


Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Storm Phase: D1 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 1.15	Manhole	644104.459	739150.696	110.750	1.500	109.250	Circular	1.200
MH 1.5	Manhole	644298.361	739237.409	110.850	3.455	107.395	Circular	1.500
MH 1.7	Manhole	644342.325	739257.067	108.900	1.826	107.074	Circular	1.800
MH 1.53	Manhole	644532.869	739091.444	106.000	1.700	104.300	Circular	1.500
MH 1.54	Manhole	644541.149	739073.217	106.000	1.900	104.100	Circular	1.500
MH 1.50	Manhole	644536.882	739065.313	106.075	2.757	103.318	Circular	2.100
MH 1.44	Manhole	644510.192	739124.883	106.200	2.577	103.623	Circular	2.100
MH 1.43	Manhole	644459.721	739102.328	106.400	2.501	103.899	Circular	2.100
MH 1.30	Manhole	644419.432	739084.306	108.100	3.980	104.120	Circular	2.100
MH 1.38	Manhole	644319.428	739039.695	110.410	2.116	108.294	Circular	1.500
MH 1.32	Manhole	644347.573	739059.127	110.000	2.161	107.839	Circular	1.200
MH 1.37	Manhole	644238.310	739003.273	111.400	1.836	109.564	Circular	1.500
MH 1.31	Manhole	644290.573	739033.618	110.500	1.700	108.800	Circular	1.200
MH 1.36	Manhole	644180.425	738977.366	112.000	1.530	110.470	Circular	1.500
MH 1.17	Manhole	644142.647	739065.071	110.400	1.671	108.729	Circular	1.200
MH 1.18	Manhole	644203.728	739092.545	110.700	2.343	108.357	Circular	1.800
MH 1.21	Manhole	644276.975	739125.314	110.815	2.904	107.911	Circular	1.800
MH 1.14	Manhole	644380.392	739171.542	108.400	1.950	106.450	Circular	1.800
MH 1.11	Manhole	644354.981	739228.547	108.740	1.874	106.866	Circular	1.800
MH 1.28	Manhole	644393.398	739142.497	108.300	2.062	106.238	Circular	1.800
MH 1.16	Manhole	644123.478	739107.974	110.575	1.585	108.990	Circular	1.200
MH 1.8	Manhole	644241.380	739200.228	110.750	1.950	108.800	Circular	1.200
MH 1.9	Manhole	644285.584	739219.998	110.750	2.555	108.195	Circular	1.200
MH 1.70	Manhole	644216.280	738954.648	112.650	2.025	110.625	Circular	1.500
MH 1.69	Manhole	644203.774	738909.868	112.870	2.012	110.858	Circular	1.500
MH 1.81	Manhole	644362.362	738817.303	113.030	2.028	111.002	Circular	1.500
MH 1.82	Manhole	644399.489	738790.323	112.830	2.134	110.696	Circular	1.500
MH 1.84	Manhole	644433.529	738780.816	112.650	2.190	110.460	Circular	1.500
MH 1.85	Manhole	644444.885	738821.480	112.820	2.641	110.179	Circular	1.500
MH 1.89	Manhole	644472.188	738908.091	110.900	4.000	106.900	Circular	1.800
MH 1.75	Manhole	644462.855	738885.825	112.650	4.000	108.650	Circular	1.800
MH 1.65	Manhole	644427.087	738895.800	112.870	3.339	109.531	Circular	1.500
MH 1.77	Manhole	644360.923	738906.493	113.000	2.312	110.688	Circular	1.200
MH 1.71	Manhole	644287.533	738935.064	112.970	2.714	110.256	Circular	1.500
MH 1.76	Manhole	644279.654	738929.128	112.750	1.500	111.250	Circular	1.200
MH 1.59	Manhole	644370.333	738951.366	110.750	2.863	107.887	Circular	1.200
MH 1.58	Manhole	644441.966	738988.245	106.660	2.306	104.354	Circular	1.800
MH 1.61	Manhole	644515.892	739021.279	106.200	2.656	103.544	Circular	1.800
MH 1.55	Manhole	644549.689	739036.395	106.000	2.826	103.174	Circular	2.100
MH 1.10	Manhole	644330.928	739240.212	109.500	1.926	107.574	Circular	1.200
MH 1.24	Manhole	644348.930	739157.459	109.670	2.823	106.847	Circular	1.800
MH 1.33	Manhole	644404.582	739084.653	109.000	2.122	106.878	Circular	1.200
MH 1.63	Manhole	644561.545	739000.429	105.500	2.498	103.002	Circular	2.100
MH 1.78	Manhole	644443.846	738883.334	112.650	2.536	110.114	Circular	1.200
MH 1.1	Manhole	644159.679	739160.231	110.750	1.575	109.175	Circular	1.500
MH 1.13	Manhole	644367.705	739200.018	108.570	1.912	106.658	Circular	1.800
MH 1.19	Manhole	644188.397	739102.715	110.750	1.500	109.250	Circular	1.500
MH 1.22	Manhole	644262.394	739135.778	110.750	1.500	109.250	Circular	1.500
MH 1.20	Manhole	644199.296	739073.429	110.000	1.512	108.488	Circular	1.500
MH 1.23	Manhole	644273.668	739106.742	110.000	1.853	108.147	Circular	1.500
MH 1.40	Manhole	644222.491	739013.551	110.000	1.600	108.400	Circular	1.500
MH 1.41	Manhole	644297.258	739046.912	110.000	2.055	107.945	Circular	1.500
MH 1.25	Manhole	644348.342	739140.052	110.000	1.656	108.344	Circular	1.500
MH 1.29	Manhole	644406.414	739113.351	108.200	2.175	106.025	Circular	1.800
MH 1.26	Manhole	644333.461	739168.104	110.750	2.392	108.358	Circular	1.500
MH 1.45	Manhole	644488.117	739129.837	106.400	2.626	103.774	Circular	1.800
MH 1.47	Manhole	644325.550	739025.876	106.500	1.809	104.691	Circular	1.500
MH 1.48	Manhole	644399.058	739058.844	106.500	2.257	104.243	Circular	1.500

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MH 1.56	Manhole	644356.390	738961.492	106.500	1.209	105.291	Circular	1.500
MH 1.57	Manhole	644428.132	738993.361	106.500	1.645	104.855	Circular	1.500
MH 1.86	Manhole	644433.162	738820.694	112.750	1.525	111.225	Circular	1.500
MH 1.88	Manhole	644442.528	738853.296	112.750	2.606	110.144	Circular	1.500
MH 1.79	Manhole	644320.118	738840.223	112.650	1.288	111.362	Circular	1.500
MH 1.66	Manhole	644241.710	738862.395	112.650	1.275	111.375	Circular	1.500
MH 1.72	Manhole	644263.421	738922.805	112.650	1.943	110.707	Circular	1.500
MH 1.64	Manhole	644414.897	738880.380	112.650	1.650	111.000	Circular	1.500
MH 1.80	Manhole	644322.033	738828.223	113.200	1.919	111.281	Circular	1.500
MH 1.2	Manhole	644158.999	739175.005	111.035	1.959	109.076	Circular	1.500
MH 1.4	Manhole	644233.976	739193.537	110.750	1.965	108.785	Circular	1.500
MH 1.6	Manhole	644301.703	739223.787	110.750	1.575	109.175	Circular	1.500
MH 1.3	Manhole	644233.514	739208.747	111.200	2.669	108.531	Circular	1.500
MH 1.42	Manhole	644374.109	739081.090	109.890	2.412	107.478	Circular	1.500
MH 1.39	Manhole	644395.639	739073.946	109.540	3.131	106.409	Circular	1.800
MH 1.62	Manhole	644502.852	739033.923	106.500	2.377	104.123	Circular	1.500
MH 1.49	Manhole	644472.403	739091.407	106.500	2.703	103.797	Circular	1.500
MH 1.35	Manhole	644160.615	738996.020	112.700	1.686	111.014	Circular	1.200
MH 1.34	Manhole	644143.644	739009.272	114.250	2.698	111.552	Circular	1.200
MH 1.74	Manhole	644337.648	738901.903	112.650	2.351	110.299	Circular	1.500
MH 1.73	Manhole	644358.554	738915.144	113.290	3.403	109.887	Circular	1.500
MH 1.87	Manhole	644454.237	738854.966	112.820	2.873	109.947	Circular	1.800
MH 1.68	Manhole	644191.162	738866.234	112.650	1.565	111.085	Circular	1.500
MH 1.67	Manhole	644232.613	738851.641	112.865	1.560	111.305	Circular	1.500
MH 1.83	Manhole	644399.252	738818.009	112.650	1.493	111.157	Circular	1.500
MH 1.94	Manhole	644627.061	738958.557	104.500	1.785	102.715	Circular	1.500
MH 1.60	Manhole	644404.973	738971.687	108.455	2.669	105.786	Circular	1.200
MH 1.93	Manhole	644504.335	738979.707	106.000	2.999	103.001	Circular	1.800
MH 1.92	Manhole	644466.637	738964.235	107.000	3.592	103.408	Circular	1.800
MH 1.27	Manhole	644366.314	739165.280	108.970	2.218	106.752	Circular	1.800
MH 1.46	Manhole	644517.872	739107.631	106.157	2.628	103.529	Circular	2.100
MH 1.90	Manhole	644472.405	738919.180	108.000	3.000	105.000	Circular	1.800
MH 1.91	Manhole	644469.762	738939.829	107.000	2.208	104.792	Circular	1.800
MH 1.95	Manhole	644116.230	739021.285	116.500	3.002	113.498	Circular	1.200
MH 1.96	Manhole	644085.007	739036.523	117.000	1.970	115.030	Circular	1.200
MH 1.97	Manhole	644056.830	739068.098	117.500	1.765	115.735	Circular	1.200
MH 1.98	Manhole	644031.067	739101.761	118.000	1.558	116.442	Circular	1.200
MH 1.99	Manhole	644010.007	739127.799	118.500	1.500	117.000	Circular	1.200
MH 1.100	Manhole	643994.485	739148.159	119.000	1.573	117.427	Circular	1.200
MH 1.105	Manhole	644215.514	739091.444	110.700	1.812	108.888	Circular	1.200
MH 1.104	Manhole	644267.442	739114.688	110.650	2.473	108.177	Circular	1.200
MH 1.103	Manhole	644319.387	739137.916	110.400	2.934	107.466	Circular	1.200
MH 1.102	Manhole	644364.992	739158.323	109.000	2.159	106.841	Circular	1.200
MH 1.51	Manhole	644433.665	739111.831	106.900	2.539	104.361	Circular	1.500
MH 1.101	Manhole	644369.287	739144.927	109.890	3.046	106.844	Circular	1.500
MH 1.12	Manhole	644347.194	739200.648	110.250	3.079	107.171	Circular	1.500
MH 1.106	Manhole	644424.581	738985.387	106.600	1.500	105.100	Circular	1.200
MH 1.107	Manhole	644481.677	739010.716	106.450	1.975	104.475	Circular	1.200
MH 1.108	Manhole	644536.833	739035.250	106.150	2.279	103.871	Circular	1.200

Name	Lock	Access Required	Intersection Easting (m)	Intersection Northing (m)
MH 1.15	All	<input checked="" type="checkbox"/>	644104.459	739150.696
MH 1.5	All	<input checked="" type="checkbox"/>	644298.361	739237.409
MH 1.7	All	<input checked="" type="checkbox"/>	644342.325	739257.067
MH 1.53	All	<input checked="" type="checkbox"/>	644532.869	739091.444
MH 1.54	All	<input checked="" type="checkbox"/>	644541.149	739073.217
MH 1.50	All	<input checked="" type="checkbox"/>	644536.882	739065.313
MH 1.44	All	<input checked="" type="checkbox"/>	644510.192	739124.883
MH 1.43	All	<input checked="" type="checkbox"/>	644459.721	739102.328

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MH 1.30	All	<input checked="" type="checkbox"/>	644419.432	739084.306
MH 1.38	All	<input checked="" type="checkbox"/>	644319.428	739039.695
MH 1.32	All	<input checked="" type="checkbox"/>	644347.573	739059.127
MH 1.37	All	<input checked="" type="checkbox"/>	644238.310	739003.273
MH 1.31	All	<input checked="" type="checkbox"/>	644290.573	739033.618
MH 1.36	All	<input checked="" type="checkbox"/>	644180.425	738977.366
MH 1.17	All	<input checked="" type="checkbox"/>	644142.647	739065.071
MH 1.18	All	<input checked="" type="checkbox"/>	644203.728	739092.545
MH 1.21	All	<input checked="" type="checkbox"/>	644276.975	739125.314
MH 1.14	All	<input checked="" type="checkbox"/>	644380.392	739171.542
MH 1.11	All	<input checked="" type="checkbox"/>	644354.981	739228.547
MH 1.28	All	<input checked="" type="checkbox"/>	644393.398	739142.497
MH 1.16	All	<input checked="" type="checkbox"/>	644123.478	739107.974
MH 1.8	All	<input checked="" type="checkbox"/>	644241.380	739200.228
MH 1.9	All	<input checked="" type="checkbox"/>	644285.584	739219.998
MH 1.70	All	<input checked="" type="checkbox"/>	644216.280	738954.648
MH 1.69	All	<input checked="" type="checkbox"/>	644203.774	738909.868
MH 1.81	All	<input checked="" type="checkbox"/>	644362.362	738817.303
MH 1.82	All	<input checked="" type="checkbox"/>	644399.489	738790.323
MH 1.84	All	<input checked="" type="checkbox"/>	644433.529	738780.816
MH 1.85	All	<input checked="" type="checkbox"/>	644444.885	738821.480
MH 1.89	All	<input checked="" type="checkbox"/>	644472.188	738908.091
MH 1.75	All	<input checked="" type="checkbox"/>	644462.855	738885.825
MH 1.65	All	<input checked="" type="checkbox"/>	644427.087	738895.800
MH 1.77	All	<input checked="" type="checkbox"/>	644360.923	738906.493
MH 1.71	All	<input checked="" type="checkbox"/>	644287.533	738935.064
MH 1.76	All	<input checked="" type="checkbox"/>	644279.654	738929.128
MH 1.59	All	<input checked="" type="checkbox"/>	644370.333	738951.366
MH 1.58	All	<input checked="" type="checkbox"/>	644441.966	738988.245
MH 1.61	All	<input checked="" type="checkbox"/>	644515.892	739021.279
MH 1.55	All	<input checked="" type="checkbox"/>	644549.689	739036.395
MH 1.10	All	<input checked="" type="checkbox"/>	644330.928	739240.212
MH 1.24	All	<input checked="" type="checkbox"/>	644348.930	739157.459
MH 1.33	All	<input checked="" type="checkbox"/>	644404.582	739084.653
MH 1.63	All	<input checked="" type="checkbox"/>	644561.545	739000.429
MH 1.78	All	<input checked="" type="checkbox"/>	644443.846	738883.334
MH 1.1	All	<input checked="" type="checkbox"/>	644159.679	739160.231
MH 1.13	All	<input checked="" type="checkbox"/>	644367.705	739200.018
MH 1.19	All	<input checked="" type="checkbox"/>	644188.397	739102.715
MH 1.22	All	<input checked="" type="checkbox"/>	644262.394	739135.778
MH 1.20	All	<input checked="" type="checkbox"/>	644199.296	739073.429
MH 1.23	All	<input checked="" type="checkbox"/>	644273.668	739106.742
MH 1.40	All	<input checked="" type="checkbox"/>	644222.491	739013.551
MH 1.41	All	<input checked="" type="checkbox"/>	644297.258	739046.912
MH 1.25	All	<input checked="" type="checkbox"/>	644348.342	739140.052
MH 1.29	All	<input checked="" type="checkbox"/>	644406.414	739113.351
MH 1.26	All	<input checked="" type="checkbox"/>	644333.461	739168.104
MH 1.45	All	<input checked="" type="checkbox"/>	644488.117	739129.837
MH 1.47	All	<input checked="" type="checkbox"/>	644325.550	739025.876
MH 1.48	All	<input checked="" type="checkbox"/>	644399.058	739058.844
MH 1.56	All	<input checked="" type="checkbox"/>	644356.390	738961.492
MH 1.57	All	<input checked="" type="checkbox"/>	644428.132	738993.361
MH 1.86	All	<input checked="" type="checkbox"/>	644433.162	738820.694
MH 1.88	All	<input checked="" type="checkbox"/>	644442.528	738853.296
MH 1.79	All	<input checked="" type="checkbox"/>	644320.118	738840.223
MH 1.66	All	<input checked="" type="checkbox"/>	644241.710	738862.395
MH 1.72	All	<input checked="" type="checkbox"/>	644263.421	738922.805
MH 1.64	All	<input checked="" type="checkbox"/>	644414.897	738880.380
MH 1.80	All	<input checked="" type="checkbox"/>	644322.033	738828.223
MH 1.2	All	<input checked="" type="checkbox"/>	644158.999	739175.005


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MH 1.4	All	<input checked="" type="checkbox"/>	644233.976	739193.537
MH 1.6	All	<input checked="" type="checkbox"/>	644301.703	739223.787
MH 1.3	All	<input checked="" type="checkbox"/>	644233.514	739208.747
MH 1.42	All	<input checked="" type="checkbox"/>	644374.109	739081.090
MH 1.39	All	<input checked="" type="checkbox"/>	644395.639	739073.946
MH 1.62	All	<input checked="" type="checkbox"/>	644502.852	739033.923
MH 1.49	All	<input checked="" type="checkbox"/>	644472.403	739091.407
MH 1.35	All	<input checked="" type="checkbox"/>	644160.615	738996.020
MH 1.34	All	<input checked="" type="checkbox"/>	644143.644	739009.272
MH 1.74	All	<input checked="" type="checkbox"/>	644337.648	738901.903
MH 1.73	All	<input checked="" type="checkbox"/>	644358.554	738915.144
MH 1.87	All	<input checked="" type="checkbox"/>	644454.237	738854.966
MH 1.68	All	<input checked="" type="checkbox"/>	644191.162	738866.234
MH 1.67	All	<input checked="" type="checkbox"/>	644232.613	738851.641
MH 1.83	All	<input checked="" type="checkbox"/>	644399.252	738818.009
MH 1.94	All	<input type="checkbox"/>		
MH 1.60	All	<input checked="" type="checkbox"/>	644404.973	738971.687
MH 1.93	All	<input checked="" type="checkbox"/>	644504.335	738979.707
MH 1.92	All	<input checked="" type="checkbox"/>	644466.637	738964.235
MH 1.27	All	<input checked="" type="checkbox"/>	644366.314	739165.280
MH 1.46	All	<input checked="" type="checkbox"/>	644517.872	739107.631
MH 1.90	All	<input checked="" type="checkbox"/>	644472.405	738919.180
MH 1.91	All	<input checked="" type="checkbox"/>	644469.762	738939.829
MH 1.95	All	<input checked="" type="checkbox"/>	644116.230	739021.285
MH 1.96	All	<input checked="" type="checkbox"/>	644085.007	739036.523
MH 1.97	All	<input checked="" type="checkbox"/>	644056.830	739068.098
MH 1.98	All	<input checked="" type="checkbox"/>	644031.067	739101.761
MH 1.99	All	<input type="checkbox"/>		
MH 1.100	All	<input checked="" type="checkbox"/>	643994.485	739148.159
MH 1.105	All	<input checked="" type="checkbox"/>	644215.514	739091.444
MH 1.104	All	<input checked="" type="checkbox"/>	644267.442	739114.688
MH 1.103	All	<input checked="" type="checkbox"/>	644319.387	739137.916
MH 1.102	All	<input checked="" type="checkbox"/>	644364.992	739158.323
MH 1.51	All	<input checked="" type="checkbox"/>	644433.665	739111.831
MH 1.101	All	<input checked="" type="checkbox"/>	644369.287	739144.927
MH 1.12	All	<input checked="" type="checkbox"/>	644347.194	739200.648
MH 1.106	All	<input checked="" type="checkbox"/>	644424.581	738985.387
MH 1.107	All	<input checked="" type="checkbox"/>	644481.677	739010.716
MH 1.108	All	<input checked="" type="checkbox"/>	644536.833	739035.250

Inlets


Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
MH 1.15	Inlet	CA1000 CA1050	(None)	No Restriction
MH 1.5	Inlet	1.3.000 CA1008	(None)	No Restriction
	Inlet (1)	1.1.002	(None)	No Restriction
MH 1.7	Inlet	CA1184	(None)	No Restriction
	Inlet (1)	1.1.003	(None)	No Restriction
MH 1.53	Inlet	CA1111	(None)	No Restriction
MH 1.54	Inlet	CA1115	(None)	No Restriction
	Inlet (1)	1.18.002	(None)	No Restriction
MH 1.50	Inlet	CA1116	(None)	No Restriction
	Inlet (1)	1.18.003	(None)	No Restriction
	Inlet (2)	1.1.013	(None)	No Restriction
MH 1.44	Inlet	CA1106 CA1109	(None)	No Restriction
	Inlet (1)	1.1.011	(None)	No Restriction
	Inlet (2)	1.16.000	(None)	No Restriction

