

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Storm Phase: D2 Design	Company: Lally Chartered Engineers		



Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
MH 2.5	Manhole	644430.287	739298.068	107.533	2.252	105.281	Circular	1.500
MH 2.8	Manhole	644399.713	739277.575	107.150	1.610	105.540	Circular	1.200
MH 2.11	Manhole	644504.434	739331.238	107.497	2.758	104.739	Circular	1.800
MH 2.9	Manhole	644427.455	739290.058	107.350	2.013	105.337	Circular	1.200
MH 2.13	Manhole	644541.789	739347.981	107.219	2.753	104.466	Circular	1.800
MH 2.15	Manhole	644579.325	739364.782	107.150	2.958	104.192	Circular	1.800
MH 2.18	Manhole	644613.816	739287.673	106.490	2.861	103.629	Circular	1.800
MH 2.20	Manhole	644618.699	739276.828	106.400	2.850	103.550	Circular	2.100
MH 2.7	Manhole	644466.704	739314.359	107.670	2.655	105.015	Circular	1.800
MH 2.1	Manhole	644369.142	739248.927	107.650	1.757	105.893	Circular	1.500
MH 2.37	Manhole	644574.047	739257.862	106.631	2.758	103.873	Circular	2.100
MH 2.43	Manhole	644629.317	739253.609	106.120	2.698	103.422	Circular	2.100
MH 2.46	Manhole	644662.979	739179.231	104.500	2.050	102.450	Circular	2.100
MH 2.61	Manhole	644700.752	739210.740	105.310	2.246	103.064	Circular	1.500
MH 2.60	Manhole	644677.471	739277.790	105.200	1.663	103.537	Circular	1.500
MH 2.59	Manhole	644665.429	739334.796	105.500	1.575	103.925	Circular	1.500
MH 2.58	Manhole	644697.909	739357.188	105.880	1.560	104.320	Circular	1.500
MH 2.49	Manhole	644586.840	739159.386	105.750	1.723	104.027	Circular	1.500
MH 2.48	Manhole	644546.878	739141.506	106.000	1.681	104.319	Circular	1.500
MH 2.40	Manhole	644599.009	739268.624	106.500	2.808	103.692	Circular	2.100
MH 2.33	Manhole	644556.949	739250.491	106.720	2.723	103.997	Circular	2.100
MH 2.25	Manhole	644413.325	739186.225	106.500	1.454	105.046	Circular	2.100
MH 2.10	Manhole	644464.120	739306.635	107.480	2.411	105.069	Circular	1.200
MH 2.3	Manhole	644390.058	739280.070	107.260	1.685	105.575	Circular	1.500
MH 2.65	Manhole	644680.441	739148.958	103.800	1.525	102.275	Circular	2.100
MH 2.21	Manhole	644462.015	739221.796	107.150	1.755	105.395	Circular	1.500
MH 2.62	Manhole	644693.996	739283.278	105.200	1.394	103.806	Circular	1.500
MH 2.63	Manhole	644712.507	739228.189	105.250	1.831	103.419	Circular	1.500
MH 2.42	Manhole	644599.728	739262.821	106.400	1.575	104.825	Circular	1.500
MH 2.22	Manhole	644480.164	739216.122	106.780	2.222	104.558	Circular	2.100
MH 2.17	Manhole	644572.318	739344.299	107.150	1.575	105.575	Circular	1.500
MH 2.6	Manhole	644426.924	739283.051	107.150	1.500	105.650	Circular	1.500
MH 2.14	Manhole	644531.550	739329.995	107.150	1.575	105.575	Circular	1.500
MH 2.50	Manhole	644572.296	739167.133	106.400	2.208	104.192	Circular	1.500
MH 2.44	Manhole	644613.018	739256.322	106.400	1.700	104.700	Circular	1.500
MH 2.57	Manhole	644637.691	739196.285	106.400	2.300	104.100	Circular	1.500
MH 2.23	Manhole	644472.157	739198.829	106.400	1.651	104.749	Circular	1.500
MH 2.38	Manhole	644574.424	739244.584	106.400	1.800	104.600	Circular	1.500
MH 2.2	Manhole	644365.161	739268.932	107.200	1.443	105.757	Circular	1.500
MH 2.66	Manhole	644690.297	739082.411	103.300	1.250	102.050	Circular	1.500
MH 2.45	Manhole	644647.470	739212.911	105.630	2.995	102.635	Circular	2.100
MH 2.16	Manhole	644589.592	739341.954	106.950	2.925	104.025	Circular	1.800
MH 2.54	Manhole	644616.418	739172.622	105.650	1.839	103.811	Circular	1.500
MH 2.56	Manhole	644646.680	739186.141	105.450	2.500	102.950	Circular	1.500
MH 2.64	Manhole	644672.718	739197.227	105.425	2.568	102.857	Circular	1.500
MH 2.28	Manhole	644418.113	739202.246	107.150	2.049	105.101	Circular	1.500
MH 2.29	Manhole	644428.364	739179.262	106.400	1.392	105.008	Circular	1.500
MH 2.31	Manhole	644528.494	739224.030	106.400	1.575	104.825	Circular	1.500
MH 2.51	Manhole	644468.070	739111.424	106.350	1.388	104.962	Circular	1.200
MH 2.4	Manhole	644388.711	739265.933	107.150	1.480	105.670	Circular	1.500
MH 2.12	Manhole	644495.489	739313.888	107.150	1.575	105.575	Circular	1.500
MH 2.47	Manhole	644532.371	739149.114	106.400	1.636	104.764	Circular	1.500
MH 2.30	Manhole	644530.169	739238.504	106.860	2.667	104.193	Circular	2.100
MH 2.27	Manhole	644434.401	739195.652	106.500	1.608	104.892	Circular	2.100
MH 2.32	Manhole	644518.332	739246.764	107.150	1.800	105.350	Circular	1.500
MH 2.39	Manhole	644564.239	739267.361	107.150	2.000	105.150	Circular	1.500
MH 2.41	Manhole	644594.303	739274.293	107.150	2.000	105.150	Circular	1.200
MH 2.19	Manhole	644600.297	739287.860	107.150	2.000	105.150	Circular	1.500

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MH 2.24	Manhole	644391.040	739196.269	107.650	2.360	105.290	Circular	1.500
MH 2.26	Manhole	644405.866	739162.770	106.900	1.608	105.292	Circular	1.500
MH 2.55	Manhole	644603.485	739181.280	106.400	2.254	104.146	Circular	1.500
MH 2.52	Manhole	644522.674	739135.798	106.050	1.487	104.563	Circular	1.200
MH 2.53	Manhole	644577.339	739160.326	105.850	1.686	104.164	Circular	1.200
MH 2.34	Manhole	644441.496	739191.878	106.380	1.425	104.955	Circular	1.500
MH 2.35	Manhole	644484.057	739210.809	106.750	2.106	104.644	Circular	1.500
MH 2.36	Manhole	644556.126	739243.180	106.400	2.283	104.117	Circular	1.500

Name	Lock	Access Required	Intersection Easting (m)	Intersection Northing (m)
MH 2.5	All	<input checked="" type="checkbox"/>	644430.287	739298.068
MH 2.8	All	<input checked="" type="checkbox"/>	644399.713	739277.575
MH 2.11	All	<input checked="" type="checkbox"/>	644504.434	739331.238
MH 2.9	All	<input checked="" type="checkbox"/>	644427.455	739290.058
MH 2.13	All	<input checked="" type="checkbox"/>	644541.789	739347.981
MH 2.15	All	<input checked="" type="checkbox"/>	644579.325	739364.782
MH 2.18	All	<input checked="" type="checkbox"/>	644613.816	739287.673
MH 2.20	All	<input checked="" type="checkbox"/>	644618.699	739276.828
MH 2.7	All	<input checked="" type="checkbox"/>	644466.704	739314.359
MH 2.1	All	<input checked="" type="checkbox"/>	644369.142	739248.927
MH 2.37	All	<input checked="" type="checkbox"/>	644574.047	739257.862
MH 2.43	All	<input checked="" type="checkbox"/>	644629.317	739253.609
MH 2.46	All	<input checked="" type="checkbox"/>	644662.979	739179.231
MH 2.61	All	<input checked="" type="checkbox"/>	644700.752	739210.740
MH 2.60	All	<input checked="" type="checkbox"/>	644677.471	739277.790
MH 2.59	All	<input checked="" type="checkbox"/>	644665.429	739334.796
MH 2.58	All	<input checked="" type="checkbox"/>	644697.909	739357.188
MH 2.49	All	<input checked="" type="checkbox"/>	644586.840	739159.386
MH 2.48	All	<input checked="" type="checkbox"/>	644546.878	739141.506
MH 2.40	All	<input checked="" type="checkbox"/>	644599.009	739268.624
MH 2.33	All	<input checked="" type="checkbox"/>	644556.949	739250.491
MH 2.25	All	<input checked="" type="checkbox"/>	644413.325	739186.225
MH 2.10	All	<input checked="" type="checkbox"/>	644464.120	739306.635
MH 2.3	All	<input checked="" type="checkbox"/>	644390.058	739280.070
MH 2.65	All	<input checked="" type="checkbox"/>	644680.441	739148.958
MH 2.21	All	<input checked="" type="checkbox"/>	644462.015	739221.796
MH 2.62	All	<input checked="" type="checkbox"/>	644693.996	739283.278
MH 2.63	All	<input checked="" type="checkbox"/>	644712.507	739228.189
MH 2.42	All	<input checked="" type="checkbox"/>	644599.728	739262.821
MH 2.22	All	<input checked="" type="checkbox"/>	644480.164	739216.122
MH 2.17	All	<input checked="" type="checkbox"/>	644572.318	739344.299
MH 2.6	All	<input checked="" type="checkbox"/>	644426.924	739283.051
MH 2.14	All	<input checked="" type="checkbox"/>	644531.550	739329.995
MH 2.50	All	<input checked="" type="checkbox"/>	644572.296	739167.133
MH 2.44	All	<input checked="" type="checkbox"/>	644613.018	739256.322
MH 2.57	All	<input checked="" type="checkbox"/>	644637.691	739196.285
MH 2.23	All	<input checked="" type="checkbox"/>	644472.157	739198.829
MH 2.38	All	<input checked="" type="checkbox"/>	644574.424	739244.584
MH 2.2	All	<input checked="" type="checkbox"/>	644365.161	739268.932
MH 2.66	All	<input type="checkbox"/>		
MH 2.45	All	<input checked="" type="checkbox"/>	644647.470	739212.911
MH 2.16	All	<input checked="" type="checkbox"/>	644589.592	739341.954
MH 2.54	All	<input checked="" type="checkbox"/>	644616.418	739172.622
MH 2.56	All	<input checked="" type="checkbox"/>	644646.680	739186.141
MH 2.64	All	<input checked="" type="checkbox"/>	644672.718	739197.227
MH 2.28	All	<input checked="" type="checkbox"/>	644418.113	739202.246
MH 2.29	All	<input checked="" type="checkbox"/>	644428.364	739179.262
MH 2.31	All	<input checked="" type="checkbox"/>	644528.494	739224.030
MH 2.51	All	<input checked="" type="checkbox"/>	644468.070	739111.424


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MH 2.4	All	<input checked="" type="checkbox"/>	644388.711	739265.933
MH 2.12	All	<input checked="" type="checkbox"/>	644495.489	739313.888
MH 2.47	All	<input checked="" type="checkbox"/>	644532.371	739149.114
MH 2.30	All	<input checked="" type="checkbox"/>	644530.169	739238.504
MH 2.27	All	<input checked="" type="checkbox"/>	644434.401	739195.652
MH 2.32	All	<input checked="" type="checkbox"/>	644518.332	739246.764
MH 2.39	All	<input checked="" type="checkbox"/>	644564.239	739267.361
MH 2.41	All	<input checked="" type="checkbox"/>	644594.303	739274.293
MH 2.19	All	<input checked="" type="checkbox"/>	644600.297	739287.860
MH 2.24	All	<input checked="" type="checkbox"/>	644391.040	739196.269
MH 2.26	All	<input checked="" type="checkbox"/>	644405.866	739162.770
MH 2.55	All	<input checked="" type="checkbox"/>	644603.485	739181.280
MH 2.52	All	<input checked="" type="checkbox"/>	644522.674	739135.798
MH 2.53	All	<input checked="" type="checkbox"/>	644577.339	739160.326
MH 2.34	All	<input checked="" type="checkbox"/>	644441.496	739191.878
MH 2.35	All	<input checked="" type="checkbox"/>	644484.057	739210.809
MH 2.36	All	<input checked="" type="checkbox"/>	644556.126	739243.180

