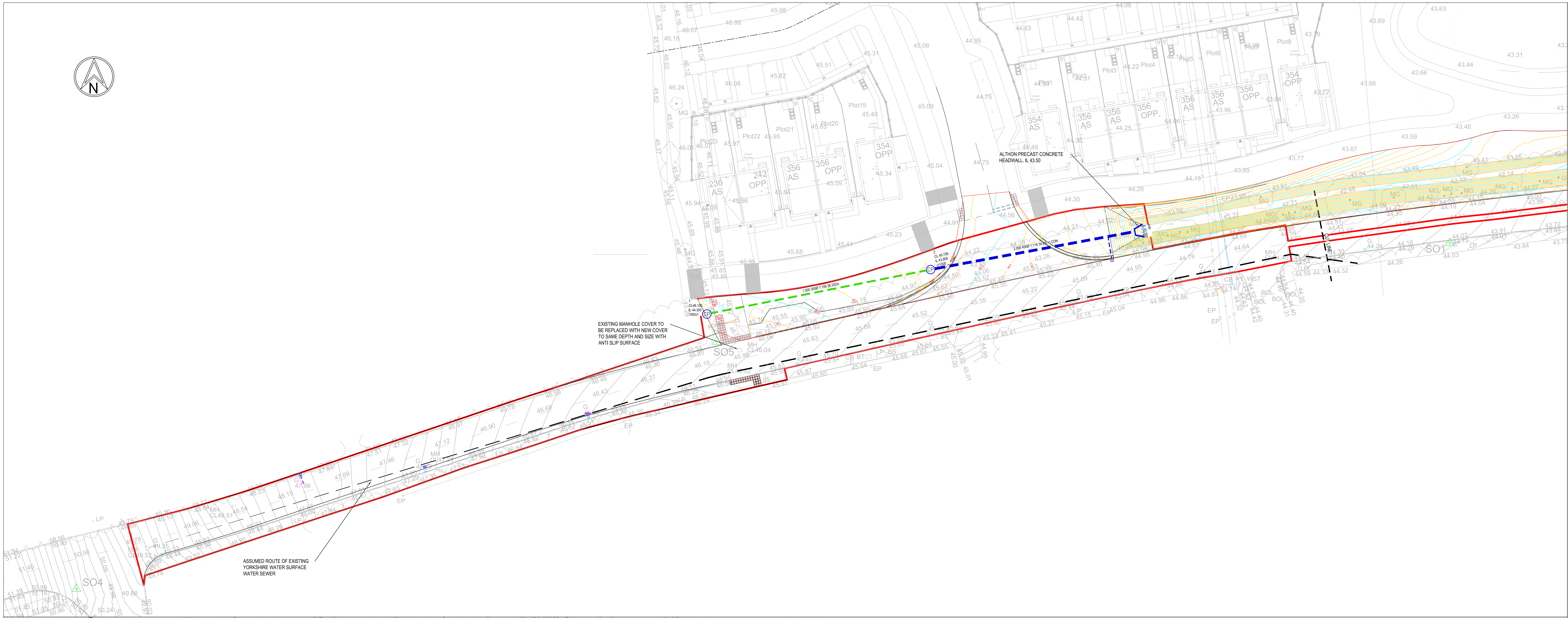

GENERAL SAFETY NOTES:

1. WHERE THE BASE (ROAD BASE) HAS BEEN USED AS A TEMPORARY RUNNING SURFACE DURING THE CONTRACT IT SHALL BE THOROUGHLY CLEANED AND POWER WASHED AS NECESSARY. AFTER DRYING AND IMMEDIATELY BEFORE THE BINDER COURSE IS LAID A TACK COAT OF BITUMEN EMULSION CLASS A1-40 OR K1-40 TO BS434 SHALL BE APPLIED AT A RATE OF 0.35-0.55 LITRES/SQ METER.
2. ALL RADIUS KERBS WITH A RADIUS OF 12m OR LESS SHALL BE FORMED WITH PROPRIETARY RADIUS KERBS.

HEALTH & SAFETY:

1. CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.

ROADS & DRAINAGE

2. CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE
3. THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
4. CONNECTIONS TO EXISTING SEWERS TO BE MADE BY APPROVED CONTRACTOR ONLY.
5. CONTRACTOR TO MAKE OPERATIVES AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (WEILS DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
6. UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.

