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Merchant Exchange 17-19 Whitworth Street West Manchester, M1 5WG		
Date 19/05/2022 20:10 File 079809-CUR-XX-XX-M-C-92...	Designed by losty_a Checked by	
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STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Area A

Pipe Sizes STANDARD Manhole Sizes STANDARD

FSR Rainfall Model - England and Wales

Return Period (years)	1	PIMP (%)	100
M5-60 (mm)	19.000	Add Flow / Climate Change (%)	0
Ratio R	0.294	Minimum Backdrop Height (m)	0.200
Maximum Rainfall (mm/hr)	50	Maximum Backdrop Height (m)	1.500
Maximum Time of Concentration (mins)	30	Min Design Depth for Optimisation (m)	1.200
Foul Sewage (l/s/ha)	0.000	Min Vel for Auto Design only (m/s)	1.00
Volumetric Runoff Coeff.	0.750	Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

Network Design Table for Area A

« - Indicates pipe capacity < flow

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
1.000	17.745	0.072	246.5	0.036	5.00	0.0	0.600	o	225	Pipe/Conduit	
1.001	22.245	0.101	220.2	0.024	0.00	0.0	0.600	o	225	Pipe/Conduit	
2.000	22.738	0.268	84.8	0.031	5.00	0.0	0.600	o	150	Pipe/Conduit	
1.002	36.537	0.158	231.2	0.007	0.00	0.0	0.600	o	225	Pipe/Conduit	
1.003	38.007	0.179	212.3	0.080	0.00	0.0	0.600	o	225	Pipe/Conduit	
1.004	7.321	0.071	103.1	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
3.000	29.273	0.320	91.5	0.017	5.00	0.0	0.600	o	225	Pipe/Conduit	
3.001	6.114	0.071	86.1	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	43.35	5.36	133.720	0.036	0.0	0.0	0.0	0.83	32.9	4.2
1.001	42.03	5.78	133.648	0.060	0.0	0.0	0.0	0.88	34.9	6.8
2.000	43.39	5.35	133.890	0.031	0.0	0.0	0.0	1.09	19.3	3.6
1.002	40.01	6.49	133.547	0.098	0.0	0.0	0.0	0.86	34.0	10.6
1.003	38.22	7.20	133.389	0.178	0.0	0.0	0.0	0.89	35.5	18.4
1.004	37.99	7.30	133.210	0.178	0.0	0.0	0.0	1.29	51.2	18.4
3.000	43.36	5.36	133.530	0.017	0.0	0.0	0.0	1.37	54.4	2.0
3.001	43.12	5.43	133.210	0.017	0.0	0.0	0.0	1.41	56.1	2.0

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Network Design Table for Area A

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
1.005	51.919	0.536	96.9	0.088	0.00	0.0	0.600	o	225	Pipe/Conduit	
1.006	5.461	0.203	26.9	0.053	0.00	0.0	0.600	o	225	Pipe/Conduit	
4.000	14.343	1.145	12.5	0.079	5.00	0.0	0.600	o	150	Pipe/Conduit	
4.001	23.705	0.140	169.3	0.158	0.00	0.0	0.600	o	225	Pipe/Conduit	
4.002	46.253	0.420	110.0	0.198	0.00	0.0	0.600	o	225	Pipe/Conduit	
4.003	5.966	0.060	99.4	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
4.004	33.774	0.360	93.8	0.138	0.00	0.0	0.600	o	300	Pipe/Conduit	
4.005	34.305	0.069	500.0	0.081	0.00	0.0	0.600	oo	-4	Pipe/Conduit	
5.000	15.721	0.640	24.6	0.050	5.00	0.0	0.600	o	150	Pipe/Conduit	
4.006	20.635	0.041	503.3	0.000	0.00	0.0	0.600	oo	-4	Pipe/Conduit	
1.007	27.558	0.123	224.0	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.005	36.53	7.95	133.139	0.283	0.0	0.0	0.0	1.33	52.8	28.0
1.006	36.45	7.98	132.603	0.336	0.0	0.0	0.0	2.53	100.7	33.2
4.000	44.27	5.08	133.840	0.079	0.0	0.0	0.0	2.86	50.6	9.5
4.001	42.97	5.48	132.620	0.237	0.0	0.0	0.0	1.00	39.8	27.6
4.002	41.10	6.10	132.480	0.435	0.0	0.0	0.0	1.25	49.5	48.4
4.003	40.89	6.17	132.060	0.435	0.0	0.0	0.0	1.31	52.1	48.4
4.004	39.94	6.52	131.925	0.573	0.0	0.0	0.0	1.62	114.8	62.0
4.005	39.13	6.83	131.449	0.654	0.0	0.0	0.0	1.83	5640.9	69.3
5.000	44.11	5.13	133.090	0.050	0.0	0.0	0.0	2.04	36.1	6.0
4.006	38.66	7.02	131.380	0.704	0.0	0.0	0.0	1.83	5622.3	73.7
1.007	35.37	8.51	131.339	1.040	0.0	0.0	0.0	0.87	34.6«	99.6

