



# Lam Geotechnics Limited

Ground Investigation & Instrumentation Professionals

華益土力有限公司

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

**Highways Department**  
Major Works Project Management Office  
Major Works Office (2)  
3<sup>rd</sup> 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	- Mr. Peter Poon	(By Fax: 3912 3010)
AECOM WDII	- Ms. Gloria Tang	(By Fax: 2587 1877)
Ramboll	- 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)  
3<sup>rd</sup> 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

Q:\Projects\AACWBIECEM00\Corr\AACWBIECEM00\_0\_10928L.18.docx

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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.

**From:** @lcsd.gov.hk]  
**Sent:** Monday, October 30, 2017 12:50 PM  
**To:** Highways Department  
**Cc:**  
**Subject:** Fw: Victoria Park - Planting Plan for Additional Walkway and Revised Tree Transplanting Plan  
**Attachments:** SK0742.pdf; SK0750.pdf

Dear

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,

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

From:  
To:  
Cc:

Date: 19/10/2017 15:25  
Subject: Victoria Park - Planting Plan for Additional Walkway and Revised Tree Transplanting Plan

Dear

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,

-----  
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.  
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KEY PLAN  
SCALE 1:2000(1:1)

NOTES:

1. THIS SKETCH SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. 6009563/12/2601, 2602 AND 2603.
2. THE LOCATIONS OF COMPENSATORY TREES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY AND TO BE AGREED ON SITE WITH THE ENGINEER. THE LOCATIONS ARE SUBJECT TO CHANGES TO ANY LOCATIONS WITHIN VICTORIA PARK, IF THERE ARE INSTANCES FOR THE CONTRACTOR TO WORK OUTSIDE THE SITE BOUNDARY. THIS SHALL DEEM TO BE COVERED BY THE CONTRACTOR'S INSURANCE AND AT NO ADDITIONAL COST TO THE EMPLOYER.
3. THE EXACT LOCATIONS FOR ALL TRANSPLANTED TREES AND COMPENSATORY TREES TO BE DETERMINED ON SITE.

LEGEND:

- ⊙ (E30(R)) RETAINED TREE
- ⊙ (T251(T)) FINAL LOCATION OF TRANSPLANTED TREE WITHIN VICTORIA PARK
- ⊙ (T251(T)) FINAL LOCATION OF TREE TO BE TRANSPLANTED FROM OFF SITE NURSERY
- (T251(T)) REVISED LOCATION OF TREE TO BE TRANSPLANTED FROM OFF SITE NURSERY

NO	DATE	DESCRIPTION	CP	INT	BY

**AECOM**

CENTRAL WALK CHINA SQUARE AND VIC LINK  
 CENTRAL WALK CHINA SQUARE (PHASE)  
 (SUB-ROAD SECTION)

TREE TRANSPLANTING PLAN  
 WITHIN VICTORIA PARK

SKETCH NO. 6009563/12/SK0142



**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. 60095653/72/5602851)
- EXISTING FENCE WALL TO BE MAINTAINED
- ▨ ARBOUR
- ⊗ PLANTING OF BVM
- ⊘ PLANTING OF DRG AND DRG STAGGER

FOR INFORMATION	DATE	BY	NO.

