

Contract No. HK/2009/01
Wan Chai Development Phase II
Central – Wan Chai Bypass at Hong Kong Convention and
Exhibition Centre

Silt Screen Deployment Plan

Revision	Date of Issue	Remarks	Author	Approved
0	19 Feb 10	Initial issue	DW	WTH
1	17 Mar 10	Incorporating Comments from ET & IEC	DW	WTH
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1. GENERAL

1.1 Introduction

Prior to the commencement of any dredging and backfilling works in the vicinity of the existing seawater intakes, silt screens have to be installed to protect the intakes.

This deployment plan describes in details the design, method of installation, operation and maintenance of the proposed silt screen.

1.2 Reference Specification and Drawings

- a) General Specification Section 21 & 25
- b) Particular Specification Section 21 & 25
- c) Contract Drawing nos. 60041297/C1/200/1836B, Figure 5 at EP-356/2009

1.3 Construction Plants

The following plants shall be deployed:

- | | |
|-------------------|-------|
| i) Crane Lorry | 1 no. |
| ii) Mobile Crane | 1 no. |
| iii) Motor Sampan | 1 no. |

Adequate resources shall be employed to suit the construction programme.

1.4 Safety

The works shall be carried out in accordance with the Project Safety Plan and shall comply with the requirements of the Marine Department and Labour Department. Specific risk assessment shall be prepared and submitted separately.

2. Silt Screen Design

- 2.1 In general, there are three types of silt screen. Type 1 silt screen is designed for those seawater intakes located on vertical seawalls, i.e. seawater intakes of Telecom House, HK Academy for Performing Arts, Shui On Centre, Wan Chai Tower / Revenue Tower, Immigration Tower, Great Eagle Centre, China Resources Building, Sogo Tsim Sha Tsui, WSD. Type 2 silt screen is designed for seawater intakes of Hong Kong Convention and Exhibition Centre located under the promenade deck. Type 3 silt screen is designed for the submarine seawater intake near Avenue of Stars. Silt screens of either Type 1, Type 2 or Type 3, depending on the actual site condition, will also be installed for WSD saltwater intakes at WSD7 (Kowloon South), WSD19 (Sheung Wan) or any other intakes as highlighted in EP-356/2009 Table 1 and Figure 4 subject to the site instruction from the Engineer. The location plans for Type 1 to 3 silt screens are enclosed in **Appendix A**.
- 2.2 Type 1 silt screen consists of a steel frame and a layer of geotextile screening. The steel frame will be fixed to the vertical seawall by anchor bolts. The geotextile screening will be tied on to the steel frame by nylon ropes and attached to the vertical seawall on both top and bottom sides. A hinged opening will be provided at the top of the steel frame as access for water monitoring inside the silt screen. The layout and general arrangement of Type 1 silt screen is enclosed in **Appendix B**.
- 2.3 Type 2 silt screen consists of a layer of geotextile screening tied on 300mm diameter buoys and extended to the seabed level secured by steel chain ballast. The buoys will be further positioned by nylon ropes tied on existing structures. Type 2 silt screen will be installed underneath the perimeter of the promenade piled deck of the pump house of Hong Kong Convention and Exhibition Centre (HKCEC) Phase I and both ends of the silt screen will be attached to the vertical seawall adjacent to the promenade piled deck. The layout and general arrangement of Type 2 silt screen is enclosed in **Appendix C**. Alternatively, Type 1 silt screen will be installed for the intakes of HKCEC Phase I to replace Type 2 silt screen depending on the actual site condition during the course of the reclamation works.
- 2.4 Type 3 silt screen consists of 2 types of silt screen namely 'standing type' and 'hanging type' combined together. Standing type consists of a

steel frame and a layer of geotextile screening on all 3 sides of the steel frame. The top frame will not be covered by geotextile to allow sufficient flow of water into the intake. The steel frame will be placed to the seabed to surround the seawater intake. The steel frame will be further secured to the seabed by steel cable tied to concrete sinkers. Hanging type is similar to Type 2 silt screen consists of a layer of geotextile screening tied on 300mm diameter buoys and extended to below the top level of the standing type silt screen. The bottom of the hanging type silt screen will be tied to ballast steel chain. The purpose of the hanging type silt screen is to prevent silt from sucking into the intake through the top opening of the standing type silt screen. The layout and general arrangement of Type 3 silt screen is enclosed in **Appendix D**.

- 2.5 Refer **Appendix E** for the specification of the proposed geotextile for Type 1, 2 and 3 silt screens.

3. Silt Screen Installation

3.1 Type 1 Silt Screen

- 3.1.1 Carry out an underwater conditional survey to locate the existing water intakes by divers.
- 3.1.2 Verify the location, depths and sizes of the intake pipes and measure the dimension and position of the silt screen and mountings required.
- 3.1.3 Prefabricate the steel frame with steel mesh for fencing as determined in the previous step.
- 3.1.4 To mitigate the corrosion by seawater, all steel members should be hot-dip galvanized and the plastic coated steel mesh will be use before prefabrication.
- 3.1.5 Fabrication works will follow the layout drawing (See **Appendix B**)
- 3.1.6 A temporary steel working platform will be erected on site for installation of the steel frame.

- 3.1.7 Prefabricate the steel frame with steel mesh for fencing as determined in the previous step.
- 3.1.8 Form the anchor's holes by air drill.
- 3.1.9 The upper steel plate footing with 4nos. anchor bolts will pre-install on the existing seawall.
- 3.1.10 Each steel frame will be separate to two portions for transportation and assembly on site.
- 3.1.11 A crane lorry will be used for lift and fix the steel frame to the location.
- 3.1.12 The top level of the steel frames is approximate +3.00mPD.
- 3.1.13 Use a chain block pulley system to lift the steel frame from the top of the seawall for installation adjustment.
- 3.1.14 Workers fix and weld the steel frame onto the pre-installed steel plates.
- 3.1.15 Workers fix the lower steel plate footings onto the existing seawall using anchor bolts.
- 3.1.16 The geotextile screening with steel chain ballast will be tied on to the steel frame by nylon ropes.
- 3.1.17 The outer silt screen can be removed and replaced during maintenance by workers using a chain block pulley system to lift the screen directly from the water.
- 3.2 Type 2 Silt Screen / Type 3 Silt Screen (Hanging Type)
- 3.2.1 Carry out an underwater condition survey to locate the existing seawater intakes by divers.
- 3.2.2 Verify the location, depths and sizes of the intake pipes and measure the dimension and position of the silt screen and mountings required.

- 3.2.3 Tie the silt screen to the buoys and steel chain ballast before transportation.
- 3.2.4 Transport the silt screen to the location for fixing via a marine pontoon.
- 3.2.5 Workers tie the buoys to the railings of the promenade deck / existing structures with nylon ropes.
- 3.2.6 Put the buoys to the water and then slowly put the silt screen with the steel chain ballast into sea.
- 3.2.7 The silt screen can be removed and replaced during maintenance by workers using a chain block pulley system to lift the screen directly from the water.

3.3 Type 3 Silt Screen (Standing Type)

- 3.3.1 Standing type silt screen shall be installed prior to the installation of hanging type silt screen.
- 3.3.2 Carry out an underwater conditional survey to locate the existing water intakes by divers.
- 3.3.3 Verify the location, depths and sizes of the intake pipes and measure the dimension and position of the silt screen and mountings required.
- 3.3.4 Prefabricate the steel frame with steel mesh for fencing as determined in the previous step.
- 3.3.5 To mitigate the corrosion by seawater, all steel members should be hot-dip galvanized and the plastic coated steel mesh will be use before prefabrication.
- 3.3.6 Fabrication works will follow the layout drawing (See **Appendix D**)
- 3.3.7 Prefabricate the steel frame with steel mesh for fencing as determined in the previous step.

