

Paul Basham Associates		Page 1
Lancaster Court Fareham Hampshire, PO15 5TU	189.5005 ANGMERING P2 NW 3.3% AEP +40% CC	
Date 08/10/2025 File 251007_NW PHASE 2.MDX	Designed by LEC Checked by COH	
Innovyze	Network 2020.1.3	

Time Area Diagram for Surface Network 3

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.837	4-8	1.215	8-12	0.114	12-16	0.000

Total Area Contributing (ha) = 2.166

Total Pipe Volume (m³) = 1336.015

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Lancaster Court Fareham Hampshire, PO15 5TU					189.5005 ANGMERING P2 NW 3.3% AEP +40% CC							
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Innovyze					Network 2020.1.3							
STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
« - Indicates pipe capacity < flow												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
1.000	10.412	0.130	80.0	0.002	5.00	0.0	0.600		o	100	Pipe/Conduit	
1.001	9.266	0.116	79.9	0.012	0.00	0.0	0.600		o	150	Pipe/Conduit	
1.002	9.127	0.194	47.0	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
2.000	1.710	0.244	7.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
2.001	11.017	0.138	79.8	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.003	12.738	0.398	32.0	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
3.000	10.666	0.240	44.4	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
1.004	6.160	0.880	7.0	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
1.005	12.784	0.418	30.6	0.029	0.00	0.0	0.600		o	150	Pipe/Conduit	
4.000	9.641	0.121	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
4.001	8.793	0.670	13.1	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.006	21.670	0.648	33.5	0.071	0.00	0.0	0.600		o	375	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
1.000	50.00	5.20	39.100	0.002		0.0	0.0	0.0	0.86	6.8	0.4	
1.001	50.00	5.34	38.920	0.014		0.0	0.0	0.0	1.13	19.9	2.6	
1.002	50.00	5.44	38.804	0.014		0.0	0.0	0.0	1.47	26.0	2.6	
2.000	50.00	5.01	39.042	0.000		0.0	0.0	0.0	2.94	23.1	0.0	
2.001	50.00	5.22	38.798	0.000		0.0	0.0	0.0	0.86	6.8	0.0	
1.003	50.00	5.56	38.610	0.014		0.0	0.0	0.0	1.79	31.6	2.6	
3.000	50.00	5.15	38.500	0.000		0.0	0.0	0.0	1.16	9.1	0.0	
1.004	50.00	5.59	38.210	0.014		0.0	0.0	0.0	3.83	67.7	2.6	
1.005	50.00	5.70	37.388	0.043		0.0	0.0	0.0	1.83	32.3	7.8	
4.000	50.00	5.19	37.811	0.000		0.0	0.0	0.0	0.86	6.8	0.0	
4.001	50.00	5.25	37.690	0.000		0.0	0.0	0.0	2.14	16.8	0.0	
1.006	50.00	5.82	36.745	0.115		0.0	0.0	0.0	3.14	347.0	20.7	
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Lancaster Court Fareham Hampshire, PO15 5TU					189.5005 ANGMERING P2 NW 3.3% AEP +40% CC							
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File 251007_NW PHASE 2.MDX					Checked by COH							
Innovyze					Network 2020.1.3							
STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
5.000	11.773	0.147	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
5.001	7.703	0.096	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
6.000	10.903	0.155	70.3	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
5.002	3.657	0.070	52.2	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
5.003	14.426	1.078	13.4	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
7.000	9.220	0.115	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
7.001	14.067	0.844	16.7	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
8.000	8.861	0.210	42.3	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
8.001	7.206	0.133	54.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
8.002	5.978	0.444	13.5	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
7.002	4.272	0.234	18.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.007	55.615	0.171	325.0	0.103	0.00	0.0	0.600		o	450	Pipe/Conduit	
9.000	10.219	0.148	68.9	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
9.001	7.314	0.656	11.1	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
5.000	50.00	5.23	37.763	0.000	0.0	0.0	0.0	0.86	6.8	0.0		
5.001	50.00	5.38	37.616	0.000	0.0	0.0	0.0	0.86	6.8	0.0		
6.000	50.00	5.20	37.675	0.000	0.0	0.0	0.0	0.92	7.2	0.0		
5.002	50.00	5.43	37.520	0.000	0.0	0.0	0.0	1.07	8.4	0.0		
5.003	50.00	5.55	37.450	0.000	0.0	0.0	0.0	2.12	16.7	0.0		
7.000	50.00	5.18	37.565	0.000	0.0	0.0	0.0	0.86	6.8	0.0		
7.001	50.00	5.30	37.450	0.000	0.0	0.0	0.0	1.90	14.9	0.0		
8.000	50.00	5.12	37.392	0.000	0.0	0.0	0.0	1.19	9.3	0.0		
8.001	50.00	5.24	37.183	0.000	0.0	0.0	0.0	1.05	8.2	0.0		
8.002	50.00	5.29	37.050	0.000	0.0	0.0	0.0	2.12	16.6	0.0		
7.002	50.00	5.34	36.606	0.000	0.0	0.0	0.0	1.82	14.3	0.0		
1.007	50.00	6.65	36.022	0.217	0.0	0.0	0.0	1.12	178.5	39.3		
9.000	50.00	5.18	37.118	0.000	0.0	0.0	0.0	0.93	7.3	0.0		
9.001	50.00	5.24	36.970	0.000	0.0	0.0	0.0	2.33	18.3	0.0		
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Lancaster Court
Fareham
Hampshire, PO15 5TU

Date 08/10/2025
File 251007_NW PHASE 2.MDX

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189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

Designed by LEC
Checked by COH

Network 2020.1.3

Micro Drainage

STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
1.008	33.029	0.102	325.0	0.087	0.00	0.0	0.600		o	450	Pipe/Conduit	
10.000	9.805	0.123	80.0	0.012	5.00	0.0	0.600		o	100	Pipe/Conduit	
10.001	5.876	1.098	5.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
11.000	9.518	0.119	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
11.001	4.213	1.105	3.8	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
10.002	37.768	1.556	24.3	0.036	0.00	0.0	0.600		o	150	Pipe/Conduit	
12.000	11.550	0.144	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
12.001	9.646	0.200	48.2	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
13.000	10.031	0.462	21.7	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
13.001	2.533	0.150	16.9	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
12.002	6.296	0.751	8.4	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.009	29.804	0.092	325.0	0.055	0.00	0.0	0.600		o	450	Pipe/Conduit	
1.010	22.700	0.070	325.0	0.008	0.00	0.0	0.600		o	450	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.008	50.00	7.14	35.851	0.304	0.0	0.0	0.0	1.12	178.5	54.9
10.000	50.00	5.19	38.877	0.012	0.0	0.0	0.0	0.86	6.8	2.2
10.001	50.00	5.22	38.754	0.012	0.0	0.0	0.0	3.37	26.4	2.2
11.000	50.00	5.18	38.880	0.000	0.0	0.0	0.0	0.86	6.8	0.0
11.001	50.00	5.20	38.761	0.000	0.0	0.0	0.0	3.99	31.3	0.0
10.002	50.00	5.53	37.606	0.048	0.0	0.0	0.0	2.05	36.3	8.7
12.000	50.00	5.22	37.194	0.000	0.0	0.0	0.0	0.86	6.8	0.0
12.001	50.00	5.37	37.050	0.000	0.0	0.0	0.0	1.11	8.7	0.0
13.000	50.00	5.10	37.462	0.000	0.0	0.0	0.0	1.66	13.1	0.0
13.001	50.00	5.12	37.000	0.000	0.0	0.0	0.0	1.89	14.8	0.0
12.002	50.00	5.41	36.850	0.000	0.0	0.0	0.0	2.69	21.1	0.0
1.009	50.00	7.58	35.794	0.407	0.0	0.0	0.0	1.12	178.5	73.5
1.010	50.00	7.92	35.658	0.415	0.0	0.0	0.0	1.12	178.5	74.9

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Lancaster Court Fareham Hampshire, PO15 5TU					189.5005 ANGMERING P2 NW 3.3% AEP +40% CC							
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STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
1.011	22.299	0.069	325.0	0.064	0.00	0.0	0.600		o	450	Pipe/Conduit	
14.000	11.792	0.147	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
14.001	13.835	0.173	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
15.000	13.167	0.165	80.0	0.002	5.00	0.0	0.600		o	100	Pipe/Conduit	
16.000	9.904	0.124	80.0	0.007	5.00	0.0	0.600		o	100	Pipe/Conduit	
15.001	5.779	0.072	80.0	0.002	0.00	0.0	0.600		o	100	Pipe/Conduit	
14.002	24.178	0.378	63.9	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
17.000	10.759	0.755	14.2	0.009	5.00	0.0	0.600		o	100	Pipe/Conduit	
14.003	10.071	1.515	6.6	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
1.012	21.724	0.067	325.0	0.034	0.00	0.0	0.600		o	450	Pipe/Conduit	
1.013	23.535	0.072	325.0	0.026	0.00	0.0	0.600		o	450	Pipe/Conduit	
1.014	33.526	0.958	35.0	0.073	0.00	0.0	0.600		o	450	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
1.011	50.00	8.25	35.588	0.479		0.0	0.0		0.0	1.12	178.5	86.5
14.000	50.00	5.23	38.134	0.000		0.0	0.0		0.0	0.86	6.8	0.0
14.001	50.00	5.50	37.986	0.000		0.0	0.0		0.0	0.86	6.8	0.0
15.000	50.00	5.25	38.050	0.002		0.0	0.0		0.0	0.86	6.8	0.4
16.000	50.00	5.19	38.009	0.007		0.0	0.0		0.0	0.86	6.8	1.3
15.001	50.00	5.37	37.885	0.012		0.0	0.0		0.0	0.86	6.8	2.2
14.002	50.00	5.82	37.763	0.012		0.0	0.0		0.0	1.26	22.3	2.2
17.000	50.00	5.09	38.190	0.009		0.0	0.0		0.0	2.06	16.2	1.6
14.003	50.00	5.86	37.385	0.021		0.0	0.0		0.0	3.93	69.5	3.8
1.012	50.00	8.57	35.519	0.534		0.0	0.0		0.0	1.12	178.5	96.4
1.013	50.00	8.92	35.452	0.560		0.0	0.0		0.0	1.12	178.5	101.1
1.014	50.00	9.08	35.380	0.633		0.0	0.0		0.0	3.45	548.0	114.3
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Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
18.000	5.166	0.065	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
18.001	13.896	0.174	80.0	0.003	0.00	0.0	0.600		o	100	Pipe/Conduit	
18.002	6.550	0.130	50.4	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
19.000	4.146	0.119	34.8	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
18.003	9.632	1.415	6.8	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
20.000	7.044	0.104	67.7	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
20.001	3.767	0.135	27.9	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
20.002	9.600	0.510	18.8	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
20.003	9.620	1.325	7.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.015	12.321	1.232	10.0	0.030	0.00	0.0	0.600		o	450	Pipe/Conduit	
21.000	10.919	0.136	80.0	0.010	5.00	0.0	0.600		o	100	Pipe/Conduit	
21.001	6.127	0.843	7.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
21.002	47.631	0.733	65.0	0.098	0.00	0.0	0.600		o	300	Pipe/Conduit	
1.016	7.877	0.342	23.0	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
18.000	50.00	5.10	36.548	0.000		0.0	0.0	0.0	0.86	6.8	0.0	
18.001	50.00	5.37	36.484	0.003		0.0	0.0	0.0	0.86	6.8	0.5	
18.002	50.00	5.47	36.310	0.003		0.0	0.0	0.0	1.09	8.5	0.5	
19.000	50.00	5.05	36.299	0.000		0.0	0.0	0.0	1.31	10.3	0.0	
18.003	50.00	5.52	36.180	0.003		0.0	0.0	0.0	2.98	23.4	0.5	
20.000	50.00	5.13	36.839	0.000		0.0	0.0	0.0	0.94	7.4	0.0	
20.001	50.00	5.17	36.735	0.000		0.0	0.0	0.0	1.47	11.5	0.0	
20.002	50.00	5.26	36.600	0.000		0.0	0.0	0.0	1.79	14.0	0.0	
20.003	50.00	5.31	36.090	0.000		0.0	0.0	0.0	2.89	22.7	0.0	
1.015	50.00	9.11	34.415	0.666		0.0	0.0	0.0	6.46	1027.0	120.3	
21.000	50.00	5.21	35.286	0.010		0.0	0.0	0.0	0.86	6.8	1.8	
21.001	50.00	5.25	35.150	0.010		0.0	0.0	0.0	2.89	22.7	1.8	
21.002	50.00	5.65	34.107	0.108		0.0	0.0	0.0	1.95	138.1	19.5	
1.016	50.00	9.14	33.225	0.774		0.0	0.0	0.0	4.25	676.5	139.8	
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Lancaster Court
Fareham
Hampshire, PO15 5TU

