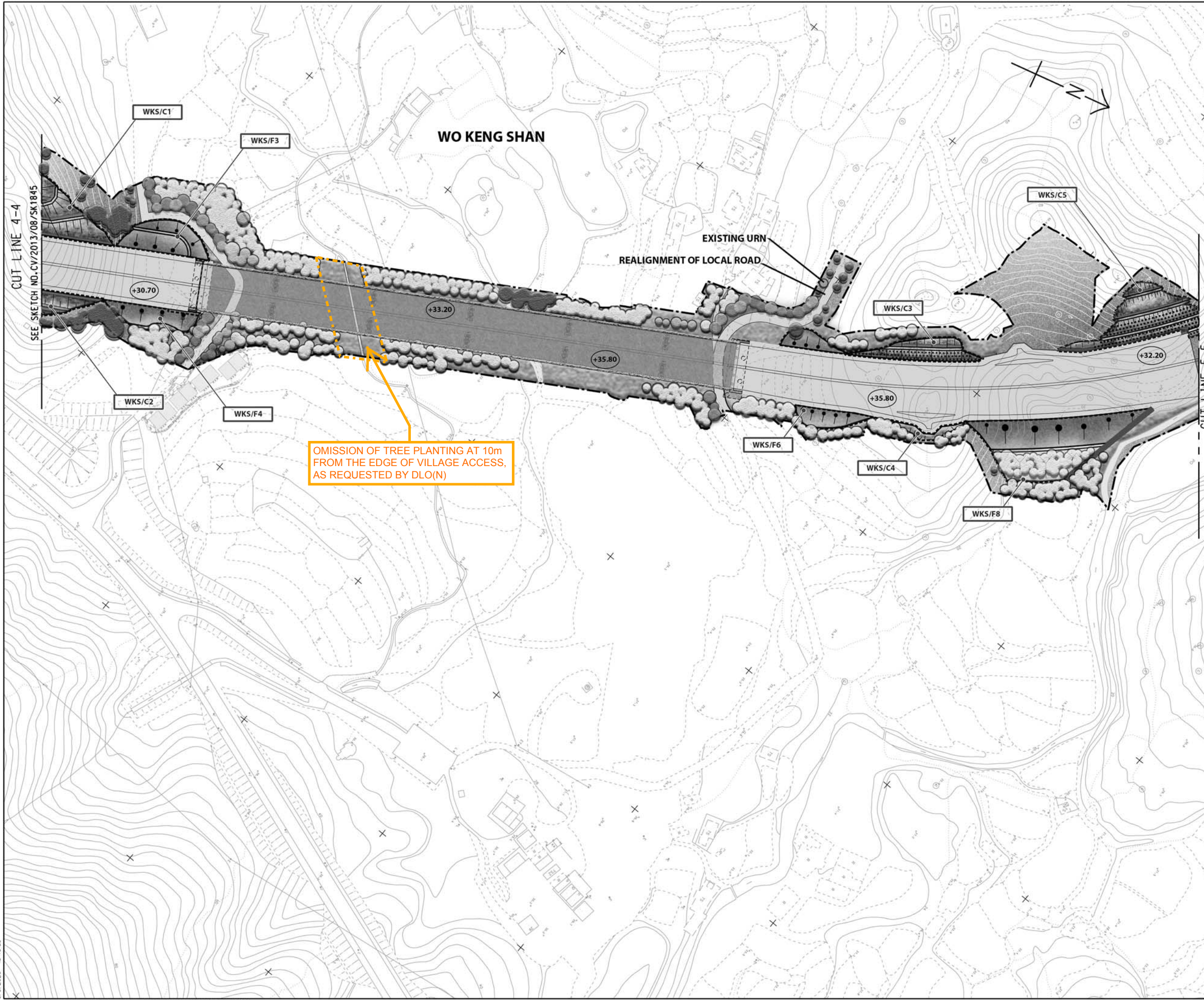
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Rev.	Date	Description	Drawn	Prepared	Checked

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CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
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TITLE: LANDSCAPE MASTER PLAN
(SHEET 7 OF 13)

SKETCH NO. 60212563/LM/007/E SCALE 1:2000 (A3)



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-	20/07/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

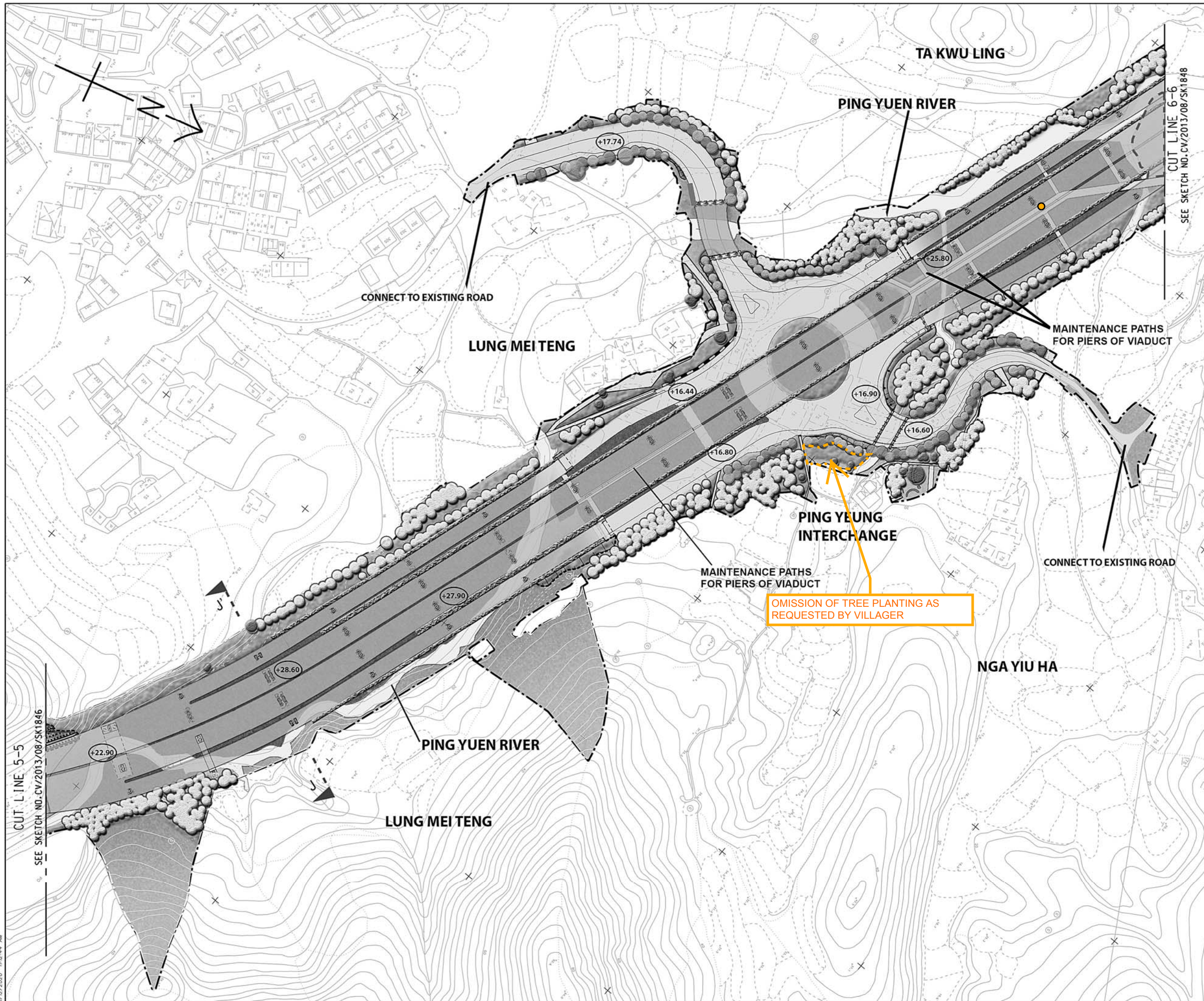
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CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
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TITLE:
LANDSCAPE MASTER PLAN
(SHEET 8 OF 13)

SKETCH NO. 60212563/LM/008/D

SCALE 1:2000 (A3)



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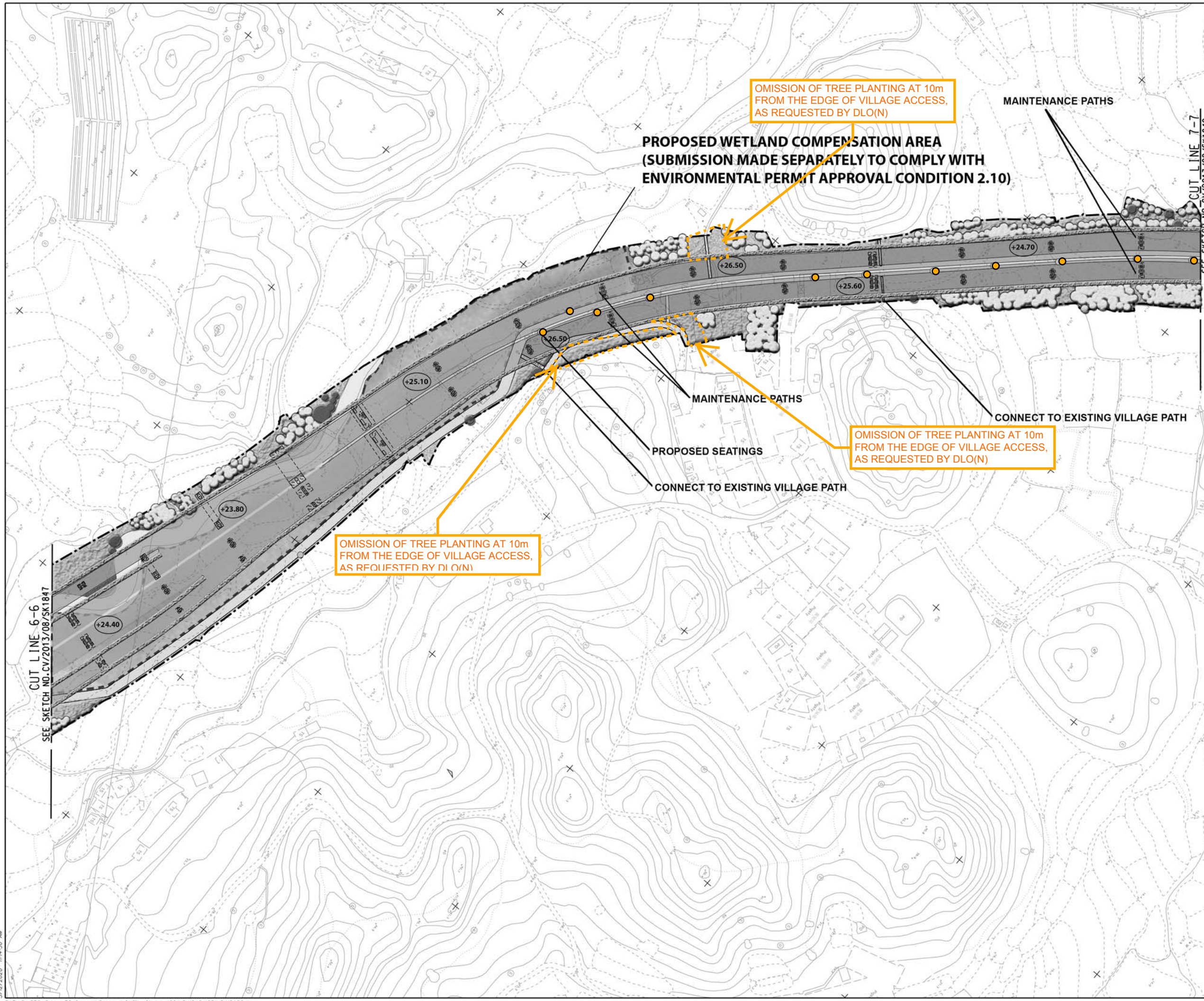
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: LANDSCAPE MASTER PLAN
(SHEET 9 OF 13)

SKETCH NO. AY/LP4/009

SCALE 1:2000 (A3)

5/12/2020 11:12:44 AM



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Rev.	Date	Description	Drawn	Prepared	Checked

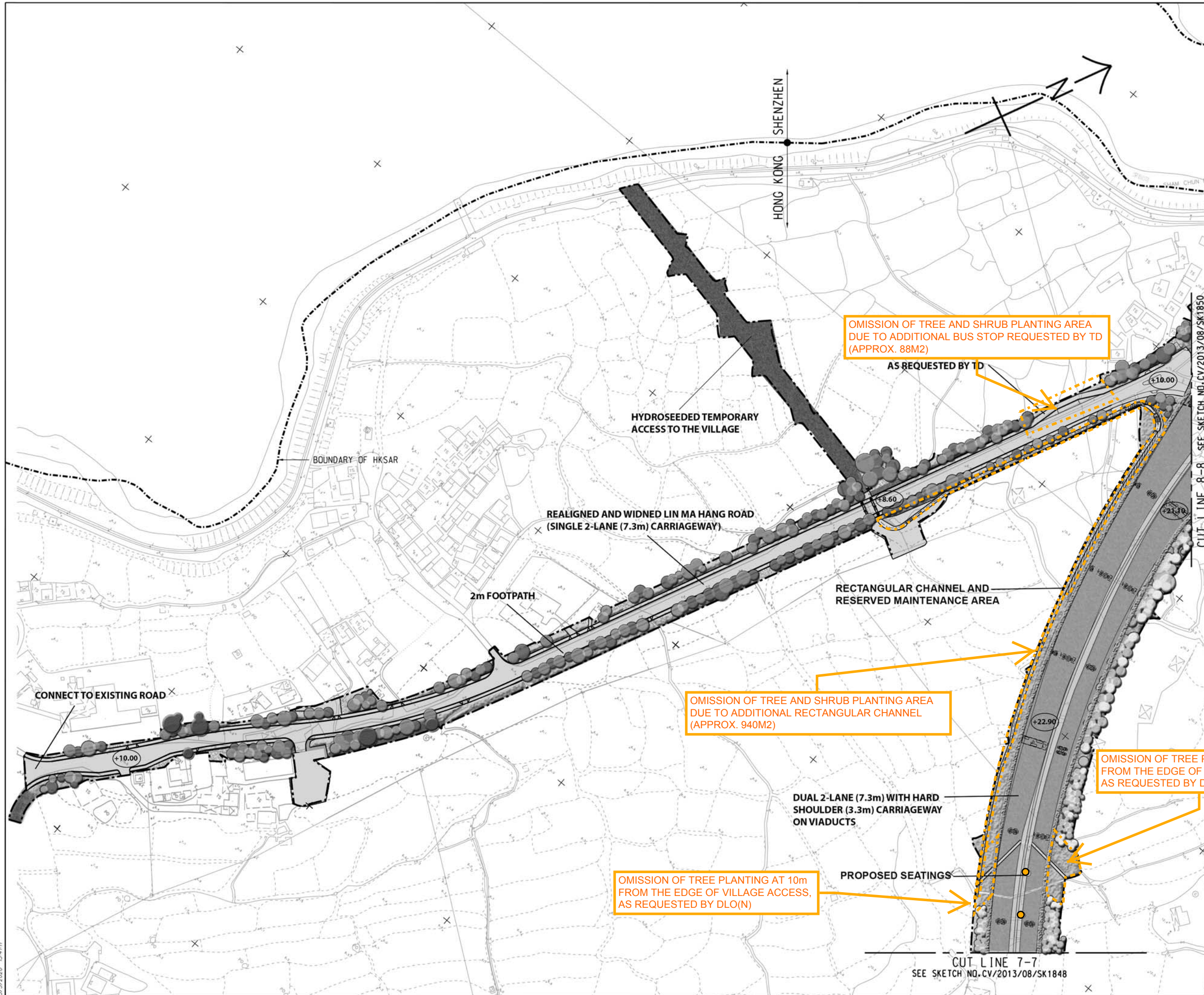
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CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: LANDSCAPE MASTER PLAN
(SHEET 10 OF 13)

SKETCH NO.	AY/LP4/010	SCALE 1:2000 (1/3)
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OMISSION OF TREE AND SHRUB PLANTING AREA
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(APPROX. 88M²)

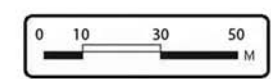
AS REQUESTED BY TD

OMISSION OF TREE AND SHRUB PLANTING AREA
DUE TO ADDITIONAL RECTANGULAR CHANNEL
(APPROX. 940M²)

OMISSION OF TREE PLANTING AT 10m
FROM THE EDGE OF VILLAGE ACCESS,
AS REQUESTED BY DLO(N)

OMISSION OF TREE PLANTING AT 10m
FROM THE EDGE OF VILLAGE ACCESS,
AS REQUESTED BY DLO(N)

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PLANTING AT 10m VILLAGE ACCESS, DOLO(N)		INSTRUCTION	LKK	TNTK	CLSY
		INSTRUCTION	LKK	TNTK	CLSY
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Rev.	Date	Description	Drawn	Prepared	Checked

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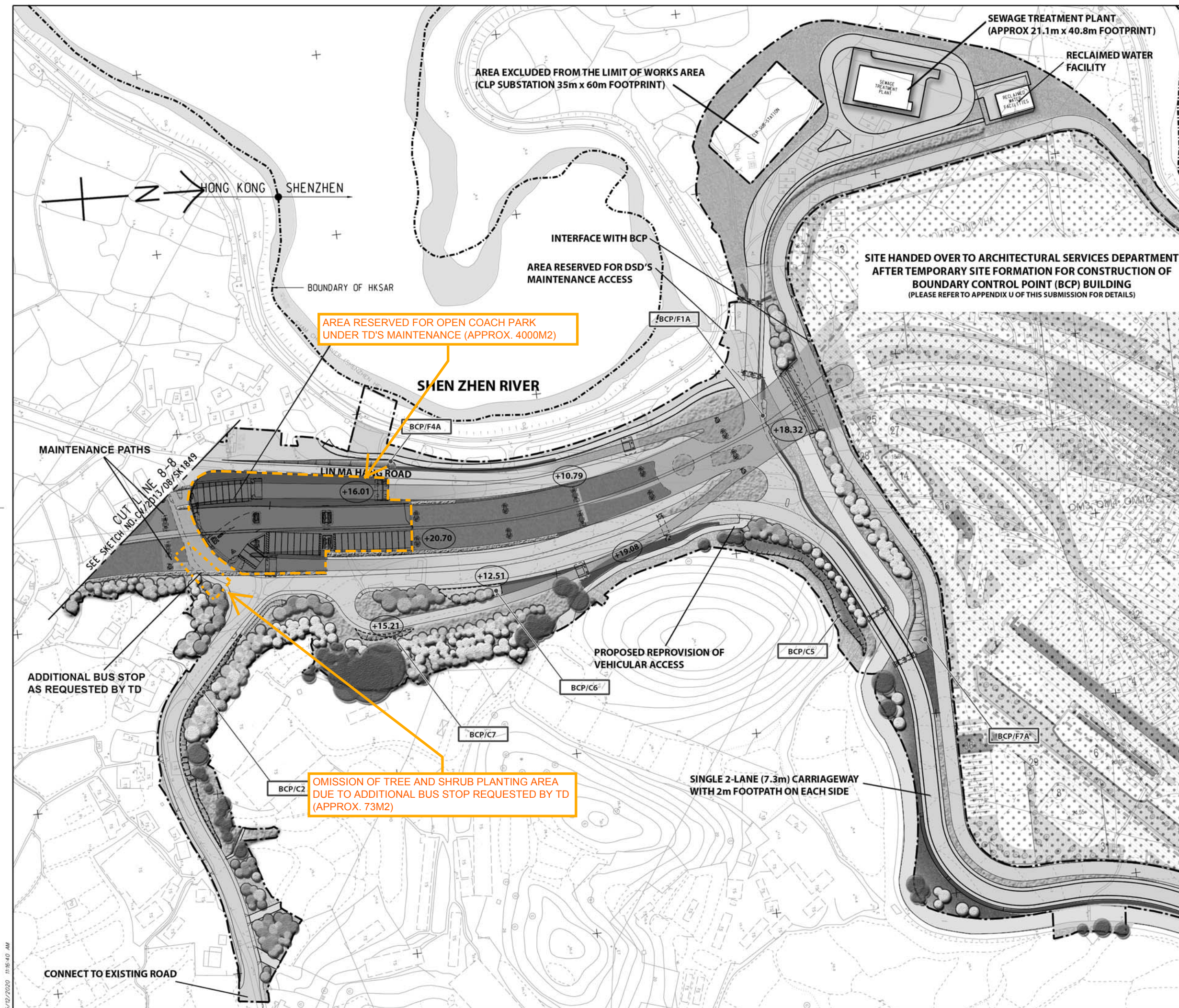
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LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: LANDSCAPE MASTER PLAN
(SHEET 11 OF 13)

SKETCH NO. AY/LP4/011

SCALE 1:2000 (A3)

13/5/2020 15:41:11



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Rev.	Date	Description	Drawn	Prepared	Checked
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CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

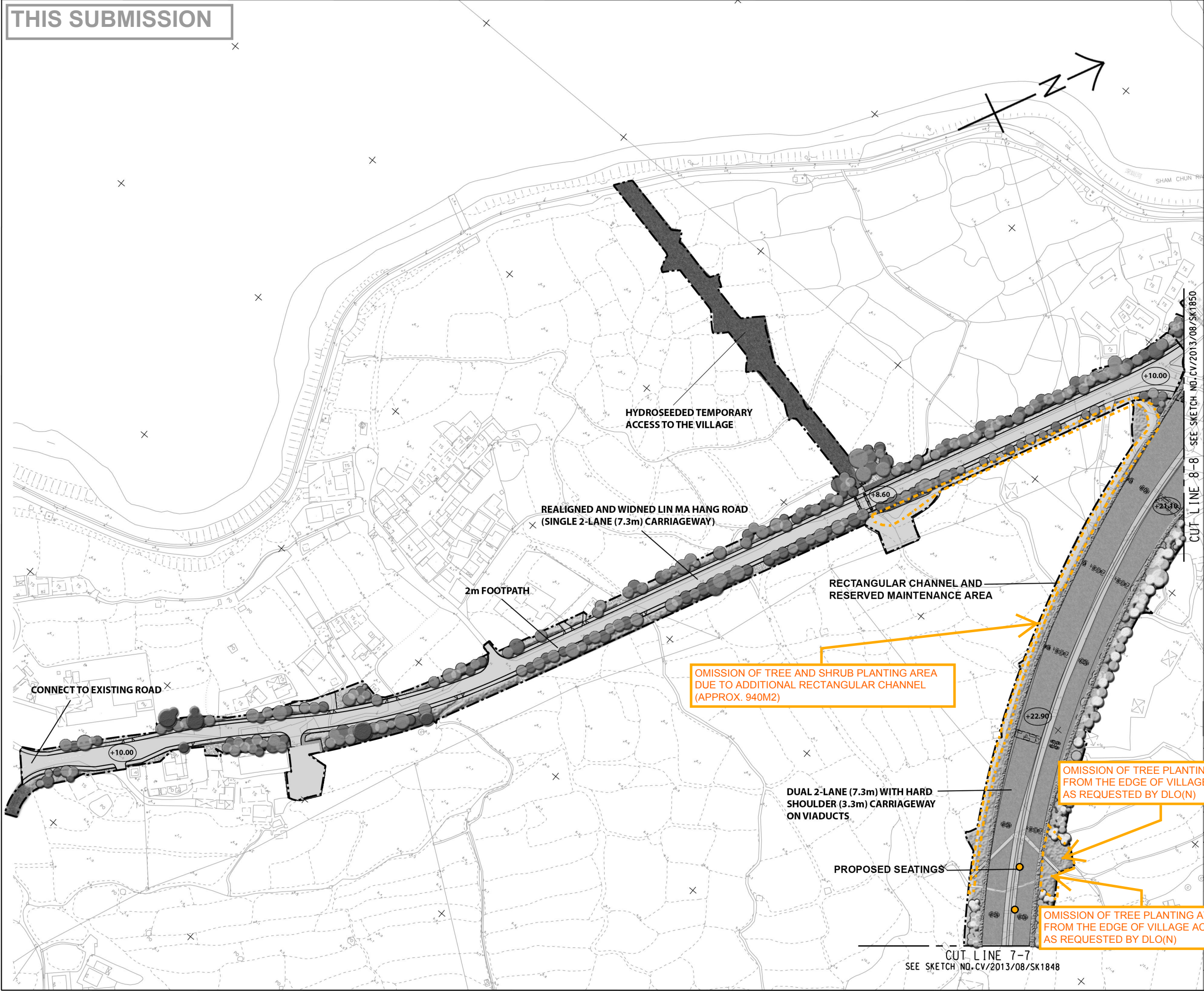
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(SHEET 12 OF 13)

SKETCH NO. AY/LP4/012

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Rev.	Date	Description	Drawn	Prepared	Checked

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FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

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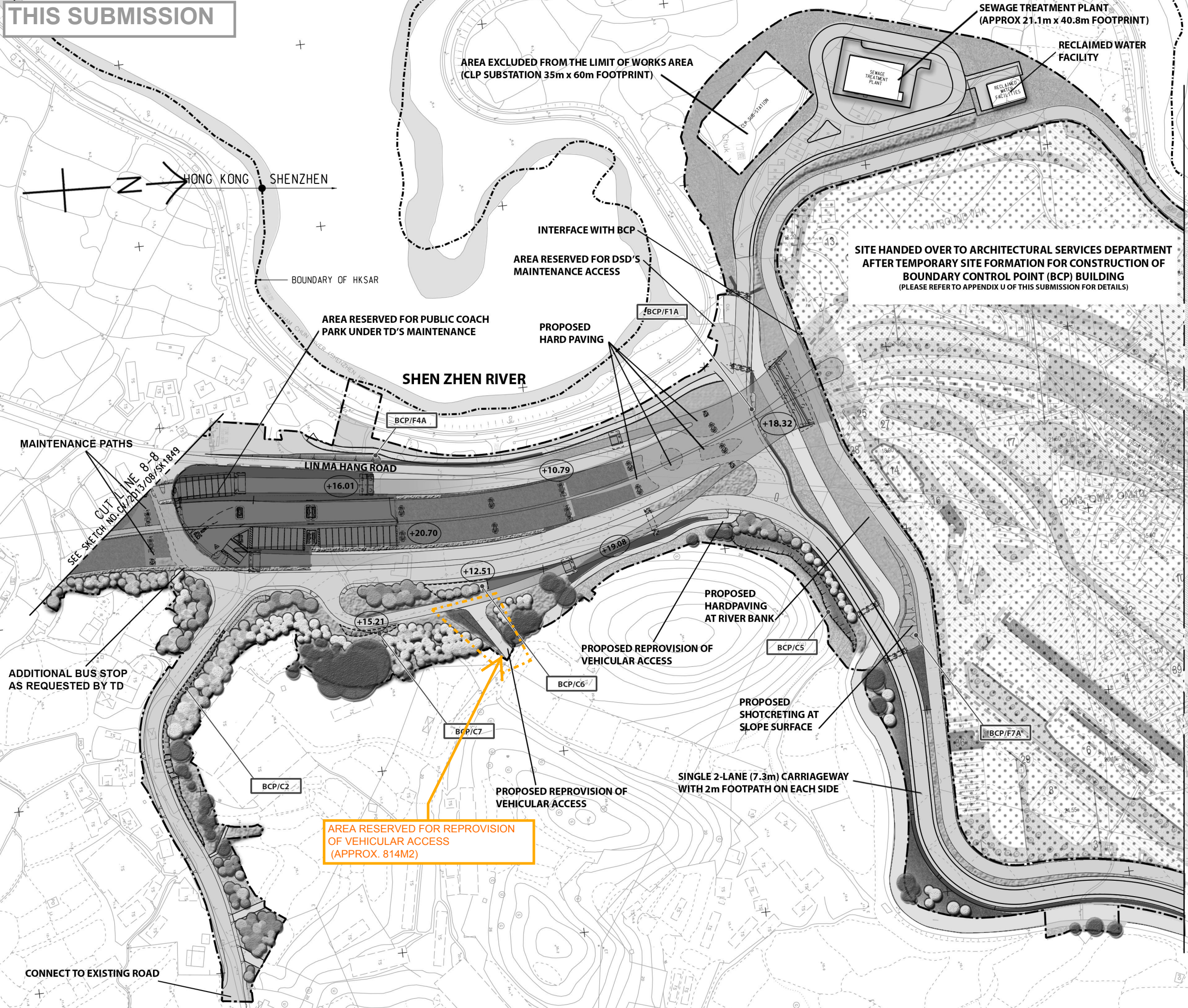
LANDSCAPE MASTER PLAN
(SHEET 11 OF 13)

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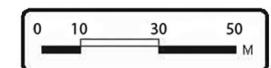
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11/5/2018 9:08:59 AM

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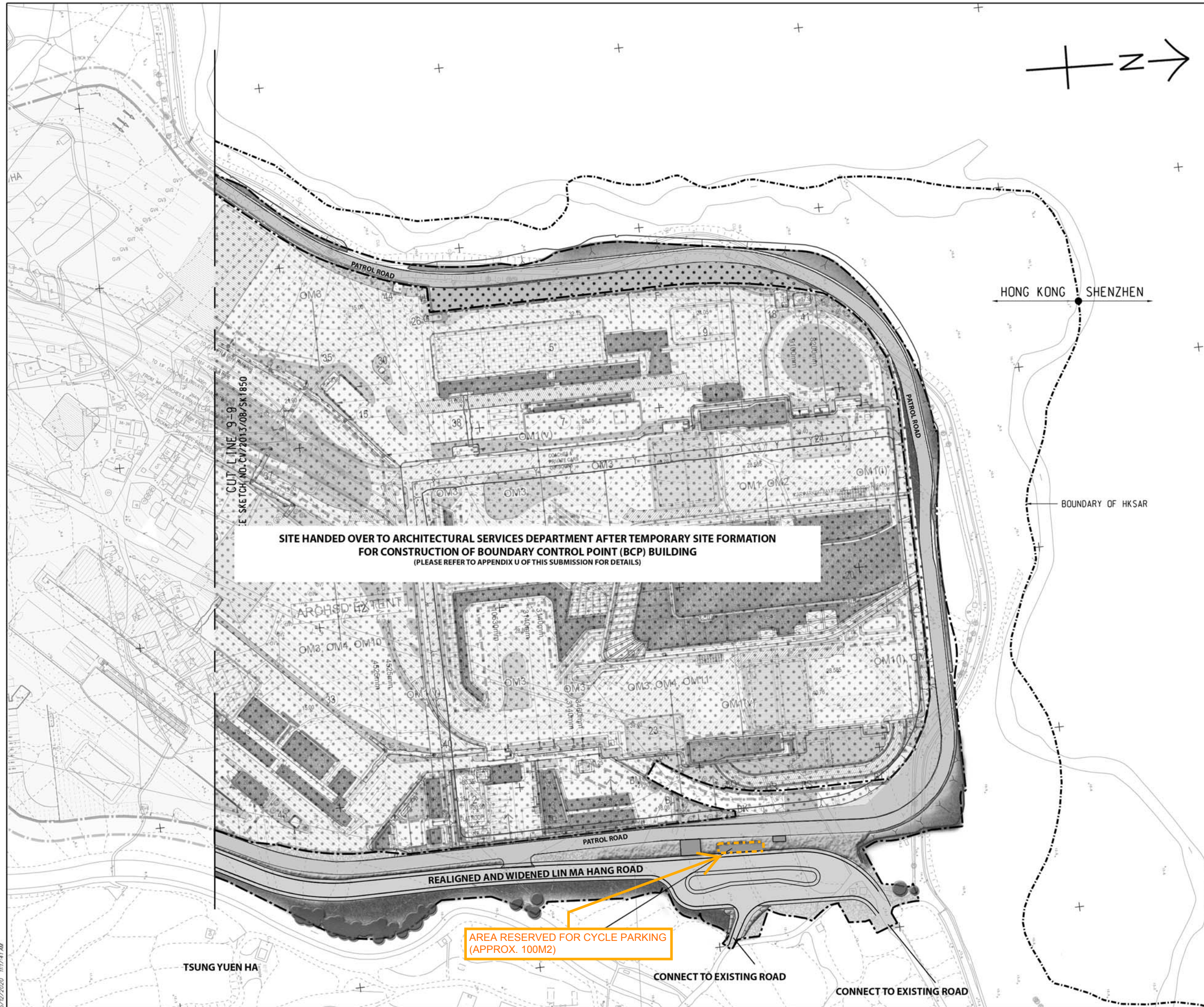
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TITLE: LANDSCAPE MASTER PLAN (SHEET 12 OF 13)

SKETCH NO. 60212563/LM/012/G SCALE 1:2000 (A3)

5/12/2020 11:16:40 AM



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TITLE:
LANDSCAPE MASTER PLAN
(SHEET 13 OF 13)

SKETCH NO. AY/LP4/013

SCALE 1:2000 (A3)

Appendix Z

Correspondences related to Revised Landscape Treatment Corresponding to Public Noises and Additional Departmental Requirements

Correspondences for Revised Landscape Treatment corresponding to Public Noise and Additional Departmental Requirement

1) Additional Rectangular Channel near Kaw Liu Village (corresponding to **Section 13.16.4** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
1A	21-Nov-2018	AECOM	LandsD	(CV/2013/08)/C05/200/(H08816)	Unauthorized Soil Filling Activities near Kaw Liu Village	Notification of unauthorised soil filling activities at adjacent private lots, which resulted in flooding and drainage problem within CV/2013/08 site.
1B	9-Dec-2019	DSD	AECOM	email only	Additional Drainage Channel near Kau Liu Village (DVO 639)	DSD had no objection-in-principle for the drainage works

2) LandsD's Concern on Public Safety - Omission of Trees within 10m from the kerb of Village Path (corresponding to **Section 13.16.5** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
2A	27-Jun-2019	CEDD	AECOM	email only	Vegetation issues on UUGL under LT/HYW BCP project (with CEDD's information note on LandsD's stance of the issue)	DLO has no objection to take back UUGL with vegetation and trees on it as long as the UUGL is not accessible by and remote from the public.
2B	17-Sep-19	LandsD	CEDD	(25) in L/M(14) in DLON 2/61/06	Soft Landscape Works Proposal and Demarcation of Maintenance Responsibility	In the meeting dated 16 July 2019 , LandsD stated that they had reservation to take up the vegetation within 10m measured from kerb of public roads, and suggested that those vegetations should be maintained by HAD.

3) WSD's Request for Concrete Pavement at Tau Pass Intake Area (corresponding to **Section 13.16.6** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
3A	17-Dec-2019	AECOM	WSD	email only	Proposed New Ramp at Tau Pass near Pier AC2 and Additional Works near Tau Pass Intake	WSD confirmed the provision of 150mm thick pavement at Tau Pass Intake Area.

4) HyD's Concern of Potential Sightline Obstruction at Tai Wo Service Road East and Tai Wo Service Road West (corresponding to **Section 13.16.7** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
4A	27-Nov-2018	AECOM	HYD	email only	CV/2012/09 - Handover of Works in Fanling Highway	HyD/HSR commented that concrete pavement (say 75mm thick) should be constructed in the verge area between TSWRW and FLHW
4B	6-May-2019	HYD	AECOM	email only	CV/2012/09 - Surface Treatment Near Roundabout	HyD agreed to the provision of hard paved area at the Roundabout of TWSRE

5) LCSD's Concern of Tree Planting Spacing and Potential Sightline Obstruction (corresponding to **Section 13.16.8** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
5A	16-Jul-2019	AECOM	LCSD	email only	Liantang/Heung Yuen Wai Boundary Control Point-Soft Landscape Works Proposal	LCSD requested to omit the tree planting at Ping Yeung Interchange
5B	29-Apr-2020	AECOM	LCSD	email only	CV/2013/08 Liantang/Heung Yuen Wai -Revised Tree Removal Application (Rev4) -Maintenance Responsibility of Trees within 10m from Kerb of Public Roads	LCSD requested to omit the tree planting at Wo Keng Shan Road near Bridge B

6) Objection from Local Villager to the Tree Planting Works (corresponding to **Section 13.16.9** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
6A	13-May-2020	AECOM	HAD	meeting minutes	Minutes of Meeting dated 13 May 2020	19nr trees should be omitted to fulfill the villager's request

7) LandsD's Agreement of Additional Palm Planting at UUGLs (corresponding to **Section 13.16.10** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
7A	20-Dec-2019	LandsD	AECOM	email only	Contract No CV/2012/09(Contract 3) -Tree Transplantation and compensatory planting proposal	LandsD had no comment to the proposed compensatory planting.

8) LCSD's Agreement of Additional Tree and Palm Planting at Roadside Planting Areas (corresponding to **Section 13.16.11** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
8A	08-Jul-2020	LCSD	AECOM	email only	Proposed Additional Soft Landscape Area along Tai Wo Service Road East - Additional information 2	LCSD had no adverse comment to the planting proposal for roadside planting areas along TWSRE.
8B	24-Oct-2019	LCSD	AECOM	email only	Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)	LCSD agreed to take up the vegetation maintenance responsibility of additional planting areas
8C	29-Apr-2020	AECOM	LCSD	email only	CV/2013/08 Liantang/Heung Yuen Wai -Revised Tree Removal Application (Rev4) -Maintenance Responsibility of Trees within 10m from Kerb of Public Roads	LCSD agreed to take up the maintenance responsibility of 73nr trees

9) LCSD's Agreement of Additional Compensatory Tree Planting at Off-site Areas (corresponding to **Section 13.16.12** of the submission text)

Corr.	Date	From	To	Letter Ref.	Title	Remarks
9A	07-Sep-2019	AECOM	LCSD	email only	Inspection with LCSD-NT North Tree Team on 5 September 2019	
9B	11-Sep-2019	LCSD	AECOM	email only	Tree Planting at LCSD Sites	
9C	12-Sep-2019	CEDD	AECOM	email only	Tree Planting at LCSD Sites	Project proponent, CEDD, had no objection to additional compensatory tree planting at off-site areas
9D	10-Oct-2019	LCSD	AECOM	email only	Proposal of replanting at Po Kin Road, North District	
9E	19-Nov-2019	LCSD	AECOM	email only	Proposal of replanting at Sha Tau Kok Road, North District	

10) Additional Bus Lay-bys near Coach Parking Area at Lin Ma Hang Road

Corr.	Date	From	To	Letter Ref.	Title	Remarks
10A	11-Sep-2020	TD	CEDD/ AECOM	email only	Outstanding items of HYWH Project	

Your Ref :
Our Ref : (CV/2013/08)/C05/200/(H08816)

21 November 2018

Lands Department
Lands Administration Office
District Lands Office, North
6th floor North District Government Offices
3 Pik Fung Road
Fanling New Territories

Attn: Mr. Mak Wing Ho (Land Ex/Special Duties 1)

Dear Sirs,

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Unauthorized Soil Filling Activities near Kaw Liu Village

I write to report that since 9 November 2018, there have been unauthorized soil filling activities at private lots near Kaw Liu Village, as observed and recorded by my staff. The attached record photos clearly show the subject unauthorized activities, of which the locations are shown on the attached sketch.

The unauthorized soil filling activities have caused adverse impact to the neighbouring areas including our site, from safety, drainage, and geotechnical points of view. As such I would be much grateful if you could take enforcement action against such unauthorized act according to the relevant legislations.

Thank you for your attention.

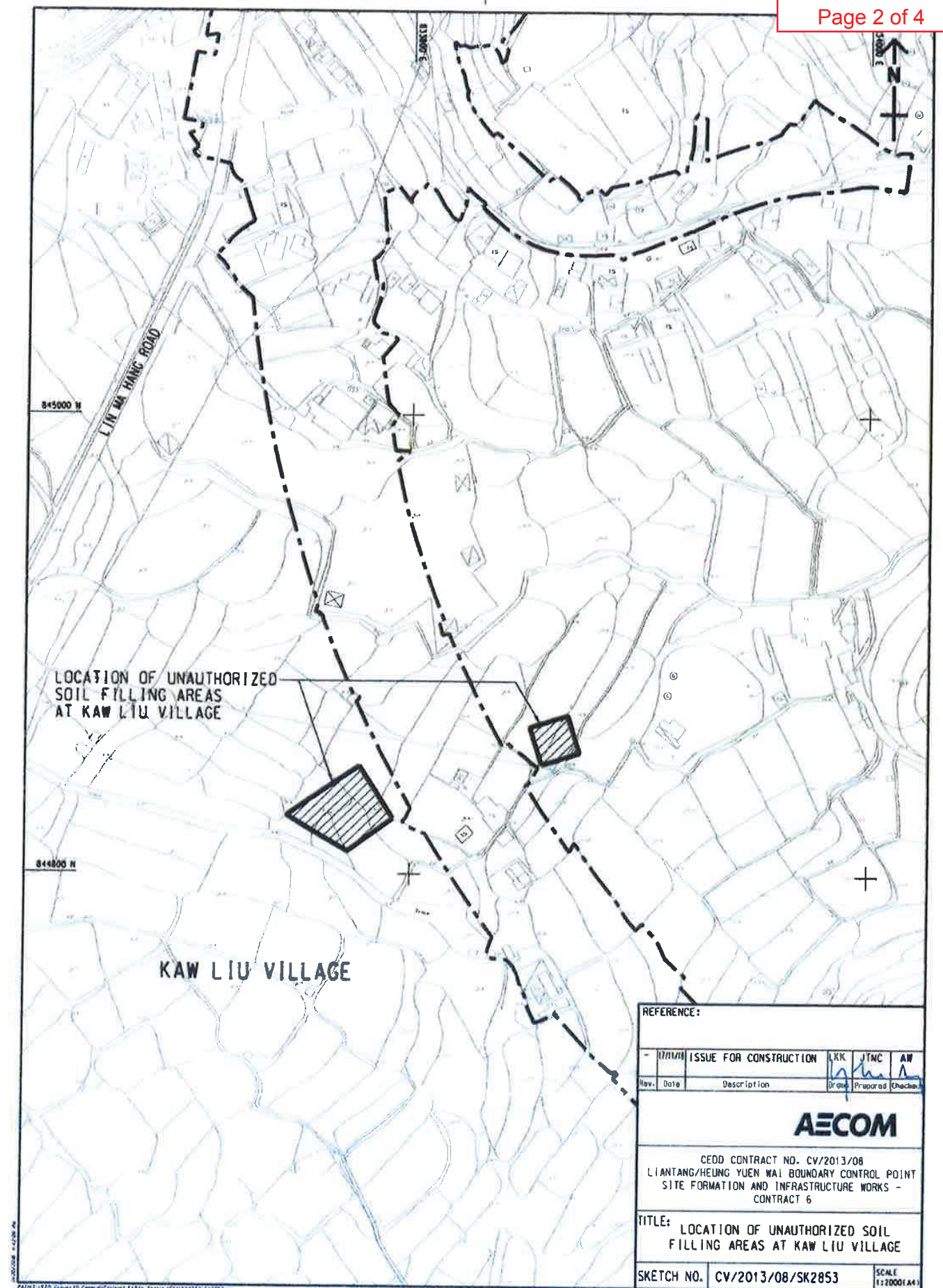
Yours faithfully,

Simon Leung
Simon Leung
Chief Resident Engineer
AECOM Asia Co. Ltd.

Encl.

c.c. CEDD/NDO – Attn: Mr. Joe Yip / Mr. Steve Lo
DO – Attn: Ms. Teresa Wong
EPD/North – Attn: Miss. Tsai Hei Lok, Sharon
AECOM – Attn: Mr. Francis Leong / Mr. Pat Lam
CCKJV – Attn: Mr. Vincent Chan

SL/AW/JTMC/tc



Site Photos showing unauthorized soil filling activities near Kaw Liu Village

Photo 1 - taken on 9 November 2018



Photo 2 - taken on 12 November 2018



Photo 3 - taken on 15 November 2018



Photo 4 - taken on 20 November 2018



From: lcwong02@dsd.gov.hk
To: WONG Chi Ho, Anthony
Cc: atam@dsd.gov.hk; NG Nga Tat, Owen; NGAI Wai Man, Raymond; kfman@dsd.gov.hk; tmwong02@dsd.gov.hk; myho04@dsd.gov.hk
Subject: Fw: Additional Drainage Channel near Kau Liu Village (DVO 639)
Date: Monday, 9 December 2019 5:56:10 PM
Attachments: ATT00001.jpg
ATT00002.gif
ATT00003.jpg
ATT00004.jpg
ATT00005.gif
ATT00006.jpg
ATT00007.jpg
ATT00008.gif
ATT00009.jpg
SK3463 r1 20191209.PDF

Dear Anthony,

Please be advised that this Office have no objection-in-principle to your proposal provided that the details of the proposed drainage works are up to our satisfaction and meet our requirements.

Best regards,
Anthony WONG
E/SD, MND, DSD
2300 1274



----- Forwarded by LC WONG/MND/DSD/HKSARG on 09/12/2019 17:19 -----

From: "WONG Chi Ho, Anthony" <anthony.wong@lt-aecom.com>
To: "lcwong02@dsd.gov.hk" <lcwong02@dsd.gov.hk>
Cc: "atam@dsd.gov.hk" <atam@dsd.gov.hk>, "NG Nga Tat, Owen" <owen.ng@lt-aecom.com>, "NGAI Wai Man, Raymond" <raymond.ngai@lt-aecom.com>, "kfman@dsd.gov.hk" <kfman@dsd.gov.hk>, "tmwong02@dsd.gov.hk" <tmwong02@dsd.gov.hk>, "myho04@dsd.gov.hk" <myho04@dsd.gov.hk>
Date: 09/12/2019 16:53
Subject: RE: Additional Drainage Channel near Kau Liu Village (DVO 639)
Serial No.:

Dear Anthony,

We refer to your below reply email and our tele-con earlier this afternoon regarding the subject channel.
Please find our responses as follows:

- (a) Noted. The connection details shall be provided in due course.
- (b) The section views shall be provided in due course.
- (c) Noted. The direction of the 375U overflow opening has been amended as indicated on the attached revised Sketch No. SK3463. The details of such opening shall be provided in due course.
- (d) The flow from the 1500 x 1000 catchpit shall be diverted directly to the existing manhole no. SMH8052B as indicated on the attached revised Sketch No. SK3463.
- (e) The details of the existing 960 x 650 box culvert shall be provided in due course.
- (f) The photos shall be provided in due course.

Maintenance view:

- (a) Sketch No. SK3463 has been revised accordingly.
- (b) The comment is presented as Note 1 on Sketch No. SK3463.
- (c) Sketch No. SK3463 has been revised accordingly.
- (d) The comment is presented as Note 2 on Sketch No. SK3463.

Please kindly advise if you have any objection-in-principle to the proposed drainage scheme as presented in the revised Sketch No. SK3463. Your early reply by 10 Dec 2019 would be much appreciated

Regards,

WONG Chi Ho, Anthony
Resident Engineer

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6
T +2251 0682 / M +5640 9886

From: lcwong02@dsd.gov.hk [<mailto:lcwong02@dsd.gov.hk>]
Sent: Monday, December 09, 2019 11:44 AM
To: WONG Chi Ho, Anthony
Cc: atam@dsd.gov.hk; NG Nga Tat, Owen; NGAI Wai Man, Raymond; kfman@dsd.gov.hk; tmwong02@dsd.gov.hk; myho04@dsd.gov.hk
Subject: Fw: Additional Drainage Channel near Kau Liu Village (DVO 639)

Dear Anthony,

I refer to your email below regarding the subject. Please find our comments on your proposal.

- (a) The connection details at the connection points between the proposed rectangular channel RC2 and the existing drainage channels should be provided.
 - (b) Section views at different locations showing the proposed and existing drainage facilities, existing features and site conditions such as ground level, etc should be provided for our easy reference.
 - (c) From the drainage point of view, the storm water from the proposed rectangular channel RC2 and the existing drainage channel cannot be effectively diverted to the existing 375 mm and 300 mm U-channels respectively through the overflow openings in a direction perpendicular to these existing drainage facilities in particular during the high water flow condition. Please revise your design and provide the details of the overflow openings for our further comment.
 - (d) Please advise why the flow from the existing 1500 x 1000 catchpit or the existing streamcourse cannot be diverted directly to the existing manhole no. SMH8052B.
 - (e) Please provide the details of the existing 960 x 650 box culvert in particular the cover level.
 - (f) Please provide photos showing the existing site condition in particular the streamcourse at the downstream of the existing 1500 x 1000 catchpit.
- Our comments from the maintenance point of view are also enclosed below for your necessary follow up.
- (a) Lockable gates should be provided in 50m interval. (SDM requests 60m an access to proposed channel, so this figure is come with this rationale.)
 - (b) Trash screen of 1/3 channel height should be installed before bending, inlet to crossroad drains, opening to connection to existing channel, and the overflow opening to your proposed 375U.
 - (c) The proposed channel width, if land requirement is allowed, please increase to 1.5m to have storage function of the channel. (also the channel width could by occupied by a Village vehicle)
 - (d) An improper footpath/verge in 1.5m is better to be allowed adjacent the proposed channel for DSD's silt/rubbish cleaning handling.

Best regards,
Anthony WONG
E/SD, MND, DSD
2300 1274



----- Forwarded by LC WONG/MND/DSD/HKSARG on 05/12/2019 09:47 -----

From: "WONG Chi Ho, Anthony" <anthony.wong@it-aecom.com>
To: "lcwong02@dsd.gov.hk" <lcwong02@dsd.gov.hk>
Cc: "NG Nga Tat, Owen" <owen.ng@it-aecom.com>, "NGAI Wai Man, Raymond" <raymond.ngai@it-aecom.com>
Date: 04/12/2019 11:41
Subject: Additional Drainage Channel near Kau Liu Village (DVO 639)
Serial No.:

Dear Anthony,

Further to the below meeting at your office and the subsequent site inspection with your colleague, please find attached Sketch No. SK3463 showing the schematic layout and section of the proposed rectangular channel RC2 for your comment.

Your early reply by 5 Dec 2019 would be much appreciated for the purpose of cost estimate and onward VO application to CEDD. Please feel free to call me for necessary discussion. Many thanks.

Regards,

WONG Chi Ho, Anthony
Resident Engineer

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6
T +2251 0682 / M +5640 9886

From: WONG Chi Ho, Anthony
Sent: Thursday, September 26, 2019 9:47 AM
To: lcwong02@dsd.gov.hk
Cc: Lo Chi Fai, Steve; Lam Shu, Albert; NG Nga Tat, Owen; LEE Moon Bor, Bob; 'kfman@dsd.gov.hk'; 'myho04@dsd.gov.hk'; 'tmwong02@dsd.gov.hk'; 'atam@dsd.gov.hk'
Subject: RE: FW: Additional Drainage Channels near Wo Keng Shan & Kau Liu Village

Dear Anthony,

We propose to have the meeting at your office at 3:30pm on 4 Oct 2019 (Fri). Please reserve meeting room, thanks.

Regards,

WONG Chi Ho, Anthony
Resident Engineer

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6
T +2251 0682 / M +5640 9886

From: lcwong02@dsd.gov.hk [<mailto:lcwong02@dsd.gov.hk>]
Sent: Tuesday, September 24, 2019 2:20 PM
To: WONG Chi Ho, Anthony
Cc: Lo Chi Fai, Steve; Lam Shu, Albert; NG Nga Tat, Owen; LEE Moon Bor, Bob; kfman@dsd.gov.hk; myho04@dsd.gov.hk; tmwong02@dsd.gov.hk; atam@dsd.gov.hk
Subject: Fw: Additional Drainage Channels near Wo Keng Shan & Kau Liu Village

Dear Anthony,

I refer to your email below regarding the subject.

Please be advised that we are available at the following time slots.

- (a) 3 Oct 2019 (Thu) pm
- (b) 4 Oct 2019 (Fri) pm

Best regards,
Anthony WONG
E/SD, MND, DSD
2300 1274



----- Forwarded by LC WONG/MND/DSD/HKSARG on 24/09/2019 14:18 -----

From: "WONG Chi Ho, Anthony" <anthony.wong@it-aecom.com>
To: "lcwong02@dsd.gov.hk" <lcwong02@dsd.gov.hk>
Cc: "Lo Chi Fai, Steve" <stevelo@cedd.gov.hk>, "Lam Shu, Albert" <albertlam@cedd.gov.hk>, "NG Nga Tat, Owen" <owen.ng@it-aecom.com>, "LEE Moon Bor, Bob" <bob.lee@it-aecom.com>
Date: 18/09/2019 16:33
Subject: Additional Drainage Channels near Wo Keng Shan & Kau Liu Village
Serial No.:

Dear Anthony,

I refer to our tele-con yesterday regarding 2 nos. additional drainage channels near Wo Keng Shan (i.e. under Bridge C) and Kau Liu Village. Their locations are indicated on the attached Key Plan. These 2 nos. channels are proposed to relieve the risk of flooding as requested by villagers. The schematic layout plans of the 2 nos. drainage channels are also attached.

We would like to have a meeting at your office for us to brief you the background and details of both

From: LEUNG Siu Yin, Carol
Sent: Thursday, 27 June, 2019 2:44 PM
To: WONG Tin Lok, Clement; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; TAM Tsz Him, Ray; CHAN Mei Yee, Jean; SZE Siu Ching, Sandy
Cc: NG Nga Tat, Owen; WONG Chung Tat; HO Ying Lun, Alan; LEE Chun Fai, Alan; LING Yun, Julian
Subject: FW: Re: 轉寄: Vegetation issues on UUGL at North District under LT/HYW BCP project
Attachments: Unresolved MM_information note on vegetation_on_UUGL_27.6.2019_r1.pdf

Dear all,
Please see the interim reply from CEDD regarding the maintenance responsibly of vegetation on UUGL.

Thanks!
Carol
21713405/63215017

From: stevelo@cedd.gov.hk [mailto:stevelo@cedd.gov.hk]
Sent: Thursday, June 27, 2019 2:33 PM
To: LEUNG Siu Yin, Carol
Cc: NG Nga Tat, Owen; WONG Chi Ho, Anthony; Lam Shu, Albert
Subject: 轉寄: Re: 轉寄: Vegetation issues on UUGL at North District under LT/HYW BCP project

Dear Carol
Thanks for the inputs. Attached our email to GLTM of DEVB for your information.

According to GLMT's advice, DLO has no objection to take back UUGL with vegetation and trees on it as long as the UUGL is not accessible by and remote from the public, for example, those pieces of UUGL along the top boundary of the slopes adjoining the site boundary.

DLO is most concerned with the landscaped areas adjoining the paved area under the viaduct(between PYI and LMHI), worrying that villagers might file complaints/requests to DLO for carrying out some pruning/watering/beautification works to these planting later.

Regards,

Steve LO
SE/3(N)
NDO, CEDD
(Tel: 3547 1633)

----- Forwarded by STEVE CHI FAI LO/CEDD/HKSARG on 27/06/2019 14:24 -----

From: STEVE CHI FAI LO/CEDD/HKSARG
To: Florence Wan Yee KO/DEVB/HKSARG@DEVB,
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, Edmond YF LAM/DEVB/HKSARG@DEVB, Janet CK WONG/DEVB/HKSARG@DEVB, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Ka Yan LAW/DEVB/HKSARG@DEVB, Maggie TL KWONG/HAD/HKSARG@HAD, Wing Wun CHONG/HAD/HKSARG@HAD, PEI YU LU/CEDD/HKSARG@CEDD

Dear Florence
Please find attached an Information Note on the captioned issue for your reference.

Noting that you will be on study leave in the week of 8 July, Joe and I are available on the following time slots for the meeting with DLO:

- 5 July p.m.
- 15 July p.m.
- 16 July a.m./p.m.
- 17 July a.m./p.m.

Thanks for your coordination and arrangement.

In the meantime, we are reviewing other unresolved M&M issues on vegetation and will revert to you for consideration, if required.

Regards,

Steve LO
SE/3(N)
NDO, CEDD
(Tel: 3547 1633)

From: Florence Wan Yee KO/DEVB/HKSARG@DEVB
To: STEVE CHI FAI LO/CEDD/HKSARG@CEDD,
Cc: Janet CK WONG/DEVB/HKSARG@DEVB, Edmond YF LAM/DEVB/HKSARG@DEVB, ALBERT SHU LAM/CEDD/HKSARG@CEDD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Ka Yan LAW/DEVB/HKSARG@DEVB
Date: 27/06/2019 09:41
Subject: Re: 轉寄: Vegetation issues on UUGL at North District under LT/HYW BCP project

Dear Steve,

Many thanks for your findings re. the feasibility of deleting proposed planting works that have yet to be planted on UUGL.

As to the discussion with DLO/N, Ms Y L HUANG (Senior Land Executive / Special Duty) returned my call yesterday and advised that DLO has no objection to take back UUGL with vegetation and trees on it as long as the UUGL is not accessible by and remote from the public, for example, those pieces of UUGL along the top boundary of the slopes adjoining the site boundary. DLO is most concerned with the landscaped areas adjoining the public access under the elevated highway to be maintained by

DO/North of which we all inspected on 13 June 2019.

In this connection, DLO has initially agreed to meet the project team and DO/North to discuss in detail. Grateful if you would let us have a few possible meeting dates in mid-July for further arrangement with DLO.

Please also let us have a comprehensive list of problematic areas re. delineation of vegetation maintenance responsibilities within the site boundary as soon as possible, together with the respective tree management departments in question.

Pleased to discuss further. Many thanks.

Florence

From: STEVE CHI FAI LO/CEDD/HKSARG@CEDD
To: Florence Wan Yee KO/DEVB/HKSARG@DEVB
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, Edmond YF LAM/DEVB/HKSARG@DEVB, JOE HUNG PING YIP/CEDD/HKSARG@CEDD
Date: 27/06/2019 08:57
Subject: Re: 轉寄: Vegetation issues on UUGL at North District under LT/HYW BCP project

Dear Florence

I refer to our discussion recently regarding the feasibility to delete those planting works that have not commenced in UUGL if policy support from DEVB is given.

Herewith our feedback below:

- 1) It violates the condition stipulated in the Environment Permit (EP) since there will be significant change to the approved landscape mitigation measures stated in the EIA report.
- 2) It leads to adverse Landscape and Visual impact. Resubmission of Landscape Plan is required, but the chance of approval from PlanD and EPD is slim.
- 3) It needs to apply VEP as it involves material change. The requirement of application of VEP under EIAO is time consuming and the procedures are complicated.
- 4) It does not fulfill the statutory requirement of compensatory plantings as stipulated in DEVB TCW(W) No. 7/2015.

In summary, it is **not feasible** to delete the vegetation to be planted on UUGL since this requirement is bounded by

- i) EP approval condition 2.11- Landscape Plan;
<https://www.epd.gov.hk/eia/register/permit/latest/ep4042010.htm>
- ii) Tree Preservation and Removal Proposal under DEVB TCW(W) No. 7/2015.

We are now preparing an Information Note on the unresolved M&M issues of vegetation on UUGL and will revert to you under separate cover in due course.

Regards,

Steve LO
SE/3(N)

NDO, CEDD
(Tel: 3547 1633)

From: Florence Wan Yee KO/DEVB/HKSARG@DEVB
To: JOE HUNG PING YIP/CEDD/HKSARG@CEDD,
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD, Janet CK WONG/DEVB/HKSARG@DEVB, Edmond YF LAM/DEVB/HKSARG@DEVB
Date: 13/06/2019 16:31
Subject: Re: 轉寄: Vegetation issues on UUGL at North District under LT/HYW BCP project

Dear Joe,

Many thanks for the site visit just now.

To follow-up, please let us have a comprehensive list of problematic areas re. delineation of vegetation maintenance responsibilities within the site boundaries as soon as possible, together with the respective tree management departments in question. Relevant site drawings and photos are also needed for reference.

Please also let us have your proposed dates for meeting(s) with concerned tree management department(s). We can assist lining up the meeting(s).

Let's keep in touch.

Florence

**Liantang/Heung Yuen Wai Boundary Control Point (LT/HYW BCP) Project -
Connecting Road
Unresolved Management and Maintenance Issues**

Vegetation on Unleased and Unallocated Government Lands (UUGL)

1. Background Information

- As one of the environmental mitigation measures in the approved EIA report, vegetation in the form of trees (including palms), shrubs, climbers and grasses are to be provided under four Contracts (C2, C3, C5 and C6) of LT/HYW BCP Project in various locations and areas in the vicinity of the Connecting Road. A set of layout plans and tabular summaries for all such vegetation is in **Annex A**.
- According to the DEVB TC(W) No. 6/2015 (**Annex B**), LandsD shall be responsible for *ad hoc* maintenance (e.g. tree felling, trimming and grass cutting) for vegetation on UUGL not covered by items 3(a) to 3(l) of the schedule in Appendix A to DEVB TC(W) No. 6/2015. Note (iii) of Appendix A indicates that such *ad hoc* maintenance is only necessary when a requirement is identified and/or a complaint is received.
- There is an internal memo of LandsD dated 15.3.2016 (**Annex L**) stating that “(para 3 of last sentence) *LandsD will not take up the future tree maintenance to clear our stance*” which seems contradictory to DEVB TC(W) No. 6/2015. Even worse, according to our latest discussions with DLO/TP and DLO/N, their current stance has been extended to not only refuse tree maintenance, but all vegetation (except lawn) on UUGL.

2. LandsD’s Stance for not Taking Over *Ad hoc* Maintenance Responsibility for the Vegetation on UUGL

- AECOM, as CEDD’s consultants, submitted a series of proposals, including *Landscape Manual, Soft Landscape Proposals for different contracts, Applications for Further Tree Felling and Compensatory planting, Tree Preservation and Removal Application (Revision 3) and Management and*

Maintenance Schedules (Annex C), to relevant departments including DLO/TP and DLO/N. In response, both DLO/TP and DLO/N advised via their letters (**Annex D**) that they “*would not take up the maintenance responsibility of vegetation on the unleased unallocated Government land upon completion of the subject project*” and “*will not take up the maintenance responsibility of any compensated tress or transplanted trees*”.

- The Liaison Meeting on Revised Landscape Plan (Rev. 3) was held on 1 November 2018 among PlanD, EPD, LandsD (represented by DLO/N) and CEDD (including CEDD’s consultants). At the meeting, CEDD pointed out that it had recently been agreed verbally between CEDD (Note : There is a typo in the meeting minutes, it should be CEDD instead of DEVB) and LandsD’s D1 level that LandsD would take up the vegetation on UUGL for *ad hoc* maintenance after establishment. DLO/N did not raise any disagreement at the meeting. A copy of the related meeting minutes is at **Annex E**.
- In view of the agreement made with LandsD in the meeting dated 1 November 2018, AECOM submitted a *Revised Tree Preservations and Removal Application* dated 28 December 2018 and 1 February 2019 (**Annex F**), which compiled all revised tree status after the commencement of various Contracts. DLO/TP’s letters dated 11 January 2019 and 24 January 2019 (**Annex G**) state that:-
 - they have no information/instruction from LandsD/HQ about taking up the responsibility of the proposed compensatory tree plantings on UUGL; and
 - requested AECOM to consolidate and provide the comments from relevant departments/parties for their reference.
- AECOM then made the 2nd submission of the *Revised Tree Preservation and Removal Application (Rev. 3)* via a letter dated 23 May 2019 (**Annex H**) to seek both DLO/TP and DLO/N’s approval. DLO/TP’s reply letter dated 20 June 2019 (**Annex I**) state that:-
 - They raised “**strong objection**” to para. 5.1.3 and 5.1.5 of the submitted report (extract at **Annex J**). For information, para. 5.1.3

included a proposal for DLO/N to take up the maintenance of compensated trees on UUGL, whereas para. 5.1.5 reiterated the conclusion reached at the liaison meeting held on 1 Nov 2018 that DLO/N would take up the vegetation on UUGL for *ad hoc* maintenance;

- expressed that DLO/TP would not take up the maintenance responsibility of the trees/vegetation on the UUGL upon completion of the subject project; and
- expressed that DLO/TP would not take up the maintenance responsibility of any compensated trees or transplanted trees.

- During the circulation of the proposed usage of the area underneath the bridges to address Ta Kwu Ling Rural Committee's request in early 2019, DLO/N stated that (**Annex K**) "(email dated 30.4.2019) *LandsD would only take up ad hoc maintenance of the trees/vegetation which were located in the remote areas not accessible by the public. For those trees which are proposed to be planted in the areas near/ adjoining to the access road (even the area is fenced up), LandsD will not take up the trees for ad hoc maintenance because they do not fall within the above requirement.*"
- In summary, both DLO/TP and DLO/N have declined to take up the *ad hoc* maintenance responsibility for the vegetation to be provided under LT/HYW BCP Project on UUGL, contrary to Notes (iii) of Appendix A of DEVB TC(W) No. 6/2015.

3. Species of the Vegetation Concerned

- AECOM, as CEDD's consultants, advised that all vegetation proposed to be planted on the UUGL are common, tough and drought tolerant as natural vegetation which requires no regular maintenance.

4. CEDD's Recommendation on the Maintenance Party

- As there are no other government departments willing or more suitable than LandsD to be the maintenance party under DEVB TC(W) No. 6/2015, CEDD recommends DLO/TP and DLO/N to take up the *ad hoc* maintenance responsibility of the vegetation on the UUGLs in accordance with DEVB TC(W) No. 6/2015.
- CEDD will fence off the vegetation on UUGL to avoid direct access of public and is willing to implement other reasonable measures as requested by LandsD to ease their concern.

North Division (1)
North Development Office
Civil Engineering and Development Department
June 2019



地政總署
北區地政處
DISTRICT LANDS OFFICE, NORTH
LANDS DEPARTMENT

電話 Tel: 2675 1858
圖文傳真 Fax: 2675 9224
電郵地址 Email: lensd1@landsd.gov.hk
本署檔號 Our Ref: (25) in L/M(14) in DLON 2/61/06
來函檔號 Your Ref: PWKL:cfwl:60212563/C6/C55/200-2018012373W

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3 PIK FUNG ROAD, FANLING, NEW TERRITORIES

網址 Web Site: www.landsd.gov.hk

覆函請註明本署檔號

Please quote Our Reference in response to this

By Fax (3922 9797) Only

17 September 2019

AECOM Asia Co. Ltd.
8/F, Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, N.T.
(Attn.: Ms. Pat LAM)

Dear Ms. LAM,

Agreement No. CE 38/2010(CE)

**Liantang / Heung Yuen Wai Boundary Control Point and Associated Works
(Site Formation and Infrastructures) – Design and Construction**

Contract No. CV/2013/08

**Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6**

Soft Landscape Works Proposal and Demarcation of Maintenance Responsibility

I refer to your letter dated 10.12.2018 regarding the subject matters.

2. Please be informed that a meeting among Development Bureau, LandsD, CEDD and AECOM held on 16.7.2019 discussed the vegetation issues including the management and maintenance matters on unleased and unallocated Government land ("UUGL") under the subject project. Please take heed of the discussion of the aforesaid meeting and revise the Soft Landscape Works Proposal and Demarcation of Maintenance Responsibility accordingly.

