

NOTES:
 1. ALL DRAINAGE SERVING 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
- PROPOSED SURFACE WATER MANHOLE
- 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)
SMH3.0	51.160	1650	1.890
SMH3.1	50.900	1950	1.990
SMH3.2	50.250	1650	1.628
SMH3.3	50.150	1950	1.964
SMH3.4	50.100	1950	1.530
CUT	50.000	1500	1.437

PROPOSED STORM MANHOLES (PROPOSED DEVELOPMENT)

Name	Cover Level (m)	Diameter (mm)	Depth (m)
SMH1.0	50.100	1200	0.825
SMH1.1	50.000	1200	0.845
SMH1.2	50.150	1200	1.117
SMH1.3	50.300	1200	1.477
SMH2.0	50.360	1200	1.360
SMH2.1	50.550	1200	1.684
SMH1.4	50.740	1200	2.000
SMH1.5	50.700	1200	1.993
SMH1.6	50.350	1200	1.700
SMH3.2	50.250	1200	1.620

PROPOSED FOUL MANHOLE (PROPOSED DEVELOPMENT)

Name	Cover Level (m)	Diameter (mm)	Depth (m)
FMH2.0	50.180	1200	1.350
FMH1.2	50.130	1200	2.210
FMH1.1	50.300	1200	2.150
FMH1.0	50.000	1200	1.070

PROPOSED STORM PIPES (SURFACE WATER CULVERT DIVERSION)

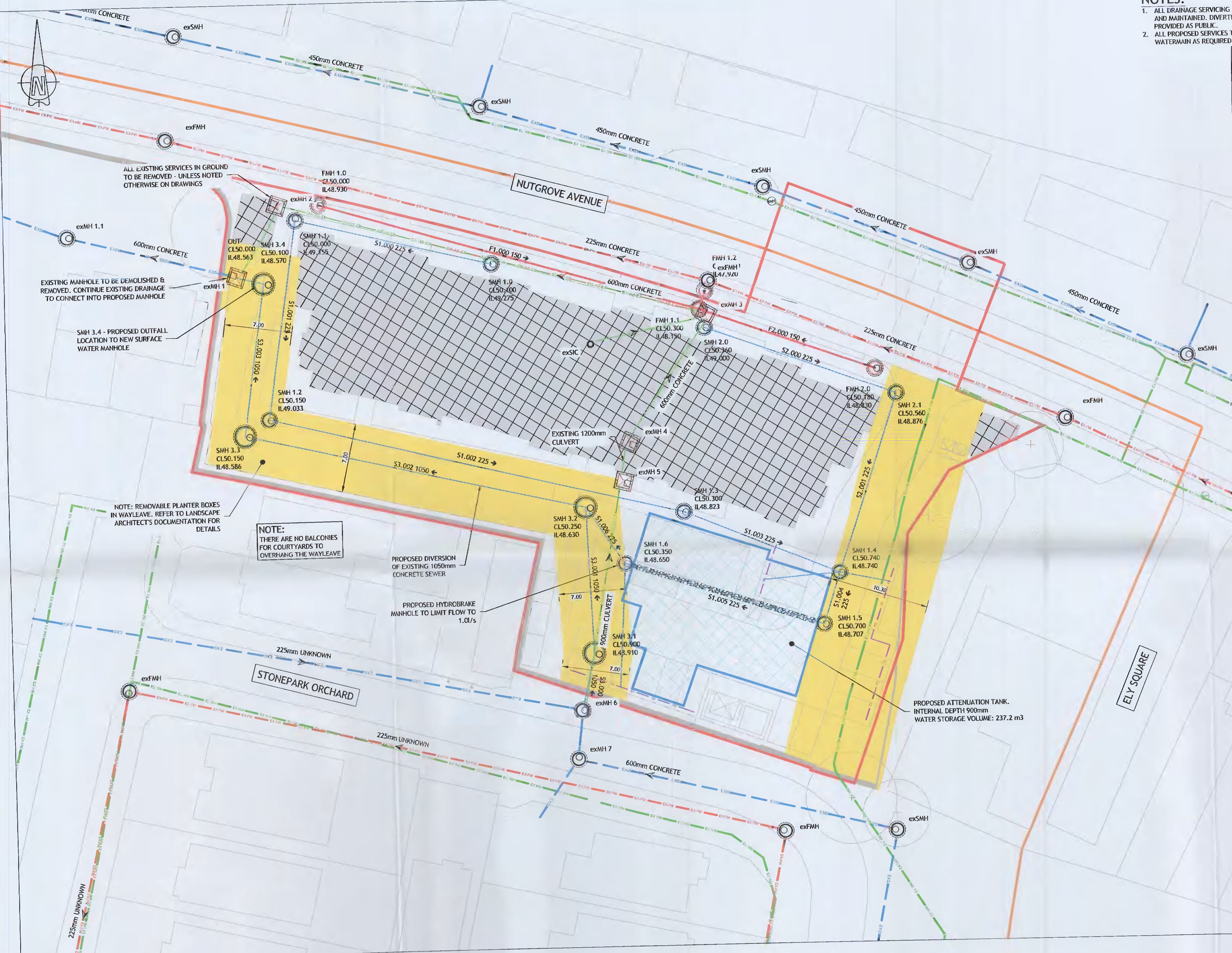
Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1%)	Dia (mm)	US Depth (m)	DS Depth (m)
S3.000	SMH3.0	SMH3.1	7.836	48.270	48.910	0.360	21.8	1050	0.840	0.940
S3.001	SMH3.1	SMH3.2	15.112	48.910	48.622	0.288	48.0	1050	0.840	0.578
S3.002	SMH3.2	SMH3.3	36.068	48.622	48.586	0.036	1001.8	1050	0.578	0.514
S3.003	SMH3.3	SMH3.4	15.773	48.586	48.570	0.016	985.8	1050	0.514	0.480
S4.000 Cut	SMH3.4	CUT	6.672	48.570	48.963	0.007	953.2	600	0.880	0.837

