





**Civil Engineering and Development Department**  
**Contract No. NL/2017/03**

Tung Chung New Town Extension – Reclamation and  
Advance Works

**Silt Curtain Deployment Plan**  
**Revision 4**

|  |   |
|--|---|
| Complied By :  | Authorized for issue :  |
| Signature :<br> | Signature :<br> |
| Name: Ashley Au<br>Post : Environmental Officer<br>Date : 31 Aug 2020                              | Name: Mr. Keith Tse<br>Post : Site Agent<br>Date : 1/9/2020   |

## Tung Chung New Town Extension

### Environmental Certification Sheet for Environmental Permit No. EP-519/2016


#### Reference Document/Plan

|                                |   |
|--------------------------------|---|
| Document/Plan to be Certified: | Silt Curtain Deployment Plan (Revision 4) |
| Date of Report:                | 1 September 2020                          |


#### Reference EP Condition

|   |                |
|---|----------------|
| Environmental Permit Condition:   | Condition 2.16 |
| The Permit Holder shall, no later than 3 months before the commencement of reclamation related marine works at Tung Chung East, submit 3 hard copies and 1 electronic copy of a Silt Curtain Deployment Plan (The Plan) to the Director for approval. |                |

#### ET Certification

|   |  |
|---|--|
| I hereby certify that the above referenced document/ plan complies with the above referenced condition of EP-519/2016 |  |
| Jovy Tam<br>Environmental Team Leader<br>ERM-Hong Kong, Limited   |  Date: 3 September 2020 |

#### Qualified Ecologist Certification

|  |  |
|--|--|
| I hereby confirm that the Qualified Ecologist of the ET has been consulted in preparing ecological aspects of the above referenced document/ plan. |  |
| Raymond Chow<br>Qualified Ecologist<br>ERM-Hong Kong, Limited  |  Date: 3 September 2020 |



**BLACK & VEATCH**

**Black & Veatch Hong Kong Limited**

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OUR REF 198377-0267

YOUR REF

DATE 3 September 2020

Sustainable Lantau Office  
Civil Engineering and Development Department  
13/F, North Point Government Offices  
333 Java Road, North Point  
Hong Kong

For the attention of Mr. S.K. LO / Mr. K.T. WO

Dear Sir,

**Agreement No. CE 59/2017 (EP)**  
**Independent Environmental Checker for Tung Chung New Town Extension – Investigation**  
**Silt Curtain Deployment Plan (EP condition 2.16)**

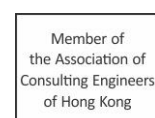
We refer to the Silt Curtain Deployment Plan (Revision 4) dated 1 September 2020 and certified by the Environmental Team Leader on 3 September 2020. Please note we have no adverse comments on the captioned submission. The captioned submission is hereby verified in accordance with the requirement stipulated in Condition 2.16 of EP-519/2016.

Should you have any query, please feel free to contact the undersigned at 2608 7314 ([chuawo@bv.com](mailto:chuawo@bv.com)) or our Ivan Ting at 9222 9490 ([iec.tcnte@gmail.com](mailto:iec.tcnte@gmail.com))

Yours faithfully,  
for and on behalf of  
BLACK & VEATCH HONG KONG LIMITED

MANUEL CHUA  
INDEPENDENT ENVIRONMENTAL CHECKER

cc: ET Leader – ERM (Attn: Mr. Jovy Tam) [by Email: [joyv.tam@erm.com](mailto:joyv.tam@erm.com)]  
Project Manager / TCE – AECOM (Attn: Mr. Chris Cheung) [by Email: [sreg1@tce-aecom.com](mailto:sreg1@tce-aecom.com)]



## Revision Summary

| Revision Number | Date of Report | Amendment   |
|-----------------|----------------|---|
| 1               | 21 May 2018    | First submission  |
| 2               | 7 Nov 2018     | Updated to include silt curtain arrangement of the DCM trial embankment (at the works area near Tai Ho Wan) and sand filling  |
| 3               | 30 Apr 2019    | Updated Appendix C5 - silt curtain arrangement of the DCM trial embankment (at the works area near Tai Ho Wan) and sand filling   |
| 4               | 30 April 2020  | <ol style="list-style-type: none"><li>1. Section 5 - Added the Reporting Mechanism when significant and insignificant defect on silt curtain was found;</li><li>2. Appendix C6 - Updated Silt Curtain Layout for the Perimeter Silt Curtain during all Reclamation Works</li><li>3. Appendix E – Updated the Environmental Mitigation Implementation Schedule</li></ol> |

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## 1. Introduction

Under the Environmental Impact Assessment Ordinance, the Environmental Impact Assessment (EIA) Report (Register No. AEIAR-196/2016) prepared for the “Tung Chung New Town Extension” has been approved by the Environmental Protection Department (EPD), and an Environmental Permit (Permit no. EP-519/2016) has been issued for the project. Pursuant to Condition 2.16 of the Environmental Permit, Silt Curtain Deployment Plan should be submitted prior to the commencement of reclamation related to marine works at Tung Chung East. The plan includes the construction programme and detail on the design, operation, maintenance, regular patrol and monitoring of the silt curtain to be deployed during the construction.

Accordance with condition 2.5 of the EP, Qualified Ecologists had been appointed to form part of the ET and carry out work relating to ecological aspects. The Qualified Ecologists had been consulted in preparation of this Plan.

## 2. Silt Curtain Deployment Programme

A brief programme showing the major reclamation works and their related works is enclosed in **Appendix A**. In general, perimeter silt curtain has to be deployed to enclose the works area as far as practicable. The minimum length of overlapping silt curtain and the width of gap between 1st and 2nd layer of silt curtain is 150m and 100m respectively. Where the marine works are not enclosed by perimeter silt curtain, localized silt curtain around the marine works shall be deployed to enclose the works area before start of the marine works. Additional localized silt curtain (frame type silt curtain) will also be deployed when placing sand with fine content of >5% to 10% onto the seabed (see **Appendix C1** and **Appendix C2**). Some indicative phases of silt curtain deployment are presented as follows:

1. Protective silt curtain (floating single silt curtain type) will be deployed before commencement of construction works in order to minimize potential water quality impacts that may be caused by vessel’s movements during site investigation works at shallow water area (see **Appendix C3** for the Silt Curtain Layout).
2. Installation of Perimeter Silt Curtain during DCM trial for DCM Trial Embankment (at the works area near Tai Ho Wan) (see **Appendix C4** for the Silt Curtain Layout).
3. Installation of Perimeter Silt Curtain during reclamation filling for DCM Trial Embankment (at the works area near Tai Ho Wan) (see **Appendix C5** for the Silt Curtain Layout).
4. Perimeter silt curtain (floating single silt curtain type) will be deployed during all

reclamation works (see **Appendix C6** for the Silt Curtain Layout).

