



- General notes:**
- This drawing is to be read in conjunction with all relevant engineers and architects drawings.
  - All information based on findings within Site Investigation report undertaken by RAMSAY AND CHALMERS, dated 22.02.2006 and Topographical Survey undertaken by GRANITE CITY SURVEYS LTD - 27.10.2006.
  - Existing Ground Model is based on the Topographical Site Survey which has been lowered on indicative 450 mm to represent removal of the average Top Soil depth across entire site area. Refer to Site Investigation.
  - Proposed Formation Ground Model =
    - Finished Ground Levels = - 250mm
    - Finished Road Levels = - 450mm
  - Bulk Earthworks Cut & Fill volumes generated in conjunction with Site Levels DRG no. T-01, GCS 2708.
  - The figures above do not include fill material required to make-up the road construction, fill below buildings or topsoil replacement to garden's / area's of public open space. Quantities exclude arising/backfill as a result of excavation of drainage trenches, structural platforms, capping layers and retaining structures.
  - The above Earthwork Volumes are an estimate only and do not remove the requirement for an overall earthworking strategy including detailed excavation and backfill measurements.

**Bulk Earthworks Cut and Fill Contours**  
 Cut Contour 1.500  
 Fill Contour 0.000

**Zero Contour**

**Bulk Earthworks Cut and Fill Volume Calculations**  
 Topsoil Excavation Volume = 3,438.45m<sup>3</sup> based on average of 450 mm removed across the site.

**Proposed Formation Levels relative to Site Formation Levels:**

Cut and Fill - Main Site		
Height Bands	Cut Volume	Fill Volume
Fill 3.2m - 4m	--	0.02m <sup>3</sup>
Fill 2.4m - 3.2m	--	49.10m <sup>3</sup>
Fill 1.6m - 2.4m	--	479.07m <sup>3</sup>
Fill 0.8m - 1.6m	--	1616.63m <sup>3</sup>
Fill 0m - 0.8m	--	3488.67m <sup>3</sup>
Cut 0m - 0.8m	1746.76m <sup>3</sup>	--
Cut 0.8m - 1.6m	959.03m <sup>3</sup>	--
Cut 1.6m - 2.4m	264.74m <sup>3</sup>	--
Cut 2.4m - 3.2m	14.45m <sup>3</sup>	--
<b>Total Cut: 2984.98m<sup>3</sup></b>		
<b>Total Fill: 5633.49m<sup>3</sup></b>		

  

Cut and Fill - Substation		
Height Bands	Cut Volume	Fill Volume
Fill 0.6m - 0.8m	--	0.64m <sup>3</sup>
Fill 0.4m - 0.6m	--	3.16m <sup>3</sup>
Fill 0.2m - 0.4m	--	8.46m <sup>3</sup>
Fill 0m - 0.2m	--	11.80m <sup>3</sup>
Cut 0m - 0.2m	0.82m <sup>3</sup>	--
Cut 0.2m - 0.4m	0.04m <sup>3</sup>	--
<b>Total Cut: 0.86m<sup>3</sup></b>		
<b>Total Fill: 24.05m<sup>3</sup></b>		

C	Added SSE substation Works	MJA	15.09.25
B	Amended status for approval	MJA	09.05.25
A	Layout updated to suit latest Architectural Layout.	JDP	09.05.24
Issue	Revision	Initial	Date

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Client:  
**Energy Transition Zone**

Project:  
**Mooring Facility  
 Hareness Road  
 Aberdeen**

Drawing Title:  
**Cut & Fill Review**

Status:  
**WARRANT**

Scale: 1:250 @ A1 Date: 20/02/2023  
 By: AAM Checked: GGC Approved: GGC

Dwg. No.  
**221193-000-CAM-DR-C-620**

Rev.  
**C**

