

Ref.: AACWBIECEM00\_0\_4729L.13

20 December 2013

Chun Wo – CRGL – MBEC Joint Venture  
Unit 2803-2804  
28/F, Citicorp Centre  
18 Whitefield Road  
North Point, Hong Kong

By Post and Fax (2570 8013)

Attention: Mr. David Lau

Dear Sir,

**Re: FEP-07/364/2009/A**  
**Contract No. HY/2009/19**  
**Central – Wan Chai Bypass – Tunnel (North Point Section) & Island Eastern**  
**Corridor Link**  
**Landscape Plan (Revision 3)**

Reference is made to your submission of the Landscape Plan (Revision 3 dated 17 December 2013) to us through E-mail on 20 December 2013 for our review and comment.

Please be informed that we have no further comments on the captioned submission. We write to verify the captioned submission in accordance with Condition 2.13 of FEP-07/364/2009/A.

Please feel free to contact the undersigned should you have any queries.

Yours sincerely,



David Yeung  
Independent Environmental Checker

c.c.	HyD	Mr. Jones Lai	by fax: 2714 5289
	CEDD	Mr. Robert Tsoi	by fax: 2577 5040
	AECOM (CWB)	Mr. Peter Poon	by fax: 3912 3010
	AECOM	Mr. Conrad Ng	by fax: 2691 2649
	LAM	Mr. Raymond Dai (ETL)	by fax: 2882 3331

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# Lam Geotechnics Limited

Ground Investigation & Instrumentation Professionals

華益土力有限公司

Ref : G1120/CS/L613/FEP-07/364/2009/A  
Date : 20 December 2013

**Chun Wo - CRGL - MBEC Joint Venture**

**By Post and Fax (2570 8013)**

Unit 2803-2804,  
28/F, Citicorp Centre,  
18 Whitfield Road,  
North Point, Hong Kong

**Attn: Mr. David Lau, Project Manager**

Dear Sir,

**Contract No. HY/2009/19**

**Central – WanChai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link**

**Landscape Plan (Rev. 3)**

Referring to the captioned submission dated 17 December 2013 received through email on 20 December 2013, we have reviewed your submitted details and hereby certified this submission in accordance with Condition 2.13 of FEP-07/364/2009/A.

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

Yours faithfully,

Raymond Dai  
Environmental Team Leader

C.C.

HyD	- Mr. Jones Lai	(By Fax: 2714 5289)
CEDD	- Mr. Robert Tsoi	(By Fax: 2577 5040)
AECOM	- Mr. Frankie Fan	(By Fax: 2587 1877)
ENVIRON	- Mr. David Yeung	(By Fax: 3548 6988)



## Responses to Comments from Planning Department

Comments received:		Responses:
(1)	Progress photos would be forwarded to PlanD on bi-monthly basis by the contractor via regular submission for the tree reports.	Amended in section 5.3 last para. on p.5 .



俊和-中國中鐵-中鐵大橋局聯營  
CHUN WO - CRGL - MBEC JOINT VENTURE



## LANDSCAPE PLAN

For

Contract No.: HY/2009/19

Central – Wan Chai Bypass  
Tunnel (North Point Section)  
and  
Island Eastern Corridor Link

(Pursuant to the Further Environmental Permit - No. FEP-07/364/2009/A)

Issue No.:	0	Prepared by:	Approved by:
Revision:	3		
Date:	17/12/13	M.H. Isa Environmental Officer	Paul Yu Site Agent

C2, 5/F., Hong Kong Spinners Industrial Building, 601-603 Tai Nan West Street,  
Cheung Sha Wan, Kowloon, Hong Kong.

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## 1.0 Introduction

The purpose of this plan is to demonstrate design details, locations, implementation programme, maintenance and management schedules in accordance with the Condition 2.13 of the Further Environmental Permit No. FEP-07/364/2009/A

### 1.1 Project Description

This designated Project (HY/2009/19) is a part of the CWB project, which shall provide relief to the existing congestion along the East-West corridor and cater for the anticipate growth of traffic on Hong Kong Island.

### 1.2 Scope of Work

The scope of the Project mainly includes:

- Construction of a 300-metre-long tunnel at North Point;
- Construction of an approach road to the tunnel;
- Modification of the section of Island Eastern Corridor between Hing Fat Street and Po Leung Kuk Yu Lee Mo Fan Memorial School;
- Modification of the junction of Victoria Park Road and Hing Fat Street;
- Demolition of Rumsey Street Flyover eastbound in Central;
- Sub-structure works of the East Ventilation Building and the foundation works of the Administration Building; and
- Associated works including landscaped deck, noise barriers, noise semi-enclosures, road drainage and landscaping works.
- The Preservation and Protection of Existing Trees

Master Greening Plan will not form part of the scope of this project. Top Landscape at Landscape Deck and Green Roof is expected to commence tentatively on 31/07/2017.

## 2.0 Landscape Mitigation Measures

The proposed landscape mitigation measures during construction phase include but are not limited to the list below:

- Erection of decorative screen hoarding
- Control of night-time lighting
- Tree Transplant, compensatory tree planting for trees felled and to protect existing trees to be retained during construction (**Refer Appendix E**)

### 3.0 Visual Sensitive Receivers

The following visual sensitive receivers (VSRs) are likely to be affected during the construction phase of the project:

- C36 (Citigroup Centre);
- C37 (Victoria Centre);
- C52 (AIA Tower);
- C53 (Newton Hotel);
- C54 (Electric Centre);
- C54A (Sea View Estate);
- C/R14 (Viking Garden);
- C/R15 (50-52 Hing Fat Street);
- C/R16 (Mayson Garden Building);
- C/R17 (Gordon House);
- C/R18 (Belle House);
- GIC12 (Electric Road);
- R4 (Harbour Heights);
- R5 (Residential Properties fronting King Wah Road);
- R6 (City Garden);
- R7 (Provident Centre).

The above VSRs are mapped in **Appendix B**.

### 4.0 Source of Landscape / Visual Impacts

Sources of night-time lighting impact during construction phase would include:

- Site Investigations;
- Removal of existing dolphins;
- Installation of temporary piles and marine piling;
- Construction of box culvert at Watson Road;
- Surcharge activity at Portion V;
- Bored pile construction on land;

- 
- Open-cut construction of tunnel;
  - Substructure works for East Ventilation Building and foundation work to Administration Building;
  - Construction of Diaphragm Wall;
  - Concreting activities;
  - Construction site traffic;
  - Solar powered lighting including other lighting at site office; and
  - <sup>1</sup>Signal sensor light on yellow marker buoys which are laid to mark the position of the anchors extending from the working vessels.

(1= Referring to Marine Department Notice No. 154 & 192 of 2010 and 23 of 2011 .)

## 5.0 Implementation Programme

### 5.1 Decorative Screen Hoarding:

- Decorative screen hoarding will be erected between Watson Road and Oil Street (below the elevated road) and extending beyond Oil Street towards City Garden while typical hoarding of 2.4m high will also be erected at the above mentioned location but on backfilled areas near the sea. The tentative programme will be from 04 Aug 2011 to 28 Apr 2017. The location of the hoarding is shown in **Appendix C**.
- Any existing decorative screen hoarding handed over after site possession will be maintained.

### 5.2 Night-time Lighting:

- Night-time lighting control tentatively scheduled from 28 Apr 2011 till 28 Apr 2017.

### 5.3 Tree Preservation, Protection and Transplanting:

- Tree Transplanting tentatively scheduled from 10 Nov 2011 till 28 Apr 2017 in accordance with the Concept Plan, Recommended Outline Development Plan (RODP) and Master Landscape Plan for greening the locality at the operation stage.
- Tree Transplant, compensatory tree planting for trees felled and to protect existing trees to be retained during construction

Summary table for “Construction Phase Landscape and Visual Mitigation Measures” is attached after section 9.0



A tree monitoring report is submitted regularly for the trees transplanted and is a separate submission. Appendix E refers to the trees to be retained. For any tree fell or any compensating tree planting in the future. This will be included / updated in the Plan.

Tree preservation schedule and summary of protection method/measures is described in section 7.3

As the approved EIA has not identified any trees for this contract therefore trees felling, retained, etc. follows contracts requirement as shown in Appendix E.

As per comments from Planning Department (PlanD), progress photos would be forwarded to PlanD on bi-monthly basis by the contractor via regular submission for the tree reports.

## **6.0 Design and Fixing Details of Hoarding**

The layout, alignment and design details of decorative screen hoarding are shown in **Appendix D**. The alignment or the installation of decorative hoarding at a number of locations could not be carried out because the alignment stated in the EP either interfered in the piling works or the portion of land has not been possessed yet. This has been discussed in details in a separate document – The Noise Management Plan. However, the hoardings are expected to be installed in stages tentatively from End April 2013. The Landscape Plan will be amended accordingly from time to time to reflect the graphical design of the decorating screed hoardings in the future.

## **7.0 Maintenance and Management Schedule**

### **7.1 Decorative Screen Hoarding:**

Daily cleaning and weekly inspection will be carried out to prevent accumulation of debris and to maintain the apparent quality of the hoarding. Any damage found will be made good.

### **7.2 Night-time Lighting:**

Floodlights will be checked every night to ensure that they are diverted away from sensitive receivers where practical.

Lighting installed for safety and security reasons will not cause disturbance to the public. Lighting, if needed, will be directed towards the work areas and away from the sensitive receivers where practical.

### 7.3 Tree Preservation, Protection and Transplanting:

The service of a specialist contractor “Pegasus Greenland Ltd.” has been employed for tree transplanting to the designated nursery approved by the Engineer.

The specialist contractor employed will prepare and submit a Tree Survey Report for approval by the Engineer for subsequent submission to Planning Department which will include the survey schedules, location plans for the trees and their receptor sites, methodology of transplanting, photos showing trees to be transplanted and the like. Details shall be referred in separate submission.

The Landscape Plan will be amended in future according to the final master landscape design at least 1 month prior to the relevant work commencement.

Tree Transplant, compensatory tree planting for trees felled and to protect existing trees to be retained during construction.

## 8.0 Control of Impact

The following measures will be implemented where practicable to minimise impact:

- (i) Control of night-time lighting – Carefully planning of any night-time work will be adopted to minimize the use of unnatural lighting;
- (ii) The need of using equipment headlights / lightings will be assessed for optimum usage and to minimize the number of unnatural lighting;
- (iii) Where lightings are needed, these will be aimed away from the visual sensitive receivers where necessary;
- (iv) For floodlights mounted on the barges, the direction of light will be oriented to open sea where possible;
- (v) Signal sensor light would be attached on buoys for ensuring safe navigation;
- (vi) Solar powered lighting including other lighting at the site office will be oriented away from VSRs.
- (vii) Erection of decorative screen hoarding comparable with the surrounding setting.
- (viii) Tree Transplant, compensatory tree planting for trees felled and to protect existing trees to be retained during construction.

The construction phase mitigation measures are in compliance with relevant requirements in EIA Reports. The alignment or the installation of decorative hoarding at a number of locations could not be carried out because the alignment stated in the EP either interfered in the piling works or the portion of land has not been possessed yet. However, in general the hoardings are expected to be installed in stages after the area is occupied in April 2013 tentatively except for the area near the Electric Centre as the hoardings needed to erect is on the box culvert under construction and hoardings can be erected in Early 2014 (tentatively).

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The Landscape Plan will be amended accordingly from time to time to reflect the graphical design of the decorating screed hoardings in the future.

Permanent landscape work is expected to commence tentatively on 31/07/2017. The landscape Plan will be amended within 1 month after the design of the permanent landscape features for construction become available.

However, the operation phase mitigation measures as mentioned in EIA reports will be carried out by other contractor(s) under separate contract(s).

## **9.0 On Site Supervision**

The lighting impact will be monitored and assessed by designated person during night-time construction work. Upon any public concerns or complaints, lights will be repositioned, redirected or shielded where necessary.

Please refer to the Implementation Schedule attached below.

### Implementation Schedule for Landscape and Visual

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages				Relevant Legislation and Guidelines	Implementation status	Cross-Reference to Landscape Plan
				Des	C	O	Dec			
Construction Phase										
For the Whole Project										
Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM	Will be implemented if identified	--
Table 10.5	CM2 Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	√	√			EIAO TM	Implemented	Section 2.0, 5.3, 7.3 & 8.0(viii)
Table 10.5	CM3 Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM	In progress	Section 2.0, 5.3, 7.3 & 8.0(viii)
Table 10.5	CM4 Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	√	√			EIAO TM	Will be implemented if tree felling is needed	Section 2.0, 5.3, 7.3 & 8.0(viii)
Table 10.5	CM5 Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM	Implemented	Section 2.0, 5.2, 7.2 & 8.0(i)(ii)(iii)(iv)(v)(vi)
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM	In progress	Section 2.0, 5.1, 7.1 & 8.0(vii)

<b>For DPI – CWB (Within the Project Boundary)</b>										
Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor		√			EIAO TM	Will be implemented if identified	--
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Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM	In progress	Section 2.0, 5.1, 7.1 &8.0(vii)



## **LANDSCAPE PLAN**

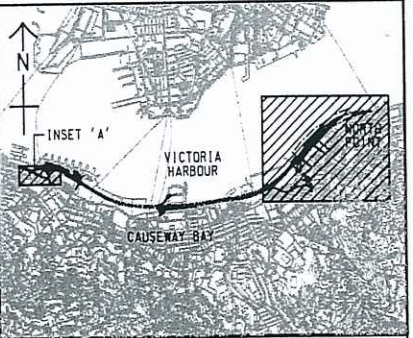
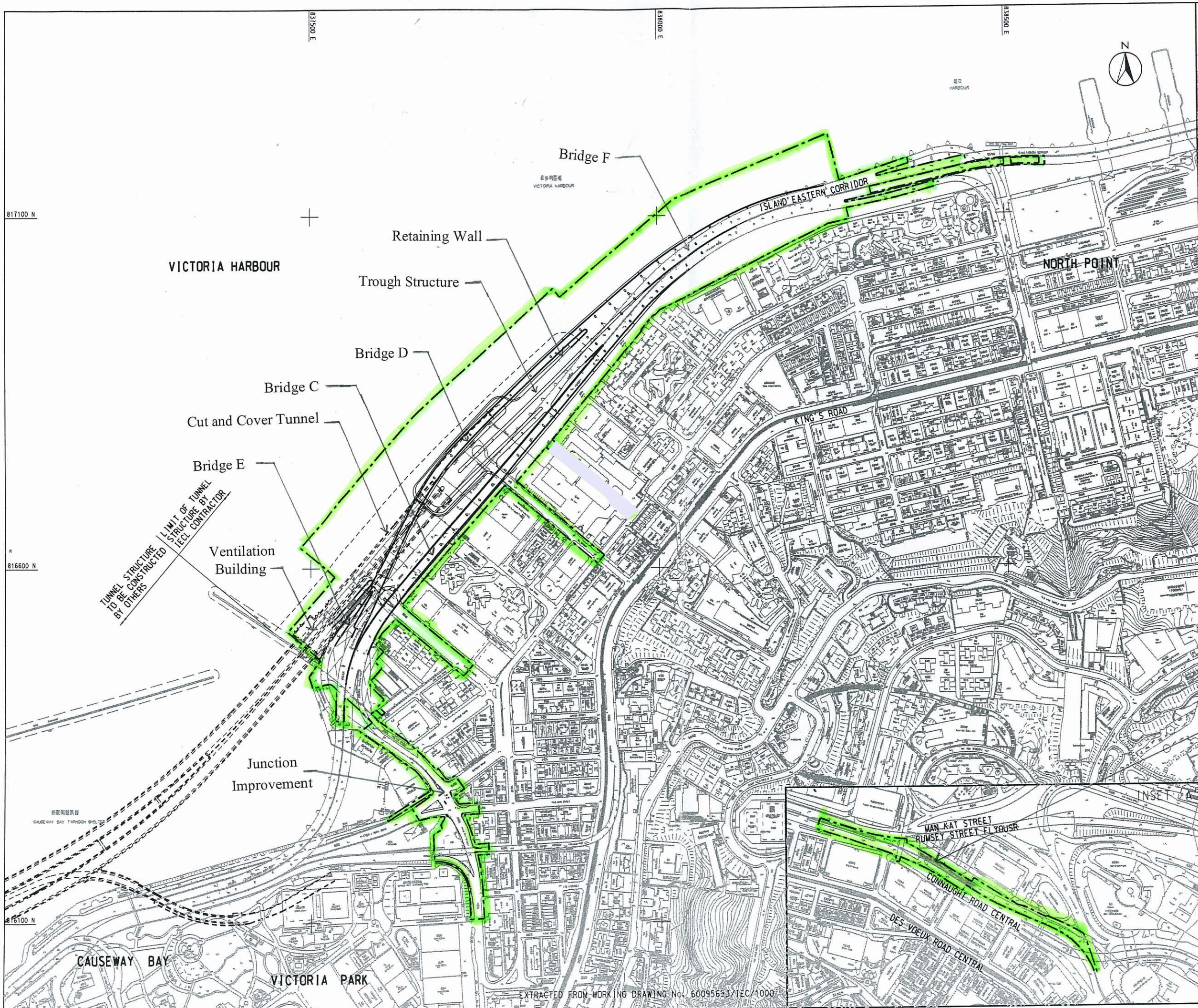
**FOR**

**Contract No.: HY/2009/19**

**Central – Wan Chai Bypass  
Tunnel (North Point Section)  
and  
Island Eastern Corridor Link**

**Appendix A**

**Project Site Boundary**



**LOCATION PLAN**  
SCALE A1 1 : 50000  
A3 1 : 100000

**LEGEND:**  
--- WORKS SITE BOUNDARY

Bridge Demolition

Rev.	Date	Description	Drawn	Prepared	Checked
-	28/01/11	FOR INFORMATION	SY	-	-

**Chun Wo - CRGL-MBEC JV**

**CENTRAL - WAN CHAI BYPASS AND IEC LINK**  
CENTRAL - WAN CHAI BYPASS - TUNNEL  
(NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK

TITLE: GENERAL LAYOUT PLAN

SKETCH NO. 6009563/IEC/DF0006 SCALE 1:5000(A3)