- 3.3.8 A mobile crane will be used for lift and fix the steel frame to the location. Divers will assist the positioning of the silt screen underwater.
- 3.3.9 Place concrete sinkers to the seabed by mobile crane and tie the steel frame to the concrete sinkers with steel cables by divers.
- 3.3.10 The outer silt screen can be removed and replaced during maintenance by divers.

4. Maintenance of Silt Screen

- 4.1 Site supervisors will be assigned to check the condition of the silt screens daily during the course of the marine works. An inspection checklist (see **Appendix G**) will be prepared and filled in by the site supervisors. All checklists will be kept on site for record purpose. Divers will be deployed to check the condition of the Type 3 standing type silt screen regularly.
- 4.2 Nearby marine works will stop immediately if silt screens are found damaged. Type 1 and 2 silt screens will be lifted up from the water by a chain block pulley system, and the damaged outer silt screen will be replaced by workers. Damaged outer silt screen of Type 3 silt screen shall be replaced by divers. Nearby marine works will resume after repairing of the damaged silt screens.
- 4.3 Refuse around the silt screens will be collected at regular intervals on a daily basis so that water behind the silt screens be kept free from floating debris.
- 4.4 Sufficient spare geotextile screening will be kept on site for replacing of damaged silt screens. The spare geotextile screening shall be kept in place to avoid direct contact with water and sunlight.

Appendix A
Location Plan for Type 1 to 3 Silt Screen

Legend (圖例):

- ← - - - ← FUTURE SENSITIVE RECEIVER (AFTER PROJECT COMMISSIONED) 將來的敏感受體 (本項目工程完工後)
- ← - - - ← EXISTING SENSITIVE RECEIVER 現有的敏感受體

COOLING WATER INTAKE 冷卻水入口

- ① HONG KONG CONVENTION AND EXHIBITION CENTRE EXTENSION (香港會議展覽中心新翼)
- ② TELECOM HOUSE / HK ACADEMY FOR PERFORMING / SHUI ON CENTRE (電話大廈 / 香港演藝學院瑞安中心)
- ③ HONG KONG CONVENTION AND EXHIBITION CENTRE PHASE I (香港會議展覽中心第一期)
- ④ WAN CHAI TOWER / REVENUE TOWER / IMMIGRATION TOWER (灣仔政府大廈 / 稅務大樓 / 入境事務大樓)
- ⑤ GREAT EAGLE CENTRE / CHINA RESOURCES BUILDING (鷹君中心 / 華潤大廈)
- ⑥ SUN HUNG KAI CENTRE (新鴻基中心)
- ⑦ PROPOSED EXHIBITION STATION (擬建港鐵會展站)
- ⑧ EXCELSIOR HOTEL & WORLD TRADE CENTRE / NO.27-63 PATERSON STREET (香港怡東酒店 / 世貿中心 / 百德新街 27-63 號)
- ⑨ WINDSOR HOUSE (皇室堡)
- ⑩ PROPOSED HKAPA EXTENSION (擬建香港演藝學院新翼)
- ⑪ CITY GARDEN (城市花園)
- ⑫ PROVIDENT CENTRE (和富中心)

WSD FLUSHING WATER INTAKE (水務署沖廁水入口)

- ⑬ WAN CHAI (灣仔)

REMARK:

EITHER TYPE 1 OR TYPE 2 SILT SCREEN WILL BE INSTALLED FOR INTAKE ③ DEPENDING ON THE ACTUAL SITE CONDITION

PROPOSED SILT SCREEN WILL BE INSTALLED FOR INTAKE:

TYPE 1 SILT SCREEN FOR INTAKE ①, ②, ③, ④, ⑤.

TYPE 2 SILT SCREEN FOR INTAKE ③

①, ②, ③, ④, ⑤.

③



Project Title: Wan Chai Development Phase II and Central-Wan Chai Bypass
 工程項目名稱：灣仔發展計劃第二期及中環灣仔繞道

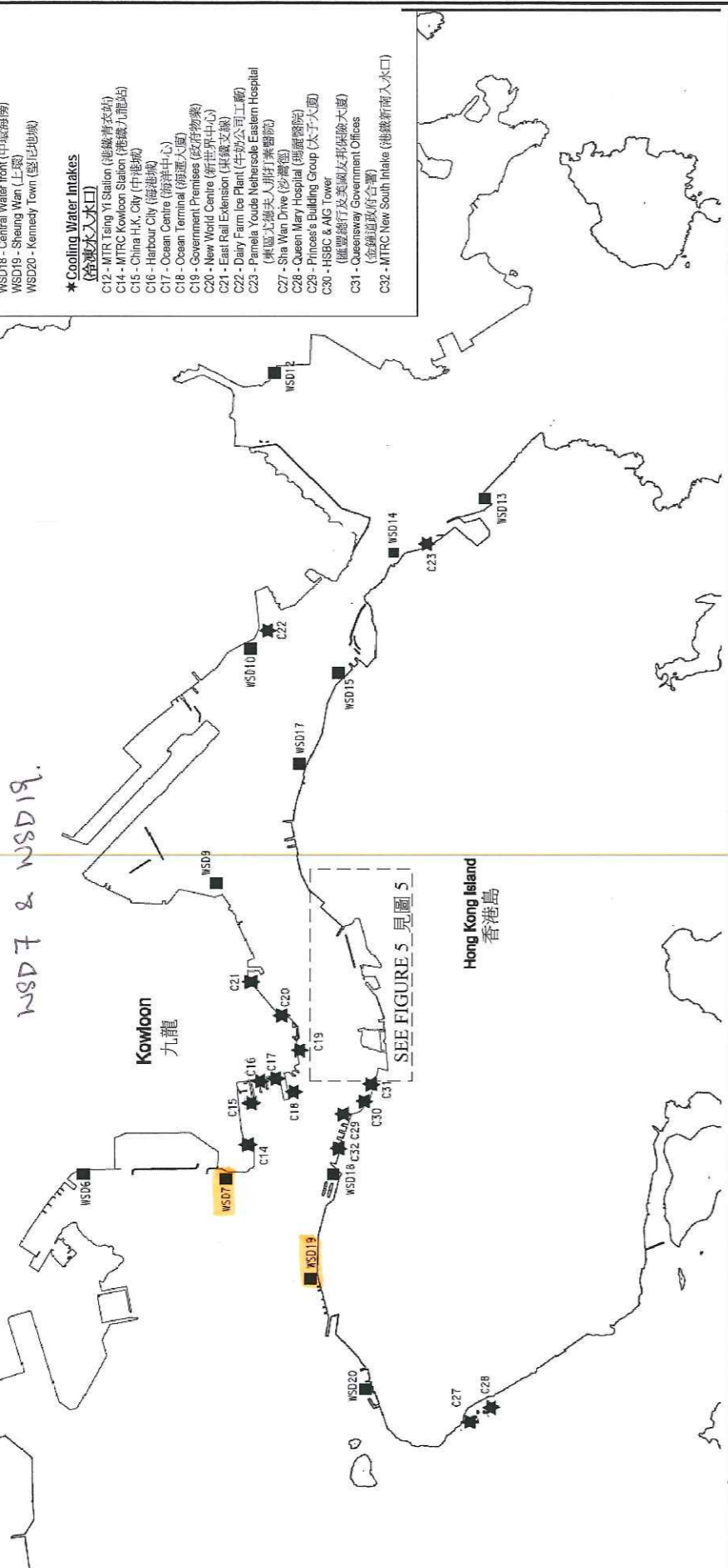
Environmental Permit No.: EP - 356/2009
 環境許可證編號 : EP - 356/2009

Figure 5: Indicative Locations of Seawater Intakes
 圖 5: 海水進水口參考位置圖

(This figure was prepared based on Figure 5.2 of the EIA report (Register No.: AEIAR-125/2008))
 (本圖是根據環境評估報告 (登記冊編號 AEIAR-125/2008) 圖 5.2 編製)



PROPOSED SILT SCREEN SUBJECT TO THE
SITE INSTRUCTION FROM THE ENGINEER WILL
BE INSTALLED FOR WSD SALTWATER INTAKE.
TYPE 1 SILT SCREEN FOR INTAKE
WSD7 & WSD19.



