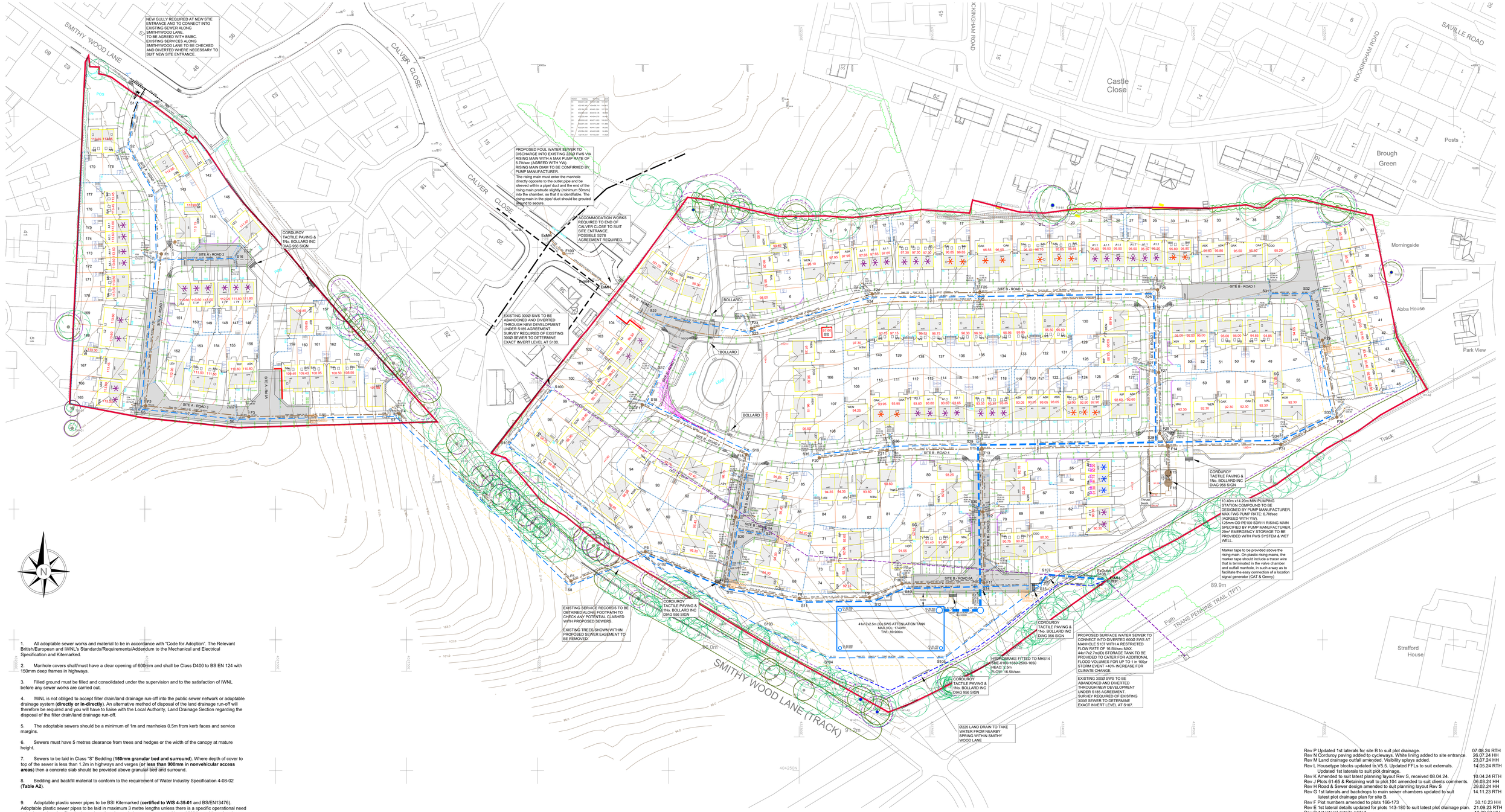

1. All adoptable sewer works and material to be in accordance with "Code for Adoption". The Relevant British/European and IWNL's Standards/Requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.

2. Manhole covers shall/must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.

3. Filled ground must be filled and consolidated under the supervision and to the satisfaction of IWNL before any sewer works are carried out.

4. IWNL is not obliged to accept filter drain/land drainage run-off into the public sewer network or adoptable drainage system (**directly or in-directly**). An alternative method of disposal of the land drainage run-off will therefore be required and you will have to liaise with the Local Authority, Land Drainage Section regarding the disposal of the filter drain/land drainage run-off.