3. Should you have further enquiry, please contact the undersigned at 2675 1858.

Yours faithfully,

(MAK Wing-ho)
for District Lands Officer, North

c.c.
PM(N), CEDD

(Fax: 3547 1659)

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17/09/2019 17:07

No.: R155 L1

P.001/001

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works

Notes of Meeting for Vegetation Issues on UUGL under LT/HYW BCP Project

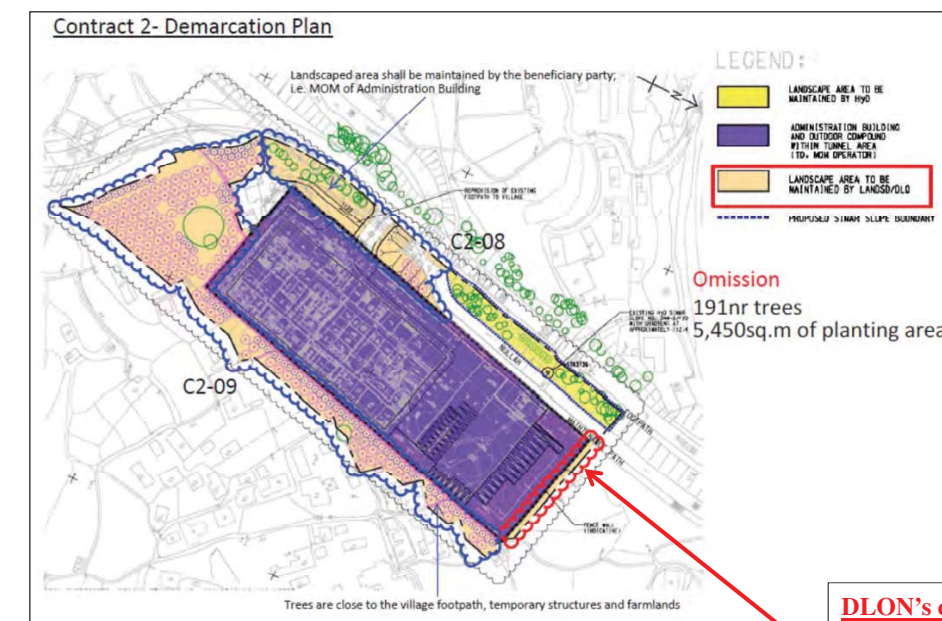
Date:	16 July 2019 (Tuesday)				
Time:	15:30-18:15				
Venue:	2/F Conference Room of C6 Office				
Present:	Ms. Florence Ko	Head of TMO	]	Tree Management Office,	
	Mr. Edmond Lam	AS(TreeMgt)1	]	Development Bureau	
			]	(hereinafter called "TMO")	
	Ms. Catherine Pang	DLO, DLO/N	]	Lands Department	
	Mr. K F Lee	CLE/P, DLO/N	]	(hereinafter called "LandsD")	
	Ms. Fanny Huang	SLE/SD, DLO/N]		
	Mr. S L Chan	SLE/P1, DLO/TP]		
	Ms. Catherine Ho	LE/P3, DLO/TP]		
	Mr. Jason Chan	SES/M1, EMS]		
	Mr. Dennis Tam	SLE/TF16, SDTF]		
	Mr. Joe Yip	CE/N(SD1)	]	North Development Office,	
	Mr. P Y Lu	SE/1(N)	]	CEDD	
	Mr. Steve Lo	SE/3(N)	]	(hereinafter called "CEDD")	
	Ms. Carol Leung	Senior Landscape Architect	]	AECOM Asia Co. Ltd.	
	Mr. Julian Ling	Senior Resident Engineer	]	(hereinafter called "AECOM")	
	Mr. Clement Wong	Field Officer I]		

Item	Discussion	Action
1.0	<u>Introduction</u>	
1.1	AECOM introduced the current site conditions and classified the Unleased and Unallocated Government Land (UUGL) into four categories:- a) The land between SIMAR slopes and site boundary, where is inaccessible; b) The land where is remote and without proper access(including vehicular and pedestrian access); c) The land where is in close proximity of village environment, adjoining local roads and/or village paths; d) The land where is under viaduct structures.	Noted
1.2	AECOM further explained that all of the lands within LT project site boundary were UUGL, before taken over by CEDD for construction works.	Noted
2.0	<u>LandsD's comments on AECOM's Maintenance Demarcation Plan for Landscape Works</u>	
2.1	LandsD expressed that their main departmental purview was related to land management. According to Development Bureau Technical Circular (Works) No. 6/2015, LandsD was required to carry out ad-hoc maintenance when a requirement was identified and/or a complaint was received for natural vegetation on UUGL not maintained by other departments. If there were any trees proposed to be planted	Noted

Item	Discussion	Action
2.2	on land which would become UUGL upon completion of public project, the project proponent should identify suitable maintenance department for vegetation on UUGL at an early stage. LandsD would not take up future tree maintenance for this kind of vegetation. LandsD further interpreted the meaning of “ad hoc maintenance” to be executed by LandsD in accordance with <i>Notes (iii), Appendix A of DEVB TC(W) No. 6/2015</i> . LandsD requested and CEDD agreed that the vegetation on UUGL should be well-established upon handing back the land to LandsD.	Noted
2.3	AECOM presented in details regarding all vegetation on UUGL to be handed back to LandsD. Having reviewed the site condition in details, LandsD agreed to take up the vegetated UUGLs under the following categories:- a) Remote/restricted areas without proper access for public; b) Trees located beyond 10m from kerb of public roads and to be surrounded by chain link fence of 1.8m ht; and c) The land where only with hydroseeding without trees, where maintenance department could not be identified.	Noted
2.4	LandsD had reservation to take up the vegetation under the following categories:- a. Vegetation within 10m measured from kerb of public roads, which should be maintained by LCSD instead of LandsD (<i>item 3(l), Appendix A of DEVB TC(W) No. 6/2015</i> refers) b. Vegetation along footpaths within village environment and local access roads, which should be maintained by HAD instead of LandsD (<i>item 3(j), Appendix A of DEVB TC(W) No. 6/2015</i> refers); c. Vegetation adjoining DSD’s maintenance path or on drainage reserve, which should be maintained by DSD instead of LandsD (<i>item 3(h), Appendix A of DEVB TC(W) No. 6/2015</i> refers); d. Landscaped area near Administration Building, which should be maintained by the beneficiary party instead of LandsD; e. Common area within Village Resite Areas, which should be maintained by ArchSD instead of LandsD (<i>item 5(a), Appendix A of DEVB TC(W) No. 3/2019</i> refers) f. Trees and vegetation within Village Resite Areas, which should be maintained by LCSD instead of LandsD (<i>item 6, Appendix A of DEVB TC(W) No. 3/2019</i> refers)	Noted
2.5	Details of the resolved (clouded in “red”) and unresolved (clouded in “blue”) vegetation on UUGLs are shown in Appendix A .	AECOM
2.6	AECOM agreed to provide the details of chain link fencing, for LandsD’s further review.	CEDD/ AECOM
2.7	In view of the above, CEDD/AECOM would review and liaise with the appropriate departments to maintain the unresolved vegetation on UUGL.	
3.0	A.O.B.	
3.1	Separate meetings with relevant parties would be arranged to resolve the outstanding maintenance issues as given in paragraph 2.4 above. TMO would render necessary assistance on the unresolved maintenance matters as and when necessary.	Noted
4.0	Attachment: Appendix A (25 pages in A3 size)	

End

(Ref.: Sketch No. CV/2012/08/R10/120/1379 Rev. C)

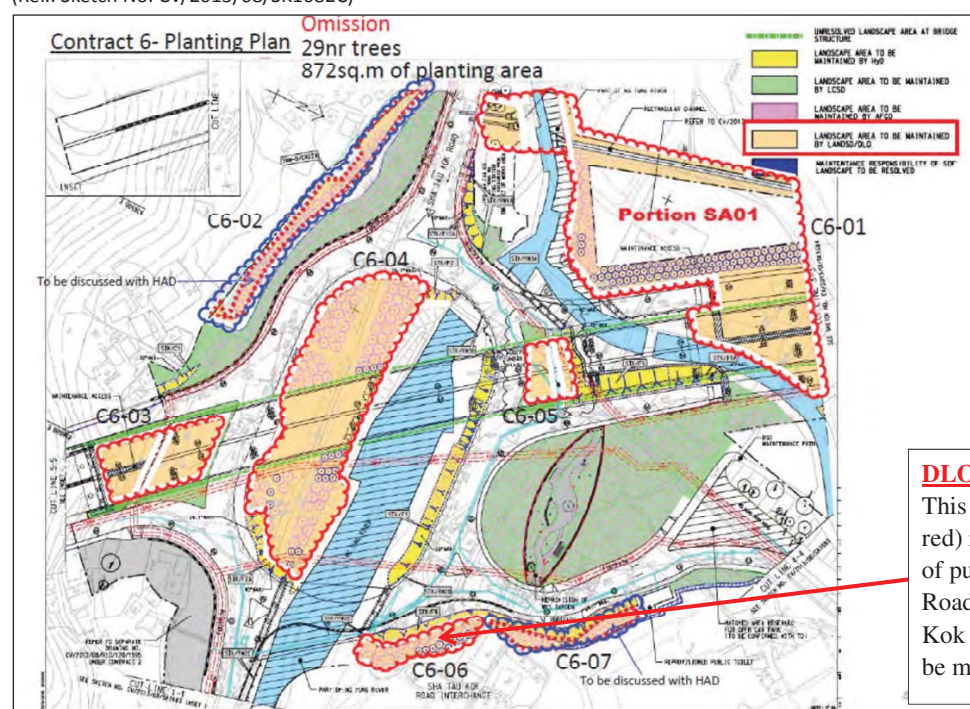


DLON's comment:

This landscaped area (i.e. clouded in red) should also be maintained by the beneficiary party (i.e. MOM of Administration Building).

Corr 2B
(Page 5 of 8)

(Ref.: Sketch No. CV/2013/08/SK1682C)

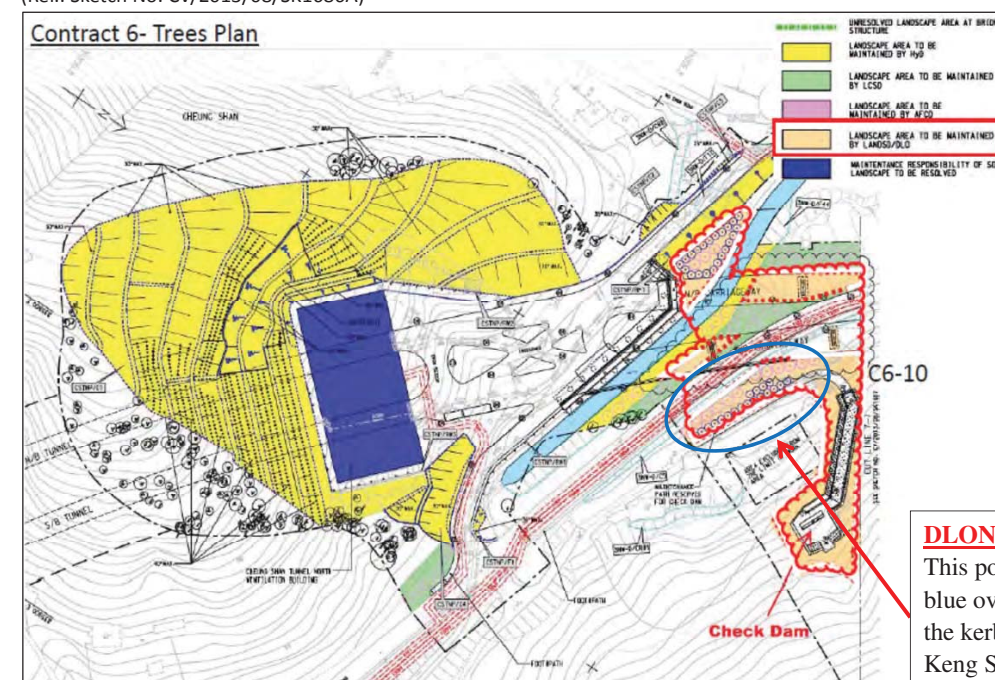


DLON's comment:

This landscaped area (i.e. clouded in red) is located within 10m from the kerb of public roads (namely Wo Keng Shan Road and the roundabout of Sha Tau Kok Road). The proposed trees should be maintained by LCSD

Corr 2B
(Page 6 of 8)

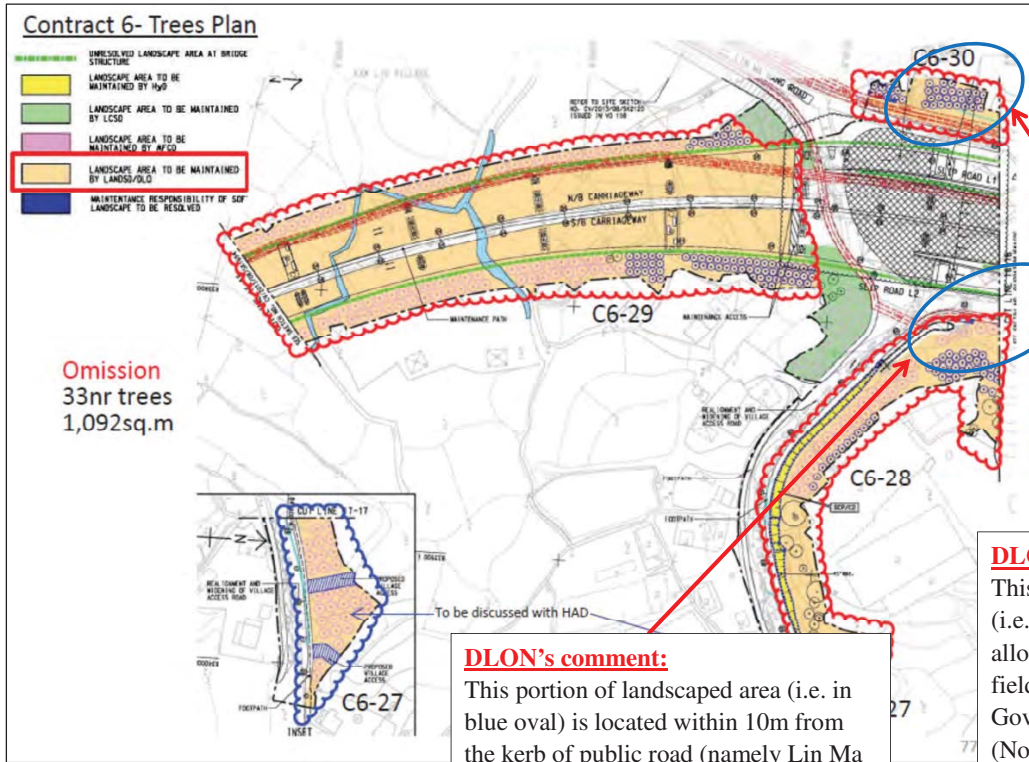
(Ref.: Sketch No. CV/2013/08/SK1686A)



DLON's comment:

This portion of landscaped area (i.e. in blue oval) is located within 10m from the kerb of public road (namely Wo Keng Shan Road). The proposed trees should be maintained by LCSD

(Ref.: Sketch No. CV/2013/08/SK1695A)

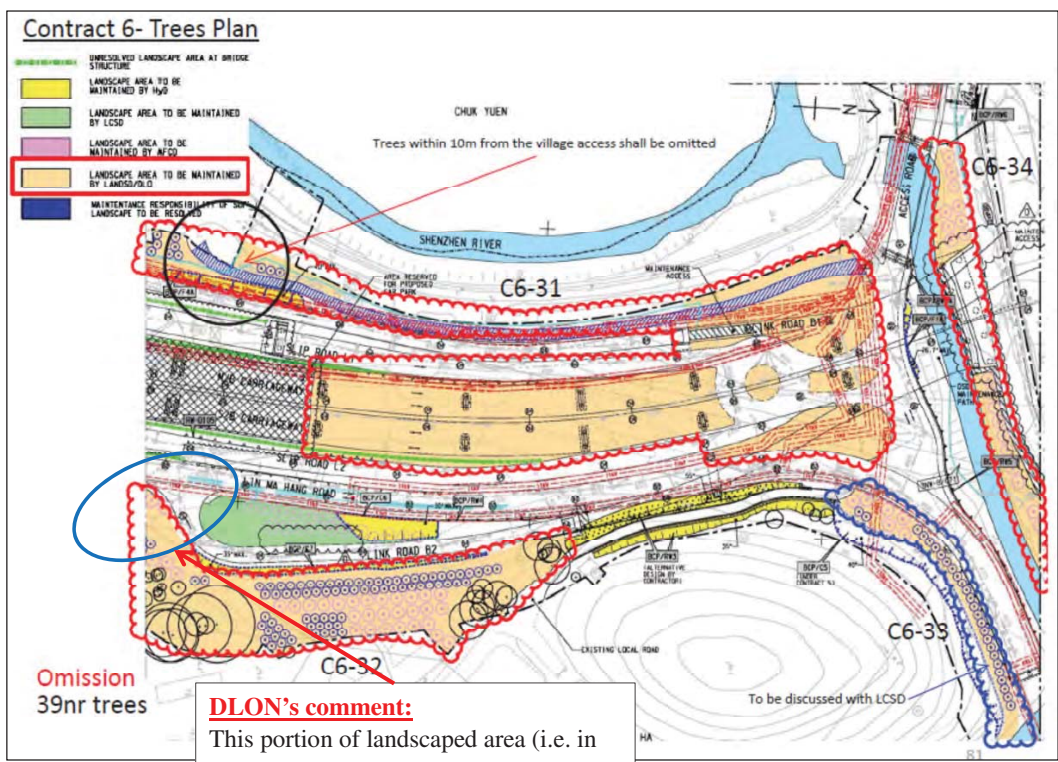


Corr 2B
(Page 7 of 8)

DLON's comment:
This portion of landscaped area (i.e. in blue oval) is located within 10m from the kerb of public road (namely Lin Ma Hang Road). The proposed trees should be maintained by LCSD

DLON's comment:
This portion of landscaped area (i.e. in blue oval) has been allocated to DSD for leaching field & septic tank under a Government Land Allocation (No. DN323). Please liaise with DSD to sort out the tree planting and the concerned management and maintenance issues.

(Ref.: Sketch No. CV/2013/08/SK1696A)



Corr 2B
(Page 8 of 8)

DLON's comment:
This portion of landscaped area (i.e. in blue oval) is located within 10m from kerb of public road (namely Lin Ma Hang Road). The proposed trees should be maintained by LCSD

PAK Chau Kin, Patrick

From: PAK Chau Kin, Patrick
Sent: 2019年12月17日 星期二 14:58
To: 'sc_chan@wsd.gov.hk'
Cc: che_hong_hui@wsd.gov.hk; chi_kit_wong@wsd.gov.hk; WONG Wing Kin, Gilbert; hn_wong@wsd.gov.hk; 'kin_ping_hui@wsd.gov.hk'; 'pylu@cedd.gov.hk'; antonia_dc_wong@wsd.gov.hk
Subject: RE: FW: Proposed New Ramp at Tau Pass near Pier AC2 and Additional Works near Tau Pass Intake
Attachments: SK2289.pdf; SK2288.pdf

Dear Season,

As per our discussion, I record that WSD has confirmed that the provision of 150mm thick pavement without kerb is necessary for WSD's operational use and attach herewith the revised drawings for your record purposes. Thanks.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

From: sc_chan@wsd.gov.hk [mailto:sc_chan@wsd.gov.hk]
Sent: Monday, December 09, 2019 2:42 PM
To: PAK Chau Kin, Patrick
Cc: che_hong_hui@wsd.gov.hk; chi_kit_wong@wsd.gov.hk; WONG Wing Kin, Gilbert; hn_wong@wsd.gov.hk; 'kin_ping_hui@wsd.gov.hk'; 'pylu@cedd.gov.hk'; antonia_dc_wong@wsd.gov.hk
Subject: RE: FW: Proposed New Ramp at Tau Pass near Pier AC2 and Additional Works near Tau Pass Intake

Dear Patrick,

Attached please find our comments. The concrete pavement should be constructed according to WSD's standard drawing (https://www.wsd.gov.hk/filemanager/en/content_1601/WSD0501-B.pdf)

Regards,
Season Chan
E/NTE(HW1)
Water Supplies Department
Tel: 2152 5610

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
To: "sc_chan@wsd.gov.hk" <sc_chan@wsd.gov.hk>
Cc: "che_hong_hui@wsd.gov.hk" <che_hong_hui@wsd.gov.hk>, "chi_kit_wong@wsd.gov.hk" <chi_kit_wong@wsd.gov.hk>, "kin_ping_hui@wsd.gov.hk" <kin_ping_hui@wsd.gov.hk>, "hn_wong@wsd.gov.hk" <hn_wong@wsd.gov.hk>, "pylu@cedd.gov.hk" <pylu@cedd.gov.hk>, "WONG Wing Kin, Gilbert" <gilbert.wong@lt-aecom.com>

Date: 04-12-2019 17:02
Subject: RE: FW: Proposed New Ramp at Tau Pass near Pier AC2 and Additional Works near Tau Pass Intake

Dear Season,

As spoken, please confirm whether the additional 200mm thick concrete pavement as highlighted in yellow on the attached layout plans is necessary for WSD's operational use and complies with WSD's standard. Your early response will be appreciated. Many Thanks.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

From: sc_chan@wsd.gov.hk [mailto:sc_chan@wsd.gov.hk]
Sent: Thursday, November 21, 2019 12:35 PM
To: PAK Chau Kin, Patrick
Cc: che_hong_hui@wsd.gov.hk; chi_kit_wong@wsd.gov.hk; 'kin_ping_hui@wsd.gov.hk'; hn_wong@wsd.gov.hk
Subject: Re: FW: Proposed New Ramp at Tau Pass near Pier AC2 and Additional Works near Tau Pass Intake

Dear Patrick,

Thanks for your email. NTE/HW1 has no comment on the design of ramp and access road.

However, we note that one side gate on the fencing of Tau Pass intake, which is used for HyD's inspection, is missing on the drawing. Moreover, a part of fence off area is not the same as our recommendation around Tau Pass Intake. Attached please find the revised plan for agreement.

Regards,
Season Chan
E/NTE(HW1)
Water Supplies Department
Tel: 2152 5610

From: HN WONG/WSD/HKSARG
To: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
Cc: "che_hong_hui@wsd.gov.hk" <che_hong_hui@wsd.gov.hk>, "chi_kit_wong@wsd.gov.hk" <chi_kit_wong@wsd.gov.hk>, "kin_ping_hui@wsd.gov.hk" <kin_ping_hui@wsd.gov.hk>, "sc_chan@wsd.gov.hk" <sc_chan@wsd.gov.hk>
Date: 21-11-2019 11:14
Subject: Re: FW: Proposed New Ramp at Tau Pass near Pier AC2 and Additional Works near Tau Pass Intake

Dear Patrick,

HW4 agree the suggested arrangements.

Regards,

HN Wong
E/NTE(HW4), WSD
Tel: 2152 5604

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecon.com>
To: "hn_wong@wsd.gov.hk" <hn_wong@wsd.gov.hk>, "sc_chan@wsd.gov.hk" <sc_chan@wsd.gov.hk>
Cc: "che_hong_hui@wsd.gov.hk" <che_hong_hui@wsd.gov.hk>, "kin_ping_hui@wsd.gov.hk" <kin_ping_hui@wsd.gov.hk>, "chi_kit_wong@wsd.gov.hk" <chi_kit_wong@wsd.gov.hk>
Date: 20-11-2019 17:07
Subject: FW: Proposed New Ramp at Tau Pass near Pier AC2 and Additional Works near Tau Pass Intake

Dear Mr. Wong and Mr. Chan,

As per handover inspection on 11 Nov 2019, WSD requested that a 800mm – 1000mm concrete ramp with staircase to be constructed in between the Pier AB1. We have set out the ramp as per our discussion on site (attached photos refers) and the gradient of ramp is measured to be 1:6. Please find attached the proposed section and grateful if you could confirm whether the gradient and section is acceptable. Furthermore, two concrete staircases and a sign showing head room of 4.0m (TS196) will be installed on viaduct structure as per attached marked up SK2239B and SK2240A.

In addition, as per our joint meeting with DLO and WSD(HW) on 30 October 2019, WSD requested additional access gate near DSD pumping station, 200 thick pavement, fencing and gates around Tau Pass culvert, relocation of staircase at the slope above Tau Pass Intake, rising the covers of existing chambers V7101, V7102, V7209 and V7210 by 300mm above finished ground. The extent and location of works are also indicated on SK2239B and SK2240A. The additional works was agreed be managed and maintained by WSD and a formal meeting minutes will be issued in due course to record the said meeting. However, due to tight construction programme, I should be most grateful if WSD could agree the arrangement shown on the attached marked up SK2239B and SK2240A, in particular the details of 200mm thick concrete pavement (shown in Section A-A on SK2239B), such that we could further seeks clients' approval for the works. Many Thanks.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

From: LEUNG Ping Tat, Eric
Sent: Wednesday, November 20, 2019 9:57 AM
To: PAK Chau Kin, Patrick
Cc: MO Ki Long
Subject: FW: Proposed New Ramp at Tau Pass near Pier AC2

Dear Patrick,

Please note below our findings about the proposed concrete ramp near AB2

Regards,

Eric Leung
SSO(E)

Tel No.: 21713456 Ext.456
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.

From: TAM Wing Kiu
Sent: Wednesday, November 20, 2019 9:51 AM
To: LEUNG Ping Tat, Eric
Subject: Proposed New Ramp at Tau Pass near Pier AC2

Dear Eric Sir,

Please find the photos as per attached. The gradient of the setting out line is about 1:6 for your reference.

Regards,

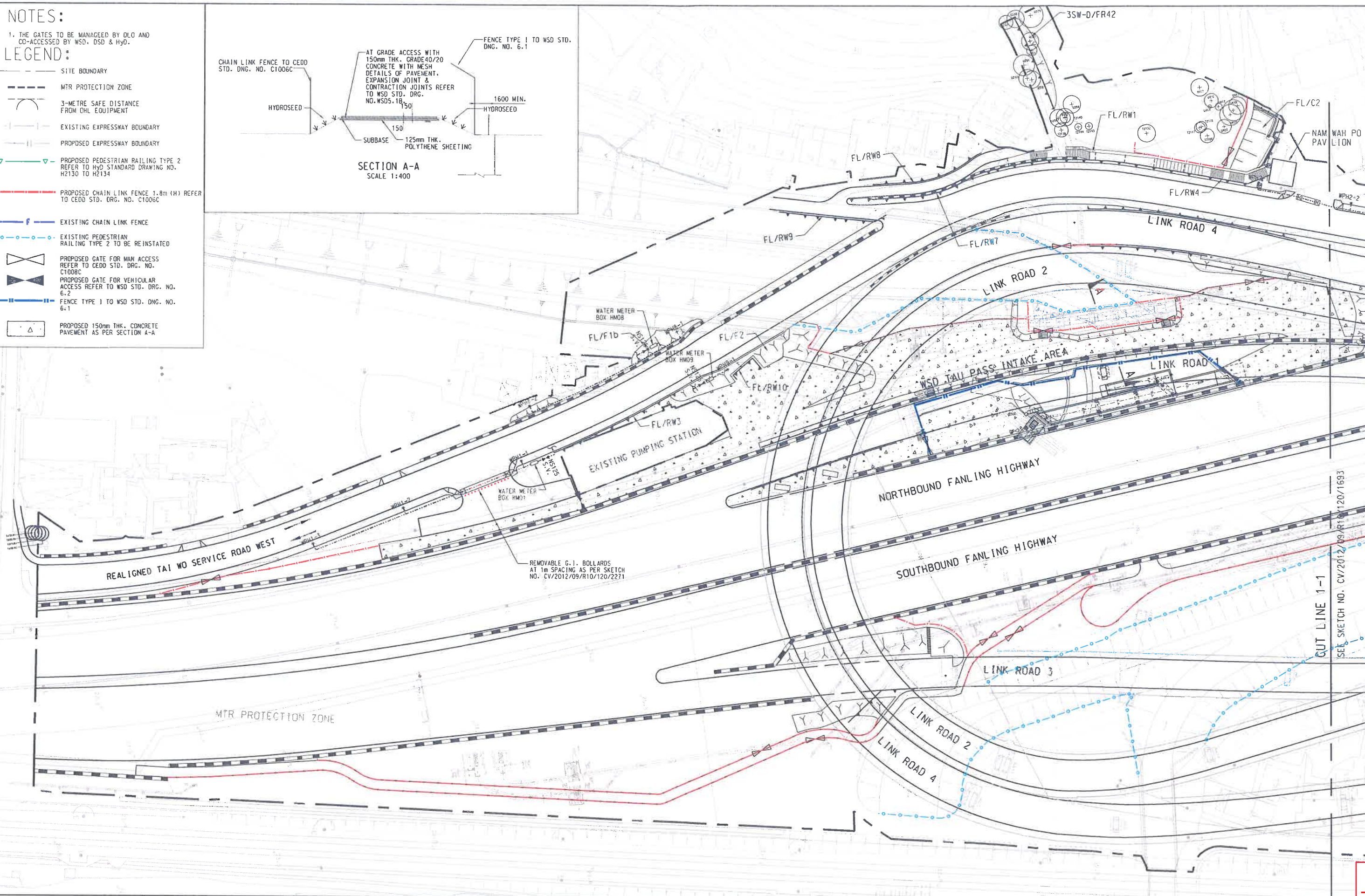
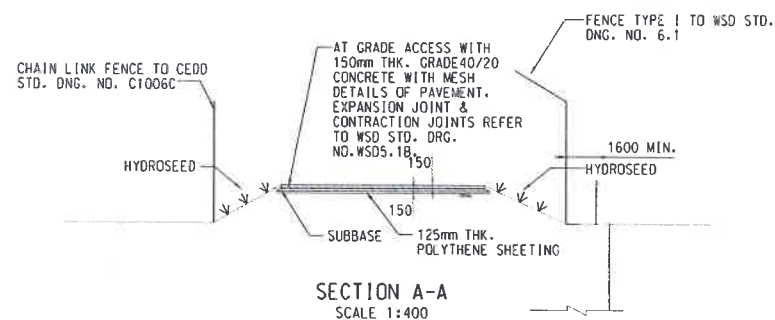
Kiu[附件檔 "Photo (1).jpg" 已被 HN WONG/WSD/HKSARG 刪除] [附件檔 "Photo (2).jpg" 已被 HN WONG/WSD/HKSARG 刪除] [附件檔 "Photo (3).jpg" 已被 HN WONG/WSD/HKSARG 刪除] [附件檔 "SK2239B (4).pdf" 已被 HN WONG/WSD/HKSARG 刪除] [附件檔 "SK2240_A.PDF" 已被 HN WONG/WSD/HKSARG 刪除] [附件檔 "Section B-B of proposed ramp for tau pass intake.pdf" 已被 HN WONG/WSD/HKSARG 刪除] [附件檔 "SK2239B (4) Revised by NTE_HW1.pdf" 已被 SC CHAN/WSD/HKSARG 刪除] [附件檔 "SK2240_A.PDF" 已被 SC CHAN/WSD/HKSARG 刪除]

NOTES:

1. THE GATES TO BE MANAGED BY DLO AND CO-ACCESSED BY WSD, DSD & HYD.

LEGEND:

- SITE BOUNDARY
- MTR PROTECTION ZONE
- 3-METRE SAFE DISTANCE FROM OHL EQUIPMENT
- EXISTING EXPRESSWAY BOUNDARY
- PROPOSED EXPRESSWAY BOUNDARY
- PROPOSED PEDESTRIAN RAILING TYPE 2 REFER TO HYD STANDARD DRAWING NO. H2130 TO H2134
- PROPOSED CHAIN LINK FENCE 1.8m (H) REFER TO CEDD STD. DRG. NO. C1006C
- EXISTING CHAIN LINK FENCE
- EXISTING PEDESTRIAN RAILING TYPE 2 TO BE REINSTATED
- PROPOSED GATE FOR MAN ACCESS REFER TO CEDD STD. DRG. NO. C1008C
- PROPOSED GATE FOR VEHICULAR ACCESS REFER TO WSD STD. DRG. NO. 6-2
- FENCE TYPE 1 TO WSD STD. DRG. NO. 6-1
- PROPOSED 150mm THK. CONCRETE PAVEMENT AS PER SECTION A-A



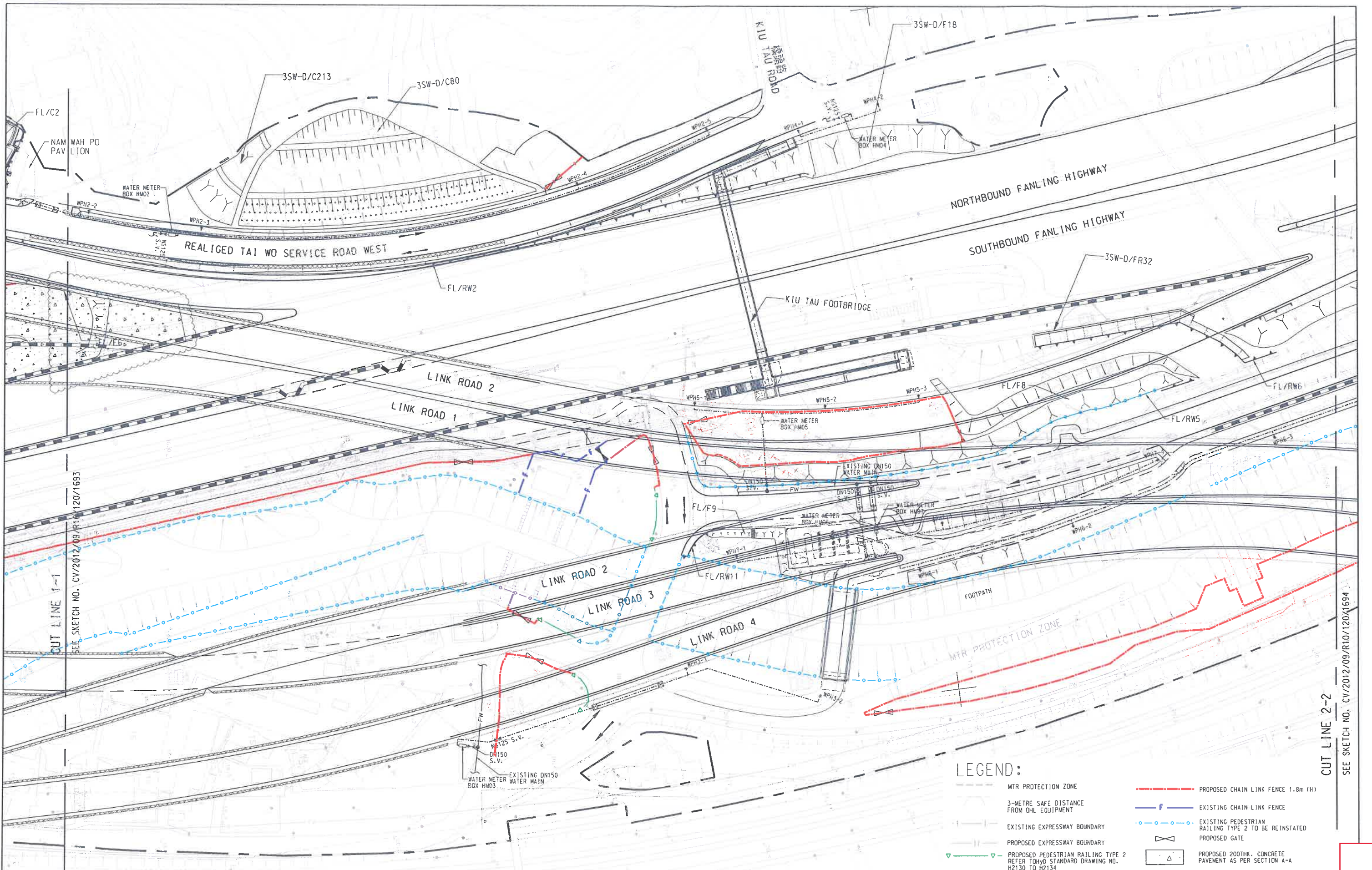
AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

GENERAL LAYOUT FOR CONCRETE ACCESS TO TAU PASS INTAKE

(SHEET 1 OF 3)

SCALE	1:1000 ON A3	DATE	22-NOV-19
CHECKED	PP	DRAWN	DY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2288
DOCUMENT REFERENCE NO.		REV	



AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

GENERAL LAYOUT FOR CONCRETE ACCESS TO TAU PASS INTAKE

(SHEET 2 OF 3)

SCALE	1:1000 ON A3	DATE	22-NOV-19
CHECKED	PP	DRAWN	DY
JOB NO	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2289
DOCUMENT REFERENCE NO.			

From: NG Man Kai
Sent: Tuesday, November 27, 2018 3:02 PM
To: 'ctohsre2.nt@hyd.gov.hk'; miowhsre2.nt@hyd.gov.hk
Cc: alan.lee@lt-aecom.com; PAK Chau Kin, Patrick; CHEUNG Wai Ming, Marco; KWAI MING LAU (lau.kwaiming@chunwo.com); KA KIN LUN (lun.kakin@chunwo.com)
Subject: CV/2012/09 - Handover of Works in Fanling Highway

Dear WK,

I refer to the joint site visit between HyD/HSR, AECOM and Chun Wo on 26 November 2018 and would like to record the following:

1. Boundary fence as per HyD Standard Drawing No. H6120B (instead of China Link Fence as stated in our working drawings) shall be installed in the expressway boundary except the location with noise barriers. We have been requested to replace the existing aging and damaged boundary fence and gates between Tai Wo Service Road West and northbound Fanling Highway. I understand that you may wish us to provide the mesh with plastic coating in the boundary fence and would be grateful if you can furnish us the required details.
2. Road closure in Fanling Highway at night is required during the handing over of road pavement, street furniture and road drainage. The gully gratings and manhole covers shall be opened for your inspection. The surface of concrete profile barrier damaged by vehicles in traffic accidents shall be made good;
3. Concrete pavement (say 75mm thick) is required be constructed in the verge area between Tai Wo Service Road West and northbound Fanling Highway in order to allow the surface runoff to flow either to the u-channel at verge or gullies in Fanling Highway;
4. Road chainage signs are required to be installed along Fanling Highway;
5. Warranty certificates are required for the crush cushions.

Thank you for your attention.

Regards,

M K Ng

Resident Engineer

Contract No. CV/2012/09

Liantang / Heung Yuen Wai Boundary Control Point

Site Formation and Infrastructure Works – Contract 3

AECOM Asia Co. Ltd.

Tel: 21713300 / 63215026

Fax: 21713498

From: pc1cb1.nt@hyd.gov.hk
To: [PAK Chau Kin, Patrick](#)
Cc: [LEE Chun Fai, Alan](#)
Subject: Re: CV/2012/09 - Surface Treatment Near Roundabout
Date: Monday, 06 May, 2019 10:04:35 AM

Dear Patrick,

I have no comment on the proposed area to be concrete paved.

Regards,
Bryan Chong
PC1/CB1
NT Region, HyD
Tel: 3526 0053

From: "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>
To: "pc1cb1.nt@hyd.gov.hk" <pc1cb1.nt@hyd.gov.hk>
Cc: "LEE Chun Fai, Alan" <alan.lee@lt-aecom.com>
Date: 03/05/2019 17:02
Subject: CV/2012/09 - Surface Treatment Near Roundabout

Dear Bryan,

As you may aware, verge/islands exist around the **roundabout A** under the captioned contract. In order to prevent out crops from blocking the sightline of the roundabout, we propose the area highlighted in green to be concrete paved. Grateful if you could accept our proposal at your earliest convenience. Thanks.

Regards,

Patrick Pak

Resident Engineer
Contract No. CV/2012/09
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 3
AECOM Asia Co. Ltd.
Tel: 2171 3335 / 6321 5027

[attachment "SKM_C554e19050316440.pdf" deleted by Yin Fai CHONG/HYD/HKSARG]

From: [WONG Tin Lok, Clement](#)
To: ["sauhanlam@lcsd.gov.hk"](mailto:sauhanlam@lcsd.gov.hk)
Cc: [LEUNG Siu Yin, Carol](#); [NGO Tsz Kei, Twiggy](#); [CHAN Mei Yee, Jean](#); [SZE Siu Ching, Sandy](#); [LAM Wing Ki, Vicky](#); [TAM Tsz Him, Ray](#); [Angel LAU \(angellau@lcsd.gov.hk\)](#)
Subject: RE: Liantang/Heung Yuen Wai Boundary Control Point-Soft Landscape Works Proposal
Date: Tuesday, 16 July, 2019 10:46:06 AM
Attachments: [Revised Tree Planting Plans-to be Maintained by LCSD.pdf](#)

Dear Ms. Lam,

Further to the meeting on 10 July 2019, we were advised to revise the tree planting plans in **Soft Landscape Works Proposal** as follows:-

1. Trees should be rearranged to achieve a coherent landscape design;
2. Trees at Ping Yeung Interchange should be omitted;
3. Trees adjacent to the proposed Wo Keng Shan Road Garden had been planted. The planting design would remain unchanged.
4. Due to the late stage of Construction Period of Contract 2 (CV/2012/08), planting design at the planting areas near Huen Kee Garden (i.e. Sketch No. CV/2012/08/R10/120/1981 Rev.B) should remain unchanged to avoid substantial claims from the Contractor.

A set of the revised tree planting plans are attached for your perusal. Planting areas with trees to be maintained by LCSD are clouded in green for your easy reference. Formal re-submission of **Soft Landscape Works Proposal** will be made upon your acceptance. Should you require further information, please feel free to call our SLA Ms. Carol Leung at 2171 3405 or FOI Mr. Clement Wong at 2171 3437/6321 5051.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Monday, July 15, 2019 4:25 PM
To: 'sauhanlam@lcsd.gov.hk'
Cc: LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; Chan Mei Yee, Jean; SZE Siu Ching, Sandy (sandy.sze@lt-aecon.com); LAM Wing Ki, Vicky; TAM Tsz Him, Ray; Angel LAU (angellau@lcsd.gov.hk)
Subject: Liantang/Heung Yuen Wai Boundary Control Point-TPRP (Rev.3)

Dear Ms. Lam,

Thank you for your reply to our **Soft Landscape Works Proposal**. In the letter, LCSD had no further comments on the updated number of replacement planting for the Revised TPRP (Rev.3). We greatly appreciate your separate reply to our **TPRP (Rev.3)** (ref. PWKL:cfwl:60212563/C6/C55/200-2018003560W dated 28 December 2018) to facilitate the approval from LandsD.

Meanwhile, the revised tree planting plans are under preparation and they will be submitted for your review shortly.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

LEE Pui Shan

From: Sau Han LAM <sauehanlam@lcsd.gov.hk>
Sent: Tuesday, 5 May 2020 4:10 PM
To: WONG Tin Lok, Clement
Cc: Lam Shu, Albert; Angel LAU (angellau@lcsd.gov.hk); 'asung@lcsd.gov.hk'; LEUNG Siu Yin, Carol; YUE Chung Man, Louis; mkyim@cedd.gov.hk; TAM Tsz Him, Ray; SZE Siu Ching, Sandy; Lo Chi Fai, Steve; NGO Tsz Kei, Twigg; LAM Wing Ki, Vicky; WONG Wai Ting, Wen; Chui Ping TANG; YW CHEUK; Jacky KL CHAN
Subject: RE: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads
Attachments: Tree Planting Plans.pdf

Dear Clement,

I refer to your email below.

We have no additional comments on your notes of meeting as enclosed at your email dated 29.4.2020. LCSD agreed to take up maintenance of 73 trees in addition to 555 trees previously agreed (Para. 1(a)) and disagreed to take up maintenance of 32 trees without proper access to the trees and within the tunnel area (Para. 1(b)).

Please confirm whether you would be available to conduct joint site inspection on the newly planted trees with details below :

Date : 14.5.2020 (Thu)

Time : 10 a.m.

Gathering Point : To be confirmed

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

From: "WONG Tin Lok, Clement" <clement.wong@it-aecom.com>
To: "Sau Han LAM" <sauehanlam@lcsd.gov.hk>
Cc: "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>; "asung@lcsd.gov.hk"; "LEUNG Siu Yin, Carol" <carol.leung@it-aecom.com>; "YUE Chung Man, Louis" <louis.yue@it-aecom.com>; "TAM Tsz Him, Ray" <ray.tam@it-aecom.com>; "SZE Siu Ching, Sandy" <sandy.sze@it-aecom.com>; "NGO Tsz Kei, Twigg" <twigg.ngo@it-aecom.com>; "LAM Wing Ki, Vicky" <vicky.lam@it-aecom.com>; "WONG Wai Ting, Wen" <wen.wong@it-aecom.com>; "Lo Chi Fai, Steve" <stevelo@cedd.gov.hk>; "Lam Shu, Albert" <albertlam@cedd.gov.hk>; "mkyim@cedd.gov.hk" <mkyim@cedd.gov.hk>
Date: 29/04/2020 09:20
Subject: RE: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads

Dear Ms. Lam,

Thank you for joining the site inspection among LCSD, CEDD and AECOM on 27 April 2020. The following salient points were recorded:-

1. Maintenance responsibility of trees

a) LCSD agreed to maintain 73nr new trees, in addition to those previously agreed (i.e. 555nrs), which were distributed in:

Works Area	Drawing no.	Qty. of new trees (nr)
Ping Yeung Interchange (PYI)	SK1570	17
Lin Ma Hang Road (LMHR)-near Chuk Yuen Village	SK1574	15
Lin Ma Hang Road (LMHR)-near Link Road B2	SK1575	41
Total:		73

Therefore, a total of 628nr (73+555) new trees under Contract 6 (Contract No. CV/2013/08) have been agreed to be maintained by LCSD.

b) LCSD declined to maintain a total of 32nr new trees, which were distributed in:

Works Area	Drawing no.	Qty. of new trees (nr)	Justification
Wo Keng Shan Road-near Bridge B	SK1565	9	The trees do not adjoin the public road (Wo Keng Shan Road) but they are separated by a HyD slope no. 3NW-D/CS
Ping Yeung Interchange (PYI)	SK1570	6	The trees are bounded by a road within the 'Tunnel Area' and a footpath maintained by HAD; which are <u>not</u> a public road as defined in TCW No. 6/2015
Lin Ma Hang Road (LMHR)-near Tsung Yuen Ha	SK1575	17	Level difference and lack of proper access make it unfeasible for maintenance
Total:		32	

A full set of tree planting plans is attached for your reference. Please note that trees agreed to be maintained by LCSD are highlighted in green and trees inspected on 27 April 2020 are clouded in red.

2. Pre-handover inspection for commencement of establishment works

a) It was agreed that the newly planted trees would be inspected by works areas. Please find the proposed schedule below:

Works Area	Drawing no.	Qty. of new trees (nr)	Tentative Inspection Date
Sha Tau Kok Interchange (STKI)	SK1561	210	Early May 2020
Bridge B	SK1565-1566	67	Late May 2020
Ping Yeung Interchange (PYI)	SK1570	202	Mid-May 2020
Lin Ma Hang Road (LMHR)	SK1574-1575 & 2120	154	Late May 2020
Site Office	SK3379	16	October 2021 (by Term Contractor of CEDD)
Off-site Tree Planting in LCSD Venues	SK3387-3393, 3396, 3447-3453 & 3530 (not attached in this email)	141	Late May 2020
Total:		790	

The establishment period at each works area shall commence upon LCSD's satisfaction of the trees.

We look forward to hearing from you to confirm the aforesaid agreements.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Sau Han LAM [mailto:sauehanlam@lcsd.gov.hk]
Sent: Thursday, April 23, 2020 5:11 PM
To: WONG Tin Lok, Clement
Cc: Angel LAU (angellau@lcsd.gov.hk); 'asung@lcsd.gov.hk'; LEUNG Siu Yin, Carol; YUE Chung Man, Louis; TAM Tsz Him, Ray; SZE Siu Ching, Sandy; NGO Tsz Kei, Twigg; LAM Wing Ki, Vicky; WONG Wai Ting, Wen
Subject: Re: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads

Dear Clement,

I refer to your email below.

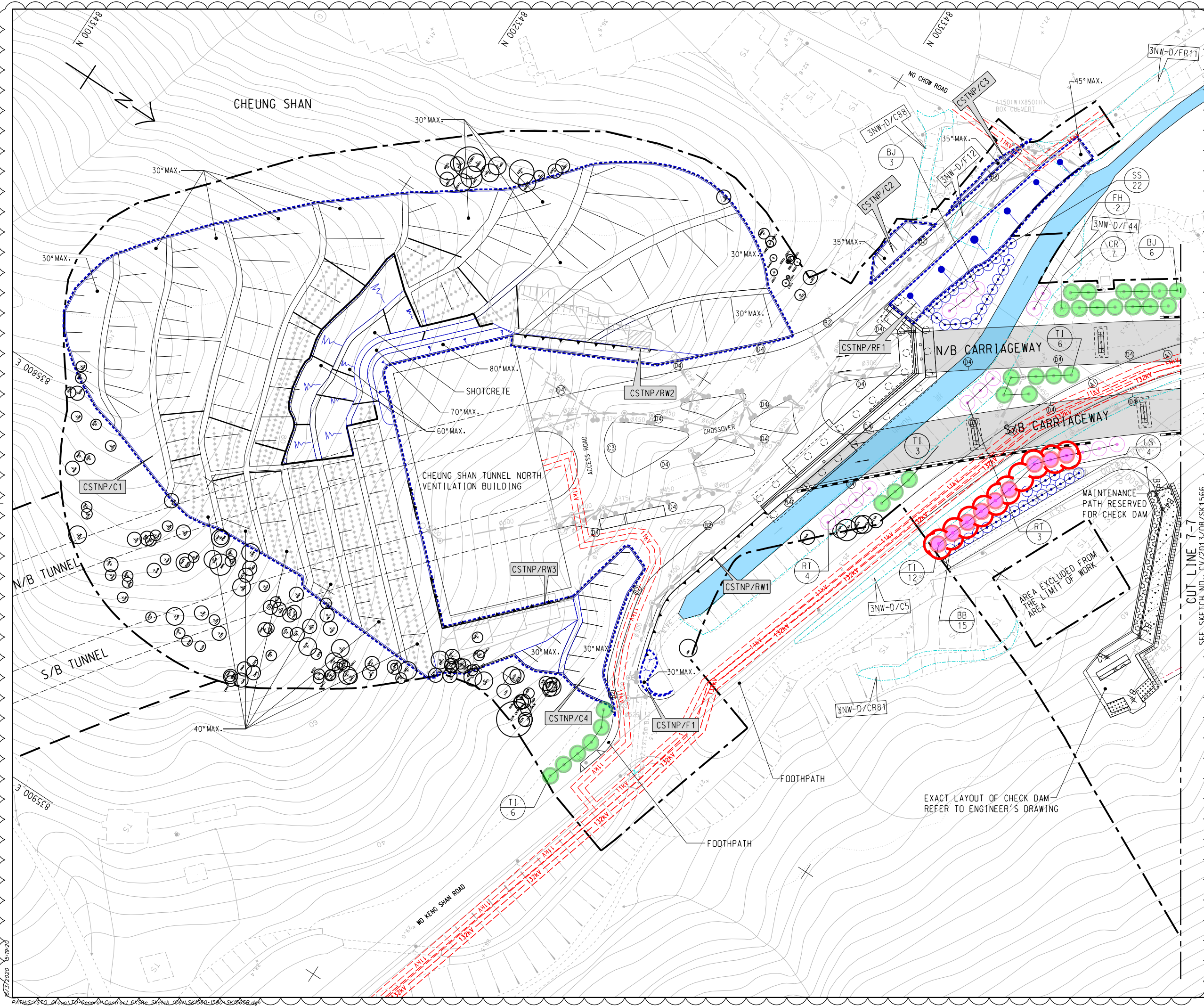
I would like to conduct joint site inspection with you on April 27 of the trees concerned after our site visit at Lin Ma Hang.

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

From: "WONG Tin Lok, Clement" <clement.wong@it-aecom.com>
To: "sauehanlam@lcsd.gov.hk" <sauehanlam@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@it-aecom.com>; "NGO Tsz Kei, Twigg" <twigg.ngo@it-aecom.com>; "LAM Wing Ki, Vicky" <vicky.lam@it-aecom.com>; "YUE Chung Man, Louis" <louis.yue@it-aecom.com>; "WONG Wai Ting, Wen" <wen.wong@it-aecom.com>; "SZE Siu Ching, Sandy" <sandy.sze@it-aecom.com>; "TAM Tsz Him, Ray" <ray.tam@it-aecom.com>; "asung@lcsd.gov.hk" <asung@lcsd.gov.hk>; "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>
Date: 22/04/2020 16:22
Subject: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads



Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6

Minutes of Meeting for Requests for Provision of Access and Setback the Proposed Chain-Link Fence under STLA No.: GLA-TDN 2136

Date:	13 May 2020				
Time:	2:30p.m.				
Venu	Main Conference Room at Wo Keng Shan C6 site office				
Present:	Mr. Raymond TAM	LO i/c (TKL)	]	HAD	(hereinafter called
	Ms. Jadice Lau	LO(TKL)	]	"HAD")	
	Mr. Keith Yim	E/6(N)	]	Civil Engineering and	
			]	Development Department	
			]	North Development Office	
			]	(hereinafter called CEDD)	
	Mr. Gilbert Wong	SRE	]	AECOM Asia Co. Ltd.	
	Ms. Carol Leung	SLA	]	(hereinafter called "AECOM")	
	Mr. Clement Wong	FOI]		
	Ms. Sandy Sze	FOII]		
	Ms. Alice Chan	RCO(PR)]		

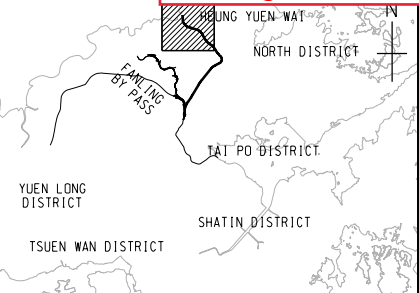
ITEM	DESCRIPTION	ACTION
1.0	<u>Purpose of the Meeting</u>	
1.1	<p>AECOM received requests from villagers at Lin Ma Hang and Ping Yeung for provision of vehicular/pedestrian accesses connecting to the 6m-wide paved area underneath Heung Yuen Wai Highway. A site meeting amongst DO, AECOM and villagers and another site meeting amongst Ta Kwu Ling Rural Committee (RC), Village Representative, villagers were held on 13 December 2019 and 6 January 2020 respectively for the above requests (Case Nos. 1 to 5 in Annex A). Subsequent to the site meetings, two more similar requests (Case Nos. 8 and 9 in Annex A) were received.</p> <p>On the other hand, two requests from villagers near Ping Yeung Interchange regarding chain-link fence erection and landscape works (Case Nos. 6 and 7 in Annex A) were received by AECOM.</p> <p>Case No. 1 to No. 9 are summarized in Annex A and the respective location is shown in Annex B.</p> <p>The purpose of the meeting is to review the above requests and to coordinate among the departments to facilitate the handling of the</p>	Noted

	requests.	
2.0	Discussions	
2.1	<p>AECOM advised that after the site meeting with RC and villagers on 6 January 2020, AECOM had briefed the Chairlady and Vice Chairmen of RC about the Case Nos. 1 to 5 on 10 January 2020. RC reiterated that they agreed the current construction plan with three pedestrian entrances on the east and west sides of the bridge respectively and not to provide additional access as per the requests.</p> <p>On 14 January 2020, CEDD and HAD had coordinated and concluded via email that HAD would not consider the provision of additional access to the 6m-wide paved area at this stage. In any case, further provision of pedestrian accesses connecting to the 6m wide paved area would only be reviewed and considered by DO/N upon opening of the paved area and at later stage.</p>	Noted
2.2	<p>All cases (Case No. 1 to 9) were reviewed in this meeting, it was concluded that additional access to the 6m-wide paved area would not be provided for Case Nos 1-5, 8 & 9. For Case Nos. 5, 6 and 7, HAD noted the requests, and CEDD/AECOM would follow up the requests with the concerned villager and DLO/N respectively.</p>	CEDD/AECOM
2.3	<p>AECOM pointed out that some villagers reacted aggressively after knowing their requests could not be entertained and stopped the construction works by parking a truck within the works area, etc. In order to complete the remaining works under HYWH project, AECOM advised that the Contractor would take the following actions :</p> <ul style="list-style-type: none"> i) Displaying notice on obstruction to request the concerned party to remove their obstruction placed within the works site within a week; ii) If the Contractor encounters villager(s)' opposition and the works is stopped by the villager(s), police's assistance would be sought; and iii) In worst case, application for an injunction might be the final solution to resolve the problem. <p>HAD noted the above and advised that they would render support and assistance. At the current stage, HAD would keep in view the situation. In case of the situation worsen, they would liaise with RC and villager's representatives, if appropriate, aiming to resolve the problem.</p> <p>CEDD considered that the above cases were sensitive and might cause media/public concerns. In this regard, CEDD requested AECOM to inform HAD and CEDD in advance when initiating the above actions. Appropriate line to take should be formulated and the situation should be closely monitored.</p>	HAD ALL
3	Adjournment The meeting was adjourned at 3:30 p.m.	

個案摘要表

個案/村民	工地	要求事項	2020年5月13日會議結論
個案一 陳建忠	蓮麻坑橋D近橋墩 AP331S DD78 1529 R.P.	由於接獲部分竹園村/坪洋村民要求於竹園村橋D近橋墩AP328S至AP331工地其農田及住處提供行車通道或行人通道以連接六米路，故駐工地工程人員艾奕康與承建商代表和村民2020年1月6日上午10時會面了解訴求。其中一名為農民陳建忠先生，其農田位於橋D柱墩 AP331S對外，他要求提供行車通道並連接六米路。	<p>在香園圍公路橋底的東西兩邊各設置三個行人出入口，接駁現有村路。村民和公眾人士將來可以使用這些出入口，步行往來香園圍公路橋底及附近鄉村。同時，經收集打鼓嶺區鄉事委員會及鄰近鄉村的居民／原居民代表的意見後，不會考慮在該處增設行車路，以保障香園圍公路橋底休憩用地使用者及行人的安全。</p> <p>部份村民在得知他們的要求未能滿足後而做出抗爭的行為，並在工程範圍內停泊一輛貨車來阻止綠化及永久鐵絲網的豎設工作。</p> <p>會上同意，提前於施工前一週於有關地點張貼通告。如果承建商遇到村民的反對並繼續阻礙工程進行，承建商將按照一般的做法要求警方協助。或在最壞的情況下，最終可能申請禁制令。</p> <p>北區民政事務處表示，他們將提供支援和幫助。有需要時，北區民政事務處會聯絡鄉事委員會或村代表等，務求解決有關問題。</p>
個案二 鄭先生	蓮麻坑橋D近橋墩 AP328S DD78 1583 R.P	土木工程拓展署於2019年12月6日接獲竹園村村民鄭先生(代表農田負責人李玉龍先生)，要求提供有關其土地編號DD78/1583 RP的土地前工程的安排。根據他的觀察，他懷疑我們的建造工程將最終阻塞其農田，並隔離他的土地。他要求為其土地提供行車通道並連接六米路。	
個案三 葉金堂	蓮麻坑橋D近橋墩 AP327S DD78 1634R.P.	於承建商工程熱線於2020年1月7日接獲竹園村村民葉太的來電，要求於竹園村橋D近橋墩AP327S土地對出提供行車通道或行人通道以連接六米路，故駐工地工程人員艾奕康代表和葉太於2020年1月8日上午10時會面了解情況。	
個案四 黃笑珍	東風坳近橋D橋墩 AP328S	由於祖墳位於附近的山頭，黃女士要求提供行人通道並連接六米路，以便掃墓。	艾奕康駐工地工程人員於2020年2月17日已致電通知黃女士表示，就有關其提出於其地段提供行人通道，需以書面向有關部門申請。黃女士表示明白。
個案五 楊志傑	東風坳豬場近橋D橋墩AP324S DD78 1676	由於接獲部分竹園村/坪洋村民要求於竹園村橋D近橋墩AP328S至AP331工地其農田及住處提供行車通道或行人通道以連接六米路，故駐工地工程人員艾奕康與承建商代表和村民2020年1月6日上午10時會面了解訴求。其中一名村民為楊先生，他經營的豬場位於東風坳，雖然承建商會重置通往其豬場舊有的行車通道，但他堅持要求承建商保留位於工地範圍其豬場正門對出的臨時行車通道。	就有關要求, 艾奕康駐工地工程人員會聯絡地政總署, 民政事務總署及環境保護署提出有關要求的更改. 若有關部門不同意上述更改, 將通知楊先生並按原定已批准的設計完成有關工程。

個案六 葉子林	坪洋交匯處 DD79 786 & 790	<p>駐工地工程人員於2020年3月13日接獲葉子林先生就其位於坪洋交匯處的古田農場附近的工程及綠化工作提出的關注：</p> <p>一. 永久鐵絲網與其住家和農田的距離 二. 農田旁的去水道淤塞 三. 通往其住家的通道 四. 附近的種樹安排</p> <p>葉先生尤為關注種樹安排，他指出位於"古田農場"西面的的綠化區，絕不能栽種2米以上高度樹木，否則將嚴重影響日後古田農場的光源。他於2020年3月18日就建議的種樹安排正式提出反對。</p>	<p>由於在西面綠化區的植樹安排是根據環評報告樹木補償建議而作出，有關的報告已進行公開諮詢，故上述位置的植樹安排必須符合報告的要求。</p> <p>在西面綠化區的植樹安排已獲環境保護署審批。就葉先生要求不能於該處種植大樹，已向有關部門建議將原定於該綠化區種植的27株大樹減至8株，並沿該綠化區馬路方向種植，現正候審批。至於葉先生建議種植不得高於2米的灌木，該綠化區所種植的灌木樹種已獲批轄，灌木樹種將不高於2米。</p> <p>由於須按法例要求及已審批的綠化計劃植樹，無論修訂是否取得批准，該8棵大樹將會按原定計劃進行種植。有需要時，會到現場向葉先生解釋上述規定和安排。</p> <p>就其他的關注, 艾奕康駐工地工程人員已與葉先生跟進.</p>
個案七 楊太	坪洋尼龍壩	<p>一.將來豎設的永久鐵絲網與其屋邊只有約1.4米濶的通道，楊太表示通道可能無法用作從屋入口連接到相鄰車輛通道的緊急通道 二. 現時停車位及儲物區會受影響 三. 由屋直接通往農田的通道因豎設永久鐵絲網而受阻隔</p> <p>楊太最為關注是將來永久鐵絲網與其屋之間通道，強烈要求豎設永久鐵絲網時可保留較濶的通道。</p>	<p>北拓展處會就楊太對永久鐵絲網與其屋之間通道的要求向北區地政處建議更改永久鐵絲網位置。若有關部門不同意上述更改, 將通知楊太並按原定已批准的設計完成有關工程。</p> <p>就其他的關注, 艾奕康駐工地工程人員已與楊太跟進.</p>
個案八 廖季明	竹園村橋D近橋墩 AP333S DD78 1356 .	廖先生表示，當年地政處徵收其部份土地進行蓮塘/香園圍口岸工程時，時任地政處官員曾旭平先生承諾會於上述土地提供行車通道。只表示若其要求未能被接納，他會採取法律行動，並向申訴專員投訴。	會議結論與個案一至三相同。
個案九 張太	竹園村橋D DD78 1510 R.P.	向1823投訴相鄰的長方形排水渠建造影響其出入，要求提供通道。	會議結論與個案一至三相同。



LOCATION PLAN
SCALE A3 1 : 600000

NOTE:

1. ALIGNMENTS OF VILLAGE PATHS ARE INDICATIVE ONLY.
2. CASE 1 TO 5 HAD PREVIOUSLY DISCUSSED WITH VILLAGES ON SITE ON 6 JAN 2020.

LEGEND:

- SITE BOUNDARY
- WETLAND
- PROPOSED COACH PARK
- LANDSCAPE AREA
- PROPOSED SEATINGS (SEE TYPICAL LAYOUT PLAN IN INSERT 'A')
- PROPOSED HYD STANDARD TYPE 2 RAILINGS TO BE MAINTAINED BY HAD
- VILLAGES REQUEST NEW ACCESS
- AGREED ACCESS

REFERENCE:

A	13/05/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
-	09/01/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
Rev.	Date	Description	Drawn	Prepared	Checked

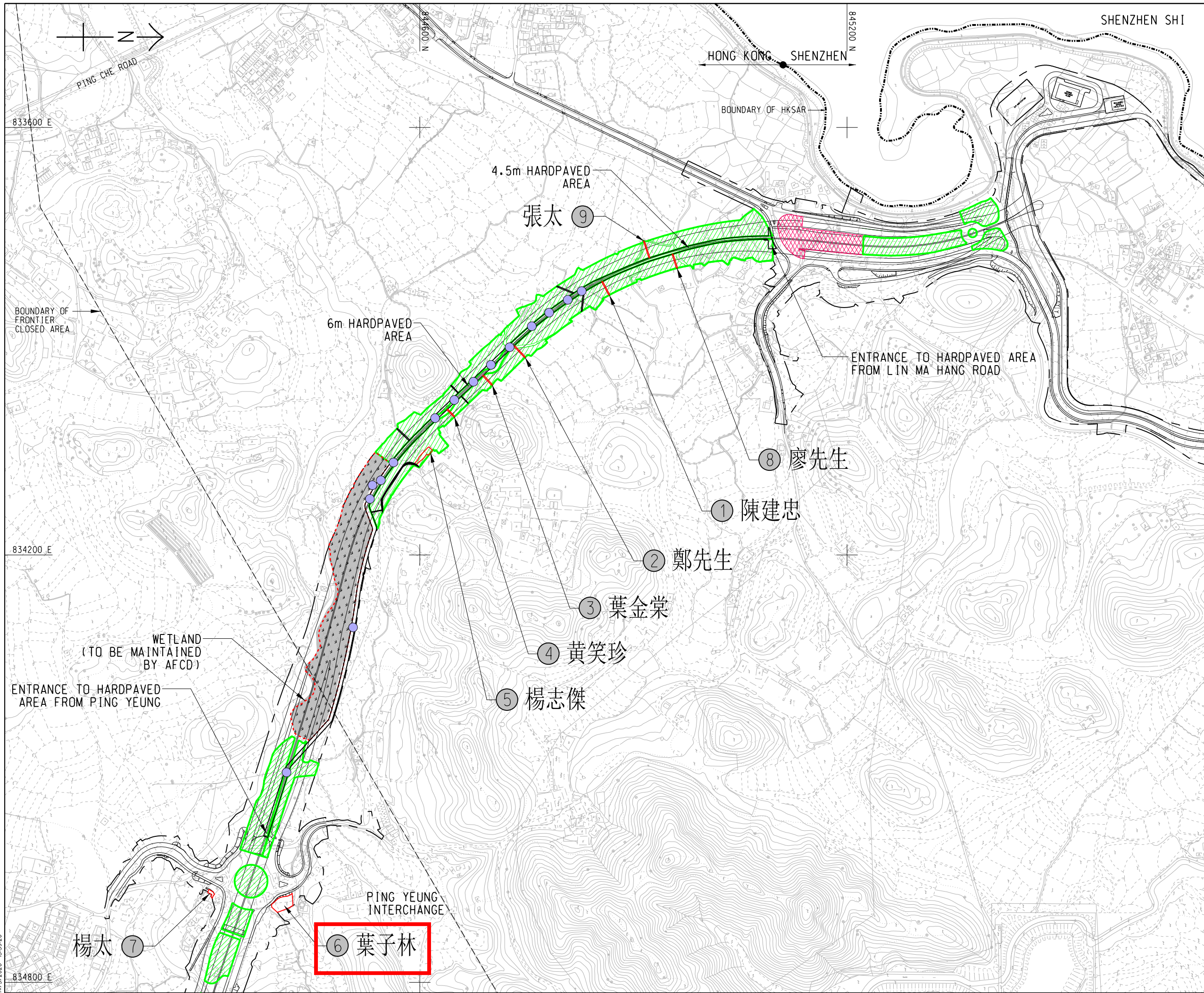
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:

PROPOSED NEW ACCESS

SKETCH NO. CV/2013/08/SK3489A SCALE 1:5000 (A3)



NGO Tsz Kei, Twiggy

From: letpp3@landsd.gov.hk
Sent: Friday, 20 December, 2019 3:38 PM
To: NGO Tsz Kei, Twiggy
Cc: LEUNG Siu Yin, Carol; WONG Tin Lok, Clement; WONG Wing Kin, Gilbert; PAK Chau Kin, Patrick; TAM Tsz Him, Ray; sletpp1@landsd.gov.hk
Subject: Contract No CV/2012/09(Contract 3) -Tree Transplantation and compensatory planting proposal
Attachments: Location 1.pdf; Location 2.pdf

Dear Twiggy,

On 17.12.2019, this office conducted joint site inspection with AECOM to review the site situation at Location 1 & 2 (Plan and Photo attached). **This office has no comment to the proposed compensatory planting subject to the completion of work is up to our satisfaction and the approval of revised TPRP.** The concerned sites should be duly fenced-off with man gate and could not easily accessible by the public.

My staff and staff of Land Control Team will conduct pre-hand over inspection upon completion of works. For your follow up action, pls.

Best Regards,
Ms. Catherine HO
LE/P3, DLO/Tai Po
Lands Department
Tel: 2654 1269
Fax: 2650 9896

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "letpp3@landsd.gov.hk" <letpp3@landsd.gov.hk>
Cc: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>, "sletpp1@landsd.gov.hk" <sletpp1@landsd.gov.hk>, "WONG Wing Kin, Gilbert" <gilbert.wong@lt-aecom.com>
Date: 13/12/2019 14:48
Subject: RE: Contract No CV/2012/09(Contract 3) -Tree Transplantation and compensatory planting proposal

Dear Catherine (LandsD/TP),

I refer to our tele-conversation on Monday and the joint site inspection among LandsD, WSD and AECOM dated 31 October 2019.

I may like to recap the pervious discussion between my Senior Landscape Architect Ms. Carol Leung and your good self via email dated 12 November 2019.

1) Contractor's compensation planting proposal for the loss of transplanted trees

The contractor had reported the loss of **34nr** transplanted trees with an accumulated DBH of **14313mm**. In order to compensate the loss within the limited planting area at the Liantang site, the contractor had proposed to optimize the planting space under viaducts, and provide **33nr** trees and **72nr** palms as compensation of the loss of the **34nr** transplanted trees. The details are summarized in the following table for your reference.

	To Compensate the Dead Transplanted Trees	Additional Compensatory trees	Total
Tree (nr)	33	0	33
Palm (nr)	1	71	72
Total	34	71	105

Please note that CEDD had issued a memo covering the "Application for Further Tree Felling and Compensatory Planting(Tai Po - 5th Application)", for ease of reference, the subject covering memo is attached in **Enclosure_4**.

2) Additional Planting area for Extra Palms within UUGLs

As agreed on site, LandsD will take up more UUGLs and you don't mind us to maximize these additional UUGLs for compensatory planting. Please note that additional **47nr** new palm trees are proposed in the planting area along Tai Wo Service Road West near the DSD Pumping Station, and along Tai Wo Service Road East near the Kiu Tau Road Footbridge. Please see the details in **Enclosure_1**.

Please find the following proposals for your confirmation:

- **Enclosure_1**, a set of demarcation plans extracted from the "Compensatory Proposal for Transplanted Trees", which was submitted to you previously via email;
- **Enclosure_2**, a set of extracted "Tree Planting Plans" as submitted to you previously via email (with the concerned tree locations highlighted); and
- **Enclosure_3**, a set of site photos of the additional UUGL for compensatory planting for your easy reference.
- **Enclosure_4**, CEDD's memo covering the "Application for Further Tree Felling and Compensatory Planting(Tai Po - 5th Application)"

We would be grateful to receive your confirmation before **16 December 2019**. Should you have any questions, please do not hesitate to contact the undersigned.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

From: LEUNG Siu Yin, Carol
Sent: Tuesday, 12 November, 2019 3:50 PM
To: letpp3@landsd.gov.hk; sletpp1@landsd.gov.hk
Cc: WONG Tin Lok, Clement <clement.wong@lt-aecom.com>; NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>; TAM Tsz Him, Ray <ray.tam@lt-aecom.com>; PAK Chau Kin, Patrick <patrick.pak@lt-aecom.com>; LEE Chun Fai, Alan <alan.lee@lt-aecom.com>; 'pylu@cedd.gov.hk' <pylu@cedd.gov.hk>; FRANKIE CHAN MAN WA (frankie.chan@chunwo.com) <frankie.chan@chunwo.com>; 'roger.chang@chunwo.com' <roger.chang@chunwo.com>
Subject: RE: Contract No CV/2012/09(Contract 3) -Tree Transplantation and compensatory planting proposal (email 2 of 2)

Email 2 of 2

Thanks!
Carol
21713405/63215017

From: LEUNG Siu Yin, Carol
Sent: Tuesday, November 12, 2019 3:49 PM
To: letpp3@landsd.gov.hk; sletpp1@landsd.gov.hk
Cc: WONG Tin Lok, Clement; NGO Tsz Kei, Twiggy; TAM Tsz Him, Ray; PAK Chau Kin, Patrick; LEE Chun Fai, Alan; pylu@cedd.gov.hk; FRANKIE CHAN MAN WA (frankie.chan@chunwo.com); 'roger.chang@chunwo.com'
Subject: RE: Contract No CV/2012/09(Contract 3) -Tree Transplantation and compensatory planting proposal (email 1 of 2)

Dear Catherine,
As explained over the tele-conversation with your good self previously and followed with the joint site inspection on 31 October 2019; I may like to report that **34nr** transplanted trees under Contract No CV/2012/09(Contract 3) are either certified dead or further assessed as not suitable to be transplanted back to the site. In this regard, our contractor had provided a comprehensive report to explain the reasons for not transplanting these trees. They also provided a compensation planting proposal which we considered acceptable.

I may like to summarize the Contractor's report as follow for your easy reference:

1) Consideration of tree size in relation with transportation vehicles and change of site conditions along the route to the temporary holding nursery

According to the contractor's report, the concerned trees were transplanted to the Lau Fu Shan Temporary Holding Nursery in 2013 and most of them were mature tree on the date of transplantation. These trees had been recovered after 5 years of preservation in the Temporary Holding Nursery, and they now reach the height over 8m. The site conditions along the route to the temporary holding nursery are also changed; many structures had been developed over the past 5 years which physically limited the size of transportation vehicles to reach the Temporary Holding Nursery. As a result, most the tree are required to be **topped to a maximum height of 8m**, in order to fit in the proposed crane lorry.

2) Consideration of tree species and the anticipated survival rate after the 2nd transplantation

Among the **34nr** trees in concerned, **14nr** had been certified dead and **20nr** are assessed not suitable to be transplanted back to the site. **85%** of these **20nr** trees are exotic species and the anticipated survival rate after the 2nd transplantation is very low. Although the remaining **15%** are native species, the reestablishing ability after the 2nd transplantation will be very low as well.

3) Consideration of tree form, tree health and tree structure in relation with public safety, after the 2nd transplantation

The Contractor further assessed the tree form, tree health and tree structure after the 2nd transplantation. The report showed that all **20nr** trees will lose most of the branches and numbers of open wounds will be created after the topping. Trees will be in high risk of infection and the open wounds will be more susceptible to decay and pest attack. Tree structure will also be greatly affected and it eventually induces imminent risk to endanger the public safety.

We agreed with the contractor's consideration and find their justification acceptable. In view of the loss of such amount of trees, the contractor endeavor to compensate tree in terms of DBH. They had reported that the loss of these **34nr** trees had accumulated the DBH of **14313mm**, which is equivalent to **191nr** heavy standard tree. In respect of the fact that the site area for extra compensatory planting is absolutely limited, it is technically infeasible to plant extra **191nr** trees on site. Hence, the contractor proposed to optimize the use of space under the viaducts, for planting **33nr trees** and **72nr palms** as compensation for the loss of **34nr** transplanted trees; which comply with the requirements stated in DEVB T.C.W No 6/2015. Details of compensatory planting proposals had been incorporated into the Contractor's report.

