

Abley Letchford Ltd		Page 2
Avebury 2 Elcot Park Elcot Lane Marlborough SN8 2BG		HOUGHTON MAIN, BARNSELEY SURFACE WATER
Date 21/01/2014 File OUTLINE V3.MDX		Designed by SL Checked by LA
XP Solutions		Network 2014.1.1



Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	Storm	Return Climate Period	Change	First X Surchage	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
S1.013	30	Winter	100	+30%	100/15	Summer		

PN	US/MH Name	Water		Flooded		Pipe		Status
		Level (m)	Surch'd Depth (m)	Volume (m³)	Flow / Cap.	O'flow (l/s)	Flow (l/s)	
S1.000	S1	33.165	1.015	0.000	0.62	0.0	41.1	FLOOD RISK
S1.001	S2	33.156	1.256	0.000	1.01	0.0	44.1	FLOOD RISK
S1.002	S3	33.115	1.469	0.000	1.39	0.0	50.3	FLOOD RISK
S1.003	S4	32.991	1.468	0.000	1.09	0.0	73.2	SURCHARGED
S1.004	S5	32.848	1.529	0.000	1.79	0.0	117.4	SURCHARGED
S1.005	S6	32.466	1.291	0.000	2.15	0.0	142.3	SURCHARGED
S2.000	S7	33.310	1.160	0.000	1.48	0.0	55.3	FLOOD RISK
S2.001	S8	32.905	0.939	0.000	2.22	0.0	88.1	SURCHARGED
S1.006	S9	31.913	0.885	0.000	1.71	0.0	240.0	SURCHARGED
S3.000	S10	32.892	0.742	0.000	0.63	0.0	65.6	SURCHARGED
S3.001	S11	32.786	1.318	0.000	0.81	0.0	79.3	SURCHARGED
S3.002	S12	32.564	1.596	0.000	1.77	0.0	118.4	SURCHARGED
S3.003	S13	32.092	1.329	0.000	1.97	0.0	124.9	SURCHARGED
S3.004	S14	31.766	1.103	0.000	1.40	0.0	140.5	SURCHARGED
S1.007	S15	31.649	1.042	0.000	1.62	0.0	385.2	SURCHARGED
S4.000	S16	31.362	0.152	0.000	0.74	0.0	44.0	SURCHARGED
S4.001	S17	31.245	0.435	0.000	0.52	0.0	38.7	SURCHARGED
S1.008	S18	31.194	0.765	0.000	2.09	0.0	409.6	SURCHARGED
S1.009	S19	30.959	0.566	0.000	1.63	0.0	387.5	SURCHARGED
S1.010	S20	30.782	0.469	0.000	1.52	0.0	382.2	SURCHARGED
S1.011	S21	30.647	0.522	0.000	1.31	0.0	321.2	SURCHARGED
S1.012	S22	30.564	0.588	0.000	1.03	0.0	204.1	SURCHARGED
S1.013	S23	30.716	0.785	0.000	0.27	0.0	199.6	SURCHARGED



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