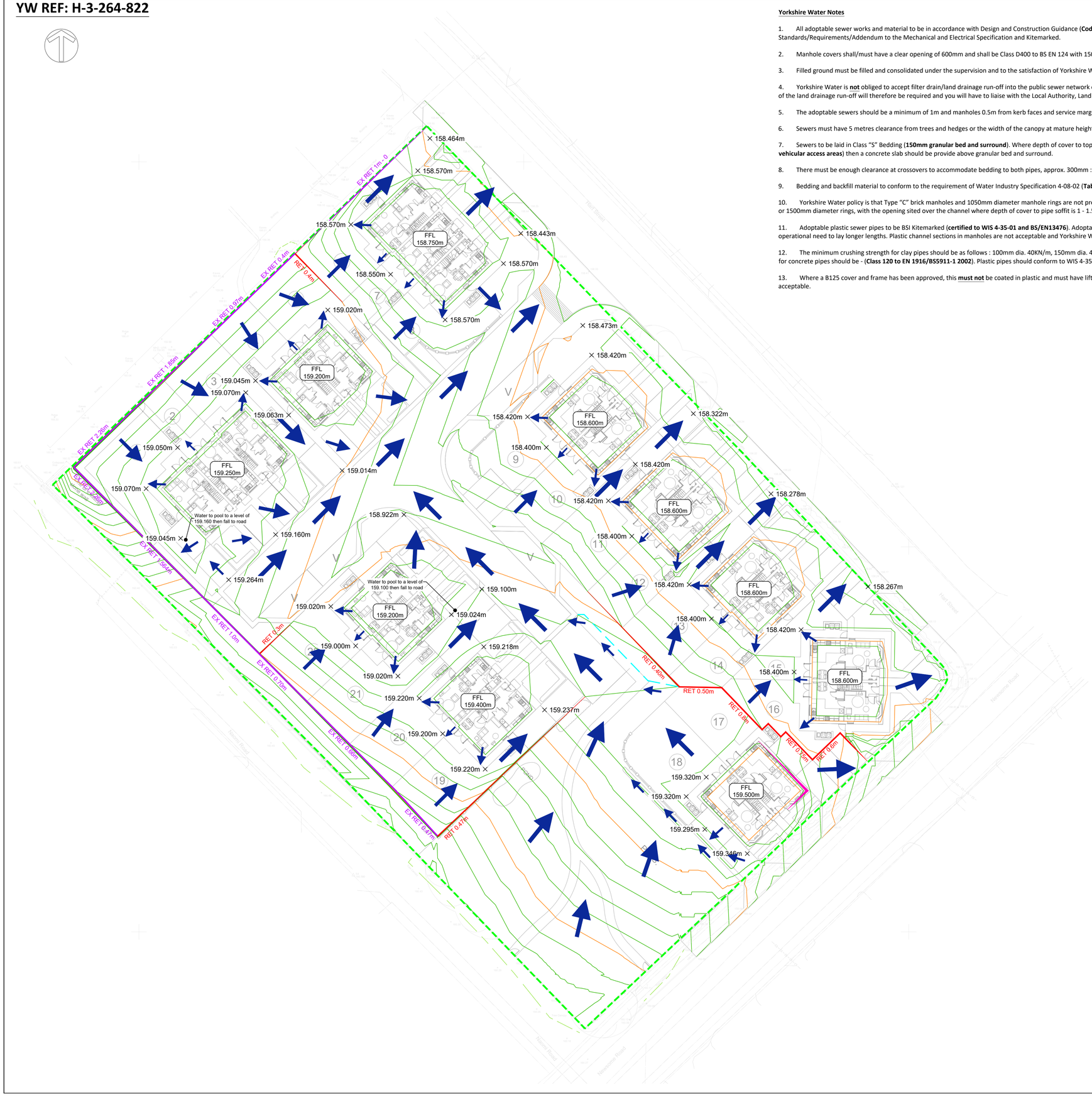
YW REF: H-3-264-822



Yorkshire Water Notes

1. All adoptable sewer works and material to be in accordance with Design and Construction Guidance (**Code for Adoption**). The Relevant British/European and Yorkshire Water'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 Yorkshire Water before any sewer works are carried out.

4. Yorkshire Water 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 with regard to 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 none vehicular access areas**) then a concrete slab should be provide above granular bed and surround.

8. 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 be increased".

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

10. Yorkshire Water policy is that Type "C" brick manholes and 1050mm diameter manhole rings are not preferred. Instead, it is preferred that you use a type "B" manhole with 1200mm diameter or 1500mm diameter rings, with the opening sited over the channel where depth of cover to pipe soffit is 1 - 1.5m.

11. 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 Yorkshire Water would prefer clayware channel in manholes.

12. 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.

13. 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.

Do Not Scale

DESIGN REVIEW

Design review by:	**	Checked by:	**

Residual hazards:

Health, Safety & Environmental Notes

NOTES

Key:

- Site Boundary
- FFL 158.500m — Finished Floor Level
- 158.000 — Major Contour (0.5m)
- Minor Contour (0.1m)
- RET — Proposed Retaining Wall
- EX RET — Existing Retaining wall - Height adjusted to suit development
- Overland Flow Direction
- Proposed kerbline

Date	Description	By	Chk	Rev
28.07.22	Overland flow amended to new site levels	AL	AL	P3
18.05.22	Additional detail added, YW comments addressed	JZG	AL	P2
16.02.22	Initial Issue	JZG	AL	P1

ADEPT
CIVIL AND STRUCTURAL CONSULTING ENGINEERS

Web: www.adeptcsce.com
Email: inbox@adeptcsce.com
Tel: 0113 239 4518 (Leeds)
Tel: 0161 974 3620 (Manchester)

Originating Office
1912 Mills, Sunny Bank Mills,
Farsley, Leeds, LS28 5UJ

Project
Newsome Road, Huddersfield

Title
S104 Overland Flow

Client
Urban Group

Scale @ A1	Initial author	Initial checker	Approver	Initial Date
1:250	JZG	AL	RP	02.22

Status	Purpose	Adept Ref
S2	Preliminary	24.21001

Project Number Originator Volume Level Type Role Org. No.	Rev.
24.21001-ACE-00-XX-DR-C-1220	P3