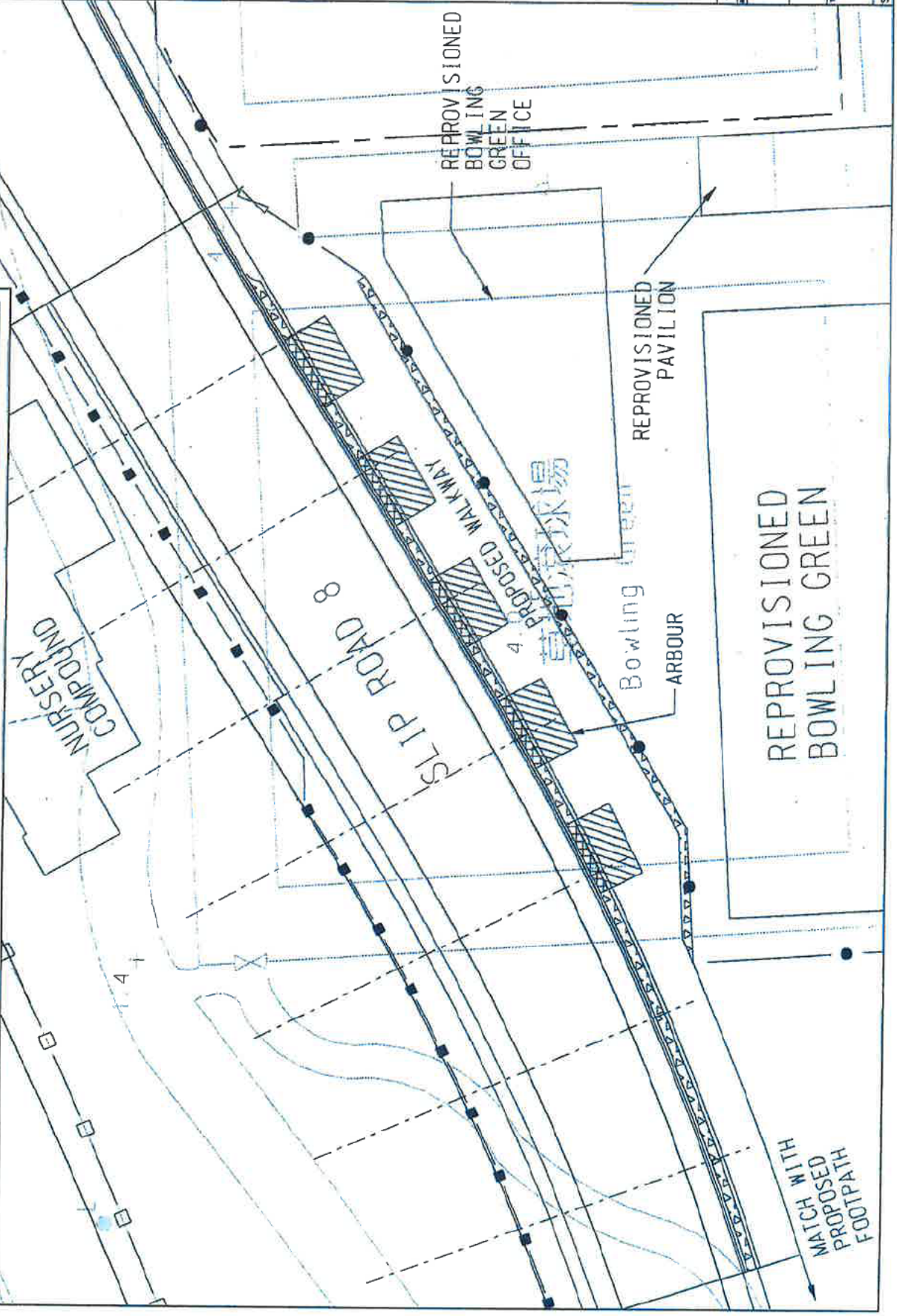
**AECOM**

CENTRAL - WAI CHAI BYPASS AND REC LINK  
CONTRACT NO. HYDRO-0  
CENTRAL WAI CHAI BYPASS - TUNNEL  
(SUPPLEMENT SECTION)

PLANTING PLAN FOR ADDITIONAL WALKWAY BEHIND REPROVISIONED BGO

SKETCH NO. 60095653/72/SK0750

PLANTING SCHEDULE							
CODE	BOTANICAL NAME	CHINESE NAME	SPECIFICATION (mm) HEIGHT(H) x SPREAD(S)	SPACING (mm)	NO./M <sup>2</sup>	QUANTITY	COMMENT
<b>SHRUB PLANTING</b>							
DRG	DURANTA REPENS 'GOLDEN'	金邊黃	400(H) x 400(S)	300	12.54	800	PLANT ALL SPECIES IN A STAGGERED PATTERN
<b>BAMBOO PLANTING</b>							
BVM	BAMBUSA VULGARIS CV BIMIN	大眼竹	1500(H) x 5 SHOOT	500	4	61	



REPROVISIONED BOWLING GREEN

REPROVISIONED PAVILION

REPROVISIONED BOWLING GREEN OFFICE

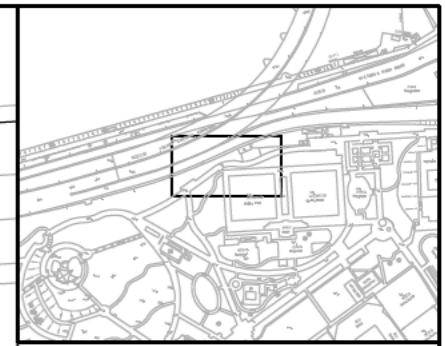
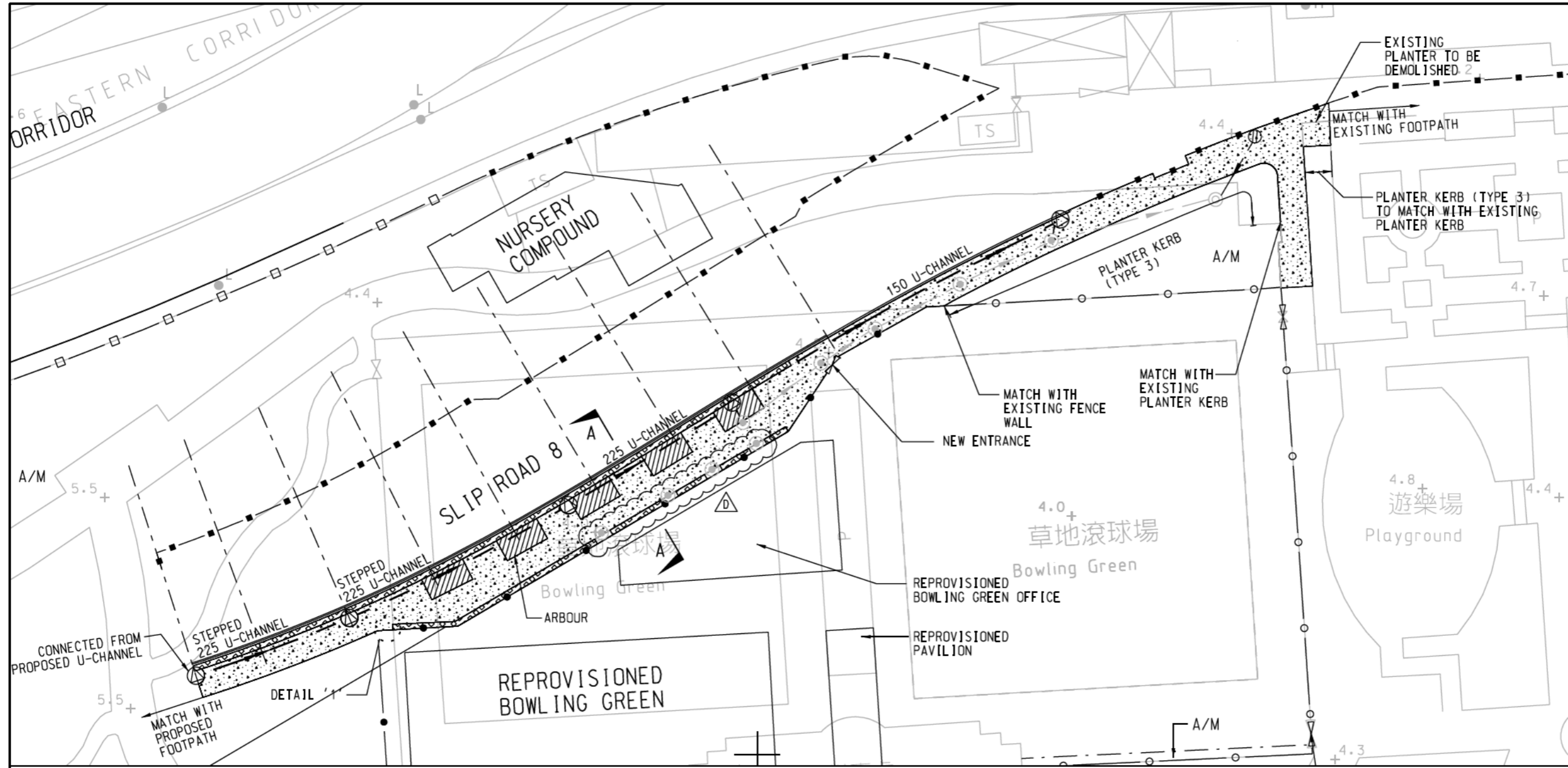
NURSERY COMPOUND

