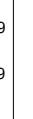
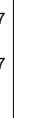
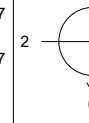
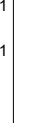
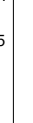
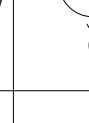
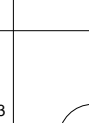
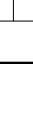
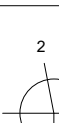
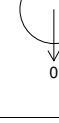
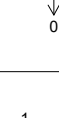
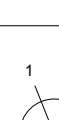
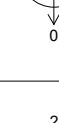


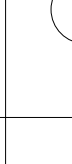
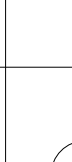
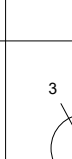
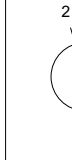
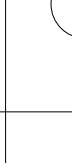
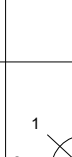
Foul Water North Network
Sheet 1 of 5

Manhole Number		Cover Level	Connections	Pipe			Manhole Size	Types		
Coordinates		Depth To Soffit		Code	Inverts	Diams		Manhole	Cover	
F1		18.099		0	1.000	16.350	150	450	3	See note 6
E. 507576.676										
N. 104507.813										
F2		18.177		0	2.000	16.800	150	450	4	See note 6
E. 507576.237										
N. 104582.481										
F3		18.007		1	1.000	16.200	150	1200	3	See note 6
E. 507577.680		2		2.000	16.200					
N. 104573.316		0		1.001	16.200					
F4		17.761		0	3.000	16.400	150	450	4	See note 6
E. 507560.086										
N. 104586.601										
F5		17.721		0	4.000	15.800	150	450	4	See note 6
E. 507551.370										
N. 104573.740										
F6		17.632		0	5.000	16.750	150	450	4	See note 6
E. 507548.904										
N. 104587.855										
F7		17.541		1	4.000	15.700	150	1200	3	See note 6
E. 507549.922		2		1.001	15.700					
N. 104582.027		3		3.000	15.700					
F8		17.458		0	6.000	15.950	150	450	4	See note 6
E. 507533.744										
N. 104572.234										
F9		17.374		0	7.000	15.850	150	450	4	See note 6
E. 507531.491										
N. 104583.920										
F10		17.247		1	6.000	15.300	150	1200	3	See note 6
E. 507532.444		2		1.002	15.300					
N. 104578.975		3		7.000	15.300					
F11		17.158		0	8.000	14.779	150	600	3	See note 6
E. 507510.587										
N. 104568.923										
F12		16.858		1	8.000	14.706	150	1200	3	See note 6
E. 507509.597		2		1.003	14.706					
N. 104574.570		0		1.004	14.706					
F13		17.629		0	9.000	16.700	150	450	4	See note 6
E. 507512.683										
N. 104547.196										
F14		17.538		0	10.000	16.450	150	450	4	See note 6
E. 507498.919										
N. 104545.021										
F15		17.415		1	10.000	14.819	150	1200	3	See note 6
E. 507505.498		2		9.000	14.819					
N. 104546.061		0		9.001	14.819					
F16		16.925		0	11.000	15.900	150	450	4	See note 6
E. 507494.624										
N. 104572.204										
F17		16.808		1	11.000	13.951	150	1200	3	See note 6
E. 507501.202		2		9.001	13.951					
N. 104573.243		3		1.004	13.950					
F18		16.903		0	12.000	14.750	150	450	4	See note 6
E. 507506.745										
N. 104586.176										

Foul Water North Network
Sheet 2 of 5

Manhole Number		Cover Level	Connections	Pipe			Manhole Size	Types		
Coordinates		Depth To Soffit		Code	Inverts	Diams		Manhole	Cover	
F19		16.375		0	13.000 14.800	150	450	4	See note 6	
E.	507492.749	1.425								
N.	104586.827									
F20		16.276		0	13.000 1.006 13.861	13.862 13.539 150	1200	3	See note 6	
E.	507499.120	2.265								
N.	104586.422									
F21		15.901		0	14.000 14.700	150	450	4	See note 6	
E.	507507.533	1.051								
N.	104601.090									
F22		15.682		0	1.006 14.000 1.007	13.539 13.539 150	1200	3	See note 6	
E.	507499.600	1.993								
N.	104601.310									
F23		15.457		0	15.000 13.350	150	450	4	See note 6	
E.	507506.137	1.957								
N.	104614.360									
F24		15.337		0	16.000 13.050	150	450	3	See note 6	
E.	507491.960	2.137								
N.	104611.065									
F25		15.181		0	16.000 1.007 15.000	12.764 12.764 12.764	150	1200	3	See note 6
E.	507498.183	2.267								
N.	104613.923									
F26		14.584		0	17.000 13.050	150	450	4	See note 6	
E.	507497.350	1.384								
N.	104635.697									
F27		14.260		0	1.008 17.000 1.009	12.603 12.603 12.603	150	1200	2	See note 6
E.	507489.283	1.507								
N.	104636.233									
F28		13.978		0	18.000 12.940	150	450	4	See note 6	
E.	507498.504	0.888								
N.	104640.139									
F29		14.174		0	18.001 12.647	150	1200	3	See note 6	
E.	507540.717	1.377								
N.	104647.552									
F30		14.002		0	18.001 1.009 12.531	12.531 12.531 150	1200	3	See note 6	
E.	507489.999	1.321								
N.	104647.016									
F31		13.850		0	1.010 12.461 1.011	12.461 12.460 150	1200	3	See note 6	
E.	507490.693	1.240								
N.	104657.465									
F32		14.156		0	19.000 13.250	150	450	4	See note 6	
E.	507506.406	0.796								
N.	104659.616									
F33		14.071		0	1.011 19.000 1.012	12.326 12.326 150	1200	3	See note 6	
E.	507508.574	1.595								
N.	104666.564									
F34		14.944		0	20.000 13.450	150	600	4	See note 6	
E.	507528.818	1.344								
N.	104666.515									
F35		14.764		0	1.012 20.000 1.013	12.183 12.183 150	1200	3	See note 6	
E.	507529.463	2.431								
N.	104661.944									
F36		17.337		0	21.000 15.950	150	450	4	See note 6	
E.	507563.068	1.237								
N.	104607.032									