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Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type								
MH 1.43	Inlet	1.32.000 CA1104	(None)	No Restriction								
	Inlet (1)	1.1.010	(None)	No Restriction								
MH 1.30	Inlet	CA1077 CA1187	(None)	No Restriction								
	Inlet (1)	1.1.009	(None)	No Restriction								
	Inlet (2)	1.13.002	(None)	No Restriction								
	Inlet (3)	1.14.005	(None)	No Restriction								
MH 1.38	Inlet	CA1084 CA1083	(None)	No Restriction								
	Inlet (1)	1.14.003	(None)	No Restriction								
MH 1.32	Inlet	CA1081 CA1080	(None)	No Restriction								
	Inlet (1)	1.13.000	(None)	No Restriction								
MH 1.37	Inlet	CA1090 CA1087 CA1088	(None)	No Restriction								
	Inlet (1)	1.14.002	(None)	No Restriction								
MH 1.31	Inlet (1)	CA1082	(None)	No Restriction								
MH 1.36	Inlet	1.14.001	(None)	No Restriction								
		CA1053										
		CA1091										
		CA1139										
MH 1.17	Inlet	CA1047 CA1052 CA1046	(None)	No Restriction								
		Inlet (1)			1.6.001	(None)	No Restriction					
MH 1.18	Inlet (1)	1.6.002 CA1045	(None)	No Restriction								
		Inlet (3)			1.7.000	(None)	No Restriction					
		Inlet (4)			1.8.000	(None)	No Restriction					
MH 1.21	Inlet (1)	1.6.003 CA1044	(None)	No Restriction								
		Inlet (4)			1.9.000	(None)	No Restriction					
		Inlet (5)			1.10.000	(None)	No Restriction					
MH 1.14	Inlet	CA1196 CA1038	(None)	No Restriction								
		Inlet (1)			1.1.006	(None)	No Restriction					
		Inlet (2)			1.6.006	(None)	No Restriction					
MH 1.11	Inlet (1)	1.1.004 1.4.002 CA1188 CA1186 CA1012	(None)	No Restriction								
		MH 1.28			Inlet (1)	1.1.007 1.33.000 CA1069	(None)	No Restriction				
						MH 1.16			Inlet	CA1049 CA1048	(None)	No Restriction
										Inlet (1)		
MH 1.8	Inlet (1)	CA1006	(None)	No Restriction								
MH 1.9	Inlet	CA1007	(None)	No Restriction								
		Inlet (1)	1.4.000	(None)	No Restriction							
MH 1.70	Inlet	CA1138 CA1140	(None)	No Restriction								
		Inlet (2)			1.23.003	(None)	No Restriction					

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Storm Phase: D1 Design	Company: Lally Chartered Engineers			


Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
MH 1.69	Inlet	1.23.002 CA1141 CA1142	(None)	No Restriction
MH 1.81	Inlet	CA1155	(None)	No Restriction
	Inlet (4)	1.27.001	(None)	No Restriction
MH 1.82	Inlet	1.28.000 CA1157 CA1156	(None)	No Restriction
MH 1.84	Inlet	CA1158	(None)	No Restriction
	Inlet (1)	1.27.003	(None)	No Restriction
MH 1.85	Inlet	CA1160	(None)	No Restriction
	Inlet (1)	1.27.004	(None)	No Restriction
	Inlet (5)	1.29.000	(None)	No Restriction
MH 1.89	Inlet	CA1172	(None)	No Restriction
	Inlet (1)	1.22.002	(None)	No Restriction
MH 1.75	Inlet	CA1171	(None)	No Restriction
	Inlet (1)	1.22.001	(None)	No Restriction
	Inlet (2)	1.26.002	(None)	No Restriction
	Inlet (3)	1.27.006	(None)	No Restriction
MH 1.65	Inlet	CA1170 CA1174	(None)	No Restriction
	Inlet (1)	1.23.006	(None)	No Restriction
	Inlet (3)	1.22.000	(None)	No Restriction
MH 1.77	Inlet	CA1175 CA1134	(None)	No Restriction
	Inlet (1)	1.26.000	(None)	No Restriction
MH 1.71	Inlet	CA1135 CA1137	(None)	No Restriction
	Inlet (1)	1.23.004	(None)	No Restriction
	Inlet (3)	1.24.000	(None)	No Restriction
MH 1.76	Inlet (1)	CA1136	(None)	No Restriction
MH 1.59	Inlet	CA1130 CA1132	(None)	No Restriction
MH 1.58	Inlet	CA1128	(None)	No Restriction
	Inlet (1)	1.20.001	(None)	No Restriction
	Inlet (2)	1.19.001	(None)	No Restriction
MH 1.61	Inlet	1.21.000 CA1125 CA1126	(None)	No Restriction
MH 1.55	Inlet	1.35.002 CA1122 CA1123 CA1124	(None)	No Restriction
MH 1.10	Inlet	1.4.001 CA1193	(None)	No Restriction
MH 1.24	Inlet	1.6.004 CA1195	(None)	No Restriction
MH 1.33	Inlet	1.13.001 CA1074 CA1078 CA1076	(None)	No Restriction
MH 1.63	Inlet	1.1.015	(None)	No Restriction

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Storm Phase: D1 Design	Company: Lally Chartered Engineers			

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
MH 1.78	Inlet	1.26.001 CA1183 CA1169 CA1173	(None)	No Restriction
MH 1.1	Inlet	CA1024 CA1023	(None)	No Restriction
MH 1.13	Inlet	1.1.005 1.34.000 CA1013	(None)	No Restriction
MH 1.19	Inlet	CA1025 CA1026	(None)	No Restriction
MH 1.22	Inlet	CA1027 CA1028	(None)	No Restriction
MH 1.20	Inlet	CA1054 CA1057	(None)	No Restriction
MH 1.23	Inlet	CA1058 CA1061	(None)	No Restriction
MH 1.40	Inlet	CA1056	(None)	No Restriction
	Inlet (1)	CA1055	(None)	No Restriction
MH 1.41	Inlet	CA1060 CA1059	(None)	No Restriction
	Inlet (1)	1.15.000	(None)	No Restriction
MH 1.25	Inlet	CA1062	(None)	No Restriction
MH 1.29	Inlet	1.1.008 CA1073	(None)	No Restriction
MH 1.26	Inlet	CA1029	(None)	No Restriction
MH 1.45	Inlet	CA1108	(None)	No Restriction
MH 1.47	Inlet	CA1094 CA1097	(None)	No Restriction
MH 1.48	Inlet	1.17.000 CA1103 CA1098 CA1101	(None)	No Restriction
MH 1.56	Inlet	CA1096 CA1095 CA1131	(None)	No Restriction
MH 1.57	Inlet	1.19.000 CA1100 CA1099	(None)	No Restriction
MH 1.86	Inlet	CA1161 CA1190	(None)	No Restriction
MH 1.88	Inlet	CA1189 CA1163	(None)	No Restriction
MH 1.79	Inlet	CA1153 CA1150	(None)	No Restriction
MH 1.66	Inlet	CA1149 CA1146	(None)	No Restriction
MH 1.72	Inlet	CA1147 CA1148	(None)	No Restriction
MH 1.64	Inlet	CA1167	(None)	No Restriction
MH 1.80	Inlet	1.27.000 CA1154 CA1145	(None)	No Restriction
MH 1.2	Inlet	1.1.000 CA1001 CA1051	(None)	No Restriction
MH 1.4	Inlet	CA1022 CA1021	(None)	No Restriction

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Storm Phase: D1 Design	Company: Lally Chartered Engineers			


Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
MH 1.6	Inlet	CA1019	(None)	No Restriction
MH 1.3	Inlet	1.2.000 1.1.001 CA1005 CA1004	(None)	No Restriction
MH 1.42	Inlet	1.15.001 CA1063 CA1064	(None)	No Restriction
MH 1.39	Inlet	1.14.004 1.15.002 CA1079	(None)	No Restriction
MH 1.62	Inlet	CA1120 CA1127	(None)	No Restriction
MH 1.49	Inlet	1.17.001 CA1105 CA1102 CA1119	(None)	No Restriction
MH 1.35	Inlet (1)	1.14.000	(None)	No Restriction
	Inlet (2)	CA1092	(None)	No Restriction
MH 1.34	Inlet	1.14.006 CA1093	(None)	No Restriction
MH 1.74	Inlet	CA1151 CA1152	(None)	No Restriction
MH 1.73	Inlet	1.23.005 1.25.000 CA1133	(None)	No Restriction
MH 1.87	Inlet	1.27.005 1.30.000 CA1165	(None)	No Restriction
MH 1.68	Inlet	1.23.001 CA1143	(None)	No Restriction
MH 1.67	Inlet	1.23.000	(None)	No Restriction
	Inlet (1)	CA1144	(None)	No Restriction
MH 1.83	Inlet	CA1162	(None)	No Restriction
MH 1.94	Inlet	No Delay	(None)	No Restriction
MH 1.60	Inlet	1.20.000 CA1129	(None)	No Restriction
MH 1.93	Inlet	1.22.006	(None)	No Restriction
MH 1.92	Inlet	1.22.005	(None)	No Restriction
MH 1.27	Inlet	1.6.005 1.31.003 CA1182 CA1194	(None)	No Restriction
MH 1.46	Inlet	1.1.012 1.17.002 CA1110	(None)	No Restriction
MH 1.90	Inlet	1.22.003	(None)	No Restriction
MH 1.91	Inlet	1.22.004	(None)	No Restriction
MH 1.95	Inlet	1.14.007 CA1176	(None)	No Restriction
MH 1.96	Inlet	CA1177 1.14.008	(None)	No Restriction
MH 1.97	Inlet	CA1178 1.14.009	(None)	No Restriction
MH 1.98	Inlet	CA1179 1.14.010	(None)	No Restriction
MH 1.99	Inlet	CA1180 1.14.011	(None)	No Restriction

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Storm Phase: D1 Design	Company: Lally Chartered Engineers			

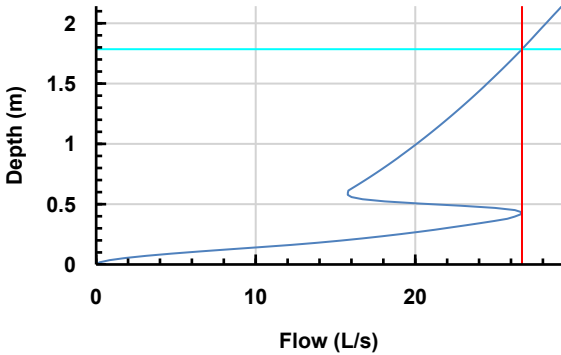
Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
MH 1.100	Inlet	CA1181	(None)	No Restriction
MH 1.105	Inlet	CA1197	(None)	No Restriction
MH 1.104	Inlet	CA1066 1.31.000	(None)	No Restriction
MH 1.103	Inlet	CA1068 1.31.001 CA1185	(None)	No Restriction
MH 1.102	Inlet	1.31.002	(None)	No Restriction
MH 1.51	Inlet	CA1107	(None)	No Restriction
MH 1.101	Inlet	CA1065 CA1071	(None)	No Restriction
MH 1.12	Inlet	CA1191 CA1192	(None)	No Restriction
MH 1.106	Inlet	CA1117	(None)	No Restriction
MH 1.107	Inlet	CA1118 1.35.000	(None)	No Restriction
MH 1.108	Inlet	1.35.001 CA1121	(None)	No Restriction


Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
MH 1.15	Outlet (1)	1.6.000	Free Discharge
MH 1.5	Outlet	1.1.003	Free Discharge
MH 1.7	Outlet	1.1.004	Free Discharge
MH 1.53	Outlet	1.18.002	Free Discharge
MH 1.54	Outlet	1.18.003	Free Discharge
MH 1.50	Outlet	1.1.014	Free Discharge
MH 1.44	Outlet	1.1.012	Free Discharge
MH 1.43	Outlet	1.1.011	Free Discharge
MH 1.30	Outlet	1.1.010	Free Discharge
MH 1.38	Outlet	1.14.004	Free Discharge
MH 1.32	Outlet	1.13.001	Free Discharge
MH 1.37	Outlet	1.14.003	Free Discharge
MH 1.31	Outlet	1.13.000	Free Discharge
MH 1.36	Outlet	1.14.002	Free Discharge
MH 1.17	Outlet	1.6.002	Free Discharge
MH 1.18	Outlet	1.6.003	Free Discharge
MH 1.21	Outlet	1.6.004	Free Discharge
MH 1.14	Outlet	1.1.007	Free Discharge
MH 1.11	Outlet	1.1.005	Free Discharge
MH 1.28	Outlet	1.1.008	Free Discharge
MH 1.16	Outlet	1.6.001	Free Discharge
MH 1.8	Outlet	1.4.000	Free Discharge
MH 1.9	Outlet	1.4.001	Free Discharge
MH 1.70	Outlet	1.23.004	Free Discharge
MH 1.69	Outlet	1.23.003	Free Discharge
MH 1.81	Outlet	1.27.002	Free Discharge
MH 1.82	Outlet	1.27.003	Free Discharge
MH 1.84	Outlet	1.27.004	Free Discharge
MH 1.85	Outlet	1.27.005	Free Discharge
MH 1.89	Outlet	1.22.003	Free Discharge
MH 1.75	Outlet	1.22.002	Free Discharge
MH 1.65	Outlet	1.22.001	Free Discharge
MH 1.77	Outlet	1.26.001	Free Discharge
MH 1.71	Outlet	1.23.005	Free Discharge
MH 1.76	Outlet	1.26.000	Free Discharge
MH 1.59	Outlet	1.20.000	Free Discharge
MH 1.58	Outlet	1.19.002	Free Discharge
MH 1.61	Outlet	1.19.003	Free Discharge
MH 1.55	Outlet	1.1.015	Free Discharge
MH 1.10	Outlet	1.4.002	Free Discharge
MH 1.24	Outlet	1.6.005	Free Discharge
MH 1.33	Outlet	1.13.002	Free Discharge
MH 1.63	Outlet	1.1.016	Free Discharge


Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Storm Phase: D1 Design	Company: Lally Chartered Engineers			

Junction	Outlet Name	Outgoing Connection	Outlet Type
MH 1.78	Outlet	1.26.002	Free Discharge
MH 1.1	Outlet	1.1.000	Free Discharge
MH 1.13	Outlet	1.1.006	Free Discharge
MH 1.19	Outlet	1.7.000	Free Discharge
MH 1.22	Outlet	1.9.000	Free Discharge
MH 1.20	Outlet	1.8.000	Free Discharge
MH 1.23	Outlet	1.10.000	Free Discharge
MH 1.40	Outlet	1.15.000	Free Discharge
MH 1.41	Outlet	1.15.001	Free Discharge
MH 1.25	Outlet	1.11.000	Free Discharge
MH 1.29	Outlet	1.1.009	Free Discharge
MH 1.26	Outlet	1.12.000	Free Discharge
MH 1.45	Outlet	1.16.000	Free Discharge
MH 1.47	Outlet	1.17.000	Free Discharge
MH 1.48	Outlet	1.17.001	Free Discharge
MH 1.56	Outlet	1.19.000	Free Discharge
MH 1.57	Outlet	1.19.001	Free Discharge
MH 1.86	Outlet	1.29.000	Free Discharge
MH 1.88	Outlet	1.30.000	Free Discharge
MH 1.79	Outlet	1.27.000	Free Discharge
MH 1.66	Outlet	1.23.000	Free Discharge
MH 1.72	Outlet	1.24.000	Free Discharge
MH 1.64	Outlet	1.22.000	Free Discharge
MH 1.80	Outlet	1.27.001	Free Discharge
MH 1.2	Outlet	1.1.001	Free Discharge
MH 1.4	Outlet	1.2.000	Free Discharge
MH 1.6	Outlet	1.3.000	Free Discharge
MH 1.3	Outlet	1.1.002	Free Discharge
MH 1.42	Outlet	1.15.002	Free Discharge
MH 1.39	Outlet	1.14.005	Free Discharge
MH 1.62	Outlet	1.21.000	Free Discharge
MH 1.49	Outlet	1.17.002	Free Discharge
MH 1.35	Outlet	1.14.001	Free Discharge
MH 1.34	Outlet	1.14.000	Free Discharge
MH 1.74	Outlet	1.25.000	Free Discharge
MH 1.73	Outlet	1.23.006	Free Discharge
MH 1.87	Outlet	1.27.006	Free Discharge
MH 1.68	Outlet	1.23.002	Free Discharge
MH 1.67	Outlet	1.23.001	Free Discharge
MH 1.83	Outlet	1.28.000	Free Discharge

MH 1.94	Outlet	(None)	Hydro-Brake®	
	Invert Level (m)		102.715	
	Design Depth (m)		1.785	
	Design Flow (L/s)		26.7	
	Objective	Minimise Upstream Storage Requirements		
	Application	Surface Water Only		
	Sump Available	<input type="checkbox"/>		
	Unit Reference	CHE-0200-2670-1785-2670		
				
	MH 1.60	Outlet	1.20.001	Free Discharge

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Storm Phase: D1 Design	Company: Lally Chartered Engineers			

Junction	Outlet Name	Outgoing Connection	Outlet Type
MH 1.93	Outlet	1.22.007	Free Discharge
MH 1.92	Outlet	1.22.006	Free Discharge
MH 1.27	Outlet	1.6.006	Free Discharge
MH 1.46	Outlet	1.1.013	Free Discharge
MH 1.90	Outlet	1.22.004	Free Discharge
MH 1.91	Outlet	1.22.005	Free Discharge
MH 1.95	Outlet	1.14.006	Free Discharge
MH 1.96	Outlet	1.14.007	Free Discharge
MH 1.97	Outlet	1.14.008	Free Discharge
MH 1.98	Outlet	1.14.009	Free Discharge
MH 1.99	Outlet	1.14.010	Free Discharge
MH 1.100	Outlet	1.14.011	Free Discharge
MH 1.105	Outlet	1.31.000	Free Discharge
MH 1.104	Outlet	1.31.001	Free Discharge
MH 1.103	Outlet	1.31.002	Free Discharge
MH 1.102	Outlet	1.31.003	Free Discharge
MH 1.51	Outlet	1.32.000	Free Discharge
MH 1.101	Outlet	1.33.000	Free Discharge
MH 1.12	Outlet	1.34.000	Free Discharge
MH 1.106	Outlet	1.35.000	Free Discharge
MH 1.107	Outlet	1.35.001	Free Discharge
MH 1.108	Outlet	1.35.002	Free Discharge

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Stormwater Controls Storm Phase: D1 Design	Company: Lally Chartered Engineers			



Pond

Type : Pond

Dimensions

Exceedance Level (m)	104.300
Depth (m)	1.800
Base Level (m)	102.500
Freeboard (mm)	300
Initial Depth (m)	0.300
Porosity (%)	100
Average Slope (1:X)	4.00
Total Volume (m³)	8513.522

Depth (m)	Area (m²)	Volume (m³)
0.000	4894.007	0.000
1.800	6842.408	10513.915

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	1.1.016
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	1.22.007
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	No Delay
Outlet Type	Free Discharge


