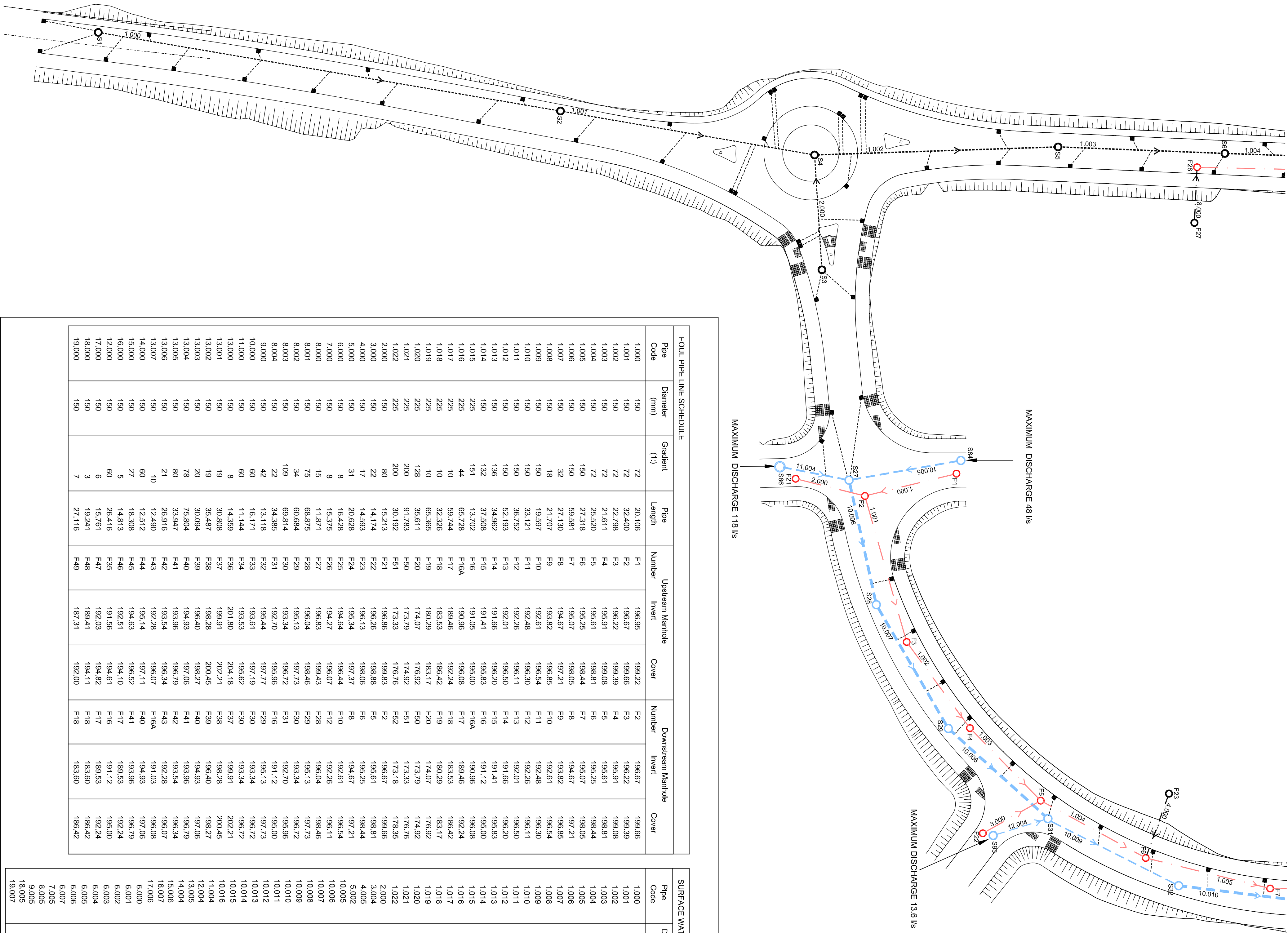
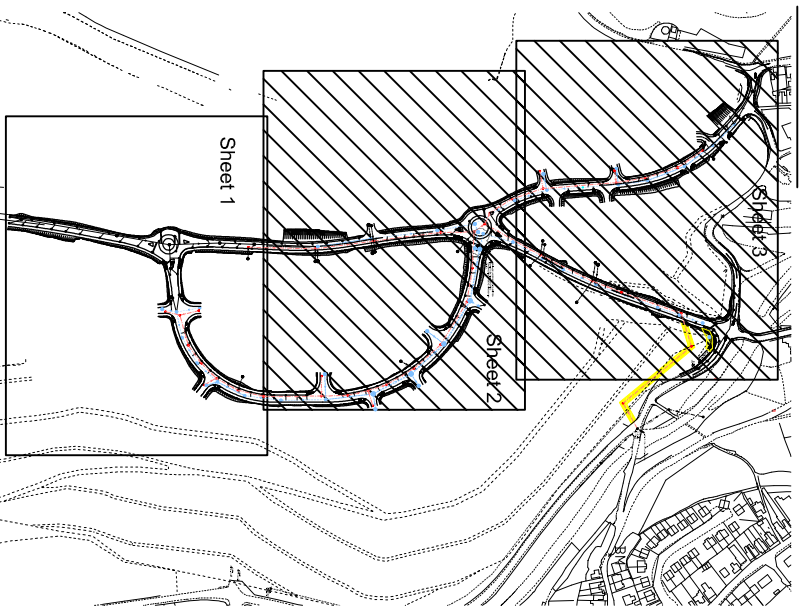
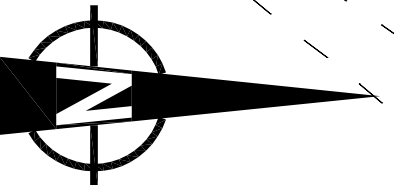




