



Lam Geotechnics Limited

Ground Investigation & Instrumentation Professionals

Ref : G1525/CS/L897/HyD
Date : 20 December 2018

Highways Department

Major Works Project Management Office
Major Works Office (2)
3rd Floor
Ho Man Tin Government Offices,
88 Chung Hau Street,
Ho Man Tin,
Kowloon

By Post & Fax: 2714 5289

Attn: Mr. Tony Cheung (Sr Engr 4/Central Wanchai Bypass)

Dear Mr. Cheung,

Contract No. HY/2010/08

Central – Wan Chai Bypass – Tunnel (Slip Road 8 Section)

As-Built Drawings of Noise and Visual Mitigation Measures
in the deposited Additional Mitigation Plan for Slip Road 8
(under Condition 2.12 of Environmental Permit No. EP-482/2013/A)

We refer to the email on 20 December 2018 from RSS attaching a Response to Comment Table and supplementary annexes for addressing EPD's comments issued on 19 October 2018, we have reviewed the submitted details and hereby certified this submission in accordance with Condition 2.12 of EP-482/2013/A.

Should you have any enquiry, please feel free to contact the undersigned at 2839 5666.

Yours faithfully,
For and On Behalf of
Lam Geotechnics Limited

Raymond Dai
Environmental Team Leader

c.c. AECOM CWB
AECOM WDII
Ramboll

- Mr. Peter Poon (By Fax: 3912 3010)
- Ms. Gloria Tang (By Fax: 2587 1877)
- Mr. David Yeung (By Fax: 3465 2899)



Ref.: AACWBIECEM00_0_10928L.18

20 December 2018

Highways Department
Major Works Project Management Office
Major Works Office (2)
3rd Floor, Ho Man Tin Government Offices
88 Chung Hau Street
Ho Man Tin, Kowloon
Hong Kong

By Post and Fax (2714 5289)

Attention: Mr. Tony Cheung

Dear Mr. Cheung,

**Re: Contract No. HY/2010/08
Central – Wan Chai Bypass –Tunnel (Slip Road 8 Road)**

**As-built Drawings of Noise and Visual Mitigation Measures for Slip Road 8
under condition 2.12 of EP-482/2013/A**

Reference is made to the Response-to-Comment Table and Annexes 1 to 3 received through RSS's e-mail on 20 December 2018 for addressing EPD's comments dated 19 October 2018 on the captioned As-built Drawings of Noise and Visual Mitigation Measures for Slip Road 8.

Please be informed that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 2.12 in the captioned Environmental Permits.

Thank you very much for your attention and please do not hesitate to contact the undersigned should you have any queries.

Yours sincerely,



David Yeung
Independent Environmental Checker

c.c.	AECOM	Attn: Mr. Peter Poon	by fax: 3912 3010
	AECOM	Attn: Ms. Gloria Tang	by fax: 2587 1877
	Lam	Attn: Mr. Raymond Dai	by fax: 2882 3331

