



中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

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

Landscape Plan under condition 2.24 of FEP- 07/356/2009

Revision: 4

September 2014

Prepared by: Environmental Officer	C. M Wong	Date: 13 September 2014
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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 contract requirement, Condition 2.24 of Environmental Permit No. EP-356/2009 and Condition 2.24 of Further Environmental Permit No. FEP-07/356/2009

2.0 Scope of Works under Further Environmental Permit No. FEP-07/356/2009

The scope of works mainly includes:

- Temporary reclamation works of around 3 ha in size including associated dredging works at CBTS; and
- Removal of the temporary reclamation after the construction of the Trunk Road; and reinstatement of CBTS

Existing tree (Tree no. T690) which adjacent to the proposed hoarding near the pedestrian footbridge transplanted prior commencement of hoarding works. Tree was being transplanted into off-site nursery compound. Further details of transplanted tree and tree progress report shall be referred to Landscape plan under FEP-10/364/2009/B. Photos of the transplanted tree (Tree no. T690), please refers to **Appendix D** and the permanent transplanted location of the tree (Tree no. T690), please refers to **Appendix E**.

3.0 Landscape Mitigation Measures

The proposed landscape mitigation measure during construction phase for HY/2010/08, but not limited to, is listed as below (reference is taken from Table 10.5 of EIA Report):

ID No.	Landscape and Visual Mitigation Measures
CM 1	Topsoil, where identified, should be stripped and stored for re-use in the construction of the soft landscape works, where practical.
CM 2	Existing trees to be retained on site should be carefully protected during construction.
CM 3	Trees unavoidable affected by the works should be transplanted where practical
CM 4	Compensatory tree planting should be provided to compensate for felled trees.
CM 5	Control of night-time lighting
CM 6	Erection of decorative screen hoarding compatible with the surrounding setting.

The proposed landscape mitigation measures focus to the marine based works area during construction phase for HY/2010/08, but not limited to, is listed as below:

a. Control of night-time lighting

Appendix A shows the site layout of abovementioned Contract and this project commenced on Mar 2013 and the anticipated completion date would be mid of 2017.

b. Erection of site hoarding

Location of hoarding interface with pedestrian walkway of Victoria Park Road, please refers to **Appendix C**.

4.0 Identified Visual Sensitive Receivers (VSRs)

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

- C/R7 (*Miami Mansion*);
- C/R8 (*Marco Polo Mansion*);
- C/R9 (*Victoria Park Mansion*);
- C/R10 (*Chesterfield Mansion*);
- C/R11 (*Greenfield Mansion*);
- C/R12 (*Properties fronting Causeway Road*);
- C/R13 (*Park Towers*);
- C/R14 (*Viking Garden*);
- C/R15 (*50 -52 Hing Fat Street*);
- C/R16 (*Mayson Garden Building*);
- C/R17 (*Garden House*);
- C/R18 (*Belle House*);
- C33 (*The Park Lane Hotel*);
- C34 (*Windsor House*);
- C35 (*19 – 31 Yee Wo Street*);
- C36 (*Citicorp Centre*);
- C37 (*Victoria Centre*);
- G/C 8 (*Queen’s College*);
- G/C 9 (*Hing Fat Street Post Office*);
- O8 (*Victoria Park*) and
- R1 (*Residential Properties fronting Tung Lo Wan Road Harbour Heights*).

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

5.0 Sources of Night-time Lighting Impacts

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

- Site investigations;
- Dredging and reclamation works;
- Construction of seawalls;
- Temporary Traffic Attenuation (TTA);
- Wind-solar powered pole lighting or other lighting devices at the entrance of site and site sub-offices;
- Signal sensor light from yellow marker buoys used to indicate the marine based site area extending from the working vessels; and
- Signal sensor / flashing lights which are laid to mark the extent of the silt curtain.

6.0 Control of Night-time Lighting

Control Measures

- a. In terms of planning prior works, any night-time works would be planned and adopted to minimize the use of unnatural lighting;
- b. The need of using lighting devices would be carefully assessed based on work task to minimize usage;
- c. Where lighting devices are needed to be operated, the devices would be aimed away from the visual sensitive receivers (VSRs) where necessary.
- d. For all floodlights mounted on the grab dredger, open-bottom barges, tug boats and plant on site would be oriented to open sea and barge where possible.
- e. Signal sensor light would be attached on buoys and silt curtain only for the purpose of ensuring safe navigation.
- f. Wind-solar powered lighting pole, lighting devices of site office, sub-office lighting will be oriented away from VSRs.