Advanced

Perimeter	Circular
Length (m)	141.332
Friction Scheme	Manning's n
n	0.03

Project: ADMIRAL	Date: 09/03/2026		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Connections Storm Phase: D1 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)
1.1.003	48.159	Pipe	150.000	0.011	450	110.850	107.395	108.900
1.4.000	48.424	Pipe	80.000	0.011	225	110.750	108.800	110.750
1.4.001	49.645	Pipe	80.000	0.011	225	110.750	108.195	109.500
1.4.002	26.733	Pipe	80.000	0.011	225	109.500	107.574	108.740
1.1.004	31.202	Pipe	150.000	0.011	450	108.900	107.074	108.740
1.6.000	46.764	Pipe	180.000	0.011	300	110.750	109.250	110.575
1.6.001	46.991	Pipe	180.000	0.011	375	110.575	108.990	110.400
1.6.002	66.975	Pipe	180.000	0.011	375	110.400	108.729	110.700
1.6.003	80.243	Pipe	180.000	0.011	525	110.700	108.357	110.815
1.6.004	78.808	Pipe	180.000	0.011	525	110.815	107.911	109.670
1.18.002	20.019	Pipe	100.000	0.011	225	106.000	104.300	106.000
1.18.003	8.983	Pipe	100.000	0.011	225	106.000	104.100	106.075
1.1.007	31.824	Pipe	150.000	0.011	750	108.400	106.450	108.300
1.13.000	62.447	Pipe	65.000	0.011	225	110.500	108.800	110.000
1.13.001	62.463	Pipe	65.000	0.011	225	110.000	107.839	109.000
1.13.002	14.853	Pipe	65.000	0.011	225	109.000	106.878	108.100
1.14.002	63.418	Pipe	70.000	0.011	300	112.000	110.470	111.400
1.14.003	88.920	Pipe	70.000	0.011	300	111.400	109.564	110.410
1.1.010	44.136	Pipe	200.000	0.011	900	108.100	104.120	106.400
1.1.011	55.282	Pipe	200.000	0.011	900	106.400	103.899	106.200
1.1.014	31.627	Pipe	220.000	0.011	975	106.075	103.318	106.000
1.1.015	37.870	Pipe	220.000	0.011	975	106.000	103.174	105.500
1.19.002	80.971	Pipe	100.000	0.011	450	106.660	104.354	106.200
1.19.003	37.023	Pipe	100.000	0.011	450	106.200	103.544	106.000
1.23.004	73.895	Pipe	200.000	0.011	450	112.650	110.625	112.970
1.22.001	37.133	Pipe	200.000	0.011	450	112.870	109.531	112.650
1.26.000	84.362	Pipe	150.000	0.011	225	112.750	111.250	113.000
1.26.001	86.097	Pipe	150.000	0.011	225	113.000	110.688	112.650
1.26.002	19.171	Pipe	150.000	0.011	225	112.650	110.114	112.650
1.23.003	46.494	Pipe	200.000	0.011	450	112.870	110.858	112.650
1.27.002	45.895	Pipe	150.000	0.011	375	113.030	111.002	112.830
1.27.003	35.343	Pipe	150.000	0.011	450	112.830	110.696	112.650
1.27.004	42.220	Pipe	150.000	0.011	450	112.650	110.460	112.820
1.22.002	24.143	Pipe	100.000	0.011	525	112.650	108.650	110.900
1.1.005	31.238	Pipe	150.000	0.011	525	108.740	106.866	108.570
1.1.006	31.175	Pipe	150.000	0.011	525	108.570	106.658	108.400
1.7.000	18.397	Pipe	100.000	0.011	300	110.750	109.250	110.700
1.9.000	17.948	Pipe	150.000	0.011	300	110.750	109.250	110.815
1.11.000	17.417	Pipe	100.000	0.011	300	110.000	108.344	109.670
1.1.008	31.920	Pipe	150.000	0.011	750	108.300	106.238	108.200
1.1.009	31.829	Pipe	150.000	0.011	750	108.200	106.025	108.100
1.12.000	18.777	Pipe	100.000	0.011	300	110.750	108.358	109.670
1.16.000	22.624	Pipe	150.000	0.011	450	106.400	103.774	106.200
1.19.001	14.750	Pipe	180.000	0.011	375	106.500	104.855	106.660
1.29.000	11.750	Pipe	60.000	0.011	225	112.750	111.225	112.820
1.24.000	27.049	Pipe	60.000	0.011	300	112.650	110.707	112.970
1.22.000	19.657	Pipe	60.000	0.011	300	112.650	111.000	112.870
1.8.000	19.624	Pipe	150.000	0.011	300	110.000	108.488	110.700
1.10.000	18.864	Pipe	80.000	0.011	300	110.000	108.147	110.815
1.27.001	41.781	Pipe	150.000	0.011	375	113.200	111.281	113.030
1.3.000	14.026	Pipe	100.000	0.011	300	110.750	109.175	110.850
1.1.002	70.899	Pipe	150.000	0.011	375	111.200	108.531	110.850
1.2.000	15.217	Pipe	60.000	0.011	300	110.750	108.785	111.200
1.14.004	83.554	Pipe	70.000	0.011	300	110.410	108.294	109.540
1.14.005	25.950	Pipe	120.000	0.011	450	109.540	106.409	108.100
1.15.002	22.684	Pipe	180.000	0.011	450	109.890	107.478	109.540
1.1.000	14.790	Pipe	150.000	0.011	300	110.750	109.175	111.035

Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Connections Storm Phase: D1 Design	Company: Lally Chartered Engineers			

1.21.000	18.163	Pipe	60.000	0.011	300	106.500	104.123	106.200
1.14.000	21.532	Pipe	40.000	0.011	225	114.250	111.552	112.700
1.14.001	27.210	Pipe	50.000	0.011	225	112.700	111.014	112.000
1.23.005	73.763	Pipe	200.000	0.011	450	112.970	110.256	113.290
1.23.006	71.210	Pipe	200.000	0.011	450	113.290	109.887	112.870
1.25.000	24.746	Pipe	60.000	0.011	300	112.650	110.299	113.290
1.27.005	34.767	Pipe	150.000	0.011	450	112.820	110.179	112.820
1.27.006	32.041	Pipe	150.000	0.011	450	112.820	109.947	112.650
1.30.000	11.827	Pipe	60.000	0.011	225	112.750	110.144	112.820
1.23.002	45.421	Pipe	200.000	0.011	450	112.650	111.085	112.870
1.23.001	43.944	Pipe	200.000	0.011	450	112.865	111.305	112.650
1.23.000	14.085	Pipe	200.000	0.011	375	112.650	111.375	112.865
1.27.000	12.152	Pipe	150.000	0.011	375	112.650	111.362	113.200
1.28.000	27.688	Pipe	60.000	0.011	300	112.650	111.157	112.830
1.1.001	81.799	Pipe	150.000	0.011	375	111.035	109.076	111.200
1.17.000	80.562	Pipe	180.000	0.011	450	106.500	104.691	106.500
1.17.001	80.248	Pipe	180.000	0.011	450	106.500	104.243	106.500
1.19.000	78.502	Pipe	180.000	0.011	375	106.500	105.291	106.500
1.20.000	40.161	Pipe	40.000	0.011	150	110.750	107.887	108.455
1.20.001	40.530	Pipe	40.000	0.011	225	108.455	105.786	106.660
1.15.000	81.873	Pipe	180.000	0.011	375	110.000	108.400	110.000
1.15.001	84.108	Pipe	180.000	0.011	450	110.000	107.945	109.890
1.1.016	22.508	Pipe	220.000	0.011	975	105.500	103.002	104.000
1.22.007	17.681	Pipe	100.000	0.011	525	106.000	103.001	104.300
1.22.006	40.749	Pipe	100.000	0.011	525	107.000	103.408	106.000
1.6.005	19.062	Pipe	200.000	0.011	525	109.670	106.847	108.970
1.6.006	15.408	Pipe	200.000	0.011	525	108.970	106.752	108.400
1.1.012	18.884	Pipe	200.000	0.011	900	106.200	103.623	106.157
1.1.013	46.392	Pipe	220.000	0.011	975	106.157	103.529	106.075
1.17.002	48.277	Pipe	180.000	0.011	450	106.500	103.797	106.157
1.22.003	11.090	Pipe	100.000	0.011	525	110.900	106.900	108.000
1.22.004	20.818	Pipe	100.000	0.011	525	108.000	105.000	107.000
1.22.005	24.605	Pipe	100.000	0.011	525	107.000	104.792	107.000
1.14.011	25.601	Pipe	60.000	0.011	225	119.000	117.427	118.500
1.14.010	33.489	Pipe	60.000	0.011	225	118.500	117.000	118.000
1.14.009	42.390	Pipe	60.000	0.011	225	118.000	116.442	117.500
1.14.008	42.319	Pipe	60.000	0.011	225	117.500	115.735	117.000
1.14.007	34.743	Pipe	60.000	0.011	225	117.000	115.030	116.500
1.14.006	29.930	Pipe	40.000	0.011	225	116.500	113.498	114.250
No Delay	15.410	Pipe	181.545	0.011	225	104.300	102.800	104.500
1.31.000	56.894	Pipe	80.000	0.011	225	110.700	108.888	110.650
1.31.001	56.901	Pipe	80.000	0.011	225	110.650	108.177	110.400
1.31.002	49.963	Pipe	80.000	0.011	225	110.400	107.466	109.000
1.31.003	7.082	Pipe	80.000	0.011	225	109.000	106.841	108.970
1.32.000	27.734	Pipe	60.000	0.011	300	106.900	104.361	106.400
1.33.000	24.233	Pipe	40.000	0.011	225	109.890	106.844	108.300
1.34.000	20.521	Pipe	40.000	0.011	225	110.250	107.171	108.570
1.35.000	62.462	Pipe	100.000	0.011	225	106.600	105.100	106.450
1.35.001	60.367	Pipe	100.000	0.011	225	106.450	104.475	106.150
1.35.002	12.907	Pipe	100.000	0.011	225	106.150	103.871	106.000

Name	Downstream Invert Level (m)	Part Family	Lock	Culvert Type	Culvert Entrance	Wall Thickness (mm)	Material	Trench Width (mm)
1.1.003	107.074		All	(None)	(None)	0		0
1.4.000	108.195		All	(None)	(None)	0		0
1.4.001	107.574		All	(None)	(None)	0		0
1.4.002	107.240		All	(None)	(None)	0		0
1.1.004	106.866		All	(None)	(None)	0		0
1.6.000	108.990		All	(None)	(None)	0		0
1.6.001	108.729		All	(None)	(None)	0		0

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Report Details: Type: Connections Storm Phase: D1 Design	Company: Lally Chartered Engineers			


1.6.002	108.357	All	(None)	(None)	0	0
1.6.003	107.911	All	(None)	(None)	0	0
1.6.004	107.473	All	(None)	(None)	0	0
1.18.002	104.100	All	(None)	(None)	0	0
1.18.003	104.010	All	(None)	(None)	0	0
1.1.007	106.238	All	(None)	(None)	0	0
1.13.000	107.839	All	(None)	(None)	0	0
1.13.001	106.878	All	(None)	(None)	0	0
1.13.002	106.649	All	(None)	(None)	0	0
1.14.002	109.564	All	(None)	(None)	0	0
1.14.003	108.294	All	(None)	(None)	0	0
1.1.010	103.899	All	(None)	(None)	0	0
1.1.011	103.623	All	(None)	(None)	0	0
1.1.014	103.174	All	(None)	(None)	0	0
1.1.015	103.002	All	(None)	(None)	0	0
1.19.002	103.544	All	(None)	(None)	0	0
1.19.003	103.174	All	(None)	(None)	0	0
1.23.004	110.256	All	(None)	(None)	0	0
1.22.001	109.345	All	(None)	(None)	0	0
1.26.000	110.688	All	(None)	(None)	0	0
1.26.001	110.114	All	(None)	(None)	0	0
1.26.002	109.986	All	(None)	(None)	0	0
1.23.003	110.625	All	(None)	(None)	0	0
1.27.002	110.696	All	(None)	(None)	0	0
1.27.003	110.460	All	(None)	(None)	0	0
1.27.004	110.179	All	(None)	(None)	0	0
1.22.002	108.409	All	(None)	(None)	0	0
1.1.005	106.658	All	(None)	(None)	0	0
1.1.006	106.450	All	(None)	(None)	0	0
1.7.000	109.066	All	(None)	(None)	0	0
1.9.000	109.130	All	(None)	(None)	0	0
1.11.000	108.170	All	(None)	(None)	0	0
1.1.008	106.025	All	(None)	(None)	0	0
1.1.009	105.813	All	(None)	(None)	0	0
1.12.000	108.170	All	(None)	(None)	0	0
1.16.000	103.623	All	(None)	(None)	0	0
1.19.001	104.773	All	(None)	(None)	0	0
1.29.000	111.029	All	(None)	(None)	0	0
1.24.000	110.256	All	(None)	(None)	0	0
1.22.000	110.672	All	(None)	(None)	0	0
1.8.000	108.357	All	(None)	(None)	0	0
1.10.000	107.911	All	(None)	(None)	0	0
1.27.001	111.002	All	(None)	(None)	0	0
1.3.000	109.035	All	(None)	(None)	0	0
1.1.002	108.058	All	(None)	(None)	0	0
1.2.000	108.531	All	(None)	(None)	0	0
1.14.004	107.100	All	(None)	(None)	0	0
1.14.005	106.193	All	(None)	(None)	0	0
1.15.002	107.352	All	(None)	(None)	0	0
1.1.000	109.076	All	(None)	(None)	0	0
1.21.000	103.820	All	(None)	(None)	0	0
1.14.000	111.014	All	(None)	(None)	0	0
1.14.001	110.470	All	(None)	(None)	0	0
1.23.005	109.887	All	(None)	(None)	0	0
1.23.006	109.531	All	(None)	(None)	0	0
1.25.000	109.887	All	(None)	(None)	0	0
1.27.005	109.947	All	(None)	(None)	0	0
1.27.006	109.733	All	(None)	(None)	0	0
1.30.000	109.947	All	(None)	(None)	0	0
1.23.002	110.858	All	(None)	(None)	0	0

Project: ADMIRAL	Date: 09/03/2026		
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1.23.001	111.085	All	(None)	(None)	0	0
1.23.000	111.305	All	(None)	(None)	0	0
1.27.000	111.281	All	(None)	(None)	0	0
1.28.000	110.696	All	(None)	(None)	0	0
1.1.001	108.531	All	(None)	(None)	0	0
1.17.000	104.243	All	(None)	(None)	0	0
1.17.001	103.797	All	(None)	(None)	0	0
1.19.000	104.855	All	(None)	(None)	0	0
1.20.000	106.883	All	(None)	(None)	0	0
1.20.001	104.773	All	(None)	(None)	0	0
1.15.000	107.945	All	(None)	(None)	0	0
1.15.001	107.478	All	(None)	(None)	0	0
1.1.016	102.900	All	(None)	(None)	0	0
1.22.007	102.824	All	(None)	(None)	0	0
1.22.006	103.001	All	(None)	(None)	0	0
1.6.005	106.752	All	(None)	(None)	0	0
1.6.006	106.675	All	(None)	(None)	0	0
1.1.012	103.529	All	(None)	(None)	0	0
1.1.013	103.318	All	(None)	(None)	0	0
1.17.002	103.529	All	(None)	(None)	0	0
1.22.003	106.789	All	(None)	(None)	0	0
1.22.004	104.792	All	(None)	(None)	0	0
1.22.005	104.546	All	(None)	(None)	0	0
1.14.011	117.000	All	(None)	(None)	0	0
1.14.010	116.442	All	(None)	(None)	0	0
1.14.009	115.735	All	(None)	(None)	0	0
1.14.008	115.030	All	(None)	(None)	0	0
1.14.007	114.451	All	(None)	(None)	0	0
1.14.006	112.750	All	(None)	(None)	0	0
No Delay	102.715	All	(None)	(None)	0	0
1.31.000	108.177	All	(None)	(None)	0	0
1.31.001	107.466	All	(None)	(None)	0	0
1.31.002	106.841	All	(None)	(None)	0	0
1.31.003	106.752	All	(None)	(None)	0	0
1.32.000	103.899	All	(None)	(None)	0	0
1.33.000	106.238	All	(None)	(None)	0	0
1.34.000	106.658	All	(None)	(None)	0	0
1.35.000	104.475	All	(None)	(None)	0	0
1.35.001	103.871	All	(None)	(None)	0	0
1.35.002	103.742	All	(None)	(None)	0	0


Name	Bedding Material	Surrounding Material
1.1.003		
1.4.000		
1.4.001		
1.4.002		
1.1.004		
1.6.000		
1.6.001		
1.6.002		
1.6.003		
1.6.004		
1.18.002		
1.18.003		
1.1.007		
1.13.000		
1.13.001		
1.13.002		
1.14.002		
1.14.003		

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1.1.010		
1.1.011		
1.1.014		
1.1.015		
1.19.002		
1.19.003		
1.23.004		
1.22.001		
1.26.000		
1.26.001		
1.26.002		
1.23.003		
1.27.002		
1.27.003		
1.27.004		
1.22.002		
1.1.005		
1.1.006		
1.7.000		
1.9.000		
1.11.000		
1.1.008		
1.1.009		
1.12.000		
1.16.000		
1.19.001		
1.29.000		
1.24.000		
1.22.000		
1.8.000		
1.10.000		
1.27.001		
1.3.000		
1.1.002		
1.2.000		
1.14.004		
1.14.005		
1.15.002		
1.1.000		
1.21.000		
1.14.000		
1.14.001		
1.23.005		
1.23.006		
1.25.000		
1.27.005		
1.27.006		
1.30.000		
1.23.002		
1.23.001		
1.23.000		
1.27.000		
1.28.000		
1.1.001		
1.17.000		
1.17.001		
1.19.000		
1.20.000		
1.20.001		
1.15.000		

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1.15.001		
1.1.016		
1.22.007		
1.22.006		
1.6.005		
1.6.006		
1.1.012		
1.1.013		
1.17.002		
1.22.003		
1.22.004		
1.22.005		
1.14.011		
1.14.010		
1.14.009		
1.14.008		
1.14.007		
1.14.006		
No Delay		
1.31.000		
1.31.001		
1.31.002		
1.31.003		
1.32.000		
1.33.000		
1.34.000		
1.35.000		
1.35.001		
1.35.002		

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Report Details: Type: Inflow Summary Storm Phase: D1 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)
CA1000	MH 1.15		Time of Concentration	0.017	100	0	100	0.017
CA1001	MH 1.2		Time of Concentration	0.033	100	0	100	0.033
CA1004	MH 1.3		Time of Concentration	0.037	100	0	100	0.037
CA1005	MH 1.3		Time of Concentration	0.037	100	0	100	0.037
CA1006	MH 1.8		Time of Concentration	0.028	100	0	100	0.028
CA1007	MH 1.9		Time of Concentration	0.024	100	0	100	0.024
CA1008	MH 1.5		Time of Concentration	0.031	100	0	100	0.031
CA1012	MH 1.11		Time of Concentration	0.023	100	0	100	0.023
CA1013	MH 1.13		Time of Concentration	0.021	100	0	100	0.021
CA1019	MH 1.6		Time of Concentration	0.135	100	0	100	0.135
CA1021	MH 1.4		Time of Concentration	0.133	100	0	100	0.133
CA1022	MH 1.4		Time of Concentration	0.135	100	0	100	0.135
CA1023	MH 1.1		Time of Concentration	0.134	100	0	100	0.134
CA1024	MH 1.1		Time of Concentration	0.143	100	0	100	0.143
CA1025	MH 1.19		Time of Concentration	0.138	100	0	100	0.138
CA1026	MH 1.19		Time of Concentration	0.134	100	0	100	0.134
CA1027	MH 1.22		Time of Concentration	0.134	100	0	100	0.134
CA1028	MH 1.22		Time of Concentration	0.133	100	0	100	0.133
CA1029	MH 1.26		Time of Concentration	0.132	100	0	100	0.132
CA1038	MH 1.14		Time of Concentration	0.025	100	0	100	0.025
CA1044	MH 1.21		Time of Concentration	0.057	100	0	100	0.057
CA1045	MH 1.18		Time of Concentration	0.061	100	0	100	0.061
CA1046	MH 1.17		Time of Concentration	0.012	100	0	100	0.012
CA1047	MH 1.17		Time of Concentration	0.031	100	0	100	0.031
CA1048	MH 1.16		Time of Concentration	0.025	100	0	100	0.025
CA1049	MH 1.16		Time of Concentration	0.013	100	0	100	0.013
CA1050	MH 1.15		Time of Concentration	0.014	100	0	100	0.014
CA1051	MH 1.2		Time of Concentration	0.025	100	0	100	0.025
CA1052	MH 1.17		Time of Concentration	0.067	100	0	100	0.067
CA1053	MH 1.36		Time of Concentration	0.053	100	0	100	0.053
CA1054	MH 1.20		Time of Concentration	0.153	100	0	100	0.153
CA1055	MH 1.40		Time of Concentration	0.139	100	0	100	0.139
CA1056	MH 1.40		Time of Concentration	0.136	100	0	100	0.136

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CA1057	MH 1.20		Time of Concentration	0.136	100	0	100	0.136
CA1058	MH 1.23		Time of Concentration	0.134	100	0	100	0.134
CA1059	MH 1.41		Time of Concentration	0.134	100	0	100	0.134
CA1060	MH 1.41		Time of Concentration	0.134	100	0	100	0.134
CA1061	MH 1.23		Time of Concentration	0.135	100	0	100	0.135
CA1062	MH 1.25		Time of Concentration	0.132	100	0	100	0.132
CA1063	MH 1.42		Time of Concentration	0.132	100	0	100	0.132
CA1064	MH 1.42		Time of Concentration	0.047	100	0	100	0.047
CA1065	MH 1.101		Time of Concentration	0.079	100	0	100	0.079
CA1066	MH 1.104		Time of Concentration	0.021	100	0	100	0.021
CA1068	MH 1.103		Time of Concentration	0.045	100	0	100	0.045
CA1069	MH 1.28		Time of Concentration	0.022	100	0	100	0.022
CA1071	MH 1.101		Time of Concentration	0.029	100	0	100	0.029
CA1073	MH 1.29		Time of Concentration	0.022	100	0	100	0.022
CA1074	MH 1.33		Time of Concentration	0.033	100	0	100	0.033
CA1076	MH 1.33		Time of Concentration	0.065	100	0	100	0.065
CA1077	MH 1.30		Time of Concentration	0.045	100	0	100	0.045
CA1078	MH 1.33		Time of Concentration	0.028	100	0	100	0.028
CA1079	MH 1.39		Time of Concentration	0.033	100	0	100	0.033
CA1080	MH 1.32		Time of Concentration	0.025	100	0	100	0.025
CA1081	MH 1.32		Time of Concentration	0.040	100	0	100	0.040
CA1082	MH 1.31		Time of Concentration	0.033	100	0	100	0.033
CA1083	MH 1.38		Time of Concentration	0.034	100	0	100	0.034
CA1084	MH 1.38		Time of Concentration	0.048	100	0	100	0.048
CA1087	MH 1.37		Time of Concentration	0.031	100	0	100	0.031
CA1088	MH 1.37		Time of Concentration	0.035	100	0	100	0.035
CA1090	MH 1.37		Time of Concentration	0.035	100	0	100	0.035
CA1091	MH 1.36		Time of Concentration	0.020	100	0	100	0.020
CA1092	MH 1.35		Time of Concentration	0.016	100	0	100	0.016
CA1093	MH 1.34		Time of Concentration	0.030	100	0	100	0.030
CA1094	MH 1.47		Time of Concentration	0.154	100	0	100	0.154
CA1095	MH 1.56		Time of Concentration	0.141	100	0	100	0.141
CA1096	MH 1.56		Time of Concentration	0.135	100	0	100	0.135
CA1097	MH 1.47		Time of Concentration	0.135	100	0	100	0.135
CA1098	MH 1.48		Time of Concentration	0.134	100	0	100	0.134