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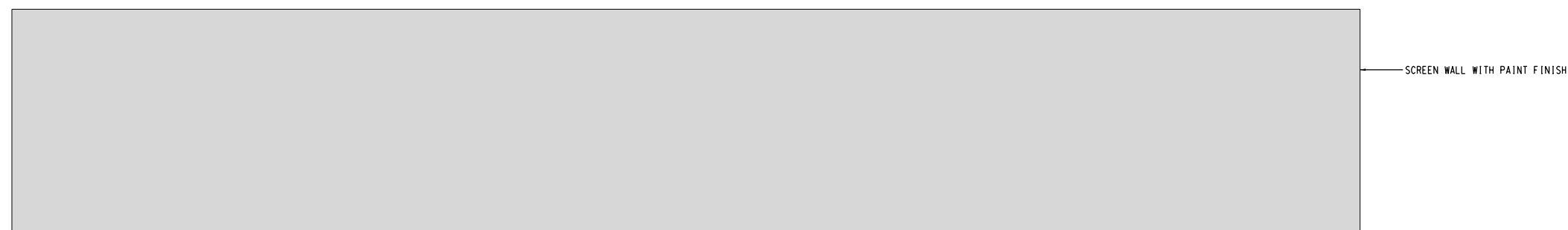
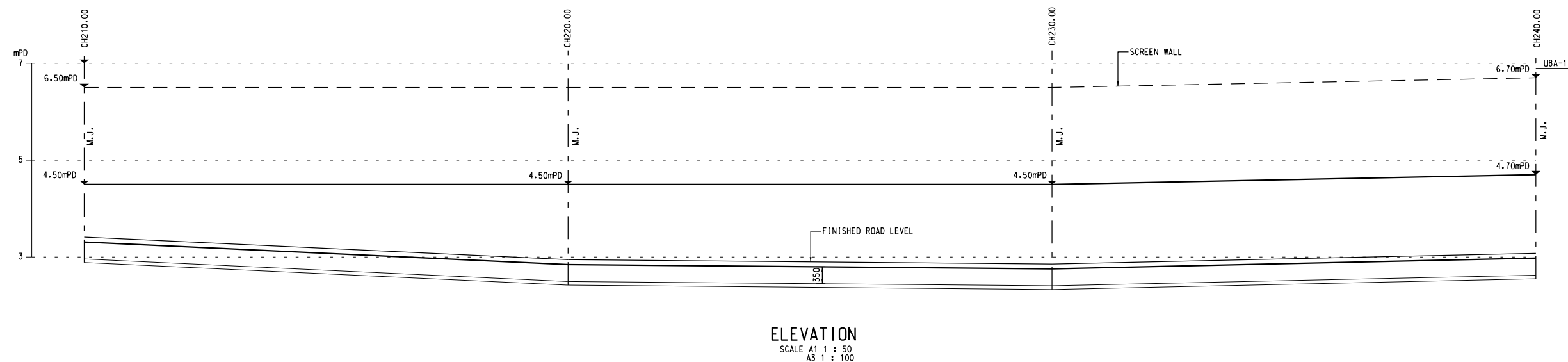
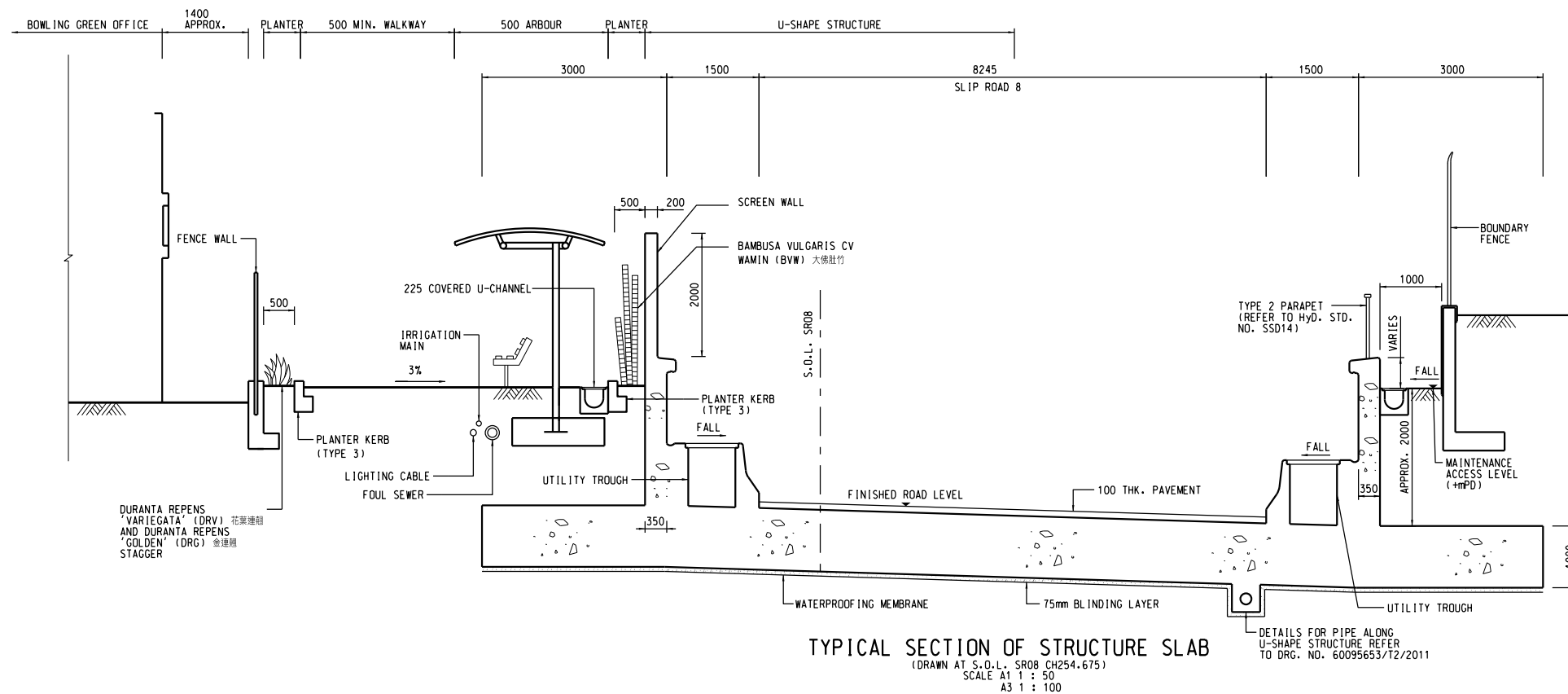
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As-built Drawings of the Landscape and Visual Mitigation Measures for Slip Road 8

(CONDITION 2.12 OF OPERATION ENVIRONMENTAL PERMIT, EP-482/2013/A)

- 1. Status of as-built drawings of the noise and visual mitigation measures for Slip Road 8**
- 1.1 The submission includes the as-built drawing of the detail section and wall pattern of noise screening structure. As the tree and shrub planting amongst the noise screening structure are underway, the as-built drawings of the tree and shrub planting will be submitted once available.



WALL PATTERN DETAIL FOR NOISE SCREENING
SCALE A1 1 : 25
A3 1 : 50

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 2. THIS DRAWING IS READ IN CONJUNCTION WITH DRAWING NO. 60095653/T2/3011C TO 3013C.