We further explained during the joint site inspection on 31 October 2019 that; there is an urgency to complete works of the entire Contract 3 by end of 2019. And, we have actual constraints to compile the revised **Tree Removal and Preservation Proposal (TPRP)** in short period of time since the departmental disputes on vegetation maintenance of the entire Liantang Project is still under discussion, and it is unlikely to be settled by end of 2019. We therefore seek your agreement to review our proposal separately. We confirm that we will incorporate all revised tree figures into the coming **Tree Removal and Preservation Proposal (TPRP)** after obtaining your approval. Should you have no objection, I will circulate the contractor's report to relevant advisory departments, and formally submit it for your approval in due course.

For ease of reference, The contractor report is enclosed in **Annex A** and a revised planting proposals is enclosed in **Annex B**.

It shall be grateful to receive your comment, if any, by mid of November 2019.

Thank you!

Regards,
Carol LEUNG
Senior Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

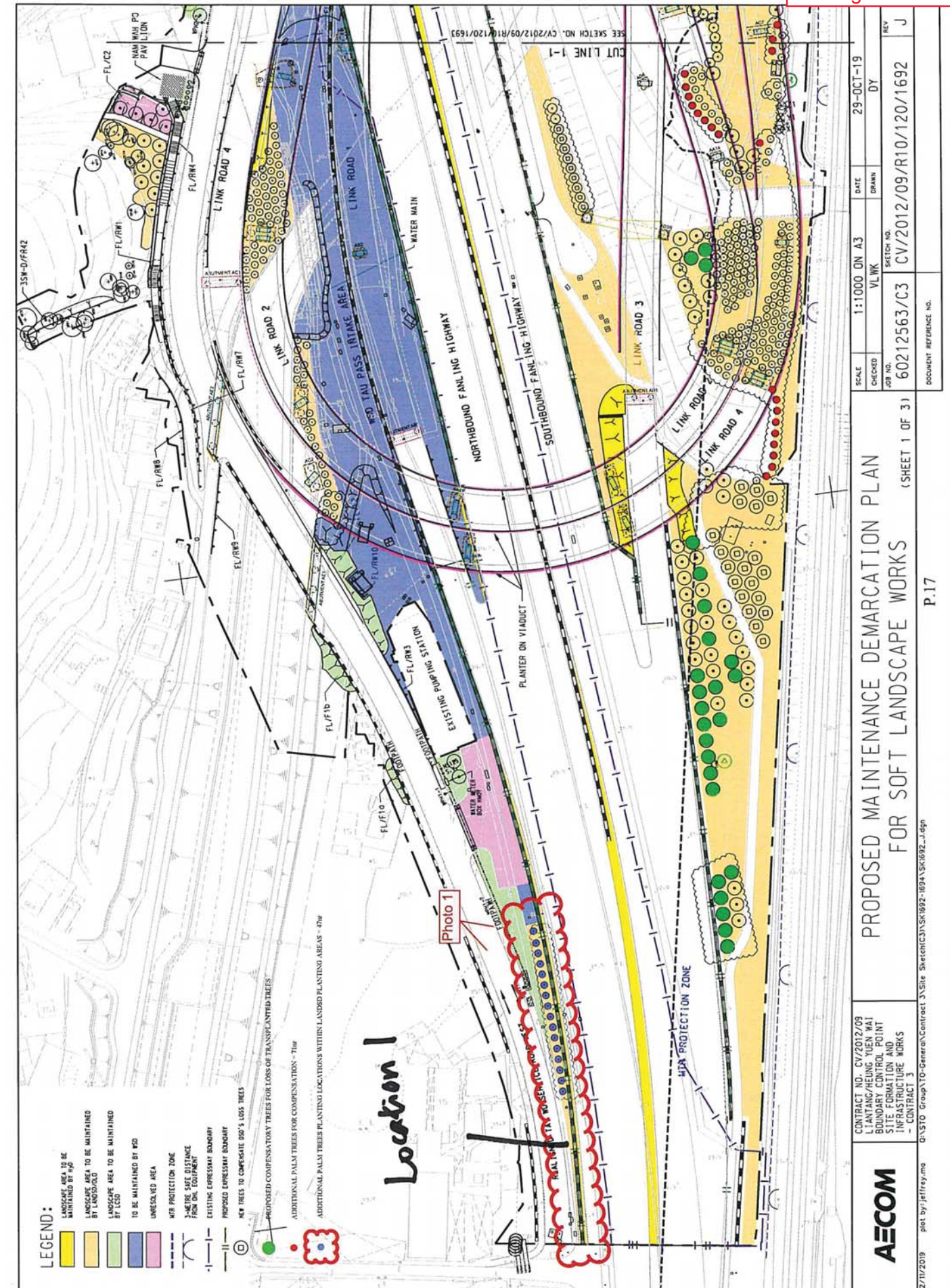
Tel: 6321 5017 / 2171 3405

Fax: 2171 3498

[attachment "Enclosure_2 Additional trees in LandsD area.pdf" deleted by Catherine KY HO/LAO/LANDSD/HKSARG]
[attachment "Enclosure_3_Site photos for additional planting areas.pdf" deleted by Catherine KY HO/LAO/LANDSD/HKSARG] [attachment "Enclosure_4 Memo from CEDD.pdf" deleted by Catherine KY HO/LAO/LANDSD/HKSARG] [attachment "Enclosure_1 Extracted plans from Compensatory proposal for transplanted trees.pdf" deleted by Catherine KY HO/LAO/LANDSD/HKSARG]



Location 1



From: [Yan YY HO](#)
To: [NGO Tsz Kei](#), [Twiggy](#)
Cc: [Maggie PL YUNG](#); [SM FUNG](#); [Eric CH CHAN](#); [Anthony KW WONG](#); [Elsa C TSENG](#); [WH CHUNG](#); [Ken PK LAM](#); [Phoenix WY LO](#); [Eddie KS CHAN](#)
Subject: 轉寄: RE: Agreement No. CE 38/2010 (CE) Liantang/HYW Boundary Countrol Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East - Additional information 2
Date: Monday, 08 July, 2019 5:49:04 PM

Dear Twiggy,

I refer to your email below. Please find our comments below:

From district management angle

This office has no objection on the R to C. No further comment please. Thanks.

From tree management angle

No comment from NTETT, please.

From landscape management angle

Nil return from Landscape Sub-section, please.

Best regards,

Yan HO

SEA(P)7 /LCSD

Tel: 2601 7374

----- Forwarded by Yan YY HO/LCSD/HKSARG on 08/07/2019 17:44 -----

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: Yan YY HO <yayyho@lcsd.gov.hk>
Cc: Eric CH CHAN <echochan@lcsd.gov.hk>, Anthony KW WONG <akwwong@lcsd.gov.hk>, Ken PK LAM <kpklam@lcsd.gov.hk>, WH CHUNG <whchung@lcsd.gov.hk>, Elsa C TSENG <ectseng@lcsd.gov.hk>, Maggie PL YUNG <mplyung@lcsd.gov.hk>, SM FUNG <smfung@lcsd.gov.hk>, Phoenix WY LO <pwlyo@lcsd.gov.hk>, Eddie KS CHAN <ekschan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>
Date: 08/07/2019 16:56
Subject: RE: Agreement No. CE 38/2010 (CE) Liantang/HYW Boundary Countrol Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East - Additional information

Dear Yan,

Thank you for your comment, please find our response as follows:

Comments	Response
<u>From district management angle</u> Refer to the drawing no. CV/2012/09/R10/120/2199, this office would like to change the species of Hibiscus rosa-sinensis 'Orange' to "Rhododendron pulchrum".	Please be noted that the species, <i>Hibiscus rosa-sinensis</i> 'Orange', in drawing no. CV/2012/09/R10/120/2199 had been agreed by your office in the email dated 20 June 2019 (see attached "Email dd 20190620.pdf"). There is contractual implication to change the <i>Hibiscus rosa-sinensis</i> 'Orange' to <i>Rhododendron pulchrum</i> at this moment because the planting materials had been procured and the planting works would be commenced very soon.
For the additional landscaping area, the work department should provide clear demarcation to delineate the landscaped area on-site where would be handed over to LCSD. Moreover, appropriate access road should be provided for our easy maintenance.	

Please seek TTNTE's comment in matter of trees.	However, it is possible to change the proposed <i>Hibiscus rosa-sinensis</i> 'Orange' to <i>Rhododendron pulchrum</i> , which is shown in drawing no. CV/2012/09/R10/120/2232A in "Encl.D_rev.1". Since the proposed shrubs in the subject planting area is not procured at this moment. We confirm that clear demarcation would be provided to delineate the landscaped area on site for LCSD's future maintenance; and appropriate access road (the footpath along TWSRE) is also provided your easy maintenance. The proposal was also sent to TTNTE for their comment and they had provided no adverse comment in their reply.
<u>From tree management angle</u> We have no adverse comment, please.	Noted.
<u>From landscape management angle</u> Please register a nil return from Landscape Sub-section.	Noted.

Due to the tight programme for completion of the landscape softworks, we would be grateful to receive your reply before 12 July 2019. Should you have any queries, please feel free to contact myself or my Senior Resident Landscape Architect, Ms. Carol Leung, at 2171 3405.

Regards,

Twiggy Ngo

Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

Twiggy Ngo

Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

From: Yan YY HO [<mailto:yayyho@lcsd.gov.hk>]

Sent: Monday, 08 July, 2019 3:06 PM

To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>

Cc: Eric CH CHAN <echochan@lcsd.gov.hk>; Anthony KW WONG <akwwong@lcsd.gov.hk>; Ken PK LAM <kpklam@lcsd.gov.hk>; WH CHUNG <whchung@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; Maggie PL YUNG <mplyung@lcsd.gov.hk>; SM FUNG <smfung@lcsd.gov.hk>; Phoenix WY LO <pwlyo@lcsd.gov.hk>; Eddie KS CHAN <ekschan@lcsd.gov.hk>

Subject: RE: Agreement No. CE 38/2010 (CE) Liantang/HYW Boundary Countrol Point and Associated Works

(C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East - Additional information

Dear Twiggy,

I refer to your email below. Please find our comments below:

From district management angle

Refer to the drawing no. CV/2012/09/R10/120/2199, this office would like to change the speices of Hibiscus rosa-sinensis 'Orange' to "Rhododendron pulchrum".

For the additional landscaping area, the work department should provide clear demarcation to delineate the landscaped area on-site where would be handed over to LCSD. Moreover, appropriate access road should be provided for our easy maintenance. Please seek TTNTE's comment in matter of trees.

From tree management angle

We have no adverse comment, please.

From landscape management angle

Please register a nil return from Landscape Sub-section.

Best regards,

Yan HO

SEA(P)7 /LCSD

Tel: 2601 7374

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>

To: Yan YY HO <yayyho@lcsd.gov.hk>

Cc: Anthony KW WONG <akwwong@lcsd.gov.hk>, SM FUNG <smfung@lcsd.gov.hk>, Elsa C TSENG <ectseng@lcsd.gov.hk>, Eric CH CHAN <echochan@lcsd.gov.hk>, Maggie PL YUNG <mplyung@lcsd.gov.hk>, Ken PK LAM <kpklam@lcsd.gov.hk>, "WH CHUNG" <whchung@lcsd.gov.hk>, Phoenix WY LO <pwyllo@lcsd.gov.hk>, Eddie KS CHAN <ekschan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aecom.com>, "YAU Ngok, Weaven" <weaven.yau@lt-aecom.com>, "LING Yun, Julian" <julian.ling@lt-aecom.com>

Date: 28/06/2019 14:17

Subject: RE: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Yan,

First of all, thank you very much for your approval to our previous proposal.

Please note that few drawings were not attached in our last proposal dated 6 June 2019. For ease of clarify, we hereby enclose a location plan showing the missing planting area in **Encl A**, a full set of *Proposed Additional Soft Landscape Area along Tai Wo Service Road East* in **Encl B**; and a set of *Proposed Maintenance Demarcation Plans for Soft Landscape Works* in **Encl C**, for your further review and acceptance.

We again confirm that this proposal is fully complied with the requirement listed in the "General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance", promulgated by LCSD in May 2018. In which, 63m of continuous physical demarcations (E1 Kerbs, to be maintained by HyD) will be provided to clearly delineate the LCSD landscape area from other planting areas; and, adequate lockable water points (maintenance agent to be identified) will also be provided for your maintenance use (locations of water points are for reference only and should subject to WSD approval). On the other hand, sufficient Recurrent Cost (RC) will be allocated for your future maintenance.

Due to the tight programme for completion of the landscape softworks, we would be grateful to receive your reply before 3 July 2019. Should you have any queries, please feel free to contact myself or my Senior Resident Landscape Architect, Ms. Carol Leung, at 2171 3405.

Regards,

Twiggy Ngo

Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point

Site Formation and Infrastructure Works

AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2171 3412

From: Yan YY HO [<mailto:yayyho@lcsd.gov.hk>]

Sent: Friday, 21 June, 2019 11:42 AM

To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>

Cc: Anthony KW WONG <akwwong@lcsd.gov.hk>; SM FUNG <smfung@lcsd.gov.hk>; Elsa C TSENG <ectseng@lcsd.gov.hk>; Eric CH CHAN <echochan@lcsd.gov.hk>; Maggie PL YUNG <mplyung@lcsd.gov.hk>; Ken PK LAM <kpklam@lcsd.gov.hk>; WH CHUNG <whchung@lcsd.gov.hk>; Phoenix WY LO <pwyllo@lcsd.gov.hk>; Eddie KS CHAN <ekschan@lcsd.gov.hk>

Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to my preceding email, please find our additional comments below:

From landscape management angle

Please note that we have no further comment on the planting proposal.

Best regards,

Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

----- Forwarded by Yan YY HO/LCSD/HKSARG on 21/06/2019 11:38 -----

From: Yan YY HO/LCSD/HKSARG
To: twiggy.ngo@lt-aeom.com
Cc: Anthony KW WONG/LCSD/HKSARG@LCSD, SM FUNG/LCSD/HKSARG@LCSD, Elsa C TSENG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Maggie PL YUNG/LCSD/HKSARG@LCSD, Ken PK LAM/LCSD/HKSARG@LCSD, WH CHUNG/LCSD/HKSARG@LCSD, Phoenix WY LO/LCSD/HKSARG@LCSD, Eddie KS CHAN/LCSD/HKSARG@LCSD
Date: 20/06/2019 15:42
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to my preceding email, please find our additional comments below:

From district management angle

The planting proposal of the shrubs is acceptable for us. Please remind the works department that the water points/irrigation system should be handed over to our maintenance agent (ArchSD/EMSD) upon completion work for their maintenance in future. Meanwhile, U-channel and E1 kerbs should be taken over by the relevant departments for maintenance as well. Thank you.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

----- Forwarded by Yan YY HO/LCSD/HKSARG on 20/06/2019 15:35 -----

From: Yan YY HO/LCSD/HKSARG
To: twiggy.ngo@lt-aeom.com
Cc: Anthony KW WONG/LCSD/HKSARG@LCSD, SM FUNG/LCSD/HKSARG@LCSD, Elsa C TSENG/LCSD/HKSARG@LCSD, Eric CH CHAN/LCSD/HKSARG@LCSD, Maggie PL YUNG/LCSD/HKSARG@LCSD, Ken PK LAM/LCSD/HKSARG@LCSD, WH CHUNG/LCSD/HKSARG@LCSD, Phoenix WY LO/LCSD/HKSARG@LCSD, Eddie KS CHAN/LCSD/HKSARG@LCSD
Date: 19/06/2019 11:36
Subject: Re: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Twiggy,

I refer to your email dated 6 June 2019 on the captioned subject. Please find our comments as below:

From district management angle

This office has no comment on the proposed arrangement in view of shrubs management. Please be advised that access road should be provided as appropriate on the proposed landscape area to facilitate our vegetation maintenance. For the additional landscape area, the detail of the proposed species of shrubs should be sought our comment.

From tree management angle

We have no adverse comment on the proposed trees at the additional landscape area along Tai Wo Service Road East. However, as there will be shrubs planting, please ensure sufficient clearance (at least 300mm) should be provided around the trunk base area in order not to affect our tree inspection work.

From landscape management angle

We have no comment at this stage and our comment will be provided when detailed landscape plan is available.

Thank you.

Best regards,
Yan HO
SEA(P)7 /LCSD
Tel: 2601 7374

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aeom.com>
To: "pwylolcsd.gov.hk" <pwylolcsd.gov.hk>
Cc: "smfung@lcsd.gov.hk" <smfung@lcsd.gov.hk>, "mplyung@lcsd.gov.hk" <mplyung@lcsd.gov.hk>, "echochan@lcsd.gov.hk" <echochan@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aeom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aeom.com>, "WONG Tin Lok, Clement" <clement.wong@lt-aeom.com>, "PAK Chau Kin, Patrick" <patrick.pak@lt-aeom.com>, "LING Yun, Julian" <julian.ling@lt-aeom.com>, "YAU Ngok, Weaven" <weaven.yau@lt-aeom.com>
Date: 06/06/2019 14:09
Subject: Agreement No.: CE 38/2010(CE): Liantang/ HYW Boundary Control Point and Associated Works (C3) - Proposed Additional Soft Landscape Area along Tai Wo Service Road East

Dear Ms. Lo,

In view of the agreement made between the Cross Boundary Maintenance Section of HyD and CEDD on 28 March 2019 (see **Encl. A**) regarding the maintenance responsibility of the Realigned Tai Wo Service Road East (TWSRE), please be notified that NT/HyD had agreed to take up the maintenance of TWSRE. We therefore propose to hand over the roadside landscape areas (approx. 1670m², see **Encl. B**) along the TWSRE in accordance with the Appendix A of *Technical Circular (Works) No. 6/2015* (see **Encl. C**), for your future maintenance.

Please find a set of *Proposed Additional Soft Landscape Area along Tai Wo Service Road East* in **Encl. D** and a set of *Proposed Maintenance Demarcation Plans for Soft Landscape Works* in **Encl. E** for your consideration and approval.

We confirm that this proposal is fully complied with the requirement listed in the *"General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance"*, promulgated by LCSD in May 2018. In which, 360m of continuous physical demarcations (U-channel and E1 Kerbs) will be provided to clearly delineate the LCSD landscape area from other planting areas; and, adequate lockable water points will also be provided for your maintenance use (locations of water points are for reference only and should be subject to WSD approval). On the other hand, sufficient Recurrent Cost (RC) will be allocated for your future maintenance.

Due to the tight programme for completion of the landscape softworks, we would be grateful to receive your reply before 21 June 2019. Should you have any queries, please feel free to contact myself or my Senior Resident Landscape Architect, Ms. Carol Leung, at 2171 3405.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

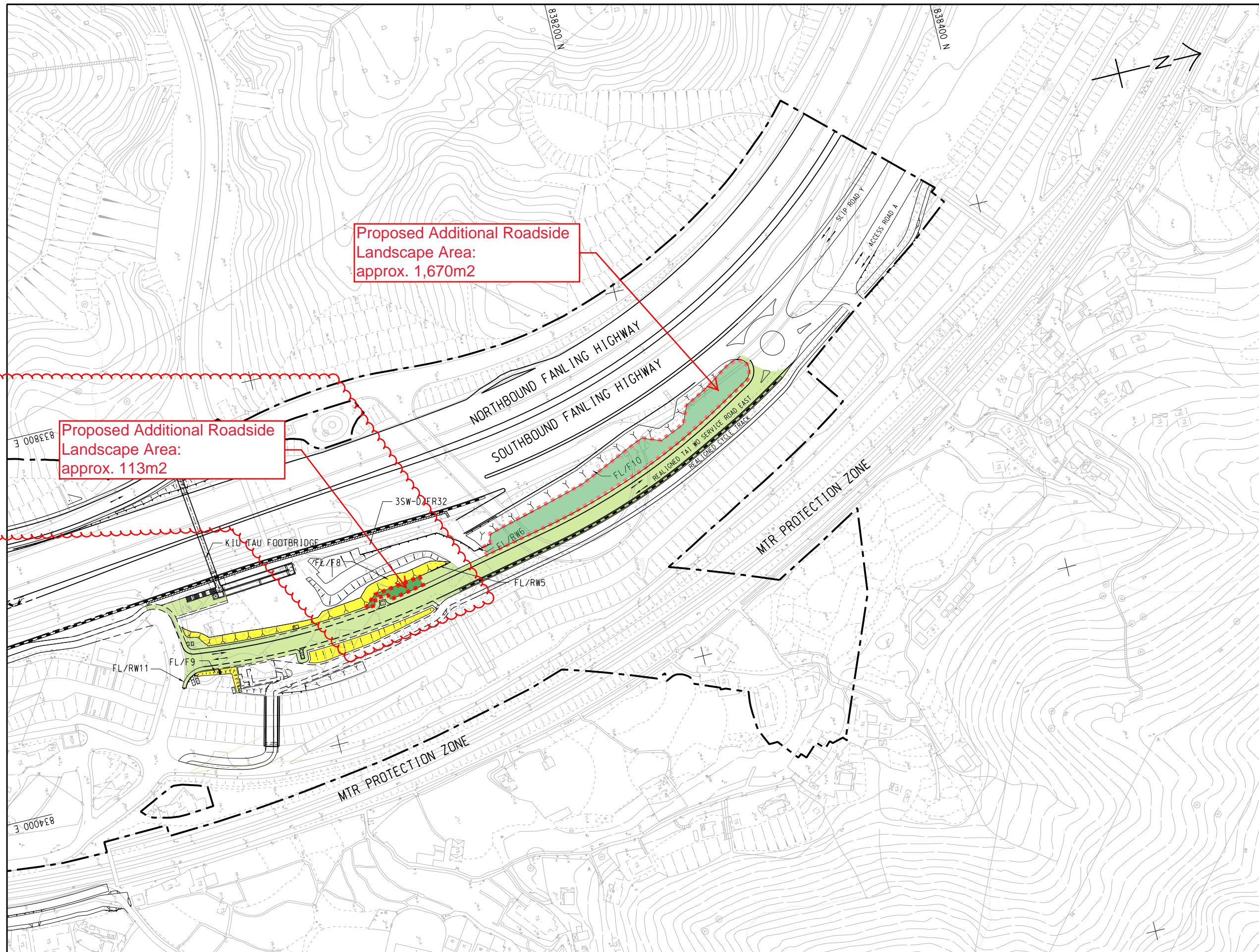
Tel: 6321 5018 / 2171 3412
[附件檔 "Encl E.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl A.pdf" 已被 Yan YY
HO/LCSD/HKSARG 刪除] [附件檔 "Encl B.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl C.pdf" 已
被 Yan YY HO/LCSD/HKSARG 刪除] [附件檔 "Encl D.pdf" 已被 Yan YY HO/LCSD/HKSARG 刪除]

LEGEND:

- SITE BOUNDARY
- L-SHAPE RC RETAINING
- OPEN CUT SLOPE AT MAX ANGLE AS STATED
- COMPACTED FILL SLOPE AT 26.6° MAX UNLESS OTHERWISE STATED
- ROADSIDE SLOPE AND RETAINING STRUCTURE TO BE MAINTAINED BY HyD
- AT-GRADE ROAD TO BE MANAGED BY TD & MAINTAINED BY HyD/NT
- ADDITIONAL ROADSIDE LANDSCAPE AREA PROPOSED TO BE HANDED OVER TO LCSD FOR FUTURE MAINTENANCE

Proposed Additional Roadside
Landscape Area:
approx. 1,670m²

Proposed Additional Roadside
Landscape Area:
approx. 113m²



AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

EXTENT OF REALIGNED TAI WO SERVICE ROAD EAST
TO BE MANAGED/MAINTAINED BY TD/HyD

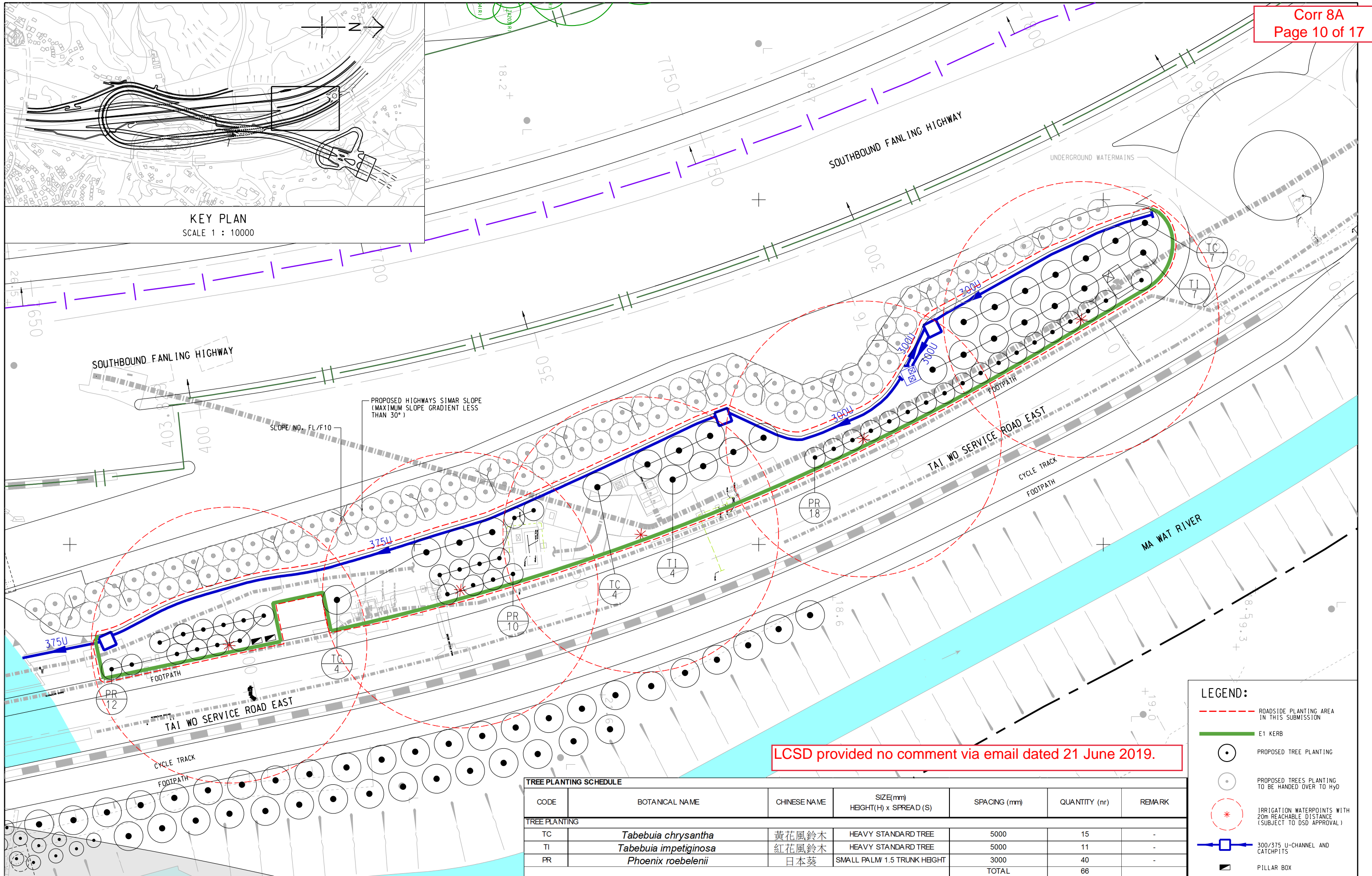
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CHECKED	AL	DRAWN	IFPY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2189
DOCUMENT REFERENCE NO.		REV	-

Encl. D

Proposed Additional Soft Landscape Area along Tai Wo Service Road East

	DRAWING TITLE	DRAWING NUMBER	REV	REMARKS
PLANTING PLANS				
1	TREE PLANTING PLAN – TAI WO SERVICE ROAD EAST	CV/2012/09/R10/120/2198	-	LCSD provided no comment via email on 21 June 2019.
2	TREE PLANTING PLAN – TAI WO SERVICE ROAD EAST	CV/2012/09/R10/120/2231	-	
3	SHRUB PLANTING PLAN – TAI WO SERVICE ROAD EAST	CV/2012/09/R10/120/2199	-	LCSD provided no comment via email on 21 June 2019.
4	SHRUB PLANTING PLAN – TAI WO SERVICE ROAD EAST	CV/2012/09/R10/120/2232	A	

(TOTAL : 4 SHEETS)



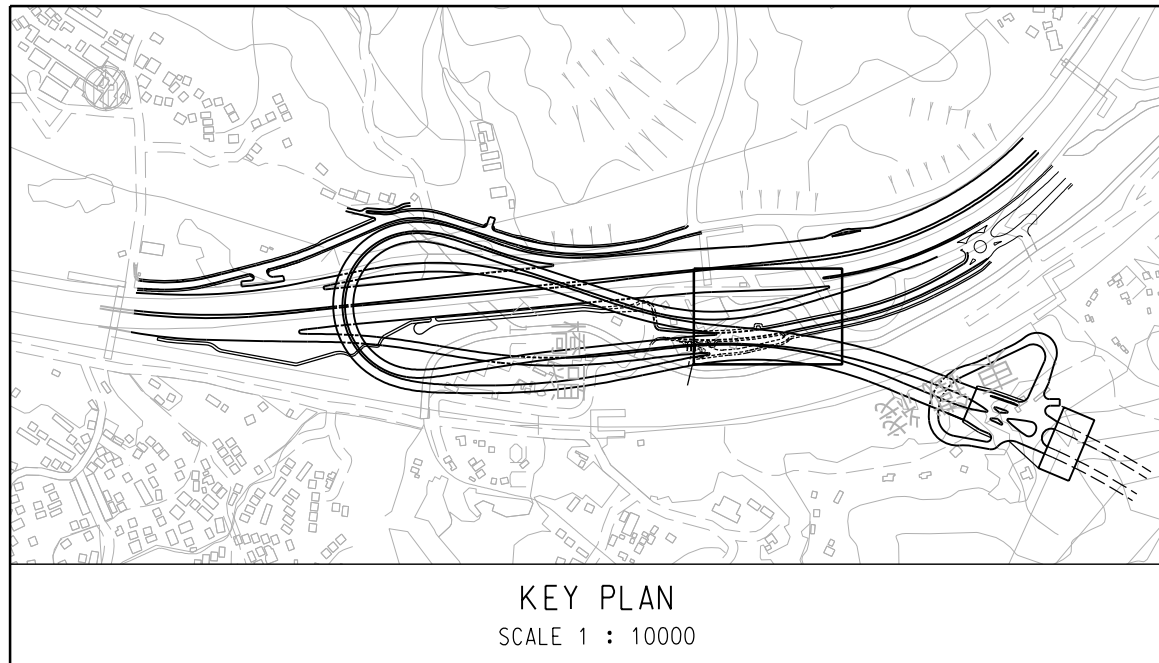
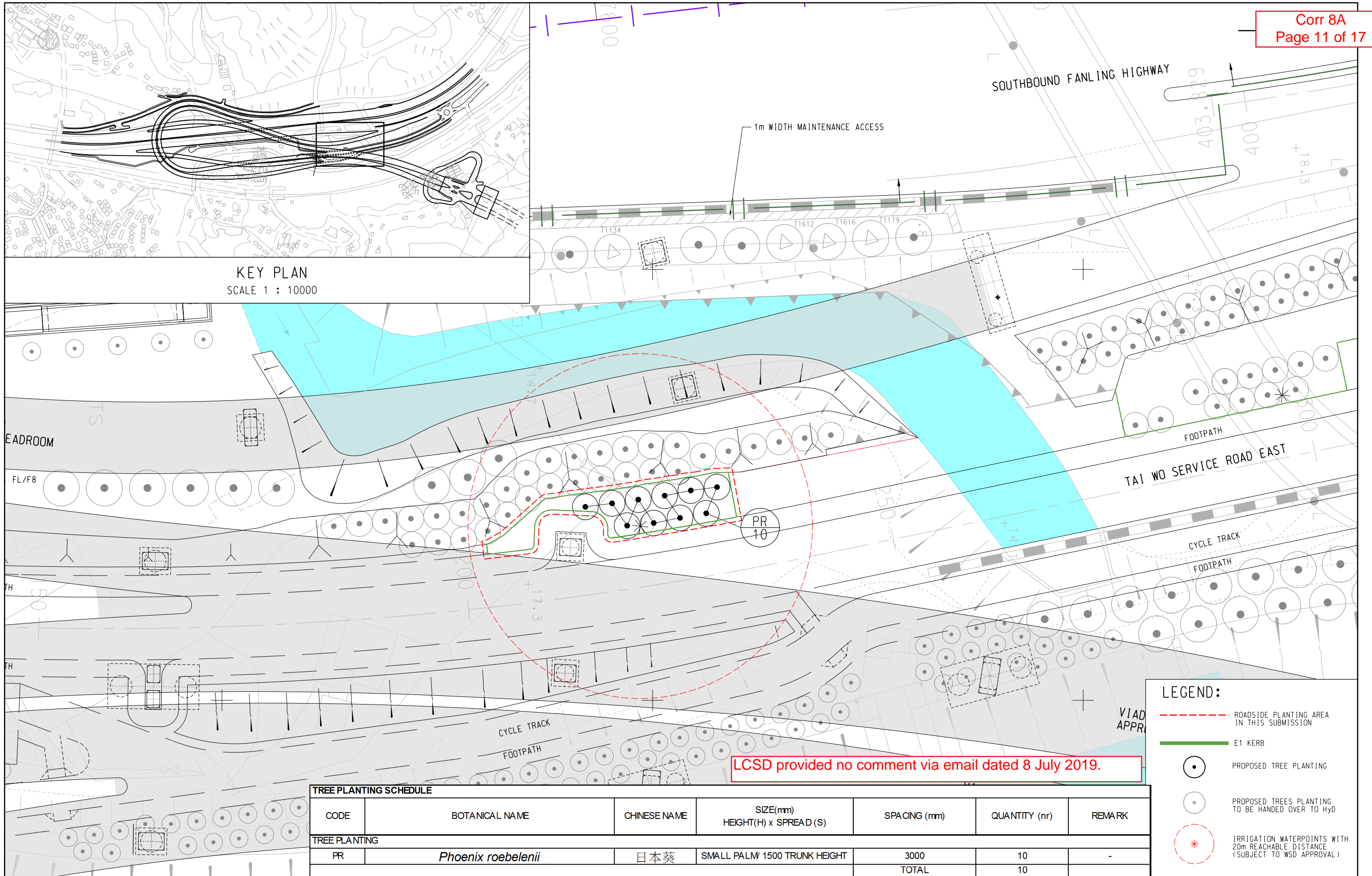
LCSD provided no comment via email dated 21 June 2019.

TREE PLANTING SCHEDULE

CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY (nr)	REMARK
TREE PLANTING						
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	HEAVY STANDARD TREE	5000	15	-
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	HEAVY STANDARD TREE	5000	11	-
PR	<i>Phoenix roebelenii</i>	日本葵	SMALL PALM 1.5 TRUNK HEIGHT	3000	40	-
TOTAL					66	

LEGEND:

- ROADSIDE PLANTING AREA IN THIS SUBMISSION
- E1 KERB
- PROPOSED TREE PLANTING
- PROPOSED TREES PLANTING TO BE HANDED OVER TO HYD
- IRRIGATION WATERPOINTS WITH 20m REACHABLE DISTANCE (SUBJECT TO OSD APPROVAL)
- 300/375 U-CHANNEL AND CATCHPITS
- PILLAR BOX



LEGEND:

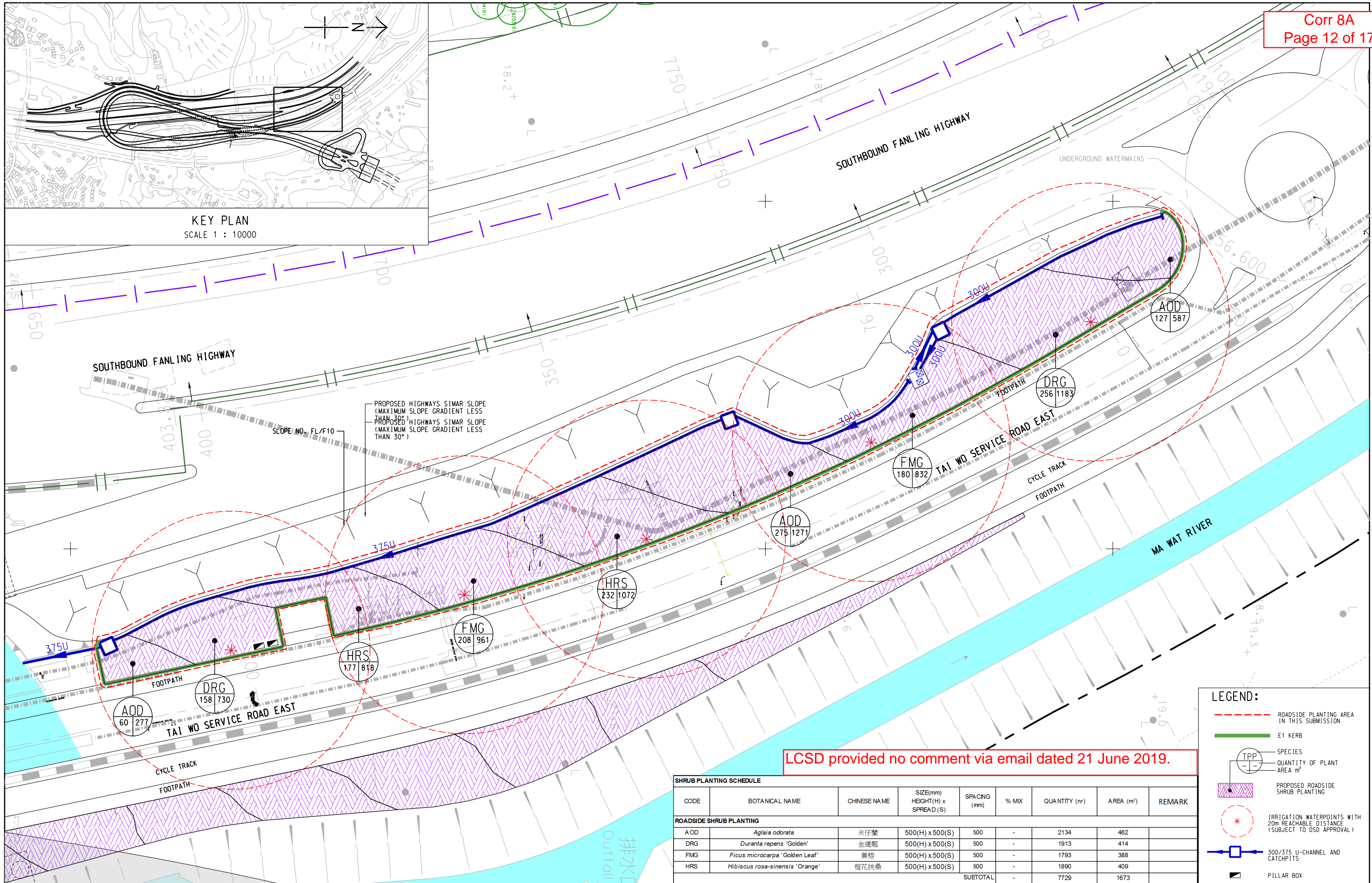
- ROADSIDE PLANTING AREA IN THIS SUBMISSION
- E1 KERB
- PROPOSED TREE PLANTING
- PROPOSED TREES PLANTING TO BE HANDED OVER TO HyD
- * IRRIGATION WATERPOINTS WITH 20m REACHABLE DISTANCE (SUBJECT TO WSD APPROVAL)

TREE PLANTING SCHEDULE						
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	QUANTITY (nr)	REMARK
TREE PLANTING						
PR	<i>Phoenix roebelenii</i>	日本葵	SMALL PALM 1500 TRUNK HEIGHT	3000	10	-
TOTAL					10	

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

TREE PLANTING PLAN - TAI WO SERVICE
ROAD EAST

SCALE	1:400 ON A3	DATE	27-JUNE-19		
CHECKED	TNTK	DRAWN	DY		
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2231	REV	-
DOCUMENT REFERENCE NO.					



LCSD provided no comment via email dated 21 June 2019.

SHRUB PLANTING SCHEDULE								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD (S)	SPACING (mm)	% MIX	QUANTITY (nr)	AREA (m²)	REMARK
ROADSIDE SHRUB PLANTING								
AOD	<i>Aglaia odorata</i>	米仔蘭	500(H) x 500(S)	500	-	2134	462	
DRG	<i>Duranta repens</i> 'Golden'	金蓮嬌	500(H) x 500(S)	500	-	1913	414	
FMG	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	500(H) x 500(S)	500	-	1793	388	
HRS	<i>Hibiscus rosa-sinensis</i> 'Orange'	榴花扶桑	500(H) x 500(S)	500	-	1890	409	
SUBTOTAL						7729	1673	

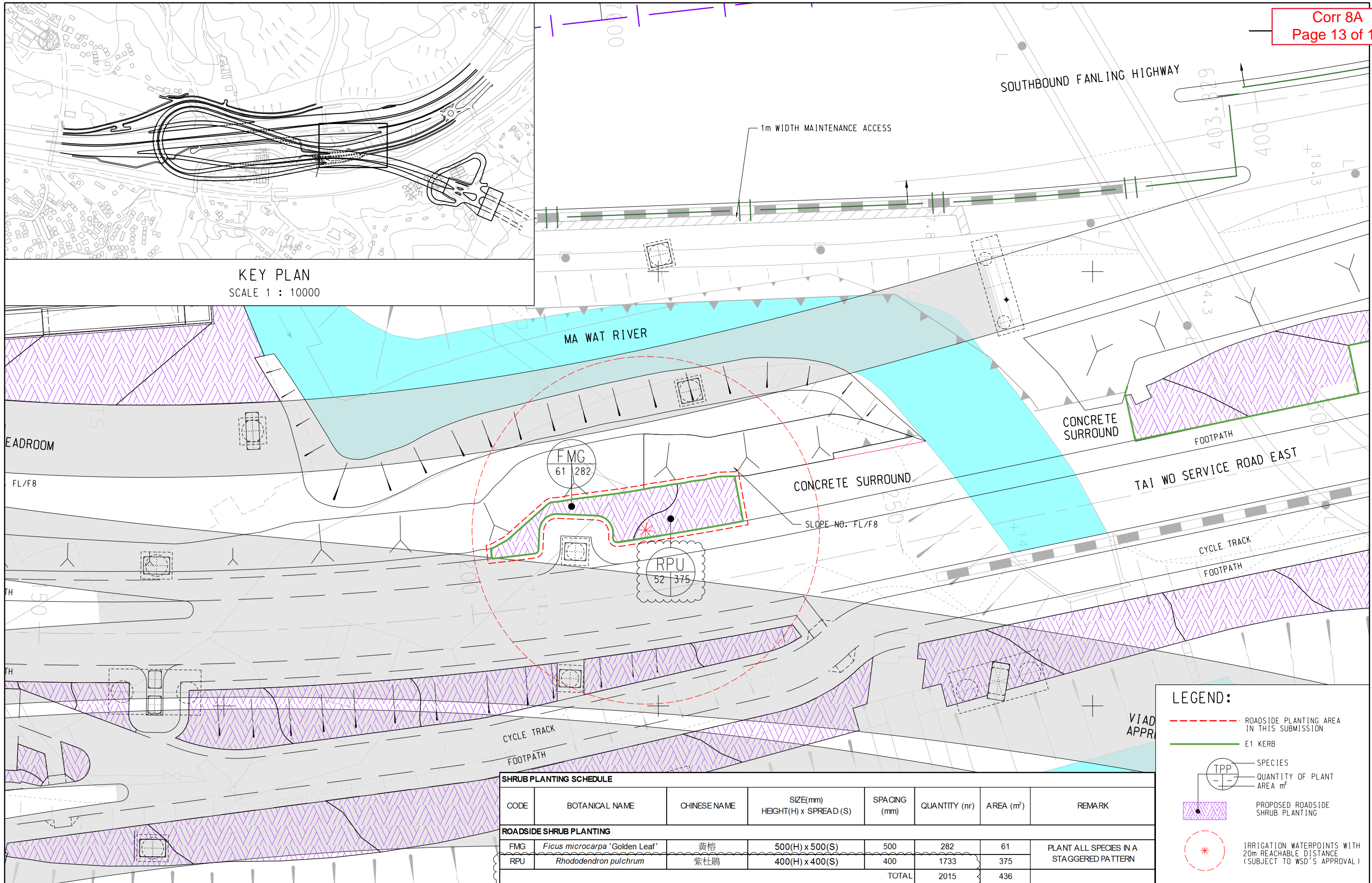
- LEGEND:
- ROADSIDE PLANTING AREA IN THIS SUBMISSION
 - E1 KERB
 - SPECIES
 - QUANTITY OF PLANT AREA m²
 - PROPOSED ROADSIDE SHRUB PLANTING
 - IRRIGATION WATERPOINTS WITH 20m REACHABLE DISTANCE (SUBJECT TO OSD APPROVAL)
 - 300/375 U-CHANNEL AND CATCHPITS
 - PILLAR BOX

AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

SHRUB PLANTING PLAN - TAI WO SERVICE ROAD EAST

SCALE	1:500 ON A3	DATE	3-JUN-19
CHECKED	TNTK	DRAWN	IFPY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2199
DOCUMENT REFERENCE NO.		REV	-



AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

SHRUB PLANTING PLAN - TAI WO SERVICE ROAD EAST

SCALE	1:400 ON A3	DATE	8-JULY-19
CHECKED	TNTK	DRAWN	DY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/2232
DOCUMENT REFERENCE NO.		REV	A

Encl. C

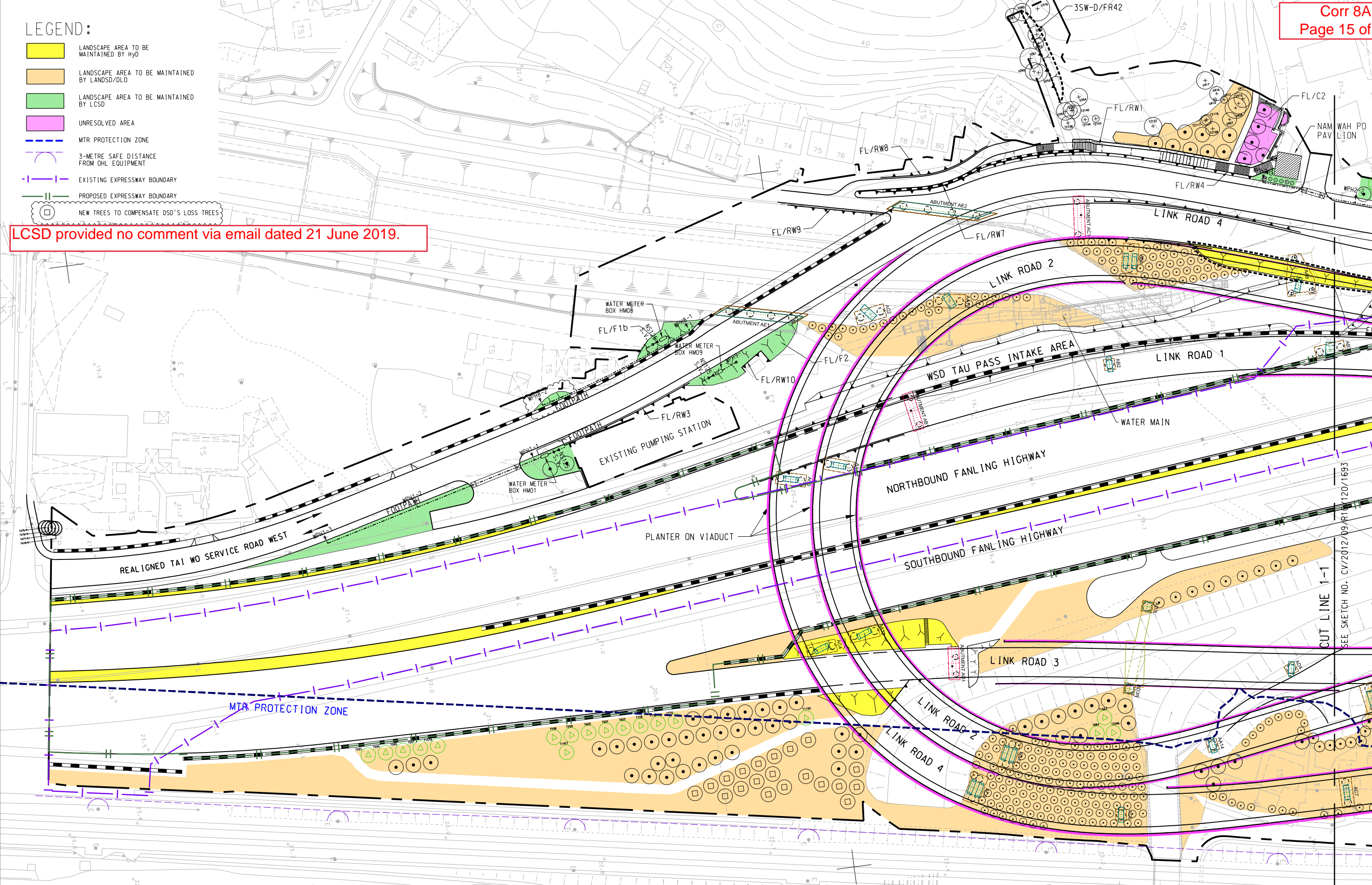
Proposed Maintenance Demarcation Plans for Soft Landscape Works

	DRAWING TITLE	DRAWING NUMBER	REV	REMARKS
DEMARICATION PLANS				
1	PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 1 OF 3)	CV/2012/09/R10/120/1692	G	LCSD provided no comment via email on 21 June 2019.
2	PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 2 OF 3)	CV/2012/09/R10/120/1693	K	
3	PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 3 OF 3)	CV/2012/09/R10/120/1694	I	LCSD provided no comment via email on 21 June 2019.

(TOTAL : 3 SHEETS)

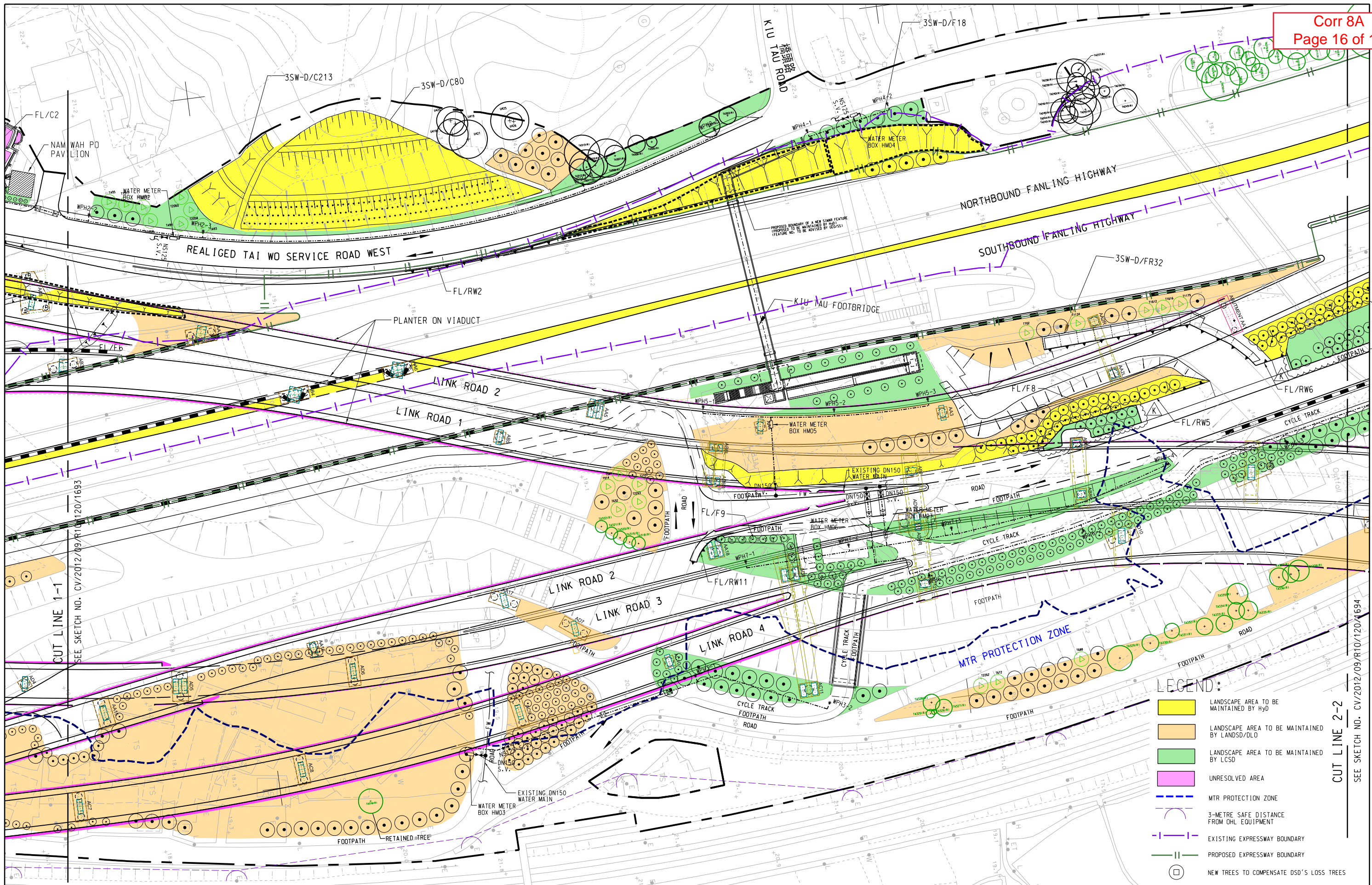
- LEGEND:
- LANDSCAPE AREA TO BE MAINTAINED BY HyD
 - LANDSCAPE AREA TO BE MAINTAINED BY LANDSD/DLO
 - LANDSCAPE AREA TO BE MAINTAINED BY LCSD
 - UNRESOLVED AREA
 - MTR PROTECTION ZONE
 - 3-METRE SAFE DISTANCE FROM OHL EQUIPMENT
 - EXISTING EXPRESSWAY BOUNDARY
 - PROPOSED EXPRESSWAY BOUNDARY
 - NEW TREES TO COMPENSATE DSD'S LOSS TREES

LCSD provided no comment via email dated 21 June 2019.



CUT LINE 1-1
SEE SKETCH NO. CV/2012/09/R10/120/1693

	CONTRACT NO. CV/2012/09 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 3		PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS (SHEET 1 OF 3)		SCALE	1:1000 ON A3	DATE	30-NOV-18
					CHECKED	VLWK	DRAWN	MCSM
					JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1692
					DOCUMENT REFERENCE NO.		REV	G



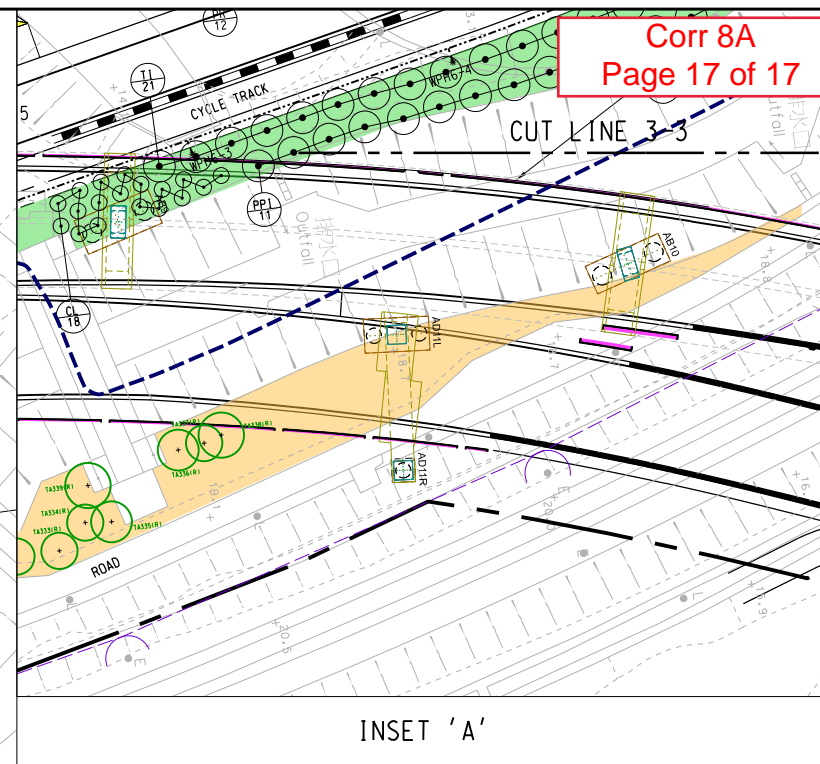
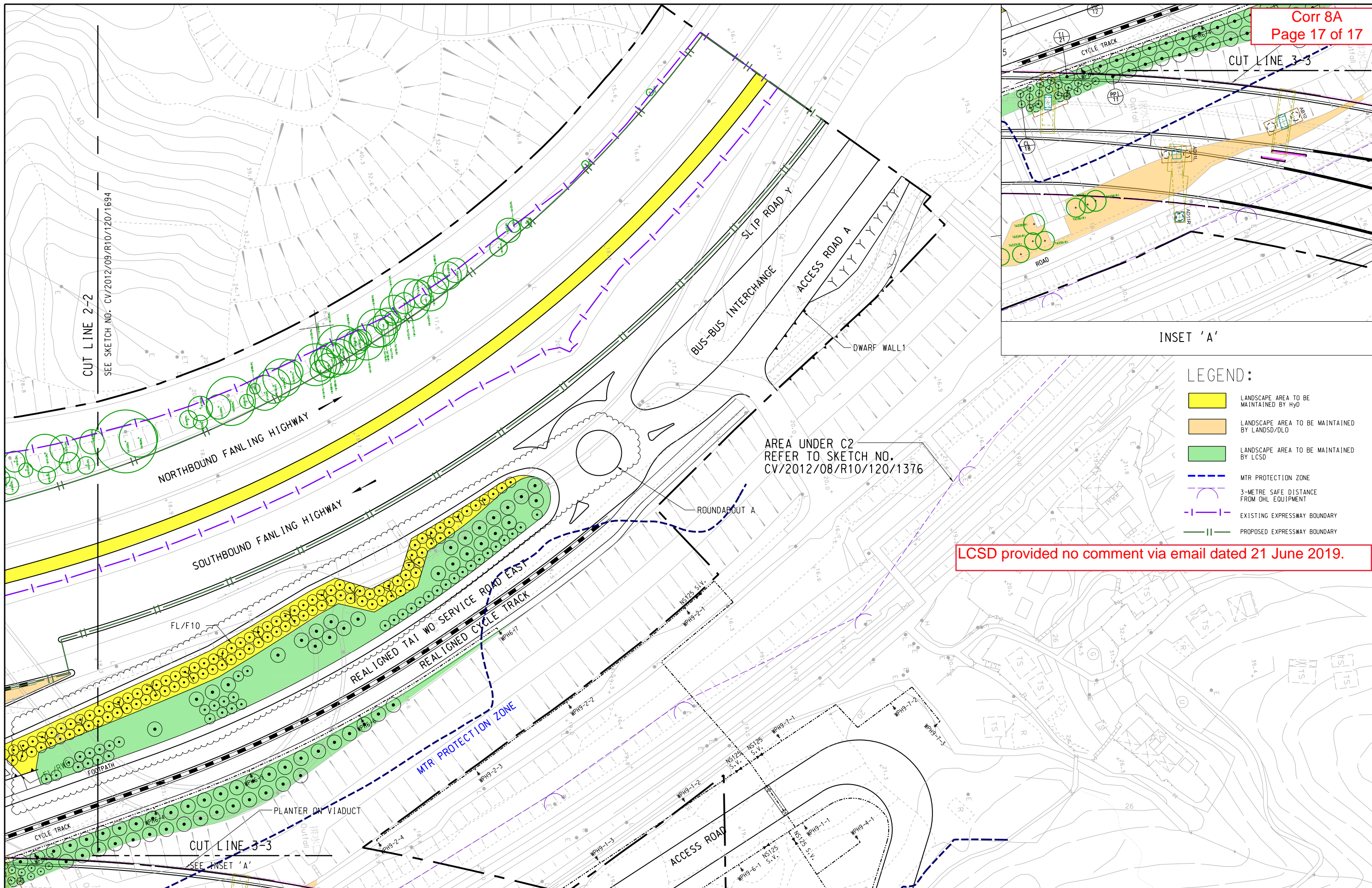
AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

PROPOSED MAINTENANCE DEMARCATION PLAN FOR SOFT LANDSCAPE WORKS

(SHEET 2 OF 3)

SCALE	1:1000 ON A3	DATE	28-JUN-19
CHECKED	TNTK	DRAWN	IFPY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1693
DOCUMENT REFERENCE NO.		REV	K



LEGEND:

- LANDSCAPE AREA TO BE MAINTAINED BY HYD
- LANDSCAPE AREA TO BE MAINTAINED BY LANDSD/DLO
- LANDSCAPE AREA TO BE MAINTAINED BY LCSD
- MTR PROTECTION ZONE
- 3-METRE SAFE DISTANCE FROM OHL EQUIPMENT
- EXISTING EXPRESSWAY BOUNDARY
- PROPOSED EXPRESSWAY BOUNDARY

LCSD provided no comment via email dated 21 June 2019.

AECOM

CONTRACT NO. CV/2012/09
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 3

PROPOSED MAINTENANCE DEMARCATION PLAN
FOR SOFT LANDSCAPE WORKS

(SHEET 3 OF 3)

SCALE	1:1000 ON A3	DATE	3-JUN-19
CHECKED	TNTK	DRAWN	IFPY
JOB NO.	60212563/C3	SKETCH NO.	CV/2012/09/R10/120/1694
DOCUMENT REFERENCE NO.		REV	I

LEE Pui Shan

From: WOO Man Chi, Manchi
Sent: Thursday, 24 October 2019 1:53 PM
To: LEE Pui Shan
Subject: FW: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)
Attachments: additional planting areas agreed on site (LCSD confirmed as highlighted Yellow).pdf

Dear Shan,

For incoming register.

Regards,
Manchi

From: LEUNG Siu Yin, Carol
Sent: Thursday, 24 October 2019 1:50 PM
To: WOO Man Chi, Manchi <manchi.woo@lt-aecom.com>; MA Chi Fai, Rita <rita.ma@lt-aecom.com>
Subject: FW: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)

Dear GOs,
Please register the email under C2 and C6

Thanks!
Carol
21713405/63215017

From: Karen KC NG [mailto:kkcng@lcsd.gov.hk]
Sent: Thursday, October 24, 2019 12:59 PM
To: WONG Tin Lok, Clement; LEUNG Siu Yin, Carol
Cc: Susana SL TAI YIP; Ray YW CHENG; Kay HK TSANG; Anita SUNG; Sau Han LAM; Elsa C TSENG
Subject: Liantang/Heung Yuen Wai Boundary Control Point - CV/2012/08 (Contract 2) & CV/2013/08 (Contract 6)

Dear Carol and Clement,

I refer to our joint site inspection on 10 September, 9 October 2019 and your email below, please note that we are agreed in-principle to take up the vegetation maintenance of the additional planting areas (approx. 3,705m²) as highlighted in light blue as per the sketches via your email of 10 October 2019 17:19 & 17:23PM (i.e. CV/2012/08/R10/120/1394, CV/2013/08/SK1948F, CV/2013/08/SK1952D & CV/2013/08/SK1953C as reproduced below) on the following conditions:

- the planting areas should be located along non-expressway public roads maintained by the HyD in accordance with item 6(ii) of DEVB TCW No. 6/2015; LCSD would not take up those landscaped areas fall within village environs and those along village access road/footpath not maintained by HyD;
- the planting areas should be provided with water points with maintenance works agent identified for LCSD as well as proper access, lay-by and safe working conditions for LCSD's maintenance crew;
- the planting areas should be clearly delineated with clear demarcation by installation of kerb/fencing and LCSD is not responsible for these hard landscape features;
- the new trees to be planted on these additional planting areas should be agreed by our Regional Tree Team;

- CEDD should provide sufficient amount of recurrent cost and to seek Financial Services and Treasury Bureau approval on it for inclusion in the Public Works Subcommittee paper; and
- LCSD reserves the right to provide further comment on the planting proposal and relevant drawings.

Regarding the remaining proposed planting areas of UUGLs (approx. 10,984m²) including the areas adjacent to Administration Building (as shaded in RED and Green in sketches CV/2012/08/R10/120/1394) and those planting areas where are found obvious level difference between the planting areas and the adjacent public roads/footpath considering of low amenity value to the public, situated behind HyD's slopes and along footpath within village environs, it is regret to inform you that LCSD would not take up the maintenance responsibility of the vegetation therein after having taken into account the above and prior agreeable planting areas (approx. 19,142m²) as well as the additional planting areas (approx. 3,705m²) to be taken up.

For the proposed planting areas near Sewage Treatment Plant (i.e. CV/2013/08/SK2557 and site photo below), it appears that it is the access for personnel of the Sewage Treatment Plant where is located in close proximity to the restricted area of the Boundary Control Point, we consider that there has no amenity value to the public and landscape enhancement work and the subsequent maintenance to be handed over to LCSD is not necessary.



If you have any questions, please feel free to contact me or Mr Ray CHENG.

Regards,
Karen KC NG
DDL(N)2/LCSD
Tel: 2679 2833

----- Forwarded by Karen KC NG/LCSD/HKSARG on 18/10/2019 15:18 -----

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: "Karen KC NG (kkcng@lcsd.gov.hk)" <kkcng@lcsd.gov.hk>
Cc: "Ray HK TSANG (khktsang@lcsd.gov.hk)" <khktsang@lcsd.gov.hk>, "Ray YW CHENG (rywcheng@lcsd.gov.hk)" <rywcheng@lcsd.gov.hk>, "Lo Chi Fai, Steve" <stevelo@cadd.gov.hk>, "Lam Shu, Albert" <albertlam@cadd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twigg" <twiggv.ngo@lt-aecom.com>, "LAM Wing Ki, Vicky" <vicky.lam@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "TAM Tsz Him, Ray" <ray.tam@lt-aecom.com>, "sauhanlam@lcsd.gov.hk" <sauhanlam@lcsd.gov.hk>, "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>
Date: 11/10/2019 14:15
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Supplementary Information)

Dear Ms. Ng,

Further to our email below, please find the breakdown for the plantings already agreed in previous submissions as illustrated in the table below. Please also find the attached (a) your latest comments on 'Soft Landscape Works Proposal' (Attachment a1.pdf) and 'Additional Landscaped Areas' (Attachment a2.pdf); and (b) supplementary drawings showing the plantings to be maintained by LCSD (Attachment b.pdf) for your reference.

Proposed to be Maintained by LCSD*	New Trees (nr.) ^A	New Shrubs/Groundcovers	
		Quantity (nr.)	Planting areas (sq.m)
Already agreed in previous submissions (clouded in green)	553	approx. 174,835	approx. 19,142
a) Soft Landscape Works Proposals	299	approx. 91,926	approx. 9,872
b) Additional Landscaped Areas	254	Approx. 82,909	approx. 9,270
Additional planting areas agreed on site for this submission (highlighted in light blue)	110	approx. 21,104	approx. 3,705
Total	663	195,939	22,847
Pending further advice (highlighted in crimson)	132	approx. 32,715	approx. 3,390
Additional planting areas declined by LCSD (highlighted in light green)	189	approx. 69,332	approx. 7,594
Remarks: *excluding new trees and planting areas along realigned Lin Ma Hang Road and at Chuk Yuen Village Resite Area. ^A excluding retained and transplanted trees			

Besides, please note that we have submitted our 2nd Response to Comments on Soft Landscape Works Proposal via the letter ref. PWKL:cfwl:60212563/C6/C55/200-2019004976W dated 4 June 2019 (Attachment c.pdf-annexes are excluded) but we have not received any feedback from LCSD. We would be grateful if you would also reply to this letter at your earliest convenience.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Thursday, October 10, 2019 5:25 PM
To: Karen KC NG (kkng@lcsd.gov.hk)
Cc: Kay HK TSANG (khktsang@lcsd.gov.hk); Ray YW CHENG (rywcheng@lcsd.gov.hk); Lo Chi Fai, Steve (stevelo@cedd.gov.hk); Lam Shu, Albert (albertlam@cedd.gov.hk); LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com); TAM Tsz Him, Ray; 'sauhanlam@lcsd.gov.hk'; Angel LAU (angellau@lcsd.gov.hk)
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 2/2)

Dear Ms. Ng,

Further to our email below, please find part 2 of the drawings in the attachment for your perusal.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: WONG Tin Lok, Clement
Sent: Thursday, October 10, 2019 5:19 PM
To: Karen KC NG (kkng@lcsd.gov.hk)
Cc: Kay HK TSANG (khktsang@lcsd.gov.hk); Ray YW CHENG (rywcheng@lcsd.gov.hk); Lo Chi Fai, Steve (stevelo@cedd.gov.hk); Lam Shu, Albert (albertlam@cedd.gov.hk); LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; SZE Siu Ching, Sandy (sandy.sze@lt-aecom.com); TAM Tsz Him, Ray; 'sauhanlam@lcsd.gov.hk'; Angel LAU (angellau@lcsd.gov.hk)
Subject: RE: Joint Site Inspection on 9 October 2019-Additional Planting Areas Proposed to be Maintained by LCSD/NDLSO (Part 1/2)

Dear Ms. Ng,

Thank you for joining the site inspection on 9 October 2019 for the additional planting areas proposed to be maintained by LCSD (**clouded** in **mustard**). Please find the following salient points and a set of drawings (**to be sent in 2 separate emails**) for your review:-

- LCSD/NDLSO agreed to take up the maintenance of certain additional planting areas, where are **highlighted** in light blue.
- LCSD/NDLSO would reconsider taking up the maintenance responsibility of vegetation on UUGLs adjacent to Administration Building and near Nga Yiu Ha (see **highlighted** in crimson).
- LCSD/NDLSO reiterated all planting area handed over to LCSD, shall meet the following criteria:-
 - the planting areas would be "landscaped" in accordance with item 6(vii) of DEVB TCW No. 6/2015.
 - water points would be provided and properly maintained by a maintenance agent other than LCSD; and
 - the planting areas would be clearly delineated.
- LCSD/NDLSO also pointed out that they would **not** take up the maintenance responsibility of the shrubs in some controversial planting areas (see **highlighted** in light green); typical cases include:-
 - where there is significant level difference between the planting areas and the adjacent footpath, inducing low/nil amenity value to the public;
 - planting areas behind HyD slopes; and
 - planting areas along footpath within village environs.
- LCSD/NDLSO opined that these UUGLs should be maintained by LandsD after reinstatement. The unresolved maintenance responsibility of such areas (including trees and shrubs) shall be further discussed with LandsD in due course.
- Trees and planting areas proposed to be maintained by LCSD are summarized as follows

Proposed to be Maintained by LCSD*	New Trees (nr.)^	Planting areas (sq.m)
Already agreed in previous submissions (clouded in green)	550	approx. 149,216
Additional planting areas agreed on site for this submission (highlighted in light blue)	110	approx. 3,705
Total	660	152,921
Pending further advice (highlighted in crimson)	132	3,390
Additional planting areas declined by LCSD (highlighted in light green)	189	7,594
Remarks: *excluding new trees and planting areas along realigned Lin Ma Hang Road and at Chuk Yuen Village Resite Area. ^excluding retained and transplanted trees		

Due to the tight programme of this Project, your reply by 18 October 2019 is highly appreciated. Should you require further information, please feel free to contact our Senior Landscape Architect, Ms. Carol Leung, at 2171 3405 or Field Officer I, Mr. Clement Wong at 2171 3437.