7.0 On Site Supervision of Night-time Lighting

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

8.0 Implementation Programme, Maintenance and Management Schedule

Implementation Programme

Mitigation Measures	Location / Period
Control of night time lighting	Entire works area and construction phase involving marine works Tentative schedule: (fourth quarter 2013 to first quarter 2017)
Erection of site hoarding	Location of hoarding interface with pedestrian walkway of Victoria Park Road Tentative schedule: (first quarter 2014 to first quarter 2017)

Maintenance and Management Schedule

Maintenance and Management Schedule
Floodlights shall be checked to ensure that they are controlled to re-position, divert from sensitive receivers where practical.

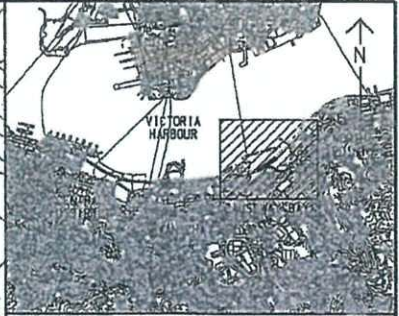
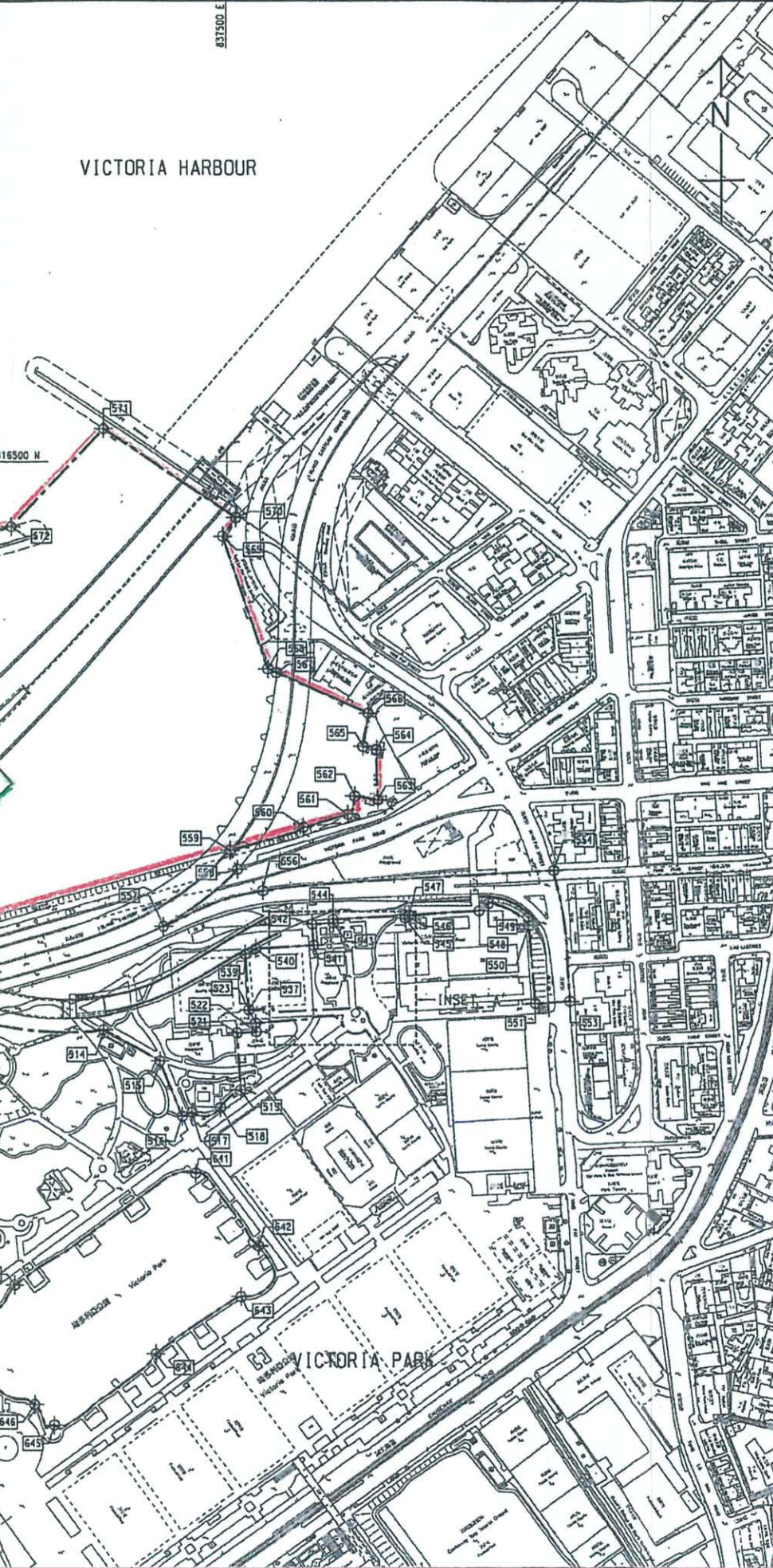
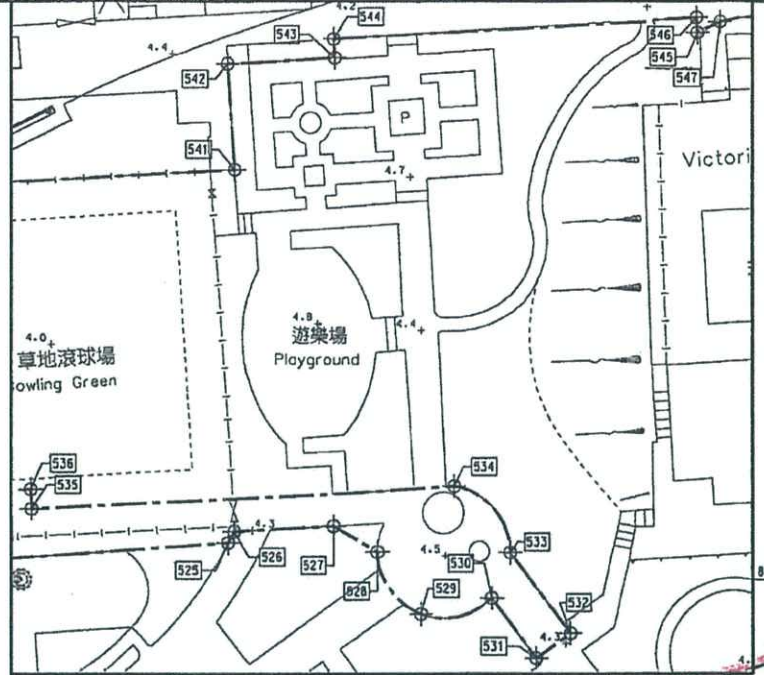