-	11-01-18	AS BUILT	KFC	TC	TS
Rev.	Date	Description	Drawn	Prepared	Checked
AECOM CENTRAL - WAN CHAI BYPASS AND IEC LINK CONTRACT NO. HY/2010/08 CENTRAL - WAN CHAI BYPASS - TUNNEL (SLIP ROAD 8 SECTION)					
TITLE: SCREEN WALL ASBUILT					
SKETCH NO.	60095653/T2/SK0830				SCALE AS SHOWN

Siu Chi Man, Terry

From: Kenny KT HO [kktho@lcsd.gov.hk]
Sent: Monday, October 30, 2017 12:50 PM
To: Siu Chi Man, Terry; Mr. Tse Hoi Yin, Henry - Highways Department
Cc: Eric CY CHAN
Subject: Fw: Victoria Park - Planting Plan for Additional Walkway and Revised Tree Transplanting Plan
Attachments: SK0742.pdf; SK0750.pdf

Dear Henry and Terry,

Please be advised that we have no adverse comment for the proposed planting plan for the additional walkway and the proposed location of 12 nos. transplanting trees.

Regards,
Kenny HO
AM(VP)2
Tel: 2890 4204

----- Forwarded by Kenny KT HO/LCSD/HKSARG on 30/10/2017 12:46 -----

From: "Siu Chi Man, Terry" <Terry.Siu@cwbaecom.com>
To: 'Kenny KT HO' <kktho@lcsd.gov.hk>
Cc: Eric CY CHAN <ecyichan@lcsd.gov.hk>, "Mr. Tse Hoi Yin, Henry - Highways Department" <e5cwb.mw@hyd.gov.hk>, "Norton, Denis Arthur" <Denis.Norton@cwbaecom.com>, Ho Shui Tim <st.ho@cwbaecom.com>, "Ng Ka Yiu, Yo Yo" <yoyo.ng@cwbaecom.com>, "Chan Wai Sang, Eric" <eric.chan@cwbaecom.com>, "Ho Kwong Wah, Sherman" <sherman.ho@cwbaecom.com>, "Wong Tze Kwong, Patrick" <patrick.wong@cwbaecom.com>
Date: 19/10/2017 15:25
Subject: Victoria Park - Planting Plan for Additional Walkway and Revised Tree Transplanting Plan

Dear Kenny,

As discussed in the VPMO Meeting yesterday, please advise whether you have any comment on the proposed planting plan for the additional walkway as shown on the attached Sketch No. SK0750.

Please also advise your comment on the proposed relocation of 12 no. transplanting trees as shown green on the attached Sketch No.SK0742 in order to maintain the existing footpath system in the Park.

