© Buro Happold Limited or its group companies.
All Rights reserved. Buro Happold and its group companies assert (unless otherwise agreed in writing) their rights under s.77 to 89 of the Copyright, Designs and Patents Act 1988.

DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION.

MAINTENANCE/CLEANING/OPERATION.

DECOMMISSIONING/DEMOLITION.

GENERAL NOTES

1. 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.
2. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
3. THE TOPOGRAPHICAL DATA IS BASED ON INFORMATION PROVIDED BY:

- SILKSTONE SURVEY - DRAWING REFERENCE : 21056
- SURVEY OPERATIONS - DRAWING REFERENCE : 19G064
- ORDNANCE SURVEY DATA HAS BEEN USED FOR ADDITIONAL WIDER BACKGROUND CONTEXT.

4. THE DATA USED IN THE PREPERATION OF THIS AND ALL OTHER BURO HAPPOLD DESIGNS AND DRAWINGS IS NOT WARRANTED. IT SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR TO VERIFY ALL SURVEY INFORMATION PROVIDED AND REPORT ANY ANOMALIES TO BURO HAPPOLD.
5. THIS DRAWING HAS BEEN PREPARED FOR THE SOLE BENEFIT, USE AND INFORMATION OF THE CLIENT. THE LIABILITY OF BURO HAPPOLD IN RESPECT OF ANY INFORMATION CONTAINED IN THE DRAWING WILL NOT EXTEND TO ANY THIRD PARTIES. BUROHAPPOLD ACCEPTS NO LIABILITY FOR ANY USE/MISUSE OF THIS DRAWING OTHER THAN FOR THE PURPOSE FOR WHICH IT HAS BEEN PRODUCED.

KEY

- PLANNING BOUNDARY
- EXISTING GAS MAIN
- EXISTING SURFACE WATER DRAINAGE

PROPOSED

- SWALES
- INTERNAL SWALES - OUTSIDE PLANNING BOUNDARY
- CHECK DAMS ON ATTENUATION BASINS
- PIPES
- INTERNAL PIPES - OUTSIDE PLANNING BOUNDARY
- ATTENUATION BASINS
- INTERNAL ATTENUATION BASINS - OUTSIDE PLANNING BOUNDARY
- MANHOLES
- INTERNAL MANHOLE - OUTSIDE PLANNING BOUNDARY
- GULLY

REFER TO SHEET 2151

PROPOSED CONNECTION TO EXISTING MANHOLE IN CULVERTED WATERCOURSE. PIPE TO BE LOCATED UNDER EXISTING RAVESNTHORPE ROAD CUL-DE-SAC. DISCHARGE RATE = 5.4 l/s. SURVEY REQUIRED TO DETERMINE EXISTING LEVEL (ASSUMED IL = 42.7 m AOD)

RAVENSTHORPE ROAD

RAVENSTHORPE ROAD

EXISTING HOUSING

2 NEW GULLIES NEEDED IN TEMPORARY ACCESS

EXISTING ROAD 2

PROPOSED MANHOLES TO BE ADDED AT THIS PHASE FOR THE PERMANENT DRAINAGE DESIGN

PROPOSED ROAD 1

CUT LINE 1

ATTENUATION BASIN STORAGE VOLUME REQUIRED: 280m3

SHAPE AND EXTENTS OF ATTENUATION BASINS INDICATIVELY SHOWN

INCOMING PIPE IL = 44.2

OUTFALL PIPE IL = 44.0

EXISTING ROAD 3

EXISTING ROAD 1

HIGHWAYS PHASE 1
TEMPORARY HIGHWAY OPTION
SURFACE WATER DRAINAGE
SCALE 1:500

10 5 0 10 20 30 40
SCALE BEFORE REDUCTION
1 : 500

Rev	Description	Date	Iss'd	Rev'd	App'd
P05	DRAFT	21.10.22	SG	AH	AH
P04	MANHOLE COVER LEVEL ADDED	09.11.21	SG	AH	AH
P03	PHASING BOUNDARIES ADDED	10.12.21	KH	AH	AH
P02	PLANNING ISSUE	17.09.21	KH	AH	AH
P01	PLANNING ISSUE	10.09.21	FD	AH	AH

PLANNING

Project Stage

FOR INFORMATION

Status of Drawing

BURO HAPPOLD

3 Wellington Place
Leeds
LS1 4AP

Tel: 0113 204 2200
Fax:
Email:
Web: www.burohappold.com

Client *KIRKLEES COUNCIL*

Architect *BARTON WILLMORE*

Project **DEWSBURY RIVERSIDE**

Drg Title HIGHWAYS PHASE 1
HIGHWAYS DRAINAGE
SHEET 2

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-00-2171

Revision P05

Stefan.Gandler Ian.Hesketh Project:cad/0048206 Dewsbury Riverside/05 Cities - Infra/1_Sheet/03_Highways/02_Detailed Design/DR-BH-XX-XX-DR-C-00-2170 TO 72_(Phase 1 Drainage).dwg