PROPOSED STORM PIPES (PROPOSED DEVELOPMENT)

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1%)	Dia (mm)	US Depth (m)	DS Depth (m)
S1.000	SMH1.0	SMH1.1	20.352	49.275	49.155	0.120	170.0	225	0.600	0.620
S1.001	SMH1.1	SMH1.2	20.758	49.155	49.033	0.122	170.0	225	0.620	0.892
S1.002	SMH1.2	SMH1.3	43.910	49.033	48.823	0.210	209.0	225	0.892	1.252
S1.003	SMH1.3	SMH1.4	17.442	48.823	48.740	0.083	209.0	225	1.252	1.775
S2.000	SMH2.0	SMH2.1	20.976	49.000	48.876	0.124	169.2	225	1.135	1.458
S2.001	SMH2.1	SMH1.4	19.412	48.876	48.761	0.115	168.8	225	1.458	1.754
S1.004	SMH1.4	SMH1.5	5.511	48.740	48.707	0.033	167.0	225	1.775	1.768
S1.005	SMH1.5	SMH1.6	21.559	48.717	48.650	0.067	321.8	225	1.758	1.475
S1.006	SMH1.6	SMH3.2	7.192	48.650	48.630	0.020	359.6	225	1.475	1.395

PROPOSED FOUL PIPES (PROPOSED DEVELOPMENT)

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1%)	Dia (mm)	US Depth (m)	DS Depth (m)
F1.001	FMH1.1	FMH1.2	1.990	48.150	47.920	0.230	8.7	150	2.000	2.060
F2.000	FMH2.0	FMH1.1	19.182	48.830	48.150	0.680	28.2	150	1.200	2.000
F1.000	FMH1.0	FMH1.1	40.934	48.930	48.150	0.780	52.5	150	0.920	2.000



ALL EXISTING SERVICES IN GROUND TO BE REMOVED - UNLESS NOTED OTHERWISE ON DRAWINGS

EXISTING MANHOLE TO BE DEMOLISHED & REMOVED. CONTINUE EXISTING DRAINAGE TO CONNECT INTO PROPOSED MANHOLE

SMH 3.4 - PROPOSED OUTFALL LOCATION TO NEW SURFACE WATER MANHOLE

NOTE: REMOVABLE PLANTER BOXES IN WAYLEAVE. REFER TO LANDSCAPE ARCHITECT'S DOCUMENTATION FOR DETAILS

NOTE: THERE ARE NO BALCONIES FOR COURTYARDS TO OVERHANG THE WAYLEAVE

PROPOSED DIVERSION OF EXISTING 1050mm CONCRETE SEWER

PROPOSED HYDROBRAKE MANHOLE TO LIMIT FLOW TO 1.0l/s

PROPOSED ATTENUATION TANK. INTERNAL DEPTH 900mm. WATER STORAGE VOLUME: 237.2 m³

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COLOUR DRAWING

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Rev	Date	Rev	Date	Client:
001	2021/04/19			SIRIO HOMES

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RESIDENTIAL DEVELOPMENT, NUTGROVE AVENUE, RATHFARNHAM, DUBLIN

PROPOSED DRAINAGE LAYOUT

Drawn: IBS
 Project No: 202252
 Scale: 1:200

Checked: IBS
 Date: JANUARY 2021
 Drawing No: 202252-PUNCH-XX-XX-DR-C-0100

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