### **FOUL NETWORK**

PN	Length	Dia	Slope	USCL	USIL	DSCL	DSIL
	(m)	(mm)	(1:X)	(m)	(m)	(m)	(m)
F1.000	31.338	225	60.0	93.862	92.400	93.682	91.878
F1.001	8.304	225	60.0	93.682	91.878	93.668	91.739
F1.002	27.209	225	60.0	93.668	91.739	93.435	91.286
F1.003	43.528	225	60.0	93.435	91.286	92.502	90.560
F1.004	61.963	225	60.0	92.502	90.560	92.614	89.527
F2.000	71.891	150	100.0	91.675	90.246	92.614	89.527
F1.005	50.063	225	200.0	92.614	89.527	92.621	89.277
F1.006	41.311	225	200.0	92.621	89.277	92.275	89.070
F3.000	51.051	150	60.0	93.071	91.477	93.194	90.626
F3.001	8.887	150	60.0	93.194	90.626	93.186	90.478
F3.002	33.973	150	60.0	93.186	90.478	92.970	89.912
F3.003	4.861	150	60.0	92.970	89.912	92.907	89.831
F3.004	38.676	225	100.0	92.907	89.831	92.451	89.444
F3.005	37.395	225	100.0	92.451	89.444	92.275	89.070
F1.007	52.870	225	200.0	92.275	89.070	91.844	88.806
F4.000	49.536	150	60.0	91.763	90.133	91.793	89.307
F4.001	8.040	150	60.0	91.793	89.307	91.772	89.173
F4.002	22.112	150	60.0	91.772	89.173	91.844	88.805
F1.008	24.842	225	200.0	91.844	88.805	91.916	88.681
F1.009	21.083	225	200.0	91.916	88.681	91.965	88.575
F1.010	25.987	225	200.0	91.965	88.575	92.048	88.445
F5.000	32.736	150	30.0	91.996	90.181	91.969	89.090
F5.001	19.362	150	30.0	91.969	89.090	92.048	88.444
F1.011	8.523	225	200.0	92.048	88.444	92.220	88.401
F6.000	33.357	225	60.0	92.740	91.026	92.347	90.470
F6.001	27.677	225	60.0	92.347	90.470	92.071	90.009
F6.002	15.610	225	60.0	92.071	90.009	91.934	89.749
F6.003	15.610	225	60.0	91.934	89.749	91.746	89.488
F6.004	48.495	225	60.0	91.746	89.488	91.998	88.680
F6.005	16.740	225	60.0	91.998	88.680	92.220	88.401
F1.012	26.761	225	200.0	92.220	88.401	92.523	88.267
F7.000	20.056	225	60.0	92.288	90.700	92.523	90.366
F1.013	64.390 36.729	225 150	200.0	92.523	88.267 90.383	92.515	87.945
F8.001	20.231	150	50.0	92.363	89.465	92.609	89.060
F9.000	13.982	150	60.0	92.541	91.000	92.609	90.767
F8.002	43.793	225	50.0	92.609	89.060	92.504	88.185
F8.003	11.980	225	50.0	92.504	88.185	92.515	87.945
F1.014	28.806	225	200.0	92.515	87.945	92.033	87.801
F10.000	20.897	150	60.0	91.100	90.152	90.866	89.804
F10.001	32.150	150	60.0	90.866	89.804	91.008	89.268
F10.002	11.021	150	60.0	91.008	89.268	91.063	89.084
F10.003	16.169	150	60.0	91.063	89.084	91.048	88.815
F10.004	41.245	150	150.0	91.048	88.815	91.304	88.540
F10.005	40.446	225	200.0	91.304	88.540	92.494	88.338
F11.000	24.993	150	60.0	91.923	90.409	92.492	89.992
F11.001	7.042	150	60.0	92.492	89.992	92.625	89.875
F11.002	28.413	150	59.9	92.625	89.875		89.401
F12.000	19.551	225	30.0	92.627	91.100	92.803	90.448
F11.003	63.796	225	60.0	92.803	89.401	92.494	88.337
		<u> </u>	<u> </u>	<u>I</u>			

