Tuen Mun - Chek Lap Kok Link
Northern Connection Sub-sea Tunnel Section
Contract No. HY/2012/08

PLAN

Document Ref. No.:

T M C L K L 8	-	D B J	-	G E N	-	P L N	-	9 0 0 1 0	C	IFA
Project Ref. Num.		Issuer		Location		Doc. Type		Doc. Sequential. Num.	Rev.	Status.

Document Title:

SPILL RESPONSE PLAN

	PREPARED BY:	INTERNAL REVIEW:		INTERNAL APPROVAL
COMPANY	DBJV	DBJV	DBJV	DBJV
NAME	C.F. KWONG	Timothy CHENG	David WESTWOOD	Seved ROBIN
POSITION	Environmental Manager/Officer (EO)	Safety & Environmental Manager	Project Manager	Project Director
SIGNATURE				
DATE	24/Sep/2013	24/9/13	24 Sept 13	24 Sept 13

(I) DOCUMENT STATUS

Details of Revision:

Revision	Rev. Date	Sections	Amendment Source and/or Details
A	30 Aug 2013	All	Issued for Approval
B	12 Sep 2013	All	Revised for Approval
C	24 Sep 2013	4.1, 4.5 & 4.6	4.1 – Revise Table 4.1 4.5 – Revise cement leakage procedure 4.6 – Add bentonite leakage procedure

Status of Page Revision:

Rev. ⇨ Section ⇩	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	X																				
2	X																				
3	X																				
3.1	X	X																			
3.2	X																				
4	X	X																			
4.1	X	X	X																		
4.2	X	X																			
4.3	X	X																			
4.4	X	X																			
4.5	X	X	X																		
5	X																				
5.1	X	X																			
5.2	X																				
6	X																				
6.1	X																				
6.2	X																				
6.3	X																				

Rev. ⇨ Section ⇩	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
Appendix A	X	X																			
Appendix B	X	X																			

(II) PROJECT DETAILS

Contract no.	:	HY/2012/08
Project Title	:	Tuen Mun – Chek Lap Kok Link, Northern Connection Sub-Sea Tunnel Section
Contract Period	:	From 31st July 2013 to 25th October 2018
The Client	:	Government of Hong Kong Special Administration Region – Highways Department
The Supervising Officer	:	AECOM Asia Company Limited
The Main Contractor	:	Dragages - Bouygues Joint Venture
Nature of Work	:	The design and/or construction for the section of TM-CLKL between Tuen Mun Area 40 and the HKBCF, include the following scope of work:

(i) Design and construction of sub-sea TBM tunnels (two tubes with cross passages) across the Urmston Road, connecting Tuen Mun Area 40 and HKBCF, of approximately 4 km in length with dual 2-lane carriageway;

(ii) Design and construction of cut-and-cover tunnels (two boxes with cross passages) at both the southern landfall and the northern landfall for construction of approach roads to the sub-sea TBM tunnels, of approximately 1.5km in length;

(iii) Construction of northern landfall reclamation of approximately 16.5 hectares and about 2.0km long seawalls;

(iv) Design and construction of ventilation buildings at the southern and northern landfalls;

(v) Design and construction of at-grade roads at the southern and northern landfalls;

(vi) Construction of extension of the existing 4-cell box culvert adjacent to RTT;

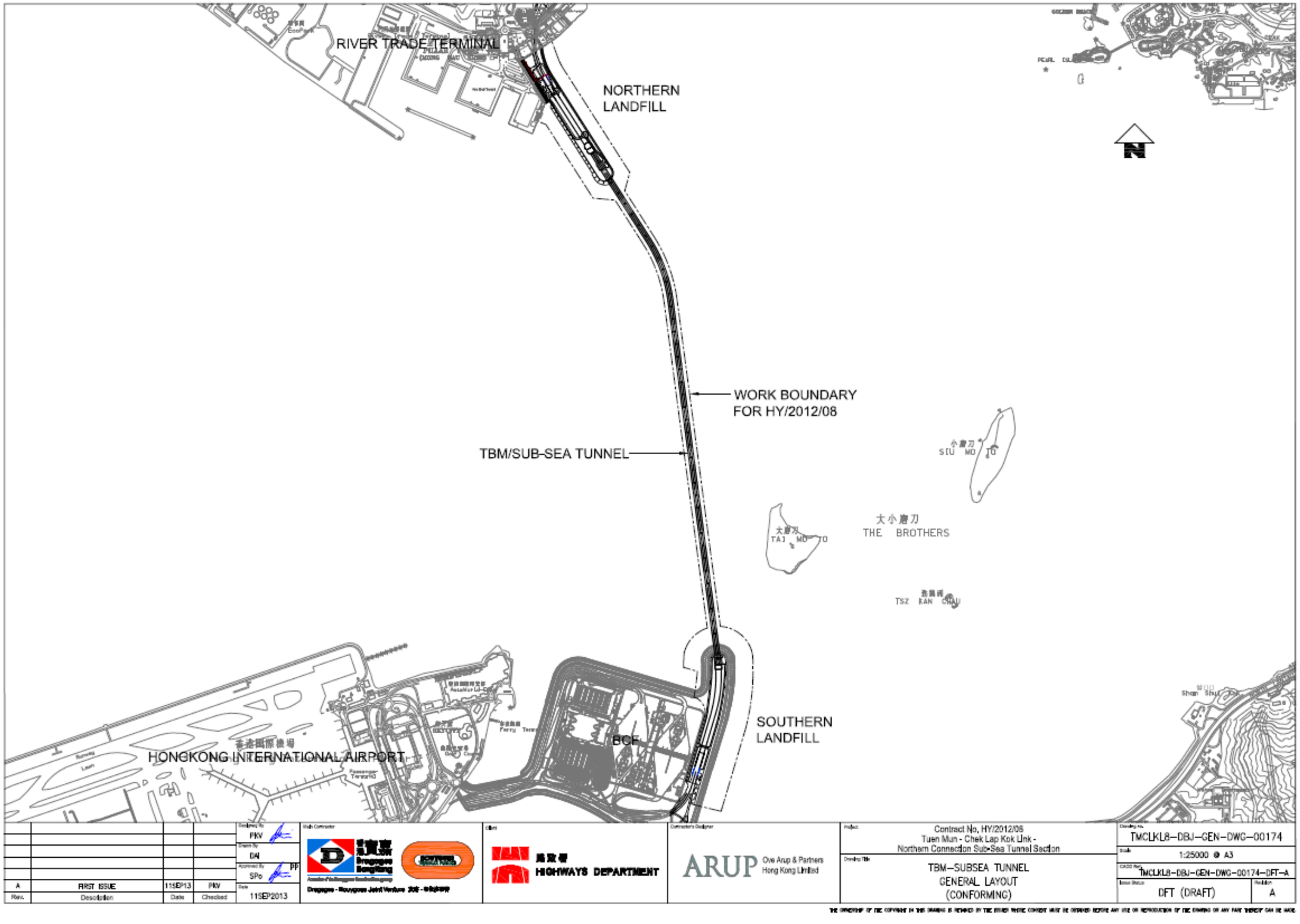
(vii) Provision of a temporary pontoon for the affected existing Government berths at RTT;