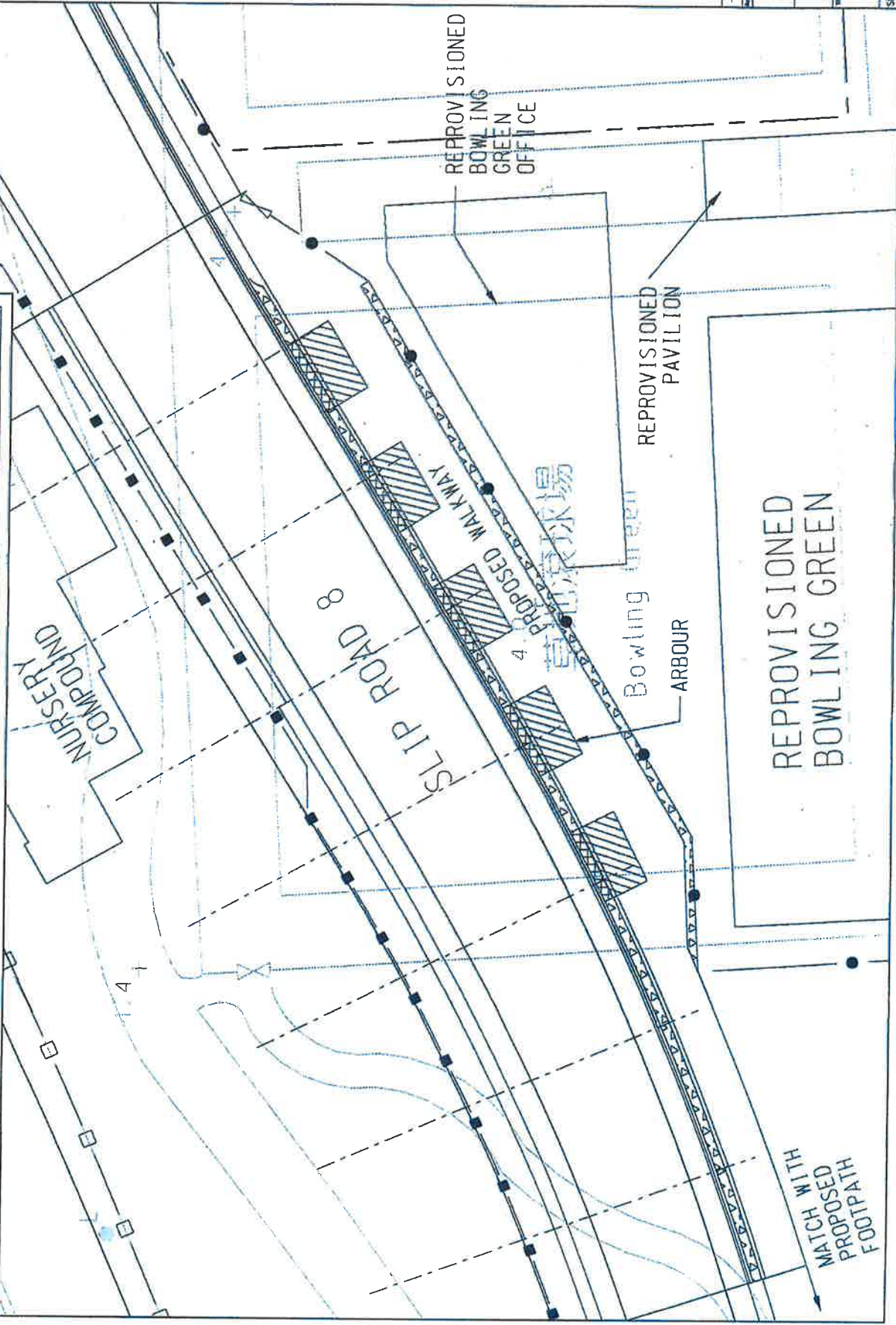
Regards,

Terry

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PLANTING SCHEDULE

CODE	BOTANICAL NAME	CHINESE NAME	SPECIFICATION (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M2	QUANTITY	COMMENT
SHRUB PLANTING							
DRG	DURANTA REPENS 'GOLDEN'	金邊黃	400(H) x 400(S)	300	12.54	800	PLANT ALL SPECIES IN A STAGGERED PATTERN
BAMBOO PLANTING							
BVM	BAMBUSA VULGARIS CV WAMIN	大銀竹	1500(H) x 5	SHOOTS	500	4	61



KEY PLAN
