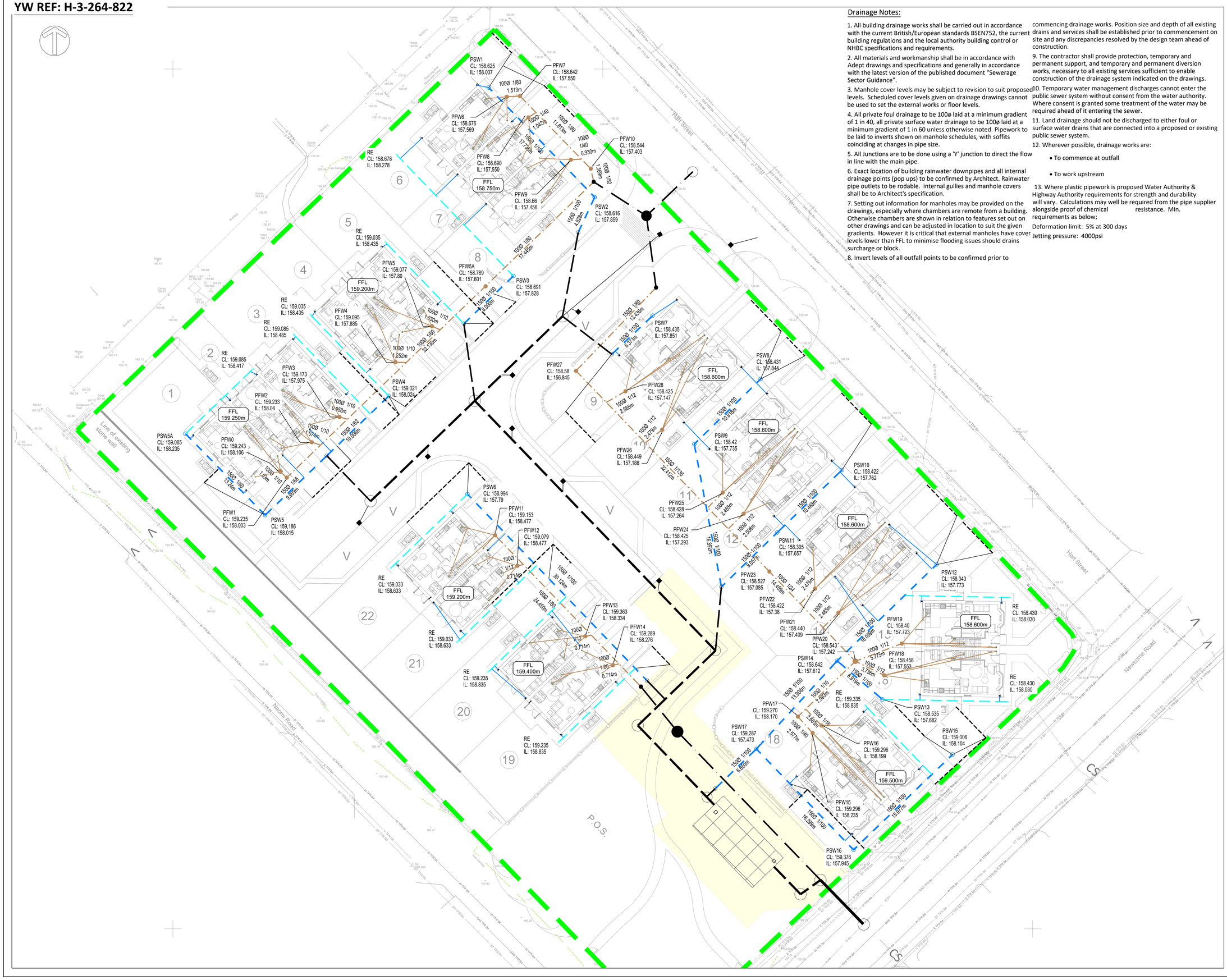
YW REF: H-3-264-822



Drainage Notes:

1. All building drainage works shall be carried out in accordance with the current British/European standards BSEN752, the current building regulations and the local authority building control or NHBC specifications and requirements.
2. All materials and workmanship shall be in accordance with Adept drawings and specifications and generally in accordance with the latest version of the published document "Sewerage Sector Guidance".
3. Manhole cover levels may be subject to revision to suit proposed levels. Scheduled cover levels given on drainage drawings cannot be used to set the external works or floor levels.
4. All private foul drainage to be 100ø laid at a minimum gradient of 1 in 40, all private surface water drainage to be 100ø laid at a minimum gradient of 1 in 60 unless otherwise noted. Pipework to be laid to inverts shown on manhole schedules, with soffits coinciding at changes in pipe size.
5. All Junctions are to be done using a 'Y' junction to direct the flow in line with the main pipe.
6. Exact location of building rainwater downpipes and all internal drainage points (pop ups) to be confirmed by Architect. Rainwater pipe outlets to be rodable. internal gullies and manhole covers shall be to Architect's specification.
7. Setting out information for manholes may be provided on the drawings, especially where chambers are remote from a building. Otherwise chambers are shown in relation to features set out on other drawings and can be adjusted in location to suit the given gradients. However it is critical that external manholes have cover levels lower than FFL to minimise flooding issues should drains surcharge or block.
8. Invert levels of all outfall points to be confirmed prior to commencing drainage works. Position size and depth of all existing drains and services shall be established prior to commencement on site and any discrepancies resolved by the design team ahead of construction.
9. The contractor shall provide protection, temporary and permanent support, and temporary and permanent diversion works, necessary to all existing services sufficient to enable construction of the drainage system indicated on the drawings.
10. Temporary water management discharges cannot enter the public sewer system without consent from the water authority. Where consent is granted some treatment of the water may be required ahead of it entering the sewer.
11. Land drainage should not be discharged to either foul or surface water drains that are connected into a proposed or existing public sewer system.
12. Wherever possible, drainage works are:
    - To commence at outfall
    - To work upstream
13. Where plastic pipework is proposed Water Authority & Highway Authority requirements for strength and durability will vary. Calculations may well be required from the pipe supplier alongside proof of chemical resistance. Min. requirements as below;

Deformation limit: 5% at 300 days

Jetting pressure: 4000psi

Do Not Scale

DESIGN REVIEW

Design review by:	**	Checked by:	**

Residual hazards:

1. Working in live sewers, risk of leptospirosis
2. Working at depth, risk of trench collapse during excavation
3. Potential buried services

Health, Safety & Environmental Notes

NOTES

Architects to confirm internal pop up locations. Architect to advice of all connections, taking into account Y junctions to reduce any requirement for additional Manholes.

Key

- Site Boundary
- Proposed S104 Foul Water Sewer (PCC Manhole – PPIC)
- Proposed S104 Surface Water Sewer (PCC Manhole – PPIC)
- Proposed S104 Combine Water Sewer (PCC Manhole – PPIC)
- Proposed Private Foul (PCC Manhole – PPIC)
- Proposed Private Surface Water (PCC Manhole – PPIC)
- Proposed Private Rodding Eye (RE)
- Proposed Private Linear Drain
- Proposed RWP Connecting Pipes
- Proposed SVP/Foul Drain Connecting Pipes
- Proposed Gully Positions
- Yorkshire Water Easement / Protected Strip
- Proposed Finished Floor Levels (FFL 158.500m)

This plan No 0201 C2 is the same as the Technically Accepted (Plan No 0201 P6), but the reference number has changed to allow issue to site

Date	Description	By	Chk	Rev
24.10.22	Updated to suit councils comments	ASe	AL	C2
05.10.22	Issued for construction	JZG	AL	C1
17.08.22	CLs amended to suit level updates	JZG	AL	P6
20.05.22	Plot drainage updated to suit NHBC guidance	JZG	AL	P5
17.05.22	Design updated to suit connection level confirmed on site	JZG	AL	P4
23.03.22	SVP & RWP connections added	JZG	AL	P3
16.02.22	New foul layout. Levels updated	JZG	AL	P2
11.10.21	Initial Issue	LPW	RNM	P1

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Project
Newsome Road, Huddersfield

Title
Proposed Private Drainage Plan

Client
Urban Group

Scale @ A1	Initial author	Initial checker	Approver	Initial Date
1:200	LPW	RNM	RP	10.21

Status	Purpose	Adept Ref
A	Construction	24.21001

Project Number	Originator	Volume	Level	Type	Role	Drg. No.	Rev.
24.21001-ACE-00-XX-DR-C-0201							C2