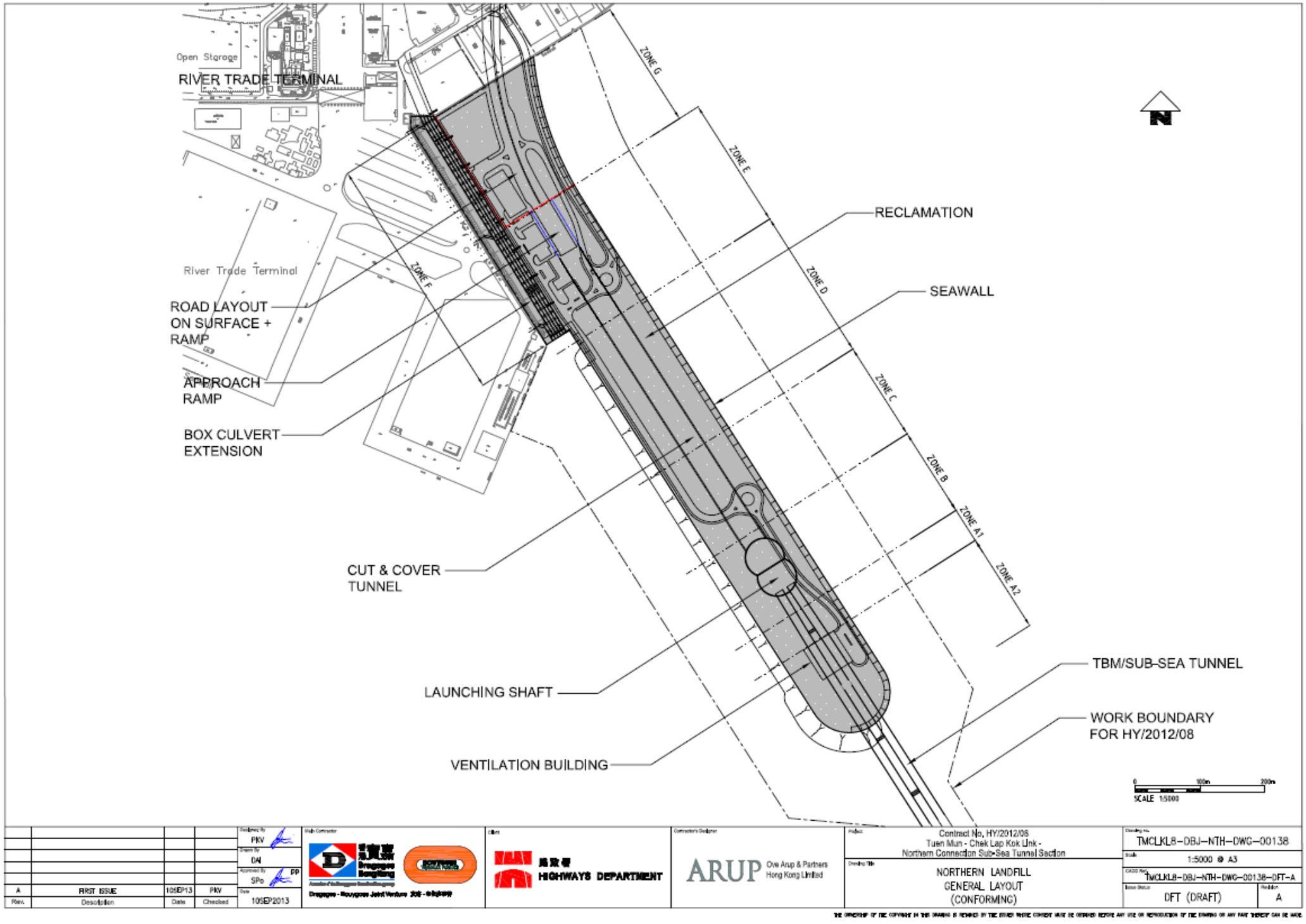
(viii) Design and construction for modification of a section of vertical seawall of approximately 220m in length at the southern landfall to sloping seawall;