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Inflow Summary Storm Phase: D1 Design	Company: Lally Chartered Engineers			

CA1099	MH 1.57		Time of Concentration	0.134	100	0	100	0.134
CA1100	MH 1.57		Time of Concentration	0.134	100	0	100	0.134
CA1101	MH 1.48		Time of Concentration	0.134	100	0	100	0.134
CA1102	MH 1.49		Time of Concentration	0.130	100	0	100	0.130
CA1103	MH 1.48		Time of Concentration	0.034	100	0	100	0.034
CA1104	MH 1.43		Time of Concentration	0.066	100	0	100	0.066
CA1105	MH 1.49		Time of Concentration	0.022	100	0	100	0.022
CA1106	MH 1.44		Time of Concentration	0.023	100	0	100	0.023
CA1107	MH 1.51		Time of Concentration	0.048	100	0	100	0.048
CA1108	MH 1.45		Time of Concentration	0.134	100	0	100	0.134
CA1109	MH 1.44		Time of Concentration	0.048	100	0	100	0.048
CA1110	MH 1.46		Time of Concentration	0.046	100	0	100	0.046
CA1111	MH 1.53		Time of Concentration	0.015	100	0	100	0.015
CA1115	MH 1.54		Time of Concentration	0.013	100	0	100	0.013
CA1116	MH 1.50		Time of Concentration	0.026	100	0	100	0.026
CA1117	MH 1.106		Time of Concentration	0.028	100	0	100	0.028
CA1118	MH 1.107		Time of Concentration	0.044	100	0	100	0.044
CA1119	MH 1.49		Time of Concentration	0.080	100	0	100	0.080
CA1120	MH 1.62		Time of Concentration	0.047	100	0	100	0.047
CA1121	MH 1.108		Time of Concentration	0.010	100	0	100	0.010
CA1122	MH 1.55		Time of Concentration	0.017	100	0	100	0.017
CA1123	MH 1.55		Time of Concentration	0.021	100	0	100	0.021
CA1124	MH 1.55		Time of Concentration	0.014	100	0	100	0.014
CA1125	MH 1.61		Time of Concentration	0.046	100	0	100	0.046
CA1126	MH 1.61		Time of Concentration	0.025	100	0	100	0.025
CA1127	MH 1.62		Time of Concentration	0.134	100	0	100	0.134
CA1128	MH 1.58		Time of Concentration	0.032	100	0	100	0.032
CA1129	MH 1.60		Time of Concentration	0.036	100	0	100	0.036
CA1130	MH 1.59		Time of Concentration	0.029	100	0	100	0.029
CA1131	MH 1.56		Time of Concentration	0.059	100	0	100	0.059
CA1132	MH 1.59		Time of Concentration	0.040	100	0	100	0.040
CA1133	MH 1.73		Time of Concentration	0.023	100	0	100	0.023
CA1134	MH 1.77		Time of Concentration	0.035	100	0	100	0.035
CA1135	MH 1.71		Time of Concentration	0.024	100	0	100	0.024
CA1136	MH 1.76		Time of Concentration	0.034	100	0	100	0.034


Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Inflow Summary Storm Phase: D1 Design	Company: Lally Chartered Engineers			

CA1137	MH 1.71		Time of Concentration	0.035	100	0	100	0.035
CA1138	MH 1.70		Time of Concentration	0.034	100	0	100	0.034
CA1139	MH 1.36		Time of Concentration	0.025	100	0	100	0.025
CA1140	MH 1.70		Time of Concentration	0.023	100	0	100	0.023
CA1141	MH 1.69		Time of Concentration	0.023	100	0	100	0.023
CA1142	MH 1.69		Time of Concentration	0.065	100	0	100	0.065
CA1143	MH 1.68		Time of Concentration	0.019	100	0	100	0.019
CA1144	MH 1.67		Time of Concentration	0.060	100	0	100	0.060
CA1145	MH 1.80		Time of Concentration	0.106	100	0	100	0.106
CA1146	MH 1.66		Time of Concentration	0.155	100	0	100	0.155
CA1147	MH 1.72		Time of Concentration	0.142	100	0	100	0.142
CA1148	MH 1.72		Time of Concentration	0.134	100	0	100	0.134
CA1149	MH 1.66		Time of Concentration	0.133	100	0	100	0.133
CA1150	MH 1.79		Time of Concentration	0.134	100	0	100	0.134
CA1151	MH 1.74		Time of Concentration	0.134	100	0	100	0.134
CA1152	MH 1.74		Time of Concentration	0.134	100	0	100	0.134
CA1153	MH 1.79		Time of Concentration	0.134	100	0	100	0.134
CA1154	MH 1.80		Time of Concentration	0.046	100	0	100	0.046
CA1155	MH 1.81		Time of Concentration	0.016	100	0	100	0.016
CA1156	MH 1.82		Time of Concentration	0.027	100	0	100	0.027
CA1157	MH 1.82		Time of Concentration	0.091	100	0	100	0.091
CA1158	MH 1.84		Time of Concentration	0.034	100	0	100	0.034
CA1160	MH 1.85		Time of Concentration	0.032	100	0	100	0.032
CA1161	MH 1.86		Time of Concentration	0.046	100	0	100	0.046
CA1162	MH 1.83		Time of Concentration	0.134	100	0	100	0.134
CA1163	MH 1.88		Time of Concentration	0.080	100	0	100	0.080
CA1165	MH 1.87		Time of Concentration	0.023	100	0	100	0.023
CA1167	MH 1.64		Time of Concentration	0.135	100	0	100	0.135
CA1169	MH 1.78		Time of Concentration	0.028	100	0	100	0.028
CA1170	MH 1.65		Time of Concentration	0.027	100	0	100	0.027
CA1171	MH 1.75		Time of Concentration	0.034	100	0	100	0.034
CA1172	MH 1.89		Time of Concentration	0.025	100	0	100	0.025
CA1173	MH 1.78		Time of Concentration	0.038	100	0	100	0.038
CA1174	MH 1.65		Time of Concentration	0.029	100	0	100	0.029
CA1175	MH 1.77		Time of Concentration	0.027	100	0	100	0.027

Project: ADMIRAL	Date: 09/03/2026		
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Report Details: Type: Inflow Summary Storm Phase: D1 Design	Company: Lally Chartered Engineers		




CA1176	MH 1.95		Time of Concentration	0.020	100	0	100	0.020
CA1177	MH 1.96		Time of Concentration	0.030	100	0	100	0.030
CA1178	MH 1.97		Time of Concentration	0.029	100	0	100	0.029
CA1179	MH 1.98		Time of Concentration	0.023	100	0	100	0.023
CA1180	MH 1.99		Time of Concentration	0.017	100	0	100	0.017
CA1181	MH 1.100		Time of Concentration	0.016	100	0	100	0.016
CA1182	MH 1.27		Time of Concentration	0.012	100	0	100	0.012
CA1183	MH 1.78		Time of Concentration	0.015	100	0	100	0.015
CA1184	MH 1.7		Time of Concentration	0.031	100	0	100	0.031
CA1185	MH 1.103		Time of Concentration	0.044	100	0	100	0.044
CA1186	MH 1.11		Time of Concentration	0.047	100	0	100	0.047
CA1187	MH 1.30		Time of Concentration	0.034	100	0	100	0.034
CA1188	MH 1.11		Time of Concentration	0.028	100	0	100	0.028
CA1189	MH 1.88		Time of Concentration	0.030	100	0	100	0.030
CA1190	MH 1.86		Time of Concentration	0.033	100	0	100	0.033
CA1191	MH 1.12		Time of Concentration	0.015	100	0	100	0.015
CA1192	MH 1.12		Time of Concentration	0.078	100	0	100	0.078
CA1193	MH 1.10		Time of Concentration	0.037	100	0	100	0.037
CA1194	MH 1.27		Time of Concentration	0.013	100	0	100	0.013
CA1195	MH 1.24		Time of Concentration	0.029	100	0	100	0.029
CA1196	MH 1.14		Time of Concentration	0.009	100	0	100	0.009
CA1197	MH 1.105		Time of Concentration	0.043	100	0	100	0.043
TOTAL		0.0		9.651				9.651


Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Outfall Details Storm Phase: D1 Design	Company: Lally Chartered Engineers			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
MH 1.94	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"/>

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Junctions Summary Storm Phase: D1 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 1.15	FSR: 1 years: +0 %: 15 mins: Summer	110.750	109.250	109.290	0.040	3.3	0.045	0.000	3.2	1.429	OK
MH 1.5	FSR: 1 years: +0 %: 15 mins: Summer	110.850	107.395	107.573	0.178	83.6	0.315	0.000	83.5	38.732	OK
MH 1.7	FSR: 1 years: +0 %: 15 mins: Summer	108.900	107.074	107.262	0.188	86.1	0.479	0.000	87.0	39.978	OK
MH 1.53	FSR: 1 years: +0 %: 15 mins: Summer	106.000	104.300	104.327	0.027	1.6	0.047	0.000	1.6	0.694	OK
MH 1.54	FSR: 1 years: +0 %: 15 mins: Summer	106.000	104.100	104.137	0.037	2.9	0.065	0.000	2.9	1.270	OK
MH 1.50	FSR: 1 years: +0 %: 15 mins: Summer	106.075	103.318	103.758	0.440	518.6	1.523	0.000	522.8	267.628	OK
MH 1.44	FSR: 1 years: +0 %: 15 mins: Summer	106.200	103.623	104.051	0.428	463.8	1.481	0.000	456.2	227.727	OK
MH 1.43	FSR: 1 years: +0 %: 15 mins: Summer	106.400	103.899	104.284	0.385	453.8	1.334	0.000	455.1	219.338	OK
MH 1.30	FSR: 1 years: +0 %: 15 mins: Summer	108.100	104.120	104.498	0.378	442.1	1.311	0.000	447.3	215.192	OK
MH 1.38	FSR: 1 years: +0 %: 15 mins: Summer	110.410	108.294	108.410	0.116	43.8	0.206	0.000	41.7	20.876	OK
MH 1.32	FSR: 1 years: +0 %: 15 mins: Summer	110.000	107.839	107.898	0.059	10.3	0.067	0.000	10.0	4.488	OK
MH 1.37	FSR: 1 years: +0 %: 15 mins: Summer	111.400	109.564	109.670	0.106	37.0	0.187	0.000	36.3	17.367	OK
MH 1.31	FSR: 1 years: +0 %: 15 mins: Summer	110.500	108.800	108.835	0.035	3.6	0.040	0.000	3.5	1.541	OK
MH 1.36	FSR: 1 years: +0 %: 15 mins: Summer	112.000	110.470	110.560	0.090	27.3	0.159	0.000	26.6	12.753	OK
MH 1.17	FSR: 1 years: +0 %: 15 mins: Summer	110.400	108.729	108.815	0.086	18.3	0.097	0.000	17.6	8.242	OK
MH 1.18	FSR: 1 years: +0 %: 15 mins: Summer	110.700	108.357	108.524	0.167	82.0	0.425	0.000	83.1	36.953	OK
MH 1.21	FSR: 1 years: +0 %: 15 mins: Summer	110.815	107.911	108.139	0.228	144.4	0.580	0.000	138.1	63.859	OK
MH 1.14	FSR: 1 years: +0 %: 15 mins: Summer	108.400	106.450	106.758	0.308	298.2	0.783	0.000	296.3	140.157	OK
MH 1.11	FSR: 1 years: +0 %: 15 mins: Summer	108.740	106.866	107.061	0.195	104.0	0.497	0.000	104.2	48.478	OK
MH 1.28	FSR: 1 years: +0 %: 15 mins: Summer	108.300	106.238	106.547	0.309	307.6	0.787	0.000	305.0	145.777	OK
MH 1.16	FSR: 1 years: +0 %: 15 mins: Summer	110.575	108.990	109.044	0.054	7.2	0.061	0.000	7.0	3.184	OK
MH 1.8	FSR: 1 years: +0 %: 15 mins: Summer	110.750	108.800	108.834	0.034	3.0	0.039	0.000	2.9	1.311	OK
MH 1.9	FSR: 1 years: +0 %: 15 mins: Summer	110.750	108.195	108.241	0.046	5.5	0.052	0.000	5.3	2.406	OK
MH 1.70	FSR: 1 years: +0 %: 15 mins: Summer	112.650	110.625	110.767	0.142	52.4	0.251	0.000	51.3	23.369	OK
MH 1.69	FSR: 1 years: +0 %: 15 mins: Summer	112.870	110.858	110.999	0.141	47.7	0.249	0.000	46.7	20.932	OK
MH 1.81	FSR: 1 years: +0 %: 15 mins: Summer	113.030	111.002	111.140	0.138	45.9	0.244	0.000	46.2	20.131	OK
MH 1.82	FSR: 1 years: +0 %: 15 mins: Summer	112.830	110.696	110.863	0.167	72.1	0.295	0.000	72.0	31.746	OK
MH 1.84	FSR: 1 years: +0 %: 15 mins: Summer	112.650	110.460	110.629	0.169	75.5	0.299	0.000	74.5	33.221	OK
MH 1.85	FSR: 1 years: +0 %: 15 mins: Summer	112.820	110.179	110.364	0.185	85.6	0.327	0.000	85.7	38.213	OK
MH 1.89	FSR: 1 years: +0 %: 15 mins: Summer	110.900	106.900	107.194	0.294	230.4	0.748	0.000	231.6	114.495	OK

Project: ADMIRAL	Date: 09/03/2026		
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Report Details: Type: Junctions Summary Storm Phase: D1 Design	Company: Lally Chartered Engineers		



MH 1.75	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	108.6 50	108.92 7	0.277	228.0	0.706	0.000	229.1	113.509	OK
MH 1.65	FSR: 1 years: +0 %: 15 mins: Summer	112.8 70	109.5 31	109.76 9	0.238	118.8	0.421	0.000	117.0	59.958	OK
MH 1.77	FSR: 1 years: +0 %: 15 mins: Summer	113.0 00	110.6 88	110.75 8	0.070	9.9	0.079	0.000	9.1	4.402	OK
MH 1.71	FSR: 1 years: +0 %: 15 mins: Summer	112.9 70	110.2 56	110.44 0	0.185	81.7	0.327	0.000	80.0	38.533	OK
MH 1.76	FSR: 1 years: +0 %: 15 mins: Summer	112.7 50	111.25 0	111.29 3	0.043	3.7	0.049	0.000	3.5	1.590	OK
MH 1.59	FSR: 1 years: +0 %: 15 mins: Summer	110.7 50	107.8 87	107.93 9	0.052	7.4	0.059	0.000	7.2	3.188	OK
MH 1.58	FSR: 1 years: +0 %: 15 mins: Summer	106.6 60	104.3 54	104.50 0	0.146	76.7	0.373	0.000	76.2	34.022	OK
MH 1.61	FSR: 1 years: +0 %: 15 mins: Summer	106.2 00	103.5 44	103.71 5	0.171	102.2	0.436	0.000	103.8	45.632	OK
MH 1.55	FSR: 1 years: +0 %: 15 mins: Summer	106.0 00	103.1 74	103.62 6	0.452	595.1	1.566	0.000	599.7	317.992	OK
MH 1.10	FSR: 1 years: +0 %: 15 mins: Summer	109.5 00	107.5 74	107.63 5	0.061	9.2	0.069	0.000	8.9	4.110	OK
MH 1.24	FSR: 1 years: +0 %: 15 mins: Summer	109.6 70	106.8 47	107.14 5	0.298	164.4	0.758	0.000	165.2	77.326	OK
MH 1.33	FSR: 1 years: +0 %: 15 mins: Summer	109.0 00	106.8 78	106.97 6	0.098	22.9	0.111	0.000	22.9	10.294	OK
MH 1.63	FSR: 1 years: +0 %: 15 mins: Summer	105.5 00	103.0 02	103.44 5	0.443	599.7	1.534	0.000	599.0	316.366	OK
MH 1.78	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	110.11 4	110.21 5	0.101	17.2	0.114	0.000	16.4	8.059	OK
MH 1.1	FSR: 1 years: +0 %: 15 mins: Summer	110.7 50	109.1 75	109.30 0	0.125	29.6	0.220	0.000	29.4	12.831	OK
MH 1.13	FSR: 1 years: +0 %: 15 mins: Summer	108.5 70	106.6 58	106.86 1	0.203	114.2	0.517	0.000	112.9	53.583	OK
MH 1.19	FSR: 1 years: +0 %: 15 mins: Summer	110.7 50	109.2 50	109.36 0	0.110	29.1	0.194	0.000	28.8	12.607	OK
MH 1.22	FSR: 1 years: +0 %: 15 mins: Summer	110.7 50	109.2 50	109.37 1	0.121	28.6	0.214	0.000	28.2	12.383	OK
MH 1.20	FSR: 1 years: +0 %: 15 mins: Summer	110.0 00	108.4 88	108.61 6	0.128	30.9	0.226	0.000	30.6	13.385	OK
MH 1.23	FSR: 1 years: +0 %: 15 mins: Summer	110.0 00	108.1 47	108.24 3	0.096	28.7	0.170	0.000	28.6	12.467	OK
MH 1.40	FSR: 1 years: +0 %: 15 mins: Summer	110.0 00	108.4 00	108.50 9	0.109	29.4	0.193	0.000	28.6	12.759	OK
MH 1.41	FSR: 1 years: +0 %: 15 mins: Summer	110.0 00	107.9 45	108.09 1	0.146	57.1	0.258	0.000	56.3	25.054	OK
MH 1.25	FSR: 1 years: +0 %: 15 mins: Summer	110.0 00	108.3 44	108.41 8	0.074	14.1	0.131	0.000	13.9	6.114	OK
MH 1.29	FSR: 1 years: +0 %: 15 mins: Summer	108.2 00	106.0 25	106.33 0	0.305	306.2	0.777	0.000	310.5	146.209	OK
MH 1.26	FSR: 1 years: +0 %: 15 mins: Summer	110.7 50	108.3 58	108.43 2	0.074	14.1	0.130	0.000	13.9	6.109	OK
MH 1.45	FSR: 1 years: +0 %: 15 mins: Summer	106.4 00	103.7 74	104.05 2	0.278	14.3	0.708	0.000	12.9	6.239	OK
MH 1.47	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	104.6 91	104.79 6	0.105	30.8	0.185	0.000	30.0	13.387	OK
MH 1.48	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	104.2 43	104.39 7	0.154	62.0	0.271	0.000	60.9	27.244	OK
MH 1.56	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	105.2 91	105.41 2	0.121	35.7	0.214	0.000	34.8	15.493	OK
MH 1.57	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	104.8 55	105.03 7	0.182	63.2	0.322	0.000	62.4	27.771	OK
MH 1.86	FSR: 1 years: +0 %: 15 mins: Summer	112.7 50	111.22 5	111.28 0	0.055	8.4	0.098	0.000	8.3	3.617	OK
MH 1.88	FSR: 1 years: +0 %: 15 mins: Summer	112.7 50	110.1 44	110.20 7	0.063	11.7	0.111	0.000	11.6	5.073	OK
MH 1.79	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	111.36 2	111.48 0	0.118	28.6	0.209	0.000	28.4	12.404	OK
MH 1.66	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	111.37 5	111.50 2	0.127	30.7	0.225	0.000	30.5	13.319	OK
MH 1.72	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	110.7 07	110.79 8	0.091	29.5	0.160	0.000	29.3	12.799	OK

Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Junctions Summary Storm Phase: D1 Design	Company: Lally Chartered Engineers			