Date 08/10/2025
File 251007_NW PHASE 2.MDX

189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

Designed by LEC
Checked by COH

Innovyze

Network 2020.1.3

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STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
22.000	9.614	0.534	18.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
22.001	15.386	0.246	62.5	0.004	0.00	0.0	0.600		o	100	Pipe/Conduit	
23.000	11.472	0.544	21.1	0.010	5.00	0.0	0.600		o	100	Pipe/Conduit	
22.002	4.772	0.940	5.1	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
22.003	15.004	1.522	9.9	0.020	0.00	0.0	0.600		o	150	Pipe/Conduit	
24.000	10.642	0.133	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
24.001	13.228	0.165	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
25.000	12.266	0.153	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
24.002	12.565	0.165	76.2	0.025	0.00	0.0	0.600		o	150	Pipe/Conduit	
22.004	50.482	0.620	81.4	0.055	0.00	0.0	0.600		o	225	Pipe/Conduit	
1.017	33.119	0.561	59.0	0.046	0.00	0.0	0.600		o	450	Pipe/Conduit	
26.000	8.268	0.387	21.4	0.006	5.00	0.0	0.600		o	100	Pipe/Conduit	
26.001	9.893	1.405	7.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
22.000	50.00	5.09	37.098	0.000	0.0	0.0	0.0	1.83	14.4	0.0
22.001	50.00	5.35	36.564	0.004	0.0	0.0	0.0	0.98	7.7	0.7
23.000	50.00	5.11	36.862	0.010	0.0	0.0	0.0	1.69	13.3	1.8
22.002	50.00	5.37	36.318	0.014	0.0	0.0	0.0	3.46	27.1	2.4
22.003	50.00	5.45	35.327	0.033	0.0	0.0	0.0	3.23	57.1	6.0
24.000	50.00	5.21	34.318	0.000	0.0	0.0	0.0	0.86	6.8	0.0
24.001	50.00	5.46	34.185	0.000	0.0	0.0	0.0	0.86	6.8	0.0
25.000	50.00	5.24	34.173	0.000	0.0	0.0	0.0	0.86	6.8	0.0
24.002	50.00	5.64	33.970	0.025	0.0	0.0	0.0	1.15	20.4	4.5
22.004	50.00	6.22	33.730	0.113	0.0	0.0	0.0	1.45	57.7	20.4
1.017	50.00	9.35	32.885	0.933	0.0	0.0	0.0	2.65	421.6	168.4
26.000	50.00	5.08	34.467	0.006	0.0	0.0	0.0	1.68	13.2	1.1
26.001	50.00	5.14	34.080	0.006	0.0	0.0	0.0	2.93	23.0	1.1

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Lancaster Court Fareham Hampshire, PO15 5TU						189.5005 ANGMERING P2 NW 3.3% AEP +40% CC						
Date 08/10/2025 File 251007_NW PHASE 2.MDX						Designed by LEC Checked by COH						
Innovyze						Network 2020.1.3						
STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
1.018	22.661	0.629	36.0	0.055	0.00	0.0	0.600		o	450	Pipe/Conduit	
27.000	11.177	1.131	9.9	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
27.001	12.971	0.170	76.3	0.009	0.00	0.0	0.600		o	100	Pipe/Conduit	
28.000	9.370	1.159	8.1	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
27.002	6.856	0.132	51.9	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.019	16.453	1.266	13.0	0.018	0.00	0.0	0.600		o	450	Pipe/Conduit	
29.000	7.951	0.124	63.9	0.002	5.00	0.0	0.600		o	100	Pipe/Conduit	
30.000	4.703	0.150	31.3	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
29.001	11.155	0.898	12.4	0.011	0.00	0.0	0.600		o	100	Pipe/Conduit	
31.000	7.500	0.133	56.4	0.006	5.00	0.0	0.600		o	100	Pipe/Conduit	
31.001	8.759	0.668	13.1	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
1.018	50.00	9.46	32.325	0.994	0.0	0.0	0.0	3.40	540.3	179.5		
27.000	50.00	5.08	33.471	0.000	0.0	0.0	0.0	2.47	19.4	0.0		
27.001	50.00	5.32	32.340	0.009	0.0	0.0	0.0	0.88	6.9	1.6		
28.000	50.00	5.06	33.329	0.000	0.0	0.0	0.0	2.74	21.5	0.0		
27.002	50.00	5.43	32.170	0.009	0.0	0.0	0.0	1.07	8.4	1.6		
1.019	50.00	9.51	31.688	1.021	0.0	0.0	0.0	5.66	900.5	184.3		
29.000	50.00	5.14	32.264	0.002	0.0	0.0	0.0	0.96	7.6	0.4		
30.000	50.00	5.06	32.290	0.000	0.0	0.0	0.0	1.38	10.9	0.0		
29.001	50.00	5.22	32.140	0.013	0.0	0.0	0.0	2.20	17.3	2.3		
31.000	50.00	5.12	32.043	0.006	0.0	0.0	0.0	1.03	8.1	1.1		
31.001	50.00	5.19	31.910	0.006	0.0	0.0	0.0	2.15	16.8	1.1		
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Lancaster Court Fareham Hampshire, PO15 5TU					189.5005 ANGMERING P2 NW 3.3% AEP +40% CC							
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Innovyze					Network 2020.1.3							
STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
29.002	30.204	0.121	250.0	0.030	0.00	0.0	0.600		o	450	Pipe/Conduit	
32.000	7.524	0.094	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
32.001	2.496	0.031	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
32.002	12.480	0.156	80.0	0.015	0.00	0.0	0.600		o	100	Pipe/Conduit	
32.003	15.694	0.282	55.6	0.007	0.00	0.0	0.600		o	100	Pipe/Conduit	
33.000	7.131	0.089	80.0	0.004	5.00	0.0	0.600		o	100	Pipe/Conduit	
33.001	5.088	0.064	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
34.000	7.111	0.089	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
34.001	2.618	0.033	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
33.002	11.959	0.505	23.7	0.007	0.00	0.0	0.600		o	100	Pipe/Conduit	
32.004	9.436	0.033	285.5	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
35.000	7.833	1.017	7.7	0.006	5.00	0.0	0.600		o	100	Pipe/Conduit	
29.003	23.133	0.093	250.0	0.025	0.00	0.0	0.600		o	450	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
29.002	50.00	5.61	30.659	0.049		0.0	0.0	0.0	1.28	203.8	8.9	
32.000	50.00	5.15	31.739	0.000		0.0	0.0	0.0	0.86	6.8	0.0	
32.001	50.00	5.19	31.645	0.000		0.0	0.0	0.0	0.86	6.8	0.0	
32.002	50.00	5.44	31.614	0.015		0.0	0.0	0.0	0.86	6.8	2.6	
32.003	50.00	5.69	31.458	0.022		0.0	0.0	0.0	1.04	8.1	4.0	
33.000	50.00	5.14	31.833	0.004		0.0	0.0	0.0	0.86	6.8	0.8	
33.001	50.00	5.24	31.743	0.004		0.0	0.0	0.0	0.86	6.8	0.8	
34.000	50.00	5.14	32.018	0.000		0.0	0.0	0.0	0.86	6.8	0.0	
34.001	50.00	5.19	31.929	0.000		0.0	0.0	0.0	0.86	6.8	0.0	
33.002	50.00	5.36	31.680	0.012		0.0	0.0	0.0	1.59	12.5	2.1	
32.004	50.00	5.95	31.175	0.034		0.0	0.0	0.0	0.59	10.4	6.1	
35.000	50.00	5.05	31.937	0.006		0.0	0.0	0.0	2.80	22.0	1.0	
29.003	50.00	6.26	30.593	0.113		0.0	0.0	0.0	1.28	203.8	20.4	
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Lancaster Court Fareham Hampshire, PO15 5TU					189.5005 ANGMERING P2 NW 3.3% AEP +40% CC							
Date 08/10/2025 File 251007_NW PHASE 2.MDX					Designed by LEC Checked by COH							
Innovyze					Network 2020.1.3							
STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
1.020	7.558	0.054	140.0	0.000	0.00	0.0	0.600		o	525	Pipe/Conduit	
36.000	3.508	0.024	148.2	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
36.001	2.286	0.029	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
36.002	13.189	0.165	80.0	0.020	0.00	0.0	0.600		o	100	Pipe/Conduit	
37.000	7.902	0.452	17.5	0.007	5.00	0.0	0.600		o	100	Pipe/Conduit	
36.003	4.457	0.689	6.5	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
36.004	10.709	0.214	50.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
38.000	7.521	0.709	10.6	0.006	5.00	0.0	0.600		o	100	Pipe/Conduit	
38.001	5.737	0.896	6.4	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.021	11.627	0.147	79.0	0.013	0.00	0.0	0.600		o	525	Pipe/Conduit	
39.000	8.659	0.116	74.5	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
39.001	8.590	0.743	11.6	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.022	7.917	0.417	19.0	0.006	0.00	0.0	0.600		o	525	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
1.020	50.00	9.58	30.371	1.134		0.0	0.0	0.0	1.89	409.4 204.7		
36.000	50.00	5.09	31.865	0.000		0.0	0.0	0.0	0.63	4.9 0.0		
36.001	50.00	5.14	31.841	0.000		0.0	0.0	0.0	0.86	6.8 0.0		
36.002	50.00	5.39	31.813	0.020		0.0	0.0	0.0	0.86	6.8 3.5		
37.000	50.00	5.07	32.100	0.007		0.0	0.0	0.0	1.86	14.6 1.3		
36.003	50.00	5.42	31.648	0.027		0.0	0.0	0.0	3.06	24.0 4.9		
36.004	50.00	5.58	30.959	0.027		0.0	0.0	0.0	1.09	8.6 4.9		
38.000	50.00	5.05	32.349	0.006		0.0	0.0	0.0	2.39	18.7 1.1		
38.001	50.00	5.08	31.640	0.006		0.0	0.0	0.0	3.08	24.2 1.1		
1.021	50.00	9.66	30.319	1.180		0.0	0.0	0.0	2.52	545.9 213.1		
39.000	50.00	5.16	31.456	0.000		0.0	0.0	0.0	0.89	7.0 0.0		
39.001	50.00	5.22	31.340	0.000		0.0	0.0	0.0	2.29	18.0 0.0		
1.022	50.00	9.68	30.172	1.186		0.0	0.0	0.0	5.16	1116.1 214.1		
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Lancaster Court
Fareham
Hampshire, PO15 5TU