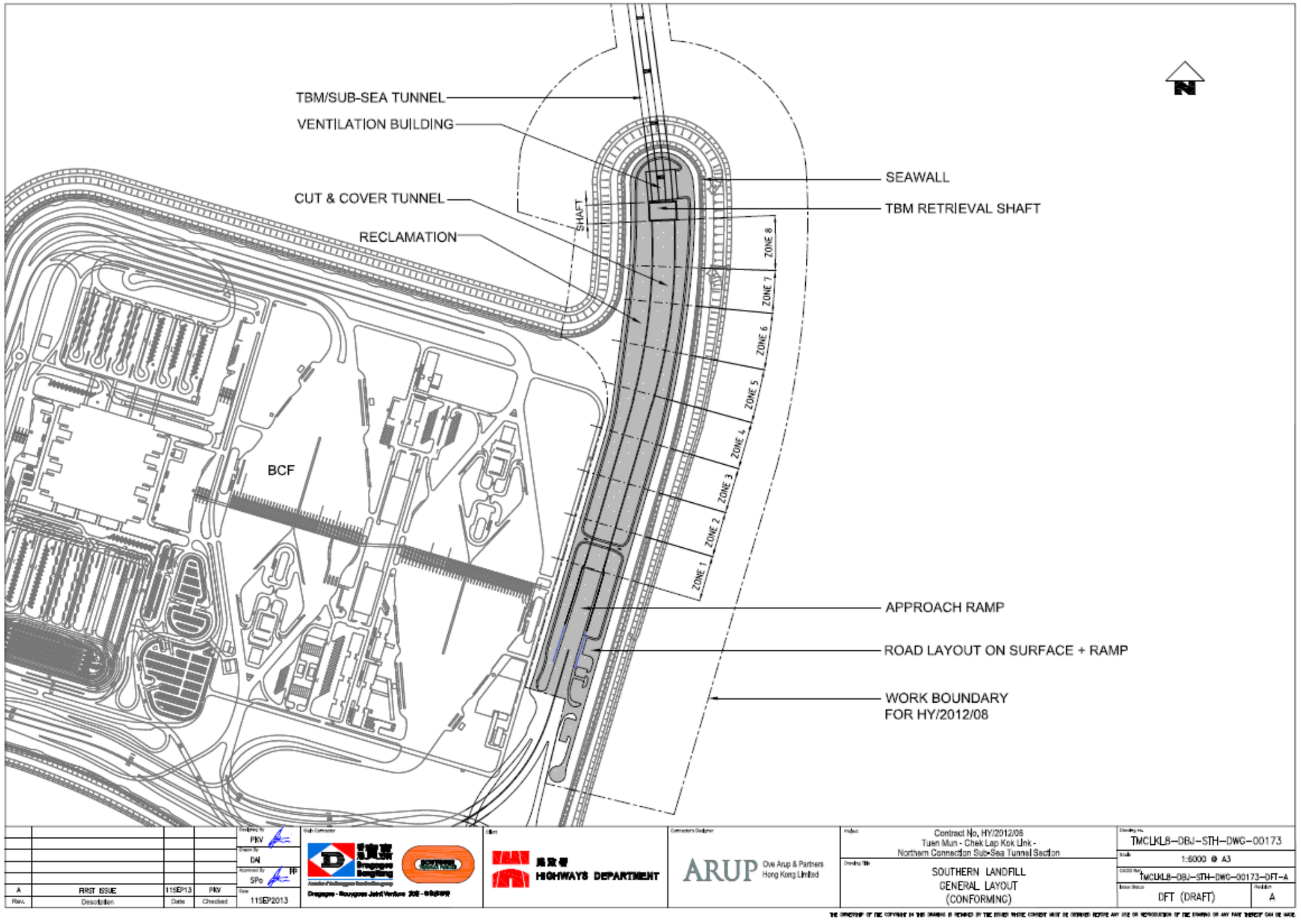
(ix) Design and construction of associated civil, structural, building, geotechnical, marine, environmental protection, drainage and sewerage, waterworks and utility works;

(x) Design and construction of advance SEM provisions to facilitate installation of E&M, TCSS and other utilities including tunnel ventilation, tunnel lighting, tunnel fire services, mechanical ventilation & air- conditioning, high voltage power supply, low voltage power supply, fire services, plumbing & drainage, central monitoring & control system and implementation of an EM&A programme for the works under this Contract.

(III) SITE LAYOUT PLAN







(IV) TABLE OF CONTENTS

1. INTRODUCTION

(i) The Spill Response Plan has been developed in accordance with Condition 2.7 of the Environmental Permit (EP-354/2009/A) for the Highways Department Contract namely Contract No. HY/2012/08 – Tuen Mun - Chek Lap Kok Link – Northern Connection Sub-Sea Tunnel Section. The Plan shall describe the actions to be taken in the event of accidental spillage of oil or other hazardous chemicals from construction activities including vessels operating, dredging works, and the tunnel works for the Contract, with specific provisions for protecting marine ecology and the Chinese White Dolphins.

2. CONTRACT DESCRIPTION

(i) The Works in Contract No. HY/2012/08, Tuen Mun – Chek Lap Kok Link – Northern Connection Sub-Sea Tunnel Section, is comprised of the following parts:

- A dual 2-lane sub-sea tunnel approximately 5 km long between Tuen Mun and the Hong Kong – Zhuhai – Macau Bridge Hong Kong Boundary Crossing Facilities (HKBCF);
- Reclamation to form land of approximately 16.5 hectares for the tunnel landfall at Tuen Mun;
- Associated civil, structural, building, geotechnical, marine, water supplies, drainage, sewage, landscaping works and re-provisioning works of affected existing facilities, etc.