SLIP ROAD 8

PROPOSED WALKWAY

Bowling Green ARBOUR

MATCH WITH PROPOSED FOOTPATH

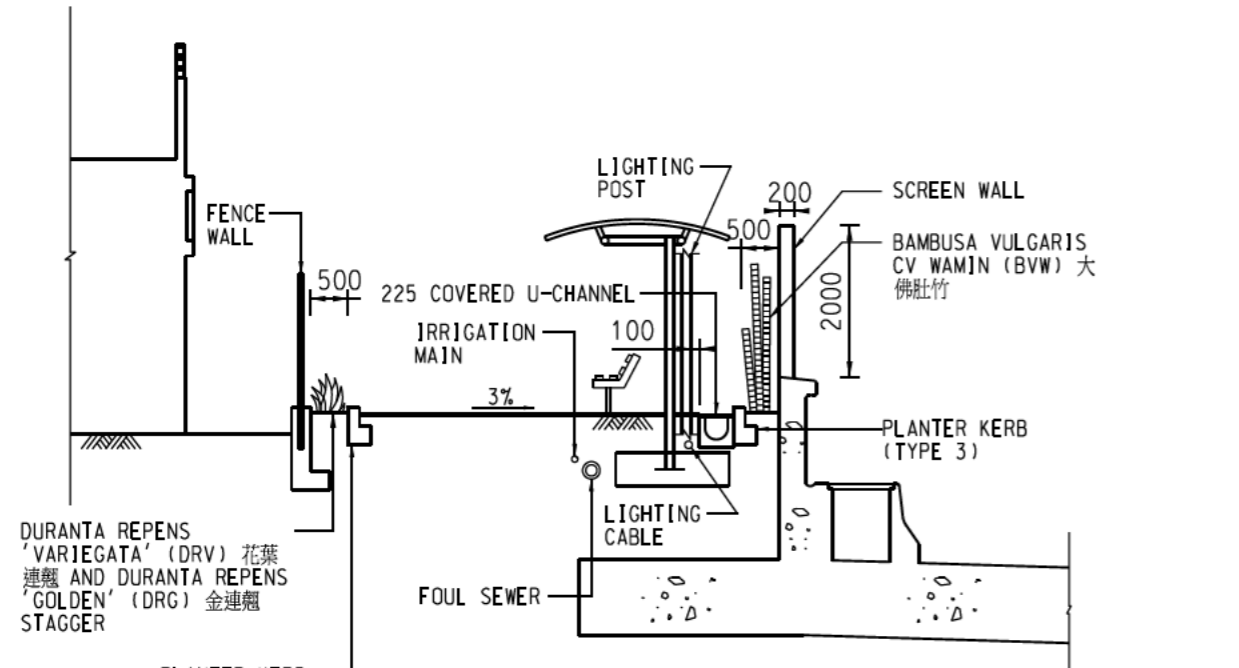


**KEY PLAN**  
SCALE 1:5000

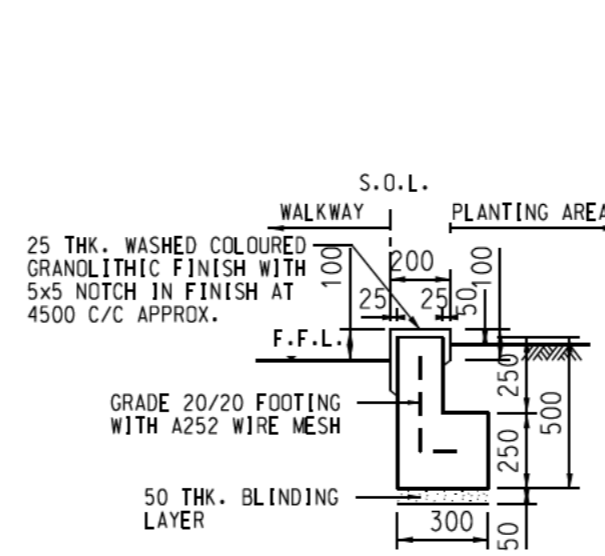
NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.  
2. FOR LIGHTING LAYOUT, REFER TO SKETCH NO. 60095653/T2/SK0762.

- 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)

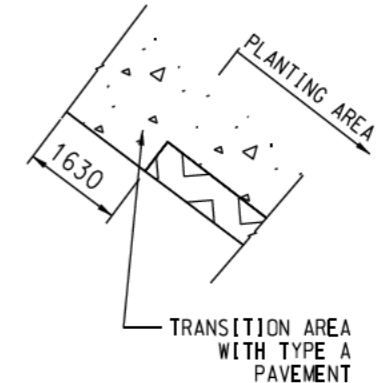
BOWLING GREEN OFFICE 1400 APPROX. | PLANTER 2500 MIN. WALKWAY | 2500 ARBOUR | PLANTER U-SHAPE STRUCTURE



SECTION A-A  
SCALE A3 1:100



PLANTER KERB (TYPE 3)  
SCALE A3 1:25



DETAIL '1'  
SCALE A3 1:25

Rev.	Date	Description	Drawn	Prepared	Checked
D	28-06-18	DIVIDED PLANTER AREA NEXT TO REPROVISIONED BG	KFC	TC	TH
C	07-02-18	NOTE 2 ADDED AND SECTION A-A REVISED	KFC	TC	TH