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File 251007_NW PHASE 2.MDX

189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

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Network 2020.1.3

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STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
40.000	8.581	0.380	22.6	0.006	5.00	0.0	0.600		o	100	Pipe/Conduit	
41.000	7.820	0.098	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
40.001	4.149	0.738	5.6	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
1.023	20.562	1.028	20.0	0.036	0.00	0.0	0.600		o	525	Pipe/Conduit	
42.000	12.883	1.093	11.8	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
43.000	9.792	1.293	7.6	0.002	5.00	0.0	0.600		o	100	Pipe/Conduit	
1.024	27.774	1.029	27.0	0.024	0.00	0.0	0.600		o	525	Pipe/Conduit	
44.000	10.869	0.072	151.0	0.005	5.00	0.0	0.600		o	150	Pipe/Conduit	
44.001	22.989	0.153	150.0	0.017	0.00	0.0	0.600		o	225	Pipe/Conduit	
44.002	7.777	0.052	150.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	
1.025	7.778	0.134	58.0	0.016	0.00	0.0	0.600		o	525	Pipe/Conduit	
45.000	9.306	0.193	48.2	0.014	5.00	0.0	0.600		o	100	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
40.000	50.00	5.09	31.300	0.006	0.0	0.0	0.0	1.63	12.8	1.1
41.000	50.00	5.15	31.018	0.000	0.0	0.0	0.0	0.86	6.8	0.0
40.001	50.00	5.17	30.920	0.006	0.0	0.0	0.0	3.28	25.8	1.1
1.023	50.00	9.75	29.757	1.228	0.0	0.0	0.0	5.02	1087.8	221.7
42.000	50.00	5.09	30.369	0.000	0.0	0.0	0.0	2.26	17.8	0.0
43.000	50.00	5.06	30.437	0.002	0.0	0.0	0.0	2.83	22.2	0.4
1.024	50.00	9.86	28.719	1.254	0.0	0.0	0.0	4.32	935.8	226.5
44.000	50.00	5.22	28.407	0.005	0.0	0.0	0.0	0.82	14.4	0.9
44.001	50.00	5.58	28.209	0.022	0.0	0.0	0.0	1.07	42.4	4.0
44.002	50.00	5.70	28.056	0.022	0.0	0.0	0.0	1.07	42.4	4.0
1.025	50.00	9.90	27.704	1.293	0.0	0.0	0.0	2.95	637.6	233.5
45.000	50.00	5.14	32.962	0.014	0.0	0.0	0.0	1.11	8.7	2.6

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Lancaster Court Fareham Hampshire, PO15 5TU						189.5005 ANGMERING P2 NW 3.3% AEP +40% CC						
Date 08/10/2025 File 251007_NW PHASE 2.MDX						Designed by LEC Checked by COH						
Innovyze						Network 2020.1.3						
STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
45.001	5.565	0.354	15.7	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
45.002	25.786	1.127	22.9	0.034	0.00	0.0	0.600		o	150	Pipe/Conduit	
46.000	15.733	0.197	80.0	0.005	5.00	0.0	0.600		o	100	Pipe/Conduit	
46.001	6.279	0.737	8.5	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
46.002	16.310	0.604	27.0	0.012	0.00	0.0	0.600		o	225	Pipe/Conduit	
45.003	22.742	0.948	24.0	0.017	0.00	0.0	0.600		o	300	Pipe/Conduit	
47.000	10.068	0.357	28.2	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
47.001	6.015	1.128	5.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
45.004	11.406	0.758	15.0	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
48.000	3.308	0.870	3.8	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
45.005	23.558	1.175	20.0	0.031	0.00	0.0	0.600		o	300	Pipe/Conduit	
49.000	7.707	0.184	41.9	0.008	5.00	0.0	0.600		o	100	Pipe/Conduit	
49.001	4.862	0.127	38.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
45.001	50.00	5.19	32.769	0.014	0.0	0.0	0.0	1.96	15.4	2.6		
45.002	50.00	5.39	32.365	0.048	0.0	0.0	0.0	2.11	37.4	8.7		
46.000	50.00	5.30	32.816	0.005	0.0	0.0	0.0	0.86	6.8	0.9		
46.001	50.00	5.34	32.619	0.005	0.0	0.0	0.0	2.67	20.9	0.9		
46.002	50.00	5.45	31.757	0.017	0.0	0.0	0.0	2.53	100.5	3.1		
45.003	50.00	5.57	31.088	0.082	0.0	0.0	0.0	3.22	227.9	14.9		
47.000	50.00	5.12	31.830	0.000	0.0	0.0	0.0	1.46	11.5	0.0		
47.001	50.00	5.14	31.474	0.000	0.0	0.0	0.0	3.37	26.5	0.0		
45.004	50.00	5.62	30.145	0.082	0.0	0.0	0.0	4.07	287.9	14.9		
48.000	50.00	5.01	30.457	0.000	0.0	0.0	0.0	3.99	31.4	0.0		
45.005	50.00	5.73	29.387	0.113	0.0	0.0	0.0	3.53	249.3	20.4		
49.000	50.00	5.11	30.121	0.008	0.0	0.0	0.0	1.19	9.4	1.5		
49.001	50.00	5.17	29.937	0.008	0.0	0.0	0.0	1.25	9.8	1.5		
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Lancaster Court Fareham Hampshire, PO15 5TU					189.5005 ANGMERING P2 NW 3.3% AEP +40% CC							
Date 08/10/2025 File 251007_NW PHASE 2.MDX					Designed by LEC Checked by COH							
Innovyze					Network 2020.1.3							
STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
50.000	6.607	0.166	39.8	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
51.000	4.415	0.635	7.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
50.001	5.451	0.510	10.7	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
49.002	39.123	1.398	28.0	0.054	0.00	0.0	0.600		o	300	Pipe/Conduit	
45.006	23.119	0.077	300.0	0.032	0.00	0.0	0.600		o	375	Pipe/Conduit	
45.007	4.763	0.016	300.0	0.000	0.00	0.0	0.600		o	375	Pipe/Conduit	
52.000	11.196	0.538	20.8	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
52.001	2.303	0.210	11.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
53.000	3.607	0.045	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
53.001	8.956	0.112	80.0	0.006	0.00	0.0	0.600		o	100	Pipe/Conduit	
52.002	5.643	0.071	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
45.008	30.979	0.103	300.0	0.023	0.00	0.0	0.600		o	375	Pipe/Conduit	
45.009	8.018	0.027	300.0	0.000	0.00	0.0	0.600		o	375	Pipe/Conduit	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
50.000	50.00	5.09	30.486	0.000		0.0	0.0	0.0	1.23	9.6	0.0	
51.000	50.00	5.02	30.954	0.000		0.0	0.0	0.0	2.95	23.2	0.0	
50.001	50.00	5.13	30.320	0.000		0.0	0.0	0.0	2.38	18.7	0.0	
49.002	50.00	5.39	29.610	0.063		0.0	0.0	0.0	2.98	210.9	11.3	
45.006	50.00	6.10	28.123	0.208		0.0	0.0	0.0	1.04	115.0	37.6	
45.007	50.00	6.17	28.046	0.208		0.0	0.0	0.0	1.04	115.0	37.6	
52.000	50.00	5.11	29.078	0.000		0.0	0.0	0.0	1.70	13.4	0.0	
52.001	50.00	5.13	28.540	0.000		0.0	0.0	0.0	2.34	18.4	0.0	
53.000	50.00	5.07	28.488	0.000		0.0	0.0	0.0	0.86	6.8	0.0	
53.001	50.00	5.24	28.442	0.006		0.0	0.0	0.0	0.86	6.8	1.1	
52.002	50.00	5.35	28.331	0.006		0.0	0.0	0.0	0.86	6.8	1.1	
45.008	50.00	6.67	28.030	0.237		0.0	0.0	0.0	1.04	115.0	42.9	
45.009	50.00	6.80	27.927	0.237		0.0	0.0	0.0	1.04	115.0	42.9	
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Lancaster Court
Fareham
Hampshire, PO15 5TU

189.5005 ANGMERING
P2 NW
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Date 08/10/2025
File 251007_NW PHASE 2.MDX

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Network 2020.1.3

STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
45.010	32.120	0.170	188.9	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
54.000	10.057	0.126	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
54.001	13.666	0.171	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
54.002	11.560	0.144	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
55.000	8.397	0.084	100.0	0.043	5.00	0.0	0.600		o	225	Pipe/Conduit	
55.001	16.538	0.165	100.2	0.017	0.00	0.0	0.600		o	225	Pipe/Conduit	
54.003	10.065	0.113	89.0	0.013	0.00	0.0	0.600		o	225	Pipe/Conduit	
45.011	34.493	0.219	157.5	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
1.026	6.444	0.041	157.2	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
1.027	15.494	0.070	221.3	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
1.028	5.381	0.050	107.6	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
56.000	13.047	0.480	27.2	0.002	5.00	0.0	0.600		o	100	Pipe/Conduit	
56.001	15.816	0.620	25.5	0.012	0.00	0.0	0.600		o	100	Pipe/Conduit	
57.000	9.443	0.210	45.0	0.006	5.00	0.0	0.600		o	100	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
45.010	50.00	7.34	27.900	0.237	0.0	0.0	0.0	0.98	2963.3	42.9
54.000	50.00	5.19	28.430	0.000	0.0	0.0	0.0	0.86	6.8	0.0
54.001	50.00	5.46	28.304	0.000	0.0	0.0	0.0	0.86	6.8	0.0
54.002	50.00	5.68	28.133	0.000	0.0	0.0	0.0	0.86	6.8	0.0
55.000	50.00	5.11	28.060	0.043	0.0	0.0	0.0	1.31	52.0	7.8
55.001	50.00	5.32	27.976	0.060	0.0	0.0	0.0	1.31	51.9	10.9
54.003	50.00	5.80	27.863	0.074	0.0	0.0	0.0	1.39	55.1	13.3
45.011	50.00	7.87	27.730	0.311	0.0	0.0	0.0	1.08	3245.6	56.2
1.026	50.00	10.00	27.511	1.604	0.0	0.0	0.0	1.08	3249.1	289.7
1.027	50.00	10.28	27.470	1.604	0.0	0.0	0.0	0.91	2737.9	289.7
1.028	50.00	10.35	27.400	1.604	0.0	0.0	0.0	1.30	3926.4	289.7
56.000	50.00	5.15	28.750	0.002	0.0	0.0	0.0	1.49	11.7	0.4
56.001	50.00	5.32	28.270	0.014	0.0	0.0	0.0	1.53	12.1	2.5
57.000	50.00	5.14	28.380	0.006	0.0	0.0	0.0	1.15	9.1	1.1