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Manhole Schedules for Area A

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
AEX 20	137.770	4.050	Open Manhole	1200	1.000	133.720	225				
AEX 19	135.800	2.152	Open Manhole	1200	1.001	133.648	225	1.000	133.648	225	
AEX 21	134.450	0.560	Open Manhole	1200	2.000	133.890	150				
AEX 18	136.250	2.703	Open Manhole	1200	1.002	133.547	225	1.001	133.547	225	
								2.000	133.622	150	
AEX 17	135.000	1.611	Open Manhole	1200	1.003	133.389	225	1.002	133.389	225	
AEX 16	134.800	1.590	Open Manhole	1200	1.004	133.210	225	1.003	133.210	225	
AEX 14	134.330	0.800	Open Manhole	1200	3.000	133.530	225				
AEX 09A	134.800	1.590	Open Manhole	1200	3.001	133.210	225	3.000	133.210	225	
AEX 09	134.560	1.421	Open Manhole	1200	1.005	133.139	225	1.004	133.139	225	
								3.001	133.139	225	
AEX 03	134.600	1.997	Open Manhole	1200	1.006	132.603	225	1.005	132.603	225	
AEX 27	134.530	0.690	Open Manhole	450	4.000	133.840	150				
AEX 08	134.390	1.770	Open Manhole	1200	4.001	132.620	225	4.000	132.695	150	
AEX 07	134.010	1.530	Open Manhole	1200	4.002	132.480	225	4.001	132.480	225	
AEX 01A	133.300	1.240	Open Manhole	1200	4.003	132.060	225	4.002	132.060	225	
AEX 01	133.270	1.345	Open Manhole	1200	4.004	131.925	300	4.003	132.000	225	
AEX TS	133.790	2.341	Open Manhole	600	4.005	131.449	-4	4.004	131.565	300	
AEX 02	134.556	1.466	Open Manhole	1200	5.000	133.090	150				
ATS-INT	134.420	3.040	Open Manhole	600	4.006	131.380	-4	4.005	131.380	-4	
								5.000	132.450	150	
AEX TS	134.680	3.341	Open Manhole	600	1.007	131.339	225	1.006	132.400	225	1061
								4.006	131.339	-4	
AEDS14	135.070	3.854	Open Manhole	1200		OUTFALL		1.007	131.216	225	

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Area Summary for Area A

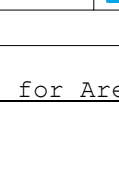
Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
1.000	-	-	100	0.036	0.036	0.036
1.001	-	-	100	0.024	0.024	0.024
2.000	-	-	100	0.031	0.031	0.031
1.002	-	-	100	0.007	0.007	0.007
1.003	-	-	100	0.080	0.080	0.080
1.004	-	-	100	0.000	0.000	0.000
3.000	-	-	100	0.017	0.017	0.017
3.001	-	-	100	0.000	0.000	0.000
1.005	-	-	100	0.088	0.088	0.088
1.006	-	-	100	0.053	0.053	0.053
4.000	-	-	100	0.079	0.079	0.079
4.001	-	-	100	0.158	0.158	0.158
4.002	-	-	100	0.198	0.198	0.198
4.003	-	-	100	0.000	0.000	0.000
4.004	-	-	100	0.138	0.138	0.138
4.005	-	-	100	0.081	0.081	0.081
5.000	-	-	100	0.050	0.050	0.050
4.006	-	-	100	0.000	0.000	0.000
1.007	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				1.040	1.040	1.040