## **LANDSCAPE PLAN**

**FOR**

**Contract No.: HY/2009/19**

**Central – Wan Chai Bypass  
Tunnel (North Point Section)  
and  
Island Eastern Corridor Link**

### **Appendix B**

### **Location Plan of Visual Sensitive Receivers**

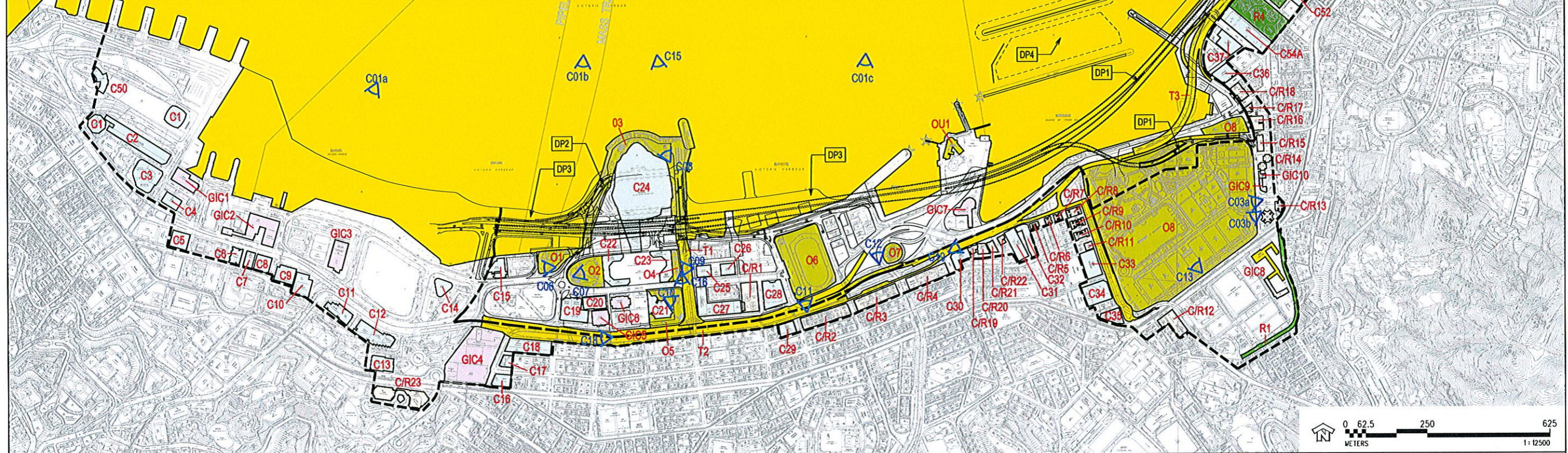


**KEY FOR VISUAL SENSITIVE RECEIVERS**

- |  |   |   |  |
|--|---|---|--|
| C1 International Finance Centre  | C/R1 Causeway Centre                    | GIC1 General Post Office                            | R1 Residential Properties fronting Tung Lo Wan Road    |
| C2 Hong Kong Station Development Phase 2                                   | C/R2 160-169 Gloucester Road            | GIC2 City Hall                                      | R4 Harbour Heights                                     |
| C3 Exchange Square   | C/R3 210-226 Gloucester Road            | GIC3 PLA Headquarters at Tamar                      | R5 Residential Properties fronting King Wah Road       |
| C4 Jardine House   | C/R4 Elizabeth House                    | GIC4 Hong Kong Police Force Headquarters, May House | R6 City Garden   |
| C5 Mandarin Hotel  | C/R5 Riviera Mansion                    | GIC5 Revenue Tower                                  | R7 Provident Centre                                    |
| C6 Hong Kong Club  | C/R6 Prospect Mansion                   | GIC6 Wan Chai Tower                                 | S1 Harbour Traffic                                     |
| C7 Ritz Carlton Hotel  | C/R7 Miami Mansion                      | GIC7 Police Officers' Club                          | T1 Wanchai North Road Network - vehicular - pedestrian |
| C8 AIA Tower   | C/R8 Marco Polo Mansion                 | GIC8 Queen's College                                | T2 Gloucester Road Corridor - vehicular - pedestrian   |
| C9 Hutchison House   | C/R9 Victoria Park Mansion              | GIC9 Hing Fat Street Post Office                    | T3 Island Eastern Corridor                             |
| C10 Bank of America Tower  | C/R10 Chestorfield Mansion              | GIC10 Victoria Park School for the Deaf             |  |
| C11 Far East Financial Centre  | C/R11 Greenfield Mansion                | GIC11 YMCA  |  |
| C12 Admiralty Centre   | C/R12 Properties fronting Causeway Road | GIC12 Electric Road Municipal Services Building     |  |
| C13 United Centre  | C/R13 Park Towers                       | O1 Fenwick Pier Street Public Open Space            |  |
| C14 CITIC Tower  | C/R14 Viking Garden                     | O2 HKCEC Open Space                                 |  |
| C15 Fleet Arcade   | C/R15 50-52 Hing Fat Street             | O3 HKCEC Extension Open Space and Promenade         |  |
| C16 Asian House  | C/R16 Mayson Garden Building            | O4 Renaissance Harbour View Plaza                   |  |
| C17 Chung Nam Building   | C/R17 Garden House                      | O5 Central Plaza Open Space                         |  |
| C18 Fleet House, Harcourt House  | C/R18 Belle House                       | O6 Wanchai Sports Ground                            |  |
| C19 Telecom House, Hong Kong Arts Centre, Harbour View International House | C/R19 Top Glory Tower                   | O7 Tunnel Approach Rest Garden                      |  |
| C20 Shui On Centre   | C/R20 Hoi Kung Court                    | O8 Victoria Park                                    |  |
| C21 Central Plaza  | C/R21 Hoi To Court                      | O9 Tsim Sha Tsui Waterfront Promenade               |  |
| C22 Grand Hyatt Hotel  | C/R22 Hoi Daen Court                    | OU1 Royal Hong Kong Yacht Club                      |  |
| C23 Renaissance Harbour View Hotel   | C/R23 Pacific Place Complex             |   |  |
| C24 Hong Kong Convention and Exhibition Centre                             |   |   |  |
| C25 Great Eagle Centre   |   |   |  |
| C26 Harbour Centre   |   |   |  |
| C27 China Resources Building   |   |   |  |
| C28 Sun Hung Kai Centre  |   |   |  |
| C29 AXA Centre   |   |   |  |
| C30 Sino Plaza   |   |   |  |
| C31 World Trade Centre   |   |   |  |
| C32 Excelsior Hotel  |   |   |  |
| C33 The Park Lane Hotel  |   |   |  |
| C34 Windsor House  |   |   |  |
| C35 19-31 Yee Wo Street  |   |   |  |
| C36 Citicorp Centre  |   |   |  |
| C37 Victoria Centre  |   |   |  |
| C38 Ocean Terminal   |   |   |  |
| C39 Star House   |   |   |  |
| C40 Peninsula Hotel  |   |   |  |
| C41 Sheraton Hotel   |   |   |  |
| C42 InterContinental Hotel   |   |   |  |
| C43 New World Centre and Hotel   |   |   |  |
| C44 Wing On Plaza  |   |   |  |
| C45 Shangri-La Hotel   |   |   |  |
| C46 Tsim Sha Tsui Centre   |   |   |  |
| C47 Empire Centre  |   |   |  |
| C48 Grand Stanford Harbour View Hotel                                      |   |   |  |
| C49 Nikko Hotel  |   |   |  |
| C50 Four Season Hotel  |   |   |  |
| C51 Harbour Plaza Metropolis   |   |   |  |
| C52 AIA Tower  |   |   |  |
| C53 Newton Hotel   |   |   |  |
| C54 Electric Centre  |   |   |  |
| C54A Sea View Estate   |   |   |  |

**LEGEND**

- PLANNING AND ENGINEERING REVIEW
- STUDY AREA BOUNDARY
- LIMIT OF PRIMARY ZONE OF VISUAL INFLUENCE
- C1 BOUNDARY OF KEY VSRs
- C01 PHOTO TAKING POINT WITH PHOTO NO.
- COMMERCIAL
- COMMERCIAL / RESIDENTIAL
- RESIDENTIAL
- RECREATIONAL
- GOVERNMENT / INSTITUTION / COMMUNITY
- TRANSPORT
- DP1 CENTRAL-WANCHAI BYPASS (CWB) INCLUDING ITS ROAD TUNNEL AND SLIP ROADS
- DP2 ROAD P2 AND OTHER ROADS WHICH ARE CLASSIFIED AS PRIMARY/DISTRICT DISTRIBUTOR ROADS
- DP3 RECLAMATION WORKS INCLUDING ASSOCIATED DREDGING WORKS
- DP4 TEMPORARY TYPHOON SHELTER



WAN CHAI DEVELOPMENT PHASE II - PLANNING AND ENGINEERING REVIEW

KEY VSRs AND PRIMARY ZONE OF VISUAL INFLUENCE DURING CONSTRUCTION

FIGURE 10.4



## **LANDSCAPE PLAN**

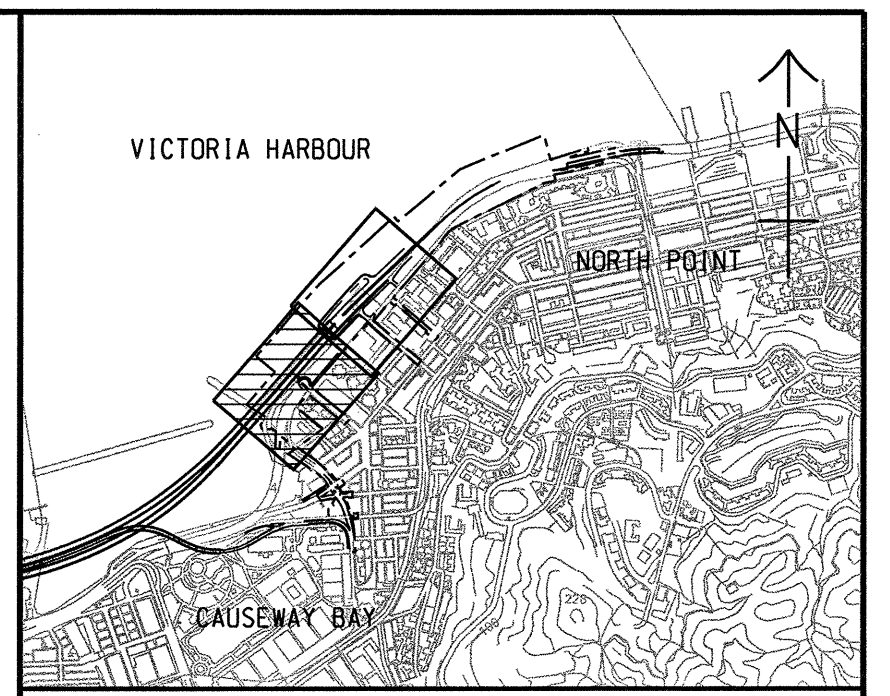
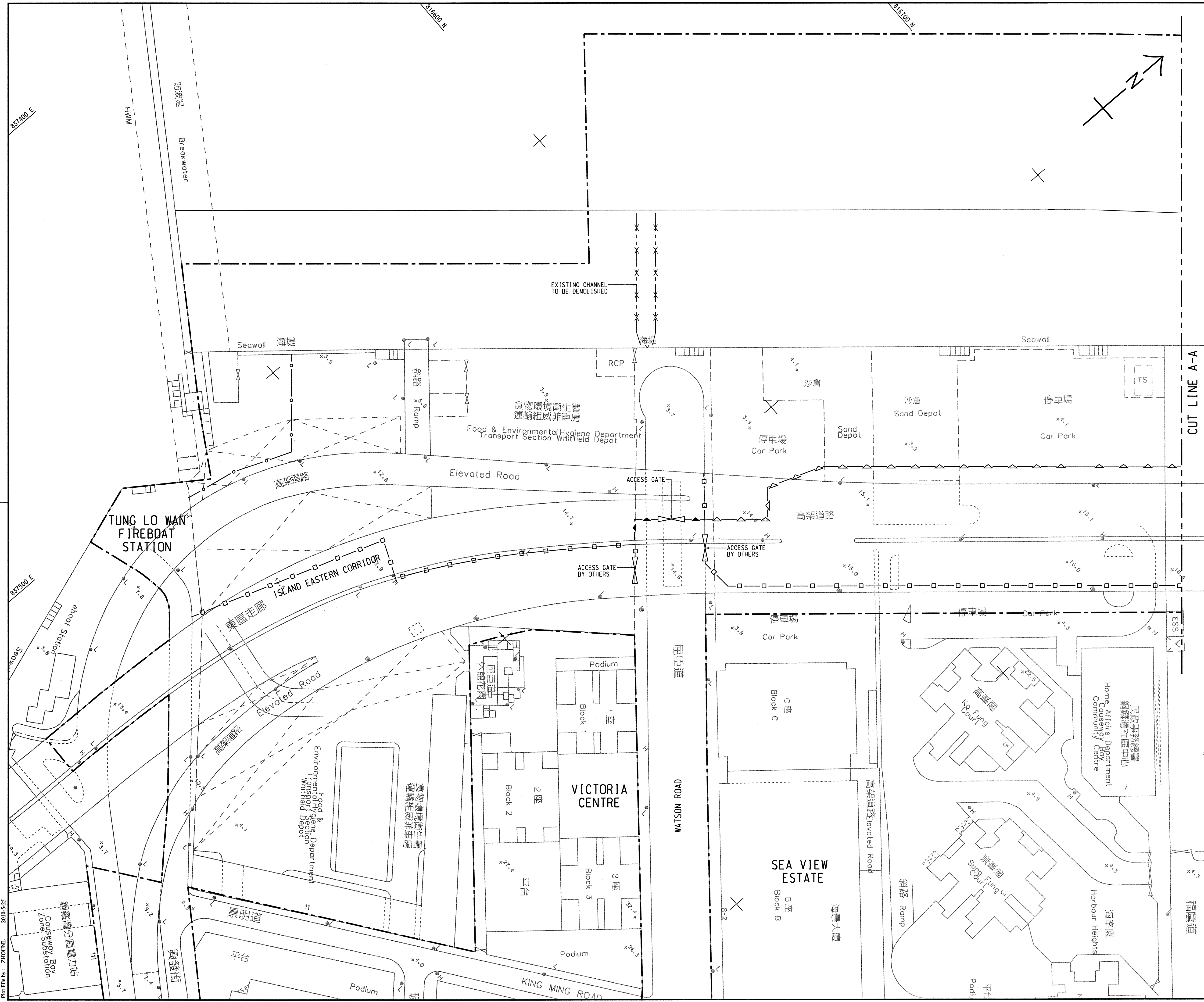
**FOR**

**Contract No.: HY/2009/19**

**Central – Wan Chai Bypass  
Tunnel (North Point Section)  
and  
Island Eastern Corridor Link**

### **Appendix C**

#### **Location Plan of Decorative Screen Hoarding**



**KEY PLAN**  
SCALE A1 1 : 20000  
A3 1 : 40000

- NOTES:**
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWINGS NOS. 60095653/IEC/1302 AND 1311 TO 1314.
  2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
  3. EXACT LOCATION AND EXTENT OF HOARDING SHALL BE CONFIRMED WITH THE ENGINEER.
  4. THE EXACT LOCATION AND DIMENSIONS OF ENTRANCE GATE SHALL BE CONFIRMED WITH THE ENGINEER.
  5. PRIOR TO POSSESSION OF PORTION II AS SPECIFIED IN DRAWING NO. 60095653/IEC/1055, OIL STREET SHALL REMAIN OPEN TO PUBLIC AND THE CONTRACTOR SHALL NOT ERECT ANY HOARDING OR GATE ON THE CARRIAGEWAY OF OIL STREET.
  6. THE CONTRACTOR SHALL ALLOW AND MAINTAIN ACCESS OF HARBOUR GRAND HONG KONG INTO PORTION IX AS SPECIFIED IN DRAWING NO. 60095653/IEC/1055 THROUGHOUT THE ENTIRE COURSE OF CONSTRUCTION.
  7. THE CONTRACTOR SHALL UPKEEP AND MAINTAIN ALL EXISTING HOARDINGS, UPON AGREEMENT OF THE ENGINEER. THE CONTRACTOR COULD REVISE, REALIGN OR REMOVE THE HOARDINGS SET UP BY OTHERS PROVIDED THAT THE CONDITIONS OF ENVIRONMENTAL PERMIT ARE COMPLIED.
  8. ALL HOARDINGS SHALL BE REMOVED BY THE CONTRACTOR UPON COMPLETION OF THE WORKS AND IN COMPLIANCE WITH THE CONDITIONS OF ENVIRONMENTAL PERMIT EP - 364/2009 ENCLOSED IN PS APPENDIX 25.5.
  9. SPECIAL HOARDING WITH HEIGHT UP TO THE SOFFIT OF THE BRIDGE DECK AREA SHALL BE INSTALLED DURING THE DEMOLITION AND CONSTRUCTION OF ADJACENT TUNNEL APPROACH RAMP STRUCTURE. THE CONTRACTOR SHALL TAKE INTO ACCOUNT OF THE SPECIAL HOARDING CONSTRUCTION IN PREPARATION OF THE CONSTRUCTION PROGRAMME.

