Project Title: Port Shelter Sewerage, Stage 3 – Sewerage Works at Po Toi O (Application No. EIA-244/2016)

Submission of information pursuant to Section 8(1) of the EIAO

Updated photomontage showing the facade treatment of the sewage treatment plant and the conceptual geotechnical design for the slope (Please see enclosed Fig 10.14a & 10.14b)

The visual mitigation of the building and retaining wall behind is addressed by the use of chromatic treatment, vertical greening, shrub and tree planting:

- The retaining wall and STP are to be painted with a non-reflective paint in recessive earth tones similar to the natural geology and soil colour of the area so that they blend into the hillside behind.
- Self-clinging climbers are proposed to be planted at the base of the retaining wall and STP in order to green the elevations over time. Climbers and trailing plants will also be planted at the top of the retaining wall to speed the green coverage of the wall. Climbers are also proposed at the base of the site perimeter fence to provide additional screening to the STP and retaining wall elevations. Planters will be irrigated with simple dripline tubing which will ensure that healthy growth is maintained during the winter dry season. It is anticipated that climber planting can provide some effective visual mitigation after the first season and coverage will thicken with each growing season thereafter. In order to provide initial greening of the perimeter fence at Day 1, temporary planters and frames with pre-grown climbers will be attached to the fence as a temporary greening solution. These will be removed once the permanent climber planting at grade has established sufficiently to provide a greening effect.
- Tree planting is also proposed although this will take longer to establish and provide a screening effect. Once mature however, the tree planting will provide an effective visual screen and reduce the apparent scale of the STP.
- Shrub planting is proposed in ground level planters along the fence line and around the STP to strengthen visual screening and amenity. Native shrub and ground cover planting will also be provided on the disturbed ground above the top of the retaining wall in order to re-establish vegetation cover on the existing

slope.

• The conceptual design for the slope (as shown in Fig 10.14b) was based on the assumption that geotechnical profile would be similar to the enclosed GI record.



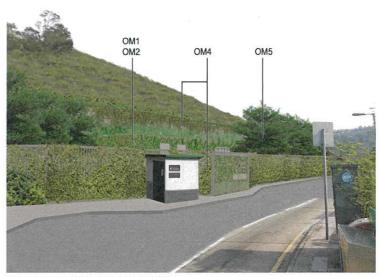
EXISTING CONDITIONS



DAY 1 WITH MITIGATION MEASURES



DAY 1 WITHOUT MITIGATION MEASURES

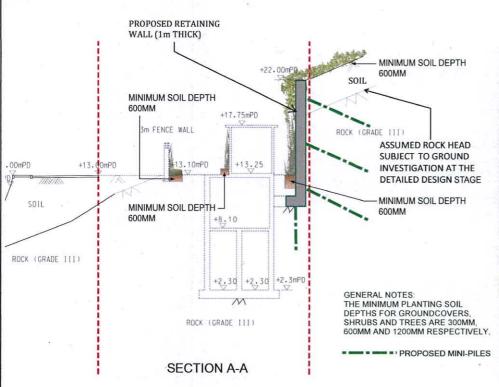


YEAR 10 WITH MITIGATION MEASURES

						Job Title	Drawing No.					
E	2016-11-30	BUILDING TONE AND RETAINING WALL CLIMBERS AMENDED	PN	то	то	Agreement No. CE 41/2013 (EP) Port Shelter Sewerage, Stage 3 - Sewerage Works at Po Toi O Environmental Impact Assessment	10.14a	ı				
D	2016-06-03	VERTICAL GREENING ADDED	MC	то	то	Studies - Investigation	10.14a					
С	2016-03-30	GRASSCRETE ADDED	PN	то	то	Drawing Title	Scale	1				
В	2015-12-28	GENERAL REVISION	00	то	то	PHOTOMONTAGE VIEWPOINT 1 FROM	N.T.S.					
Α	2015-06-16	GENERAL REVISION	GENERAL REVISION LW TO TO PO TOI O CHUEN ROAD LOOKING SOUTH									
Amendment No.	Date	Description	Drawn by	Checked by	Approved by	Drawn by PL Checked by KB Approved by TO Date 2014-12-01	Job. No. CTCL1	Url				



Planning, Urban Design, Landscape, Golf & Environmental Consultants Urbis Limited, 11/F Siu On Centre, 188 Lockhart Road, Wan Chai, Hong Keng. Tel : 2802 3333 Fax : 2802 8662





YEAR 10 WITH MITIGATION MEASURES (FENCE AND TREES REMOVED)

CLIMBER PLANTING OPTIONS



Parthenocissus quinquefolia - Central Waterfront (one season's growth)

Description



PN Checked by

TO Approved by

Ficus pumila - Fairway Vista, Po Toi O



Pyrostegia ignea - planted at top of wall

TO Date

2016-12-01 Job. No.



