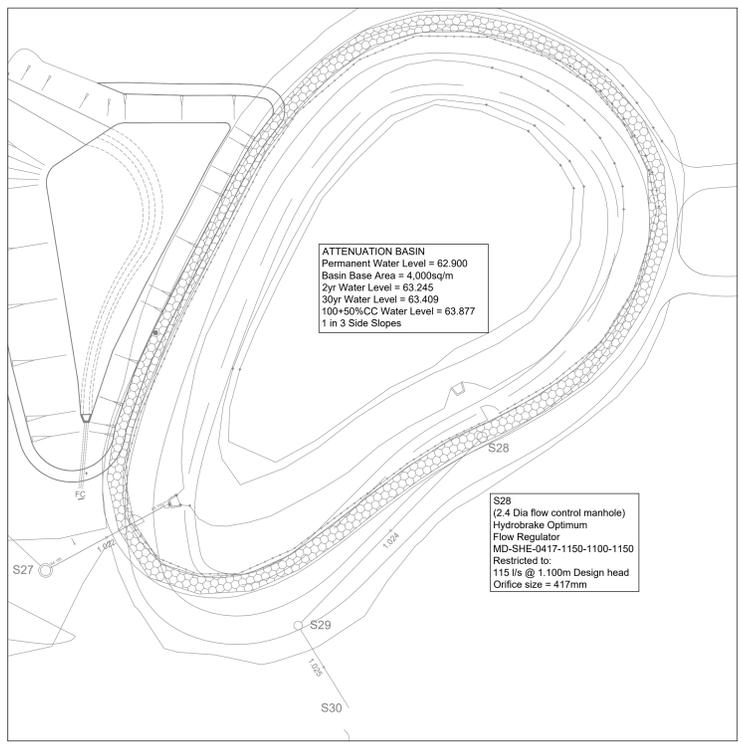


CONTINUED ON SHEET 1

Legend

- Site Boundary
- 450 SPLIT Plot Slab Level Split
- 600 W Brick Retaining Wall
- 450 FOE Flag Retaining Wall
- 150 UB Underbuild
- Batter
- FFL 18.65 Plot Slab Level
- S01 Adoptable Surface Water Sewer
- F01 Adoptable Foul Sewer
- FC Flow Control Manhole
- S Silt Trap Manhole
- Sewer Easement
- Cellular Attenuation Tank



ATTENUATION BASIN
 Permanent Water Level = 62.900
 Basin Base Area = 4,000sq/m
 2yr Water Level = 63.245
 30yr Water Level = 63.409
 100+50yr CC Water Level = 63.877
 1 in 3 Side Slopes

S28
 (2.4 Dia flow control manhole)
 Hydrobrake Optimum
 Flow Regulator
 MD-SHE-0417-1150-1100-1150
 Restricted to:
 115 l/s @ 1.100m Design head
 Orifice size = 417mm