3. PRECAUTIONS

3.1. General Precaution

(i) In order to minimize the possibilities of accidental spillage of oil or other hazardous chemicals at the construction site and on vessels, the following precautionary measures will be implemented on site as far as possible:

- The storage areas of chemicals and chemical wastes on land should be located remote from the coast and any other water bodies as far as practicable.
- Use suitable containers, which are resistant to the stored chemicals or the chemical waste.
- Store chemicals and chemical waste in separate storage areas.
- Label the storage containers and the chemical tanks in accordance with EPD's "Code of Practice on the Package, Labeling and Storage of Chemical Wastes Labeling".
- Drip trays shall be used to contain oil and chemical drums on site.
- Provide adequate ventilation in the storage containers/areas, as necessary.
- Prohibit open flames and smoking near the chemical storage and fuel storage areas.
- Provide tightly closed lids so as to avoid leakage of chemicals and chemical waste especially if accidentally knocked over.
- Inspect the storage area regularly to detect if any leakage has occurred or if any of the containers become defective on a regular weekly basis.
- Keep all chemical, chemical waste and fuel oil storage containers below eye level for easy inspection.
- Provide adequate space for safe and easy handling and inspection of the containers.
- Maintain an up-to-date log of all chemicals, chemical waste and fuel oil stored at site.
- Separate incompatible chemicals from one another.
- Keep the ingress to the chemical storage area locked and restrict access.
- Provide a bucket of dry sand and a suitable fire extinguisher in the storage area.