- Legend (圖例):**
- **WSD Flushing Water Intakes (淡水沖水入水口)**
 - WSD5 - Teing Yi (何式)
 - WSD6 - Cheung She Wan (長沙灣)
 - WSD7 - Kowloon South (九龍南)
 - WSD9 - Tai Wan (大環)
 - WSD10 - Cha Kwo Ling (茶果嶺)
 - WSD11 - Tseung Kwan O (將軍澳)
 - WSD12 - Sheung Kwan O (上環)
 - WSD13 - Siu Sai Wan (小西灣)
 - WSD14 - Heng Fa Chuen (恆花窰)
 - WSD15 - Sai Wan Ho (海灣角)
 - WSD17 - Quarry Bay (鵝魚灣)
 - WSD18 - Central Water front (中環海傍)
 - WSD19 - Sheung Wan (上環)
 - WSD20 - Kennedy Town (堅尼地城)

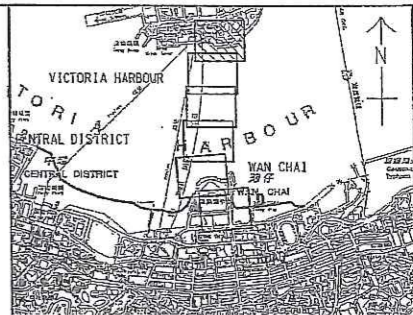
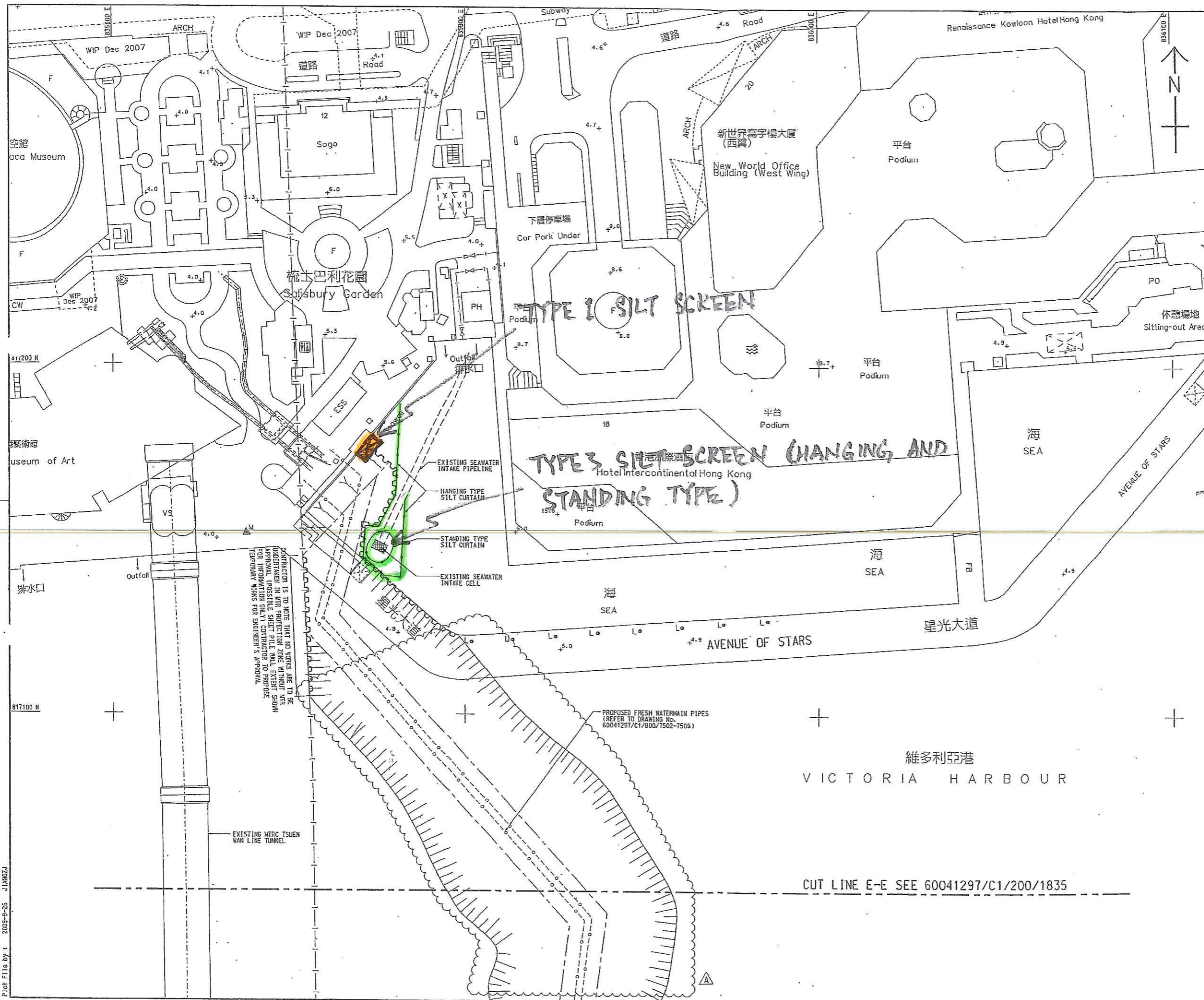
- ★ **Cooling Water Intakes (冷卻水入水口)**
- C12 - MTR Taiing Yi Station (港鐵青衣站)
- C14 - MTRC Kowloon Station (港鐵九龍站)
- C15 - China H.K. City (中港城)
- C16 - Harbour City (海港城)
- C17 - Ocean Centre (海洋中心)
- C18 - Government Premises (政府物業)
- C19 - New World Centre (新世界中心)
- C20 - East Rail Extension (東鐵支線)
- C21 - Dairy Farm Ice Plant (牛奶公司工廠)
- C23 - Pamela Youde Nethersole Eastern Hospital (瑪嘉烈夫人新打素醫院)
- C27 - Sha Wen Drive (沙灣道)
- C28 - Queen Mary Hospital (瑪麗醫院)
- C29 - Princess's Building Group (太子大廈)
- C30 - HSBC & AIG Tower (匯豐銀行及美國友邦保險大廈)
- C31 - Queensway Government Offices (金鐘道政府官署)
- C32 - MTRC New South Inlet (港鐵新南入水口)



Project Title: Wan Chai Development Phase II and Central-Wan Chai Bypass
 工程項目名稱: 灣仔發展計劃第二期及中環灣仔繞道
 Environmental Permit No.: EP - 356/2009
 環境許可證編號: EP - 356/2009

Figure 4: Indicative Location of Seawater Intakes
 圖 4: 海水進水口參考位置圖

(This figure was prepared based on Figure 5.1 of the EIA report (Register No.: AEIAR-125/2008))
 (本圖是根據環境評估報告 (登記冊編號 AEIAR-125/2008) 圖 5.1 編製)



NOTE:
1. REFER TO DRAWING No. 60041297/C1/200/1832 FOR NOTES AND LEGEND.