Appendix A

Site Layout Plan

SETTING OUT POINT	COORDINATE	
	EASTING	NORTHING
501	83684.654	816307.053
502	836872.619	816216.508
503	836945.132	816234.375
505	836917.671	815911.415
506	836970.018	815932.954
507	837021.214	815959.576
508	837079.921	816004.859
509	837073.916	816011.852
511	837165.638	816087.100
512	837190.364	816066.670
513	837266.408	816101.801
514	837410.032	816089.928
515	837450.507	816067.349
516	837466.630	816027.453
517	837473.629	816030.282
518	837493.915	816033.802
519	837508.273	816046.332
521	837505.793	816087.606
522	837519.320	816088.530
523	837518.851	816094.820
525	837559.660	816097.721
526	837560.526	816099.355
527	837574.907	816100.135
528	837581.189	816096.430
529	837587.391	816087.496
530	837597.625	816089.774
531	837603.921	816081.148
532	837608.806	816084.714
533	837600.246	816096.314
534	837592.181	816105.802
535	837531.534	816102.607
536	837531.442	816105.401
537	837514.273	816104.428
539	837511.734	816144.714
540	837519.057	816148.795
541	837560.575	816151.097
542	837559.579	816166.316
543	837575.057	816167.209
544	837574.917	816169.930
545	837626.766	816170.783
546	837626.621	816173.030
547	837630.020	816172.310
548	837679.081	816175.812
549	837685.893	816181.330
550	837715.118	816165.153
551	837719.566	816108.737
553	837744.174	816110.151
554	837733.251	816204.909
556	837524.380	816190.704
557	837453.512	816164.827
558	837506.485	816206.018
559	837501.445	816219.760

SETTING OUT POINT	COORDINATE	
	EASTING	NORTHING
560	837553.668	816236.393
561	837585.734	816245.792
562	837590.726	816258.832
563	837607.548	816256.268
564	837606.695	816292.565
565	837596.488	816294.986
566	837600.533	816318.981
567	837534.474	816348.401
568	837528.378	816351.116
569	837496.712	816446.217
570	837506.143	816459.701
571	837410.934	816523.765
572	837344.386	816453.325
575	837041.237	816000.027
576	837036.516	816006.971
577	836974.738	815964.852
578	836976.719	815958.996
639	837323.361	815888.727
640	837345.577	815906.013
641	837475.955	815986.456
642	837520.471	815934.035
643	837507.994	815897.484
644	837446.668	815856.474
645	837373.643	815805.415
646	837359.746	815820.364
647	837322.594	815846.270
648	836912.225	816043.885
649	836955.096	816011.630
650	836904.562	815945.321



