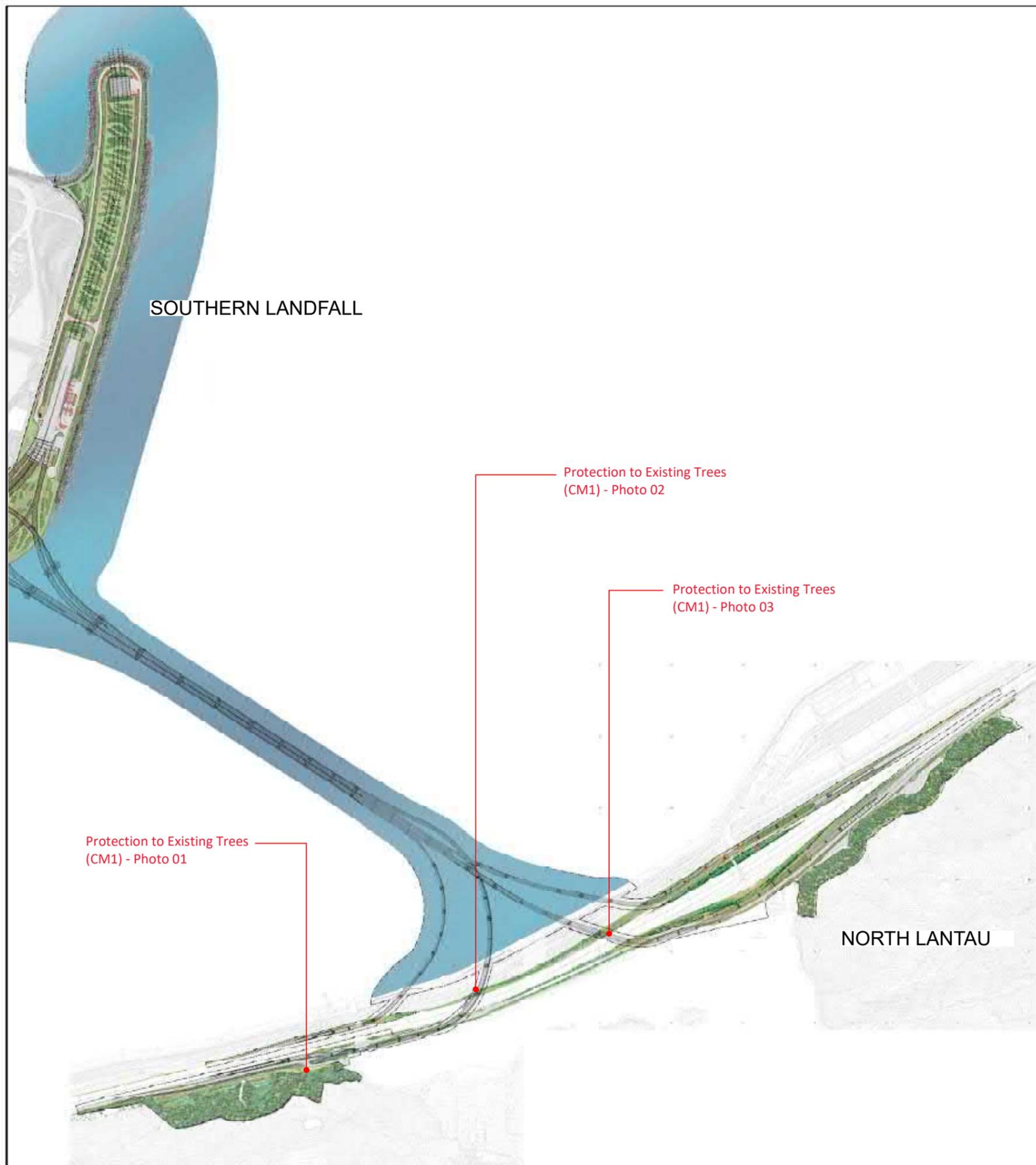


Appendix H

Mitigation Measures at Construction Phase



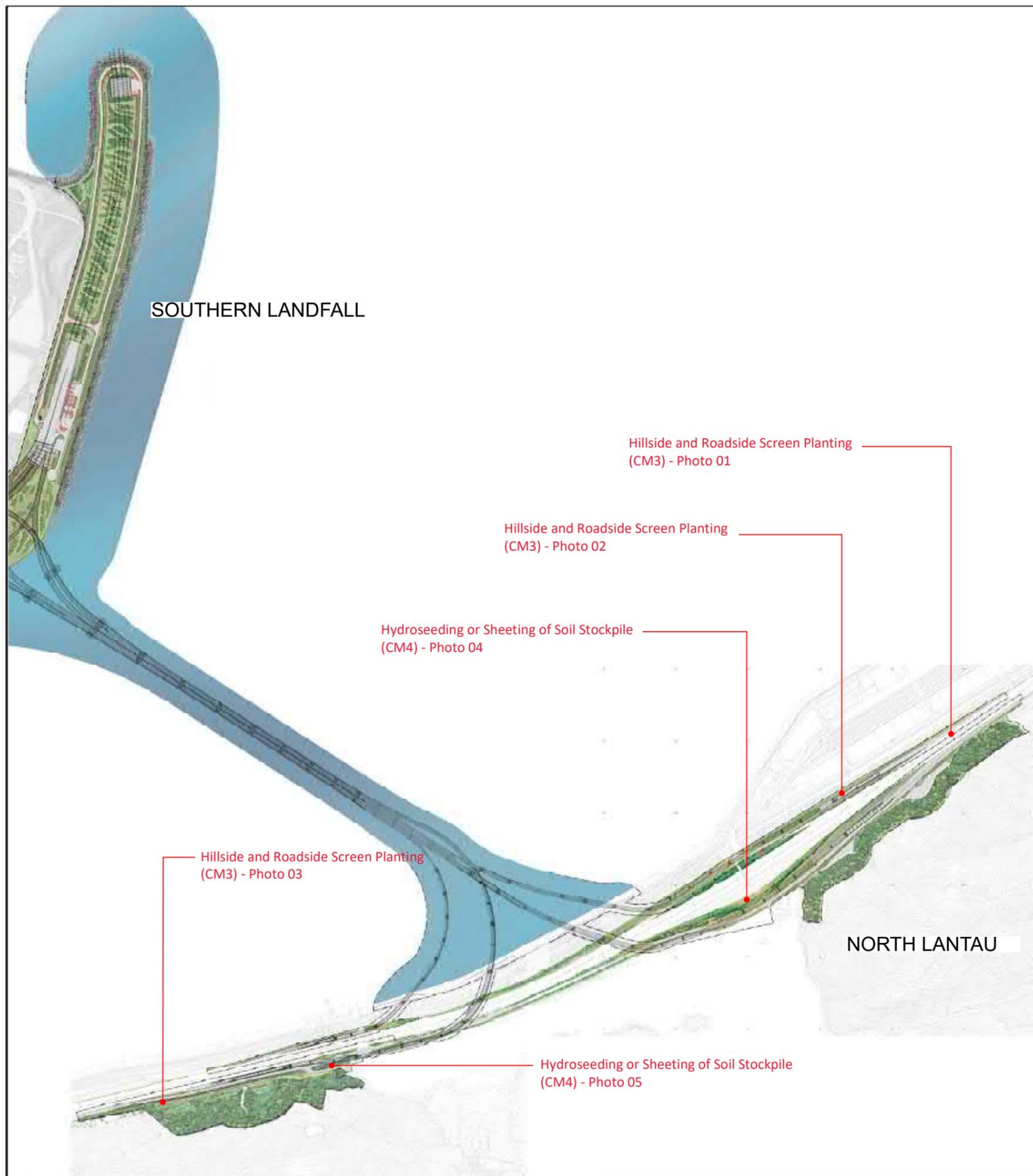
Protection to Existing Trees (CM1)