Chun Wo - Leader Joint Venture
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B	WORKING DRAWING	SHKM JYL	JAN 10
A	TENDER ADDENDUM NO.4	SHKM JYL	SEP 09
-	TENDER DRAWING	SHKM JYL	AUG 09

CEDD 土木工程拓展署
Civil Engineering and Development Department

WAN CHAI DEVELOPMENT PHASE II
WAN CHAI DEVELOPMENT PHASE II - CENTRAL - WAN CHAI BYPASS AT HONG KONG CONVENTION AND EXHIBITION CENTRE

PROPOSED DREDGING PLAN
SHEET 6 OF 6

AECOM

DRG. NO. 60041297/C1/200/1836B

DESIGNED BY AWSY	CONTRACT NO. HK/2009/01	P. E.C. APPROVER PNC
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UNITS METRES		

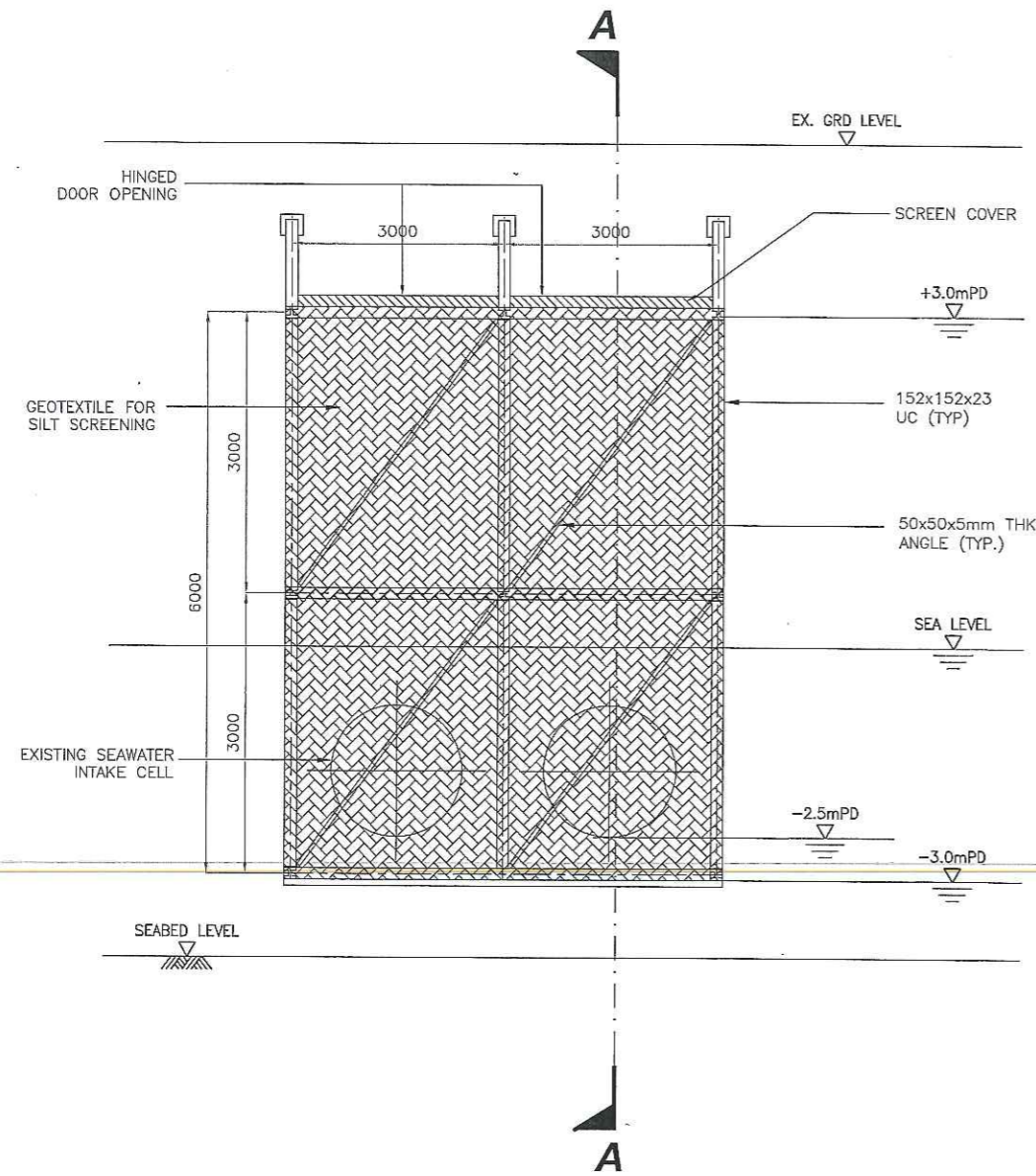
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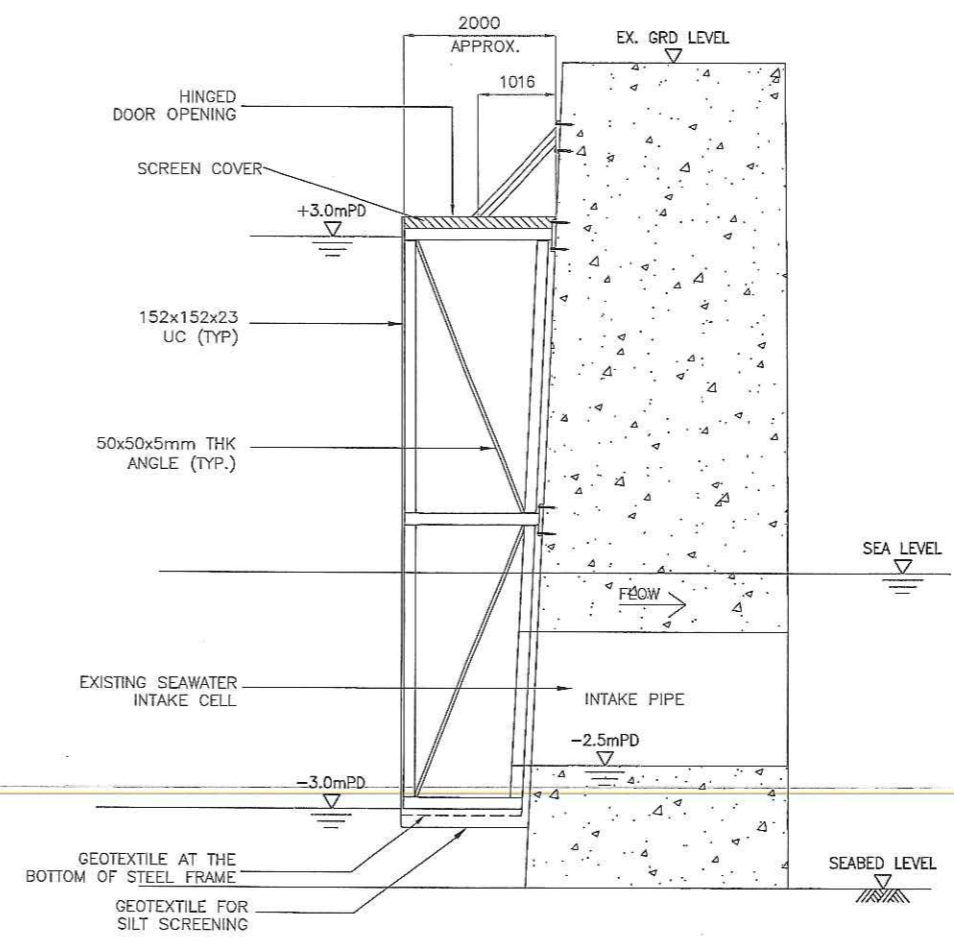
Appendix B
Type 1 Silt Screen

NOTES:
 1. ALL STEELWORK SHALL BE GRADE 43A.