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Fareham
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Date 08/10/2025
File 251007_NW PHASE 2.MDX

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189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

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Network 2020.1.3

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STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
57.001	17.970	0.520	34.6	0.012	0.00	0.0	0.600		o	100	Pipe/Conduit	
58.000	6.832	0.195	35.1	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
58.001	3.993	0.168	23.8	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
58.002	12.497	0.660	18.9	0.009	0.00	0.0	0.600		o	100	Pipe/Conduit	
56.002	18.660	0.200	93.3	0.016	0.00	0.0	0.600		o	150	Pipe/Conduit	
1.029	19.696	1.592	12.4	0.004	0.00	0.0	0.600		o	450	Pipe/Conduit	
1.030	10.516	0.058	182.3	0.011	0.00	0.0	0.600		o	450	Pipe/Conduit	
59.000	12.948	0.162	80.0	0.002	5.00	0.0	0.600		o	100	Pipe/Conduit	
59.001	14.655	0.183	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
60.000	13.125	0.217	60.5	0.007	5.00	0.0	0.600		o	100	Pipe/Conduit	
59.002	8.516	0.106	80.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
61.000	11.518	0.144	80.0	0.019	5.00	0.0	0.600		o	150	Pipe/Conduit	
59.003	14.015	0.124	113.0	0.000	0.00	0.0	0.600		o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
57.001	50.00	5.36	28.170	0.018	0.0	0.0	0.0	1.32	10.3	3.3
58.000	50.00	5.09	28.673	0.000	0.0	0.0	0.0	1.31	10.3	0.0
58.001	50.00	5.13	28.478	0.000	0.0	0.0	0.0	1.59	12.5	0.0
58.002	50.00	5.25	28.310	0.009	0.0	0.0	0.0	1.78	14.0	1.7
56.002	50.00	5.66	27.600	0.057	0.0	0.0	0.0	1.04	18.4	10.3
1.029	50.00	10.41	27.350	1.665	0.0	0.0	0.0	5.80	923.2	300.6
1.030	50.00	10.53	25.758	1.676	0.0	0.0	0.0	1.50	239.0	302.6
59.000	50.00	5.25	39.181	0.002	0.0	0.0	0.0	0.86	6.8	0.4
59.001	50.00	5.53	39.019	0.002	0.0	0.0	0.0	0.86	6.8	0.4
60.000	50.00	5.22	39.147	0.007	0.0	0.0	0.0	0.99	7.8	1.2
59.002	50.00	5.70	38.836	0.009	0.0	0.0	0.0	0.86	6.8	1.7
61.000	50.00	5.17	38.823	0.019	0.0	0.0	0.0	1.12	19.9	3.4
59.003	50.00	5.89	38.679	0.028	0.0	0.0	0.0	1.23	48.9	5.0

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Date 08/10/2025
File 251007_NW PHASE 2.MDX

189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

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Network 2020.1.3

STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
65.002	5.631	0.080	70.4	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
65.003	18.236	0.860	21.2	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
59.008	13.106	0.085	154.2	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
59.009	12.562	0.085	147.0	0.021	0.00	0.0	0.600		o	225	Pipe/Conduit	
59.010	43.586	0.295	148.0	0.036	0.00	0.0	0.600		o	225	Pipe/Conduit	
67.000	3.306	0.405	8.2	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
59.011	33.471	0.820	40.8	0.017	0.00	0.0	0.600		o	225	Pipe/Conduit	
59.012	2.982	0.225	13.3	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
68.000	14.858	0.238	62.4	0.000	5.00	0.0	0.600		o	150	Pipe/Conduit	
68.001	12.381	0.093	133.0	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
68.002	19.387	1.275	15.2	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
59.013	31.895	0.225	141.8	0.000	0.00	0.0	0.600		o	375	Pipe/Conduit	
59.014	16.970	0.160	106.1	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
59.015	23.137	0.760	30.4	0.026	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
59.016	5.334	0.274	19.5	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
65.002	50.00	5.51	38.940	0.012	0.0	0.0	0.0	0.92	7.2	2.2
65.003	50.00	5.69	38.860	0.012	0.0	0.0	0.0	1.68	13.2	2.2
59.008	50.00	9.11	37.985	0.143	0.0	0.0	0.0	1.09	3280.3	25.9
59.009	50.00	9.30	37.900	0.165	0.0	0.0	0.0	1.08	42.8	29.7
59.010	50.00	9.98	37.815	0.201	0.0	0.0	0.0	1.07	42.6	36.3
67.000	50.00	5.02	37.925	0.000	0.0	0.0	0.0	2.72	21.4	0.0
59.011	50.00	10.25	37.520	0.218	0.0	0.0	0.0	2.05	81.7	39.4
59.012	50.00	10.27	36.700	0.218	0.0	0.0	0.0	3.44	8204.2	39.4
68.000	50.00	5.19	38.081	0.000	0.0	0.0	0.0	1.28	22.5	0.0
68.001	50.00	5.43	37.843	0.000	0.0	0.0	0.0	0.87	15.4	0.0
68.002	50.00	5.65	37.750	0.000	0.0	0.0	0.0	1.46	330.1	0.0
59.013	50.00	10.62	36.475	0.218	0.0	0.0	0.0	1.52	167.9	39.4
59.014	50.00	10.83	36.250	0.218	0.0	0.0	0.0	1.31	3955.2	39.4
59.015	50.00	10.99	36.090	0.244	0.0	0.0	0.0	2.45	7382.4	44.0
59.016	50.00	11.02	35.330	0.244	0.0	0.0	0.0	3.01	8536.2	44.0

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Lancaster Court
Fareham
Hampshire, PO15 5TU

189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

Date 08/10/2025
File 251007_NW PHASE 2.MDX

Designed by LEC
Checked by COH

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Network 2020.1.3

STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
69.000	21.977	1.696	13.0	0.004	5.00	0.0	0.600		o	100	Pipe/Conduit	
70.000	9.651	0.121	79.7	0.002	5.00	0.0	0.600		o	100	Pipe/Conduit	
69.001	13.857	0.173	80.2	0.008	0.00	0.0	0.600		o	100	Pipe/Conduit	
71.000	10.187	0.206	49.4	0.002	5.00	0.0	0.600		o	100	Pipe/Conduit	
69.002	5.825	0.335	17.4	0.004	0.00	0.0	0.600		o	100	Pipe/Conduit	
69.003	3.004	0.200	15.0	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
69.004	11.253	0.200	56.3	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
59.017	6.547	0.336	19.5	0.010	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
59.018	45.264	2.912	15.5	0.048	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
72.000	10.235	1.020	10.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
72.001	5.040	0.300	16.8	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
72.002	10.850	0.370	29.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
72.003	14.857	0.430	34.6	0.002	0.00	0.0	0.600		o	100	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
69.000	50.00	5.17	37.704	0.004	0.0	0.0	0.0	2.16	16.9	0.8
70.000	50.00	5.19	36.129	0.002	0.0	0.0	0.0	0.86	6.8	0.4
69.001	50.00	5.46	36.008	0.015	0.0	0.0	0.0	0.86	6.8	2.6
71.000	50.00	5.15	36.041	0.002	0.0	0.0	0.0	1.10	8.6	0.4
69.002	50.00	5.51	35.835	0.020	0.0	0.0	0.0	1.86	14.6	3.7
69.003	50.00	5.53	35.500	0.020	0.0	0.0	0.0	2.00	15.7	3.7
69.004	50.00	5.67	35.300	0.020	0.0	0.0	0.0	1.34	23.7	3.7
59.017	50.00	11.05	35.056	0.275	0.0	0.0	0.0	3.03	8815.9	49.6
59.018	50.00	11.28	34.720	0.323	0.0	0.0	0.0	3.42	10112.9	58.3
72.000	50.00	5.07	36.100	0.000	0.0	0.0	0.0	2.45	19.3	0.0
72.001	50.00	5.11	35.080	0.000	0.0	0.0	0.0	1.89	14.9	0.0
72.002	50.00	5.24	34.780	0.000	0.0	0.0	0.0	1.43	11.2	0.0
72.003	50.00	5.43	34.410	0.002	0.0	0.0	0.0	1.32	10.3	0.4

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Lancaster Court Fareham Hampshire, PO15 5TU					189.5005 ANGMERING P2 NW 3.3% AEP +40% CC							
Date 08/10/2025 File 251007_NW PHASE 2.MDX					Designed by LEC Checked by COH							
Innovyze					Network 2020.1.3							
STORM SEWER DESIGN by the Modified Rational Method												
Network Design Table for Surface Network 3												
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
73.000	5.109	0.100	51.1	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
73.001	15.898	0.220	72.3	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
72.004	13.868	1.080	12.8	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
74.000	12.826	0.487	26.3	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
72.005	8.001	0.270	29.6	0.008	0.00	0.0	0.600		o	150	Pipe/Conduit	
75.000	8.459	0.106	80.0	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
72.006	4.631	0.320	14.5	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
76.000	6.342	0.061	104.6	0.000	5.00	0.0	0.600		o	100	Pipe/Conduit	
72.007	11.190	0.410	27.3	0.000	0.00	0.0	0.600		o	150	Pipe/Conduit	
59.019	1.675	0.108	15.5	0.000	0.00	0.0		0.045	3 \=/	100	1:3 Swale	
59.020	14.124	0.706	20.0	0.037	0.00	0.0	0.600		o	300	Pipe/Conduit	
59.021	14.642	0.294	49.8	0.018	0.00	0.0	0.600		o	300	Pipe/Conduit	
59.022	33.432	1.868	17.9	0.016	0.00	0.0		0.045	3 \=/	300	1:3 Swale	
Network Results Table												
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)		
73.000	50.00	5.08	34.300	0.000	0.0	0.0	0.0	1.08	8.5	0.0		
73.001	50.00	5.37	34.200	0.000	0.0	0.0	0.0	0.91	7.1	0.0		
72.004	50.00	5.53	33.980	0.002	0.0	0.0	0.0	2.17	17.0	0.4		
74.000	50.00	5.14	33.387	0.000	0.0	0.0	0.0	1.51	11.9	0.0		
72.005	50.00	5.61	32.900	0.010	0.0	0.0	0.0	1.86	32.8	1.9		
75.000	50.00	5.16	32.736	0.000	0.0	0.0	0.0	0.86	6.8	0.0		
72.006	50.00	5.64	32.630	0.010	0.0	0.0	0.0	2.66	47.0	1.9		
76.000	50.00	5.14	32.371	0.000	0.0	0.0	0.0	0.75	5.9	0.0		
72.007	50.00	5.73	32.310	0.010	0.0	0.0	0.0	1.93	34.2	1.9		
59.019	50.00	11.28	31.808	0.333	0.0	0.0	0.0	3.44	10343.0	60.1		
59.020	50.00	11.35	31.700	0.370	0.0	0.0	0.0	3.53	249.6	66.8		
59.021	50.00	11.46	30.994	0.388	0.0	0.0	0.0	2.23	157.8	70.1		
59.022	50.00	11.63	30.700	0.404	0.0	0.0	0.0	3.23	10028.1	73.0		
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189.5005	ANGMERING
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P2 NW