FOUL Network 2											
Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	
1.000	150	42	PVC-U	31.982	F201	94.11	95.45	F202	93.35	94.71	
1.001	150	150	PVC-U	18.720	F202	93.35	94.71	F203	93.23	94.86	
1.002	150	150	PVC-U	21.920	F203	93.23	94.86	F204	93.05	94.23	
1.003	150	22	PVC-U	21.389	F205	92.00	94.23	F206	91.03	93.39	
1.004	150	38	PVC-U	49.841	F206	91.03	93.39	F209	89.74	92.45	
1.005	150	25	PVC-U	19.188	F204	92.45	92.45	F210	89.86	91.43	
1.006	150	15	PVC-U	21.013	F210	89.86	91.43	F214	87.56	89.94	
1.007	150	150	PVC-U	31.714	F214	86.48	89.94	F215	86.27	89.25	
1.008	150	150	PVC-U	16.206	F215	86.27	89.25	F216	86.16	87.51	
2.000	150	150	PVC-U	24.083	F204	93.16	94.51	F205	93.00	94.23	
3.000	150	80	PVC-U	44.951	F601	92.05	93.22	F602	91.52	93.09	
3.001	150	150	PVC-U	36.427	F602	91.50	93.09	F608	91.26	92.67	
3.002	150	150	PVC-U	29.189	F208	91.26	92.67	F209	91.06	92.45	
4.000	150	30	PVC-U	21.751	F603	92.57	94.22	F604	92.14	93.49	
4.001	150	150	PVC-U	48.942	F604	92.14	93.49	F605	91.81	93.20	
4.002	150	150	PVC-U	12.948	F605	91.81	93.20	F606	91.73	93.10	
4.003	150	150	PVC-U	12.130	F606	91.73	93.10	F607	91.85	93.14	
4.004	150	149	PVC-U	8.784	F607	91.85	93.14	F608	91.59	93.07	
4.005	150	150	PVC-U	46.178	F608	91.59	93.07	F609	91.26	93.42	
4.006	150	150	PVC-U	20.293	F609	91.26	93.42	F610	91.14	93.07	
4.007	150	150	PVC-U	25.852	F610	91.14	93.07	F611	90.97	92.99	
4.008	150	150	PVC-U	22.894	F611	90.97	92.99	F612	90.82	92.79	
4.009	150	149	PVC-U	9.407	F612	90.82	92.79	F613	90.76	93.21	
4.010	150	150	PVC-U	48.241	F613	90.76	93.21	F614	90.44	93.01	
4.011	150	150	PVC-U	7.928	F614	90.44	93.01	F616	90.38	93.11	
4.012	150	150	PVC-U	29.332	F616	90.38	93.11	F617	90.18	93.54	
4.013	150	150	PVC-U	34.225	F617	90.18	93.54	F618	89.95	93.40	
4.014	150	150	PVC-U	14.078	F618	89.95	93.40	F619	89.80	93.35	
4.015	150	17	PVC-U	17.760	F619	89.80	93.35	F620	89.78	92.69	
4.016	150	151	PVC-U	6.439	F620	89.78	92.69	F621	87.53	92.40	
4.017	150	150	PVC-U	21.097	F621	87.53	92.40	F622	87.39	91.80	
4.018	150	150	PVC-U	19.438	F622	87.39	91.80	F623	87.26	91.24	
4.019	150	150	PVC-U	37.301	F623	87.26	91.24	F624	87.01	90.28	
4.020	150	150	PVC-U	22.337	F302	87.01	90.28	F212	86.86	89.65	
4.021	150	44	PVC-U	16.888	F212	86.86	89.65	F213	86.46	89.69	
4.022	150	150	PVC-U	18.188	F213	86.46	89.65	F214	86.48	89.48	
5.000	150	80	PVC-U	14.697	F615	90.57	92.87	F616	90.38	93.11	

FOUL Network 1											
Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	
1.000	150	70	CLAY	25.767	F101	93.37	95.42	F102	93.01	95.47	
1.001	150	38	CLAY	15.594	F102	93.01	95.47	F103	92.50	95.25	
1.002	150	20	CLAY	29.374	F103	92.50	95.25	F104	91.13	94.02	
1.003	150	150	CLAY	45.321	F105	90.15	94.02	F106	89.85	92.23	
1.004	150	150	CLAY	29.339	F106	89.85	92.23	F107	89.85	91.81	
1.005	150	12	CLAY	21.822	F107	89.85	91.81	F108	87.83	89.33	
1.006	150	150	CLAY	20.094	F108	87.83	90.88	F109	87.69	89.55	
1.007	150	27	CLAY	18.772	F109	87.69	89.55	F110	85.33	87.00	
1.008	150	12	CLAY	31.122	F110	85.33	87.00	F111	84.47	86.72	
1.009	150	150	CLAY	23.007	F111	84.47	86.72	F112	84.32	86.32	
1.010	150	146	CLAY	10.910	F112	84.32	86.32	F114	84.34	86.21	
1.011	150	20	CLAY	25.460	F114	84.24	86.21	F115	83.00	84.94	
2.000	150	70	CLAY	36.176	F104	90.67	92.02	F105	90.15	94.02	
3.000	150	15	CLAY	13.985	F113	86.12	86.47	F114	84.24	86.21	