ELEVATION OF TYPICAL DETAILS FOR SILT SCREEN OVER INTAKE PIPES

SCALE 1 : 150



SECTION A-A

SCALE 1 : 150

Rev	Description	By	Date
2	REVISED	KY	25-03-10
1	REVISED	KY	18-03-10
0	CHECKED PRINT	KY	03-03-10

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TYPE 1 SILT SCREEN

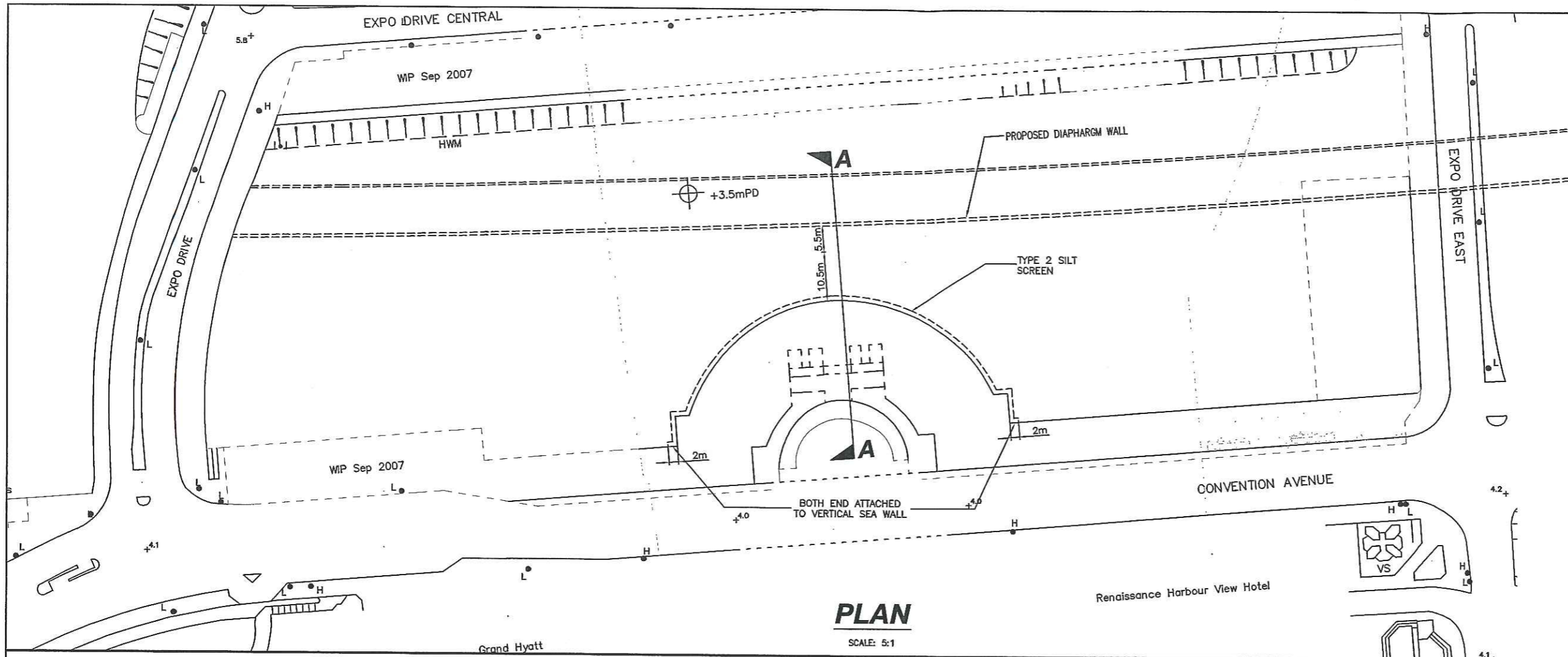
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DATE 03-03-2010 SCALE 1 : 1000

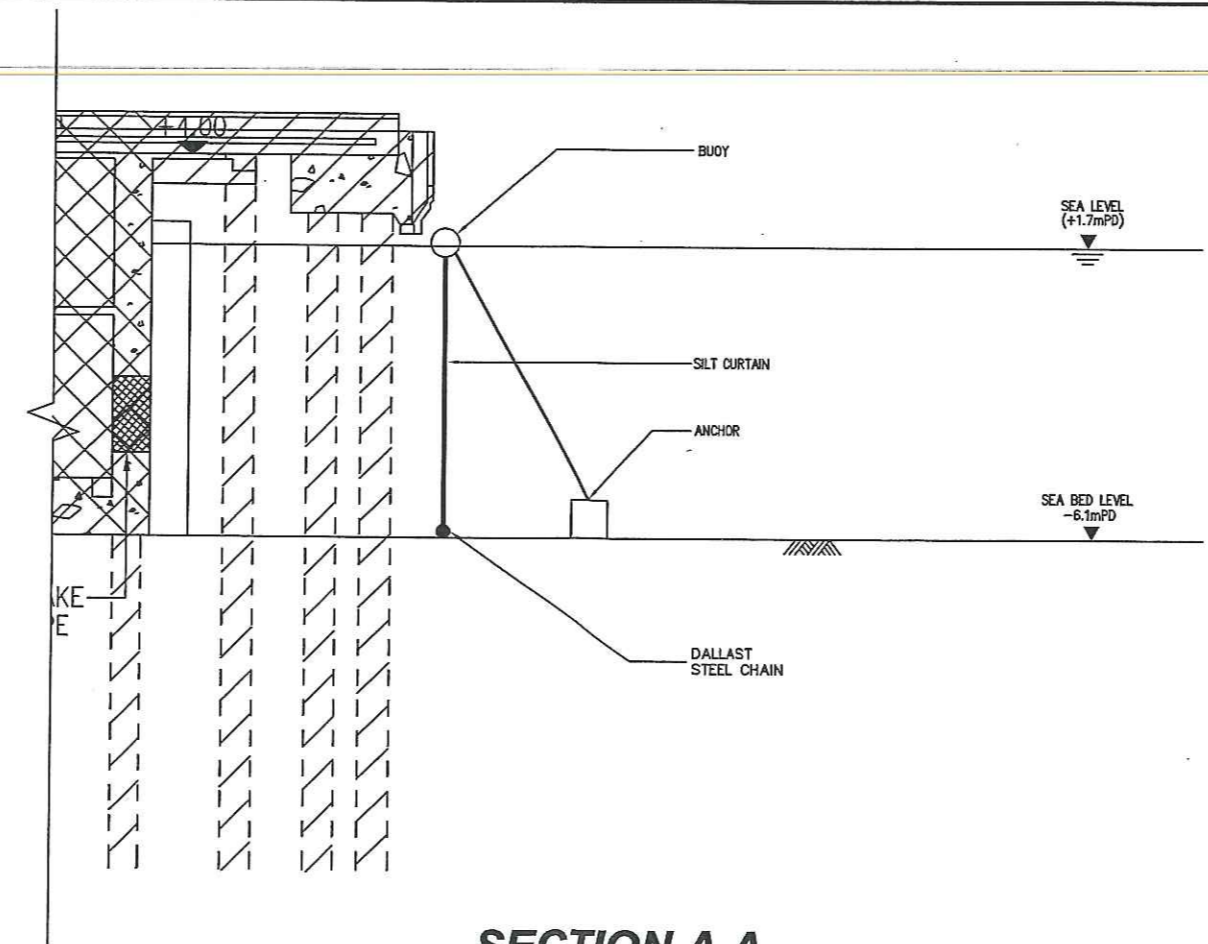
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Appendix C

Type 2 Silt Screen



PLAN
SCALE: 5:1



SECTION A-A
SCALE: 5:1

- NOTES:
1. NO DIMENSIONS ARE TO BE OBTAINED FROM SCALING DRAWINGS.
 2. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN MILLIMETERS.
 3. UNLESS OTHERWISE NOTED, ALL LEVELS ARE IN METERS RELATIVE TO HONG KONG PRINCIPAL DATUM (mPD).

