



JPG-PROPOSED EARTHWORKS - CUT & FILL ANALYSIS

SCALE 1:500

0m 12.5m 25m
SCALE 1:500

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NOTES

EARTHWORKS NOTES

1. JPG PROPOSED EARTHWORKS ANALYSIS IS INDICATIVE ONLY. IT IS BASED ON THIRD PARTY INFORMATION AND THEREFORE JPG DO NOT ACCEPT RESPONSIBILITY FOR VARIATIONS IN THE ACTUAL DEPTH OF SITE STRIP OR ANY OTHER ON-SITE EARTHWORKS PARAMETERS THAT MAY AFFECT FINAL CUT AND FILL VOLUMES.
2. ISOPACHYTE COLOUR BANDINGS DENOTE APPROXIMATE CUT AND FILL VOLUMES BETWEEN THE EXISTING SITE STRIP AND PROPOSED FORMATION LEVELS. REFER TO EARTHWORKS ANALYSIS TABLE.
3. AREAS NOT SHADED WITH ISOPACHYTE COLOUR BANDINGS HAVE NOT BEEN INCLUDED IN THE CUT/FILL ANALYSIS.
4. ALL RETAINING WALL LOCATIONS SHOWN ARE INDICATIVE ONLY AND ARE SUBJECT TO DETAILED DESIGN.
5. APPROXIMATE EARTHWORK VOLUMES HAVE BEEN DETERMINED BASED ON THE FOLLOWING CAVEATS:
 - NO BUILDING FACTORS HAVE BEEN ACCOUNTED FOR.
 - ARRIVES FROM DRAINAGE AND FOUNDATION EXCAVATIONS HAVE NOT BEEN ACCOUNTED FOR.
 - DISCARDED MATERIAL FROM EXISTING BUILDINGS/STRUCTURES HAVE NOT BEEN ACCOUNTED FOR.

EARTHWORKS ANALYSIS

EXISTING SITE STRIP
ALLOW 350mm DEEP SITE STRIP OF EXISTING TOPSOIL.
TOTAL AREA = 37214.922m²
TOTAL VOLUME = 13012.223m³
SITE STRIP MATERIAL DEEMED TO BE UNSUITABLE FOR RE-USE AS ENGINEERING FILL

PROPOSED FORMATION LEVELS
DEPTH TO FORMATION
UNIT = 400mm
SERVICE YARD = 400mm
CAR PARK = 400mm
ESTATE ROADS = 400mm
FOOTPATH = 400mm

ANALYSIS BETWEEN EXISTING SITE STRIP & PROPOSED FORMATION LEVELS

2D AREA	44808.602m ²
CUT	15611.065m ³
FILL	17186.985m ³
NET (SHORTFALL)	1575.920m ³
MAXIMUM CUT DEPTH	-2.865m
MAXIMUM FILL DEPTH	2.002m

SURFACE LEVEL DATA

MIN. LEVEL	MAX. LEVEL	COLOUR
-3.000m	-2.500m	
-2.500m	-2.000m	
-2.000m	-1.500m	
-1.500m	-1.000m	
-1.000m	-0.500m	
-0.500m	0.000m	
0.000m	0.500m	
0.500m	1.000m	
1.000m	1.500m	
1.500m	2.000m	
2.000m	2.500m	
2.500m	3.000m	

LEGEND

— DENOTES PROPOSED RETAINING WALLS
0.000m — DENOTES RETAINED HEIGHTS

LEGEND

0.500 — DENOTES PROPOSED MAJOR CONTOURS
0.100 — DENOTES PROPOSED MINOR CONTOURS
1:40 — DENOTES PROPOSED GRADIENTS

P04	UNIT 1 LIFTED AND EXTERNAL LEVELS AMENDED	20.03.22	MDP	BT
P03	FURTHER DETAIL ADDED TO LEVELS & POND LOWERED	20.04.22	KW	BT
P02	REVISED FOR AMENDED SITE LAYOUT & FILL LIFTED	10.03.22	KW	BT
P01	INITIAL ISSUE	03.12.20	KW	LEG
REV	DESCRIPTION	DATE	CHK	BY

Project:
KNOWSLEY BUSINESS PARK
KNOWSLEY
LIVERPOOL

Drawing Title:
PROPOSED EARTHWORKS - CUT & FILL ANALYSIS

INFORMATION ISSUE

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