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type		
MH 2.5	Inlet	2.1.002 CA2.004	(None)	No Restriction		
	Inlet (4)	2.3.000	(None)	No Restriction		
MH 2.8	Inlet	CA2.003	(None)	No Restriction		
MH 2.11	Inlet (1)	2.1.004 2.5.000 CA2.007	(None)	No Restriction		
		MH 2.9	Inlet (1)	2.4.000	(None)	No Restriction
MH 2.13	Inlet (1)	2.1.005 2.6.000 CA2.008	(None)	No Restriction		
		MH 2.15	Inlet Inlet (1)	CA2.009 2.1.006	(None) (None)	No Restriction No Restriction
MH 2.18	Inlet Inlet (1)			2.8.000 CA2.024	(None)	No Restriction
		MH 2.20	Inlet Inlet (1) Inlet (2)	CA2.025 2.1.009 2.9.005	(None) (None) (None)	No Restriction No Restriction No Restriction
MH 2.7	Inlet Inlet (1)			2.1.003 CA2.005 2.4.002	(None) (None)	No Restriction No Restriction
		MH 2.1	Inlet	CA2.017 CA2.016	(None)	No Restriction
MH 2.37	Inlet			2.9.003 2.18.000 2.19.000 CA2.028	(None)	No Restriction
		MH 2.43	Inlet Inlet (1) Inlet (5)	CA2.046 2.1.010 2.22.000	(None) (None) (None)	No Restriction No Restriction No Restriction
MH 2.46	Inlet Inlet (1) Inlet (3) Inlet (4)			CA2.058 2.1.012 2.28.004 2.23.004	(None) (None) (None) (None)	No Restriction No Restriction No Restriction No Restriction
				MH 2.61	Inlet Inlet (1)	CA2.060 2.28.002 2.29.001
		Inlet	CA2.063			(None)

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Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
MH 2.60	Inlet (1)	2.28.001	(None)	No Restriction
MH 2.59	Inlet	CA2.064	(None)	No Restriction
	Inlet (1)	2.28.000	(None)	No Restriction
MH 2.58	Inlet	CA2.065	(None)	No Restriction
MH 2.49	Inlet	2.25.002 CA2.055	(None)	No Restriction
	Inlet (1)	2.23.001	(None)	No Restriction
	Inlet (2)	2.24.000	(None)	No Restriction
MH 2.48	Inlet	2.23.000 CA2.054	(None)	No Restriction
MH 2.40	Inlet (1)	2.9.004	(None)	No Restriction
		2.20.000		
		2.21.000		
		CA2.026		
MH 2.33	Inlet (1)	2.9.002	(None)	No Restriction
		2.17.002		
		CA2.029		
MH 2.25	Inlet (1)	2.11.000	(None)	No Restriction
		2.12.000		
		CA2.039		
		Catchment Area (1) Catchment Area		
MH 2.10	Inlet	2.4.001	(None)	No Restriction
		CA2.006		
MH 2.3	Inlet	2.1.001	(None)	No Restriction
		2.2.000		
		CA2.002		
MH 2.65	Inlet	2.1.013	(None)	No Restriction
MH 2.21	Inlet (1)	CA2.020	(None)	No Restriction
MH 2.62	Inlet	CA2.062	(None)	No Restriction
MH 2.63	Inlet	2.29.000	(None)	No Restriction
		CA2.061		
MH 2.42	Inlet	CA2.027	(None)	No Restriction
MH 2.22	Inlet	2.11.002	(None)	No Restriction
		CA2.036		
		2.9.000		
MH 2.17	Inlet (2)	2.10.000	(None)	No Restriction
		CA2.011		
MH 2.6	Inlet	CA2.014	(None)	No Restriction
MH 2.14	Inlet	CA2.012	(None)	No Restriction
MH 2.50	Inlet (1)	CA2.050	(None)	No Restriction
MH 2.44	Inlet	CA2.045	(None)	No Restriction
MH 2.57	Inlet	CA2.048	(None)	No Restriction
MH 2.23	Inlet	CA2.042	(None)	No Restriction
MH 2.38	Inlet	CA2.044	(None)	No Restriction
MH 2.2	Inlet	2.1.000	(None)	No Restriction
		CA2.001		
MH 2.66	Inlet	2.1.015	(None)	No Restriction
MH 2.45	Inlet	2.1.011	(None)	No Restriction
		CA2.047		
MH 2.16	Inlet	2.1.007	(None)	No Restriction
		2.7.000		
		CA2.010		
MH 2.54	Inlet	2.23.002	(None)	No Restriction
		2.26.000		
	Inlet (1)	CA2.056	(None)	No Restriction

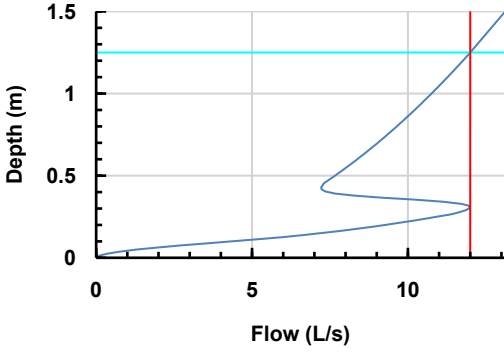
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Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
MH 2.56	Inlet	2.23.003 2.27.000 CA2.057	(None)	No Restriction
MH 2.64	Inlet	2.28.003 CA2.059	(None)	No Restriction
MH 2.28	Inlet	CA2.019	(None)	No Restriction
MH 2.29	Inlet	CA2.041	(None)	No Restriction
MH 2.31	Inlet	CA2.043	(None)	No Restriction
MH 2.51	Inlet	CA2.052	(None)	No Restriction
MH 2.4	Inlet	CA2.015	(None)	No Restriction
MH 2.12	Inlet	CA2.013	(None)	No Restriction
MH 2.47	Inlet	CA2.051	(None)	No Restriction
MH 2.30	Inlet	2.9.001 2.15.000 2.16.000 CA2.032	(None)	No Restriction
MH 2.27	Inlet	2.11.001 2.13.000 2.14.000 CA2.038	(None)	No Restriction
MH 2.32	Inlet	CA2.021	(None)	No Restriction
MH 2.39	Inlet	CA2.022	(None)	No Restriction
MH 2.41	Inlet	CA2.066	(None)	No Restriction
MH 2.19	Inlet	CA2.023	(None)	No Restriction
MH 2.24	Inlet	CA2.018 CA2.068	(None)	No Restriction
MH 2.26	Inlet	CA2.040 CA2.067	(None)	No Restriction
MH 2.55	Inlet	CA2.049	(None)	No Restriction
MH 2.52	Inlet	2.25.000	(None)	No Restriction
MH 2.53	Inlet	2.25.001 CA2.053	(None)	No Restriction
MH 2.34	Inlet	CA2.035	(None)	No Restriction
MH 2.35	Inlet	2.17.000 CA2.034 CA2.037	(None)	No Restriction
MH 2.36	Inlet	2.17.001 CA2.031 CA2.030	(None)	No Restriction

Outlets


Junction	Outlet Name	Outgoing Connection	Outlet Type
MH 2.5	Outlet	2.1.003	Free Discharge
MH 2.8	Outlet	2.4.000	Free Discharge
MH 2.11	Outlet	2.1.005	Free Discharge
MH 2.9	Outlet	2.4.001	Free Discharge
MH 2.13	Outlet	2.1.006	Free Discharge
MH 2.15	Outlet	2.1.007	Free Discharge
MH 2.18	Outlet	2.1.009	Free Discharge
MH 2.20	Outlet	2.1.010	Free Discharge
MH 2.7	Outlet	2.1.004	Free Discharge
MH 2.1	Outlet	2.1.000	Free Discharge
MH 2.37	Outlet	2.9.004	Free Discharge
MH 2.43	Outlet	2.1.011	Free Discharge
MH 2.46	Outlet	2.1.013	Free Discharge
MH 2.61	Outlet	2.28.003	Free Discharge
MH 2.60	Outlet	2.28.002	Free Discharge
MH 2.59	Outlet	2.28.001	Free Discharge
MH 2.58	Outlet	2.28.000	Free Discharge
MH 2.49	Outlet	2.23.002	Free Discharge
MH 2.48	Outlet	2.23.001	Free Discharge

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Junction	Outlet Name	Outgoing Connection	Outlet Type	
MH 2.40	Outlet	2.9.005	Free Discharge	
MH 2.33	Outlet	2.9.003	Free Discharge	
MH 2.25	Outlet	2.11.001	Free Discharge	
MH 2.10	Outlet	2.4.002	Free Discharge	
MH 2.3	Outlet	2.1.002	Free Discharge	
MH 2.65	Outlet	2.1.014	Free Discharge	
MH 2.21	Outlet	2.9.000	Free Discharge	
MH 2.62	Outlet	2.29.000	Free Discharge	
MH 2.63	Outlet	2.29.001	Free Discharge	
MH 2.42	Outlet	2.21.000	Free Discharge	
MH 2.22	Outlet	2.9.001	Free Discharge	
MH 2.17	Outlet	2.7.000	Free Discharge	
MH 2.6	Outlet	2.3.000	Free Discharge	
MH 2.14	Outlet	2.6.000	Free Discharge	
MH 2.50	Outlet	2.24.000	Free Discharge	
MH 2.44	Outlet	2.22.000	Free Discharge	
MH 2.57	Outlet	2.27.000	Free Discharge	
MH 2.23	Outlet	2.10.000	Free Discharge	
MH 2.38	Outlet	2.18.000	Free Discharge	
MH 2.2	Outlet	2.1.001	Free Discharge	
MH 2.66	Outlet	(None)	Hydro-Brake®	
	Invert Level (m)		102.050	
	Design Depth (m)		1.250	
	Design Flow (L/s)		12.0	
	Objective	Minimise Upstream Storage Requirements		
	Application	Surface Water Only		
	Sump Available	<input type="checkbox"/>		
	Unit Reference	CHE-0146-1200-1250-1200		
				
	MH 2.45	Outlet	2.1.012	Free Discharge
MH 2.16	Outlet	2.1.008	Free Discharge	
MH 2.54	Outlet	2.23.003	Free Discharge	
MH 2.56	Outlet	2.23.004	Free Discharge	
MH 2.64	Outlet	2.28.004	Free Discharge	
MH 2.28	Outlet	2.13.000	Free Discharge	
MH 2.29	Outlet	2.14.000	Free Discharge	
MH 2.31	Outlet	2.15.000	Free Discharge	
MH 2.51	Outlet	2.25.000	Free Discharge	
MH 2.4	Outlet	2.2.000	Free Discharge	
MH 2.12	Outlet	2.5.000	Free Discharge	
MH 2.47	Outlet	2.23.000	Free Discharge	
MH 2.30	Outlet	2.9.002	Free Discharge	
MH 2.27	Outlet	2.11.002	Free Discharge	
MH 2.32	Outlet	2.16.000	Free Discharge	
MH 2.39	Outlet	2.19.000	Free Discharge	
MH 2.41	Outlet	2.20.000	Free Discharge	
MH 2.19	Outlet	2.8.000	Free Discharge	
MH 2.24	Outlet	2.11.000	Free Discharge	
MH 2.26	Outlet	2.12.000	Free Discharge	
MH 2.55	Outlet	2.26.000	Free Discharge	

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Storm Phase: D2 Design	Company: Lally Chartered Engineers			

Junction	Outlet Name	Outgoing Connection	Outlet Type
MH 2.52	Outlet	2.25.001	Free Discharge
MH 2.53	Outlet	2.25.002	Free Discharge
MH 2.34	Outlet	2.17.000	Free Discharge
MH 2.35	Outlet	2.17.001	Free Discharge
MH 2.36	Outlet	2.17.002	Free Discharge

Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Stormwater Controls Storm Phase: D2 Design	Company: Lally Chartered Engineers			



Pond

Type : Pond

Dimensions

Exceedance Level (m)	103.500
Depth (m)	1.700
Base Level (m)	101.800
Freeboard (mm)	300
Initial Depth (m)	0.300
Porosity (%)	100
Average Slope (1:X)	4.00
Total Volume (m³)	3117.266

Depth (m)	Area (m²)	Volume (m³)
0.000	1775.54	0.000
1.700	2936.53	3964.101

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	2.1.014
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	2.1.015
Outlet Type	Free Discharge


Advanced

Perimeter	Circular
Length (m)	69.974
Friction Scheme	Manning's n
n	0.03

Project: ADMIRAL	Date: 09/03/2026		
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Report Details: Type: Connections Storm Phase: D2 Design	Company: Lally Chartered Engineers		



Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)	Downstream Cover Level (m)
2.1.003	39.895	Pipe	150.000	0.011	300	107.533	105.281	107.670
2.1.005	40.936	Pipe	150.000	0.011	375	107.497	104.739	107.219
2.1.006	41.124	Pipe	150.000	0.011	375	107.219	104.466	107.150
2.4.000	30.421	Pipe	150.000	0.011	225	107.150	105.540	107.350
2.4.001	40.239	Pipe	150.000	0.011	225	107.350	105.337	107.480
2.1.009	11.893	Pipe	150.000	0.011	375	106.490	103.629	106.400
2.9.003	18.620	Pipe	150.000	0.011	525	106.720	103.997	106.631
2.9.005	21.330	Pipe	150.000	0.011	525	106.500	103.692	106.400
2.1.010	25.532	Pipe	200.000	0.011	600	106.400	103.550	106.120
2.9.002	29.340	Pipe	150.000	0.011	525	106.860	104.193	106.720
2.12.000	24.613	Pipe	100.000	0.011	300	106.900	105.292	106.500
2.11.000	24.444	Pipe	100.000	0.011	300	107.650	105.290	106.500
2.28.000	39.450	Pipe	100.000	0.011	225	105.880	104.320	105.500
2.28.001	58.264	Pipe	150.000	0.011	300	105.500	103.925	105.200
2.28.002	70.976	Pipe	150.000	0.011	300	105.200	103.537	105.310
2.1.013	34.948	Pipe	200.000	0.011	675	104.500	102.450	103.800
2.23.001	43.780	Pipe	150.000	0.011	375	106.000	104.319	105.750
2.11.001	23.088	Pipe	150.000	0.011	525	106.500	105.046	106.500
2.9.001	54.785	Pipe	150.000	0.011	525	106.780	104.558	106.860
2.9.000	19.015	Pipe	100.000	0.011	300	107.150	105.395	106.780
2.1.002	44.072	Pipe	150.000	0.011	300	107.260	105.575	107.533
2.9.004	27.183	Pipe	150.000	0.011	525	106.631	103.873	106.500
2.1.000	20.397	Pipe	150.000	0.011	300	107.650	105.893	107.200
2.3.000	15.389	Pipe	150.000	0.011	300	107.150	105.650	107.533
2.6.000	20.697	Pipe	150.000	0.011	300	107.150	105.575	107.219
2.24.000	16.478	Pipe	100.000	0.011	300	106.400	104.192	105.750
2.22.000	16.523	Pipe	100.000	0.011	300	106.400	104.700	106.120
2.10.000	19.057	Pipe	100.000	0.011	300	106.400	104.749	106.780
2.18.000	13.284	Pipe	150.000	0.011	300	106.400	104.600	106.631
2.1.001	27.274	Pipe	150.000	0.011	300	107.200	105.757	107.260
2.1.011	44.563	Pipe	200.000	0.011	600	106.120	103.422	105.630
2.1.012	37.080	Pipe	200.000	0.011	600	105.630	102.635	104.500
2.27.000	13.553	Pipe	75.000	0.011	300	106.400	104.100	105.450
2.11.002	50.133	Pipe	150.000	0.011	525	106.500	104.892	106.780
2.1.007	25.030	Pipe	150.000	0.011	375	107.150	104.192	106.950
2.1.008	59.442	Pipe	150.000	0.011	375	106.950	104.025	106.490
2.7.000	17.432	Pipe	150.000	0.011	225	107.150	105.575	106.950
2.4.002	8.145	Pipe	150.000	0.011	225	107.480	105.069	107.670
2.23.002	32.404	Pipe	150.000	0.011	375	105.750	104.027	105.650
2.23.003	33.145	Pipe	150.000	0.011	375	105.650	103.811	105.450
2.23.004	17.703	Pipe	150.000	0.011	375	105.450	102.950	104.500
2.28.003	31.120	Pipe	150.000	0.011	300	105.310	103.064	105.425
2.28.004	20.463	Pipe	150.000	0.011	300	105.425	102.857	104.500
2.1.014	17.044	Pipe	200.000	0.011	675	103.800	102.275	103.500
2.13.000	17.572	Pipe	100.000	0.011	300	107.150	105.101	106.500
2.14.000	17.467	Pipe	150.000	0.011	300	106.400	105.008	106.500
2.15.000	14.571	Pipe	150.000	0.011	300	106.400	104.825	106.860
2.1.004	41.333	Pipe	150.000	0.011	375	107.670	105.015	107.497
2.2.000	14.201	Pipe	150.000	0.011	300	107.150	105.670	107.260
2.5.000	19.520	Pipe	150.000	0.011	300	107.150	105.575	107.497
2.23.000	16.380	Pipe	100.000	0.011	300	106.400	104.764	106.000
2.1.015	15.576	Pipe	311.525	0.011	225	103.500	102.100	103.300
2.16.000	14.434	Pipe	100.000	0.011	300	107.150	105.350	106.860
2.19.000	13.654	Pipe	100.000	0.011	300	107.150	105.150	106.631
2.20.000	7.368	Pipe	100.000	0.011	225	107.150	105.150	106.500
2.21.000	5.847	Pipe	100.000	0.011	225	106.400	104.825	106.500
2.8.000	13.520	Pipe	75.000	0.011	300	107.150	105.150	106.490

Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Connections Storm Phase: D2 Design	Company: Lally Chartered Engineers			

2.26.000	15.564	Pipe	100.000	0.011	300	106.400	104.146	105.650
2.29.000	58.116	Pipe	150.000	0.011	225	105.200	103.806	105.250
2.29.001	21.039	Pipe	150.000	0.011	225	105.250	103.419	105.310
2.25.000	59.797	Pipe	150.000	0.011	225	106.350	104.962	106.050
2.25.001	59.915	Pipe	150.000	0.011	225	106.050	104.563	105.850
2.25.002	9.548	Pipe	150.000	0.011	225	105.850	104.164	105.750
2.17.000	46.581	Pipe	150.000	0.011	225	106.380	104.955	106.750
2.17.001	79.005	Pipe	150.000	0.011	225	106.750	104.644	106.400
2.17.002	7.357	Pipe	150.000	0.011	225	106.400	104.117	106.720


Name	Downstream Invert Level (m)	Part Family	Lock	Culvert Type	Culvert Entrance	Wall Thickness (mm)	Material	Trench Width (mm)
2.1.003	105.015		All	(None)	(None)	0		0
2.1.005	104.466		All	(None)	(None)	0		0
2.1.006	104.192		All	(None)	(None)	0		0
2.4.000	105.337		All	(None)	(None)	0		0
2.4.001	105.069		All	(None)	(None)	0		0
2.1.009	103.550		All	(None)	(None)	0		0
2.9.003	103.873		All	(None)	(None)	0		0
2.9.005	103.550		All	(None)	(None)	0		0
2.1.010	103.422		All	(None)	(None)	0		0
2.9.002	103.997		All	(None)	(None)	0		0
2.12.000	105.046		All	(None)	(None)	0		0
2.11.000	105.046		All	(None)	(None)	0		0
2.28.000	103.925		All	(None)	(None)	0		0
2.28.001	103.537		All	(None)	(None)	0		0
2.28.002	103.064		All	(None)	(None)	0		0
2.1.013	102.275		All	(None)	(None)	0		0
2.23.001	104.027		All	(None)	(None)	0		0
2.11.001	104.892		All	(None)	(None)	0		0
2.9.001	104.193		All	(None)	(None)	0		0
2.9.000	105.205		All	(None)	(None)	0		0
2.1.002	105.281		All	(None)	(None)	0		0
2.9.004	103.692		All	(None)	(None)	0		0
2.1.000	105.757		All	(None)	(None)	0		0
2.3.000	105.547		All	(None)	(None)	0		0
2.6.000	105.437		All	(None)	(None)	0		0
2.24.000	104.027		All	(None)	(None)	0		0
2.22.000	104.535		All	(None)	(None)	0		0
2.10.000	104.558		All	(None)	(None)	0		0
2.18.000	104.511		All	(None)	(None)	0		0
2.1.001	105.575		All	(None)	(None)	0		0
2.1.011	103.199		All	(None)	(None)	0		0
2.1.012	102.450		All	(None)	(None)	0		0
2.27.000	103.919		All	(None)	(None)	0		0
2.11.002	104.558		All	(None)	(None)	0		0
2.1.007	104.025		All	(None)	(None)	0		0
2.1.008	103.629		All	(None)	(None)	0		0
2.7.000	105.459		All	(None)	(None)	0		0
2.4.002	105.015		All	(None)	(None)	0		0
2.23.002	103.811		All	(None)	(None)	0		0
2.23.003	103.590		All	(None)	(None)	0		0
2.23.004	102.832		All	(None)	(None)	0		0
2.28.003	102.857		All	(None)	(None)	0		0
2.28.004	102.721		All	(None)	(None)	0		0
2.1.014	102.190		All	(None)	(None)	0		0
2.13.000	104.925		All	(None)	(None)	0		0
2.14.000	104.892		All	(None)	(None)	0		0
2.15.000	104.728		All	(None)	(None)	0		0
2.1.004	104.739		All	(None)	(None)	0		0

Project: ADMIRAL	Date: 09/03/2026		
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Report Details: Type: Connections Storm Phase: D2 Design	Company: Lally Chartered Engineers		




2.2.000	105.575	All	(None)	(None)	0	0
2.5.000	105.445	All	(None)	(None)	0	0
2.23.000	104.600	All	(None)	(None)	0	0
2.1.015	102.050	All	(None)	(None)	0	0
2.16.000	105.206	All	(None)	(None)	0	0
2.19.000	105.013	All	(None)	(None)	0	0
2.20.000	105.076	All	(None)	(None)	0	0
2.21.000	104.767	All	(None)	(None)	0	0
2.8.000	104.970	All	(None)	(None)	0	0
2.26.000	103.990	All	(None)	(None)	0	0
2.29.000	103.419	All	(None)	(None)	0	0
2.29.001	103.279	All	(None)	(None)	0	0
2.25.000	104.563	All	(None)	(None)	0	0
2.25.001	104.164	All	(None)	(None)	0	0
2.25.002	104.100	All	(None)	(None)	0	0
2.17.000	104.644	All	(None)	(None)	0	0
2.17.001	104.117	All	(None)	(None)	0	0
2.17.002	104.068	All	(None)	(None)	0	0


Name	Bedding Material	Surrounding Material
2.1.003		
2.1.005		
2.1.006		
2.4.000		
2.4.001		
2.1.009		
2.9.003		
2.9.005		
2.1.010		
2.9.002		
2.12.000		
2.11.000		
2.28.000		
2.28.001		
2.28.002		
2.1.013		
2.23.001		
2.11.001		
2.9.001		
2.9.000		
2.1.002		
2.9.004		
2.1.000		
2.3.000		
2.6.000		
2.24.000		
2.22.000		
2.10.000		
2.18.000		
2.1.001		
2.1.011		
2.1.012		
2.27.000		
2.11.002		
2.1.007		
2.1.008		
2.7.000		
2.4.002		
2.23.002		
2.23.003		

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2.23.004			
2.28.003			
2.28.004			
2.1.014			
2.13.000			
2.14.000			
2.15.000			
2.1.004			
2.2.000			
2.5.000			
2.23.000			
2.1.015			
2.16.000			
2.19.000			
2.20.000			
2.21.000			
2.8.000			
2.26.000			
2.29.000			
2.29.001			
2.25.000			
2.25.001			
2.25.002			
2.17.000			
2.17.001			
2.17.002			

Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Inflow Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers			


Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
CA2.001	MH 2.2		Time of Concentration	0.039	100	0	100	0.039
CA2.002	MH 2.3		Time of Concentration	0.036	100	0	100	0.036
CA2.003	MH 2.8		Time of Concentration	0.046	100	0	100	0.046
CA2.004	MH 2.5		Time of Concentration	0.015	100	0	100	0.015
CA2.005	MH 2.7		Time of Concentration	0.017	100	0	100	0.017
CA2.006	MH 2.10		Time of Concentration	0.032	100	0	100	0.032
CA2.007	MH 2.11		Time of Concentration	0.029	100	0	100	0.029
CA2.008	MH 2.13		Time of Concentration	0.029	100	0	100	0.029
CA2.009	MH 2.15		Time of Concentration	0.032	100	0	100	0.032
CA2.010	MH 2.16		Time of Concentration	0.018	100	0	100	0.018
CA2.011	MH 2.17		Time of Concentration	0.139	100	0	100	0.139
CA2.012	MH 2.14		Time of Concentration	0.132	100	0	100	0.132
CA2.013	MH 2.12		Time of Concentration	0.133	100	0	100	0.133
CA2.014	MH 2.6		Time of Concentration	0.134	100	0	100	0.134
CA2.015	MH 2.4		Time of Concentration	0.134	100	0	100	0.134
CA2.016	MH 2.1		Time of Concentration	0.047	100	0	100	0.047
CA2.017	MH 2.1		Time of Concentration	0.010	100	0	100	0.010
CA2.018	MH 2.24		Time of Concentration	0.078	100	0	100	0.078
CA2.019	MH 2.28		Time of Concentration	0.136	100	0	100	0.136
CA2.020	MH 2.21		Time of Concentration	0.135	100	0	100	0.135
CA2.021	MH 2.32		Time of Concentration	0.135	100	0	100	0.135
CA2.022	MH 2.39		Time of Concentration	0.134	100	0	100	0.134
CA2.023	MH 2.19		Time of Concentration	0.144	100	0	100	0.144
CA2.024	MH 2.18		Time of Concentration	0.042	100	0	100	0.042
CA2.025	MH 2.20		Time of Concentration	0.031	100	0	100	0.031
CA2.026	MH 2.40		Time of Concentration	0.025	100	0	100	0.025
CA2.027	MH 2.42		Time of Concentration	0.014	100	0	100	0.014
CA2.028	MH 2.37		Time of Concentration	0.017	100	0	100	0.017
CA2.029	MH 2.33		Time of Concentration	0.035	100	0	100	0.035
CA2.030	MH 2.36		Time of Concentration	0.021	100	0	100	0.021
CA2.031	MH 2.36		Time of Concentration	0.038	100	0	100	0.038
CA2.032	MH 2.30		Time of Concentration	0.038	100	0	100	0.038
CA2.034	MH 2.35		Time of Concentration	0.037	100	0	100	0.037

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Report Details: Type: Inflow Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers			

CA2.035	MH 2.34		Time of Concentration	0.029	100	0	100	0.029
CA2.036	MH 2.22		Time of Concentration	0.030	100	0	100	0.030
CA2.037	MH 2.35		Time of Concentration	0.030	100	0	100	0.030
CA2.038	MH 2.27		Time of Concentration	0.016	100	0	100	0.016
CA2.039	MH 2.25		Time of Concentration	0.029	100	0	100	0.029
CA2.040	MH 2.26		Time of Concentration	0.078	100	0	100	0.078
CA2.041	MH 2.29		Time of Concentration	0.134	100	0	100	0.134
CA2.042	MH 2.23		Time of Concentration	0.133	100	0	100	0.133
CA2.043	MH 2.31		Time of Concentration	0.134	100	0	100	0.134
CA2.044	MH 2.38		Time of Concentration	0.133	100	0	100	0.133
CA2.045	MH 2.44		Time of Concentration	0.141	100	0	100	0.141
CA2.046	MH 2.43		Time of Concentration	0.020	100	0	100	0.020
CA2.047	MH 2.45		Time of Concentration	0.040	100	0	100	0.040
CA2.048	MH 2.57		Time of Concentration	0.142	100	0	100	0.142
CA2.049	MH 2.55		Time of Concentration	0.134	100	0	100	0.134
CA2.050	MH 2.50		Time of Concentration	0.134	100	0	100	0.134
CA2.051	MH 2.47		Time of Concentration	0.136	100	0	100	0.136
CA2.052	MH 2.51		Time of Concentration	0.068	100	0	100	0.068
CA2.053	MH 2.53		Time of Concentration	0.040	100	0	100	0.040
CA2.054	MH 2.48		Time of Concentration	0.024	100	0	100	0.024
CA2.055	MH 2.49		Time of Concentration	0.026	100	0	100	0.026
CA2.056	MH 2.54		Time of Concentration	0.029	100	0	100	0.029
CA2.057	MH 2.56		Time of Concentration	0.032	100	0	100	0.032
CA2.058	MH 2.46		Time of Concentration	0.053	100	0	100	0.053
CA2.059	MH 2.64		Time of Concentration	0.035	100	0	100	0.035
CA2.060	MH 2.61		Time of Concentration	0.100	100	0	100	0.100
CA2.061	MH 2.63		Time of Concentration	0.091	100	0	100	0.091
CA2.062	MH 2.62		Time of Concentration	0.029	100	0	100	0.029
CA2.063	MH 2.60		Time of Concentration	0.067	100	0	100	0.067
CA2.064	MH 2.59		Time of Concentration	0.047	100	0	100	0.047
CA2.065	MH 2.58		Time of Concentration	0.033	100	0	100	0.033
CA2.066	MH 2.41		Time of Concentration	0.013	100	0	100	0.013
CA2.067	MH 2.26		Time of Concentration	0.024	100	0	100	0.024
CA2.068	MH 2.24		Time of Concentration	0.023	100	0	100	0.023
Catchment Area	MH 2.25		Time of Concentration	0.010	100	0	100	0.010


Project: ADMIRAL		Date: 09/03/2026				
Report Details: Type: Inflow Summary Storm Phase: D2 Design		Designed by: TG & JH	Checked by: DML	Approved By: DML		
		Company: Lally Chartered Engineers				

Catchment Area (1)	MH 2.25		Time of Concentration	0.012	100	0	100	0.012
TOTAL		0.0		4.333				4.333

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Outfall Details Storm Phase: D2 Design	Company: Lally Chartered Engineers			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
MH 2.66	Free Discharge			

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Title: Rainfall Analysis Criteria	Company: Lally Chartered Engineers			

Runoff Type	Dynamic
Output Interval (mins)	1
Time Step	Reduced
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	<input type="checkbox"/>

Rainfall

FSR Type: FSR

Region	Scotland And Ireland
M5-60 (mm)	15.1
Ratio R	0.350
Summer	<input checked="" type="checkbox"/>
Winter	<input checked="" type="checkbox"/>

Return Period

Return Period (years)	Increase Rainfall (%)
1.0	0.000
30.0	0.000
100.0	20.000
10.0	0.000

Storm Durations


Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		




FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
MH 2.5	FSR: 1 years: +0 %: 15 mins: Summer	107.5 33	105.2 81	105.43 2	0.151	43.6	0.267	0.000	43.4	19.158	OK
MH 2.8	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.5 40	105.59 2	0.052	4.9	0.059	0.000	4.8	2.122	OK
MH 2.11	FSR: 1 years: +0 %: 15 mins: Summer	107.4 97	104.7 39	104.91 4	0.175	67.1	0.446	0.000	67.9	30.785	OK
MH 2.9	FSR: 1 years: +0 %: 15 mins: Summer	107.3 50	105.3 37	105.38 7	0.050	4.8	0.057	0.000	4.7	2.105	OK
MH 2.13	FSR: 1 years: +0 %: 15 mins: Summer	107.2 19	104.4 66	104.66 3	0.197	82.4	0.503	0.000	82.5	38.081	OK
MH 2.15	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	104.1 92	104.39 8	0.206	85.2	0.524	0.000	83.7	39.380	OK
MH 2.18	FSR: 1 years: +0 %: 15 mins: Summer	106.4 90	103.6 29	103.96 2	0.333	111.7	0.849	0.000	109.8	54.850	OK
MH 2.20	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	103.5 50	103.91 1	0.361	270.6	1.250	0.000	272.5	132.230	OK
MH 2.7	FSR: 1 years: +0 %: 15 mins: Summer	107.6 70	105.0 15	105.16 5	0.150	52.4	0.380	0.000	52.4	23.428	OK
MH 2.1	FSR: 1 years: +0 %: 15 mins: Summer	107.6 50	105.8 93	105.94 5	0.052	6.2	0.093	0.000	6.1	2.677	OK
MH 2.37	FSR: 1 years: +0 %: 15 mins: Summer	106.6 31	103.8 73	104.13 5	0.262	160.0	0.906	0.000	160.4	74.098	OK
MH 2.43	FSR: 1 years: +0 %: 15 mins: Summer	106.1 20	103.4 22	103.77 0	0.348	282.5	1.204	0.000	284.6	138.954	OK
MH 2.46	FSR: 1 years: +0 %: 15 mins: Summer	104.5 00	102.4 50	102.86 8	0.418	389.9	1.448	0.000	390.2	195.719	OK
MH 2.61	FSR: 1 years: +0 %: 15 mins: Summer	105.3 10	103.0 64	103.19 9	0.135	36.5	0.239	0.000	35.6	16.789	OK
MH 2.60	FSR: 1 years: +0 %: 15 mins: Summer	105.2 00	103.5 37	103.61 6	0.079	15.1	0.140	0.000	14.2	6.737	OK
MH 2.59	FSR: 1 years: +0 %: 15 mins: Summer	105.5 00	103.9 25	103.98 5	0.060	8.5	0.106	0.000	8.2	3.704	OK
MH 2.58	FSR: 1 years: +0 %: 15 mins: Summer	105.8 80	104.3 20	104.35 9	0.039	3.5	0.069	0.000	3.4	1.530	OK
MH 2.49	FSR: 1 years: +0 %: 15 mins: Summer	105.7 50	104.0 27	104.16 4	0.137	43.4	0.241	0.000	42.8	19.697	OK
MH 2.48	FSR: 1 years: +0 %: 15 mins: Summer	106.0 00	104.3 19	104.39 9	0.080	17.0	0.141	0.000	16.8	7.441	OK
MH 2.40	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	103.6 92	103.97 7	0.285	165.0	0.989	0.000	162.8	76.274	OK
MH 2.33	FSR: 1 years: +0 %: 15 mins: Summer	106.7 20	103.9 97	104.24 2	0.245	133.7	0.849	0.000	134.6	61.114	OK
MH 2.25	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	105.0 46	105.13 7	0.091	26.8	0.315	0.000	26.6	11.692	OK
MH 2.10	FSR: 1 years: +0 %: 15 mins: Summer	107.4 80	105.0 69	105.17 3	0.104	8.0	0.117	0.000	7.7	3.582	OK
MH 2.3	FSR: 1 years: +0 %: 15 mins: Summer	107.2 60	105.5 75	105.68 8	0.113	28.0	0.200	0.000	28.1	12.309	OK
MH 2.65	FSR: 1 years: +0 %: 15 mins: Summer	103.8 00	102.2 75	102.68 4	0.409	390.2	1.417	0.000	386.7	194.936	OK
MH 2.21	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.3 95	105.47 0	0.075	14.4	0.132	0.000	14.2	6.251	OK
MH 2.62	FSR: 1 years: +0 %: 15 mins: Summer	105.2 00	103.8 06	103.84 6	0.040	3.0	0.070	0.000	2.9	1.312	OK
MH 2.63	FSR: 1 years: +0 %: 15 mins: Summer	105.2 50	103.4 19	103.50 4	0.085	12.5	0.150	0.000	12.1	5.478	OK
MH 2.42	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.8 25	104.85 1	0.026	1.5	0.047	0.000	1.4	0.628	OK
MH 2.22	FSR: 1 years: +0 %: 15 mins: Summer	106.7 80	104.5 58	104.72 8	0.170	87.6	0.589	0.000	86.7	38.507	OK

