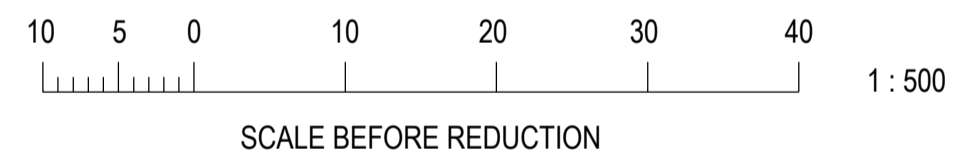


HIGHWAYS PHASE 1 - PERMANENT ROUNDABOUT LAYOUT

CUT AND FILL SUMMARY						
DESCRIPTION	AREA (M2)	CUT FACTOR	FILL FACTOR	CUT (M3)	FILL (M3)	TOTALS (M3)
PHASE 1 TEMPORARY SITUATION						
ROAD 1	3778	1	1	146	1114	968 (FILL)
ROAD 1 (ACCESS ROAD LINK)	765	1	1	120	12	108 (CUT)
ROAD 2	11235	1	1	26685	58	26627 (CUT)
PROPOSED ROUNDABOUT	8926	1	1	2288	3524	1256 (FILL)
ROAD 4	10495	1	1	4810	4398	412 (CUT)
TOPSOIL (300MM DEPTH ASSUMED)		1	1	10560	-	10560 (CUT)
SUB TOTAL	35199	-	-	44589	9106	35483 (CUT)
PHASE 1 FINAL SITUATION						
PHASE 1 TEMPORARY SUB TOTAL	35199	1	1	44589	9106	35483 (CUT)
ROUNDABOUT UPGRADE	5169	1	1	887	71	816 (CUT)
TOTAL	40368	-	-	45476	9177	36299 (CUT)

Number	Range From [m]	Range To [m]	Colour		
1	-6.000	-5.000	Red	CUT	
2	-5.000	-4.000	Orange		
3	-4.000	-3.000	Yellow		
4	-3.000	-2.000	Light Green		
5	-2.000	-1.000	Green		
6	-1.000	0.000	Cyan		
7	0.000	1.000	Blue		FILL
8	1.000	2.000	Dark Blue		
9	2.000	3.000	Purple		



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DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION
IN ADDITION TO THE HAZARDOUS RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING CONSTRUCTION.

MAINTENANCE/CLEANING/OPERATION

DECOMMISSIONING/DEMOLITION

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, DETAILS, SPECIFICATIONS AND REPORTS PREPARED AS PART OF THE PLANNING APPLICATION SUBMITTED IN SEPTEMBER 2021.
- THE DRAWINGS IS ALSO TO BE READ IN CONJUNCTION WITH BARTON WILLMORE MASTERPLAN REF 32147_MIR_M_DWG14A
- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- THE TOPOGRAPHICAL DATA IS BASED ON INFORMATION PROVIDED BY THE COUNCIL. ORDNANCE SURVEY DATA HAS ALSO BEEN USED FOR ADDITIONAL WIDER BACKGROUND CONTEXT.
- THE DATA USED IN THE PREPARATION OF THIS AND ALL OTHER BURRO HAPPOLD DESIGNS AND DRAWINGS IS NOT WARRANTED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURVEY INFORMATION PROVIDED AND REPORT ANY ANOMALIES TO BURRO HAPPOLD.
- THIS DRAWING HAS BEEN PREPARED FOR THE SOLE BENEFIT. USE AND INFORMATION OF THE CLIENT. THE LIABILITY OF BURRO HAPPOLD IN RESPECT OF ANY INFORMATION CONTAINED IN THE DRAWING WILL NOT EXTEND TO ANY THIRD PARTIES. BURRO HAPPOLD ACCEPTS NO LIABILITY FOR ANY USE/MISUSE OF THIS DRAWING OTHER THAN FOR THE PURPOSE FOR WHICH IT HAS BEEN PROVIDED.

DESIGN NOTES
THE HIGHWAYS DESIGN PHILOSOPHY HAS BEEN PREPARED IN COMPLIANCE WITH THE FOLLOWING DESIGN DOCUMENTS:
LINK ROAD DESIGN - KIRKLEES'S DESIGN GUIDANCE DOCUMENT DATED 2016 AND ASSOCIATED DOCUMENTS BROUGHT IN BY REFERENCE.
ROUNDABOUT DESIGN - DESIGN MANUAL FOR ROADS AND BRIDGES (CD SERIES)