MH 1.64	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	111.00 0	111.06 5	0.065	14.4	0.116	0.000	14.3	6.251	OK
MH 1.80	FSR: 1 years: +0 %: 15 mins: Summer	113.2 00	111.28 1	111.41 7	0.136	44.7	0.241	0.000	44.2	19.457	OK
MH 1.2	FSR: 1 years: +0 %: 15 mins: Summer	111.03 5	109.0 76	109.19 2	0.116	35.6	0.204	0.000	35.0	15.553	OK
MH 1.4	FSR: 1 years: +0 %: 15 mins: Summer	110.7 50	108.7 85	108.88 0	0.095	28.6	0.168	0.000	28.3	12.381	OK
MH 1.6	FSR: 1 years: +0 %: 15 mins: Summer	110.7 50	109.1 75	109.25 1	0.076	14.4	0.134	0.000	14.3	6.244	OK
MH 1.3	FSR: 1 years: +0 %: 15 mins: Summer	111.20 0	108.5 31	108.70 1	0.170	70.5	0.300	0.000	67.2	31.099	OK
MH 1.42	FSR: 1 years: +0 %: 15 mins: Summer	109.8 90	107.4 78	107.65 6	0.178	74.6	0.315	0.000	72.4	33.167	OK
MH 1.39	FSR: 1 years: +0 %: 15 mins: Summer	109.5 40	106.4 09	106.61 9	0.210	116.9	0.535	0.000	117.1	55.416	OK
MH 1.62	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	104.1 23	104.20 0	0.077	19.4	0.136	0.000	19.2	8.414	OK
MH 1.49	FSR: 1 years: +0 %: 15 mins: Summer	106.5 00	103.7 97	103.97 4	0.177	84.6	0.314	0.000	82.4	37.931	OK
MH 1.35	FSR: 1 years: +0 %: 15 mins: Summer	112.7 00	111.01 4	111.08 8	0.074	17.7	0.084	0.000	17.6	8.302	OK
MH 1.34	FSR: 1 years: +0 %: 15 mins: Summer	114.2 50	111.55 2	111.62 0	0.068	16.2	0.077	0.000	16.1	7.585	OK
MH 1.74	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	110.2 99	110.38 8	0.089	28.6	0.158	0.000	28.4	12.432	OK
MH 1.73	FSR: 1 years: +0 %: 15 mins: Summer	113.2 90	109.8 87	110.10 3	0.216	105.4	0.382	0.000	102.2	51.600	OK
MH 1.87	FSR: 1 years: +0 %: 15 mins: Summer	112.8 20	109.9 47	110.14 6	0.199	97.3	0.506	0.000	97.7	44.159	OK
MH 1.68	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	111.08 5	111.21 2	0.127	38.5	0.224	0.000	38.7	16.904	OK
MH 1.67	FSR: 1 years: +0 %: 15 mins: Summer	112.8 65	111.30 5	111.42 8	0.123	36.9	0.218	0.000	36.5	16.093	OK
MH 1.83	FSR: 1 years: +0 %: 15 mins: Summer	112.6 50	111.15 7	111.22 0	0.063	14.4	0.111	0.000	14.2	6.231	OK
MH 1.94	FSR: 1 years: +0 %: 1440 mins: Summer	104.5 00	102.7 15	103.00 5	0.290	21.3	0.512	0.000	21.3	1828.639	OK
MH 1.60	FSR: 1 years: +0 %: 15 mins: Summer	108.4 55	105.7 86	105.84 2	0.056	11.0	0.063	0.000	11.0	4.845	OK
MH 1.93	FSR: 1 years: +0 %: 15 mins: Summer	106.0 00	103.0 01	103.28 6	0.285	232.3	0.725	0.000	230.1	113.197	OK
MH 1.92	FSR: 1 years: +0 %: 15 mins: Summer	107.0 00	103.4 08	103.68 2	0.274	232.8	0.698	0.000	232.3	113.733	OK
MH 1.27	FSR: 1 years: +0 %: 15 mins: Summer	108.9 70	106.7 52	107.05 0	0.298	182.1	0.757	0.000	182.4	85.272	OK
MH 1.46	FSR: 1 years: +0 %: 15 mins: Summer	106.1 57	103.5 29	103.94 3	0.414	518.0	1.435	0.000	516.2	266.485	OK
MH 1.90	FSR: 1 years: +0 %: 15 mins: Summer	108.0 00	105.0 00	105.29 0	0.290	231.6	0.739	0.000	232.5	114.346	OK
MH 1.91	FSR: 1 years: +0 %: 15 mins: Summer	107.0 00	104.7 92	105.07 3	0.281	232.5	0.715	0.000	232.8	113.951	OK
MH 1.95	FSR: 1 years: +0 %: 15 mins: Summer	116.5 00	113.4 98	113.56 0	0.062	13.4	0.070	0.000	13.3	6.192	OK
MH 1.96	FSR: 1 years: +0 %: 15 mins: Summer	117.0 00	115.0 30	115.09 4	0.063	11.8	0.072	0.000	11.4	5.299	OK
MH 1.97	FSR: 1 years: +0 %: 15 mins: Summer	117.5 00	115.7 35	115.79 0	0.054	8.9	0.061	0.000	8.8	3.959	OK
MH 1.98	FSR: 1 years: +0 %: 15 mins: Summer	118.0 00	116.4 42	116.48 6	0.045	5.9	0.050	0.000	5.9	2.623	OK
MH 1.99	FSR: 1 years: +0 %: 15 mins: Summer	118.5 00	117.0 00	117.03 5	0.035	3.6	0.039	0.000	3.5	1.561	OK
MH 1.100	FSR: 1 years: +0 %: 15 mins: Summer	119.0 00	117.4 27	117.45 2	0.025	1.7	0.028	0.000	1.7	0.755	OK
MH 1.105	FSR: 1 years: +0 %: 15 mins: Summer	110.7 00	108.8 88	108.93 0	0.042	4.5	0.047	0.000	4.4	1.971	OK
MH 1.104	FSR: 1 years: +0 %: 15 mins: Summer	110.6 50	108.1 77	108.22 7	0.050	6.7	0.057	0.000	6.5	2.925	OK
MH 1.103	FSR: 1 years: +0 %: 15 mins: Summer	110.4 00	107.4 66	107.54 4	0.078	15.5	0.088	0.000	15.3	7.005	OK

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MH 1.102	FSR: 1 years: +0 %: 15 mins: Summer	109.0 00	106.8 41	107.05 8	0.217	15.3	0.245	0.000	14.7	6.962	OK
MH 1.51	FSR: 1 years: +0 %: 15 mins: Summer	106.9 00	104.3 61	104.39 9	0.038	5.1	0.067	0.000	5.0	2.238	OK
MH 1.101	FSR: 1 years: +0 %: 15 mins: Summer	109.8 90	106.8 44	106.90 0	0.056	11.6	0.099	0.000	11.5	5.025	OK
MH 1.12	FSR: 1 years: +0 %: 15 mins: Summer	110.2 50	107.1 71	107.22 3	0.052	10.0	0.092	0.000	9.9	4.331	OK
MH 1.106	FSR: 1 years: +0 %: 15 mins: Summer	106.6 00	105.1 00	105.13 6	0.036	3.0	0.041	0.000	2.9	1.305	OK
MH 1.107	FSR: 1 years: +0 %: 15 mins: Summer	106.4 50	104.4 75	104.53 2	0.057	7.6	0.064	0.000	7.3	3.330	OK
MH 1.108	FSR: 1 years: +0 %: 15 mins: Summer	106.1 50	103.8 71	103.93 3	0.062	8.4	0.071	0.000	8.2	3.786	OK

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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 1.15	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	109.2 50	109.30 9	0.059	7.3	0.066	0.000	7.1	3.174	OK
MH 1.5	FSR: 30 years: +0 %: 15 mins: Summer	110.8 50	107.3 95	107.69 7	0.302	189.1	0.534	0.000	187.9	86.305	OK
MH 1.7	FSR: 30 years: +0 %: 15 mins: Summer	108.9 00	107.0 74	107.39 8	0.324	194.8	0.824	0.000	194.4	89.250	OK
MH 1.53	FSR: 30 years: +0 %: 15 mins: Summer	106.0 00	104.3 00	104.33 9	0.039	3.6	0.069	0.000	3.5	1.548	OK
MH 1.54	FSR: 30 years: +0 %: 15 mins: Summer	106.0 00	104.1 00	104.15 6	0.056	6.5	0.099	0.000	6.4	2.822	OK
MH 1.50	FSR: 30 years: +0 %: 15 mins: Summer	106.0 75	103.3 18	104.11 9	0.801	1186.4	2.773	0.000	1179.1	604.274	OK
MH 1.44	FSR: 30 years: +0 %: 15 mins: Summer	106.2 00	103.6 23	104.41 8	0.795	1041.2	2.753	0.000	1040.7	512.742	OK
MH 1.43	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	103.8 99	104.59 9	0.700	1033.2	2.427	0.000	1017.2	492.893	OK
MH 1.30	FSR: 30 years: +0 %: 15 mins: Summer	108.1 00	104.1 20	104.79 6	0.676	1026.2	2.342	0.000	1017.6	482.543	OK
MH 1.38	FSR: 30 years: +0 %: 15 mins: Summer	110.4 10	108.2 94	108.49 1	0.197	102.2	0.347	0.000	99.0	46.870	OK
MH 1.32	FSR: 30 years: +0 %: 15 mins: Summer	110.0 00	107.8 39	107.93 0	0.091	22.9	0.102	0.000	22.5	9.992	OK
MH 1.37	FSR: 30 years: +0 %: 15 mins: Summer	111.40 0	109.5 64	109.73 7	0.173	85.3	0.305	0.000	83.7	38.805	OK
MH 1.31	FSR: 30 years: +0 %: 15 mins: Summer	110.5 00	108.8 00	108.85 2	0.052	7.9	0.059	0.000	7.7	3.420	OK
MH 1.36	FSR: 30 years: +0 %: 15 mins: Summer	112.0 00	110.4 70	110.61 3	0.143	62.7	0.253	0.000	62.3	28.482	OK
MH 1.17	FSR: 30 years: +0 %: 15 mins: Summer	110.4 00	108.7 29	108.86 0	0.131	41.3	0.148	0.000	40.6	18.376	OK
MH 1.18	FSR: 30 years: +0 %: 15 mins: Summer	110.7 00	108.3 57	108.61 8	0.261	184.4	0.664	0.000	187.4	82.244	OK
MH 1.21	FSR: 30 years: +0 %: 15 mins: Summer	110.8 15	107.9 11	108.30 0	0.389	320.7	0.991	0.000	311.2	142.552	OK
MH 1.14	FSR: 30 years: +0 %: 15 mins: Summer	108.4 00	106.4 50	106.98 6	0.536	672.7	1.364	0.000	673.2	313.600	OK
MH 1.11	FSR: 30 years: +0 %: 15 mins: Summer	108.7 40	106.8 66	107.20 4	0.338	232.2	0.861	0.000	232.9	108.303	OK
MH 1.28	FSR: 30 years: +0 %: 15 mins: Summer	108.3 00	106.2 38	106.77 0	0.532	697.9	1.354	0.000	696.3	326.479	OK

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MH 1.16	FSR: 30 years: +0 %: 15 mins: Summer	110.5 75	108.9 90	109.07 1	0.081	16.2	0.092	0.000	15.8	7.086	OK
MH 1.8	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	108.8 00	108.85 1	0.051	6.7	0.057	0.000	6.6	2.910	OK
MH 1.9	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	108.1 95	108.26 4	0.069	12.3	0.078	0.000	12.0	5.357	OK
MH 1.70	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	110.6 25	110.84 7	0.222	118.4	0.392	0.000	116.1	52.227	OK
MH 1.69	FSR: 30 years: +0 %: 15 mins: Summer	112.8 70	110.8 58	111.08 2	0.224	106.3	0.395	0.000	105.5	46.629	OK
MH 1.81	FSR: 30 years: +0 %: 15 mins: Summer	113.0 30	111.00 2	111.22 7	0.225	101.9	0.397	0.000	102.5	44.785	OK
MH 1.82	FSR: 30 years: +0 %: 15 mins: Summer	112.8 30	110.6 96	110.97 1	0.275	160.0	0.486	0.000	160.5	70.639	OK
MH 1.84	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	110.4 60	110.74 3	0.283	168.3	0.499	0.000	167.3	74.016	OK
MH 1.85	FSR: 30 years: +0 %: 15 mins: Summer	112.8 20	110.1 79	110.49 4	0.315	192.4	0.556	0.000	189.5	85.205	OK
MH 1.89	FSR: 30 years: +0 %: 15 mins: Summer	110.9 00	106.9 00	107.56 3	0.663	521.9	1.687	0.000	515.5	257.005	Surcharged
MH 1.75	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	108.6 50	109.31 3	0.663	520.2	1.688	0.000	517.2	254.628	Surcharged
MH 1.65	FSR: 30 years: +0 %: 15 mins: Summer	112.8 70	109.5 31	109.99 9	0.469	264.0	0.828	0.000	258.1	134.780	Surcharged
MH 1.77	FSR: 30 years: +0 %: 15 mins: Summer	113.0 00	110.6 88	110.79 8	0.110	22.3	0.125	0.000	21.0	9.835	OK
MH 1.71	FSR: 30 years: +0 %: 15 mins: Summer	112.9 70	110.2 56	110.56 7	0.311	189.8	0.550	0.000	188.5	86.137	OK
MH 1.76	FSR: 30 years: +0 %: 15 mins: Summer	112.7 50	111.25 0	111.31 5	0.065	8.1	0.073	0.000	7.9	3.534	OK
MH 1.59	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	107.8 87	107.97 0	0.083	16.4	0.094	0.000	16.0	7.085	OK
MH 1.58	FSR: 30 years: +0 %: 15 mins: Summer	106.6 60	104.3 54	104.58 6	0.232	170.6	0.591	0.000	171.8	75.669	OK
MH 1.61	FSR: 30 years: +0 %: 15 mins: Summer	106.2 00	103.5 44	104.08 6	0.542	229.4	1.380	0.000	205.6	101.451	Surcharged
MH 1.55	FSR: 30 years: +0 %: 15 mins: Summer	106.0 00	103.1 74	103.97 4	0.800	1366.8	2.773	0.000	1357.7	717.989	OK
MH 1.10	FSR: 30 years: +0 %: 15 mins: Summer	109.5 00	107.5 74	107.66 9	0.095	20.5	0.107	0.000	20.4	9.164	OK
MH 1.24	FSR: 30 years: +0 %: 15 mins: Summer	109.6 70	106.8 47	107.49 9	0.652	374.2	1.660	0.000	371.9	172.571	Surcharged
MH 1.33	FSR: 30 years: +0 %: 15 mins: Summer	109.0 00	106.8 78	107.04 6	0.168	51.7	0.190	0.000	51.4	22.903	OK
MH 1.63	FSR: 30 years: +0 %: 15 mins: Summer	105.5 00	103.0 02	103.74 3	0.741	1357.7	2.566	0.000	1346.1	716.067	OK

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MH 1.78	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	110.11 4	110.29 0	0.176	39.2	0.199	0.000	37.5	18.021	OK
MH 1.1	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	109.1 75	109.37 8	0.203	65.8	0.359	0.000	65.3	28.500	OK
MH 1.13	FSR: 30 years: +0 %: 15 mins: Summer	108.5 70	106.6 58	107.07 3	0.415	254.8	1.056	0.000	253.3	119.886	OK
MH 1.19	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	109.2 50	109.42 7	0.177	64.7	0.313	0.000	64.0	28.008	OK
MH 1.22	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	109.2 50	109.44 8	0.198	63.6	0.350	0.000	62.8	27.515	OK
MH 1.20	FSR: 30 years: +0 %: 15 mins: Summer	110.0 00	108.4 88	108.71 4	0.226	68.6	0.399	0.000	67.7	29.713	OK
MH 1.23	FSR: 30 years: +0 %: 15 mins: Summer	110.0 00	108.1 47	108.34 7	0.200	63.9	0.353	0.000	62.0	27.667	OK
MH 1.40	FSR: 30 years: +0 %: 15 mins: Summer	110.0 00	108.4 00	108.56 8	0.168	65.4	0.297	0.000	63.9	28.331	OK
MH 1.41	FSR: 30 years: +0 %: 15 mins: Summer	110.0 00	107.9 45	108.17 5	0.230	127.6	0.407	0.000	127.5	55.747	OK
MH 1.25	FSR: 30 years: +0 %: 15 mins: Summer	110.0 00	108.3 44	108.45 9	0.115	31.4	0.203	0.000	31.0	13.583	OK
MH 1.29	FSR: 30 years: +0 %: 15 mins: Summer	108.2 00	106.0 25	106.53 1	0.506	700.5	1.288	0.000	694.7	328.041	OK
MH 1.26	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	108.3 58	108.47 2	0.114	31.4	0.202	0.000	31.0	13.578	OK
MH 1.45	FSR: 30 years: +0 %: 15 mins: Summer	106.4 00	103.7 74	104.41 6	0.642	31.8	1.634	0.000	25.2	13.815	Surcharged
MH 1.47	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	104.6 91	104.85 0	0.159	68.5	0.280	0.000	66.9	29.718	OK
MH 1.48	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	104.2 43	104.48 4	0.241	138.6	0.426	0.000	139.6	60.460	OK
MH 1.56	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	105.2 91	105.47 9	0.188	79.4	0.332	0.000	77.6	34.394	OK
MH 1.57	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	104.8 55	105.17 4	0.319	141.1	0.564	0.000	139.0	61.772	OK
MH 1.86	FSR: 30 years: +0 %: 15 mins: Summer	112.7 50	111.22 5	111.31 1	0.086	18.6	0.151	0.000	18.4	8.036	OK
MH 1.88	FSR: 30 years: +0 %: 15 mins: Summer	112.7 50	110.1 44	110.30 2	0.158	26.0	0.280	0.000	24.2	11.264	OK
MH 1.79	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	111.36 2	111.55 8	0.196	63.6	0.347	0.000	63.2	27.558	OK
MH 1.66	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	111.37 5	111.57 9	0.204	68.3	0.361	0.000	67.9	29.587	OK
MH 1.72	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	110.7 07	110.85 0	0.143	65.5	0.253	0.000	66.4	28.383	OK
MH 1.64	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	111.00 0	111.10 0	0.100	32.1	0.177	0.000	31.8	13.892	OK

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MH 1.80	FSR: 30 years: +0 %: 15 mins: Summer	113.2 00	111.28 1	111.50 2	0.221	99.4	0.390	0.000	98.1	43.221	OK
MH 1.2	FSR: 30 years: +0 %: 15 mins: Summer	111.03 5	109.0 76	109.25 4	0.178	79.3	0.315	0.000	77.7	34.530	OK
MH 1.4	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	108.7 85	108.93 9	0.154	63.5	0.272	0.000	63.5	27.486	OK
MH 1.6	FSR: 30 years: +0 %: 15 mins: Summer	110.7 50	109.1 75	109.29 2	0.117	32.0	0.207	0.000	31.7	13.877	OK
MH 1.3	FSR: 30 years: +0 %: 15 mins: Summer	111.20 0	108.5 31	108.82 7	0.296	158.3	0.524	0.000	151.1	69.296	OK
MH 1.42	FSR: 30 years: +0 %: 15 mins: Summer	109.8 90	107.4 78	107.77 5	0.297	168.1	0.524	0.000	165.3	73.945	OK
MH 1.39	FSR: 30 years: +0 %: 15 mins: Summer	109.5 40	106.4 09	106.78 3	0.374	266.8	0.951	0.000	269.3	124.009	OK
MH 1.62	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	104.1 23	104.24 2	0.119	43.2	0.211	0.000	42.8	18.538	OK
MH 1.49	FSR: 30 years: +0 %: 15 mins: Summer	106.5 00	103.7 97	104.38 9	0.592	192.3	1.046	0.000	168.9	84.328	Surcharged
MH 1.35	FSR: 30 years: +0 %: 15 mins: Summer	112.7 00	111.01 4	111.13 7	0.123	41.0	0.139	0.000	40.7	18.551	OK
MH 1.34	FSR: 30 years: +0 %: 15 mins: Summer	114.2 50	111.55 2	111.66 2	0.110	37.5	0.125	0.000	37.4	16.937	OK
MH 1.74	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	110.2 99	110.43 6	0.137	63.6	0.243	0.000	63.3	27.523	OK
MH 1.73	FSR: 30 years: +0 %: 15 mins: Summer	113.2 90	109.8 87	110.34 4	0.457	244.2	0.807	0.000	225.1	115.659	Surcharged
MH 1.87	FSR: 30 years: +0 %: 15 mins: Summer	112.8 20	109.9 47	110.28 2	0.335	218.2	0.853	0.000	218.3	98.618	OK
MH 1.68	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	111.08 5	111.28 4	0.199	85.5	0.352	0.000	86.2	37.618	OK
MH 1.67	FSR: 30 years: +0 %: 15 mins: Summer	112.8 65	111.30 5	111.49 7	0.193	82.1	0.340	0.000	81.0	35.747	OK
MH 1.83	FSR: 30 years: +0 %: 15 mins: Summer	112.6 50	111.15 7	111.25 1	0.094	31.9	0.167	0.000	31.7	13.827	OK
MH 1.94	FSR: 30 years: +0 %: 1440 mins: Summer	104.5 00	102.7 15	103.29 0	0.575	26.7	1.016	0.000	26.7	3008.478	OK
MH 1.60	FSR: 30 years: +0 %: 15 mins: Summer	108.4 55	105.7 86	105.87 1	0.085	24.6	0.096	0.000	24.4	10.777	OK
MH 1.93	FSR: 30 years: +0 %: 15 mins: Summer	106.0 00	103.0 01	103.57 9	0.578	497.7	1.470	0.000	499.2	255.199	Surcharged
MH 1.92	FSR: 30 years: +0 %: 15 mins: Summer	107.0 00	103.4 08	104.07 2	0.664	505.2	1.690	0.000	497.7	256.018	Surcharged
MH 1.27	FSR: 30 years: +0 %: 15 mins: Summer	108.9 70	106.7 52	107.33 4	0.582	410.8	1.482	0.000	412.9	190.544	Surcharged
MH 1.46	FSR: 30 years: +0 %: 15 mins: Summer	106.1 57	103.5 29	104.28 8	0.759	1182.0	2.630	0.000	1179.0	600.306	OK