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers			

MH 2.17	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.5 75	105.67 0	0.095	14.9	0.168	0.000	14.6	6.445	OK
MH 2.6	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.6 50	105.73 3	0.083	14.3	0.147	0.000	14.1	6.181	OK
MH 2.14	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.5 75	105.65 7	0.082	14.1	0.144	0.000	13.8	6.099	OK
MH 2.50	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.1 92	104.26 3	0.071	14.3	0.126	0.000	14.2	6.228	OK
MH 2.44	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.7 00	104.77 7	0.077	15.0	0.136	0.000	14.8	6.511	OK
MH 2.57	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.1 00	104.17 2	0.072	15.1	0.128	0.000	15.0	6.566	OK
MH 2.23	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.7 49	104.82 0	0.071	14.2	0.126	0.000	14.1	6.164	OK
MH 2.38	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.6 00	104.68 3	0.083	14.2	0.147	0.000	14.0	6.142	OK
MH 2.2	FSR: 1 years: +0 %: 15 mins: Summer	107.2 00	105.7 57	105.82 4	0.067	10.3	0.118	0.000	10.1	4.476	OK
MH 2.66	FSR: 1 years: +0 %: 960 mins: Summer	103.3 00	102.0 50	102.33 2	0.282	11.7	0.499	0.000	11.7	730.136	OK
MH 2.45	FSR: 1 years: +0 %: 15 mins: Summer	105.6 30	102.6 35	103.01 5	0.380	286.7	1.318	0.000	285.8	140.431	OK
MH 2.16	FSR: 1 years: +0 %: 15 mins: Summer	106.9 50	104.0 25	104.22 7	0.202	97.9	0.514	0.000	95.8	46.419	OK
MH 2.54	FSR: 1 years: +0 %: 15 mins: Summer	105.6 50	103.8 11	103.97 2	0.161	59.7	0.285	0.000	58.7	27.142	OK
MH 2.56	FSR: 1 years: +0 %: 15 mins: Summer	105.4 50	102.9 50	103.14 3	0.193	76.1	0.342	0.000	75.3	35.135	OK
MH 2.64	FSR: 1 years: +0 %: 15 mins: Summer	105.4 25	102.8 57	103.00 2	0.145	38.6	0.256	0.000	38.9	18.197	OK
MH 2.28	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.1 01	105.17 6	0.075	14.6	0.132	0.000	14.4	6.255	OK
MH 2.29	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	105.0 08	105.08 7	0.079	14.3	0.140	0.000	14.2	6.219	OK
MH 2.31	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.8 25	104.90 8	0.083	14.3	0.148	0.000	14.1	6.207	OK
MH 2.51	FSR: 1 years: +0 %: 15 mins: Summer	106.3 50	104.9 62	105.02 5	0.063	7.2	0.072	0.000	7.1	3.139	OK
MH 2.4	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.6 70	105.75 3	0.083	14.3	0.147	0.000	14.2	6.195	OK
MH 2.12	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.5 75	105.65 7	0.082	14.2	0.145	0.000	13.9	6.145	OK
MH 2.47	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.7 64	104.84 0	0.076	14.6	0.133	0.000	14.4	6.310	OK
MH 2.30	FSR: 1 years: +0 %: 15 mins: Summer	106.8 60	104.1 93	104.40 6	0.213	118.5	0.738	0.000	116.5	52.565	OK
MH 2.27	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	104.8 92	105.02 6	0.134	56.3	0.465	0.000	56.8	24.887	OK
MH 2.32	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.3 50	105.42 5	0.075	14.4	0.133	0.000	14.2	6.226	OK
MH 2.39	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.1 50	105.22 5	0.075	14.3	0.133	0.000	14.2	6.212	OK
MH 2.41	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.1 50	105.17 6	0.026	1.4	0.029	0.000	1.4	0.623	OK
MH 2.19	FSR: 1 years: +0 %: 15 mins: Summer	107.1 50	105.1 50	105.22 3	0.073	15.4	0.129	0.000	15.2	6.665	OK
MH 2.24	FSR: 1 years: +0 %: 15 mins: Summer	107.6 50	105.2 90	105.35 2	0.062	10.7	0.109	0.000	10.6	4.664	OK
MH 2.26	FSR: 1 years: +0 %: 15 mins: Summer	106.9 00	105.2 92	105.35 4	0.062	10.9	0.110	0.000	10.8	4.741	OK
MH 2.55	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.1 46	104.22 1	0.075	14.3	0.133	0.000	14.1	6.209	OK
MH 2.52	FSR: 1 years: +0 %: 15 mins: Summer	106.0 50	104.5 63	104.62 3	0.060	7.1	0.068	0.000	6.7	3.088	OK
MH 2.53	FSR: 1 years: +0 %: 15 mins: Summer	105.8 50	104.1 64	104.24 4	0.080	10.7	0.090	0.000	10.4	4.903	OK
MH 2.34	FSR: 1 years: +0 %: 15 mins: Summer	106.3 80	104.9 55	104.99 5	0.040	3.1	0.071	0.000	3.0	1.359	OK
MH 2.35	FSR: 1 years: +0 %: 15 mins: Summer	106.7 50	104.6 44	104.71 6	0.072	10.1	0.127	0.000	9.6	4.434	OK

Project: ADMIRAL		Date: 09/03/2026						
Report Details: Type: Junctions Summary Storm Phase: D2 Design		Designed by: TG & JH	Checked by: DML	Approved By: DML				
		Company: Lally Chartered Engineers						

MH 2.36	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	104.1 17	104.25 1	0.134	15.6	0.237	0.000	14.6	7.104	OK
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Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
MH 2.5	FSR: 30 years: +0 %: 15 mins: Summer	107.5 33	105.2 81	105.61 0	0.329	96.3	0.581	0.000	94.8	42.453	Surcharged
MH 2.8	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.5 40	105.61 9	0.079	10.9	0.089	0.000	10.7	4.712	OK
MH 2.11	FSR: 30 years: +0 %: 15 mins: Summer	107.4 97	104.7 39	105.35 2	0.613	158.3	1.559	0.000	126.2	68.754	Surcharged
MH 2.9	FSR: 30 years: +0 %: 15 mins: Summer	107.3 50	105.3 37	105.45 3	0.116	10.7	0.131	0.000	14.3	4.710	OK
MH 2.13	FSR: 30 years: +0 %: 15 mins: Summer	107.2 19	104.4 66	105.21 5	0.749	163.9	1.905	0.000	147.1	85.094	Surcharged
MH 2.15	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	104.1 92	105.01 3	0.821	154.6	2.088	0.000	143.6	88.376	Surcharged
MH 2.18	FSR: 30 years: +0 %: 15 mins: Summer	106.4 90	103.6 29	104.44 2	0.813	202.0	2.069	0.000	199.1	123.270	Surcharged
MH 2.20	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	103.5 50	104.25 3	0.703	520.6	2.435	0.000	519.8	296.566	Surcharged
MH 2.7	FSR: 30 years: +0 %: 15 mins: Summer	107.6 70	105.0 15	105.43 7	0.422	116.3	1.074	0.000	121.2	52.416	Surcharged
MH 2.1	FSR: 30 years: +0 %: 15 mins: Summer	107.6 50	105.8 93	105.97 3	0.080	13.7	0.142	0.000	13.6	5.941	OK
MH 2.37	FSR: 30 years: +0 %: 15 mins: Summer	106.6 31	103.8 73	104.52 6	0.653	317.3	2.260	0.000	309.6	165.352	Surcharged
MH 2.43	FSR: 30 years: +0 %: 15 mins: Summer	106.1 20	103.4 22	104.04 8	0.626	548.5	2.168	0.000	547.3	312.251	Surcharged
MH 2.46	FSR: 30 years: +0 %: 15 mins: Summer	104.5 00	102.4 50	103.32 4	0.874	777.6	3.027	0.000	776.1	439.722	Surcharged
MH 2.61	FSR: 30 years: +0 %: 15 mins: Summer	105.3 10	103.0 64	103.51 9	0.455	83.1	0.804	0.000	72.2	37.432	Surcharged
MH 2.60	FSR: 30 years: +0 %: 15 mins: Summer	105.2 00	103.5 37	103.66 0	0.123	33.8	0.218	0.000	33.0	14.970	OK
MH 2.59	FSR: 30 years: +0 %: 15 mins: Summer	105.5 00	103.9 25	104.01 6	0.091	18.9	0.160	0.000	18.5	8.248	OK
MH 2.58	FSR: 30 years: +0 %: 15 mins: Summer	105.8 80	104.3 20	104.37 8	0.058	7.9	0.102	0.000	7.7	3.404	OK
MH 2.49	FSR: 30 years: +0 %: 15 mins: Summer	105.7 50	104.0 27	104.25 3	0.226	97.4	0.399	0.000	97.0	43.868	OK
MH 2.48	FSR: 30 years: +0 %: 15 mins: Summer	106.0 00	104.3 19	104.43 9	0.120	37.8	0.211	0.000	37.2	16.519	OK
MH 2.40	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	103.6 92	104.38 1	0.689	319.6	2.387	0.000	318.9	170.477	Surcharged

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		



MH 2.33	FSR: 30 years: +0 %: 15 mins: Summer	106.7 20	103.9 97	104.61 0	0.613	281.7	2.123	0.000	262.6	136.432	Surcharged
MH 2.25	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	105.0 46	105.18 9	0.143	59.8	0.495	0.000	59.1	25.991	OK
MH 2.10	FSR: 30 years: +0 %: 15 mins: Summer	107.4 80	105.0 69	105.44 0	0.371	17.9	0.419	0.000	20.0	8.090	Surcharged
MH 2.3	FSR: 30 years: +0 %: 15 mins: Summer	107.2 60	105.5 75	105.75 4	0.179	62.4	0.316	0.000	62.1	27.355	OK
MH 2.65	FSR: 30 years: +0 %: 15 mins: Summer	103.8 00	102.2 75	103.01 4	0.740	776.1	2.563	0.000	780.8	438.704	Surcharged
MH 2.21	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.3 95	105.51 0	0.115	32.1	0.204	0.000	31.7	13.881	OK
MH 2.62	FSR: 30 years: +0 %: 15 mins: Summer	105.2 00	103.8 06	103.86 5	0.059	6.8	0.105	0.000	6.6	2.925	OK
MH 2.63	FSR: 30 years: +0 %: 15 mins: Summer	105.2 50	103.4 19	103.56 0	0.141	27.9	0.248	0.000	27.3	12.067	OK
MH 2.42	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.8 25	104.86 5	0.040	3.2	0.070	0.000	3.2	1.397	OK
MH 2.22	FSR: 30 years: +0 %: 15 mins: Summer	106.7 80	104.5 58	104.82 9	0.271	194.8	0.940	0.000	196.8	85.754	OK
MH 2.17	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.5 75	105.73 3	0.158	33.1	0.280	0.000	32.5	14.315	OK
MH 2.6	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.6 50	105.77 9	0.129	31.7	0.228	0.000	31.3	13.730	OK
MH 2.14	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.5 75	105.70 2	0.127	31.3	0.224	0.000	30.9	13.550	OK
MH 2.50	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.1 92	104.30 0	0.108	31.9	0.191	0.000	31.7	13.816	OK
MH 2.44	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.7 00	104.81 9	0.119	33.4	0.210	0.000	33.0	14.463	OK
MH 2.57	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.1 00	104.21 2	0.112	33.7	0.198	0.000	33.4	14.583	OK
MH 2.23	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.7 49	104.85 6	0.107	31.5	0.190	0.000	31.3	13.673	OK
MH 2.38	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.6 00	104.73 0	0.130	31.5	0.229	0.000	31.2	13.639	OK
MH 2.2	FSR: 30 years: +0 %: 15 mins: Summer	107.2 00	105.7 57	105.85 7	0.100	22.9	0.177	0.000	22.5	9.947	OK
MH 2.66	FSR: 30 years: +0 %: 960 mins: Winter	103.3 00	102.0 50	102.65 5	0.605	12.0	1.070	0.000	12.0	823.429	OK
MH 2.45	FSR: 30 years: +0 %: 15 mins: Summer	105.6 30	102.6 35	103.62 8	0.993	552.0	3.439	0.000	557.5	316.037	Surcharged
MH 2.16	FSR: 30 years: +0 %: 15 mins: Summer	106.9 50	104.0 25	104.87 3	0.848	173.7	2.157	0.000	166.8	104.554	Surcharged
MH 2.54	FSR: 30 years: +0 %: 15 mins: Summer	105.6 50	103.8 11	104.08 5	0.274	134.3	0.485	0.000	132.6	60.478	OK

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		



MH 2.56	FSR: 30 years: +0 %: 15 mins: Summer	105.4 50	102.9 50	103.47 1	0.521	172.3	0.920	0.000	163.6	77.492	Surcharged
MH 2.64	FSR: 30 years: +0 %: 15 mins: Summer	105.4 25	102.8 57	103.41 3	0.556	80.5	0.983	0.000	73.1	40.607	Surcharged
MH 2.28	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.1 01	105.21 7	0.116	32.4	0.205	0.000	32.2	13.961	OK
MH 2.29	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	105.0 08	105.13 9	0.131	31.8	0.231	0.000	31.4	13.799	OK
MH 2.31	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.8 25	104.95 5	0.130	31.8	0.230	0.000	31.5	13.779	OK
MH 2.51	FSR: 30 years: +0 %: 15 mins: Summer	106.3 50	104.9 62	105.05 9	0.097	16.0	0.110	0.000	15.8	6.959	OK
MH 2.4	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.6 70	105.80 7	0.137	31.7	0.241	0.000	31.4	13.756	OK
MH 2.12	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.5 75	105.70 3	0.128	31.5	0.225	0.000	31.1	13.648	OK
MH 2.47	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.7 64	104.88 1	0.117	32.3	0.207	0.000	32.0	14.011	OK
MH 2.30	FSR: 30 years: +0 %: 15 mins: Summer	106.8 60	104.1 93	104.69 7	0.504	267.0	1.747	0.000	252.7	117.128	OK
MH 2.27	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	104.8 92	105.10 3	0.211	126.0	0.732	0.000	126.6	55.384	OK
MH 2.32	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.3 50	105.46 7	0.117	31.9	0.207	0.000	31.6	13.824	OK
MH 2.39	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.1 50	105.26 7	0.117	31.8	0.207	0.000	31.5	13.792	OK
MH 2.41	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.1 50	105.18 9	0.039	3.2	0.044	0.000	3.2	1.381	OK
MH 2.19	FSR: 30 years: +0 %: 15 mins: Summer	107.1 50	105.1 50	105.26 3	0.113	34.2	0.200	0.000	33.9	14.800	OK
MH 2.24	FSR: 30 years: +0 %: 15 mins: Summer	107.6 50	105.2 90	105.38 5	0.095	23.9	0.168	0.000	23.7	10.349	OK
MH 2.26	FSR: 30 years: +0 %: 15 mins: Summer	106.9 00	105.2 92	105.38 8	0.096	24.3	0.170	0.000	24.1	10.519	OK
MH 2.55	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.1 46	104.26 2	0.116	31.8	0.205	0.000	31.5	13.780	OK
MH 2.52	FSR: 30 years: +0 %: 15 mins: Summer	106.0 50	104.5 63	104.65 5	0.092	15.8	0.104	0.000	15.3	6.892	OK
MH 2.53	FSR: 30 years: +0 %: 15 mins: Summer	105.8 50	104.1 64	104.30 4	0.140	24.3	0.159	0.000	23.7	10.994	OK
MH 2.34	FSR: 30 years: +0 %: 15 mins: Summer	106.3 80	104.9 55	105.01 5	0.060	7.0	0.106	0.000	6.8	3.022	OK
MH 2.35	FSR: 30 years: +0 %: 15 mins: Summer	106.7 50	104.6 44	104.75 7	0.113	22.6	0.200	0.000	22.0	9.733	OK
MH 2.36	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	104.1 17	104.64 4	0.527	35.4	0.930	0.000	29.4	15.892	Surcharged

