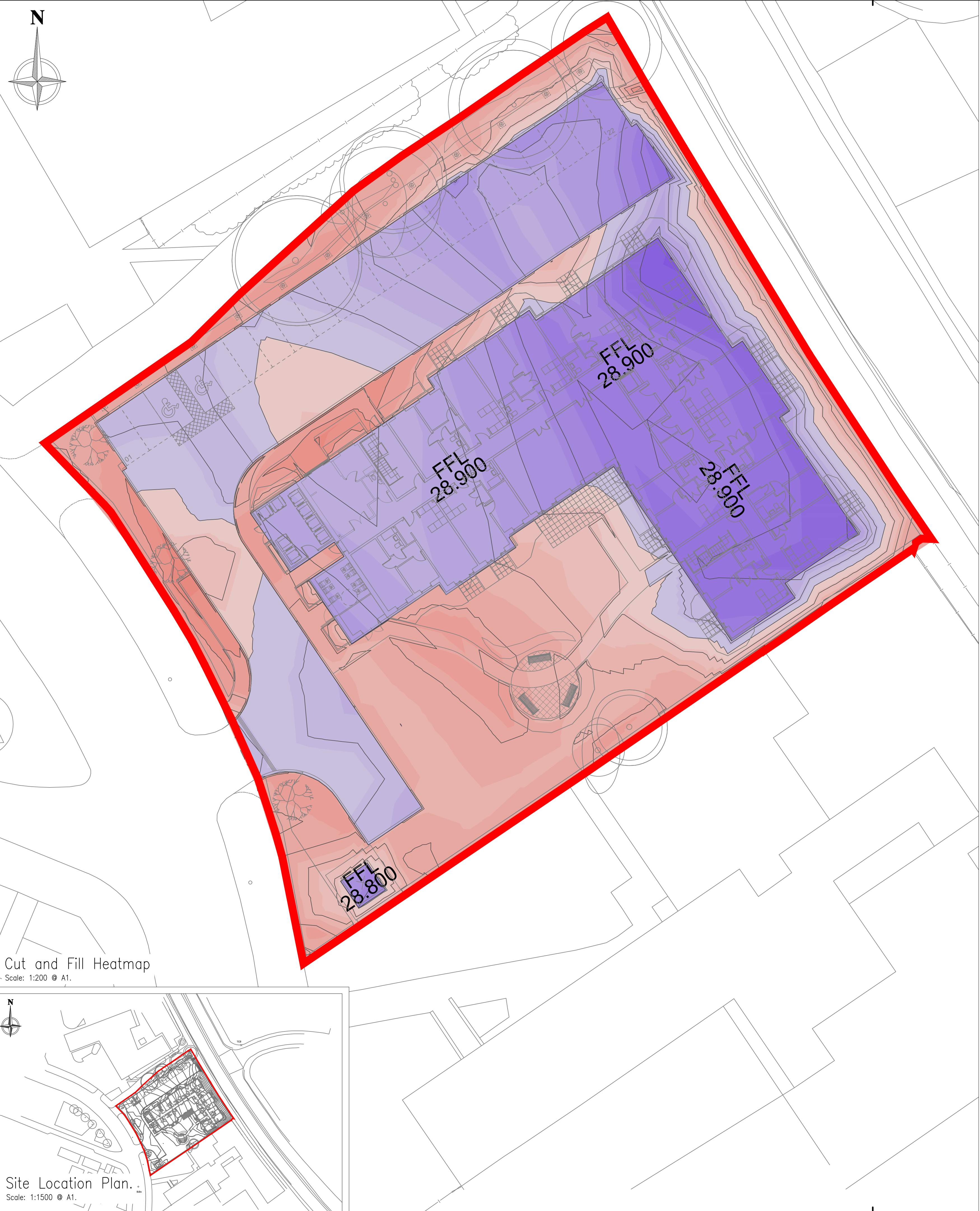
