S1

S2

Cut 1192m3

Cut 254m3

Fill 99m3

GWRC pipeline easement

10

N

Retaining walls to have building consent

Fill 348m3

Cut 1138m3

Fill 39m3

South gully excess fill site

Fill 2033m3

Silt trap S2

9

Cut 70m3

Fill 12m3

Cut 465m3

Porirua City Council
ENGINEERING DESIGN ACCEPTANCE
Signed:
Date: 14/12/15

Location plan

North

S1

South

S2

0 10 20 30 40 50 m

EARTHWORKS NOTES
==========
UNLESS OTHERWISE INDICATED:

1) Earthworks are to be overseen by a Geotechnical engineer.
2) Earthworks within the GWRC pipeline easement are also to be approved and overseen by GWRC
3) As soon as reasonably possible all open ground is to be:
   * hydro seeded
   * or topped with compacted aggregate
   * or covered in top soil and planted
4) 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 acheive a cut to fill balance within property.
5) Total cut to fill: 6400m3 including optional works.
6) Steepest fill batter 1:2
7) Steepest cut batter 1:1. Such batter slopes to be assessed by a Geotechnical Engineer and eased or mitigated at the Engineer's direction if required.
8) Where cut batters are shown and created at 1:1 they shall be assessed by the Geotechnical Engineer and if required, eased or mitigated at the engineers direction.
9) Refer P1.ENG045 DANGER Existing services

**Legend**

- Current title boundaries
- Lot boundaries (in progress)
- Current contours (1m)
- Design contours (1m)
- Top of batter/bank
- Retaining wall
- Cut
- Fill
- Silt pond
- DANGER Water pipelines
- DANGER homestead services


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


| | | | | | |
|---|---|---|---|---|---|
| Client: Progeni Ltd | | Fieldwork: | - | - | Scale:1:250 at A1; 1:500 at A3 |
| Project: Exploration Heights | | Designed: | Harpham(Progeni) | 03/15 | ID: P1.ENG041 Rev:2015-12-20 |
| Title: **Earthworks south** | | Drawn: | Harpham(Progeni) | 12/15 | Issued by: David Harpham |
| | | Checked: | | | Date: 2015-12-20 |


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