Simulation Criteria for Area A

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/ha Storage	2.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1
Number of Input Hydrographs	0	Number of Storage Structures	0
Number of Online Controls	1	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Profile Type	Summer
Return Period (years)	1	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.000	Storm Duration (mins)	30
Ratio R	0.294		

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Summary of Critical Results by Maximum Outflow (Rank 1) for Area A

Simulation Criteria

Areal Reduction Factor 1.000	Additional Flow - % of Total Flow 0.000
Hot Start (mins) 0	MADD Factor * 10m³/ha Storage 2.000
Hot Start Level (mm) 0	Inlet Coeffiecient 0.800
Manhole Headloss Coeff (Global) 0.500	Flow per Person per Day (l/per/day) 0.000
Foul Sewage per hectare (l/s) 0.000	

Number of Input Hydrographs 0
 Number of Offline Controls 0
 Number of Time/Area Diagrams 0
 Number of Online Controls 1
 Number of Storage Structures 0
 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R 0.294
Region England and Wales Cv (Summer)	0.750	
M5-60 (mm)	19.000 Cv (Winter)	0.840

Margin for Flood Risk Warning (mm) 300.0
 Analysis Timestep 2.5 Second Increment (Extended)
 DTS Status OFF
 DVD Status ON
 Inertia Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 240, 360, 480, 960, 1440
 Return Period(s) (years) 1
 Climate Change (%) 0

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	AEX 20 15	Winter	1	+0%					133.777
1.001	AEX 19 15	Winter	1	+0%					133.718
2.000	AEX 21 15	Winter	1	+0%					133.936
1.002	AEX 18 15	Winter	1	+0%					133.637
1.003	AEX 17 15	Winter	1	+0%					133.506
1.004	AEX 16 15	Winter	1	+0%					133.319
3.000	AEX 14 15	Winter	1	+0%					133.559
3.001	AEX 09A 15	Winter	1	+0%					133.259
1.005	AEX 09 15	Winter	1	+0%					133.256
1.006	AEX 03 15	Winter	1	+0%					132.714
4.000	AEX 27 15	Winter	1	+0%					133.886
4.001	AEX 08 15	Winter	1	+0%					132.759
4.002	AEX 07 15	Winter	1	+0%					132.664
4.003	AEX 01A 15	Winter	1	+0%	1/15 Summer				132.309
4.004	AEX 01 15	Winter	1	+0%					132.081
4.005	AEX TS 15	Winter	1	+0%					131.852

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Summary of Critical Results by Maximum Outflow (Rank 1) for Area A

PN	US/MH Name	Surcharged Flooded		Pipe		Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)		
1.000	AEX 20	-0.168	0.000	0.14	4.2	OK	
1.001	AEX 19	-0.155	0.000	0.21	6.6	OK	
2.000	AEX 21	-0.104	0.000	0.20	3.6	OK	
1.002	AEX 18	-0.135	0.000	0.33	10.7	OK	
1.003	AEX 17	-0.108	0.000	0.52	17.6	OK	
1.004	AEX 16	-0.116	0.000	0.47	17.7	OK	
3.000	AEX 14	-0.196	0.000	0.04	2.0	OK	
3.001	AEX 09A	-0.176	0.000	0.05	1.9	OK	
1.005	AEX 09	-0.108	0.000	0.52	26.5	OK	
1.006	AEX 03	-0.114	0.000	0.49	30.8	OK	
4.000	AEX 27	-0.104	0.000	0.20	9.4	OK	
4.001	AEX 08	-0.086	0.000	0.69	25.2	OK	
4.002	AEX 07	-0.041	0.000	0.91	43.3	OK	
4.003	AEX 01A	0.024	0.000	1.26	43.3	SURCHARGED	
4.004	AEX 01	-0.144	0.000	0.53	55.5	OK	
4.005	AEX TS	-0.997	0.000	0.02	59.3	OK	