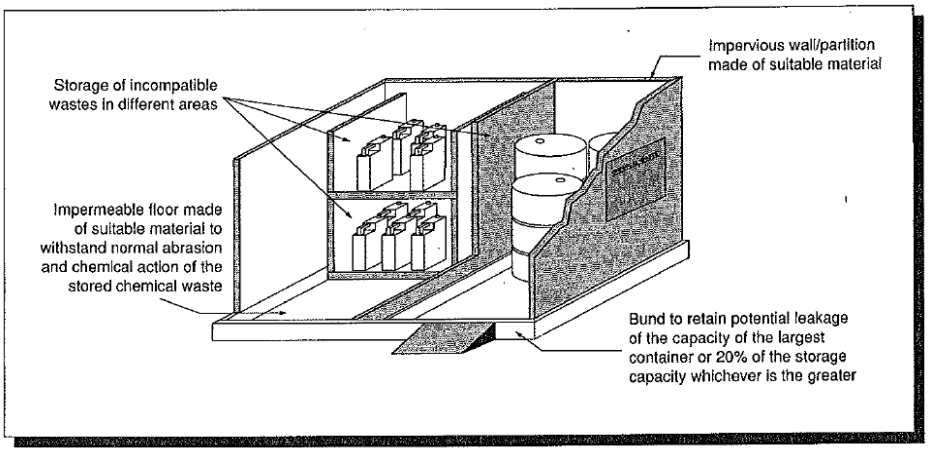


Figure 3.1 Schematic drawing of a Chemical Waste Storage Area

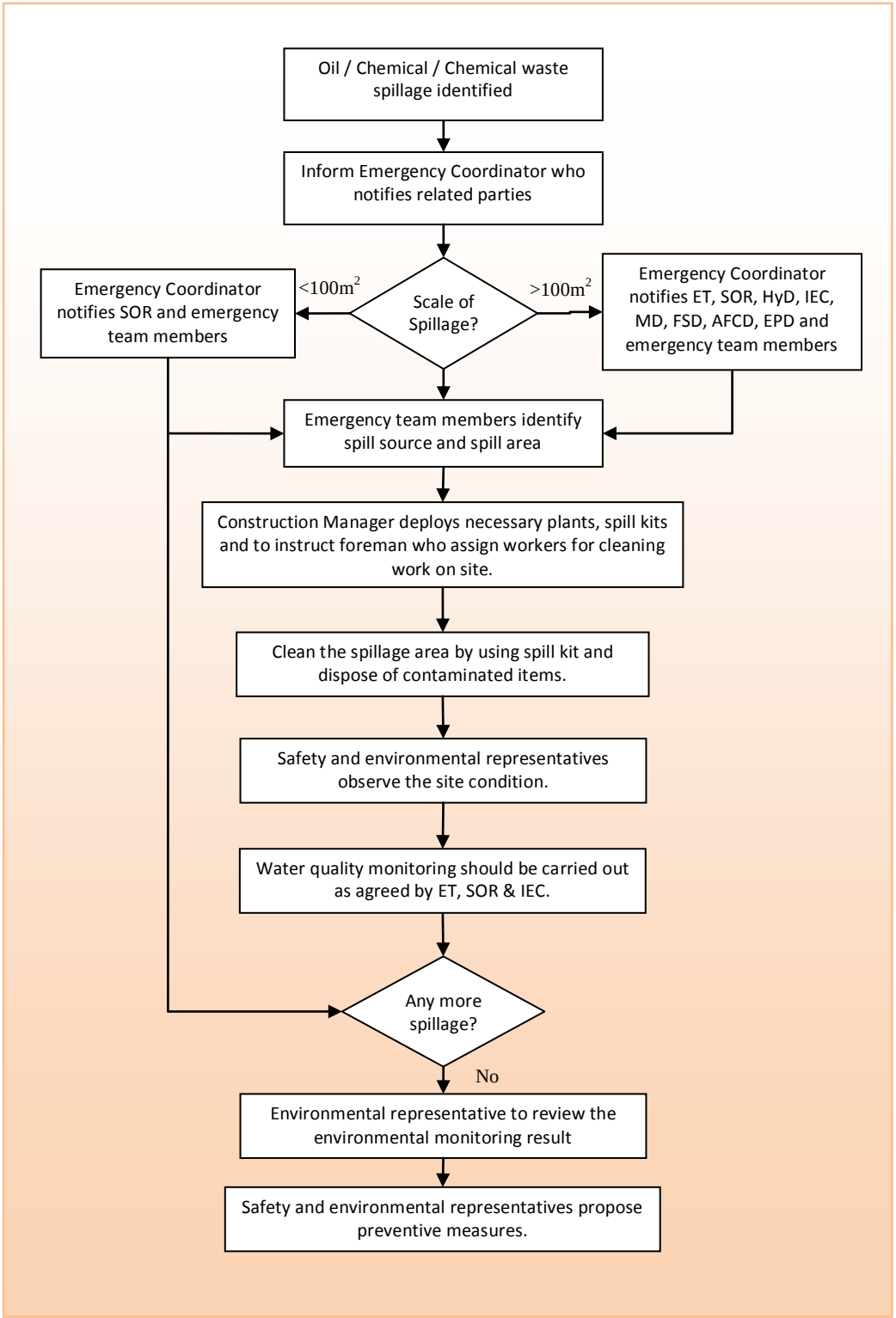
3.2. Transfer & Transport Precautions

(i) In order to minimize the chance of accidental spillage occurring during the transportation of chemicals or containers of chemicals to and from the construction site, especially in marine routine, some precautionary measures will be implemented on site. These precautions are subject to site conditions and constraints. These are:

- Use a suitably sized container so as to avoid overfilling.
- Use proper, safe and suitably labeled containers.
- Provide a containment structure which is able to hold any chemicals that is accidentally spilled.
- Use pumps to transfer chemical waste instead of pouring manually.
- Use suitable carrying equipment to transfer the chemical and waste containers from one location to another.
- Only employ and use suitably licensed, trained and responsible chemical waste collection companies/persons to carry out the transportation requirements.

4. GENERAL RESPONSE TO SPILL INCIDENTS

(i) The general response to the spill shall be carried out to minimize the amount of oil or hazardous chemicals to the marine environment. The location of the spill is also a consideration. The general responses include the following and they are illustrated in the flowchart below:



4.1. Proposed Quantities of Spillage Mitigation Measures and Required Personnel Protective Equipment (PPE)

(i) For incidents preparation, we need to purchase stocks of preventive materials such as oil spill kit or oil sorbent booms, in order to carry out mitigation measures at once. The following table shows the proposed quantities of spillage mitigation measures which help to control the spread of oil within a predictable period of time. The proposed quantities are sufficient for handling 2 times of marine spillage of up to **100 m^2**, and will be restocked at once after use. The reason of doubling the stock is to prevent the running out of stock when the spillages appear twice in short time. All of the materials, also with the required PPE, will be purchased and stored in the construction site area, and accessible by workers and emergency team.

Table 4.1 Proposed Quantities of Oil Spill Mitigation Measures

Equipments/ Measures	Nos. of Packs	Size
Oil Sorbent Booms	40	Ø 20 cm x 5 m
Oil Absorption Pads	100	15" x 19"
Oil Absorption Pillows	20	18" x 18" x 3"
Goggles	10	N/A
Protective Mask	10	N/A
Gloves	10 (in pairs)	N/A
Disposal Bags	50	N/A
Economy Spill Kit	1	5 Gallons in capacity
Emergency Response Kit	1	15 Gallons in capacity
Barrier Net / Silt Curtains	20	15m x15m

(ii) Other safety equipment and sanitary expends such as fire extinguishers, protective cloths, brushes, dustpans, mops and buckets, also with tissue and towelling will also purchase in reasonable quantities to ensure the cleanliness of the area and the protection of emergency team members.

(iii) Furthermore, the specification of spill kits is enclosed in Appendix A. The specification and the content of spill kits provide evidences of spill removal and the early preparedness before the emergency really happen. Other kinds of spill bucket will also consider with its utility, and provide other options for spillage treatment. All spill kits will be purchased and checked with the effectiveness, validity and the expiry date in quarterly basis.

4.2. Spill contained on the deck of a vessel

(i) Workers, including sub-contractors' staff, should be made aware of the emergency telephone numbers, locations of emergency showers, location of Spill Kits and emergency evacuation routes. Specific tool-box training should be provided for all workers. Medical emergency response should also be undertaken whenever necessary. The response actions to an incident should include, but not limit to, the following steps:

1. Immediately inform the duty Emergency Coordinator of the spill incident occurring.
2. The duty Emergency Coordinator shall assess the situation and identify the source. He shall immediately notify management and emergency representatives on the emergency contact list.
3. Where it is safe to do so, he shall take all possible measures to reduce or stop the spillage, such as shut off the valve.
4. Where the spill occurs in an enclosed or confined space, the duty Emergency Coordinator shall handover the area to safety or emergency services (e.g. Fire Services) to attain safe access and to manage the situation. Suitable personal protective equipment, including breathing apparatus, shall be worn as necessary.
5. The duty Emergency Coordinator shall equip all personnel involved in the cleanup works suitable personal protective equipment prior to the removal of any leaked chemical or chemical waste.
6. If possible and practical, the spilt chemical shall be put back into the containers of origin. Otherwise a suitable spill kits or absorbent material such as dry sand or sawdust shall be used to absorb the leakage.
7. Any contaminated sand, sawdust or other absorbent materials shall be collected and put into suitable and clearly labeled plastic bags or containers.
8. All collected chemical waste shall be placed in a suitably ventilated container, designated for chemical waste storage.

4.3. Spill into the Marine Environment

(i) Spillage in marine environment is serious, as it will potentially cause impact to the environment and ecology. It is therefore essential that workers becoming aware of spills immediately notify their supervisor, who shall inform the duty Emergency Coordinator of the incident.

(ii) There are two levels of severity, based on the size of the affected area (i.e. above or below the $100m^2$ limit). The response of the duty Emergency Coordinator will be governed by this.