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MH 1.90	FSR: 30 years: +0 %: 15 mins: Summer	108.0 00	105.0 00	105.76 0	0.760	515.5	1.933	0.000	504.5	256.784	Surcharged
MH 1.91	FSR: 30 years: +0 %: 15 mins: Summer	107.0 00	104.7 92	105.43 5	0.644	504.5	1.638	0.000	505.2	256.386	Surcharged
MH 1.95	FSR: 30 years: +0 %: 15 mins: Summer	116.5 00	113.4 98	113.59 6	0.098	30.8	0.111	0.000	30.6	13.829	OK
MH 1.96	FSR: 30 years: +0 %: 15 mins: Summer	117.0 00	115.0 30	115.13 0	0.100	26.6	0.114	0.000	26.3	11.826	OK
MH 1.97	FSR: 30 years: +0 %: 15 mins: Summer	117.5 00	115.7 35	115.81 8	0.083	19.8	0.094	0.000	19.8	8.819	OK
MH 1.98	FSR: 30 years: +0 %: 15 mins: Summer	118.0 00	116.4 42	116.50 9	0.067	13.3	0.076	0.000	13.2	5.839	OK
MH 1.99	FSR: 30 years: +0 %: 15 mins: Summer	118.5 00	117.0 00	117.05 1	0.051	8.0	0.058	0.000	7.8	3.470	OK
MH 1.100	FSR: 30 years: +0 %: 15 mins: Summer	119.0 00	117.4 27	117.46 3	0.036	3.9	0.041	0.000	3.8	1.678	OK
MH 1.105	FSR: 30 years: +0 %: 15 mins: Summer	110.7 00	108.8 88	108.95 0	0.062	10.1	0.070	0.000	9.9	4.374	OK
MH 1.104	FSR: 30 years: +0 %: 15 mins: Summer	110.6 50	108.1 77	108.25 3	0.076	14.9	0.086	0.000	14.6	6.520	OK
MH 1.103	FSR: 30 years: +0 %: 15 mins: Summer	110.4 00	107.4 66	107.59 0	0.124	34.9	0.140	0.000	34.8	15.522	OK
MH 1.102	FSR: 30 years: +0 %: 15 mins: Summer	109.0 00	106.8 41	107.37 7	0.536	34.8	0.606	0.000	33.7	15.544	Surcharged
MH 1.51	FSR: 30 years: +0 %: 15 mins: Summer	106.9 00	104.3 61	104.59 5	0.234	11.4	0.414	0.000	11.3	4.948	OK
MH 1.101	FSR: 30 years: +0 %: 15 mins: Summer	109.8 90	106.8 44	106.92 9	0.085	25.7	0.151	0.000	25.6	11.105	OK
MH 1.12	FSR: 30 years: +0 %: 15 mins: Summer	110.2 50	107.1 71	107.25 0	0.079	22.1	0.139	0.000	22.0	9.581	OK
MH 1.106	FSR: 30 years: +0 %: 15 mins: Summer	106.6 00	105.1 00	105.15 3	0.053	6.7	0.060	0.000	6.5	2.899	OK
MH 1.107	FSR: 30 years: +0 %: 15 mins: Summer	106.4 50	104.4 75	104.56 2	0.087	16.9	0.098	0.000	16.7	7.418	OK
MH 1.108	FSR: 30 years: +0 %: 15 mins: Summer	106.1 50	103.8 71	103.97 7	0.106	19.0	0.120	0.000	19.4	8.383	OK

Project: ADMIRAL	Date: 09/03/2026		
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Report Details: Type: Junctions Summary Storm Phase: D1 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 1.15	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	109.2 50	109.32 3	0.073	11.4	0.083	0.000	11.1	4.941	OK
MH 1.5	FSR: 100 years: +20 %: 15 mins: Summer	110.8 50	107.3 95	108.34 3	0.948	274.4	1.675	0.000	269.7	134.451	Surcharged
MH 1.7	FSR: 100 years: +20 %: 15 mins: Summer	108.9 00	107.0 74	107.97 5	0.901	278.7	2.294	0.000	278.7	139.403	Surcharged
MH 1.53	FSR: 100 years: +20 %: 15 mins: Summer	106.0 00	104.3 00	104.76 5	0.465	14.7	0.821	0.000	9.6	3.166	Surcharged
MH 1.54	FSR: 100 years: +20 %: 15 mins: Summer	106.0 00	104.1 00	104.76 7	0.667	33.6	1.179	0.000	18.5	6.839	Surcharged
MH 1.50	FSR: 100 years: +20 %: 15 mins: Summer	106.0 75	103.3 18	104.76 6	1.448	1724.8	5.014	0.000	1730.2	949.425	Surcharged
MH 1.44	FSR: 100 years: +20 %: 15 mins: Summer	106.2 00	103.6 23	105.31 4	1.691	1520.7	5.858	0.000	1517.1	802.971	Surcharged
MH 1.43	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	103.8 99	105.70 1	1.802	1491.5	6.244	0.000	1472.6	771.387	Surcharged
MH 1.30	FSR: 100 years: +20 %: 15 mins: Summer	108.1 00	104.1 20	106.01 3	1.893	1482.3	6.556	0.000	1468.3	753.881	Surcharged
MH 1.38	FSR: 100 years: +20 %: 15 mins: Summer	110.4 10	108.2 94	108.71 1	0.417	159.7	0.736	0.000	140.8	73.327	Surcharged
MH 1.32	FSR: 100 years: +20 %: 15 mins: Summer	110.0 00	107.8 39	107.95 6	0.117	35.7	0.132	0.000	35.0	15.541	OK
MH 1.37	FSR: 100 years: +20 %: 15 mins: Summer	111.40 0	109.5 64	109.80 9	0.245	133.9	0.433	0.000	130.9	60.239	OK
MH 1.31	FSR: 100 years: +20 %: 15 mins: Summer	110.5 00	108.8 00	108.86 5	0.065	12.3	0.074	0.000	12.0	5.323	OK
MH 1.36	FSR: 100 years: +20 %: 15 mins: Summer	112.0 00	110.4 70	110.66 2	0.192	98.4	0.339	0.000	98.1	44.402	OK
MH 1.17	FSR: 100 years: +20 %: 15 mins: Summer	110.4 00	108.7 29	108.92 1	0.192	64.7	0.217	0.000	63.9	28.675	OK
MH 1.18	FSR: 100 years: +20 %: 15 mins: Summer	110.7 00	108.3 57	108.86 7	0.510	288.5	1.298	0.000	285.3	128.197	OK
MH 1.21	FSR: 100 years: +20 %: 15 mins: Summer	110.8 15	107.9 11	108.66 0	0.749	494.7	1.906	0.000	439.7	222.107	Surcharged
MH 1.14	FSR: 100 years: +20 %: 15 mins: Summer	108.4 00	106.4 50	107.29 1	0.841	955.4	2.140	0.000	954.3	489.682	Surcharged
MH 1.11	FSR: 100 years: +20 %: 15 mins: Summer	108.7 40	106.8 66	107.69 1	0.825	327.0	2.099	0.000	326.4	169.241	Surcharged
MH 1.28	FSR: 100 years: +20 %: 15 mins: Summer	108.3 00	106.2 38	107.01 3	0.775	992.2	1.973	0.000	988.8	510.006	Surcharged


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MH 1.16	FSR: 100 years: +20 %: 15 mins: Summer	110.5 75	108.9 90	109.09 2	0.102	25.3	0.115	0.000	24.8	11.047	OK
MH 1.8	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	108.8 00	108.86 3	0.063	10.4	0.072	0.000	10.3	4.526	OK
MH 1.9	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	108.1 95	108.28 2	0.087	19.1	0.098	0.000	18.8	8.340	OK
MH 1.70	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	110.6 25	111.38 5	0.760	172.5	1.342	0.000	169.1	82.307	Surcharged
MH 1.69	FSR: 100 years: +20 %: 15 mins: Summer	112.8 70	110.8 58	111.41 1	0.553	167.1	0.977	0.000	151.6	72.877	Surcharged
MH 1.81	FSR: 100 years: +20 %: 15 mins: Summer	113.0 30	111.00 2	111.41 4	0.412	157.4	0.728	0.000	149.7	69.706	Surcharged
MH 1.82	FSR: 100 years: +20 %: 15 mins: Summer	112.8 30	110.6 96	111.18 7	0.491	242.4	0.868	0.000	235.2	109.973	Surcharged
MH 1.84	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	110.4 60	111.00 9	0.549	247.7	0.971	0.000	235.8	115.319	Surcharged
MH 1.85	FSR: 100 years: +20 %: 15 mins: Summer	112.8 20	110.1 79	110.77 6	0.597	276.2	1.055	0.000	264.6	132.849	Surcharged
MH 1.89	FSR: 100 years: +20 %: 15 mins: Summer	110.9 00	106.9 00	107.82 3	0.923	740.8	2.349	0.000	742.8	402.501	Surcharged
MH 1.75	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	108.6 50	109.68 9	1.039	731.0	2.645	0.000	733.4	398.661	Surcharged
MH 1.65	FSR: 100 years: +20 %: 15 mins: Summer	112.8 70	109.5 31	110.29 5	0.764	358.8	1.351	0.000	357.1	211.442	Surcharged
MH 1.77	FSR: 100 years: +20 %: 15 mins: Summer	113.0 00	110.6 88	110.83 6	0.148	34.9	0.168	0.000	33.5	15.310	OK
MH 1.71	FSR: 100 years: +20 %: 15 mins: Summer	112.9 70	110.2 56	111.29 0	1.035	274.5	1.829	0.000	221.2	135.381	Surcharged
MH 1.76	FSR: 100 years: +20 %: 15 mins: Summer	112.7 50	111.25 0	111.33 2	0.082	12.7	0.093	0.000	12.3	5.498	OK
MH 1.59	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	107.8 87	108.00 1	0.114	25.4	0.128	0.000	24.9	11.025	OK
MH 1.58	FSR: 100 years: +20 %: 15 mins: Summer	106.6 60	104.3 54	105.16 4	0.810	263.1	2.060	0.000	239.3	116.824	Surcharged
MH 1.61	FSR: 100 years: +20 %: 15 mins: Summer	106.2 00	103.5 44	104.77 3	1.229	308.5	3.129	0.000	305.9	158.098	Surcharged
MH 1.55	FSR: 100 years: +20 %: 15 mins: Summer	106.0 00	103.1 74	104.50 9	1.335	2018.2	4.625	0.000	2023.1	1125.962	Surcharged
MH 1.10	FSR: 100 years: +20 %: 15 mins: Summer	109.5 00	107.5 74	107.72 6	0.152	32.0	0.172	0.000	32.8	14.116	OK
MH 1.24	FSR: 100 years: +20 %: 15 mins: Summer	109.6 70	106.8 47	108.01 3	1.166	541.1	2.967	0.000	538.3	268.956	Surcharged
MH 1.33	FSR: 100 years: +20 %: 15 mins: Summer	109.0 00	106.8 78	107.29 3	0.415	80.9	0.470	0.000	80.3	35.675	Surcharged
MH 1.63	FSR: 100 years: +20 %: 15 mins: Summer	105.5 00	103.0 02	104.12 9	1.127	2023.1	3.904	0.000	2026.1	1123.198	Surcharged

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MH 1.78	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	110.11 4	110.50 3	0.389	61.9	0.440	0.000	61.4	28.136	Surcharged
MH 1.1	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	109.1 75	109.59 4	0.419	102.3	0.740	0.000	101.3	44.307	Surcharged
MH 1.13	FSR: 100 years: +20 %: 15 mins: Summer	108.5 70	106.6 58	107.51 1	0.853	360.3	2.170	0.000	359.8	187.510	Surcharged
MH 1.19	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	109.2 50	109.49 7	0.247	100.5	0.436	0.000	99.5	43.582	OK
MH 1.22	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	109.2 50	109.56 0	0.310	98.8	0.548	0.000	97.1	42.818	Surcharged
MH 1.20	FSR: 100 years: +20 %: 15 mins: Summer	110.0 00	108.4 88	109.01 6	0.528	106.6	0.932	0.000	105.6	46.179	Surcharged
MH 1.23	FSR: 100 years: +20 %: 15 mins: Summer	110.0 00	108.1 47	108.80 1	0.654	99.2	1.156	0.000	99.0	43.004	Surcharged
MH 1.40	FSR: 100 years: +20 %: 15 mins: Summer	110.0 00	108.4 00	108.61 9	0.219	101.6	0.388	0.000	99.7	44.070	OK
MH 1.41	FSR: 100 years: +20 %: 15 mins: Summer	110.0 00	107.9 45	108.25 1	0.306	198.6	0.541	0.000	198.3	86.739	OK
MH 1.25	FSR: 100 years: +20 %: 15 mins: Summer	110.0 00	108.3 44	108.49 3	0.149	48.8	0.262	0.000	48.3	21.138	OK
MH 1.29	FSR: 100 years: +20 %: 15 mins: Summer	108.2 00	106.0 25	106.69 8	0.673	995.2	1.714	0.000	984.0	512.832	OK
MH 1.26	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	108.3 58	108.50 6	0.148	48.7	0.261	0.000	48.3	21.125	OK
MH 1.45	FSR: 100 years: +20 %: 15 mins: Summer	106.4 00	103.7 74	105.31 4	1.540	49.4	3.920	0.000	36.8	21.464	Surcharged
MH 1.47	FSR: 100 years: +20 %: 30 mins: Summer	106.5 00	104.6 91	105.40 2	0.711	97.6	1.257	0.000	97.4	61.780	Surcharged
MH 1.48	FSR: 100 years: +20 %: 30 mins: Summer	106.5 00	104.2 43	105.36 3	1.120	199.7	1.979	0.000	159.1	126.032	Surcharged
MH 1.56	FSR: 100 years: +20 %: 15 mins: Summer	106.5 00	105.2 91	105.64 4	0.353	123.4	0.624	0.000	118.0	53.464	OK
MH 1.57	FSR: 100 years: +20 %: 15 mins: Summer	106.5 00	104.8 55	105.37 5	0.520	212.5	0.920	0.000	212.6	96.105	Surcharged
MH 1.86	FSR: 100 years: +20 %: 15 mins: Summer	112.7 50	111.22 5	111.33 6	0.111	28.9	0.197	0.000	28.6	12.508	OK
MH 1.88	FSR: 100 years: +20 %: 15 mins: Summer	112.7 50	110.1 44	110.56 8	0.424	40.4	0.750	0.000	36.2	17.519	Surcharged
MH 1.79	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	111.36 2	111.64 3	0.281	98.9	0.496	0.000	98.0	42.878	OK
MH 1.66	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	111.37 5	111.65 1	0.276	106.2	0.488	0.000	105.6	46.031	OK
MH 1.72	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	110.7 07	111.45 0	0.743	101.8	1.312	0.000	97.2	43.989	Surcharged
MH 1.64	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	111.00 0	111.12 9	0.129	49.9	0.228	0.000	49.4	21.618	OK

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MH 1.80	FSR: 100 years: +20 %: 15 mins: Summer	113.2 00	111.28 1	111.59 3	0.312	154.2	0.552	0.000	151.4	67.162	OK
MH 1.2	FSR: 100 years: +20 %: 15 mins: Summer	111.03 5	109.0 76	109.48 4	0.408	122.9	0.720	0.000	116.6	53.574	Surcharged
MH 1.4	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	108.7 85	109.37 5	0.590	98.6	1.043	0.000	94.8	42.727	Surcharged
MH 1.6	FSR: 100 years: +20 %: 15 mins: Summer	110.7 50	109.1 75	109.32 8	0.153	49.8	0.270	0.000	49.4	21.595	OK
MH 1.3	FSR: 100 years: +20 %: 15 mins: Summer	111.20 0	108.5 31	109.24 4	0.713	229.5	1.261	0.000	217.9	108.103	Surcharged
MH 1.42	FSR: 100 years: +20 %: 15 mins: Summer	109.8 90	107.4 78	107.92 4	0.446	261.6	0.788	0.000	256.8	115.233	OK
MH 1.39	FSR: 100 years: +20 %: 15 mins: Summer	109.5 40	106.4 09	107.15 9	0.750	408.1	1.908	0.000	406.3	193.634	Surcharged
MH 1.62	FSR: 100 years: +20 %: 15 mins: Summer	106.5 00	104.1 23	104.80 9	0.686	67.1	1.211	0.000	61.7	28.787	Surcharged
MH 1.49	FSR: 100 years: +20 %: 15 mins: Summer	106.5 00	103.7 97	105.22 2	1.425	253.7	2.518	0.000	230.4	131.542	Surcharged
MH 1.35	FSR: 100 years: +20 %: 15 mins: Summer	112.7 00	111.01 4	111.18 8	0.174	64.5	0.196	0.000	64.1	28.929	OK
MH 1.34	FSR: 100 years: +20 %: 15 mins: Summer	114.2 50	111.55 2	111.70 1	0.149	58.9	0.169	0.000	58.8	26.401	OK
MH 1.74	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	110.2 99	111.07 0	0.771	98.8	1.362	0.000	92.7	42.790	Surcharged
MH 1.73	FSR: 100 years: +20 %: 15 mins: Summer	113.2 90	109.8 87	110.95 0	1.064	300.6	1.880	0.000	301.1	181.369	Surcharged
MH 1.87	FSR: 100 years: +20 %: 15 mins: Summer	112.8 20	109.9 47	110.50 9	0.562	305.1	1.430	0.000	305.8	153.917	Surcharged
MH 1.68	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	111.08 5	111.47 5	0.390	133.0	0.690	0.000	135.8	58.694	OK
MH 1.67	FSR: 100 years: +20 %: 15 mins: Summer	112.8 65	111.30 5	111.55 8	0.253	127.7	0.447	0.000	126.0	55.594	OK
MH 1.83	FSR: 100 years: +20 %: 15 mins: Summer	112.6 50	111.15 7	111.27 6	0.119	49.5	0.211	0.000	49.3	21.468	OK
MH 1.94	FSR: 100 years: +20 %: 1440 mins: Winter	104.5 00	102.7 15	103.59 0	0.875	26.7	1.546	0.000	26.7	2797.105	OK
MH 1.60	FSR: 100 years: +20 %: 15 mins: Summer	108.4 55	105.7 86	105.89 5	0.109	38.2	0.124	0.000	39.2	16.535	OK
MH 1.93	FSR: 100 years: +20 %: 15 mins: Summer	106.0 00	103.0 01	103.98 5	0.984	736.3	2.504	0.000	735.0	399.877	Surcharged
MH 1.92	FSR: 100 years: +20 %: 15 mins: Summer	107.0 00	103.4 08	105.09 3	1.685	739.1	4.289	0.000	736.3	401.373	Surcharged
MH 1.27	FSR: 100 years: +20 %: 15 mins: Summer	108.9 70	106.7 52	107.66 4	0.912	598.4	2.320	0.000	597.5	297.120	Surcharged
MH 1.46	FSR: 100 years: +20 %: 15 mins: Summer	106.1 57	103.5 29	105.07 9	1.550	1710.9	5.369	0.000	1717.2	940.404	Surcharged

