



ENTRANCE RAMP FILL NORTH
OF PIPELINE: 2185m3

Lot 1 CUT 239m3

Lot 2 CUT 662m3

Lot 3 CUT 550m3

Lot 4 ROW CUT 490m3

Lot 5 CUT 594m3

Lot 7 SPUR CUT 324m3

Lot 7 GULLY NET FILL 124m3

Lot 7/8 GULLY FILL 758m3

Lot 8 SPUR CUT 1192m3

Lot 7 SITE NET CUT 71m3

Lot 10 + UPPER ROW FILL 499m3

Lot 10 CUT 1138m3

RESERVOIR ACCESS
TRACK AND PLATFORM
NET CUT: 527m3

SOUTH GULLY EXCESS FILL SITE

FILL PROVISION SHOWN AT: 2033m3

EARTHWORKS VOLUMES ESTIMATION

- 1) Earthworks have been estimated using horizontal section method. Sections are 1m deep layers or have moderated depth.
- 2) The areas of sections are shown here with calculated volume per layer
- 3) Earthworks shown on lots 1, 3, 4, 7 and 10 is largely optional and if undertaken will necessitate the use of the South gully fill site consented for use in order to achieve a cut to fill balance within property.
- 5) Total cut estimated at 6078m3 including optional works. All cut is able to be accommodated on site with available fill estimated at 6459 (including the excess fill provision shown in the South Gully).

Legend

- Current title boundaries
- Lot boundaries (in progress)
- Current contours (1m)
- Design contours (1m)
- Cut
- Fill



Portua City Council
ENGINEERING DESIGN ACCEPTANCE
Signed:
Date: 19/12/16

Progeni Ltd
68 Exploration Way, Porirua 5024
Ph 64 022 0819600

Client:	Progeni Ltd	Fieldwork:	-	Scale:	1:500 at A1, 1:1000 at A3
Project:	Exploration Heights	Designed:	Harpham(Progeni)	ID:	P1.ENG043 Rev:2016-01-28
Title:	Earthworks volumes	Drawn:	Harpham(Progeni)	Issued by:	David Harpham
		Checked:		Date:	2016-10-28