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		



FSR: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
MH 2.5	FSR: 100 years: +20 %: 15 mins: Summer	107.533	105.281	106.568	1.287	121.5	2.275	0.000	106.1	66.480	Surcharged
MH 2.8	FSR: 100 years: +20 %: 15 mins: Summer	107.150	105.540	106.427	0.887	16.9	1.003	0.000	16.9	7.648	Surcharged
MH 2.11	FSR: 100 years: +20 %: 15 mins: Summer	107.497	104.739	106.281	1.542	172.1	3.924	0.000	147.9	107.915	Surcharged
MH 2.9	FSR: 100 years: +20 %: 15 mins: Summer	107.350	105.337	106.413	1.076	28.5	1.217	0.000	20.3	8.746	Surcharged
MH 2.13	FSR: 100 years: +20 %: 15 mins: Summer	107.219	104.466	106.122	1.656	201.8	4.215	0.000	162.8	133.471	Surcharged
MH 2.15	FSR: 100 years: +20 %: 15 mins: Summer	107.150	104.192	105.873	1.681	168.5	4.279	0.000	173.0	138.595	Surcharged
MH 2.18	FSR: 100 years: +20 %: 15 mins: Summer	106.490	103.629	105.128	1.499	243.1	3.815	0.000	236.3	193.000	Surcharged
MH 2.20	FSR: 100 years: +20 %: 15 mins: Summer	106.400	103.550	104.876	1.326	602.2	4.595	0.000	605.4	464.675	Surcharged
MH 2.7	FSR: 100 years: +20 %: 15 mins: Summer	107.670	105.015	106.378	1.363	129.9	3.468	0.000	118.3	82.842	Surcharged
MH 2.1	FSR: 100 years: +20 %: 15 mins: Summer	107.650	105.893	106.671	0.778	21.4	1.374	0.000	21.6	9.488	Surcharged
MH 2.37	FSR: 100 years: +20 %: 15 mins: Summer	106.631	103.873	105.233	1.360	388.6	4.712	0.000	361.1	258.993	Surcharged
MH 2.43	FSR: 100 years: +20 %: 15 mins: Summer	106.120	103.422	104.599	1.177	638.7	4.077	0.000	642.0	489.666	Surcharged
MH 2.46	FSR: 100 years: +20 %: 15 mins: Summer	104.500	102.450	103.720	1.270	984.5	4.400	0.000	984.2	689.479	Surcharged
MH 2.61	FSR: 100 years: +20 %: 15 mins: Summer	105.310	103.064	104.062	0.998	107.7	1.764	0.000	88.5	58.740	Surcharged
MH 2.60	FSR: 100 years: +20 %: 15 mins: Summer	105.200	103.537	104.133	0.596	53.1	1.053	0.000	42.4	23.652	Surcharged
MH 2.59	FSR: 100 years: +20 %: 15 mins: Summer	105.500	103.925	104.172	0.247	29.5	0.436	0.000	28.7	12.877	OK
MH 2.58	FSR: 100 years: +20 %: 15 mins: Summer	105.880	104.320	104.393	0.073	12.2	0.129	0.000	12.0	5.305	OK
MH 2.49	FSR: 100 years: +20 %: 15 mins: Summer	105.750	104.027	104.468	0.441	145.1	0.779	0.000	132.9	68.513	Surcharged
MH 2.48	FSR: 100 years: +20 %: 15 mins: Summer	106.000	104.319	104.507	0.188	58.8	0.332	0.000	58.2	25.714	OK
MH 2.40	FSR: 100 years: +20 %: 15 mins: Summer	106.500	103.692	105.049	1.357	380.1	4.701	0.000	365.9	267.409	Surcharged

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		




MH 2.33	FSR: 100 years: +20 %: 15 mins: Summer	106.7 20	103.9 97	105.33 4	1.337	336.0	4.631	0.000	300.7	213.812	Surcharged
MH 2.25	FSR: 100 years: +20 %: 15 mins: Summer	106.5 00	105.0 46	105.56 8	0.522	93.1	1.809	0.000	90.8	40.809	OK
MH 2.10	FSR: 100 years: +20 %: 15 mins: Summer	107.4 80	105.0 69	106.38 7	1.318	24.7	1.490	0.000	25.0	14.363	Surcharged
MH 2.3	FSR: 100 years: +20 %: 15 mins: Summer	107.2 60	105.5 75	106.65 8	1.083	89.3	1.914	0.000	71.4	42.892	Surcharged
MH 2.65	FSR: 100 years: +20 %: 15 mins: Summer	103.8 00	102.2 75	103.19 9	0.925	984.2	3.203	0.000	983.6	686.449	Surcharged
MH 2.21	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.3 95	105.54 5	0.150	49.9	0.265	0.000	49.4	21.416	OK
MH 2.62	FSR: 100 years: +20 %: 15 mins: Summer	105.2 00	103.8 06	104.19 4	0.388	13.9	0.686	0.000	11.8	4.692	Surcharged
MH 2.63	FSR: 100 years: +20 %: 30 mins: Summer	105.2 50	103.4 19	104.14 0	0.721	39.6	1.273	0.000	31.7	25.479	Surcharged
MH 2.42	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.8 25	105.05 0	0.225	5.0	0.398	0.000	7.1	2.382	Surcharged
MH 2.22	FSR: 100 years: +20 %: 15 mins: Summer	106.7 80	104.5 58	105.52 2	0.964	291.8	3.340	0.000	227.1	134.382	Surcharged
MH 2.17	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.5 75	105.85 7	0.282	51.5	0.498	0.000	49.9	22.073	Surcharged
MH 2.6	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.6 50	106.57 5	0.925	49.4	1.635	0.000	44.7	21.184	Surcharged
MH 2.14	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.5 75	106.13 1	0.556	48.7	0.982	0.000	48.1	20.813	Surcharged
MH 2.50	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.1 92	104.49 0	0.298	49.6	0.526	0.000	47.8	21.530	OK
MH 2.44	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.7 00	104.85 5	0.155	52.0	0.274	0.000	51.5	22.526	OK
MH 2.57	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.1 00	104.24 5	0.145	52.4	0.257	0.000	52.0	22.714	OK
MH 2.23	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.7 49	105.52 8	0.779	49.1	1.376	0.000	51.9	21.342	Surcharged
MH 2.38	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.6 00	105.24 0	0.640	49.1	1.132	0.000	44.7	21.070	Surcharged
MH 2.2	FSR: 100 years: +20 %: 15 mins: Summer	107.2 00	105.7 57	106.66 7	0.910	36.1	1.609	0.000	31.2	15.905	Surcharged
MH 2.66	FSR: 100 years: +20 %: 1440 mins: Winter	103.3 00	102.0 50	102.96 1	0.911	12.0	1.610	0.000	12.0	1481.335	OK
MH 2.45	FSR: 100 years: +20 %: 15 mins: Summer	105.6 30	102.6 35	104.13 8	1.503	649.4	5.208	0.000	652.5	495.778	Surcharged
MH 2.16	FSR: 100 years: +20 %: 15 mins: Summer	106.9 50	104.0 25	105.68 6	1.661	193.6	4.228	0.000	197.6	163.764	Surcharged
MH 2.54	FSR: 100 years: +20 %: 15 mins: Summer	105.6 50	103.8 11	104.31 9	0.508	193.4	0.897	0.000	177.5	94.360	Surcharged

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		



MH 2.56	FSR: 100 years: +20 %: 15 mins: Summer	105.4 50	102.9 50	104.03 1	1.081	241.4	1.911	0.000	235.1	121.059	Surcharged
MH 2.64	FSR: 100 years: +20 %: 15 mins: Summer	105.4 25	102.8 57	103.88 3	1.026	100.7	1.813	0.000	94.3	63.831	Surcharged
MH 2.28	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.1 01	105.57 8	0.477	50.4	0.842	0.000	49.8	21.805	Surcharged
MH 2.29	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	105.0 08	105.57 4	0.566	49.6	1.000	0.000	48.5	21.533	Surcharged
MH 2.31	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.8 25	105.43 5	0.610	49.6	1.078	0.000	45.1	21.275	Surcharged
MH 2.51	FSR: 100 years: +20 %: 15 mins: Summer	106.3 50	104.9 62	105.08 8	0.126	25.0	0.142	0.000	24.6	10.830	OK
MH 2.4	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.6 70	106.66 5	0.995	49.4	1.759	0.000	45.4	21.438	Surcharged
MH 2.12	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.5 75	106.28 8	0.713	49.1	1.260	0.000	48.5	20.972	Surcharged
MH 2.47	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.7 64	104.91 6	0.152	50.4	0.269	0.000	49.9	21.824	OK
MH 2.30	FSR: 100 years: +20 %: 15 mins: Summer	106.8 60	104.1 93	105.42 8	1.235	331.0	4.280	0.000	284.6	183.345	Surcharged
MH 2.27	FSR: 100 years: +20 %: 15 mins: Summer	106.5 00	104.8 92	105.56 5	0.673	195.0	2.330	0.000	202.8	87.006	Surcharged
MH 2.32	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.3 50	105.50 2	0.152	49.7	0.269	0.000	49.2	21.398	OK
MH 2.39	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.1 50	105.30 2	0.152	49.6	0.269	0.000	49.1	21.339	OK
MH 2.41	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.1 50	105.19 9	0.049	5.0	0.055	0.000	4.9	2.148	OK
MH 2.19	FSR: 100 years: +20 %: 15 mins: Summer	107.1 50	105.1 50	105.29 7	0.147	53.2	0.259	0.000	52.8	22.948	OK
MH 2.24	FSR: 100 years: +20 %: 15 mins: Summer	107.6 50	105.2 90	105.56 9	0.279	37.2	0.494	0.000	36.9	16.175	OK
MH 2.26	FSR: 100 years: +20 %: 15 mins: Summer	106.9 00	105.2 92	105.56 9	0.277	37.8	0.490	0.000	37.6	16.446	OK
MH 2.55	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.1 46	104.33 4	0.188	49.6	0.333	0.000	49.9	21.281	OK
MH 2.52	FSR: 100 years: +20 %: 15 mins: Summer	106.0 50	104.5 63	104.68 3	0.120	24.6	0.136	0.000	24.1	10.719	OK
MH 2.53	FSR: 100 years: +20 %: 15 mins: Summer	105.8 50	104.1 64	104.52 5	0.361	38.2	0.409	0.000	35.1	17.186	Surcharged
MH 2.34	FSR: 100 years: +20 %: 15 mins: Summer	106.3 80	104.9 55	105.51 6	0.561	24.9	0.991	0.000	12.8	5.192	Surcharged
MH 2.35	FSR: 100 years: +20 %: 15 mins: Summer	106.7 50	104.6 44	105.51 9	0.875	35.4	1.547	0.000	27.7	15.831	Surcharged
MH 2.36	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	104.1 17	105.38 1	1.264	48.4	2.234	0.000	39.1	24.975	Surcharged

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Stormwater Controls Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers			



FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth


Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond	FSR: 1 years: +0 %: 960 mins: Summer	102.340	102.340	0.540	0.540	54.3	1047.719	0.000	0.000	11.7	730.288	66.390	OK

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Stormwater Controls Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth


Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond	FSR: 30 years: +0 %: 960 mins: Winter	102.659	102.659	0.859	0.859	69.5	1756.506	0.000	0.000	12.0	824.504	43.652	OK

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Stormwater Controls Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers			



FSR: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Avg. Depth


Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Pond	FSR: 100 years: +20 %: 1440 mins: Winter	102.966	102.966	1.166	1.166	76.5	2504.226	0.000	0.000	12.0	1482.719	19.666	OK

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Connections Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers			




FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow


Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2.1.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.5	MH 2.7	107.533	105.432	0.149	19.158	1.2	0.47	43.4	OK
2.1.005	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.11	MH 2.13	107.497	104.914	0.186	30.785	1.2	0.4	67.9	OK
2.1.006	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.13	MH 2.15	107.219	104.663	0.202	38.081	1.4	0.49	82.5	OK
2.4.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.8	MH 2.9	107.150	105.592	0.051	2.122	0.7	0.11	4.8	OK
2.4.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.9	MH 2.10	107.350	105.387	0.076	2.105	0.5	0.11	4.7	OK
2.1.009	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.18	MH 2.20	106.490	103.962	0.347	54.850	1.0	0.65	109.8	OK
2.9.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.33	MH 2.37	106.720	104.242	0.253	61.114	1.3	0.32	134.6	OK
2.9.005	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.40	MH 2.20	106.500	103.977	0.321	76.274	1.2	0.39	162.8	OK
2.1.010	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.20	MH 2.43	106.400	103.911	0.354	132.230	1.6	0.53	272.5	OK
2.9.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.30	MH 2.33	106.860	104.406	0.229	52.565	1.3	0.28	116.5	OK
2.12.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.26	MH 2.25	106.900	105.354	0.076	4.741	0.8	0.09	10.8	OK
2.11.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.24	MH 2.25	107.650	105.352	0.076	4.664	0.8	0.09	10.6	OK
2.28.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.58	MH 2.59	105.880	104.359	0.049	1.530	0.5	0.06	3.4	OK
2.28.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.59	MH 2.60	105.500	103.985	0.070	3.704	0.7	0.09	8.2	OK
2.28.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.60	MH 2.61	105.200	103.616	0.107	6.737	0.6	0.15	14.2	OK
2.1.013	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.46	MH 2.65	104.500	102.868	0.414	195.719	1.7	0.56	390.2	OK
2.23.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.48	MH 2.49	106.000	104.399	0.108	7.441	0.7	0.1	16.8	OK
2.11.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.25	MH 2.27	106.500	105.137	0.113	11.692	0.8	0.06	26.6	OK
2.9.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.22	MH 2.30	106.780	104.728	0.192	38.507	1.2	0.21	86.7	OK

Project: ADMIRAL				Date: 09/03/2026							
Designed by: TG & JH		Checked by: DML		Approved By: DML							
Report Details: Type: Connections Summary Storm Phase: D2 Design				Company: Lally Chartered Engineers							


2.9.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.21	MH 2.22	107.150	105.470	0.073	6.251	1.1	0.12	14.2	OK
2.1.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.3	MH 2.5	107.260	105.688	0.132	12.309	0.9	0.3	28.1	OK
2.9.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.37	MH 2.40	106.631	104.135	0.274	74.098	1.4	0.39	160.4	OK
2.1.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.1	MH 2.2	107.650	105.945	0.059	2.677	0.6	0.07	6.1	OK
2.3.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.6	MH 2.5	107.150	105.733	0.081	6.181	0.9	0.15	14.1	OK
2.6.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.14	MH 2.13	107.150	105.657	0.080	6.099	0.9	0.15	13.8	OK
2.24.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.50	MH 2.49	106.400	104.263	0.104	6.228	0.7	0.12	14.2	OK
2.22.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.44	MH 2.43	106.400	104.777	0.075	6.511	1.1	0.13	14.8	OK
2.10.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.23	MH 2.22	106.400	104.820	0.120	6.164	0.6	0.12	14.1	OK
2.18.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.38	MH 2.37	106.400	104.683	0.081	6.142	0.9	0.15	14.0	OK
2.1.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.2	MH 2.3	107.200	105.824	0.090	4.476	0.6	0.11	10.1	OK
2.1.011	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.43	MH 2.45	106.120	103.770	0.333	138.954	1.8	0.55	284.6	OK
2.1.012	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.45	MH 2.46	105.630	103.015	0.399	140.431	1.5	0.56	285.8	OK
2.27.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.57	MH 2.56	106.400	104.172	0.070	6.566	1.2	0.11	15.0	OK
2.11.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.27	MH 2.22	106.500	105.026	0.152	24.887	1.1	0.14	56.8	OK
2.1.007	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.15	MH 2.16	107.150	104.398	0.204	39.380	1.4	0.49	83.7	OK
2.1.008	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.16	MH 2.18	106.950	104.227	0.268	46.419	1.2	0.57	95.8	OK
2.7.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.17	MH 2.16	107.150	105.670	0.093	6.445	0.9	0.34	14.6	OK
2.4.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.10	MH 2.7	107.480	105.173	0.127	3.582	0.4	0.18	7.7	OK
2.23.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.49	MH 2.54	105.750	104.164	0.149	19.697	1.0	0.25	42.8	OK
2.23.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.54	MH 2.56	105.650	103.972	0.156	27.142	1.3	0.35	58.7	OK
2.23.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.56	MH 2.46	105.450	103.143	0.184	35.135	1.4	0.45	75.3	OK
2.28.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.61	MH 2.64	105.310	103.199	0.140	16.789	1.1	0.38	35.6	OK

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2.28.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.64	MH 2.46	105.425	103.002	0.142	18.197	1.2	0.42	38.9	OK
2.1.014	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.65	Pond	103.800	102.684	0.383	194.936	1.8	0.55	386.7	OK
2.13.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.28	MH 2.27	107.150	105.176	0.087	6.255	0.9	0.13	14.4	OK
2.14.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.29	MH 2.27	106.400	105.087	0.106	6.219	0.7	0.15	14.2	OK
2.15.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.31	MH 2.30	106.400	104.908	0.081	6.207	0.9	0.15	14.1	OK
2.1.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.7	MH 2.11	107.670	105.165	0.162	23.428	1.1	0.31	52.4	OK
2.2.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.4	MH 2.3	107.150	105.753	0.097	6.195	0.7	0.15	14.2	OK
2.5.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.12	MH 2.11	107.150	105.657	0.080	6.145	0.9	0.15	13.9	OK
2.23.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.47	MH 2.48	106.400	104.840	0.074	6.310	1.1	0.13	14.4	OK
2.1.015	FSR: 1 years: +0 %: 960 mins: Summer	Pipe	Pond	MH 2.66	103.500	102.340	0.225	730.288	0.3	0.39	11.7	Surcharged
2.16.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.32	MH 2.30	107.150	105.425	0.073	6.226	1.1	0.12	14.2	OK
2.19.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.39	MH 2.37	107.150	105.225	0.073	6.212	1.1	0.12	14.2	OK
2.20.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.41	MH 2.40	107.150	105.176	0.026	0.623	0.6	0.03	1.4	OK
2.21.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.42	MH 2.40	106.400	104.851	0.026	0.628	0.6	0.03	1.4	OK
2.8.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.19	MH 2.18	107.150	105.223	0.071	6.665	1.2	0.12	15.2	OK
2.26.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.55	MH 2.54	106.400	104.221	0.073	6.209	1.1	0.12	14.1	OK
2.29.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.62	MH 2.63	105.200	103.846	0.062	1.312	0.3	0.07	2.9	OK
2.29.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.63	MH 2.61	105.250	103.504	0.083	5.478	0.9	0.28	12.1	OK
2.25.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.51	MH 2.52	106.350	105.025	0.061	3.139	0.8	0.16	7.1	OK
2.25.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.52	MH 2.53	106.050	104.623	0.070	3.088	0.6	0.16	6.7	OK
2.25.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.53	MH 2.49	105.850	104.244	0.077	4.903	0.9	0.24	10.4	OK
2.17.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.34	MH 2.35	106.380	104.995	0.056	1.359	0.4	0.07	3.0	OK
2.17.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.35	MH 2.36	106.750	104.716	0.102	4.434	0.6	0.22	9.6	OK

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2.17.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 2.36	MH 2.33	106.400	104.251	0.154	7.104	0.7	0.34	14.6	OK
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Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Connections Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers			




FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow


Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2.1.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.5	MH 2.7	107.533	105.610	0.300	42.453	1.4	1.02	94.8	Surcharged
2.1.005	FSR: 30 years: +0 %: 30 mins: Summer	Pipe	MH 2.11	MH 2.13	107.497	105.294	0.375	91.590	1.3	0.81	136.2	Surcharged
2.1.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.13	MH 2.15	107.219	105.215	0.375	85.094	1.5	0.87	147.1	Surcharged
2.4.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.8	MH 2.9	107.150	105.619	0.087	4.712	0.9	0.25	10.7	OK
2.4.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.9	MH 2.10	107.350	105.453	0.225	4.710	0.5	0.33	14.3	OK
2.1.009	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.18	MH 2.20	106.490	104.442	0.375	123.270	1.8	1.18	199.1	Surcharged
2.9.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.33	MH 2.37	106.720	104.610	0.525	136.432	1.4	0.63	262.6	Surcharged
2.9.005	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.40	MH 2.20	106.500	104.381	0.525	170.477	1.5	0.77	318.9	Surcharged
2.1.010	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.20	MH 2.43	106.400	104.253	0.600	296.566	1.8	1.01	519.8	Surcharged
2.9.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.30	MH 2.33	106.860	104.697	0.525	117.128	1.5	0.61	252.7	OK
2.12.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.26	MH 2.25	106.900	105.388	0.119	10.519	0.9	0.21	24.1	OK
2.11.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.24	MH 2.25	107.650	105.385	0.119	10.349	0.9	0.21	23.7	OK
2.28.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.58	MH 2.59	105.880	104.378	0.074	3.404	0.7	0.14	7.7	OK
2.28.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.59	MH 2.60	105.500	104.016	0.107	8.248	0.8	0.2	18.5	OK

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2.28.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.60	MH 2.61	105.200	103.660	0.288	14.970	0.7	0.35	33.0	OK
2.1.013	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.46	MH 2.65	104.500	103.324	0.675	439.722	2.2	1.1	776.1	Surcharged
2.23.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.48	MH 2.49	106.000	104.439	0.173	16.519	0.8	0.22	37.2	OK
2.11.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.25	MH 2.27	106.500	105.189	0.177	25.991	0.9	0.14	59.1	OK
2.9.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.22	MH 2.30	106.780	104.829	0.377	85.754	1.4	0.47	196.8	OK
2.9.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.21	MH 2.22	107.150	105.510	0.112	13.881	1.3	0.28	31.7	OK
2.1.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.3	MH 2.5	107.260	105.754	0.237	27.355	1.1	0.67	62.1	OK
2.9.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.37	MH 2.40	106.631	104.526	0.525	165.352	1.5	0.75	309.6	Surcharged
2.1.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.1	MH 2.2	107.650	105.973	0.090	5.941	0.8	0.15	13.6	OK
2.3.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.6	MH 2.5	107.150	105.779	0.124	13.730	1.1	0.34	31.3	OK
2.6.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.14	MH 2.13	107.150	105.702	0.123	13.550	1.1	0.33	30.9	OK
2.24.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.50	MH 2.49	106.400	104.300	0.166	13.816	0.8	0.28	31.7	OK
2.22.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.44	MH 2.43	106.400	104.819	0.115	14.463	1.3	0.29	33.0	OK
2.10.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.23	MH 2.22	106.400	104.856	0.188	13.673	0.7	0.27	31.3	OK
2.18.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.38	MH 2.37	106.400	104.730	0.124	13.639	1.1	0.33	31.2	OK
2.1.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.2	MH 2.3	107.200	105.857	0.140	9.947	0.7	0.24	22.5	OK
2.1.011	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.43	MH 2.45	106.120	104.048	0.554	312.251	2.0	1.07	547.3	Surcharged

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Report Details: Type: Connections Summary Storm Phase: D2 Design				Company: Lally Chartered Engineers										