Foul Water North Network
Sheet 3 of 5

Manhole Number		Cover Level	Connections	Pipe			Manhole Size	Types			
Coordinates		Depth To Soffit		Code	Inverts	Diams		Manhole	Cover		
F37		17.370		1	22.000	18.400	150	450	4	See note 6	
E.	507552.966	0.820									
N.	104611.607				0	22.000	18.400				150
F38		17.278		1	22.000	15.500	150	450	4	See note 6	
E.	507552.972	1.628									
N.	104616.584				0	22.001	15.500				150
F39		17.339		0	23.000	16.300	150	450	4	See note 6	
E.	507563.967	0.989									
N.	104611.812				0	23.000	16.300				150
F40		17.110		1	22.001	15.300	150	1200	3	See note 6	
E.	507557.193	1.780			2	21.000	15.200				150
N.	104616.070				3	23.000	15.200				150
F41		17.063		0	24.000	15.500	150	450	4	See note 6	
E.	507570.109	1.413									
N.	104622.997				0	24.000	15.500				150
F42		17.044		0	25.000	15.550	150	600	4	See note 6	
E.	507580.327	1.344									
N.	104628.291				0	25.000	15.550				150
F43		16.783		1	25.000	14.800	150	1200	3	See note 6	
E.	507566.440	1.813			2	21.001	14.800				150
N.	104630.492				3	24.000	14.800				150
F44		16.966		0	26.000	15.400	150	450	4	See note 6	
E.	507580.770	1.416									
N.	104651.446				0	26.000	15.400				150
F45		16.750		1	26.000	14.132	150	450	3	See note 6	
E.	507576.515	2.468			0	26.001	14.132				150
N.	104651.391				1	21.002	13.223				150
F46		16.324		2	26.001	13.223	150	1200	3	See note 6	
E.	507567.240	2.951									
N.	104653.256				0	21.003	13.223				150
F47		15.651		0	27.000	14.550	150	600	4	See note 6	
E.	507546.956	0.951									
N.	104657.550				0	27.000	14.550				150
F48		15.494		1	1.013	12.059	150	1200	1	See note 6	
E.	507547.982	3.285			2	27.000	12.059				150
N.	104653.340				3	21.003	12.059				150
F49		14.788		1	1.014	11.863	150	1200	3	See note 6	
E.	507566.934	2.775									
N.	104691.274				0	1.015	11.863				150
F50		14.239		1	1.015	11.741	150	1200	3	See note 6	
E.	507549.715	2.348									
N.	104708.131				0	1.016	11.741				150
F51		14.399		0	28.000	13.050	150	450	4	See note 6	
E.	507555.635	1.199									
N.	104715.778				0	28.000	13.050				150
F52		13.496		1	1.016	11.660	150	1200	3	See note 6	
E.	507555.004	1.686			2	28.000	11.660				150
N.	104719.032				0	1.017	11.660				150
F53		15.473		1	1.017	11.364	150	1200	1	See note 6	
E.	507597.467	3.959									
N.	104731.947				0	1.018	11.364				150
F54		15.820		0	29.000	14.350	150	600	3	See note 6	
E.	507617.167	1.320									
N.	104724.144				0	29.000	14.350				150