1	REVISED	KY	26-03-10
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Rev	Description	By	Date

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TYPE 2 SILT SCREEN

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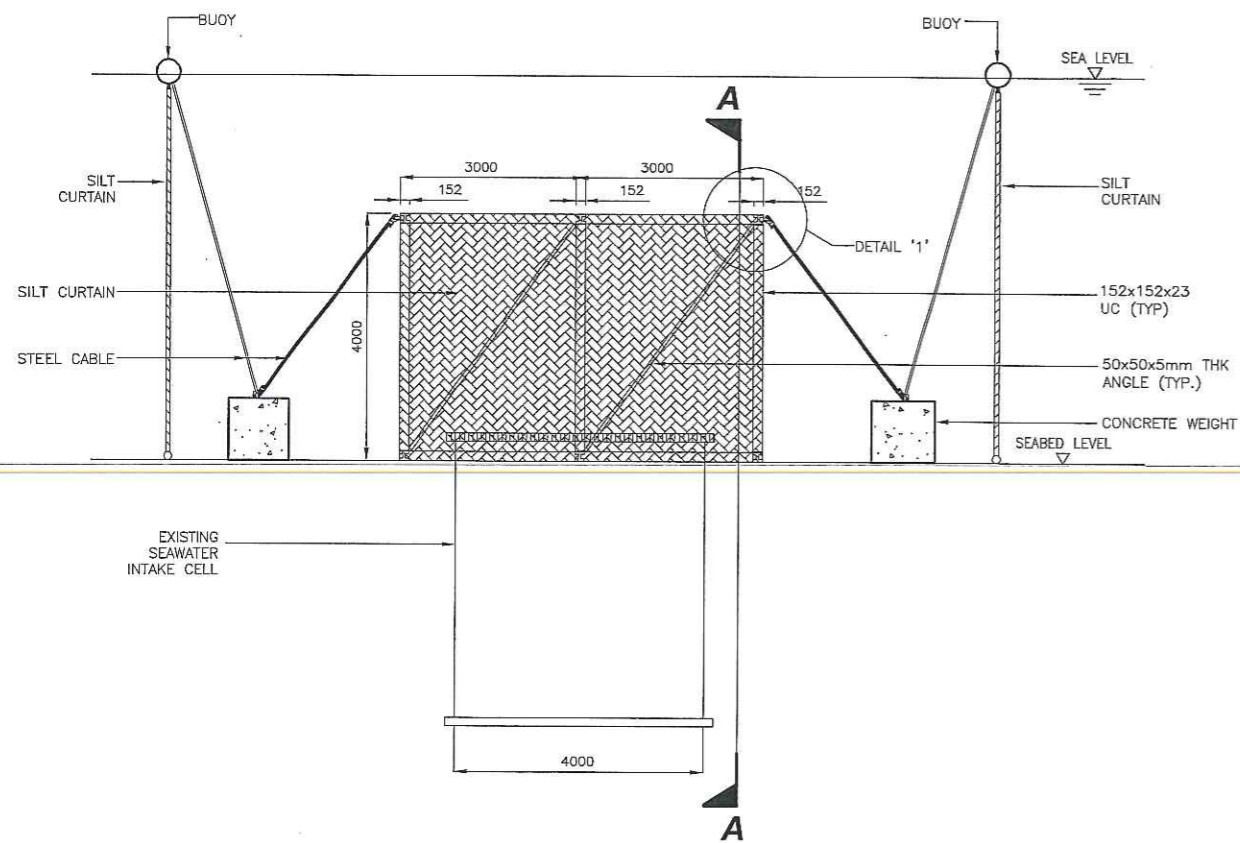
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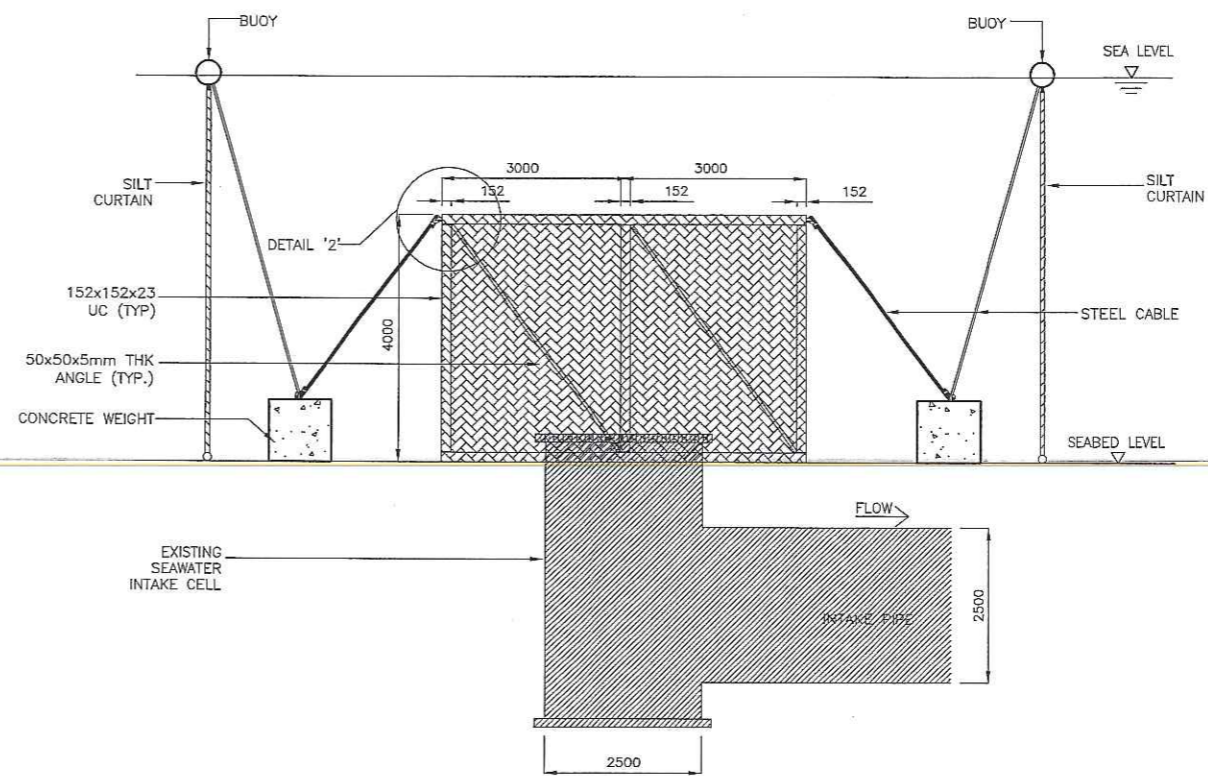
Appendix D
Type 3 Silt Screen

NOTES:

1. NO DIMENSIONS ARE TO BE OBTAINED FROM SCALING DRAWINGS.
2. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN MILLIMETERS.
3. UNLESS OTHERWISE NOTED, ALL LEVELS ARE IN METER RELATIVE TO HONG KONG PRINCIPAL DATUM (mPD).