In case the silt curtain layout has to be updated due to potential work constraints or marine safety, the proposed silt curtain layout shall be reviewed and agreed by the Environmental Team and the Independent Environmental Checker as sufficient to control the potential water quality impact due to the associated marine works before implementation.

### 3. Design of Silt Curtain

The floating single silt curtain consists of a layer of geotextile tied on 300-500mm diameter sub-buoys. The geotextile extended to the seabed level secured by steel chain ballast. The buoys will be further positioned by nylon ropes tied on nearby existing structures. Sufficient length of geotextile will be provided such that the silt curtain can be extended from the water surface to the seabed during high tide condition. The minimum overlapping length between the different sheet is 150m. Silt curtain (Model DSP15) with curtain depth of 7.4m (D=7.4m) and curtain strength 15 ton/m (Canvas (15ton/m)) is deployed in this project. Job reference and typical section of the proposed silt curtain is attached in **Appendix B**.

### 4. Silt Curtain Installation

- i) Link up 300-500mm buoys together by a net
- ii) Tie up top end of the geotextile to the buoys net and the bottom end with steel chain ballast before transportation.
- iii) Transport the silt curtain to the location for fixing via a marine pontoon.
- iv) Refer to the Environmental Permit No. EP-519/2016 Clause 2.27, a dolphin exclusion zone of 250m shall be implemented around the reclamation site during the installation or redeployment of the perimeter silt curtain. Before the start of the installation work, Qualified Ecologists with dolphin monitoring experience shall scan the exclusion zone for at least 30 minutes. If dolphins are observed in the exclusion zone, the installation work shall be delayed until the dolphins left the area.
- v) Workers tie the buoys to the water and then slowly put the geotextile with the steel chain ballast into sea.
- vi) Put the buoys to the water and then slowly put out the geotextile with the steel chain ballast into sea.
- vii) In order to maintain the position of the silt curtain especially at location with strong current, place concrete sinkers to the seabed if required and tie the silt curtain to the sinkers with nylon strings by divers.

If dolphins are observed within the exclusion zone during the installation work, the relevant part of the work shall cease until the dolphins left the area.

Once the perimeter silt curtains are installed or re-deployed, the Dolphin Watching Plan shall be implemented as part of the EM&A programme.

## 5. Operation and Maintenance of Silt Curtain

- i) On-board supervisors will be assigned to check the condition of the silt curtain before commencement of works every day. Completed inspection checklists will be kept on site for record purpose. Refer **Appendix D** for the sample of Silt Curtain Daily Inspection Checklist. Diver inspection will be arranged after adverse weather and when necessary.
- ii) For the tentative arrangement of silt curtain under adverse weather (e.g. Red or Black Rainstorm, Typhoon Signal No. 3 or above etc.), the silt curtain will not be temporary removed during adverse weather. However, related works will be suspended immediately if silt curtain is found any damaged. Immediate inspection of silt curtain after adverse weather is necessary. Working procedures include (1) lift up the silt curtain for water by derrick barge, (2) sew (double-line sew) a new piece of geotextile to the existing geotextile to cover the damage area, (3) ensure sufficient overlapping length (150m) & width of gap (100m) and (4) diver inspection shall be carried out if necessary to inspect the installation and decommission of silt curtain to ensure proper installation and functioning of the silt curtain according to the design drawings. Nearby marine works will resume after repairing of the damaged silt curtains.
- iii) Refuse around the silt curtain will be collected at regular intervals on a daily basis so that water behind the silt curtains will be kept free from floating debris.
- iv) Sufficient spare geotextile will be kept on site for replacing of damaged silt curtains. The spare geotextile shall be kept in place to avoid direct contact with water and sunlight.

### Reporting Mechanism

When insignificant defect of silt curtain gap less than one unit length of the silt curtain (around 20m), BKSTJV Inspection team will inform BKSTJV Marine and Environmental Department, and arrange resource to carry out repairing work.

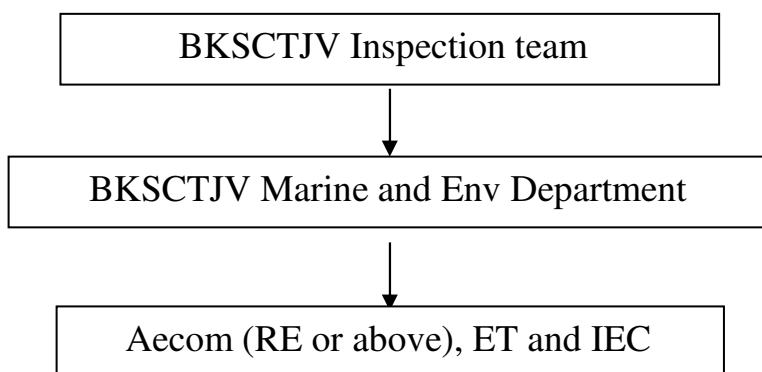
As the major works conducted near to the perimeter silt curtain are marine DCM works and sand placing works. All the DCM barges are under confinement by an additional primary and secondary silt curtain. Meanwhile, a frame-type silt curtain will be installed around the grab



when placing sand onto the seabed. Therefore, with these protective measures, it is considered that sufficient protection to the marine quality is provided.

When significant defect of silt curtain gap greater than one unit length of the silt curtain (around 20m), the following reporting mechanism should be implemented:-

1. Once JV Inspection team identified the defect, they will take immediate photos and then send to JV Marine Department and Environmental Department,
2. JV Environmental Department reporting to PM, ET and IEC, including the anticipated time to repair completion,
3. Request advice from PM, ET and IEC on whether any works should be suspended or slowed down, etc, shall be discussed.



## 6. Removal of Silt Curtain

Prior to removal of silt curtains, all marine works for which the silt curtains are deployed shall be stopped and visual inspection of the water quality within the area protected by silt curtains shall be conducted to confirm no sediment plume remaining within the works area before commencing silt curtain removal.

Floating silt curtains shall be removed by detaching the chain connecting the silt curtain to the anchors. Care should be taken to protect the silt curtain skirt from damage as it is dragged from the water. The remaining anchors shall be individually connected to the crane by divers and carefully lifted off the seabed for recovery onto the barge to minimize the disturbance to the seabed.