B	21-11-17	225 U-CHANNEL REVISED AND DETAIL '1' ADDED	CPL	TC	TH
A	13-10-17	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. HY2010/08  
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:**

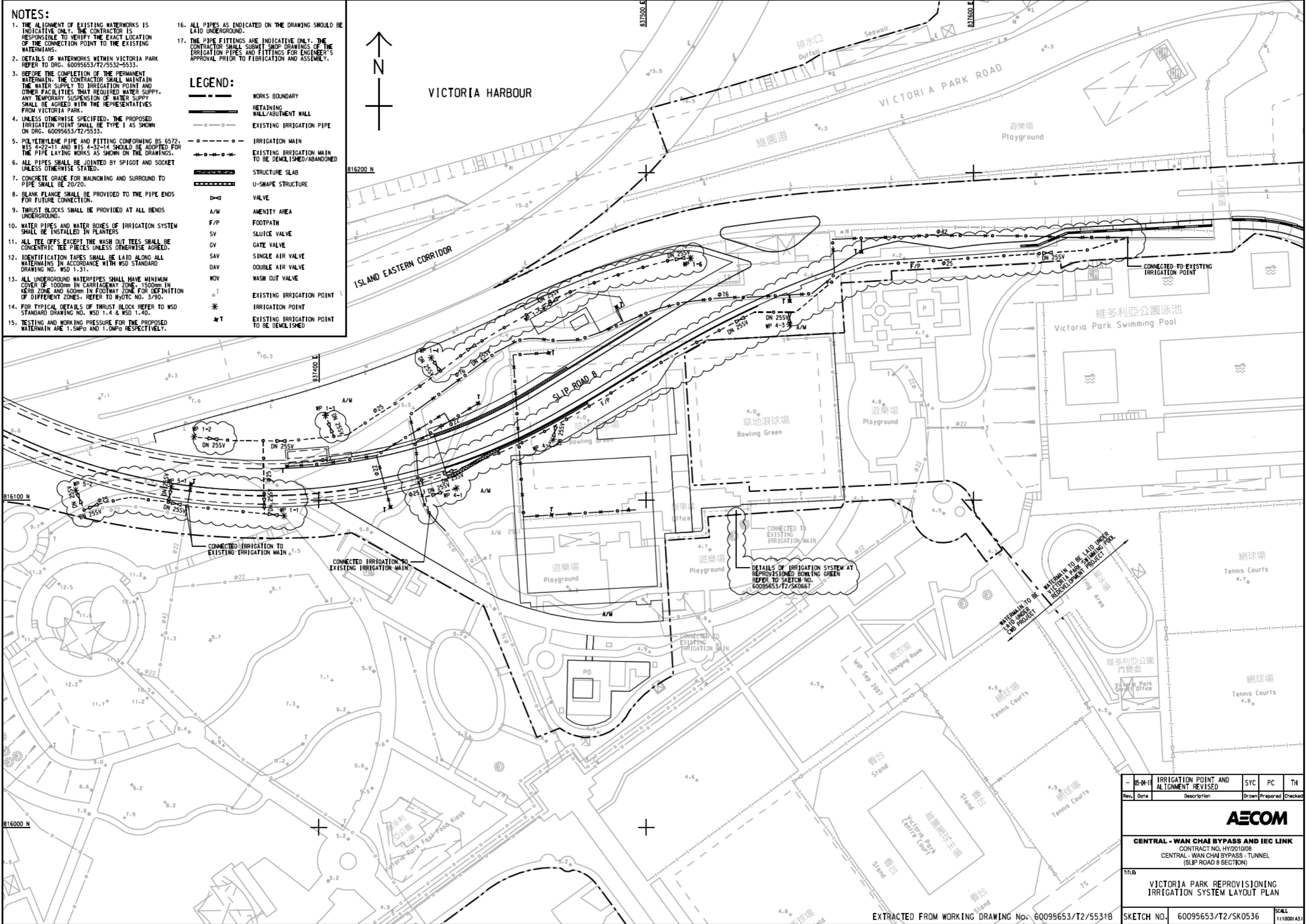
1. THE ALIGNMENT OF EXISTING WATERWORKS IS INDICATIVE ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXACT LOCATION OF THE CONNECTION POINT TO THE EXISTING WATERMANS.
2. DETAILS OF WATERWORKS WITHIN VICTORIA PARK REFER TO DRG. 60095653/T2/5532-5533.
3. BEFORE THE COMPLETION OF THE PERMANENT WATERMAIN, 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 I 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 500mm 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 FABRICATION 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
- \* T EXISTING IRRIGATION POINT TO BE DEMOLISHED



