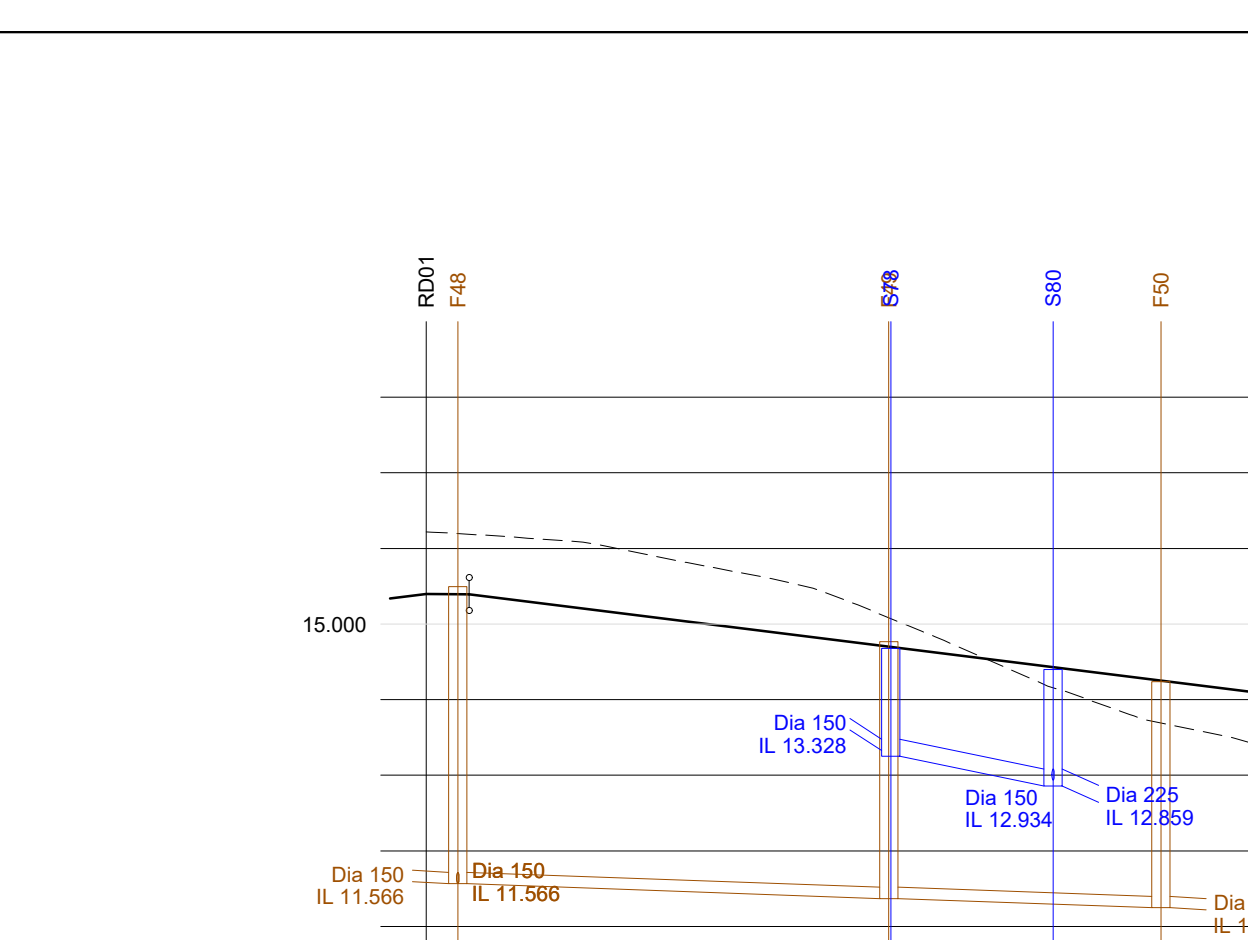




RD08	DATUM 10.000
CHAINAGE	0.000
EXISTING GROUND LEVEL	16.218
ALIGNMENT LEVEL	15.995
VERTICAL ALIGNMENT	G= -2.500% 1: 40.0
HORIZONTAL ALIGNMENT	R= 34.059
STORMWATER COVER LEVEL	14.075
STORMWATER DETAILS	13.263
FOULWATER COVER LEVEL	14.768
FOULWATER DETAILS	11.566

