

LEGEND

SITE BOUNDARY

EXISTING SURFACE WATER SERVICE & MANHOLE

PROPOSED SURFACE WATER SERVICE & MANHOLE

EXISTING FOUL WATER SERVICE & MANHOLE

PROPOSED FOUL WATER SERVICE & MANHOLE

FOUL NETWORK WITH CONCRETE SURROUND

STORM NETWORK WITH CONCRETE SURROUND

SITE CATCHMENTS:

UPPER SITE CATCHMENT OUTFALL TO INFILTRATION TANK 1

LOWER SITE CATCHMENT OUTFALL TO INFILTRATION TANK 2

STORM WATER NETWORK DETAILS - LOWER CATCHMENT							
Manhole Name	Cover Level (m)	MH Depth (m)	Pipe Out PN	Pipes In Invert Level (m)	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In Backdrop (mm)
S01	199.650	1.200	1.000		198.450	225	
S02	198.900	0.694	1.001	198.281	198.206	300	
S03	198.900	0.863	1.002	198.037	198.037	300	
S04	199.170	1.352	1.003	197.818	197.818	300	
S08	199.425	1.200	2.000		198.225	225	
S09	199.170	1.095	2.001	198.075	198.075	225	
S05	199.170	1.571	1.004	197.599	197.599	300	
				197.925			251
S06	199.300	1.770	1.005	197.530	197.530	300	
S10	199.775	1.500	3.000		198.275	225	
S11	199.000	0.918	3.001	198.157	198.082	300	
S12	199.000	1.036	3.002	197.964	197.964	300	
S13	198.900	1.008	3.003	197.892	197.892	300	
S07	199.100	1.718	1.006	197.382	197.382	300	
				197.774			392
STMH	199.100	1.907	1.007	197.368	197.193	375	100mm Accounts for PI
PI	199.100	1.924	1.008	197.176	197.176	375	
Infiltration	199.100	3.135		195.965	OUTFALL		1200mm accounts for Infiltration Tank

STORM WATER NETWORK DETAILS - UPPER CATCHMENT							
Manhole Name	Cover Level (m)	MH Depth (m)	Pipe Out PN	Pipes In Invert Level (m)	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In Backdrop (mm)
S01	201.290	1.425	1.000		199.865	300	
S02	201.620	1.840	1.001	199.780	199.780	300	
S03	202.400	2.681	1.002	199.719	199.719	300	
S04	202.500	2.842	1.003	199.658	199.658	300	
S05	202.570	2.951	1.004	199.619	199.619	300	
S06	201.385	2.514	1.005	199.471	198.871	300	600
S07	200.945	2.194	1.006	198.751	198.751	300	
S08	200.080	1.392	1.007	198.688	198.688	300	
S10	199.710	1.425	2.000		198.285	300	
S11	199.710	1.584	2.001	198.146	198.146	300	
S12	199.710	1.584	2.002	198.126	198.126	300	
S13	199.705	1.671	2.003	198.034	198.034	300	
S17	199.975	1.425	3.000		198.550	300	
S18	200.065	1.696	3.001	198.369	198.369	300	
S14	199.705	1.763	2.004	197.942	197.942	300	
				198.255			313
S15	199.645	1.730	2.005	197.915	197.915	300	
S16	199.645	1.794	2.006	197.851	197.851	300	
S09	199.645	1.933	1.008	198.652	197.712	375	865
				197.787			
TMH	199.645	1.945	1.009	197.700	197.700	375	
PI	199.645	2.073	1.010	197.672	197.572	375	100mm Accounts for PI
INF	199.645	2.130	1.011	197.515	197.515	375	
				196.715	OUTFALL		800mm accounts for Infiltration Tank

