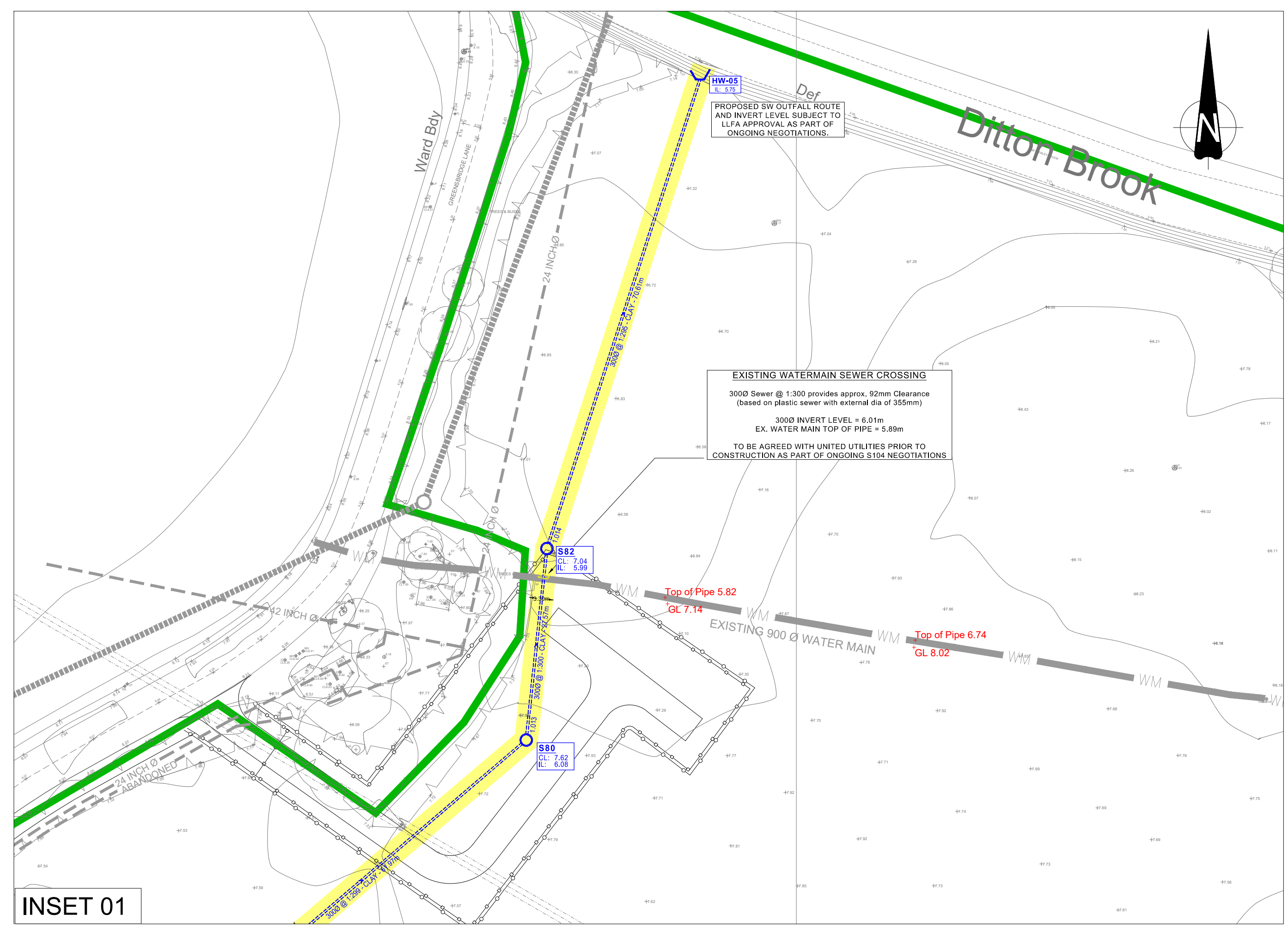
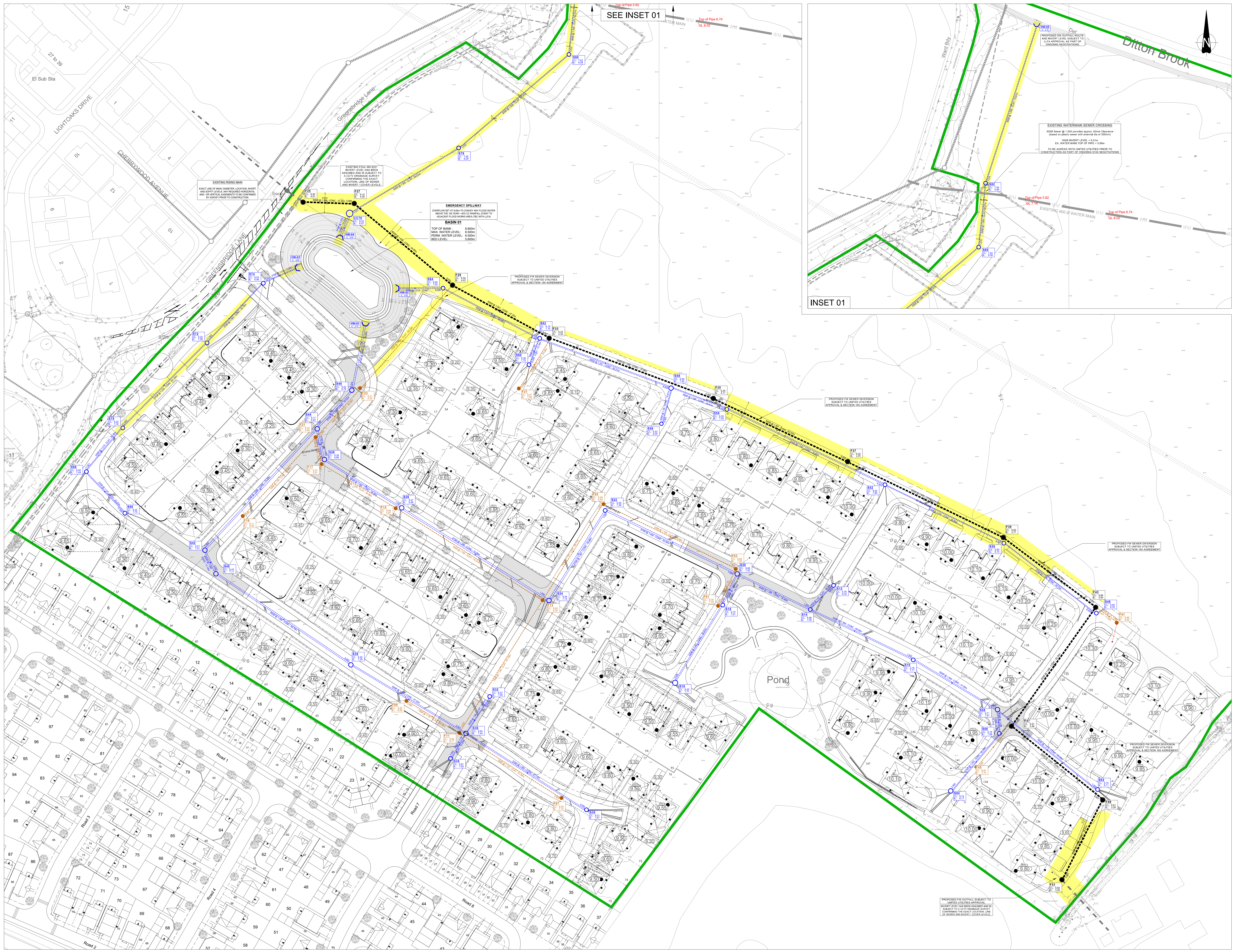