# **Appendix A**

## **Construction Programme**

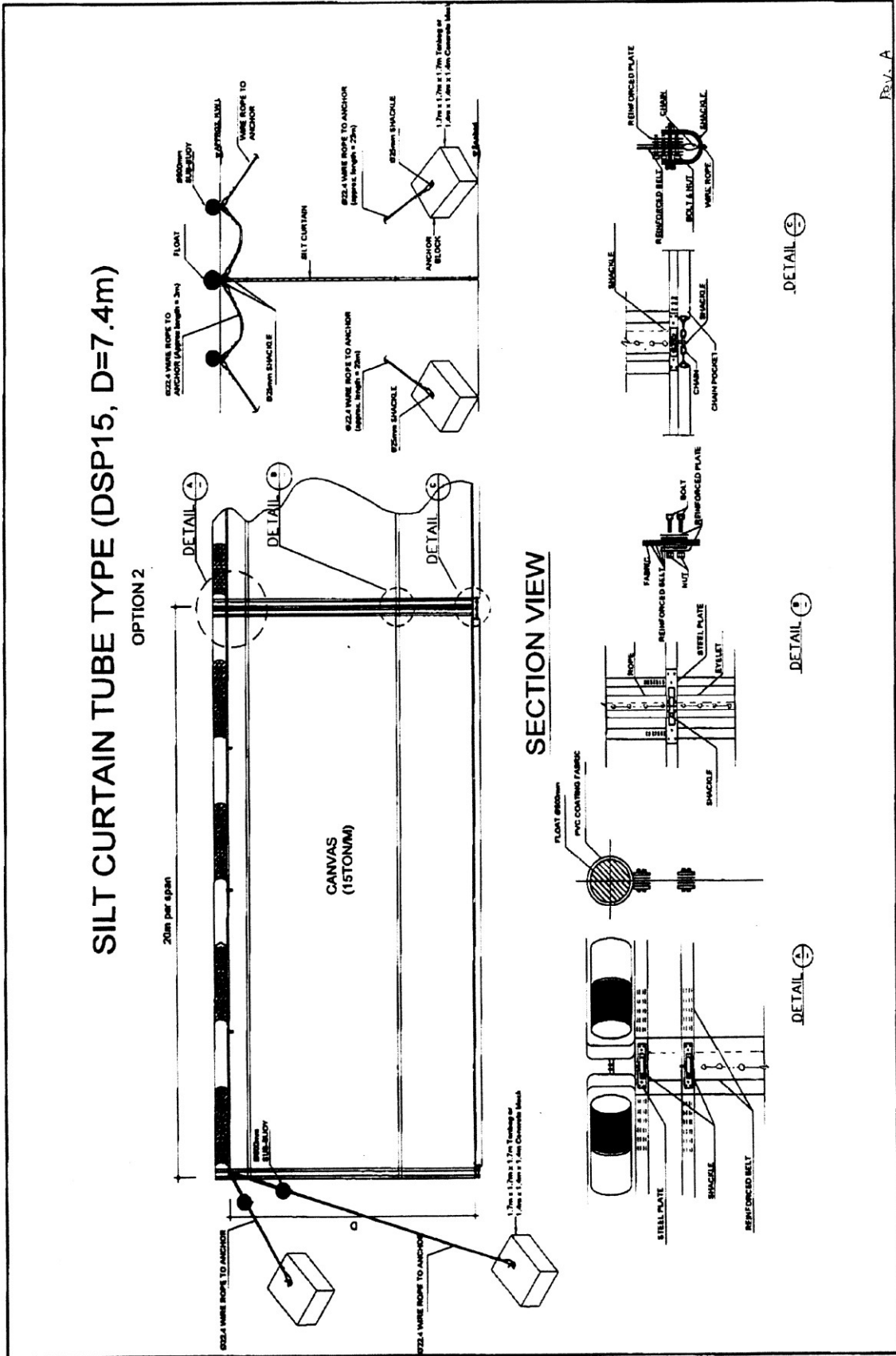


# **Appendix B**

## **Design and Job Reference of Silt Curtain**

# SILT CURTAIN TUBE TYPE (DSP15, D=7.4m)

OPTION 2



Rev. A



## Daeyoun Geotextile Silt Protector

| Date   | Project  | Client   | Consultant                                 | Model                                     | Size (W x Lm)   | No. of Span                        |
|--------|--|--|--|---|---|------------------------------------|
| Jul-03 | CV/2002/04<br>Penny's Bay Reclamation Stage 2  | Gammon Construction Ltd                              | Scott Wilson Ltd                           |   | 5 x 20m<br>5 x 10m  | 86<br>256                          |
| May-13 | DC/2011/01<br>Drainage Maintenance and Construction in Mainland South Districts (2011-2015)                | World Diamond Engineering Ltd                        | Drainage Services Department               | GSP 15                                    | 5x20m<br>3x5m<br>3x2m<br>3x13m                                      | 1<br>10<br>1<br>4                  |
| Apr-14 | HY/2012/07<br>Dual 2-lane carriageway between HZMB BCF and North Lantau Highway                            | Gammon Construction Ltd                              | AECOM Asia Co Ltd                          | DSP15                                     | 6 x 20<br>7 x 20<br>9 x 20  | 24<br>10<br>10                     |
| Mar-15 | 16/WSD/11<br>Replacement and rehabilitation of water mains at Peng Chau, Sunshine Island and Hei Ling Chau | Pipe Tech Ltd<br>MIRDTEC HK Ltd                      | AECOM Asia Co Ltd                          | DSP 15<br>DSP 15<br>DSP 15                | 0.6 x 20<br>1.2 x 20<br>1.5 x 20                                    | 1<br>22<br>6                       |
| Mar-15 | P552<br>Deep Cement Mixing Trial Works   | Penta Ocean Construction Co Ltd                      | Atkins China Ltd & Mott MacDonald          | DSP30<br>DSP30                            | 8 x 20<br>8 x 25  | 2<br>6                             |
| Aug-15 | Tsuen Wan West Station, TW-6<br>Property Development   | Hip Hing Construction Co Ltd                         | Mannars Chan & Associates                  | DSP15                                     | 4 x 20  | 1                                  |
| Dec-15 | HK/2012/08<br>Wan Chai Development Phase II - Central Wan Chai Bypass at Wan Chai West                     | China State - Leader JV                              | AECOM Asia Co. Ltd                         | DSP30<br>DSP30<br>DSP15<br>DSP15<br>DSP15 | 10 x 20<br>5 x 10<br>10 x 20<br>9 x 20<br>8 x 20                    | 6<br>6<br>5<br>5<br>5              |