FOUL WATER NETWORK DETAILS							
Manhole Name	Cover Level (m)	MH Depth (m)	Pipe Out PN	Pipes In Invert Level (m)	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In Backdrop (mm)
F01	200.590	0.825	F1.000		199.765	225	
F02	199.930	0.825	F1.001	199.105	199.105	225	
F09	199.110	0.483	F2.000		198.627	225	
F03	199.600	1.211	F1.002	198.775	198.389	225	388
				198.389			
F04	199.425	1.362	F1.003	198.063	198.063	225	
F10	200.185	0.825	F3.000		199.360	225	
F11	200.065	0.950	F3.001	199.115	199.115	225	
F12	199.110	0.560	F4.000		198.550	225	
F13	199.170	0.890	F4.001	198.280	198.280	225	
F05	199.645	1.627	F1.004	198.018	198.018	225	
				198.820			802
				198.018			
F11	199.410	1.500	F5.000		197.910	225	
F11	199.110	1.500	F5.001	197.610	197.610	225	
F12	199.635	2.264	F5.002	197.371	197.371	225	
F06	199.775	2.445	F1.005	197.630	197.330	225	300
				197.330			
F07	201.020	3.997	F1.006	197.023	197.023	225	
F16	200.830	0.825	F6.000		200.005	225	
F17	201.385	1.495	F6.001	199.890	199.890	225	
F18	202.570	2.830	F6.002	199.740	199.740	225	
F08	202.570	5.892	F1.007	196.678	196.678	225	
				199.590			2912mm Backdrop into Existing System
EF01	202.570	5.921		196.649	OUTFALL		

General Notes:

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- Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.
- All Levels refer to Ordnance Survey Datum, Malin Head.

Foul Sewer Notes:

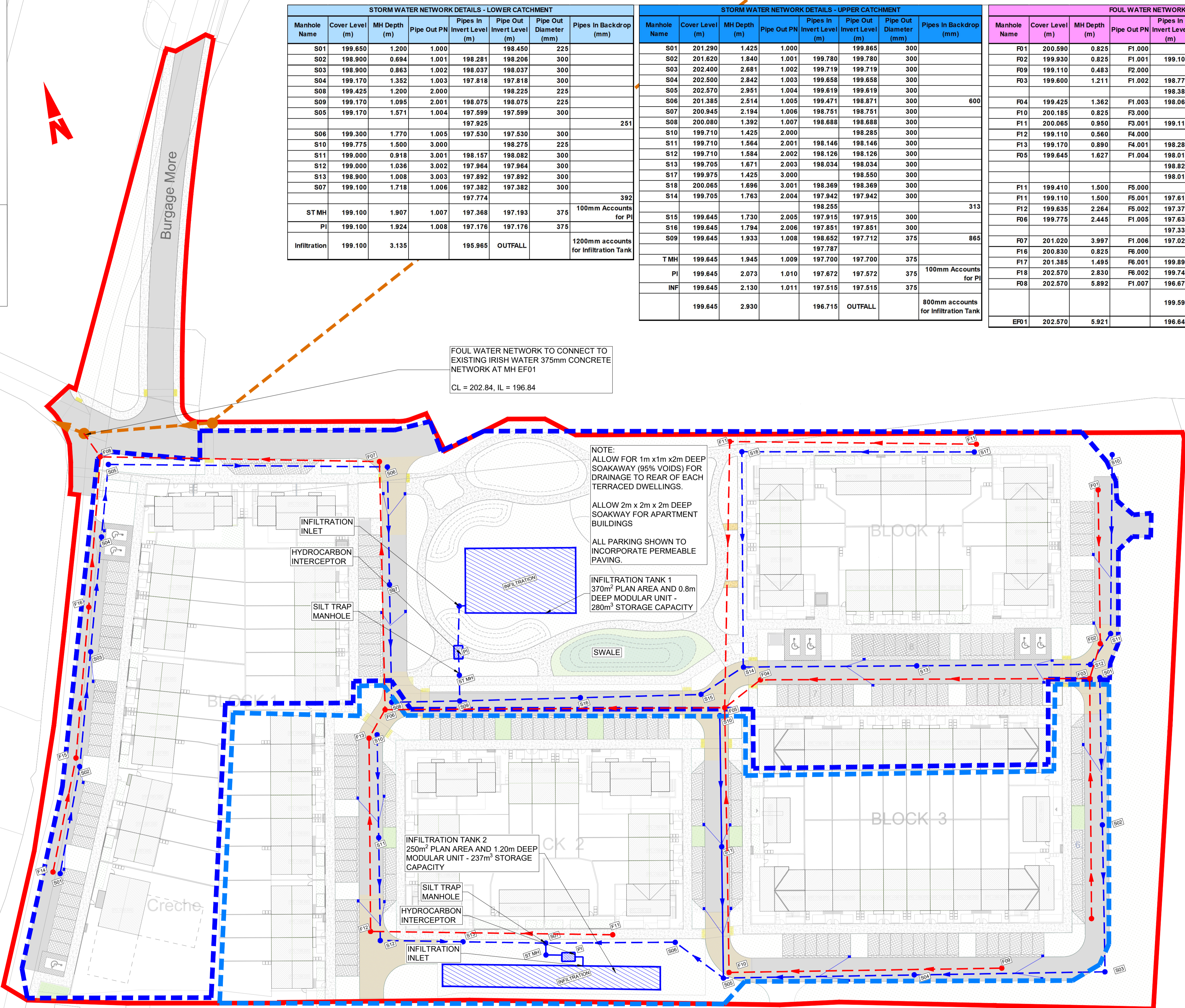
- All foul sewer works shall be carried out in accordance with Irish Water Standard Details and Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
- All pipe materials shall comply with Section 3.13 of the Irish Water Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
- Foul sewer service connections and inspection chambers to each dwelling shall be in accordance with Irish Water standard detail STD-WW-02.
- All manhole chambers shall be in accordance with Irish Water standard detail STD-WW-10.
- Trench backfill and bedding shall be in accordance with Irish Water standard detail STD-WW-07.
- Concrete bed, haunch and surround shall be in accordance with Irish Water standard detail STD-WW-08.
- Separation distances from other services, boundary walls etc. shall be in accordance with Irish Water standard detail STD-WW-05.
- Separation distances from trees, shrubs etc. shall be in accordance with Irish Water standard detail STD-WW-06 & 06A.