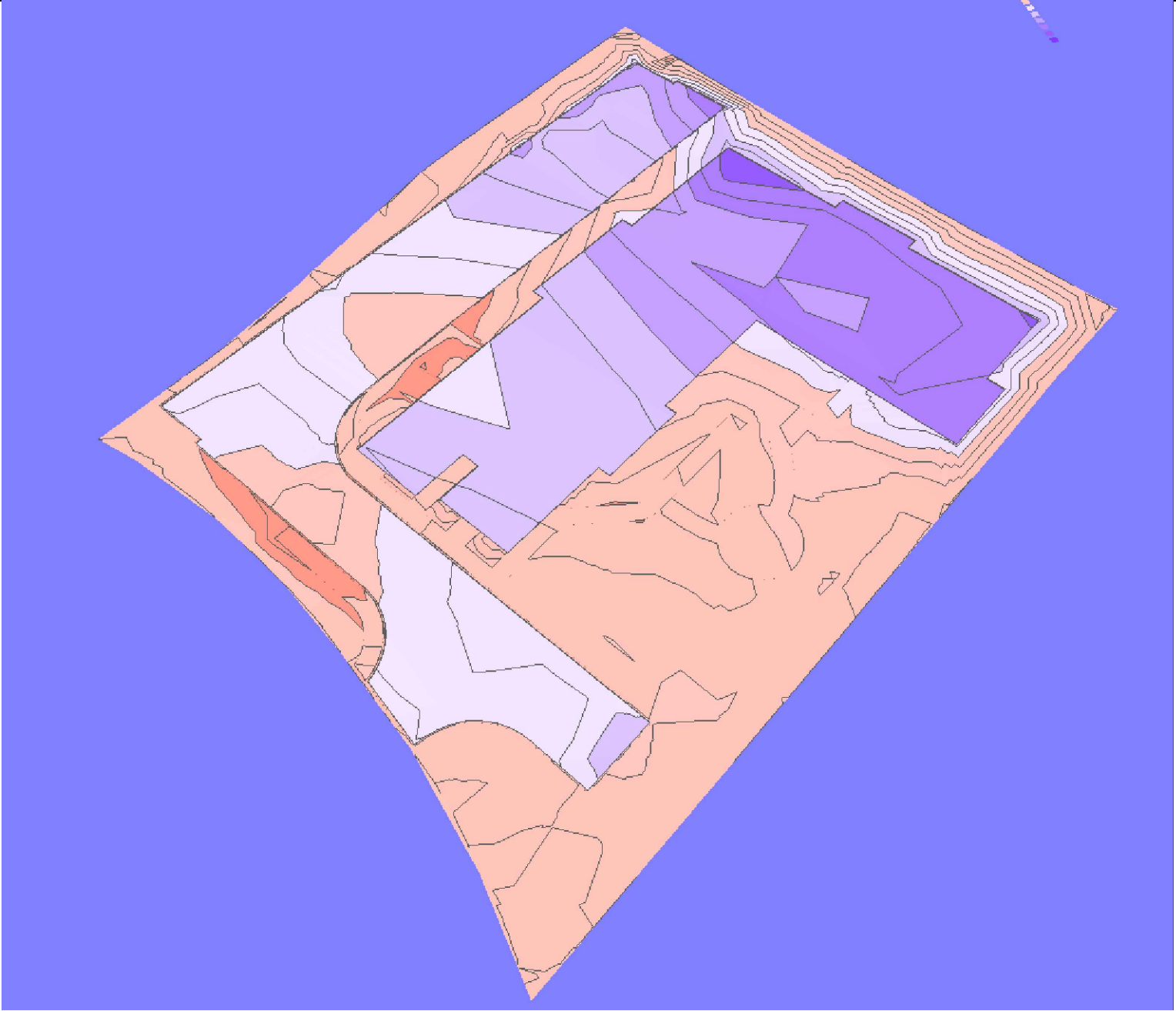