| Mar-16 | Asia Pacific Gateway (APG) - Tseung Kwan O (Cape Collinson)  | Maritime Mechanic Ltd                                | Environmental Resources Management         | DSP15                                     | 14 x 12   | 20                                 |
| Nov-16 | Dredging works at Marina Cove  | Fung Kau Kee Contractors Ltd                         |  | DSP15                                     | 5 x 20  | 2                                  |
| Nov-16 | HY/2012/08<br>Tuen Mun - Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section                      | Crown Asia Engineering Ltd<br>Dragages - Bouygues JV | AECOM Asia Co. Ltd                         | DSP15<br>Marker Buoy                      | 8 x 20<br>9 x 20<br>10 x 20<br>Dia: 520mm                           | 5<br>35<br>5<br>12 nos.            |
| Dec-16 | C3203<br>3rd Runway System Project DCM Ground Improvement Works (Package 3)                                | Sambo E & C Co Ltd                                   | Atkins China Ltd & Mott MacDonald          | DSP 30<br>Barge Type                      | 4 x 10<br>2 x 10<br>4 x 9<br>1.6 x 9<br>2.8 x 9<br>1.8 x 9<br>2 x 9 | 46<br>2<br>246<br>4<br>2<br>2<br>2 |
| Dec-16 | C3204<br>3rd Runway System Project DCM Ground Improvement Works (Package 4)                                | CRBC-Sambo JV  | Atkins China Ltd & Mott MacDonald          | DSP30                                     | 6 x 5.3<br>6 x 11.3<br>6 x 12.3<br>6 x 12.8<br>6 x 13.8<br>6 x 6    | 2<br>2<br>20<br>4<br>4<br>100      |
| Jan-17 | C3201<br>3rd Runway System Project DCM Ground Improvement Works (Package 1)                                | Penta Ocean-China State- Dong Ah JV                  | Atkins China Ltd & Mott MacDonald          | DSP 30                                    | 6 x 8   | 154                                |
| Feb-17 | P560<br>Aviation Fuel Pipeline Diversion Works   | Kat Yue Construction Engineering Ltd                 | Mott MacDonald                             | DSP15                                     | 1.5 x 20  | 8                                  |
| Apr-17 | HKHA20120023<br>Public rental housing, Shek Mun Estate   | Hin Sum Engineering Co Ltd                           | Wong & Ouyang (Building Services) Ltd      | DSP / SG110                               | 3 x 20  | 2                                  |
| Jul-17 | Refuse Boom at Tai O by World Wide Fund  | World Wide Fund                                      |  | DSP15                                     | 0.5 x 20  | 3                                  |
| Aug-17 | Lyric Theater Complex and Extended Basement Project for the WKCD Authority                                 | Gammon Construction Ltd                              | AECOM Asia Co. Ltd / Mott Macdonald HK Ltd | DSP15                                     | 8 x 20  | 6                                  |