SCALE 1:10000

NOTE:

1. ALL DIMENSIONS ARE IN
MILLIMETRES UNLESS OTHERWISE
STATED.

LEGEND:

- BOUNDARY FENCE
DETAILS REFER TO
WORKING DRG.
NO. 60095653/72/55421
- EXISTING BOUNDARY
FENCE TO BE
MAINTAINED
- FENCE WALL DETAILS
REFER TO SKETCH NO.
60095653/72/SK02691
- EXISTING FENCE WALL
TO BE MAINTAINED
- ARBOUR
- PLANTING OF BVM
- PLANTING OF DRG
AND DRG STAGGER

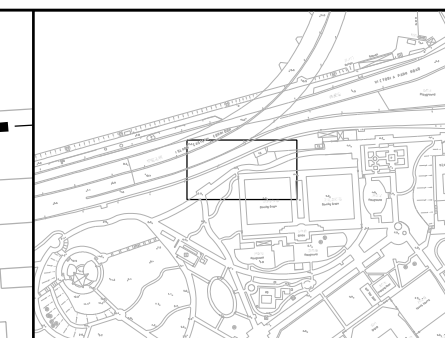
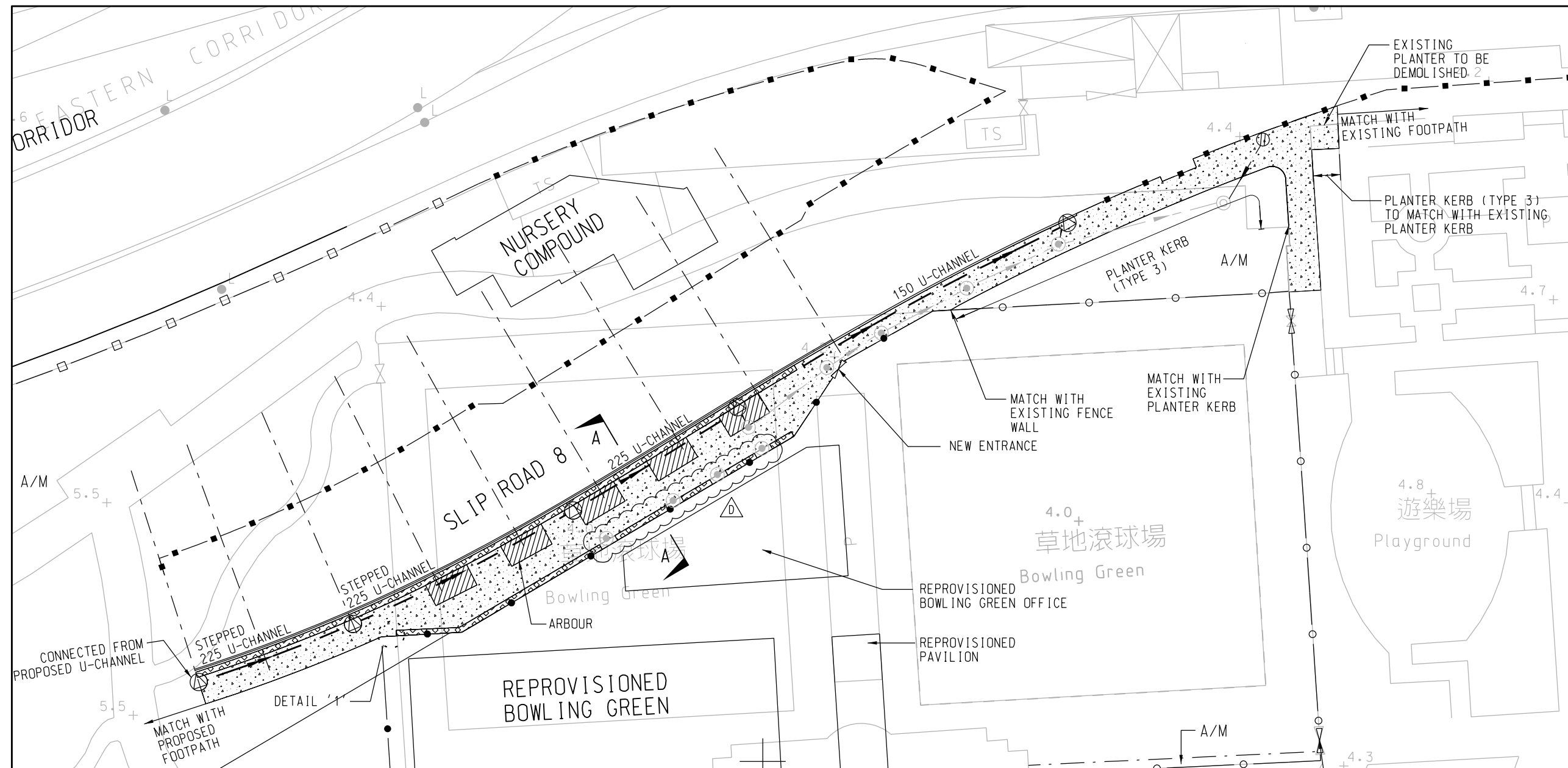
DATE	FOR INFORMATION	DATE	BY