3.3% AEP +40% CC

Designed by LEC

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Network 2020.1.3

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
77.000	6.640	0.443	15.0	0.002	5.00	0.0	0.600			o 100	Pipe/Conduit	
77.001	2.606	0.174	15.0	0.000	0.00	0.0	0.600			o 100	Pipe/Conduit	
77.002	10.428	0.695	15.0	0.004	0.00	0.0	0.600			o 225	Pipe/Conduit	
77.003	12.295	0.307	40.0	0.015	0.00	0.0	0.600			o 225	Pipe/Conduit	
78.000	7.508	0.094	80.0	0.004	5.00	0.0	0.600			o 100	Pipe/Conduit	
78.001	4.823	0.060	80.0	0.000	0.00	0.0	0.600			o 100	Pipe/Conduit	
79.000	4.059	0.051	80.0	0.000	5.00	0.0	0.600			o 100	Pipe/Conduit	
79.001	3.499	0.044	80.0	0.007	0.00	0.0	0.600			o 100	Pipe/Conduit	
79.002	2.635	0.033	80.0	0.000	0.00	0.0	0.600			o 100	Pipe/Conduit	
78.002	11.153	0.139	80.0	0.000	0.00	0.0	0.600			o 100	Pipe/Conduit	
77.004	5.367	0.215	25.0	0.000	0.00	0.0	0.600			o 225	Pipe/Conduit	
77.005	5.834	0.233	25.0	0.000	0.00	0.0	0.600			o 225	Pipe/Conduit	
77.006	7.451	0.298	25.0	0.000	0.00	0.0	0.600			o 225	Pipe/Conduit	
77.007	10.290	0.412	25.0	0.000	0.00	0.0	0.600			o 225	Pipe/Conduit	
59.023	1.466	0.082	17.9	0.000	0.00	0.0		0.045	3 \=/	300	1:3 Swale	

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
77.000	50.00	5.06	31.802	0.002	0.0	0.0	0.0	2.00	15.7	0.4
77.001	50.00	5.08	31.359	0.002	0.0	0.0	0.0	2.00	15.7	0.4
77.002	50.00	5.13	31.060	0.006	0.0	0.0	0.0	3.40	135.0	1.1
77.003	50.00	5.23	30.365	0.021	0.0	0.0	0.0	2.07	82.5	3.9
78.000	50.00	5.15	30.414	0.004	0.0	0.0	0.0	0.86	6.8	0.8
78.001	50.00	5.24	30.320	0.004	0.0	0.0	0.0	0.86	6.8	0.8
79.000	50.00	5.08	30.387	0.000	0.0	0.0	0.0	0.86	6.8	0.0
79.001	50.00	5.15	30.336	0.007	0.0	0.0	0.0	0.86	6.8	1.3
79.002	50.00	5.20	30.292	0.007	0.0	0.0	0.0	0.86	6.8	1.3
78.002	50.00	5.45	30.259	0.012	0.0	0.0	0.0	0.86	6.8	2.1
77.004	50.00	5.49	30.058	0.033	0.0	0.0	0.0	2.63	104.5	6.0
77.005	50.00	5.53	29.843	0.033	0.0	0.0	0.0	2.63	104.5	6.0
77.006	50.00	5.57	29.610	0.033	0.0	0.0	0.0	2.63	104.5	6.0
77.007	50.00	5.64	29.312	0.033	0.0	0.0	0.0	2.63	104.5	6.0
59.023	50.00	11.64	28.832	0.437	0.0	0.0	0.0	3.27	10487.6	78.9

Paul Basham Associates

Lancaster Court
Fareham
Hampshire, PO15 5TU

Date 08/10/2025
File 251007_NW PHASE 2.MDX

189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

Designed by LEC
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Network 2020.1.3

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STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for Surface Network 3

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	n	HYD SECT	DIA (mm)	Section Type	Auto Design
59.024	10.644	0.712	14.9	0.000	0.00	0.0	0.600		o	300	Pipe/Conduit	
59.025	11.074	0.459	24.1	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit	
59.026	10.802	0.117	92.6	0.000	0.00	0.0	0.600		o	675	Pipe/Conduit	
80.000	6.973	0.170	41.1	0.004	5.00	0.0	0.600		o	100	Pipe/Conduit	
80.001	2.894	0.112	25.7	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
80.002	10.531	0.379	27.8	0.016	0.00	0.0	0.600		o	100	Pipe/Conduit	
80.003	9.421	0.776	12.1	0.000	0.00	0.0	0.600		o	100	Pipe/Conduit	
80.004	12.645	0.672	18.8	0.033	0.00	0.0	0.600		o	150	Pipe/Conduit	
59.027	3.863	0.042	92.6	0.000	0.00	0.0	0.600		o	675	Pipe/Conduit	
59.028	9.923	0.400	24.8	0.000	0.00	0.0		0.045	3 \=/	675	1:3 Swale	
59.029	17.074	0.700	24.4	0.000	0.00	0.0	0.600		o	675	Pipe/Conduit	
59.030	3.142	0.019	162.6	0.000	0.00	0.0	0.600		o	675	Pipe/Conduit	
1.031	13.121	0.181	72.5	0.000	0.00	0.0		0.045	3 \=/	675	1:3 Swale	
1.032	29.898	2.400	12.5	0.000	0.00	0.0	0.600		o	450	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
59.024	50.00	11.68	28.750	0.437	0.0	0.0	0.0	4.09	288.9	78.9
59.025	50.00	11.73	27.688	0.437	0.0	0.0	0.0	4.15	660.2	78.9
59.026	50.00	11.79	27.004	0.437	0.0	0.0	0.0	2.72	974.8	78.9
80.000	50.00	5.10	29.572	0.004	0.0	0.0	0.0	1.21	9.5	0.8
80.001	50.00	5.13	29.402	0.004	0.0	0.0	0.0	1.53	12.0	0.8
80.002	50.00	5.25	29.290	0.020	0.0	0.0	0.0	1.47	11.5	3.6
80.003	50.00	5.32	28.911	0.020	0.0	0.0	0.0	2.23	17.5	3.6
80.004	50.00	5.41	28.135	0.053	0.0	0.0	0.0	2.33	41.2	9.5
59.027	50.00	11.82	26.887	0.490	0.0	0.0	0.0	2.72	974.8	88.5
59.028	50.00	11.87	26.800	0.490	0.0	0.0	0.0	2.88	10287.4	88.5
59.029	50.00	11.93	26.400	0.490	0.0	0.0	0.0	5.32	1904.0	88.5
59.030	50.00	11.95	25.700	0.490	0.0	0.0	0.0	2.05	734.5	88.5
1.031	50.00	12.08	25.681	2.166	0.0	0.0	0.0	1.68	6018.0	391.1
1.032	50.00	12.17	25.500	2.166	0.0	0.0	0.0	5.78	919.9	391.1

Free Flowing Outfall Details for Surface Network 3

Outfall Pipe Number	Outfall C. Name	Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.032	S148	25.365	23.100	0.000	0	0

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Lancaster Court Fareham Hampshire, PO15 5TU	189.5005 ANGMERING P2 NW 3.3% AEP +40% CC	
Date 08/10/2025	Designed by LEC	
File 251007_NW PHASE 2.MDX	Checked by COH	
Innovyze		Network 2020.1.3

Simulation Criteria for Surface Network 3

Volumetric Runoff Coeff	1.000	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m ³ /ha Storage	2.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1

Number of Input Hydrographs	0	Number of Storage Structures	0
Number of Online Controls	0	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FEH
Return Period (years)	100
FEH Rainfall Version	2013
Site Location	GB 507546 105033 TQ 07546 05033
Data Type	Point
Summer Storms	Yes
Winter Storms	Yes
Cv (Summer)	1.000
Cv (Winter)	0.840
Storm Duration (mins)	30

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Lancaster Court
Fareham
Hampshire, PO15 5TU

Date 08/10/2025
File 251007_NW PHASE 2.MDX

Innovyze

189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

Designed by LEC
Checked by COH

Network 2020.1.3

Micro Drainage

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

Simulation Criteria

Areal Reduction Factor 1.000

Additional Flow - % of Total Flow 0.000

Hot Start (mins) 0

MADD Factor * 10m³/ha Storage 2.000

Hot Start Level (mm) 0

Inlet Coefficient 0.800

Manhole Headloss Coeff (Global) 0.500

Flow per Person per Day (l/per/day) 0.000

Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0

Number of Storage Structures 0

Number of Online Controls 0

Number of Time/Area Diagrams 0

Number of Offline Controls 0

Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH

FEH Rainfall Version 2013

Site Location GB 507546 105033 TQ 07546 05033

Data Type Point

Cv (Summer) 0.850

Cv (Winter) 0.900

Margin for Flood Risk Warning (mm) 200.0

Analysis Timestep 2.5 Second Increment (Extended)

DTS Status ON

DVD Status OFF

Inertia Status OFF

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 240, 360, 480, 960, 1440

Return Period(s) (years) 30

Climate Change (%) 40

Water

Level

US/MH

Return

Climate

First (X)

First (Y)

First (Z)

Overflow

Level

PN

Name

Storm

Period

Change

Surcharge

Flood

Overflow

Act.

