



SURFACE LEVEL DATA

NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR
1	-3.45	-3.00	Dark Red
2	-3.00	-2.00	Red
3	-2.00	-1.00	Light Red
4	-1.00	0.00	Light Green
5	0.00	1.00	Light Green
6	1.00	2.00	Green
7	2.00	3.00	Dark Green
8	3.00	3.57	Dark Green

GENERAL NOTES:

- DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, ENGINEERS, ARCHITECTS & SERVICES DRAWINGS, INCLUDING APPROVED BUILDERS WORK DRAWINGS. CONTRACTOR TO NOTIFY ENGINEER OF DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS OR OTHER DRAWINGS.
- DO NOT SCALE FROM THIS DRAWING. WORK TO DIMENSIONS OR CO-ORDINATES PROVIDED. ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE NOTED. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS, SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.

KEY:



CUT & FILL NOTES:

EXISTING GROUND SURFACE (EXGR)
THE EXGR WAS CREATED BY TRIANGULATING THE TOPOGRAPHIC SURVEY DATA. THE SURVEY WAS CARRIED OUT BY 'HOLDEN SURVEYS LTD' IN AUGUST 2021.

EXISTING FORMATION SURFACE (EXFOR)
A EXISTING FORMATION SURFACE WAS CREATED BY LOWERING THE EXISTING GROUND LEVELS 200mm. THIS IS AN INITIAL ESTIMATE OF THE UNUSABLE TOP SOIL STRIP THAT IS TO BE EXPORTED OFF SITE. FOR SIMPLICITY, THE SMALL AREA OF EXISTING ADOPTED CARRIAGEWAY (TO BE RE-SURFACED) HAS BEEN INCLUDED IN THIS TOIL SOIL STRIP.
SITE AREA 0.2m (6.742m²x0.2m) = 1.348m²

PROPOSED FORMATION SURFACE (PRFOR)
A PROPOSED FORMATION SURFACE WAS CREATED BY LOWERING THE PROPOSED GROUND LEVELS 319mm. THIS IS AN INITIAL ESTIMATE OF THE AVERAGE FOUNDATION DEPTH, BASED ON THE FORMATION DEPTH OF EACH SURFACE TYPE. MANY ASSUMPTIONS HAVE BEEN MADE IN REGARDS TO THIS FIGURE, REFER TO 'SURFACE TYPE TABLE'.

EXFOR VS PRFOR
A CUT & FILL ANALYSIS WAS CARRIED OUT COMPARING THE 'EXISTING FORMATION SURFACE' AND THE 'PROPOSED FORMATION SURFACE'. SEE SURFACE COLOUR TABLE.
CUT: 2.408m²
FILL: 6.995m²
NET: 4.587m² OF FILL MATERIAL REQUIRED

ARISINGS
THE EXACT ARISINGS FROM DRAINAGE & SERVICES ARE CURRENTLY UNKNOWN.
AT THIS INITIAL STAGE AN AVERAGE 200mm DEPTH ACROSS THE ENTIRE SITE WILL BE ASSUMED. THIS RESULTS IN 1.348m² (6.742m²x0.2m) OF CUT MATERIAL GENERATED.