AECOM

CENTRAL - WAM CHIAI BYPASS AND DRG LINK
CONTRACT NO. 1020000
CENTRAL - WAM CHIAI BYPASS - TUNNEL
(SLIP ROAD 8 SECTION)

SKETCH NO. 60095653/72/SK0750

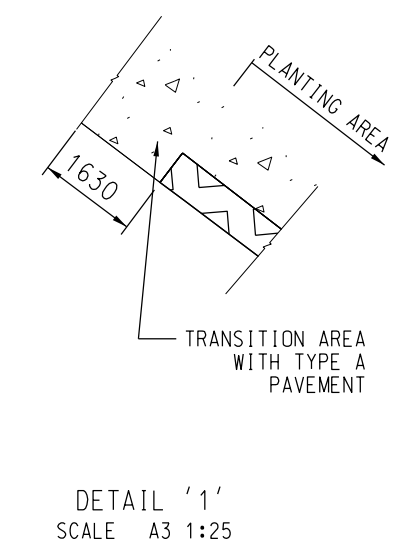
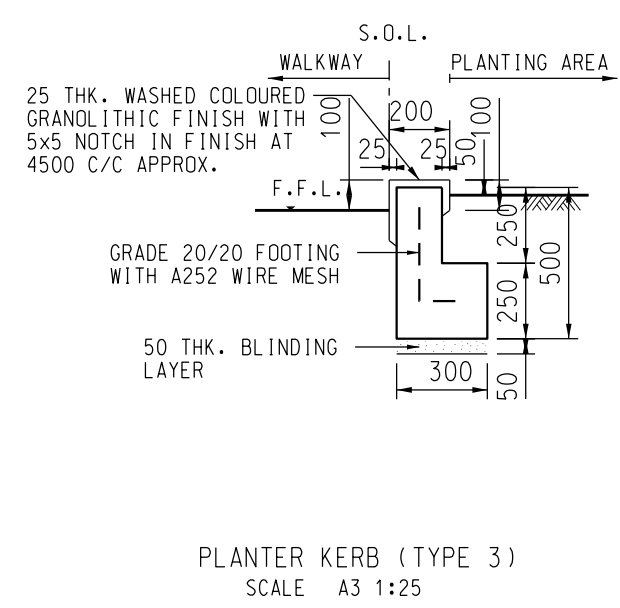
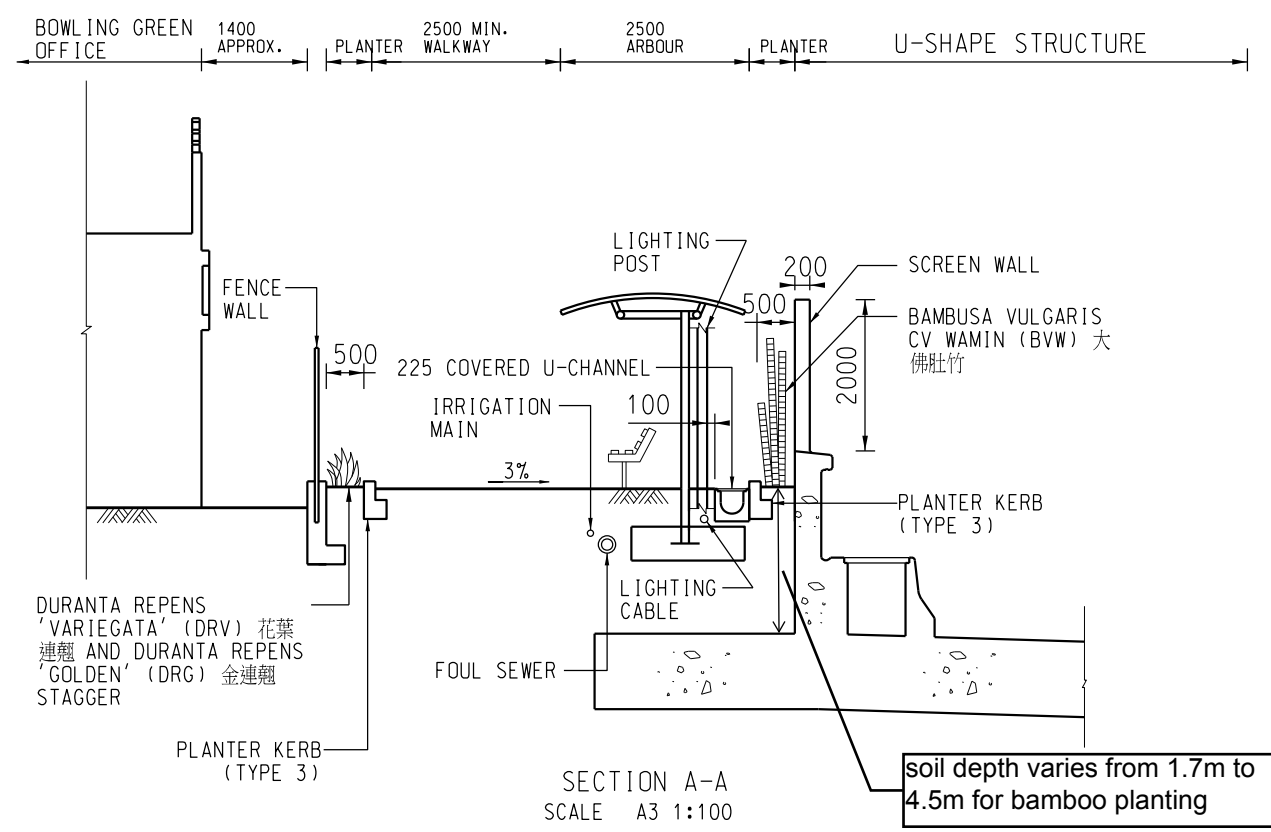
PLANTING PLAN FOR ADDITIONAL WALKWAY
BEHIND REPROVISIONED BGO



KEY PLAN SCALE 1:5000

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. FOR LIGHTING LAYOUT, REFER TO SKETCH NO. 60095653/T2/SK0762.

- LEGEND:
- BOUNDARY FENCE (DETAILS REFER TO WORKING DRG. NO. 60095653/T2/5542)
 - EXISTING BOUNDARY FENCE TO BE MAINTAINED
 - FENCE WALL (DETAILS REFER TO SKETCH NO. 60095653/T2/SK0269)
 - EXISTING FENCE WALL TO BE MAINTAINED
 - ARBOUR
 - PLANTING AREA
 - PROPOSED WALKWAY (TYPE A PAVEMENT, REFER TO SKETCH NO. 60095653/T2/SK0250)
 - U-CHANNEL WITH DRAINPIT (DETAILS REFER TO WORKING DRG. NO. 60095653/T2/5522 AND SKETCH NOS. 60095653/T2/SK0759 AND SK0609)
 - EXISTING STORMWATER MANHOLE (REFER TO SKETCH NO. 60095653/T2/SK0496)
 - STORMWATER MANHOLE (REFER TO SKETCH NO. 60095653/T2/SK0496)
 - PROPOSED GULLY (REFER TO WORKING DRG. NO. 60095653/T2/5522)



Rev.	Date	Description	Drawn	Prepared	Checked
D	29-06-10	DIVIDED PLANTER AREA NEXT TO REPROVISIONED BG	KFC	TC	TH
C	07-02-10	NOTE 2 ADDED AND SECTION A-A REVISED	KFC	TC	TH
B	21-11-10	225 U-CHANNEL REVISED AND DETAIL '1' ADDED	CPL	TC	TH
A	13-10-10	PLANTER & DRAINAGE DETAILS ADDED	CPL	TC	TH
-	14-06-17	FOR CONSTRUCTION	CPL	FF	TH

