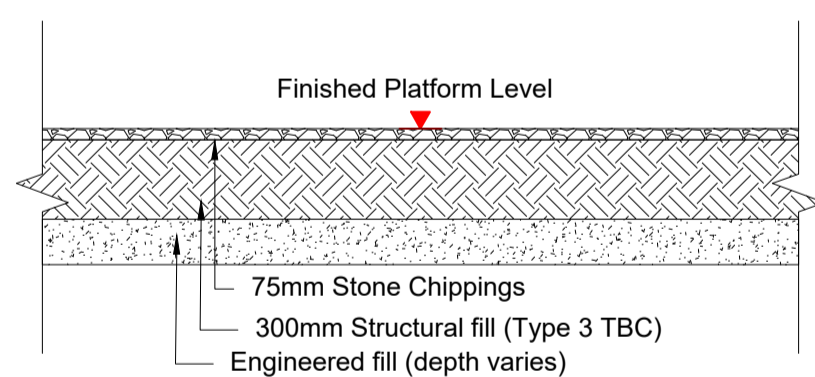


GENERAL ARRANGEMENT - PLAN

SCALE @ A1: 1:1000



PLATFORM MAKE-UP
SCALE @ A1: 1:50

Estimated Earthworks Volumes		
Area of earthworks	Class	Volume (m ³)
Topsoil Removal (300mm depth)	N/A	17,470
Total Cut volume	N/A	16,070
Total Acceptable Cut Volume (70% of total cut volume)	N/A	11,250
Total Unacceptable Cut Volume (30% of total cut volume)	N/A	4,820
Total Engineering Fill Required to Formation Level (depth varies)	N/A	21,850
Total Structural Fill Required (300mm depth)	Type 3	16,135
Total Platform Chippings Required (75mm depth)	Chippings	4,040
Total Landscape Fill Required	Re-use Unacceptable Cut	????
Total volume of material to be taken off site	N/A	????

NOTE:
Earthworks volumes have not had swell/compaction factors applied and are therefore a 1:1 representation. These factors should be applied during a more detailed earthworks exercise, to be undertaken once adequate GI works have been complete.

CHAINAGE	EXISTING LEVELS	FORMATION LEVELS	PLATFORM LEVEL
00.000	16.669	17.500	17.500
5.000	16.664	17.500	17.500
10.000	16.672	17.500	17.500
15.000	16.678	17.500	17.500
20.000	16.686	17.500	17.500
25.000	16.693	17.500	17.500
30.000	16.701	17.500	17.500
35.000	16.691	17.500	17.500
40.000	16.680	17.500	17.500
45.000	16.733	17.500	17.500
50.000	16.776	17.500	17.500
55.000	16.818	17.500	17.500
60.000	16.881	17.500	17.500
65.000	16.897	17.500	17.500
70.000	16.954	17.500	17.500
75.000	17.000	17.500	17.500
80.000	17.045	17.500	17.500
85.000	17.088	17.500	17.500
90.000	17.148	17.500	17.500
95.000	17.250	17.500	17.500
100.000	17.333	17.500	17.500
105.000	17.404	17.500	17.500
110.000	17.461	17.500	17.500
115.000	17.500	17.500	17.500
120.000	17.500	17.500	17.500
125.000	17.500	17.500	17.500
130.000	17.500	17.500	17.500
135.000	17.500	17.500	17.500
140.000	17.500	17.500	17.500
145.000	17.500	17.500	17.500
150.000	17.500	17.500	17.500
155.000	17.500	17.500	17.500
160.000	17.500	17.500	17.500
165.000	17.500	17.500	17.500
170.000	17.500	17.500	17.500
175.000	17.500	17.500	17.500
180.000	17.500	17.500	17.500
185.000	17.500	17.500	17.500
190.000	17.500	17.500	17.500
195.000	17.500	17.500	17.500
200.000	17.500	17.500	17.500
205.000	17.500	17.500	17.500
210.000	17.500	17.500	17.500
215.000	17.500	17.500	17.500
220.000	17.500	17.500	17.500
225.000	17.500	17.500	17.500
230.000	17.500	17.500	17.500
235.000	17.500	17.500	17.500
240.000	17.500	17.500	17.500
245.000	17.500	17.500	17.500
250.000	17.500	17.500	17.500
253.000	17.500	17.500	17.500
256.000	17.500	17.500	17.500