(m)

1.000 PS1292 15 Summer 30 +40% 39.131

1.001 PS1291 15 Summer 30 +40% 38.997

1.002 PS1290 15 Summer 30 +40% 38.870

2.000 PS1297 15 Summer 30 +40% 39.042

2.001 PS1296 15 Summer 30 +40% 38.798

1.003 PS1289 15 Summer 30 +40% 38.668

3.000 PS1283 15 Summer 30 +40% 38.500

1.004 PS1282 15 Summer 30 +40% 38.250

1.005 S75 15 Summer 30 +40% 37.503

4.000 PS1193 15 Summer 30 +40% 37.811

4.001 PS1192 15 Summer 30 +40% 37.690

1.006 S76 15 Summer 30 +40% 36.872

5.000 PS1186 15 Summer 30 +40% 37.763

5.001 PS1185 15 Summer 30 +40% 37.616

6.000 PS1181 15 Summer 30 +40% 37.675

5.002 PS1180 15 Summer 30 +40% 37.520

5.003 PS1179 15 Summer 30 +40% 37.450

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Lancaster Court Fareham Hampshire, PO15 5TU	189.5005 ANGMERING P2 NW 3.3% AEP +40% CC	
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Innovyze	Network 2020.1.3	

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

PN	US/MH Name	Surcharged Flooded		Flow / Overflow		Half Drain	Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)	Cap.	(l/s)	Time (mins)	Flow (l/s)		
1.000	PS1292	-0.069	0.000	0.21			1.3	OK	
1.001	PS1291	-0.073	0.000	0.52			9.1	OK	
1.002	PS1290	-0.084	0.000	0.40			9.1	OK	
2.000	PS1297	-0.100	0.000	0.00			0.0	OK	
2.001	PS1296	-0.100	0.000	0.00			0.0	OK	
1.003	PS1289	-0.092	0.000	0.32			9.1	OK	
3.000	PS1283	-0.100	0.000	0.00			0.0	OK	
1.004	PS1282	-0.110	0.000	0.16			9.0	OK	
1.005	S75	-0.035	0.000	0.94			27.6	OK	
4.000	PS1193	-0.100	0.000	0.00			0.0	OK	
4.001	PS1192	-0.100	0.000	0.00			0.0	OK	
1.006	S76	-0.248	0.000	0.25			73.4	OK	
5.000	PS1186	-0.100	0.000	0.00			0.0	OK	
5.001	PS1185	-0.100	0.000	0.00			0.0	OK	
6.000	PS1181	-0.100	0.000	0.00			0.0	OK	
5.002	PS1180	-0.100	0.000	0.00			0.0	OK	
5.003	PS1179	-0.100	0.000	0.00			0.0	OK	

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Lancaster Court
Fareham
Hampshire, PO15 5TU

Date 08/10/2025
File 251007_NW PHASE 2.MDX

189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

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Network 2020.1.3

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
7.000	PS1176	15 Summer	30	+40%					37.565
7.001	PS1174	15 Summer	30	+40%					37.450
8.000	PS1172	15 Summer	30	+40%					37.392
8.001	PS1171	15 Summer	30	+40%					37.183
8.002	PS1166	15 Summer	30	+40%					37.050
7.002	PS2930	15 Winter	30	+40%					36.637
1.007	S77	15 Summer	30	+40%	30/15 Summer				36.663
9.000	PS1223	15 Summer	30	+40%					37.118
9.001	PS1222	15 Summer	30	+40%					36.970
1.008	S78	15 Summer	30	+40%	30/15 Summer				36.602
10.000	PS1332	15 Summer	30	+40%	30/15 Summer				39.003
10.001	PS1331	15 Summer	30	+40%					38.792
11.000	PS1322	15 Summer	30	+40%					38.880
11.001	PS1320	15 Summer	30	+40%					38.761
10.002	S79	15 Summer	30	+40%					37.713
12.000	PS1129	15 Summer	30	+40%					37.194
12.001	PS1128	15 Summer	30	+40%					37.050
13.000	PS1125	15 Summer	30	+40%					37.462
13.001	PS1124	15 Summer	30	+40%					37.000
12.002	PS2888	15 Summer	30	+40%					36.850
1.009	S81	15 Winter	30	+40%	30/15 Summer				36.522
1.010	S82	15 Winter	30	+40%	30/15 Summer				36.404
1.011	S83	15 Winter	30	+40%	30/15 Summer				36.298
14.000	PS1273	15 Summer	30	+40%					38.134
14.001	PS1271	15 Summer	30	+40%					37.986
15.000	PS1267	15 Summer	30	+40%					38.081
16.000	PS1265	15 Summer	30	+40%					38.070
15.001	PS1264	15 Summer	30	+40%	30/15 Summer				38.010
14.002	PS1263	15 Summer	30	+40%					37.823
17.000	PS1278	15 Summer	30	+40%					38.230
14.003	PS1277	15 Summer	30	+40%					37.429
1.012	S84	15 Winter	30	+40%	30/15 Summer				36.159
1.013	S85	15 Winter	30	+40%	30/15 Summer				35.991
1.014	S86	15 Winter	30	+40%					35.615
18.000	PS1487	15 Summer	30	+40%					36.548
18.001	PS1486	15 Summer	30	+40%					36.521
18.002	PS1485	15 Summer	30	+40%					36.344
19.000	PS1483	15 Summer	30	+40%					36.299
18.003	PS1482	15 Summer	30	+40%					36.200
20.000	PS2743	15 Summer	30	+40%					36.839
20.001	PS2744	15 Summer	30	+40%					36.735
20.002	PS2745	15 Summer	30	+40%					36.600
20.003	PS1082	15 Summer	30	+40%					36.090
1.015	S89	15 Winter	30	+40%					34.619
21.000	PS2785	15 Summer	30	+40%					35.362
21.001	PS1496	15 Summer	30	+40%					35.186
21.002	S90	15 Summer	30	+40%					34.263
1.016	S92	15 Winter	30	+40%					33.563
22.000	PS1008	15 Summer	30	+40%					37.098

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Lancaster Court Fareham Hampshire, PO15 5TU				189.5005 ANGMERING P2 NW 3.3% AEP +40% CC					
Date 08/10/2025				Designed by LEC					
File 251007_NW PHASE 2.MDX				Checked by COH					
Innovyze				Network 2020.1.3					
Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3									

Paul Basham Associates		Page 27
Lancaster Court Fareham Hampshire, PO15 5TU	189.5005 ANGMERING P2 NW 3.3% AEP +40% CC	
Date 08/10/2025 File 251007_NW PHASE 2.MDX	Designed by LEC Checked by COH	
Innovyze	Network 2020.1.3	

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

PN	US/MH Name	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain	Pipe	Status	Level
		Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)		Exceeded
22.000	PS1008	-0.100	0.000	0.00			0.0	OK	

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189.5005	ANGMERING
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P2 NW

3.3% AEP +40% CC

Designed by LEC

Checked by COH



Network 2020.1.3

									Water
US/MH			Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Level
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act.	(m)
22.001	PS2746	15	Summer	30	+40%				36.603
23.000	PS1025	15	Summer	30	+40%				36.909
22.002	PS1019	15	Summer	30	+40%				36.358
22.003	S94	15	Summer	30	+40%				35.393
24.000	PS999	15	Summer	30	+40%				34.318
24.001	PS998	15	Summer	30	+40%				34.246
25.000	PS994	15	Summer	30	+40%				34.249
24.002	S93	15	Summer	30	+40%	30/15	Summer		34.271
22.004	S95	15	Summer	30	+40%	30/15	Summer		34.200
1.017	S97	15	Winter	30	+40%				33.280
26.000	PS962	15	Summer	30	+40%				34.504
26.001	PS961	15	Summer	30	+40%				34.108
1.018	S99	15	Winter	30	+40%				32.653
27.000	PS1066	15	Summer	30	+40%				33.471
27.001	PS1060	15	Summer	30	+40%				32.411
28.000	PS2975	15	Summer	30	+40%				33.329
27.002	PS1059	15	Summer	30	+40%				32.234
1.019	S100	15	Summer	30	+40%				31.952
29.000	PS780	15	Summer	30	+40%				32.294
30.000	PS776	15	Summer	30	+40%				32.290
29.001	PS779	15	Summer	30	+40%				32.190
31.000	PS2886	15	Summer	30	+40%				32.093
31.001	PS773	15	Summer	30	+40%				31.943
29.002	S101	15	Summer	30	+40%	30/15	Summer		31.458
32.000	PS794	15	Summer	30	+40%	30/15	Summer		32.251
32.001	PS2792	15	Summer	30	+40%	30/15	Summer		32.254
32.002	PS2793	15	Summer	30	+40%	30/15	Summer		32.257
32.003	PS793	15	Summer	30	+40%	30/15	Summer		32.074
33.000	PS804	15	Summer	30	+40%				31.877
33.001	PS803	15	Summer	30	+40%				31.788
34.000	PS2796	15	Summer	30	+40%				32.018
34.001	PS799	15	Summer	30	+40%				31.929
33.002	PS2797	15	Summer	30	+40%				31.737
32.004	PS792	15	Summer	30	+40%	30/15	Summer		31.552
35.000	PS1395	15	Summer	30	+40%				31.964
29.003	S102	15	Summer	30	+40%	30/15	Summer		31.447
1.020	S103	15	Summer	30	+40%	30/15	Summer		31.425
36.000	PS815	15	Summer	30	+40%	30/15	Summer		32.265
36.001	PS2801	15	Summer	30	+40%	30/15	Summer		32.266
36.002	PS823	15	Summer	30	+40%	30/15	Summer		32.269
37.000	PS831	15	Summer	30	+40%				32.139
36.003	PS2803	15	Summer	30	+40%	30/15	Summer		31.914
36.004	PS813	15	Summer	30	+40%	30/15	Summer		31.633
38.000	PS1054	15	Summer	30	+40%				32.380
38.001	PS1052	15	Summer	30	+40%				31.668
1.021	S104	15	Summer	30	+40%	30/15	Summer		31.064
39.000	PS2992	15	Summer	30	+40%				31.456
39.001	PS1051	15	Summer	30	+40%				31.340
1.022	S105	15	Summer	30	+40%				30.582