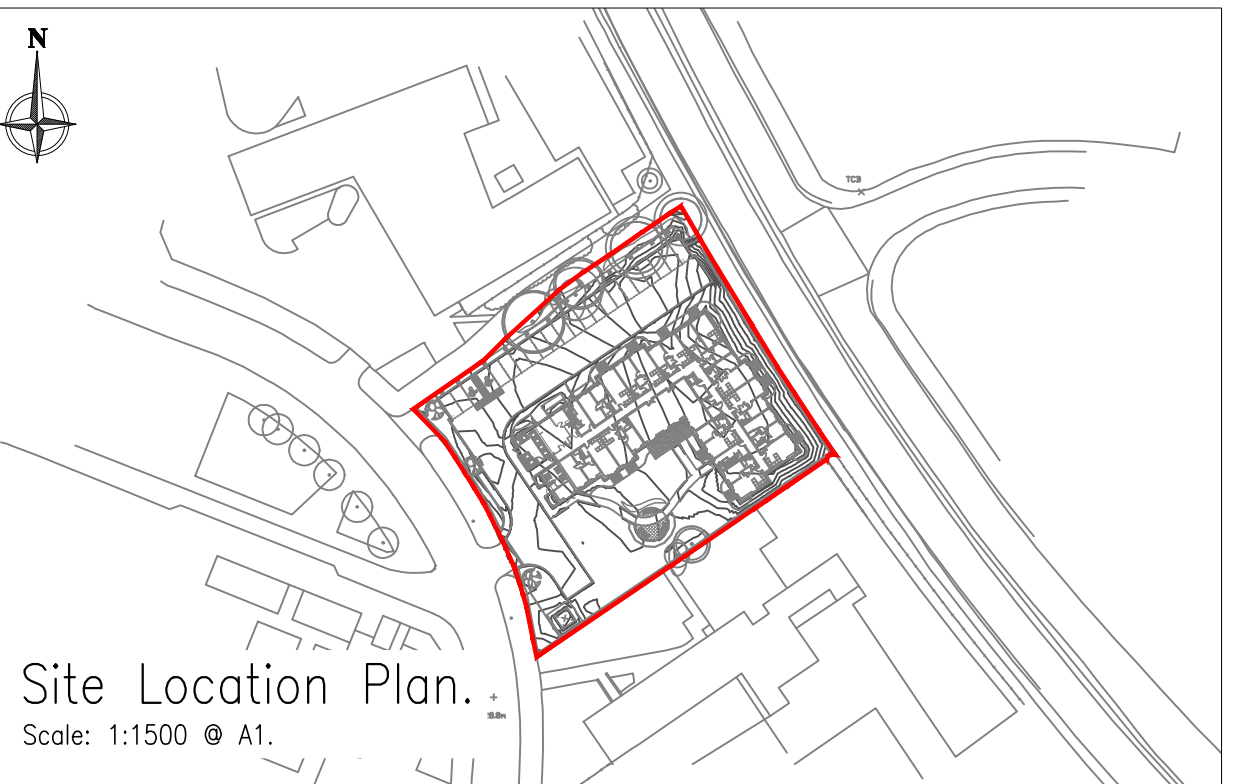




