



Lam Geotechnics Limited

Ground Investigation & Instrumentation Professionals

華益土力有限公司

Ref : G1001/CS/L288/FEP-04/356/2009
Date : 17 February 2011

China State Construction Engineering (Hong Kong) Ltd.
29/F, China Overseas Building,
139 Hennessy Road, Hong Kong

Attn: Mr. K. Y. Leung

Dear Sir,

FEP-04/356/2009
Contract No. HY/2009/15
Central- Wan Chi Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)
Landscape Plan (Revision 0)

Referring to your submission of the captioned plan (Revision 0 dated 17 February 2011) received through email on 17 February 2011, we have reviewed your submitted details and hereby certify this submission in accordance with Condition 2.21 of Further Environmental Permit no. FEP-04/356/2009.

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

Yours faithfully,

Raymond Dai
Environmental Team Leader

c.c. CEDD
HyD
AECOM CWB
AECOM WDII
ENVIRON

- Mr. Patrick Keung (By Fax: 2577 5040)
- Mr. Jones Lai (By Fax 2714 5289)
- Mr. Peter Poon (By Fax: 3529 2829)
- Mr. Frankie Fan (By Fax: 2587 1877)
- Mr. David Yeung (By Fax: 3548 6988)



Ref.: AACWBIECEM00_0_0995L.11

17 February 2011

By Post and Fax (2566 2192)

China State Construction Engineering (Hong Kong) Ltd.
29/F, China Overseas Building
139 Hennessy Road
Hong Kong

Attention: Mr. K. Y. Leung

Dear Sir,

**Re: Contract No. HY/2009/15
Central – Wan Chai Bypass – Tunnel (Causeway Bay Typhoon Shelter
Section)
Landscape Plan (Revision 0)**

Reference is made to your submission of the Landscape Plan (Revision 0 dated 17 February 2011) to us through E-mail on 17 February 2011 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 2.21 of FEP-04/356/2009.

Thank you for your kind attention.

Yours sincerely,



David Yeung
Independent Environmental Checker

c.c.	HyD	Mr. Jones Lai	by fax: 2714 5289
	CEDD	Mr. Patrick Keung	by fax: 2577 5040
	AECOM (CWB)	Mr. Peter Poon	by fax: 3529 2829
	AECOM	Mr. Kelvin Cheng	by fax: 2691 2649
	LAM	Mr. Raymond Dai (ETL)	by fax: 2882 3331

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CONTRACT HY/2009/15

**CENTRAL – WAN CHAI BYPASS
TUNNEL (CAUSEWAY BAY TYPHOON SHELTER SECTION)**

Landscape Plan

Submission Status: For Approval

Revision	Description	Date
0	1 st Submission	17 February 2011

Prepared by:	Kelven Yip		17/02/2011
	Environmental Supervisor	Signature	Date
Checked by	Anna Yu		17/02/2011
	Environmental Officer	Signature	Date
Approved by:	K. Y. Leung		17/02/2011
	Contractor's Representative	Signature	Date

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- 2.0 Landscape Mitigation Measures
- 3.0 Identified Visual Sensitive Receivers
- 4.0 Sources of Night-time Lighting Impacts
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- 6.0 On Site Supervision
- 7.0 Implementation Programme, Maintenance and Management Schedule

APPENDICES

- Appendix A Site Layout Plan
- Appendix B Location Plan of Visual Sensitive Receivers

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 2.21 of Further Environmental Permit No. FEP-04/356/2009.

2.0 Landscape Mitigation Measures

The proposed landscape mitigation measure during construction phase for HY/2009/15, but not limited to, is listed as below:

- a. Control of night-time lighting

3.0 Identified Visual Sensitive Receivers

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

- C/R4 (Elizabeth House);
- C/R5 (Riviera Mansion);
- C/R6 (Prospect Mansion);
- C/R7 (Miami Mansion);
- C/R8 (Marco Polo Mansion);
- C/R9 (Victoria Park Mansion);
- C/R18 (Belle House);
- C32 (Excelsior Hotel);
- C36 (Citicorp Centre); and
- C37 (Victoria Centre).

The above VSRs are mapped in Appendix B.