LOCATION PLAN
SCALE A3 1 : 50000
A3 1 : 100000

- NOTES:
1. ALL COORDINATES GIVEN ACCORDING TO HONG KONG (1980) GRID IN METERS.
 2. COORDINATES TO BE VERIFIED WITH THE ENGINEER ON SITE.
 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NO. 60095653/T2/1102 AND 1103

LEGEND:

Temporary Reclamation Area
SITE BOUNDARY

SETTING OUT POINT	COORDINATE	
	EASTING	NORTHING
552	813095.694	817117.078
553	813099.429	817078.191
554	813125.333	817107.346
555	813103.658	817126.607
556	813083.936	817118.715
557	813068.906	817132.091
558	813272.658	817273.155
559	813267.320	817276.040
560	813263.643	817276.260
561	813174.315	817221.758
562	813126.969	817198.951
563	813136.310	817222.643
564	813141.945	817243.542
565	813174.898	817247.094
566	813262.526	817301.530
567	813280.714	817278.683
568	834794.531	815337.874
569	834827.583	811489.761
570	834969.773	811499.102
571	835068.314	811388.359
572	835077.993	811225.951
573	834986.804	811108.427
574	834992.939	811082.830
575	834985.709	811073.445
576	834797.852	811030.209
577	834791.050	811058.028
578	834780.743	811078.331
579	834748.106	811170.611
580	834730.947	811395.771
581	834713.773	811464.060
582	834617.598	811103.804
583	834699.994	811126.324
584	834740.857	810940.338
585	834654.505	810921.365

B	WORKING DRAWING	JYHC/RPCM	MAR. 13
A	TENDER ADDENDUM NO. 1	JYHC/RPCM	AUG. 12
-	TENDER DRAWING	JYHC/RPCM	JUL. 12

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
(SLIP ROAD B SECTION)

LIMIT OF SITE BOUNDARY
AND SETTING OUT PLAN

A SHEET 1 OF 3



DRGNO. 60095653/T2/1101 B

DESIGNED BY JYHC CONTRACT NO. HY/2010/08

SCALE A3 1 : 2000
A3 1 : 4000
WORKING DRAWING

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Appendix B

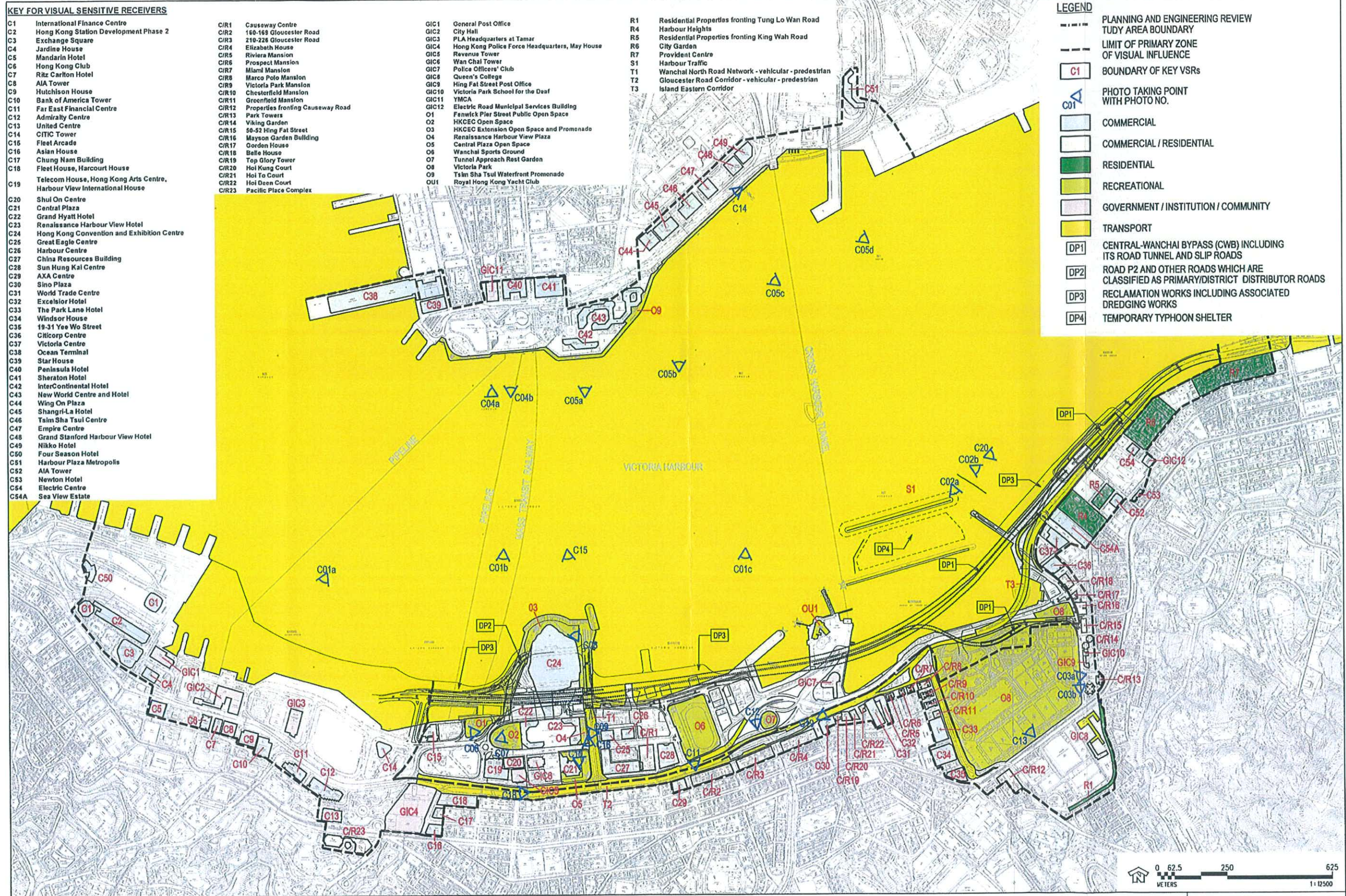
Location Plan of Visual Sensitive Receivers (VSRs)

