

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:		



161

Type : Pond

Dimensions

Exceedance Level (m)	64.650
Depth (m)	2.345
Base Level (m)	62.305
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	6.455
Total Volume (m³)	9571.060

Depth (m)	Area (m²)	Volume (m³)
0.000	2500.00	0.000
2.400	6000.00	9898.387

Inlets

Inlet

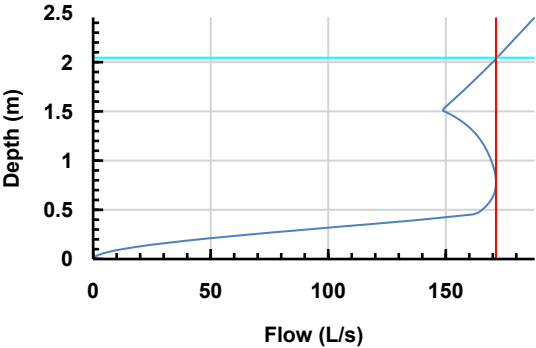
Inlet Type	Point Inflow
	1.024
Incoming Item(s)	26.005
	27.009
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	1.025
Outlet Type	Hydro-Brake®
Invert Level (m)	62.305
Design Depth (m)	2.045
Design Flow (L/s)	172.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒

Unit Reference	SHE-0482-1720-2045-1720
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Advanced	
Perimeter	Circular
Length (m)	20.000
Friction Scheme	Manning's n
n	0.5



164

Type : Pond

Dimensions	
Exceedance Level (m)	62.018
Depth (m)	1.018
Base Level (m)	61.000
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	10.557
Total Volume (m³)	1216.925

Depth (m)	Area (m²)	Volume (m³)
0.000	750.00	0.000
0.500	1350.00	517.705

Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	1.027
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Advanced	
Base Infiltration Rate (m/hr)	1.656
Safety Factor	2.0
Perimeter	Circular
Length (m)	1.000
Friction Scheme	Manning's n
n	0.5

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Flow Options

Peak Flow Calculation	(UK) Modified Rational Method
Min. Time of Entry (mins)	4
Max. Travel Time (mins)	30

Design Criteria FSR

Type: FSR

Return Period (years)	2.0
Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.450

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	1.200
Min. Slope (1:X)	500.00
Max. Slope (1:X)	40.00
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☒
Reduce Channel Depths	☒

Highover Farm, Hitchin:	Date: 20/09/2024			
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Report Title: Rainfall Analysis Criteria	Company Address:			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall		
FEH 2013		Type: FEH
Site Location	GB 519700 231850 TL 19700 31850	
Rainfall Version	2013	
Data Type	Catchment	
Summer	☒	
Winter	☒	

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	0.000
30.0	0.000
100.0	0.000
100.0	40.000

Storm Durations

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

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	Designed by: RH	Checked by: DSB	Approved By:	
Report Title: Rainfall Analysis Criteria	Company Address:			

Design Criteria FSR	Type: FSR
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Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.450
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	0.000

Storm Durations

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

Highover Farm, Hitchin:	Date: 20/09/2024		
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FEH 2013: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
3 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.81	159.3	73.834
9 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.00	88.6	41.056
22 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.55	136.5	63.272
30 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.69	148.9	69.021
40 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.03	3.8	1.759
40 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.16	14.5	6.744
40 - DA (2)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.15	12.8	5.956
40 - DA (3)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.03	4.9	2.278
41 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.06	9.2	4.262
41 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.15	12.8	5.929
42 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.06	8.2	3.783
43 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.05	7.3	3.390
43 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.05	6.8	3.132
43 - DA (2)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.18	15.5	7.175
43 - DA (3)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.15	13.2	6.129
44 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.04	5.4	2.521
44 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.07	6.6	3.063
51 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.23	108.5	50.267
60 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.13	99.4	46.071
61 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.06	8.8	4.061
61 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.10	9.2	4.265
63 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.22	19.6	9.079
32 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.04	6.4	2.949
32 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.20	17.3	8.018
32 - DA (2)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.10	9.1	4.202
33 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.08	11.7	5.413
33 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.10	8.7	4.040

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33 - DA (2)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.09	8.2	3.801
34 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.08	12.5	5.773
34 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.17	14.7	6.834
34 - DA (2)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.10	8.5	3.941
35 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.08	12.4	5.725
37 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.03	4.9	2.293
38 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.04	6.6	3.063
67 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.14	100.9	46.772
72 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.73	64.0	29.646
73 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.79	52.5	24.338
76 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.28	25.1	11.629
92 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.37	120.6	55.884
93 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.08	11.4	5.293
93 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.07	6.4	2.961
94 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.04	6.3	2.943
94 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.14	12.2	5.674
95 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.09	13.0	6.030
96 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.09	13.7	6.354
97 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.07	9.7	4.484
97 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.19	16.7	7.730
97 - DA (2)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.12	10.4	4.814
98 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.13	19.1	8.857
98 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.25	22.0	10.191
98 - DA (2)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.20	17.2	7.979
101 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.25	21.6	10.032
115 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.44	126.6	58.692
124 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	1.21	106.3	49.281
132 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.60	52.6	24.356
134 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.17	14.6	6.771
149 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	2.85	251.0	116.332
HD-01 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.03	4.4	2.059