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<u>Surcharged Outfall Details for Area A</u> <table><tr><th>Outfall Pipe Number</th><th>Outfall Name</th><th>C. Level (m)</th><th>I. Level (m)</th><th>Min I. Level (m)</th><th>D,L (mm)</th><th>W (mm)</th><th></th></tr><tr><td>1.007</td><td>AEDS14</td><td>135.070</td><td>131.216</td><td>131.320</td><td>1200</td><td>0</td><td></td></tr><tr><td colspan="8">Datum (m) 0.000 Offset (mins) 0</td></tr></table>								Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)		1.007	AEDS14	135.070	131.216	131.320	1200	0		Datum (m) 0.000 Offset (mins) 0							
Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)																									
1.007	AEDS14	135.070	131.216	131.320	1200	0																									
Datum (m) 0.000 Offset (mins) 0																															
Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)																						
60	134.191	300	134.191	540	134.191	780	134.191	1020	134.191																						
120	134.191	360	134.191	600	134.191	840	134.191	1080	134.191																						
180	134.191	420	134.191	660	134.191	900	134.191	1140	134.191																						
240	134.191	480	134.191	720	134.191	960	134.191	1200	134.191																						

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Summary of Critical Results by Maximum Outflow (Rank 1) for Area A

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Offline Controls	0	Number of Time/Area Diagrams	0
Number of Online Controls	1	Number of Storage Structures	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.294
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 240, 360, 480, 960, 1440
Return Period(s) (years)	30
Climate Change (%)	0

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.
1.000	AEX 20	15 Winter	30	+0%				
1.001	AEX 19	15 Summer	30	+0%				
2.000	AEX 21	15 Winter	30	+0%				
1.002	AEX 18	15 Winter	30	+0%	30/15 Summer			
1.003	AEX 17	15 Winter	30	+0%	30/15 Summer			
1.004	AEX 16	15 Winter	30	+0%	30/15 Summer			
3.000	AEX 14	15 Winter	30	+0%				
3.001	AEX 09A	960 Winter	30	+0%	30/15 Winter			
1.005	AEX 09	15 Winter	30	+0%	30/15 Summer			
1.006	AEX 03	15 Winter	30	+0%	30/15 Summer			
4.000	AEX 27	15 Winter	30	+0%	30/15 Summer			
4.001	AEX 08	15 Winter	30	+0%	30/15 Summer			
4.002	AEX 07	15 Winter	30	+0%	30/15 Summer	30/15 Winter		
4.003	AEX 01A	15 Winter	30	+0%	30/15 Summer	30/120 Summer		
4.004	AEX 01	15 Winter	30	+0%	30/15 Summer	30/120 Summer		
4.005	AEX TS	15 Winter	30	+0%	30/120 Summer			

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<u>Surcharged Outfall Details for Area A</u> <table><thead><tr><th>Outfall Pipe Number</th><th>Outfall Name</th><th>C. Level (m)</th><th>I. Level (m)</th><th>Min I. Level (m)</th><th>D,L (mm)</th><th>W (mm)</th></tr></thead><tbody><tr><td>1.007</td><td>AEDS14</td><td>135.070</td><td>131.216</td><td>131.320</td><td>1200</td><td>0</td></tr></tbody></table> Datum (m) 0.000 Offset (mins) 0 <table><thead><tr><th>Time (mins)</th><th>Depth (m)</th><th>Time (mins)</th><th>Depth (m)</th><th>Time (mins)</th><th>Depth (m)</th><th>Time (mins)</th><th>Depth (m)</th><th>Time (mins)</th><th>Depth (m)</th><th>Time (mins)</th><th>Depth (m)</th></tr></thead><tbody><tr><td>60</td><td>134.447</td><td>300</td><td>134.447</td><td>540</td><td>134.447</td><td>780</td><td>134.447</td><td>1020</td><td>134.447</td><td>1260</td><td>134.447</td></tr><tr><td>120</td><td>134.447</td><td>360</td><td>134.447</td><td>600</td><td>134.447</td><td>840</td><td>134.447</td><td>1080</td><td>134.447</td><td>1320</td><td>134.447</td></tr><tr><td>180</td><td>134.447</td><td>420</td><td>134.447</td><td>660</td><td>134.447</td><td>900</td><td>134.447</td><td>1140</td><td>134.447</td><td>1380</td><td>134.447</td></tr><tr><td>240</td><td>134.447</td><td>480</td><td>134.447</td><td>720</td><td>134.447</td><td>960</td><td>134.447</td><td>1200</td><td>134.447</td><td>1440</td><td>134.447</td></tr></tbody></table>						Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)	1.007	AEDS14	135.070	131.216	131.320	1200	0	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	60	134.447	300	134.447	540	134.447	780	134.447	1020	134.447	1260	134.447	120	134.447	360	134.447	600	134.447	840	134.447	1080	134.447	1320	134.447	180	134.447	420	134.447	660	134.447	900	134.447	1140	134.447	1380	134.447	240	134.447	480	134.447	720	134.447	960	134.447	1200	134.447	1440	134.447
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Summary of Critical Results by Maximum Outflow (Rank 1) for Area A

