



SURFACE WATER LEGEND:

- PROPOSED SURFACE WATER DRAINAGE (SID AREA)
- PROPOSED SURFACE WATER DRAINAGE (PERFORATED PIPE) (SID AREA)
- PROPOSED SURFACE WATER DRAINAGE (FIREWATER RUNOFF)
- PROPOSED SURFACE WATER DRAINAGE (PERFORATED PIPE)
- SMH
- SAJ/SIC
- RG
- PROPOSED FILTER DRAIN
- PROPOSED SWALES
- PROPOSED RETENTION POND
- PROPOSED BLUE ROOF
- PR TREE PIT/BORRETION AREA WITH PERFORATED UNDERDRAIN
- PROPOSED PERMEABLE PAVING CAR PARKING BAYS
- PROPOSED SWALE BARRIERS
- DROPPED KERBS LOCATIONS

- NOTE 1: MANHOLE COVER LEVELS ARE APPROXIMATE. ACTUAL COVER LEVELS SHOULD MATCH SURROUNDING FINISHED GROUND LEVELS U.N.O.
- NOTE 2: PIPES WITH LESS COVER THAN:
 - 600mm FOR GRASSED AREAS
 - 900mm FOR FOOTPATHS
 - 1200mm FOR ROADSTO BE SURROUNDED IN 150mm CONCRETE PROTECTION IN ACCORDANCE WITH RISH WATER STANDARD DETAIL STD-WW-07
- NOTE 3: ALL MANHOLE COVERS LOCATED IN GRASS AREAS TO BE SURROUNDED (Min. 200mm SURROUND) IN 100mm THK C20/25 CONCRETE APRON

SURFACE WATER MATERIAL TO BE IN ACCORDANCE WITH GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS

- UNLASCISED P.V.C. PIPES MUST COMPLY WITH THE 'PROVISIONAL SPECIFICATION FOR SOIL PIPES, DRAINS, SEWERS & FITTINGS MADE OF UNLASCISED P.V.C.' ISSUED BY THE DEPARTMENT OF THE ENVIRONMENT.
- S.S. 8005 PART 1 - SEWERAGE OR EQUIVALENT.
- S.S. 8010 PART 2 - PIPE LINES ON LAND OR EQUIVALENT DESIGN. CONSTRUCTION & INSTALLATION.