# **Appendix C**

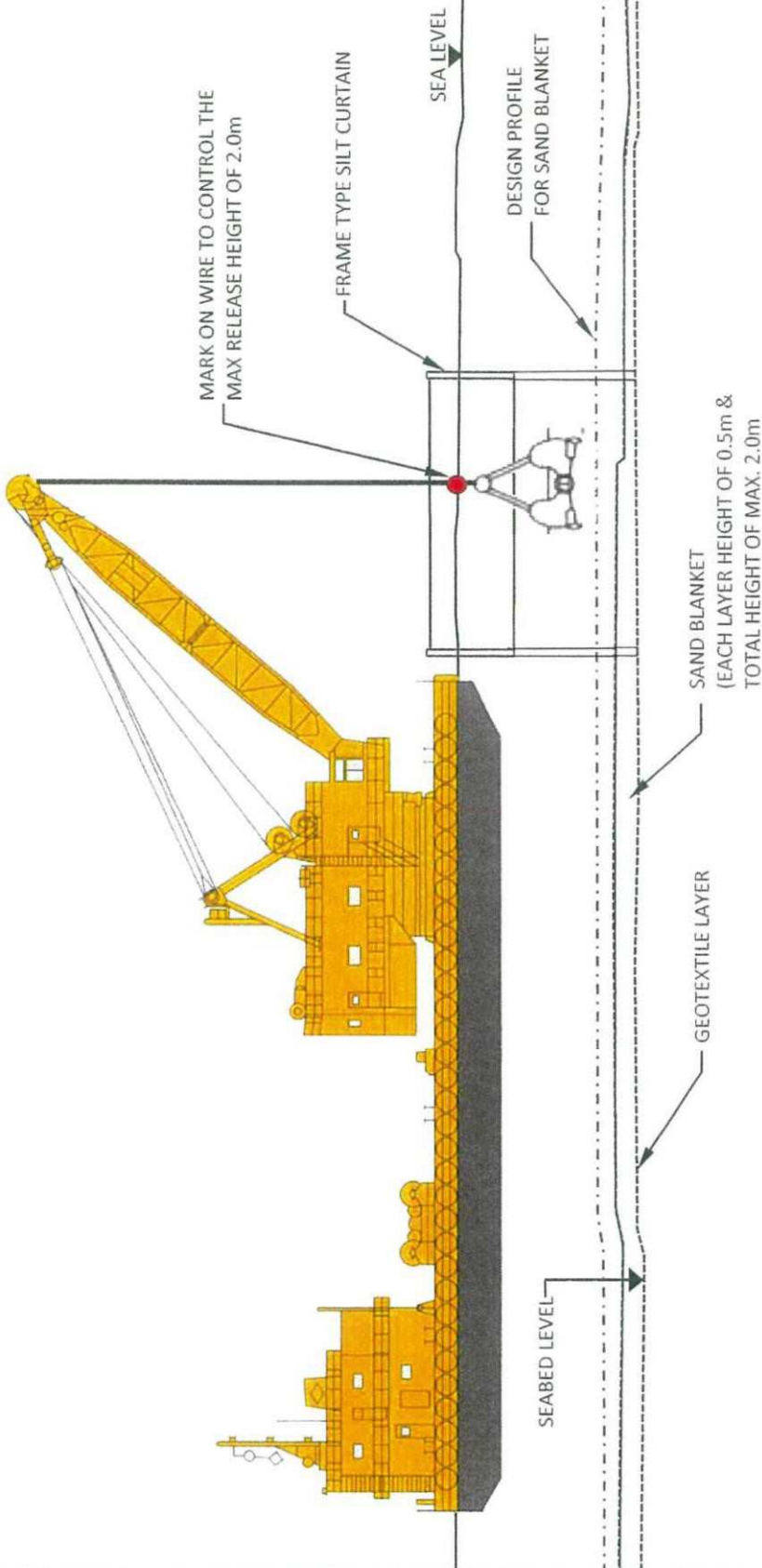
## **Layout of Silt Curtain**

## **Appendix C1**

# **Localized Silt Curtain Arrangement for Dredge Barge with Closed Grab**

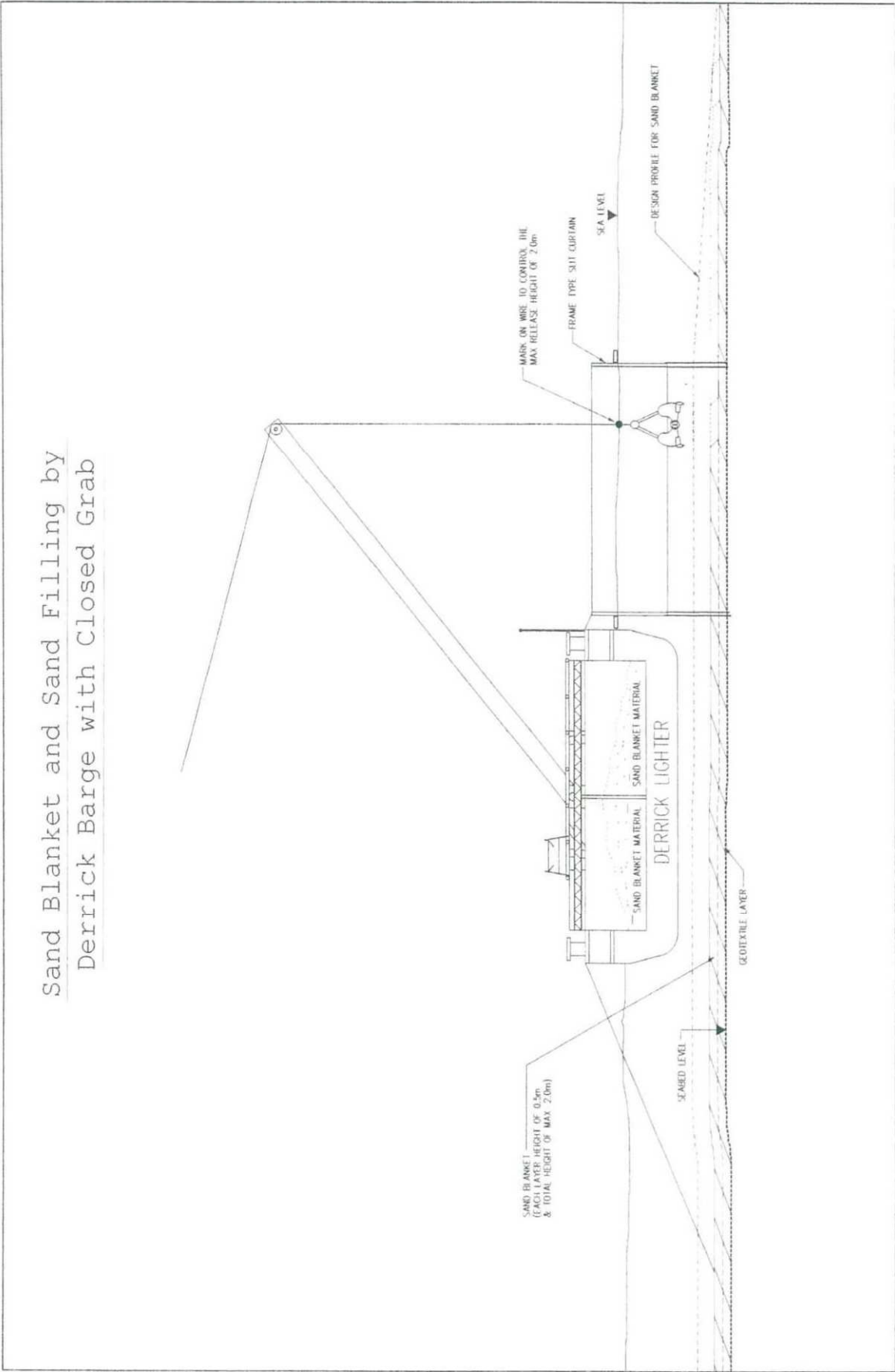


Sand Blanket and Sand Filling by Dredge Barge with Close Grab