4.0 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;

- Construction site traffic;
- Wind-solar powered pole lighting or other lighting devices at site offices;
- ¹Signal sensor light on yellow marker buoys which are laid to mark the position of the anchors extending from the working vessels; and
- ²Signal sensor light which are laid to mark the extent of the silt curtain.

5.0 Control of Night-time Lighting

The following measures, but not limited to, would be implemented where practical to minimize impact:

- a. Carefully planning of any night-time work would be 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 where necessary.
- d. For all floodlights mounted on the dredger (grab), the direction of light 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 or site office lighting will be oriented away from VSRs.

6.0 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.

¹ Referring to Marine Department Notice No. 157, 176, 179 & 192 of 2010

² Ditto.

7.0 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: 3 Dec 2010 to 20 Aug 2015)

Maintenance and Management Schedule

Maintenance and Management Schedule
Floodlights shall be checked every night to ensure that they are controlled to divert from sensitive receivers where practical.

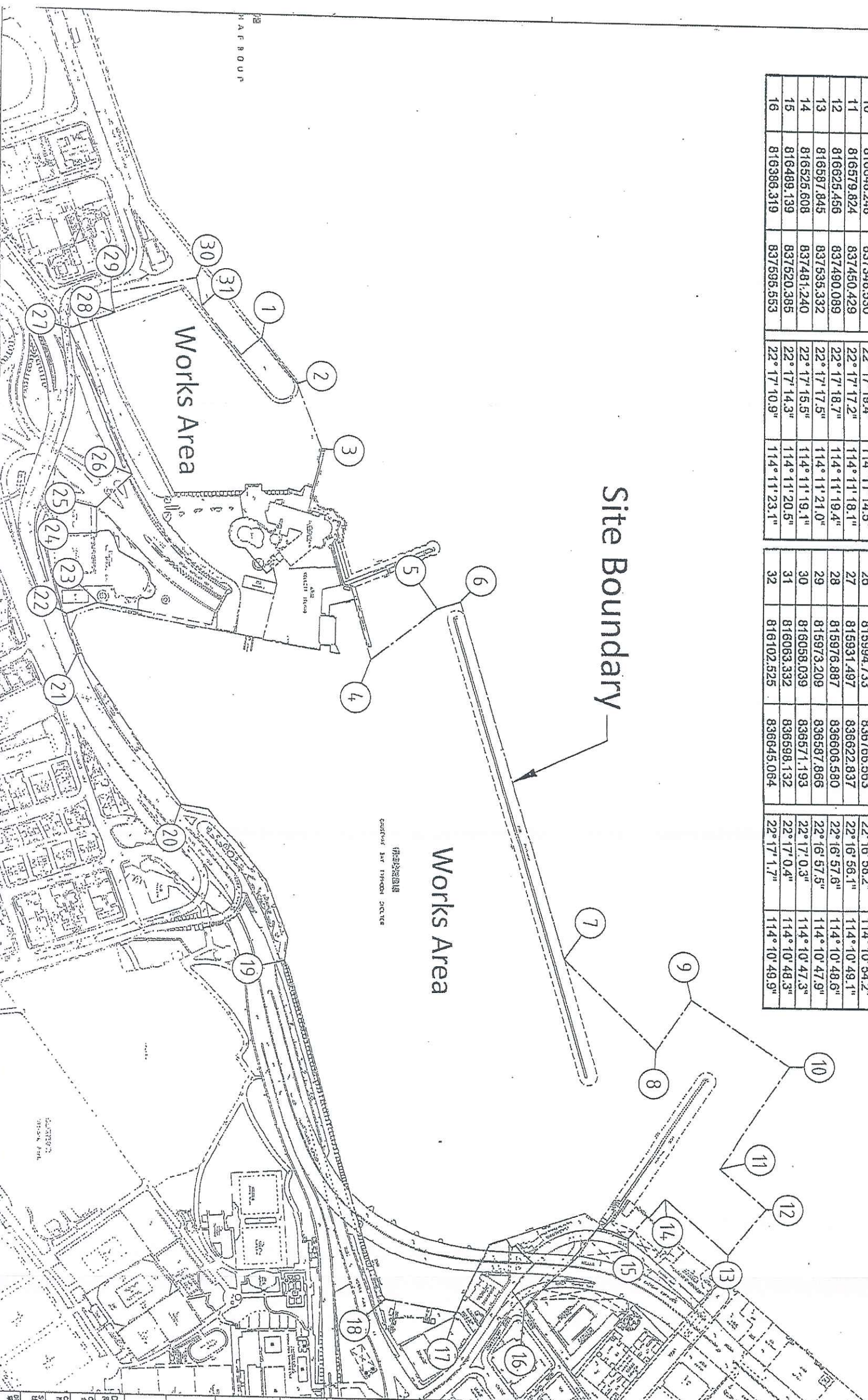


Appendix A

Site Layout Plan

Point	HK 1980 Grid Coordinate	WGS 84 (Deg°MM'SS.S'')
	Northing(m) Easting(m)	Latitude(N) Longitude(E)
1	816123.163 836627.778	22° 17' 2.4" 114° 10' 49.3"
2	816158.294 836672.793	22° 17' 3.5" 114° 10' 50.9"
3	816183.090 836737.200	22° 17' 4.3" 114° 10' 53.1"
4	816233.339 836944.955	22° 17' 6.0" 114° 11' 0.4"
5	816297.883 836893.247	22° 17' 8.1" 114° 10' 58.6"
6	816324.616 836885.404	22° 17' 8.8" 114° 11' 0.8"