5. The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.

6. Sewers must have 5 metres clearance from trees and hedges or the width of the canopy at mature height.

7. Sewers to be laid in Class "S" Bedding (**150mm granular bed and surround**). Where depth of cover to top of the sewer is less than 1.2m in highways and verges (**or less than 900mm in nonvehicular access areas**) then a concrete slab should be provided above granular bed and surround.

8. Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (**Table A2**).

9. Adoptable plastic sewer pipes to be BSI Kitemarked (**certified to WIS 4-35-01** and BS/EN13476). Adoptable plastic sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer lengths. Plastic channel sections in manholes are not acceptable and IWNL would require clay ware channel in manholes.

10. The minimum crushing strength for clay pipes should be as follows: 100mm dia. 40KN/m, 150mm dia. 40KN/m, 225mm dia. 45KN/m and 300mm dia. 72KN/m. The minimum crushing strength for concrete pipes should be - (Class 120 to EN 1916/BS5911-1 2002). Plastic pipes should conform to WIS 4-35-01 and BS EN13476.

11. Where a B125 cover and frame has been approved, this **must not** be coated in plastic and must have lifting eyes suitably sized to accommodate standard lifting keys. Screw down covers are not acceptable.

12. There must be enough clearance at crossovers to accommodate bedding to both pipes, approx. 300mm : if crossover is near the rocker then the clearance needed may need to be increased.

14. Cover slabs must carry the BSI kitemark and British Standard number or will be rejected by IWNL inspector. Where the clear opening of the kitemarked product is different to that of the cover and frame, a loading bearing slab should be fitted above the cover slab to bring the size down to 600x600mm for the IWNL specified cover size. Please refer to concrete pipe systems association (cpsa), 'technical bulletin' issued autumn 2004 for kitemarked cover slab opening sizes.

15. All highway works and material to conform with Barnsley Highways Design specification.

16. Gully cover and frames shall be D400 ductile iron and comply with European standard BS EN 124. Those sighted in accessways and mews courts must be suitable for use in pedestrian areas.

17. Precast concrete manhole units shall comply with the relevant provisions of BS EN 1917 and BS 5911-3 and shall be manufactured from concrete with a Design Chemical Class DC-4.

18. Precast concrete manhole components shall comply with the relevant provisions of BS EN 1917 and BS 5911-3.

19. Corbel slabs shall comply with the requirements of BS 5911-3:2010+A1:2014 Table 5 and Figure 8.

20. Cover slabs should be installed with a minimum 300mm cover to finished levels to comply with National Specifications.

Rev P Updated 1st laterals for site B to suit plot drainage.	07.08.24 RTH
Rev N Corduroy paving added to cycleways. White lining added to site entrance.	26.07.24 HH
Rev M Land drainage outfall amended. Visibility splays added.	23.07.24 HH
Rev L Housetype blocks updated to V5.5. Updated FFLs to suit externals. Updated 1st laterals to suit plot drainage.	14.05.24 RTH
Rev K Amended to suit latest planning layout Rev S, received 08.04.24.	10.04.24 RTH
Rev J Plots 61-65 & Retaining wall to plot 104 amended to suit clients comments.	06.03.24 HH
Rev H Road & Sewer design amended to suit planning layout Rev S	29.02.24 HH
Rev G 1st laterals and backdrops to main sewer chambers updated to suit latest plot drainage plan for site B.	14.11.23 RTH
Rev F Plot numbers amended to plots 166-173	30.10.23 HH
Rev E 1st lateral details updated for plots 143-180 to suit latest plot drainage plan.	21.09.23 RTH
Rev D 1st lateral details added.	13.09.23 HH
Rev C Sewers updated to 'plastic' to suit clients instruction. Visibility splays added. Standard notes added. Rising main diameter added. F17-F19 amended to suit pumping station design.	11.09.23 HH
Rev B Updated to suit planning layout no. 04 PL 4187 Rev L Additional gullys added to end of roads. FFL to plots 112-114 & 143 amended. F31, PF3, PF12 & PF13 removed. F32-F33 & S35-S36 extended. Tactile paving added.	07.09.23 HH
Rev A Road & Sewer design amended to suit latest planning layout	02.08.23 HH

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Client
AVANT HOMES

Project
SMITHYWOOD LANE & CALVER CLOSE, DODWORTH

Detail
MAIN ROAD & SEWER PLAN

PRELIMINARY ISSUE

Dwn	Chkd	Date	Scale	Dwg No.
HH		OCT-22	1:500@A0	E22/8004/004P