EARTHWORKS NOTES

- THE PROPOSED LEVELS SHOWN ON THE CONTOURS PLANS ARE AT PROPOSED FINISHED LEVELS.
- THE PROPOSED EARTHWORKS DESIGN HAS BEEN BASED UPON TOPOGRAPHICAL INFORMATION PROVIDED AND DOES NOT ACCOUNT FOR ANY SUBSEQUENT GROUND ALTERATIONS SINCE THE SURVEYS HAVE BEEN CARRIED OUT.
- THE EARTHWORKS VOLUMES ASSUME NO BULKING FACTORS THIS IS TO BE CONSIDERED BY CONTRACTOR. SIMILARLY THE LEVEL AND MANAGEMENT OF RE-USABLE MATERIAL IS TO BE EVALUATED BY THE CONTRACTOR TOO.
- THE DEPTH BANDING ON THE ISOPACHYTE DRAWING SERIES IS BETWEEN PROPOSED FORMATION SURFACE AND SITE STRIP SURFACE. THE SITE STRIP HAS BEEN ASSUMED AS 300mm BELOW EXISTING GROUND LEVEL. THE FORMATION SURFACE HAS BEEN ASSUMED AS 450mm BELOW PROPOSED FINISHED LEVEL.

LEVELS DESIGN
THE PROPOSED LEVELS AND DESIGN HAS BEEN BASED ON THE FOLLOWING:

- MINIMISING CHANGES TO EXISTING CARRIAGEWAY LEVELS (OVERLAY/LAY)
- MINIMISING CHANGES TO EXISTING LONGFALLS
- UTILISING CROSSFALL WHICH FACILITATES DRAINAGE TO PROPOSED SWALES.
- GUIDANCE FROM THE KIRKLEES HIGHWAYS DESIGN GUIDE AND DMRB DOCUMENTS.
- MAINTAINING LEVELS OR FACILITATING LEVELS AT CRITICAL POINTS INCLUDING BUT NOT LIMITED TO THE EXISTING GAS MAIN AND POTENTIAL FUTURE LINK TO NETWORK RAIL PROPOSED BRIDGE/ROUNDABOUT (BASED OFF INFORMATION RECEIVED FROM NETWORK RAIL DRAWINGS REFERRED TO INCLUDE NR13 PLANNING SERIES CALDER RIVER BRIDGE MWN2-202)

P02	PLANNING ISSUE	24.09.21	KH	AH	AH
P01	PLANNING ISSUE	10.09.21	KH	AH	AH
Rev	Description	Date	Iss'd	Rev'd	App'd

PLANNING

Project Stage

FOR INFORMATION

Status of Drawing

BURO HAPPOLD

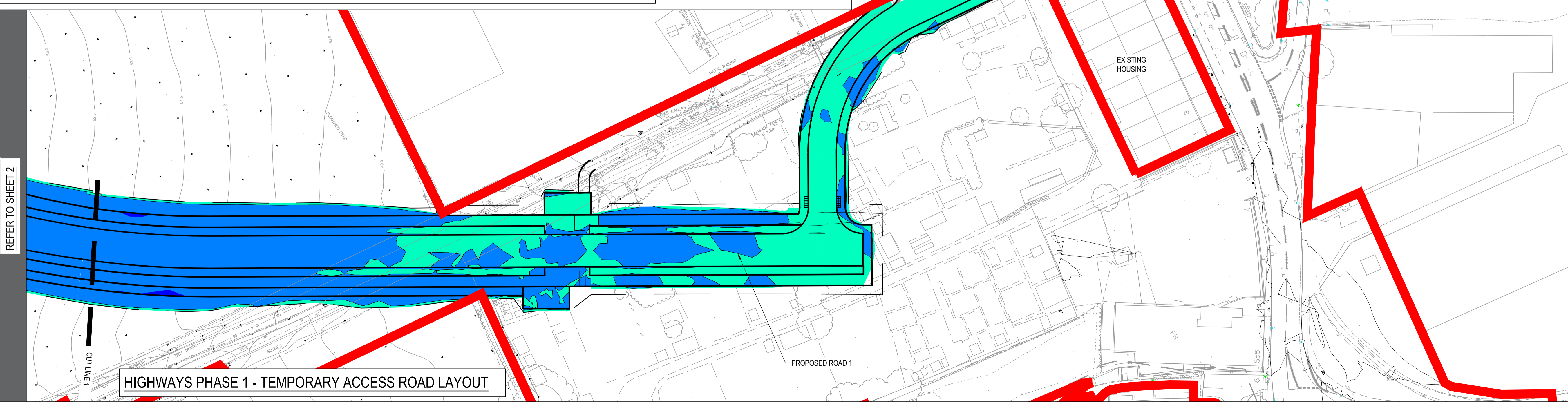
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Client: KIRKLEES COUNCIL
Architect: BARTON WILLMORE
Project: DEWSBURY RIVERSIDE
Dwg Title: HIGHWAYS PHASE 1 EARTHWORKS - ISOPACH SHEET 1

Job No: 0048206
Scale: A1
1-500

Drawn/Designed By: KH
Checked By: AH
Approved By: AH

Drawing No: DR-BH-XX-XX-DR-C-00-2157
Revision: P02



HIGHWAYS PHASE 1 - TEMPORARY ACCESS ROAD LAYOUT

REFER TO SHEET 2

REFER TO SHEET 2

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