Storm Sewer Notes:

- All pipe materials shall comply with Section 3.13 of the Irish Water Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
- All manhole chambers shall be in accordance with Irish Water standard detail STD-WW-10.
- Trench backfill and bedding shall be in accordance with Irish Water standard detail STD-WW-07.
- Concrete bed, haunch and surround shall be in accordance with Irish Water standard detail STD-WW-08.

Watermain Notes:

- All watermain works shall be carried out in accordance with Irish Water Standard Details and Code of Practice for Water Infrastructure Document CDS-5020-03.
- All pipe materials shall be in compliance with Section 3.9 of Irish Water Code of Practice Document-CDS-5020-03.
- Individual water service connections and boundary boxes to each dwelling shall be in compliance with Irish Water standard detail STD-W-02.
- Separation distances from other services, boundary walls etc. shall be in accordance with Irish Water standard detail STD-W-11.
- Separation distances from trees, shrubs etc. shall be in accordance with Irish Water standard detail STD-W-12 & 12A.
- On line and off-line air valve details shall be in accordance with Irish Water standard detail STD-W-22 & STD-W-23 respectively.
- Sluice valve details shall be in accordance with Irish Water standard detail STD-W-15.
- On line and off-line hydrant details shall be in accordance with Irish Water standard detail STD-W-18 & STD-W-19 respectively.
- Scour valve and chamber details shall be in accordance with Irish Water standard detail STD-W-30.



Rev	Date	DM	CHK	Amendment / Issue	App
P04	12.11.21	CS	PM/MS	ISSUE FOR PLANNING	DK
P03	13.08.21	DM	MS	ISSUE FOR REVIEW	DK
P02	23.07.21	DM	DK	ISSUE FOR INFORMATION	DK
P01	16.04.21	DM	PM/MS	ISSUE FOR INFORMATION	DK

Client

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