4.3.1. For spillage area larger than 100 m^2

- The duty Emergency Coordinator shall inform all parties such as Environmental Team (ET), Supervisory Officer's Representative (SOR), Highways Department (HyD), Independent Environmental Checker (IEC), Marine Department (MD), Fire Services Department (FSD), Agriculture, Fisheries and Conservation Department (AFCD), Environmental Protection Department (EPD) and the DBJV emergency team members immediately. The contacts of the other concerned parties tabulated are in Appendix B.

- The Emergency Coordinator shall be responsible for organizing the manpower to identify the spill source and stop it.
- The Emergency Coordinator shall mobilize a team to clean up the spill. He shall ensure that the clean-up team is equipped with suitable PPE for the works.
- The spillage area shall be contained by using booms or other separation devices.
- Pads and Pillow of the Spill Kit shall be applied to absorb and remove the spillage within the containment. They will be collected by disposal bags as part of the spill kits item.
- The used spill kits will be treated, stored and disposed of as chemical waste according to the necessary procedures.
- An incident report will be submitted to the SOR within 2 working days, and also be copied to ENPO/IEC.

4.3.2. For spillage area smaller than 100 m^2

- The duty Emergency Coordinator shall inform the parties such as Supervisory Officer's Representative (SOR) and the DBJV emergency team members.
- The Emergency Coordinator shall be responsible for organizing the manpower to identify the spill source and stop or cease it.
- The Emergency Coordinator is the assigned persons who shall equip with suitable personal protective equipment to remove any leaked chemical or chemical waste.
- The spillage area shall be contained by using booms or other separation devices.
- Pads and Pillow of the Spill Kit shall be applied to absorb and remove the spillage within the containment. They will be collected by disposal bags as part of the spill kits item.
- The used spill kits will be treated, stored and disposed of as chemical waste according to the necessary procedures.
- An incident report will be submitted to the SOR within 2 working days, and also be copied to ENPO/IEC.

4.4. All Reasonable Attempts to be Made to Keep Dolphins Away from Contaminated Areas

(i) The use of oil absorbing booms is an effective contamination management method for small spills within the marine environment. It will prevent the spread of a spill and thus help to minimize the potential for Chinese White Dolphins to come into contact with the spill, and can act as a visual barrier to deter dolphins from entering the site. Deployment of such absorbent booms, together with concomitant visual and acoustic observations is appropriate for small and controllable spills that can be dealt with in the short term.

(ii) In the event of larger spills, the deployment of underwater barrier nets at the periphery of the spill area (such as silt curtains) as physical barriers, and in addition to the measures outline above, could be an effective means of isolating the spill area from Chinese White Dolphins.

(iii) Silt curtain, in addition to the EP required quantity, will be kept on site for deployment in case of emergencies.

(iv) If dolphins were found coming into the contained spillage areas, the environmental representative would inform the Environmental Team Leader and the dolphin expert (Dr. Samuel Hung) or his representative and seek their view for appropriate actions. All necessary response action will be provided by the Contractor before the arrival of the dolphin expert or his representative, after consulting the dolphin expert's opinions. We anticipated that the dolphin expert or his representing dolphin specialist(s) should arrive on site within 2 hours once they received the reporting of such incidence.

(v) Emergency response personnel and boat operators shall be trained by the Environmental Officer or his assigned Environmental Supervisor in the "Code of Conduct for Dolphin Watching Activities", promulgated by the Agriculture, Fisheries and Conservation Department. They shall follow these codes of conducts while carrying out their duties.

4.5. Cement and Bentonite Leakage during Grouting Works and D-wall Construction

(i) Grouting and D-wall construction works will take place on the reclaimed land of Northern Landfall (Figure 2) and Southern Landfall (Figure 3). The Southern Landfall will be reclaimed by others and the site handed over to HY/2012/08 in a few years' time, likely from 2016 to 2017. The site design of the reclaimed land is yet to be developed and not available at the moment.

(ii) There will be no floating concrete batching plants under this Contract.

(iii) Grouting and D-wall construction works will be entirely land-based. Any spillage of cement and bentonite will also likely be land-based.

(iv) Any spilled cement during the course of construction of D-walls and grouting works will be left to solidify and cleaned away as solid waste.

(v) Any spilled bentonite during the course of construction of D-walls will be collected at sump-pits at low point within the site and pumped away for disposal at suitable facility or recycle at slurry treatment plant when available after 2014.

(vi) In case of cement or bentonite contaminated water, they will be managed by the following standard facilities/design which will be incorporated into the site design:

a. The site will be sloped inwards from the sea such as spillage will be retained within the site boundary;

b. Perimeter u-channels along the site boundary;

c. Sump-pits within the site;

d. Wastewater treatment facilities;

e. Slurry treatment plant for the TBM works (available after 2014).

(vii) The contaminated water will be treated to meet the discharge license standards before discharge.

5. EMERGENCY TEAM

5.1. Team Structure

(i) An emergency team shall be established for the Contract in order to dealing with spillage cases promptly. The emergency team shall comprise members of an emergency coordinator, safety and environmental representatives and team members. The table below list the members' names and contact numbers of the emergency team.

Table 5.1: DBJV Emergency Team Contact

Post	Name	Contact No.
Emergency Coordinator	Benjamin KITZIS	9187 7106
Work Team Members – Deputy Construction Manager	Martin HO	9330 6200
Work Team Members – Foreman	TBA	
Safety Representative	Milo LAU	9125 7993
Environmental Representative	Chi Fung KWONG	9438 3115

(ii) This emergency team member list will be maintained and revised from time to time to ensure it is up-to-date. The telephone contact numbers shall be displayed on notice boards of all site portions. ENPO/IEC and SORs should also being notified when there is change in the emergency team.