- LEGEND:**
- SITE BOUNDARY
  - ==== ROAD TUNNEL (WITH EMERGENCY PEDESTRIAN WALKWAY)
  - F/P FOOTPATH
  - A/M AMENITY AREA
  - HOARDINGS (DETAILS REFER TO HYD STANDARD DRG. NO. H6110 AND H6111)
  - SPECIAL HOARDINGS (DETAILS REFER TO DRG. NO. 60095653/IEC/1311-1314)
  - TYPICAL HOARDINGS ERECTED BY OTHERS
  - SPECIAL HOARDINGS ERECTED BY OTHERS
  - ACCESS GATE (DETAILS REFER TO CEDD STANDARD DWG. C1007)
  - AESTHETIC PANEL ERECTED BY OTHERS

A	WORKING DRAWING	ALCF	BCC	DEC 10
-	TENDER DRAWING	ALCF	BCC	MAY 10

**Highways Department 路政署**  
**Major Works Project Management Office**

**CENTRAL - WAN CHAI BYPASS AND IEC LINK**

**PWP ITEM NO. 579 TH**  
工務計劃項目編號

CENTRAL - WAN CHAI BYPASS - TUNNEL (NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK

**HOARDING LAYOUT PLAN**  
SHEET 1 OF 2



DRG. NO. 60095653/IEC/1301A  
圖紙編號

DESIGNED BY ALCF	CONTRACT NO. HY/2009/19	P. DIR. APPROVED CW
DRAWN BY LHC	STATUS WORKING DRAWING	

SCALE A1 1 : 500  
A3 1 : 1000  
DIMENSIONS ARE IN METRES  
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## **LANDSCAPE PLAN**

**FOR**

**Contract No.: HY/2009/19**

**Central – Wan Chai Bypass  
Tunnel (North Point Section)  
and  
Island Eastern Corridor Link**

### **Appendix D**

### **Design Details of Decorative Screen Hoarding**

**GENERAL:**

- 1.1 THIS DRAWING IS TO BE READ IN CONJUNCTIONS WITH THE CONTRACT SPECIFICATION AND PARTICULAR REQUIREMENTS AS SHOWN ON INDIVIDUAL DRAWINGS.
- 1.2 UNLESS OTHERWISE SPECIFIED, THESE GENERAL NOTES ARE APPLICABLE TO SPECIAL SITE HOARDING ONLY.
- 1.3 ALL REFERENCES OF STANDARD DRAWING SHALL BE REFERRED TO THE LATEST VERSION OF THAT STANDARD DRAWING.

**DIMENSIONS AND LEVELS:**

- 2.1 ALL REFERENCES OF STANDARD DRAWING SHALL BE REFERRED TO THE LATEST VERSION OF THAT STANDARD DRAWING.
- 2.2 LEVELS ARE IN METRES RELATIVE TO HONG KONG PRINCIPAL DATUM (mPD) UNLESS OTHERWISE NOTED.
- 2.3 CHAINAGES ARE IN METRES.
- 2.4 DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 2.5 SETTING-OUT DIMENSIONS, LEVELS, COORDINATES ARE TO BE CALCULATED BY THE CONTRACTOR. NO INFORMATION SHOULD BE SCALED PHYSICALLY OR ELECTRONICALLY FROM THE DRAWINGS OR FILES.

**CONCRETE:**

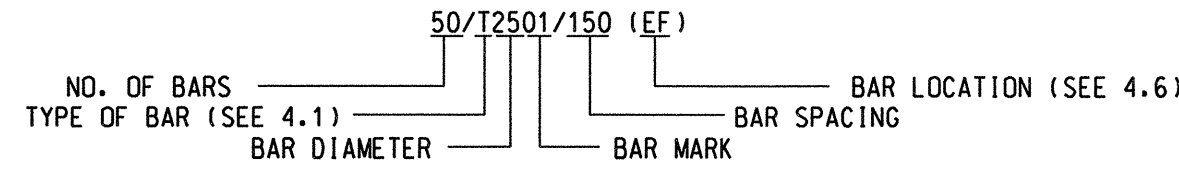
- 3.1 ALL REFERENCES OF STANDARD DRAWING SHALL BE REFERRED TO THE LATEST VERSION OF THAT STANDARD DRAWING.
  - FOOTING GRADE 40/20, COVER 45MM
  - PRECAST CONCRETE BLOCK GRADE 30/20, COVER 35MM
  - BLINDING LAYER GRADE 10/20
- 3.2 CONCRETE GRADES SPECIFIED ARE THE REQUIRED MINIMUM 28 DAYS CHARACTERISTIC STRENGTHS IN MPA AND THE MAXIMUM SIZE OF AGGREGATE IN mm. THE REACTIVE ALKALI OF CONCRETE EXPRESSED AS THE EQUIVALENT SODIUM OXIDE PER CUBIC METRE OF CONCRETE SHALL NOT EXCEED 3KG.
- 3.3 CONSTITUENT MATERIALS, MIX DESIGN AND TESTING REQUIREMENTS ARE DEFINED IN THE HONG KONG GOVERNMENT GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS 2006 EDITION.
- 3.4 CONCRETE FINISHES FOR PRECAST CONCRETE BLOCK SHALL BE U3 OR F3, AND FOR FOOTING SHALL BE U2 OR F2 IN ACCORDANCE WITH THE HONG KONG GOVERNMENT GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS 2006.
- 3.5 BLINDING CONCRETE SHALL BE 75MM THICK UNLESS SHOWN OTHERWISE.

**REINFORCEMENT:**

- 4.1 STEEL REINFORCEMENT SHALL COMPLY WITH CONSTRUCTION STANDARD CS2 : 1995 OF HONG KONG.

SYMBOL	TYPE OF BAR
R	MILD STEEL BAR OF GRADE 250
T	HIGH YIELD DEFORMED BAR OF GRADE 460
F	FABRIC TO BS4483. SPECIFIED CHARACTERISTIC STRENGTH OF STRUCTURAL MESH FABRIC $f_y$ TO BE 425N/mm <sup>2</sup> . SPECIFIED CHARACTERISTIC STRENGTH OF WRAPPING MESH FABRIC $f_y$ TO BE 250N/mm <sup>2</sup> .

- 4.2 STEEL REINFORCEMENT SHALL COMPLY WITH THE REQUIREMENTS OF CONSTRUCTION STANDARD CS2:1995 AND SHALL BE BENT IN ACCORDANCE WITH BS8666:2005.
- 4.3 REINFORCEMENT NOTATION IS AS FOLLOWS:



- 4.4 REINFORCEMENT IS SHOWN DIAGRAMMATICALLY ON THE DRAWINGS AND DOES NOT INTENT TO SHOW THE PRECISE LOCATION OF BARS, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. BAR SPACING IS MEASURED PERPENDICULAR TO THE BAR.
- 4.5 TOP OR NEAR SIDE BARS SHOWN AS ALL OTHER BARS SHOWN AS

- 4.6 ABBREVIATIONS:
  - T TOP
  - B BOTTOM

- 4.7 BARS SHALL BE LAPPED AT THE LOCATIONS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER IF BARS ARE TO BE LAPPED ELSEWHERE.

- 4.8 MINIMUM ANCHORAGE LENGTHS FOR STRAIGHT BARS ARE AS FOLLOWS:

BAR DIAMETER	CONCRETE GRADE: $f_{cu} \geq 40MPa$				CONCRETE GRADE: $f_{cu} < 40MPa$			
	ANCHORAGE LENGTH		ANCHORAGE LENGTH		ANCHORAGE LENGTH		ANCHORAGE LENGTH	
	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION
10	350	280	415	330				
12	420	340	495	395				
16	560	450	660	530				
20	700	565	825	660				
25	875	705	1030	825				
32	1115	900	1315	1055				
40	1395	1125	1645	1315				

- 4.9 MINIMUM LAP LENGTH FOR VARIOUS BAR SIZES ARE AS FOLLOWS UNLESS SHOWN OTHERWISE ON THE DRAWINGS:

BAR DIAMETER	CONCRETE GRADE: $f_{cu} \geq 40MPa$						CONCRETE GRADE: $f_{cu} < 40MPa$						
	MIN LAP LENGTH		1.4 * A		2.0 * A		MIN LAP LENGTH		1.4 * B		2.0 * B		
	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	
10	400	350	490	560	490	800	750	415	350	585	490	830	700
12	450	390	630	550	900	780	495	395	700	555	990	790	
16	560	470	785	660	1120	940	660	530	925	745	1320	1060	
20	700	565	980	795	1400	1130	825	660	1155	925	1650	1320	
25	875	705	1225	990	1750	1410	1030	825	1445	1155	2060	1650	
32	1115	900	1565	1260	2230	1800	1315	1055	1845	1480	2630	2110	
40	1395	1125	1955	1575	2790	2250	1645	1315	2305	1845	3290	2630	

THE LAP LENGTH SHOULD BE 1.4A OR 1.4B IF ANY OF THE FOLLOWING CONDITION APPLIES:

- (a) THE NOMINAL COVER TO THE LAPPED BARS FROM THE TOP OF THE SECTION AS INTENDED TO BE CAST IS LESS THAN TWICE THE BAR SIZE.
- (b) THE CLEAR DISTANCE BETWEEN THE LAP AND ANOTHER PAIR OF LAPPED BARS IS LESS THEN 150mm.
- (c) A CORNER BAR IS BEING LAPPED AND THE NOMINAL COVER TO EITHER FACE IS LESS THAN TWICE THE BAR SIZE.

WHERE CONDITIONS (a) AND (b) OR CONDITIONS (a) AND (c) APPLY THE LAP LENGTH OF 2.0A OR 2.0B SHOULD BE USED.

- 4.10 WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT APPROVAL OF THE ENGINEER.

**STEELWORKS:**

- 5.1 ALL DIMENSIONS AND LEVELS INCLUDING AS CONSTRUCTED HOLDING DOWN BOLT POSITIONS AFFECTING NEW STEELWORK SHOULD BE CHECKED ON SITE BY THE CONTRACTOR INCORPORATED ONTO WORKSHOP DRAWINGS.
- 5.2 HOT ROLLED SECTION TO COMPLY WITH THE STANDARDS AS STIPULATED IN THE SPECIFICATIONS SHOULD NOT BE REPLACED WITH OTHER SECTIONS COMPLYING WITH OTHER STANDARDS UNLESS APPROVED BY THE ENGINEER.
- 5.3 UNLESS OTHERWISE SPECIFIED, ALL STRUCTURAL STEEL MEMBERS AND ALL STRUCTURAL HOLLOW SECTION SHALL COMPLY WITH BS EN 10025:1993 AND BS EN 10210 PART 1 AND PART 2 RESPECTIVELY.

- 5.3.1 HOLLOW SECTIONS :GRADE S355J0H OR EQUIVALENT
- 5.3.2 SECTIONS OTHER THAN HOLLOW SECTIONS :GRADE S355J0 OR EQUIVALENT
- 5.3.3 PLATES FOR STRUCTURAL ELEMENTS :GRADE S355J0 OR EQUIVALENT
- 5.3.4 PLATES FOR NONSTRUCTURAL ELEMENT :GRADE S355J0 OR EQUIVALENT
- 5.3.5 CONNECTION BOLTS :STAINLESS STEEL GRADE A4-80/BS EN ISO 3506-1 & 2)

- 5.4 IN ACCORDANCE WITH BS EN 10025:1993, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE NOTCH TOUGHNESS AND THE CHAPPY IMPACT REQUIREMENTS OF THE STEEL. (1.0. SELECTION OF STEEL SUBGRADE). THE STEEL SHOULD SATISFY THE REQUIREMENTS OF CLAUSE 2.4.4 OF BS 5950 : PART 1 : 1990 BASED ON A MINIMUM TEMPERATURE OF 10° C.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE STEEL HAS ADEQUATE THROUGH THICKNESS PROPERTIES TO SATISFY THE THROUGH THICKNESS PROPERTIES AND WELDING SEQUENCE THAT THE MATERIAL, AT OR ADJACENT TO WELDED LOCATIONS, IS FREE OF LAMINATIONS CENTERLINE SEGREGATION OR OTHER CRACK LINE INDICATIONS ON COMPLETION OF WELDING. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE QUALITY CLASS OF STEEL WITH ENHANCED THROUGH THICKNESS PROPERTIES (EN 10164) WHICH MAY BE REQUIRED COMPATIBLE WITH HIS CHOSEN METHOD OF WORKING.

NOT LESS THAN THREE WEEKS PRIOR TO ORDERING THE STEEL, THE CONTRACTOR SHOULD SUBMIT A REPORT FOR REVIEW, WHICH DOCUMENTS THE SUBGRADE SELECTION AND THE STRATEGY (MATERIAL SELECTION, WELDING PROCEDURE AND INSPECTION) WHICH WOULD BE IMPLEMENTED FOR CONTROLLING THE THROUGH THICKNESS STRESS DURING WELDING AND ENSURING THAT THE ABOVE CRITERIA ARE SATISFIED.

- 5.5 STAINLESS STEEL SHALL COMPLY WITH THE STANDARDS AS STIPULATED IN THE SPECIFICATIONS
- 5.6 ALL STAINLESS STEEL BOLTS AND RETAINING SCREWS SHALL BE GRADE A4-80 STAINLESS STEEL TO BS EN ISO 3506-1 & 2 WITH COMPATIBLE STAINLESS STEEL WASHERS, A NYLON OR OTHER APPROVED PLASTICS WASHER IS TO BE PROVIDED BETWEEN THE SURFACES OF ANY DIFFERENT METAL SUCH AS ALUMINIUM ALLOY, STAINLESS STEEL AND GALVANIZED STEEL.
- 5.7 UNLESS OTHERWISE SPECIFIED IN THE DRAWINGS, ALL FASTENERS SHALL BE STAINLESS STEEL BOLTS OR HSFG BOLTS AS APPROVED BY THE ENGINEER. HSFG BOLTS SHALL BE PROTECTED WITH ELECTROPLATED ZINC PLATE FOR THE BOLTS AND CADMIUM PLATE FOR THE NUTS TO BS 3382.
- 5.8 THE DIAMETER OF A BOLT HOLE SHALL BE 2mm LARGER THAN THE NOMINAL DIAMETER OF THE BOLT, UNLESS SHOWN OTHERWISE.
- 5.9 THE THREAD OF ALL RETAINING (BOLTS WITHOUT NUTS) SHOULD BE COATED WITH AN EPOXY RESIN ADHESIVE IMMEDIATELY PRIOR TO TIGHTENING. MANUFACTURERS DETAILS OF THE ADHESIVE SHOULD BE AGREED WITH THE ENGINEER.
- 5.10 AT SLOTTED HOLE CONNECTIONS EITHER SELF LOCKING NUTS SHOULD BE USED OR THE BOLTS NUTS SHOULD BE COATED WITH EPOXY RESIN ADHESIVE IMMEDIATELY PRIOR TO TIGHTENING.
- 5.11 ALL WELDING SHALL BE CARRIED OUT BY CERTIFIED WELDERS AS DESCRIBED IN THE SPECIFICATION.
- 5.12 WELDING FOR CARBON MANGANESE STEEL SHALL COMPLY WITH BS EN 1011-1:1998 AND BS EN 1011-2:2001 CONTINUOUS FILLET WELD SHALL BE USED 6mm UNLESS OTHERWISE SPECIFIED. WELD SHALL BE GRADE E51 ELECTRODES WITH CAPACITY OF 255N/mm .
- 5.13 THE SYMBOLS FOR WELDING ARE IN ACCORDANCE WITH BS EN 13622.
- 5.14 BUTT WELDS ARE TO BE COMPLETED PENETRATION WELDS PRODUCED BY METHODS APPROVED BY THE ENGINEER AFTER DEMONSTRATION AT PROCEDURE TRIALS.
- 5.15 WELDING CONSUMABLES SHOULD PRODUCE DEPOSITED WELD METAL HAVING MECHANICAL PROPERTIES NOT INFERIOR THE MINIMA OF THE PARENT METAL.
- 5.16 TOLERANCES ARE IN ACCORDANCE WITH THE SPECIFICATION.
- 5.17 THE CONTRACTOR SHOULD BE RESPONSIBLE FOR THE PROVISION OF ALL PACKING TO ACHIEVE ADEQUATE TOLERANCE AT THE CONNECTIONS.
- 5.18 STEELWORK IS CORROSION PROPECTED AS DESCRIBED IN THE SPECIFICATION.
- 5.19 CORROSION PROTECTION IS APPLIED TO THE INSIDE SURFACES OF ALL HOLES.
- 5.20 DETAILS OF PAINT ARE USED SHOULD BE APPROVED BY THE ENGINEER PRIOR TO APPLICATION TO THE STEELWORK.
- 5.21 STEEL WHICH IS CAST-IN SHOULD REMAIN UNPAINTED. THE STEEL SHOULD BE BLAST CLEANED (EITHER PRIOR TO OR AFTER FABRICATION) TO THE STANDARDS AS STIPULATED IN THE SPECIFICATIONS.
- 5.22 IMMEDIATELY PRIOR TO ERECTION ALL STEELWORK SHOULD BE SPRAY WASHED WITH WATER AND DETERGENT, THEN SPRAY RINSED WITH CLEAN WATER.

**PRECAST CONCRETE BLOCK:**

- 6.1 PRECAST CONCRETE BLOCKS SHALL BE REINFORCED WITH STEEL FABRIC TO B.S. 4483 TYPE A 393 ON ALL SIDES.
- 6.2 PRECAST CONCRETE BLOCKS SHALL BE SET ON GROUND WITH AN ALLOWABLE BEARING CAPACITY GREATER THAN 350 kPa UNLESS PERMITTED BY THE ENGINEER. PLATE LOAD TESTS SHALL BE CARRIED OUT TO VERIFY THE SOIL BEARING CAPACITY TO THE SATISFACTION OF THE ENGINEER.
- 6.3 THE CONTRACTOR SHALL DESIGN AND PROVIDE THE LIFTING EYES TO THE PRECAST CONCRETE BLOCK. THE DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

**EXTERIOR DESIGN OF HOARDING:**

- 7.1 PURSUANT TO THE PARTICULAR SPECIFICATION, THE CONTRACTOR SHALL PROVIDE 3 ALTERNATIVE OPTIONS OF AESTHETIC PROFESSIONAL GRAPHIC DESIGNS FOR THE SPECIAL HOARDING.

**SPECIAL HOARDINGS:**

- 8.1. FOR STANDARD HOARDINGS, DETAILS SHALL BE REFERRED TO HyD STANDARD DRAWINGS H6110 AND H6111.
- 8.2. FOR SPECIAL HOARDING, REFER TO DRAWINGS 60095653/IEC/1312-1314.
  - A. THE SPECIAL HOARDING, SHALL BE ERECTED UP TO THE BRIDGE DECK SOFFIT OF THE EXISTING ISLAND EASTERN CORRIDOR, LEAVING 300mm (MAX.) BETWEEN THE DECK SOFFIT AND THE TOP OF HOARDING.
  - B. ALL FRAME WORKS OF THE SPECIAL HOARDINGS SHALL BE GRADE S355J0 TO EN 10025 AND PAINTED WITH PAINT SYSTEM A STATED IN CLAUSE 18.63 OF G.S. 2006.

