



- EARTHWORKS NOTES**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL & CONSULTANTS DRAWINGS AND REPORTS.
 2. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO COMMENCEMENT OF WORKS.
 3. ANY EARTHWORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION.
 4. JPG PROVIDES EARTHWORKS ANALYSIS IS INDICATIVE ONLY. IT IS BASED ON THIRD PARTY INFORMATION AND THEREFORE, JPG DO NOT ACCEPT RESPONSIBILITY FOR VARIATIONS IN THE ACTUAL SLOPE OF SITE STRIP OR ANY OTHER ON-SITE EARTHWORKS PARAMETERS THAT MAY AFFECT FINAL CUT AND FILL VOLUMES.
 5. ISOPACHYTE COLOUR BANDINGS DENOTE APPROXIMATE CUT AND FILL VOLUMES BETWEEN THE EXISTING SITE STRIP AND PROPOSED FORMATION LEVELS. REFER TO EARTHWORKS ANALYSIS TABLE.
 6. AREAS NOT SHADED WITH ISOPACHYTE COLOUR BANDINGS HAVE NOT BEEN INCLUDED IN THE CUT/FILL ANALYSIS.
 7. APPROXIMATE EARTHWORK VOLUMES HAVE BEEN DETERMINED BASED ON THE FOLLOWING CAVEATS:
 - BULKING FACTOR HAS BEEN ACCOUNTED FOR.
 - RISINGS FROM ATTENUATION BASIN FORMATION HAS BEEN ACCOUNTED FOR.
 - ARISINGS FROM BRANCHAGE AND FOUNDATION EXCAVATIONS HAVE NOT BEEN ACCOUNTED FOR.
 - EXISTING MATERIAL FROM EXISTING BUILDINGS/STRUCTURES HAVE NOT BEEN ACCOUNTED FOR.

EARTHWORKS ANALYSIS

EXISTING SITE STRIP ANALYSIS HAS ALLOWED FOR A 200mm DEEP SITE STRIP OF EXISTING TOPSOIL.

TOTAL AREA = 1088694.442m²
 TOTAL VOLUME = 21720.888m³
 SITE STRIP MATERIAL DEEMED TO BE UNSUITABLE FOR RE-USE AS ENGINEERING FILL.

TOPOGRAPHICAL SURVEY INFORMATION USED IN THE EARTHWORKS ANALYSIS TAKEN FROM: HAYCOCK & TODD LAND SURVEY CONSULTANTS, TOPOGRAPHICAL SURVEY, DRAWING NO. SB315.

ANALYSIS BETWEEN EXISTING SITE STRIP & PROPOSED PLATEAU LEVELS

2D AREA	1088694.442m ²
CUT	174481.359m ²
BULKING FACTOR (5%)	87343.655m ²
FILL	1841709.854m ²
NET (SHORTFALL)	7355.489m ²
MAXIMUM CUT DEPTH	-14.850m
MAXIMUM FILL DEPTH	14.580m

SURFACE LEVEL DATA

MIN. LEVEL	MAX. LEVEL	COLOUR
-18.000m	-15.000m	Red
-15.000m	-12.000m	Dark Red
-12.000m	-9.000m	Red-Orange
-9.000m	-6.000m	Orange
-6.000m	-3.000m	Light Orange
-3.000m	0.000m	Yellow-Orange
0.000m	3.000m	Yellow
3.000m	6.000m	Light Green
6.000m	9.000m	Green
9.000m	12.000m	Dark Green
12.000m	15.000m	Very Dark Green
15.000m	18.000m	Black

- LEGEND**
- 0.000 DENOTES PROPOSED MAJOR CONTOURS
 - 0.000 DENOTES PROPOSED MINOR CONTOURS
 - 1:40 DENOTES PROPOSED GRADIENTS

REV	DESCRIPTION	DATE	CHK	BY
P06	UPDATED COMMERCIAL LAYOUT, UPDATED LINE ROAD LAYOUT AND LEVELS.	04/02/21	CPH	CLT
P05	UPDATED TO INCLUDE DETAILED HIGHWAYS, EMBANKMENT AND DRAINAGE DESIGN.	28/11/20	CPH	CLT
P04	UPDATED RED-LINE BOUNDARY.	17/11/20	CPH	CLT
P03	INTERIM TO SITE BOUNDARY, ALTERATION TO LINE ROAD ALIGNMENT.	24/02/20	CPH	CLT
P02	AMENDMENTS TO LAYOUT IN LINE WITH ARCHITECTS COMMENTS.	17/03/19	CPH	CLT
P01	FIRST ISSUE	23/08/17	CPH	CLT

Project
 BARNESLEY WEST

Drawing Title
 SITE WIDE CUT/FILL ANALYSIS

PLANNING

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