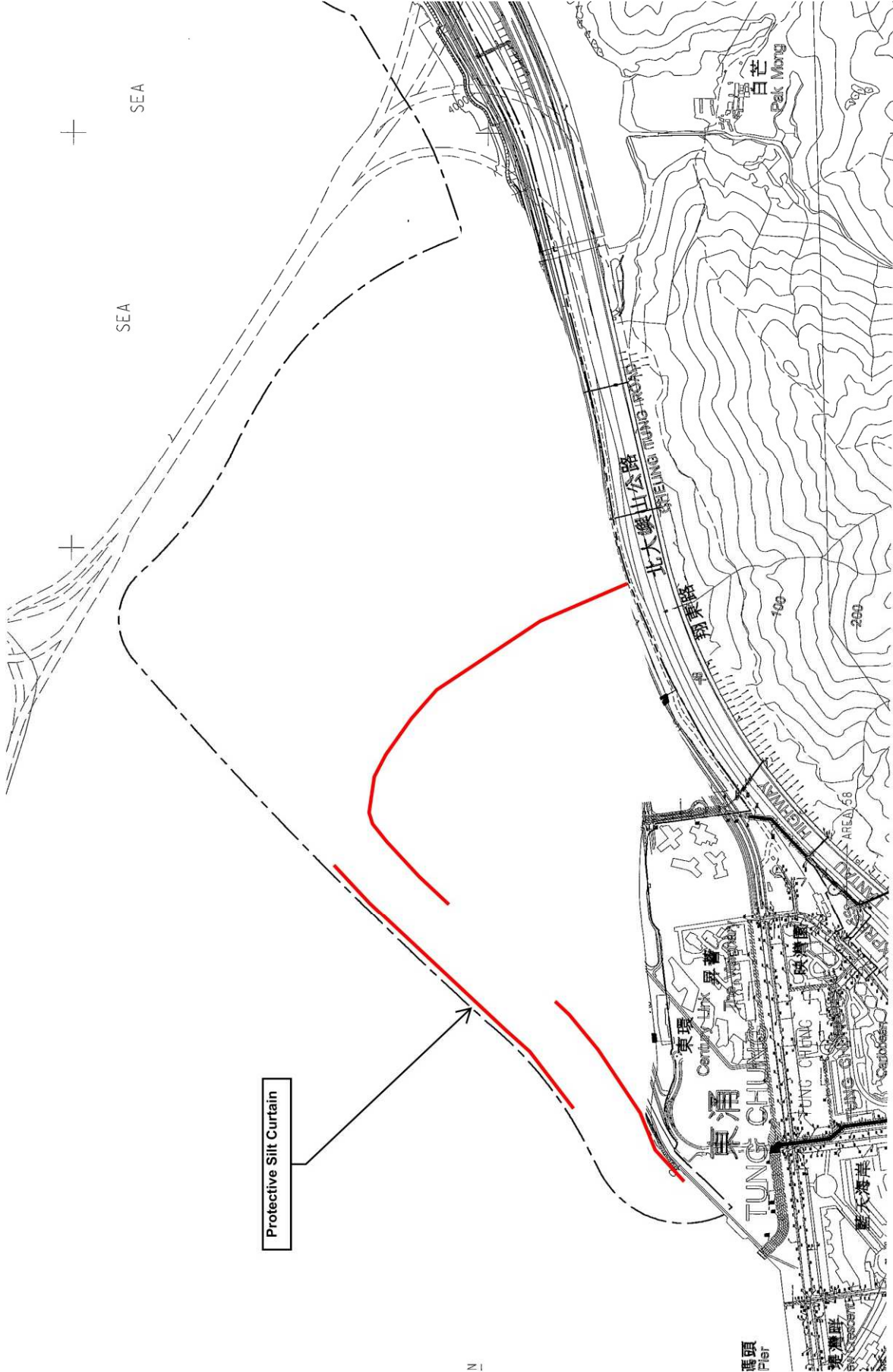
# **Appendix C2**

## **Localized Silt Curtain Arrangement for Derrick Barge with Closed Grab**



# **Appendix C3**

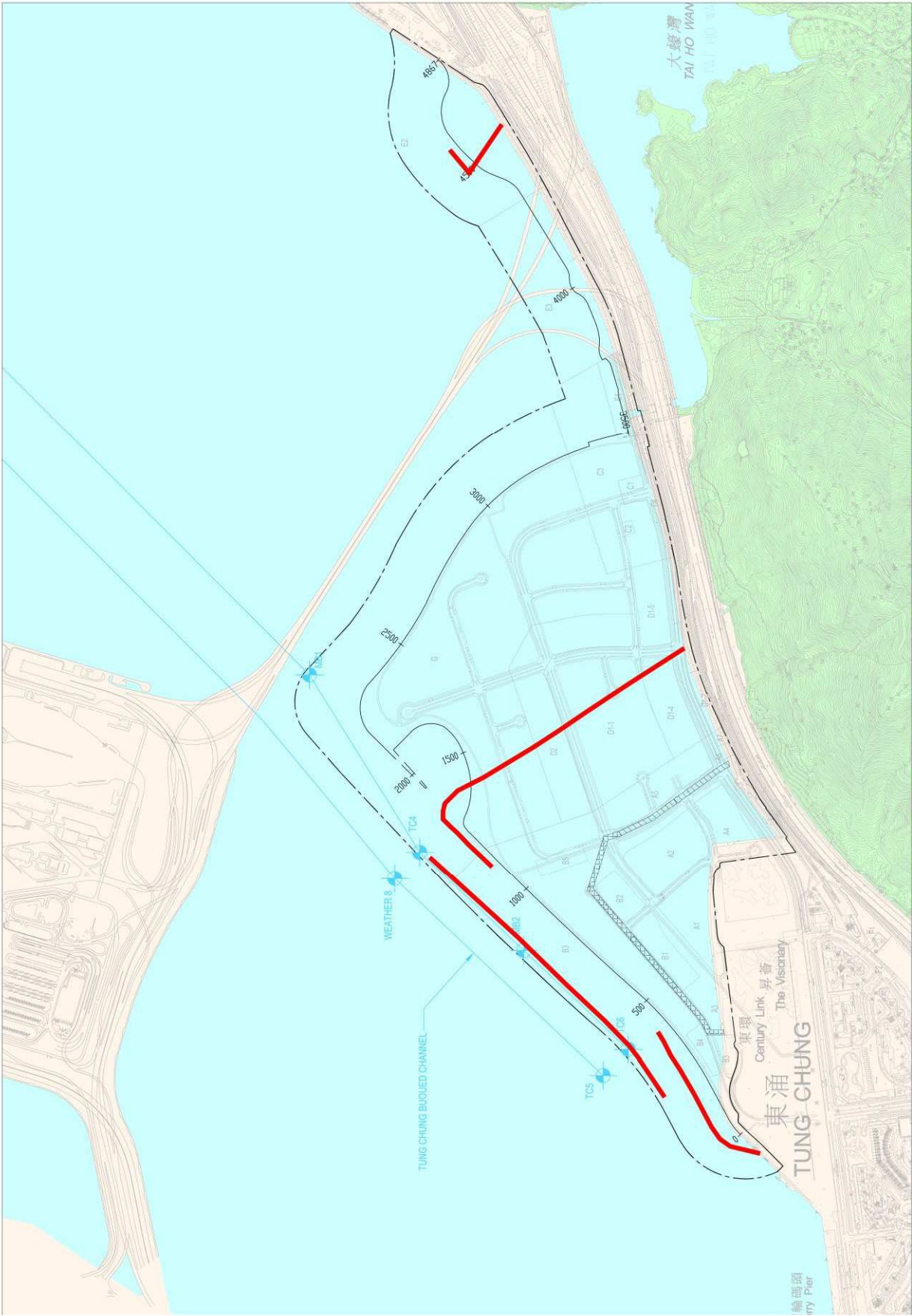
## **Silt Curtain Layout for Protective Silt Curtain before Commencement of Construction Works**