MAXIMUM DISCHARGE 118 l/s

MAXIMUM DISCHARGE 48 l/s

MAXIMUM DISCHARGE 13.8 l/s



PROPOSED ST14 SURFACE WATER DRAIN

PROPOSED ST14 Foul WATER DRAINAGE

PROPOSED GULLY AND CONNECTION

PROPOSED HIGHWAY DRAIN

PRIVATE Foul WATER CONNECTION

PRIVATE STORM WATER CONNECTION

NOTES

1. THE DRAINAGE WORKS TO BE INCURRED IN THE

FOR ADOPTION 6th EDITION AND ALL REQUIREMENTS OF DW

UNDERMINES

2. THE CONTRACTOR IS TO CONVEY THE POSITION, LEVELS & SIZE

APPLICABLE

3. THE FOLLOWING PIPE TYPES & BEDDING HAVE BEEN

ASSUMED IN THE DESIGN

(i) CARRIER DRAIN 150MM DIA VITRIFIED CLAY TO BS EN 286

BEING CONSTRUCTED WITH 200MM DIA VITRIFIED CLAY TO BS EN 286

CONCRETE BED AND SURROUND DEPTH OF COVER LESS THAN 12M OR

AS SPECIFIED ON RELEVANT LONG SECTIONS

(ii) CARRIER DRAIN 375mm DIA AND ABOVE TO COMPRE

CONCRETE CLASS 20/20 IN BENCH AND BEDDING AS

SPECIFIED ON RELEVANT LONG SECTIONS

(iii) GULLY CONNECTIONS TO COMPRE 150MM DIA VITRIFIED

CLAY TO BS EN 286

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FOUL PIPE LINE SCHEDULE									
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	150	72	20.106	F1	196.95	198.22	F2	196.67	199.66
1.001	150	72	32.400	F2	196.67	199.66	F3	196.22	199.39
1.002	150	72	22.788	F3	196.22	199.39	F4	195.61	198.91
1.003	150	72	21.611	F4	195.61	198.91	F5	195.61	198.91
1.004	150	72	25.520	F5	195.61	198.91	F6	195.25	198.44
1.005	150	72	27.318	F6	195.25	198.44	F7	195.07	198.05
1.006	150	72	27.318	F7	195.07	198.05	F8	194.67	197.21
1.007	150	32	21.707	F8	194.67	197.21	F9	193.62	196.85
1.008	150	18	21.707	F9	193.62	196.85	F10	192.61	195.84
1.009	150	150	19.997	F10	192.61	195.84	F11	192.48	195.70
1.010	150	150	33.121	F11	192.48	195.70	F12	192.26	195.48
1.011	150	150	36.752	F12	192.26	195.48	F13	192.01	195.20
1.012	150	150	52.193	F13	192.01	195.20	F14	191.66	194.85
1.013	150	136	34.982	F14	191.66	194.85	F15	191.41	194.60
1.014	150	132	37.508	F15	191.41	194.60	F16	191.12	194.31
1.015	225	151	13.702	F16	191.05	198.00	F16A	190.96	198.08