PN	Length	Dia	Slope	USCL	USIL	DSCL	DSIL
	(m)	(mm)	(1:X)	(m)	(m)	(m)	(m)
F10.006	30.369	225	200.0	92.494	88.337	92.348	88.186
F10.007	27.105	225	200.0	92.348	88.186	92.080	88.050
F10.008	33.620	225	200.0	92.080	88.050	91.744	87.882
F13.000	49.462	150	60.0	90.905	89.525	91.116	88.701
F14.000	41.416	150	40.0	91.341	89.788	91.134	88.753
F14.001	2.049	150	39.4	91.134	88.753	91.116	88.701
F13.001	49.230	225	100.0	91.116	88.701	91.111	88.208
F13.002	32.722	225	100.0	91.111	88.208	91.744	87.881
F10.009	5.198	225	200.0	91.744	87.881	91.869	87.855
F10.010	11.139	225	200.0	91.869	87.855	92.033	87.799
F1.015	20.070	225	200.0	92.033	87.799	91.547	87.699
F1.016	54.052	225	200.0	91.547	87.699	91.630	87.429
F15.000	52.362	150	60.0	91.349	89.900	91.630	89.027
F1.017	16.744	225	200.0	91.630	87.429	91.749	87.345
F1.018	13.730	225	200.0	91.749	87.345	91.822	87.276
F1.019	33.290	225	200.0	91.822	87.276	91.981	87.110
F1.020	14.838	225	200.0	91.981	87.110	92.257	87.036
F16.000	28.425	150	30.0	92.638	91.100	92.453	90.153
F16.001	33.299	150	30.0	92.453	90.153	92.257	89.043
F1.021	61.546	225	200.0	92.257	87.036	92.073	86.728
F1.022	46.443	225	199.1	92.073	86.728	91.855	86.495
F17.000	23.605	150	30.0	91.210	89.512	91.556	88.725
F17.001	12.612	150	39.9	91.556	88.725	91.636	88.409
F18.000	44.672	150	30.0	91.484	89.898	91.636	88.409
F17.002	26.713	150	40.0	91.636	88.409	91.789	87.741
F17.003	49.819	150	40.0	91.789	87.741	91.855	86.496
F1.023	43.679	225	200.0	91.855	86.495	91.581	86.276
F19.000	48.219	150	60.0	90.298	88.800	90.729	87.996
F19.001	42.308	150	60.0	90.729	87.996	89.920	87.291
F19.002	32.891	150	100.0	89.920	87.291	90.465	86.962
F20.000	32.888	150	40.0	90.416	88.880	90.524	88.058
F20.001	43.835	150	40.0	90.524	88.058	90.465	86.962
F19.003	56.726	225	100.0	90.465	86.962	91.323	86.395
F19.004	11.733	225	100.0	91.323	86.395	91.581	86.277
F1.024	70.000	225	200.0	91.581	86.276	90.916	85.926
F1.025	71.923	225	200.0	90.916	85.926	90.120	85.567
F1.026	24.942	225	200.0	90.120	85.567	89.500	85.442
F1.027	29.503	225	200.0	89.500	85.442	89.000	85.295
F1.028	71.115	225	200.0	89.000	85.295	88.230	84.939
F1.029	44.168	225	200.0	88.230	84.939	87.900	84.718
F1.030	44.168	225	200.0	87.900	84.718	0.000	84.497

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Rev No	Date	Revision Note	Drn by	Chkd by	Rev No.	Date	Revision Note	Drn by	Chkd by
P01	29/04/22	SUITABLE FOR INFORMATION	ZB	MK					
P02	17/05/22	SUITABLE FOR INFORMATION	ZB	MK					
P03	19/05/22	SUITABLE FOR INFORMATION	ZB	MK					

# SURFACE NETWORK 1

PN Length Dia Slope USCL USIL

(m) (mm) (1:X) (m)

