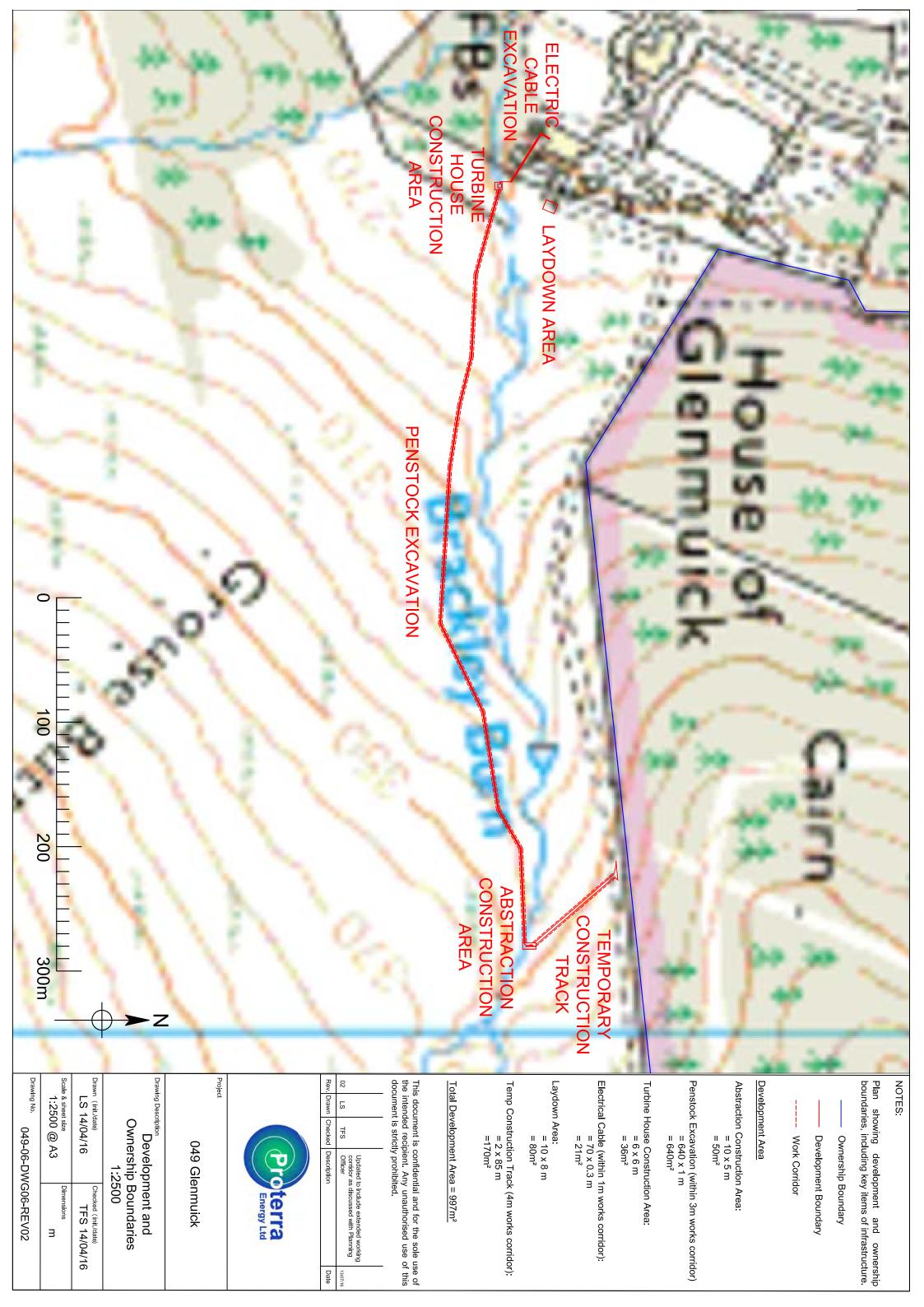
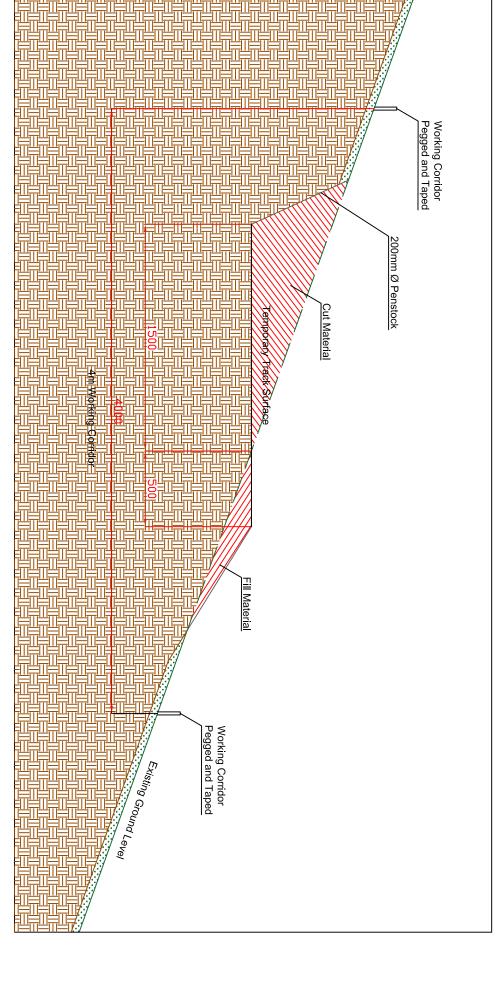
AGENDA ITEM 7