2.1.012	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.45	MH 2.46	105.630	103.628	0.600	316.037	2.0	1.09	557.5	Surcharged
2.27.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.57	MH 2.56	106.400	104.212	0.107	14.583	1.5	0.25	33.4	OK
2.11.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.27	MH 2.22	106.500	105.103	0.241	55.384	1.3	0.31	126.6	OK
2.1.007	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.15	MH 2.16	107.150	105.013	0.375	88.376	1.3	0.85	143.6	Surcharged
2.1.008	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.16	MH 2.18	106.950	104.873	0.375	104.554	1.5	0.99	166.8	Surcharged
2.7.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.17	MH 2.16	107.150	105.733	0.152	14.315	1.1	0.75	32.5	OK
2.4.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.10	MH 2.7	107.480	105.440	0.225	7.992	0.5	0.46	20.0	Surcharged
2.23.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.49	MH 2.54	105.750	104.253	0.250	43.868	1.2	0.57	97.0	OK
2.23.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.54	MH 2.56	105.650	104.085	0.262	60.478	1.6	0.78	132.6	OK
2.23.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.56	MH 2.46	105.450	103.471	0.375	77.492	1.6	0.97	163.6	Surcharged
2.28.003	FSR: 30 years: +0 %: 30 mins: Summer	Pipe	MH 2.61	MH 2.64	105.310	103.490	0.300	49.914	1.2	0.8	74.3	Surcharged
2.28.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.64	MH 2.46	105.425	103.413	0.300	40.607	1.3	0.78	73.1	Surcharged
2.1.014	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.65	Pond	103.800	103.014	0.649	438.704	2.2	1.11	780.8	Surcharged
2.13.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.28	MH 2.27	107.150	105.217	0.146	13.961	1.0	0.28	32.2	OK
2.14.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.29	MH 2.27	106.400	105.139	0.170	13.799	0.8	0.34	31.4	OK
2.15.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.31	MH 2.30	106.400	104.955	0.125	13.779	1.1	0.34	31.5	OK
2.1.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.7	MH 2.11	107.670	105.437	0.375	52.319	1.3	0.72	121.2	Surcharged

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2.2.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.4	MH 2.3	107.150	105.807	0.158	13.756	0.8	0.34	31.4	OK
2.5.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.12	MH 2.11	107.150	105.703	0.123	13.648	1.1	0.33	31.1	OK
2.23.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.47	MH 2.48	106.400	104.881	0.113	14.011	1.3	0.28	32.0	OK
2.1.015	FSR: 30 years: +0 %: 120 mins: Summer	Pipe	Pond	MH 2.66	103.500	102.511	0.225	91.570	0.4	0.41	12.3	Surcharged
2.16.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.32	MH 2.30	107.150	105.467	0.112	13.824	1.3	0.28	31.6	OK
2.19.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.39	MH 2.37	107.150	105.267	0.112	13.792	1.3	0.28	31.5	OK
2.20.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.41	MH 2.40	107.150	105.189	0.038	1.381	0.7	0.06	3.2	OK
2.21.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.42	MH 2.40	106.400	104.865	0.038	1.397	0.7	0.06	3.2	OK
2.8.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.19	MH 2.18	107.150	105.263	0.108	14.800	1.5	0.26	33.9	OK
2.26.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.55	MH 2.54	106.400	104.262	0.112	13.780	1.3	0.28	31.5	OK
2.29.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.62	MH 2.63	105.200	103.865	0.099	2.925	0.4	0.15	6.6	OK
2.29.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.63	MH 2.61	105.250	103.560	0.189	12.067	1.1	0.63	27.3	OK
2.25.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.51	MH 2.52	106.350	105.059	0.094	6.959	1.0	0.36	15.8	OK
2.25.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.52	MH 2.53	106.050	104.655	0.116	6.892	0.7	0.35	15.3	OK
2.25.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.53	MH 2.49	105.850	104.304	0.146	10.994	1.0	0.55	23.7	OK
2.17.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.34	MH 2.35	106.380	105.015	0.087	3.022	0.5	0.16	6.8	OK
2.17.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 2.35	MH 2.36	106.750	104.757	0.225	9.733	0.7	0.51	22.0	OK

Project: ADMIRAL		Date: 09/03/2026									
Report Details: Type: Connections Summary Storm Phase: D2 Design		Designed by: TG & JH	Checked by: DML	Approved By: DML							
		Company: Lally Chartered Engineers									


2.17.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	MH 2.36	MH 2.33	106.400	104.576	0.225	15.897	0.7	0.68	29.5	Surcharged
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Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Connections Summary Storm Phase: D2 Design	Company: Lally Chartered Engineers		




FSR: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Flow


Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
2.1.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.5	MH 2.7	107.533	106.568	0.300	66.480	1.5	1.14	106.1	Surcharged
2.1.005	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.11	MH 2.13	107.497	106.281	0.375	107.915	1.4	0.87	147.9	Surcharged
2.1.006	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.13	MH 2.15	107.219	106.122	0.375	133.471	1.5	0.96	162.8	Surcharged
2.4.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.8	MH 2.9	107.150	106.427	0.225	7.430	1.0	0.39	16.9	Surcharged
2.4.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.9	MH 2.10	107.350	106.413	0.225	7.532	0.5	0.47	20.3	Surcharged
2.1.009	FSR: 100 years: +20 %: 30 mins: Summer	Pipe	MH 2.18	MH 2.20	106.490	105.088	0.375	258.372	2.1	1.4	237.3	Surcharged
2.9.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.33	MH 2.37	106.720	105.334	0.525	213.812	1.4	0.72	300.7	Surcharged
2.9.005	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.40	MH 2.20	106.500	105.049	0.525	267.191	1.7	0.88	365.9	Surcharged
2.1.010	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.20	MH 2.43	106.400	104.876	0.600	464.675	2.1	1.18	605.4	Surcharged
2.9.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.30	MH 2.33	106.860	105.428	0.525	183.345	1.5	0.69	284.6	Surcharged
2.12.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.26	MH 2.25	106.900	105.569	0.300	16.446	1.0	0.33	37.6	OK
2.11.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.24	MH 2.25	107.650	105.569	0.300	16.175	1.0	0.32	36.9	OK
2.28.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.58	MH 2.59	105.880	104.393	0.152	5.305	0.8	0.23	12.0	OK
2.28.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.59	MH 2.60	105.500	104.172	0.300	12.855	0.9	0.31	28.7	OK

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2.28.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.60	MH 2.61	105.200	104.133	0.300	23.595	0.8	0.45	42.4	Surcharged
2.1.013	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.46	MH 2.65	104.500	103.720	0.675	689.479	2.7	1.4	984.2	Surcharged
2.23.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.48	MH 2.49	106.000	104.507	0.315	25.714	0.9	0.34	58.2	OK
2.11.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.25	MH 2.27	106.500	105.568	0.525	40.631	1.0	0.22	90.8	OK
2.9.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.22	MH 2.30	106.780	105.522	0.525	134.382	1.5	0.55	227.1	Surcharged
2.9.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.21	MH 2.22	107.150	105.545	0.231	21.416	1.5	0.43	49.4	OK
2.1.002	FSR: 100 years: +20 %: 15 mins: Winter	Pipe	MH 2.3	MH 2.5	107.260	106.522	0.300	42.761	1.1	0.81	75.2	Surcharged
2.9.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.37	MH 2.40	106.631	105.233	0.525	258.993	1.7	0.87	361.1	Surcharged
2.1.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.1	MH 2.2	107.650	106.671	0.300	9.333	0.8	0.23	21.6	Surcharged
2.3.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.6	MH 2.5	107.150	106.575	0.300	21.184	1.2	0.48	44.7	Surcharged
2.6.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.14	MH 2.13	107.150	106.131	0.300	20.813	1.3	0.52	48.1	Surcharged
2.24.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.50	MH 2.49	106.400	104.490	0.300	21.530	0.9	0.42	47.8	OK
2.22.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.44	MH 2.43	106.400	104.855	0.148	22.526	1.5	0.45	51.5	OK
2.10.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.23	MH 2.22	106.400	105.528	0.300	21.342	0.8	0.45	51.9	Surcharged
2.18.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.38	MH 2.37	106.400	105.240	0.300	21.070	1.2	0.48	44.7	Surcharged
2.1.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.2	MH 2.3	107.200	106.667	0.300	15.634	0.7	0.33	31.2	Surcharged
2.1.011	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.43	MH 2.45	106.120	104.599	0.600	489.666	2.3	1.25	642.0	Surcharged

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2.1.012	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.45	MH 2.46	105.630	104.138	0.600	495.778	2.3	1.27	652.5	Surcharged
2.27.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.57	MH 2.56	106.400	104.245	0.138	22.714	1.6	0.39	52.0	OK
2.11.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.27	MH 2.22	106.500	105.565	0.525	86.828	1.4	0.49	202.8	Surcharged
2.1.007	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.15	MH 2.16	107.150	105.873	0.375	138.595	1.6	1.02	173.0	Surcharged
2.1.008	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.16	MH 2.18	106.950	105.686	0.375	163.764	1.8	1.17	197.6	Surcharged
2.7.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.17	MH 2.16	107.150	105.857	0.225	22.073	1.3	1.15	49.9	Surcharged
2.4.002	FSR: 100 years: +20 %: 15 mins: Winter	Pipe	MH 2.10	MH 2.7	107.480	106.249	0.225	12.583	0.6	0.58	25.1	Surcharged
2.23.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.49	MH 2.54	105.750	104.468	0.375	68.513	1.3	0.79	132.9	Surcharged
2.23.003	FSR: 100 years: +20 %: 30 mins: Summer	Pipe	MH 2.54	MH 2.56	105.650	104.243	0.375	126.023	1.7	1.06	179.3	Surcharged
2.23.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.56	MH 2.46	105.450	104.031	0.375	121.059	2.1	1.39	235.1	Surcharged
2.28.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.61	MH 2.64	105.310	104.062	0.300	58.702	1.3	0.95	88.5	Surcharged
2.28.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.64	MH 2.46	105.425	103.883	0.300	63.831	1.3	1.01	94.3	Surcharged
2.1.014	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.65	Pond	103.800	103.199	0.675	686.449	2.7	1.4	983.6	Surcharged
2.13.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.28	MH 2.27	107.150	105.578	0.300	21.805	1.0	0.44	49.8	Surcharged
2.14.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.29	MH 2.27	106.400	105.574	0.300	21.533	0.8	0.52	48.5	Surcharged
2.15.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.31	MH 2.30	106.400	105.435	0.300	21.275	1.2	0.48	45.1	Surcharged
2.1.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.7	MH 2.11	107.670	106.378	0.375	82.123	1.3	0.7	118.3	Surcharged

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2.2.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.4	MH 2.3	107.150	106.665	0.300	21.438	0.9	0.49	45.4	Surcharged
2.5.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.12	MH 2.11	107.150	106.288	0.300	20.972	1.3	0.52	48.5	Surcharged
2.23.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.47	MH 2.48	106.400	104.916	0.145	21.824	1.5	0.44	49.9	OK
2.1.015	FSR: 100 years: +20 %: 60 mins: Summer	Pipe	Pond	MH 2.66	103.500	102.627	0.225	49.399	0.4	0.42	12.7	Surcharged
2.16.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.32	MH 2.30	107.150	105.502	0.161	21.398	1.5	0.43	49.2	OK
2.19.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.39	MH 2.37	107.150	105.302	0.166	21.339	1.5	0.43	49.1	OK
2.20.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.41	MH 2.40	107.150	105.199	0.048	2.148	0.8	0.09	4.9	OK
2.21.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.42	MH 2.40	106.400	105.050	0.225	2.163	0.8	0.13	7.1	Surcharged
2.8.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.19	MH 2.18	107.150	105.297	0.143	22.948	1.6	0.4	52.8	OK
2.26.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.55	MH 2.54	106.400	104.334	0.259	21.281	1.4	0.44	49.9	OK
2.29.000	FSR: 100 years: +20 %: 15 mins: Winter	Pipe	MH 2.62	MH 2.63	105.200	104.093	0.225	4.548	0.4	0.28	11.9	Surcharged
2.29.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.63	MH 2.61	105.250	104.138	0.225	18.904	1.1	0.78	33.9	Surcharged
2.25.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.51	MH 2.52	106.350	105.088	0.122	10.830	1.1	0.57	24.6	OK
2.25.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.52	MH 2.53	106.050	104.683	0.225	10.719	0.7	0.56	24.1	OK
2.25.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.53	MH 2.49	105.850	104.525	0.225	17.186	1.0	0.81	35.1	Surcharged
2.17.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.34	MH 2.35	106.380	105.516	0.225	4.757	0.5	0.3	12.8	Surcharged
2.17.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.35	MH 2.36	106.750	105.519	0.225	15.397	0.7	0.64	27.7	Surcharged

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2.17.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 2.36	MH 2.33	106.400	105.381	0.225	24.975	1.0	0.9	39.1	Surcharged
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