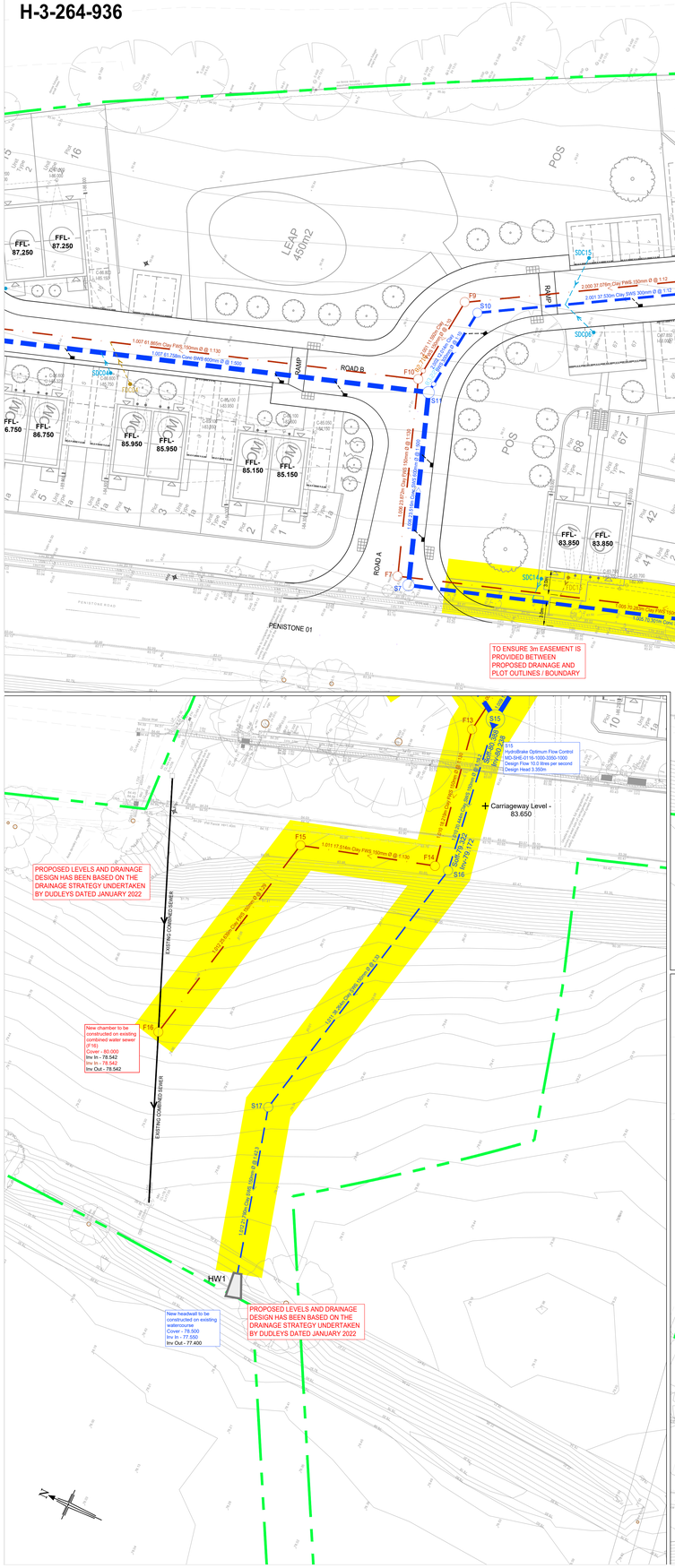
H-3-264-936



KEY:

- Existing Surface Water Sewer and Manhole
- Existing Foul Water Sewer and Manhole
- Existing Combined Sewer and Manhole
- Proposed Surface Water Sewer and Manhole
- Proposed Surface Water Sewer and Manhole and Backdrop
- Proposed Surface Water Flow Control Manhole
- Proposed Surface Water Lateral Drain and Demarcation Chamber (Greater than 3.0m deep)
- Proposed Surface Water Lateral Drain and Demarcation Chamber with Backdrop
- Proposed Private Surface Water Drain and Inspection Chamber (100mm Ø at 1 in 80 unless specified otherwise)
- Rainwater Down Pipe
- Rodding Eye / Yard Gully
- ACO drainage Channel or Similar
- Concrete Dished Channel and gully
- Proposed Foul Water Sewer and Manhole
- Proposed Foul Water Sewer and Manhole and Backdrop
- Proposed Foul Water Lateral Drain and Demarcation Chamber (Greater than 3.0m deep)
- Proposed Foul Water Lateral Drain and Demarcation Chamber with Backdrop
- Proposed Foul Water Rising Main (Air Valve / Wash Out)
- Proposed Private Foul Water Drain and Inspection Chamber (100mm Ø at 1 in 40m at top of run and 1 in 80 minimum elsewhere unless specified otherwise)
- Proposed Private Foul Water Mini Inspection Chamber
- Soil Vent Pipe or Foul Direct Connection
- Proposed Highway Drain and Manhole
- Proposed Highway Drain and Manhole and Backdrop
- Proposed Highway Gully and 150mm Ø Connection
- Proposed Easement

YORKSHIRE WATER NOTES:

1. All adoptable sewer works and material to be in accordance with "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 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. 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.
10. 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 require clay ware channel in manholes.
11. The minimum crushing strength for clay pipes should be as follows:
    100mm dia. 40KN/m, 150mm dia. 40KN/m, 225mm dia. 49KN/m and 300mm dia. 72KN/m. The minimum crushing strength for concrete pipes should be - (Class 120 to EN 1916/BS8911-1 2002). Plastic pipes should conform to WIS 4-35-01 and BS EN13476.
12. 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.
13. There must be enough clearance at crossovers to accommodate bedding to both pipes, approx. 300mm : if crossover is near the nolker then the clearance needed may need to be increased"

OTHER NOTES:

14. The existing sewers and culverts shown on this drawing are taken from various archives, drainage plans and sewer records. Some of this information is contradictory and the locations shown are interpreted using existing features and manhole locations shown on the survey. The exact depth and location should be verified on-site prior to commencing construction.
15. All drainage works that shall be adopted by Yorkshire Water to be subject to their approval prior to commencement on site.
16. All hard standing and impermeable areas outside the adopted highway boundary to be drained and collected in private drainage systems and discharged into the surface water sewer before water encroaches onto the public highway.
17. Gullies should not be located in the area of dropped crossings.
18. Granular bedding for pipes shall consist of aggregates from natural sources complying with the relevant provisions of BS 882 sized in accordance with the table across.
19. All pipes with a diameter larger or equal to 300mm shall be concrete. Pipes with a diameter less than 300mm shall be clay.
20. Vitrified clay pipes and fittings for sewers shall have flexible mechanical joints. Pipes for foul Sewers and surface water Sewers shall comply with relevant requirements of BS EN295 and BS 65 (surface water pipes only).
21. All private work to be in accordance with current building regulations.
22. Drains passing through buildings to be protected with Imtel cover.
23. No building to take place within 3.0m to the edge of an adoptable sewer dependant on the size and diameter of the sewer.
24. No services to be sited over or within 1.0m of an adoptable sewer.
25. Private drainage connections not direct to manholes are to be made via a 45 degree junction and not saddles

Rev:	Date:	Amendment:	DRN	CHK	APR
C	02.08.23	Notes added to 150mm pipe across Penistone Road	IE		
B	27.06.23	Tank position updated at client request dated 26.06.23.	NB		
A	13.02.23	Details updated following YW comments dated 09.02.23.	NB		

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Client: Newett Homes

Status:

Scale: 1:250 | Drawn: NB | Chkd: IE | Appvd:

Size: A0 - 1189 x 841

Project: Residential Development
Penistone Road, Fenay Bridge

Title: Drainage

Drawing No: 22/491/FST/500/001 | Revision: C

Job No: 22-491 | Date: 19.12.22

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