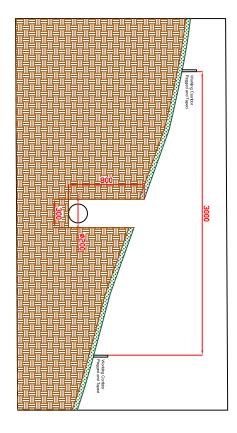
APPENDIX I

PLANS AND ILLUSTRATIONS

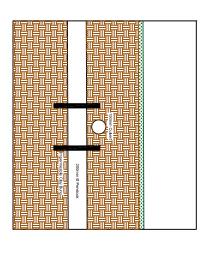




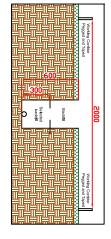
Temporary Track and Working Corridor 1:25 @ A3



Penstock Route and Working Corridor 1:40 @ A3



Culvert Cross Section 1:40 @ A3



Cable Route and Working Corridor 1:40 @ A3

NOTES:

Additional requested Cross Sections and Details

Rev. Drawn 03 This document is confidential and for the sole use of the intended recipient. Any unauthorised use of this document is strictly prohibited. 02 S Checked TFS TFS Description Updated to show working corridor on penstock and cable routes Updated to show working corridor

Date



Project

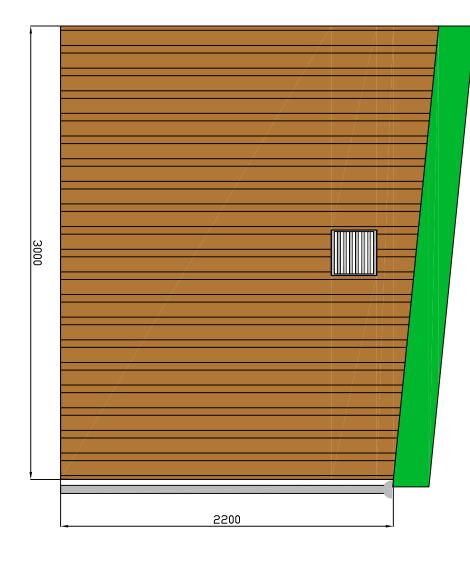
049 Glenmuick

Drawing Description

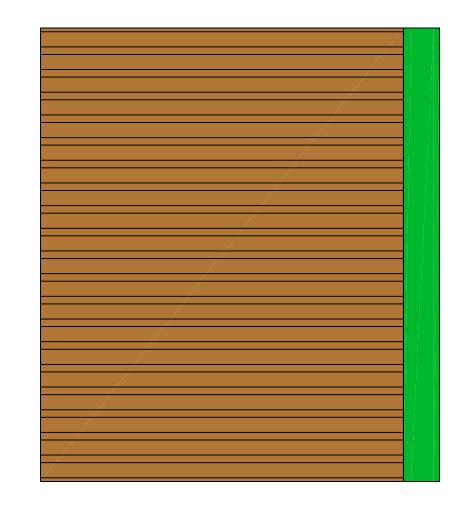
