



NOTES:
 1. ALL DRAINAGE SERVICING BUILDING TO BE PRIVATELY OWNED AND MAINTAINED. DIVERTED SURFACE WATER SEWER TO BE PROVIDED AS PUBLIC.
 2. ALL PROPOSED SERVICES TO BE 2.0M MIN CLEAR OF EXISTING WATERMAIN AS REQUIRED BY IRISH WATER.

LEGEND:

- EXISTING FOUL WATER SEWER
- EXISTING SURFACE WATER SEWER
- EXISTING SURFACE WATER SEWER TO BE DEMOLISHED & REMOVED
- PROPOSED FILTER DRAIN
- PROPOSED SURFACE WATER SEWER
- PROPOSED FOUL WATER SEWER
- PROPOSED FILTER DRAIN
- PROPOSED GRAVEL TRENCH WITHIN ATTENUATION TANK
- PROPOSED ATTENUATION TANK
- PROPOSED FOUL WATER MANHOLE (FMH)
- PROPOSED SURFACE WATER MANHOLE (SMH)
- EXISTING FOUL/SURFACE WATER MANHOLE TO BE DEMOLISHED & REMOVED
- EXISTING FOUL/SURFACE WATER MANHOLES
- EXTENT OF SURFACE WATER SEWER & WATERMAIN WAYLEAVE
- PROPOSED BUILDINGS
- EXTENT OF DEVELOPMENT
- INDICATIVE BOUNDARY BETWEEN DUN LAOGHAIRE RATHDOWN AND SOUTH DUBLIN COUNTY COUNCILS

PROPOSED STORM MANHOLES (SURFACE WATER CULVERT DIVERSION)

Name	Cover Level (m)	Diameter (mm)	Depth (m)
SMH 3.0	51.160	1950	1.890
SMH 3.1	50.900	1950	1.990
SMH 3.2	50.250	1950	1.628
SMH 3.3	50.150	1950	1.564
SMH 3.4	50.100	1950	1.530
CUT	50.000	1500	1.437

PROPOSED STORM MANHOLES (PROPOSED DEVELOPMENT)

Name	Cover Level (m)	Diameter (mm)	Depth (m)
SMH 1.0	50.100	1200	0.825
SMH 1.1	50.000	1200	0.845
SMH 1.2	50.150	1200	1.117
SMH 1.3	50.300	1200	1.477
SMH 2.0	50.360	1200	1.380
SMH 2.1	50.560	1200	1.684
SMH 1.4	50.740	1200	2.000
SMH 1.5	50.700	1200	1.963
SMH 1.6	50.350	1200	1.700
SMH 3.2	50.250	1200	1.630

PROPOSED FOUL MANHOLE (PROPOSED DEVELOPMENT)

Name	Cover Level (m)	Diameter (mm)	Depth (m)
FMH 2.0	50.180	1200	1.350
FMH 1.2	50.130	1200	2.210
FMH 1.1	50.300	1200	2.150
FMH 1.0	50.000	1200	1.070

PROPOSED STORM PIPES (PROPOSED DEVELOPMENT)

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	US Depth (m)	DS Depth (m)
S1.000	SMH 1.0	SMH 1.1	20.362	49.275	48.155	0.120	170.0	225	0.600	0.620
S1.001	SMH 1.1	SMH 1.2	20.768	49.155	49.033	0.122	170.0	225	0.620	0.892
S1.002	SMH 1.2	SMH 1.3	43.910	49.033	48.823	0.210	209.0	225	0.892	1.252
S1.003	SMH 1.3	SMH 1.4	17.442	48.823	48.740	0.083	209.0	225	1.262	1.775
S2.000	SMH 2.0	SMH 2.1	20.976	49.000	48.878	0.124	169.2	225	1.135	1.459
S2.001	SMH 2.1	SMH 1.4	19.412	48.876	48.791	0.115	168.8	225	1.459	1.754
S1.004	SMH 1.4	SMH 1.5	5.511	48.740	48.707	0.033	167.0	225	1.775	1.768
S1.005	SMH 1.5	SMH 1.6	21.559	48.717	48.650	0.067	321.8	225	1.758	1.475
S1.006	SMH 1.6	SMH 3.2	7.192	48.650	48.630	0.020	359.6	225	1.475	1.365

PROPOSED FOUL PIPES (PROPOSED DEVELOPMENT)

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	US Depth (m)	DS Depth (m)
F1.001	FMH 1.1	FMH 1.2	1.990	48.150	47.920	0.230	8.7	150	2.000	2.060
F2.000	FMH 2.0	FMH 1.1	19.182	48.830	48.150	0.680	28.2	150	1.200	2.000
F1.000	FMH 1.0	FMH 1.1	40.934	48.930	48.150	0.780	52.5	150	0.920	2.000

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Rev	Amendment	By	Date	Rev	Amendment	By	Date
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RESIDENTIAL DEVELOPMENT, NUTGROVE AVENUE, RATHFARNHAM, DUBLIN
PROPOSED DRAINAGE LAYOUT

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