**NOTE:**

- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DNG. NO. 60095653/IEC/1301 & 1302 AND 1312-1314.

A	WORKING DRAWING	ALCF	BCC	DEC 10
-	TENDER DRAWING	ALCF	BCC	MAY 10
REV. 修改	DESCRIPTION 內容摘要	REV. 修改	DATE 日期	

Highways Department 路政署  
Major Works Project Management Office

CENTRAL - WAN CHAI BYPASS AND IEC LINK

PWP ITEM NO. 579 TH  
工務計劃項目編號

CENTRAL - WAN CHAI BYPASS - TUNNEL (NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK

GENERAL NOTES FOR SPECIAL HOARDING

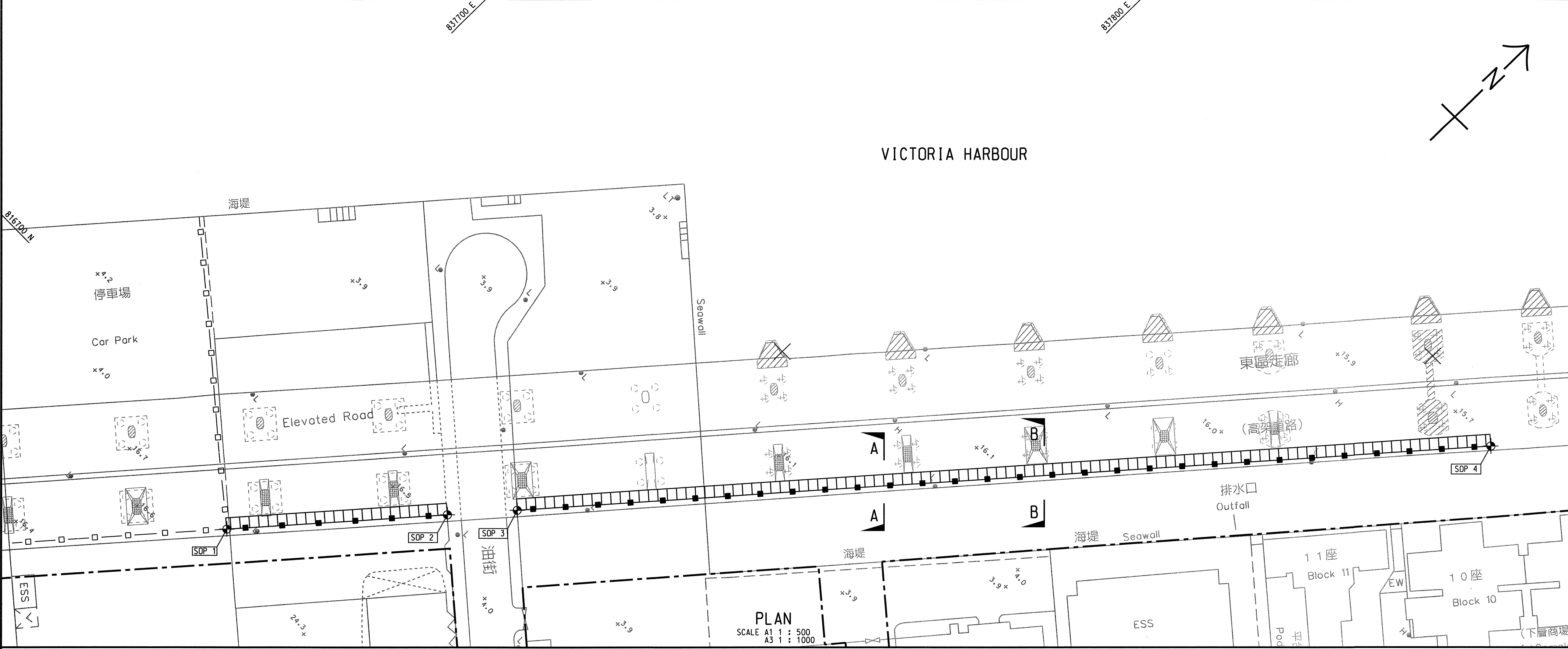


DRG.NO. 60095653/IEC/1311A  
圖紙編號

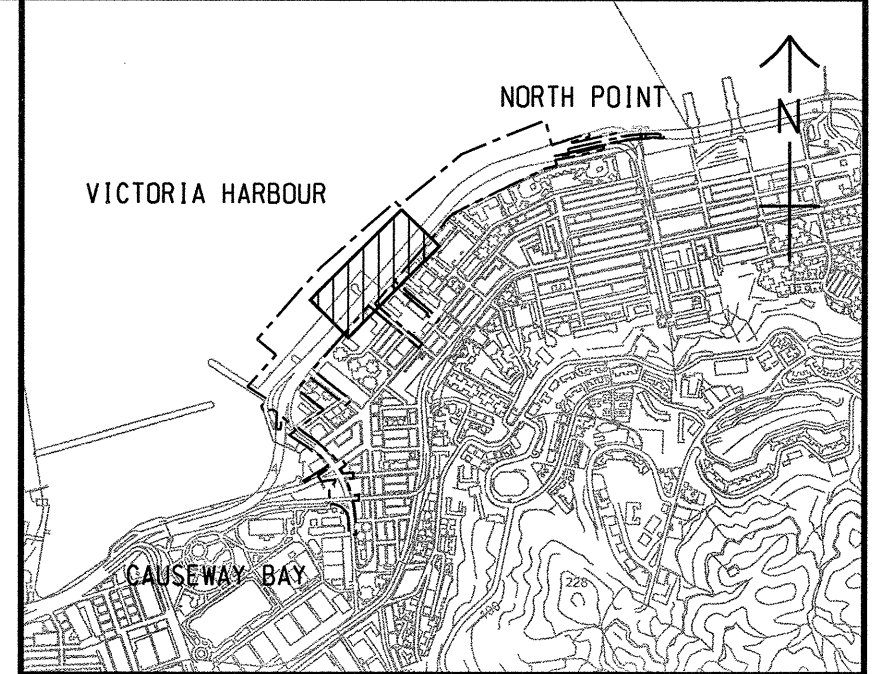
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DRAWN BY 繪圖	YMZ	STATUS 階段			

SCALE 比例 N.T.S.  
**WORKING DRAWING**

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PLAN  
SCALE A1 1 : 500  
A3 1 : 1000



KEY PLAN  
SCALE A1 1 : 20000  
A3 1 : 40000

NOTES:

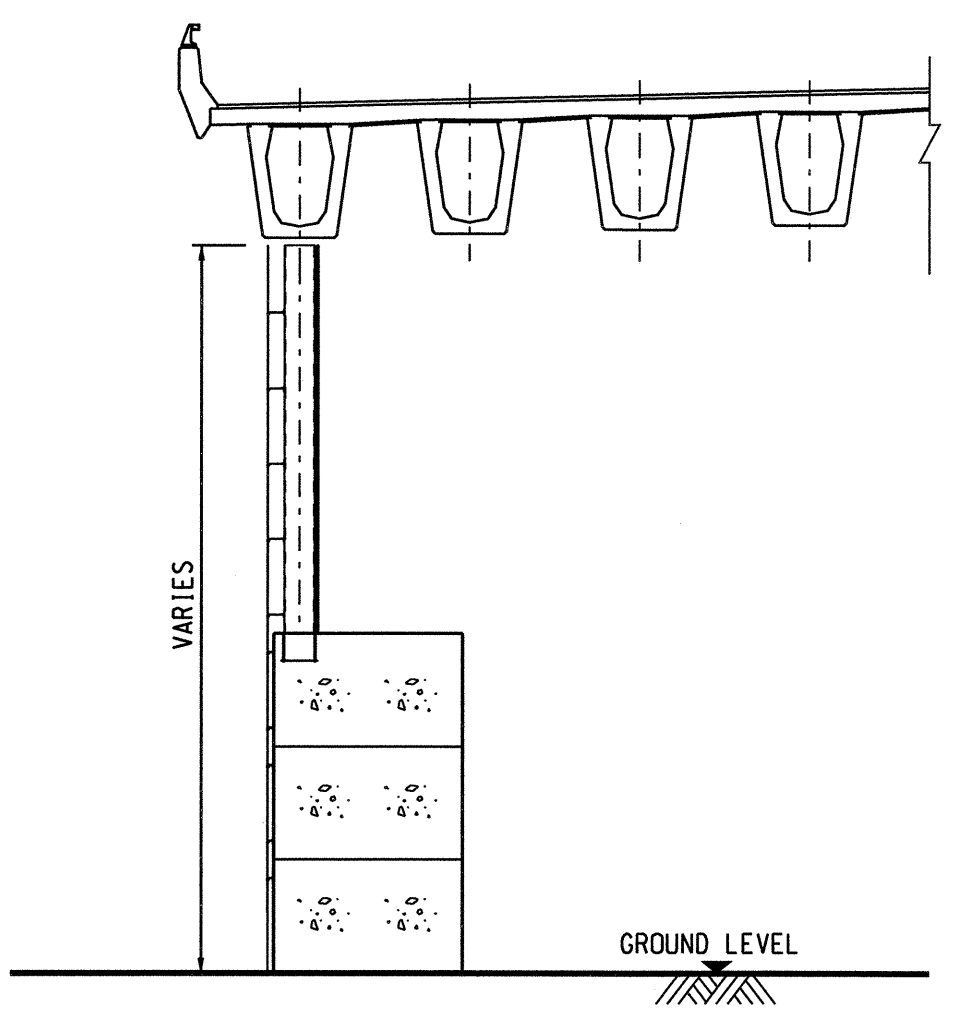
- FOR GENERAL NOTES, PLEASE REFER TO DRG. NO. 60095653/IEC/1311.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG. NO. 60095653/IEC/1311 AND 1313-1314.

LEGEND:

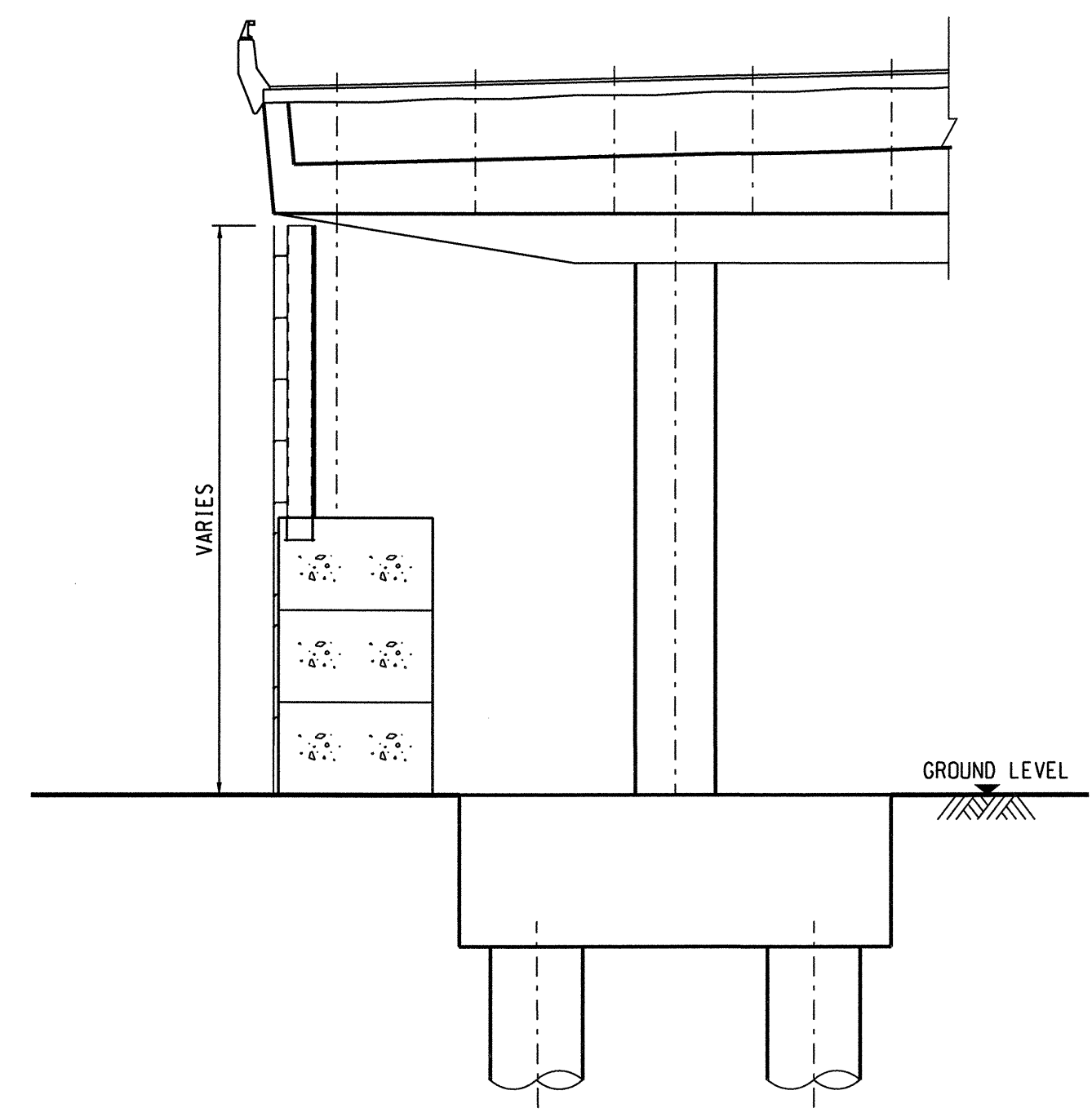
- SITE BOUNDARY
- ⊕ SETTING OUT POINT
- PROPOSED SPECIAL HOARDING
- SPECIAL HOARDING BY OTHERS

SETTING OUT POINTS:

	EASTING	NORTHING
SOP 1	837742.786	816686.796
SOP 2	837774.220	816723.165
SOP 3	837784.162	816734.672
SOP 4	837922.884	816895.220



SECTION A - A  
TYPICAL SECTION FOR HOARDING  
SCALE A1 1 : 100  
A3 1 : 200



SECTION B - B  
TYPICAL SECTION FOR HOARDING  
AT EXISTING PIER LOCATION  
SCALE A1 1 : 100  
A3 1 : 200

A	WORKING DRAWING	ALCF	BCC	DEC 10
-	TENDER DRAWING	ALCF	BCC	MAY 10
REV.	DESCRIPTION	CHECKED	DATE	

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PWP ITEM NO. 579 TH  
工務計劃項目編號

CENTRAL - WAN CHAI BYPASS - TUNNEL  
(NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK

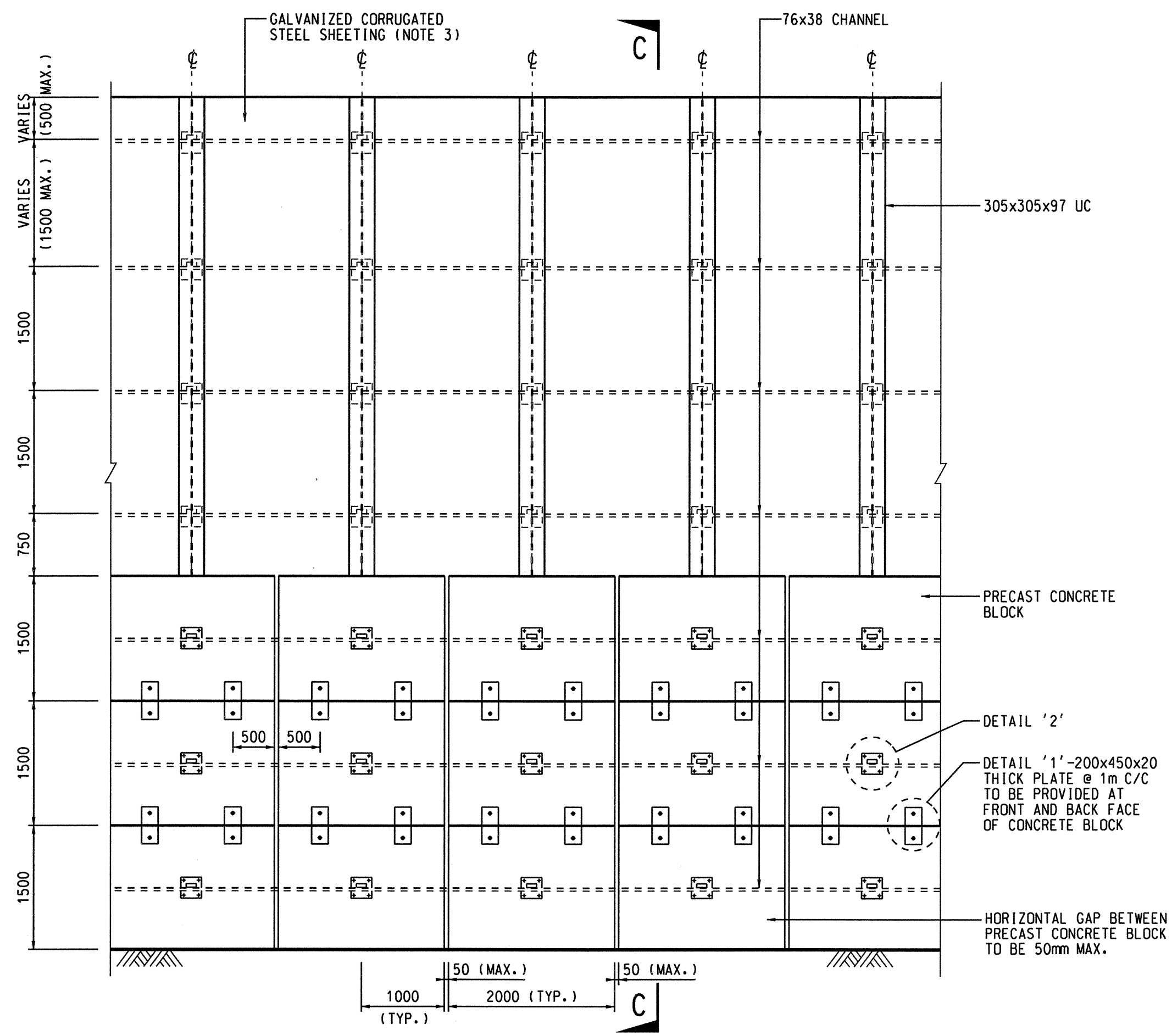
LAYOUT AND SECTIONS  
OF SPECIAL HOARDING