## **Appendix C4**

# **Silt Curtain Layout during DCM Trial for DCM Trial Embankment (at the Works Area Near Tai Ho Wan)**

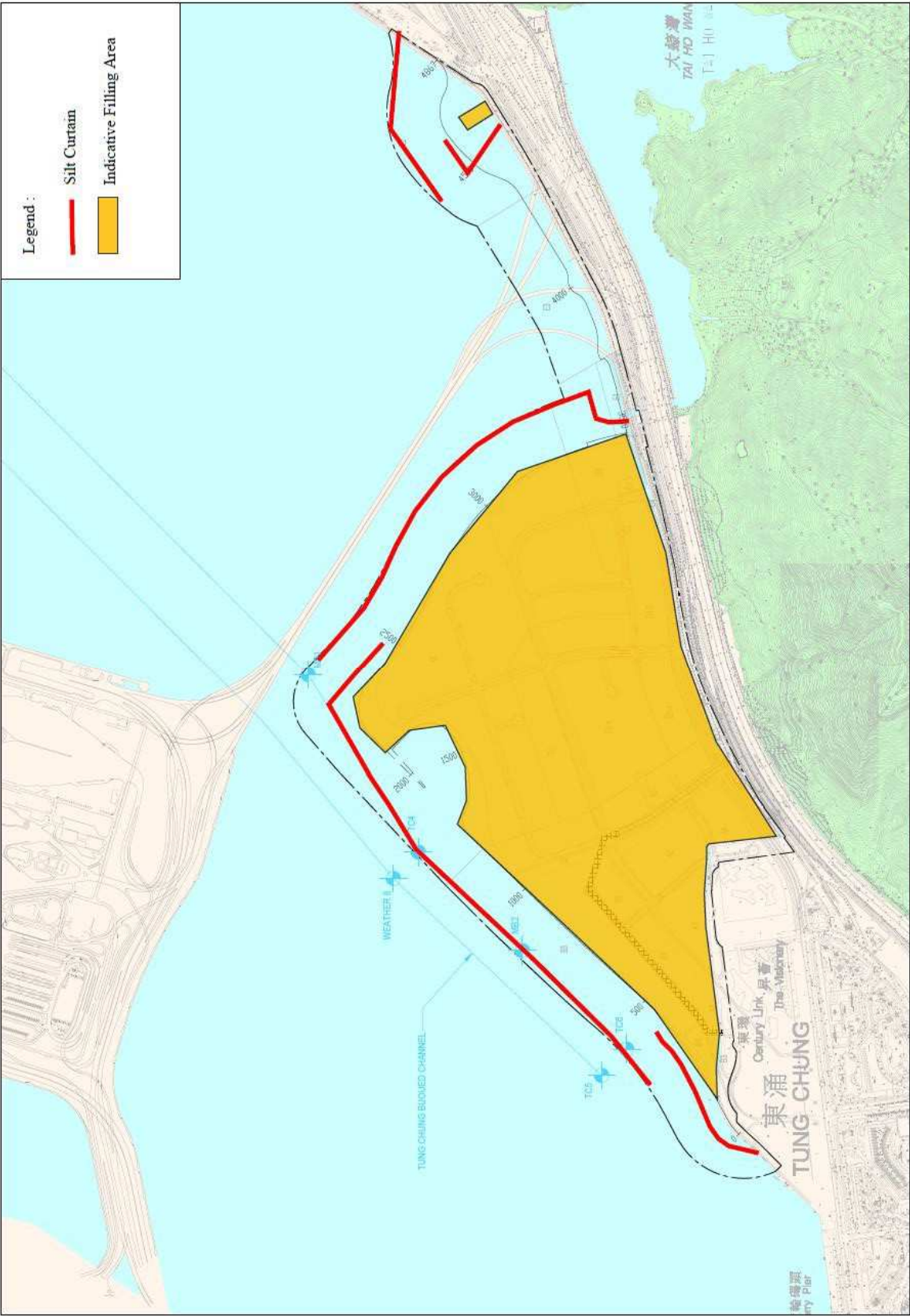




## **Appendix C5**

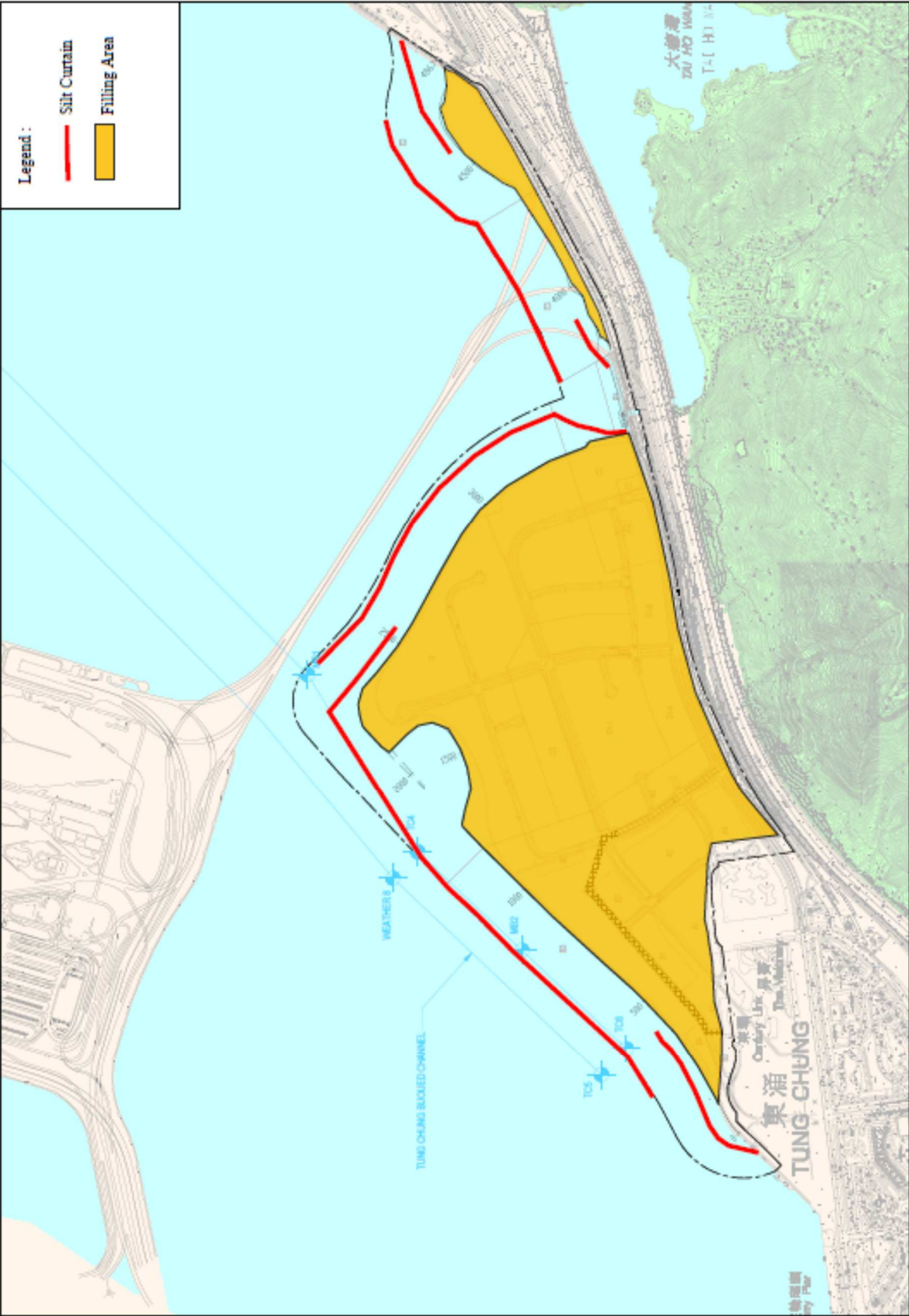
# **Silt Curtain Layout during Reclamation Filling for DCM Trial Embankment (at the Works Area Near Tai Ho Wan)**





## **Appendix C6**

# **Silt Curtain Layout for the Perimeter Silt Curtain during all Reclamation Works**



# **Appendix D**

## **Silt Curtain Inspection Checklist**

Contract No. NL/2017/03  
 Tung Chung New Town Extension -  
 Reclamation and Advance Works

Client : Civil Engineering and Development Department  
 Consultant : AECOM  
 Main Contractor : Build King - SCT Joint Venture

**Silt Curtain Daily Inspection Checklist**

Silt Curtain ID : \_\_\_\_\_  
 Location : \_\_\_\_\_  
 Inspection Date and Time : \_\_\_\_\_

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

Checked by : \_\_\_\_\_  
 On Behalf of Build King - SCT Joint Venture

Endorsed by : \_\_\_\_\_  
 On behalf of AECOM

\*Note : For silt curtain with defects which need to be rectified immediately, related marine works have to be stopped until rectification works are completed to the satisfaction of the Supervisor.