5.2. Roles and Responsibilities

5.2.1. Emergency Coordinator

- There will be more than one shift during the works. The Emergency Coordinator will generally be the in-charge superintendent, supervisor or foremen on duty at the time, appointed by DBJV;
- The Emergency Coordinator shall be the key contact person of all emergency situations, on his appointed site and shift;
- On the occurrence of incidents, the Emergency Coordinator shall assess the seriousness of each case to decide the appropriate response and resources deployment;
- He shall seek the advice of the Safety Representative and Environmental Representative to decide upon his actions;
- He shall call upon and lead the emergency team to immediately carry out appropriate emergency responses to prevent and mitigate health, safety and environmental impacts;
- He shall inform the management and authorities, as outlined under this plan.

5.2.2. Safety Representative

- Assist the Emergency Coordinator in responding to emergency safety incidents;
- Advice the Emergency Coordinator on hidden hazards or unforeseeable situation, in the event of incident;
- Advice the Emergency Coordinator on emergency evacuation routes and gathering points;
- Observe the whole proceeding of the emergency procedures;
- Notify and report the whole proceeding to the Safety Manager;
- Ensure the follow up safety corrective action are implemented after emergency drill;
- Participate periodical emergency drills, scrutinize the steps taken and give recommendation to the Emergency Coordinator for further improvement.

5.2.3. Environmental Representative

- Assist the Emergency Coordinator in responding to emergency environmental incidents;
- Advice the Emergency Coordinator on hidden hazards or unforeseeable situations on environmental aspects;
- Observe the whole proceeding of the emergency procedures;
- Notify and report the whole proceeding to the Environmental Manager and the Environmental Team Leader the emergency events, so that they may make detailed assessments and liaise with the SOR and the authorities;
- Arrange ad hoc site inspections to sensitive receivers;
- Participate periodical emergency drills, scrutinize the steps taken and give recommendation to the Emergency Coordinator for further improvement.

5.2.4. Work Team – Construction Managers and Foreman

- Respond to the Emergency Coordinator’s call and follow his instruction to perform their duties;
- Trained and be familiar with the emergency procedures, uses of spillage kits, and locations of the first-aid points, work areas,
- Inspect and examine the spill kit and associated equipments at regular intervals to ensure the spill kit is in place and in good condition;
- Take immediate action, in response to the Emergency Coordinator’s instructions and in accordance with this spill response plan;
- Arrange necessary plants, boats or vehicles for cleaning works;
- Control or mitigate hazards at the scene to prevent further damages to the property or injury to person under a safe condition;
- In case of injuries, provide suitable first aid treatment at scene by certified first aiders;
- Report the latest situation of the injured person to the Emergency Coordinator.

6. IMPLEMENTATION OF SPILL RESPONSE PLAN

6.1. Location of Spill Kits

(i) Spill kits and absorbent material packages shall be kept in suitably locked storage containers, always accessible by on-duty site supervision and foremen. The containers shall be located at land site storage area and/or at the barge, such that the spill kits and lose materials may be readily mobilized to available boats.

(ii) Small portable spill kits shall be distributed to active vessels for immediate access. Larger kits, in barrels, shall be placed in active vessels such as dredgers to ease of mobilization.

6.2. Staff Training

(i) All workers shall be briefed on spill prevention and emergency procedures during the mandatory safety and environmental induction training and refresh training per 6 months. The Environmental Officer, or other qualified trainers, shall periodically conduct toolbox talks to the site workers.

(ii) Where appropriate, a demonstration of the spill kit or similar equipment may be delivered to related Emergency Team members. Subcontractors shall be trained with the spill preventive measures and emergency procedures are observed by their workers.

(iii) Site supervision staff shall be trained for responsible to check regularly their machineries and chemical storage facilities. They shall maintain all such equipments and facilities in good working order and free from defects. Any leaks shall be immediately repaired prior to resuming work.

6.3. Drill Exercise

(i) Emergency preparedness drill will be conducted at a frequency of once every 6 months and incorporated into the drill programme of DBJV environmental plan. All personnel on site should be notified in advance of the drill. An incident should be simulated and observations made of the response. A post drill meeting should be conducted to review the response and address any deficiencies.

APPENDIX A: PROPOSED SPILL KIT SPECIFICATION

SPILL KITS

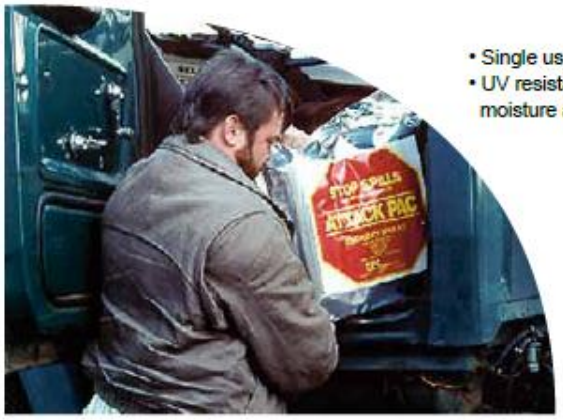
Portable Spill Kits... For fast response to small spills.

Economy Spill Kit

- Yellow PVC bag with handles for high visibility.
- Compact size: Easy to put in small storage area, behind or under the seat of a truck.
- Ideal for carriers who occasionally transport small quantities of liquids.
- Water-resistant, lightweight bag keeps sorbents dry.

Order Ref.	Contents	Adsorption Capacity
Oil Only: **SKO-PP** Maintenance: **SKA-PP** Chemical: **SKH-PP**	10 pads, 41 cm x 51 cm 2 socs, Ø 7.6 cm x 122 cm 1 pair of gloves 1 disposal bag	18 litres 18 litres 16 litres

Attack Pac



- Single use kit: Ideal for small spills.
- UV resistant foil bag protects sorbents against moisture and dirt.