PIPE	INVERT	OUTLET	NOTES
SMH 1.00	81.340	81.534	
SMH 1.01	81.413	81.736	
SMH 1.02	81.493	81.749	
SMH 1.03	81.502	81.682	DISCHARGE TO POND 3B L. +81.668
SMH 1.04	81.500	81.668	DISCHARGE TO POND 3A & B CONNECTING FLAT
SMH 1.05	81.507	81.627	HYDROGRAB MANHOLE
SMH 1.06	82.500	82.588	OUTFALL FROM POND 3A L. +81.668
SMH 1.07	82.923	80.177	BO FROM SMH 1.06 L. +81.683
SMH 1.08	82.745	80.064	BO FROM SMH 1.07 L. +81.672
SMH 1.09	82.500	82.032	DISCHARGE TO POND 2 L. +79.988m
SMH 1.10	82.200	79.736	HYDROGRAB MANHOLE
SMH 1.11	81.009	77.674	OUTFALL FROM POND 2 L. +79.700m
SMH 1.12	80.346	77.736	BO FROM SMH 1.11 L. +81.687
SMH 1.13	79.856	77.684	
SMH 1.14	79.800	77.578	DISCHARGE TO POND 1 L. +77.538m
SMH 1.15	79.500	77.500	HYDROGRAB MANHOLE
SMH 2.00	83.758	82.914	OUTFALL FROM POND 1 L. +78.375m TO OUT
SC 2.00	83.600	81.100	DISCHARGE TO POND 3A
SC 2.01	83.720	83.072	
SC 2.02	83.750	82.960	
SMH 3.00	81.860	80.443	DISCHARGE TO SMH 1.06
SMH 4.00	83.354	81.745	DISCHARGE TO SMH 1.07 L. +81.672
SMH 4.01	82.859	81.529	
SMH 5.00	82.900	81.500	DISCHARGE TO SMH 1.08 L. +81.456
SC 5.00	82.200	81.200	
SC 5.01	82.200	81.126	
SC 5.02	82.700	81.049	DISCHARGE TO SMH 1.08
SMH 7.00	80.400	79.077	
SMH 7.01	81.332	77.986	DISCHARGE TO SMH 1.11
SC 8.00	79.900	79.450	
SC 8.01	80.500	79.366	
SC 8.02	81.015	79.300	DISCHARGE TO SMH 1.11 L. +79.227
SMH 9.00	79.300	77.441	DISCHARGE TO POND 1 L. +77.324
SMH 9.01	79.000	77.392	
SMH 10.00	84.250	83.617	DISCHARGE TO SMH 10.01
SMH 10.01	84.240	82.714	DISCHARGE TO SMH 10.02
SMH 10.02	83.071	81.651	DISCHARGE TO SMH 10.02A L. +81.551m
SMH 10.02A	82.937	81.247	
SMH 10.03	82.280	80.565	
SMH 10.04	82.280	80.700	
SMH 10.05	82.775	80.562	
SMH 10.06	82.534	80.463	
SMH 10.07	82.535	80.206	
SMH 10.08	81.558	80.011	BACKSTOP WH INVERT -81.475m
SMH 10.09	81.100	79.415	INVERT -80.420m
SMH 10.10	81.014	78.169	OUTFALL FROM SMH 10.08 BO L. +79.558m
SMH 10.11	80.700	78.100	
SMH 10.12	80.700	78.100	
SMH 10.13	79.000	77.600	DISCHARGE TO POND 5 L. +77.542m
SMH 10.14	78.500	77.600	HYDROGRAB MANHOLE
SMH 10.15	77.600	77.600	DISCHARGE TO GRAVITY LINE @ 0.5% A.P. LEVEL +78.30m
SMH 10.16	77.313	76.476	
SMH 11.00	82.830	82.026	DISCHARGE TO SMH 10.16
SMH 11.01	82.095	81.915	DISCHARGE TO SMH 10.16
SMH 12.00	81.900	80.750	DISCHARGE FROM SMH 12.02 BO L. +81.203
SMH 12.01	81.733	80.931	
SMH 12.02	81.710	79.786	