**VICTORIA HARBOUR**



DETAILS OF IRRIGATION SYSTEM AT REPROVISIONED BOWLING GREEN REFER TO SKETCH NO. 60095653/T2/SK0667

WATERMAIN TO BE LAID UNDER LNB PROJECT  
 VICTORIA PARK SWIMMING POOL REDEVELOPMENT PROJECT

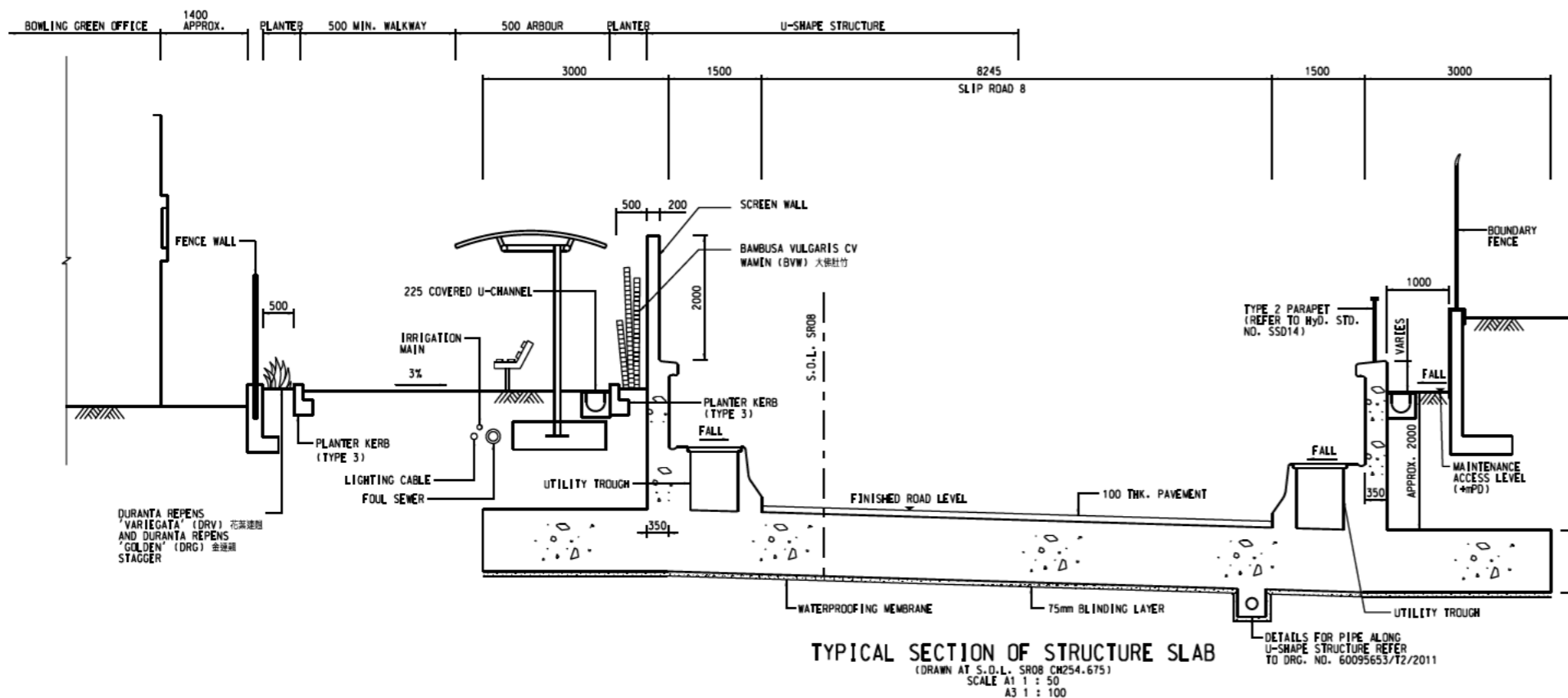
Rev.	Date	Description	SYC	PC	TH
05-01		IRRIGATION POINT AND ALIGNMENT REVISED			