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 160-168 Gloucester Road | GIC2 City Hall | R4 Harbour Heights |
| C3 Exchange Square | C/R3 210-228 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 Chesterfield 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 Gordon 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 Hol Kung Court | O8 Victoria Park | |
| C21 Central Plaza | C/R21 Hol To Court | O9 Tsim Sha Tsui Waterfront Promenade | |
| C22 Grand Hyatt Hotel | C/R22 Hol Deen 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
- TUDY 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



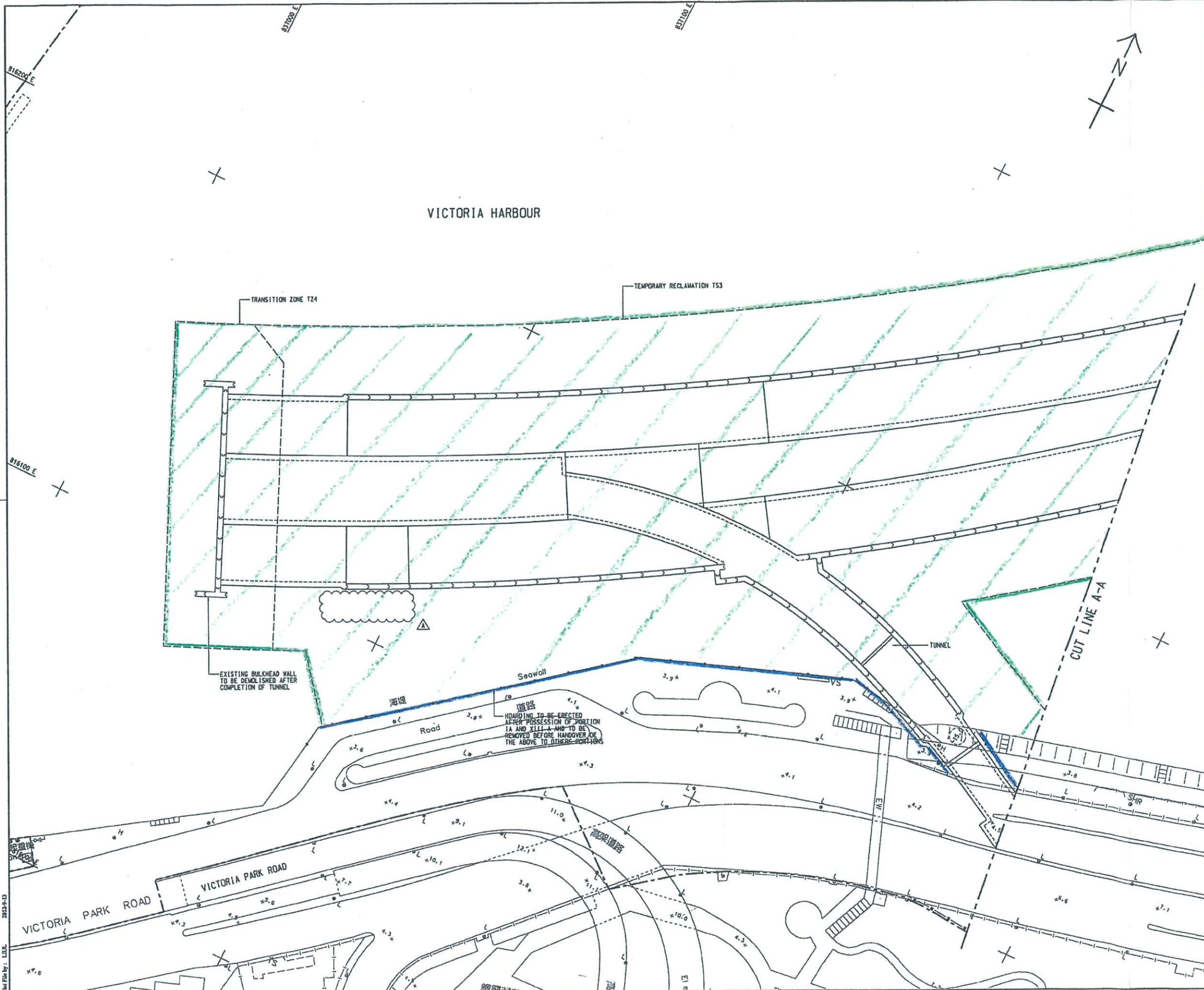
WAN CHAI DEVELOPMENT PHASE II - PLANNING AND ENGINEERING REVIEW

KEY VSRs AND PRIMARY ZONE OF VISUAL INFLUENCE DURING CONSTRUCTION

FIGURE 10.4

Appendix C

Site Hoarding & its graphics



KEY PLAN
SCALE A1 1 : 20000
A3 1 : 40000

- NOTES:
- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NO. 60095653/T2/1272.
 - ALL HOARDING ALIGNMENT/SETTING OUT SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL SUBMIT PROPOSED HOARDING PLANS PHASE BY PHASE SHOWING THE HOARDING INCLUDING STREET FURNITURE, DETAILS OF ANY PROPOSED TEMPORARY VEHICULAR ACCESS, EXISTING TRAFFIC SIGNS OR TRAFFIC PROVISIONS AND EXISTING TREES, AS WELL AS OTHER RELEVANT INFORMATION FOR THE ENGINEER'S AGREEMENT.
 - DETAILS OF THE HOARDING SHALL REFER TO HyD STANDARD DRAWING H6110-H6111.
 - THE REQUIREMENTS OF THE AESTHETIC DESIGN OF THE HOARDING SHALL REFER TO PARTICULAR SPECIFICATION.
 - THE HOARDING ARRANGEMENT AT CONTRACT INTERFACE SHALL BE AGREED WITH OTHER CONTRACTORS.
 - ANY MODIFICATION OF STANDARD DRAWING TO SUIT EXISTING CONDITIONS SHALL BE SUBMITTED TO THE ENGINEER FOR CONSENT.

- LEGEND:
- SITE BOUNDARY
 - TYPE A HOARDING
 - BOUNDARY FOR TEMPORARY RECLAMATION

B	WORKING DRAWING	JYHC/PC/MAR.13
A	TENDER ADDENDUM NO. 2	JYHC/PC/M/SEP.12
-	TENDER DRAWING	JYHC/PC/M/JUL.12
REV.	DESCRIPTION	DATE

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 (SLIP ROAD B SECTION)