Best Regards,

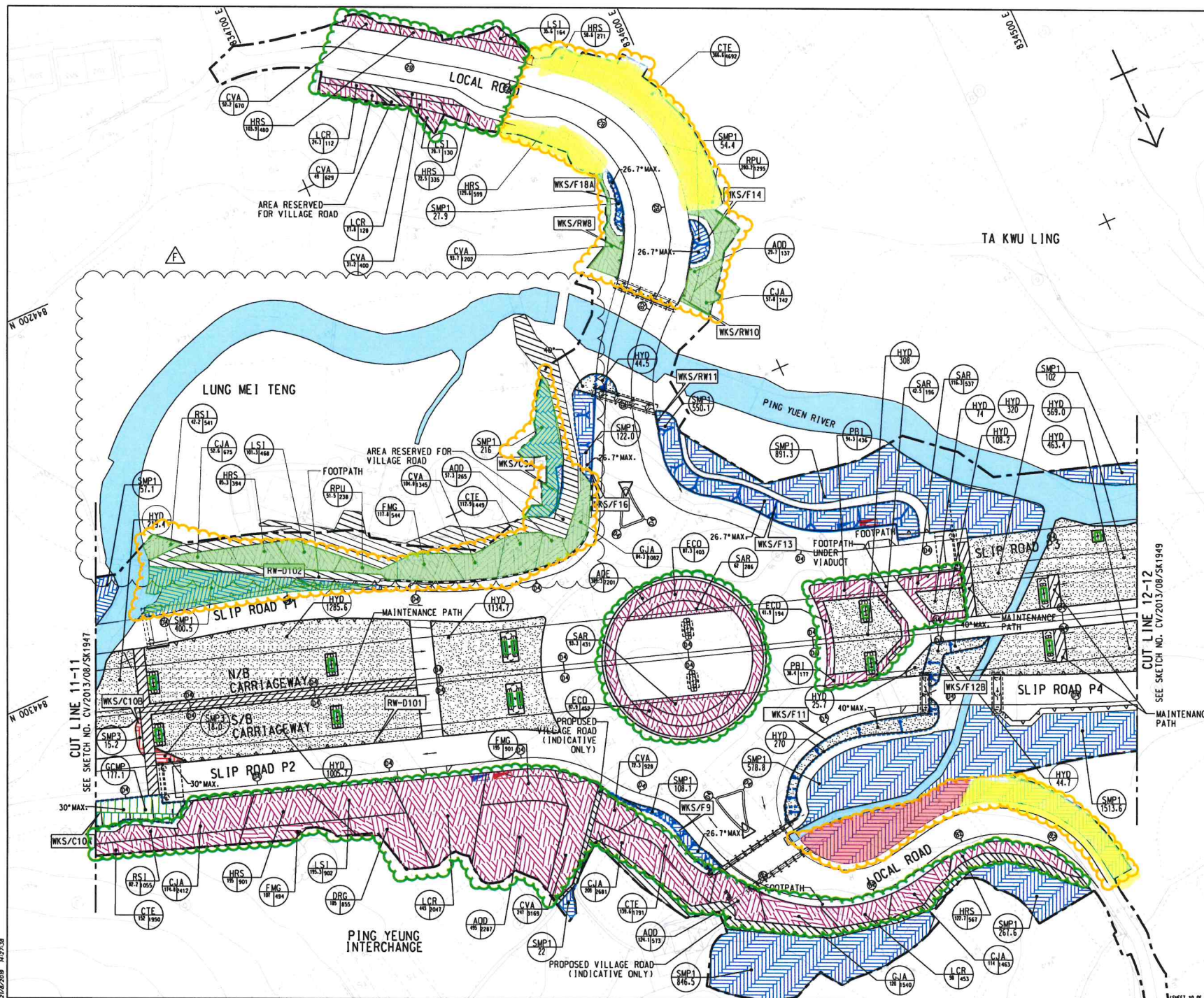
Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

[attachment "Attachment c.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment a1.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment a2.pdf" deleted by Karen KC NG/LCSD/HKSARG] [attachment "Attachment b.pdf" deleted by Karen KC NG/LCSD/HKSARG]

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NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1915.

 Proposed landscaped areas to be maintained by LCSD/NDLSO

 Landscaped areas agreed to be maintained by LCSD/NDLSO

 Landscaped areas agreed to be maintained by LCSD/NDLSO

 LCSD/NDLSO would further advise their opinion on the maintenance responsibility

 LCSD/NDLSO declined to take up the maintenance responsibility

 Demarcation line (10m from the road kerb) - indicative only

REFERENCE:

Rev.	Date	Description	Drawn	Prepared	Checked
F	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
E	10/01/19	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
D	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
C	22/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	10/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	16/01/19	ISSUE FOR CONSTRUCTION	JW	BWMS	CLSY
-	10/01/19	ISSUE FOR CONSTRUCTION	JW	BWMS	HLHS

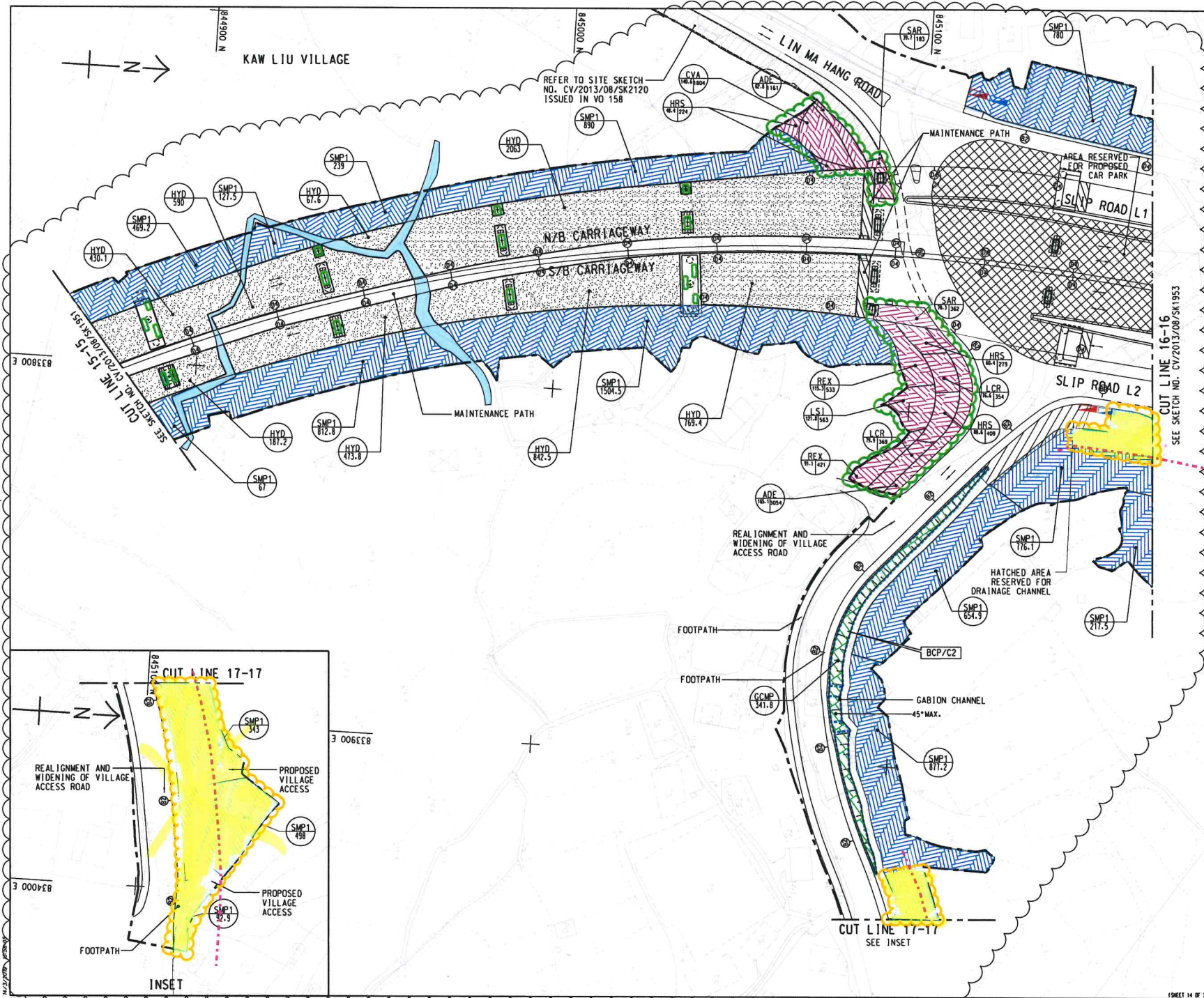
AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HUING YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE:
SHRUB PLANTING PLAN

SKETCH NO. CV/2013/08/SK1948F

SCALE
1:1000 (A3)



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1915.

- Proposed landscaped areas to be maintained by LCSD/NDLSO
- Landscaped areas agreed to be maintained by LCSD/NDLSO
- Landscaped areas agreed to be maintained by LCSD/NDLSO
- Demarcation line (10m from the road kerb) -indicative only

REFERENCE:

D	10/01/19	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
C	22/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
B	20/02/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
A	15/01/19	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
-	15/06/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS

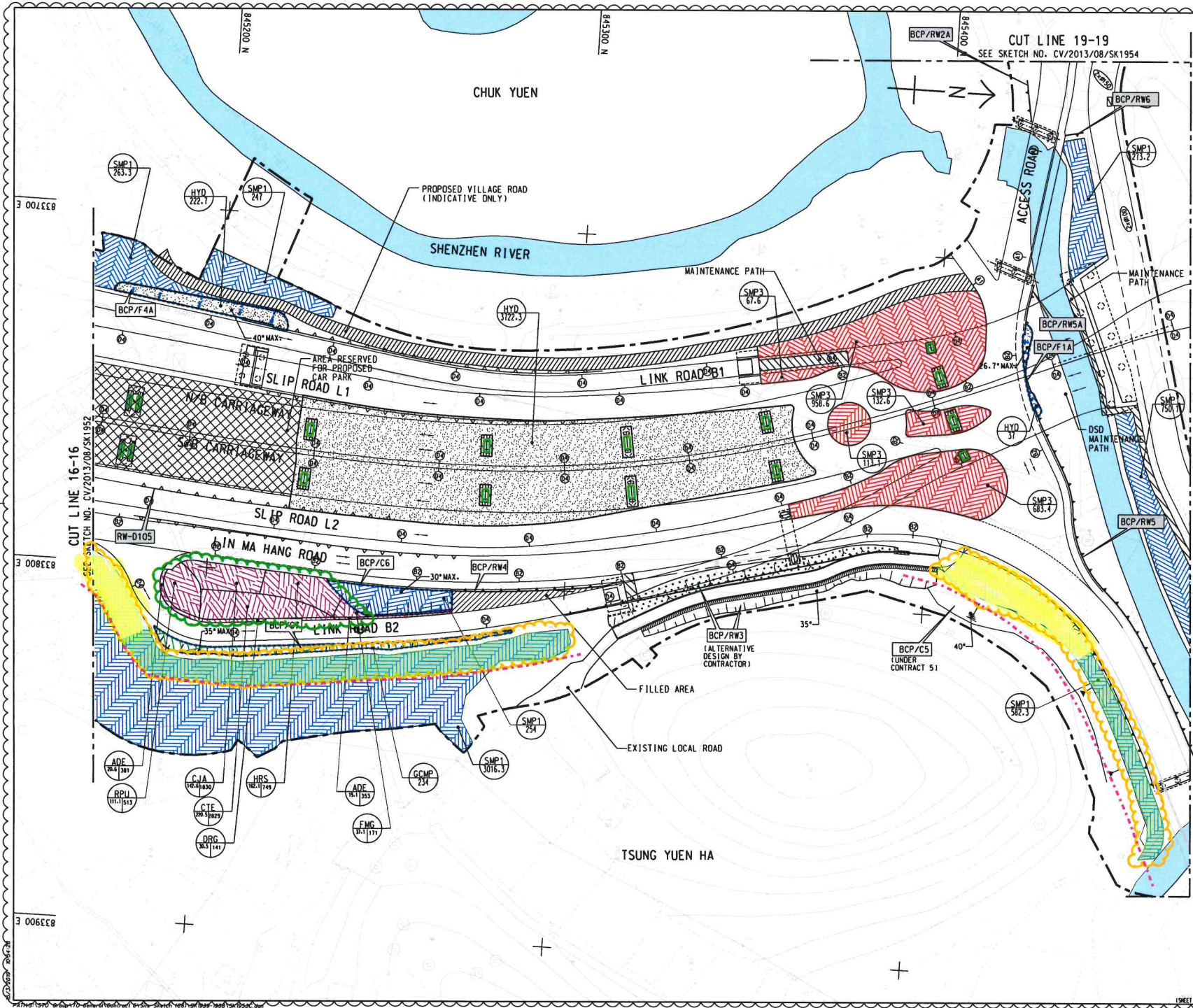
Rev.	Date	Description	Drawn	Prepared	Checked
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AECOM

CDD CONTRACT NO. CV/2013/08
LIANTANG/HUENG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6

TITLE: SHRUB PLANTING PLAN

SKETCH NO. CV/2013/08/SK19520 SCALE 1:1000 (A3)



- NOTE:
1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2013/08/SK1954.
- Proposed landscaped areas to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - Landscaped areas agreed to be maintained by LCSD/NDLSO
 - LCSD/NDLSO declined to take up the maintenance responsibility
 - Demarcation line (10m from the road kerb) - indicative only

REFERENCE:

C	16/12/18	ISSUE FOR CONSTRUCTION	LCP	TNTK	CLSY
B	16/12/18	ISSUE FOR CONSTRUCTION	JW	TNTK	CLSY
A	16/12/18	ISSUE FOR CONSTRUCTION	JW	BNWS	CLSY
-	16/12/18	ISSUE FOR CONSTRUCTION	JW	BNWS	HLHS

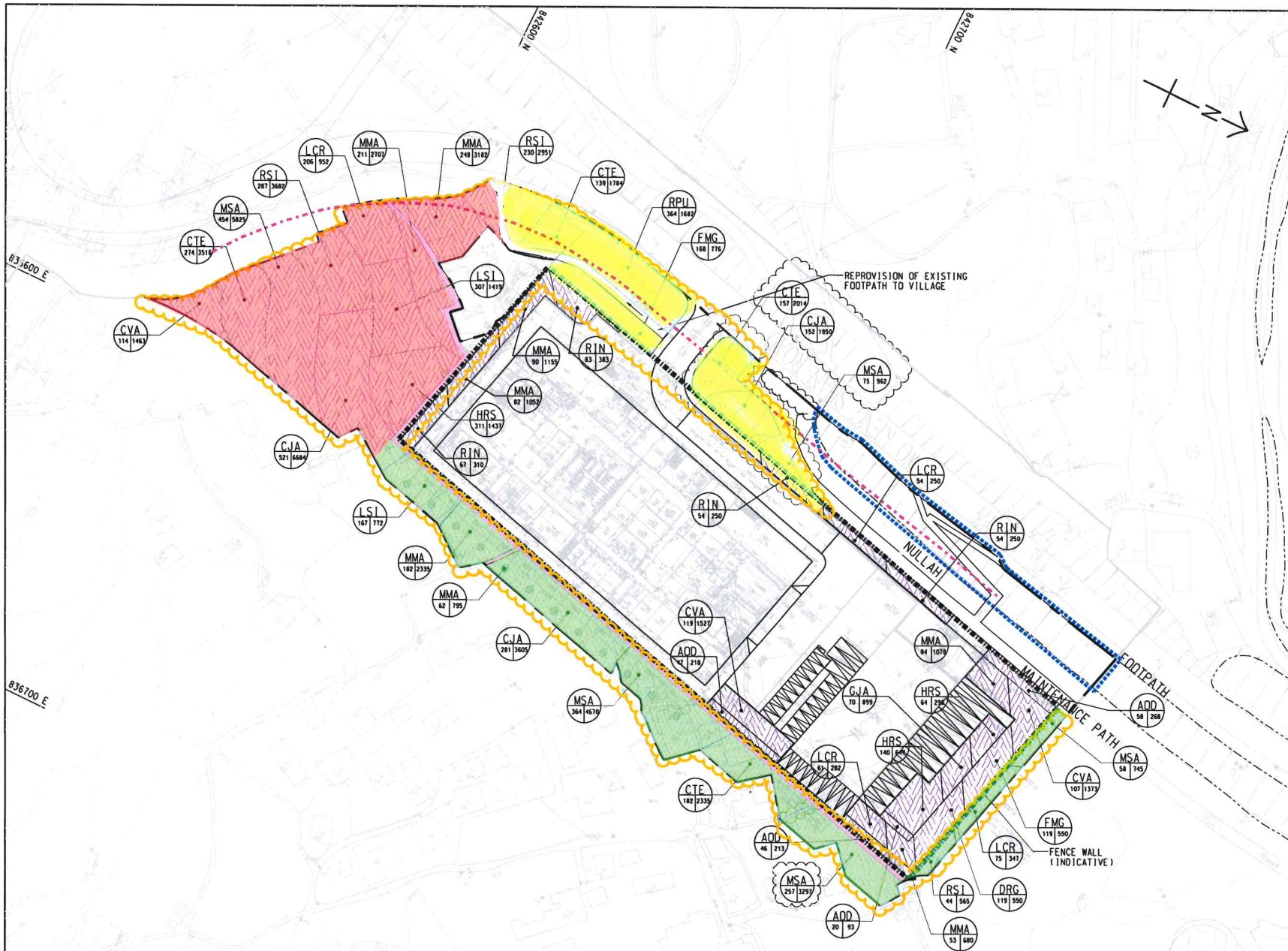
Rev.	Date	Description	Drawn	Prepared	Checked
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AECOM

CEED CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
SHRUB PLANTING PLAN

SKETCH NO. CV/2013/08/SK1953C SCALE 1:1000 (A3)



NOTE:

1. FOR NOTE AND LEGEND REFER TO SKETCH NO. CV/2012/08/R10/120/1314.

- Additional areas proposed to be maintained by LCSD/NDLSO
- Landscaped areas agreed to be maintained by LCSD/NDLSO
- LCSD/NDLSO would further advise their opinion on the maintenance responsibility
- LCSD/NDLSO declined to take up the maintenance responsibility
- Demarcation line (10m from the road kerb) -indicative only

* THIS SITE SKETCH SUPERSEDED WORKING DRAWING NO. 60212563/C2/L00/1767B.

AECOM

CONTRACT NO. CV/2012/08
LIANTANG/HEUNG YUEN WAI
BOUNDARY CONTROL POINT
SITE FORMATION AND
INFRASTRUCTURE WORKS
- CONTRACT 2

SHRUB PLANTING PLAN (SHEET 5 OF 6)
- ADMINISTRATION BUILDING

SCALE	1:1000 ON A3	DATE	20-JUN-19
CHECKED	VL WK	DRAWN	CYK
JOB NO.	60212563/C2	SKETCH NO.	CV/2012/08/R10/120/1394
DOCUMENT REFERENCE NO.		REV	D

LEE Pui Shan

From: Sau Han LAM <sauganlam@lcsd.gov.hk>
Sent: Tuesday, 5 May 2020 4:10 PM
To: WONG Tin Lok, Clement
Cc: Lam Shu, Albert; Angel LAU (angellau@lcsd.gov.hk); 'asung@lcsd.gov.hk'; LEUNG Siu Yin, Carol; YUE Chung Man, Louis; mkyim@cedd.gov.hk; TAM Tsz Him, Ray; SZE Siu Ching, Sandy; Lo Chi Fai, Steve; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; WONG Wai Ting, Wen; Chui Ping TANG; YW CHEUK; Jacky KL CHAN
Subject: RE: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads
Attachments: Tree Planting Plans.pdf

Dear Clement,

I refer to your email below.

We have no additional comments on your notes of meeting as enclosed at your email dated 29.4.2020. LCSD agreed to take up maintenance of 73 trees in addition to 555 trees previously agreed (Para. 1(a)) and disagreed to take up maintenance of 32 trees without proper access to the trees and within the tunnel area (Para. 1(b)).

Please confirm whether you would be available to conduct joint site inspection on the newly planted trees with details below :

Date : 14.5.2020 (Thu)

Time : 10 a.m.

Gathering Point : To be confirmed

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

From: "WONG Tin Lok, Clement" <clement.wong@it-aecom.com>
To: "Sau Han LAM" <sauganlam@lcsd.gov.hk>
Cc: "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>; "asung@lcsd.gov.hk"; "LEUNG Siu Yin, Carol" <carol.leung@it-aecom.com>; "YUE Chung Man, Louis" <louis.yue@it-aecom.com>; "TAM Tsz Him, Ray" <ray.tam@it-aecom.com>; "SZE Siu Ching, Sandy" <sandy.sze@it-aecom.com>; "NGO Tsz Kei, Twiggy" <twiggy.ngo@it-aecom.com>; "LAM Wing Ki, Vicky" <vicky.lam@it-aecom.com>; "WONG Wai Ting, Wen" <wen.wong@it-aecom.com>; "Lo Chi Fai, Steve" <stevelo@cedd.gov.hk>; "Lam Shu, Albert" <albertlam@cedd.gov.hk>; "mkyim@cedd.gov.hk" <mkyim@cedd.gov.hk>
Date: 29/04/2020 09:20
Subject: RE: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads

Dear Ms. Lam,

Thank you for joining the site inspection among LCSD, CEDD and AECOM on 27 April 2020. The following salient points were recorded:-

1. Maintenance responsibility of trees

a) LCSD agreed to maintain 73nr new trees, in addition to those previously agreed (i.e. 555nrs), which were distributed in:

Works Area	Drawing no.	Qty. of new trees (nr)
Ping Yeung Interchange (PYI)	SK1570	17
Lin Ma Hang Road (LMHR)-near Chuk Yuen Village	SK1574	15
Lin Ma Hang Road (LMHR)-near Link Road B2	SK1575	41
Total:		73

Therefore, a total of 628nr (73+555) new trees under Contract 6 (Contract No. CV/2013/08) have been agreed to be maintained by LCSD.

b) LCSD declined to maintain a total of 32nr new trees, which were distributed in:

Works Area	Drawing no.	Qty. of new trees (nr)	Justification
Wo Keng Shan Road-near Bridge B	SK1565	9	The trees do not adjoin the public road (Wo Keng Shan Road) but they are separated by a HyD slope no. 3NW-D/C5
Ping Yeung Interchange (PYI)	SK1570	6	The trees are bounded by a road within the 'Tunnel Area' and a footpath maintained by HAD; which are <u>not</u> a public road as defined in TCW No. 6/2015
Lin Ma Hang Road (LMHR)-near Tsung Yuen Ha	SK1575	17	Level difference and lack of proper access make it unfeasible for maintenance
Total:		32	

A full set of tree planting plans is attached for your reference. Please note that trees agreed to be maintained by LCSD are highlighted in green and trees inspected on 27 April 2020 are clouded in red.

2. Pre-handover inspection for commencement of establishment works

a) It was agreed that the newly planted trees would be inspected by works areas. Please find the proposed schedule below:

Works Area	Drawing no.	Qty. of new trees (nr)	Tentative Inspection Date
Sha Tau Kok Interchange (STKI)	SK1561	210	Early May 2020
Bridge B	SK1565-1566	67	Late May 2020
Ping Yeung Interchange (PYI)	SK1570	202	Mid-May 2020
Lin Ma Hang Road (LMHR)	SK1574-1575 & 2120	154	Late May 2020
Site Office	SK3379	16	October 2021 (by Term Contractor of CEDD)
Off-site Tree Planting in LCSD Venues	SK3387-3393, 3396, 3447-3453 & 3530 (<i>not attached in this email</i>)	141	Late May 2020
Total:		790	

The establishment period at each works area shall commence upon LCSD's satisfaction of the trees.

We look forward to hearing from you to confirm the aforesaid agreements.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Sau Han LAM [mailto:sauganlam@lcsd.gov.hk]
Sent: Thursday, April 23, 2020 5:11 PM
To: WONG Tin Lok, Clement
Cc: Angel LAU (angellau@lcsd.gov.hk); 'asung@lcsd.gov.hk'; LEUNG Siu Yin, Carol; YUE Chung Man, Louis; TAM Tsz Him, Ray; SZE Siu Ching, Sandy; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; WONG Wai Ting, Wen
Subject: Re: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads

Dear Clement,

I refer to your email below.

I would like to conduct joint site inspection with you on April 27 of the trees concerned after our site visit at Lin Ma Hang.

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

From: "WONG Tin Lok, Clement" <clement.wong@it-aecom.com>
To: "sauhanlam@lcsd.gov.hk" <sauganlam@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@it-aecom.com>; "NGO Tsz Kei, Twiggy" <twiggy.ngo@it-aecom.com>; "LAM Wing Ki, Vicky" <vicky.lam@it-aecom.com>; "YUE Chung Man, Louis" <louis.yue@it-aecom.com>; "WONG Wai Ting, Wen" <wen.wong@it-aecom.com>; "SZE Siu Ching, Sandy" <sandy.sze@it-aecom.com>; "TAM Tsz Him, Ray" <ray.tam@it-aecom.com>; "asung@lcsd.gov.hk" <asung@lcsd.gov.hk>; "Angel LAU (angellau@lcsd.gov.hk)" <angellau@lcsd.gov.hk>
Date: 22/04/2020 16:22
Subject: CV/2013/08 Liantang/Heung Yuen Wai-Revised Tree Removal Application (Rev.4)-Maintenance Responsibility of Trees within 10m from Kerb of Public Roads

Dear Ms. Lam,

Referring to DLO/N's comments on the maintenance responsibility of the vegetation (see **Attachment 1**), they reiterated in items 7, 8 and 9 that 'vegetation within 10m measured from kerb of public roads, which should be maintained by LCSD instead of LandsD (item 3(i), Appendix A of DEVB TC(W) No. 6/2015 refers'. Therefore, such trees (a total of 124nr new trees, 35nr retained trees and 33nr transplanted trees; clouded in **red** in **Attachment 2**) were proposed to be maintained by LCSD in the Revised TPRP (Rev.4), which was submitted to you on 31 March 2020. Since tree plantings were approved Landscape and Visual Mitigation Measures in the *Landscape Plan* as stipulated in Environmental Permit (EP), omission of tree planting was not feasible. We greatly appreciate it if you would reconsider taking up the maintenance responsibility of these trees on UUGL within 10m measured from kerb of public roads.

We would be most grateful if you would reply before 29 April 2020. Should you have any comment or require further information, please do not hesitate to contact me at 6321-5051, or my Senior Landscape Architect, Ms. Carol Leung, at 2171-3405.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

— — — — — SITE BOUNDARY
— — — — — UNDERGROUND SITE BOUNDARY

SK1561	—	TREE PLANTING SKETCH NO.
SK1939	—	SHRUB PLANTING SKETCH NO.

A	31/01/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
-	11/09/17	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE: KEY PLAN -
SHRUB & TREE PLANTING

SKETCH NO. CV/2013/08/SK1985A

SCALE
1-1000

NOTE:

1. FOR NOTES AND LEGENDS, REFER TO DRAWING NO. CV/2013/08/SK1915.

● Trees agreed to be maintained by LCSD

● Trees declined by LCSD

☒ Inspected on 27 April 2020



REFERENCE:

1. SUPERSEDE DRG NO. 60212563/C6/L00/1701B.

Rev.	Date	Description	Drawn	Prepared	Checked
I	03/04/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
H	23/03/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
G	08/01/20	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
F	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
E	16/05/19	ISSUE FOR CONSTRUCTION	LKK	TNTK	CLSY
D	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	28/06/18	ISSUE FOR CONSTRUCTION	JW	BWWS	CLSY
A	30/01/18	ISSUE FOR CONSTRUCTION	JW	BWWS	HLHS
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

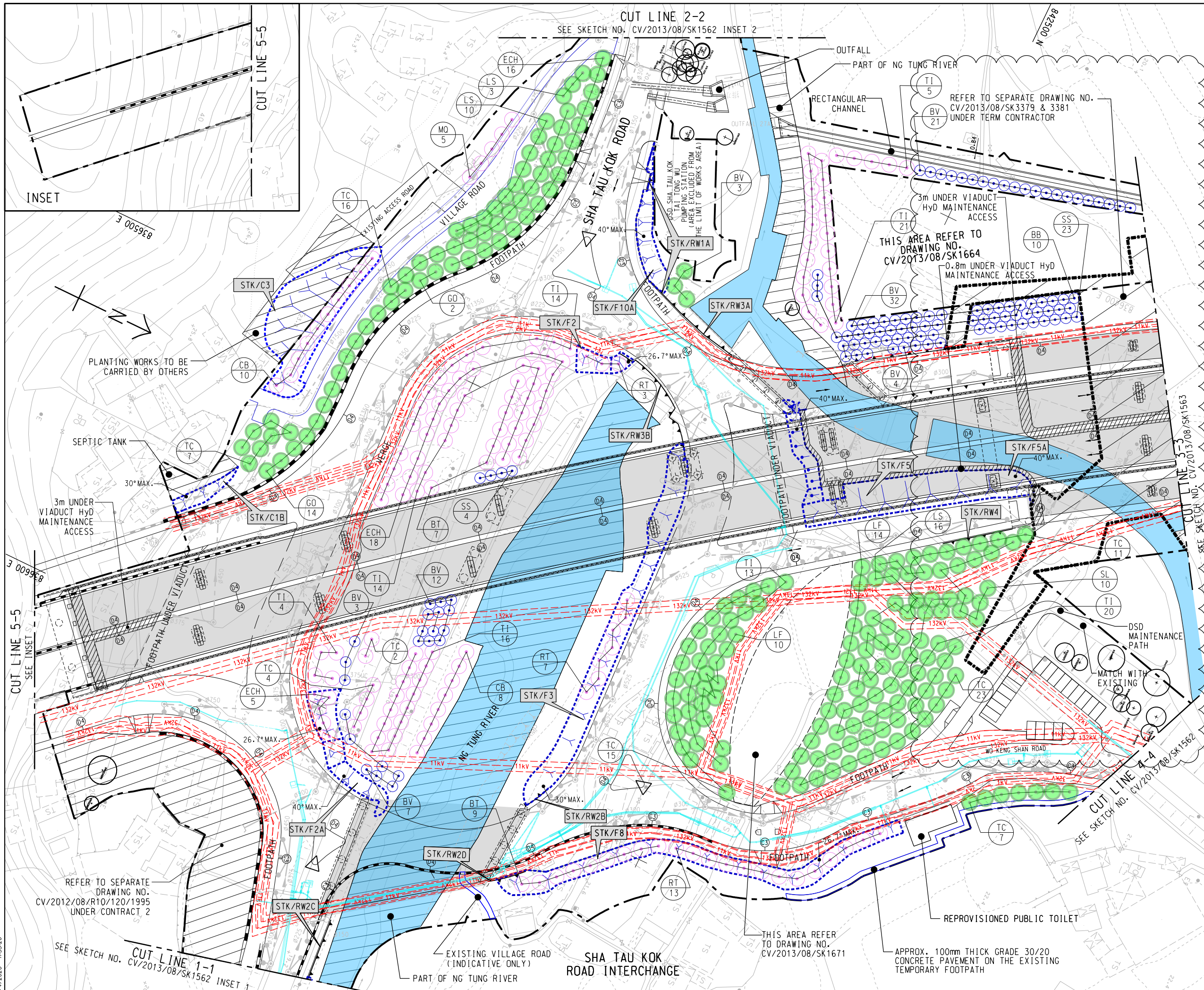
TITLE:

TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK15611

(SHEET 1 OF 20)

SCALE
1:1000 (A3)

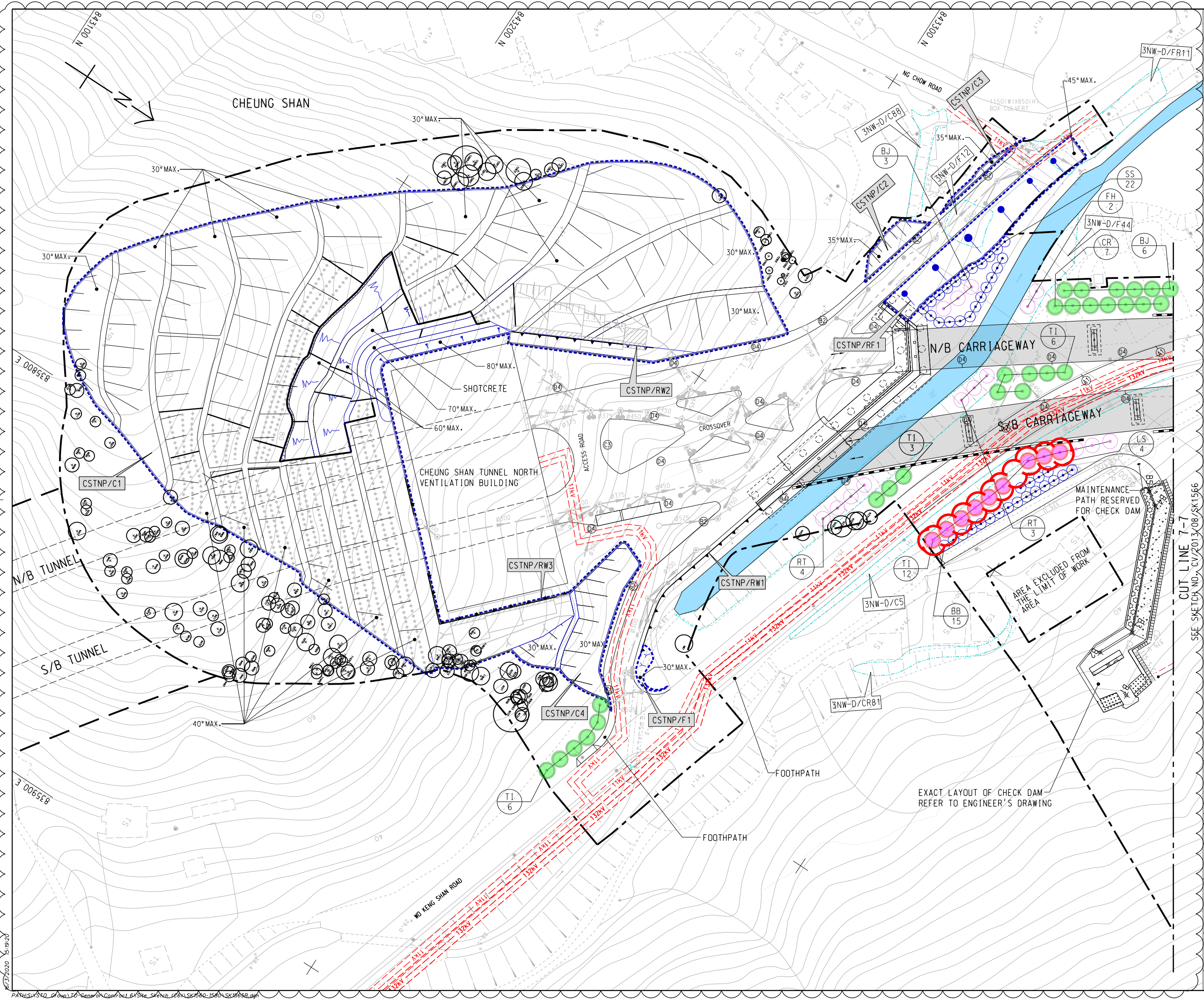


24/2020 11:55:26

PATHS\STO Group\TO-General\Contract 6\Site Sketch (C6)\SK1560-1580\SK15611.dgn

NOTE:

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO. CV/2013/08/SK1915.



B

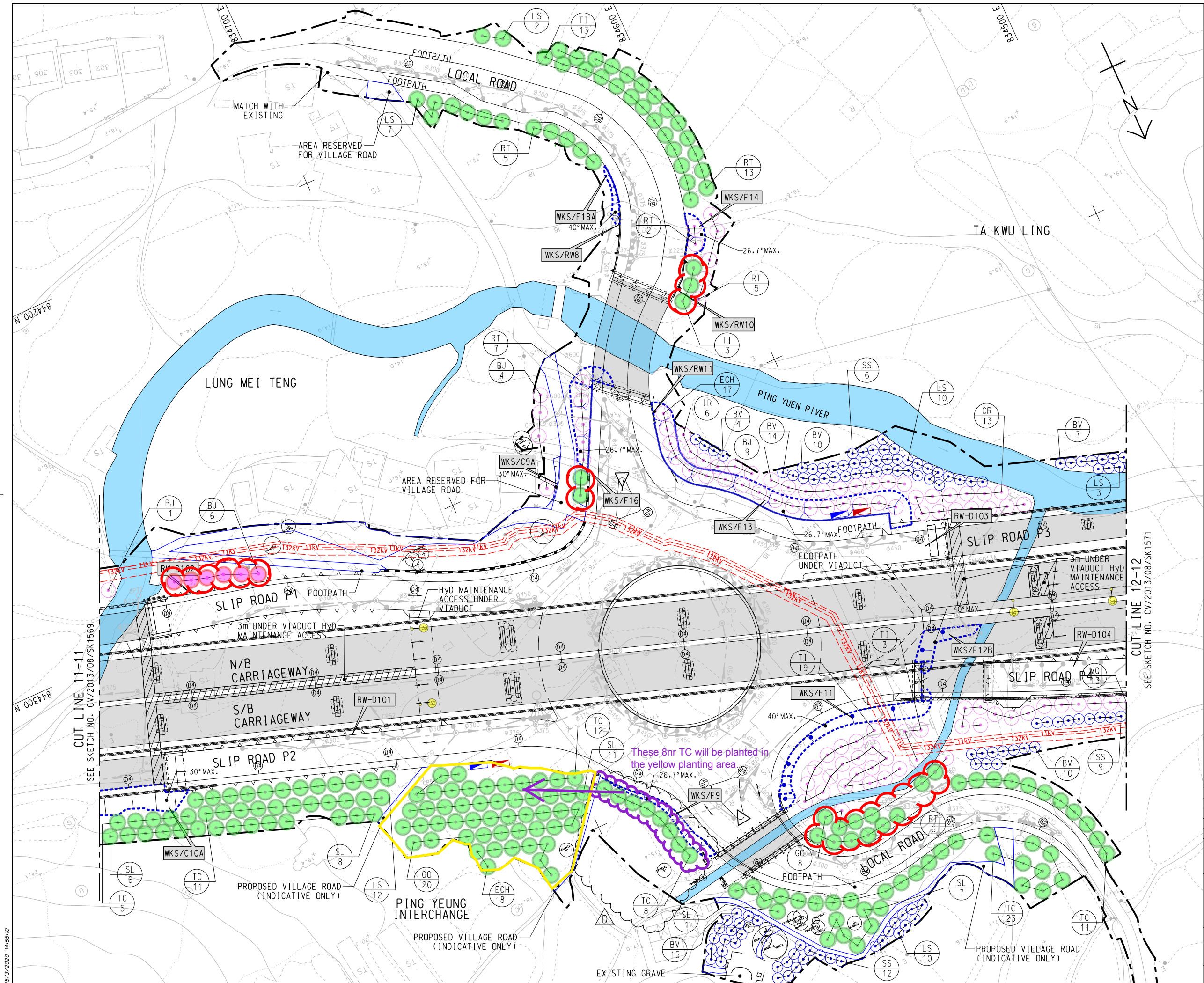
CUT LINE 7-7
SEE SKETCH NO. CV/2013/08/SK1566

REFERENCE:		1. SUPERSEDE DRG NO. 60212563/C6/L00/1705B.			
B	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	HLHS
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM					
CEDD CONTRACT NO. CV/2013/08 LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6					
TITLE: TREE PLANTING PLAN					
(SHEET 5 OF 20)					
SKETCH NO. CV/2013/08/SK1565B		SCALE 1:1000 (A3)			

6/3/2020 15:19:20

PATHS:\STO\Drawings\Contract\Site Sketch\CV/2013/08/SK1565B.dgn

NOTE:
1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



REFERENCE:
1. SUPERSEDE DRG NO. 60212563/C6/L00/1710A.

Rev.	Date	Description	Drawn	Prepared	Checked
D	25/03/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
-	04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS

AECOM

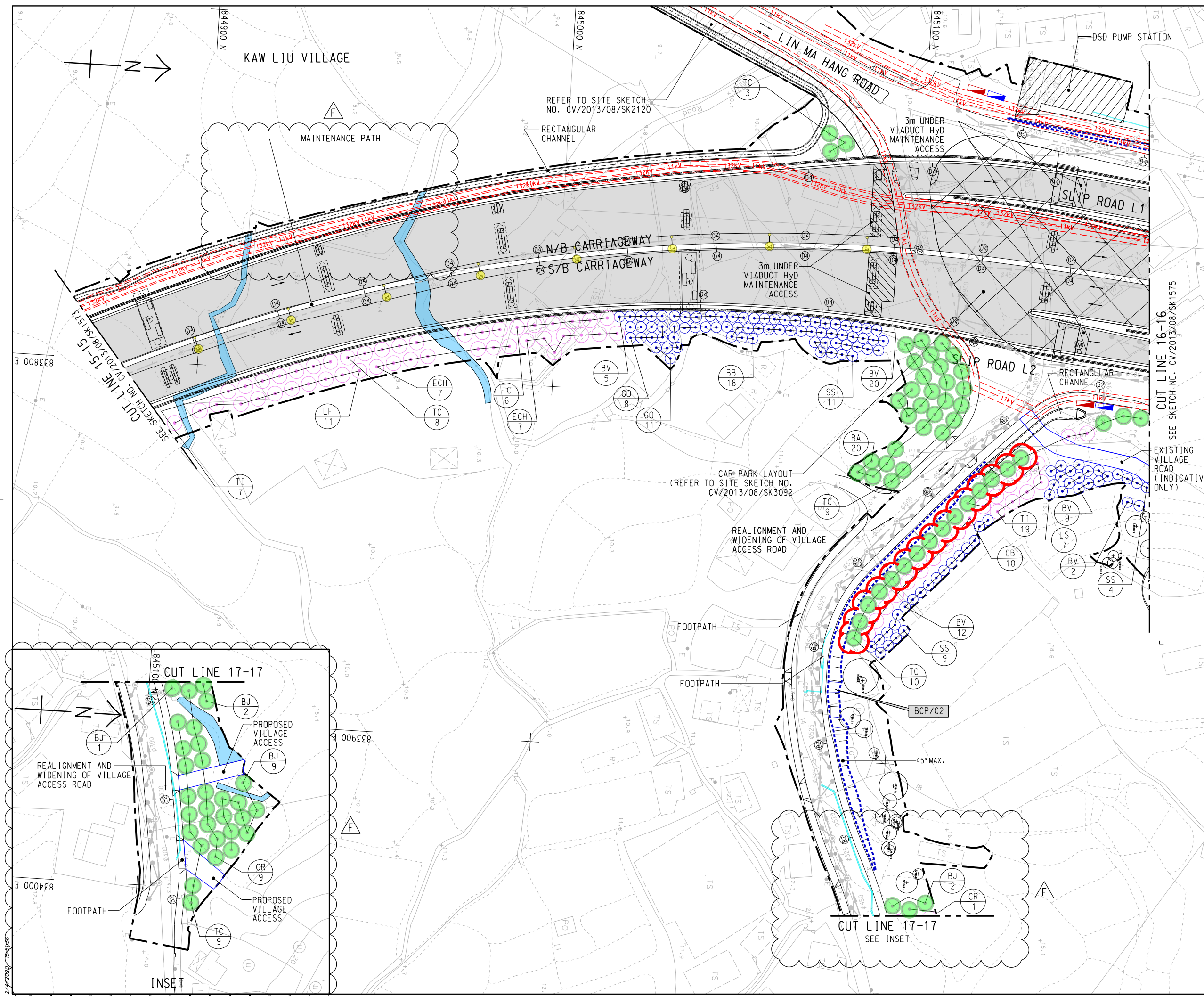
CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1570D
SCALE 1:1000 (A3)

25/3/2020 14:55:10

1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.



1. SUPERSEDE DRG NO. 60212563/C6/L00/1714A.

F	03/04/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
E	25/03/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
D	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	28/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
	- 04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWMS	HLKS
Rev.	Date	Description	Drawn	Prepared	Checked

AECOM

CEDD CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

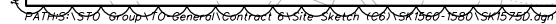
TITLE:

TREE PLANTING PLAN

(SHEET 14 OF 20)

SKETCH NO.	CV/2013/08/SK1574F
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SCALE
1:1000 (A3)



1. FOR NOTES AND LEGENDS REFER TO SKETCH NO.
CV/2013/08/SK1915.

D	28/02/20	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
C	26/02/19	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
B	04/12/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
A	10/09/18	ISSUE FOR CONSTRUCTION	LKK	SSSC	CLSY
	- 04/09/17	ISSUE FOR CONSTRUCTION	KLKK	BWWS	HLHS
Rev.	Date	Description	Drawn	Prepared	Checked

		(SHEET 15 OF 20)
SKETCH NO.	CV/2013/08/SK1575D	SCALE 1:1000 (A3)

CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD(S)	SPACING (mm)	Drawing No.								Total
					1561	1565	1566	1570	1574	1575	2120	3379	
Tree Planting - Native													
BJ	<i>Bischofia javanica</i>	秋楓	Heavy Standard Tree	5000		6	16		14				36
LF	<i>Liquidambar formosana</i>	楓香	Heavy Standard Tree	5000	24								24
GO	<i>Garcinia oblongifolia</i>	嶺南山竹子	Heavy Standard Tree	5000	16			26					42
ECH	<i>Elaeocarpus chinensis</i>	中華杜英	Standard Tree	5000	16			8					24
RT	<i>Reevesia thyrsoides</i>	梭羅樹	Standard Tree	5000				31		6			37
SL	<i>Sterculia lanceolata</i>	假蘋婆	Heavy Standard Tree	5000	10			33				6	49
Tree Planting - Exotic													
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	Heavy Standard Tree	5000	3								3
CR	<i>Callistemon rigidus</i>	紅千層	Standard Tree	5000		7	23		10				40
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	Heavy Standard Tree	5000	29			21					50
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	Heavy Standard Tree	3000						26			26
BA	<i>Brachychiton acerifolius</i>	槭葉蘋婆	Heavy Standard Tree	5000					20				20
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	Heavy Standard Tree	5000	79			70	31	15	3	10	208
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	Heavy Standard Tree	5000	33	15		13	8	21			90
Total					210	28	39	202	83	68	3	16	649
					210	67		202	154		16		
					STKI	Bridge B		PYI	LMHR		Site office		

From: WONG Tin Lok, Clement
To: "sauhanlam@lcsd.gov.hk"
Cc: "cptang@lcsd.gov.hk"; "ywcheuk@lcsd.gov.hk"; [LEUNG Siu Yin, Carol](#); [NGO Tsz Kei, Twigg](#); [SZE Siu Ching, Sandy](#) (sandy.sze@lt-aecom.com)
Subject: Inspection with LCSD-NT North Tree Team on 5 September 2019
Date: Saturday, September 07, 2019 11:32:00 AM
Attachments: [Tree Planting Schedule.xlsx](#)
[For LCSD \(NTNTT\).pdf](#)
[Aerial Photos.pdf](#)

Dear Ms. Lam,

1. Thank you for joining the site inspection on 5 September 2019. A set of drawings showing the following salient points is attached for your confirmation/comment:-

a) Planting areas **clouded** in **green** (agreed to be maintained by LCSD)

i) Please confirm/advise that the proposed tree species and their distribution are acceptable.

b) Planting areas **clouded** in **mustard** (proposed to be maintained by LCSD in this submission)

i) Trees agreed to be maintained by LCSD/NTNTT (i.e. New Territories North Tree Team) are highlighted in **light blue**.

ii) LCSD/NTNTT advised AECOM to further liaise with LCSD/NDLSO (i.e. North District Leisure Services Office) for the trees located in **crimson** areas.

iii) LCSD/NTNTT disagreed to maintain a certain number of trees due to the level difference between the footpath and the trees. Such areas are highlighted in **green**.

2. Tree Planting Schedule is attached to summarize the plant species and the quantity proposed to be maintained by LCSD. Aerial photos are also attached for your reference.

3. Please note that a joint site inspection with LCSD/NDLSO will be held on 10 September 2019. We shall inform you about their comments for your consolidated reply.

4. As discussed in the site inspection, we would like to seek additional planting areas or tree pits under your jurisdiction for the compensatory tree plantings of our Project. Please feel free to call our Field Officer Clement Wong at 6321 5051 or Sandy Sze at 6321 5065 for site inspection and/or any further discussion on this matter.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Chui Ping TANG
To: WONG Tin Lok, Clement
Cc: Sau Han LAM; YW CHEUK
Subject: Re: Tree Planting at LCSD Sites
Date: Wednesday, September 11, 2019 4:52:01 PM
Attachments: Replanting location at Fanling.doc

Dear Clement,

Replanting location is attached for your consideration, thanks!

Regards,
Sandy TANG
SAA(T)NTN3
Tel : 2591 6496/ 5190 9809

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: "'cptang@lcsd.gov.hk'" <cptang@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>
Date: 11/09/2019 11:02
Subject: Tree Planting at LCSD Sites

Dear Ms. Tang,

Further to our tele-conversation a moment ago, please find the attached Tree Planting Schedule for your consideration.

Best Regards,

Clement WONG
Resident Field Officer I

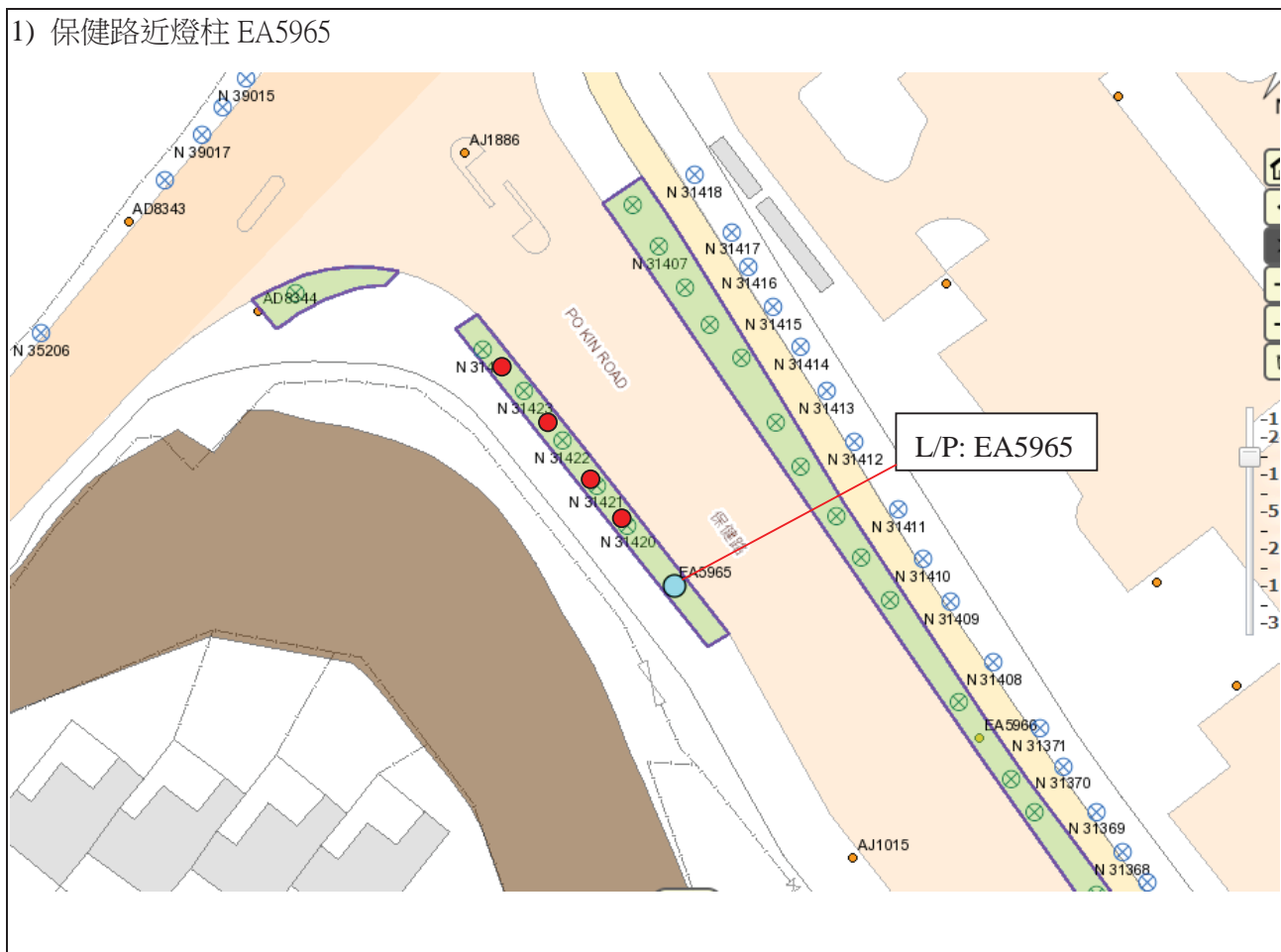
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

[附件檔 "Tree Planting Schedule.xlsx" 已被 Chui Ping TANG/LCSD/HKSARG 刪除]

補樹位置:

- 1) 保健路近燈柱(EA5965 Tree pit) - Schima superba 木荷(4 棵))
- 2) 保石湖路近燈柱(EA2454 Tree pit) - Liquidambar formosana 楓香(5 棵)
- 3) 暉明路近燈柱 (AD0959 及 AD0965 Tree pit)- Archontophoenix alexandrae 假檳榔(8 棵)
- 4) 雷明路近燈柱(EA9061 Planter) - Garcinia oblongifolia 嶺南山竹子(8 棵)
- 5) 智賢里近燈柱 (EA2553 Flower bed) - (Tabebuia chrysantha 黃花風鈴木 (20 棵)



2) 保石湖路近燈柱 EA2454

[illegible]

Map of the area around Fanling Assembly of God Church Primary School, showing bus stops, landmarks, and a proposed road layout. The map includes a north arrow, a scale bar, and a legend. The proposed road layout is shown in green, and the existing road layout is shown in orange. The map also shows the location of the school, a parking lot, and various bus stops.

Legend:

- Proposed Road
- Existing Road
- Bus Stop
- Landmark

Scale: 1:2500

North Arrow

Map Labels:

- EA9061
- N 14417
- N 14453
- N 14456
- N 14525
- N 14524
- N 14518
- N 14508
- N 14552
- N 14555
- EA9064
- N 41175
- EA1908
- EA1909
- N 14431
- N 14427
- EA9159
- EA9061
- N 4438
- N 4437
- N 4436
- N 4434
- P

Map Title: 基督教粉嶺神召會小學 (Fanling Assembly of God Church Primary School)

20 nos. of tree
are recommended
to be planted

湖墟市政大廈
Shek Wu Hui
of Services Building

EA2553

LEUNG Siu Yin, Carol

From: stevelo@cedd.gov.hk
Sent: Thursday, September 12, 2019 10:03 AM
To: LEUNG Siu Yin, Carol
Cc: Lam Shu, Albert; WONG Tin Lok, Clement; LING Yun, Julian; NG Nga Tat, Owen; SZE Siu Ching, Sandy; NGO Tsz Kei, Twiggy; LAM Wing Ki, Vicky; pylu@cedd.gov.hk
Subject: Re: FW: Tree Planting at LCSD Sites
Attachments: Replanting location at Fanling.doc

Carol
As discussed, the additional planting at LCSD areas will be incorporated into the compensatory tree planting proposal for the LT/HYW project.

In this regard, I have no objection.

Please liaise with LCSD and prepare DVO submission (assuming the cost estimate should be less than \$1.4M).

Regards,

Steve LO
SE/3(N)
NDO, CEDD
(Tel: 3547 1633)

From: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>
To: "Lo Chi Fai, Steve" <stevelo@cedd.gov.hk>,
Cc: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "NG Nga Tat, Owen" <owen.ng@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>, "LAM Wing Ki, Vicky" <vicky.lam@lt-aecom.com>, "LING Yun, Julian" <julian.ling@lt-aecom.com>, "Lam Shu, Albert" <albertlam@cedd.gov.hk>
Date: 12/09/2019 09:41
Subject: FW: Tree Planting at LCSD Sites

Morning Steve,
In view of the insufficient space for the compensatory trees, LCSD had offered more space, where is enough to accommodate additional 45nr trees. Though the planting areas are scattered, it is still within the North District that under LCSD/NT/Tree team's maintenance.

Please find attached, the location plans for your review.

Should you have no objection, I shall arrange the detailed planting plans for LCSD's further review and prepare DVO for the works in due course.

Thanks!
Carol
21713405/63215017

From: WONG Tin Lok, Clement
Sent: Wednesday, September 11, 2019 5:00 PM
To: LEUNG Siu Yin, Carol
Cc: NGO Tsz Kei, Twiggy; SZE Siu Ching, Sandy

Subject: FW: Tree Planting at LCSD Sites

Dear Carol,

Further to the joint site inspection with LCSD/Tree Team on 5 September 2019, they suggested 5 venues for a total of 45nr trees as compensatory plantings of our Project (please refer to the attached planting plan). The venues were all within North District.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437

From: Chui Ping TANG [mailto:cptang@lcsd.gov.hk]
Sent: Wednesday, September 11, 2019 4:51 PM
To: WONG Tin Lok, Clement
Cc: Sau Han LAM; YW CHEUK
Subject: Re: Tree Planting at LCSD Sites

Dear Clement,

Replanting location is attached for your consideration, thanks!

Regards,
Sandy TANG
SAA(T)NTN3
Tel : 2591 6496/ 5190 9809

From: "WONG Tin Lok, Clement" <clement.wong@lt-aecom.com>
To: "cptang@lcsd.gov.hk" <cptang@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "SZE Siu Ching, Sandy" <sandy.sze@lt-aecom.com>
Date: 11/09/2019 11:02
Subject: Tree Planting at LCSD Sites

Dear Ms. Tang,

Further to our tele-conversation a moment ago, please find the attached Tree Planting Schedule for your consideration.

Best Regards,

Clement WONG
Resident Field Officer I

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5051 / 2171 3437
[附件檔 "Tree Planting Schedule.xlsx" 已被 Chui Ping TANG/LCSD/HKSARG 刪除]

From: [Chui Ping TANG](#)
To: [WONG Tin Lok, Clement](#)
Cc: [Sau Han LAM](#); [Paul TC HO](#)
Subject: Re: Proposal of replanting at Po Kin Road , North District
Date: Thursday, October 10, 2019 5:18:19 PM
Attachments: [Proposal of Tree Planting at Po Kin Road.pdf](#)

Dear Mr. WONG,

As spoke, replanting location is attached for your consideration, thanks!

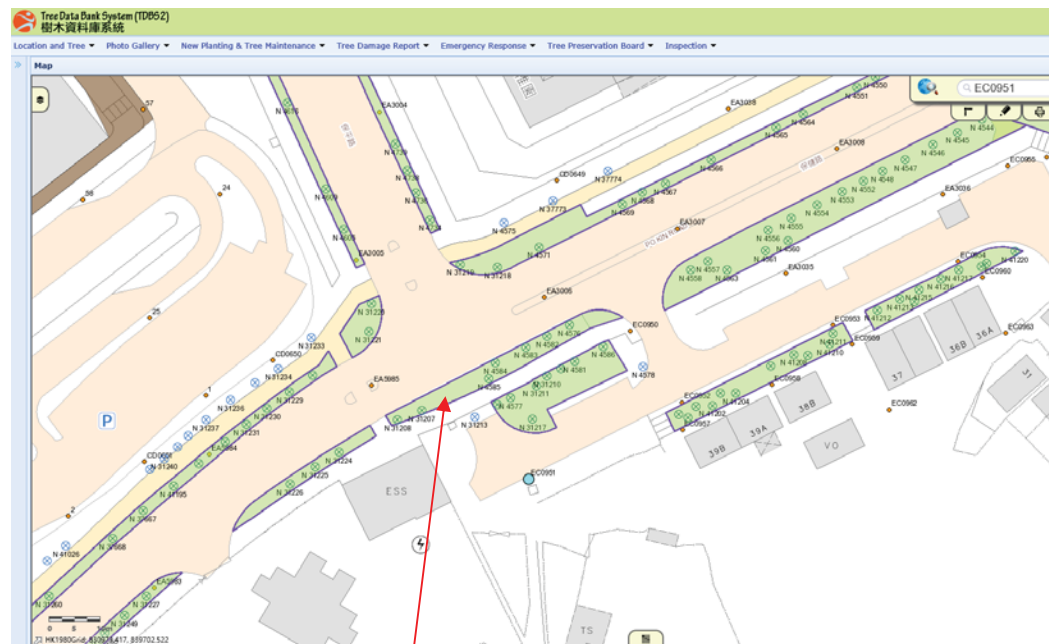
Regards,
Sandy TANG
SAA(T)NTN3
Tel.: 5190 9809

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Proposal of Tree Planting at Po Kin Road



5 No. of "*Brachychiton acerifolius*"



3 No. of "*Brachychiton acerifolius*"



1 No. of "*Brachychiton acerifolius*"

Appendix AA

Correspondences of Changes made in this Revision due to Departmental Requests



土木工程拓展署

Civil Engineering and Development
Department

North Development Office

Web site 網址 : <http://www.cedd.gov.hk>

E-mail 電子郵件 : albertlam@cedd.gov.hk

Telephone 電話 : 3547 1635

Facsimile 傳真 : 3547 1659

Our ref 本署檔號 : () in NDO-30-4160-CV/2013/08-M05-400

Your ref 來函檔號 :

葵芳興芳路 223 號

新都會廣場第一座辦公大樓 15 樓 1501 室

Unit 1501, Level 15, Tower I, Metroplaza

223 Hing Fong Road, Kwai Fong

N.T., Hong Kong

新界北打鼓嶺
竹園村 26 號
竹園村原居民村代表、居民代表
姚觀球先生、姚松添先生

姚觀球先生、姚松添先生：

合約編號 CV/2013/08
蓮塘/香園圍邊界管制站
土地平整和基礎建設工程 - 合約 6
竹園村交通配套跟進事宜

本署於 2021 年 2 月 25 日接獲 姚觀球先生附上題述事宜信件的電郵後，隨即聯絡運輸署、路政署及北區民政事務處並安排於 2021 年 3 月 4 日與 閣下、高維基議員及打鼓嶺區鄉事委員會的代表會面以解釋及討論來信中提及的事宜。現謹附上當天的會面紀錄供 閣下參考。

如有其他查詢，請致電 3547 1641 與本署工程師嚴先生聯絡。

北拓展處處長

(林澍 代行)

2021 年 3 月 15 日

副本抄送：

北區(沙打)區議員辦事處	(經辦人：高維基議員) 電郵: kowaikei@hotmail.com
打鼓嶺區鄉事委員會	(經辦人：陳月明主席) 傳真號碼: 2674 0192
運輸署新界分區辦事處	(經辦人：陳庭康先生) 傳真號碼: 2399 2778
路政署新界東北區域組	(經辦人：談必正先生) 傳真號碼: 2714 5228
北區民政事務處	(經辦人：張嘉寶女士) 傳真號碼: 2676 9109
北區地政處	(經辦人：葉凌堃先生) 傳真號碼: 2675 9224
艾奕康有限公司	(經辦人：吳雅達先生) 傳真號碼: 2251 0698

土木工程拓展署

工程合約編號 CV/2013/08

竹園村交通配套事宜之會面記錄

日期：2021 年 3 月 4 日（星期四）

時間：上午 11 時 30 分

地點：蓮麻坑路近竹園村

出席：北區區議會
打鼓嶺鄉事委員會
竹園村

高維基先生（北區區議員）
李 豪先生（打鼓嶺鄉事委員會代表）
姚觀球先生（竹園村原居民村代表）
姚松添先生（竹園村居民代表）
江碧如女士（竹園村居民）
及數名竹園村居民
嚴文杰先生（工程師）
陳庭康先生（工程師）
湯達明先生（高級技術主任）
談必正先生（工程師）
陳飛來先生（助理工程督察）
張嘉寶女士（聯絡主任(打鼓嶺)）
邱俊偉先生（工程督察(上水及打鼓嶺)）
呂文傑先生（助理工程督察(打鼓嶺)）
凌 恩先生（駐地盤高級工程師）
黃智豪先生（駐地盤工程師）

土木工程拓展署(「土拓署」)
運輸署

路政署

北區民政事務處

艾奕康有限公司

1 會面目的

土拓署於 2021 年 2 月 25 日接獲竹園村原居民村代表附上題述事宜信件的電郵，會面目的是解釋及討論來信所提及的 6 點事項。

2 會面內容

2.1 有關往上水方向的巴士站事宜

土拓署表示，已就村民於 2020 年 11 月 10 日及 2021 年 1 月 25 日的來信所表達的意見，把擬建巴士候車處的草擬設計圖提交予運輸署以索取其意見。

竹園村居民代表要求土拓署提供有關圖則予村民參考。現隨會面紀錄附上有關草擬設計圖(附件一)。

土拓署表示，該草擬設計圖展示的細節，在施工時或會因須要配合現場的實際狀況而作適當修改。

2.2 有關往松園下方向的巴士站事宜

竹園村居民代表提議參考現時坪輦路及坪原路交界的巴士站的佈局設計，將現時位於往上水方向的巴士站旁的綠化用地改建為迴旋處及巴士站。土拓署回覆指，現場面積不足，未能容納村民建議的佈局設計。打鼓嶺鄉事委員會代表補充，上述位於坪輦路及坪原路交界的巴士站的設計並不理想，正與有關政府部門商討改建。竹園村居民代表表示理解。

另外，竹園村居民代表建議將部份橋底政府用地改建為巴士站。土拓署回覆指，該政府用地現時是由警務處管理，作支援警務行動用途，故此未能用作其他用途。

就往松園下方向的巴士站的位置問題，土拓署和運輸署同意考慮將現時巴士站向松園下方向前移，以縮短巴士站與竹園村的步行距離，並增設雙白線路面標記以優化巴士站及過路處的交通管理。竹園村居民代表認同把上述改動作為中短期優化措施。長遠而言，他們將繼續爭取把部份橋底政府用地改建為巴士站。

2.3 有關蓮麻坑路的迴旋處事宜

土拓署及運輸署澄清從無表示「該迴旋處原本設計是不准長車使用」及未有答應進行實地試車。土拓署及運輸署重申，該迴旋處符合有關的道路設計標準，及未有限制禁止任何車輛使用，而該路段亦已進行道路安全審核以檢視路面設計。

竹園村居民不認同土拓署及運輸署的回覆，會考慮再作投訴。

2.4 有關臨時路口事宜

就竹園村居民代表對工程完工日期的詢問，土拓署解釋，工程合約內大部分工程，包括香園圍公路的興建，已於 2019 年完成。惟周邊的連接路及綠化工程，包括村民關注的臨時路口，則預計於 2022 年年中前完工。竹園村居民代表表示理解，並要求土拓署儘快完成有關工程。

土拓署已敦促駐工地工程人員儘快完成有關工程。

2.5 有關行人路上的車輛出入口事宜

竹園村居民代表表示，現時由竹園村步行至蓮麻坑路的行人路上的一個車輛出入口路面陡斜，為行人尤其是輪椅使用者帶來不便甚至安全風險。土拓署表示該出入口設計及建造均符合相關標準。儘管如此，由於土拓署正為上述行人路進行改善工程，土拓署將與路政署探討優化方案，以盡可能滿足竹園村居民的要求。

就竹園村居民代表於來信中查詢上述相關標準的細節，土拓署回覆指，有關的車輛出入口均按照路政署標準圖則編號 H5133B、H5134A 和 H5135A 進行設計和建造。

2.6 有關要求禁止大型車輛進出竹園村外的行車路事宜

竹園村居民代表表示，大型車輛經常途經竹園村村口以進出附近土地，要求禁止大型車輛使用行車路進出。

土拓署及運輸署綜合回覆指，竹園村和蓮麻坑路之間的行車路應否限制任何車輛使用都必須考慮當區不同持份者的需要及原有情況，故此未能禁止大型車輛進出該路。至於居民代表關注的路段(連接竹園村村口(牌樓)和打鼓嶺堆填區的單程路)是由地政總署管理，土拓署已把有關個案轉交予地政總署跟進及直接回覆。

竹園村居民代表要求北區民政事務處協助跟進事宜，北區民政事務處表示會與竹園村居民代表及地政總署聯絡。

3 其他事項

3.1 竹園村居民代表於會面中表示，駕駛者由蓮麻坑路轉入竹園村時，容易認錯路口。

(會後備註: 運輸署與土拓署檢視後同意把位於蓮麻坑路及口岸連接路的「不准駛入」路牌的角度作調整，以改善情況。)

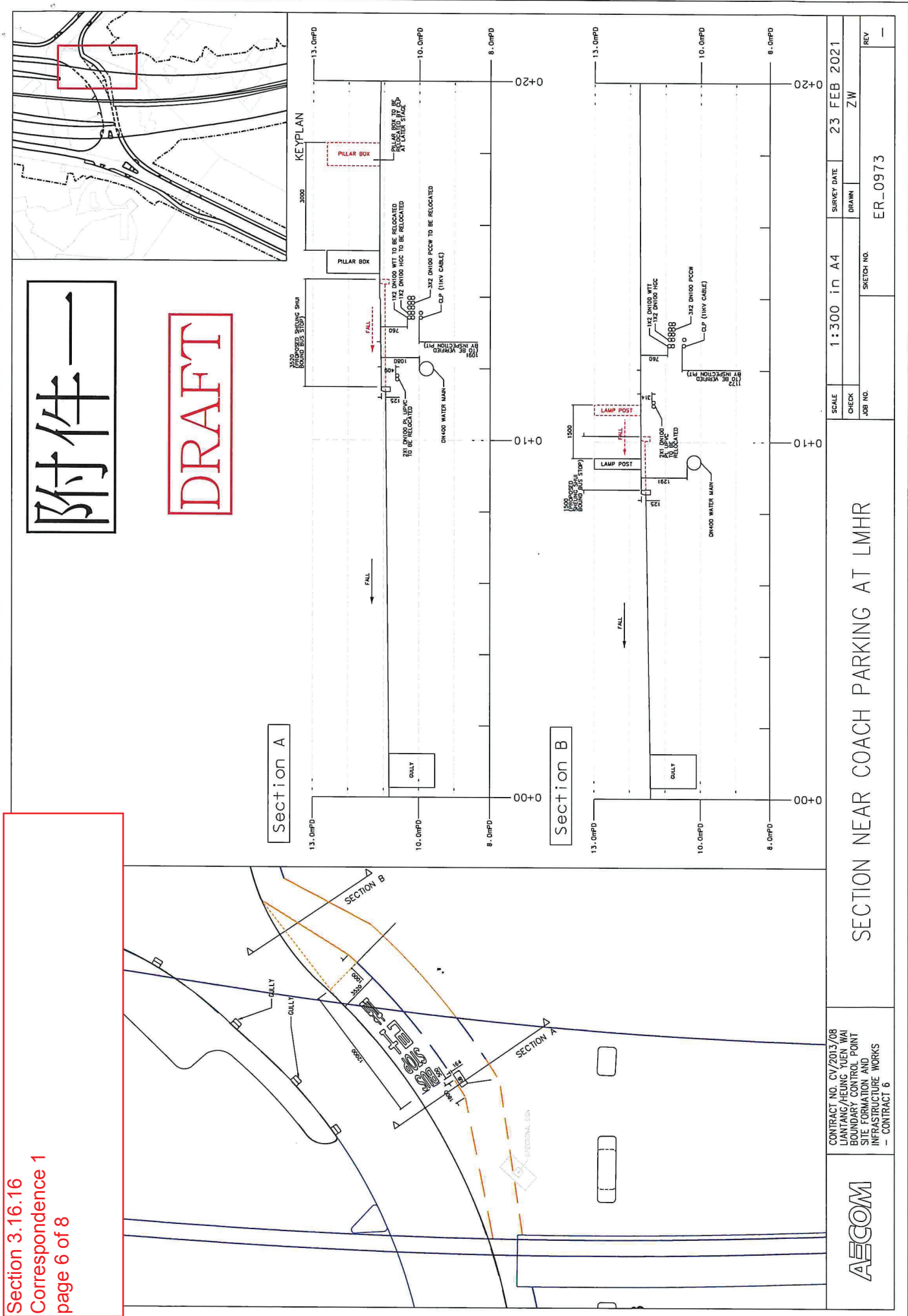
3.2 竹園村居民代表於會面中表示，就 2020 年 11 月 10 日的信件中所表達的公共運輸事宜，仍未收到運輸署的回覆。運輸署表示會於會後向運輸主任了解，並就該事宜作回覆。

(會後備註: 運輸署已於 2021 年 3 月 4 日就相關公共運輸事宜作出回覆，現隨會面紀錄附上有關信函(附件二))

4 會面結束

會面於當日下午 1 時完結。

- 完 -





本署檔號：TDNR 6-20/12-2

來函檔號：

電話：2399 2464

傳 真：2381 3799

新界沙頭角

順隆街3號錦和樓A座地下

北區區議會

高維基議員辦事處

高維基議員

高議員：

關於竹園村交通配套改善建議事宜

多謝你於早前轉達竹園村村代表姚觀球先生對竹園村交通配套改善的建議。繼本署於2020年11月18日給你的簡覆，現謹回覆如下：

現時，專線小巴第 59K 號線由上午 6 時至下午 9 時 30 分由上水總站開出的班次為 30 分鐘一班；而由上午 6 時 30 分至下午 10 時由蓮麻坑開出的班次則為 30 分鐘一班。在收到你有關第 59K 號線的意見後，本署已即時要求營辦商跟進。營辦商回覆表示已訓示站長多加留意班次的情況，並會靈活調配車輛以減少乘客候車的時間。

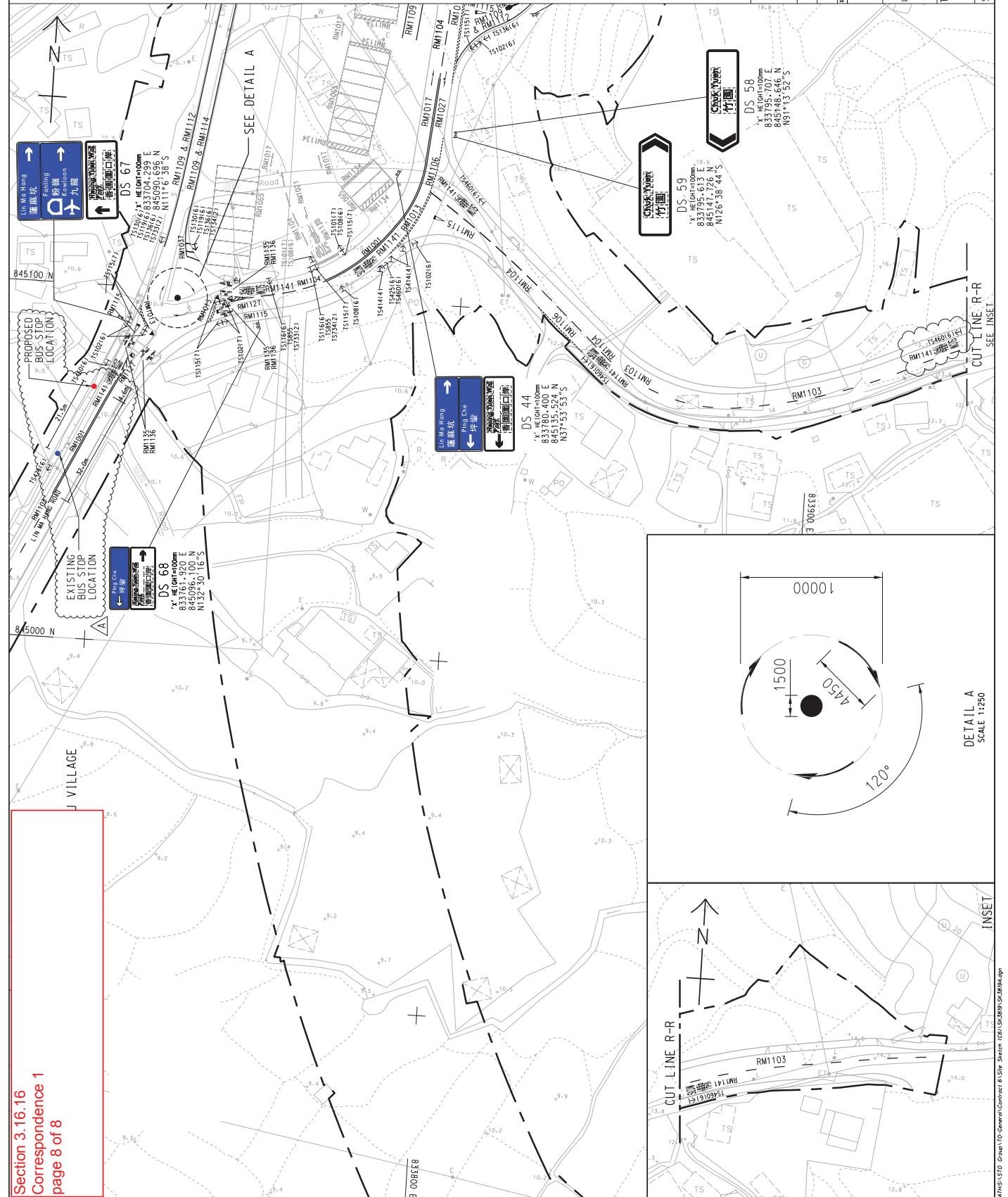
為監察專線小巴第 59K 號線的服務水平，本署在本年 1 月 11 日(星期一)派員在上水站及蓮麻坑總站進行實地調查。根據調查結果，在上午 7 時至 10 時由上水站開出前往蓮麻坑的班次及在下午 5 時至 8 時期間由蓮麻坑總站開出的班次均符合服務詳情表的規定，未有出現脫班的情況，期間亦沒有乘客留後。本署會繼續密切留意第 59K 號線的運作。

市區（九龍）及新界分區辦事處
Urban (Kln.) & NT Regional Offices
九龍聯運街三十號旺角政府合署七樓及八樓
7th & 8th Floors, Mong Kok Government Offices, 30 Luen Wan Street, Kowloon.
圖文傳真 Fax No.: 2381 3799（新界區）(NTRO) 2387 8046（九龍市區）(U(K)RO)
網址 Web Site: <http://www.id.gov.hk>

附件二

郵寄及傳真 (2659 7022)

NOTE:
1. FOR NOTES AND LEGEND REFER TO SKETCH NUMBER
CV/2013/08/SK0554.