TFS 05/07/16	LS 05/07/16
Charles (in the charles))
Cross Sections	Cross 9

Drawing No. 049-06-DWG08-REV03

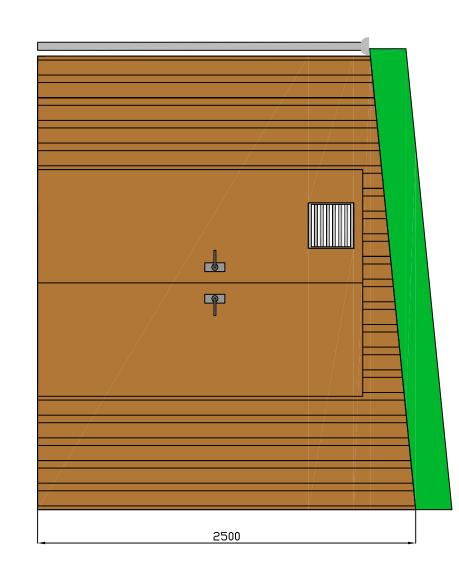
Scale & sheet size
As Stated



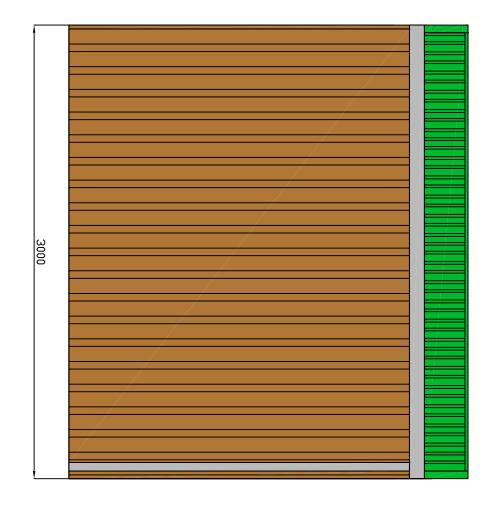
END ELEVATION



REAR ELEVATION



END ELEVATION



FRONT ELEVATION

NOTES

Set of elevations showing external finish of proposed turbine house:

- Batten on board timber wall construction
- 2 2 No. 300x300mm fixed ventilation
- ယ 200mm flashing to roof edges.

grills.

- 4. Gutter fitted to low side.
- 5 Double personnel door with lock.
- <u>6</u> Profile sheet roofing in RAL 6009 Fir Green or RAL 7016 Anthracite Grey as per planning condition.

This document is confidential and for the sole use of the intended recipient. Any unauthorised use of this document is strictly prohibited.