Paul Basham Associates							Page 29		
Lancaster Court Fareham Hampshire, PO15 5TU				189.5005 ANGMERING P2 NW 3.3% AEP +40% CC					
Date 08/10/2025 File 251007_NW PHASE 2.MDX				Designed by LEC Checked by COH					
Innovyze				Network 2020.1.3					
Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3									
PN	US/MH Name	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
22.001	PS2746	-0.061	0.000	0.33			2.4	OK	
23.000	PS1025	-0.053	0.000	0.45			5.6	OK	
22.002	PS1019	-0.060	0.000	0.34			8.0	OK	
22.003	S94	-0.085	0.000	0.39			20.6	OK	
24.000	PS999	-0.100	0.000	0.00			0.0	OK	
24.001	PS998	-0.039	0.000	0.07			0.5	OK	
25.000	PS994	-0.024	0.000	0.03			0.2	OK	
24.002	S93	0.151	0.000	0.91			16.9	SURCHARGED	
22.004	S95	0.245	0.000	1.16			64.2	SURCHARGED	
1.017	S97	-0.055	0.000	1.00			366.0	OK	
26.000	PS962	-0.063	0.000	0.30			3.6	OK	
26.001	PS961	-0.072	0.000	0.17			3.6	OK	
1.018	S99	-0.122	0.000	0.88			390.1	OK	
27.000	PS1066	-0.100	0.000	0.00			0.0	OK	
27.001	PS1060	-0.029	0.000	0.85			5.5	OK	
28.000	PS2975	-0.100	0.000	0.00			0.0	OK	
27.002	PS1059	-0.036	0.000	0.73			5.5	OK	
1.019	S100	-0.186	0.000	0.63			401.6	OK	
29.000	PS780	-0.071	0.000	0.19			1.3	OK	
30.000	PS776	-0.100	0.000	0.00			0.0	OK	
29.001	PS779	-0.050	0.000	0.50			8.1	OK	
31.000	PS2886	-0.050	0.000	0.49			3.6	OK	
31.001	PS773	-0.067	0.000	0.23			3.6	OK	
29.002	S101	0.349	0.000	0.13			23.6	SURCHARGED	
32.000	PS794	0.412	0.000	0.10			0.6	FLOOD RISK	
32.001	PS2792	0.509	0.000	0.34			1.7	SURCHARGED	
32.002	PS2793	0.544	0.000	1.11			7.1	SURCHARGED	
32.003	PS793	0.516	0.000	1.39			10.8	SURCHARGED	
33.000	PS804	-0.056	0.000	0.40			2.5	OK	
33.001	PS803	-0.055	0.000	0.41			2.4	OK	
34.000	PS2796	-0.100	0.000	0.00			0.0	OK	
34.001	PS799	-0.100	0.000	0.00			0.0	OK	
33.002	PS2797	-0.043	0.000	0.61			7.2	OK	
32.004	PS792	0.227	0.000	1.86			17.2	SURCHARGED	
35.000	PS1395	-0.073	0.000	0.16			3.2	OK	
29.003	S102	0.404	0.000	0.31			51.5	SURCHARGED	
1.020	S103	0.529	0.000	1.83			453.8	SURCHARGED	
36.000	PS815	0.300	0.000	0.11			0.5	FLOOD RISK	
36.001	PS2801	0.325	0.000	0.22			1.0	FLOOD RISK	
36.002	PS823	0.356	0.000	1.60			10.2	FLOOD RISK	
37.000	PS831	-0.061	0.000	0.32			4.3	OK	
36.003	PS2803	0.166	0.000	0.64			13.3	SURCHARGED	
36.004	PS813	0.574	0.000	1.64			13.1	SURCHARGED	
38.000	PS1054	-0.069	0.000	0.21			3.6	OK	
38.001	PS1052	-0.072	0.000	0.17			3.6	OK	
1.021	S104	0.220	0.000	1.62			476.4	SURCHARGED	
39.000	PS2992	-0.100	0.000	0.00			0.0	OK	
39.001	PS1051	-0.100	0.000	0.00			0.0	OK	
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Lancaster Court Fareham Hampshire, PO15 5TU	189.5005 ANGMERING P2 NW 3.3% AEP +40% CC	
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Innovyze	Network 2020.1.3	

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

PN	US/MH Name	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain	Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)		
1.022	S105	-0.115	0.000	0.97			478.8	OK	

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Lancaster Court
Fareham
Hampshire, PO15 5TU

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File 251007_NW PHASE 2.MDX

189.5005 ANGMERING
P2 NW
3.3% AEP +40% CC

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Network 2020.1.3

Micro Drainage

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

	US/MH		Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Water
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act.	Level
									(m)
40.000	PS812	15 Summer	30	+40%					31.338
41.000	PS2993	15 Summer	30	+40%					31.018
40.001	PS827	15 Summer	30	+40%					30.947
1.023	S106	15 Summer	30	+40%					30.062
42.000	PS929	15 Summer	30	+40%					30.369
43.000	PS810	15 Summer	30	+40%					30.454
1.024	S107	15 Winter	30	+40%					29.029
44.000	PS875	15 Winter	30	+40%	30/15 Winter				28.563
44.001	PS874	15 Winter	30	+40%	30/15 Summer				28.554
44.002	PS868	15 Winter	30	+40%	30/15 Summer				28.536
1.025	S108	15 Winter	30	+40%	30/15 Summer				28.527
45.000	PS947	15 Summer	30	+40%					33.058
45.001	PS943	15 Winter	30	+40%					32.824
45.002	S109	15 Summer	30	+40%					32.470
46.000	PS958	15 Summer	30	+40%					32.864
46.001	PS957	15 Summer	30	+40%					32.646
46.002	S2707	15 Summer	30	+40%					31.808
45.003	S110	15 Summer	30	+40%					31.191
47.000	PS936	15 Summer	30	+40%					31.830
47.001	PS934	15 Summer	30	+40%					31.474
45.004	S111	15 Summer	30	+40%					30.243
48.000	PS932	15 Summer	30	+40%					30.457
45.005	S112	15 Summer	30	+40%					29.504
49.000	PS922	15 Summer	30	+40%					30.175
49.001	PS921	15 Summer	30	+40%					29.991
50.000	PS927	15 Summer	30	+40%					30.486
51.000	PS925	15 Summer	30	+40%					30.954
50.001	PS924	15 Summer	30	+40%					30.320
49.002	S113	15 Summer	30	+40%					29.701
45.006	S114	15 Summer	30	+40%	30/15 Summer				28.735
45.007	S115	15 Summer	30	+40%	30/15 Summer				28.632
52.000	PS907	15 Summer	30	+40%					29.078
52.001	PS906	15 Summer	30	+40%					28.546
53.000	PS901	15 Summer	30	+40%					28.587
53.001	PS900	15 Summer	30	+40%	30/15 Summer				28.588
52.002	PS899	15 Summer	30	+40%	30/15 Summer				28.562
45.008	S2708	15 Summer	30	+40%	30/15 Summer				28.544
45.009	S116	15 Summer	30	+40%	30/15 Summer				28.369
45.010	PS2895	15 Winter	30	+40%					28.170
54.000	PS887	15 Summer	30	+40%					28.430
54.001	PS886	15 Summer	30	+40%					28.304
54.002	PS881	15 Summer	30	+40%					28.133
55.000	PS880	15 Summer	30	+40%					28.187
55.001	PS879	15 Summer	30	+40%					28.138
54.003	PS878	30 Winter	30	+40%	30/30 Summer				28.090
45.011	PS2898	30 Summer	30	+40%					28.072
1.026	PS3026	30 Summer	30	+40%					28.040
1.027	PS2899	30 Summer	30	+40%					28.005
1.028	PS2900	30 Summer	30	+40%					27.865

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Lancaster Court Fareham Hampshire, PO15 5TU				189.5005 ANGMERING P2 NW 3.3% AEP +40% CC					
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Innovyze				Network 2020.1.3					
Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3									

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Lancaster Court Fareham Hampshire, PO15 5TU	189.5005 ANGMERING P2 NW 3.3% AEP +40% CC	
Date 08/10/2025 File 251007_NW PHASE 2.MDX	Designed by LEC Checked by COH	
Innovyze	Network 2020.1.3	

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

PN	US/MH Name	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain	Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)		
1.028	PS2900	-0.522	0.000	0.14			563.4	OK	