Section 3.16.16
Correspondence 1
page 8 of 8

LEUNG Siu Yin, Carol

From: lensd5@landsd.gov.hk
Sent: Wednesday, September 08, 2021 2:23 PM
To: lhkwok@cedd.gov.hk
Cc: Lam Shu, Albert; WONG Chi Ho, Anthony; LEUNG Siu Yin, Carol; LUK Eddie Chi Kin; slensd2@landsd.gov.hk; LAI Sui Fong; NGO Tsz Kei, Twigg; ecb14.nt@hyd.gov.hk
Subject: Re: 轉寄: Re: FW: Proposals of relocation of compensatory plantings
Attachments: SK3804A.PDF

Dear Matthew,

I refer to your preceding email.

It is noted that HyD had no comment on the proposed modification works for vehicular access and will take up the maintenance of the hard paved verged area highlighted in yellow at "SK3804A". In this regard, this office has no comment on the works.

Subject to the actual site condition after the works, this office has no comment on taking up the unpaved UUGL circled in purple at "SK3804A". Thank you.

Best regards,
Lincoln YIP
Land Executive/Special Duties 5,
District Lands Office, North
Tel No.: 2675 1506

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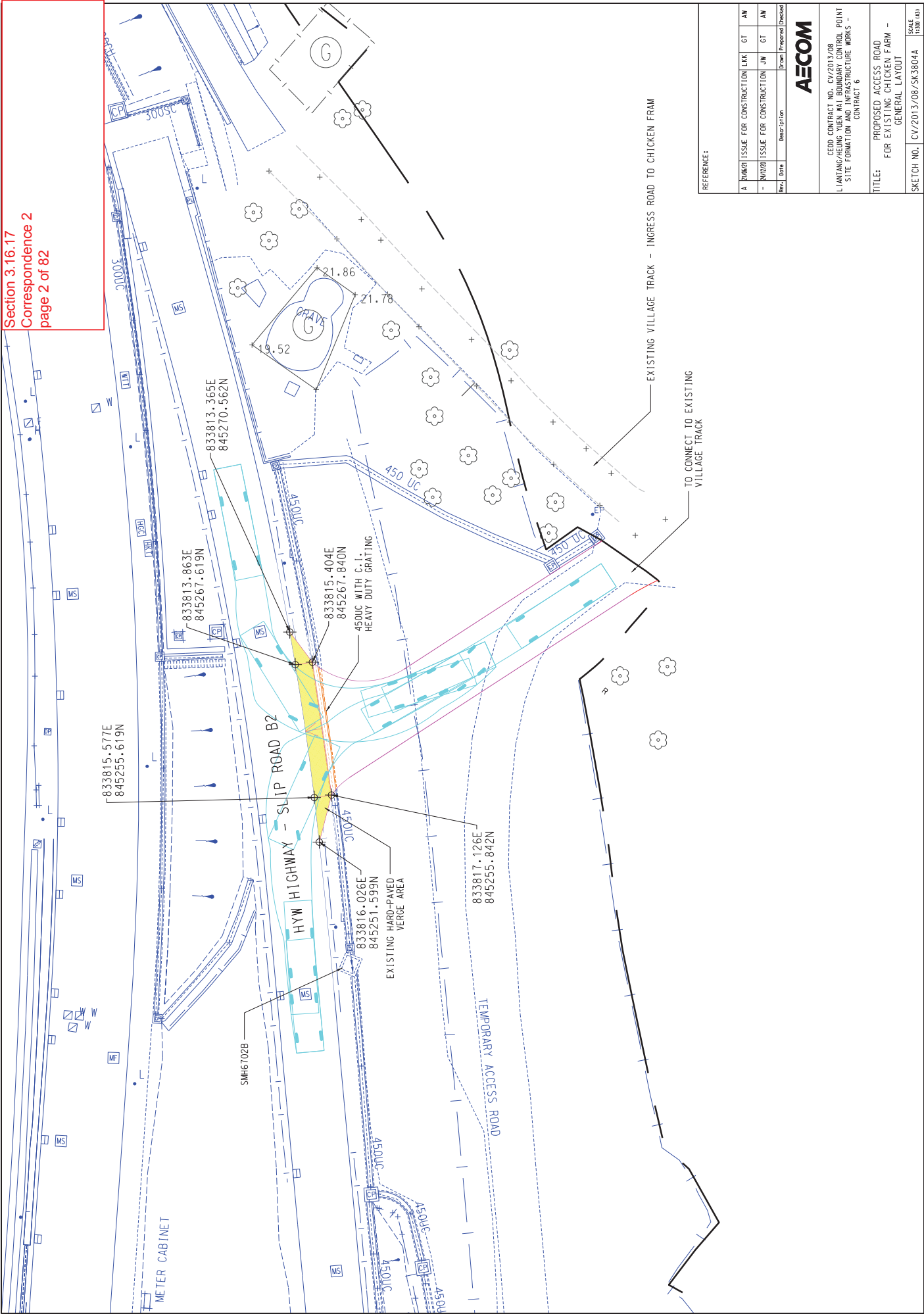
From: LONG HIM KWOK/CEDD/HKSARG@CEDD
To: Ling Kwan YIP/LAO/LANDSD/HKSARG@LANDSD
Cc: "Lam Shu, Albert" <albertlam@cedd.gov.hk>, "WONG Chi Ho, Anthony" <anthony.wong@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "LUK Eddie Chi Kin" <eddie.luk@lt-aecom.com>, MK CHING/LAO/LANDSD/HKSARG@LANDSD, s.f.lai@lt-aecom.com, "NGO Tsz Kei, Twigg" <twigg.ngo@lt-aecom.com>, Yin Fai CHONG/HYD/HKSARG@HYD
Date: 08/09/2021 09:58
Subject: Re: 轉寄: Re: FW: Proposals of relocation of compensatory plantings

Dear Lincoln,

We spoke.

Please be clarified that HyD had previously taken up the maintenance of the hard-paved verge area (yellow highlighted area in SK3804A) and had expressed no comment to our proposed modification works for the access road.

Section 3.16.17
Correspondence 2
page 1 of 82



LEUNG Siu Yin, Carol

From: Sau Han LAM <sauhanlam@lcsd.gov.hk>
Sent: Wednesday, September 01, 2021 4:53 PM
To: LAI Sui Fong
Cc: Angel LAU; Ann YL HO (aylho@lcsd.gov.hk); LEUNG Siu Yin, Carol; Chui Ping TANG; Jacky KL CHAN; NGO Tsz Kei, Twiggy; YW CHEUK
Subject: RE: Contract No. CV/2013/08 Liantang / Heung Yuen Wai Boundary Control Point C6 _Compensatory proposal to LCSD for tree removal at Chicken Farm
Attachments: App C_Compensatory proposal for tree removal at Chicken Farm_v.2.pdf

Dear Amy,

This is to confirm that your revised proposal is acceptable, we have no further comments. Please proceed planting works soonest possible.

Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

From: "LAI Sui Fong" <s.f.lai@lt-aecom.com>
To: "Sau Han LAM" <sauhanlam@lcsd.gov.hk>
Cc: "Angel LAU" <angellau@lcsd.gov.hk>, "Ann YL HO (aylho@lcsd.gov.hk)" <aylho@lcsd.gov.hk>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "Chui Ping TANG" <cptang@lcsd.gov.hk>, "Jacky KL CHAN" <klunchan@lcsd.gov.hk>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "YW CHEUK" <ywcheuk@lcsd.gov.hk>
Date: 01/09/2021 12:17
Subject: RE: Contract No. VC/2013/08 Liantang / Heung Yuen Wai Boundary Control Point C6_Compensatory proposal to LCSD for tree removal at Chicken Farm

Dear Ms. Lam,

Thank you very much for your comments and suggestions. I have further revised the proposal accordingly. Grateful for your confirmation please.

The planting locations will be agreed with LCSD prior planting. We will invite you for setting out planting locations in due course.

Best Regards,

Amy LAI
Resident Field Officer I
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.
Tel: 2251 0625

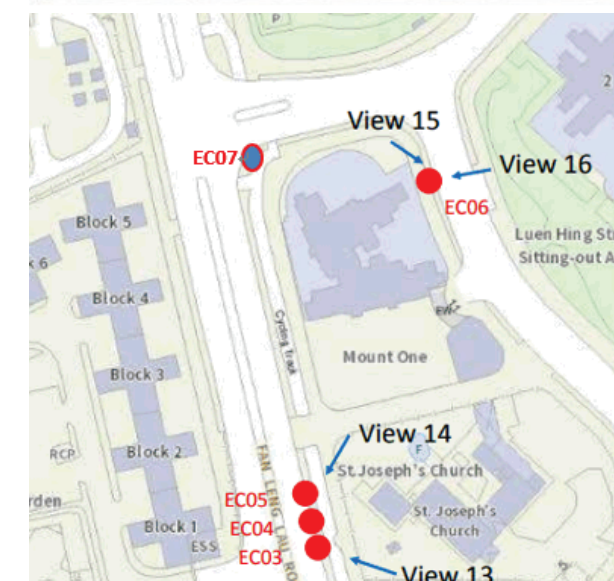
From: Sau Han LAM [mailto:sauhanlam@lcsd.gov.hk]
Sent: 30 August 2021 17:52
To: LAI Sui Fong
Cc: Angel LAU; Ann YL HO (aylho@lcsd.gov.hk); LEUNG Siu Yin, Carol; Chui Ping TANG; Jacky KL CHAN; NGO Tsz Kei, Twiggy; YW CHEUK
Subject: RE: Contract No. VC/2013/08 Liantang / Heung Yuen Wai Boundary Control Point C6_Compensatory proposal to LCSD for tree removal at Chicken Farm

Dear Amy,

I refer to your email below.

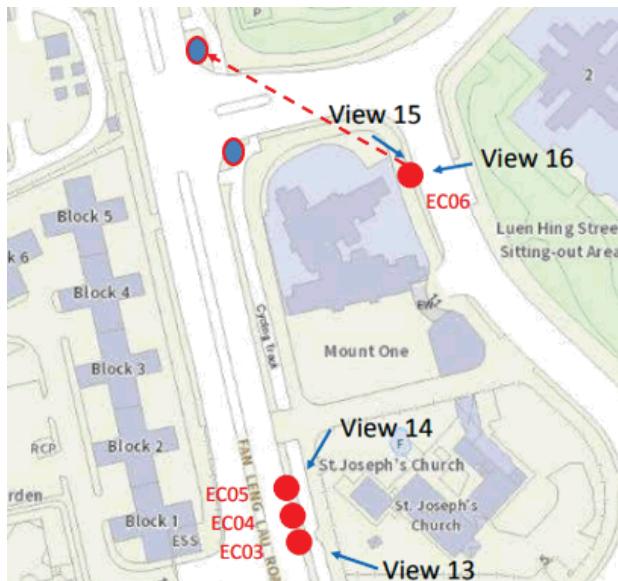
Due to site constraint, the planting space is insufficient for future growth of the trees, I should be grateful if you would consider to revise your planting location for E07 and E06 with details below.

For Tree EC07, the proposed tree pit is only 1M x 1M. It is suggested to relocate at junction of Fan Leng Lau Road and Wo Muk Road at location below.



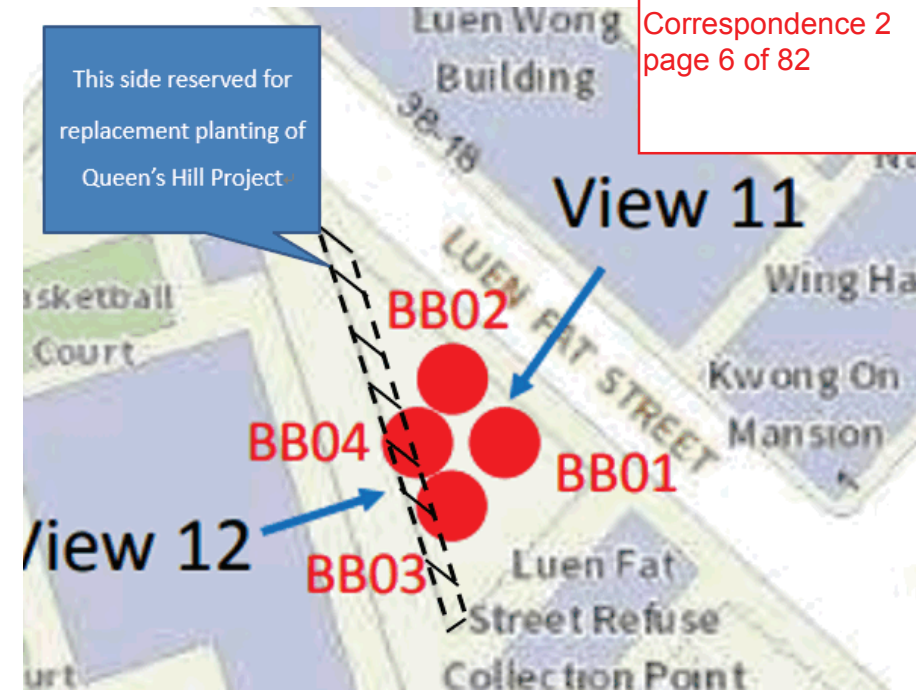
For Tree EC06, the proposed site is at a narrow planter. It is suggested to relocate to the junction of Fan Leng Lau Road and Wo Muk Road at location below.

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We have no objection to the proposed location for replacement planting of Tree BB01 to BB04. However, please noted that one side of the planter had already been reserved for replacement planting of Queen's Hill Development Project. The exact location should be determined at site before planting.

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Correspondence 2
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Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

From: "LAI Sui Fong" <s.f.lai@lt-aecom.com>
To: "Sau Han LAM" <sauhanlam@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "Ann YL HO" <aylho@lcsd.gov.hk>, "Chui Ping TANG" <cptang@lcsd.gov.hk>, "YW CHEUK" <ywcheuk@lcsd.gov.hk>, "Angel LAU" <angellau@lcsd.gov.hk>, "Jacky KL CHAN" <klunchan@lcsd.gov.hk>
Date: 26/08/2021 15:43
Subject: RE: Contract No. VC/2013/08 Liantang / Heung Yuen Wai Boundary Control Point C6_Compensatory proposal to LCSD for tree removal at Chicken Farm

Dear Ms. Lam,

Thank you for your comments on the proposal. The number of compensatory trees proposed along Sha Tau Kok Road has been reduced to accommodate the 5m spacing requirement. Some more compensatory trees are proposed in Luen Wo Hui. Attached please kindly find the revised compensatory proposal for your consideration.

We would be grateful to hear your reply by **31 August 2021**. I am sorry for being rush, but we have limited time in completing this task. Should you need further information, please feel free to contact me. We will be happy to arrange a site visit with you for the proposed compensatory locations if you wish to.

Best Regards,

Amy LAI
Resident Field Officer I
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.
Tel: 2251 0625

From: Sau Han LAM [<mailto:sauhanlam@lcsd.gov.hk>]
Sent: 23 August 2021 18:08
To: LAI Sui Fong
Cc: LEUNG Siu Yin, Carol; NGO Tsz Kei, Twiggy; Ann YL HO (aylho@lcsd.gov.hk); Chui Ping TANG; YW CHEUK; Angel LAU; Jacky KL CHAN
Subject: Contract No. VC/2013/08 Liantang / Heung Yuen Wai Boundary Control Point C6_Compensatory proposal to LCSD for tree removal at Chicken Farm

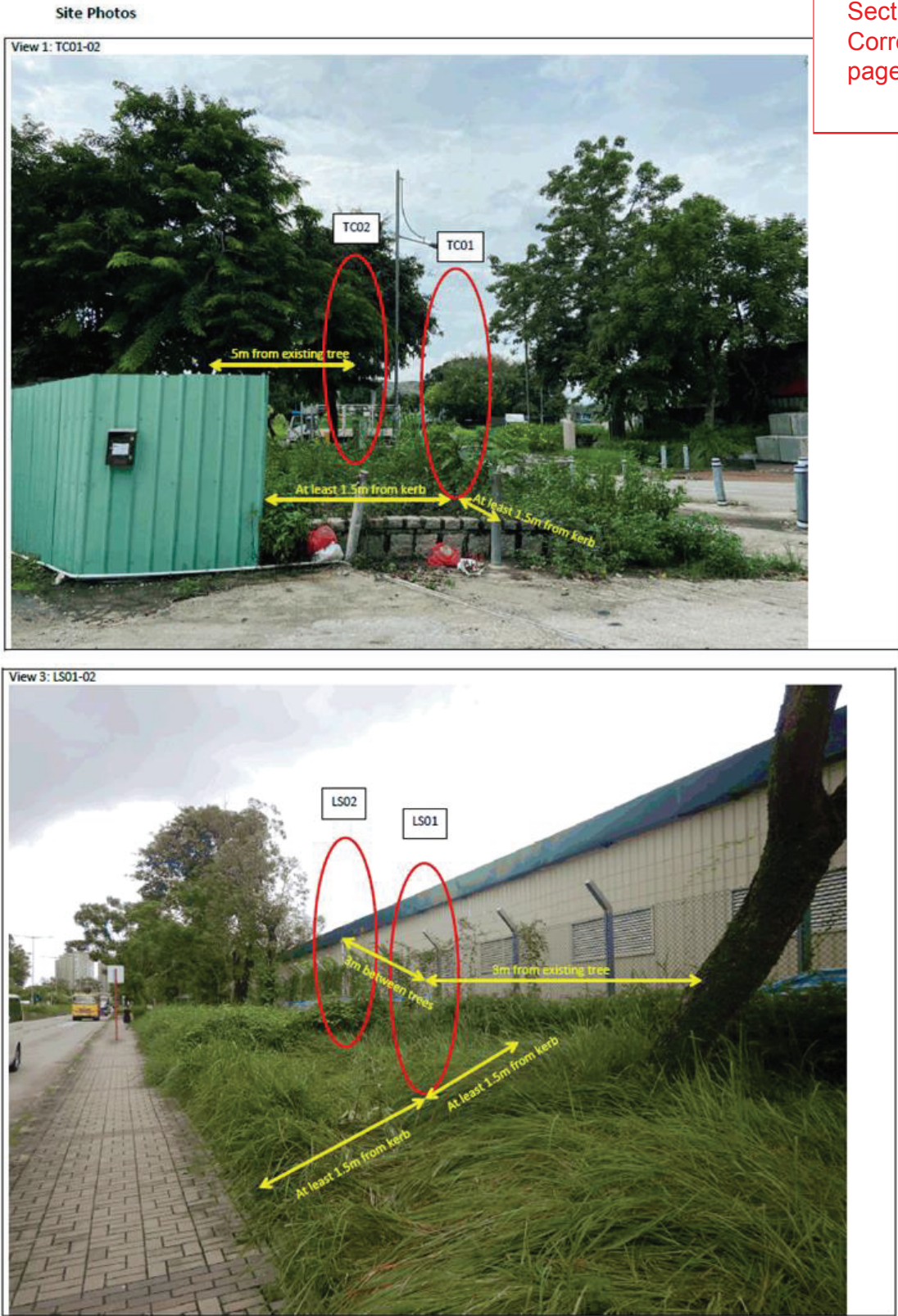
Dear Ms. LAI,

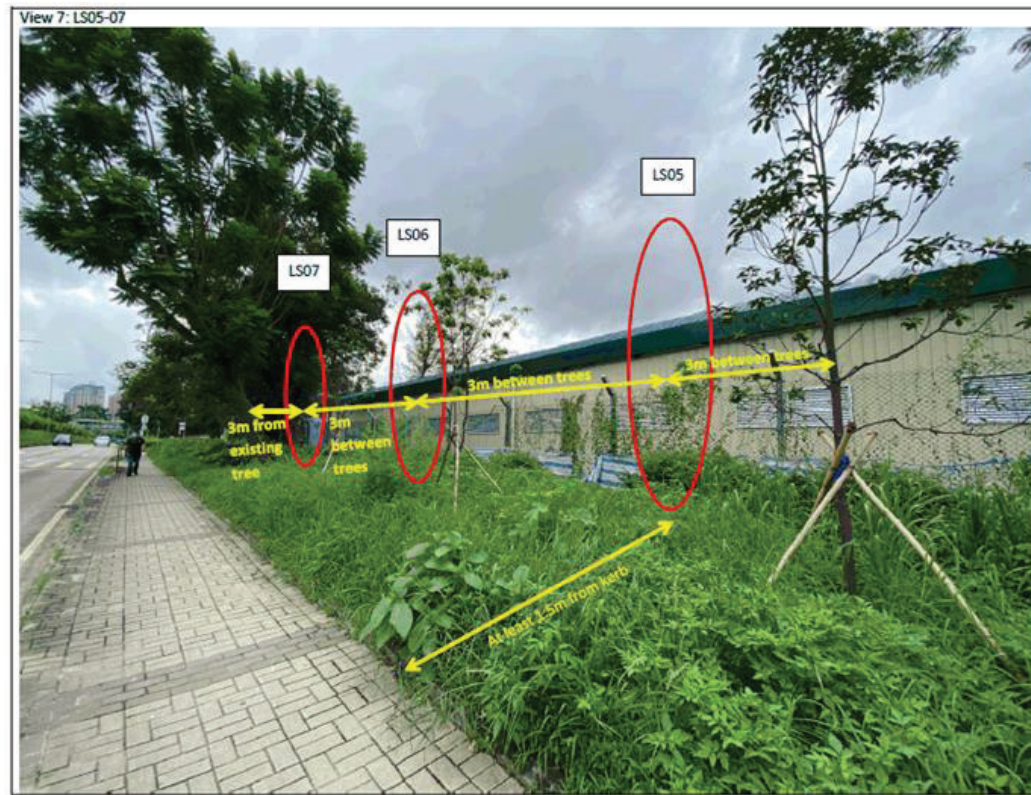
I refer to your email below.

Site inspection was conducted and we found that the planting distance for a number of proposed locations at Sha Tau Kok Road for replacement planting is insufficient. I should be grateful if you would reconsider the planting location and maintain a clearance of 5m from existing trees. Site photos are enclosed for your reference.

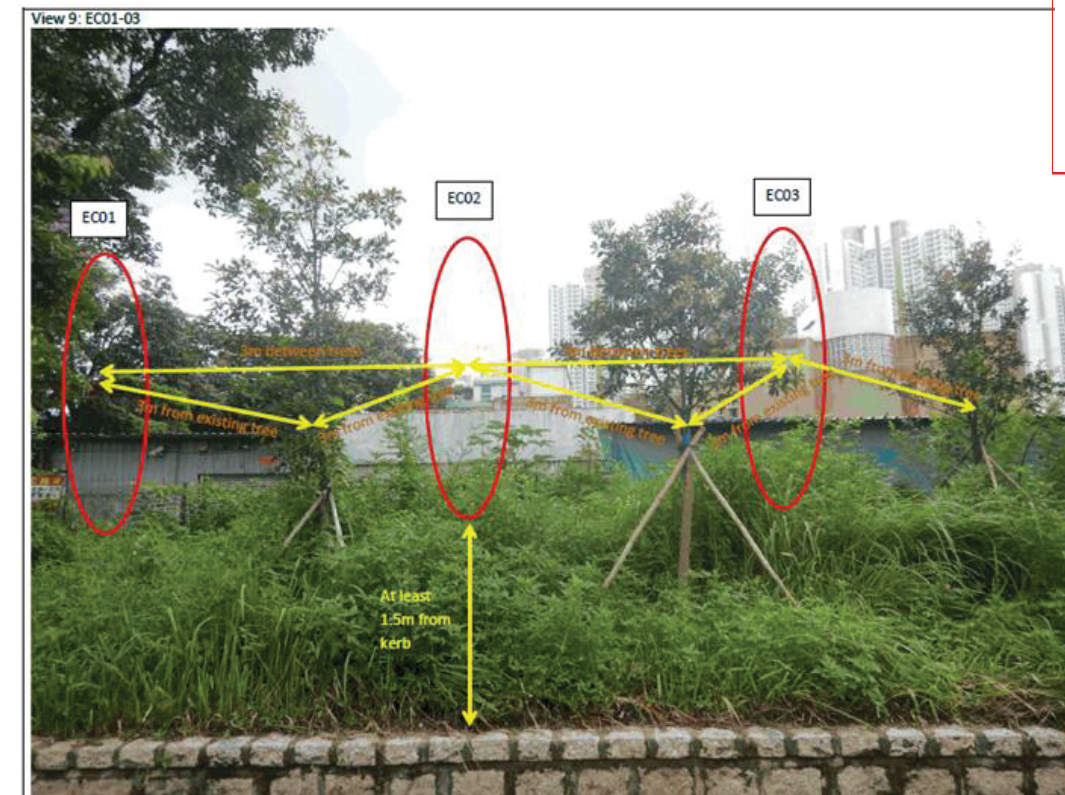
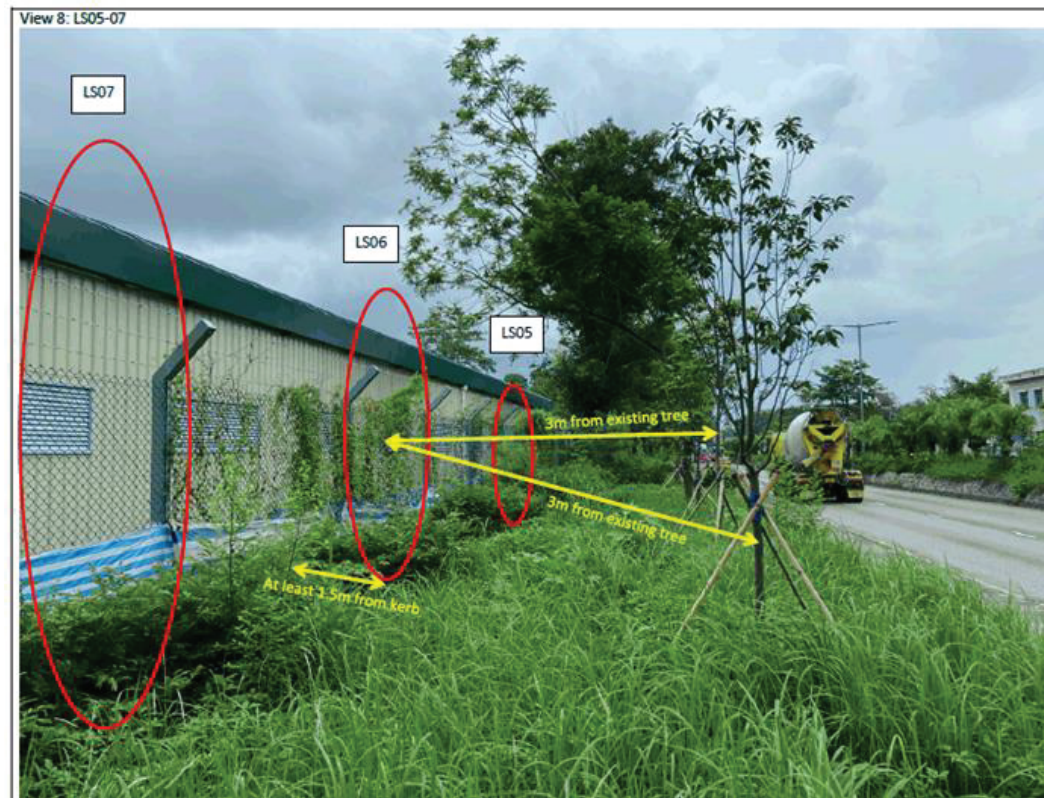
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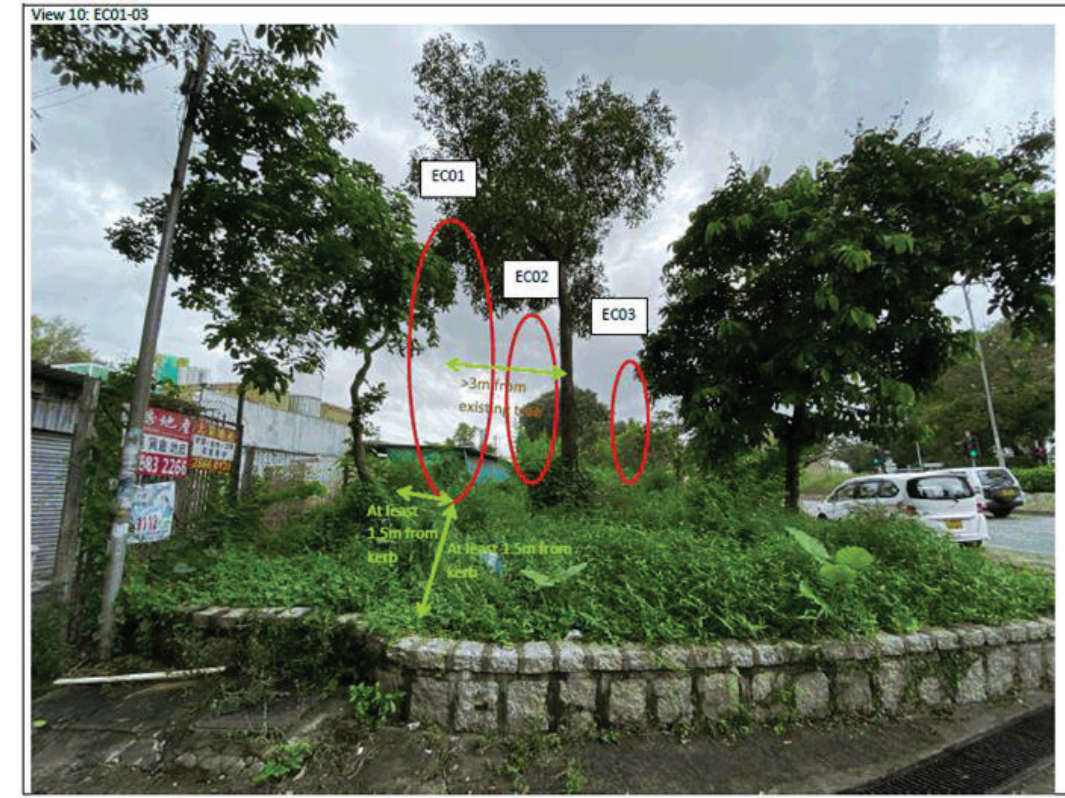


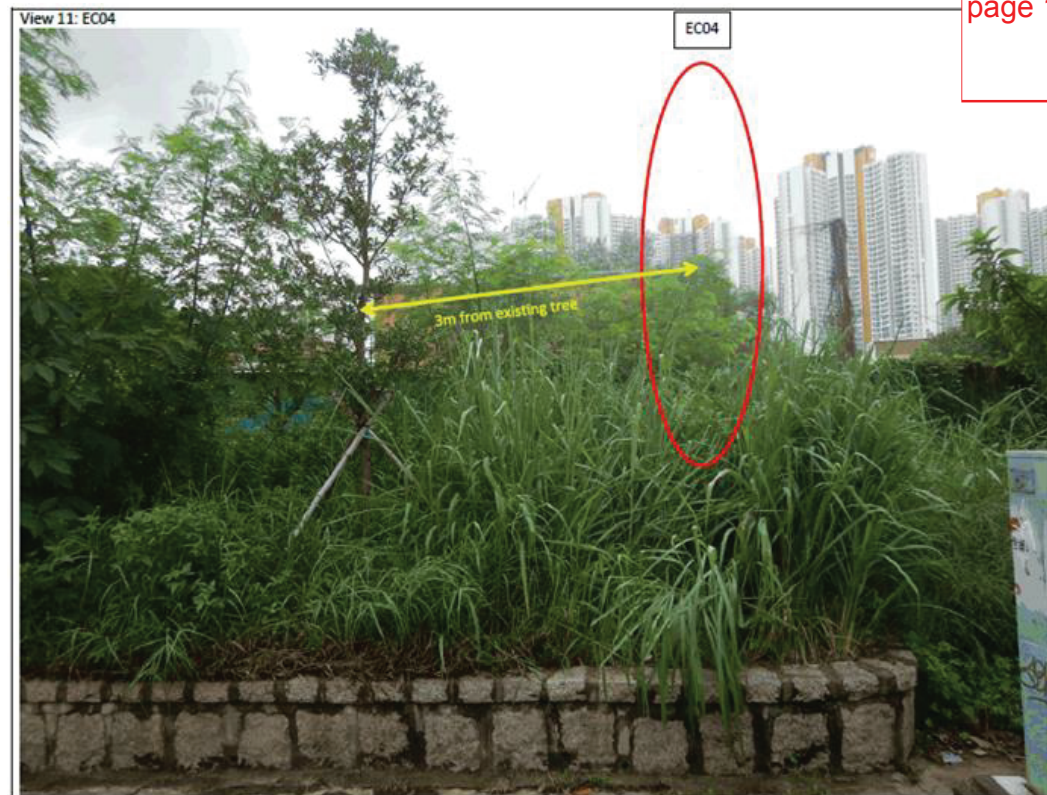


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page 10 of 82





Regards,

LAM Sau-han
ALMI(T)NTN4 / LCSD
Tel: 2601 7917
Fax: 2691 7264

G.R. - On file, please.

----- Forwarded by YW CHEUK/LCSD/HKSARG on 23/08/2021 15:47 -----

From: "LAI Sui Fong" <s.f.lai@lt-aecom.com>
To: "sauhanlam@lcsd.gov.hk" <sauhanlam@lcsd.gov.hk>
Cc: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, "Ann YL HO" <aylho@lcsd.gov.hk>, "aylho@lcsd.gov.hk" <aylho@lcsd.gov.hk>, "Chui Ping TANG" <cptang@lcsd.gov.hk>, "YW CHEUK" <ywcheuk@lcsd.gov.hk>
Date: 19/08/2021 15:53
Subject: C6_Compensatory proposal to LCSD for tree removal at Chicken Farm

Dear Sau Han,

Due to the construction of a new access at Chicken Farm near Chuck Yuen Village, 18nr trees (Tree Nos. NT601-NT609, and NT620-NT628), which had been handed over to LCSD on 31 May 2021, will be removed. For the details of the affected trees, please see the markup on the attached tree location plan in **App A** & highlighted rows in tree record form in **App B**.

A total of **18nr** trees should be compensated at LCSD areas for the tree removal. However, upon summing up all compensatory trees at LCSD areas in the Liantang Project, there is a positive net balance of **3nr** compensatory trees. Detailed summary on the compensatory trees will be supplemented later for your reference. Therefore, with 3nr trees deducted, **15nr** trees will be compensated for the tree removal at Chicken Farm. We would like to propose to plant these 15nr compensatory trees along Sha Tau Kok Road. Attached please kindly find the compensatory proposal in **App C** for your review and comment.

We would be grateful to hear your reply by **31 August 2021**. Should you need further information, please feel free to contact me. We will be happy to arrange a site visit with you for the proposed compensatory locations if you wish to.

Best Regards,

Amy LAI
Resident Field Officer I
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.
Tel: 2251 0625

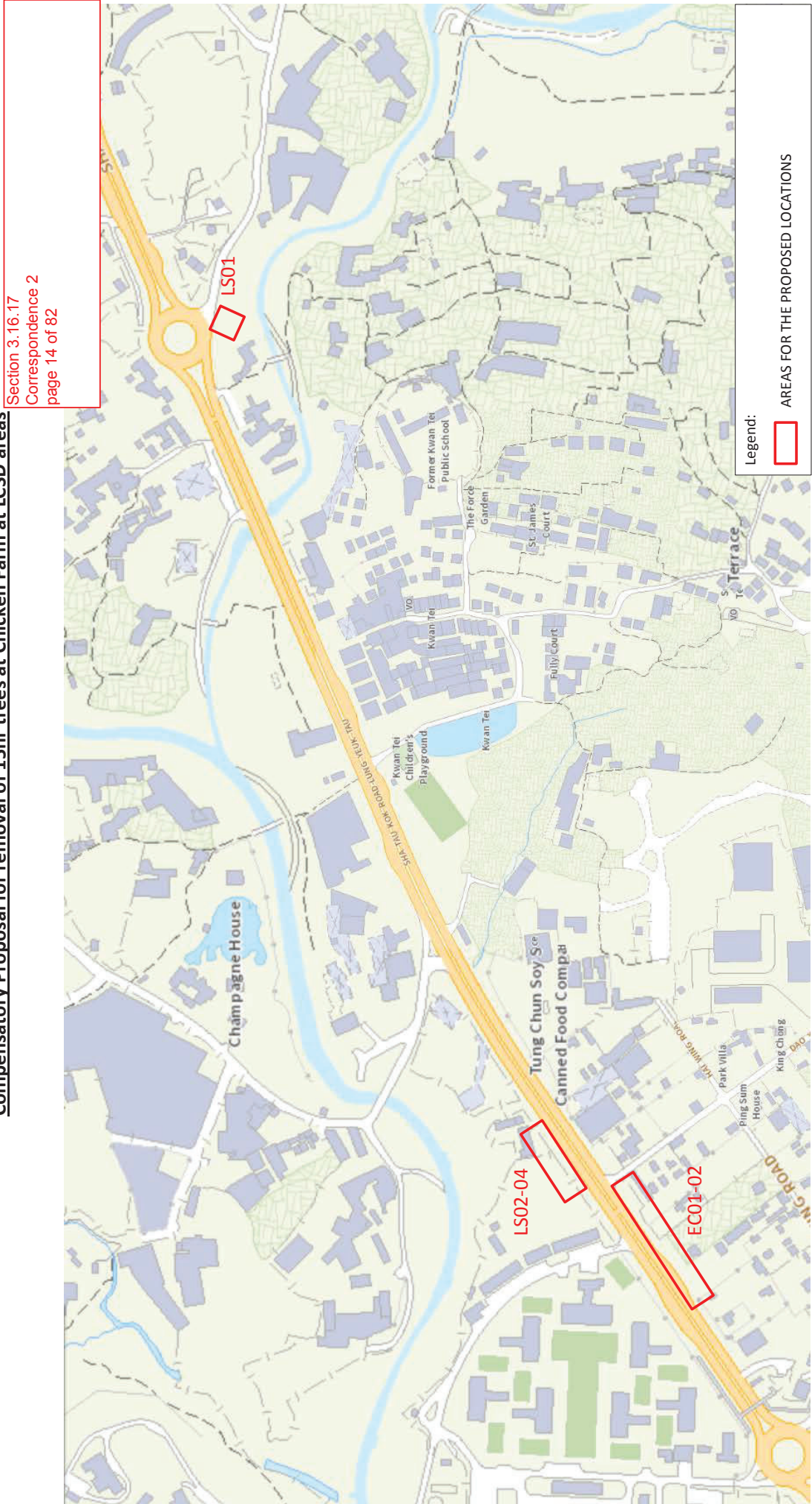
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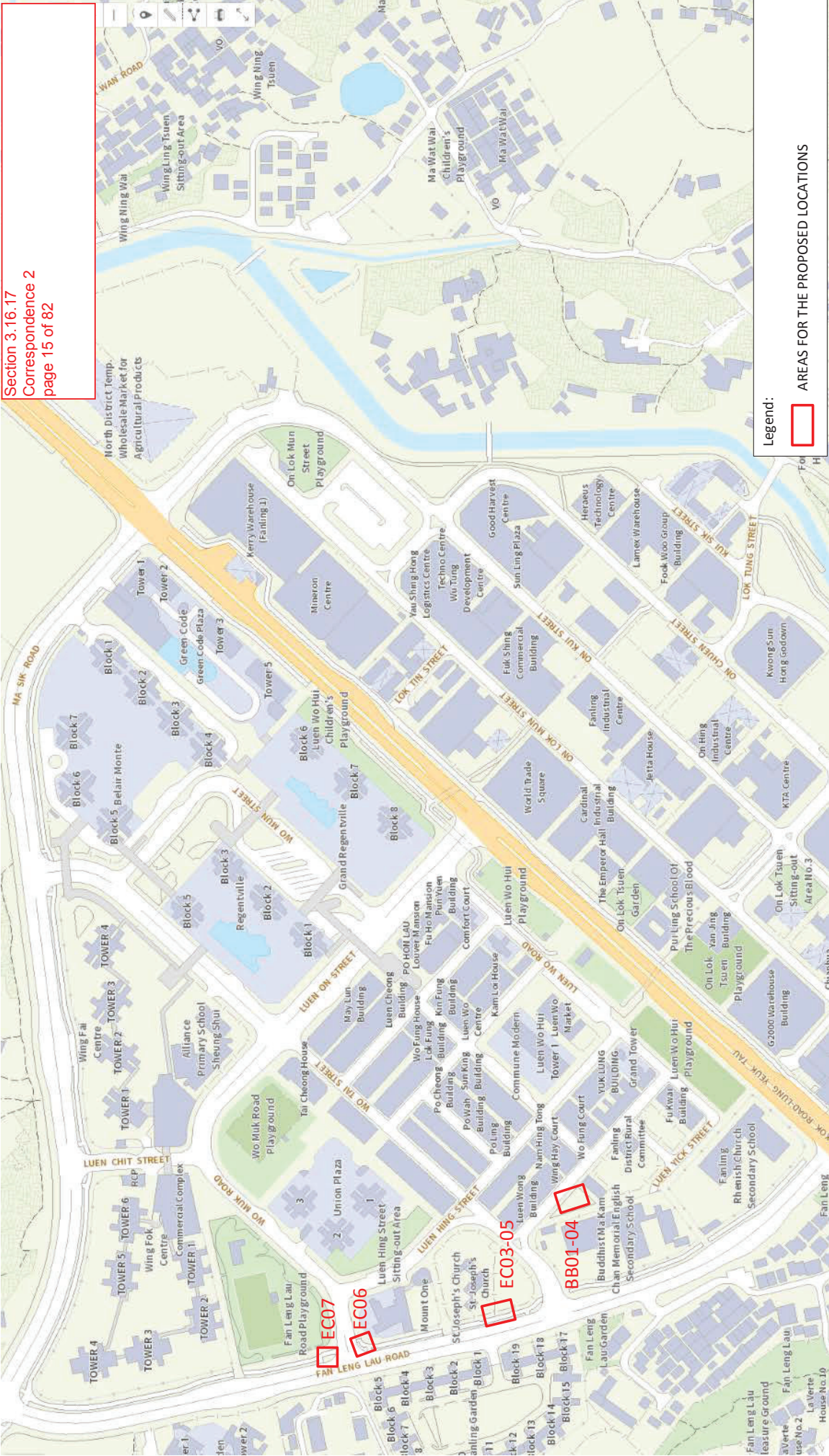
This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

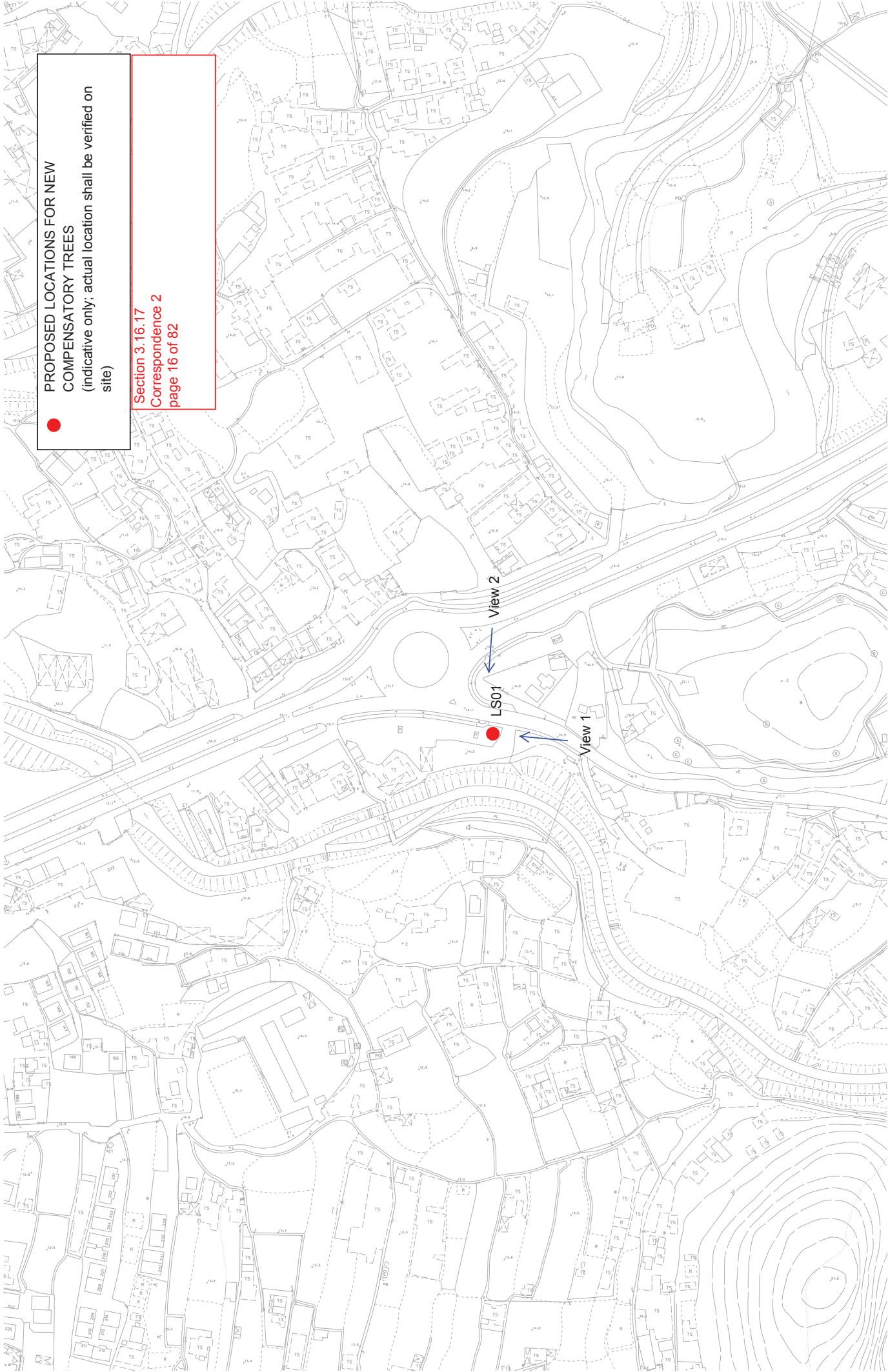
Compensatory Proposal for removal of 15nr trees at Chicken Farm at LCSD areas

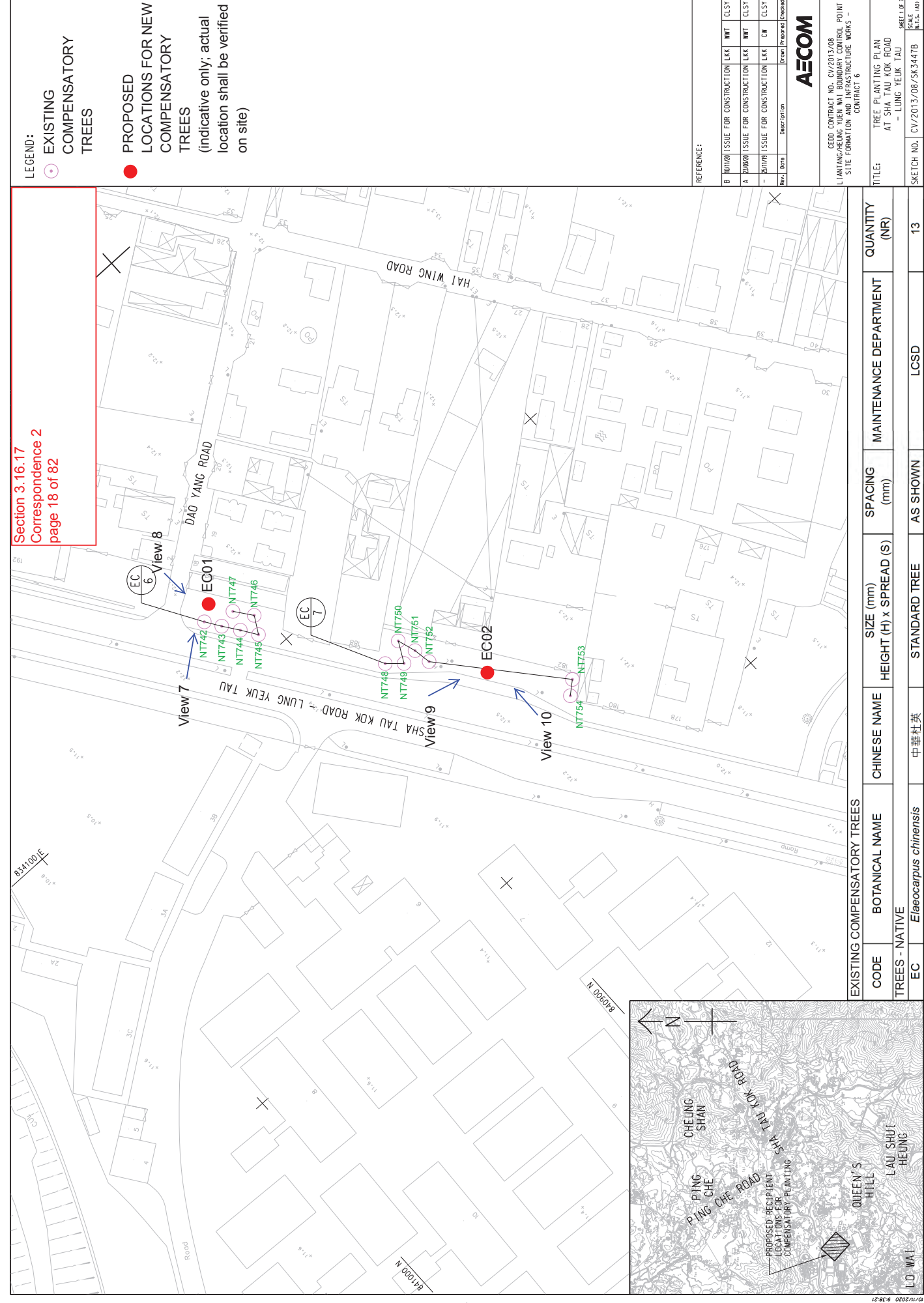
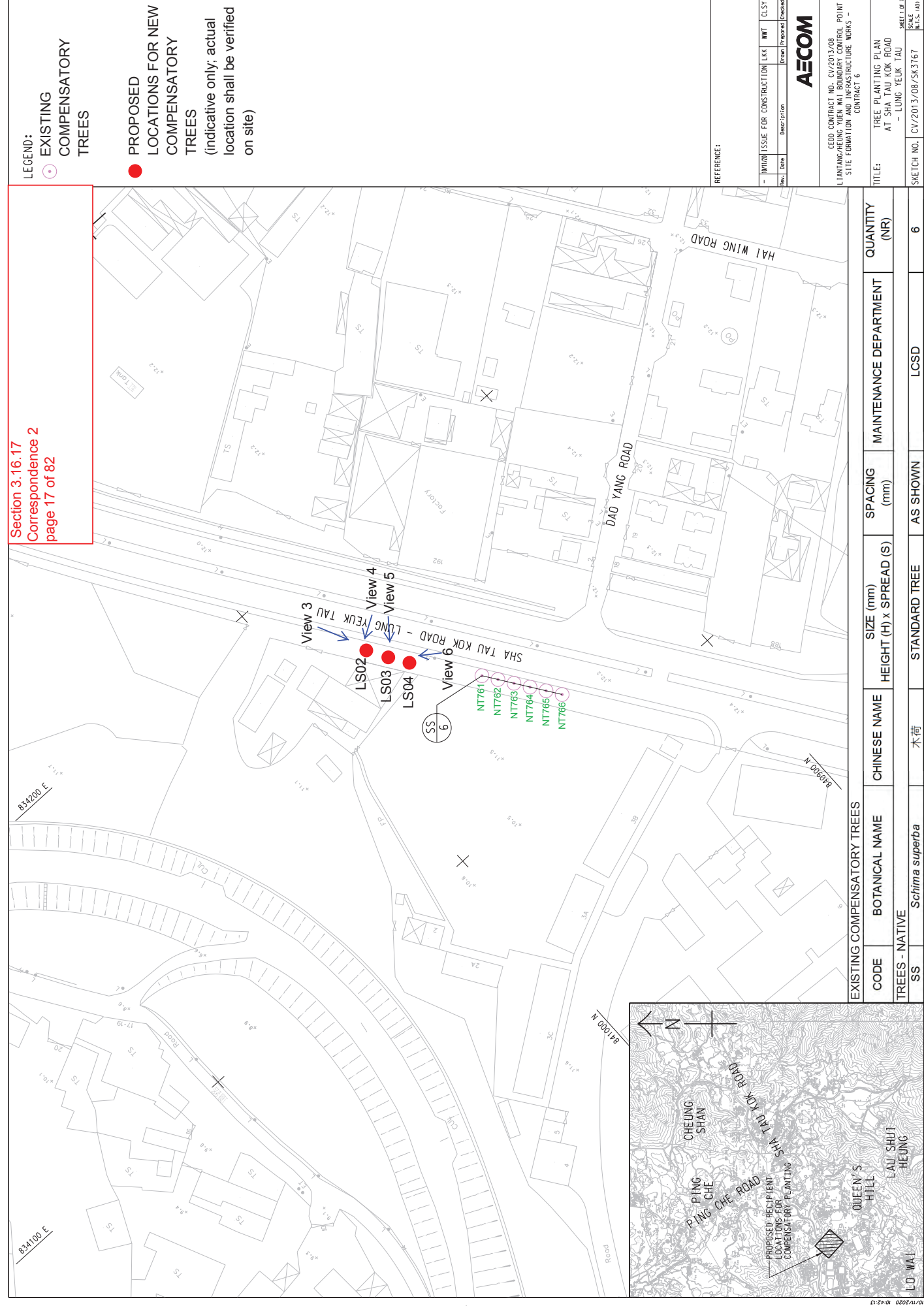


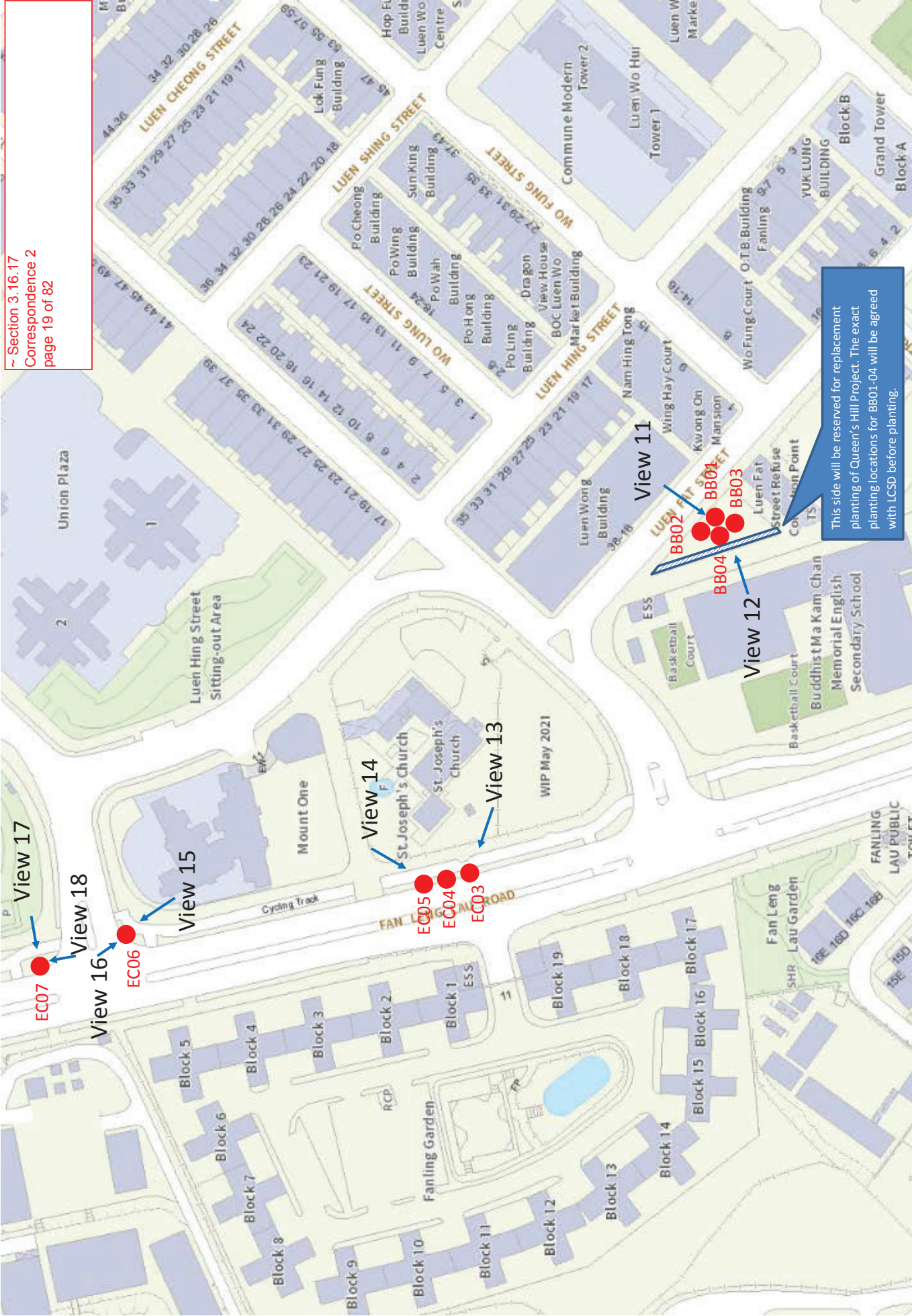
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	MAINTENANCE DEPARTMENT	QUANTITY
EC	<i>Elaeocarpus chinensis</i>	中華杜英	STANDARD TREE	5m	LCSD	2
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	HEAVY STANDARD TREE	5m	LCSD	4
Total						6



CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	MAINTENANCE DEPARTMENT	QUANTITY
BB	<i>Bauhinia x blakeana</i>	洋紫荆	HEAVY STANDARD TREE	5m	LCSD	4
EC	<i>Elaeocarpus chinensis</i>	中華杜英	STANDARD TREE	5m	LCSD	5
Total						9







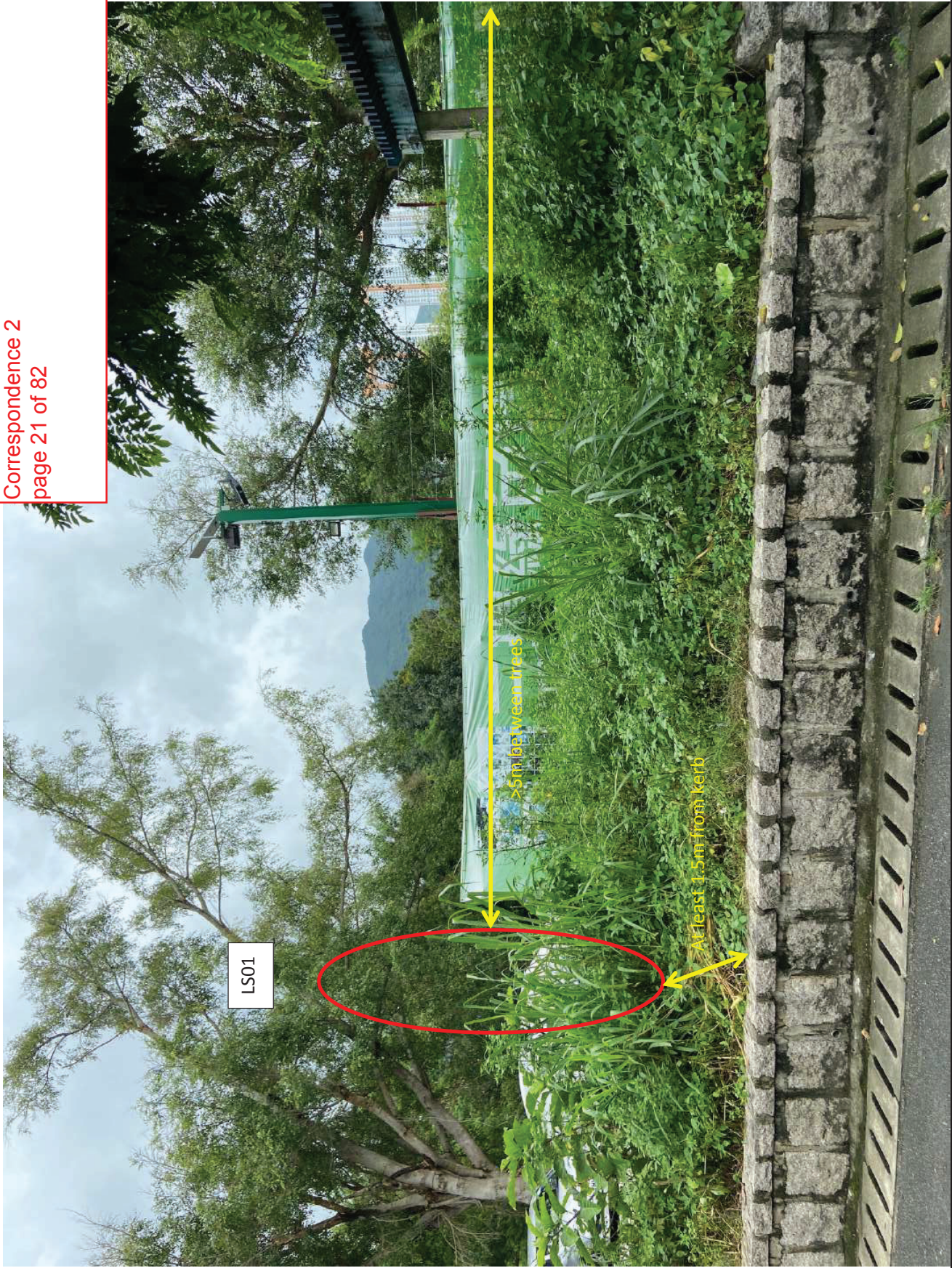
Site Photos

View 1: LS01



View 2: LS01

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View 3: LS02

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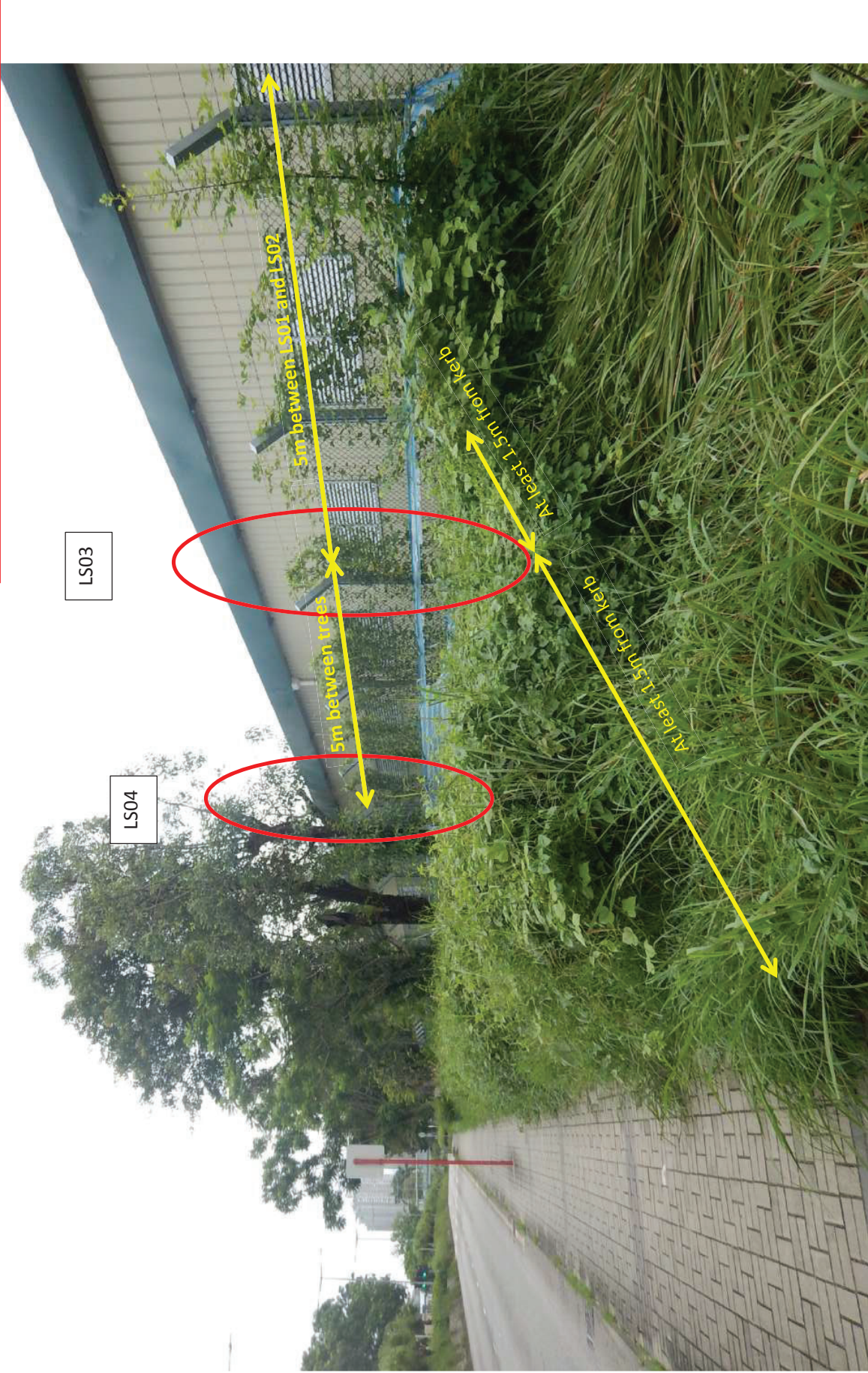
View 4: LS02

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View 5: LS03-04

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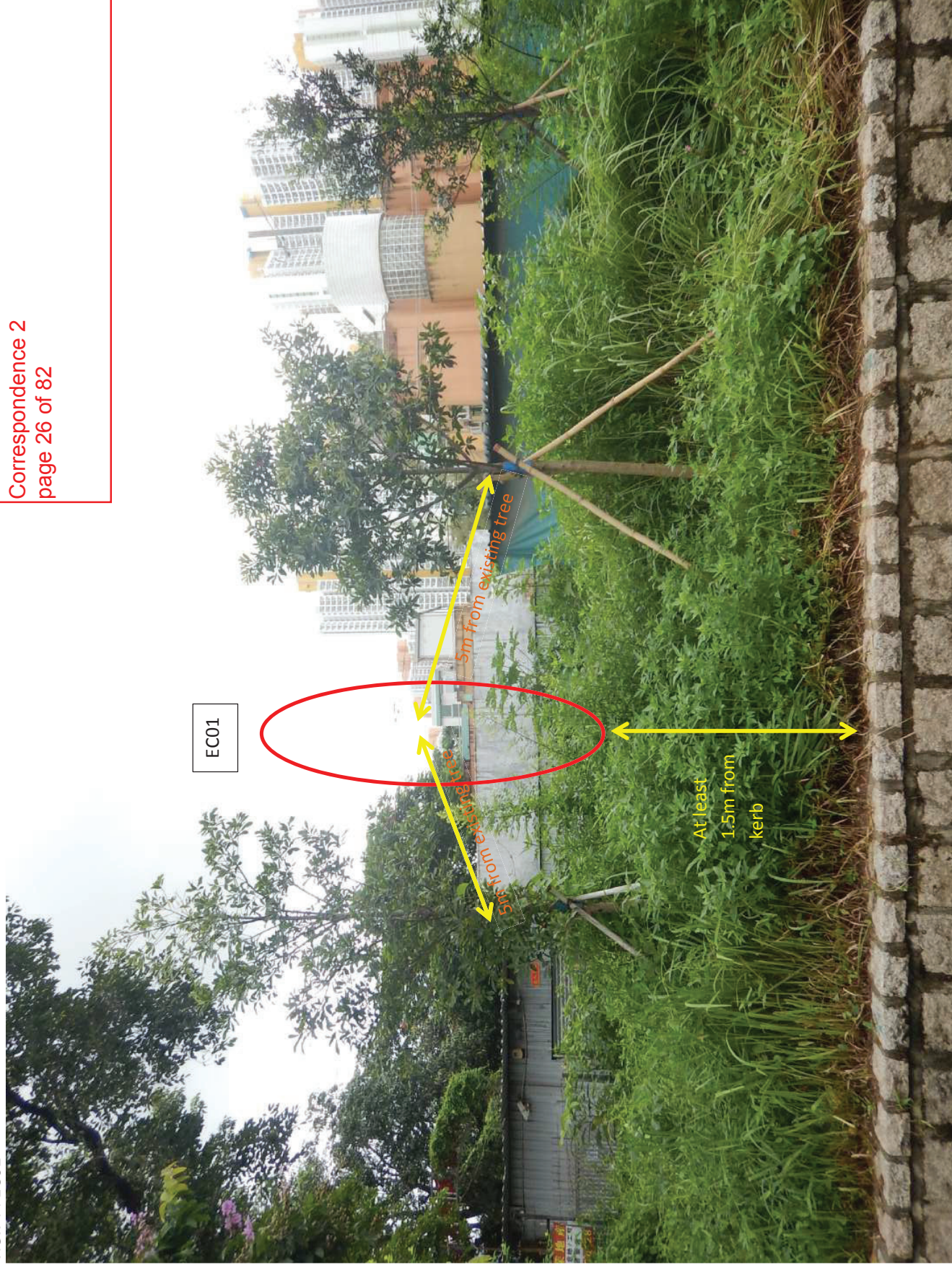
View 6: LS02-03

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View 7: EC01

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View 8: EC01

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View 9: EC02

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View 10: EC02

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View 11: BB01-04

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View 12: BB01-04

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View 13: EC03-05

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View 16: EC06

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View 17: EC07

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From: [NGO Tsz Kei, Twiggy](#)
To: [Sau Han LAM](#)
Cc: [LEUNG Siu Yin, Carol](#); [LAI Sui Fong](#); [Ann YL HO \(aylho@lcsd.gov.hk\)](#); [Chui Ping TANG](#); [YW CHEUK](#)
Subject: RE: Compensatory Trees to be Handed Over to LCSD/NTNTT under Contract 6 (Contract No. CV/2013/08)
Date: Monday, August 23, 2021 4:28:31 PM
Attachments: [Appendix B Trees in this Update.pdf](#)
[Appendix A Extracted pages of Tree Planting Plans in TPRP\(Rev.4\).pdf](#)

Dear Ms. Lam,

I refer to my FO, Amy Lai’s Replanting Proposal submitted via email dated 19 August 2021, and would like to elaborate more on the changes in Compensatory Tree quantities between the submitted TPRP(Rev.4) (dated 18 December 2020) and this update.