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MH 1.90	FSR: 100 years: +20 %: 15 mins: Summer	108.0 00	105.0 00	106.58 9	1.589	742.8	4.044	0.000	742.0	402.219	Surcharged
MH 1.91	FSR: 100 years: +20 %: 15 mins: Summer	107.0 00	104.7 92	105.87 9	1.087	742.0	2.766	0.000	739.1	401.864	Surcharged
MH 1.95	FSR: 100 years: +20 %: 15 mins: Summer	116.5 00	113.4 98	113.62 7	0.129	48.4	0.146	0.000	48.2	21.558	OK
MH 1.96	FSR: 100 years: +20 %: 15 mins: Summer	117.0 00	115.0 30	115.16 3	0.133	41.6	0.150	0.000	41.4	18.432	OK
MH 1.97	FSR: 100 years: +20 %: 15 mins: Summer	117.5 00	115.7 35	115.84 2	0.106	30.9	0.120	0.000	31.1	13.741	OK
MH 1.98	FSR: 100 years: +20 %: 15 mins: Summer	118.0 00	116.4 42	116.52 6	0.084	20.7	0.095	0.000	20.5	9.092	OK
MH 1.99	FSR: 100 years: +20 %: 15 mins: Summer	118.5 00	117.0 00	117.06 4	0.064	12.4	0.073	0.000	12.2	5.403	OK
MH 1.100	FSR: 100 years: +20 %: 15 mins: Summer	119.0 00	117.4 27	117.47 2	0.045	6.0	0.051	0.000	6.0	2.609	OK
MH 1.105	FSR: 100 years: +20 %: 15 mins: Summer	110.7 00	108.8 88	108.96 6	0.078	15.7	0.089	0.000	15.4	6.805	OK
MH 1.104	FSR: 100 years: +20 %: 15 mins: Summer	110.6 50	108.1 77	108.27 5	0.098	23.2	0.110	0.000	22.2	10.099	OK
MH 1.103	FSR: 100 years: +20 %: 15 mins: Summer	110.4 00	107.4 66	108.19 5	0.729	54.7	0.824	0.000	52.2	24.246	Surcharged
MH 1.102	FSR: 100 years: +20 %: 15 mins: Summer	109.0 00	106.8 41	107.75 3	0.912	52.2	1.031	0.000	50.9	24.277	Surcharged
MH 1.51	FSR: 100 years: +20 %: 15 mins: Summer	106.9 00	104.3 61	105.72 3	1.362	24.8	2.407	0.000	19.9	8.004	Surcharged
MH 1.101	FSR: 100 years: +20 %: 15 mins: Summer	109.8 90	106.8 44	107.10 8	0.264	39.9	0.467	0.000	37.5	17.284	Surcharged
MH 1.12	FSR: 100 years: +20 %: 15 mins: Summer	110.2 50	107.1 71	107.57 3	0.402	34.4	0.709	0.000	32.2	14.889	Surcharged
MH 1.106	FSR: 100 years: +20 %: 15 mins: Summer	106.6 00	105.1 00	105.16 7	0.067	10.4	0.075	0.000	10.1	4.512	OK
MH 1.107	FSR: 100 years: +20 %: 15 mins: Summer	106.4 50	104.4 75	104.58 6	0.111	26.4	0.126	0.000	26.1	11.394	OK
MH 1.108	FSR: 100 years: +20 %: 15 mins: Summer	106.1 50	103.8 71	104.52 8	0.657	37.4	0.743	0.000	26.2	13.230	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: D1 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 %: 1440 mins: Summer	103.029	103.029	0.529	0.529	91.3	2727.889	0.000	0.000	21.3	1829.277	67.958	OK

Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Stormwater Controls Summary Storm Phase: D1 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 %: 1440 mins: Summer	103.303	103.303	0.803	0.803	178.6	4260.883	0.000	0.000	26.7	3009.420	49.952	OK

Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Stormwater Controls Summary Storm Phase: D1 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	103.608	103.608	1.108	1.108	172.8	6053.363	0.000	0.000	26.7	2798.730	28.897	OK

Project: ADMIRAL	Date: 09/03/2026			
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Report Details: Type: Connections Summary Storm Phase: D1 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
1.1.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.5	MH 1.7	110.850	107.573	0.183	38.732	1.4	0.3	83.5	OK
1.4.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.8	MH 1.9	110.750	108.834	0.040	1.311	0.6	0.05	2.9	OK
1.4.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.9	MH 1.10	110.750	108.241	0.053	2.406	0.7	0.09	5.3	OK
1.4.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.10	MH 1.11	109.500	107.635	0.060	4.110	1.1	0.15	8.9	OK
1.1.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.7	MH 1.11	108.900	107.262	0.192	39.978	1.3	0.32	87.0	OK
1.6.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.15	MH 1.16	110.750	109.290	0.047	1.429	0.5	0.04	3.2	OK
1.6.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.16	MH 1.17	110.575	109.044	0.070	3.184	0.5	0.05	7.0	OK
1.6.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.17	MH 1.18	110.400	108.815	0.126	8.242	0.5	0.11	17.6	OK
1.6.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.18	MH 1.21	110.700	108.524	0.196	36.953	1.1	0.22	83.1	OK
1.6.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.21	MH 1.24	110.815	108.139	0.224	63.859	1.6	0.36	138.1	OK
1.18.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.53	MH 1.54	106.000	104.327	0.032	0.694	0.5	0.03	1.6	OK
1.18.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.54	MH 1.50	106.000	104.137	0.036	1.270	0.7	0.05	2.9	OK
1.1.007	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.14	MH 1.28	108.400	106.758	0.309	140.157	1.7	0.28	296.3	OK
1.13.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.31	MH 1.32	110.500	108.835	0.047	1.541	0.6	0.05	3.5	OK
1.13.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.32	MH 1.33	110.000	107.898	0.079	4.488	0.8	0.15	10.0	OK
1.13.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.33	MH 1.30	109.000	106.976	0.095	10.294	1.4	0.35	22.9	OK
1.14.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.36	MH 1.37	112.000	110.560	0.098	12.753	1.3	0.19	26.6	OK
1.14.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.37	MH 1.38	111.400	109.670	0.111	17.367	1.6	0.27	36.3	OK
1.1.010	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.30	MH 1.43	108.100	104.498	0.382	215.192	1.7	0.3	447.3	OK

Project: ADMIRAL				Date: 09/03/2026							
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Report Details: Type: Connections Summary Storm Phase: D1 Design				Company: Lally Chartered Engineers							


1.1.011	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.43	MH 1.44	106.400	104.284	0.406	219.338	1.6	0.3	455.1	OK
1.1.014	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.50	MH 1.55	106.075	103.758	0.446	267.628	1.6	0.29	522.8	OK
1.1.015	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.55	MH 1.63	106.000	103.626	0.447	317.992	1.8	0.34	599.7	OK
1.19.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.58	MH 1.61	106.660	104.500	0.159	34.022	1.5	0.23	76.2	OK
1.19.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.61	MH 1.55	106.200	103.715	0.299	45.632	1.2	0.31	103.8	OK
1.23.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.70	MH 1.71	112.650	110.767	0.163	23.369	1.0	0.22	51.3	OK
1.22.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.65	MH 1.75	112.870	109.769	0.230	59.958	1.4	0.49	117.0	OK
1.26.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.76	MH 1.77	112.750	111.293	0.056	1.590	0.5	0.08	3.5	OK
1.26.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.77	MH 1.78	113.000	110.758	0.085	4.402	0.7	0.21	9.1	OK
1.26.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.78	MH 1.75	112.650	110.215	0.098	8.059	1.0	0.38	16.4	OK
1.23.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.69	MH 1.70	112.870	110.999	0.141	20.932	1.1	0.2	46.7	OK
1.27.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.81	MH 1.82	113.030	111.140	0.153	20.131	1.1	0.27	46.2	OK
1.27.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.82	MH 1.84	112.830	110.863	0.168	31.746	1.3	0.26	72.0	OK
1.27.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.84	MH 1.85	112.650	110.629	0.176	33.221	1.3	0.27	74.5	OK
1.22.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.75	MH 1.89	112.650	108.927	0.262	113.509	2.1	0.45	229.1	OK
1.1.005	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.11	MH 1.13	108.740	107.061	0.199	48.478	1.4	0.25	104.2	OK
1.1.006	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.13	MH 1.14	108.570	106.861	0.255	53.583	1.1	0.27	112.9	OK
1.7.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.19	MH 1.18	110.750	109.360	0.106	12.607	1.3	0.25	28.8	OK
1.9.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.22	MH 1.21	110.750	109.371	0.117	12.383	1.1	0.3	28.2	OK
1.11.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.25	MH 1.24	110.000	108.418	0.072	6.114	1.1	0.12	13.9	OK
1.1.008	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.28	MH 1.29	108.300	106.547	0.306	145.777	1.8	0.28	305.0	OK
1.1.009	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.29	MH 1.30	108.200	106.330	0.291	146.209	2.0	0.29	310.5	OK
1.12.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.26	MH 1.24	110.750	108.432	0.072	6.109	1.1	0.12	13.9	OK

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1.16.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.45	MH 1.44	106.400	104.052	0.353	6.239	0.5	0.05	12.9	OK
1.19.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.57	MH 1.58	106.500	105.037	0.174	27.771	1.2	0.4	62.4	OK
1.29.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.86	MH 1.85	112.750	111.280	0.054	3.617	1.1	0.12	8.3	OK
1.24.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.72	MH 1.71	112.650	110.798	0.133	12.799	1.2	0.2	29.3	OK
1.22.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.64	MH 1.65	112.650	111.065	0.064	6.251	1.3	0.1	14.3	OK
1.8.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.20	MH 1.18	110.000	108.616	0.146	13.385	0.9	0.33	30.6	OK
1.10.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.23	MH 1.21	110.000	108.243	0.160	12.467	0.9	0.22	28.6	OK
1.27.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.80	MH 1.81	113.200	111.417	0.137	19.457	1.2	0.26	44.2	OK
1.3.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.6	MH 1.5	110.750	109.251	0.074	6.244	1.1	0.12	14.3	OK
1.1.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.3	MH 1.5	111.200	108.701	0.167	31.099	1.4	0.4	67.2	OK
1.2.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.4	MH 1.3	110.750	108.880	0.130	12.381	1.1	0.19	28.3	OK
1.14.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.38	MH 1.39	110.410	108.410	0.115	20.876	1.7	0.31	41.7	OK
1.14.005	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.39	MH 1.30	109.540	106.619	0.201	55.416	1.7	0.38	117.1	OK
1.15.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.42	MH 1.39	109.890	107.656	0.171	33.167	1.3	0.29	72.4	OK
1.1.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.1	MH 1.2	110.750	109.300	0.120	12.831	1.1	0.31	29.4	OK
1.21.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.62	MH 1.61	106.500	104.200	0.075	8.414	1.4	0.13	19.2	OK
1.14.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.34	MH 1.35	114.250	111.620	0.071	7.585	1.5	0.19	16.1	OK
1.14.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.35	MH 1.36	112.700	111.088	0.082	8.302	1.3	0.23	17.6	OK
1.23.005	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.71	MH 1.73	112.970	110.440	0.201	38.533	1.2	0.34	80.0	OK
1.23.006	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.73	MH 1.65	113.290	110.103	0.225	51.600	1.3	0.43	102.2	OK
1.25.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.74	MH 1.73	112.650	110.388	0.149	12.432	1.1	0.19	28.4	OK
1.27.005	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.85	MH 1.87	112.820	110.364	0.192	38.213	1.3	0.31	85.7	OK
1.27.006	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.87	MH 1.75	112.820	110.146	0.192	44.159	1.5	0.36	97.7	OK

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1.30.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.88	MH 1.87	112.750	110.207	0.128	5.073	0.8	0.17	11.6	OK
1.23.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.68	MH 1.69	112.650	111.212	0.134	16.904	1.0	0.16	38.7	OK
1.23.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.67	MH 1.68	112.865	111.428	0.125	16.093	1.0	0.15	36.5	OK
1.23.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.66	MH 1.67	112.650	111.502	0.125	13.319	0.9	0.21	30.5	OK
1.27.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.79	MH 1.80	112.650	111.480	0.127	12.404	0.9	0.17	28.4	OK
1.28.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.83	MH 1.82	112.650	111.220	0.115	6.231	0.6	0.1	14.2	OK
1.1.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.2	MH 1.3	111.035	109.192	0.143	15.553	0.9	0.21	35.0	OK
1.17.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.47	MH 1.48	106.500	104.796	0.129	13.387	0.8	0.12	30.0	OK
1.17.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.48	MH 1.49	106.500	104.397	0.165	27.244	1.1	0.24	60.9	OK
1.19.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.56	MH 1.57	106.500	105.412	0.151	15.493	0.8	0.23	34.8	OK
1.20.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.59	MH 1.60	110.750	107.939	0.052	3.188	1.3	0.25	7.2	OK
1.20.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.60	MH 1.58	108.455	105.842	0.055	4.845	1.4	0.13	11.0	OK
1.15.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.40	MH 1.41	110.000	108.509	0.128	12.759	0.9	0.19	28.6	OK
1.15.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.41	MH 1.42	110.000	108.091	0.162	25.054	1.1	0.22	56.3	OK
1.1.016	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.63	Pond	105.500	103.445	0.416	316.366	2.0	0.34	599.0	OK
1.22.007	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.93	Pond	106.000	103.286	0.266	113.197	2.1	0.45	230.1	OK
1.22.006	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.92	MH 1.93	107.000	103.682	0.280	113.733	2.0	0.46	232.3	OK
1.6.005	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.24	MH 1.27	109.670	107.145	0.298	77.326	1.3	0.46	165.2	OK
1.6.006	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.27	MH 1.14	108.970	107.050	0.281	85.272	1.5	0.51	182.4	OK
1.1.012	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.44	MH 1.46	106.200	104.051	0.421	227.727	1.6	0.3	456.2	OK
1.1.013	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.46	MH 1.50	106.157	103.943	0.427	266.485	1.6	0.29	516.2	OK
1.17.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.49	MH 1.46	106.500	103.974	0.294	37.931	1.0	0.33	82.4	OK
1.22.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.89	MH 1.90	110.900	107.194	0.271	114.495	2.1	0.46	231.6	OK

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Report Details: Type: Connections Summary Storm Phase: D1 Design				Company: Lally Chartered Engineers							


1.22.004	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.90	MH 1.91	108.000	105.290	0.286	114.346	1.9	0.46	232.5	OK
1.22.005	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.91	MH 1.92	107.000	105.073	0.265	113.951	2.1	0.46	232.8	OK
1.14.011	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.100	MH 1.99	119.000	117.452	0.030	0.755	0.6	0.03	1.7	OK
1.14.010	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.99	MH 1.98	118.500	117.035	0.040	1.561	0.8	0.05	3.5	OK
1.14.009	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.98	MH 1.97	118.000	116.486	0.049	2.623	0.9	0.09	5.9	OK
1.14.008	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.97	MH 1.96	117.500	115.790	0.059	3.959	1.1	0.13	8.8	OK
1.14.007	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.96	MH 1.95	117.000	115.094	0.063	5.299	1.3	0.17	11.4	OK
1.14.006	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.95	MH 1.34	116.500	113.560	0.061	6.192	1.5	0.16	13.3	OK
No Delay	FSR: 1 years: +0 %: 1440 mins: Summer	Pipe	Pond	MH 1.94	104.300	103.029	0.225	1829.277	0.5	0.54	21.3	Surcharged
1.31.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.105	MH 1.104	110.700	108.930	0.046	1.971	0.8	0.07	4.4	OK
1.31.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.104	MH 1.103	110.650	108.227	0.064	2.925	0.7	0.11	6.5	OK
1.31.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.103	MH 1.102	110.400	107.544	0.146	7.005	0.9	0.26	15.3	OK
1.31.003	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.102	MH 1.27	109.000	107.058	0.225	6.962	0.4	0.25	14.7	OK
1.32.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.51	MH 1.43	106.900	104.399	0.207	2.238	0.4	0.03	5.0	OK
1.33.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.101	MH 1.28	109.890	106.900	0.180	5.025	0.9	0.14	11.5	OK
1.34.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.12	MH 1.13	110.250	107.223	0.125	4.331	0.8	0.12	9.9	OK
1.35.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.106	MH 1.107	106.600	105.136	0.046	1.305	0.5	0.05	2.9	OK
1.35.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.107	MH 1.108	106.450	104.532	0.059	3.330	0.9	0.14	7.3	OK
1.35.002	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	MH 1.108	MH 1.55	106.150	103.933	0.061	3.786	0.9	0.15	8.2	OK

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Connections Summary Storm Phase: D1 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
1.1.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.5	MH 1.7	110.850	107.697	0.311	86.305	1.6	0.68	187.9	OK
1.4.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.8	MH 1.9	110.750	108.851	0.060	2.910	0.8	0.11	6.6	OK
1.4.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.9	MH 1.10	110.750	108.264	0.082	5.357	0.9	0.2	12.0	OK
1.4.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.10	MH 1.11	109.500	107.669	0.093	9.164	1.3	0.34	20.4	OK
1.1.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.7	MH 1.11	108.900	107.398	0.331	89.250	1.6	0.71	194.4	OK
1.6.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.15	MH 1.16	110.750	109.309	0.070	3.174	0.6	0.08	7.1	OK
1.6.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.16	MH 1.17	110.575	109.071	0.106	7.086	0.6	0.1	15.8	OK
1.6.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.17	MH 1.18	110.400	108.860	0.196	18.376	0.7	0.26	40.6	OK
1.6.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.18	MH 1.21	110.700	108.618	0.325	82.244	1.3	0.49	187.4	OK
1.6.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.21	MH 1.24	110.815	108.300	0.374	142.552	1.9	0.82	311.2	OK
1.18.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.53	MH 1.54	106.000	104.339	0.047	1.548	0.6	0.07	3.5	OK
1.18.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.54	MH 1.50	106.000	104.156	0.076	2.822	0.9	0.12	6.4	OK
1.1.007	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.14	MH 1.28	108.400	106.986	0.534	313.600	2.0	0.63	673.2	OK
1.13.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.31	MH 1.32	110.500	108.852	0.071	3.420	0.7	0.12	7.7	OK

Project: ADMIRAL				Date: 09/03/2026								
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1.13.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.32	MH 1.33	110.000	107.930	0.129	9.992	1.0	0.34	22.5	OK
1.13.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.33	MH 1.30	109.000	107.046	0.159	22.903	1.7	0.78	51.4	OK
1.14.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.36	MH 1.37	112.000	110.613	0.158	28.482	1.7	0.46	62.3	OK
1.14.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.37	MH 1.38	111.400	109.737	0.183	38.805	1.9	0.61	83.7	OK
1.1.010	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.30	MH 1.43	108.100	104.796	0.686	482.543	2.0	0.67	1017. 6	OK
1.1.011	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.43	MH 1.44	106.400	104.599	0.748	492.873	1.8	0.67	1017. 2	OK
1.1.014	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.50	MH 1.55	106.075	104.119	0.801	604.274	1.8	0.66	1179. 1	OK
1.1.015	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.55	MH 1.63	106.000	103.974	0.771	717.989	2.1	0.76	1357. 7	OK
1.19.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.58	MH 1.61	106.660	104.586	0.370	75.669	1.7	0.51	171.8	OK
1.19.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.61	MH 1.55	106.200	104.086	0.450	101.451	1.4	0.61	205.6	Surcharged
1.23.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.70	MH 1.71	112.650	110.847	0.266	52.227	1.2	0.49	116.1	OK
1.22.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.65	MH 1.75	112.870	109.999	0.413	134.780	1.7	1.08	258.1	Surcharged
1.26.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.76	MH 1.77	112.750	111.315	0.088	3.534	0.6	0.18	7.9	OK
1.26.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.77	MH 1.78	113.000	110.798	0.143	9.835	0.8	0.48	21.0	OK
1.26.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.78	MH 1.75	112.650	110.290	0.169	18.021	1.2	0.86	37.5	OK
1.23.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.69	MH 1.70	112.870	111.082	0.222	46.629	1.3	0.44	105.5	OK
1.27.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.81	MH 1.82	113.030	111.227	0.250	44.785	1.3	0.61	102.5	OK

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1.27.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.82	MH 1.84	112.830	110.971	0.279	70.639	1.6	0.58	160.5	OK
1.27.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.84	MH 1.85	112.650	110.743	0.299	74.016	1.5	0.61	167.3	OK
1.22.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.75	MH 1.89	112.650	109.313	0.525	254.628	2.5	1.02	517.2	Surcharged
1.1.005	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.11	MH 1.13	108.740	107.204	0.377	108.303	1.5	0.56	232.9	OK
1.1.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.13	MH 1.14	108.570	107.073	0.475	119.886	1.3	0.61	253.3	OK
1.7.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.19	MH 1.18	110.750	109.427	0.169	28.008	1.6	0.56	64.0	OK
1.9.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.22	MH 1.21	110.750	109.448	0.189	27.515	1.3	0.67	62.8	OK
1.11.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.25	MH 1.24	110.000	108.459	0.111	13.583	1.3	0.27	31.0	OK
1.1.008	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.28	MH 1.29	108.300	106.770	0.519	326.479	2.1	0.65	696.3	OK
1.1.009	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.29	MH 1.30	108.200	106.531	0.473	328.041	2.4	0.65	694.7	OK
1.12.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.26	MH 1.24	110.750	108.472	0.110	13.578	1.3	0.27	31.0	OK
1.16.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.45	MH 1.44	106.400	104.416	0.450	13.815	0.6	0.09	25.2	Surcharged
1.19.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.57	MH 1.58	106.500	105.174	0.297	61.772	1.5	0.9	139.0	OK
1.29.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.86	MH 1.85	112.750	111.311	0.083	8.036	1.4	0.27	18.4	OK
1.24.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.72	MH 1.71	112.650	110.850	0.222	28.383	1.4	0.45	66.4	OK
1.22.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.64	MH 1.65	112.650	111.100	0.097	13.892	1.6	0.22	31.8	OK
1.8.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.20	MH 1.18	110.000	108.714	0.243	29.713	1.1	0.73	67.7	OK