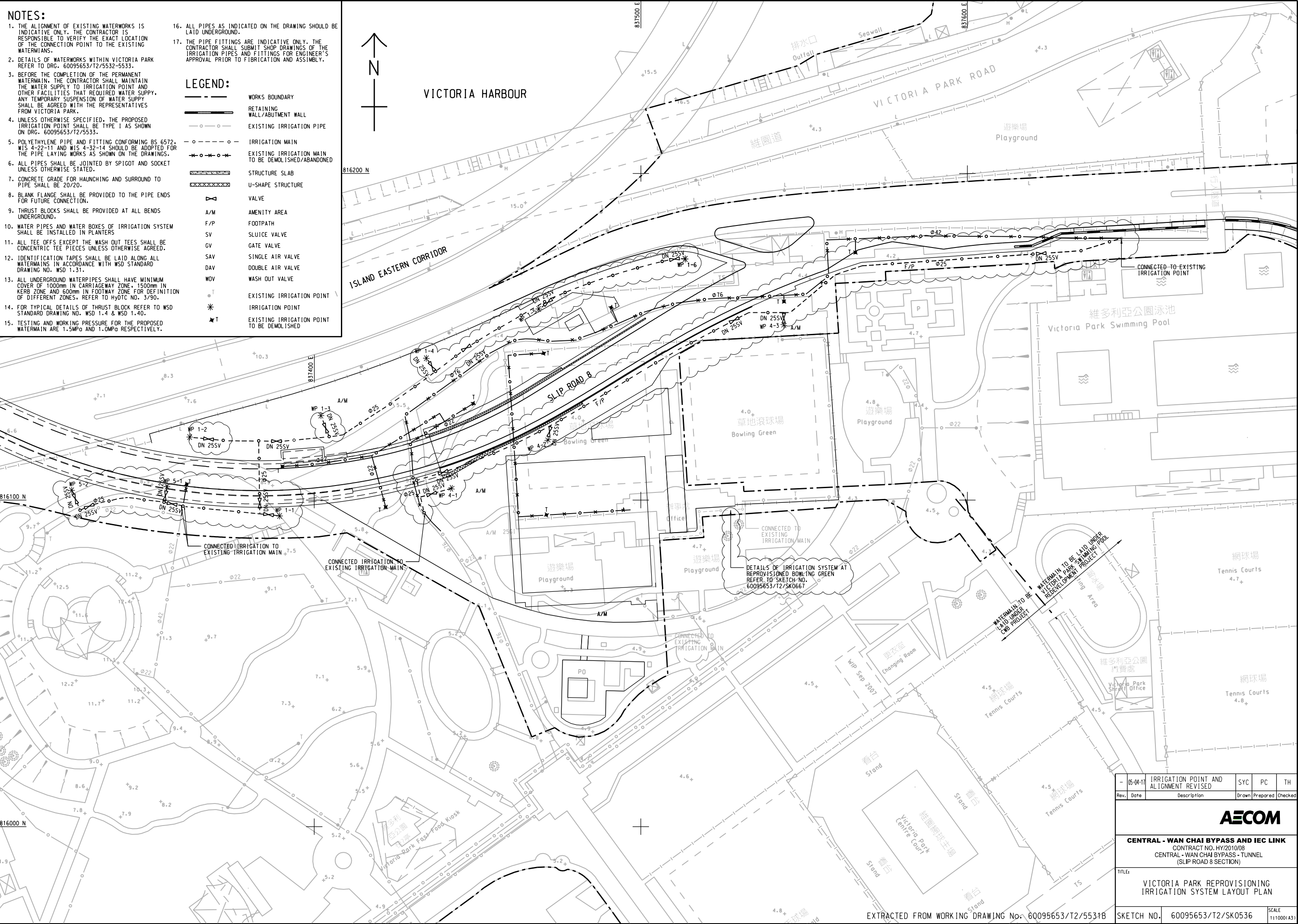
AECOM

CENTRAL - WAN CHAI BYPASS AND IEC LINK
CONTRACT NO. HY/2010/08
CENTRAL - WAN CHAI BYPASS - TUNNEL
(SLIP ROAD 8 SECTION)

TITLE:
LAYOUT PLAN FOR ADDITIONAL WALKWAY
BEHIND REPROVISIONED BGO

SKETCH NO. 60095653/T2/SK0721D SCALE 1:500(A3)

