



Banners Gate Limited
10-11 Birmingham Street
Halesowen
B63 3HN

File: NETWORK 01 - 2022.08.24.PFD
Network: Foul Network 1
Oliver Bayley
24/08/2022

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22021 - Adderbury
Foul Water Network

Design Settings

Frequency of use (kDU)	1.00	Additional Flow (%)	0	Preferred Cover Depth (m)	1.200
Flow per dwelling per day (l/day)	4000	Minimum Velocity (m/s)	0.75	Include Intermediate Ground	✓
Domestic Flow (l/s/ha)	225.0	Connection Type	Level Soffits		
Industrial Flow (l/s/ha)	0.0	Minimum Backdrop Height (m)	0.200		

Nodes

Name	Dwellings	Cover Level (m)	Manhole Type	Depth (m)
01	13	108.290	Adoptable	1.890
03	0	107.700	Adoptable	1.900
05	11	106.851	Adoptable	1.951
07	5	106.750	Adoptable	2.050
09	0	105.996	Adoptable	1.996
11	5	105.492	Adoptable	1.992
13	2	104.087	Adoptable	1.987
15	4	104.263	Adoptable	2.863
17		104.000	Adoptable	3.000



Links

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Slope (1:X)	Dia (mm)
1.000	01	03	19.533	106.400	105.800	32.6	150
1.001	03	07	31.138	105.800	104.700	28.3	150
2.000	05	07	23.654	104.900	104.700	118.3	150
1.002	07	09	20.299	104.700	104.000	29.0	150
1.003	09	11	10.118	104.000	103.500	20.2	150
1.004	11	13	27.974	103.500	102.100	20.0	150
1.005	13	15	54.623	102.100	101.400	78.0	150
1.006	15	17	50.235	101.400	101.000	125.6	150

Name	Pro Vel @ 1/3 Q (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)	Σ Area (ha)	Σ Dwellings (ha)	Σ Units (ha)	Σ Add Inflow (ha)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	0.479	1.770	31.3	0.6	0.000	13	0.0	0.0	14	0.686
1.001	0.515	1.899	33.6	0.6	0.000	13	0.0	0.0	14	0.716
2.000	0.292	0.923	16.3	0.5	0.000	11	0.0	0.0	18	0.418
1.002	0.645	1.876	33.2	1.3	0.000	29	0.0	0.0	21	0.925
1.003	0.749	2.249	39.7	1.3	0.000	29	0.0	0.0	19	1.049
1.004	0.780	2.263	40.0	1.6	0.000	34	0.0	0.0	20	1.097
1.005	0.496	1.139	20.1	1.7	0.000	36	0.0	0.0	29	0.688
1.006	0.430	0.895	15.8	1.9	0.000	40	0.0	0.0	35	0.602