S1.016 7.696 600 270.0 91.714 87.753 91.674 87.724 \$15.000 26.162 225 100.0 92.596 91.096 92.509 90.834 S15.001 31.745 | 225 100.1 92.509 90.834 92.317 90.517 \$15.002 | 15.504 | 225 | 100.0 | 92.317 | 90.517 | 91.999 | 90.362 
 \$16.000
 14.946
 225
 100.0
 91.996
 90.781
 92.174
 90.632
\$16.001 | 27.012 | 225 | 100.0 | 92.174 | 90.632 | 91.999 | 90.362 \$15.003 | 29.926 | 225 | 100.0 | 91.999 | 90.362 | 91.816 | 90.063 \$17.000 | 31.894 | 225 | 200.6 | 91.754 | 90.260 | 91.789 | 90.101 S17.001 | 7.589 | 225 | 200.0 | 91.789 | 90.101 | 91.816 | 90.063 S15.004 18.664 225 8.0 91.816 90.062 91.674 87.724 S1.017 22.506 600 271.2 91.674 87.724 91.603 87.641 \$1.018 | 35.739 | 600 | 270.0 | 91.603 | 87.641 | 91.774 | 87.509 S18.000 | 43.030 | 225 | 200.0 | 90.979 | 89.479 | 91.618 | 89.264 S19.000 30.618 | 225 | 50.0 91.474 89.876 91.618 89.264 S18.001 | 6.941 | 225 | 196.9 | 91.618 | 89.264 | 91.642 | 89.228 S20.000 | 53.873 | 225 | 70.0 | 91.546 | 89.998 | 91.642 | 89.228 S18.002 | 17.919 | 300 | 200.0 | 91.642 | 89.228 | 91.743 | 89.139 \$18.003 | 11.428 | 300 | 200.0 | 91.743 | 89.139 | 91.774 | 89.082 S1.019 22.976 600 270.0 91.774 87.509 91.768 87.424 S1.020 30.329 600 270.0 91.768 87.424 91.812 87.311 S1.021 21.052 600 270.0 91.812 87.311 91.588 87.233 S1.022 26.305 600 270.0 91.588 87.233 91.492 87.136 S21.000 | 74.187 | 225 | 200.0 | 90.414 | 88.814 | 89.951 | 88.443 S21.001 | 29.820 | 225 | 200.0 | 89.951 | 88.443 | 90.474 | 88.294 \$22.000 | 32.817 | 225 | 150.0 | 90.366 | 88.815 | 90.507 | 88.596 S22.001 45.384 225 150.0 90.507 88.596 90.474 88.293 \$21.002 | 58.082 | 300 | 200.0 | 90.474 | 88.293 | 91.376 | 88.003 S21.003 | 5.572 | 300 200.0 91.376 88.003 91.492 87.975 \$1.023 | 34.358 | 675 | 270.0 | 91.492 | 87.136 | 91.208 | 87.009 S1.024 | 3.230 | 675 | 270.0 | 91.208 | 87.009 | 91.175 | 86.997 S1.025 | 3.000 | 675 | 270.0 | 91.175 | 86.997 | 91.142 | 86.985 S1.026 | 54.593 | 675 | 270.0 | 91.142 | 86.985 | 90.595 | 86.783 S1.027 | 8.051 | 300 | 268.4 | 90.595 | 86.783 | 90.571 | 86.753 \$1.028 42.277 | 300 270.0 90.571 86.753 90.120 86.597 S1.029 26.360 300 269.0 90.120 86.597 89.700 86.499 \$1.030 32.256 300 271.1 89.700 86.499 89.000 86.380 \$1.031 | 67.451 | 300 | 269.8 | 89.000 | 86.380 | 88.100 | 86.130 S1.032 18.182 300 271.4 88.100 86.130 88.000 86.063 S1.033 77.715 300 269.8 88.000 86.063 87.300 85.775

DSCL

(m)