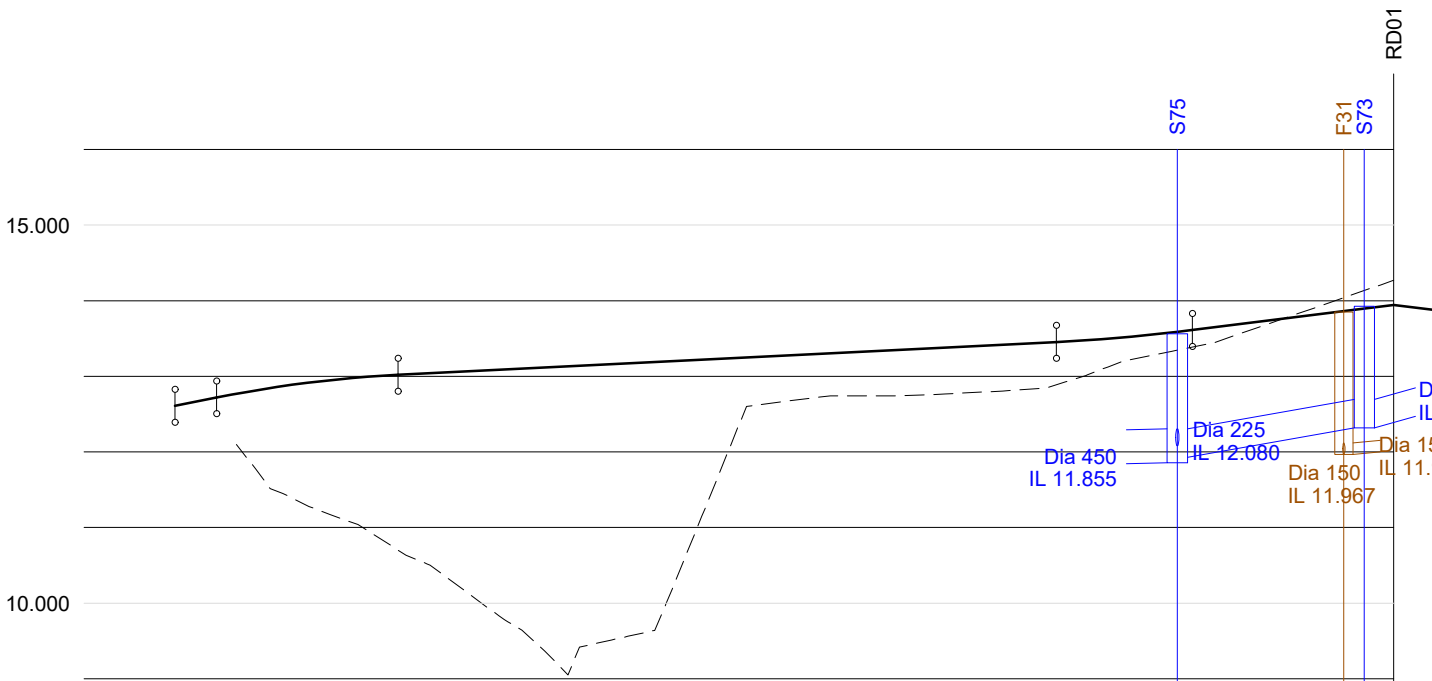
RD08TH	DATUM 10.000
CHAINAGE	0.000
EXISTING GROUND LEVEL	15.177
ALIGNMENT LEVEL	14.688
VERTICAL ALIGNMENT	G= 1.000% 1: 100.0
HORIZONTAL ALIGNMENT	
STORMWATER COVER LEVEL	14.752
STORMWATER DETAILS	Dia 150 CLAY 1 in 150 20.743
FOULWATER COVER LEVEL	14.768
FOULWATER DETAILS	

RD09	DATUM 11.000
CHAINAGE	0.000
EXISTING GROUND LEVEL	16.712
ALIGNMENT LEVEL	17.509
VERTICAL ALIGNMENT	G= -1.000% 1: 100.0
HORIZONTAL ALIGNMENT	R= 177.950
STORMWATER COVER LEVEL	17.526
STORMWATER DETAILS	15.566
FOULWATER COVER LEVEL	17.507
FOULWATER DETAILS	15.189

RD09TH	DATUM 11.000
CHAINAGE	0.000
EXISTING GROUND LEVEL	16.608
ALIGNMENT LEVEL	16.808
VERTICAL ALIGNMENT	KF= 6.0 L= 12.418
HORIZONTAL ALIGNMENT	
STORMWATER COVER LEVEL	16.937
STORMWATER DETAILS	15.587
FOULWATER COVER LEVEL	16.861
FOULWATER DETAILS	

ALL PIPE BEDDING TO BE
CLASS 'S' GRANULAR
SURROUND UNLESS NOTED
OTHERWISE ON THE
DRAWING

- KEY:
- EXISTING GROUND PROFILE
 - PROPOSED CENTRELINE PROFILE
 - PROPOSED FOUL SEWER
 - PROPOSED STORM SEWER



BRD9	DATUM 8.000
CHAINAGE	0.000
EXISTING GROUND LEVEL	12.609
ALIGNMENT LEVEL	12.719
VERTICAL ALIGNMENT	G= 4.000% 1: 25.0
HORIZONTAL ALIGNMENT	R= 17.000
STORMWATER COVER LEVEL	13.561
STORMWATER DETAILS	11.590
FOULWATER COVER LEVEL	13.561
FOULWATER DETAILS	13.561

RD10	DATUM 13.000
CHAINAGE	0.000
EXISTING GROUND LEVEL	16.823
ALIGNMENT LEVEL	16.788
VERTICAL ALIGNMENT	G= 1.673% 1: 59.8
HORIZONTAL ALIGNMENT	R= 62.400
STORMWATER COVER LEVEL	16.871
STORMWATER DETAILS	15.332
FOULWATER COVER LEVEL	16.808
FOULWATER DETAILS	13.951

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1. Do not scale.