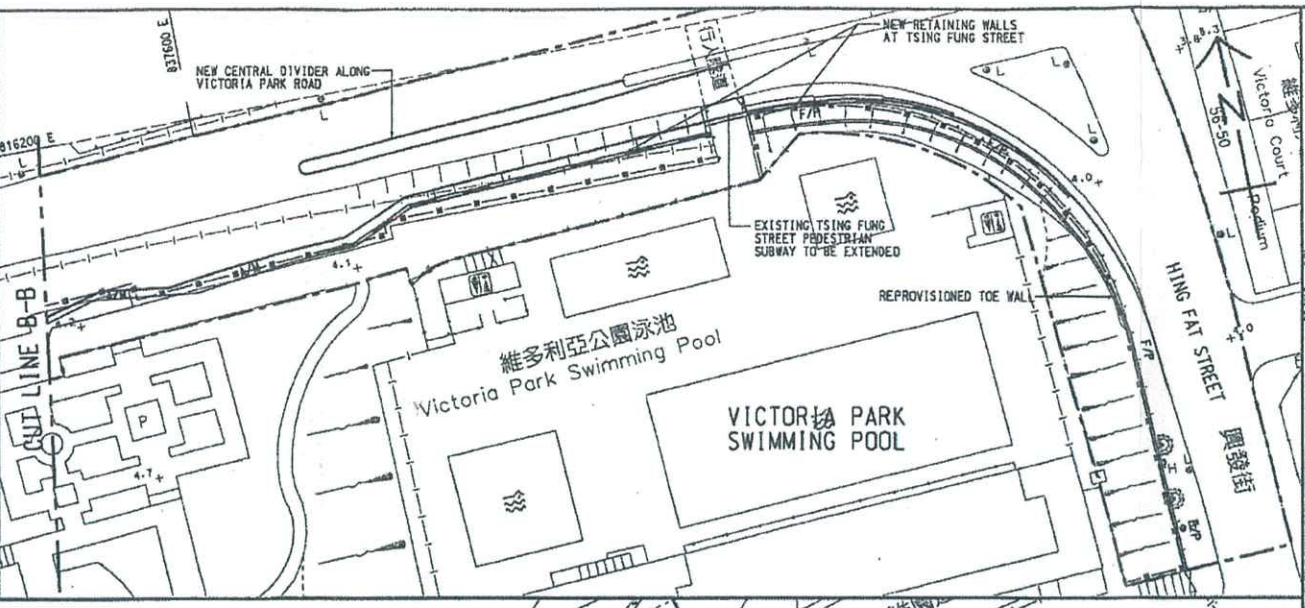
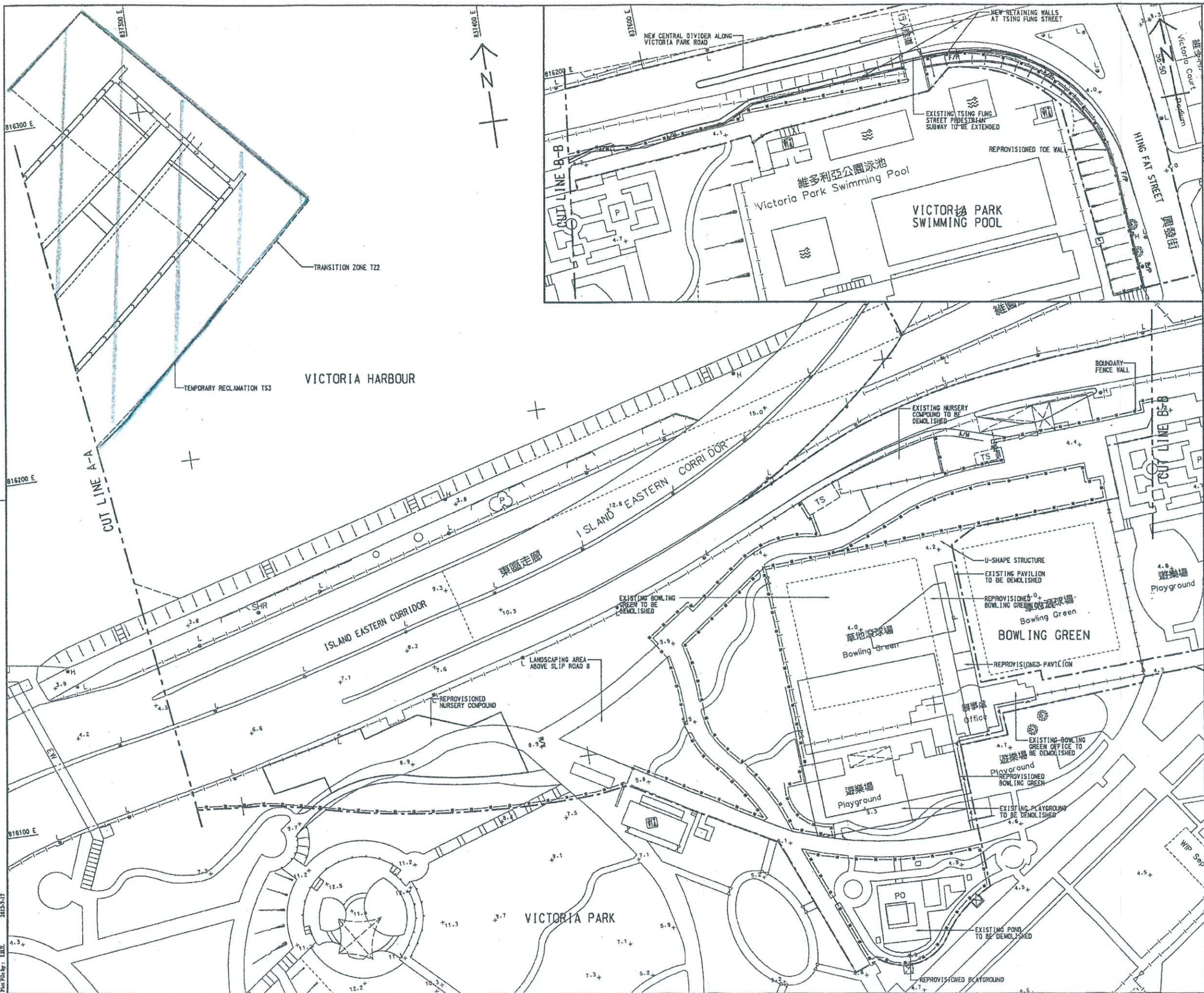
HOARDING PLAN