SMH 12.03	81.200	79.521	DISCHARGE TO SMH 10.12
SMH 12.04	81.240	79.421	
SC 12.00	81.965	81.560	
SC 12.01	81.952	81.520	
SC 12.02	81.941	81.426	DISCHARGE TO SMH 12 BO L. +81.203
SMH 13.00	80.773	79.548	
SMH 13.01	80.748	79.150	DISCHARGE TO SMH 10.13
SMH 14.00	78.700	77.476	
SMH 14.01	78.700	77.429	
SMH 14.02	79.716	77.425	DISCHARGE FROM POND 5 INVERT -77.360m
SMH 14.03	79.900	77.371	
SMH 15.00	78.748	77.723	
SMH 15.01	78.768	77.621	
SMH 15.02	82.910	81.425	DISCHARGE TO SMH 10.08
SMH 16.00	82.910	81.425	
SMH 16.01	82.700	81.332	
SMH 16.02	82.700	81.106	
SMH 16.03	82.200	80.884	
SMH 16.04	82.200	80.649	
SMH 16.05	81.800	79.977	HYDROGRAB MANHOLE
SMH 16.06	81.520	79.211	OUTFALL FROM SMH 16.05 BO L. +79.881
SMH 16.07	81.240	78.961	
SMH 16.08	80.640	78.753	
SMH 16.09	80.750	78.600	DISCHARGE TO POND 6A INVERT -78.600m
SMH 16.10	80.750	77.700	OUTFALL FROM POND 6A INVERT -77.750m
SMH 16.11	79.000	77.566	
SMH 16.12	79.000	77.265	HYDROGRAB MANHOLE
SMH 17.00	82.800	81.568	OUTFALL FROM SWALE L. +81.585m
SMH 17.01	82.700	81.517	
SMH 17.02	82.600	81.379	DISCHARGE TO SWALE L. +81.275m
SMH 17.03	82.500	81.328	
SC 17.00	82.750	82.500	
SC 17.01	82.500	82.173	
SC 17.02	82.700	82.100	DISCHARGE TO SWALE L. +82.000m
SMH 18.00	80.888	80.750	OUTFALL FROM SWALE
SMH 18.01	80.750	79.100	OUTFALL FROM SWALE L. +79.200m
SMH 18.02	80.620	79.047	
SMH 18.03	80.750	78.971	
SMH 18.04	80.750	78.816	
SMH 18.05	80.423	79.707	
SMH 18.06	80.300	78.500	
SMH 18.07	80.000	78.476	DISCHARGE TO POND 6B L. +78.433m
SC 18.00	81.800	81.100	
SC 18.01	81.700	81.040	
SC 18.02	81.625	81.009	DISCHARGE TO SWALE L. +80.00m
SMH 19.00	82.900	80.960	
SMH 19.01	82.366	79.865	OUTFALL FROM SWALE L. +79.000m
SMH 19.02	82.366	79.813	DISCHARGE TO POND 6A INVERT -79.750m
SMH 20.00	82.282	80.366	
SMH 20.01	82.700	82.211	
SMH 20.02	81.695	80.506	
SMH 20.03	81.695	79.886	
SMH 20.04	81.695	79.689	DISCHARGE TO SWALE L. +79.535m
SMH 21.00	81.652	80.327	DISCHARGE TO SMH 18.06
SMH 21.01	81.652	79.944	
SMH 21.02	81.120	79.305	
SMH 22.00	80.840	79.603	DISCHARGE TO SWALE L. +79.235m
SMH 22.01	81.120	79.305	
SMH 22.02	81.000	79.225	
SMH 23.00	84.500	83.025	
SMH 23.01	84.000	82.491	
SMH 23.02	83.640	82.300	BO FROM SMH 23.01 L. +82.315m
SMH 23.03	83.640	82.300	DISCHARGE TO POND 2 L. +81.135m
SMH 24.00	83.655	82.425	
SC 1.00	83.655	80.386	