Cut and Fill Heatmap
Scale: 1:200 © A1.



Height Bands	Cut Volume	Fill Volume
Fill 0.8m – 1m	--	--
Fill 0.6m – 0.8m	--	0.00m ³
Fill 0.4m – 0.6m	--	2.82m ³
Fill 0.2m – 0.4m	--	90.55m ³
Fill 0m – 0.2m	--	263.05m ³
Cut 0m – 0.2m	319.50m ³	--
Cut 0.2m – 0.4m	187.93m ³	--
Cut 0.4m – 0.6m	113.44m ³	--
Cut 0.6m – 0.8m	31.33m ³	--
Cut 0.8m – 1m	0.74m ³	--
Cut 1m – 1.2m	--	--
Total Cut: 652.94m ³		
Total Fill: 356.42m ³		

Volumes & depths assessed:

No envisaged site scrape and removal to site due to known contaminants to be tested and separated during site remediation process, to include borrow pits, relocation of contaminants to rear of proposed retaining walls and infill to underside of access road where possible to reduce cart off if needed.

Cut And Fill analysis between the site strip and proposed formation levels

Assume the following depth to formation based on a 2% cbr

Default depth for roads	=	0.45m
Default depth for footways	=	0.20m
Topsoil/Landscaping depth	=	0.30m
Building pad depth	=	0.80m
Earthworks depth	=	0.0m
Interfacing depth	=	0.0m

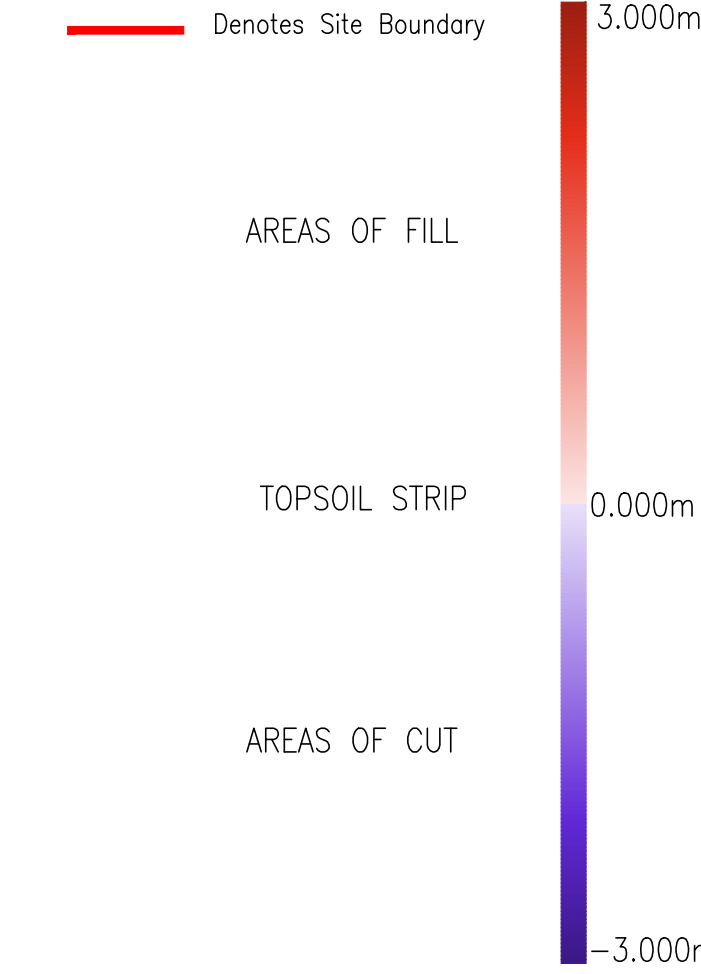
Volume of topsoil being stripped from site is 1079m³

The above value of 1079m³ is not included within the 'Final' cut volume within the table above. It is noted that this is to be an additional separate value for the site scrape of 300mm.

- NOTES:
1. All dimensions must be checked on site and not scaled from this drawing.
 2. The Contractor shall make a survey of the site and shall be responsible for obtaining all dimensions and levels necessary for the proper fabrication of the structure as indicated.
 3. All levels shown on this drawing are relative to Agreed Topographic survey
 4. This drawing is to be read in conjunction with topographical survey and Site investigation reports
 5. Contractor to satisfy themselves with cut & fill volumes.
 6. Contractor to make allowance for temporary works/over-dig to construct/create working areas.
 7. Contractor to allow for drainage volumes.
 8. Cut and Fill does not account for drainage aspects on the job. i.e Attenuation tanks, manholes and pipes
 9. Cut and Fill does not Account for Foundations aswell.

All earthworks are calculated based on existing ground (cut material) being suitable for reuse as fill material denoted in heat map table.

Reuse of material to be qualified by a full geo-technical investigation, geo-technical and project structural/civil engineer.



C	28/11/23	ISSUED FOR APPROVAL	WG	WB
B	27/11/23	ISSUED FOR APPROVAL	WG	WB
A	15/11/23	ISSUED FOR APPROVAL	WG	WB
Rev	Date	Description	DR	CH

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Drawing Title
CUT AND FILL HEATMAP

Status **APPROVAL**

Scale **As Shown@ A1** Date **OCT 2023**

Drawn By **W. B. RAY** Checked **WG** Approved **JHC**

Dwg. No. **29958/107** Rev **C**