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Offline Controls	0	Number of Time/Area Diagrams	0
Number of Online Controls	1	Number of Storage Structures	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.294
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 240, 360, 480, 960, 1440
Return Period(s) (years)	100
Climate Change (%)	0

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.
1.000	AEX 20	15 Winter	100	+0%	100/15 Summer			
1.001	AEX 19	15 Summer	100	+0%	100/15 Summer			
2.000	AEX 21	15 Summer	100	+0%	100/15 Summer			
1.002	AEX 18	15 Summer	100	+0%	100/15 Summer			
1.003	AEX 17	15 Winter	100	+0%	100/15 Summer			
1.004	AEX 16	15 Winter	100	+0%	100/15 Summer			
3.000	AEX 14	15 Winter	100	+0%	100/15 Winter			
3.001	AEX 09A	960 Winter	100	+0%	100/15 Summer			
1.005	AEX 09	15 Winter	100	+0%	100/15 Summer			
1.006	AEX 03	15 Winter	100	+0%	100/15 Summer			
4.000	AEX 27	15 Winter	100	+0%	100/15 Summer	100/15 Summer		
4.001	AEX 08	15 Summer	100	+0%	100/15 Summer	100/15 Summer		
4.002	AEX 07	15 Winter	100	+0%	100/15 Summer	100/15 Summer		
4.003	AEX 01A	15 Summer	100	+0%	100/15 Summer	100/30 Winter		
4.004	AEX 01	15 Winter	100	+0%	100/15 Summer	100/30 Winter		
4.005	AEX TS	15 Winter	100	+0%	100/30 Winter	100/60 Winter		

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Summary of Critical Results by Maximum Outflow (Rank 1) for Area A

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
1.000	AEX 20	134.225	0.280	0.000	0.39		11.6	SURCHARGED	
1.001	AEX 19	134.093	0.220	0.000	0.54		17.1	SURCHARGED	
2.000	AEX 21	134.114	0.074	0.000	0.59		10.8	SURCHARGED	
1.002	AEX 18	134.061	0.289	0.000	0.78		25.1	SURCHARGED	
1.003	AEX 17	134.090	0.476	0.000	1.22		41.1	SURCHARGED	
1.004	AEX 16	133.836	0.401	0.000	1.09		40.8	SURCHARGED	
3.000	AEX 14	133.761	0.006	0.000	0.12		6.2	SURCHARGED	
3.001	AEX 09A	133.592	0.157	0.000	0.26		9.8	SURCHARGED	
1.005	AEX 09	133.747	0.383	0.000	1.24		63.0	SURCHARGED	
1.006	AEX 03	132.903	0.075	0.000	1.18		75.1	SURCHARGED	
4.000	AEX 27	134.532	0.542	1.746	0.54		24.9	FLOOD	4
4.001	AEX 08	134.391	1.546	0.660	1.64		59.9	FLOOD	4
4.002	AEX 07	134.019	1.314	9.021	1.79		84.6	FLOOD	6
4.003	AEX 01A	132.856	0.571	0.000	2.37		81.9	SURCHARGED	15
4.004	AEX 01	132.739	0.514	0.000	1.17		123.6	SURCHARGED	15
4.005	AEX TS	132.633	-0.216	0.000	0.04		140.6	OK	1

									Water
	US/MH		Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Level
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act.	(m)
5.000	AEX 02	15 Winter	100	+0%	100/30 Winter				133.171
4.006	ATS-INT	15 Winter	100	+0%	100/30 Summer				132.593
1.007	AEX TS	960 Summer	100	+0%	100/15 Summer				133.687

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