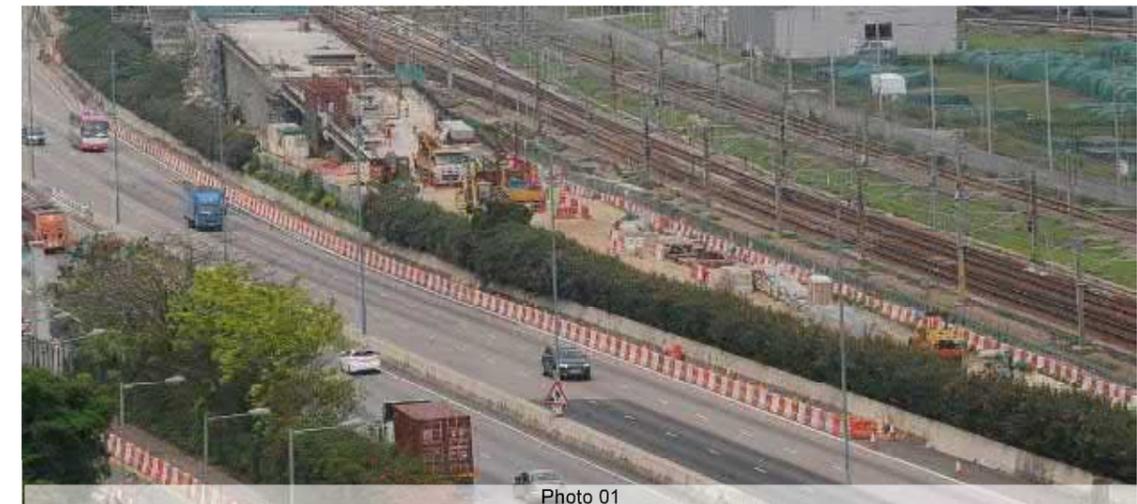
Chain link fence for tree protection



Water barriers with panels for tree protection



Hillside and Roadside Screen Planting (CM3)



Vegetation not affected by works was not cleared under site clearance provided some screening of construction works.

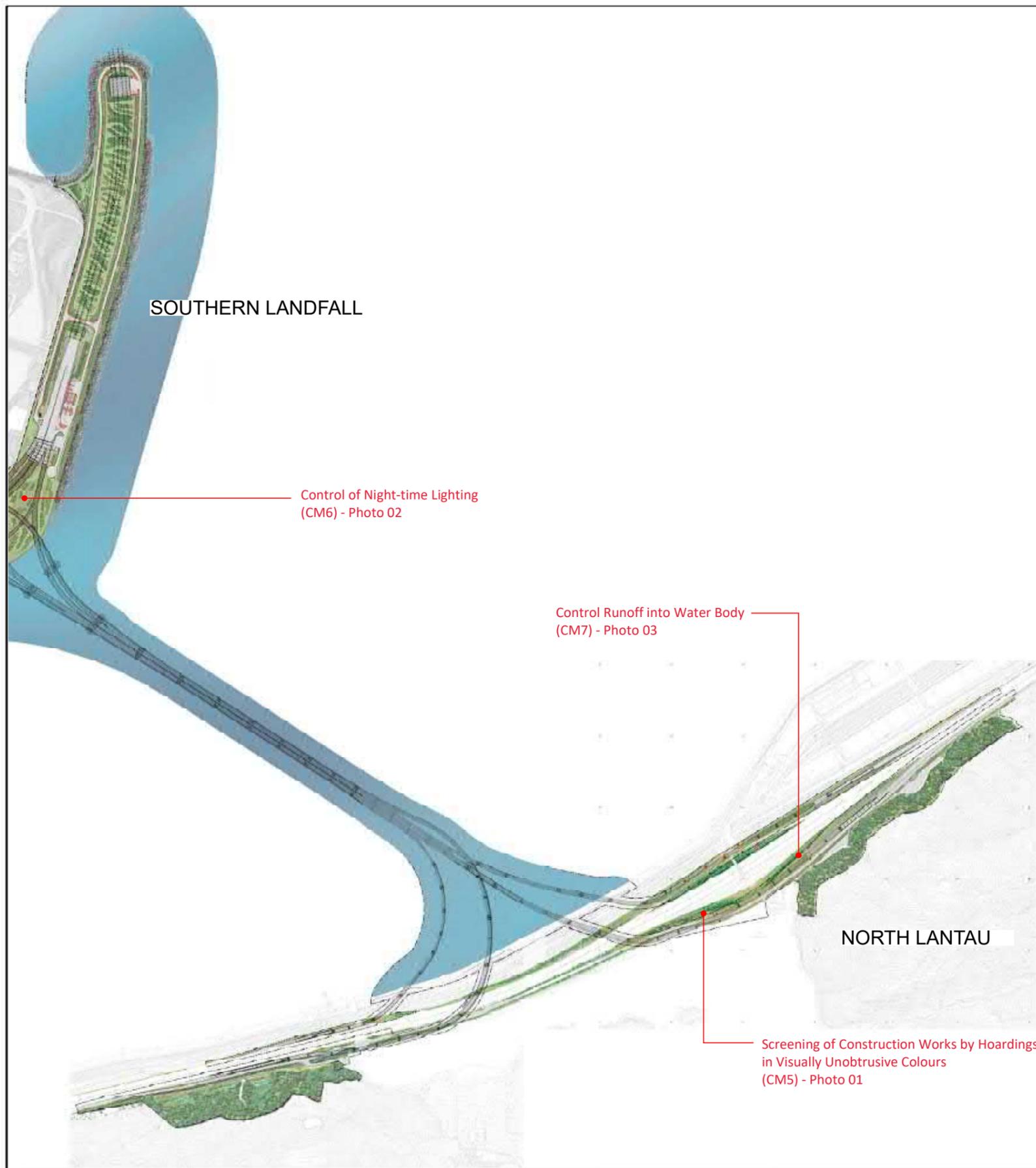


Roadside planting to road associated Hillside planting structure

Hydroseeding or Sheeting of Soil Stockpile (CM4)