In **Table 45** of the 2nd Submission of TPRP (Rev.4), **1211nr** trees and **14nr** palms in North District will be handed over to LCSD.

Proposed Maintenance Departments	Compensatory Planting		
	Trees	Palms	Seedlings
DLO/North			
LCSD	1211	14	-

Among them, they are handed over to LCSD/NTNTT or LCSD/NDLSO under different Contracts:-

Maintenance Department	Trees	Palms	Status
Contract 2 (Contract No. CV/2012/08)			
LCSD/NTNTT	88	-	Handover completed
Contract 5 (Contract No. CV/2013/03)			
LCSD/NTNTT	194	-	Handover completed
Contract 6 (Contract No. CV/2013/08)			
LCSD/NDLSO	26	-	Handover completed
LCSD/NTNTT	903	14	Handover in progress
Total	1211	14	

In this update (according to the as-built record and the Replanting Proposal), we would like to provide the breakdown of the compensatory plantings to be handed over to LCSD/NTNTT under Contract 6 for your acceptance:-

Sketch No. CV/2013/08/	Nr of Trees in the 2 nd Submission of TPRP (Rev.4)	Nr of Trees in this update	Difference	Remarks
SK1561	212	212	-	
SK1565	32	32	-	
SK1566	40	40	-	
SK1570	221	221	-	
SK1574	83	80	-3	In conflict with the proposed bus stop.

SK1575	85	67	-18	Already handed over to LCSD/NTNTT on 31 May 2021; but in conflict with the proposed access to the chicken farm.
SK2120	12	12	-	
SK3724	13	24	+11	The proposed bus stop is cancelled.
SK3379	-	16	+16	Mistakenly counted in LandsD area; but actually within the area to be maintained by LCSD as shown in the demarcation plan.
SK3764	8	8	-	
SK2752	12	12	-	
SK3387	35	34	-1	As-built record.
SK3388	5	5	-	
SK3389	4	-	-4	As-built record.
SK3390	3	3	-	
SK3392	12	12	-	
SK3393	8	8	-	
SK3530	2	2	-	
SK3447	13	19	+6	Additional compensation for trees lost due to the proposed access to the chicken farm.
SK3448	6	6	-	
SK3449	10	10	-	
SK3450	25	25	-	
SK3451	6	-	-6	As-built record.
SK3452	9	9	-	
SK3453	4	4	-	
SK3793	43	43	-	
SK3767	-	13	+6	As-built record
			+7	Additional compensation for trees lost due to the proposed access to the chicken farm .
OS-001	-	2	+2	Additional compensation for trees lost due to the proposed access to the chicken farm.
Total	903	919	+16	Keep the balance (i.e. 919 circles) as shown in the

				demarcation plans.
--	--	--	--	--------------------

Yellow highlights represents change of figures as proposed in the Replanting Proposal submitted via email dated 19 August 2021.

Green highlights keeps the balance of tree as shown in demarcation plans in the second submission of TPRP (Rev.4) submitted on 18 December 2020.

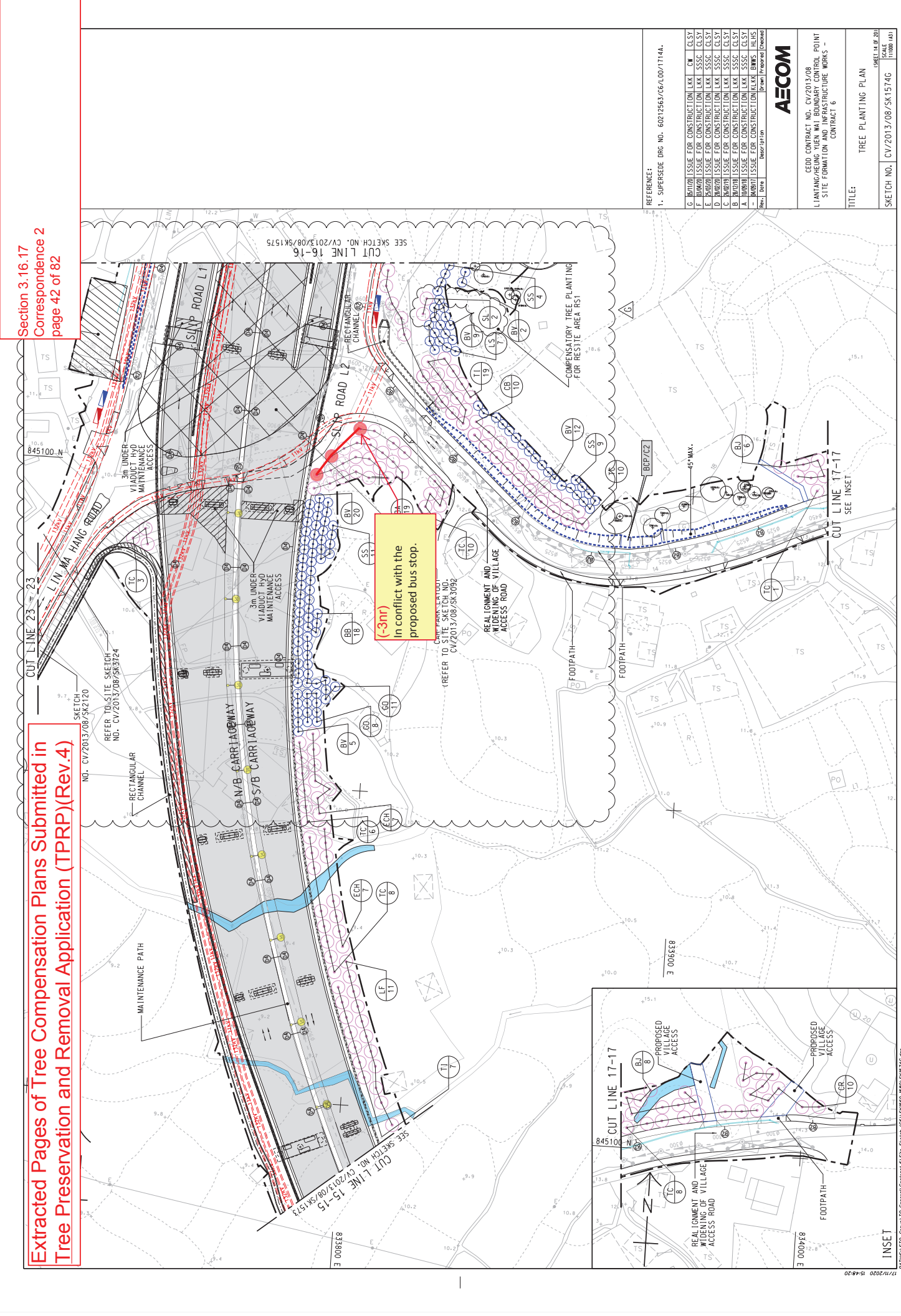
You may refer to **Appendix A** and **Appendix B** for a detailed comparison of the changes. For any question, please feel free to contact the undersigned.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

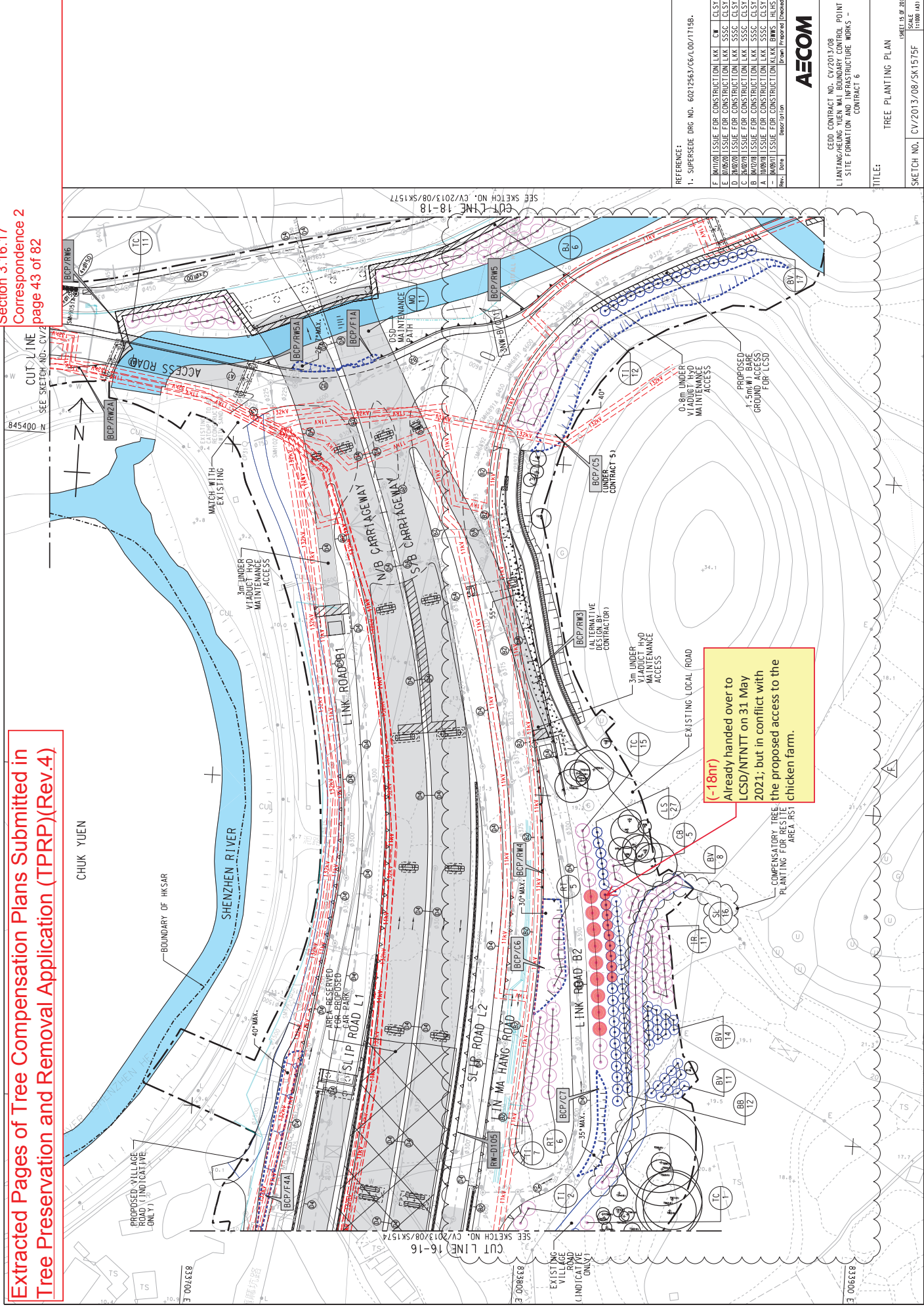
Tel: 6321 5018 / 2251 0604

Appendix A



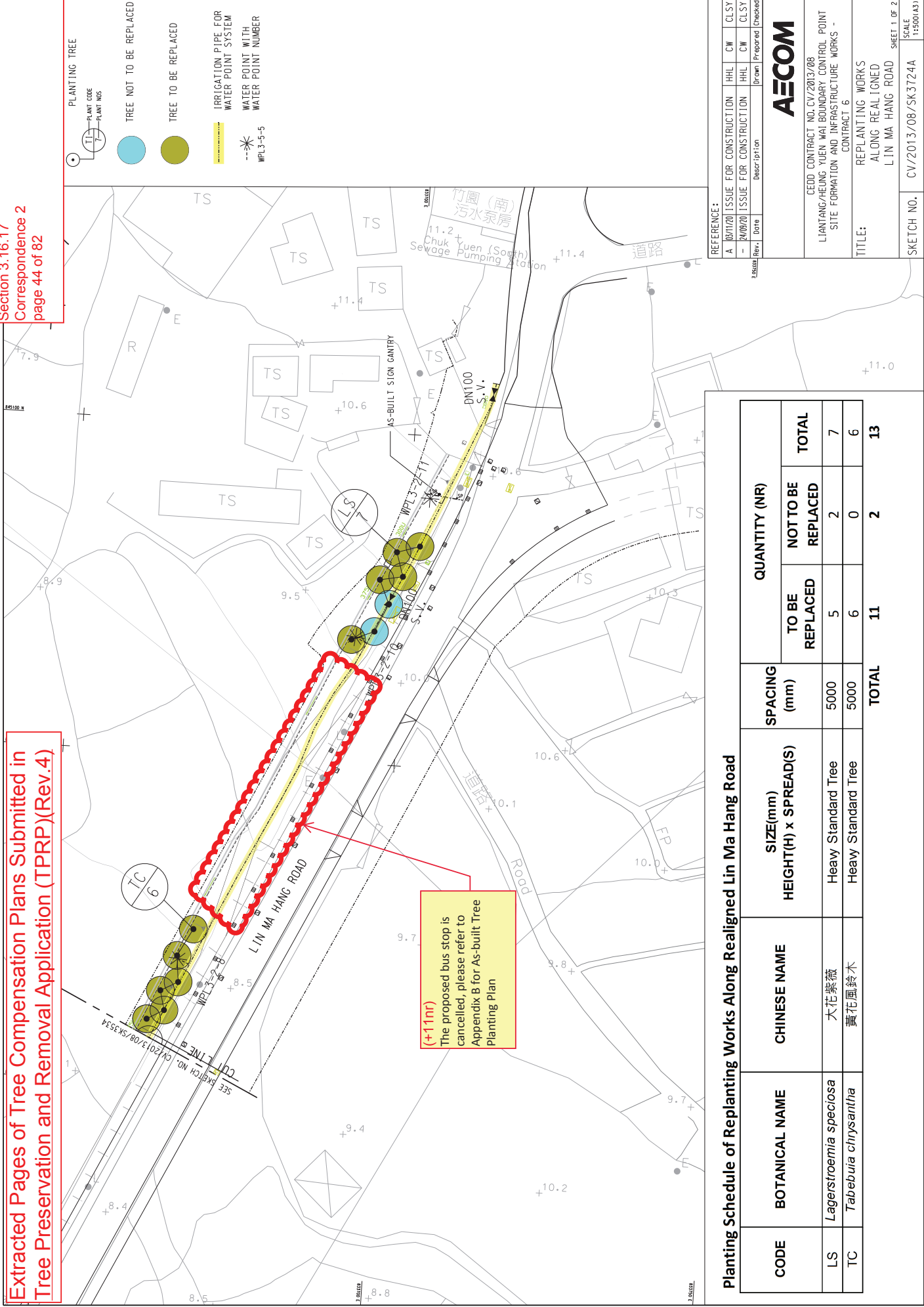
Extracted Pages of Tree Compensation Plans Submitted in
Tree Preservation and Removal Application (TPRP)(Rev.4)

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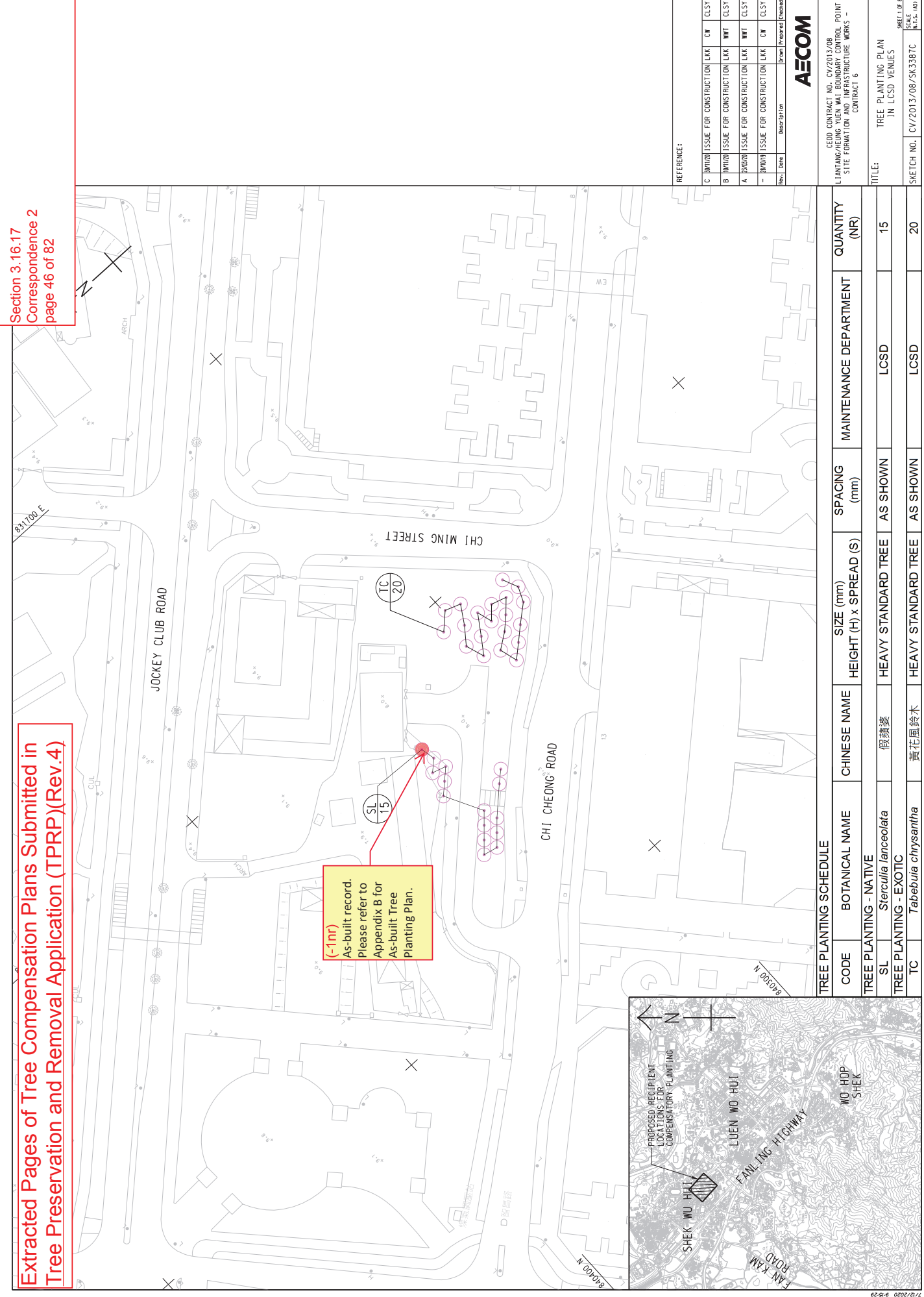
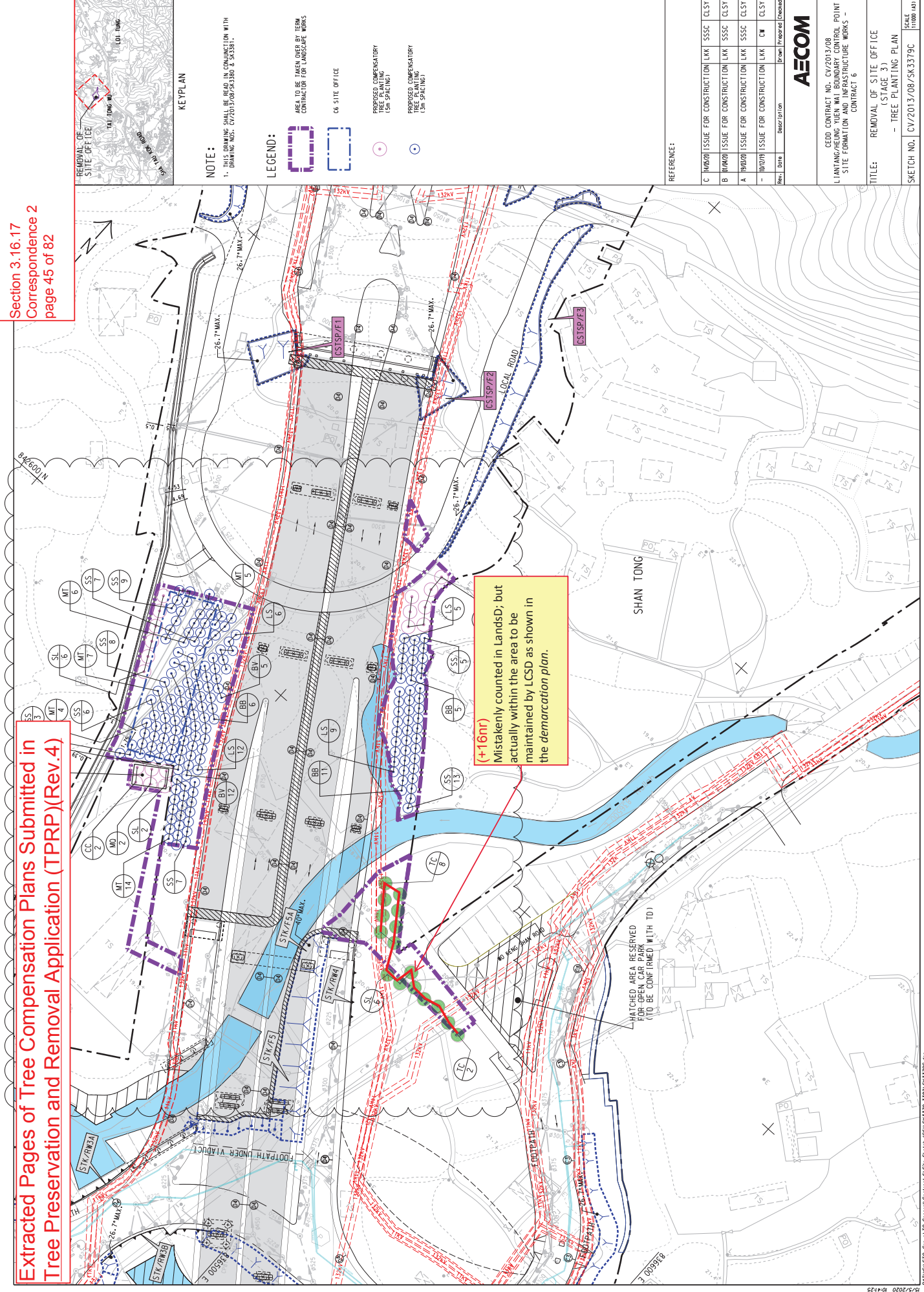
Extracted Pages of Tree Compensation Plans Submitted in
Tree Preservation and Removal Application (TPRP)(Rev.4)

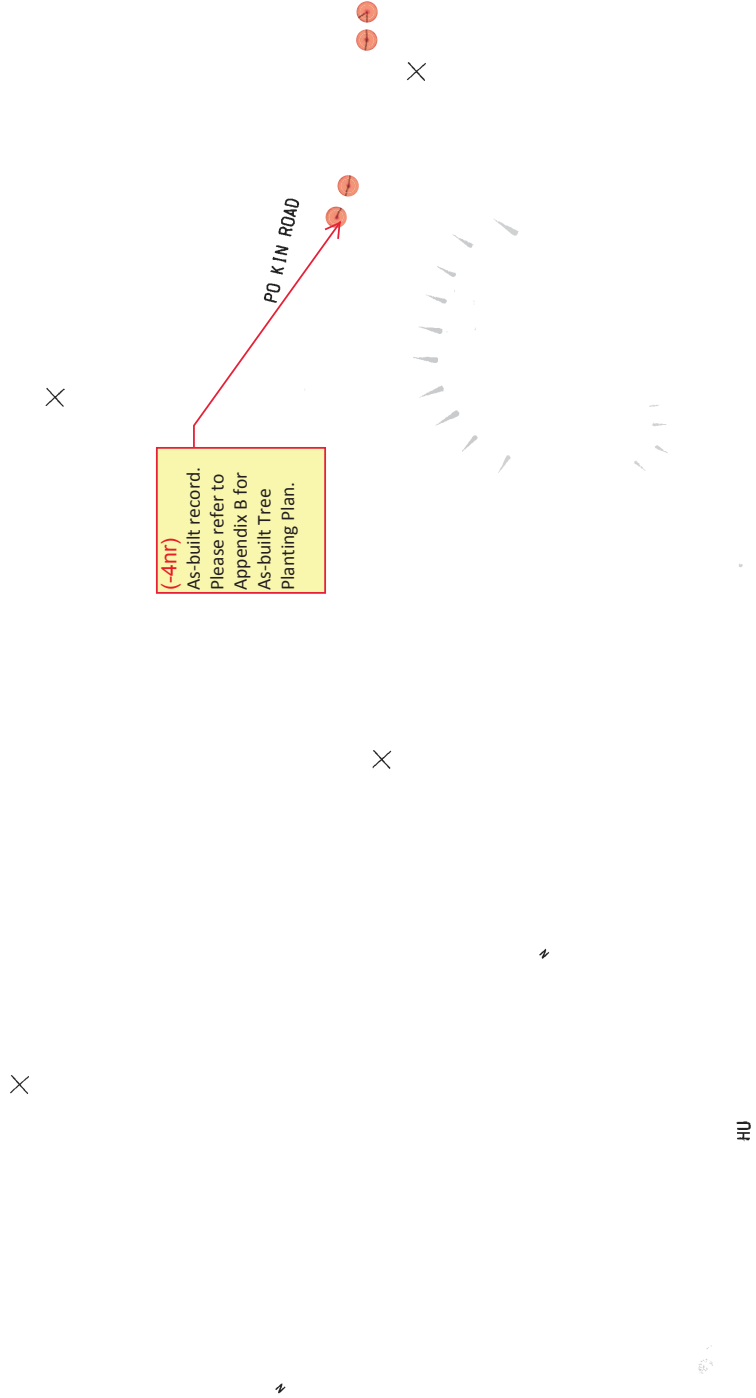
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Planting Schedule of Replanting Works Along Realigned Lin Ma Hang Road

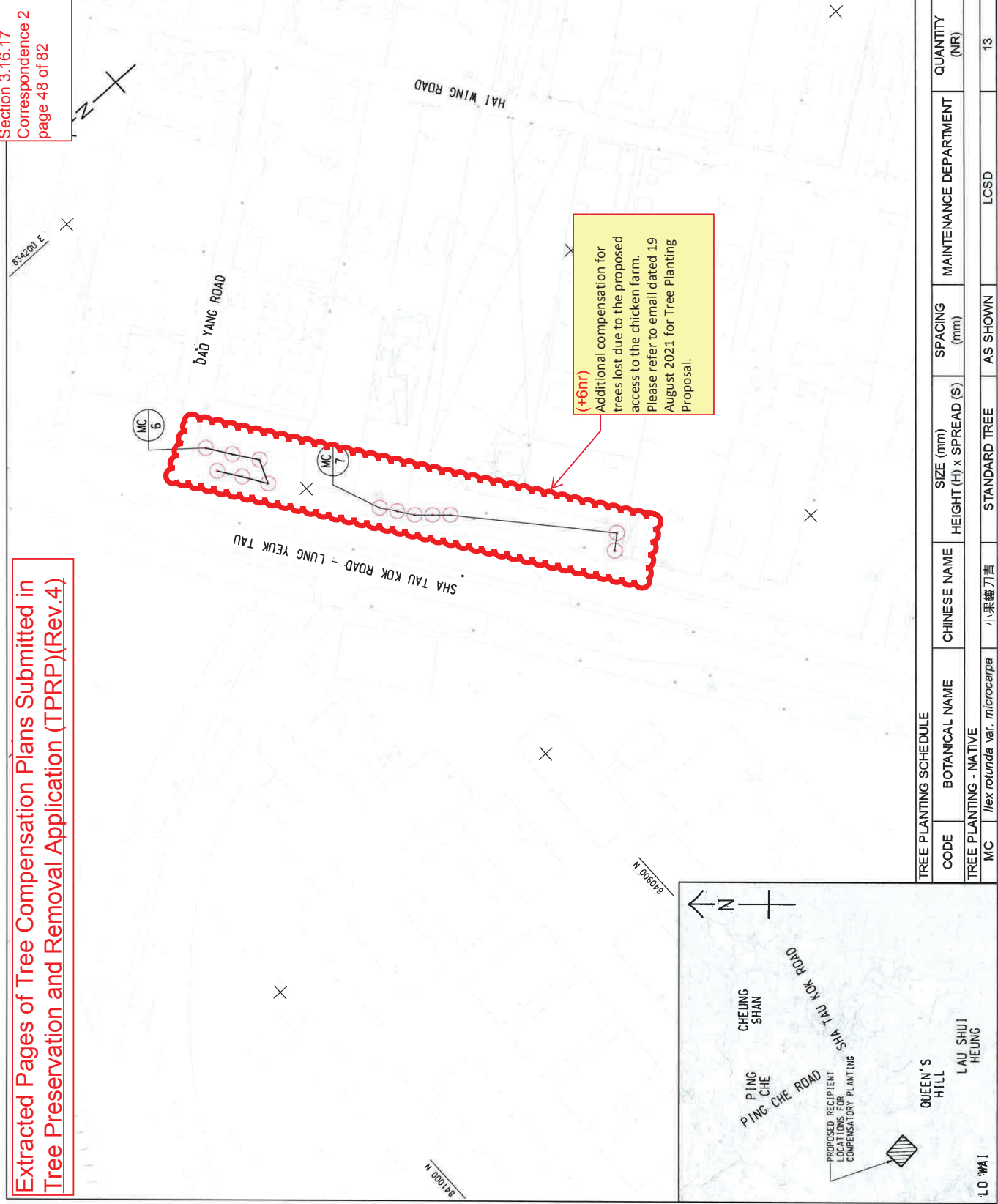
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD(S)	SPACING (mm)	QUANTITY (NR)		
					TO BE REPLACED	NOT TO BE REPLACED	TOTAL
LS	Lagerstroemia speciosa	大花紫薇	Heavy Standard Tree	5000	5	2	7
TC	Tabebuia chrysantha	黃花風鈴木	Heavy Standard Tree	5000	6	0	6
TOTAL					11	2	13





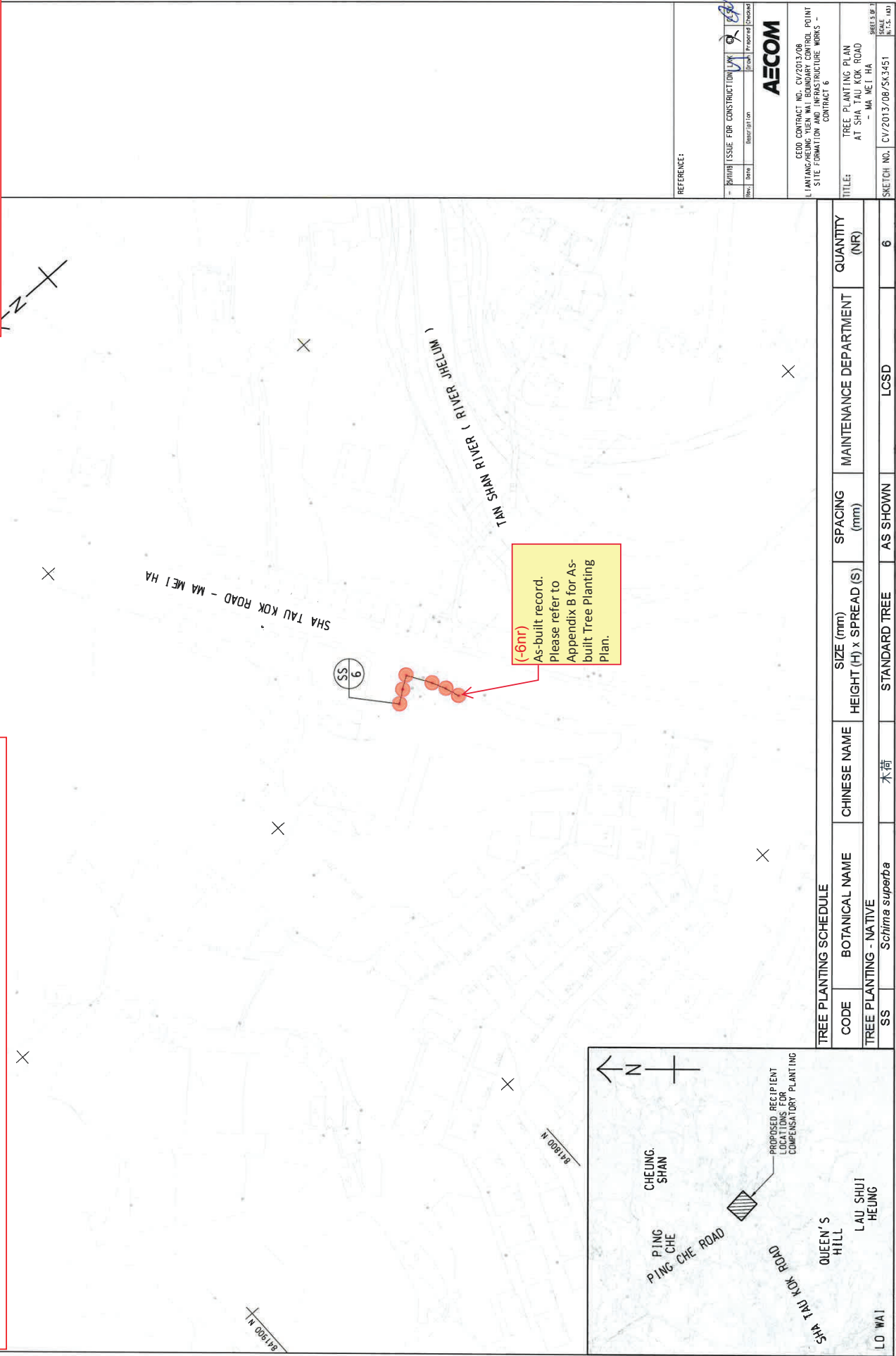
REFERENCE				
A	ISSUE FOR CONSTRUCTION			
	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
	Revised	Revised	Revised	Revised
CEDO CONTRACT NO. CV/2013/08 LIJIANFANG/HEJING YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6				
TREE PLANTING PLAN IN LCSD VENUES				
NO. CV/2013/08/SC3389A				
1:5,000				

24/11/2020 9:13:00



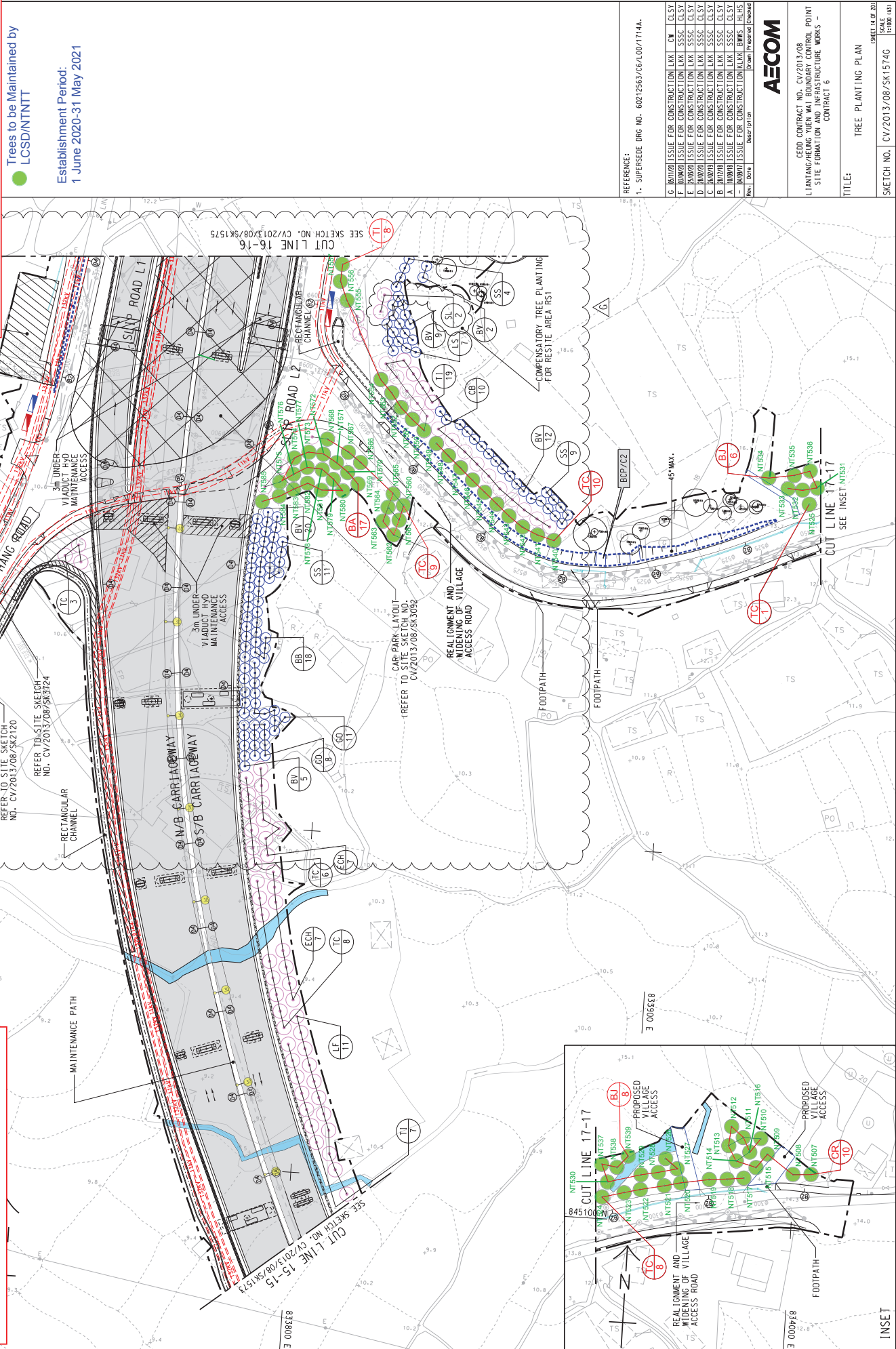
REFERENCE				
A	ISSUE FOR CONSTRUCTION			
	ISSUE FOR CONSTRUCTION	LKK	CW	CLSY
	Revised	Revised	Revised	Revised
CEDO CONTRACT NO. CV/2013/08 LIJIANFANG/HEJING YUEN WAI BOUNDARY CONTROL POINT SITE FORMATION AND INFRASTRUCTURE WORKS - CONTRACT 6				
TREE PLANTING PLAN AT SHA TAU KOK ROAD - LUNG YEUK TAU				
NO. CV/2013/08/SC3447A				
1:5,000				

24/11/2020 9:13:00



As built drawing:
Trees handed over to LCSD on 31 May 2021

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Trees to be Maintained by
LCSD/NTNT

Establishment Period:
1 June 2020-31 May 2021

REFERENCE:
1. SUPERSEDE DRG NO. 6021563/C6/00/1714A.

G	BAV001	ISSUE FOR CONSTRUCTION L&K	CM	CLST
F	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
E	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
D	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
C	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
B	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
A	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
-	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST

Revised Date: 1 June 2020
Prepared By: [Signature]

AECOM

CEED CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

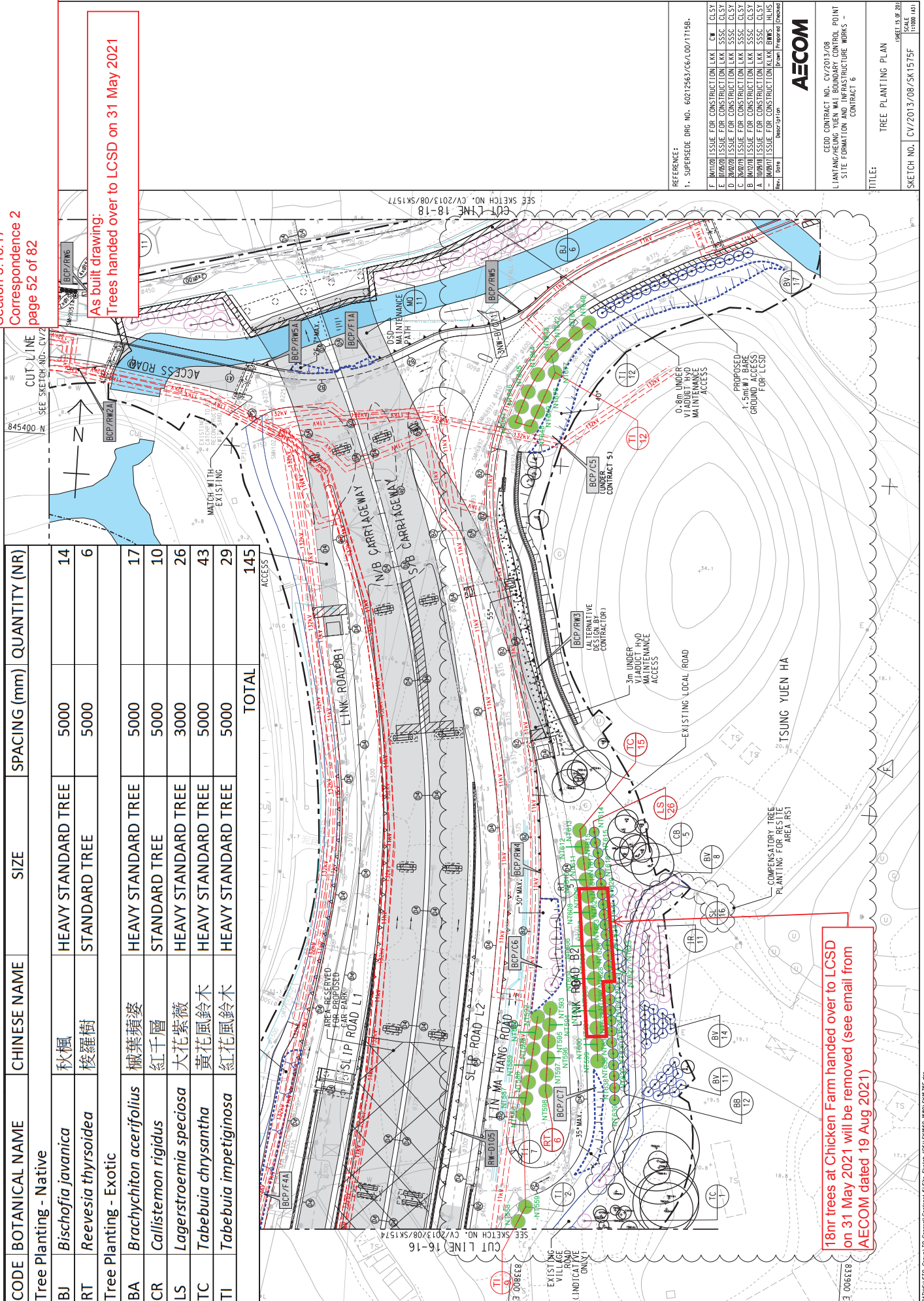
TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1574G
SCALE 1:1000 (A1)

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As built drawing:
Trees handed over to LCSD on 31 May 2021

CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	QUANTITY (NR)
Tree Planting - Native					
BJ	<i>Bischofia javanica</i>	秋楓	HEAVY STANDARD TREE	5000	14
RT	<i>Reevesia thyrsoides</i>	梭羅樹	STANDARD TREE	5000	6
Tree Planting - Exotic					
BA	<i>Brachychiton acerifolius</i>	槭葉蘋婆	HEAVY STANDARD TREE	5000	17
CR	<i>Callistemon rigidus</i>	紅千層	STANDARD TREE	5000	10
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	HEAVY STANDARD TREE	3000	26
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	HEAVY STANDARD TREE	5000	43
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	HEAVY STANDARD TREE	5000	29
TOTAL					145



18m trees at Chicken Farm handed over to LCSD
on 31 May 2021 will be removed (see email from
AECOM dated 19 Aug 2021)

Trees to be Maintained by
LCSD/NTNT

Establishment Period:
1 June 2020-31 May 2021

REFERENCE:
1. SUPERSEDE DRG NO. 6021563/C6/00/1715B.

F	BAV001	ISSUE FOR CONSTRUCTION L&K	CM	CLST
E	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
D	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
C	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
B	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
A	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST
-	BAV001	ISSUE FOR CONSTRUCTION L&K	SSSC	CLST

Revised Date: 1 June 2020
Prepared By: [Signature]

AECOM

CEED CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
TREE PLANTING PLAN

SKETCH NO. CV/2013/08/SK1575F
SCALE 1:1000 (A1)

As built drawing

KAW LIU VILLAGE

Section 3.16.17
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Planting Schedule of Replanting Works Along Realigned Lin Ma Hang Road				
CODE	BOTANICAL NAME	CHINESE NAME	SIZE(mm) HEIGHT(H) x SPREAD(S)	SPACING (mm)
LS	Lagerstroemia speciosa	大花紫薇	Heavy Standard Tree	5000
TC	Tabebuia chrysantha	黃花風鈴木	Heavy Standard Tree	5000
TOTAL			19	5
			NOT TO BE REPLACED	TOTAL
			7	12
			5	0
			5	24

REFERENCE:

Rev.	Date	Issue For Construction	HHL	CM	CLSY
1	2013/08/08	Designation	Drawn	Prepared	Checked

AECOM

CEED CONTRACT NO. CV/2013/08
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT
SITE FORMATION AND INFRASTRUCTURE WORKS -
CONTRACT 6

TITLE:
REPLANTING WORKS
ALONG REALIGNED
LIN MA HANG ROAD

SHEET NO.
CV/2013/08/SK3724

SCALE
1:1500(A3)

As-built drawing

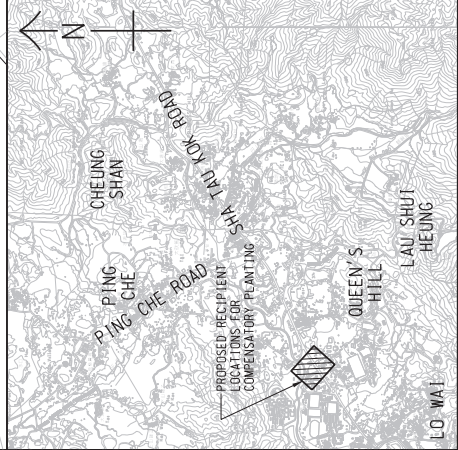
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As-built drawing

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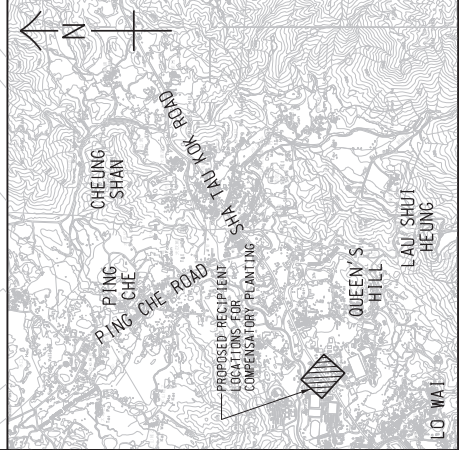
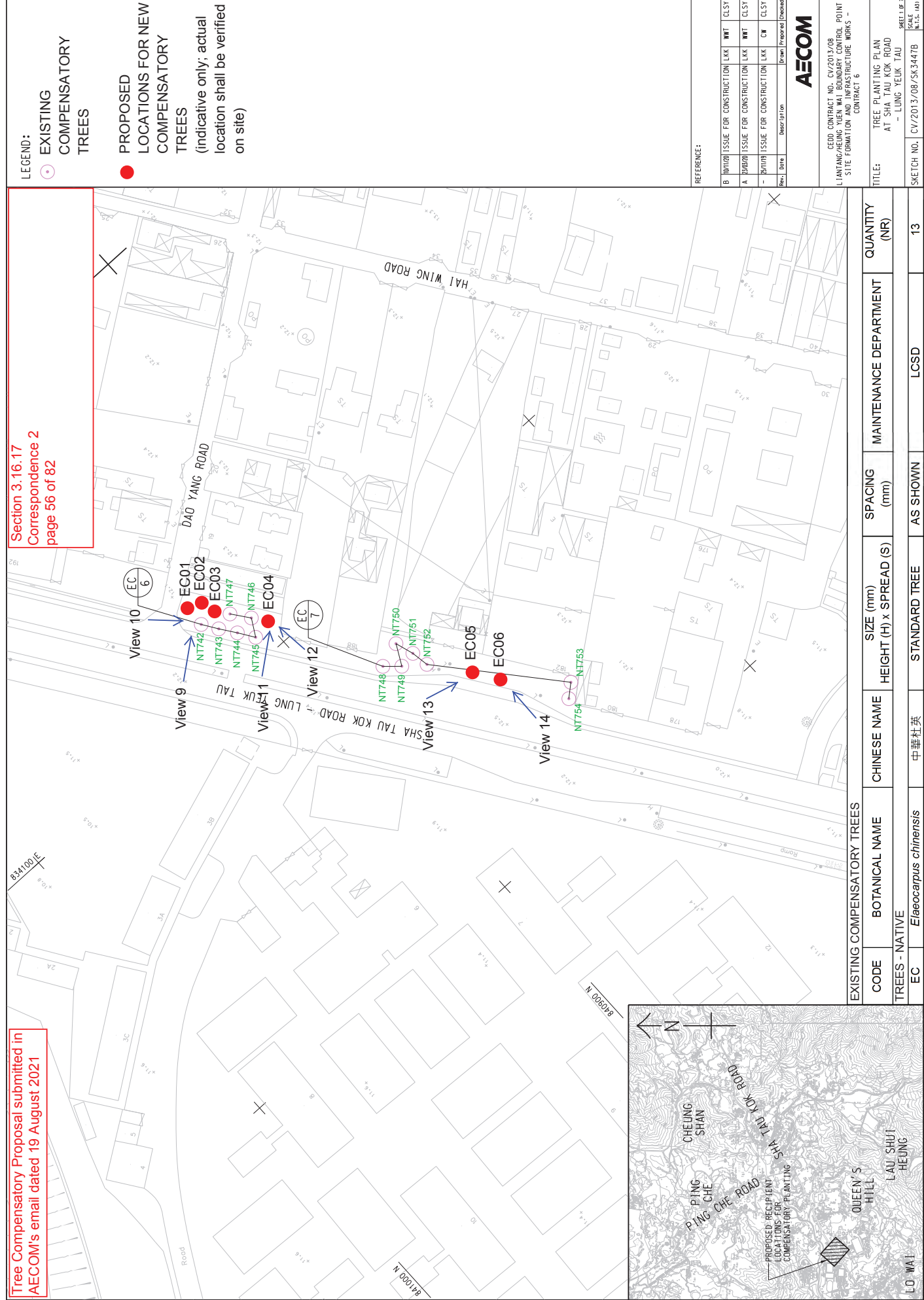
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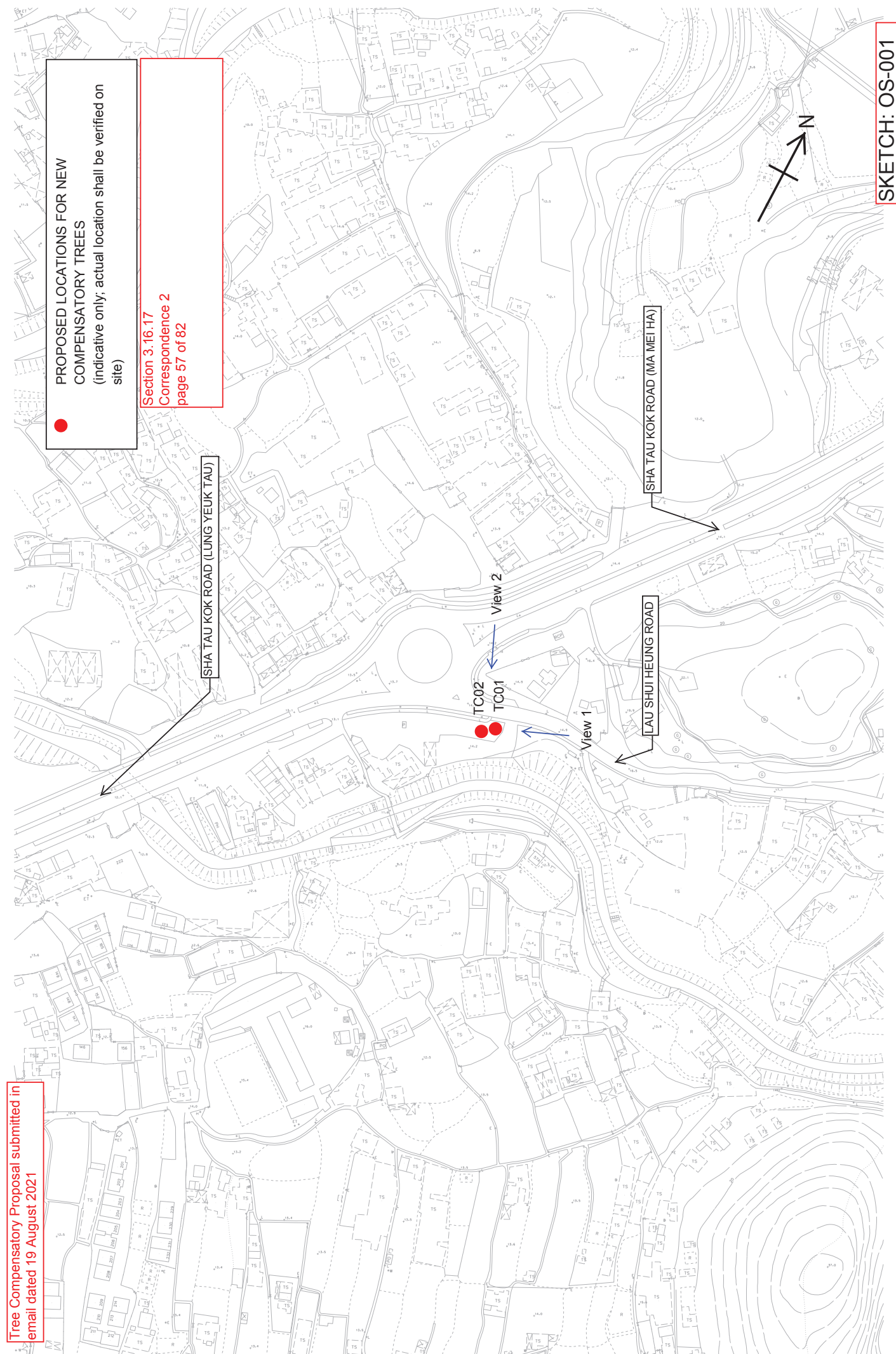
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Tree Compensatory Proposal submitted in AECOM's email dated 19 August 2021

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Correspondence 2
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LEUNG Siu Yin, Carol

Section 3.16.17
Correspondence 2
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From: lensd5@landsd.gov.hk
Sent: Monday, August 30, 2021 2:14 PM
To: LEUNG Siu Yin, Carol
Cc: Lam Shu, Albert; WONG Chi Ho, Anthony; LUK Eddie Chi Kin; "lenlec3@landsd.gov.hk"@Remark.Internal_Address_Not_For_Reply_From_Internet; lhkwok@cedd.gov.hk; LAI Sui Fong; NGO Tsz Kei, Twiggy; lenlec3@landsd.gov.hk; slenlec@landsd.gov.hk; slensd2@landsd.gov.hk
Subject: Re: FW: Proposals of relocation of compensatory plantings
Attachments: Proposal 2.pdf; Proposal 1.pdf; correspondence 1.pdf; Site photos of Existing Village Access Road connecting to LMH Rd.pdf; Notes of Meeting (20190716) - TMO LandsD CEDD_r1 (DLON)(dd2019-09-03).docx; Boundary Fence.jpg

Dear Carol,

I refer to your preceding email. please find our comments for the 2 issues as follow. Thank you.

Issue 1

1. For the vehicular access in village area with a dropped kerb for run-in/out at Slip Road B2, please identify the maintenance responsibility if it is for vehicular use.
2. For the location change of the 23 as-planted compensatory trees proposed to be handed over to this office for ad hoc maintenance, please ensure that the criteria of item. 2.3 at the attached notes of meeting could be fulfilled.

3. For chain link fence going to be installed/amended, please find the specification below for your reference.

Issue 2

1. It is given to understand that DSD will take up ad hoc maintenance for the proposed shotcrete pavement. In this regard, this office has no objection to take up the management responsibility of the concerned area.
2. As regards the change in locations of the 42 as-planted compensatory trees which will also be handed over to this office for ad hoc maintenance, please ensure that the criteria mentioned in point 2 of issue 1 above could be fulfilled.

By copy of this email, @Kelly (LE/C3) please advise if you have any comments. Thank you.

Best regards,
Lincoln YIP
Land Executive/Special Duties 5,
District Lands Office, North
Tel No.: 2675 1506

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as appropriate. Any liability arising from the use of this

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From: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>
To: "lensd5@landsd.gov.hk" <lensd5@landsd.gov.hk>, "lenlec3@landsd.gov.hk" <lenlec3@landsd.gov.hk>, "lensd1@landsd.gov.hk" <lensd1@landsd.gov.hk>, "lensd2@landsd.gov.hk" <lensd2@landsd.gov.hk>, "lensd4@landsd.gov.hk" <lensd4@landsd.gov.hk>
Cc: "Lam Shu, Albert" <albertlam@cedd.gov.hk>, "lhkwok@cedd.gov.hk" <lhkwok@cedd.gov.hk>, "WONG Chi Ho, Anthony" <anthony.wong@lt-aecom.com>, "LUK Eddie Chi Kin" <eddie.luk@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, LAI Sui Fong <s.f.lai@lt-aecom.com>
Date: 24/08/2021 16:58
Subject: FW: Proposals of relocation of compensatory plantings

Dear Lincoln,
Further to the discussion with you, you are aware that 2nr site issues happen recently and lead to the necessity of relocation of as-built compensatory plantings at UUGL.

Issue 1-New unpaved access near the chicken farm at Lin Chuk Path

Under the Contract provision, there was a re-provisioned vehicular access connecting the existing village path and the works was completed. However, Transport Department later commented that the vehicular access "*shall allow fire services appliances to operate in the event of emergency*". Due to the site constraint, it was examined technically unfeasible to further modify the subject vehicular access in response to TD's comment.

Further liaisons with the local villagers and relevant authorities were then conducted, the proposal of a vehicular access similar to the other vehicular accesses in village area with a dropped kerb for run-in/out at Slip Road B2 was finally adopted. Details of liaisons and departmental agreement refer to **correspondence 1**

This proposal had affected a total of **41nr** as-built compensatory trees with approximate **365mqm** shrub planting. Of which, **18nr** compensatory trees had been handed over to NTNTT/LCSD in May 2021, while the other **23nr** will be handed over to DLO/N on 30 September 2021 for ad hoc maintenance.

In order not to affect the compensatory planting proposal as committed in TPRP (Rev. 4), LCSD was notified and agreed to re-provide the **18nr** LCSD roadside trees at other off-site LCSD venues in North District. Details of off-site re-provisioned compensatory planting proposal is under liaison with LCSD.

Noting that the exiting temporary access near the chicken farm will be demolished and reinstated with landscaped area to match with the vicinity, we propose to relocate the **23nr** as-built compensatory trees at the reinstated landscaped area (i.e. approximate 532sqm), and handover to DLO/N. Alignment of chain-link fence will be slightly adjusted to cordon off repositioned compensatory trees. Details of the Proposal of Relocation of as-built compensatory Planting at Chicken Farm is enclosed in **Proposal 1**.

Since the original village access was the only access to connect the chicken farm with LMH road and it had not been enclosed. It is considered reasonable to maintain new unpaved access unblocked. (see attached site photos)

Issue 2- Flooding at Kong Yiu River

2 times of serious flooding recently happen at Kong Yiu River. We noted that DLO/N had no objection to remove the as-built landscape softworks (i.e. **42nr trees**) and replace it with shortcrete. With the same concern on the TPRP (rev.4) as mentioned at above, we propose to re-provide **42nr** compensatory trees at the UUGL of Sha Tau Kok. Details of the Proposal of Re-provision of as-built compensatory Planting for Kong Yiu River Flooding Incident is enclosed in **Proposal 2**

Due to the limitation of site area, it is unavoidable to propose different trees species and planting spacing to suit the planting area. In **Proposal 2**, we propose to alternate 42nr large trees species in heavy standard with a same quantity of medium trees in heavy standard. The planting spacing is slightly adjusted from 5m to 3m.

We confirm that both proposal 1 and 2 will not violate the principle of compensatory planting as committed in the TPRP Rev.4 as the same quantity of compensatory trees with same size of DBH will be provided. All re-provisioned or

relocated trees are common species, they can be self-sustained after establishment and no regular maintenance is required. As agreed with DLO/N, no revision submission of TPRP is required but supplementary information is necessary

Program of Handover

According to current handover schedule, all vegetation at UUGL under Contract 6, except those to be in place after demolition of the Engineer Site Office, will be formally handed over to DLO/N on 30 September 2021. We now propose to defer the handover of 23nr trees involved in issue 1 tentatively in January 2021, upon the completion of new unpaved access. For the 42nr trees involved in issue 2, we propose to execute the re-provision of the tree plantings as soon as possible and hand over them to DLO/N on 30 September 2021.

Should you have no comment, we formally incorporate the issues 1 and 2 into the supplementary information for TPRP rev.4 and submit to your shortly.

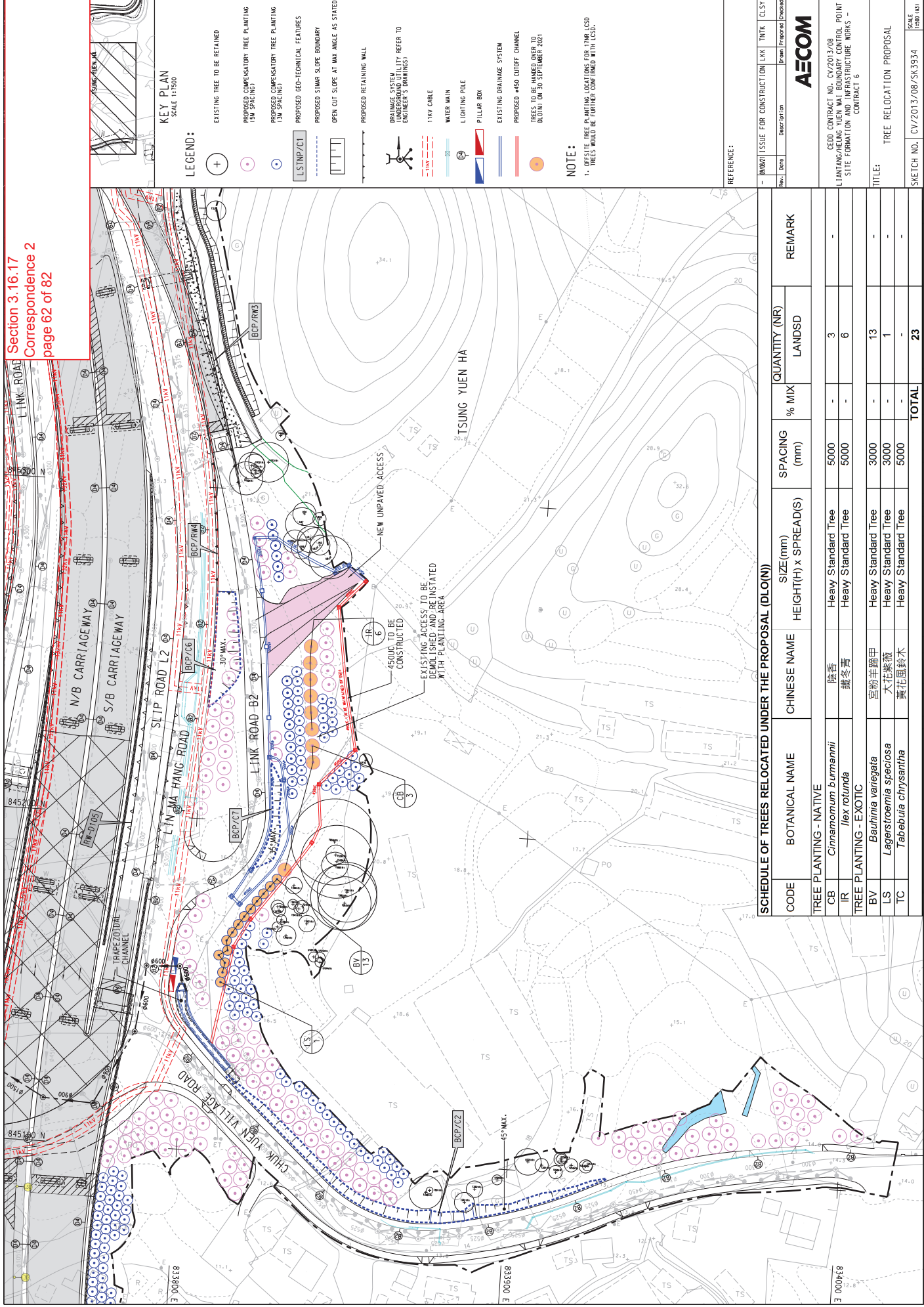
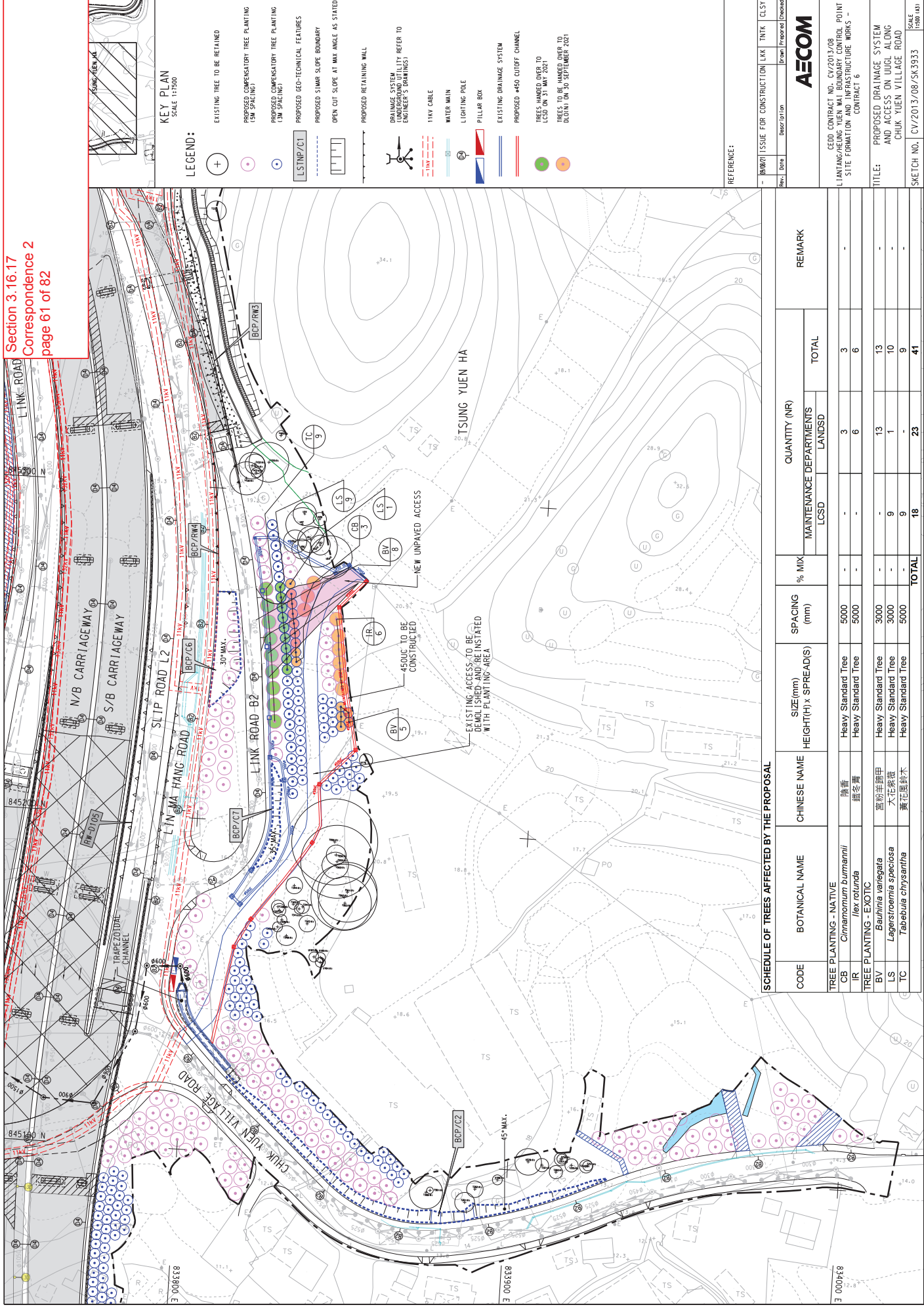
Thank you!