PN	Length	Dia	Slope	USCL	USIL	DSCL	DSIL
	(m)	(mm)	(1:X)	(m)	(m)	(m)	(m)
G1 000		005					
S1.000	21.900	225				90.878	89.291
S1.001	30.247	225	200.0	90.878		91.014	89.139
S1.002	5.856	225	200.0	91.014		91.061	89.110
S1.003	20.071	225	200.0	91.061	89.110	91.068	89.010
S1.004	44.765	300	200.0	91.068	89.010	91.371	88.786
S2.000	16.450	225	50.0	91.679	89.979	91.439	89.650
S2.001	9.571	225	50.0	91.439	89.650	91.371	89.459
S1.005	41.089	300	199.7	91.371	88.786	92.514	88.580
S3.000	58.675	225	170.0	91.166		92.535	89.179
S3.001	7.384	225	170.0	92.535	89.179	92.621	89.135
S3.002	29.503	225	170.0	92.621	89.135	92.810	88.962
S3.003	26.688	225	170.0		88.962	92.702	88.805
S3.004	38.182	300	170.0	92.702	88.805	92.514	88.580
S1.006	23.407	375	268.0	92.514		92.382	88.493
S4.000	63.322	225	200.0	90.941	89.557	91.136	89.240
S5.000	19.305	225	70.0	91.251	89.607	91.148	89.331
S5.001	6.323	225	70.3	91.148	89.331	91.136	89.241
S4.001	84.889	300	200.0	91.136	89.240	91.812	88.816
S4.002	34.499	300	200.0	91.812	88.816	92.109	88.643
S4.003	30.068	300	200.0	92.109	88.643	92.382	88.493
S1.007	10.200	525	270.0	92.382	88.493	92.373	88.455
S1.008	13.106	525	270.0	92.373	88.455	92.400	88.406
S6.000	12.610	225	200.0	91.937	90.212	91.782	90.149
s7.000	34.432	225	200.0	91.798	90.358	91.644	90.186
S7.001	7.484	225	202.3	91.644	90.186	91.782	90.149
S6.001	55.724	225	200.0	91.782	90.149	92.045	89.870
S8.000	22.619	225	40.0	92.206	90.619	92.013	90.054
S8.001	7.356	225	40.0	92.013	90.054	92.045	89.870
S6.002	35.969	300	200.0	92.045	89.870	92.353	89.690
S9.000	4.916	225	100.0	92.272	90.772	92.312	90.723
S9.001	3.981	225	100.0	92.312		92.353	90.683
S6.003	51.684	450	200.3	92.353	89.690	92.400	89.432
S1.009	26.989	525		92.400		92.321	88.306
S1.010	44.952	525	270.0		88.306	92.315	88.140
S10.000	44.811	225	70.0			92.406	89.683
S10.001	77.268	225	70.0	92.406		92.506	88.579
S10.002	14.803	225	70.0	92.506		92.553	88.368
S11.000	60.000	225	60.0	92.592		92.553	90.092
S10.003	15.876	300	69.5	92.553		92.315	88.140
S1.011	13.168	600				91.952	88.091
S1.012	19.897	600	270.0			91.535	88.017
S1.012	30.241	600		91.535		91.547	87.905
S1.013	25.525	600		91.535		91.661	87.811
S12.000	45.537	225	60.0	91.347		91.571	88.815
S12.000	31.524	225	60.0	91.542	88.815	91.371	88.290
S12.001	26.655	225	60.0	91.371		91.213	89.425
\$13.000	28.705	225	60.0	91.369		91.661	87.812
S1.015	15.423	600	270.0	91.213	87.811	91.714	87.753
	10.423	000	2/0.0			J1.14	
S14.000	19.268	225	100.0	91.798	90.298	91.635	90.105