S104 Legend

General

- Finished Floor Level
- Development Boundary

Proposed Drainage

- S104 FW Sewer & MH
- S104 SW Sewer & MH
- S104 FW Manhole Ref.
- S104 SW Manhole Ref.
- S104 Highway Gully & Connection
- S104 Private Sewer & MH
- Private Sewer & MH
- Private Sewer & I.C.
- Private Sewer & I.C.

Existing Drainage

- FW Sewer & MH
- FW Sewer & MH

Notes

- The drawing is to be used in conjunction with the relevant architectural and engineering drawings.
- Levels indicated on this plan are Finished Floor Levels and are 100mm above natural ground level.
- The drawing is intended to show the proposed sewerage infrastructure in general terms only. It is not intended to show the exact location of the sewerage infrastructure.
- Any proposed sewerage infrastructure is to be installed in accordance with the relevant standards and specifications.
- Any proposed sewerage infrastructure is to be installed in accordance with the relevant standards and specifications.
- Any proposed sewerage infrastructure is to be installed in accordance with the relevant standards and specifications.

ADOPTABLE ROADS AND SEWERS

- Roads, footways and parking bays which form part of the highway to be adopted under Section 104 of the Highways Act 1980 and comply with the requirements of the Adopting Authority.
- Sewers to be adopted under Section 104 of the Water Industries Act 1991 shall comply with the Water Authorities Association 'DESIGN AND CONSTRUCTION GUIDANCE' with any amendments specified by the Adopting Water Authority.
- All pipes to be used in adoptable sewerage shall be either clayware to BS EN 286 or concrete to BS EN 1916 and BS 5911 Part 1 with Class 5 bedding unless otherwise stated. With approval of the Adopting Authority and well constructed external 10 reinforced UPVC pipes complying with the relevant provisions of BS EN 14784 may be used.
- Where cover to a pipe is more than 1200mm under adoptable carriageway the trench shall be filled to formation of the carriageway with well compacted DTP Type 1 material.
- Where cover to a pipe is less than 1200mm under adoptable carriageway it shall be provided with concrete protection in accordance with the specification of the adopting authority and back filled to formation of the carriageway with well compacted DTP Type 1 material. Where concrete bed and surround is specified flexibility of joints is to be maintained by using compressible bladders impregnated foambed at each pipe joint.
- All existing drainage invert levels, diameters and locations are to be checked by the Contractor prior to the commencement of any proposed drainage work. Any difference between actual and drawn details is to be reported to the Engineer immediately.
- Positions of existing underground utility services adjacent to or crossing proposed sewers is to be checked by the Contractor prior to starting work.

Revisions

Rev.	Description	Date	By
B	Various amendments following revised layout and initial S104 response. COTB > MW-05 proposed sewer gradient reduced to 1:300 to avoid clash with existing water main. Cellular storage removed where possible. S104 > S202 sewer opened. Basin updated to 1:3 tanks and 1:4 tanks where adjacent existing / proposed United Utilities apparatus.	21/07/21	CB
A	Proposed SW outfall amended to discharge into existing ditch river as opposed to existing marshall following discussions with the LLFA.	24/02/21	CB
-	First Issue	08/02/21	CB

Redrow

BANNERS GATE

CIVIL, STRUCTURAL & ARCHITECTURAL DESIGN SERVICES

1001 Berrington Road, Halesowen, West Midlands B63 3PH
Tel: 0121 481 186 Fax: 0121 481 181
Email: info@bannersgate.com

Scale: AD @ 1:500
Date: August 2020
Year: 2040 / design / current / phase 2

Drawn: CB
Checked: OB
2040-BGC-D-PH2 / 100S104 B