DRGNO. 60095653/T2/1271 B
圖紙編號

DESIGNED BY JYHC	CONTRACT NO. HY/2010/08	APPROVED BY CWN
DRAWN BY ZNL	SCALE A1 1 : 500 A3 1 : 1000	DATE CWN
WORKING DRAWING		
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2012-13
File No: L1E
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KEY PLAN
SCALE A1 : 20000
A3 : 40000

NOTE:
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60095653/T2/1271.

A	WORKING DRAWING	JYHC	13
-	TENDER DRAWING	JYHC	12

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 (SLIP ROAD B SECTION)

HOARDING PLAN

SHEET 2 OF 2

AECOM

DRG. NO. 60095653/T2/1272 A
圖紙編號

DESIGNED BY JYHC	CONTRACT NO. HY/2010/08	P. BY APPROVED CNY
DRAWN BY ZHL	STATUS WORKING DRAWING	
SCALE A1 1 : 500 A3 1 : 1000	COPYRIGHT RESERVED 版權所有	
ORIENTATION ARE IN METRES		



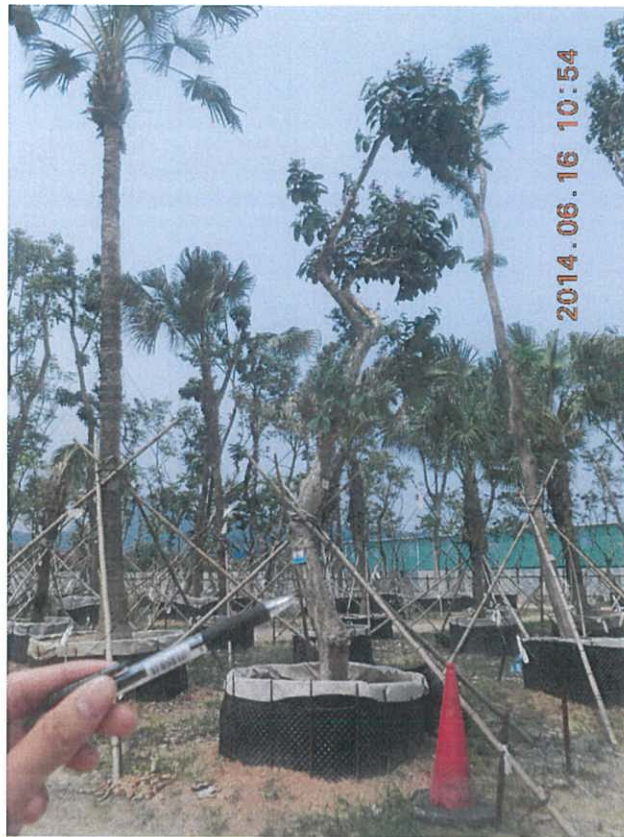
CSCEC_Wanchai-Central-Bypass_SlipRoad8Section_Hoarding_output_22Oct2013





Appendix D

Photos of the transplanted tree (Tree no. T690)



Appendix E

Permanent Transplanted Location (Tree no. T690)

OPEN LAWN IN VICTORIA PARK

T690(T)

T471(T)

T474(T)

T475(T)

T473(T)

T478(T)

T477(T)

REV.	FIRST ISSUED	CHK.	DATE
			-/SEP/14
 路政署 Highways Department 主要工程管理處 Major Works Project Management Office			
AECOM			
CENTRAL-WAN CHAI BYPASS-TUNNEL (SLIP ROAD 8 SECTION)			
TITLE:			
TREE PLANT PLAN FOR T690			
 中國建築工程(香港)有限公司 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.			
DRG. NO. 圖紙編號	CDD VP 0789	REV.	修訂
CONTRACT NO. 合約編號	HY/2010/08	DATE OF ISSUE 發出日期	11/SEP/2014
CHECK BY 覆核	CMW	DRAW BY 繪圖	NTM
SCALE 比例	1 : 250 (A1) 1 : 500 (A3)	STATUS 階段	FOR INFORMATION
DIMENSION ARE IN 單位尺寸	M	PAPER SIZE 圖紙尺寸	A1



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