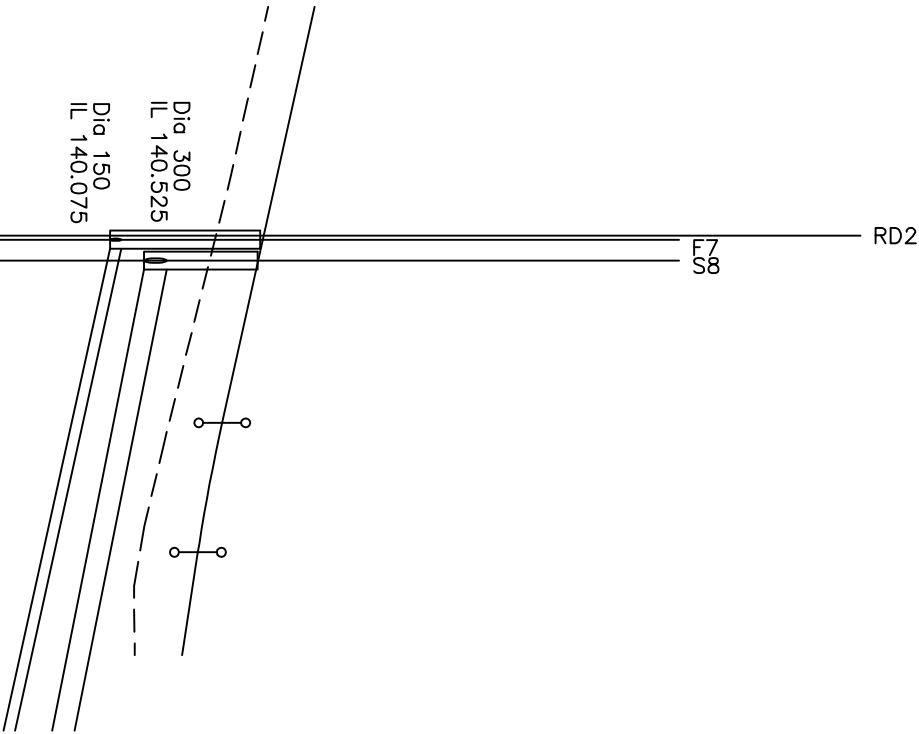
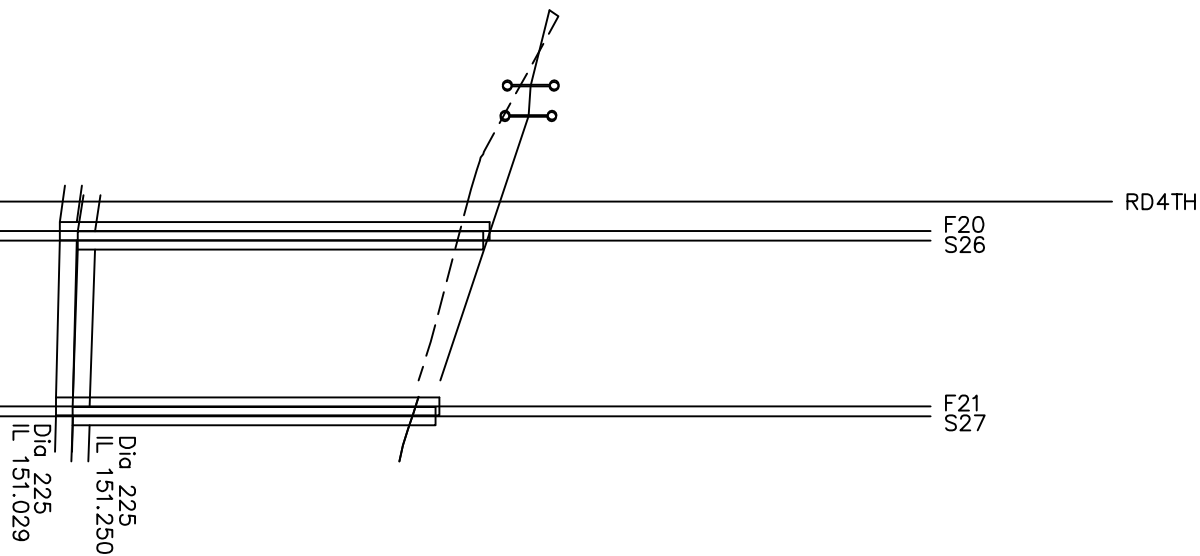




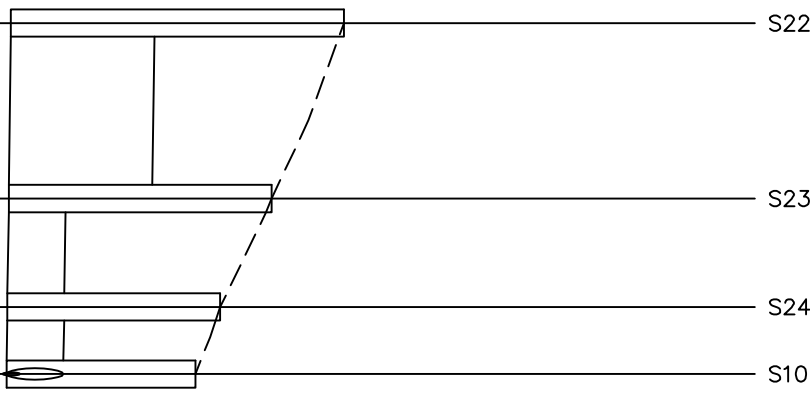
RD3		DATUM 135.000	
CHAMAGE	0.000	10.000	20.000
EXISTING GROUND LEVEL	142.167	141.724	141.231
ALIGNMENT LEVEL	142.780	142.336	141.892
VERTICAL ALIGNMENT	G= -4.40% 1: -22.5 K= 6.26904 L= 8.556 G= -3.075% 1: -32.5		
HORIZONTAL ALIGNMENT			
STORMWATER COVER LEVEL	142.025		
STORMWATER INVERT	140.525		
STORMWATER DETAILS	Dia 300 Circular CONC CLASS 5 B&S		
STORMWATER LENGTHS	34.588		
FOULWATER COVER LEVEL	142.058		
FOULWATER INVERT	140.075		
FOULWATER DETAILS	Dia 150 Circular CLAY CLASS 3 B&S		
FOULWATER LENGTHS	39.597		