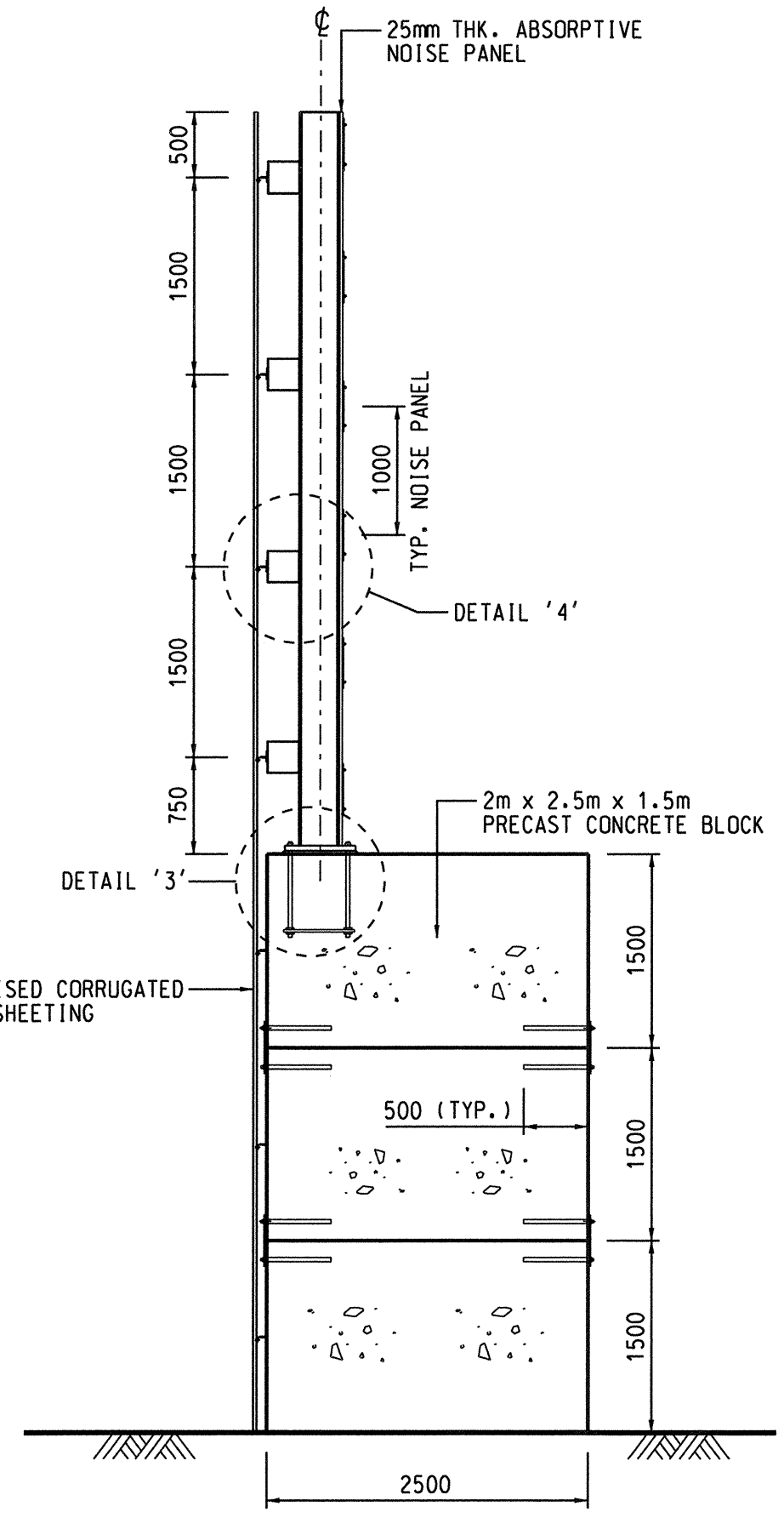
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圖紙編號

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DRAWN BY LJ	STATUS WORKING DRAWING	
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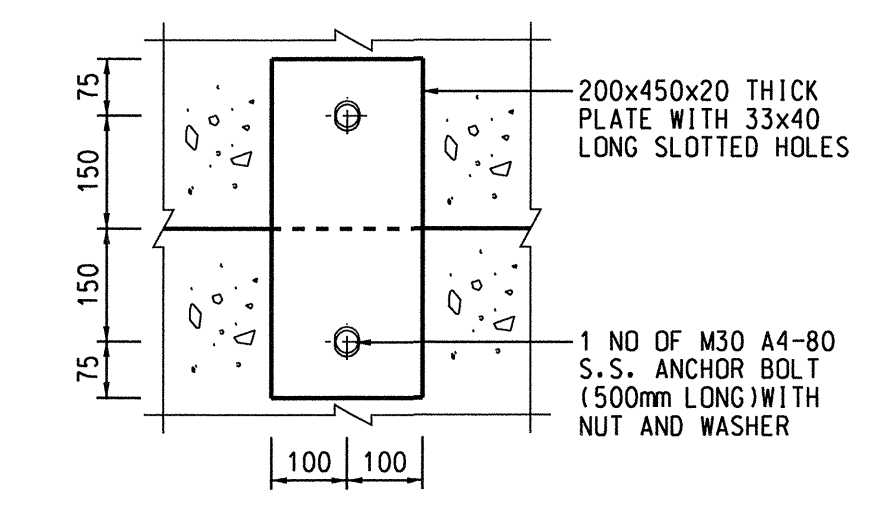
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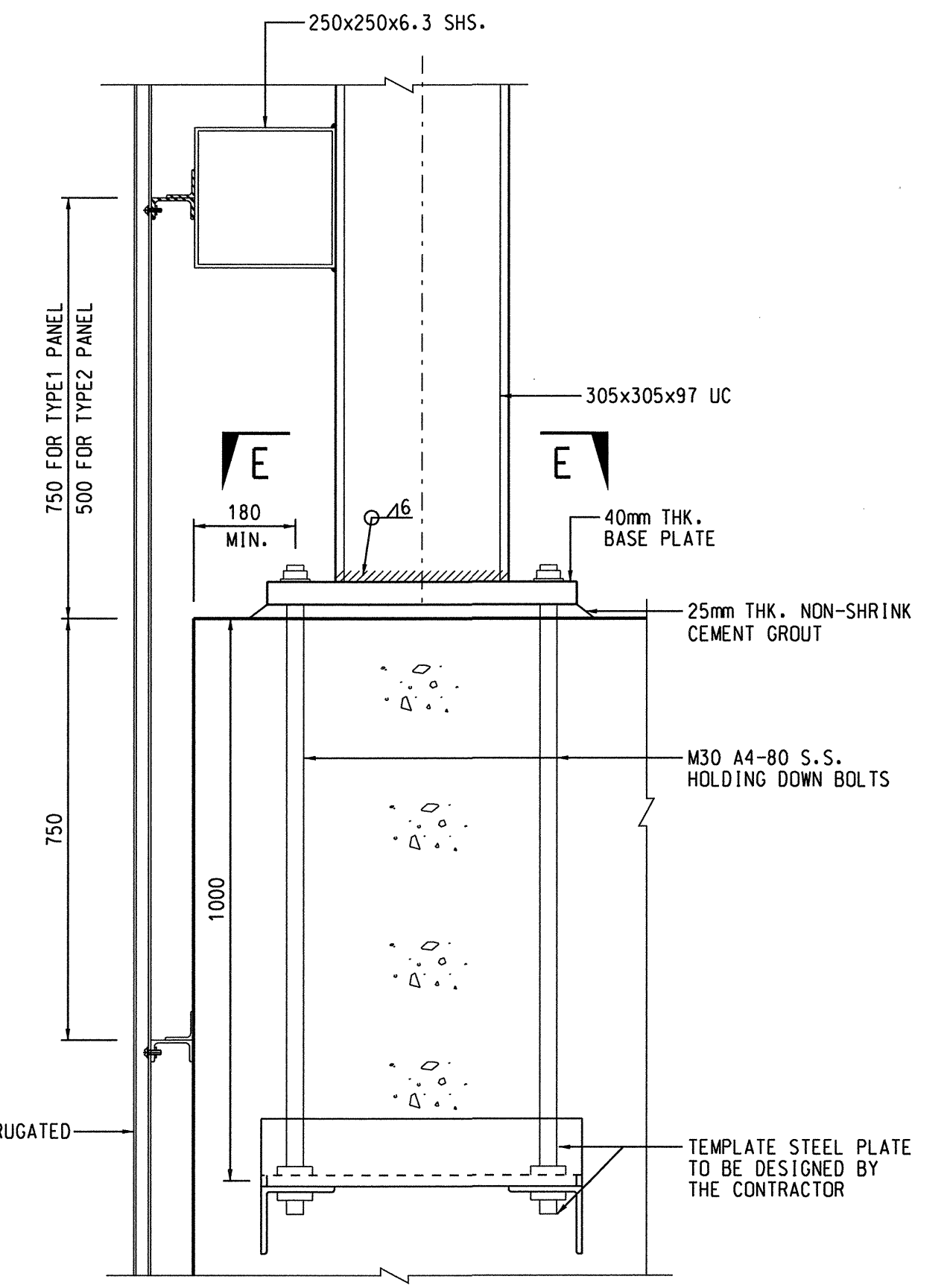
**ELEVATION**  
SCALE A1 1 : 50  
A3 1 : 100



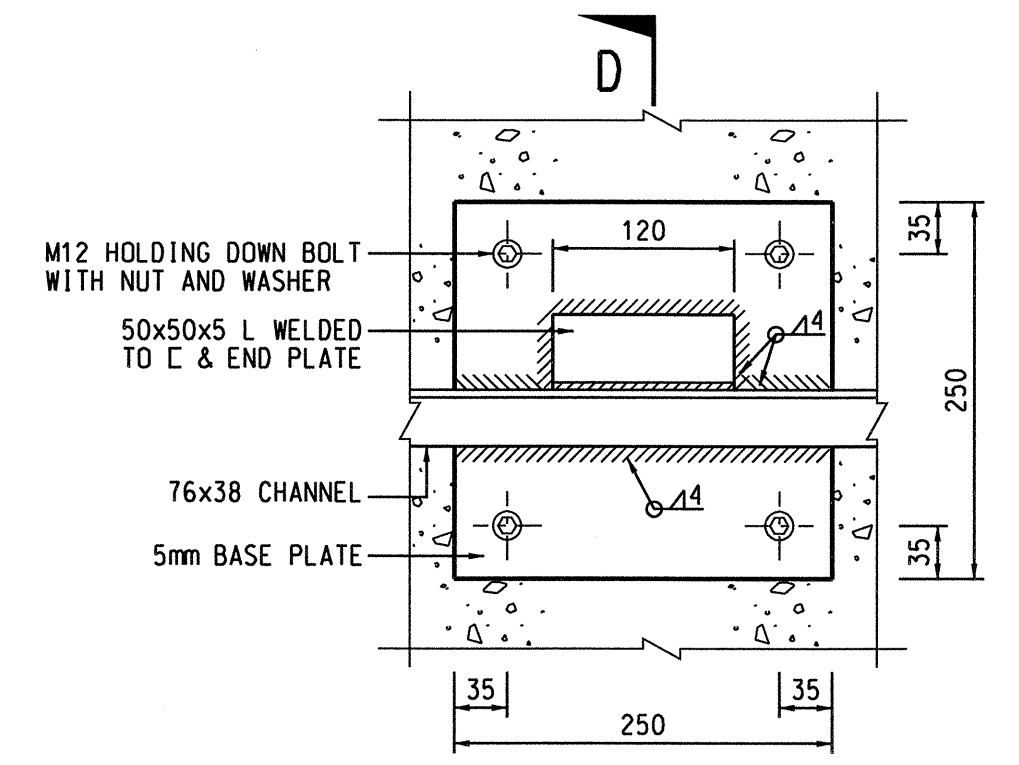
**SECTION C - C**  
SCALE A1 1 : 50  
A3 1 : 100



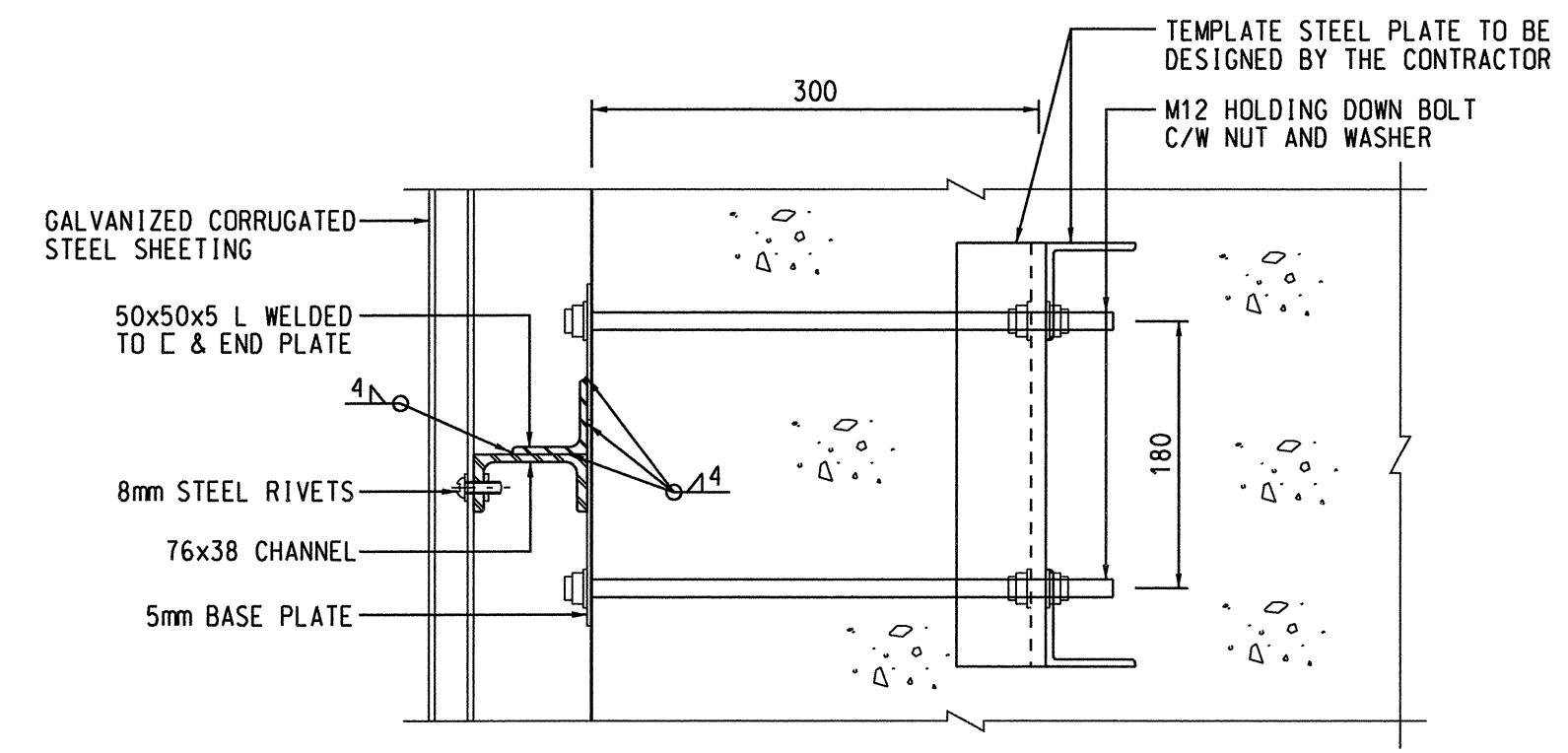
**DETAIL '1'**  
SCALE A1 1 : 10  
A3 1 : 20



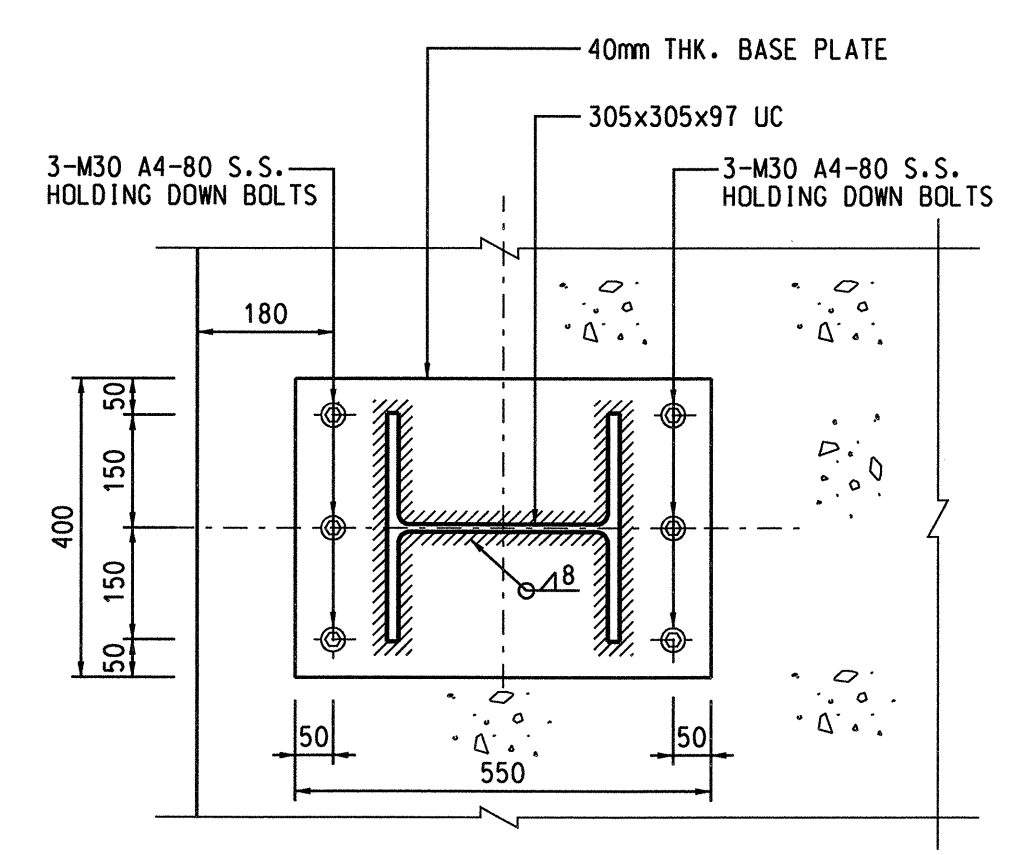
**DETAIL '3'**  
SCALE A1 1 : 10  
A3 1 : 20



**DETAIL '2'**  
SCALE A1 1 : 5  
A3 1 : 10



**SECTION D - D**  
SCALE A1 1 : 5  
A3 1 : 10



**SECTION E - E**  
SCALE A1 1 : 10  
A3 1 : 20

- NOTES:**
1. REFER TO DRAWING 60095653/IEC/1311 FOR GENERAL NOTES.
  2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG. NO. 60095653/IEC/1311-1312 AND 1314.
  3. CORRUGATED STEEL SHEETING SHALL HAVE SECTION MODULUS NOT LESS THAN 4000mm<sup>3</sup>/m. THE SHEETING SHALL BE TO BS3083 8/3 G350.