PIPE	INVERT	OUTLET	NOTES
FFM 1.00	81.590	82.890	
FFM 1.01	81.500	82.890	
FFM 1.02	82.700	81.664	
FFM 1.03	81.500	80.782	
FFM 1.04	81.500	80.782	
FFM 1.05	81.500	80.782	
FFM 1.06	81.500	80.782	
FFM 1.07	80.700	79.127	BO FROM FFM 1.07 L. +79.000
FFM 1.08	80.700	79.127	BO FROM FFM 1.08 L. +79.000
FFM 1.09	78.650	77.385	DISCHARGE TO POND 5
FFM 2.00	83.550	82.550	
FFM 2.01	83.500	81.793	
FFM 2.02	83.500	81.152	
FFM 3.00	82.100	81.106	
FFM 3.01	81.500	80.544	
FFM 3.02	81.500	79.876	
FFM 3.03	81.200	79.605	BO FROM FFM 3.02 L. +79.883
FFM 3.04	81.200	79.594	
FFM 4.00	81.700	80.590	
FFM 4.01	81.800	80.496	
FFM 4.02	81.800	80.496	
FFM 4.03	81.800	80.496	
FFM 4.04	81.800	80.496	
FFM 4.05	81.800	80.496	
FFM 4.06	81.800	80.496	
FFM 4.07	81.800	80.496	
FFM 4.08	81.800	80.496	
FFM 4.09	81.800	80.496	
FFM 4.10	81.800	80.496	
FFM 4.11	81.800	80.496	
FFM 4.12	81.800	80.496	
FFM 4.13	81.800	80.496	
FFM 4.14	81.800	80.496	
FFM 4.15	81.800	80.496	
FFM 4.16	81.800	80.496	
FFM 4.17	81.800	80.496	
FFM 4.18	81.800	80.496	
FFM 4.19	81.800	80.496	
FFM 4.20	81.800	80.496	
FFM 4.21	81.800	80.496	
FFM 4.22	81.800	80.496	
FFM 4.23	81.800	80.496	
FFM 4.24	81.800	80.496	
FFM 4.25	81.800	80.496	
FFM 4.26	81.800	80.496	
FFM 4.27	81.800	80.496	
FFM 4.28	81.800	80.496	
FFM 4.29	81.800	80.496	
FFM 4.30	81.800	80.496	
FFM 4.31	81.800	80.496	
FFM 4.32	81.800	80.496	
FFM 4.33	81.800	80.496	
FFM 4.34	81.800	80.496	
FFM 4.35	81.800	80.496	
FFM 4.36	81.800	80.496	
FFM 4.37	81.800	80.496	
FFM 4.38	81.800	80.496	
FFM 4.39	81.800	80.496	
FFM 4.40	81.800	80.496	
FFM 4.41	81.800	80.496	
FFM 4.42	81.800	80.496	
FFM 4.43	81.800	80.496	
FFM 4.44	81.800	80.496	
FFM 4.45	81.800	80.496	
FFM 4.46	81.800	80.496	
FFM 4.47	81.800	80.496	
FFM 4.48	81.800	80.496	
FFM 4.49	81.800	80.496	
FFM 4.50	81.800	80.496	
FFM 4.51	81.800	80.496	
FFM 4.52	81.800	80.496	
FFM 4.53	81.800	80.496	
FFM 4.54	81.800	80.496	
FFM 4.55	81.800	80.496	
FFM 4.56	81.800	80.496	
FFM 4.57	81.800	80.496	
FFM 4.58	81.800	80.496	
FFM 4.59	81.800	80.496	
FFM 4.60	81.800	80.496	
FFM 4.61	81.800	80.496	
FFM 4.62	81.800	80.496	
FFM 4.63	81.800	80.496	
FFM 4.64	81.800	80.496	
FFM 4.65	81.800	80.496	
FFM 4.66	81.800	80.496	
FFM 4.67	81.800	80.496	
FFM 4.68	81.800	80.496	
FFM 4.69	81.800	80.496	
FFM 4.70	81.800	80.496	
FFM 4.71	81.800	80.496	
FFM 4.72	81.800	80.496	
FFM 4.73	81.800	80.496	
FFM 4.74	81.800	80.496	
FFM 4.75	81.800	80.496	
FFM 4.76	81.800	80.496	
FFM 4.77	81.800	80.496	
FFM 4.78	81.800	80.496	
FFM 4.79	81.800	80.496	
FFM 4.80	81.800	80.496	
FFM 4.81	81.800	80.496	
FFM 4.82	81.800	80.496	
FFM 4.83	81.800	80.496	
FFM 4.84	81.800	80.496	
FFM 4.85	81.800	80.496	
FFM 4.86	81.800	80.496	
FFM 4.87	81.800	80.496	
FFM 4.88	81.800	80.496	
FFM 4.89	81.800	80.496	
FFM 4.90	81.800	80.496	
FFM 4.91	81.800	80.496	
FFM 4.92	81.800	80.496	
FFM 4.93	81.800	80.496	
FFM 4.94	81.800	80.496	
FFM 4.95	81.800	80.496	
FFM 4.96	81.800	80.496	
FFM 4.97	81.800	80.496	
FFM 4.98	81.800	80.496	
FFM 4.99	81.800	80.496	
FFM 5.00	81.800	80.496	