Foul Water North Network
Sheet 4 of 5

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		
			Code	Inverts	Diams		Manhole	Cover	
F55	15.664		1 2	29.000 1.018	11.256 11.256	150 150	1200	1	See note 6
E. 507610.010	4.258								
N. 104721.808			0	1.019	11.256	150			
F56	18.816						450	4	See note 6
E. 507604.753	0.916								
N. 104586.827			0	30.000	17.750	150			
F57	18.795		1	30.000	17.450	150	600	4	See note 6
E. 507607.939	1.195								
N. 104610.651			0	30.001	17.450	150			
F58	18.680		1	30.001	17.330	150	1200	4	See note 6
E. 507611.705	1.200								
N. 104610.147			0	30.002	17.330	150			
F59	18.536						450	4	See note 6
E. 507609.440	1.756								
N. 104630.551			0	31.000	16.630	150			
F60	18.361		1 2	31.000 30.002	16.538 16.526	150 150	1200	4	See note 6
E. 507615.071	1.685								
N. 104635.314			0	30.003	16.526	150			
F61	18.246		1	30.003	16.454	150	1200	4	See note 6
E. 507614.923	1.650								
N. 104641.041			0	30.004	16.446	150			
F62	18.022		1	30.004	16.338	150	1200	4	See note 6
E. 507611.053	1.534								
N. 104648.808			0	30.005	16.338	150			
F63	17.841						450	4	See note 6
E. 507602.432	1.591								
N. 104650.033			0	32.000	16.100	150			
F64	17.776		1 2	32.000 30.005	16.043 16.043	150 150	1200	4	See note 6
E. 507604.732	1.583								
N. 104654.001			0	30.006	16.043	150			
F65	17.738						450	4	See note 6
E. 507617.088	1.038								
N. 104665.758			0	33.000	16.550	150			
F66	17.453		1 2	30.006 33.000	15.839 15.839	150 150	1200	4	See note 6
E. 507612.338	1.464								
N. 104668.396			0	30.007	15.839	150			
F67	16.525						450	4	See note 6
E. 507617.534	0.975								
N. 104703.902			0	34.000	15.400	150			
F68	16.373		1 2	30.007 34.000	15.002 15.002	150 150	1200	3	See note 6
E. 507613.713	2.871								
N. 104704.370			0	30.008	13.352	150			
F69	17.306						450	4	See note 6
E. 507605.958	1.036								
N. 104670.610			0	35.000	16.200	150			
F70	17.086		1	35.000	15.800	150	450	4	See note 6
E. 507606.496	1.136								
N. 104685.658			0	35.001	15.800	150			
F71	16.318		1	35.001	13.850	150	450	3	See note 6
E. 507607.260	2.318								
N. 104707.061			0	35.002	13.850	150			
F72	16.165		1 2 3	0.019 35.002 30.008	11.170 12.820 12.820	150 150 150	1200	1	See note 6
E. 507614.331	4.845								
N. 104709.417			0	1.020	11.170	150			

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GENERAL NOTES:

1. Do not scale.
2. Refer to all other Project Drawings.
3. All sewers to comply with the requirements of the water authorities publication "Sewer Sector Guidance (SSG)" together with Southern Water's Technical Advisories.
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 confirmed on site before construction commences and levels reported to engineers.
6. All manhole inlets 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
7. All sewer pipes, up to, and including 225mm are to be of stiffened clay BS EN594, or equivalent 300mm diameter and above to concrete pipes to BS EN1916.
8. 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.
9. All bedding shall be Class 5 unless noted otherwise.
10. All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted Type 1 granular sub-base material.
11. All drains laid beneath areas 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. Drainage laid beneath paths, footways and pedestrian areas with less than 900mm of cover shall be encased and treated.
12. Chambers with outgoing pipes greater than 600mm diameter shall be fitted with guard bars, safety chains or other approved safety devices.
13. The use of precast concrete products made with sulphate resisting cement is mandatory. Unless a laboratory report proves such precautions are not necessary.
14. All gully connections to use a minimum diameter pipe of 150mm and to be surrounded by a minimum of 150mm of grade 8/10 concrete over its full length (which shall not exceed 15m) and its connection to the carry system.

MANHOLE TYPE:

1. All manholes 1200mm diameter or greater to be:
 - 1.1. Type 1 where depth from cover level to soffit of pipe is between 3m and 6m
 - 1.2. Type 2 where depth from cover level to soffit of pipe is up to 3m
2. All manholes 600mm diameter or less to be:
 - 2.1. Type 3 where depth from cover level to soffit of pipe is up to 3m
 - 2.2. Type 4 where depth from cover level to soffit of pipe is up to 2m, serves less than 3 properties and is situated in private driveways or garden areas.

C	03.21	Information updated following drainage changes	D5	SM
B	01.21	Information updated following drainage changes	D5	SM
A	12.20	First issue	D5	SM

Rev	Date	Description	Drawn	Checked
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Client
BARRATT
DAVID WILSON HOMES

WATER LANE, ANGMERING

Title
DRAINAGE SCHEDULE
SHEET 3

Status

FOR TENDER

Scale	Date DEC 20	Drawn JS	Checked SM
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Case No	CIV-1-4033 C	Revision
A290-533		C