REV. 01	WORKING DRAWING	ALCF	BCC	DEC 10
REV. 02	TENDER DRAWING	ALCF	BCC	MAY 10
REV. 03	DESCRIPTION	S.E.	P.E.	DATE
01	內容摘要	審核	校核	日期

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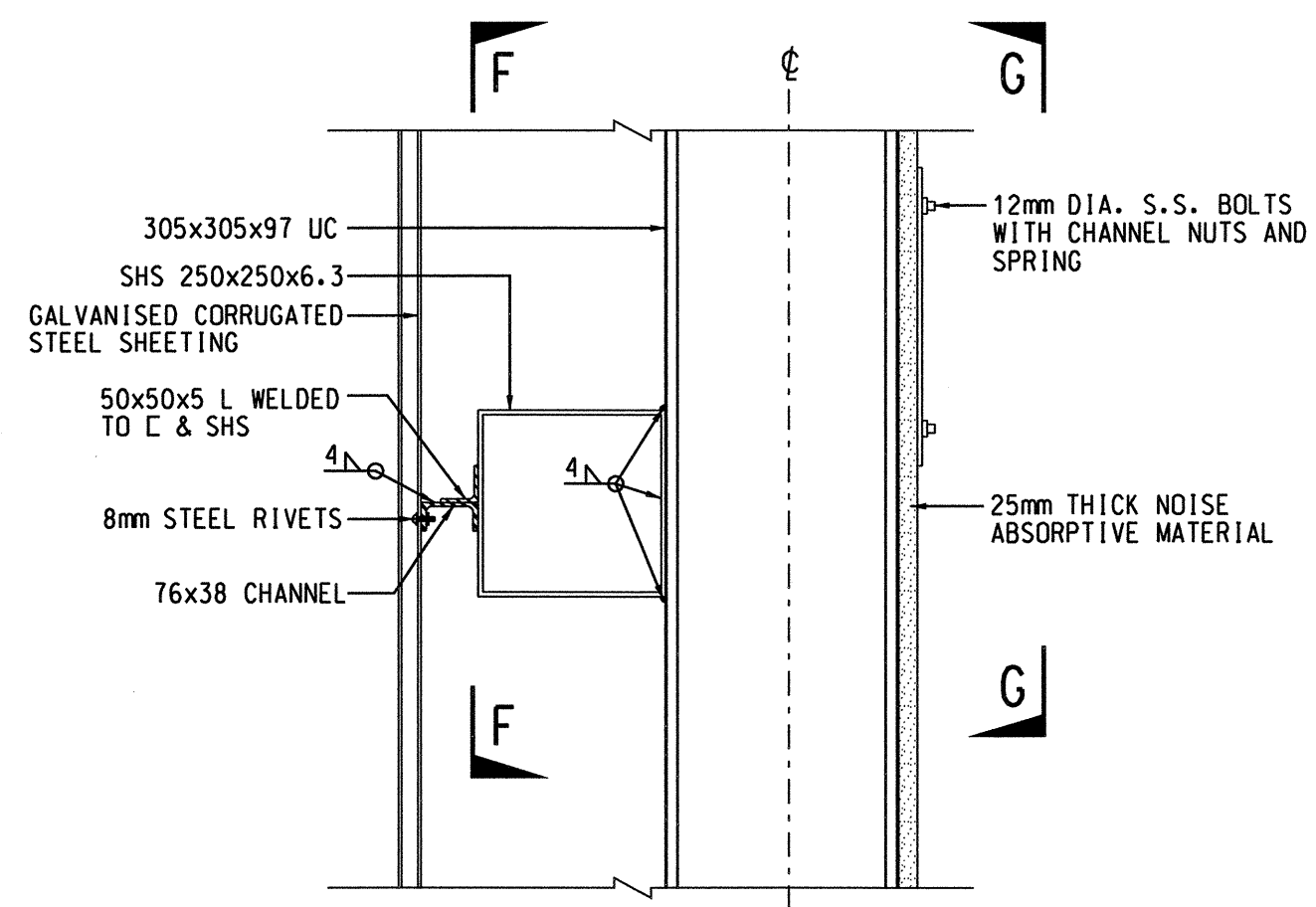
CENTRAL - WAN CHAI BYPASS - TUNNEL (NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK

DETAILS OF SPECIAL HOARDING  
SHEET 1 OF 2

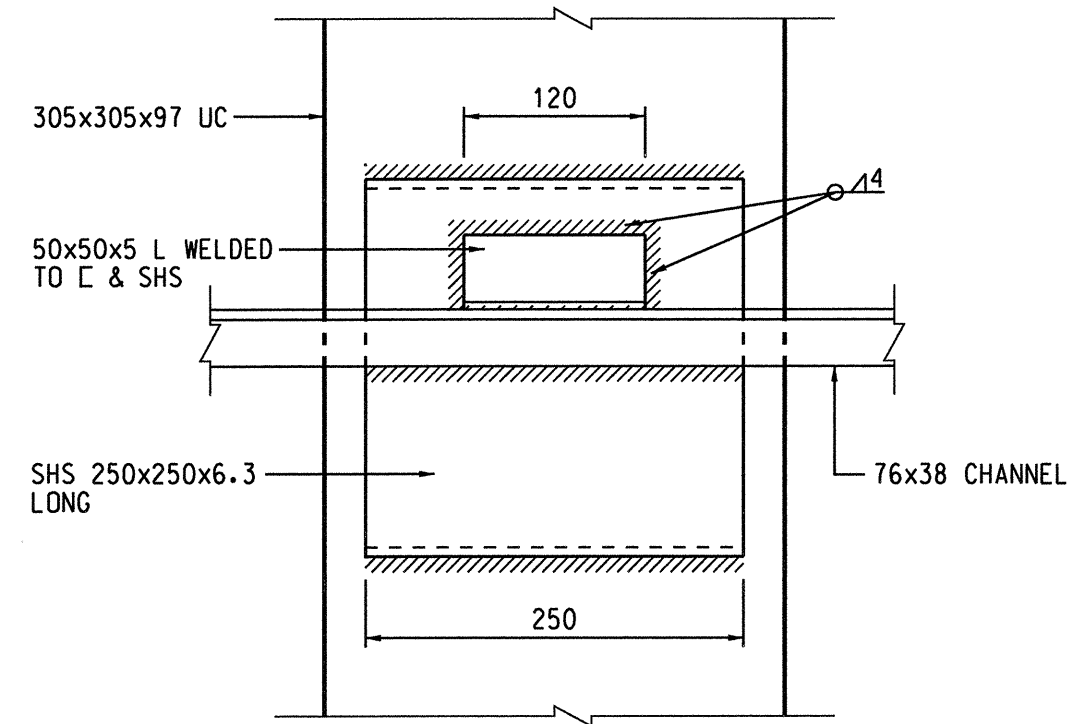


DRG. NO. 圖紙編號	60095653/IEC/1313A		
DESIGNED BY 設計	ALCF	CONTRACT NO. 合約編號	HY/2009/19
DRAWN BY 繪圖	LJ	P. DIR. APPROVED 授權人	CW
SCALE 比例	A1 AS SHOWN A3 AS SHOWN	<b>WORKING DRAWING</b>	
DIMENSIONS ARE IN 尺寸單位	MILLIMETRES		
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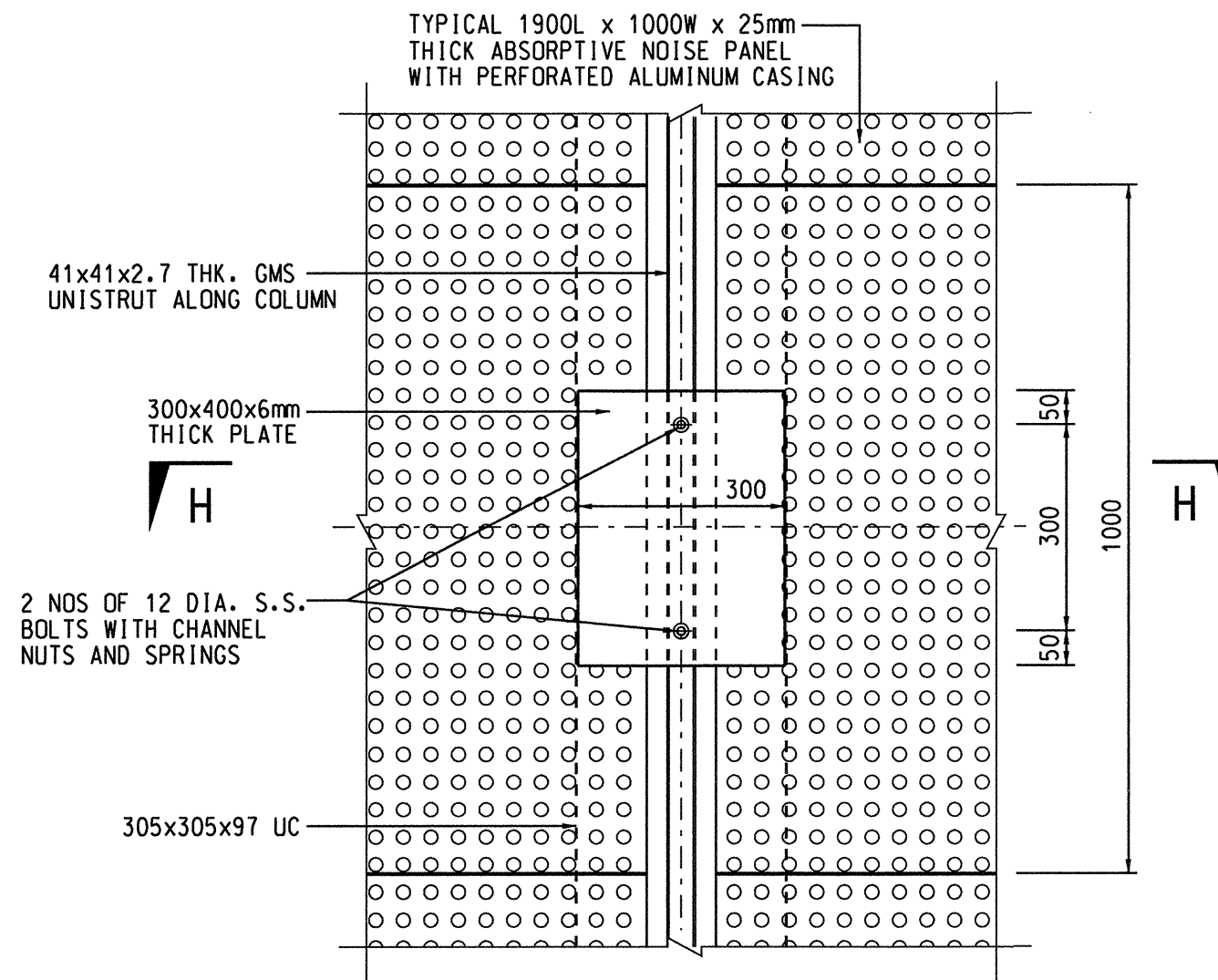




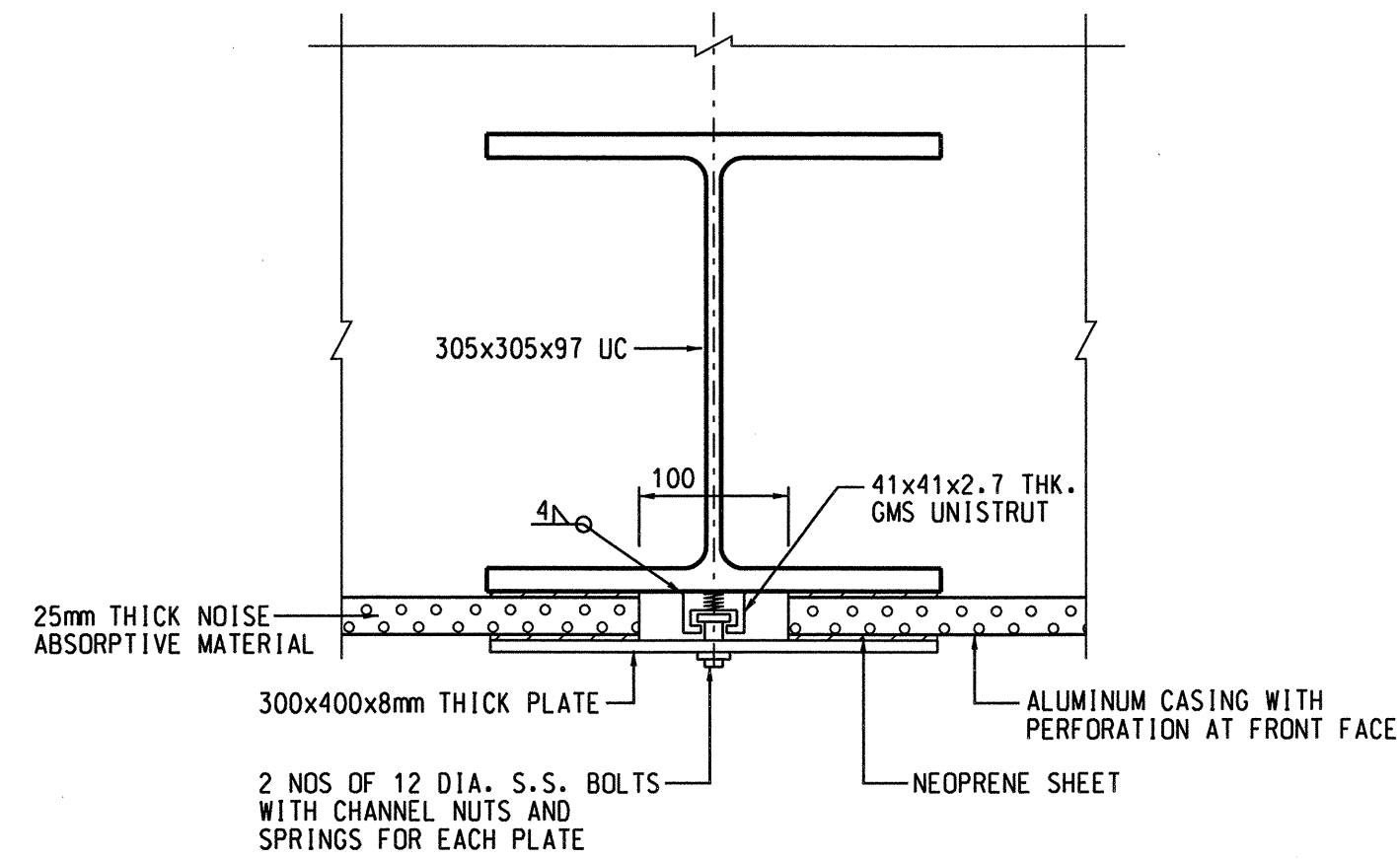
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SCALE A1 1 : 10  
A3 1 : 20



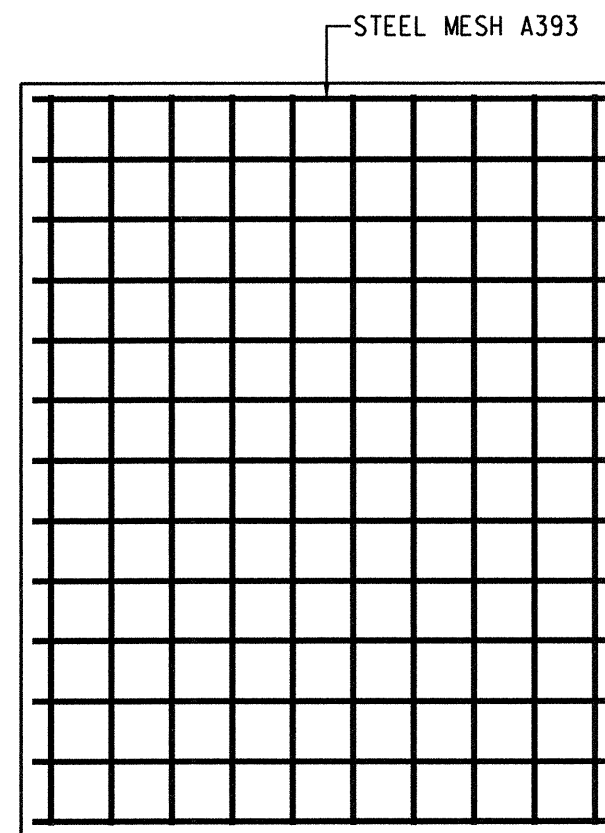
SECTION F - F  
SCALE A1 1 : 5  
A3 1 : 10



ELEVATION G - G  
SCALE A1 1 : 10  
A3 1 : 20



SECTION H - H  
FIXING DETAIL FOR ABSORPTIVE NOISE PANELS  
SCALE A1 1 : 5  
A3 1 : 10



CONCRETE BLOCK REINFORCEMENT  
(STEEL MESH A393 TO BE PROVIDED FOR ALL SIX SIDES OF CONCRETE BLOCK)  
SCALE A1 1 : 25  
A3 1 : 50

NOTES:

1. REFER TO DRAWING 60095653/IEC/1311 FOR GENERAL NOTES.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG. NO. 60095653/IEC/1311-1313.
3. THE NOISE ABSORPTIVE MATERIAL SHALL BE AN APPROVED TYPE OF ROCKWOOL HAVING A SUPERFICIAL DENSITY OF NO LESS THAN 14 KG/m<sup>2</sup> AND A THICKNESS OF 25mm.
4. THE CONTRACTOR SHALL DESIGN THE ALUMINUM CASING THAT HOUSES THE NOISE ABSORPTIVE MATERIAL BASED ON THE USE OF 1mm THICK ALUMINUM SHEET WITH PERFORATION AT THE FRONT (FACING THE TEMPORARY CARPARK) AND 3mm THICK ALUMINUM BACKING PLATE. THE GRADE OF ALUMINUM SHALL BE GRADE 5083, 6082(T6) OR 3003H18.
5. THE PERFORATION OF THE ALUMINUM SHEET AT THE FRONT SHALL BE 36%.