**AECOM**

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

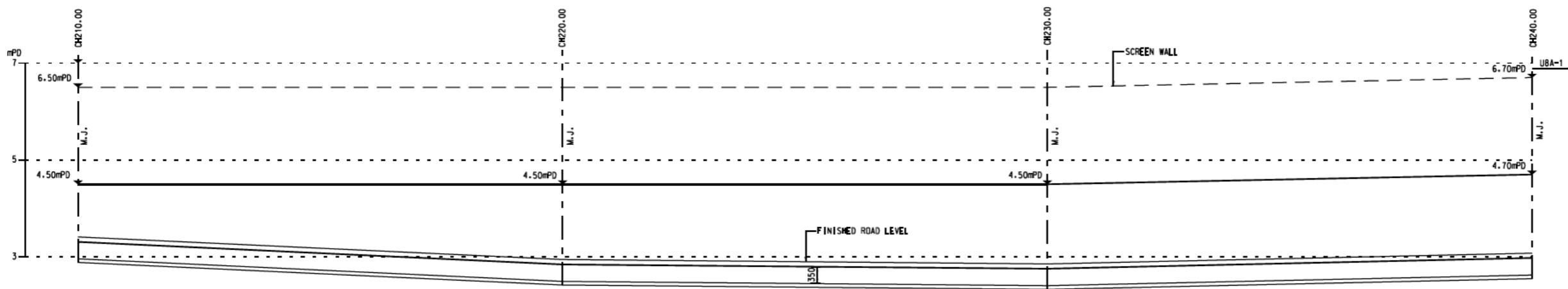
TITLE: **VICTORIA PARK REPROVISIONING IRRIGATION SYSTEM LAYOUT PLAN**

SKETCH NO. 60095653/T2/SK0536 SCALE 1:11000(1:5)