Alignment - A-A
Horiz. 1:1000, Vert. 1:200
Datum: 16.00

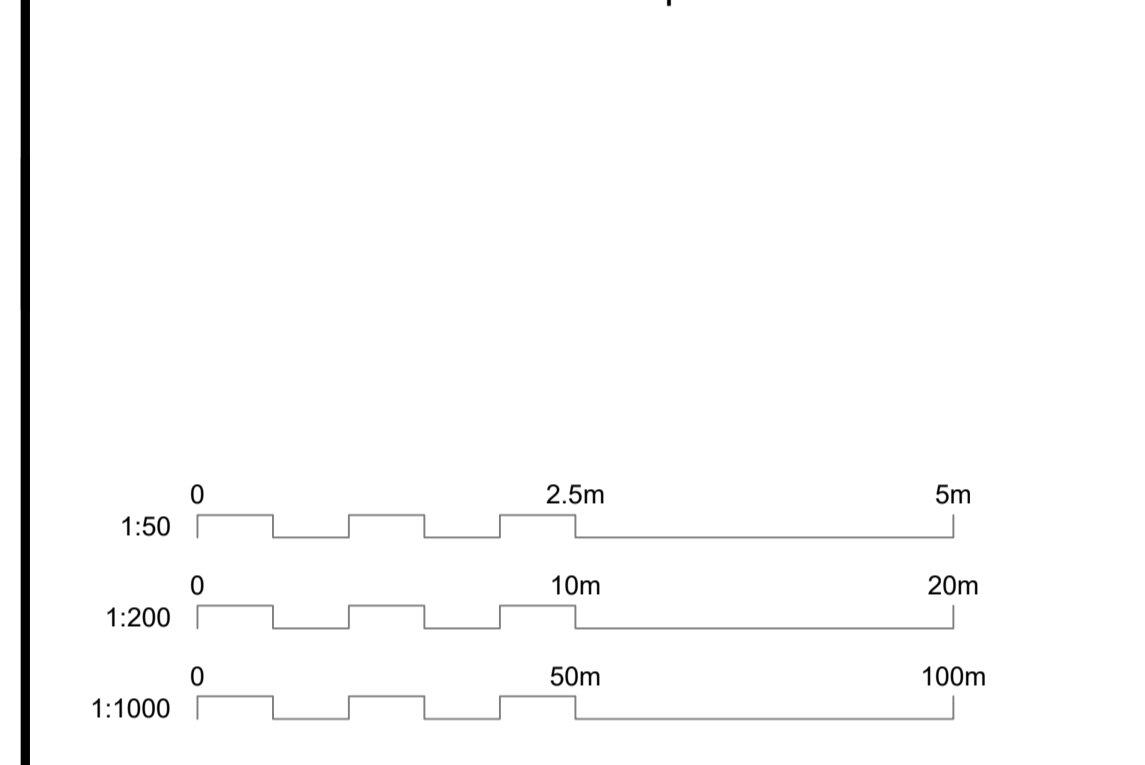
CHAINAGE	EXISTING LEVELS	FORMATION LEVELS	PLATFORM LEVEL
00.000	17.639	17.500	17.500
5.000	17.703	17.500	17.500
10.000	17.771	17.500	17.500
15.000	17.840	17.500	17.500
20.000	17.909	17.500	17.500
25.000	18.004	17.500	17.500
30.000	18.070	17.500	17.500
35.000	18.118	17.500	17.500
40.000	18.124	17.500	17.500
45.000	18.142	17.500	17.500
50.000	18.185	17.500	17.500
55.000	18.211	17.500	17.500
60.000	18.221	17.500	17.500
65.000	18.258	17.500	17.500
70.000	18.298	17.500	17.500
75.000	18.319	17.500	17.500
80.000	18.335	17.500	17.500
85.000	18.375	17.500	17.500
90.000	18.415	17.500	17.500
95.000	18.453	17.500	17.500
100.000	18.435	17.500	17.500
105.000	18.469	17.500	17.500
110.000	18.508	17.500	17.500
115.000	18.538	17.500	17.500
120.000	18.568	17.500	17.500
125.000	18.598	17.500	17.500
130.000	18.628	17.500	17.500
135.000	18.658	17.500	17.500
140.000	18.688	17.500	17.500
145.000	18.718	17.500	17.500
150.000	18.748	17.500	17.500
155.000	18.778	17.500	17.500
160.000	18.808	17.500	17.500
165.000	18.838	17.500	17.500
170.000	18.868	17.500	17.500
175.000	18.898	17.500	17.500
180.000	18.928	17.500	17.500
185.000	18.958	17.500	17.500
190.000	18.988	17.500	17.500
195.000	19.018	17.500	17.500
200.000	19.048	17.500	17.500
205.000	19.078	17.500	17.500
210.000	19.108	17.500	17.500
215.000	19.138	17.500	17.500
220.000	19.168	17.500	17.500
225.000	19.198	17.500	17.500
230.000	19.228	17.500	17.500
235.000	19.258	17.500	17.500
240.000	19.288	17.500	17.500
245.000	19.318	17.500	17.500
250.000	19.348	17.500	17.500
253.000	19.378	17.500	17.500
256.000	19.408	17.500	17.500

Alignment - B-B
Horiz. 1:1000, Vert. 1:200
Datum: 15.00

- Notes
- Do not scale from this drawing.
 - Information on this drawing is based on Ordinate Survey data dated back to 20/10/21 from emapsite.
 - All dimensions are in metres unless otherwise stated.
 - This drawing is to be read in conjunction with all relevant documents and drawings.
 - No unauthorised disclosure, storage or copying.
 - All spatial coordinates relate to the Ordnance Survey, British National Grid (OSGB36).
 - All levels are in meters and relate to AOD (Ordnance Survey, Newlyn).

Key to symbols

- Earthworks - Fill
- Earthworks - Cut
- Indicative substation
- Existing ground profile
- Existing underside topsoil profile
- Indicative platform profile
- Indicative Formation profile



Reference drawings

Rev	Date	Drawn	Description	Ch'k'd	App'd
P04	18/10/22	PP	ISSUED FOR CLIENT REVIEW	CB	CB
P03	21/07/22	PP	DESIGN LAYOUT UPDATED	CB	CB
P02	28/06/22	PP	DRAINAGE DESIGN UPDATED	CB	CB
P01	10/06/22	PP	PRELIMINARY ISSUE	CB	CB

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Master Scheme No: 101268
Sub-Scheme No: ***
Site: HARKER 400/275/132KV SUBSTATION

Scheme Name: HARKER ENERGY ENABLEMENT SCHEME

Document Title: HARKER 400/132KV GIS SUBSTATION GENERAL ARRANGEMENT EARTHWORKS PLAN AND SECTIONS

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