A	WORKING DRAWING	ALCF	BCC	DEC 10
-	TENDER DRAWING	ALCF	BCC	MAY 10
REV. / 修改:	DESCRIPTION / 內容修改	E.C. / 校核	P.E. / 校核	DATE / 日期

Highways Department 路政署  
Major Works Project Management Office

CENTRAL - WAN CHAI BYPASS AND IEC LINK

PWP ITEM NO. 579 TH  
工務計劃項目編號

CENTRAL - WAN CHAI BYPASS - TUNNEL  
(NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK

DETAILS OF  
SPECIAL HOARDING

SHEET 2 OF 2

AECOM

DRG.NO. 60095653/IEC/1314A  
圖紙編號

DESIGNED BY / 設計	ALCF	CONTRACT NO. / 合約編號	HY/2009/19	P. DIR. APPROVED / 核准人	CW
DRAWN BY / 繪圖	YMZ	STATUS / 情況	WORKING DRAWING		

SCALE / 比例: A1 AS SHOWN, A3 AS SHOWN  
DIMENSIONS ARE IN / 尺寸單位: MILLIMETRES

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**GENERAL:**

- 1.1 THIS DRAWING IS TO BE READ IN CONJUNCTIONS WITH THE CONTRACT SPECIFICATION AND PARTICULAR REQUIREMENTS AS SHOWN ON INDIVIDUAL DRAWINGS.
- 1.2 UNLESS OTHERWISE SPECIFIED, THESE GENERAL NOTES ARE APPLICABLE TO SPECIAL SITE HOARDING ONLY.
- 1.3 ALL REFERENCES OF STANDARD DRAWING SHALL BE REFERRED TO THE LATEST VERSION OF THAT STANDARD DRAWING.

**DIMENSIONS AND LEVELS:**

- 2.1 ALL REFERENCES OF STANDARD DRAWING SHALL BE REFERRED TO THE LATEST VERSION OF THAT STANDARD DRAWING.
- 2.2 LEVELS ARE IN METRES RELATIVE TO HONG KONG PRINCIPAL DATUM (mPD) UNLESS OTHERWISE NOTED.
- 2.3 CHAINAGES ARE IN METRES.
- 2.4 DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 2.5 SETTING-OUT DIMENSIONS, LEVELS, COORDINATES ARE TO BE CALCULATED BY THE CONTRACTOR. NO INFORMATION SHOULD BE SCALED PHYSICALLY OR ELECTRONICALLY FROM THE DRAWINGS OR FILES.

**CONCRETE:**

- 3.1 ALL REFERENCES OF STANDARD DRAWING SHALL BE REFERRED TO THE LATEST VERSION OF THAT STANDARD DRAWING.
 

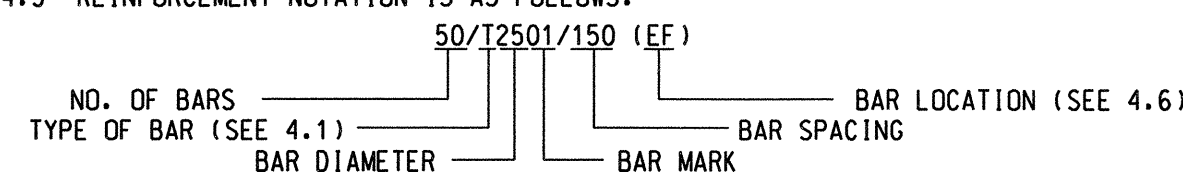
FOOTING	GRADE 40/20, COVER 45MM
PRECAST CONCRETE BLOCK	GRADE 30/20, COVER 35MM
BLINDING LAYER	GRADE 10/20
- 3.2 CONCRETE GRADES SPECIFIED ARE THE REQUIRED MINIMUM 28 DAYS CHARACTERISTIC STRENGTHS IN MPA AND THE MAXIMUM SIZE OF AGGREGATE IN mm. THE REACTIVE ALKALI OF CONCRETE EXPRESSED AS THE EQUIVALENT SODIUM OXIDE PER CUBIC METRE OF CONCRETE SHALL NOT EXCEED 3KG.
- 3.3 CONSTITUENT MATERIALS, MIX DESIGN AND TESTING REQUIREMENTS ARE DEFINED IN THE HONG KONG GOVERNMENT GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS 2006 EDITION.
- 3.4 CONCRETE FINISHES FOR PRECAST CONCRETE BLOCK SHALL BE U3 OR F3, AND FOR FOOTING SHALL BE U2 OR F2 IN ACCORDANCE WITH THE HONG KONG GOVERNMENT GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS 2006.
- 3.5 BLINDING CONCRETE SHALL BE 75MM THICK UNLESS SHOWN OTHERWISE.

**REINFORCEMENT:**

- 4.1 STEEL REINFORCEMENT SHALL COMPLY WITH CONSTRUCTION STANDARD CS2 : 1995 OF HONG KONG.

SYMBOL	TYPE OF BAR
R	MILD STEEL BAR OF GRADE 250
T	HIGH YIELD DEFORMED BAR OF GRADE 460
F	FABRIC TO BS4483. SPECIFIED CHARACTERISTIC STRENGTH OF STRUCTURAL MESH FABRIC $f_y$ TO BE 425N/mm <sup>2</sup> . SPECIFIED CHARACTERISTIC STRENGTH OF WRAPPING MESH FABRIC $f_y$ TO BE 250N/mm <sup>2</sup> .

- 4.2 STEEL REINFORCEMENT SHALL COMPLY WITH THE REQUIREMENTS OF CONSTRUCTION STANDARD CS2:1995 AND SHALL BE BENT IN ACCORDANCE WITH BS8666:2005.
- 4.3 REINFORCEMENT NOTATION IS AS FOLLOWS:



- 4.4 REINFORCEMENT IS SHOWN DIAGRAMMATICALLY ON THE DRAWINGS AND DOES NOT INTEND TO SHOW THE PRECISE LOCATION OF BARS, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. BAR SPACING IS MEASURED PERPENDICULAR TO THE BAR.
- 4.5 TOP OR NEAR SIDE BARS SHOWN AS ALL OTHER BARS SHOWN AS

- 4.6 ABBREVIATIONS:

T TOP  
B BOTTOM

- 4.7 BARS SHALL BE LAPPED AT THE LOCATIONS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER IF BARS ARE TO BE LAPPED ELSEWHERE.

- 4.8 MINIMUM ANCHORAGE LENGTHS FOR STRAIGHT BARS ARE AS FOLLOWS:

BAR DIAMETER	CONCRETE GRADE: $f_{cu} \geq 40MPa$				CONCRETE GRADE: $f_{cu} < 40MPa$			
	ANCHORAGE LENGTH		ANCHORAGE LENGTH		ANCHORAGE LENGTH		ANCHORAGE LENGTH	
	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION
10	350	280	415	330				
12	420	340	495	395				
16	560	450	660	530				
20	700	565	825	660				
25	875	705	1030	825				
32	1115	900	1315	1055				
40	1395	1125	1645	1315				

- 4.9 MINIMUM LAP LENGTH FOR VARIOUS BAR SIZES ARE AS FOLLOWS UNLESS SHOWN OTHERWISE ON THE DRAWINGS:

BAR DIAMETER	CONCRETE GRADE: $f_{cu} \geq 40MPa$						CONCRETE GRADE: $f_{cu} < 40MPa$					
	MIN LAP LENGTH		1.4 * A		2.0 * A		MIN LAP LENGTH		1.4 * B		2.0 * B	
	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION	COMPRESSION
10	400	350	560	490	800	750	415	350	585	490	830	700
12	450	390	630	550	900	780	495	395	700	555	990	790
16	560	470	785	660	1120	940	660	530	925	745	1320	1060
20	700	565	980	795	1400	1130	825	660	1155	925	1650	1320
25	875	705	1225	990	1750	1410	1030	825	1445	1155	2060	1650
32	1115	900	1565	1260	2230	1800	1315	1055	1845	1480	2630	2110
40	1395	1125	1955	1575	2790	2250	1645	1315	2305	1845	3290	2630

THE LAP LENGTH SHOULD BE 1.4A OR 1.4B IF ANY OF THE FOLLOWING CONDITION APPLIES:

- (a) THE NOMINAL COVER TO THE LAPPED BARS FROM THE TOP OF THE SECTION AS INTENDED TO BE CAST IS LESS THAN TWICE THE BAR SIZE.
- (b) THE CLEAR DISTANCE BETWEEN THE LAP AND ANOTHER PAIR OF LAPPED BARS IS LESS THEN 150mm.
- (c) A CORNER BAR IS BEING LAPPED AND THE NOMINAL COVER TO EITHER FACE IS LESS THAN TWICE THE BAR SIZE.

WHERE CONDITIONS (a) AND (b) OR CONDITIONS (a) AND (c) APPLY THE LAP LENGTH OF 2.0A OR 2.0B SHOULD BE USED.

- 4.10 WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT APPROVAL OF THE ENGINEER.

**STEELWORKS:**

- 5.1 ALL DIMENSIONS AND LEVELS INCLUDING AS CONSTRUCTED HOLDING DOWN BOLT POSITIONS AFFECTING NEW STEELWORK SHOULD BE CHECKED ON SITE BY THE CONTRACTOR INCORPORATED ONTO WORKSHOP DRAWINGS.
- 5.2 HOT ROLLED SECTION TO COMPLY WITH THE STANDARDS AS STIPULATED IN THE SPECIFICATIONS SHOULD NOT BE REPLACED WITH OTHER SECTIONS COMPLYING WITH OTHER STANDARDS UNLESS APPROVED BY THE ENGINEER.
- 5.3 UNLESS OTHERWISE SPECIFIED, ALL STRUCTURAL STEEL MEMBERS AND ALL STRUCTURAL HOLLOW SECTION SHALL COMPLY WITH BS EN 10025:1993 AND BS EN 10210 PART 1 AND PART 2 RESPECTIVELY.

- 5.3.1 HOLLOW SECTIONS :GRADE S355J0H OR EQUIVALENT
- 5.3.2 SECTIONS OTHER THAN HOLLOW SECTIONS :GRADE S355J0 OR EQUIVALENT
- 5.3.3 PLATES FOR STRUCTURAL ELEMENTS :GRADE S355J0 OR EQUIVALENT
- 5.3.4 PLATES FOR NONSTRUCTURAL ELEMENT :GRADE S355J0 OR EQUIVALENT
- 5.3.5 CONNECTION BOLTS :STAINLESS STEEL GRADE A4-80(BS EN ISO 3506-1 & 2)

- 5.4 IN ACCORDANCE WITH BS EN 10025:1993, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE NOTCH TOUGHNESS AND THE CHAPPY IMPACT REQUIREMENTS OF THE STEEL. (1.0. SELECTION OF STEEL SUBGRADE). THE STEEL SHOULD SATISFY THE REQUIREMENTS OF CLAUSE 2.4.4 OF BS 5950 PART 1 : 1990 BASED ON A MINIMUM TEMPERATURE OF 10° C.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE STEEL HAS ADEQUATE THROUGH THICKNESS PROPERTIES TO SATISFY THE THROUGH THICKNESS PROPERTIES AND WELDING SEQUENCE THAT THE MATERIAL, AT OR ADJACENT TO WELDED LOCATIONS, IS FREE OF LAMINATIONS CENTERLINE SEGREGATION OR OTHER CRACK LINE INDICATIONS ON COMPLETION OF WELDING. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE QUALITY CLASS OF STEEL WITH ENHANCED THROUGH THICKNESS PROPERTIES (EN 10164) WHICH MAY BE REQUIRED COMPATIBLE WITH HIS CHOSEN METHOD OF WORKING.

NOT LESS THAN THREE WEEKS PRIOR TO ORDERING THE STEEL, THE CONTRACTOR SHOULD SUBMIT A REPORT FOR REVIEW, WHICH DOCUMENTS THE SUBGRADE SELECTION AND THE STRATEGY (MATERIAL SELECTION, WELDING PROCEDURE AND INSPECTION) WHICH WOULD BE IMPLEMENTED FOR CONTROLLING THE THROUGH THICKNESS STRESS DURING WELDING AND ENSURING THAT THE ABOVE CRITERIA ARE SATISFIED.

- 5.5 STAINLESS STEEL SHALL COMPLY WITH THE STANDARDS AS STIPULATED IN THE SPECIFICATIONS
- 5.6 ALL STAINLESS STEEL BOLTS AND RETAINING SCREWS SHALL BE GRADE A4-80 STAINLESS STEEL TO BS EN ISO 3506-1 & 2 WITH COMPATIBLE STAINLESS STEEL WASHERS, A NYLON OR OTHER APPROVED PLASTIC WASHER IS TO BE PROVIDED BETWEEN THE SURFACES OF ANY DIFFERENT METAL SUCH AS ALUMINIUM ALLOY, STAINLESS STEEL AND GALVANIZED STEEL.
- 5.7 UNLESS OTHERWISE SPECIFIED IN THE DRAWINGS, ALL FASTENERS SHALL BE STAINLESS STEEL BOLTS OR HSFG BOLTS AS APPROVED BY THE ENGINEER. HSFG BOLTS SHALL BE PROTECTED WITH ELECTROPLATED ZINC PLATE FOR THE BOLTS AND CADMIUM PLATE FOR THE NUTS TO BS 3382.
- 5.8 THE DIAMETER OF A BOLT HOLE SHALL BE 2mm LARGER THAN THE NOMINAL DIAMETER OF THE BOLT, UNLESS SHOWN OTHERWISE.
- 5.9 THE THREAD OF ALL RETAINING (BOLTS WITHOUT NUTS) SHOULD BE COATED WITH AN EPOXY RESIN ADHESIVE IMMEDIATELY PRIOR TO TIGHTENING. MANUFACTURERS DETAILS OF THE ADHESIVE SHOULD BE AGREED WITH THE ENGINEER.
- 5.10 AT SLOTTED HOLE CONNECTIONS EITHER SELF LOCKING NUTS SHOULD BE USED OR THE BOLTS NUTS SHOULD BE COATED WITH EPOXY RESIN ADHESIVE IMMEDIATELY PRIOR TO TIGHTENING.
- 5.11 ALL WELDING SHALL BE CARRIED OUT BY CERTIFIED WELDERS AS DESCRIBED IN THE SPECIFICATION.
- 5.12 WELDING FOR CARBON MANGANESE STEEL SHALL COMPLY WITH BS EN 1011-1:1998 AND BS EN 1011-2:2001 CONTINUOUS FILLET WELD SHALL BE USED 6mm UNLESS OTHERWISE SPECIFIED. WELD SHALL BE GRADE E51 ELECTRODES WITH CAPACITY OF 255N/mm.
- 5.13 THE SYMBOLS FOR WELDING ARE IN ACCORDANCE WITH BS EN 13622.
- 5.14 BUTT WELDS ARE TO BE COMPLETED PENETRATION WELDS PRODUCED BY METHODS APPROVED BY THE ENGINEER AFTER DEMONSTRATION AT PROCEDURE TRIALS.
- 5.15 WELDING CONSUMABLES SHOULD PRODUCE DEPOSITED WELD METAL HAVING MECHANICAL PROPERTIES NOT INFERIOR THE MINIMA OF THE PARENT METAL.
- 5.16 TOLERANCES ARE IN ACCORDANCE WITH THE SPECIFICATION.
- 5.17 THE CONTRACTOR SHOULD BE RESPONSIBLE FOR THE PROVISION OF ALL PACKING TO ACHIEVE ADEQUATE TOLERANCE AT THE CONNECTIONS.
- 5.18 STEELWORK IS CORROSION PROTECTED AS DESCRIBED IN THE SPECIFICATION.
- 5.19 CORROSION PROTECTION IS APPLIED TO THE INSIDE SURFACES OF ALL HOLES.
- 5.20 DETAILS OF PAINT ARE USED SHOULD BE APPROVED BY THE ENGINEER PRIOR TO APPLICATION TO THE STEELWORK.
- 5.21 STEEL WHICH IS CAST-IN SHOULD REMAIN UNPAINTED. THE STEEL SHOULD BE BLAST CLEANED (EITHER PRIOR TO OR AFTER FABRICATION) TO THE STANDARDS AS STIPULATED IN THE SPECIFICATIONS.
- 5.22 IMMEDIATELY PRIOR TO ERECTION ALL STEELWORK SHOULD BE SPRAY WASHED WITH WATER AND DETERGENT, THEN SPRAY RINSED WITH CLEAN WATER.