Date	Rev. Drawn Checked Description	Checked	Drawn	Rev.
13/07/16	Notes updated to reflect planning condition on roof material	TFS	LS	02

Project

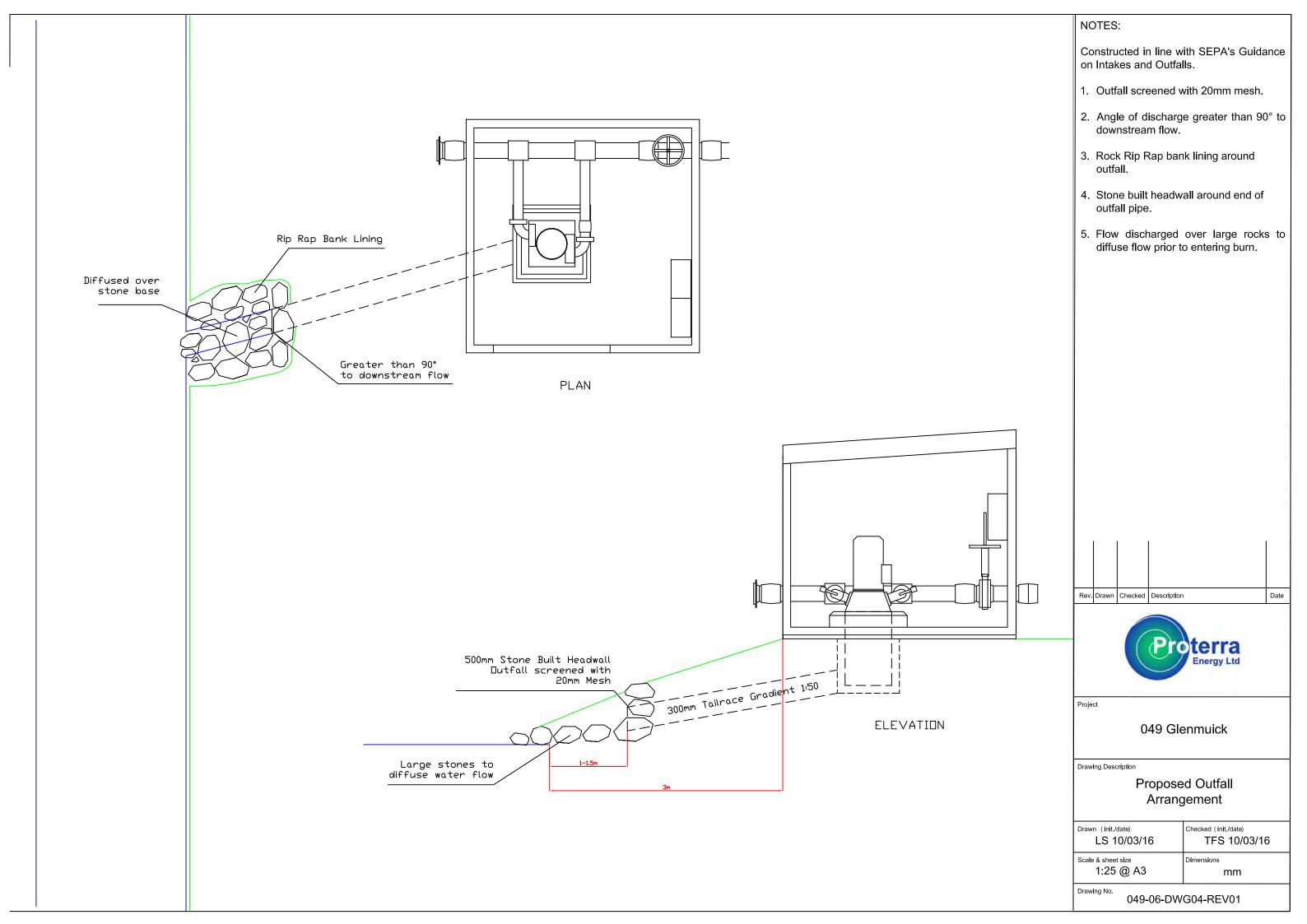
049 Glenmuick

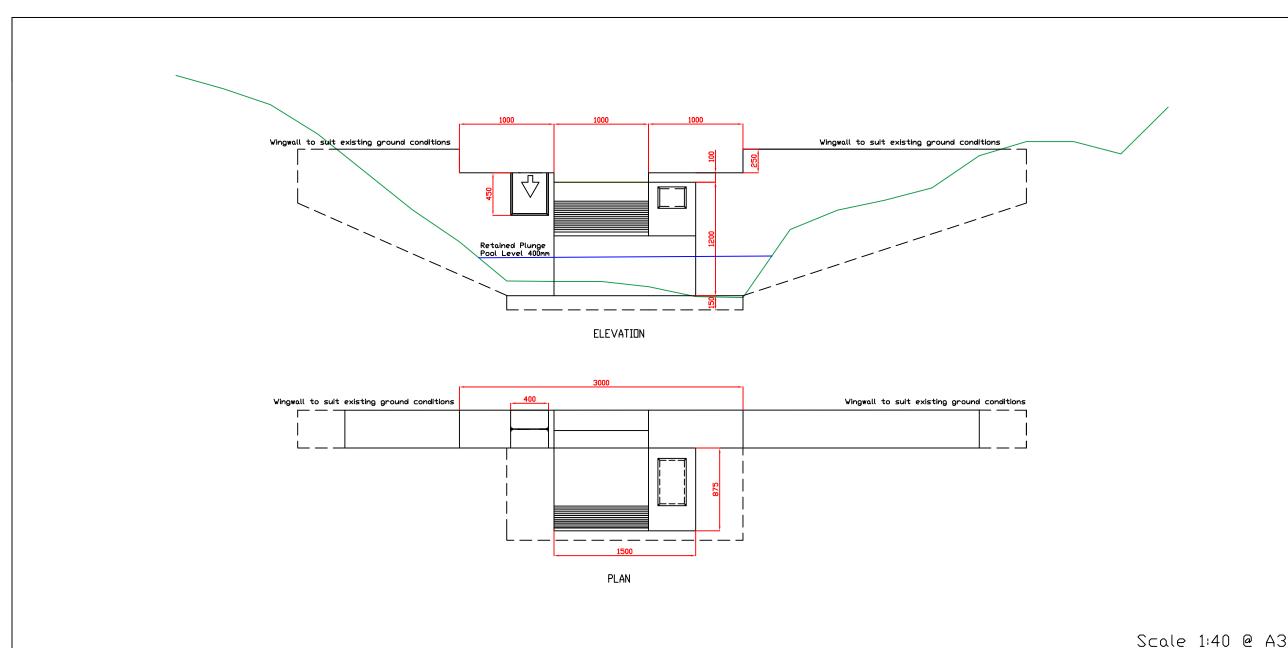