# **Appendix E**

## **Implementation Schedule of the Major Environmental Mitigation Measures**



**Implementation Schedule of the Major Environmental Mitigation Measures**

| SCDP Ref. | Recommended Major Environmental Mitigation Measures  | Objectives of the Recommended Measures & Main Concerns to address | Implementation Agent | Location / Timing            | Implementation Stage |
|-----------|--|---|----------------------|------------------------------|----------------------|
| S2.0      | <p><u>Silt Curtain Deployment Programme</u></p> <p>In case the silt curtain layout has to be updated due to potential work constraints or marine safety, the proposed silt curtain layout shall be reviewed and agreed by the Environmental Team and the Independent Environmental Checker as sufficient to control the potential water quality impact due to the associated marine works before implementation</p>  | <p>Review on the proposed silt curtain layout</p>                 | Contractor           | Silt curtain deployment zone | Construction phase   |
| S3.0      | <p><u>Design of Silt Curtain</u></p> <p>The floating single silt curtain consists of a layer of geotextile tied on 500mm diameter sub-buoys. The geotextile extended to the seabed level secured by steel chain ballast. The buoys will be further positioned by nylon ropes tied on nearby existing structures. Sufficient length of geotextile will be provided such that the silt curtain can be extended from the water surface to the seabed during high tide condition. The minimum overlapping length between the different sheet is 150m. Silt curtain (Model DSP15) with curtain depth of 7.4m (D=7.4m) and curtain strength 15 ton/m (Canvas (15ton/m)) is deployed in this project.</p>   | <p>Minimize water quality impacts</p>                             | Contractor           | Silt curtain deployment zone | Construction phase   |
| S4.0      | <p><u>Silt Curtain Installation</u></p> <ol style="list-style-type: none"> <li>i) Link up 500mm buoys together by a net</li> <li>ii) Tie up top end of the geotextile to the buoys net and the bottom end with steel chain ballast before transportation.</li> <li>iii) Transport the silt curtain to the location for fixing via a marine pontoon.</li> <li>iv) Refer to the Environmental Permit No. EP-519/2016 Clause 2.27, a dolphin exclusion zone of 250m shall be implemented around the reclamation site during the installation or redeployment of the perimeter silt curtain. Before the start of the installation work, Qualified Ecologists with dolphin monitoring experience shall scan the exclusion zone for at least 30 minutes. If dolphins are observed in the exclusion zone, the installation</li> </ol> | <p>Minimize water quality impacts</p>                             | Contractor           | Silt curtain deployment zone | Construction phase   |

| SCDP Ref. | Recommended Major Environmental Mitigation Measures  | Objectives of the Recommended Measures & Main Concerns to address | Implementation Agent | Location / Timing                   | Implementation Stage      |
|-----------|--|---|----------------------|-------------------------------------|---------------------------|
| S5.0      | <p>work shall be delayed until the dolphins left the area.</p> <ul style="list-style-type: none"> <li>v) Workers tie the buoys to the water and then slowly put the geotextile with the steel chain ballast into sea.</li> <li>vi) Put the buoys to the water and then slowly put out the geotextile with the steel chain ballast into sea.</li> <li>vii) In order to maintain the position of the silt curtain especially at location with strong current, place concrete sinkers to the seabed if required and tie the silt curtain to the sinkers with nylon strings by divers.</li> </ul> <p>If dolphins are observed within the exclusion zone during the installation work, the relevant part of the work shall cease until the dolphins left the area.</p> <p>Once the perimeter silt curtains are installed or re-deployed, the Dolphin Watching Plan shall be implemented as part of the EM&amp;A programme.</p>  | <p>Minimize water quality impacts</p>                             | <p>Contractor</p>    | <p>Silt curtain deployment zone</p> | <p>Construction phase</p> |
|           | <p><u>Operation and Maintenance of Silt Curtain</u></p> <ul style="list-style-type: none"> <li>i) On-board supervisors will be assigned to check the condition of the silt curtain before commencement of works every day. Completed inspection checklist will be kept on site for record purpose. Refer <b>Appendix D</b> for the sample of Silt Curtain Daily Inspection Checklist. Diver inspection will be arranged after adverse weather and when necessary.</li> <li>ii) For the tentative arrangement of silt curtain under adverse weather (e.g. Red or Black Rainstorm, Typhoon Signal No. 3 or above etc.), the silt curtain will not be temporary removed during adverse weather. However, related works will be suspended immediately if silt curtain is found any damaged. Immediate inspection of silt curtain after adverse weather is necessary. Checking procedures include (1) lift up the silt curtain for water by derrick barge, (2) sew (double-line sew) a new piece of geotextile to the existing geotextile to cover the damage area, (3) ensure sufficient overlapping length (150m) &amp; width of gap</li> </ul> |   |                      |                                     |                           |



| SCDP Ref. | Recommended Major Environmental Mitigation Measures  | Objectives of the Recommended Measures & Main Concerns to address | Implementation Agent | Location / Timing                   | Implementation Stage      |
|-----------|--|---|----------------------|-------------------------------------|---------------------------|
| S6.0      | <p>Recommended Major Environmental Mitigation Measures</p> <p>(100m) and (4) diver inspection shall be carried out if necessary to inspect the installation and decommission of silt curtain to ensure proper installation and functioning of the silt curtain according to the design drawings. Nearby marine works will resume after repairing of the damaged silt curtains.</p> <p>iii) Refuse around the silt curtain will be collected at regular intervals on a daily basis so that water behind the silt curtains will be kept free from floating debris.</p> <p>iv) Sufficient spare geotextile will be kept on site for replacing of damaged silt curtains. The spare geotextile shall be kept in place to avoid direct contact with water and sunlight.</p> <p>When insignificant defect of silt curtain gap less than one unit length of the silt curtain (around 20m), BKSCITJV Inspection team will inform BKSCITJV Marine and Environmental Department, and arrange resource to carry out repairing work.</p> <p>When significant defect of silt curtain gap greater than one unit length of the silt curtain (around 20m), the reporting mechanism specified in Section 5 should be implemented.</p> <p><u>Removal of Silt Curtain</u></p> <p>Prior to removal of silt curtains, all marine works for which the silt curtains are deployed shall be stopped and visual inspection of the water quality within the area protected by silt curtains shall be conducted to confirm no sediment plume remaining within the works area before commencing silt curtain removal.</p> <p>Floating silt curtains shall be removed by detaching the chain connecting the silt curtain to the anchors. Care should be taken to protect the silt curtain skirt from damage as it is dragged from the water. The remaining anchors shall be individually connected to the crane by divers and carefully lifted off the seabed for recovery onto the barge to minimize the disturbance to the seabed.</p> | <p>Minimize water quality impacts</p>                             | <p>Contractor</p>    | <p>Silt curtain deployment zone</p> | <p>Construction phase</p> |