2. Refer to all other Project Drawings and supporting notes.

3. All adoptable drainage works to be constructed as detailed in Sewers for Adoption, 7th edition or as stipulated in the Water Authorities Addendum.

4. All public sewers are to be the subject of a Section 104 agreement of the Water Industry Act 1991.

5. Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to engineers.

6. The Contractor is responsible for maintaining continuity of flow for all existing sewers within the site boundary and limit of works for the duration of the project.

7. All manhole ironworks to comply with BS EN124, and be stamped with BSI Kitemark. Covers to suit loading as below;
-Carriageways and Roads - D400
-Driveways and Verges - C250
-Footways and Pedestrian Areas - B125
-Gardens/Landscaping - A15

8. All sewer pipes, up to, and including 225mm are to be vitrified clay to BS EN295. All sewer pipes 300mm diameter and above to concrete pipes to BS EN1516.

9. All drainage shall be installed and tested strictly in accordance with the Manufacturers' printed instructions, BS EN 752, BS EN 1601, Local Water Authority requirements and the Building Regulations.

10. All bedding shall be Class 5 unless noted otherwise.

11. All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted Type 1 granular sub-base material.

12. Drainage laid beneath roads and areas of vehicular access (car parking etc) with less than 1200mm of cover shall be encased in concrete bed and surround with associated movement joints.

13. Chambers with outgoing pipes greater than 600mm diameter shall be fitted with guard bars, safety chains or other approved safety devices.

14. The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report proves such precautions are not necessary.

15. All gully connections to use a minimum diameter pipe of 150mm and to be surrounded by a minimum of 150mm of grade C8/C10 concrete over its full length (which should not exceed 15m) and its connection to the carrier system.

16. All sewers to be abandoned must be surveyed to identify any lateral connections that are still live with any found to be reported to the Engineer.

17. All laterals to be 150mm laid at 1:80 (surface) or 1:60 (foul) unless otherwise stated.

18. All private drains to be 100mm diameter unless otherwise stated.

19. All foul and storm water drains which are not to be adopted as public sewers shall be in accordance with Document H of the Building regulations, together with NHBC Standards Chapter 5.3 and BS5301.

20. Where pipes pass through footings, retaining or screen walls, lintels to be provided over drains.

21. Where inverts are less than 0.6m deep inspection chambers (min dia. 150mm) or access fittings (225 x 100mm) to be used, elsewhere proprietary plastic, brick or pcc is to be used and sized in accordance with Table 11 of Document H of the Building Regulations [$<0.6m$ to invert min DN300, $>0.6m$ to invert min DN475].

22. All gullies connected direct to drains to be roddable.

23. Rainwater downpipes to be easily removable for rodding or to be provided with rodding access at ground level.

24. Unless noted otherwise FW IC's and RE's to be 0.6m below DPC level, SW IC's and RE's to be 0.45m.

25. Adequate precautions in accordance with Approved Document H and manufacturers's recommendations to be taken to protect drains (particularly plastic) at shallow depths.

26. Catchpits to be as IC's but with 300mm sump below outgoing pipe invert level except where detailed elsewhere.

27. Trees and shrubs of a large size or heavy canopy with a moderate or high water demand must not be planted within any sewer easement.

28. Gullies within and adjacent to area of site works to be suction cleaned at commencement and completion of works.

29. 1m deep root barrier of an approved type to be installed vertically along the back edging kerb of all areas of footway/demarcation to protect from both proposed and future plantation.

PERMITTED PIPE MATERIALS

CLAYWARE (FOR SEWERS 150mm & 225mm)

All clayware pipes to be vitrified clay to BS EN 295-1:1991 and of minimum crushing strength of 45kN Class 200 for diameters of 225mm. For 150mm diameter pipes a minimum crushing strength of 28kN shall be used.

CONCRETE (FOR SEWERS 300mm AND ABOVE)

All concrete pipes are to be pipe strength Class 120 to BS 5911-1:2004 unless indicated otherwise on the drawings.

Client

BARRATT DAVID
WILSON HOMES

Project

WATER LANE, ANGMERING

Title

LONG SECTIONS
SHEET 4

Status

FOR TENDER

Scale
1:500 H @ A1
1:100 V

Date
DEC 2020

Drawn
SM

Checked
SL

Drawing No
A290-114

Revision
B

ARUN DISTRICT COUNCIL A18421/00C