Hydroseeding on soil slopes and sheeting of soil stockpiles to prevent erosion and dust generation with visually unobtrusive material



Screening of Construction Works by Hoardings in Visually Unobtrusive Colours (CM5)



Photo 01

Barriers with visually unobtrusive colours to screen works

Control of Night-time Lighting (CM6)



Photo 02

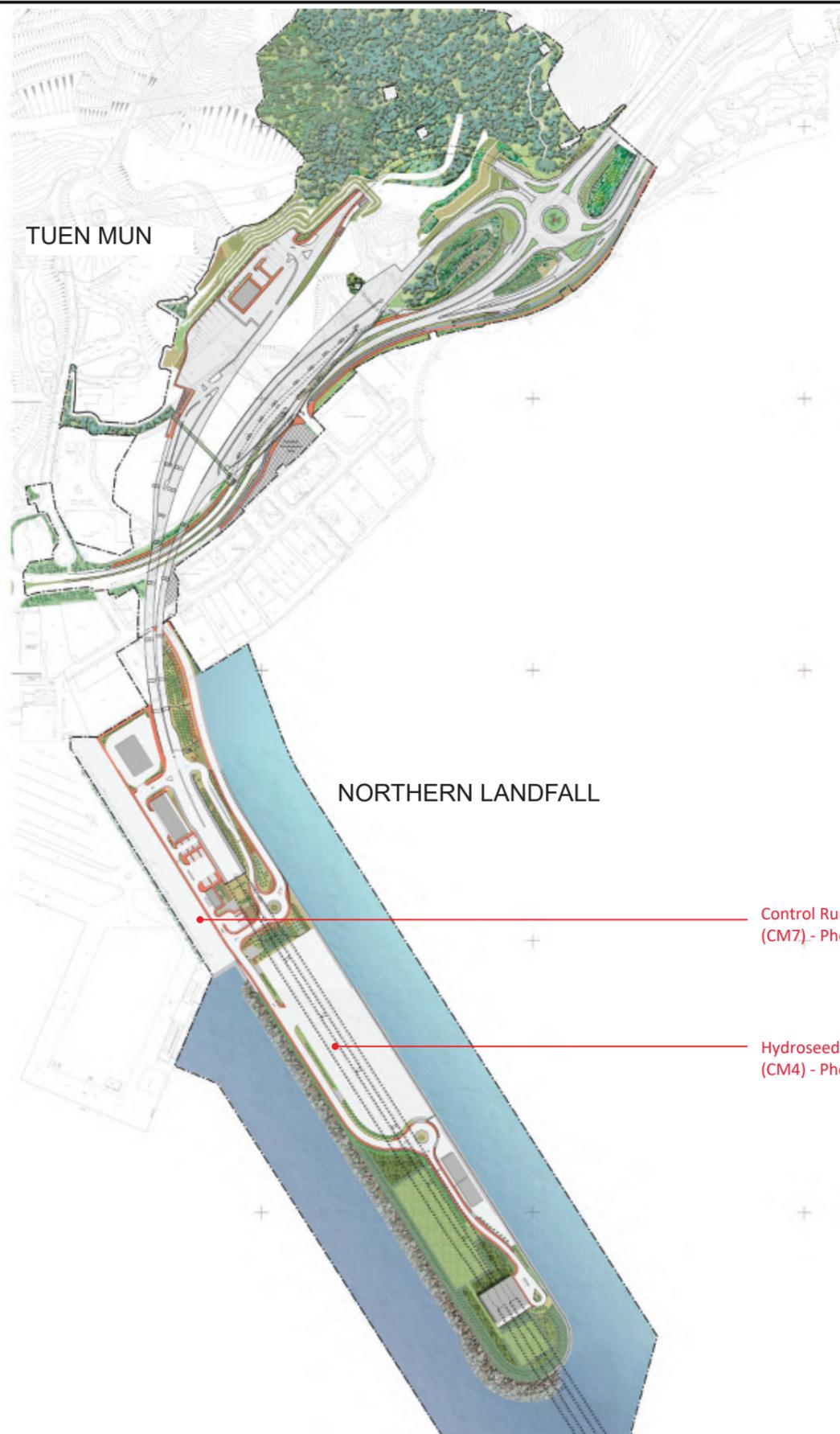
Lighting in the Southern Landfall was subject to the requirement on aviation aspects. Lights shall not form a source of glare or in any way affect pilots and air traffic controllers. All lights shall not project skyward.

Control Runoff into Water Body (CM7)



Photo 03

Site runoff was collected and treated in the waste water treatment facilities before discharged into the adjacent water bodies.



Hydroseeding or Sheeting of Soil Stockpile (CM4)