STORM Network 1											
Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	
1.000	300	44	PVC-U	28.899	S1	87.50	89.35	S3	86.85	89.00	
1.001	300	80	PVC-U	58.970	S3	86.85	89.00	S4	86.11	88.84	
1.002	300	102	PVC-U	42.972	S4	86.11	88.84	S5	85.89	87.81	
1.003	675	48	CONC	61.448	S5	83.52	87.61	S11	82.23	84.81	
1.004	675	411	CONC	11.925	S11	82.23	84.81	S12	82.20	84.27	
1.005	675	45	CONC	65.517	S12	82.20	84.27	S13	81.17	83.41	
1.006	675	67	CONC	24.119	S13	81.17	83.41	S15	80.81	82.85	
1.007	675	51	CONC	12.640	S15	80.81	82.85	S16	80.56	82.90	
1.008	675	70	CONC	25.986	S16	80.56	82.90	S20	80.18	83.05	
1.009	750	78	CONC	46.235	S20	77.94	83.05	S21	77.35	79.52	
1.010	750	25	CONC	34.284	S21	75.85	79.52	S23	75.44	77.89	
1.011	750	46	CONC	19.832	S23	73.19	77.89	S24	72.78	76.00	
1.012	750	66	CONC	13.183	S24	70.78	76.00	S25	70.56	73.50	
1.013	750	43	CONC	29.678	S25	68.68	73.50	S26	67.87	70.81	
1.014	750	50	CONC	71.017	S26	65.60	70.81	S27	64.18	66.50	
1.015	750	50	CONC	24.246	S27	64.18	66.50	SHWALL 1	63.70	65.50	
1.016	750	414	CONC	58.728	SHWALL 1	63.70	65.50	S28	62.99	64.60	
1.017	450	24	CONC	48.344	S28	62.99	64.60	S29	61.06	62.75	
1.018	450	100	CONC	16.922	S29	59.47	62.75	S30	58.30	60.25	
2.000	225	20	PVC-U	17.567	S627	89.77	91.50	S628	89.89	90.61	
2.001	225	20	PVC-U	16.533	S628	89.89	90.61	S629	89.05	89.78	
2.002	225	16	PVC-U	12.965	S629	89.05	89.78	S2	87.24	89.23	
2.003	225	20	PVC-U	6.543	S2	87.24	89.23	S3	86.92	89.00	
3.000	225	168	PVC-U	27.205	S620	91.94	93.36	S622	91.77	94.04	
3.001	300	59	PVC-U	58.299	S622	91.77	94.04	S623	90.03	93.07	
3.002	450	404	CONC	13.751	S623	89.66	93.07	S624	89.63	93.08	
3.003	450	480	CONC	26.826	S624	89.63	93.08	S201	88.84	92.63	
3.004	450	398	CONC	28.230	S201	88.84	92.63	S202	88.47	92.61	
3.005	450	232	CONC	19.456	S202	88.47	92.41	S203	88.39	91.27	
3.006	450	232	CONC	19.325	S203	88.39	91.27	S204	88.30	89.87	
3.007	450	288	CONC	31.926	S206	86.92	89.87	S207	86.81	88.16	
3.008	675	394	CONC	12.217	S207	83.55	86.16	S5	83.52	87.61	
4.000	225	168	PVC-U	9.342	S27	89.27	92.02	S622	92.84	94.04	
5.000	225	24	PVC-U	15.440	S601	93.80	95.52	S602	93.16	94.88	
5.001	225	24	PVC-U	9.749	S602	93.16	94.88	S603	92.87	94.49	
5.002	225	12	PVC-U	19.875	S603	92.87	94.40	S604	90.81	93.39	
5.003	450	400	CONC	58.806	S604	89.61	93.39	S605	89.47	93.15	
5.004	450	400	CONC	26.153	S605	89.47	93.15	S606	89.38	93.13	
5.005	450	401	CONC	55.301	S606	89.38	93.13	S608	89.25	93.45	
5.006	450	309	CONC	49.898	S606	89.25	93.45	S609	89.15	92.99	
5.007	450	400	CONC	27.211	S609	89.15	92.99	S610	89.09	93.28	
5.008	450	391	CONC	7.432	S610	89.08	93.28	S612	89.04	93.21	
5.009	450	401	CONC	42.954	S612	89.06	93.21	S613	88.96	92.96	
5.010	450	400	CONC	58.806	S613	88.96	92.96	S617	88.92	93.13	
5.011	450	398	CONC	39.417	S617	88.92	93.13	S618	88.82	93.57	
5.012	450	397	CONC	24.916	S618	88.82	93.57	S619	88.76	93.33	
5.013	450	401	CONC	37.720	S619	88.76	93.33	S623	88.66	93.07	
6.000	225	26	PVC-U	48.978	S607	92.67	94.39	S608	90.87	93.45	
7.000	150	150	PVC-U	7.720	S611	93.52	93.52	S612	91.12	93.11	
8.000	225	11	PVC-U	13.400	S614	91.38	92.81	S615	90.16	92.70	
8.001	450	399	CONC	61.849	S615	89.17	92.90	S616	88.96	92.99	
8.002	450	399	CONC	67.650	S616	89.16	92.79	S617	89.13	93.13	
9.000	225	80	PVC-U	9.849	S625	89.97	91.70	S626	89.85	91.95	
9.001	225	80	PVC-U	22.299	S626	89.85	91.95	S201	88.84	92.61	
9.002	450	401	CONC	24.840	S301	87.40	91.31	S302	87.34	90.68	