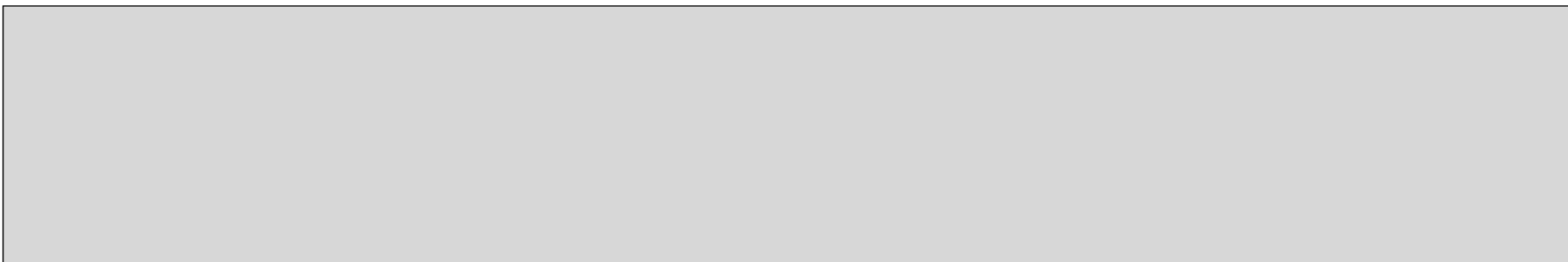


TYPICAL SECTION OF STRUCTURE SLAB  
 (DRAWN AT S.O.L. SROB CN254.675)  
 SCALE A1 1 : 50  
 A3 1 : 100

DETAILS FOR PIPE ALONG U-SHAPE STRUCTURE REFER TO DRG. NO. 60095653/T2/2011



ELEVATION  
 SCALE A1 1 : 50  
 A3 1 : 100

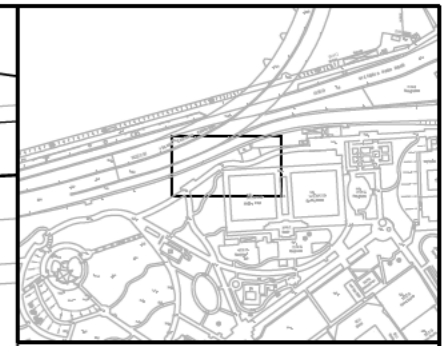
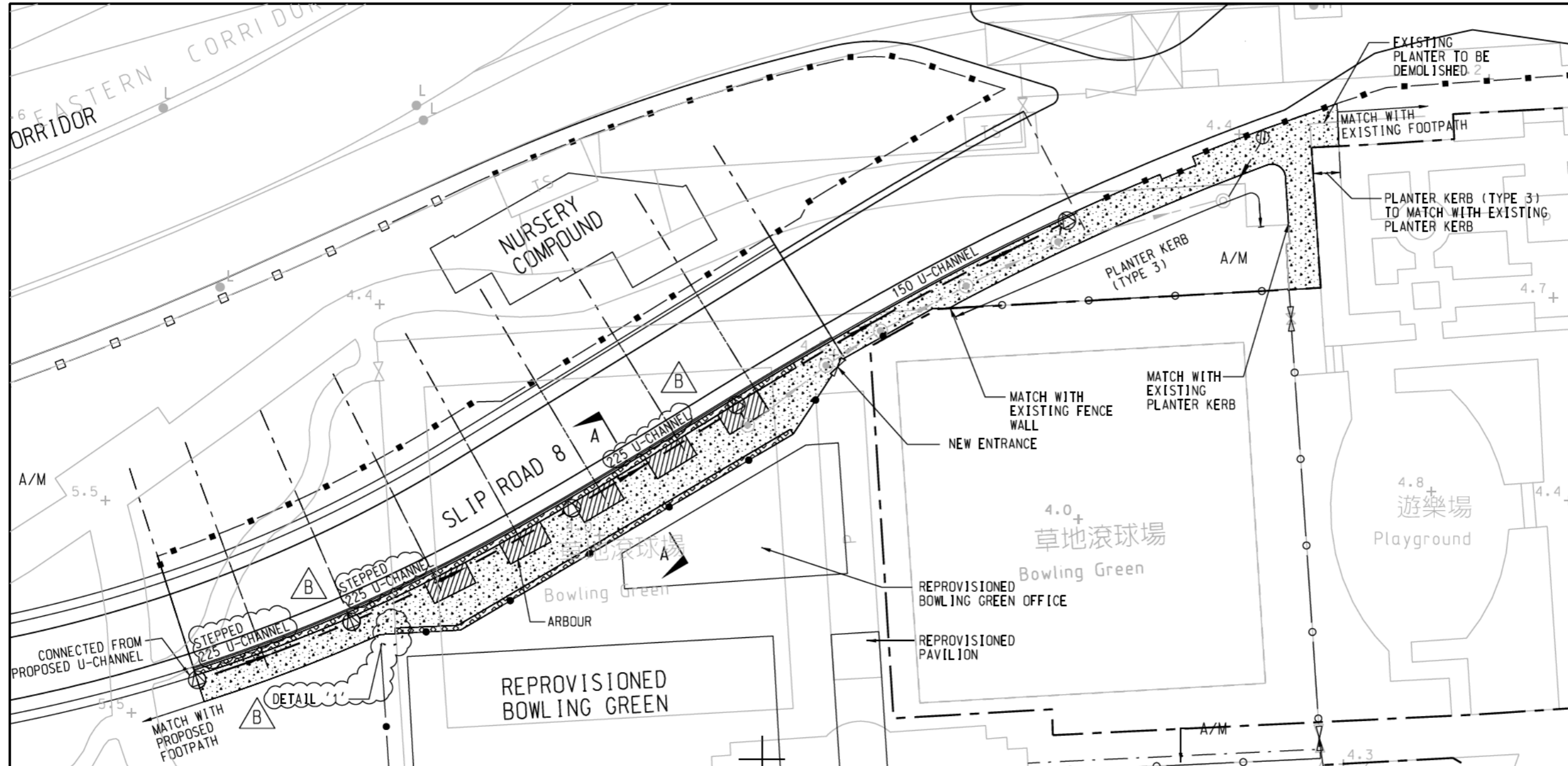


SCREEN WALL WITH PAINT FINISH

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.

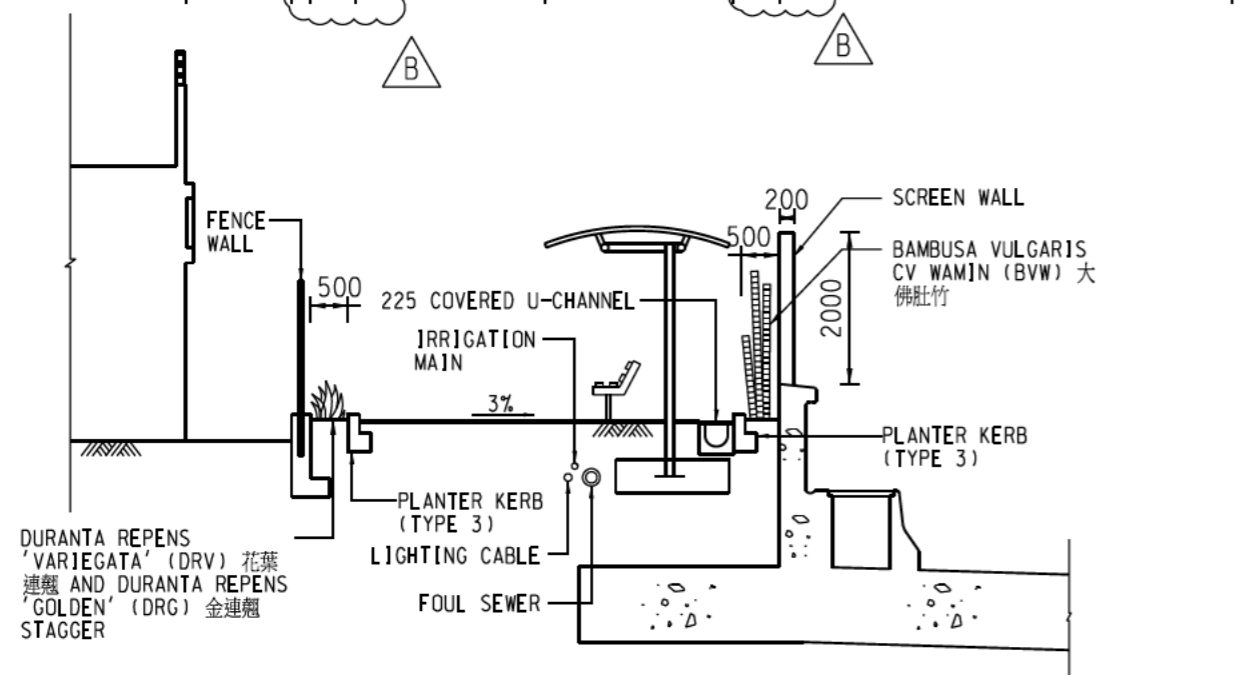
11-01-18	AS BUILT	KFC	TC	TS	
Rev.	Date	Description	Drawn	Prepared	Checked
<b>AECOM</b>					
<b>CENTRAL - WAN CHAI BYPASS AND IEC LINK</b> CONTRACT NO. HY/2010/08 CENTRAL - WAN CHAI BYPASS - TUNNEL (SLIP ROAD 8 SECTION)					
TITLE SCREEN WALL ASBUILT					
SKETCH NO.	60095653/T2/SK0830			SCALE AS SHOWN	