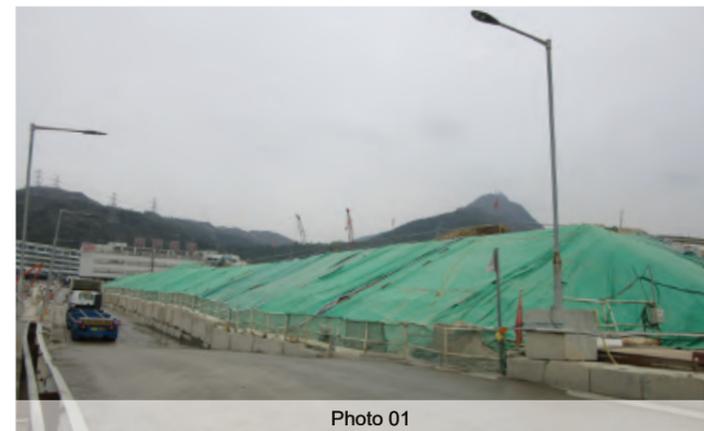


Photo 01



Photo 02

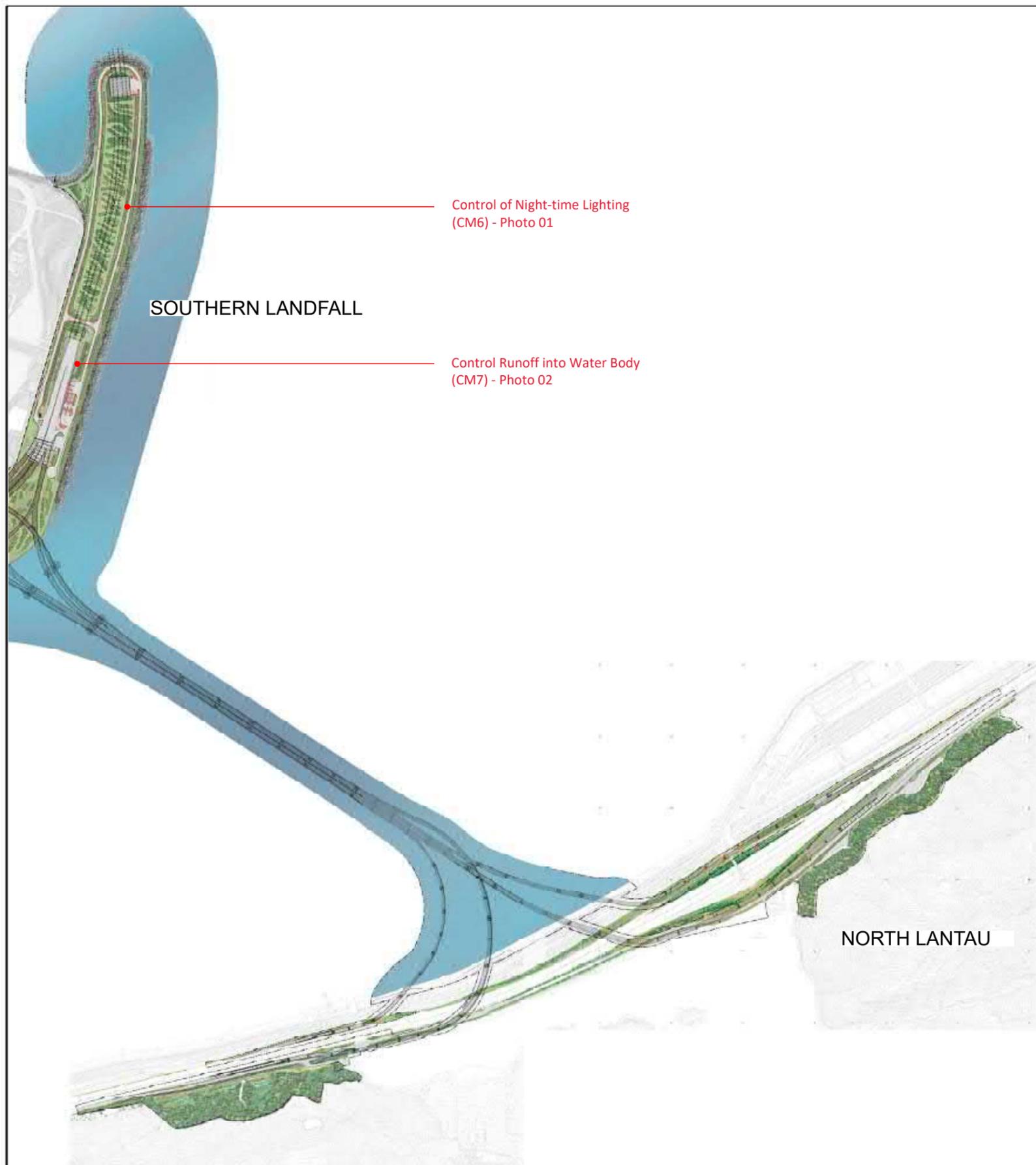
Sheeting of soil stockpiles to prevent erosion and dust generation with visually unobtrusive material

Control Runoff into Water Body (CM7)



Photo 03

Site runoff was collected and treated in the waste water treatment facilities before discharged into the adjacent water bodies.



Control of Night-time Lighting (CM6) - Photo 01

Control Runoff into Water Body (CM7) - Photo 02

Control of Night-time Lighting (CM6)



Photo 01

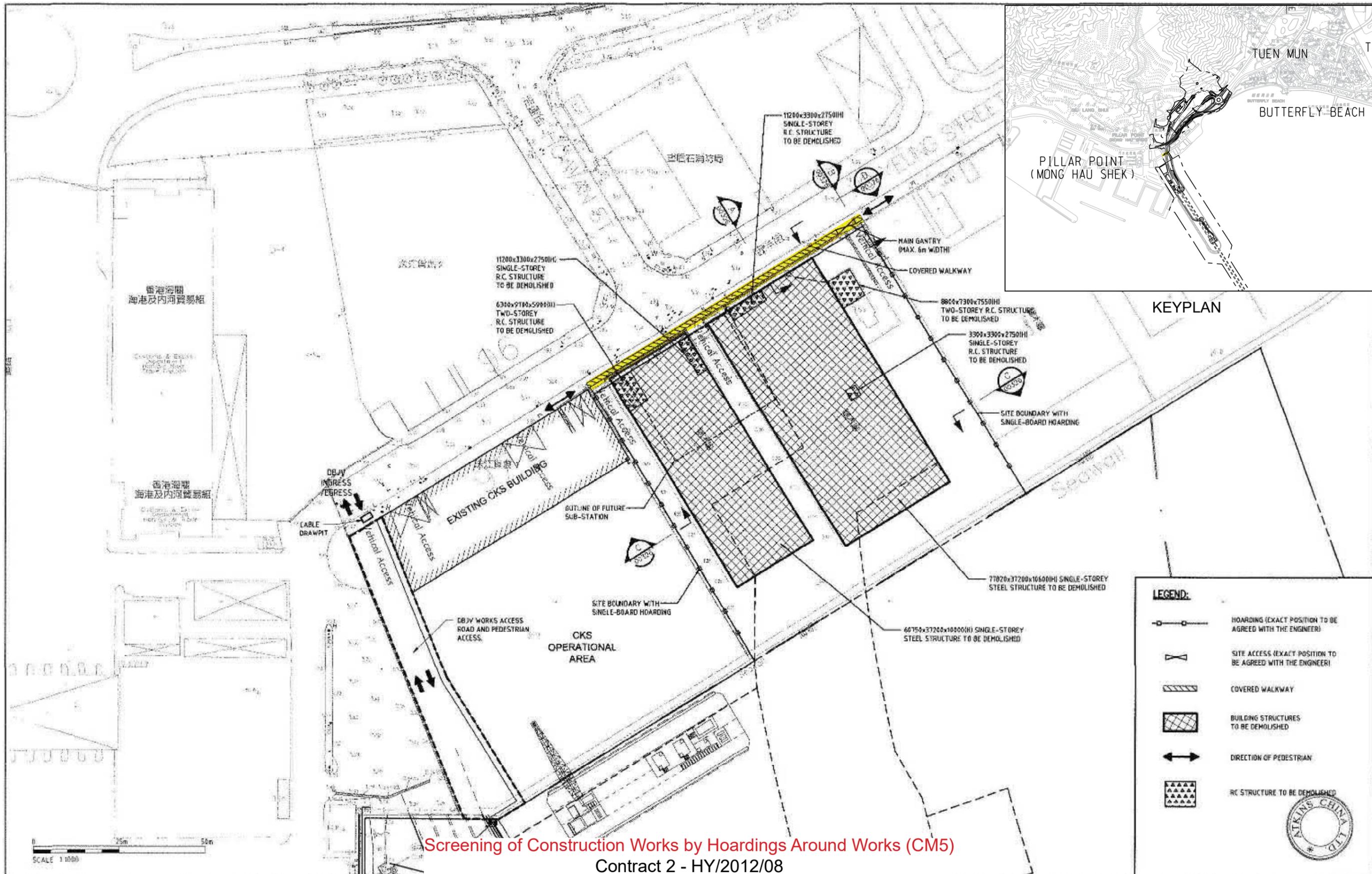
Lighting in the Southern Landfall is subject to the requirement on aviation aspects. Lights shall not form a source of glare or in any way affect pilots and air traffic controllers.