7	816424.234 837243.006	22° 17' 12.2" 114° 11' 14.0"
8	816515.377 837333.839	22° 17' 15.1" 114° 11' 14.0"
9	816550.091 837282.247	22° 17' 16.3" 114° 11' 12.2"
10	816648.248 837348.530	22° 17' 19.4" 114° 11' 14.5"
11	816579.824 837450.429	22° 17' 17.2" 114° 11' 18.1"
12	816625.456 837490.089	22° 17' 18.7" 114° 11' 19.4"
13	816597.845 837535.332	22° 17' 17.5" 114° 11' 21.0"
14	816525.608 837481.240	22° 17' 15.5" 114° 11' 19.1"
15	816489.139 837520.385	22° 17' 14.3" 114° 11' 20.5"
16	816386.319 837595.553	22° 17' 10.9" 114° 11' 23.1"

Point	HK 1980 Grid Coordinate	WGS 84 (Deg°MM'SS.S'')
	Northing(m) Easting(m)	Latitude(N) Longitude(E)
17	816318.982 837600.533	22° 17' 8.7" 114° 11' 23.3"
18	816248.756 837588.973	22° 17' 6.5" 114° 11' 22.9"
19	816147.576 837248.874	22° 17' 3.2" 114° 11' 11.0"
20	816044.312 837091.645	22° 16' 59.8" 114° 11' 5.5"
21	815941.724 836945.745	22° 16' 56.5" 114° 11' 0.4"
22	815931.125 836905.152	22° 16' 56.1" 114° 10' 59.0"
23	815961.289 836893.217	22° 16' 57.1" 114° 10' 58.6"
24	815960.075 836824.609	22° 16' 57.1" 114° 10' 58.2"
25	815959.749 836799.530	22° 16' 57.1" 114° 10' 55.3"
26	815994.733 836766.563	22° 16' 58.2" 114° 10' 54.2"
27	815931.497 836622.837	22° 16' 56.1" 114° 10' 49.1"
28	815976.887 836606.580	22° 16' 57.6" 114° 10' 48.6"
29	815973.209 836587.866	22° 16' 57.5" 114° 10' 47.9"
30	816058.039 836571.193	22° 17' 0.3" 114° 10' 47.3"
31	816063.332 836598.132	22° 17' 0.4" 114° 10' 48.3"
32	816102.525 836645.064	22° 17' 1.7" 114° 10' 49.9"



CHINA STATE CONST. ENG. (HK) LTD.
 中國建築工程(香港)有限公司
 中國海外工程總局
 香港中環皇后大道中

CONTRACT NO. HY/2009/15
 PROJECT NAME: CENTRAL-VAN CHAI BYPASS AND IEC LINK

CLIENT: CENTRAL-VAN CHAI BYPASS AND IEC LINK

DESIGNER: AECOM
 (Formerly known as Housset Consultants Asia Ltd.)