- NOTES:
1. THE ALIGNMENT OF EXISTING WATERWORKS IS INDICATIVE ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXACT LOCATION OF THE CONNECTION POINT TO THE EXISTING WATERMANS.
2. DETAILS OF WATERWORKS WITHIN VICTORIA PARK REFER TO DRG. 60095653/T2/5532-5533.
3. BEFORE THE COMPLETION OF THE PERMANENT WATERMAIN, THE CONTRACTOR SHALL MAINTAIN THE WATER SUPPLY TO IRRIGATION POINT AND OTHER FACILITIES THAT REQUIRED WATER SUPPLY. ANY TEMPORARY SUSPENSION OF WATER SUPPLY SHALL BE AGREED WITH THE REPRESENTATIVES FROM VICTORIA PARK.
4. UNLESS OTHERWISE SPECIFIED, THE PROPOSED IRRIGATION POINT SHALL BE TYPE 1 AS SHOWN ON DRG. 60095653/T2/5533.
5. POLYETHYLENE PIPE AND FITTING CONFORMING BS 6572, WIS 4-22-11 AND WIS 4-32-14 SHOULD BE ADOPTED FOR THE PIPE LAYING WORKS AS SHOWN ON THE DRAWINGS.
6. ALL PIPES SHALL BE JOINTED BY SPIGOT AND SOCKET UNLESS OTHERWISE STATED.
7. CONCRETE GRADE FOR HAUNCHING AND SURROUND TO PIPE SHALL BE 20/20.
8. BLANK FLANGE SHALL BE PROVIDED TO THE PIPE ENDS FOR FUTURE CONNECTION.
9. THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS UNDERGROUND.
10. WATER PIPES AND WATER BOXES OF IRRIGATION SYSTEM SHALL BE INSTALLED IN PLANTERS
11. ALL TEE OFFS EXCEPT THE WASH OUT TEES SHALL BE CONCENTRIC TEE PIECES UNLESS OTHERWISE AGREED.
12. IDENTIFICATION TAPES SHALL BE LAID ALONG ALL WATERMANS IN ACCORDANCE WITH WSD STANDARD DRAWING NO. WSD 1.31.
13. ALL UNDERGROUND WATERPIPES SHALL HAVE MINIMUM COVER OF 100mm IN CARRIAGEWAY ZONE, 150mm IN KERB ZONE AND 600mm IN FOOTWAY ZONE FOR DEFINITION OF DIFFERENT ZONES. REFER TO HYDTC NO. 3/90.
14. FOR TYPICAL DETAILS OF THRUST BLOCK REFER TO WSD STANDARD DRAWING NO. WSD 1.4 & WSD 1.40.
15. TESTING AND WORKING PRESSURE FOR THE PROPOSED WATERMAIN ARE 1.5MPa AND 1.0MPa RESPECTIVELY.
16. ALL PIPES AS INDICATED ON THE DRAWING SHOULD BE LAID UNDERGROUND.
17. THE PIPE FITTINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE IRRIGATION PIPES AND FITTINGS FOR ENGINEER'S APPROVAL PRIOR TO FIBRICATION AND ASSEMBLY.
- LEGEND:
WORKS BOUNDARY
RETAINING WALL/ABUTMENT WALL
EXISTING IRRIGATION PIPE
IRRIGATION MAIN
EXISTING IRRIGATION MAIN TO BE DEMOLISHED/ABANDONED
STRUCTURE SLAB
U-SHAPE STRUCTURE
VALVE
A/M AMENITY AREA
F/P FOOTPATH
SV SLUICE VALVE
GV GATE VALVE
SAV SINGLE AIR VALVE
DAV DOUBLE AIR VALVE
WOV WASH OUT VALVE
EXISTING IRRIGATION POINT
IRRIGATION POINT
EXISTING IRRIGATION POINT TO BE DEMOLISHED



Rev.	Date	Description	SYC	PC	TH
05-04-17		IRRIGATION POINT AND ALIGNMENT REVISED			
AECOM					
CENTRAL - WAN CHAI BYPASS AND IEC LINK CONTRACT NO. HY/2010/08 CENTRAL - WAN CHAI BYPASS - TUNNEL (SLIP ROAD 8 SECTION)					
TITLE: VICTORIA PARK REPROVISIONING IRRIGATION SYSTEM LAYOUT PLAN					
SKETCH NO.		60095653/T2/SK0536			SCALE 1:1000(1:83)

EXTRACTED FROM WORKING DRAWING No. 60095653/T2/5531B

EPD's comment via memo dated 19 October 2018 ref. (22) in EP2/H4/S3/15 Pt.47	<u>Responses</u>
<p>Wan Chai Development Phase II – Central-Wan Chai Bypass at Wan Chai East</p> <p><u>EP Condition 2.12: Submission of As-built Drawings of the Noise and Visual Mitigation Measures in the Deposited Additional Mitigation Plan for Slip Road 8</u></p>	
<p>It is noted that this “As-built- drawings” is the same as the revised plan “Appendix C” under C.2.16 of FEP 10/364/2009/B submitted by China State Construction Engineering (HK) Ltd on 30.8.2018. Since C.2.12 of EP-482/2013/A is in conjunction with C.2.16 of FEP 10/364/2009/B, our comment on Appendix C under C.2.16 of FEP 10/364/2009/B, as extracted below, is also applicable to this submission:</p> <p>I. The proposed planting of <i>Bambusa vulgaris</i> is an acceptable alternative measure, subject to the agreement from the future vegetation maintenance agent e.g. LCSD on the proposed plant species and its spacing etc.</p>	<p>Acceptance of the proposed planting of <i>Bambusa vulgaris</i> from LCSD has been obtained on 30 October 2017 as per the email attached in Annex 1.</p>
<p>II. Details to support the proposed bamboo planting, e.g. width and depth of soil medium and irrigation arrangement should be indicated in the section A-A drawing.</p>	<p>For the width of the soil medium please refer to the site sketch as attached in Annex 2. For the depth of the soil medium, it varies from 1.7m to 4.5m. For the irrigation arrangement layout and details of waterpoint, please refer to the site sketch as attached in Annex 3.</p>