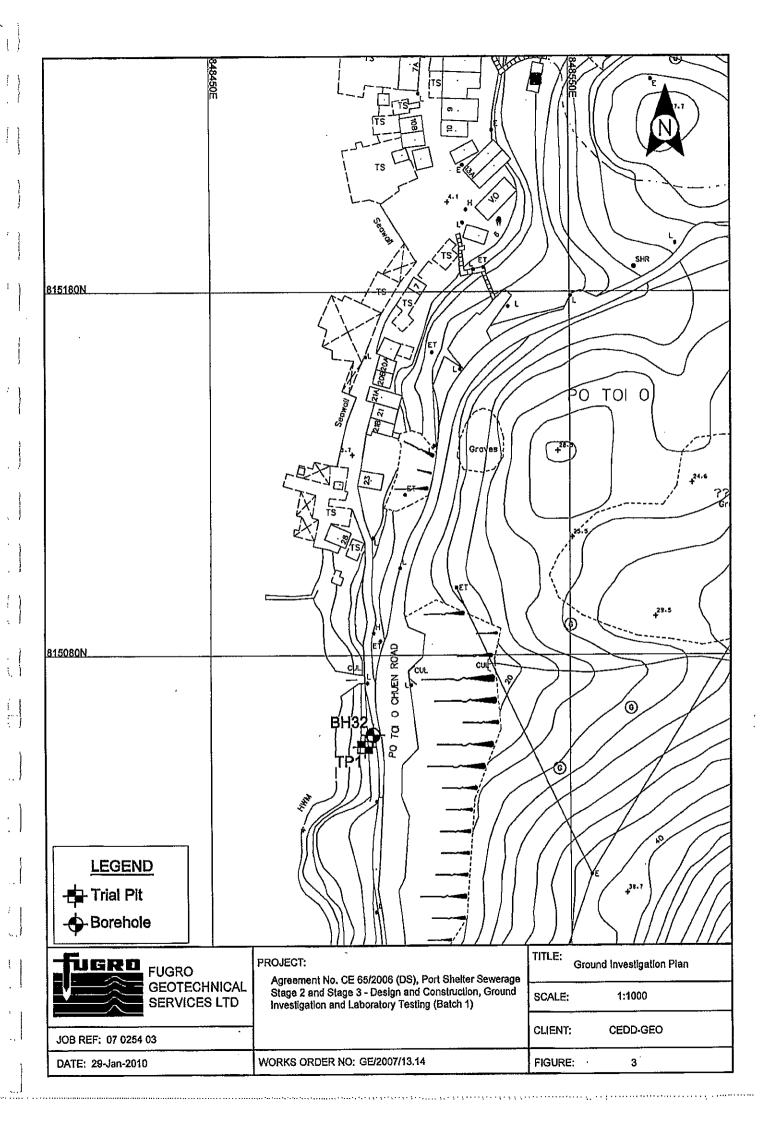
Hedera helix - temporary hoarding at Exchange Square

						Job Title Agreement No. CE 41/2013 (EP) Port Shelter Sewerage, Stage 3 - Sewerage Works at Po Toi O Environmental Impact Assessment Studies - Investigation	Drawing No. 10.14b
						Drawing Title	Scale
-	2017-01-03	SOIL DEPTH ADDED	PN	то	то	PHOTOMONTAGE VIEWPOINT 1 FROM PO TOI O CHUEN ROAD LOOKING SOUTH	N.T.S.

Drawn by Checked by Approved by Drawn by

Planning, Urban Design, Landscape, Golf & Environmental Consultants

CTCL1 Ubis Limited, 11/F Siu On Centre, 188 Lockhart Road, Wan Chai, Hong Kong, Tel: 2802 3333 Fax: 2802 8682



FUGRO FUGRO							DRILLHOLE RECORD							HOLE No. BH32								
GEOTECHNICAL SERVICES LTD								CONTRACT No.: GE/2007/13							SHEET:	1	of	1				
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Piezometer Tip

SPT Liner Sample

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