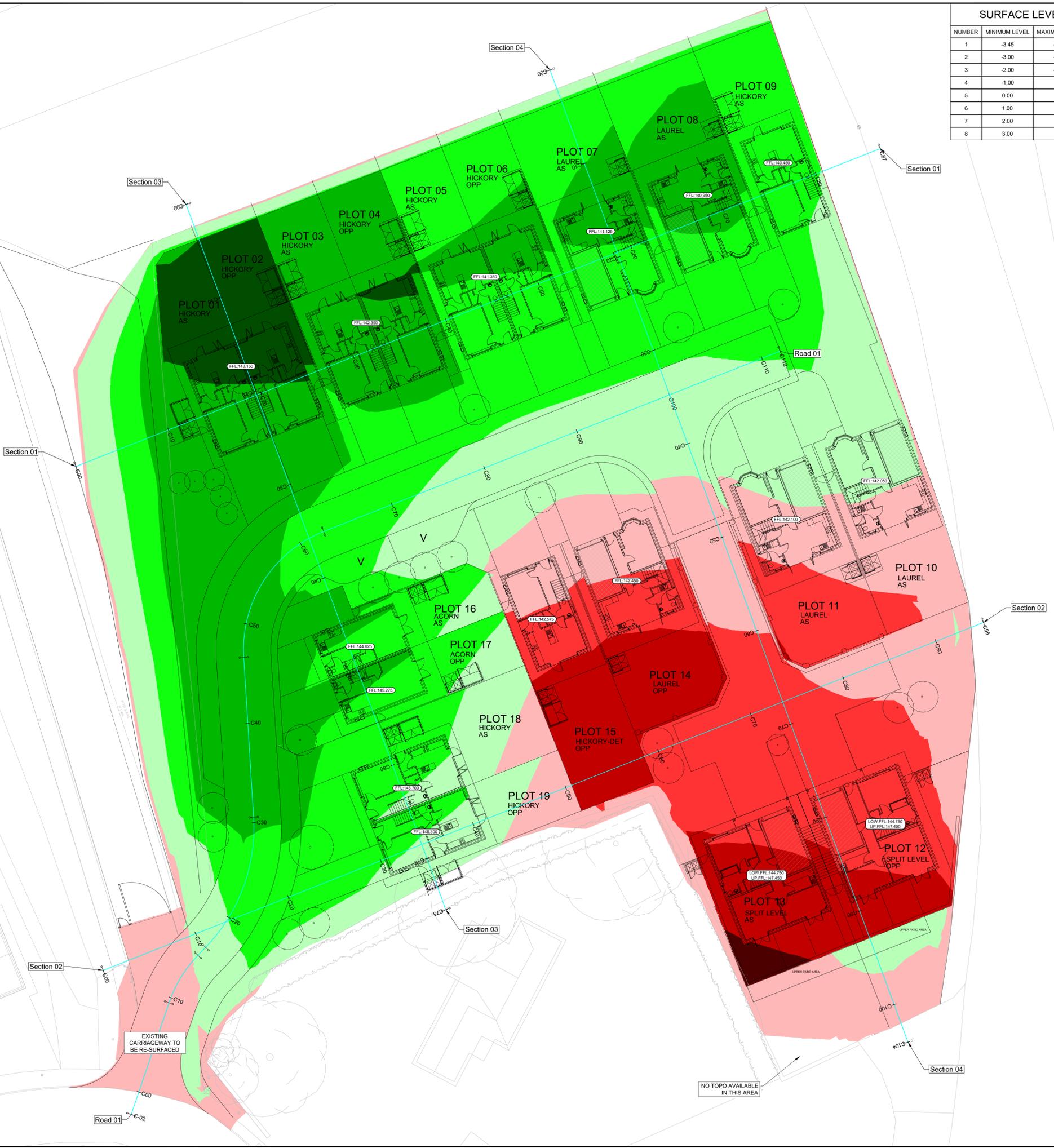
THIS CUT & FILL ANALYSIS ASSUMES ALL THE CUT MATERIAL FROM THE ARISINGS CAN BE RE-USED ON SITE. THE CONTRACTOR WILL HAVE TO MANAGE THE DEVELOPMENT PHASING AND TEMPORARY STOCKPILES TO ENSURE THE MOST EFFICIENT USE OF MATERIALS.

CUT & FILL SUMMARY
• 1.348m² OF TOPSOIL/WEEDS TO EXPORT FROM SITE
• 4.587m² OF FILL MATERIAL REQUIRED TO ACHIEVE PROPOSED FORMATION LEVELS.
• 1.348m² OF CUT MATERIAL GENERATED FROM ARISINGS.
• NET 3.239m² OF MATERIAL IMPORT REQUIRED. THIS FIGURE DOES NOT INCLUDE THE INITIAL TOP SOIL STRIP, WHICH IS LIKELY TO BE UN-RECYCLABLE AND REQUIRE EXPORTING, REGARDLESS OF THE GROUND LEVELS.

SURFACE TYPE TABLE

	Area (m ²)	Formation Depth (m)	Average Formation Depth (m)
Aphalt Carriageway	607	0.445	0.319
Aphalt Footway (Pedestrian)	107	0.220	
Aphalt Footway (Vehicle Crossing)	195	0.305	
Block Paving	1017	0.360	
Soft Landscape	2720	0.300	
Saxon Paving	681	0.200	
Building	1288	0.300	
Adopted Carriageway	117	0.540	
Adopted Footway	39	0.220	

- TABLE ASSUMES 4% CBR VALUES ACHIEVED.
- HOUSE / GARAGE FOUNDATION DEPTHS UNKNOWN AT THIS STAGE.



S2	FOR INFORMATION	04.04.25	WF
Stat	Purpose of issue	Date	Auth
P01	FIRST ISSUE	MF	04.04.25
Rev	Description	By	Date

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Client
MANDALE HOMES

Project
UPPER HOYLAND, BARNSELY

Title
CUT & FILL PLAN

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:200	MF	WF	WF
Status	Drawing Number	Date	Date	Date
S2	24047-LE-00-ZZ-DR-D-0008	04.04.25	04.04.25	04.04.25
Rev				
				P01