PROJECT NO. CWB/MNSK-001

DATE OF ISSUE: 21-09-2010

SCALE: 1:4000
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PROJECT NO. HY/2009/15
 PROJECT NAME: CENTRAL-VAN CHAI BYPASS AND IEC LINK

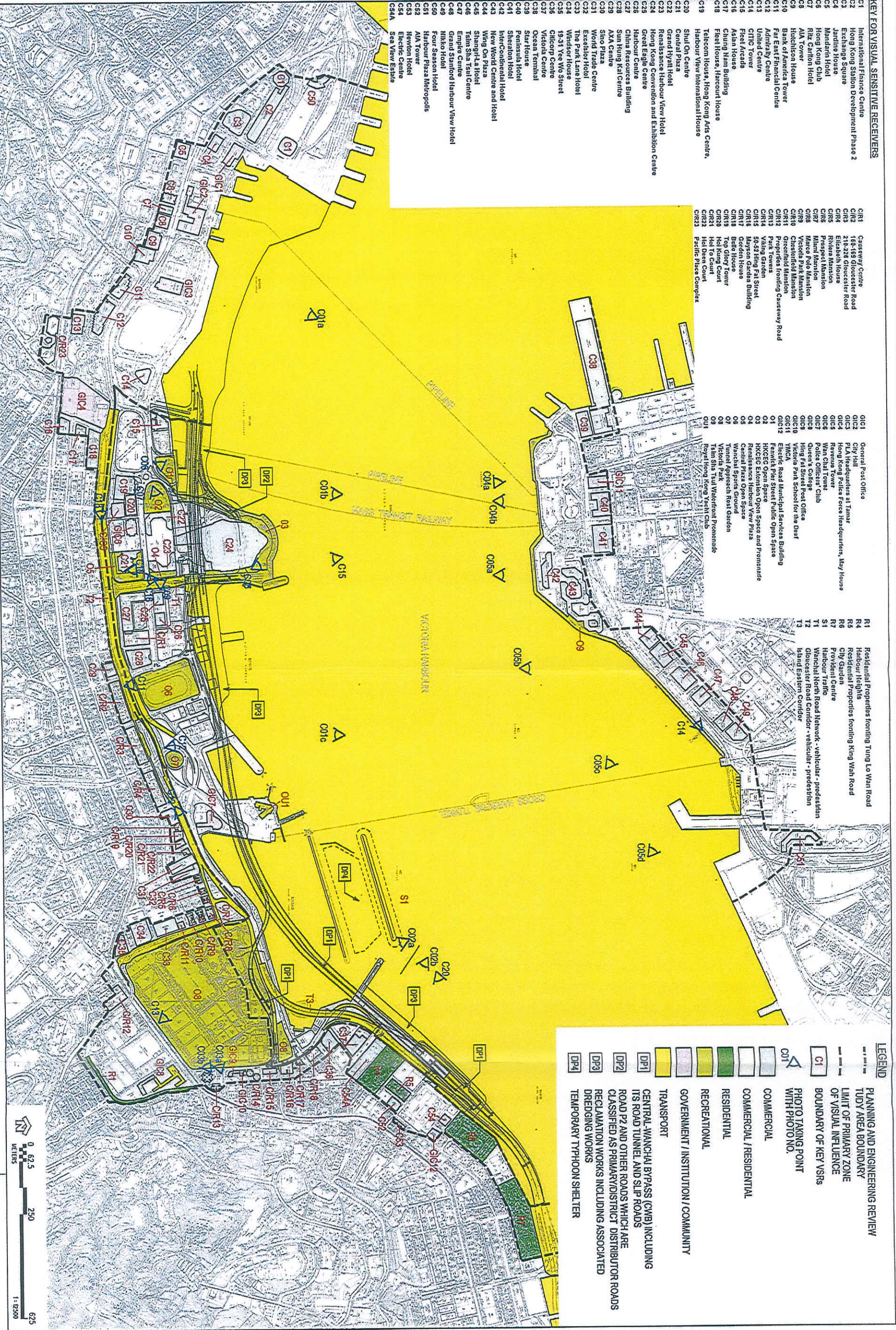


Appendix B

Location Plan of Visual Sensitive Receivers

KEY VSRs AND PRIMARY ZONE OF VISUAL INFLUENCE DURING CONSTRUCTION

WAN CHA DEVELOPMENT PHASE II - PLANNING AND ENGINEERING REVIEW



KEY FOR VISUAL SENSITIVE RECEIVERS

- | | |
|------|--|
| C1 | International Finance Centre |
| C2 | Hong Kong Station Development Phase 2 |
| C3 | Exchange Square |
| C4 | Jardine House |
| C5 | Mandarin Hotel |
| C6 | Hong Kong Club |
| C7 | Ritz Carlton Hotel |
| C8 | ALA Tower |
| C9 | Hutchison House |
| C10 | Bank of America Tower |
| C11 | Far East Financial Centre |
| C12 | Admiralty Centre |
| C13 | United Centre |
| C14 | CITIC Tower |
| C15 | Face Arcade |
| C16 | Aslan House |
| C17 | Chung Nam Building |
| C18 | Filet House, Harcourt House |
| C19 | Telecom House, Hong Kong Arts Centre, Harbour View International House |
| C20 | Shui On Centre |
| C21 | Central Plaza |
| C22 | Grand Hyatt Hotel |
| C23 | Renaissance Harbour View Hotel |
| C24 | Hong Kong Convention and Exhibition Centre |
| C25 | Grand Eagle Centre |
| C26 | Harbour Centre |
| C27 | China Resources Building |
| C28 | Sun King Kai Centre |
| C29 | AXA Centre |
| C30 | Sino Plaza |
| C31 | World Trade Centre |
| C32 | Executive Hotel |
| C33 | The Park Lane Hotel |
| C34 | Windsor House |
| C35 | 19-31 Yeo Street |
| C36 | Citicop Centre |
| C37 | Victoria Centre |
| C38 | Ocean Terminal |
| C39 | Sun House |
| C40 | Seminara Hotel |
| C41 | Sherraton Hotel |
| C42 | Meridien 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 Stairford Harbour View Hotel |
| C49 | Millio Hotel |
| C50 | Four Seasons Hotel |
| C51 | Harbour Plaza Metropolis |
| C52 | ANA Tower |
| C53 | Herndon Hotel |
| C54 | Electric Centre |