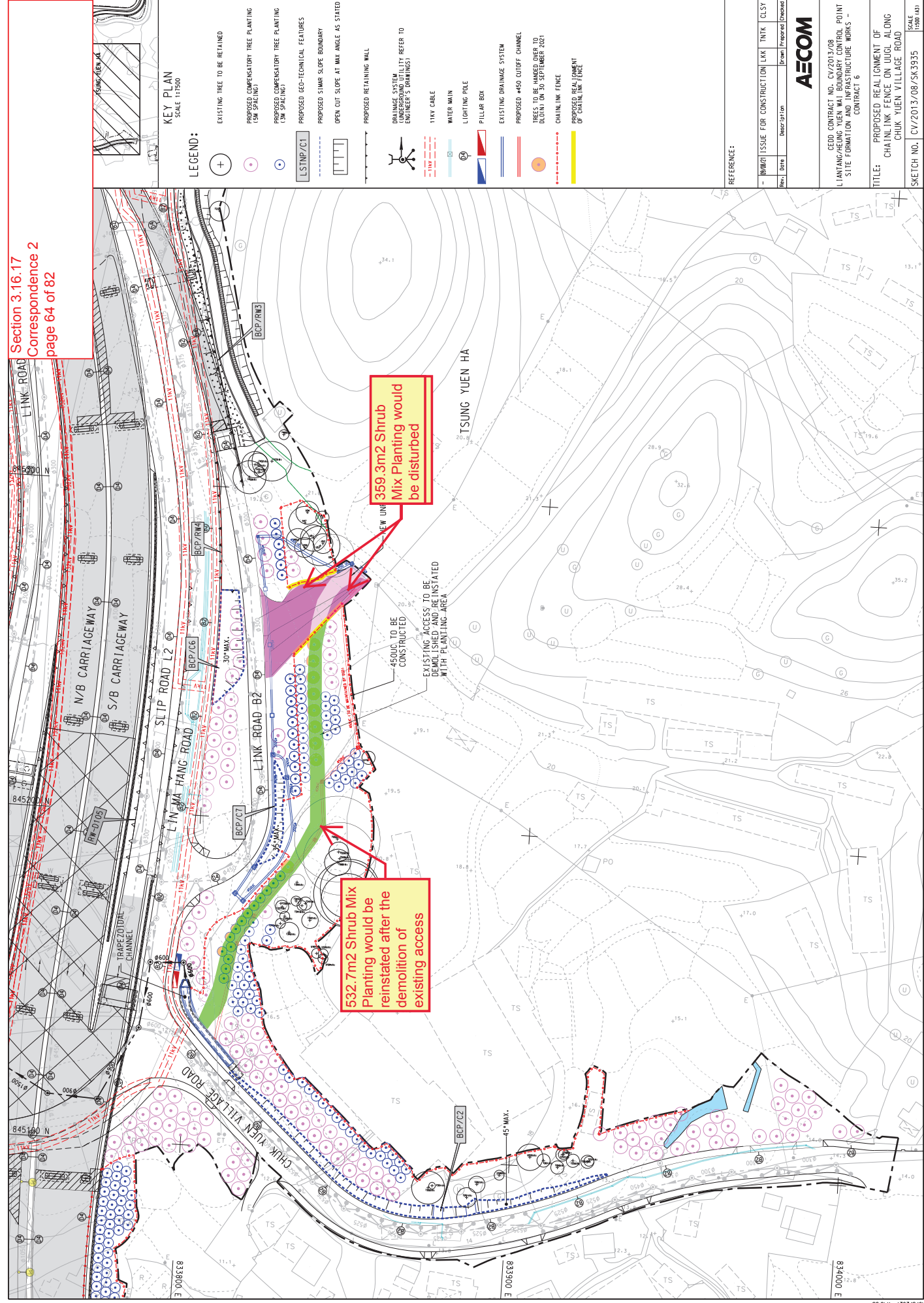
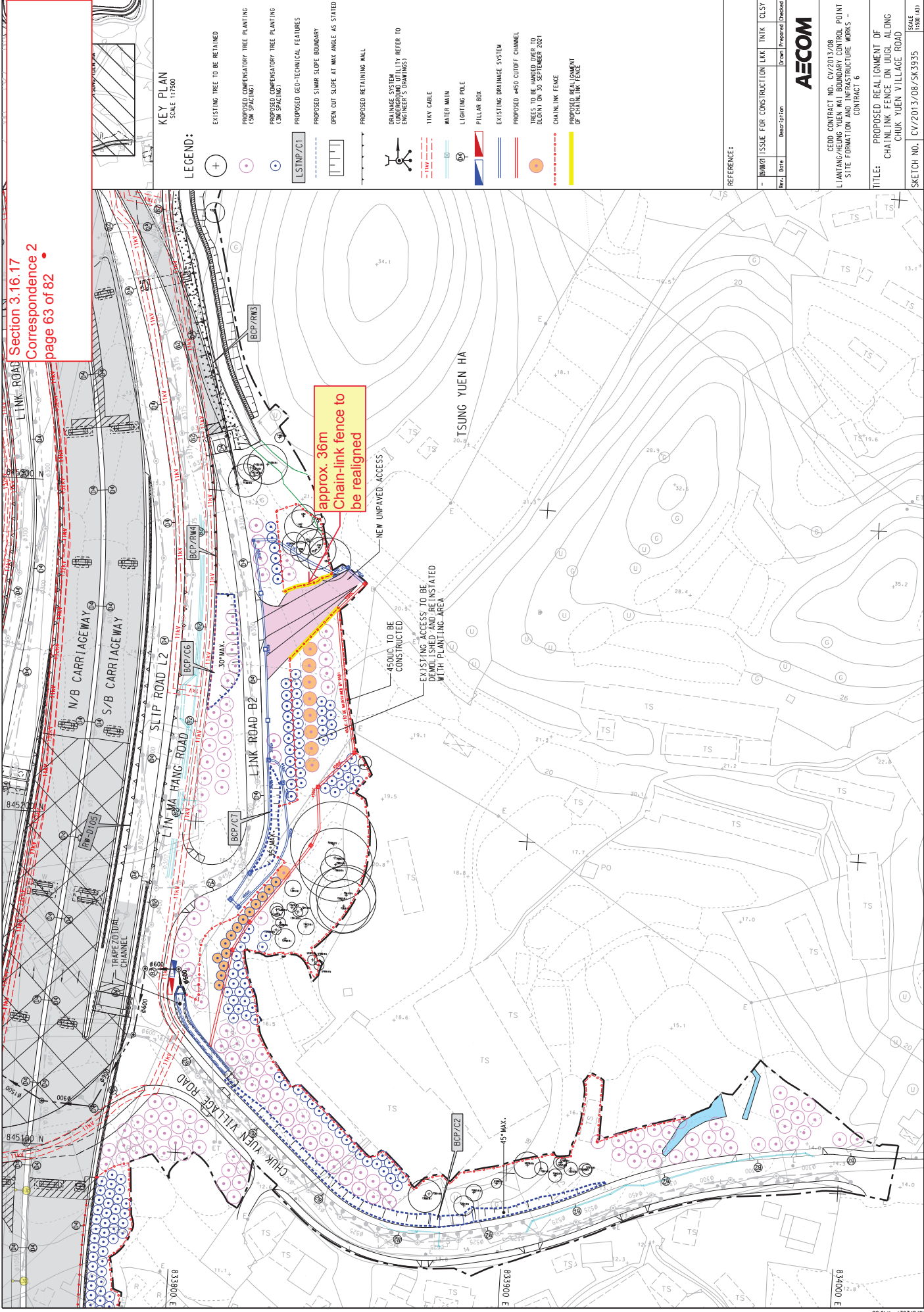
Regards,
Carol LEUNG
Senior Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

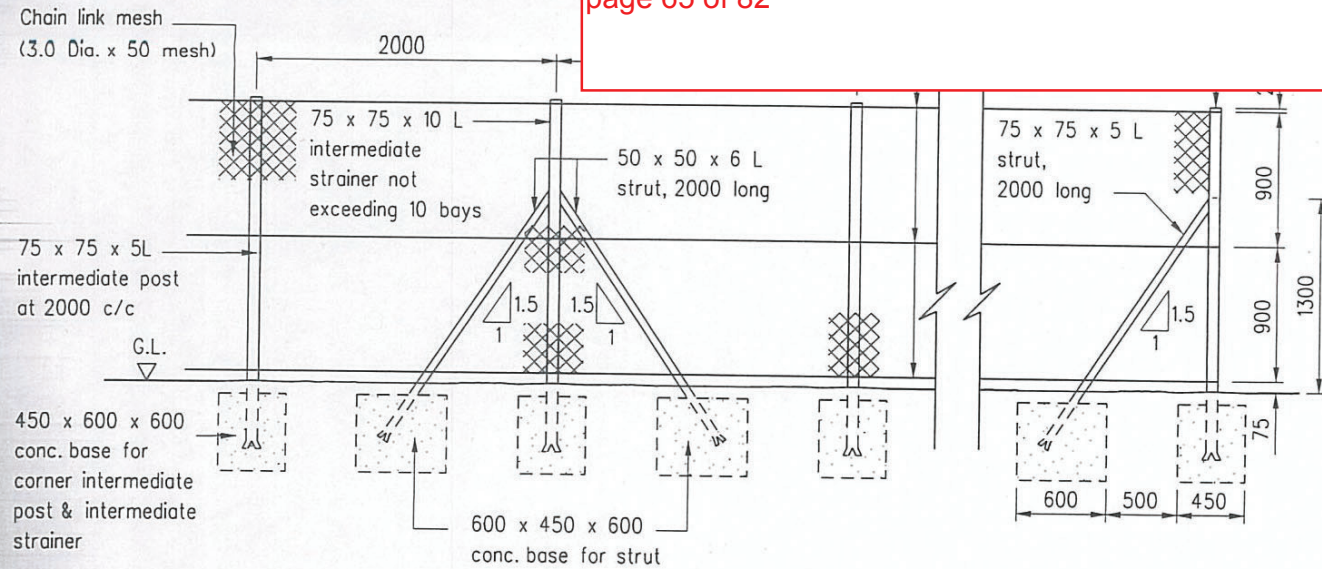
Tel: 6321 5017 / 22510603
Fax: 2171 3498

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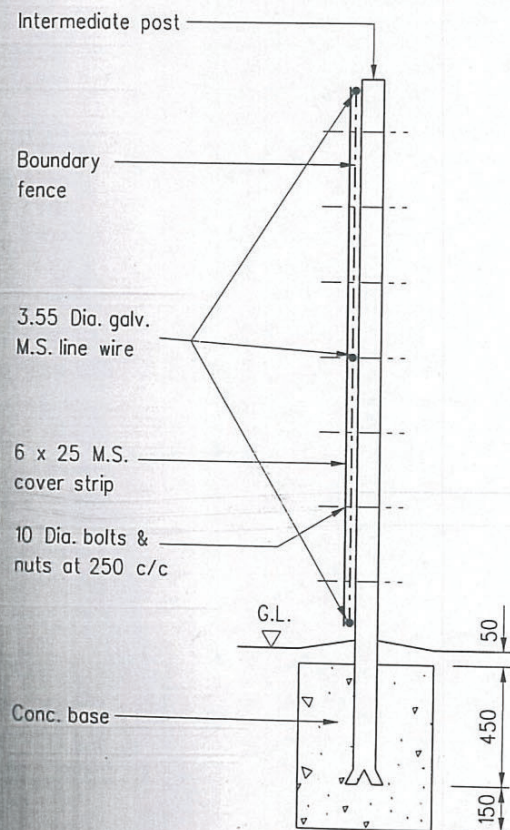


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ELEVATION OF INTERMEDIATE POST
INTERMEDIATE STRAINER & CORNER POST

Scale 1 : 50



INTERMEDIATE POST

Scale 1 : 25

Notes :

1. Dimensions are in millimetres.
2. All welds to be ground smooth.
3. Steel to be grade 43 BS 4360.
4. All site welds to be treated with two coats of zinc rich paint before application of paint system.
5. Steelwork for fencing including wires to be hot dip galvanized to BS EN ISO 1461: 1999.
6. Chain link mesh to be zinc coated type GLS180 of BS1722 Part 1.
7. Concrete to be grade 30/20.
8. Where the concrete footing is located in block paved footpath, the footing should be lowered to allow for the paving blocks and the sand course.

B	Note 5 updated		Sep 07
A	Note 8 added		Nov 99
	Former Drg. No. H6013 with general revision		Jun 94
REF.	REVISION	SIGNATURE	DATE

HIGHWAYS DEPARTMENT

REFERENCE

DRAWING No.

CAD

SCALE

As shown

H 6120B

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works

Notes of Meeting for Vegetation Issues on UUGL under LT/HYW BCP Project

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Correspondence 2
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Date: 16 July 2019 (Tuesday)

Time: 15:30-18:15

Venue: 2/F Conference Room of C6 Office

Present:	Ms. Florence Ko	Head of TMO	]	Tree Management Office,
	Mr. Edmond Lam	AS(TreeMgt)1	]	Development Bureau
			]	(hereinafter called "TMO")
	Ms. Catherine Pang	DLO, DLO/N	]	Lands Department
	Mr. K F Lee	CLE/P, DLO/N	]	(hereinafter called "LandsD")
	Ms. Fanny Huang	SLE/SD, DLO/N]	
	Mr. S L Chan	SLE/P1, DLO/TP]	
	Ms. Catherine Ho	LE/P3, DLO/TP]	
	Mr. Jason Chan	SES/M1, EMS]	
	Mr. Dennis Tam	SLE/TF16, SDTF]	
	Mr. Joe Yip	CE/N(SD1)	]	North Development Office,
	Mr. P Y Lu	SE/1(N)	]	CEDD
	Mr. Steve Lo	SE/3(N)	]	(hereinafter called "CEDD")
	Ms. Carol Leung	Senior Landscape Architect	]	AECOM Asia Co. Ltd.
	Mr. Julian Ling	Senior Resident Engineer	]	(hereinafter called "AECOM")
	Mr. Clement Wong	Field Officer I]	

Item	Discussion	Action
<u>1.0</u>	<u>Introduction</u>	
1.1	AECOM introduced the current site conditions and classified the Unleased and Unallocated Government Land (UUGL) into four categories:- <ul style="list-style-type: none"> a) The land between SIMAR slopes and site boundary, where is inaccessible; b) The land where is remote and without proper access(including vehicular and pedestrian access); c) The land where is in close proximity of village environment, adjoining local roads and/or village paths; d) The land where is under viaduct structures. 	Noted
1.2	AECOM further explained that all of the lands within LT project site boundary were UUGL, before taken over by CEDD for construction works.	Noted
<u>2.0</u>	<u>LandsD's comments on AECOM's Maintenance Demarcation Plan for Landscape Works</u>	
2.1	LandsD expressed that their main departmental purview was related to land management. According to Development Bureau Technical Circular (Works) No. 6/2015, LandsD was required to carry out ad-hoc maintenance when a requirement was identified and/or a complaint was received for natural vegetation on UUGL not maintained by other departments. If there were any trees proposed to be planted	Noted

Item		
	on land which would become UUGL upon completion of public project, the project proponent should identify suitable maintenance department for vegetation on UUGL at an early stage. LandsD would not take up future tree maintenance for this kind of vegetation.	
2.2	LandsD further interpreted the meaning of "ad hoc maintenance" to be executed by LandsD in accordance with <i>Notes (iii), Appendix A of DEVB TC(W) No. 6/2015</i> . LandsD requested and CEDD agreed that the vegetation on UUGL should be well-established upon handing back the land to LandsD.	Noted
2.3	AECOM presented in details regarding all vegetation on UUGL to be handed back to LandsD. Having reviewed the site condition in details, LandsD agreed to take up the vegetated UUGLs under the following categories:- a) Remote/restricted areas without proper access for public; b) Trees located beyond 10m from kerb of public roads and to be surrounded by chain link fence of 1.8m ht; and c) The land where only with hydroseeding without trees, where maintenance department could not be identified.	Noted
2.4	LandsD had reservation to take up the vegetation under the following categories:- a. Vegetation within 10m measured from kerb of public roads, which should be maintained by LCSD instead of LandsD (<i>item 3(l), Appendix A of DEVB TC(W) No. 6/2015</i> refers) b. Vegetation along footpaths within village environment and local access roads, which should be maintained by HAD instead of LandsD (<i>item 3(j), Appendix A of DEVB TC(W) No. 6/2015</i> refers); c. Vegetation adjoining DSD's maintenance path or on drainage reserve, which should be maintained by DSD instead of LandsD (<i>item 3(h), Appendix A of DEVB TC(W) No. 6/2015</i> refers); d. Landscaped area near Administration Building, which should be maintained by the beneficiary party instead of LandsD; Common area within Village Resite Areas, which should be maintained by ArchSD instead of LandsD (<i>item 5(a), Appendix A of DEVB TC(W) No. 3/2019</i> refers) e. Trees and vegetation within Village Resite Areas, which should be maintained by LCSD instead of LandsD (<i>item 6, Appendix A of DEVB TC(W) No. 3/2019</i> refers)	Noted
2.5	Details of the resolved (clouded in "red") and unresolved (clouded in "blue") vegetation on UUGLs are shown in Appendix A .	AECOM
2.6	AECOM agreed to provide the details of chain link fencing, for LandsD's further review.	CEDD/ AECOM
2.7	In view of the above, CEDD/AECOM would review and liaise with the appropriate departments to maintain the unresolved vegetation on UUGL.	
3.0	A.O.B.	
3.1	Separate meetings with relevant parties would be arranged to resolve the outstanding maintenance issues as given in paragraph 2.4 above. TMO would render necessary assistance on the unresolved maintenance matters as and when necessary.	Noted
4.0	Attachment: Appendix A (25 pages in A3 size)	

End

LEUNG Siu Yin, Carol

From: WONG Chi Ho, Anthony
Sent: Friday, August 20, 2021 11:13 AM
To: LEUNG Siu Yin, Carol
Subject: FW: CV/2013/08 - Proposed Modification Works at Link Road B2

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Dear Carol,

For your reference please.

Regards,
Anthony Wong

From: ecb14.nt@hyd.gov.hk [mailto:ecb14.nt@hyd.gov.hk]
Sent: Monday, July 26, 2021 10:36 AM
To: WONG Chi Ho, Anthony
Cc: Lam Shu, Albert; LUK Eddie Chi Kin; CHEUNG Kwok Wai; lhkwok@cedd.gov.hk
Subject: RE: CV/2013/08 - Proposed Modification Works at Link Road B2

Dear Anthony,

I have no further comment.

Regards,
Bryan Chong
E/CB1(4)
NT Region, HyD
Tel: 3526 0053


www.hyd.gov.hk

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From: "WONG Chi Ho, Anthony" <anthony.wong@lt-aecom.com>
To: "ecb14.nt@hyd.gov.hk" <ecb14.nt@hyd.gov.hk>
Cc: "Lam Shu, Albert" <albertlam@cedd.gov.hk>, "LUK Eddie Chi Kin" <eddie.luk@lt-aecom.com>, "CHEUNG Kwok Wai" <k.w.cheung@lt-aecom.com>, "lhkwok@cedd.gov.hk" <lhkwok@cedd.gov.hk>
Date: 21/07/2021 13:41
Subject: RE: CV/2013/08 - Proposed Modification Works at Link Road B2

Dear Bryan,

I refer to our phone discussion and your below email regarding the subject, and have the below replies:

1. Consultation have been held with stakeholders including the chicken farm owner and the local villagers. It is considered that gazette is not required for the proposed modification works.
2. Cross-road concrete drain pipe (450 dia.) with concrete surround and 2 nos. additional catch-pits are proposed as alternative to the U-channel section covered by grating. Please refer to the revised Sketch No. SK3804B.
3. Please note that the 450UC section at the top of the unpaved access will cut off drainage entering the unpaved access. Such 450UC section will be maintained by DSD. Besides, the unpaved access and its adjacent ground will also be re-graded such that majority of the surface run-off will be collected by U-channel but not reaching Road B2. Please also refer to the revised Sketch No. SK3804B.
4. The extent of road pavement to be handed over to HyD is highlighted in yellow colour on Sketch No. SK3804B.

Your early reply would be much appreciated. Please feel free to further discuss.

Regards,

WONG Chi Ho, Anthony
Resident Engineer

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6
T +2251 0682 / M +5640 9886

From: ecb14.nt@hyd.gov.hk [<mailto:ecb14.nt@hyd.gov.hk>]
Sent: Thursday, July 08, 2021 2:45 PM
To: WONG Chi Ho, Anthony
Cc: Lam Shu, Albert; LUK Eddie Chi Kin; CHEUNG Kwok Wai; mkyim@cedd.gov.hk
Subject: Re: CV/2013/08 - Proposed Modification Works at Link Road B2

Dear Anthony,

Please find in below our comment on the proposed works:-

1. Please check if gazette is required for the proposed modification works.
2. U-channel covered by grating is not preferred due to frequent maintenance required.
3. I recall that the proposed path will be an upward ramp from Road B2. Please review and propose measures to prevent surface run-off from reaching Road B2.
4. Please demarcate the extent of road pavement to be handed over to HyD.

Regards,
Bryan Chong
E/CB1(4)
NT Region, HyD
Tel: 3526 0053



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From: "WONG Chi Ho, Anthony" <anthony.wong@lt-aeacom.com>
To: "ecb14.nt@hyd.gov.hk" <ecb14.nt@hyd.gov.hk>
Cc: "Lam Shu, Albert" <albertlam@cedd.gov.hk>, "mkyim@cedd.gov.hk" <mkyim@cedd.gov.hk>, "LUK Eddie Chi Kin" <eddie.luk@lt-aeacom.com>, "CHEUNG Kwok Wai" <k.w.cheung@lt-aeacom.com>
Date: 29/06/2021 18:36
Subject: CV/2013/08 - Proposed Modification Works at Link Road B2

Dear Bryan,

I refer to the below email dialogue between TD and CEDD regarding the subject proposed modification works at Link Road B2 at LMHI. The general layout is shown on the attached Sketch No. SK3804A. The aerial photo showing the vicinity of Link Road B2 and the nearby chicken farm is also attached.

The proposed modification to the existing works which had previously been handed over to your office include the followings:

- A) Removal of a section of the existing un-tensioned beam barrier;
- B) Conversion of a section of the existing concrete verge area into concrete run-in;
- C) Addition of C.I. heavy duty gratings onto a section of the existing 450 U-channel along Link Road B2.
- D) Addition of 4 nos. traffic signs at Link Road B2 as clouded on the attached Sketch No. SK2792I.

Please kindly offer your comment on the above proposed modification works as shown on the attached sketches SK0511Q, SK0615J, SK2792I and SK3804A. Please note that the unpaved area connecting the proposed run-in and the existing chicken farm shown on SK0651J and the additional bollards shown on SK0551Q are not proposed to be maintained by your office. Please also note that the average traffic volume to/from Chicken Farm is very low (approx. 10 nos. vehicles per day)

Please feel free to further discuss.

Regards,

WONG Chi Ho, Anthony
Resident Engineer

Contract No. CV/2013/08
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works – Contract 6
T +2251 0682 / M +5640 9886

From: mkyim@cedd.gov.hk [mailto:mkyim@cedd.gov.hk]
Sent: Tuesday, June 29, 2021 3:46 PM
To: WONG Chi Ho, Anthony
Cc: Lam Shu, Albert; LUK Eddie Chi Kin; mkyim@cedd.gov.hk
Subject: 轉寄: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Anthony,

TD has no further comment.

As spoken, please proceed, seek for agreement from HyD in maintenance point of view and liaise with maintenance department(s).

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

----- Forwarded by MAN KIT YIM/CEDD/HKSARG on 29/06/2021 15:44 -----

From: Ting Hong CHAN/TD/HKSARG@TD
To: MAN KIT YIM/CEDD/HKSARG@CEDD
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, Ming Yip TSE/TD/HKSARG@TD, Wing Hong POON/TD/HKSARG@TD, &TD/TENTE/EN2@TD
Date: 29/06/2021 15:39
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Keith,

I refer to your emails dated 24 and 28 June. I have no further comment on the proposal.

Regards,
Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

From: MAN KIT YIM/CEDD/HKSARG@CEDD
To: Ting Hong CHAN/TD/HKSARG@TD
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, Ming Yip TSE/TD/HKSARG@TD, Wing Hong POON/TD/HKSARG@TD,

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Correspondence 2
page 71 of 82

&TD/TENTE/EN1@TD, &TD/TENTE/EN2@TD, MAN KIT YIM/CEDD/HKSARG@CEDD
Date: 28/06/2021 09:42 AM
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Section 3.16.17
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Dear Terence,

As spoken over the phone, the SK3804A matches with the other sketches because the other sketches haven't shown the verge area along Link Road B2.

For ease of reference, reference points with coordinates are added into the sketches and attached below. Thanks.

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

From: Ting Hong CHAN/TD/HKSARG@TD
To: MAN KIT YIM/CEDD/HKSARG@CEDD
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, Ming Yip TSE/TD/HKSARG@TD, Wing Hong POON/TD/HKSARG@TD, &TD/TENTE/EN1@TD, &TD/TENTE/EN2@TD
Date: 24/06/2021 17:28
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Keith,

I refer to your email at 10:20, it seems that the hard-paved verge area in Sketch No. SK3804A is not match with other sketches.

Regards,
Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

From: MAN KIT YIM/CEDD/HKSARG@CEDD
To: Ting Hong CHAN/TD/HKSARG@TD
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, Ming Yip TSE/TD/HKSARG@TD, Wing Hong POON/TD/HKSARG@TD, &TD/TENTE/EN1@TD, &TD/TENTE/EN2@TD, MAN KIT YIM/CEDD/HKSARG@CEDD
Date: 24/06/2021 10:20 AM
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Terence,

Thanks for your comments.

Regarding your comment on 3) & 4), we will forward the finalized routing and approach to HAD, RMO, LST&CST MOM and HYW BMC for their information.

Regarding your comments on 7), relevant drawings are revised and attached below. Area of existing Link Road B2 including the hard-paved verge area managed/maintained by TD/HyD remains unchanged (i.e. In our proposal, no additional area is proposed to be managed/maintained by TD/HyD). For avoidance of doubt, area managed/maintained by TD/HyD is highlighted in yellow in the Sketch No. SK3804A.

If you have no further comment, we would proceed to seek HyD's advice in maintenance point of view and arrangement the construction accordingly.
Your prompt reply would be highly appreciated. Thanks.

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

From: Ting Hong CHAN/TD/HKSARG@TD
To: MAN KIT YIM/CEDD/HKSARG@CEDD
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, Ming Yip TSE/TD/HKSARG@TD, Wing Hong POON/TD/HKSARG@TD, &TD/TENTE/EN1@TD, &TD/TENTE/EN2@TD
Date: 11/06/2021 15:28
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Keith,

My further comments are provided in RED below for your attention.

Regards,
Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

From: MAN KIT YIM/CEDD/HKSARG@CEDD
To: Ting Hong CHAN/TD/HKSARG@TD
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, Alex TH LAM/TD/HKSARG@TD, Ming Yip TSE/TD/HKSARG@TD, Wing Hong POON/TD/HKSARG@TD, MAN KIT YIM/CEDD/HKSARG@CEDD
Date: 08/06/2021 03:58 PM

Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Terence,

Thanks for your advice given on 4.5.2021.

Please note our responses below for your further advice if any:
[附件檔 "Aerial Photo.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除] [附件檔 "SK0551P.PDF" 已被 MAN KIT YIM/CEDD/HKSARG 刪除] [附件檔 "SK0615I.PDF" 已被 MAN KIT YIM/CEDD/HKSARG 刪除] [附件檔 "SK2792H.PDF" 已被 MAN KIT YIM/CEDD/HKSARG 刪除] [附件檔 "SK3804.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]
1) As constructed access from Lin Ma Hang Road (i.e. the section in purple in the attached aerial photo) will be remained for use of pedestrians and cyclists.

2) Bollards and road kerb (Type K1) are proposed at the current run-in/out in the connection between Lin Ma Hang Road and the section in purple in the attached aerial photo. For the temporary access road from Lin Chuk Path (i.e. the section in blue in the attached aerial photo), road kerb (Type K1) are currently constructed. Please refer to the above attached Sketch SK0551P, SK0615I and SK2792H for details.

3 & 4) Meeting with chicken farm representative Mr. Chan was held on 27.05.2021 and the meeting minutes are attached below.

[附件檔 "meeting minutes signed by Mr. Chan.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]
The finalized routing and approach should forward to HAD, RMO, LST&CST MOM and HYW BMC for their information.

5) HyD's advice in maintenance point of view will be sought accordingly.
6) Please refer to the above attached Sketch SK0551P, SK0615I, SK2792H and SK3804.

7) Proposed M&M matrix as follows:

Item	Management Department	Maintenance Department
New run-in/out at Link Road B2—Concrete run-in/out, U-channel C.I. gratings, traffic signs and posts at new run-in/out and Link road B2	TD	HyD/CB
Connection between Lin Ma Hang Road and the section in purple in the attached aerial photo - Bollards	TD	HyD/NTE
Unpaved area	LandsD	-

If you have no further comment, we would seek HyD's advice in maintenance point of view. Thanks.

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

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Correspondence 2
page 75 of 82

From: Ting Hong CHAN/TD/HKSARG@TD
To: MAN KIT YIM/CEDD/HKSARG@CEDD
Cc: ALBERT SHU LAM/CEDD/HKSARG@CEDD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, MAY YEE MEI LAU/CEDD/HKSARG@CEDD, Ming Yip TSE/TD/HKSARG@TD, Wing Hong POON/TD/HKSARG@TD, Alex TH LAM/TD/HKSARG@TD
Date: 04/05/2021 15:45
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Keith,

I refer to your email dated 27 April and our tele-conversation at 29 Apr, my comments on the latest route of vehicular access to the Chicken Farm are provided below:

- 1) In view of pedestrians and cyclists are prohibited to entry/exit via proposed egress road and slip road B2 of HYWH, please clarify that any alternative route (such as both current vehicular access and current temporary vehicular access) will be provided/remained for road users.
- 2) If both vehicular access will be closed, please clarify that any modification works (such as installing bollard and re-providing the road kerb) at the concerned run-in/outs.
- 3) Although the concerned vehicular access is outside of the tunnel area and HYW BCP, you should consult the LST&CST MOM, HYW BMC and RMO to establish the contingency plan if the sole route is blocked by incident.
- 4) Meeting minutes / Agreement between CEDD and the representative from Chicken Farm should be recorded and provided for our information.
- 5) You should seek HyD's view on your proposed dropped kerb for run-in/out at Slip Road B2 in maintenance point of view.
- 6) Please provide the detail traffic aids drawing and swept path analysis for our further consideration.
- 7) Please provide the M&M matrix of concerned vehicular access for our information.

Regards,
Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

From: MAN KIT YIM/CEDD/HKSARG@CEDD
To: Ting Hong CHAN/TD/HKSARG@TD
Cc: Bing Kay CHOW <bkchow@td.gov.hk>, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, Man Leung FUNG/TD/HKSARG@TD, SW LAM/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, MAY YEE MEI LAU/CEDD/HKSARG@CEDD, ALBERT SHU LAM/CEDD/HKSARG@CEDD, MAN KIT YIM/CEDD/HKSARG@CEDD

Date: 27/04/2021 03:00 PM
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

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Dear Terence,

Thanks for your advice.

Following to the joint site meetings with the villagers in Chuk Yuen Village and the representative from Chicken Farm on 4.3.2021 and 12.4.2021 respectively, a vehicular access similar to the other vehicular accesses in village area with a dropped kerb for run-in/out at Slip Road B2 is finally proposed (see attached for details). TD will not be proposed to take up the management role of the proposed vehicular access.

[附件檔 "20210427 Proposed Vehicular Access.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

Average traffic volume to/from Chicken Farm via the proposed vehicular access is approximately 10 nos. vehicles per day, and the impact to the traffic flows of Slip Road B2 and Heung Yuen Wai Highway is considered negligible.

Whilst we are urging our consultant AECOM to work out the detail drawings and swept-path analysis, advice from TD on the dropped kerb for run-in/out at Slip Road B2 is sought such that the proposed works could be commenced as soon as possible to improve the current as-built condition. It would be much appreciated if your advice could be given on or before 4 May 2021. Thanks.

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

From: Ting Hong CHAN/TD/HKSARG@TD
To: MAN KIT YIM/CEDD/HKSARG@CEDD
Cc: Bing Kay CHOW <bkchow@td.gov.hk>, "cctyeung@cedd.gov.hk" <cctyeung@cedd.gov.hk>, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Man Leung FUNG/TD/HKSARG@TD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD, SW LAM/TD/HKSARG
Date: 10/02/2021 12:07
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Keith,

Please kindly find TD's comments below for your attention.

1) According to Table 3.4.5.1 in TPDM Vol. 2, 5.5m width of carriageway or 6m overall width with verges should be provided to allow fire services appliances to operate in the event of emergency.

2) In view of pedestrians and cyclists are prohibited to exit via proposed egress road and slip road B2 of HYWH, please clarify that the pedestrians can be push the bicycle safely to exit via ingress village track.

3) Please clarify that sufficient space to be provided for manoeuvring of vehicles access wrongly to ingress village road.

4) In view of the ingress village track is not up to current standard and the road is connecting to chicken farm only, TD will not take up the management role of ingress village track.

5) In general, TD will not take up the management role of egress road if ingress road is not under TD's purview.

Regards,
Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

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Correspondence 2
page 77 of 82

From: MAN KIT YIM/CEDD/HKSARG@CEDD
To: Ting Hong CHAN/TD/HKSARG@TD
Cc: Bing Kay CHOW <bkchow@td.gov.hk>, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Man Leung FUNG/TD/HKSARG@TD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD, SW LAM/TD/HKSARG@TD, "cctyeung@cedd.gov.hk" <cctyeung@cedd.gov.hk>, "mkyim@cedd.gov.hk" <mkyim@cedd.gov.hk>
Date: 05/02/2021 05:23 PM
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Terence,

Thanks for your advice given on 27.11.2020.

To recap, swept path analysis illustrates that it is not possible to allow long vehicles to make safe left-out movement at the run-in/out due to the site constraint. In view of the above result, we propose to divert the egress route to the Slip Road B2.

As spoken over the phone, the design of the egress route is revised and attached below.
[附件檔 "Drawings for Chicken Farm Egress Road v2.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

While the relevant department(s) for the management and maintenance responsibility would be identified separately, technical advice from TD on the proposed egress route is sought such that the proposed works could be commenced as soon as possible to improve the current as-built condition of the run-in/out.

It would be grateful if your advice could be given on or before 11 February 2021. Thanks.

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

From: Ting Hong CHAN/TD/HKSARG@TD
To: MAN KIT YIM/CEDD/HKSARG@CEDD
Cc: Bit Ching TAM/HYD/HKSARG@HYD, Bing Kay CHOW <bkchow@td.gov.hk>, Chung Leung SUN/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Kenneth KK

CHAN/HYD/HKSARG@HYD, Man Leung FUNG/TD/HKSARG@TD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD, SW LAM/TD/HKSARG, Yiu Wa WONG/HYD/HKSARG@HYD
Date: 27/11/2020 14:15
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

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Correspondence 2
page 78 of 82

Dear Keith,

I refer to your email dated 26 Nov and my comments on the traffic aids on item 4 have been provided in attachment below.

[附件檔 "20201127 Item 4 (Comments by TD).pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

Regarding the new access roads, CEDD should liaise with relevant departments to take over the management and maintenance responsibilities of the concerned road sections with associated traffic aids.

Regards,
Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

From: MAN KIT YIM/CEDD/HKSARG@CEDD
To: Ting Hong CHAN/TD/HKSARG@TD
Cc: Bit Ching TAM/HYD/HKSARG@HYD, Bing Kay CHOW <bkchow@td.gov.hk>, Chung Leung SUN/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Kenneth KK CHAN/HYD/HKSARG@HYD, Man Leung FUNG/TD/HKSARG@TD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD, SW LAM/TD/HKSARG@TD, Yiu Wa WONG/HYD/HKSARG@HYD, MAN KIT YIM/CEDD/HKSARG@CEDD
Date: 26/11/2020 05:51 PM
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Terence,

For item 4 (**Run-in/out for Chicken Farm**), please be clarified that left-in from Lin Ma Hang Road to the concerned run-in is allowed only. Design drawing with traffic aids and swept path analysis are attached for your review.

[附件檔 "Item 4 - Design Drawing and Swept Path.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

For item 5 (**Lin Chuk Path**), revised drawing is attached for your review please.
[附件檔 "Item 5 - Revised Road Marking.PDF" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

As spoken, grateful if you could provide advice(s) on items 1,3,4,5,6 as soon as possible. Thanks.

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

From: Ting Hong CHAN/TD/HKSARG@TD
To: MAN KIT YIM/CEDD/HKSARG@CEDD
Cc: Bit Ching TAM/HYD/HKSARG@HYD, Bing Kay CHOW <bkchow@td.gov.hk>, Chung Leung SUN/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Kenneth KK CHAN/HYD/HKSARG@HYD, Man Leung FUNG/TD/HKSARG@TD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD, SW LAM/TD/HKSARG, Yiu Wa WONG/HYD/HKSARG@HYD
Date: 19/11/2020 15:25
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

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Dear Keith,

I refer to your email dated 18 Nov and have following comments on item 4 and 5 below.

Item 4

- Swept path analysis for turning manoeuvring of goods vehicles from Lin Ma Hang Road (Both direction) to the concerned run-in should be provided.
- Design drawing with traffic aids for the concerned run-in and proposed egress route should be provided for our consideration.

Item 5

- It seems the interval between RM1141 are too close, please review the road marking design according to TPDM.

Regards,
Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

From: MAN KIT YIM/CEDD/HKSARG@CEDD
To: Ting Hong CHAN/TD/HKSARG@TD
Cc: Bit Ching TAM/HYD/HKSARG@HYD, Bing Kay CHOW <bkchow@td.gov.hk>, Chung Leung SUN/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Kenneth KK CHAN/HYD/HKSARG@HYD, Man Leung FUNG/TD/HKSARG@TD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD, SW LAM/TD/HKSARG@TD, Yiu Wa WONG/HYD/HKSARG@HYD, MAN KIT YIM/CEDD/HKSARG@CEDD
Date: 18/11/2020 05:48 PM
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Terence,

Reference is made to the meeting held on 9.11.2020 and my subsequent email on 10.11.2020.

For item 1 (**Mini-roundabout**), as discussed with you over the phone in this morning, could you please provide further advice to us.

For item 2 (**Bus Bays for Chuk Yuen**), we are contacting relevant UUs for diversion matters to see if

it is feasible to provide bus bay at the current temporary bus stops.

For item 3 (**Chuk Ling Path**), revised proposal is attached below for your review please.
[附件檔 "Item 3.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

For item 4 (**Run-in/out for Chicken Farm**), swept path analysis for the left-out movement of 10.2m long vehicle at the run-in/out is shown in the attached "Item 4 - swept paths for left out.pdf". The swept path analysis illustrates that it is not possible to allow long vehicles to make safe left-out movement at the run-in/out due to the site constraint. In view of the above result, we propose to divert the egress route to the Slip Road B2 as illustrated in the attached "Item 4 - Proposed egress route". As the concerned section of the Slip Road B2 is an at-grade road with 50km/h speed limit and it is outside the Tunnel Area with less busy traffic, we consider it is worthwhile to go ahead with this proposal. Your advice is sought please.

[附件檔 "Item 4 - swept paths for left out (10.2m veh).pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除] [附件檔 "Item 4 - Proposed egress route.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

For item 5 (**Lin Chuk Path**), proposed road marking is revised and attached below for your review please.
[附件檔 "Item 5 - Road Marking.PDF" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

For item 6 (**Responses to RSA on minor roads**), it would be appreciated if your advice on our responses to RSA report could be provided at your earliest convenience.

Thanks a lot.

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

Section 3.16.17
Correspondence 2
page 80 of 82

From: MAN KIT YIM/CEDD/HKSARG
To: Bit Ching TAM/HYD/HKSARG@HYD, Bing Kay CHOW <bkchow@td.gov.hk>, Chung Leung SUN/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, Kenneth KK CHAN/HYD/HKSARG@HYD, Man Leung FUNG/TD/HKSARG@TD, SW LAM/TD/HKSARG@TD, Ting Hong CHAN/TD/HKSARG@TD, Yiu Wa WONG/HYD/HKSARG@HYD
Cc: JOE HUNG PING YIP/CEDD/HKSARG@CEDD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD, MAN KIT YIM/CEDD/HKSARG@CEDD
Date: 10/11/2020 15:59
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear all,

A meeting amongst TD (BK Chow, Simon Fung and Terence Chan), CEDD (Steve Lo and Keith Yim) and CEDD's consultant (Julian Ling and Anthony Wong from AECOM) was held at MKGO at 9:30 on 9/11/2020.

The following is a brief meeting summary that highlights the major items discussed and agreed action items.

Item 1, **Mini-roundabout**: AECOM/CEDD would review the proposed layout and arrangement for the run-in/out to the mini-roundabout.

Item 2, **Bus Bays for Chuk Yuen**: AECOM/CEDD would review the proposed location of bus stops.
Item 3, **Chuk Ling Path (Chuk Yuen Village Road)**: For the sections of footpath without site constraint, the footpath would be widened to provide 1.5m clear width. For the sections of footpath with site constraint, relocating railing towards carriageway to provide 1.5m clear width is accepted. For local area with existence of u-channel, catchpit, fire hydrant and/or road furniture such as street light pole, clear width of less than 1.5m is accepted given that the footpath could not be widened due to site constraint and sufficient width would be provided for single wheelchair passing through.
Item 4, **Run-in/out for Chicken Farm**: TD provided advice that the run-in/out should allow left-in and left-out only. AECOM/CEDD would review the proposed layout and arrangement for the run-in/out.
Item 5, **Lin Chuk Path**: Road marking would be amended to improve the traffic safety taking into account the possibility of illegal parking.

Item 6, **Responses to RSA on minor roads**: CEDD's responses to RSA report was being reviewed by TD. Two observation (Sloping end of concrete barrier at roadside and potential fall into Kong Yiu River) were discussed in the meeting. AECOM/CEDD would review the recommendation for addressing the above two observation and TD would provide advice for the other recommendation in due course.

Item 7, **Access to Nga Yiu Ha/Ping Yeung from PYI**: With reference to TD DC No. 2/2020 attached below, railings are not recommended for the footpaths along accesses to Nga Yiu Ha/Ping Yeung from Ping Yeung Interchange. [Post meeting note: HyD verbally advised on 10.11.2020 that they have no comment on not providing railings on the above accesses.]

[附件檔 "201015 TD Memo Supplementary Guidelines on Provision of Pedestrian Railings on Public Roads.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

Item 8, **Bus stop at Chun Yiu**: TD has no comment on the proposed location of the bus stop. Layout plan is shown in the attached sketch (SK3522A.pdf).

[附件檔 "SK3522A.PDF" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

Section 3.16.17
Correspondence 2
page 81 of 82

From: MAN KIT YIM/CEDD/HKSARG
To: Ting Hong CHAN/TD/HKSARG@TD
Cc: Bit Ching TAM/HYD/HKSARG@HYD, Bing Kay CHOW <bkchow@td.gov.hk>, Chung Leung SUN/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Kenneth KK CHAN/HYD/HKSARG@HYD, Man Leung FUNG/TD/HKSARG@TD, SW LAM/TD/HKSARG@TD, Yiu Wa WONG/HYD/HKSARG@HYD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD@GCN-NOTES
Date: 06/11/2020 16:04
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Terence,

As spoken over the phone yesterday, Steve, our consultant and I will come to your office on 9/11/2020 (Mon) at 9:30am for discussing the items first.

In response to your email, please find attached below. Thanks.

[附件檔 "Item 2.PDF" 已被 MAN KIT YIM/CEDD/HKSARG 刪除] [附件檔 "Item 4.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除] [附件檔 "Item 6.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

DSD advised on 6 November 2020 that narrowing the existing run-in/out is not accepted because large trucks would be mobilised for their maintenance works and the existing width of the run-in/out is

required. Setting out our proposed bus stop in comparison to the standard setting out of bus bay stipulated in TDPM is indicated in Setting Out of Bus Stop.pdf attached below for your reference.
[附件檔 "Setting Out of Bus Stop.pdf" 已被 MAN KIT YIM/CEDD/HKSARG 刪除]

Regards,

Keith YIM
E/6(N)
NDO, CEDD
Tel: 3547 1641

Section 3.16.17
Correspondence 2
page 82 of 82

From: Ting Hong CHAN/TD/HKSARG@TD
To: MAN KIT YIM/CEDD/HKSARG@CEDD
Cc: Bit Ching TAM/HYD/HKSARG@HYD, Bing Kay CHOW <bkchow@td.gov.hk>, Chung Leung SUN/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Kenneth KK CHAN/HYD/HKSARG@HYD, Man Leung FUNG/TD/HKSARG@TD, SW LAM/TD/HKSARG, Yiu Wa WONG/HYD/HKSARG@HYD, STEVE CHI FAI LO/CEDD/HKSARG@CEDD@GCN-NOTES
Date: 05/11/2020 14:42
Subject: Re: CV/2013/08 - Outstanding issues on HYWH roadworks

Dear Keith,

This office is available for all timeslots. Please kindly provide relevant information below before meeting.

- 1) Item 2 - Noted that locations of Chuk Yuen bus bay will be further relocated. Please provide latest layout for our consideration.
- 2) Item 8 - As talked previously, please kindly liaise with DSD to review the width of run-in/out in view of allowing bus stop road marking can be further move downstream.
- 3) Item 4 and 10 material - Please kindly provide relevant materials.

Our further comments will be provided separately. Thanks.

Regards,
Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

From: STEVE CHI FAI LO/CEDD/HKSARG@CEDD
To: Man Leung FUNG/TD/HKSARG@TD, SW LAM/TD/HKSARG@TD, Yiu Wa WONG/HYD/HKSARG@HYD, Chung Leung SUN/HYD/HKSARG@HYD
Cc: JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Bing Kay CHOW <bkchow@td.gov.hk>, Koon Keung YIP/TD/HKSARG@TD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, Kenneth KK CHAN/HYD/HKSARG@HYD, Bit Ching TAM/HYD/HKSARG@HYD, Ting Hong CHAN/TD/HKSARG@TD, MAN KIT YIM/CEDD/HKSARG@CEDD
Date: 30/10/2020 03:51 PM
Subject: CV/2013/08 - Outstanding issues on HYWH roadworks

LEUNG Siu Yin, Carol

From: LEUNG Siu Yin, Carol
Sent: Monday, September 20, 2021 11:59 AM
To: 'lhkwok@cedd.gov.hk'; defl.nt@hyd.gov.hk
Cc: Lam Shu, Albert; LUK Eddie Chi Kin; WONG Chi Ho, Anthony
Subject: RE: Meeting for Flooding incidents near Liantang/Heung Yuen Wai BCP (19 Aug 2021 @ 4:30pm @ Rm4328a, RT)

Dear Simon,
Further to our conversation in last week, I note that HyD had no objection to use paving blocks but may require applying joint stabilizing sealer in between the paving blocks. Kindly confirm your requirement, if necessary, for our early procurement.

Thanks!
Carol
22510603/63215017

From: lhkwok@cedd.gov.hk [mailto:lhkwok@cedd.gov.hk]
Sent: Monday, September 13, 2021 6:50 PM
To: defl.nt@hyd.gov.hk
Cc: Lam Shu, Albert; LUK Eddie Chi Kin; WONG Chi Ho, Anthony; LEUNG Siu Yin, Carol
Subject: Re: Meeting for Flooding incidents near Liantang/Heung Yuen Wai BCP (19 Aug 2021 @ 4:30pm @ Rm4328a, RT)

Dear Simon,

Further to your email below, our Consultant proposed to pave the orange area as shown in SK3941A by paving blocks (details refer to SK3957) instead of granite stone finishing in view of shorter construction time and cost. Grateful to have your no objection to the roposed change in material.

Also, please be advised that the existing beam barrier at the concerned area would be retained and we are seeking FEHD's consent on taking up of the general cleansing. Thank you.

Best Regards,
Matthew KWOK
E/6(N), NDevO, CEDD
Tel: 3547 1641

From: Bit Ching TAM/HYD/HKSARG@HYD
To: LONG HIM KWOK/CEDD/HKSARG@CEDD
Cc: albertlam@cedd.gov.hk, Chung Leung SUN/HYD/HKSARG@HYD, Shun Fat KWOK/HYD/HKSARG@HYD, Yiu Wa WONG/HYD/HKSARG@HYD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Chi Chiu PANG/HYD/HKSARG@HYD
Date: 27/08/2021 14:04
Subject: Re: Meeting for Flooding incidents near Liantang/Heung Yuen Wai BCP (19 Aug 2021 @ 4:30pm @ Rm4328a, RT)

Dear Matthew,

Thank you for your e-mail.

Please note that we have no objection to take up the maintenance responsibility of proposed granite stone finishing (the orange area). I understand that the existing beam barrier at the area concerned would be retained, please advise me if otherwise.

On the other hand, could you help to clarify which parties will be responsible for the management and the general cleansing of the area in future?

Thank you for your assistance.

Regards,
Simon Tam
DE/FL
NT Region
Highways Department
Tel. 2762 4090


www.hyd.gov.hk
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----- Forwarded by Bit Ching TAM/HYD/HKSARG on 27/08/2021 08:33 -----

From: LONG HIM KWOK/CEDD/HKSARG@CEDD
To: Bit Ching TAM/HYD/HKSARG@HYD
Cc: albertlam@cedd.gov.hk, Chung Leung SUN/HYD/HKSARG@HYD, Shun Fat KWOK/HYD/HKSARG@HYD, Yiu Wa WONG/HYD/HKSARG@HYD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD
Date: 26/08/2021 18:35
Subject: 轉寄: Re: Fw: Meeting for Flooding incidents near Liantang/Heung Yuen Wai BCP (19 Aug 2021 @ 4:30pm @ Rm4328a, RT)

Dear Simon,

We just spoke.

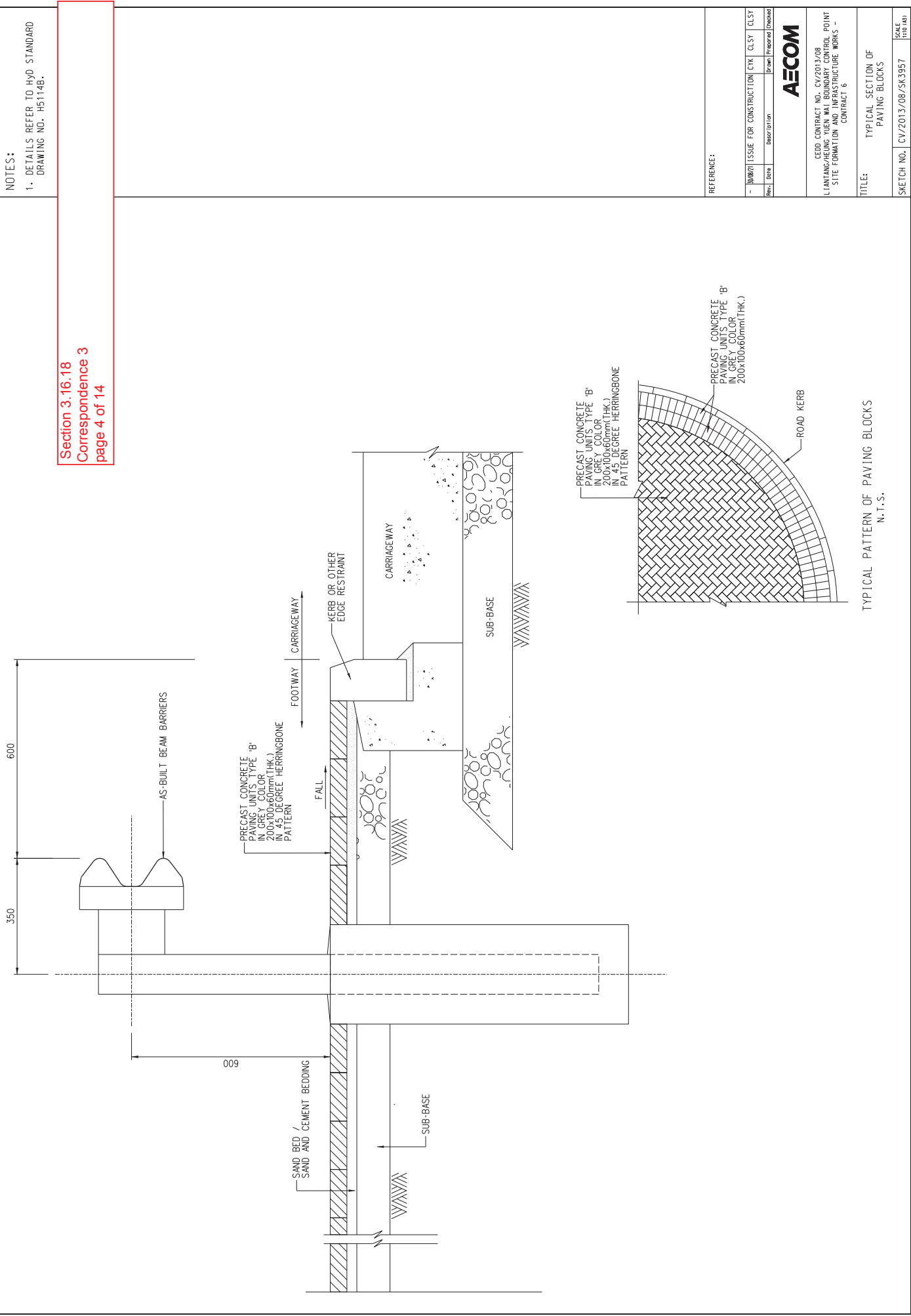
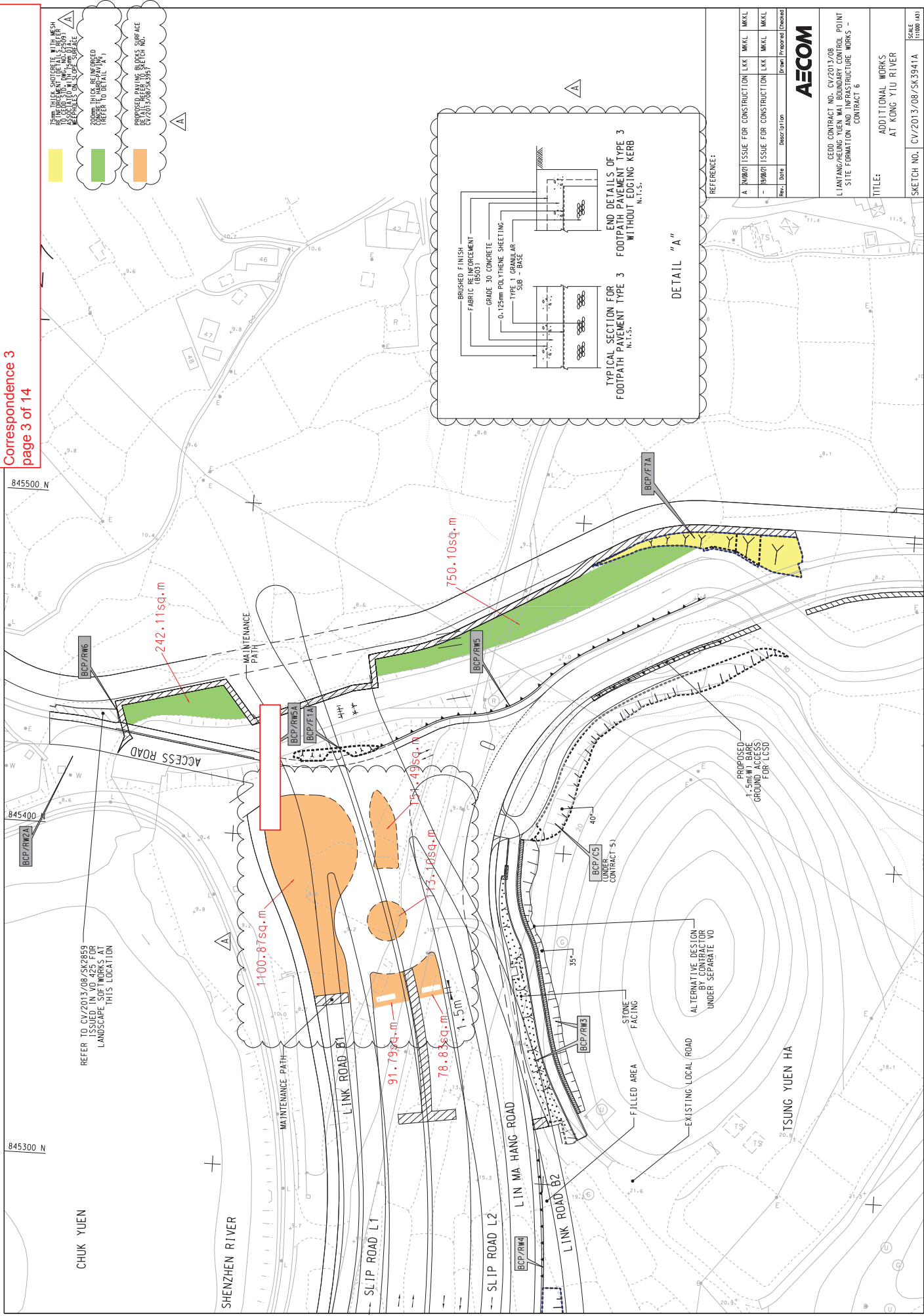
[附件檔 "SK3941A.PDF" 已被 LONG HIM KWOK/CEDD/HKSARG 刪除]

I learnt from you that HyD had no strong objection to take up the maintenance responsibility of the orange highlighted area (attached sketch SK3941A.pdf) near LMH Interchange which would be hard-paved with granite stone surface. As we are planning to proceed with the said works at the soonest, grateful if you would confirm the above **by noon of 27 August 2021**. Thanks.

Best Regards,
Matthew KWOK
E/6(N), NDevO, CEDD
Tel: 3547 1641

----- Forwarded by LONG HIM KWOK/CEDD/HKSARG on 26/08/2021 18:30 -----

From: LONG HIM KWOK/CEDD/HKSARG
To: Bit Ching TAM/HYD/HKSARG@HYD
Cc: albertlam@cedd.gov.hk, Chung Leung SUN/HYD/HKSARG@HYD, Shun Fat KWOK/HYD/HKSARG@HYD, Yiu Wa WONG/HYD/HKSARG@HYD



LEUNG Siu Yin, Carol

From: lensd5@landsd.gov.hk
Sent: Monday, August 30, 2021 2:14 PM
To: LEUNG Siu Yin, Carol
Cc: Lam Shu, Albert; WONG Chi Ho, Anthony; LUK Eddie Chi Kin; "lenlec3@landsd.gov.hk"@Remark.Internal_Address_Not_For_Reply_From_Internet; lhkwok@cedd.gov.hk; LAI Sui Fong; NGO Tsz Kei, Twiggy; lenlec3@landsd.gov.hk; slenlec@landsd.gov.hk; slensd2@landsd.gov.hk
Subject: Re: FW: Proposals of relocation of compensatory plantings
Attachments: Proposal 2.pdf; Proposal 1.pdf; correspondence 1.pdf; Site photos of Existing Village Access Road connecting to LMH Rd.pdf; Notes of Meeting (20190716) - TMO LandsD CEDD_r1 (DLON)(dd2019-09-03).docx; Boundary Fence.jpg

Dear Carol,

I refer to your preceding email. please find our comments for the 2 issues as follow. Thank you.

Issue 1

1. For the vehicular access in village area with a dropped kerb for run-in/out at Slip Road B2, please identify the maintenance responsibility if it is for vehicular use.
2. For the location change of the 23 as-planted compensatory trees proposed to be handed over to this office for ad hoc maintenance, please ensure that the criteria of item. 2.3 at the attached notes of meeting could be fulfilled.

3. For chain link fence going to be installed/amended, please find the specification below for your reference.

Issue 2

1. It is given to understand that DSD will take up ad hoc maintenance for the proposed shotcrete pavement. In this regard, this office has no objection to take up the management responsibility of the concerned area.
2. As regards the change in locations of the 42 as-planted compensatory trees which will also be handed over to this office for ad hoc maintenance, please ensure that the criteria mentioned in point 2 of issue 1 above could be fulfilled.

By copy of this email, @Kelly (LE/C3) please advise if you have any comments. Thank you.

Best regards,
Lincoln YIP
Land Executive/Special Duties 5,
District Lands Office, North
Tel No.: 2675 1506

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page 5 of 14

as appropriate. Any liability arising from the use of this information is excluded.

From: "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>
To: "lensd5@landsd.gov.hk" <lensd5@landsd.gov.hk>, "lenlec3@landsd.gov.hk" <lenlec3@landsd.gov.hk>, "lensd1@landsd.gov.hk" <lensd1@landsd.gov.hk>, "lensd2@landsd.gov.hk" <lensd2@landsd.gov.hk>, "lensd4@landsd.gov.hk" <lensd4@landsd.gov.hk>
Cc: "Lam Shu, Albert" <albertlam@cedd.gov.hk>, "lhkwok@cedd.gov.hk" <lhkwok@cedd.gov.hk>, "WONG Chi Ho, Anthony" <anthony.wong@lt-aecom.com>, "LUK Eddie Chi Kin" <eddie.luk@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>, LAI Sui Fong <s.f.lai@lt-aecom.com>
Date: 24/08/2021 16:58
Subject: FW: Proposals of relocation of compensatory plantings

Dear Lincoln,

Further to the discussion with you, you are aware that 2nr site issues happen recently and lead to the necessity of relocation of as-built compensatory plantings at UUGL.

Issue 1-New unpaved access near the chicken farm at Lin Chuk Path

Under the Contract provision, there was a re-provisioned vehicular access connecting the existing village path and the works was completed. However, Transport Department later commented that the vehicular access "shall allow fire services appliances to operate in the event of emergency". Due to the site constraint, it was examined technically unfeasible to further modify the subject vehicular access in response to TD's comment.

Further liaisons with the local villagers and relevant authorities were then conducted, the proposal of a vehicular access similar to the other vehicular accesses in village area with a dropped kerb for run-in/out at Slip Road B2 was finally adopted. Details of liaisons and departmental agreement refer to **correspondence 1**

This proposal had affected a total of **41nr** as-built compensatory trees with approximate **365mqm** shrub planting. Of which, **18nr** compensatory trees had been handed over to NTNTT/LCSD in May 2021, while the other **23nr** will be handed over to DLO/N on 30 September 2021 for ad hoc maintenance.

In order not to affect the compensatory planting proposal as committed in TPRP (Rev. 4), LCSD was notified and agreed to re-provide the **18nr** LCSD roadside trees at other off-site LCSD venues in North District. Details of off-site re-provisioned compensatory planting proposal is under liaison with LCSD.

Noting that the exiting temporary access near the chicken farm will be demolished and reinstated with landscaped area to match with the vicinity, we propose to relocate the **23nr** as-built compensatory trees at the reinstated landscaped area (i.e. approximate 532sqm), and handover to DLO/N. Alignment of chain-link fence will be slightly adjusted to cordon off repositioned compensatory trees. Details of the Proposal of Relocation of as-built compensatory Planting at Chicken Farm is enclosed in **Proposal 1**.

Since the original village access was the only access to connect the chicken farm with LMH road and it had not been enclosed. It is considered reasonable to maintain new unpaved access unblocked. (see attached site photos)

Issue 2- Flooding at Kong Yiu River

2 times of serious flooding recently happen at Kong Yiu River. We noted that DLO/N had no objection to remove the as-built landscape softworks (i.e. **42nr trees**) and replace it with shortcrete. With the same concern on the TPRP (rev.4) as mentioned at above, we propose to re-provide **42nr** compensatory trees at the UUGL of Sha Tau Kok. Details of the Proposal of Re-provision of as-built compensatory Planting for Kong Yiu River Flooding Incident is enclosed in **Proposal 2**

Due to the limitation of site area, it is unavoidable to propose different trees species and planting spacing to suit the planting area. In **Proposal 2**, we proposes to alternate 42nr large trees species in heavy standard with a same quantity of medium trees in heavy standard. The planting spacing is slightly adjusted from 5m to 3m.

We confirm that both proposal 1 and 2 will not violate the principle of compensatory planting as committed in the TPRP Rev.4 as the same quantity of compensatory trees with same size of DBH will be provided. All re-provisioned or

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relocated trees are common species, they can be self-sustained after establishment and no regular maintenance is required. As agreed with DLO/N, no revision submission of TPRP is required but supplementary information is necessary

Program of Handover

According to current handover schedule, all vegetation at UUGL under Contract 6, except those to be in place after demolition of the Engineer Site Office, will be formally handed over to DLO/N on 30 September 2021. We now propose to defer the handover of 23nr trees involved in issue 1 tentatively in January 2021, upon the completion of new unpaved access. For the 42nr trees involved in issue 2, we propose to execute the re-provision of the tree plantings as soon as possible and hand over them to DLO/N on 30 September 2021.

Should you have no comment, we formally incorporate the issues 1 and 2 into the supplementary information for TPRP rev.4 and submit to you shortly.

Thank you!