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1.10.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.23	MH 1.21	110.000	108.347	0.295	27.667	1.1	0.49	62.0	OK
1.27.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.80	MH 1.81	113.200	111.502	0.221	43.221	1.4	0.58	98.1	OK
1.3.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.6	MH 1.5	110.750	109.292	0.113	13.877	1.3	0.28	31.7	OK
1.1.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.3	MH 1.5	111.200	108.827	0.286	69.296	1.7	0.89	151.1	OK
1.2.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.4	MH 1.3	110.750	108.939	0.219	27.486	1.3	0.43	63.5	OK
1.14.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.38	MH 1.39	110.410	108.491	0.193	46.870	2.1	0.72	99.0	OK
1.14.005	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.39	MH 1.30	109.540	106.783	0.350	124.009	2.0	0.88	269.3	OK
1.15.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.42	MH 1.39	109.890	107.775	0.282	73.945	1.6	0.66	165.3	OK
1.1.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.1	MH 1.2	110.750	109.378	0.191	28.500	1.4	0.7	65.3	OK
1.21.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.62	MH 1.61	106.500	104.242	0.173	18.538	1.7	0.29	42.8	OK
1.14.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.34	MH 1.35	114.250	111.662	0.116	16.937	1.8	0.45	37.4	OK
1.14.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.35	MH 1.36	112.700	111.137	0.133	18.551	1.7	0.54	40.7	OK
1.23.005	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.71	MH 1.73	112.970	110.567	0.378	86.137	1.4	0.79	188.5	OK
1.23.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.73	MH 1.65	113.290	110.344	0.450	115.659	1.5	0.94	225.1	Surcharged
1.25.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.74	MH 1.73	112.650	110.436	0.283	27.523	1.2	0.43	63.3	OK
1.27.005	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.85	MH 1.87	112.820	110.494	0.324	85.205	1.6	0.69	189.5	OK
1.27.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.87	MH 1.75	112.820	110.282	0.319	98.618	1.8	0.79	218.3	OK

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1.30.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.88	MH 1.87	112.750	110.302	0.225	11.264	0.9	0.35	24.2	OK
1.23.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.68	MH 1.69	112.650	111.284	0.211	37.618	1.2	0.36	86.2	OK
1.23.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.67	MH 1.68	112.865	111.497	0.195	35.747	1.2	0.34	81.0	OK
1.23.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.66	MH 1.67	112.650	111.579	0.198	29.587	1.1	0.46	67.9	OK
1.27.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.79	MH 1.80	112.650	111.558	0.208	27.558	1.0	0.37	63.2	OK
1.28.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.83	MH 1.82	112.650	111.251	0.184	13.827	0.8	0.21	31.7	OK
1.1.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.2	MH 1.3	111.035	109.254	0.237	34.530	1.1	0.46	77.7	OK
1.17.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.47	MH 1.48	106.500	104.850	0.200	29.718	1.0	0.27	66.9	OK
1.17.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.48	MH 1.49	106.500	104.484	0.409	60.460	1.3	0.56	139.6	OK
1.19.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.56	MH 1.57	106.500	105.479	0.253	34.394	1.0	0.5	77.6	OK
1.20.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.59	MH 1.60	110.750	107.970	0.082	7.085	1.6	0.56	16.0	OK
1.20.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.60	MH 1.58	108.455	105.871	0.084	10.777	1.8	0.29	24.4	OK
1.15.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.40	MH 1.41	110.000	108.568	0.199	28.331	1.1	0.41	63.9	OK
1.15.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.41	MH 1.42	110.000	108.175	0.264	55.747	1.3	0.51	127.5	OK
1.1.016	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.63	Pond	105.500	103.743	0.687	716.067	2.4	0.75	1346.1	OK
1.22.007	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.93	Pond	106.000	103.579	0.500	255.199	2.4	0.98	499.2	Surcharged
1.22.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.92	MH 1.93	107.000	104.072	0.525	256.018	2.3	0.98	497.7	Surcharged

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1.6.005	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.24	MH 1.27	109.670	107.499	0.525	172.571	1.7	1.03	371.9	Surcharged
1.6.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.27	MH 1.14	108.970	107.334	0.507	190.544	1.9	1.15	412.9	Surcharged
1.1.012	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.44	MH 1.46	106.200	104.418	0.777	512.742	1.8	0.69	1040.7	OK
1.1.013	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.46	MH 1.50	106.157	104.288	0.780	600.306	1.9	0.66	1179.0	OK
1.17.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.49	MH 1.46	106.500	104.389	0.450	84.328	1.2	0.67	168.9	Surcharged
1.22.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.89	MH 1.90	110.900	107.563	0.525	257.005	2.4	1.01	515.5	Surcharged
1.22.004	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.90	MH 1.91	108.000	105.760	0.525	256.784	2.3	0.99	504.5	Surcharged
1.22.005	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.91	MH 1.92	107.000	105.435	0.525	256.386	2.5	0.99	505.2	Surcharged
1.14.011	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.100	MH 1.99	119.000	117.463	0.044	1.678	0.7	0.06	3.8	OK
1.14.010	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.99	MH 1.98	118.500	117.051	0.059	3.470	0.9	0.11	7.8	OK
1.14.009	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.98	MH 1.97	118.000	116.509	0.075	5.839	1.1	0.19	13.2	OK
1.14.008	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.97	MH 1.96	117.500	115.818	0.092	8.819	1.3	0.29	19.8	OK
1.14.007	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.96	MH 1.95	117.000	115.130	0.099	11.826	1.6	0.38	26.3	OK
1.14.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.95	MH 1.34	116.500	113.596	0.096	13.829	1.9	0.36	30.6	OK
No Delay	FSR: 30 years: +0 %: 480 mins: Summer	Pipe	Pond	MH 1.94	104.300	103.260	0.225	1094.521	0.7	0.68	26.7	Surcharged
1.31.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.105	MH 1.104	110.700	108.950	0.069	4.374	1.0	0.17	9.9	OK
1.31.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.104	MH 1.103	110.650	108.253	0.100	6.520	0.9	0.25	14.6	OK

Project: ADMIRAL				Date: 09/03/2026							
Designed by: TG & JH		Checked by: DML		Approved By: DML							
Report Details: Type: Connections Summary Storm Phase: D1 Design				Company: Lally Chartered Engineers							


1.31.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.103	MH 1.102	110.400	107.590	0.225	15.522	0.9	0.59	34.8	OK
1.31.003	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.102	MH 1.27	109.000	107.377	0.225	15.544	0.8	0.57	33.7	Surcharged
1.32.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.51	MH 1.43	106.900	104.595	0.300	4.928	0.5	0.08	11.3	OK
1.33.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.101	MH 1.28	109.890	106.929	0.225	11.105	1.0	0.31	25.6	OK
1.34.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.12	MH 1.13	110.250	107.250	0.225	9.581	0.9	0.26	22.0	OK
1.35.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.106	MH 1.107	106.600	105.153	0.070	2.899	0.6	0.12	6.5	OK
1.35.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.107	MH 1.108	106.450	104.562	0.093	7.418	1.1	0.31	16.7	OK
1.35.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	MH 1.108	MH 1.55	106.150	103.977	0.169	8.383	1.2	0.37	19.4	OK

Project: ADMIRAL	Date: 09/03/2026			
	Designed by: TG & JH	Checked by: DML	Approved By: DML	
Report Details: Type: Connections Summary Storm Phase: D1 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
1.1.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.5	MH 1.7	110.850	108.343	0.450	134.451	1.7	0.98	269.7	Surcharged
1.4.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.8	MH 1.9	110.750	108.863	0.075	4.526	0.9	0.17	10.3	OK
1.4.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.9	MH 1.10	110.750	108.282	0.117	8.340	1.1	0.32	18.8	OK
1.4.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.10	MH 1.11	109.500	107.726	0.225	14.116	1.4	0.55	32.8	OK
1.1.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.7	MH 1.11	108.900	107.975	0.450	139.403	1.8	1.01	278.7	Surcharged
1.6.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.15	MH 1.16	110.750	109.323	0.087	4.941	0.7	0.13	11.1	OK
1.6.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.16	MH 1.17	110.575	109.092	0.145	11.047	0.7	0.16	24.8	OK
1.6.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.17	MH 1.18	110.400	108.921	0.351	28.675	0.8	0.41	63.9	OK
1.6.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.18	MH 1.21	110.700	108.867	0.525	128.197	1.4	0.75	285.3	OK
1.6.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.21	MH 1.24	110.815	108.660	0.525	222.107	2.0	1.16	439.7	Surcharged
1.18.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.53	MH 1.54	106.000	104.765	0.225	2.474	0.6	0.18	9.6	Surcharged
1.18.003	FSR: 100 years: +20 %: 30 mins: Summer	Pipe	MH 1.54	MH 1.50	106.000	104.682	0.225	5.913	0.9	0.36	19.2	Surcharged
1.1.007	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.14	MH 1.28	108.400	107.291	0.750	489.682	2.2	0.89	954.3	Surcharged
1.13.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.31	MH 1.32	110.500	108.865	0.091	5.323	0.8	0.18	12.0	OK

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Report Details: Type: Connections Summary Storm Phase: D1 Design				Company: Lally Chartered Engineers								


1.13.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.32	MH 1.33	110.000	107.956	0.225	15.541	1.0	0.53	35.0	OK
1.13.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.33	MH 1.30	109.000	107.293	0.225	35.675	2.0	1.22	80.3	Surcharged
1.14.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.36	MH 1.37	112.000	110.662	0.219	44.402	1.8	0.72	98.1	OK
1.14.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.37	MH 1.38	111.400	109.809	0.300	60.239	2.0	0.96	130.9	OK
1.1.010	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.30	MH 1.43	108.100	106.013	0.900	753.881	2.3	0.97	1468.3	Surcharged
1.1.011	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.43	MH 1.44	106.400	105.701	0.900	771.047	2.3	0.97	1472.6	Surcharged
1.1.014	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.50	MH 1.55	106.075	104.766	0.975	947.711	2.3	0.97	1730.2	Surcharged
1.1.015	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.55	MH 1.63	106.000	104.509	0.975	1125.859	2.7	1.13	2023.1	Surcharged
1.19.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.58	MH 1.61	106.660	105.164	0.450	116.824	1.8	0.71	239.3	Surcharged
1.19.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.61	MH 1.55	106.200	104.773	0.450	158.098	1.9	0.91	305.9	Surcharged
1.23.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.70	MH 1.71	112.650	111.385	0.450	82.307	1.1	0.71	169.1	Surcharged
1.22.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.65	MH 1.75	112.870	110.295	0.450	211.442	2.2	1.5	357.1	Surcharged
1.26.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.76	MH 1.77	112.750	111.332	0.115	5.498	0.6	0.28	12.3	OK
1.26.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.77	MH 1.78	113.000	110.836	0.225	15.310	0.8	0.77	33.5	OK
1.26.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.78	MH 1.75	112.650	110.503	0.225	28.136	1.5	1.42	61.4	Surcharged
1.23.003	FSR: 100 years: +20 %: 15 mins: Winter	Pipe	MH 1.69	MH 1.70	112.870	111.334	0.450	72.867	1.5	0.66	157.6	Surcharged
1.27.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.81	MH 1.82	113.030	111.414	0.375	69.706	1.4	0.88	149.7	Surcharged

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1.27.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.82	MH 1.84	112.830	111.187	0.450	109.973	1.6	0.85	235.2	Surcharged
1.27.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.84	MH 1.85	112.650	111.009	0.450	115.319	1.6	0.86	235.8	Surcharged
1.22.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.75	MH 1.89	112.650	109.689	0.525	398.661	3.4	1.44	733.4	Surcharged
1.1.005	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.11	MH 1.13	108.740	107.691	0.525	169.241	1.5	0.79	326.4	Surcharged
1.1.006	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.13	MH 1.14	108.570	107.511	0.525	187.510	1.7	0.87	359.8	Surcharged
1.7.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.19	MH 1.18	110.750	109.497	0.232	43.582	1.7	0.87	99.5	OK
1.9.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.22	MH 1.21	110.750	109.560	0.276	42.818	1.4	1.04	97.1	Surcharged
1.11.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.25	MH 1.24	110.000	108.493	0.142	21.138	1.5	0.42	48.3	OK
1.1.008	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.28	MH 1.29	108.300	107.013	0.724	510.006	2.3	0.92	988.8	Surcharged
1.1.009	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.29	MH 1.30	108.200	106.698	0.619	512.832	2.5	0.92	984.0	OK
1.12.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.26	MH 1.24	110.750	108.506	0.142	21.125	1.5	0.42	48.3	OK
1.16.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.45	MH 1.44	106.400	105.314	0.450	21.462	0.7	0.13	36.8	Surcharged
1.19.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.57	MH 1.58	106.500	105.375	0.375	96.105	1.9	1.38	212.6	Surcharged
1.29.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.86	MH 1.85	112.750	111.336	0.106	12.508	1.5	0.42	28.6	OK
1.24.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.72	MH 1.71	112.650	111.450	0.300	43.989	1.5	0.66	97.2	Surcharged
1.22.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.64	MH 1.65	112.650	111.129	0.124	21.618	1.8	0.34	49.4	OK
1.8.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.20	MH 1.18	110.000	109.016	0.300	46.179	1.5	1.13	105.6	Surcharged

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1.10.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.23	MH 1.21	110.000	108.801	0.300	43.004	1.4	0.77	99.0	Surcharged
1.27.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.80	MH 1.81	113.200	111.593	0.361	67.162	1.5	0.9	151.4	OK
1.3.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.6	MH 1.5	110.750	109.328	0.145	21.595	1.5	0.43	49.4	OK
1.1.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.3	MH 1.5	111.200	109.244	0.375	108.103	2.0	1.29	217.9	Surcharged
1.2.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.4	MH 1.3	110.750	109.375	0.300	42.727	1.4	0.64	94.8	Surcharged
1.14.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.38	MH 1.39	110.410	108.711	0.300	73.327	2.1	1.03	140.8	Surcharged
1.14.005	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.39	MH 1.30	109.540	107.159	0.450	193.634	2.6	1.32	406.3	Surcharged
1.15.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.42	MH 1.39	109.890	107.924	0.401	115.233	1.7	1.02	256.8	OK
1.1.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.1	MH 1.2	110.750	109.594	0.300	44.307	1.5	1.09	101.3	Surcharged
1.21.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.62	MH 1.61	106.500	104.809	0.300	28.787	1.9	0.42	61.7	Surcharged
1.14.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.34	MH 1.35	114.250	111.701	0.161	26.401	1.9	0.7	58.8	OK
1.14.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.35	MH 1.36	112.700	111.188	0.183	28.929	1.9	0.85	64.1	OK
1.23.005	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.71	MH 1.73	112.970	111.290	0.450	135.381	1.4	0.93	221.2	Surcharged
1.23.006	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.73	MH 1.65	113.290	110.950	0.450	181.369	1.9	1.26	301.1	Surcharged
1.25.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.74	MH 1.73	112.650	111.070	0.300	42.790	1.4	0.63	92.7	Surcharged
1.27.005	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.85	MH 1.87	112.820	110.776	0.450	132.849	1.7	0.96	264.6	Surcharged
1.27.006	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.87	MH 1.75	112.820	110.509	0.450	153.917	1.9	1.11	305.8	Surcharged

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1.30.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.88	MH 1.87	112.750	110.568	0.225	17.519	1.0	0.53	36.2	Surcharged
1.23.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.68	MH 1.69	112.650	111.475	0.450	58.694	1.3	0.57	135.8	OK
1.23.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.67	MH 1.68	112.865	111.558	0.302	55.594	1.3	0.53	126.0	OK
1.23.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.66	MH 1.67	112.650	111.651	0.265	46.031	1.3	0.72	105.6	OK
1.27.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.79	MH 1.80	112.650	111.643	0.297	42.878	1.1	0.58	98.0	OK
1.28.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.83	MH 1.82	112.650	111.276	0.299	21.468	0.9	0.33	49.3	OK
1.1.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.2	MH 1.3	111.035	109.484	0.375	53.574	1.2	0.69	116.6	Surcharged
1.17.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.47	MH 1.48	106.500	105.360	0.450	46.306	1.1	0.42	104.4	Surcharged
1.17.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.48	MH 1.49	106.500	105.331	0.450	94.143	1.4	0.69	172.4	Surcharged
1.19.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.56	MH 1.57	106.500	105.644	0.375	53.464	1.1	0.76	118.0	OK
1.20.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.59	MH 1.60	110.750	108.001	0.111	11.025	1.8	0.88	24.9	OK
1.20.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.60	MH 1.58	108.455	105.895	0.225	16.535	2.0	0.47	39.2	OK
1.15.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.40	MH 1.41	110.000	108.619	0.263	44.070	1.2	0.65	99.7	OK
1.15.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.41	MH 1.42	110.000	108.251	0.376	86.739	1.4	0.79	198.3	OK
1.1.016	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.63	Pond	105.500	104.129	0.973	1123.198	2.7	1.13	2026.1	Surcharged
1.22.007	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.93	Pond	106.000	103.985	0.525	399.877	3.4	1.45	735.0	Surcharged
1.22.006	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.92	MH 1.93	107.000	105.093	0.525	401.373	3.4	1.45	736.3	Surcharged

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1.6.005	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.24	MH 1.27	109.670	108.013	0.525	268.956	2.5	1.5	538.3	Surcharged
1.6.006	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.27	MH 1.14	108.970	107.664	0.525	297.120	2.8	1.66	597.5	Surcharged
1.1.012	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.44	MH 1.46	106.200	105.314	0.900	802.969	2.4	1	1517.1	Surcharged
1.1.013	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.46	MH 1.50	106.157	105.079	0.975	940.404	2.3	0.96	1717.2	Surcharged
1.17.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.49	MH 1.46	106.500	105.222	0.450	131.542	1.4	0.92	230.4	Surcharged
1.22.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.89	MH 1.90	110.900	107.823	0.525	402.501	3.4	1.46	742.8	Surcharged
1.22.004	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.90	MH 1.91	108.000	106.589	0.525	402.219	3.4	1.46	742.0	Surcharged
1.22.005	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.91	MH 1.92	107.000	105.879	0.525	401.864	3.4	1.45	739.1	Surcharged
1.14.011	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.100	MH 1.99	119.000	117.472	0.055	2.609	0.8	0.09	6.0	OK
1.14.010	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.99	MH 1.98	118.500	117.064	0.074	5.403	1.1	0.18	12.2	OK
1.14.009	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.98	MH 1.97	118.000	116.526	0.095	9.092	1.3	0.3	20.5	OK
1.14.008	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.97	MH 1.96	117.500	115.842	0.120	13.741	1.4	0.45	31.1	OK
1.14.007	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.96	MH 1.95	117.000	115.163	0.129	18.432	1.7	0.6	41.4	OK
1.14.006	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.95	MH 1.34	116.500	113.627	0.126	21.558	2.1	0.57	48.2	OK
No Delay	FSR: 100 years: +20 %: 120 mins: Summer	Pipe	Pond	MH 1.94	104.300	103.352	0.225	201.257	0.7	0.68	27.0	Surcharged
1.31.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.105	MH 1.104	110.700	108.966	0.088	6.805	1.1	0.26	15.4	OK
1.31.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.104	MH 1.103	110.650	108.275	0.225	10.099	0.9	0.37	22.2	OK

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		Company: Lally Chartered Engineers										

1.31.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.103	MH 1.102	110.400	108.195	0.225	24.246	1.3	0.88	52.2	Surch arged
1.31.003	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.102	MH 1.27	109.000	107.753	0.225	24.277	1.3	0.86	50.9	Surch arged
1.32.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.51	MH 1.43	106.900	105.723	0.300	7.664	0.6	0.13	19.9	Surch arged
1.33.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.101	MH 1.28	109.890	107.108	0.225	17.284	1.1	0.45	37.5	Surch arged
1.34.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.12	MH 1.13	110.250	107.573	0.225	14.889	1.0	0.38	32.2	Surch arged
1.35.000	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.106	MH 1.107	106.600	105.167	0.089	4.512	0.7	0.19	10.1	OK
1.35.001	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.107	MH 1.108	106.450	104.586	0.225	11.394	1.2	0.49	26.1	OK
1.35.002	FSR: 100 years: +20 %: 15 mins: Summer	Pipe	MH 1.108	MH 1.55	106.150	104.528	0.225	13.128	1.2	0.49	26.2	Surch arged