| C54A | Sea View Estate |

- | | |
|------|-------------------------|
| CR1 | Carusway Centre |
| CR2 | 218-228 Gloucester Road |
| CR3 | Elizbeth House |
| CR4 | Riverside Mansion |
| CR5 | Prospect Mansion |
| CR6 | Mindal Mansion |
| CR7 | Marco Polo Mansion |
| CR8 | Victoria Park Mansion |
| CR9 | Greenfield Mansion |
| CR10 | Greenfield Mansion |
| CR11 | Prospect Causeway Road |
| CR12 | Yiking Garden |
| CR13 | 60-82 King Fat Street |
| CR14 | Mayson Garden Building |
| CR15 | Garden House |
| CR16 | Belo House |
| CR17 | Top Glory Tower |
| CR18 | Hoi Kong Court |
| CR19 | Hoi Deen Court |
| CR20 | Hoi Deen Court |
| CR21 | Hoi Deen Court |
| CR22 | Hoi Deen Court |
| CR23 | Pacific Place Complex |
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- | | |
|-------|--|
| GIC1 | General Post Office |
| GIC2 | City Hall |
| GIC3 | PLA Headquarters at Tamar |
| GIC4 | Hong Kong Police Force Headquarters, May House |
| GIC5 | Revenue Tower |
| GIC6 | Wan Chai Tower |
| GIC7 | Police Officers' Club |
| GIC8 | Queen's College |
| GIC9 | Hong Kong Police Force Office |
| GIC10 | YMCA |
| GIC11 | YMCA |
| GIC12 | Ying Fong Street Public Open Space |
| O1 | Electric Road Municipal Services Building |
| O2 | HKCEC Open Space |
| O3 | HKCEC Extension Open Space and Promenade |
| O4 | Renaissance Harbour View Plaza |
| O5 | Renaissance Harbour View Plaza |
| O6 | Trenchard Square Open Garden |
| O7 | Victoria Park |
| O8 | Victoria Park |
| O9 | Tsim Sha Tsui Waterfront Promenade |
| O10 | Royal Hong Kong Yacht Club |
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| R1 | Residential Properties fronting Tung Lo Wan Road |
| R2 | Residential Properties fronting King Wah Road |
| R3 | Residential Properties fronting King Wah Road |
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LEGEND

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

0 62.5 250 625
 METERS
 1:12500

FIGURE 10.4