Regards,
Carol LEUNG
Senior Resident Landscape Architect

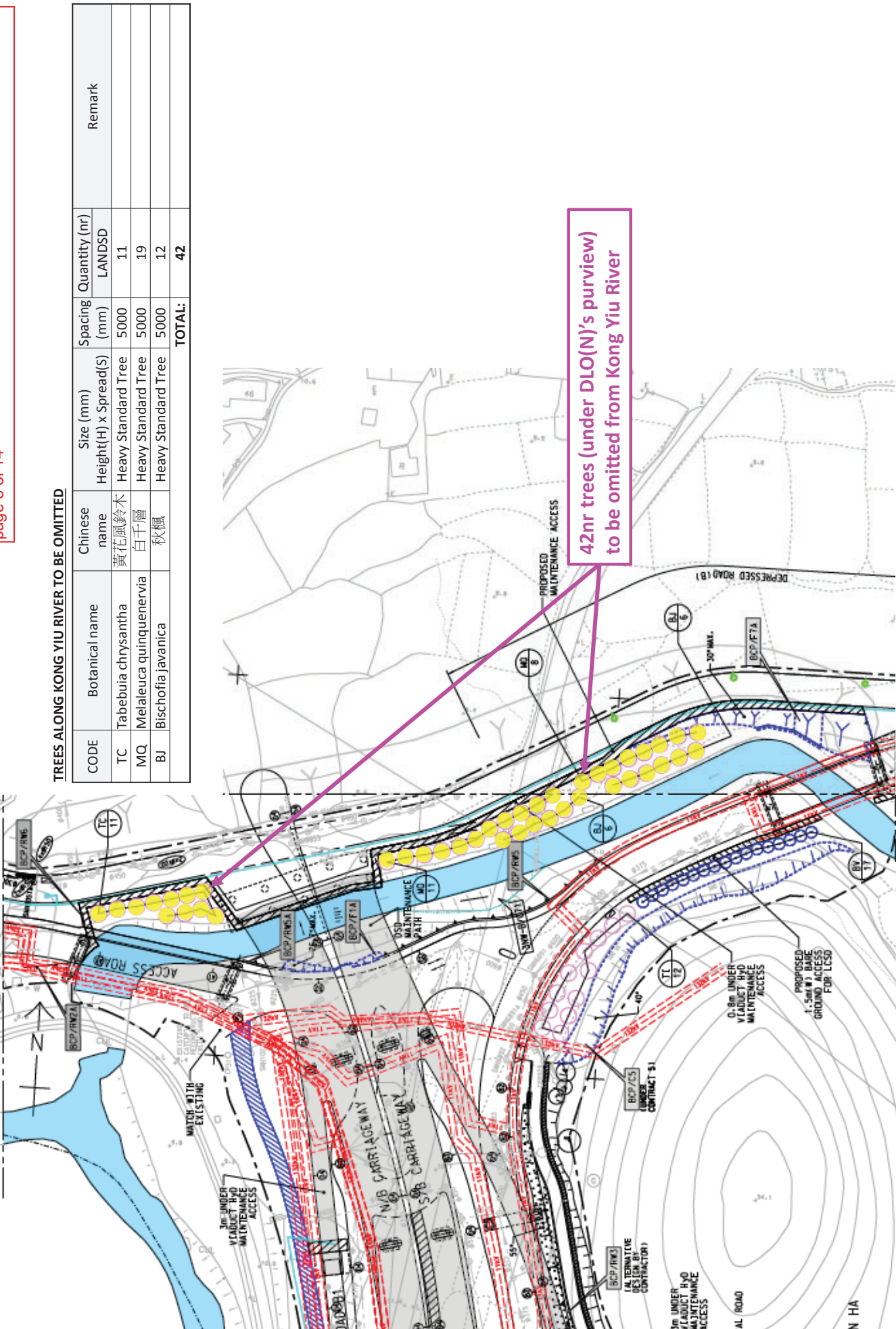
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5017 / 22510603
Fax: 2171 3498

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Proposal 2-Proposal of Re-provision of as-built compensatory Planting for Kong Yiu River Flooding Incident

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Location B
approx. 4hr
Bauhinia blakeana 洋紫荆
(3m spacing)



Location C
approx. 4nr
Lagerstroemia speciosa
大葉紫薇 (3m spacing)

Location E
approx. 9nr
Bauhinia blakeana
洋紫荊 (3m spacing)



Location E
approx. 9nr
Bauhinia blakeana
洋紫荊 (3m spacing)



Location A: 11nr (3m spacing)
Location B: 4nr (3m spacing)
Location C: 4nr (3m spacing)
Location D: 3nr (3m spacing)
Location E: 9nr (3m spacing)
Location F: 11nr (3m spacing)
TOTAL: 42nr (3m spacing)



Location F
approx. 11nr
Lagerstroemia speciosa
大葉紫薇
(3m spacing)



TREES ALONG KONG YIU RIVER TO BE OMITTED

CODE	Botanical name	Chinese name	Size (mm) Height(H) x Spread(S)	Spacing (mm)	Quantity (nr)	
					LANDSD	
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	Heavy Standard Tree	5000	11	
MQ	<i>Melaleuca quinquenervia</i>	白千層	Heavy Standard Tree	5000	19	
BJ	<i>Bischofia javanica</i>	秋楓	Heavy Standard Tree	5000	12	
TOTAL:					42	

PROPOSED REPLANTING OF TREES NEAR SOUTH PORTAL OF CHEUNG SHAN TUNNEL

CODE	Botanical name	Chinese name	Size (mm) Height(H) x Spread(S)	Spacing (mm)	Quantity (nr)	
					LANDSD	
BB	<i>Bauhinia blakeana</i>	洋紫荊	Heavy Standard Tree	3000	24	
LS	<i>Lagerstroemia speciosa</i>	大葉紫薇	Heavy Standard Tree	3000	18	
TOTAL:					42	

LEUNG Siu Yin, Carol

From: lensd5@landsd.gov.hk

Sent: Monday, August 16, 2021 6:31 PM

To: Lam Shu, Albert

Cc: WONG Chi Ho, Anthony; LEUNG Siu Yin, Carol; LUK Eddie Chi Kin; slensd1@landsd.gov.hk; joeyip@cedd.gov.hk; lenlec3@landsd.gov.hk; lhkwok@cedd.gov.hk; KONG Michael Kam Lung; slensd2@landsd.gov.hk; slenlec@landsd.gov.hk; NGO Tsz Kei, Twiggy

Subject: Re: Proposed paving at lands adjoining Kong Yiu River

Importance: High

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Dear Albert,

I refer to your preceding email.

2. Subject to the actual site condition after the shotcrete pavement, this office has no comment to take over the concerned area with shotcrete paved. Thank you.

Best regards,
Lincoln YIP
Land Executive/Special Duties 5,
District Lands Office, North
Tel No.: 2675 1506

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From: ALBERT SHU LAM/CEDD/HKSARG@CEDD
To: Ling Kwan YIP/LAO/LANDSD/HKSARG@LANDSD
Cc: "WONG Chi Ho, Anthony" <anthony.wong@lt-aecom.com>, "LEUNG Siu Yin, Carol" <carol.leung@lt-aecom.com>, LUK Eddie Chi Kin <eddie.luk@lt-aecom.com>, Fanny YL HUANG/LAO/LANDSD/HKSARG@LANDSD, JOE HUNG PING YIP/CEDD/HKSARG@CEDD, Kelly WS WONG/LAO/LANDSD/HKSARG@LANDSD, LONG HIM KWOK/CEDD/HKSARG@CEDD, KONG Michael Kam Lung <michael.kong@lt-aecom.com>, MK CHING/LAO/LANDSD/HKSARG@LANDSD, SH TANG/LAO/LANDSD/HKSARG@LANDSD, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
Date: 16/08/2021 17:50
Subject: Re: Proposed paving at lands adjoining Kong Yiu River

Dear Lincoln,

As discussed, grateful if you would give an agreement to taking over the subject lands in a shotcrete paved (instead of unpaved) condition so that the paving proposal can be taken forward at the soonest. Many thanks.

Best Regards,

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Dear Albert,

I refer to your preceding email.

2. As the area clouded in red is within STLA 2136 which has been allocated to CEDD, this office is not in the position to comment any works to be conducted within the said area.
3. For the vegetated UUGL planned to be reverted back to this office, I have no comment as long as item 2.3(a), (b) or (c) in the attached Notes of Meeting or Appendix A of DevB TCW No. 6/2015 could be fulfilled. Thank you.

Best regards,
Lincoln YIP
Land Executive/Special Duties 5,
District Lands Office, North
Tel No.: 2675 1506

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2

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As spoken, the UUGL adjoining Kong Yiu River as clouded red in the attached layout plans and extracted below were temporarily allocated to CEDD for works relating to the Heung Yuen Wai Highway and would be reverted back to DLO/N after completion of relevant works; following the recent flooding incidents at Kong Yiu River, it is proposed to pave the said lands with shotcrete before it is reverted to DLO/N. Grateful if you would consider this proposal favourably and let us know your agreement urgently preferably **by COP today** so that the proposal can be taken forward at the soonest. Many thanks in advance for your collaboration.



Best Regards,

From: lavmnte.lsc@hyd.gov.hk
To: [NGO Tsz Kei, Twiggy](#)
Cc: [LUK Eddie Chi Kin](#); fdo1.lsc@hyd.gov.hk; aiowvmnte.lsc@hyd.gov.hk; wsivmnte1.lsc@hyd.gov.hk; sfdo.lsc@hyd.gov.hk; [LAI Sui Fong](#)
Subject: Re: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022
Date: Monday, 03 January, 2022 5:29:41 PM
Attachments: [Photos of 11nr slopes with establishment period expiring on 1 Feb 2022.pdf](#)

Dear Twiggy,

As discussed, please note Landscape Division of HyD is responsible for maintenance of vegetation within HyD SIMAR slopes and expressway boundary in general. As such, the vegetation within the non-SIMAR slopes under the captioned Contract should be outside Landscape Division's purview. Besides, please provide the as-built drawings showing the location of the concerned slopes for our reference.

Regards,
Novella Man
LA/VM(NTE)
Landscape Division, HyD
Tel: 3155 5710



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From: "LAI Sui Fong" <s.f.lai@lt-aecom.com>
To: "lavmnte.lsc@hyd.gov.hk" <lavmnte.lsc@hyd.gov.hk>
Cc: "fdo1.lsc@hyd.gov.hk" <fdo1.lsc@hyd.gov.hk>, "LUK Eddie Chi Kin" <eddie.luk@lt-aecom.com>, "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
Date: 03/01/2022 15:47
Subject: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Dear Ms. Man,

I forward my preceding email sent to Ms Pong for your information please.

Best Regards,

Amy LAI
Resident Field Officer I
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works

AECOM Asia Co. Ltd.
Tel: 2251 0625

From: LAI Sui Fong
Sent: 03 January 2022 15:15
To: 'fdo1.lsc@hyd.gov.hk'
Cc: la1.lsc@hyd.gov.hk; LUK Eddie Chi Kin; NGO Tsz Kei, Twiggy
Subject: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Dear Ms. Pong,

The soft landscape establishment works of a total of **11nr slopes** under Contract 6 of Liantang/Heung Yuen Wai BCP Project will be expired on **1 February 2022**. The 11nr slope nos. are:

No.	Design Slope No.	Registered SIMAR feature no.	Expiry of Establishment Period
1	STK/F2	Non-SIMAR	01 February 2022
2	STK/F2A	3NW-D/F65	
3	STK/F8	3NW-D/F74	
4	WKS/F9	Non-SIMAR	
5	WKS/F11	3NW-D/F64	
6	WKS/F13	3NW-D/F72	
7	WKS/F14	Non-SIMAR	
8	WKS/F16	3NW-D/F67	
9	WKS/F18A	Non-SIMAR	
10	BCP/C2	3NW-B/C82	
11	-	3NW-D/F44	

Attached please kindly find the photos of these slopes.

We would like to invite you for a joint-site pre-handover inspection for these slopes, where would be handed-over to HyD for future maintenance. We estimate that we will need 2 half-days for the inspection. Please kindly advise your availability for **2 half days** in the following time slot:

Date	10 Jan 2022 (Mon)	12 Jan 2022 (Wed)	13 Jan 2022 (Thu)	14 Jan 2022 (Fri)
AM				
PM				

Thank you very much.

Best Regards,

Amy LAI
Resident Field Officer I
Liantang / Heung Yuen Wai Boundary Control Point

From: meslopese.nt@hyd.gov.hk
To: [NGO Tsz Kei, Twiggy](#)
Cc: [KONG Michael Kam Lung](#); [LAI Sui Fong](#); miowslopese.nt@hyd.gov.hk; maiowtpnslopes.nt@hyd.gov.hk
Subject: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022
Date: Thursday, 20 January, 2022 11:35:46 AM
Attachments: [Appendix B Hydroseeding proposal for 4nr slopes.pdf](#)
[Appendix C handover record of Civil works.pdf](#)
[Appendix A LCSD's reply.pdf](#)

Dear Twiggy,

We spoke. **I have no objection to your proposal** given that:

- (i) install erosion control mat on the voids after taking away the shrubs / trees;
- (ii) provide completion photos (site handover inspection may be required);
- (iii) submit revised Slope Maintenance Manual if deemed necessary

Regards,

TSANG Hing-fai, Martin
ME/Slopes(E)
NT Region, HyD
Tel: 9886 1806



www.hyd.gov.hk

From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "meslopese.nt@hyd.gov.hk" <meslopese.nt@hyd.gov.hk>
Cc: "KONG Michael Kam Lung" <michael.kong@lt-aecom.com>, "LAI Sui Fong" <s.f.lai@lt-aecom.com>
Date: 19/01/2022 15:13
Subject: FW: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Dear Martin,

I refer to our tele-conversation last week, and the email from LD/HyD dated 3 January 2022 appended below, it was understood that LD/HyD is not responsible for the maintenance of vegetation within the non-SIMAR slopes, and hence they declined the maintenance responsibility of vegetation on Slopes No. STK/C2, WKS/F9, WKS/F14 and WKS/F18A.

As stated in Technical Circular (Works) No. 6/2015, LCSD would be the maintenance agent for the

vegetation on landscaped areas along non-expressway public roads outside country park, including man-made slopes not registered in SIMAR database. LCSD was then approached for the maintenance of the vegetation on these slopes, and they offered their declination on taking up the maintenance responsibility of the such vegetation via email dated 11 January 2022 (see **Appendix A**).

In this regards, we have no other options but to omit the original vegetation on these 4nr non-SIMAR slopes, and to **apply 269.8m2 hydroseeding on these 4nr slopes**, and hand over them to HyD/NTE(Slope) for future maintenance. Please find the attached proposal in **Appendix B** for your acceptance, and the handover records of the civil works of concerned slopes in **Appendix C** for your reference. It was also noted that no establishment period is required for the hydroseeding works, if affirmative.

Should you have any questions, please do not hesitate to contact the undersigned.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2251 0604

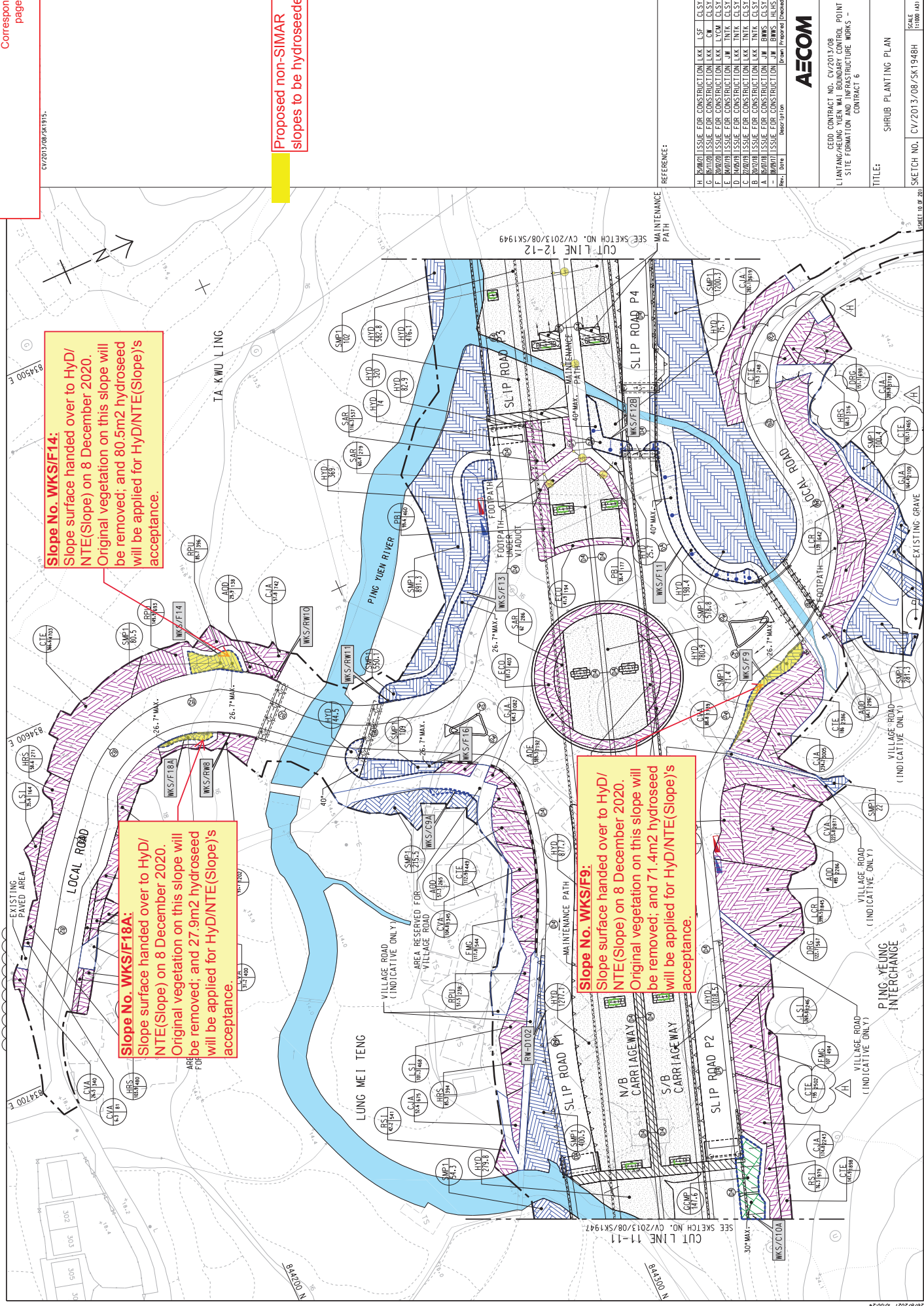
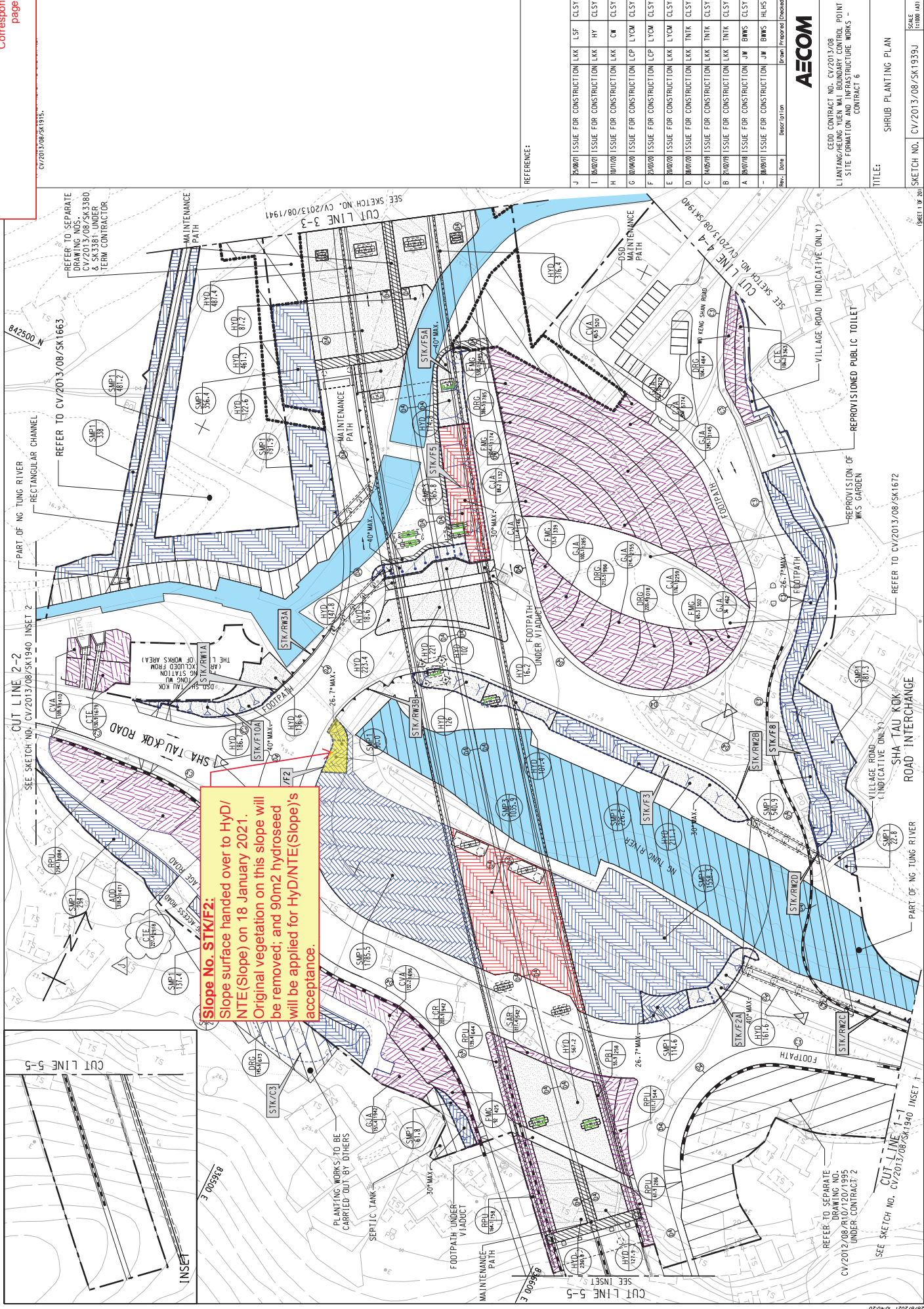
From: lavmnte.lsc@hyd.gov.hk [<mailto:lavmnte.lsc@hyd.gov.hk>]
Sent: Monday, 03 January, 2022 5:28 PM
To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>
Cc: LUK Eddie Chi Kin <eddie.luk@lt-aecom.com>; fdo1.lsc@hyd.gov.hk; aiowvmnte.lsc@hyd.gov.hk; wsiivmnte1.lsc@hyd.gov.hk; sfdo.lsc@hyd.gov.hk; LAI Sui Fong <s.f.lai@lt-aecom.com>
Subject: Re: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Dear Twiggy,

As discussed, please note Landscape Division of HyD is responsible for maintenance of vegetation within HyD SIMAR slopes and expressway boundary in general. As such, the vegetation within the non-SIMAR slopes under the captioned Contract should be outside Landscape Division's purview. Besides, please provide the as-built drawings showing the location of the concerned slopes for our reference.

Regards,
Novella Man
LA/VM(NTE)
Landscape Division, HyD
Tel: 3155 5710

*** This e-mail message (together with any attachments) is for the designated recipient only. It may contain information that is privileged. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure,



Dear Twiggy,

Regards,
Novella Man
LA/VM(NTE)
Landscape Division, HyD
Tel: 3155 5710



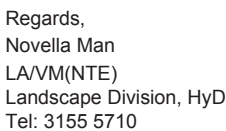
From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "lvmnte.lsc@hyd.gov.hk" <lvmnte.lsc@hyd.gov.hk>
Cc: "LAI Sui Fong" <s.f.lai@lt-aecom.com>
Date: 21/01/2022 16:57
Subject: RE: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Please find our revised replanting proposal for your further review.

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

From: lavmntc.lsc@hyd.gov.hk [<mailto:lavmntc.lsc@hyd.gov.hk>]
Sent: Friday, 21 January, 2022 10:36 AM
To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>
Subject: RE: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Please review if all 5 trees can be planted in the area marked in yellow.



From: "NGO Tsz Kei, Twigg" <twigg.ngo@lt-aecom.com>
To: "javmnte.lsc@hyd.gov.hk" <javmnte.lsc@hyd.gov.hk>
Cc: "aiowvmnte.lsc@hyd.gov.hk" <aiowvmnte.lsc@hyd.gov.hk>, "fdd1.lsc@hyd.gov.hk" <fdd1.lsc@hyd.gov.hk>, "KONG Michael Kam Lung" <michael.kong@lt-aecom.com>, "LAI Sui Fong" <s.f.lai@lt-aecom.com>, "sfddo.lsc@hyd.gov.hk" <sfddo.lsc@hyd.gov.hk>, "wsiivmnte1.lsc@hyd.gov.hk" <wsiivmnte1.lsc@hyd.gov.hk>
Date: 21/01/2022 09:28
Subject: RE: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Regards,
Novella Man
LA/VM(NTE)
Landscape Division, HyD
Tel: 3155 5710



Dear Novella,

Please be informed that the highlighted location on Slope No. 3NW-D/F65 (STK/F2A) is filled with no-fine concrete, which could not provide sufficient soil depth for tree planting; and is 40deg in gradient, which is not recommended for tree planting according to Fig 2.15 of GEO Publication No. 1/2011 “Technical Guidelines on Landscape Treatment for Slopes”. Please find the attached photo for your information.

I refer to our tele-conversation yesterday afternoon and noted that you had reservation on the planting of 3nr trees at the proposed location on SIMAR Slope No. 3NW-D/F20. Please find enclosed a revised proposal for your further review.

Regards,
Twiggy Ngo
Resident Landscape Architect

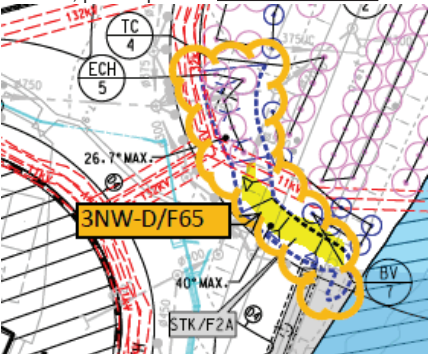
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.

Tel: 6321 5018 / 2251 0604

From: lavmnte.lsc@hyd.gov.hk [<mailto:lavmnte.lsc@hyd.gov.hk>]
Sent: Thursday, 20 January, 2022 12:01 PM
To: NGO Tsz Kei, Twiggy <twiggy.ngo@lt-aecom.com>
Cc: aiowvmnte.lsc@hyd.gov.hk; LUK Eddie Chi Kin <eddie.luk@lt-aecom.com>; fdo1.lsc@hyd.gov.hk; KONG Michael Kam Lung <michael.kong@lt-aecom.com>; LAI Sui Fong <s.f.lai@lt-aecom.com>; sfdo.lsc@hyd.gov.hk; wsiivmnte1.lsc@hyd.gov.hk
Subject: RE: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Dear Twiggy,

Please consider to plant the 5 trees on slope no. 3NW-D/F65 (STK/F2A) instead. It seems that there is sufficient planting space on that slope (as highlighted in yellow in the plan below). Besides, please provide **at least 6 months** of Establishment Period for the new tree plantings.



From: "NGO Tsz Kei, Twiggy" <twiggy.ngo@lt-aecom.com>
To: "lavmnte.lsc@hyd.gov.hk" <lavmnte.lsc@hyd.gov.hk>
Cc: "LUK Eddie Chi Kin" <eddie.luk@lt-aecom.com>, "fdo1.lsc@hyd.gov.hk" <fdo1.lsc@hyd.gov.hk>, "aiowvmnte.lsc@hyd.gov.hk" <aiowvmnte.lsc@hyd.gov.hk>, "wsiivmnte1.lsc@hyd.gov.hk" <wsiivmnte1.lsc@hyd.gov.hk>, "sfdo.lsc@hyd.gov.hk" <sfdo.lsc@hyd.gov.hk>, "LAI Sui Fong" <s.f.lai@lt-aecom.com>, "KONG Michael Kam Lung" <michael.kong@lt-aecom.com>
Date: 18/01/2022 11:51
Subject: RE: FW: CV/2013/08: Pre-handover inspection for 11nr slopes to be handed over to VM(NTE)/HyD on 1 Feb 2022

Dear Novella,

I refer to your last email, it was clarified that **4nr** of the slopes, namely Slopes No. **STK/F2, WKS/F9, WKS/F14 and WKS/F18A** were out of LD/HyD’s purview as they were not registered as SIMAR-features.

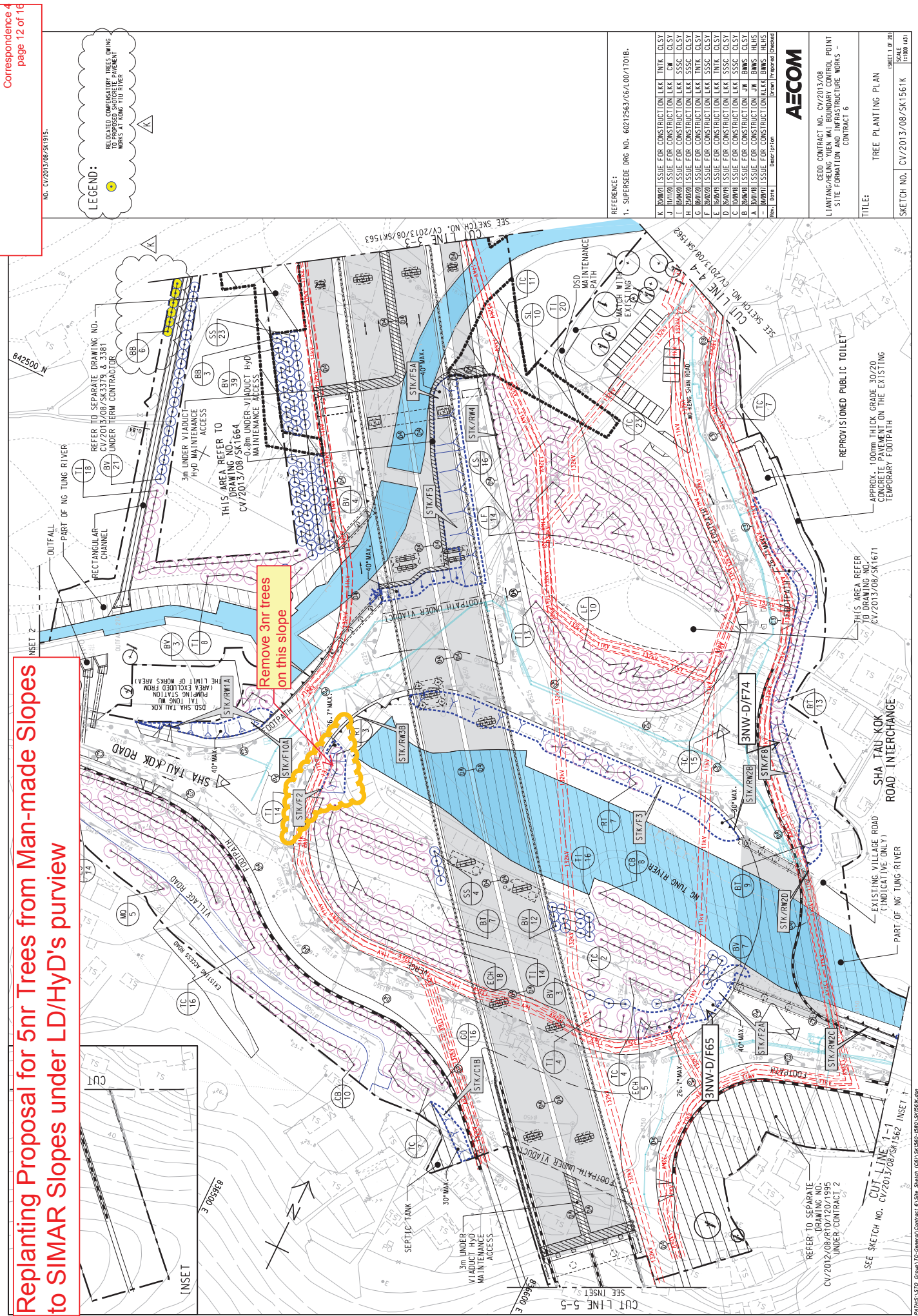
In order to fulfill the committed tree compensation ratio in the approved TPRP(Rev.4), we hereby propose to remove the **5nr** concerned trees (**3nr** on Slope No. **STK/F2** and **2nr** on Slope No. **WKS/F14**) and replant **5nr** trees of the same species and specification (*Reevesia thyrsoidea*梭羅樹, standard tree) at 3 SIMAR Slopes under LD/HyD’s purview, namely SIMAR Slope No. 3NW-D/F20, 3NW-D/F67 and 3NW-D/F72. However, due to limited resources and remaining time of the construction contract, we regret that a 3-month Establishment Period could be offered for the **5nr** newly planted trees. Attached please find the compensatory planting proposal for your acceptance.

The replanting works would pose no time implication to the current handover arrangement of established vegetation on SIMAR slopes. Should you have any question, please feel free to contact me.

Regards,
Twiggy Ngo
Resident Landscape Architect

Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works
AECOM Asia Co. Ltd.
Tel: 6321 5018 / 2251 0604

Section 3.16.19
Correspondence 4
page 11 of 16







Appendix AB

Detail Calculation of Planting Quantity under Each Contract

Tree Planting Quantity by Contracts

Tree Planting Quantity by Contracts					Appendix B		Appendix C	Appendix D	
Sketches Nos. to be referred for planting schedule or planting plans					Contract 5	Contract 6	Contract 2	Contract 3	
					CV/2013/03/SK0578E; CV/2013/03/SK0579D	CV/2013/08/SK1680I; CV/2013/08/SK1671F; CV/2013/08/SK2120E; CV/2013/08/SK3724; CV/2013/08/SK3763A; CV/2013/08/SK3764A; CV/2013/08/SK1664C; CV/2013/08/SK3381C; CV/2020/05/NDO/N1/12/2021/025	CV/2012/08/R10/120/1385L; CV/2012/08/R10/120/1981H	CV/2012/09/R10/120/1805N	
CODE	Botanical Name	Chinese Common Name	Specification	Spacing					Total
Tree Planting - Native									
AS	<i>Aquilaria sinensis</i>	土沉香	Standard Tree			25			25
BB	<i>Bauhinia blakeana</i>	洋紫荆	Heavy Standard Tree			315	23		338
BJ	<i>Bischofia javanica</i>	秋楓	Heavy Standard Tree	5000		115	24	15	154
BT	<i>Bridelia tomentosa</i>	土蜜樹	Light Standard Tree	3000			26	46	72
BT	<i>Bridelia tomentosa</i>	土蜜樹	Standard Tree	5000		27			27
CS	<i>Celtis sinensis</i>	朴樹	Heavy Standard Tree			35	70		105
CB	<i>Cinnamomum burmannii</i>	陰香	Heavy Standard Tree	5000		99	192	35	326
CC	<i>Cinnamomum camphora</i>	樟樹	Heavy Standard Tree	5000		27	10	12	49
DL	<i>Dimocarpus longan</i>	龍眼	Heavy Standard Tree	5000				1	1
ECH	<i>Elaeocarpus chinensis</i>	中華杜英	Light Standard Tree	3000			76	16	92
ECH	<i>Elaeocarpus chinensis</i>	中華杜英	Standard Tree	5000		149			149
FH	<i>Ficus hispida</i>	對葉榕	Light Standard Tree	3000			91	8	99
FH	<i>Ficus hispida</i>	對葉榕	Standard Tree	5000		8			8
GO	<i>Garcinia oblongifolia</i>	嶺南山竹子	Heavy Standard Tree	5000		98			98
IR	<i>Ilex rotunda</i>	鐵冬青	Heavy Standard Tree	5000		71		38	109
IR	<i>Ilex rotunda</i> var. <i>microcarpa</i>	小果鐵冬青	Standard Tree	5000			14		14
LF	<i>Liquidambar formosana</i>	楓香	Heavy Standard Tree	5000		125	116	4	245
MT	<i>Macaranga tanarius</i>	血桐	Heavy Standard Tree	5000		36		1	37
PE	<i>Phyllanthus emblica</i>	餘甘子	Light Standard Tree	3000				13	13
PE	<i>Phyllanthus emblica</i>	餘甘子	Standard Tree	5000		10			10
RT	<i>Reevesia thyrsoidea</i>	梭羅樹	Light Standard Tree	3000				32	32
RT	<i>Reevesia thyrsoidea</i>	梭羅樹	Standard Tree	5000		88			88
SS	<i>Schima superba</i>	荷樹	Standard Tree	5000		300			300
SSU	<i>Schima superba</i>	荷樹	Heavy Standard Tree	3000 / 5000				22	22
SL	<i>Sterculia lanceolata</i>	假蘋婆	Heavy Standard Tree	5000		197	75	31	303
VO	<i>Viburnum odoratissimum</i>	珊瑚樹	Heavy Standard Tree	5000			10		10
SUBTOTAL:									2726
Tree Planting - Exotic									
AL	<i>Albizia lebbbeck</i>	大葉合歡	Heavy Standard Tree	5000				1	1
BC	<i>Bombax ceiba</i>	木棉	Heavy Standard Tree	5000				9	9
BA	<i>Brachychiton acerifolius</i>	槭葉蘋婆	Heavy Standard Tree	5000		19		7	26
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	Heavy Standard Tree	5000	47	538	125	6	716
CR	<i>Callistemon rigidus</i>	紅千層	Standard Tree	5000		123	10		133
EA	<i>Elaeocarpus apiculatus</i>	尖葉杜英	Heavy Standard Tree	5000				5	5
FB	<i>Ficus benjamina</i>	垂葉榕	Heavy Standard Tree	5000			9	1	10
JCK	<i>Juniperus chinensis</i> 'Kaizuca'	龍柏	2000 (H) x 1000 (S)	5000				6	6
KB	<i>Koelreuteria bipinnata</i>	複羽葉欒樹	Heavy Standard Tree	5000				8	8
LI	<i>Lagerstroemia indica</i>	紫薇	Light Standard Tree	5000			103		103
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	Heavy Standard Tree	5000	53	353	393	28	827
MQ	<i>Melaleuca quinquenervia</i>	白千層	Heavy Standard Tree	5000		158	32	5	195
SC	<i>Spathodea campanulata</i>	火焰木	Heavy Standard Tree	5000				15	15
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	Heavy Standard Tree	5000	70	319	42	15	446
TI	<i>Tabebuia impetiginosa</i>	紅花風鈴木	Heavy Standard Tree	5000	24	280	33	41	378
VM	<i>Vernicia motana</i>	木油樹	Heavy Standard Tree	5000				1	1
SUBTOTAL:									2879
Palm Tree Planting - Exotic									
CM	<i>Caryota mitis</i>	短穗魚尾葵	Large Palm				61		61
CO	<i>Caryota ochlandra</i>	魚尾葵	2500 X 1500	3000				246	246
CL	<i>Dypsis lutescens</i>	散尾葵	2500 X 1500	3000 / 5000				314	314
CL	<i>Dypsis lutescens</i>	散尾葵	Large Palm				92		92
PR	<i>Phoenix roebelenii</i>	日本葵	Small Palm	3000			196	69	265
RR	<i>Roystonea regia</i>	王棕	Heavy Standard Tree	5000				1	1
WR	<i>Washingtonia robusta</i>	華盛頓葵	Large Palm				23		23
SUBTOTAL:									1002
TOTAL:									6607

Shrub Planting Quantity by Contracts

					Appendix B		Appendix C	Appendix D	
Sketches Nos. to be referred for planting schedule or planting plans					Contract 5	Contract 6	Contract 2	Contract 3	
					CV/2013/03/SK0585D; CV/2013/03/SK0586C	CV/2013/08/SK2007K; CV/2013/08/SK2943D; CV/2013/08/SK1672E; CV/2013/08/SK2119E; CV/2013/08/SK3725C; CV/2013/08/SK3210B; CV/2013/08/SK3211B; CV/2013/08/SS1663D; CV/2013/08/SK3381C; CV/2013/08/SK2859A; CV/2013/08/SK1423C; CV/2013/08/SK1882B; CV/2013/08/SK1893B	CV/2012/08/R10/120/1395N; CV/2012/08/R10/120/1995D; CV/2012/08/R10/120/1914D; CV/2012/08/R10/120/2063C; CV/2012/08/R10/120/1404C; CV/2012/08/R10/120/1406B; CV/2012/08/R10/120/1409C; CV/2012/08/R10/120/1410D	CV/2012/09/R10/120/1675P; CV/2012/09/R10/120/1765C	
	Botanical Name	Chinese Common Name	Specification	Spacing					Total
Shrub									
AOD	<i>Aglaia odorata</i>	米仔蘭	500(H) x 500(S)	500	2000	12660	3152	3965	21777
CHA	<i>Calliandra haematocephala</i>	紅絨球	500(H) x 500(S)	500		1244			1244
CJA	<i>Camellia japonica</i>	山茶	300(H) x 300(S)	300		32504	17039		49543
CVA	<i>Codiaeum variegatum</i>	灑金榕	300(H) x 300(S)	300	5803	25326	9163		40292
CTE	<i>Cordyline terminalis</i>	紅鐵	300(H) x 300(S)	300	10025	52144	13866		76035
DRG	<i>Duranta repens 'Golden'</i>	金連翹	500(H) x 500(S)	500	1903	15617	2530	2977	23027
FMG	<i>Ficus microcarpa 'Golden Leaf'</i>	黃榕	500(H) x 500(S)	500	990	17978	5846	4794	29608
GJA	<i>Gardenia jasminoides</i>	白蟬	300(H) x 300(S)	300	5000	28769	22039		55808
HRS	<i>Hibiscus rosa-sinensis 'Orange'</i>	橙花扶桑	500(H) x 500(S)	500	500	4183	3280	4468	12431
HRY	<i>Hibiscus rosa-sinensis 'Yellow'</i>	黃花扶桑	500(H) x 500(S)	500	1500	1167			2667
LSI	<i>Ligustrum sinense</i>	山指甲	500(H) x 500(S)	500		3603	7391		10994
LCR	<i>Loropetalum chinense var. rubrum</i>	紅花檵木	500(H) x 500(S)	500	1800	13337	3511		18648
MMA	<i>Melastoma malabathricum</i>	野牡丹	500(H) x 500(S)	500			97		97
MMA	<i>Melastoma malabathricum</i>	野牡丹	300(H) x 300(S)	300			17849		17849
MSA	<i>Melastoma sanguineum</i>	毛萼	500(H) x 500(S)	500			220		220
MSA	<i>Melastoma sanguineum</i>	毛萼	300(H) x 300(S)	300			15499		15499
RIN	<i>Raphiolepis indica</i>	車輪梅	500(H) x 500(S)	500		3517	3937		7454
RPU	<i>Rhododendron pulchrum</i>	紫杜鵑	500(H) x 500(S)	500	2830	13158	2432	829	19249
RSI	<i>Rhododendron simsii</i>	紅杜鵑	300(H) x 300(S)	300		6047	13398		19445
RTO	<i>Rhodomyrtus tomentosa</i>	桃金娘	500(H) x 500(S)	500			288		288
SAR	<i>Schefflera arboricola</i>	鵝掌藤	300(H) x 300(S)	300		4773			4773
SUBTOTAL:									426948
Shade Tolerant Planting									
ECO	<i>Excoecaria cochinchinensis</i>	紅背桂	500(H) x 400(S)	500		2059	9500	3437	14996
PBI	<i>Philodendron bipinnatifidum</i>	春羽	500(H) x 400(S)	500		895	5040	2579	8514
REX	<i>Rhapis excelsa</i>	棕竹	1000(H) x 500(S)	500		2069	3000		5069
SAR	<i>Schefflera arboricola</i>	鵝掌藤	500(H) x 500(S)	500			21		21
SAR	<i>Schefflera arboricola</i>	鵝掌藤	500(H) x 400(S)	500		5431	8284	7115	20830
SUBTOTAL:									49430
Ground cover (at grade, on buildings, on slopes and berm planters)									
ADU	<i>Arachis duranensis</i>	蔓花生	150(H) x 200(S)	150		35216			35216
ACO	<i>Asparagus cochinchinensis</i>	天門冬	200(H) x 200(S)	200		748	12476		13224
ADE	<i>Asparagus densiflorus 'Myers'</i>	狐尾天冬	200(H) x 300(S)	250		10979			10979
CRO	<i>Catharanthus roseus</i>	長春花	150(H) x 200(S)	250		5460			5460
CIG	<i>Cuphea ignea</i>	雪茄花	200(H) x 200(S)	200			9074		9074
DRG	<i>Duranta repens 'Golden'</i>	金連翹	200(H) x 200(S)	200			13964		13964
TSD	<i>Nephrolepis auriculata</i>	腎蕨	200(H) x 200(S)	200		7897	13737		21634
OJA	<i>Ophiopogon japonicus</i>	沿階草	200(H) x 300(S)	300 / 200			6228	2015	8243
PMY	<i>Phyllanthus myrtifolius</i>	錫蘭葉下珠	200(H) x 300(S)	400		468			468
SLI	<i>Sedum lineare</i>	佛甲草	150(H) x 200(S)	150		10307			10307
TSD	<i>Tradescantia spathacea 'dwarf'</i>	矮蚌花	150(H) x 200(S)	250		1518			1518
SUBTOTAL:									130087
Climber									
FPU	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	300		3042	117	2174	5333
FPU	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	250		3956	2093		6049
LJA	<i>Lonicera japonica</i>	金銀花	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	300		218	398		616
LJA	<i>Lonicera japonica</i>	金銀花	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	250		3956	2060		6016
PDA	<i>Parthenocissus dalzielii</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	250		3956	2060		6016
SUBTOTAL:									24030
Grassing									
HYD	Hydroseeding (m2)		-	-	397	106003.2	21514	7007	134921
ZJA	<i>Zoysia japonica</i>	朝鮮草	-	-		161			161
Woodland Mix Planting (WMP)									
BTO	<i>Bridelia tomentosa</i>	土蜜樹	Seedling	2000		248	459	22	729
MAP	<i>Mallotus apelta</i>	白背葉	Seedling	2000		248	465	22	735
PEM	<i>Phyllanthus emblica</i>	餘甘子	Seedling	2000		248	465	22	735
RTH	<i>Reevesia thyrsoidea</i>	梭羅樹	Seedling	2000		248	465	22	735
RSU	<i>Rhus succedanea</i>	木蠟樹	Seedling	2000		248	465	22	735
SUBTOTAL:									3669
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	500		3708	5449	333	9490
PAS	<i>Psychotria asiatica</i>	九節	400(H) x 350(S)	500		3708		333	4041
RIN	<i>Raphiolepis indica</i>	車輪梅	400(H) x 350(S)	500		3708	11732	333	15773
RTO	<i>Rhodomyrtus tomentosa</i>	桃金娘	400(H) x 350(S)	500		3708	5815	333	9856
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 350(S)	500		3708	5815	333	9856
SUBTOTAL:									49016

rounded up to nearest ones

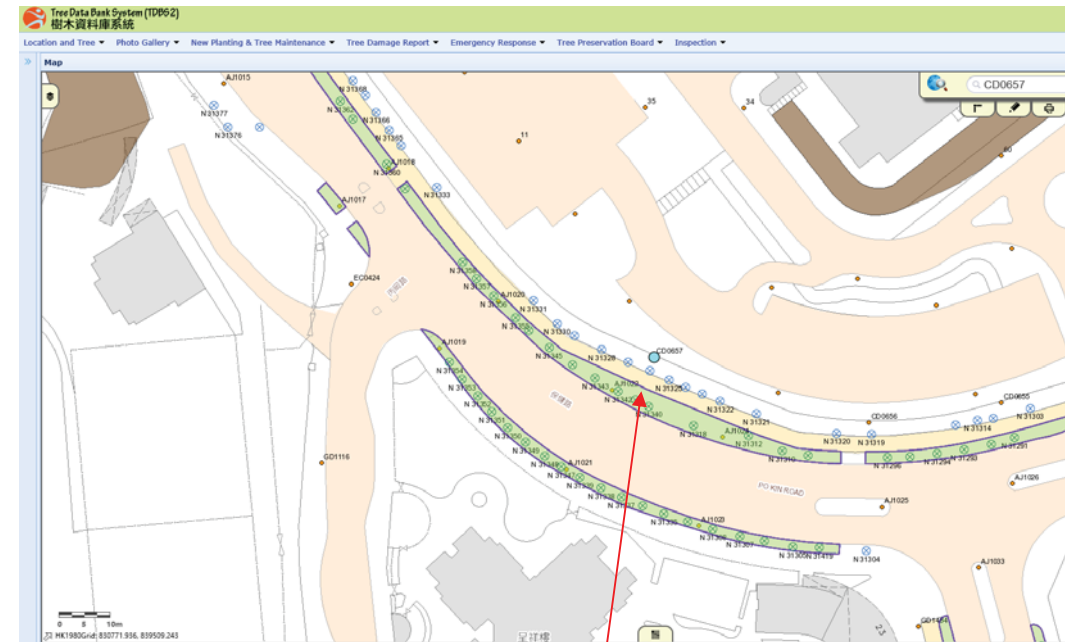
rounded up to nearest ones

Shrub Planting Quantity by Contracts (con't)

Shrub Planting Quantity by Contracts (con't)					Appendix B		Appendix C	Appendix D	
Sketches Nos. to be referred for planting schedule or planting plans					Contract 5	Contract 6	Contract 2	Contract 3	
					CV/2013/03/SK0585D; CV/2013/03/SK0586C	CV/2013/08/SK2007K; CV/2013/08/SK2943D; CV/2013/08/SK1672E; CV/2013/08/SK2119E; CV/2013/08/SK3725C; CV/2013/08/SK3210B; CV/2013/08/SK3211B; CV/2013/08/SS1663D; CV/2013/08/SK3381C; CV/2013/08/SK2859A; CV/2013/08/SK1423C; CV/2013/08/SK1882B; CV/2013/08/SK1893B	CV/2012/08/R10/120/1395N; CV/2012/08/R10/120/1995D; CV/2012/08/R10/120/1914D; CV/2012/08/R10/120/2063C; CV/2012/08/R10/120/1404C; CV/2012/08/R10/120/1406B; CV/2012/08/R10/120/1409C; CV/2012/08/R10/120/1410D	CV/2012/09/R10/120/1675P; CV/2012/09/R10/120/1765C	
	Botanical Name	Chinese Common Name	Specification	Spacing					Total
Shrub at Central Median									
RPU	<i>Rhododendron pulchrum</i>	紫杜鵑	400(H) x 400(S)	400				3304	3304
RSI	<i>Rhododendron simsii</i>	紅杜鵑	400(H) x 400(S)	400				3044	3044
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 400(S)	400				3221	3221
SAV	<i>Schefflera arboricola</i> 'variegated'	花葉鵝掌藤	400(H) x 400(S)	400				3422	3422
								SUBTOTAL:	12991
Shrub at Viaduct Planter									
ICH	<i>Ixora chinensis</i>	龍船花	400(H) x 400(S)	400		4994		4234	9228
RPU	<i>Rhododendron pulchrum</i>	紫杜鵑	400(H) x 400(S)	400		5192		4175	9367
RSI	<i>Rhododendron simsii</i>	紅杜鵑	400(H) x 400(S)	400		5107		4192	9299
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 400(S)	400		9640		4250	13890
								SUBTOTAL:	41784
Shrub Mix Planting (SMP under Contract 2)									
MMA	<i>Melastoma malabathricum</i>	野牡丹	500(H) x 500(S)	500			1494		1494
MSA	<i>Melastoma sanguineum</i>	毛茛	500(H) x 500(S)	500			1494		1494
RIN	<i>Raphiolepis indica</i>	車輪梅	500(H) x 500(S)	500			1494		1494
RTO	<i>Rhodomyrtus tomentosa</i>	桃金娘	500(H) x 500(S)	500			1494		1494
								SUBTOTAL:	5976
Shrub Mix Planting (SMP1 under Contract 3 and Contract 6)									
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	500		74147		7363	81510
RIN	<i>Raphiolepis indica</i>	車輪梅	400(H) x 350(S)	500		74147		7363	81510
RTO	<i>Rhodomyrtus tomentosa</i>	桃金娘	400(H) x 350(S)	500		74147		7363	81510
SAR	<i>Schefflera arboricola</i>	鵝掌藤	400(H) x 350(S)	500		74147		7363	81510
								SUBTOTAL:	326040
Shrub Mix Planting (SMP1 under Contract 2)									
ACE	<i>Ardisia crenata</i>	朱砂根	400(H) x 350(S)	250			6396		6396
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	250			5449		5449
MSA	<i>Melastoma sanguineum</i>	毛茛	400(H) x 350(S)	250			6677		6677
RIN	<i>Raphiolepis indica</i>	車輪梅	400(H) x 350(S)	250			11732		11732
								SUBTOTAL:	30254
Shrub Mix Planting (SMP2 under Contract 3)									
ACE	<i>Ardisia crenata</i>	朱砂根	400(H) x 350(S)	500				9900	9900
LRO	<i>Litsea rotundifolia</i>	豺皮樟	400(H) x 350(S)	500				9900	9900
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	500				9900	9900
MSA	<i>Melastoma sanguineum</i>	毛茛	400(H) x 350(S)	500				9900	9900
PAS	<i>Psychotria asiatica</i>	九節	400(H) x 350(S)	500				9900	9900
								SUBTOTAL:	49500
Shrub Mix Planting (SMP2 under Contract 2)									
ACE	<i>Ardisia crenata</i>	朱砂根	400(H) x 350(S)	500			20274		20274
MMA	<i>Melastoma malabathricum</i>	野牡丹	400(H) x 350(S)	500			17272		17272
MSA	<i>Melastoma sanguineum</i>	毛茛	400(H) x 350(S)	500			21163		21163
RIN	<i>Raphiolepis indica</i>	車輪梅	400(H) x 350(S)	500			37186		37186
								SUBTOTAL:	95895
Shrub Mix Planting under Viaduct (SMP3 and SMP4 under Contract 6)									
ECO	<i>Excoecaria cochinchinensis</i>	紅背桂	500(H) x 400(S)	500		3016			3016
PBI	<i>Philodendron bipinnatifidum</i>	春羽	500(H) x 400(S)	500		3345			3345
REX	<i>Rhapis excelsa</i>	棕竹	1000(H) x 500(S)	500		3345			3345
SAR	<i>Schefflera arboricola</i>	鵝掌藤	500(H) x 400(S)	500		3345			3345
								SUBTOTAL:	13051
Ground cover Mix Planting - Building (GCMP on buildings under Contract 2)									
ACO	<i>Asparagus cochinchinensis</i>	天門冬	200(H) x 300(S)	250			7491		7491
OJA	<i>Ophiopogon japonicus</i>	沿階草	200(H) x 300(S)	250			7491		7491
TSD	<i>Nephrolepis auriculata</i>	腎蕨	200(H) x 300(S)	250			7491		7491
								SUBTOTAL:	22473
Ground cover Mix Planting - External (GCMP1 under Contract 3)									
LSP	<i>Liriope spicata</i>	山麥冬	200(H) x 300(S)	500				1369	1369
TSD	<i>Nephrolepis auriculata</i>	腎蕨	200(H) x 300(S)	500				1369	1369
OJA	<i>Ophiopogon japonicus</i>	沿階草	200(H) x 300(S)	500				1369	1369
								SUBTOTAL:	4107
Ground cover Mix Planting - External (GCMP under Contract 2 and Contract 6, and GCMP2 under Contract 3)									
LSP	<i>Liriope spicata</i>	山麥冬	200(H) x 300(S)	300		6828	1440	2606	10874
TSD	<i>Nephrolepis auriculata</i>	腎蕨	200(H) x 300(S)	300		6828	1422	2606	10856
OJA	<i>Ophiopogon japonicus</i>	沿階草	200(H) x 300(S)	300		6828	1400	2606	10834
								SUBTOTAL:	32564



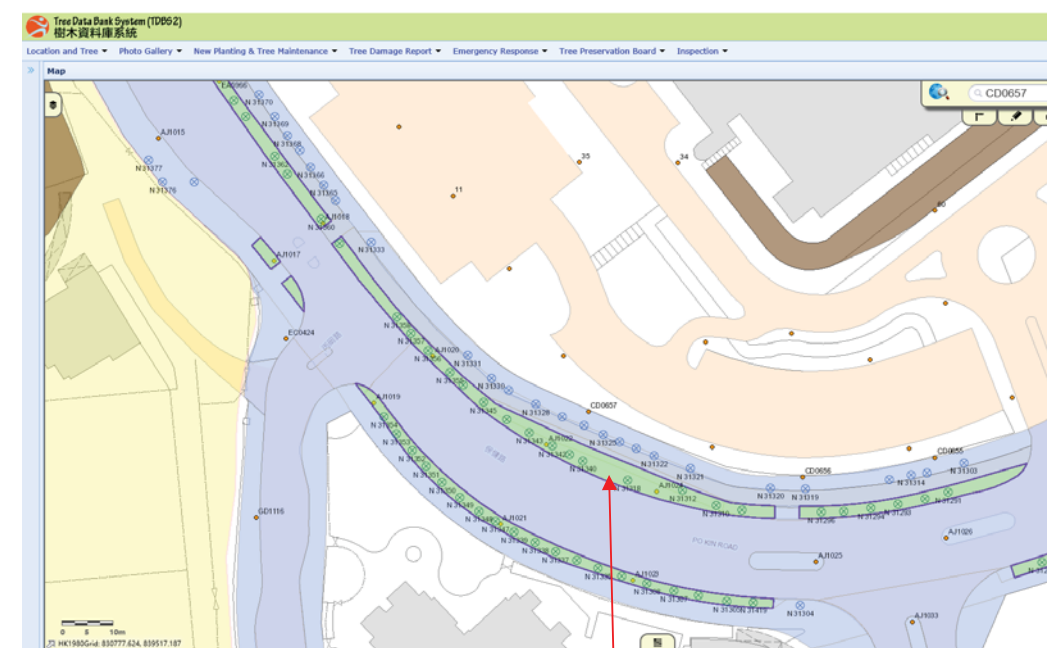
4 No. of "*Brachychiton acerifolius*"



1 No. of "*Brachychiton acerifolius*"



3 No. of "*Brachychiton acerifolius*"



2 No. of "*Brachychiton acerifolius*"

Total: 19 nos.

Corr 9E
(Page 1 of 6)

As spoke, replanting location is attached for your consideration, thanks!

This email message (together with any attachments) is for the designated recipient only. It may contain information that is privileged for the designated recipient. If you are not the intended recipient, you are hereby notified that any use, retention, disclosure, copying, printing, forwarding or dissemination of the message is strictly prohibited. If you have received the message in error, please erase all copies of the message (including attachments) from your system and notify the sender immediately.

Tree planting proposal at Sha Tau Kok Road		Location map	Photos	Nos. of tree
S/N				
1	Sha Tau Kok – Shek Chung Au			4 Schima superba 木荷
2	Sha Tau Kok – Ma Mei Ha			6 Schima superba 木荷

Corr 9E
 (Page 2 of 6)

S/N	Location map	Photos	Nos. of tree
3		<p>Elaeocarpus chinensis 中華杜英</p>	13

Corr 9E
(Page 3 of 6)

S/N	Location map	Photos	Nos. of tree
4	<p>Sha Tau Kok – Ma Mei Ha</p>	<p>Tabebuia chrysantha 黃花風鈴木</p>	12
5	<p>Sha Tau Kok – Ma Mei Ha</p>		

S/N	Location map	Photos	Nos. of tree
6	<p>Sha Tau Kok – Lung Yeuk Tau</p> <p>LP EB7254</p>	<p>Ilex rotunda var. microcarpa 小果鐵冬青</p>	12
7	<p>Sha Tau Kok – Lung Yeuk Tau</p> <p>LP EB7245</p>	<p>Ilex rotunda var. microcarpa 小果鐵冬青</p>	7

S/N	Location map	Photos	Nos. of tree
8		<p>Xanthostemon chrysanthus 金蒲桃</p>	9
Total:			72

LEUNG Yik Hei, Emily

Subject: FW: Re: Fw: Outstanding Items of HYWH Project
Attachments: 20200904-proposed boundary.JPG; SK3016E.pdf; SK3016F.PDF; IMG_5750.JPG; 20200826 CEDD memo.pdf; IMG_5778.JPG

From: LING Yun, Julian
Sent: Wednesday, 23 September 2020 3:56 PM
To: TANG Ka Yiu, Gary <gary.tang@lt-aecom.com>
Cc: WONG Chi Ho, Anthony <anthony.wong@lt-aecom.com>
Subject: FW: Re: Fw: Outstanding Items of HYWH Project

Dear Gary

The below e-mails from CEDD and TD refer.

See the item for "Proposed bus stops near Chuk Yuen Village Road and HYW BCP Coach Stacking Area".

Regards
 Julian Ling

From: mkyim@cedd.gov.hk [mailto:mkyim@cedd.gov.hk]
Sent: Friday, September 11, 2020 3:46 PM
To: LING Yun, Julian; NG Nga Tat, Owen
Cc: Lo Chi Fai, Steve; mkyim@cedd.gov.hk
Subject: 轉寄: Re: Fw: Outstanding Items of HYWH Project

Dear Owen and Julian,

Please address TD's comments. Due to the size of the email, I deleted the attachment for Item 3.1 3) which will be sent in separate email.

Feel free to contact me for discussion. Thanks.

Regards,

Keith YIM
 E/6(N)
 NDO, CEDD
 Tel: 3547 1641

— Forwarded by MAN KIT YIM/CEDD/HKSARG on 11/09/2020 15:42 —

From: Ting Hong CHAN/TD/HKSARG@TD
To: STEVE CHI FAI LO/CEDD/HKSARG@CEDD@GCN-NOTES
Cc: Man Leung FUNG/TD/HKSARG@TD, SW LAM/TD/HKSARG, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, Bit Ching TAM/HYD/HKSARG@HYD, MAN KIT YIM/CEDD/HKSARG@CEDD, Yiu Wa WONG/HYD/HKSARG@HYD
Date: 11/09/2020 15:34
Subject: Re: Fw: Outstanding Items of HYWH Project

Dear Steve,

Please kindly find TD's coordinated reply below for outstanding items of HYWH Project for your further actions.

Item 1 - Access from Lin Ma Hang Road to Tsung Yuen Ha Village

TD has no objection to take up the junction of Lin Ma Hang Road with the village access to Tsung Yuen Ha Village up the red line as shown on the attached photo. We have no strong view to remove/relocate the affected traffic aids if relevant management and maintenance responsibilities have concerns on the traffic signs and road markings on access road under their purview. Please be reminded to submit draft gazette notices for "No stopping" zones for our necessary actions.

Item 3.1 - Road side access from Lin Ma Hang Road mini roundabout to existing road side private lots and DSD's sewage pumping station

Based on TD and CEDD joint site visit on 1 Sep, it is noted that there is already a new development along the access road connecting one side of the Lin Ma Hang Interchange to the other side along the boundary fence which was not indicated in any of the engineering drawings. It is doubted on the statement by AECOM that the anticipated usage of the side access is low and there would be no queue back from the side access onto the roundabout as stated in AECOM's emails dated 9 April and 4 June. Hence, TD has reservation on providing drop kerbs on the road side access at Lin Ma Hang Road mini roundabout. Therefore, Few items are listed below for your attention.

1) Please kindly review the design and provide entry and exit arms of roundabout substantiate the TPDM standard accordingly at the concerned junction.

2) The road characteristics (footpath or vehicular access) of access road along boundary fence should be clarified. It seems the access road would likely be a hot spot of illegal parking. Provision of control measures at both ends should be considered.

3) At the joint site meeting dated 10 September, Chuk Yuen Village representatives have mentioned that the roundabout does not have sufficient space for 16m long vehicles making U-turn maneuvering. Please kindly provide the swept path analysis to justify the roundabout substantiate the TPDM standard accordingly.

Item 4 - Access road from Lin Ma Hang Road to Chuk Yuen Village

TD has no objection to take up the management responsibility of the access road from Lin Ma Hang Road to Chuk Yuen Resite Village. However, the exact extent of the road to be managed has to be further agreed and the section of the road to be managed by this Department should have already been gazetted under Cap 370 or other relevant ordinances.

At the joint site meeting dated 10 September, Chuk Yuen Village representatives suggested road humps should be provided along Chuk Yuen Village Road. Please be noted that use of road humps in public road under TD's purview is not supported for safety reasons. We have no strong view if other parties to take up the management and maintenance responsibilities for road sections with road humps. In addition, feedback on the gradient of run in/out and the width of footpath along Chuk Yuen Village Road have also be mentioned in the site meeting. Please kindly review the design and carry out necessary actions immediately.

In addition, Few items are listed below for your attention.

1) Please kindly provide the swept path analysis along the whole Chuk Yuen Village Road, especially at the road bend, not only at the junction with Lin Ma Hang Road.

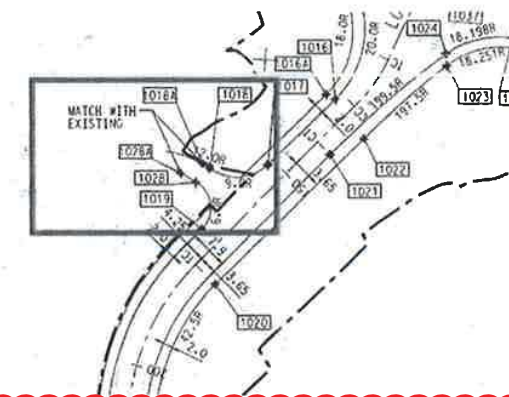
2) The proposed traffic sign "single lane village road ahead" in "SK3016E.pdf" is not a standard traffic sign. Although the concerned sign are removed in "SK3016F.pdf", we would like to clarify that TD will not take up the management responsibility of this sign.

3) Please kindly review the proposed road marking RM1103 at the end of the access road near the car park and as the carriageway width is not adequate for two-way traffic.

4) Please be reminded that tactile warning strips should be provided at new cautionary crossings.

5) Please kindly clarify the management responsibilities of the car park at Chuk Yuen Resite Village as mentioned in site meeting dated 10 Sep.

6) Please advise the purpose of this side access and substantiate if the junction design complied with TPDM standards. In particular, please advise the sightline at this junction.



I refer to your memo dated 26 August 2020 (memo ref. (027GG7) in NDO-30-4160-CV/2013/08-M05-400) and have following comments from traffic engineering point of view:

- 1) TD will not take up the management responsibilities of the proposed permanent village road which is indicated in Appendix II in your memo.
- 2) The junction of Chuk Yuen Village Road / proposed village access road and junction of Chuk Yuen Village Road / Lin Ma Hang Road are too close to each other. Pleaser review the junction arrangement.
- 3) Swept path analysis for turning manoeuvring of long vehicles between village access / Chuk Yuen Village Road and Chuk Yuen Village Road / Lin Ma Hang Road should be provided (Especially from village access right turn to other junction) to demonstrate the junctions are sufficient. Sufficient sightline should also be clarified.

If you have any further queries, please do not hesitate to contact me.

Terence T H Chan
E/IP
TE(NTW) Div., Transport Department
Tele : 2399 2778
Fax : 2381 3799

From: STEVE CHI FAI LO/CEDD/HKSARG@CEDD
To: SW LAM/TD/HKSARG@TD
Cc: Bit Ching TAM/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, MAN KIT YIM/CEDD/HKSARG@CEDD, Man Leung FUNG/TD/HKSARG@TD, Ting Hong CHAN/TD/HKSARG@TD, Yiu Wa WONG/HYD/HKSARG@HYD
Date: 24/08/2020 02:20 PM
Subject: Re: Fw: Outstanding Items of HYWH Project

Dear Daniel
As discussed, please see attached supplementary information.

Item 1 - Access from Lin Ma Hang Road to Tsung Yuen Ha Village

According to previous discussion, since the as-built gradient of the concerned road section is about 10% due to site constraint, TD only agreed to take up the road section up to the LMH footpath edge area. The remaining road section would be taken up by HAD. After deliberations, the existing road marking and drainage gullies within the road section to be taken up by HAD should be removed/ abandoned. AECOM to revise the details of road markings/traffic aids and drainage gullies for TD and HAD's agreement.

As built traffic signs and road marking at the junction of Lin Ma Hang Road and Tsung Yuen Ha village access road (Annex A.pdf).

[attachment "Annex A.pdf" deleted by Ting Hong CHAN/TD/HKSARG]

The proposed traffic aids at the concerned road junction (SK3595).
[attachment "SK3595.pdf" deleted by Ting Hong CHAN/TD/HKSARG]

Advice from TD is required whether the proposed traffic aids drawing at the concerned road junction is acceptable.

Item 3.1 - Road side access from Lin Ma Hang Road mini roundabout to existing road side private lots and DSD's sewage pumping station

Existing private properties and DSD sewage pumping station on the west side of Lin Ma Hang Road near the mini roundabout of Lin Ma Hang Road / Heung Yuen Wai Highway Slip Road B1 are currently enjoying direct vehicular access from Lin Ma Hang Road. They requested for re-provisioning of vehicular access from Lin Ma Hang Road after the completion of the mini roundabout construction. The road side access in the form of drop kerbs is intended to be reprovisioning of an existing road side access used by the local villagers. The local villagers strongly requested to maintain the location of the original roadside access. There were also physical constraints on site including private lots and existing installations/features which prevented the relocation of the proposed roadside access.

As observed on site, the vehicular traffic to these existing properties are extremely low, just a few number of vehicles per day. Two drawings SK3016F and SK3446A showing the proposed layout, simply in form of a drop kerb, for the captioned reprovisioned vehicular access, in view of its extremely low usage.

[attachment "SK3016F.PDF" deleted by Ting Hong CHAN/TD/HKSARG] [attachment "SK3446A.PDF" deleted by Ting Hong CHAN/TD/HKSARG]
In view of site constraint, land issue and extreme low usage, we would appreciate if TD could agree to the proposed arrangement.

Item 4 - Access road from Lin Ma Hang Road to Chuk Yuen Village

Under the M&M matrix circulated at planning stage, the access road should be managed and maintained by TD and HyD respectively.

In response to TD's previous comments that the road did not comply with TPDM's standard, AECOM has provided justifications and rationales on the current design regarding the deviation from the TDPM standard:

[attachment "Swept paths (12m and 16m) Lin Ma Hang Rd_Chuk Yuen Village access junction.pdf" deleted by Ting Hong CHAN/TD/HKSARG] [attachment "SK0327E.pdf" deleted by Ting Hong CHAN/TD/HKSARG] [attachment "SK0591C.pdf" deleted by Ting Hong CHAN/TD/HKSARG] [attachment "SK3016E.pdf" deleted by Ting Hong CHAN/TD/HKSARG]
[attachment "Chuk Yuen Village access road.pdf" deleted by Ting Hong CHAN/TD/HKSARG]

a) The completed Chuk Yuen Village access road is a rural single two-lane carriageway for two-way traffic, and has been constructed by widening the existing one-lane carriageway used by the local residents. Before the widening works, there were existing utilities, including 11kv electricity cables, telecom cables, water mains, and 4 nos. of rising mains for sewage and leachate, in the carriageway, and immediately to the edge of the existing carriageway were private lots, natural slopes, and grave. In order to minimize the impacts to private lots and existing slopes adjacent to the carriageway, 2.5% cross fall as stated in TPDM Vol. 2 Chapter 3.4 section 3.4.1.1 is adopted instead of the super-elevation under Table 3.3.3.1 of TPDM Vol. 2 Chapter 3.3.

b) The radius of 42.5m shown in the Sketch CV/2013/08/SK0327E is the radius for the back kerb of the 2m wide footpath. The inner most radius of the carriageway at this location is 44.5m (= 42.5 + 2), which is more than the absolute minimum (R1) of design speed 50 km/h in accordance with Table 3.3.3.1 of TPDM Vol. 2 Chapter 3.3.

c) The swept path analysis for 12m and 16m long vehicles for the Lin Ma Hang Road / Chuk Yuen Village access road is attached.

d) As illustrated in the attached photo "Chuk Yuen Village access road" showing the current conditions of Chuk Yuen Village access road, apart from Chuk Yuen Village, the access road also serves other properties and households outside and away from Chuk Yuen Village. Hence it is not an access road leading only to Chuk Yuen Village.

In addition, HyD has agreed to take up the maintenance role of the access road subject to TD to take up its management role.

Taking into account the site constraints and land issue, together with the justifications from AECOM on the road layout design, we would appreciate if TD could accept the completed road works and agree to take up its management role.

Regards,

Steve LO
SE/3(N)
NDO, CEDD
(Tel: 3547 1633/ 9433 3944)

From: SW LAM/TD/HKSARG@TD
To: STEVE CHI FAI LO/CEDD/HKSARG@CEDD
Cc: Bit Ching TAM/HYD/HKSARG@HYD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, MAN KIT YIM/CEDD/HKSARG@CEDD, Man Leung FUNG/TD/HKSARG@TD, Ting Hong CHAN/TD/HKSARG@TD, Yiu Wa WONG/HYD/HKSARG@HYD
Date: 24/08/2020 10:49
Subject: Re: Fw: Outstanding Items of HYWH Project

Dear Steve,

TD will accept the management of the subject facilities subject to the following conditions:

- (a) the design of the subject facilities complies with TPDM;
- (b) the works are completed according to the approved drawings;
- (c) HyD has agreed to serve as the maintenance agent.

Can you demonstrate that you have fulfilled the above conditions?

Best regards,
Daniel S W Lam
SE/N, TE/NTE, TD
(Tel: 2399 2228)

From: STEVE CHI FAI LO/CEDD/HKSARG@CEDD
To: SW LAM/TD/HKSARG@TD
Cc: Yiu Wa WONG/HYD/HKSARG@HYD, Man Leung FUNG/TD/HKSARG@TD, Bit Ching TAM/HYD/HKSARG@HYD, Ting Hong CHAN/TD/HKSARG@TD, Jocelyn Chui Shan TSANG/TD/HKSARG@TD, MAN KIT YIM/CEDD/HKSARG@CEDD
Date: 24/08/2020 10:26 AM
Subject: Re: Fw: Outstanding Items of HYWH Project