Control Runoff into Water Body (CM7)



Photo 02

Site runoff was collected and treated in the waste water treatment facilities before discharged into the adjacent water bodies.



Screening of Construction Works by Hoardings Around Works (CM5)
Contract 2 - HY/2012/08

Rev.	Description	Date	Checked
A	FIRST ISSUE	19OCT13	plv
B	SUB-STATION OUTLINE ADDED	28OCT13	plv
C	RC STRUCTURE TO DEMOLISH SHOWN	04NOV13	plv
D	GATE & SECTION BB MOVED	28NOV13	BSh

Designed By: plv
Drawn To: DAJ/GAn
Approved By: SPo
Date: 19OCT2013

Man Concrete:

Client:

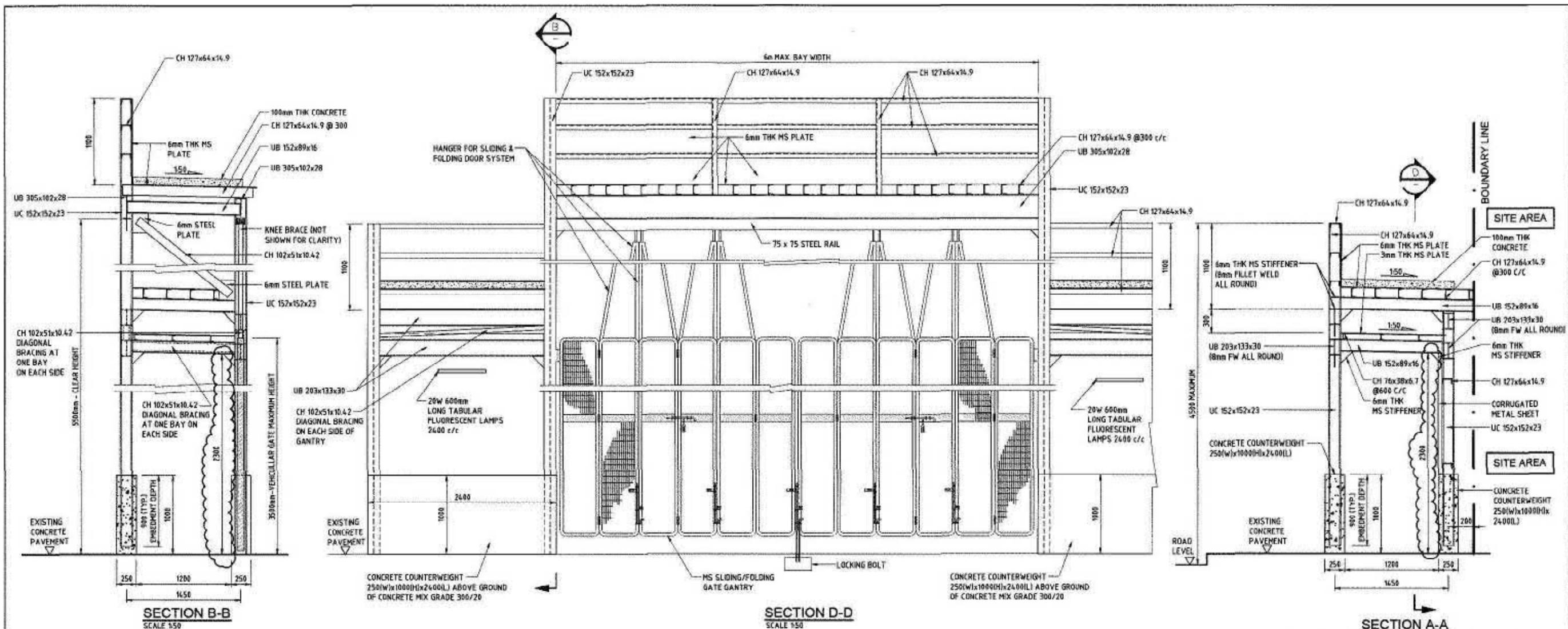
Contractor's Designer:

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

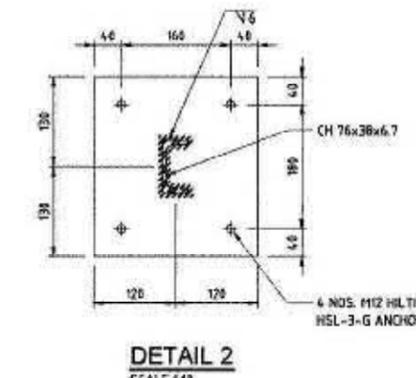
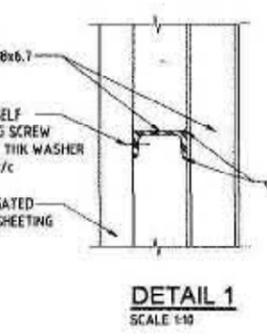
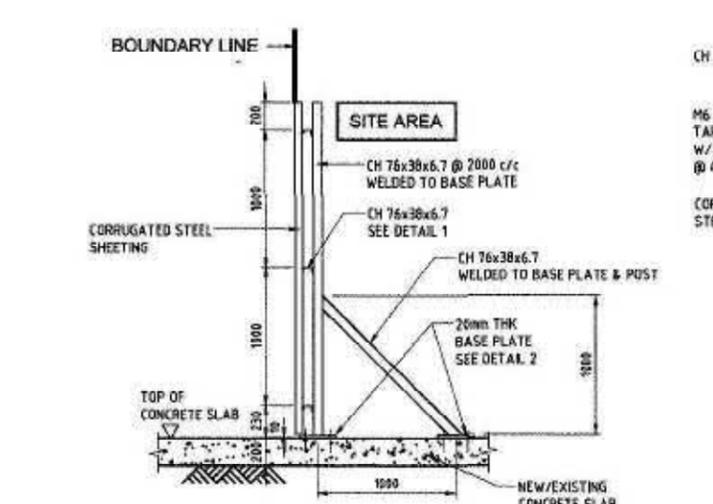
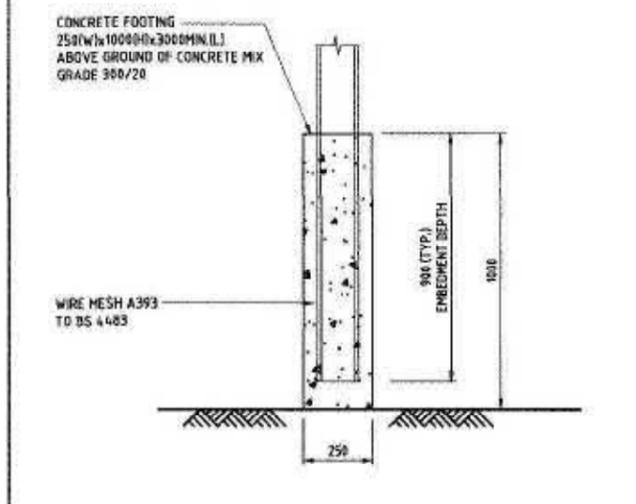
GENERAL-PORION 6 DEMOLITION WORKS
SITE LAYOUT OF PROPOSED HOARDING
AND DEMOLITION WORKS (SHEET 1 OF 2)