Proposed Turbine House

Drawing Description

Dimensions mm	Scale & sheet size 1:25 @ A3
TFS 10/03/16	LS 101/03/16
Checked (init./date)	Drawn (init./date)

Drawing No. 049-06-DWG03-REV02



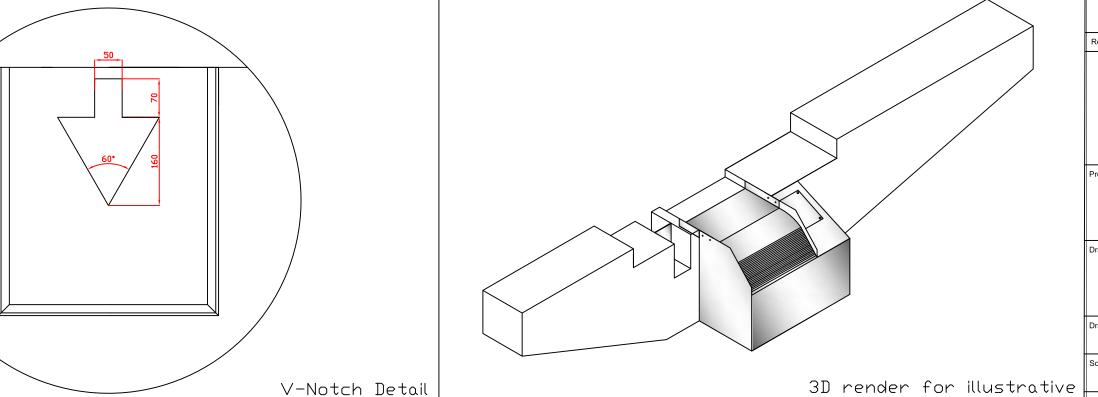


Not to Scale

NOTES:

