

SURFACE LEVEL DATA			
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR
1	-4.00	-3.00	■
2	-3.00	-2.00	■
3	-2.00	-1.00	■
4	-1.00	0.00	■
5	0.00	1.00	■
6	1.00	2.00	■
7	2.00	3.00	■
8	3.00	4.00	■

- NOTES**
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE BEFORE COMMENCEMENT OF WORKS. WORK TO FIGURED DIMENSIONS ONLY. DO NOT SCALE OFF THIS DRAWING. ANY DISCREPANCIES ARE TO BE REPORTED TO THE BURROWS GRAHAM FOR CLARIFICATION.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT BURROWS GRAHAM DRAWINGS AND SPECIFICATIONS.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND M&E SERVICES DRAWINGS AND SPECIFICATIONS.
 - THIS DRAWING IS BASED ON ASHTON SMITH DRAWING 21152-ASA-06-22-ZZ-D-A-0003 (B3-P12) PROPOSED SITE PLAN.
 - THIS DRAWING IS BASED ON SURVEY SYSTEMS DRAWING NO. 21194-BGL-XX-XX-DR-S-002022-00203-00204 DATED 06/2022. NO ALLOWANCE HAS BEEN MADE FOR ANY CHANGES IN GROUND PROFILE AFTER DATE OF SURVEY.
 - PROPOSED SURFACE LEVELS ARE SHOWN ON BURROWS GRAHAM DRAWING NO 21194-BGL-XX-XX-DR-S-002022-00203-00204.
 - ISOPACHYTE CONTOURS ARE SHOWN AT 1M INTERVALS.
 - IT IS ASSUMED THAT A 200MM DEEP LAYER OF SURFACE MATERIAL WILL BE STRIPPED PRIOR TO COMMENCEMENT OF EARTHWORKS. ACTUAL DEPTH OF STRIP WILL VARY TO SUIT ACTUAL DEPTH OF MATERIAL. THIS WILL AFFECT FINAL EARTHWORKS VOLUMES. EXISTING HARDSTANDING MATERIALS, ETC. MAY BE SUITABLE FOR REUSE AS CAPPING/SUBBASE.
 - TOTAL HARD STRIP @ 200MM = 13,200 CU M TO BE USED AS CAPPING / SUBBASE WHERE SUITABLE, OR REMOVED OFF-SITE. TOTAL TOPSOIL @ 200MM = 5600 CU M TO BE USED FOR LANDSCAPING. ANY REMAINING MATERIAL TO BE REMOVED OFF-SITE.
 - THE FOLLOWING CONSTRUCTION BUILD-UPS ARE ASSUMED FOR THE PURPOSES OF EARTHWORKS VOLUME CALCULATION ONLY. THESE BUILD-UPS ARE NOT TO BE USED FOR PRICING PAVEMENT/SUB-BASE/CAPPING LAYERS FOR ACTUAL DEPTHS OF PAVEMENT/SUB-BASE/CAPPING LAYERS REFER TO BURROWS GRAHAM PAVEMENT DRAWING SPECIFICATION.
 - BUILDING FOOTPRINT 500MM
 - CAR PARK 350MM
 - SERVICE YARD 400MM
 - ACCESS ROAD 800MM
 - NO ALLOWANCE HAS BEEN MADE FOR BULKING OF MATERIALS FROM GROUND/WORKS (FOUNDATIONS, DRAINAGE ETC).
 - EARTHWORKS SLOPES ARE ASSUMED TO BE 1:3 FOR THE PURPOSES OF VOLUME CALCULATION ONLY AND THIS IS SUBJECT TO DETAILED GEOTECHNICAL ASSESSMENT PRIOR TO CONFIRMING FINAL LEVELS.
 - VOLUMES ARE CALCULATED AS THE DIFFERENCE BETWEEN:
 - GROUND LEVEL AFTER TOPSOIL/SURFACE MATERIAL STRIP
 - UNDERSIDE OF CONSTRUCTION BUILD-UP
 - PRELIMINARY EARTHWORKS VOLUMES ARE AS FOLLOWS:
 - CUT = 43,510 CU M
 - FILL = 51,375 CU M
 - REQUIRED FILL = 7,865 CU M (TO BE BALANCED WITH ARISING)
 - ALL VOLUMES STATED ON THIS DRAWING ARE BASED ON PRELIMINARY CALCULATION BY BURROWS GRAHAM AND SHOULD BE VERIFIED/FINALISED BY THE EARTHWORKS CONTRACTORS OWN CALCULATIONS/MODELLING.

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING	
CONSTRUCTION	
MAINTENANCE	
DEMOLITION	
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT	

P14	14/03/2023	JAM	Updated to show latest architects layout	JW
P13	01/03/2023	JAM	Updated to suit latest architects layout	JW
P12	05/01/2023	ALA	Updated to suit latest levels and pavement build ups	JW
P11	20/10/2022	ALA	Updated to suit latest architects layout	JW
P10	13/10/2022	ALA	Updated to suit latest levels	JW
P9	11/10/2022	ALA	Updated to suit latest architects layout	JW
P8	19/08/2022	ALA	Updated to suit latest architects layout	SEB
P7	12/08/2022	ALA	Footpath updated	JW
P6	10/08/2022	ALA	Updated to suit architects layout	JW
P5	18/07/2022	JAM	Updated to suit architects layout	JW
P4	06/07/2022	RO	Tree Survey added	SEB
P3	27/06/2022	ALA	Updated to suit new Topo	JW
P2	16/05/2022	ALA	Detailed modelling	JW
P1	16/02/2022	AM	First Issue	SEB
REV	DATE	BY	REVISION	CHK'D

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CLIENT
Trammell Crow Company

PROJECT
MANCHESTER ROAD HEYWOOD

DRAWING TITLE			
EARTHWORKS VOLUMES			
OUR PROJECT NUMBER	DRAWING STATUS	OFFICE	
21194	PRELIMINARY	NORTH	
SCALE @ A1	DATE	DRAWN BY	CHECKED BY
1:1000	16/02/2022	AM	SEB
DRAWING No			REV
21194-BGL-XX-XX-DR-C-00201			P14