Figure 8.6i

THE OWNERSHIP OF THE COPYRIGHT IN THIS DRAWING IS RESERVED BY THE ISSUER WHOSE CONSENT MUST BE OBTAINED BEFORE ANY USE OR REPRODUCTION OF THE DRAWING OR ANY PART THEREOF CAN BE MADE.



Screening of Construction Works by Hoardings Around Works (CM5)
Contract 2 - HY/2012/08



DESIGN ASSUMPTIONS:

- A) ALL STRUCTURAL STEELWORK SHALL BE GRADE 250 AND DESIGN COMPLIES WITH STRUCTURAL USE OF STEEL IN HONG KONG, 1987.
- B) ALL CONNECTIONS BETWEEN STEEL MEMBERS SHALL BE 6mm FILLET WELD LEG LENGTH ALL AROUND.
- C) WIND LOAD IS BASED ON 0.67kPa, i.e. 37% OF THE DESIGN WIND PRESSURE OF 1.82kPa.
- D) SAFE BEARING PRESSURE OF SOIL UNDERNEATH PAVEMENT IS 100kPa (OR 125kPa WITH WIND CONDITION)
- E) NO OVERHANG OF THE CATCH PLATFORM ON THE SIDE OF THE CARRIAGEWAY.

TYPICAL DETAIL OF CONCRETE COUNTERWEIGHT FOR COVERED WALKWAY
SCALE 1:25

SECTION C-C
PROPOSED SINGLE BOARD HOARDING (2440mm HIGH)
SCALE 1:50

DETAIL 1
SCALE 1:10

DETAIL 2
SCALE 1:10

Rev	Description	Date	Checked
F	ICE COMMENTS ADDED	29NOV13	pkv
E	DESIGN ASSUMPTIONS & BEAM HT ADDED	29NOV13	pkv
D	DETAILS REVISED TO BD STANDARD	29NOV13	BSh
C	SECTIONS A-A, B-B & D-D REVISED	04NOV13	pkv
B	REVISED HOARDING (SECTION C-C)	31OCT13	BSh/pkv
A	FIRST ISSUE	19OCT13	pkv

	<p>Contract No. HY/2012/08 Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-Sea Tunnel Section</p>
<p>Client: HIGHWAYS DEPARTMENT</p>	<p>Contractor's Designer: ARUP Ove Arup & Partners Hong Kong Limited</p>
<p>Project: GENERAL-PORION 6 DEMOLITION WORKS SITE LAYOUT OF PROPOSED HOARDING AND DEMOLITION WORKS (SHEET 2 OF 2)</p>	<p>Figure 8.6ii</p>

THE OWNERSHIP OF THE COPYRIGHT IN THIS DRAWING IS RETAINED BY THE DESIGNER. NO PART OF THIS DRAWING OR ANY PART THEREOF CAN BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER.



Protection to Existing Trees (CM1)

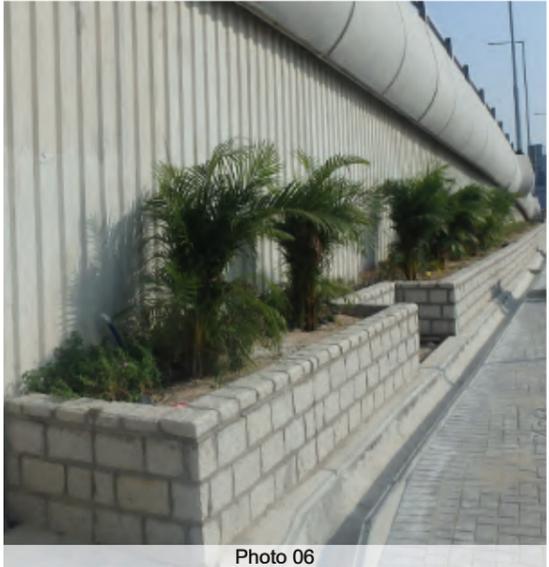


Water barriers with panels for on-site tree protection

Hillside and Roadside Screen Planting (CM3)