Plan and Elevation of proposed abstraction. Single wall concrete weir fitted with stainless steel abstraction box on downstream face. Stainless steel Coanda style screen fitted to abstraction

- 1. Coanda screen 1000mm x 400mm, 1.5mm wires, 1mm gaps, 5° wire tilt, 55° inclination.
- 2. Screen approach weir 1000mm x 100mm to allow turbine design flow to pass. Design flow = 42l/s, weir passes 54l/s to allow for losses.
- 3. Overflow weir 3000mm x 250mm to allow for spate flows 1.5 x $Q_{0.1}$ =
- 4. Removable stainless steel HOF plate, designed to allow Q_{90} = 8l/s to pass prior to abstraction commencing, increasing to $Q_{80} = 10I/s$ when upstream flow exceeds Q₃₀ (32I/s).
- 5. Wingwalls to be constructed to suit existing ground conditions.



Rev. Drawn Checked Description



049 Glenmuick

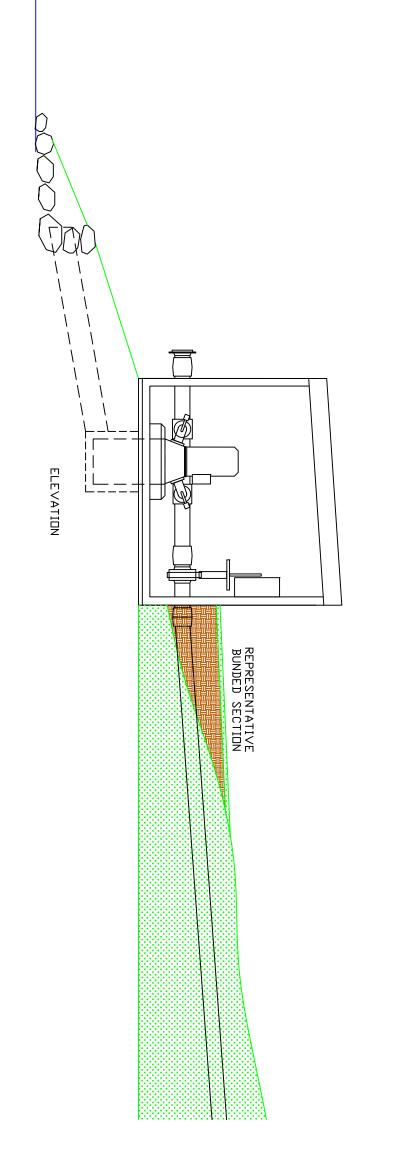
Drawing Description

Proposed Abstraction

Dra	LS 09/03/16	TFS 09/03/16
Sca	ale & sheet size As Stated	Dimensions mm

purposes, Not to Scale Drawing No.

049-06-DWG02-REV01



NOTES:

Representative drawing showing example of earth bunding of penstock approaching turbine house.

Length of bunding will be kept to minimum and tied into existing ground levels.

Material excavated during turbine house installation will be used to form bund and turf layer.

Given the topography of the ground in the location of the turbine house, the penstock is likely to exit the bank directly into the turbine house with very little requirement for bunding.

This document is confidential and for the sole use of the intended recipient. Any unauthorised use of this document is strictly prohibited.

Project

049 Glenmuick

Drawing Description

Example Bunding

Scale & sheet size 1:50 @ A3	Drawn (init./date) LS 13/07/16
Dimensions mm	Checked (init./date) NS 13/07/16

Drawing No.

049-06-DWG09-REV01