1.016	225	44	65.728	F16A	190.96	198.08	F17	189.46	192.24
1.017	225	10	59.744	F17	189.46	192.24	F18	188.42	191.12
1.018	225	10	32.326	F18	188.42	191.12	F19	180.29	183.17
1.019	225	10	65.365	F19	180.29	183.17	F20	174.07	176.92
1.020	225	128	35.611	F20	174.07	176.92	F21	173.33	176.76
1.021	225	200	91.783	F21	173.33	176.76	F22	173.18	176.58
1.022	225	200	30.192	F22	173.18	176.58	F23	173.18	176.58
2.000	150	80	15.213	F23	196.86	198.83	F2	196.67	199.66
3.000	150	22	14.174	F22	196.26	198.88	F5	195.61	198.91
4.000	150	17	14.593	F23	196.13	198.06	F8	195.25	198.44
5.000	150	31	20.528	F24	195.34	197.37	F12	192.61	195.84
6.000	150	8	16.428	F25	194.64	196.44	F10	192.61	195.84
7.000	150	8	15.371	F26	194.27	196.07	F12	192.61	195.84
8.000	150	19	11.871	F27	196.83	198.46	F28	196.04	198.46
8.001	150	75	60.875	F28	196.04	198.46	F29	195.13	197.73
8.002	150	34	60.884	F29	195.13	197.73	F30	193.34	196.72
8.003	150	109	69.814	F30	193.34	196.72	F31	192.70	196.06
8.004	150	22	34.365	F31	192.70	196.06	F36	191.12	195.00
9.000	150	42	13.118	F32	195.44	197.77	F29	195.13	197.73
10.000	150	60	16.171	F33	193.61	197.19	F30	193.34	196.72
11.000	150	60	11.144	F34	193.53	196.62	F37	193.34	196.72
13.000	150	8	14.359	F36	201.80	202.18	F38	199.91	202.21
13.001	150	19	30.808	F37	199.91	202.21	F39	198.28	200.45
13.002	150	19	35.487	F38	198.28	200.45	F40	196.40	198.27
13.003	150	20	30.094	F39	196.40	198.27	F41	193.96	196.79
13.004	150	78	75.804	F40	193.96	196.79	F42	193.28	196.04
13.005	150	80	33.947	F41	193.54	196.34	F43	192.58	195.07
13.006	150	21	26.916	F42	193.54	196.34	F43	192.58	195.07
13.007	150	10	12.490	F43	192.58	195.07	F44	191.03	193.06
14.000	150	60	18.308	F44	192.58	195.07	F45	190.63	194.63
15.000	150	27	14.813	F45	192.58	195.07	F46	191.12	195.00
16.000	150	5	26.416	F46	191.56	194.61	F47	189.53	192.24
17.000	150	60	15.791	F47	192.03	194.61	F48	189.53	192.24
18.000	150	6	19.241	F48	188.41	194.11	F49	183.60	186.42
19.000	150	7	27.116	F49	187.31	192.00	F18	183.60	186.42