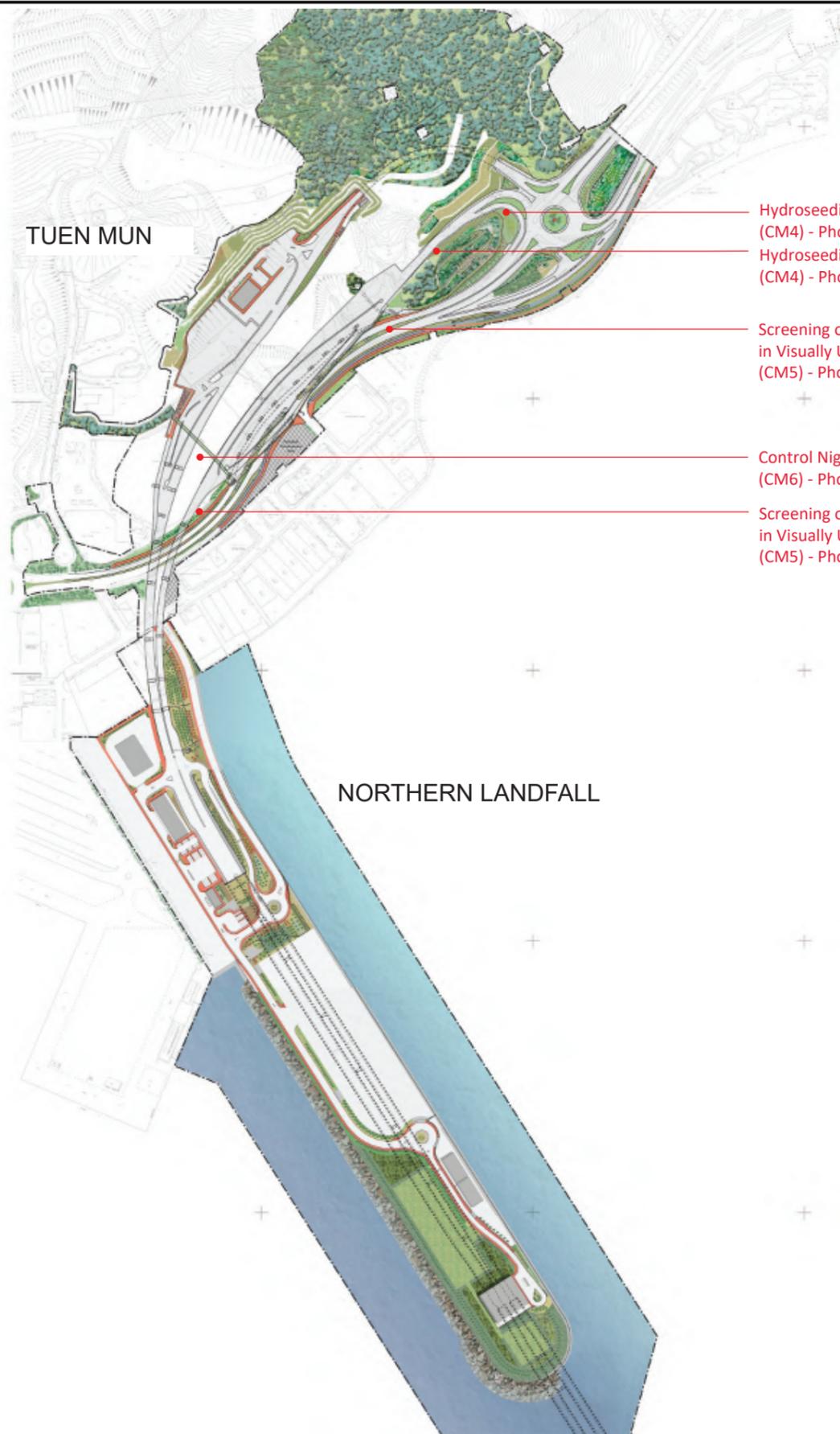


Vegetation not affected by works was not cleared under site clearance provided some screening of construction works.



Screen planting on rock slope with berm planter

Screen planting to road associated structure



TUEN MUN

NORTHERN LANDFALL

Hydroseeding or Sheeting of Soil Stockpile (CM4) - Photo 02

Hydroseeding or Sheeting of Soil Stockpile (CM4) - Photo 01

Screening of Construction Works by Hoardings in Visually Unobtrusive Colours (CM5) - Photo 04

Control Night-time Lighting (CM6) - Photo 05

Screening of Construction Works by Hoardings in Visually Unobtrusive Colours (CM5) - Photo 03

Hydroseeding or Sheeting of Soil Stockpile (CM4)



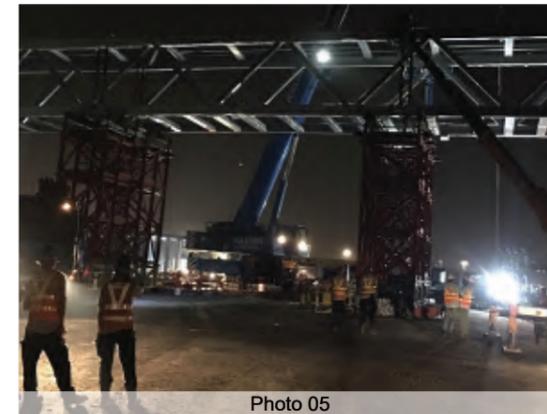
Hydroseeding on soil slopes and sheeting of soil stockpiles to prevent erosion and dust generation with visually unobtrusive material.

Screening of Construction Works by Hoardings in Visually Unobtrusive Colours (CM5)



Barriers with visually unobtrusive colours to screen works.

Control of Night-time Lighting (CM6)



No excessive lighting for night-time operations

TUEN MUN

Control Runoff into Water Body (CM7) - Photo 01 to Photo 03

NORTHERN LANDFALL

Control Runoff into Water Body (CM7)



Photo 01

Site runoff was collected and treated in the waste water treatment facilities before discharged into the adjacent water bodies.