**PRECAST CONCRETE BLOCK:**

- 6.1 PRECAST CONCRETE BLOCKS SHALL BE REINFORCED WITH STEEL FABRIC TO B.S. 4483 TYPE A 393 ON ALL SIDES.
- 6.2 PRECAST CONCRETE BLOCKS SHALL BE SET ON GROUND WITH AN ALLOWABLE BEARING CAPACITY GREATER THAN 350 kPa UNLESS PERMITTED BY THE ENGINEER. PLATE LOAD TESTS SHALL BE CARRIED OUT TO VERIFY THE SOIL BEARING CAPACITY TO THE SATISFACTION OF THE ENGINEER.
- 6.3 THE CONTRACTOR SHALL DESIGN AND PROVIDE THE LIFTING EYES TO THE PRECAST CONCRETE BLOCK. THE DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

**EXTERIOR DESIGN OF HOARDING:**

- 7.1 PURSUANT TO THE PARTICULAR SPECIFICATION, THE CONTRACTOR SHALL PROVIDE 3 ALTERNATIVE OPTIONS OF AESTHETIC PROFESSIONAL GRAPHIC DESIGNS FOR THE SPECIAL HOARDING.

**SPECIAL HOARDINGS:**

- 8.1. FOR STANDARD HOARDINGS, DETAILS SHALL BE REFERRED TO HyD STANDARD DRAWINGS H6110 AND H6111.
- 8.2. FOR SPECIAL HOARDING, REFER TO DRAWINGS 60095653/IEC/1312-1314.
  - A. THE SPECIAL HOARDING, SHALL BE ERECTED UP TO THE BRIDGE DECK SOFFIT OF THE EXISTING ISLAND EASTERN CORRIDOR, LEAVING 300mm (MAX.) BETWEEN THE DECK SOFFIT AND THE TOP OF HOARDING.
  - B. ALL FRAME WORKS OF THE SPECIAL HOARDINGS SHALL BE GRADE S355J0 TO EN 10025 AND PAINTED WITH PAINT SYSTEM A STATED IN CLAUSE 18.63 OF G.S. 2006.



**NOTE:**

- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DNG. NO. 60095653/IEC/1301 & 1302 AND 1312-1314.

A	WORKING DRAWING	ALCF	BCC	DEC 10
-	TENDER DRAWING	ALCF	BCC	MAY 10
REV.	DESCRIPTION	REV.	DATE	
01	內容變更	01	2010/05/25	

Highways Department 路政署  
Major Works Project Management Office

CENTRAL - WAN CHAI BYPASS AND IEC LINK

PWP ITEM NO. 579 TH  
工務計劃項目編號

CENTRAL - WAN CHAI BYPASS - TUNNEL (NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK

**GENERAL NOTES FOR SPECIAL HOARDING**

**AECOM**

DRG.NO. 60095653/IEC/1311A  
圖紙編號

DESIGNED BY ALCF	CONTRACT NO. HY/2009/19	P. DIR. APPROVED C.W.
DRAWN BY YMZ	STATUS 審核	<b>WORKING DRAWING</b>

SCALE 1:1  
DIMENSIONS ARE IN MILLIMETRES

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俊和-中國中鐵-中鐵大橋局聯營  
CHUN WO - CRGL - MBEC JOINT VENTURE

## **LANDSCAPE PLAN**

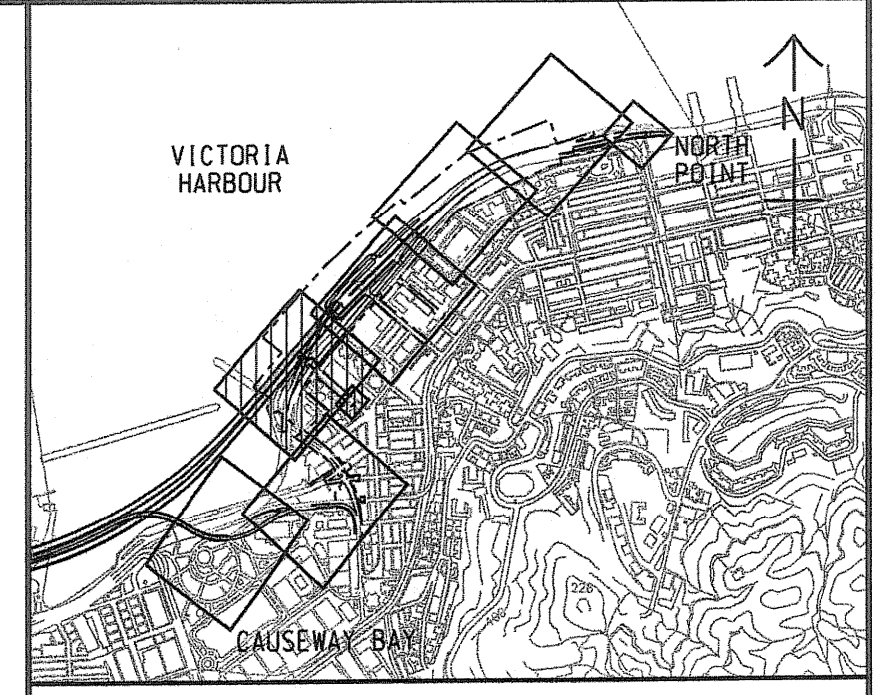
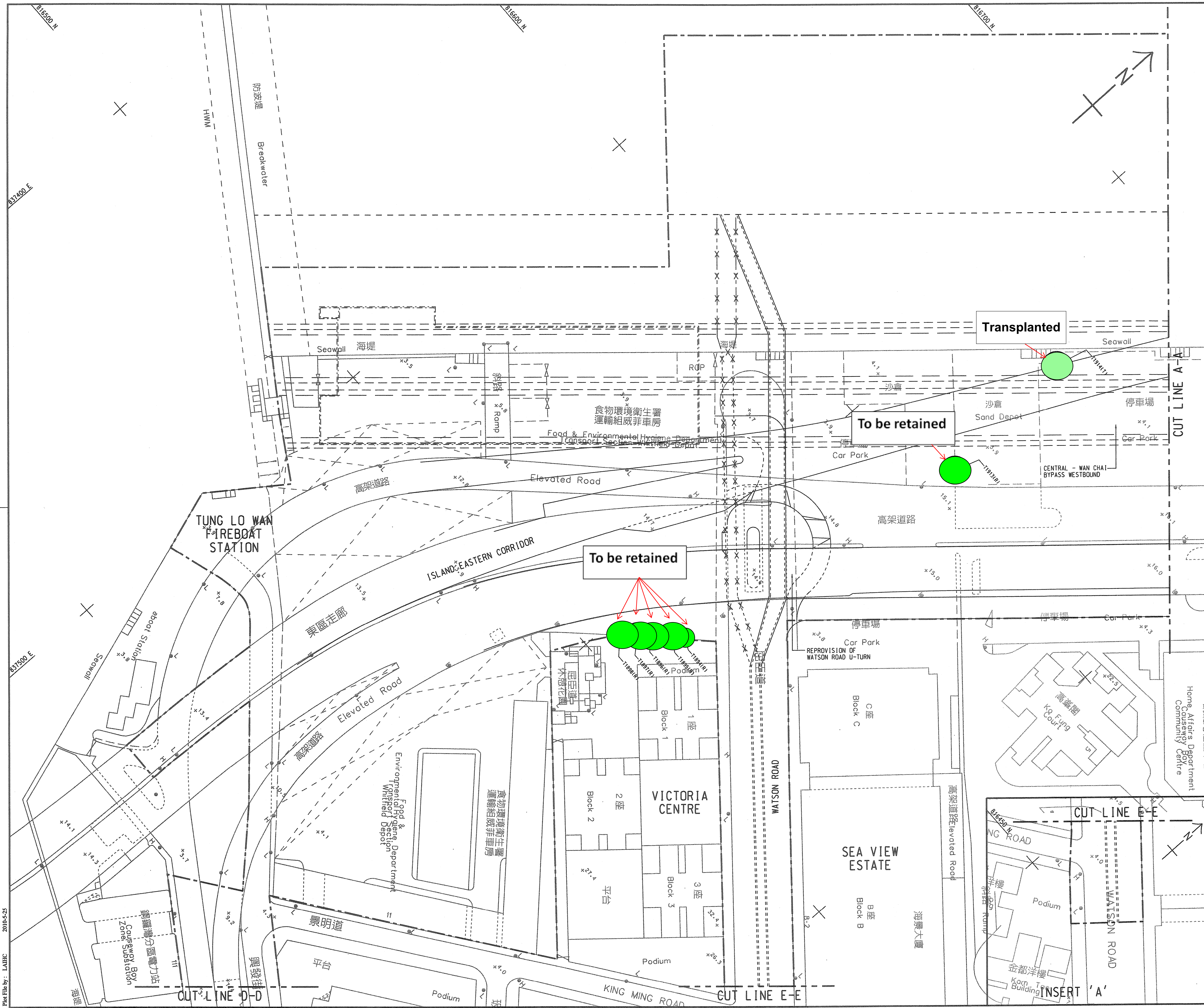
**FOR**

**Contract No.: HY/2009/19**

**Central – Wan Chai Bypass  
Tunnel (North Point Section)  
and  
Island Eastern Corridor Link**

### **Appendix E**

**Location Plan of Trees to Retain / Transplant**



**KEY PLAN**  
SCALE A1 1 : 20000  
A3 1 : 40000

- NOTES:**
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWINGS NO. 60095653/IEC/9002 TO 9006.
  2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
  3. ALL LEVELS ARE IN METRES AND REFER TO PRINCIPAL DATUM.
  4. ALL CO-ORDINATES ARE IN ACCORDANCE WITH HK(1980) GAUSS CO-ORDINATE SYSTEM.
  5. DETAILS INCLUDING DIMENSIONS, LEVELS, DESCRIPTIONS, LOCATIONS, ETC. GIVEN FOR EXISTING ROADS, FOOTPATHS, BRIDGE STRUCTURE ARE INDICATIVE ONLY. THE CONTRACTOR SHALL VERIFY THE ACTUAL EXISTING DETAILS ON SITE.
  6. TREES THAT ARE NOT AFFECTED BY THE PROJECT ARE NOT SHOWN FOR CLARITY.

- LEGEND:**
- T1140(R) EXISTING TREE TO BE RETAINED
  - T1221(F) EXISTING TREE TO BE FELLED
  - T1498(T) EXISTING TREE TO BE TRANSPLANTED
  - F/P FOOTPATH
  - A/M AMENITY AREA

REV	DESCRIPTION	DATE
-	TENDER DRAWING	ALCF/BCC MAY 10

**Highways Department 路政署**  
**Major Works Project Management Office**

**CENTRAL - WAN CHAI BYPASS AND IEC LINK**

**PWP ITEM NO. 579 TH**  
工務計劃項目編號

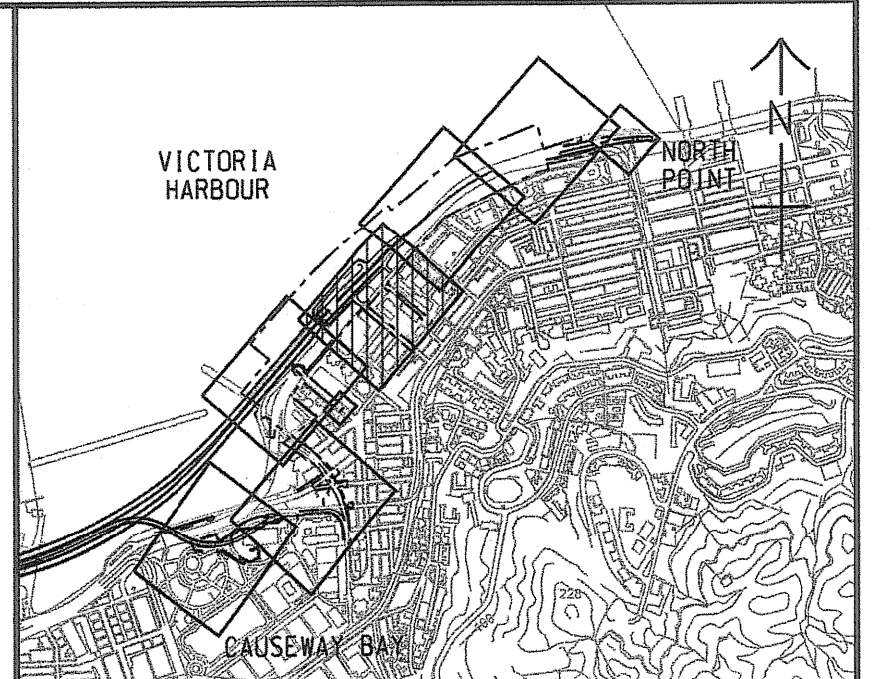
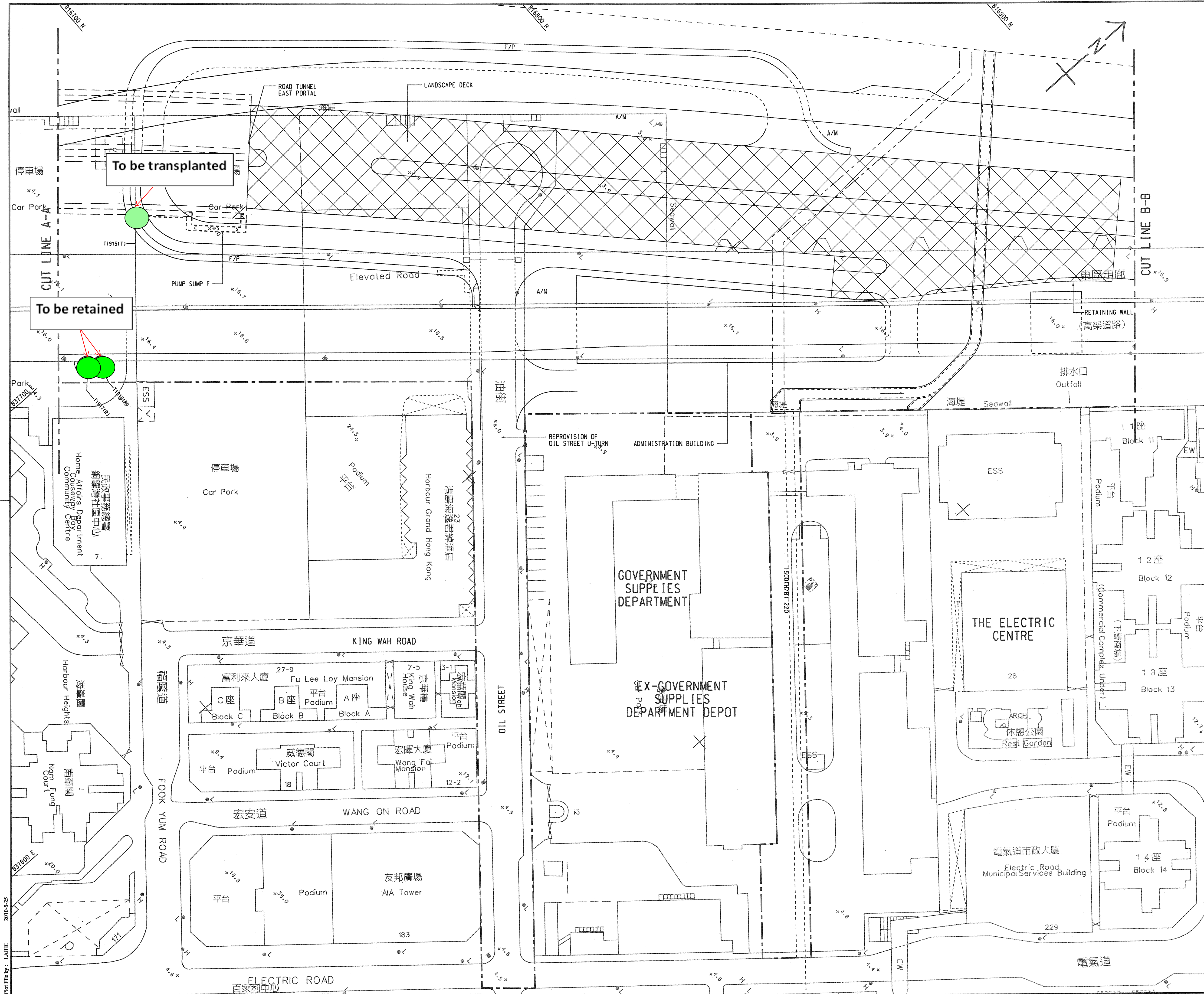
CENTRAL - WAN CHAI BYPASS - TUNNEL (NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK  
**TREE PRESERVATION TRANSPLANTING AND FELLING PLAN**  
SHEET 1 OF 6

**AECOM**

DRGNO. 60095653/IEC/9001  
圖紙編號

DESIGNED BY ALCF	CONTRACT NO. HY/2009/19	P. Dir. APPROVED CM
DRAWN BY WYP	STATUS	
SCALE A1 1 : 500 A3 1 : 1000		
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Plot File by: LAIBC 2010-5-25



**KEY PLAN**

SCALE A1 1 : 20000  
A3 1 : 40000

**NOTES:**

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWINGS NO. 60095653/IEC/9001, 9003 TO 9006.
2. FOR NOTES AND LEGEND REFER TO DRG. NO. 60095653/IEC/9001.

REV.	DESCRIPTION	DATE
-	TENDER DRAWING	ALC/BCC MAY 10

Highways Department 路政署  
Major Works Project Management Office

CENTRAL - WAN CHAI BYPASS AND IEC LINK

PWP ITEM NO. **579 TH**  
工務計劃項目編號

CENTRAL - WAN CHAI BYPASS - TUNNEL (NORTH POINT SECTION) AND ISLAND EASTERN CORRIDOR LINK  
**TREE PRESERVATION TRANSPLANTING AND FELLING PLAN**  
SHEET 2 OF 6



DRG. NO. 60095653/IEC/9002  
圖紙編號

DESIGNED BY ALCF	CONTRACT NO. HY/2009/19	APPROVED BY CW
DRAWN BY WYP	STATUS 擬定	
SCALE A1 1 : 500 A3 1 : 1000	DIMENSIONS ARE IN METRES	

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Plot File by: LAHC 2010-525