

**External Works Key**

|                                |       |
|--------------------------------|-------|
| Denotes Depth of Fill          | 0.10  |
| Denotes Depth of Cut           | -0.10 |
| Denotes Depth of Zero Cut/Fill | 0.00  |

**EXISTING SITE STRIP**  
TOTAL SITE AREA = 13,289m<sup>2</sup>  
A 300mm SITE STRIP HAS BEEN ALLOWED IN THE BELOW CALCULATIONS.  
TOPSOIL GENERATED = 13,289m<sup>2</sup> x 0.3m = 3986.6m<sup>3</sup>  
ANY MATERIAL DEEMED UNSUITABLE FOR REUSE AS ENGINEERING FILL SHOULD BE REMOVED FROM SITE.

**CUT/FILL ANALYSIS BETWEEN EXISTING SITE LEVELS AND PROPOSED FORMATION LEVELS**  
ASSUME THE FOLLOWING DEPTH TO FORMATION

|                            |   |       |
|----------------------------|---|-------|
| ADAPTABLE HIGHWAY CORRIDOR | = | 600mm |
| BUILDING FOOTPRINT         | = | 400mm |
| PRIVATE DRIVES             | = | 450mm |
| GARDENS & LANDSCAPING      | = | 300mm |

**CUT/FILL RATIO**  
PROPOSED FORMATION LEVELS TO EXISTING SURVEY LEVELS

|        | CUT               | FILL               |
|--------|-------------------|--------------------|
| GROSS: | 670m <sup>3</sup> | 3490m <sup>3</sup> |
| NET:   |                   | 2820m <sup>3</sup> |

HOUSE FOUNDATION ARISINGS = 800m<sup>3</sup>  
ASSUMING ARE 800mm DEEP @ 20m<sup>2</sup> PER PLOT x 40%

ISOPACHYTE CONTOURS/VOLUMETRIC ANALYSIS REPRESENT APPROXIMATE CUT AND FILL VOLUMES BETWEEN THE PROPOSED FORMATION LEVELS AGAINST EXISTING PROPOSED LEVELS. IT IS ASSUMED THE EXISTING SITE WILL BE PROCESSED TO ENSURE ALL EXISTING MATERIAL IN SITE IS SUITABLE FOR REUSE AS ENGINEERING FILL. REFER TO THE ADJACENT VOLUMETRIC ANALYSIS ABOVE.

STANTEC DO NOT ACCEPT RESPONSIBILITY FOR VARIATIONS IN THE ACTUAL DEPTH OF THE SITE STRIP OR ANY OTHER ON SITE EARTHWORKS WHICH MAY AFFECT THE RESULTING VOLUMES. THE CONTRACTOR SHALL UNDERTAKE AN INDEPENDENT ANALYSIS OF PROPOSED EARTHWORKS TO BE REQUIRED.

- CAVEATS**
- NO BULKING FACTORS HAVE BEEN CONSIDERED.
  - NO ARISING FROM DRAINAGE NETWORK HAVE BEEN CONSIDERED.
  - DEMOLITION MATERIAL FROM ANY EXISTING BUILDINGS/STRUCTURES HAS NOT BEEN CONSIDERED.

|                            |     |      |            |            |
|----------------------------|-----|------|------------|------------|
| P03 LAYOUT UPDATED         | JF  | MP   | 11.12.2023 |            |
| P02 DRAWING NUMBER CHANGED | JF  | MP   | 04.07.2023 |            |
| P01 INITIAL ISSUE          | JF  | MP   | 20.06.2023 |            |
| Issued/Revision            | By  | Appd | DD.MA.YYYY |            |
|                            | JF  | JF   | MP         | 20.06.2023 |
|                            | Dwn | Drwn | Crk'd      | DD.MA.YYYY |

Issue Status

**S2 - FOR INFORMATION**

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Client/Project Logo

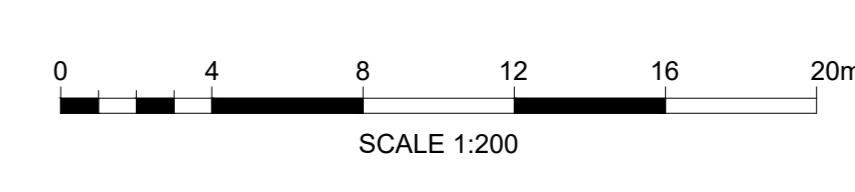


Client/Project  
THIRTEEN GROUP

HIGHMOOR LANE, CLECKHEATON

Title  
PROPOSED EARTHWORKS ANALYSIS

Project No. 39134 A0 Scale 1:200  
Revision P03 Drawing No. BC0942-51A-XX-XX-D-C-3000



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