	SURFACE NETWORK 2										
PN	Length	Dia	Slope	USCL	USIL	DSCL	DSIL				
	(m)	(mm)	(1:X)	(m)	(m)	(m)	(m)				
S1.000	31.280	225	150.0	93.860	92.300	93.713	92.091				
S1.001	9.125	225	200.0	93.713	92.091	93.652	92.046				
S1.002	30.288	225	200.0	93.652	92.046	93.401	91.894				
S1.003	47.272	300	79.1	93.401	91.894	92.508	91.297				
S1.004	57.115	300	79.1	92.508	91.297	92.633	90.575				
S2.000	19.570	300	300.0	92.556	91.400	92.455	91.335				
S2.001	24.845	300	300.0	92.455	91.335	92.807	91.252				
S2.002	36.464	300	298.9	92.807	91.252	92.995	91.130				
S3.000	55.298	225	100.0	93.116	92.142	93.215	91.589				
S3.001	10.000	225	100.0	93.215	91.589	93.151	91.489				
S3.002	30.986	225	100.0	93.151	91.489	92.995	91.179				
S3.003	4.861	225	99.2	92.995	91.179	92.995	91.130				
S2.003	76.533	375	300.0	92.995	91.130	92.284	90.875				
S2.004	39.550	375	300.0	92.284	90.875	92.600	90.743				
S2.005	50.347	450	299.1	92.600	90.743	92.633	90.575				
S1.005	80.864	525	300.0	92.633	90.575	91.626	90.305				
S4.000	21.095	300	300.0	91.984	90.856	91.932	90.786				
S4.001	21.033	300	300.0	91.932	90.786	91.877	90.716				
S5.000	21.801	225	300.0	92.083	90.834	91.894	90.761				
S5.001	13.733	225	300.0	91.894	90.761	91.877	90.715				
S4.002	24.966	300	300.0	91.877	90.715	91.757	90.632				
S4.003	7.262	300	300.0	91.757	90.632	91.804	90.608				
S4.004	80.025	300	300.0	91.804	90.608	91.641	90.341				
S4.005	10.523	300	300.0	91.641	90.341	91.626	90.306				
S1.006	9.197	525	300.0	91.626	90.305	91.740	90.275				
S1.007	55.240	525	300.0	91.740	90.275	91.600	90.090				
S1.008	16.386	225	297.9	91.600	90.090	91.300	90.035				

## **SURFACE NETWORK 3**

PN	Length	Dia	Slope	USCL	USIL	DSCL	DSIL
	(m)	(mm)	(1:X)	(m)	(m)	(m)	(m)
S1.000	30.609	1200.000	190.000	94.051	91.500	93.855	91.339
S1.001	29.878	1200.000	190.000	93.855	91.339	93.689	91.182
S1.002	37.698	1200.000	190.000	93.689	91.182	93.480	90.983
S1.003	51.641	1200.000	190.000	93.480	90.983	93.202	90.711
S1.004	53.689	1200.000	190.000	93.202	90.711	93.360	90.429
S1.005	65.274	1200.000	190.000	93.360	90.429	92.995	90.085
S1.006	54.374	1200.000	190.000	92.995	90.085	92.507	89.799
S1.007	30.036	1200.000	190.000	92.507	89.799	92.238	89.641
S1.008	23.440	1200.000	190.000	92.238	89.641	92.041	89.518
S1.009	73.019	1200.000	190.000	92.041	89.518	92.357	89.133
S1.010	73.019	1200.000	190.000	92.357	89.133	92.736	88.749
S1.011	87.764	1200.000	190.000	92.736	88.749	92.297	88.287
S1.012	74.465	1200.000	190.000	92.297	88.287	91.917	87.895
S1.013	42.999	1200.000	190.000	91.917	87.895	91.697	87.669
S1.014	74.853	1200.000	190.000	91.697	87.669	90.300	87.275
S1.015	21.934	1200.000	190.000	90.300	87.275	90.200	87.160
S1.016	75.741	1200.000	190.000	90.200	87.160	89.000	86.761
S1.017	69.567	1200.000	190.000	89.000	86.761	88.200	86.395
S1.018	34.687	1200.000	190.000	88.200	86.395	88.000	86.212
S1.019	28.336	1200.000	190.000	88.000	86.212	87.600	86.063
S1.020	24.581	1200.000	190.000	87.600	86.063	87.600	85.934
S1.021	10.869	300.000	190.000	87.600	85.934	87.300	85.877
S1.022	3.230	300.000	21.400	87.300	85.877	87.300	85.726
S1.023	10.869	300.000	200.000	87.300	85.726	87.300	85.672
S1.024	14.306	300.000	200.000	87.300	85.672	87.000	85.600

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Project: RATOATH SOUTH SHD DRAINAGE PIPES SCHEDULE

Client: BEO PROPERTIES LIMITED

Code |Originator| Zone | Level | Type | Role | Number | Status | Revision L308 - OCSC - XX - XX - DR - C - 0505 S4 P03 Date: APR'22 Scale: 1:500 @ A1 Drn by:ZB Chkd by:MK Aprvd by:AH