Order Ref.	Contents	Packaging	Adsorption Capacity
Oil Only: **SKO-ATK** Maintenance: **SKA-ATK** Chemical: **SKH-ATK**	15 pads, 41 cm x 51 cm 3 socs, Ø 7.6 cm x 100 cm 1 pair of gloves 1 pair of goggles 1 disposal bag	4 kits/box 4 kits/box 4 kits/box	104 litres 104 litres 97 litres

38

Emergency Spill Sak™

Easily portable economy spill kit packed in reusable stuff sack.
Absorbs up to 9 gallons per kit.

KIND	ITEM #
Oil Only	SKO-SAK
Allwik	SKA-SAK
Hazwik	SKH-SAK

Contents:
10 pads (15" x 19")
2 SOCs (3" x 4')
1 pillow (18" x 18")
Nitrile gloves
1 Disposal bag
Instruction sheet

Emergency Response Kit

The value of this kit is as clear as the front of the bag. Quickly assess the sorbents you have, throw the kit over your shoulder and respond to the spill.
Absorbs up to 15 gallons per kit. *Sold 2 kits per case.*

KIND	ITEM #
Oil Only	SKO-CFB
Allwik	SKA-CFB
Hazwik	SKH-CFB

Contents:
32 pads (15" x 19")
5 SOCs (3" x 4')
1 pillow (18" x 18")
Nitrile gloves
2 Disposal bags
Instruction sheet
Goggles

55 Gallon Drum

Open and close this lever locked 55 gallon drum for fast response.
Drum meets UN specifications. For medium spill response.
Absorbs up to 38 gallons per kit.

KIND	ITEM #
Oil Only	SKO-55
Allwik	SKA-55
Hazwik	SKH-55

Contents:
50 pads (15" x 19")
4 SOCs (3" x 12')
8 pillows (18" x 18")
Goggles
Nitrile gloves
5 Disposal bags
Emergency Response Handbook

6.5 Gallon Spill Bucket

Extremely accessible spill kit in a reusable bucket. For small response.
Absorbs up to 9 gallons per kit.

KIND	ITEM #
Oil Only	SKO-BKT
Allwik	SKA-BKT
Hazwik	SKH-BKT

Contents:
10 pads (15" x 19")
3 SOCs (3" x 4')
Nitrile gloves
2 Disposal bags
Instruction sheet

20 Gallon Lab Pack

UN approved water and chemical resistant polyethylene Lab Pack container with screw top lid for small to medium response.
Absorbs up to 15 gallons per kit.

KIND	ITEM #
Oil Only	SKO-20
Allwik	SKA-20
Hazwik	SKH-20

Contents:
12 pads (15" x 19")
3 SOCs (3" x 12')
2 pillows (18" x 18")
Goggles
Nitrile gloves
3 Disposal bags
Emergency Response Handbook

APPENDIX B: CONTACTS OF CONCERNED PARTIES

DBJV Contact List 寶嘉-布依格聯營一般聯絡電話		
DBJV Project Office	寶嘉-布依格聯營 地盤總寫字樓	2293 7300 2670 2798
Safety Manager Mr. CHENG Timothy	安全經理 鄭先生	9303 3911
Safety Officer/Env. Sup. Mr. LAU Milo	安全主任/環保督導員 劉先生	9125 7993
Environmental Manager Mr. KWONG CF	環保經理 鄺先生	9438 3115
Environmental Officer Mr. LEE Bryan	環保主任 李先生	9622 7437
Mr. Benjamin KITZIS Construction Manager - Sur	建設經理-路面 KITZIS 先生	9187 7106
Mr. Etienne BARANGER Construction Manager - Tun	建設經理-隧道 BARANGER 先生	6802 0250
Mr. LAU & Mr. HO Security Company - Sanyo	保安公司 劉先生 / 何先生	Lau 劉 - 9199 1129 Ho 何 - 9184 1049
Security Guard at WA-18 (Mong Fat Street)	護衛員 (WA18/望發街) 鄧先生	9574 5653 / 9582 1579
Mr. David WESTWOOD Project Manager	項目經理 WESTWOOD 先生	9026 2070
Mr. Seved ROBIN Project Director	項目董事 ROBIN 先生	6300 0374

Other Contact List 其他聯絡電話		
AECOM Project Office	AECOM 地盤總寫字樓	2450 3622
ERM – Mr. Jovy TAM ET Leader	ERM – 譚萬鏘先生 環境監察及審核（環監）組長	2271 3000
Dolphin Expert - Dr. Hung	鯨豚專家 – 洪家耀博士	2688 2652

Emergency and Public 緊急及公共機構		
Marine Department (Hotline)	海事處 (一般查詢)	**2542 3711**
Marine Department (Maritime Rescue & Oil Spillage)	海事處 (海事拯救及油污洩漏)	**2233 7999**
Ambulance	救護車控制中心	**2735 3355**
Tuen Mun Hospital	屯門醫院	**2468 5111**
Pok Oi Hospital	博愛醫院	**2486 8000**
Hong Kong Police	警署	**999**
FSD-Emergency & Rescue	消防處緊急及救援	**2723 2233**
FSD-Castle Peak Bay	青山灣消防局	**2451 5101**
FSD-Pillar Point	望后石消防局	**2404 0766**
CLP-China Light & Power	中華電力	**2728 8333**
Town Gas	煤氣	**2880 6999**
Typhoon Enquiry	颱風資訊	**2835 1473**
Environmental Protection Department (Regional Office - West)	環保署 (新界西分區)	**2417 6116**
Food & Environmental Hygiene Department	食物及環境衛生署	**2452 6599**
Water Service Department	水務署	**2824 5000**
Drainage Service Department	渠務署	**2300 1110**
Hong Kong Flying Services	香港飛行服務隊	**2305 8212**
Vessel Traffic Centre	船隻航行監察中心	**2233 7801**