PIPES & CABLES

7. CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING.
8. SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.

EXCAVATION/FILL

9. CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.
10. CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
11. CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.

DESIGN NOTES

PROPOSED LEVELS HAVE BEEN BASED ON THE EXISTING TOPOGRAPHICAL SURVEY BY JLP SURVEYING CONSULTANTS LTD. DRAWING REF: S14-219 (DATED 07AUGUST 2014).

1. ALL WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING DOCUMENTS:
- DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
- SPECIFICATION FOR HIGHWAY WORKS (SHW)
- LOCAL AUTHORITY DESIGN GUIDE AND SPECIFICATION

2. PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY STATUTORY UNDERTAKERS EQUIPMENT WITHIN THE NEW ACCESS AND DISCUSS REQUIREMENTS FOR LOWERING/DIVERSION AND PROTECTION WITH THE RELEVANT UNDERTAKER.

3. ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO APPLY FOR ROAD OPENING NOTICES ETC AS REQUIRED.

4. ROAD CONSTRUCTION DETAIL SUBJECT TO CONFIRMATION OF CBR VALUES. CONTRACTOR TO ALLOW FOR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEER PRIOR TO WORKS COMMENCING.

5. WORKS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT STANDARDS, BMBC SPECIFICATIONS AND GUIDANCE. ANY ISSUES IDENTIFIED ON SITE ARE TO BE ADDRESSED TO THE SATISFACTION OF BMBC AS LHA THROUGH THE DEVELOPMENT MANAGEMENT TEAM.

KEY

S278 SITE BOUNDARY

PROPOSED ADOPTED FILTER DRAIN WITH 300mm PERFORATED PIPE TO INTERCEPT EXISTING LAND DRAINAGE WHICH CURRENTLY OUTFALLS INTO THE DITCH, CONCRETE PIPE TO SOUTH YORKSHIRE LABORATORY SPECIFICATION 13.

PROPOSED ADOPTED 450mm HIGHWAY DRAIN. CONCRETE PIPE TO BS5911 AND SOUTH YORKSHIRE LABORATORY SPECIFICATION 134

EXISTING SURFACE WATER SEWER

CP PROPOSED ADOPTED CATCHPIT CHAMBER

G PROPOSED ADOPTED ROAD GULLY WITH 150mm CONNECTION. CLAY PIPE TO BS EN 295 AND BS 65

G GULLY TO BE RELOCATED

EXISTING GULLY COVER AND FRAME TO BE STORED FOR RE-USE
EXISTING GULLY POT TO BE CAPPED WITH PROPRIETARY STOPPER AND BACK FILLED WITH ST4 CONCRETE, OR BROKEN OUT IF IT CLASHES WITH THE NEW GULLY.
NEW GULLY TO RE-USE EXISTING COVER AND FRAME, AND EXISTING GULLY LEAD WHERE FEASIBLE WITH THE AGREEMENT OF BMBC.
EXISTING LATERAL CONNECTIONS TO BE UTILISED SUBJECT TO SATISFACTORY CCTV SURVEY TO CONFIRM STRUCTURAL INTEGRITY OF DRAIN

PROPOSED MAJOR CONTOUR

PROPOSED MINOR CONTOUR

EXISTING CONTOUR

SUBJECT TO LOCAL AUTHORITY APPROVAL

DATE	DESCRIPTION	DR	CHK	REV
03/09/2026	KEY UPDATED	JF	AE	4
27/08/2026	UPDATED FOLLOWING LHA COMMENTS RECEIVED 17/08/26	JF	AE	3
27/05/2026	GENERAL UPDATES FOLLOWING CLIENT REVIEW	JF	AE	2
20/05/2026	ISSUED FOR APPROVAL	JF	AE	1

APPROVAL

RWO Civil Structures Geoenvironmental

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NEWCASTLE | LEEDS | LONDON | STOKESLEY

CLIENT:
VISTRY GROUP

PROJECT:
SHAW LANE
CARLTON

TITLE:
SECTION 278 - PROPOSED LEVELS AND DRAINAGE - SITE ACCESS

PROJECT No: 24307 | DISCIPLINE: CIVIL | SCALE: @:A0 1:250

DRAWING No: D514 | REV: 4

Project - Originator - Functional Breakdown - Spatial Breakdown - Form - Discipline - Number