**ELEVATION OF STANDING TYPE
SILT CURTAIN DETAIL**



SECTION A-A

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TYPE 3 SILT CURTAIN

DRAWING NO. **HK/2009/01/DW-RM-04**

DATE 03-03-2010 SCALE 1 : 125 (A3)

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Appendix E
Specification of Proposed Geotextile for Type 1, 2 and 3
Silt Screens

bontec

* bontec technical fabrics products

SG 100/100

Technical data sheet according to internal specifications Bonar TF: version 03 dd. 17/02/03
Accompanying documents CE marking: version 01 dd. 01/10/02



1137
1137-CPD-601
03

separation	filtration	reinforcement	protection	drainage

	test method	value	tolerance
Mechanical properties			
Tensile strength MD	EN ISO 10319	110 kN/m	- 9,9 kN/m
Tensile strength CD	EN ISO 10319	110 kN/m	- 9,9 kN/m
Elongation MD	EN ISO 10319	20 %	+/- 4,6 %
Elongation CD	EN ISO 10319	11 %	+/- 2,53 %
Static puncture resistance – CBR	EN ISO 12236	12,5 kN	- 2,5 kN
Dynamic perforation resistance – cone drop	EN 918	10 mm	+ 2 mm
Hydraulic properties			
Water permeability normal to the plane	EN ISO 11058	23×10^{-3} m/s	- $6,9 \times 10^{-3}$ m/s
Water flow normal to the plane (*)	EN ISO 11058	23 l/m ² .s	- 6,9 l/m ² .s
Characteristic opening size	EN ISO 12956	190 µm	+/- 57 µm
Physical properties			
Thickness under 2 kPa (*)	EN 964/1	1,53 mm	+/- 0,31 mm
Weight (*)	EN 965	475 g/m ²	+/- 47,5 g/m ²
Composition	100 % polypropylene woven geotextile		

Durability	<ul style="list-style-type: none"> geotextile has to be covered within 2 weeks after installation predicted to be durable for a minimum of 25 years in natural soil with $4 < \text{pH} < 9$ and soil temperatures < 25 °C.
------------	--

roads	railways	foundations & retaining walls	drainage systems	erosion control systems
EN 13249:2000	EN 13250:2000	EN 13251:2000	EN 13252:2000	EN 13253:2000

reservoirs & dams	canals	tunnels & underground structures	solid waste	liquid waste
EN 13254:2000	EN 13255:2000	EN 13256:2000	EN 13257:2000	EN 13265:2000

- This geotextile is intended for use in both functions & applications highlighted with a bold border.
 - Roll dimensions are 5,25 m x 100/200 m. Other dimensions on demand.
 - Bonar Technical Fabrics reserves the right to alter product specifications without prior notice. It is the responsibility of all users to satisfy themselves that the above data is current.
 - Although not guaranteed, these results do to the best of our knowledge offer a true and accurate record of the product's performance.
 - Bonar Technical Fabrics cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
- (*) Not mandated characteristics for CE marking.

BONAR TECHNICAL FABRICS
Inżyniering geotekstili

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Mirafi® X Woven Polypropylene Geotextiles

Properties of Mirafi® X Woven Polypropylene Geotextiles

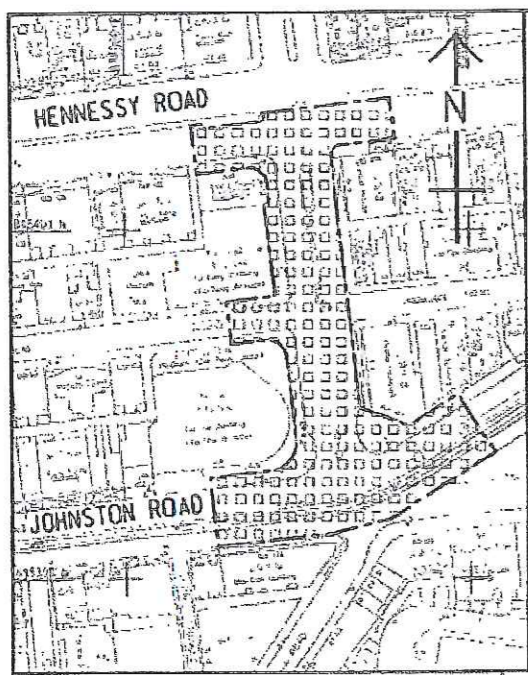
Property	Unit	500X	550X	600X
Mechanical properties				
Wide width tensile strength				
ISO 10319, ASTM D4595				
Mean ultimate tensile strength	MD kN/m	25	35	50
Mean ultimate tensile strength	CD kN/m	25	35	50
Extension at peak strength	MD %	20	20	20
Extension at peak strength	CD %	20	20	20
Grab tensile strength				
ASTM D4632				
Mean tensile strength	MD kN	1.0	1.2	1.5
Mean tensile strength	CD kN	1.0	1.2	1.5
Extension at peak strength	MD %	15	15	15
Extension at peak strength	CD %	10	10	15
CBR puncture strength				
ISO 12236, ASTM D6241				
Mean puncture strength	kN	3.2	4.2	5.5
UV resistance after 500 hrs				
ASTM D4355				
Strength retention	%	70	70	70
Hydraulic properties				
Apparent opening size – ASTM D4751				
	mm	0.425	0.425	0.425
Water permeability – ASTM D4491				
Mean flow rate	l/m ² /s	5	5	5
Mean permittivity	s ⁻¹	0.05	0.05	0.2
Nominal roll width	m	4	4	4
Nominal roll length	m	200	200	200
Estimated roll weight	kg	115	140	160

2010-605-06-1107

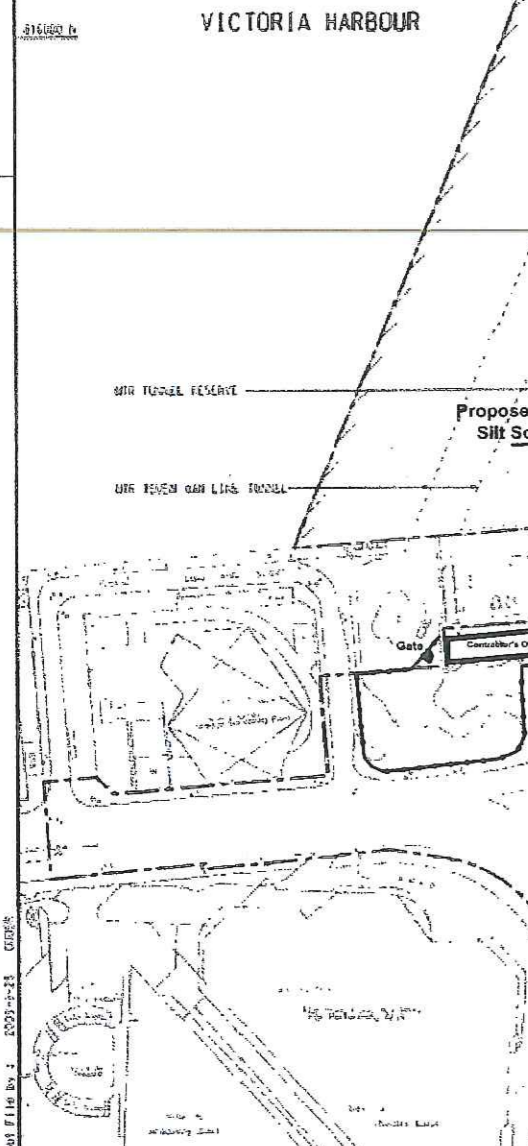
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Appendix F