RD4		DATUM 150.000	
CHAMAGE	0.000	5.000	10.000
EXISTING GROUND LEVEL	157.558	157.309	157.080
ALIGNMENT LEVEL	157.558	157.309	157.080
VERTICAL ALIGNMENT	G= -5.00% 1: -20.0 K= 9.350 L= 1.000 G= -6.667% 1: -15.0		
HORIZONTAL ALIGNMENT	R= 9.350		
STORMWATER COVER LEVEL	156.681		
STORMWATER INVERT	151.319		
STORMWATER DETAILS	Dia 225 Circular CLAY CLASS 5 B&S		
STORMWATER LENGTHS	11.617		
FOULWATER COVER LEVEL	156.764		
FOULWATER INVERT	151.081		
FOULWATER DETAILS	Dia 225 Circular CLAY CLASS 5 B&S		
FOULWATER LENGTHS	11.598		



RD4TH		DATUM 150.000	
CHAMAGE	0.000	2.750	5.500
EXISTING GROUND LEVEL	156.474	155.820	155.649
ALIGNMENT LEVEL	156.834	156.350	156.002
VERTICAL ALIGNMENT	G= -6.667% 1: -15.0		
HORIZONTAL ALIGNMENT			



ATTENUATION		DATUM 136.000	
GROUND LEVEL	143.162	142.357	141.444
STORMWATER COVER LEVEL	143.162	142.206	141.198
STORMWATER INVERT	138.759	138.730	138.701
STORMWATER DETAILS	1900x1900 Dia 750 Dia 750 CARLOW TANK CONC CLASS 5 B&S		
STORMWATER LENGTHS	11.600	7.170	4.430

- Sewers for Adoption Under a Section 104 Agreement
1. All adoptable sewer works and material to be in accordance with 'Sewers for Adoption' 6th Edition. The relevant British/European and National Standards shall be used in conjunction with the mechanical and electrical specification and dimensioned.
 2. Manhole covers 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 is covered.
 4. Yorkshire Water is not obliged to accept filter drain/land drainage runoff into the public sewer network or adoptable drainage system (directly or indirectly). An alternative method of disposal of land drainage runoff will therefore be required. Please consult with the Local Authority/land drainage department.
 5. Cover slabs must carry the B81 itemmark or will be replaced by Yorkshire Water. Where the clear opening of the tile itemmark 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 600mm x 600mm for the Yorkshire Water specification.
 6. Sulphate resistant cement (SRPC) and precast concrete products must be used or a laboratory report provided proving that such products are not necessary.
 7. Adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb, verges and service margins.
 8. Sewers must have 5 metres clearance from trees and hedges. (Please also refer to Figure 2.3, page 33 in 'Sewers for Adoption' 6th Edition for restrictions on tree planting adjacent to sewers).
 9. Where depth of cover to the top of the sewer is less than 1.2m in highway and verges (or less than 900mm in non-vehicular areas) then a concrete slab should be provided above the greater bed and surround.
 10. The chamber size of manholes with more than one connection may need to be increased an increment to accommodate the connections.
 11. The chamber size of manholes with more than one connection may need to be increased an increment to accommodate the connections.
 12. Yorkshire Water policy is not to accept 'Type C' brick manholes and 1050mm dia manhole rings. Instead it is preferred that you use a 'Type B' manhole with 1200mm dia or 1500mm dia rings with the opening sized 13. Stone backfill is required to all sewer trenches under vehicular areas. As dug material may be used on other areas subject to the written approval of the drainage authority.
 14. All 150mm & 225mm dia pipes to be clay to comply with the relevant standards.
 15. Minimum pipe crushing strength to be 150mm dia, 40kN/m, 225 dia, 45kN/m.
 16. All pipes 300mm dia and above to be concrete pipes to comply with the relevant provisions of BS 5911:1. Slipsign class 120 to EN 1916BS 5911-1:2002.
 17. All manhole covers to be made of cast iron to BS 5911-1:2002.
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REVISION	DATE	BY	REASON
1	18/12/19	AST	ISSUED FOR CONSTRUCTION
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Preliminary

A	Road 4 and 4TH amended	25-220	AST
Rev	Details	Date	Drawn/Chk
Avant Homes			
Lidgett Lane/Pilley Green			
Pilley, Barnsley			
Longitudinal sections			
Sheet 2			
Dwg No.: STE/19/28/09/02 A			
Date: 18-12-19			
Scale: H-1:500, V-1:100			
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