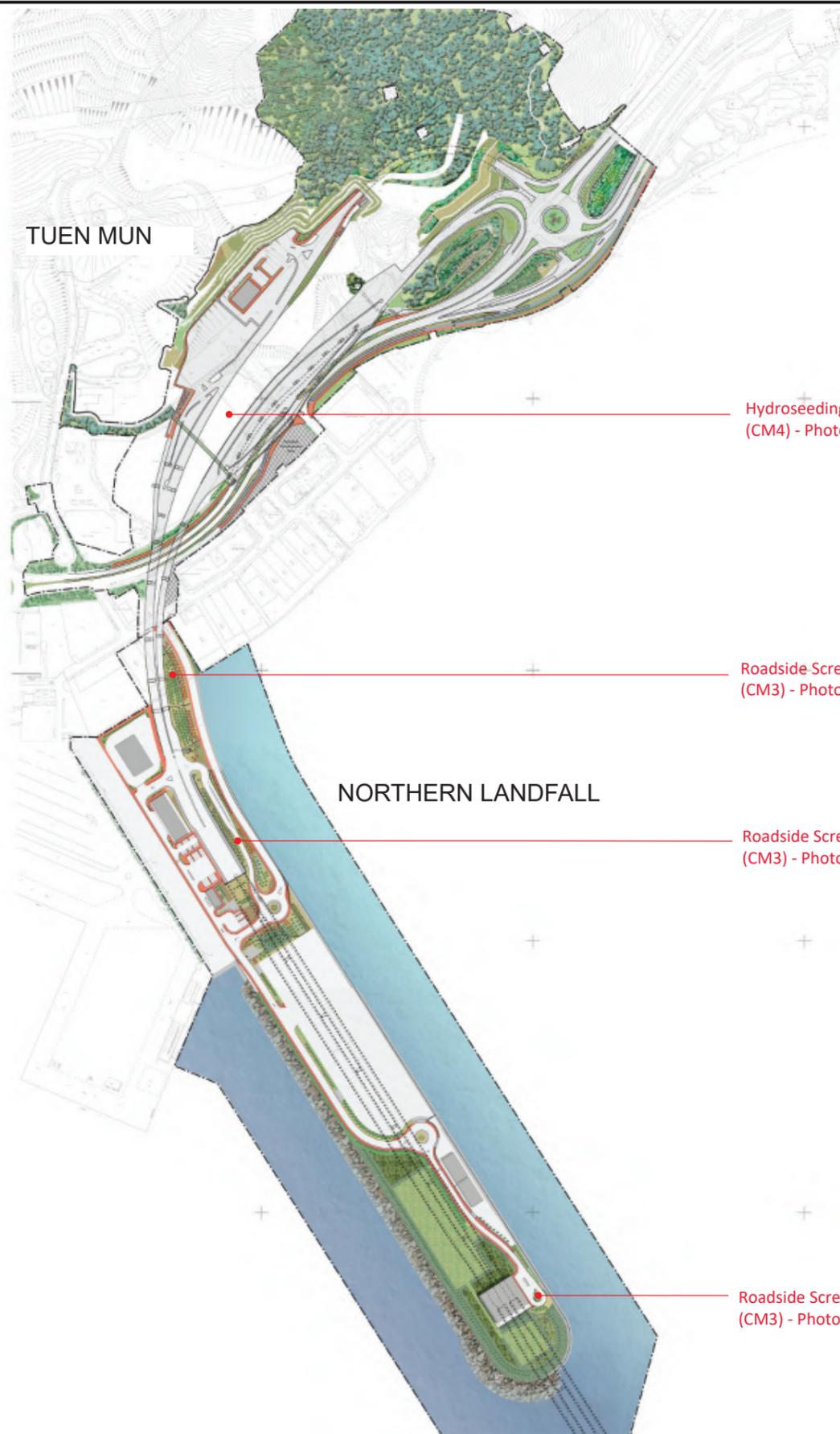


Photo 02



Photo 03

Discharge from site shall not endanger public health or causing harm to the sewerage or drainage system. Water sample was collected and tested for compliance with the safety standard.



Hydroseeding or Sheeting of Soil Stockpile (CM4) - Photo 04

Roadside Screen Planting (CM3) - Photo 03

Roadside Screen Planting (CM3) - Photo 02

Roadside Screen Planting (CM3) - Photo 01

Hillside and Roadside Screen Planting (CM3)



Roadside screen planting to building

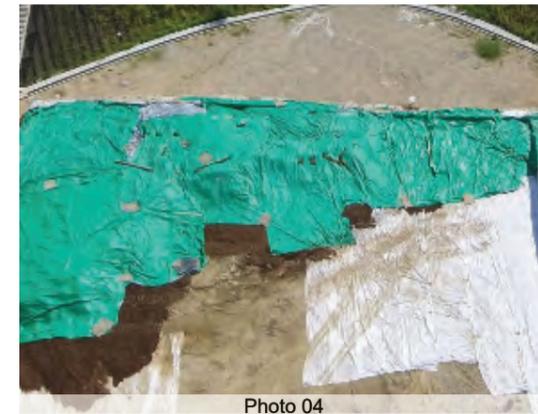


Roadside screen planting to road associated structure

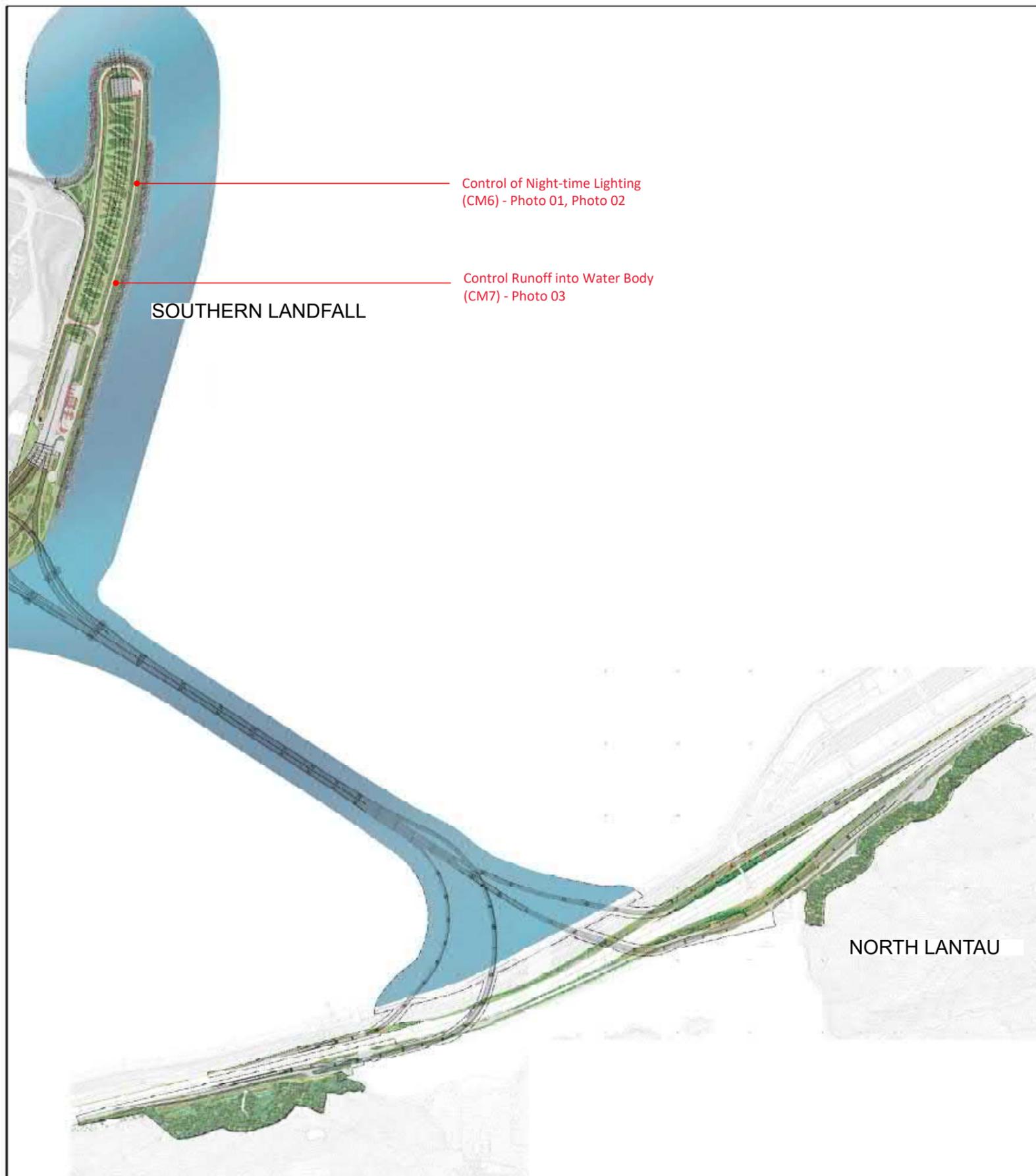


Roadside screen planting to road associated structure

Hydroseeding or Sheeting of Soil Stockpile (CM4)



Sheeting of soil stockpiles to prevent erosion and dust generation with visually unobtrusive material



Control of Night-time Lighting (CM6)



Lighting at the Southern Landfall is subject to the requirement on aviation aspects. Lights shall not form a source of glare or any way affect pilots and air traffic controllers.

Control Runoff into Water Body (CM7)



Site runoff was controlled and treated in the waste water treatment facilities before discharged into the adjacent water bodies.