Arrangement of Access Provision for Water Monitoring

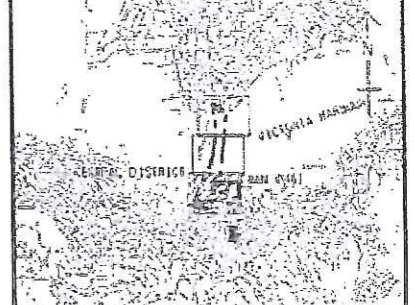
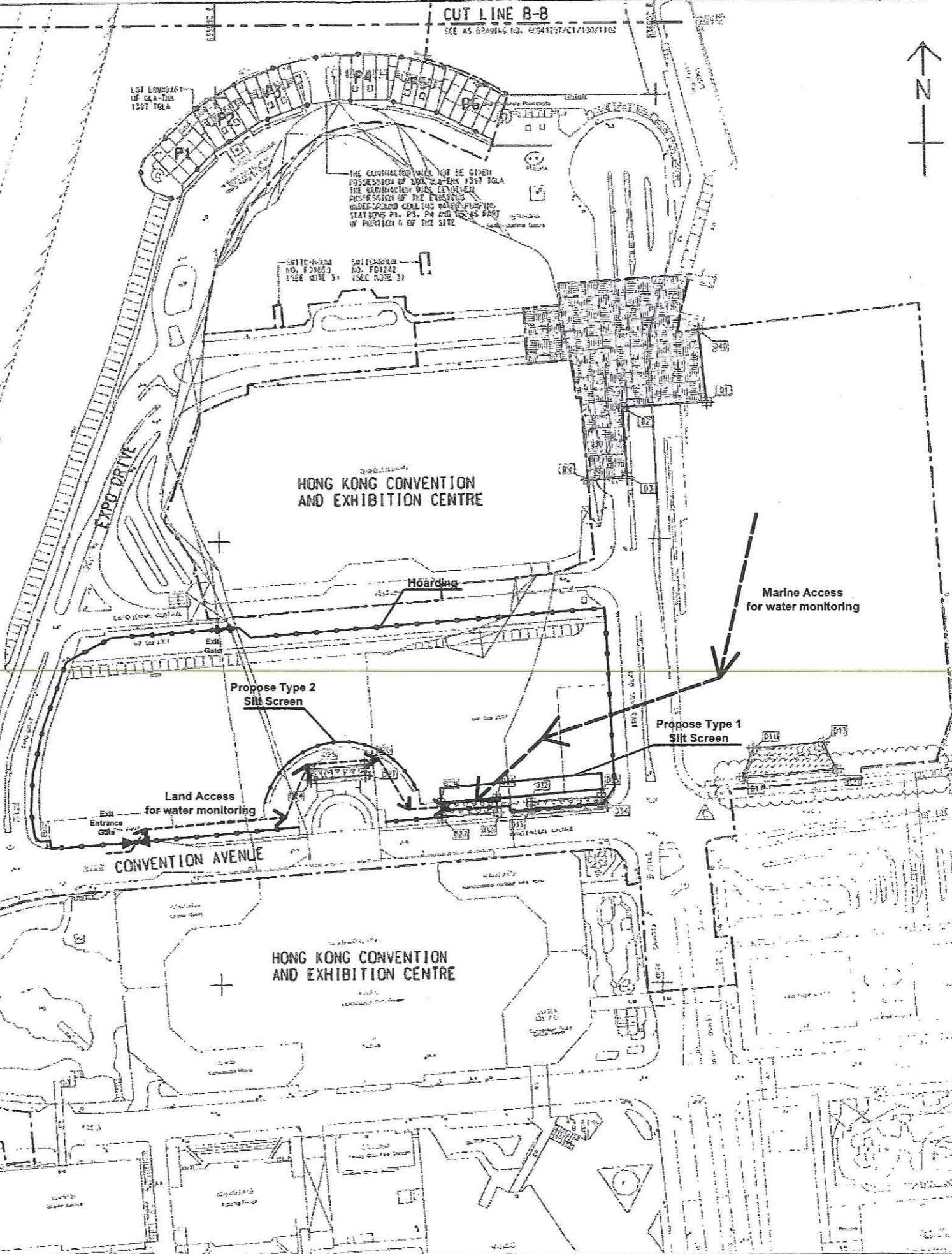


INSET 'A'
SCALE 1 : 1000



VICTORIA HARBOUR

CUT LINE B-B
SEE AS DRAWING NO. 60041297/C1/100/1103



KEY PLAN
SCALE 1 : 50000

- NOTES:
- FOR NOTES AND LEGENDS, REFER TO DRAWING NO. 60041297/C1/100/1101.
 - SETTING OUT POINT OF PORTION 1597 TOLA SHALL REFER TO DRAWING NO. 60041297/C1/100/1103.
 - THESE PARTS OF THE SITE INCLUDE THE GROUND FLOOR ONLY, THAT IS, THE CONVENTION HALL, EXHIBITION HALL, SWITCHBOOM, FORECASTLE, WHICH ARE LOCATED AT THE GROUND FLOOR OF THE PROJECT, AS SHOWN BY DRAWING NO. 60041297/C1/100/1104.

NO.	EASTING	NORTHING
D1	834021.744	816051.636
D2	835534.016	816059.333
D3	835535.784	816027.817
D4	835527.927	816025.825
D10	834041.296	815992.224
D11	834035.424	815992.191
D12	834070.524	815995.850
D13	834072.227	815997.574
D14	835623.744	815992.035
D15	835622.571	815991.030
D16	835634.478	815993.501
D17	835654.812	815996.545
D18	835645.758	815998.354
D19	835648.068	815994.656
D20	835656.110	815991.535
D21	835659.564	815993.374
D22	835641.064	815997.655
D23	835656.709	815995.546
D24	835641.425	815992.163
D25	835641.165	815993.591
D26	835646.194	815996.854
D27	835652.549	815994.037
D28	835650.854	815994.921
D29	835650.425	815997.632
D30	835625.797	815996.064
D31	835625.794	815993.543
D32	835601.372	815991.565
D33	835641.631	815993.419
D34	835673.426	815993.598
D35	835673.148	815993.010
D36	835618.347	816074.235
D37	835634.925	815992.034
D38	835626.020	815991.026
D39	835679.513	815994.162
D40	835674.567	815994.162

C	TRADER ALLEGION NO.4	SCALE 1/11 SEP 05
B	TRADER ALLEGION NO.3	SCALE 1/11 SEP 05
A	TRADER ALLEGION NO.1	SCALE 1/11 SEP 05
-	TRADER CRANING	SCALE 1/11 SEP 05
80	8000	SCALE 1/11 SEP 05

土木工程師學會
CEDD Civil Engineering and Development Department

WAN CHAI DEVELOPMENT PHASE II

WAN CHAI DEVELOPMENT PHASE II - CENTRAL - WAN CHAI OFFICE AT HONG KONG CONVENTION AND EXHIBITION CENTRE

PORTIONS OF THE SITE

SHEET 3 OF 3

AECOM

PROJECT NO. 60041297/C1/100/1103C

DATE OF ISSUE	REVISED BY	DATE	REASON
11/03/05	AL	11/03/05	ISSUE FOR PERMIT
11/03/05	AL	11/03/05	ISSUE FOR PERMIT
11/03/05	AL	11/03/05	ISSUE FOR PERMIT

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Appendix G
Silt Screen Inspection Checklist

Contract No. HK/2009/01
 Wan Chai Development Phase II
 Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre

Client: Civil Engineering and Development Department
 Consultant: AECOM
 Main Contractor: Chun Wo - Leader JV

Silt Screen / Silt Curtain Daily Inspection Checklist

Silt Screen / Silt Curtain ID: _____
 Location: _____
 Inspection Date and Time: _____

Item	Description	Condition		Immediate Action Required?*		Target Rectify Date	Remark
		Yes	No	Yes	No		
1	Any floating debris / refuse within silt screen / curtain?						
2	Supporting frame / buoys in good condition?						
3	Tying Wire / rope in good condition?						
4	Geotextile intact and in good condition?						
5	Sinkers in good condition?						
6	Any obstruction to water flow between geotextile?						

Checked by: _____
 On behalf of
 Chun Wo Leader JV

Endorsed by: _____
 On behalf of
 AECOM

Note: * For silt screen / silt curtain with defects which need to be rectified immediately, related marine work has to be stopped until rectification works completed to the satisfaction of the Engineer.