SURFACE WATER PIPE LINE SCHEDULE									
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover
1.000	225	71	100.001	S1	200.06	201.78	S2	199.64	200.39
1.001	225	60	55.001	S2	197.65	200.39	S4	197.73	199.16
1.002	300	73	51.978	S4	197.65	199.16	S5	196.94	198.91
1.003	300	73	53.979	S5	198.94	198.91	S6	198.45	198.42
1.004	300	72	65.542	S6	198.45	198.42	S8	195.25	197.54
1.005	300	37	65.431	S8	198.35	197.28	S11	194.05	196.78
1.006	525	120	66.961	S11	193.62	196.78	S12	193.25	196.01
1.007	675	104	39.383	S12	193.10	195.87	S24	192.72	195.97
1.008	750	750	9.194	S24	192.64	195.87	S44	192.62	195.83
1.009	750	399	17.164	S44	192.62	195.83	S46	192.58	195.84
1.010	750	110	5.169	S45	192.58	195.84	S46	192.58	195.84
1.011	600	130	16.519	S46	191.78	195.84	S47	191.65	194.66
1.012	600	130	13.830	S47	191.65	194.66	S47A	191.65	194.66
1.013	600	25	34.953	S47A	191.41	194.66	S48	190.01	191.93
1.014	600	11	24.154	S48	191.41	194.66	S49	187.77	188.69
1.015	600	10	37.098	S49	187.77	188.69	S51	184.07	185.99
1.016	600	10	67.916	S51	184.07	188.69	S52	177.21	179.14
1.017	600	10	23.792	S52	177.21	179.14	S53	174.83	177.02
1.018	600	25	25.392	S53	174.83	177.02	S54	172.29	175.39
1.019	600	40	16.009	S54	172.29	175.39	S55	171.65	173.54
1.020	600	40	10.549	S55	171.65	173.50	S56	171.39	173.50
1.021	900	501	26.061	S56	169.73	173.50	S200	169.67	173.06
1.022	925	40	24.978	S200	169.65	173.06	S4	197.73	199.16
1.023	925	87	24.540	S3	198.01	199.72	S8	197.73	199.16
1.024	300	200	15.217	S9	198.62	199.70	S4	198.55	199.54
1.025	300	201	15.059	S64	198.62	199.70	S11	194.05	196.78
1.026	225	171	14.360	S135	194.21	197.30	S11	194.12	196.78
1.027	375	319	24.221	S84	197.39	199.27	S27	197.32	199.74
1.028	600	503	27.188	S27	197.09	199.27	S28	197.04	199.58
1.029	600	501	30.551	S28	197.04	199.58	S29	196.98	199.25
1.030	600	503	28.646	S29	196.98	199.25	S31	196.92	199.25
1.031	600	26	31.346	S31	196.92	198.44	S32	196.89	198.44
1.032	600	503	37.693	S32	196.92	198.44	S33	196.31	197.93
1.033	600	503	46.245	S33	196.31	197.93	S35	195.22	197.27
1.034	300	27	49.501	S35	195.22	197.27	S37	193.57	196.65
1.035	1500	501	44.067	S37	192.17	196.65	S39	192.08	196.58
1.036	1500	499	45.526	S39	192.08	196.58	S41	191.69	196.31
1.037	1500	502	52.235	S41	191.69	196.31	S43	191.69	196.31
1.038	1500	500	54.043	S43	191.89	196.31	S46	191.78	196.64
1.039	1500	200	15.026	S86	191.37	196.83	S27	197.32	199.74
1.040	225	170	12.231	S93	195.75	198.83	S31	195.29	198.84
1.041	225	200	26.264	S98	195.75	198.83	S37	193.57	196.63
1.042	225	200	16.214	S102	193.36	196.19	S39	193.37	196.65
1.043	300	200	14.422	S108	193.36	196.35	S39	193.29	196.18
1.044	300	200	12.887	S115	193.31	196.21	S41	193.19	196.38
1.045	300	200	10.070	S121	193.05	196.07	S43	193.01	196.31
1.046	375	238	38.771	S13	205.67	207.33	S43	203.90	204.62
1.047	375	18	31.534	S16	202.90	204.62	S17	201.14	203.01
1.048	225	18	36.268	S16	201.94	203.01	S17	199.12	200.99
1.049	225	21	40.412	S17	199.12	200.99	S18	196.87	199.60
1.050	225	18	30.619	S18	196.87	199.60	S22	195.39	197.19
1.051	225	86	73.915	S20	195.24	197.19	S22	194.38	196.64
1.052	430	86	34.855	S22	194.30	196.64	S23	194.30	196.35
1.053	450	50	47.724	S23	193.90	196.35	S24	192.94	195.97
1.054	225	5	10.515	S70	204.84	207.86	S15	202.90	204.62
1.055	225	169	16.767	S70	195.49	198.54	S20	195.39	197.19
1.056	220	169	16.991	S80	194.44	198.54	S26	194.35	196.44
1.057	220	169	17.381	S86	194.44	198.54	S26	194.35	196.44
1.058	300	11	20.815	S133	188.23	193.45	S51	184.37	185.99