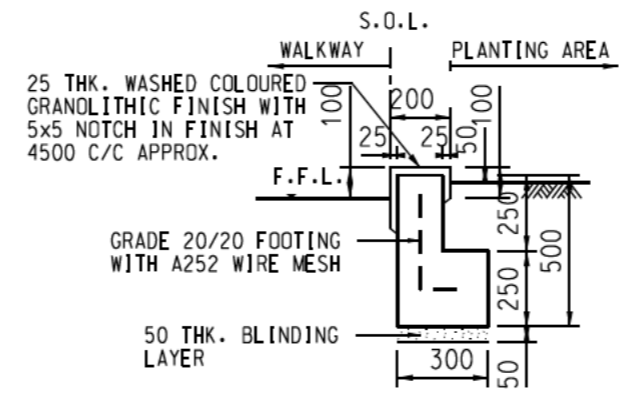
**KEY PLAN**  
SCALE 1:5000

**NOTES:**  
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

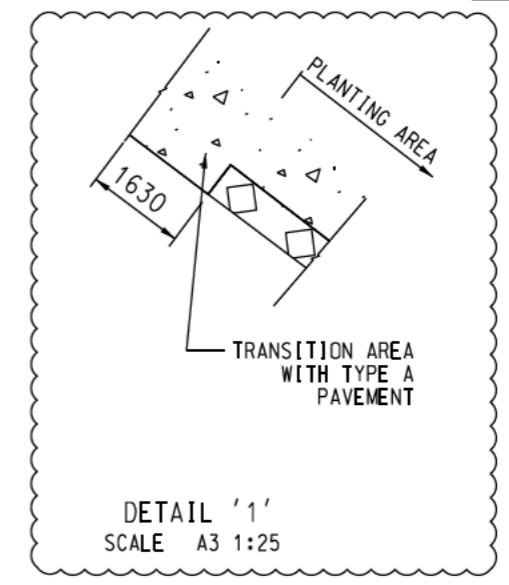
- LEGEND:**
- ■ — ■ — BOUNDARY FENCE (DETAILS REFER TO WORKING DRG. NO. 60095653/T2/5542)
  - □ — □ — EXISTING BOUNDARY FENCE TO BE MAINTAINED
  - · — · — FENCE WALL (DETAILS REFER TO SKETCH NO. 60095653/T2/SK0269)
  - ○ — ○ — EXISTING FENCE WALL TO BE MAINTAINED
  - ▨ ARBOUR
  - ⊗ PLANTING AREA
  - ▨ PROPOSED WALKWAY (TYPE A PAVEMENT, REFER TO SKETCH NO. 60095653/T2/SK0250)
  - ⊕ U-CHANNEL WITH DRAIN PIT (DETAILS REFER TO WORKING DRG. NO. 60095653/T2/5522 AND SKETCH NOS. 60095653/T2/SK0759 AND SK0609)
  - ⊙ EXISTING STORMWATER (REFER TO SKETCH NO. 60095653/T2/SK0496)
  - ⊙ STORMWATER (REFER TO SKETCH NO. 60095653/T2/SK0496)
  - ⊕ PROPOSED GULLY (REFER TO WORKING DRG. NO. 60095653/T2/5522)



SECTION A-A  
SCALE A3 1:100



PLANTER KERB (TYPE 3)  
SCALE A3 1:25



DETAIL '1'  
SCALE A3 1:25

U-CHANNEL WITH DRAIN PIT (DETAILS REFER TO WORKING DRG. NO. 60095653/T2/5522 AND SKETCH NOS. 60095653/T2/SK0759 AND SK0609)

EXISTING STORMWATER (REFER TO SKETCH NO. 60095653/T2/SK0496)

STORMWATER (REFER TO SKETCH NO. 60095653/T2/SK0496)

PROPOSED GULLY (REFER TO WORKING DRG. NO. 60095653/T2/5522)

Rev.	Date	Description	Drawn	Prepared	Checked
B	21-11-17	225 U-CHANNEL, REVISED AND DETAIL '1' ADDED	CPL	TC	TH
A	13-10-17	PLANTER & DRAINAGE DETAILS ADDED	CPL	TC	TH
-	14-06-17	FOR CONSTRUCTION	CPL	FF	TH



**CENTRAL - WAN CHAI BYPASS AND IEC LINK**  
CONTRACT NO. HY2010/08  
CENTRAL - WAN CHAI BYPASS - TUNNEL  
(SLIP ROAD 8 SECTION)

TITLE  
LAYOUT PLAN FOR ADDITIONAL WALKWAY BEHIND REPROVISIONED BGO