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Lancaster Court Fareham Hampshire, PO15 5TU				189.5005 ANGMERING P2 NW 3.3% AEP +40% CC					
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Innovyze				Network 2020.1.3					
Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3									
PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
56.000	PS842	15 Summer	30	+40%					28.773
56.001	PS841	15 Summer	30	+40%	30/15 Summer				28.538
57.000	PS702	15 Summer	30	+40%	30/15 Summer				28.769
57.001	PS2763	15 Summer	30	+40%	30/15 Summer				28.743
58.000	PS2760	15 Summer	30	+40%					28.673
58.001	PS2761	15 Summer	30	+40%					28.478
58.002	PS855	15 Summer	30	+40%					28.364
56.002	PS837	15 Summer	30	+40%	30/15 Summer				28.250
1.029	PS2896	30 Summer	30	+40%					27.791
1.030	S141	30 Summer	30	+40%	30/15 Summer				26.962
59.000	PS1303	15 Summer	30	+40%					39.211
59.001	PS1302	15 Summer	30	+40%					39.049
60.000	PS1310	15 Summer	30	+40%					39.200
59.002	PS1301	15 Summer	30	+40%					38.907
61.000	PS1315	15 Summer	30	+40%					38.907
59.003	PS1300	15 Summer	30	+40%					38.816
62.000	S2704	15 Summer	30	+40%					38.836
59.004	PS3007	15 Summer	30	+40%					38.789
59.005	S121	15 Summer	30	+40%					38.657
63.000	PS1339	15 Summer	30	+40%					39.100
63.001	PS2714	15 Summer	30	+40%	30/15 Summer				38.997
63.002	PS1338	15 Summer	30	+40%	30/15 Summer				39.003
64.000	PS1347	15 Summer	30	+40%					39.209
63.003	PS1337	15 Summer	30	+40%					38.518
59.006	PS2924	30 Summer	30	+40%					38.396
59.007	PS3009	30 Winter	30	+40%					38.284
65.000	PS1357	15 Summer	30	+40%					39.391
65.001	PS1356	15 Summer	30	+40%	30/15 Summer				39.293
66.000	PS1362	15 Summer	30	+40%					39.363
65.002	PS1355	15 Summer	30	+40%	30/15 Summer				39.062
65.003	PS1354	15 Summer	30	+40%					38.915
59.008	PS3008	30 Winter	30	+40%					38.156
59.009	S123	60 Summer	30	+40%					38.080
59.010	S124	60 Winter	30	+40%					37.999
67.000	PS1350	15 Summer	30	+40%					37.925
59.011	S125	60 Winter	30	+40%					37.641
59.012	PS2889	60 Winter	30	+40%					36.805
68.000	PS1383	15 Summer	30	+40%					38.081
68.001	PS1382	15 Summer	30	+40%					37.843
68.002	PS2890	15 Summer	30	+40%					37.750
59.013	S128	60 Winter	30	+40%					36.610
59.014	S129	60 Winter	30	+40%					36.407
59.015	PS2891	60 Winter	30	+40%					36.212
59.016	S130	60 Winter	30	+40%					35.442
69.000	PS1468	15 Summer	30	+40%					37.730
70.000	PS1457	15 Summer	30	+40%	30/15 Summer				36.251
69.001	PS1454	15 Summer	30	+40%	30/15 Summer				36.242
71.000	PS1461	15 Summer	30	+40%					36.069
69.002	PS1453	15 Summer	30	+40%					35.911
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Lancaster Court Fareham Hampshire, PO15 5TU				189.5005 ANGMERING P2 NW 3.3% AEP +40% CC					
Date 08/10/2025 File 251007_NW PHASE 2.MDX				Designed by LEC Checked by COH					
Innovyze				Network 2020.1.3					
Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3									
PN	US/MH Name	Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
56.000	PS842	-0.077	0.000	0.12			1.3	OK	
56.001	PS841	0.168	0.000	0.69			7.9	SURCHARGED	
57.000	PS702	0.289	0.000	0.49			4.1	SURCHARGED	
57.001	PS2763	0.473	0.000	0.98			9.7	SURCHARGED	
58.000	PS2760	-0.100	0.000	0.00			0.0	OK	
58.001	PS2761	-0.100	0.000	0.00			0.0	OK	
58.002	PS855	-0.046	0.000	0.44			5.9	OK	
56.002	PS837	0.500	0.000	1.86			32.0	SURCHARGED	
1.029	PS2896	-0.009	0.000	0.72			513.6	OK	
1.030	S141	0.754	0.000	3.05			514.1	SURCHARGED	
59.000	PS1303	-0.070	0.000	0.20			1.3	OK	
59.001	PS1302	-0.070	0.000	0.20			1.3	OK	
60.000	PS1310	-0.047	0.000	0.54			4.0	OK	
59.002	PS1301	-0.029	0.000	0.83			5.2	OK	
61.000	PS1315	-0.066	0.000	0.60			10.7	OK	
59.003	PS1300	-0.088	0.000	0.36			15.5	OK	
62.000	S2704	-0.764	0.000	0.01			18.8	OK	
59.004	PS3007	-0.766	0.000	0.03			32.7	OK	
59.005	S121	-0.818	0.000	0.01			41.1	OK	
63.000	PS1339	-0.100	0.000	0.00			0.0	OK	
63.001	PS2714	0.027	0.000	0.05			0.4	SURCHARGED	
63.002	PS1338	0.263	0.000	1.48			9.6	SURCHARGED	
64.000	PS1347	-0.100	0.000	0.00			0.0	OK	
63.003	PS1337	-0.062	0.000	0.63			12.0	OK	
59.006	PS2924	-0.854	0.000	0.01			37.1	OK	
59.007	PS3009	-0.814	0.000	0.01			42.9	OK	
65.000	PS1357	-0.100	0.000	0.00			0.0	OK	
65.001	PS1356	0.083	0.000	1.14			7.3	SURCHARGED	
66.000	PS1362	-0.100	0.000	0.00			0.0	OK	
65.002	PS1355	0.022	0.000	1.15			7.4	SURCHARGED	
65.003	PS1354	-0.045	0.000	0.58			7.4	OK	
59.008	PS3008	-0.846	0.000	0.01			40.5	OK	
59.009	S123	-0.045	0.000	1.00			36.8	OK	
59.010	S124	-0.041	0.000	1.00			40.6	OK	
67.000	PS1350	-0.100	0.000	0.00			0.0	OK	
59.011	S125	-0.104	0.000	0.56			43.2	OK	
59.012	PS2889	-0.770	0.000	0.01			42.9	OK	
68.000	PS1383	-0.150	0.000	0.00			0.0	OK	
68.001	PS1382	-0.150	0.000	0.00			0.0	OK	
68.002	PS2890	-0.258	0.000	0.00			0.0	OK	
59.013	S128	-0.240	0.000	0.28			42.1	OK	
59.014	S129	-0.834	0.000	0.01			40.9	OK	
59.015	PS2891	-0.871	0.000	0.01			42.6	OK	
59.016	S130	-0.844	0.000	0.01			42.6	OK	
69.000	PS1468	-0.074	0.000	0.15			2.4	OK	
70.000	PS1457	0.022	0.000	0.22			1.4	SURCHARGED	
69.001	PS1454	0.134	0.000	1.31			8.4	SURCHARGED	
71.000	PS1461	-0.073	0.000	0.16			1.3	OK	
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Lancaster Court Fareham Hampshire, PO15 5TU				189.5005 ANGMERING P2 NW 3.3% AEP +40% CC					
Date 08/10/2025 File 251007_NW PHASE 2.MDX				Designed by LEC Checked by COH					
Innovyze				Network 2020.1.3					
Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3									
	US/MH		Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Water
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act.	Level (m)
69.003	PS1452	15 Summer	30	+40%					35.578
69.004	PS1466	15 Summer	30	+40%					35.380
59.017	PS3010	60 Winter	30	+40%					35.171
59.018	S131	30 Summer	30	+40%					34.833
72.000	PS1436	15 Summer	30	+40%					36.100
72.001	PS1435	15 Summer	30	+40%					35.080
72.002	PS1434	15 Summer	30	+40%					34.780
72.003	PS1433	15 Summer	30	+40%					34.436
73.000	PS1439	15 Summer	30	+40%					34.300
73.001	PS1442	15 Summer	30	+40%					34.200
72.004	PS1432	15 Summer	30	+40%					34.000
74.000	PS1428	15 Summer	30	+40%					33.387
72.005	PS1427	15 Summer	30	+40%					32.949
75.000	PS1422	15 Summer	30	+40%					32.736
72.006	PS1421	15 Summer	30	+40%					32.674
76.000	PS1419	15 Summer	30	+40%					32.371
72.007	PS1418	15 Summer	30	+40%					32.357
59.019	PS3028	60 Winter	30	+40%					31.926
59.020	S132	30 Summer	30	+40%					31.806
59.021	S133	30 Summer	30	+40%					31.139
59.022	S134	30 Summer	30	+40%					30.808
77.000	PS732	15 Summer	30	+40%					31.821
77.001	PS2776	15 Summer	30	+40%					31.380
77.002	PS2777	15 Summer	30	+40%					31.087
77.003	PS731	15 Summer	30	+40%					30.432
78.000	PS2772	15 Summer	30	+40%					30.458
78.001	PS2773	15 Summer	30	+40%					30.389
79.000	PS725	15 Summer	30	+40%					30.426
79.001	PS2770	15 Summer	30	+40%					30.431
79.002	PS724	15 Summer	30	+40%	30/15 Summer				30.402
78.002	PS2782	15 Summer	30	+40%	30/15 Summer				30.376
77.004	PS723	15 Summer	30	+40%					30.144
77.005	PS719	15 Summer	30	+40%					29.927
77.006	PS710	15 Summer	30	+40%					29.688
77.007	S135	15 Summer	30	+40%					29.385
59.023	PS3027	30 Winter	30	+40%					28.953
59.024	S136	30 Winter	30	+40%					28.867
59.025	PS2894	30 Winter	30	+40%					27.816
59.026	PS3001	30 Winter	30	+40%					27.176
80.000	PS2765	15 Summer	30	+40%					29.609
80.001	PS2766	15 Summer	30	+40%					29.498
80.002	PS705	15 Summer	30	+40%	30/15 Summer				29.490
80.003	PS704	15 Summer	30	+40%					28.975
80.004	S137	15 Summer	30	+40%					28.244
59.027	PS3000	30 Winter	30	+40%					27.084
59.028	S138	30 Winter	30	+40%					26.900
59.029	S139	30 Winter	30	+40%					26.516
59.030	S142	30 Winter	30	+40%					26.050
1.031	PS2994	30 Winter	30	+40%					26.046
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Lancaster Court Fareham Hampshire, PO15 5TU				189.5005 ANGMERING P2 NW 3.3% AEP +40% CC					
Date 08/10/2025 File 251007_NW PHASE 2.MDX				Designed by LEC Checked by COH					
Innovyze				Network 2020.1.3					
Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3									
PN	US/MH Name	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
69.003	PS1452	-0.022	0.000	0.94			11.7	OK	
69.004	PS1466	-0.070	0.000	0.55			11.8	OK	
59.017	PS3010	-0.853	0.000	0.01			44.5	OK	
59.018	S131	-0.864	0.000	0.00			45.4	OK	
72.000	PS1436	-0.100	0.000	0.00			0.0	OK	
72.001	PS1435	-0.100	0.000	0.00			0.0	OK	
72.002	PS1434	-0.100	0.000	0.00			0.0	OK	
72.003	PS1433	-0.074	0.000	0.15			1.5	OK	
73.000	PS1439	-0.100	0.000	0.00			0.0	OK	
73.001	PS1442	-0.100	0.000	0.00			0.0	OK	
72.004	PS1432	-0.080	0.000	0.09			1.5	OK	
74.000	PS1428	-0.100	0.000	0.00			0.0	OK	
72.005	PS1427	-0.101	0.000	0.23			6.6	OK	
75.000	PS1422	-0.100	0.000	0.00			0.0	OK	
72.006	PS1421	-0.106	0.000	0.19			6.6	OK	
76.000	PS1419	-0.100	0.000	0.00			0.0	OK	
72.007	PS1418	-0.103	0.000	0.21			6.6	OK	
59.019	PS3028	-0.959	0.000	0.01			47.9	OK	
59.020	S132	-0.194	0.000	0.27			56.0	OK	
59.021	S133	-0.155	0.000	0.46			60.7	OK	
59.022	S134	-0.860	0.000	0.01			63.0	OK	
77.000	PS732	-0.081	0.000	0.08			1.2	OK	
77.001	PS2776	-0.079	0.000	0.10			1.2	OK	
77.002	PS2777	-0.198	0.000	0.03			3.9	OK	
77.003	PS731	-0.158	0.000	0.19			13.6	OK	
78.000	PS2772	-0.056	0.000	0.40			2.5	OK	
78.001	PS2773	-0.031	0.000	0.41			2.4	OK	
79.000	PS725	-0.061	0.000	0.01			0.1	FLOOD RISK	
79.001	PS2770	-0.005	0.000	0.80			4.5	OK	
79.002	PS724	0.010	0.000	0.87			4.4	SURCHARGED	
78.002	PS2782	0.017	0.000	1.07			6.8	SURCHARGED	
77.004	PS723	-0.139	0.000	0.31			20.1	OK	
77.005	PS719	-0.141	0.000	0.29			20.0	OK	
77.006	PS710	-0.147	0.000	0.26			19.9	OK	
77.007	S135	-0.152	0.000	0.23			20.0	OK	
59.023	PS3027	-0.899	0.000	0.01			72.0	OK	
59.024	S136	-0.183	0.000	0.33			68.8	OK	
59.025	PS2894	-0.322	0.000	0.18			68.6	OK	
59.026	PS3001	-0.503	0.000	0.15			68.8	OK	
80.000	PS2765	-0.063	0.000	0.29			2.5	OK	
80.001	PS2766	-0.005	0.000	0.28			2.6	OK	
80.002	PS705	0.100	0.000	1.10			11.9	SURCHARGED	
80.003	PS704	-0.035	0.000	0.74			12.0	OK	
80.004	S137	-0.040	0.000	0.87			32.7	OK	
59.027	PS3000	-0.479	0.000	0.19			76.7	OK	
59.028	S138	-0.900	0.000	0.01			75.4	OK	
59.029	S139	-0.559	0.000	0.07			73.5	OK	
59.030	S142	-0.325	0.000	0.25			73.4	OK	
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Innovyze	Network 2020.1.3	

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m ³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
1.031	PS2994	-0.639	0.000	0.11		584.3	OK	

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Lancaster Court Fareham Hampshire, PO15 5TU	189.5005 ANGMERING P2 NW 3.3% AEP +40% CC	
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Innovyze	Network 2020.1.3	

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 3

	US/MH		Return Climate	First (X)	First (Y)	First (Z)	Overflow	Water
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act. Level
								(m)
1.032	S147	30 Winter	30	+40%				25.789

	US/MH	Depth	Volume	Flow / Overflow	Time	Pipe		Level
PN	Name	(m)	(m ³)	Cap. (l/s)	(mins)	Flow (l/s)	Status	Exceeded
1.032	S147	-0.161	0.000	0.74		583.6	OK	