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HD-03 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.03	5.0	2.317
HD-05 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.03	5.1	2.347
HD-08 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.02	3.0	1.385
HD-09 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.02	2.6	1.187
HD-10 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.01	1.5	0.698
HD-11 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.00	0.7	0.330
HD-11 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.02	2.6	1.184
HD-13 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.02	2.2	1.031
HD-13 - DA (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.01	1.8	0.842
HD-14 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.02	2.7	1.232
HD-16 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.02	2.9	1.355
HD-19 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.02	3.6	1.675
HD-22 - DA	FEH 2013: 2 years: +0 %: 15 mins: Winter	0.03	5.0	2.326

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FEH 2013: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
3 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.81	367.6	170.190
9 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.00	204.4	94.637
22 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.55	315.1	145.853
30 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.69	343.7	159.093
40 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.03	8.7	4.047
40 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.16	33.6	15.542
40 - DA (2)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.15	29.7	13.726
40 - DA (3)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.03	11.4	5.258
41 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.06	21.2	9.820
41 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.15	29.5	13.669
42 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.06	18.8	8.717
43 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.05	16.9	7.815
43 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.05	15.6	7.218
43 - DA (2)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.18	35.7	16.543
43 - DA (3)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.15	30.5	14.127
44 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.04	12.6	5.818
44 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.07	15.2	7.056
51 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.23	250.3	115.866
60 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.13	229.4	106.187
61 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.06	20.2	9.364
61 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.10	21.2	9.832
63 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.22	45.2	20.929
32 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.04	14.7	6.798
32 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.20	39.9	18.483
32 - DA (2)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.10	20.9	9.694
33 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.08	27.0	12.482
33 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.10	20.1	9.316

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33 - DA (2)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.09	18.9	8.765
34 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.08	28.7	13.309
34 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.17	34.0	15.746
34 - DA (2)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.10	19.6	9.091
35 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.08	28.5	13.201
37 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.03	11.4	5.279
38 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.04	15.3	7.059
67 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.14	232.9	107.805
72 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.73	147.6	68.334
73 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.79	121.2	56.095
76 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.28	57.9	26.807
92 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.37	278.3	128.809
93 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.08	26.4	12.200
93 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.07	14.7	6.828
94 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.04	14.6	6.780
94 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.14	28.3	13.081
95 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.09	30.0	13.896
96 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.09	31.6	14.643
97 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.07	22.3	10.329
97 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.19	38.5	17.820
97 - DA (2)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.12	24.0	11.097
98 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.13	44.1	20.422
98 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.25	50.7	23.488
98 - DA (2)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.20	39.7	18.390
101 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.25	49.9	23.120
115 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.44	292.2	135.284
124 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	1.21	245.4	113.600
132 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.60	121.3	56.146
134 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.17	33.7	15.611
149 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	2.85	579.3	268.157
HD-01 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.03	10.3	4.748

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HD-03 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.03	11.5	5.342
HD-05 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.03	11.7	5.411
HD-08 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.02	6.9	3.186
HD-09 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.02	5.9	2.740
HD-10 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.01	3.5	1.604
HD-11 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.00	1.7	0.767
HD-11 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.02	5.9	2.728
HD-13 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.02	5.1	2.380
HD-13 - DA (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.01	4.2	1.948
HD-14 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.02	6.1	2.839
HD-16 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.02	6.7	3.120
HD-19 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.02	8.3	3.858
HD-22 - DA	FEH 2013: 30 years: +0 %: 15 mins: Winter	0.03	11.6	5.360

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FEH 2013: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
3 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.81	462.5	213.944
9 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.00	257.2	118.967
22 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.55	396.4	183.348
30 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.69	432.4	199.996
40 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.03	11.0	5.090
40 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.16	42.2	19.541
40 - DA (2)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.15	37.3	17.254
40 - DA (3)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.03	14.3	6.610
41 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.06	26.7	12.350
41 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.15	37.1	17.179
42 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.06	23.7	10.959
43 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.05	21.2	9.829
43 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.05	19.6	9.077
43 - DA (2)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.18	45.0	20.794
43 - DA (3)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.15	38.4	17.760
44 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.04	15.8	7.314
44 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.07	19.2	8.870
51 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.23	314.9	145.654
60 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.13	288.6	133.490
61 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.06	25.4	11.768
61 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.10	26.7	12.356
63 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.22	56.9	26.309
32 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.04	18.5	8.546
32 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.20	50.2	23.231
32 - DA (2)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.10	26.3	12.182
33 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.08	33.9	15.689
33 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.10	25.3	11.711

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33 - DA (2)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.09	23.8	11.016
34 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.08	36.2	16.732
34 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.17	42.8	19.799
34 - DA (2)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.10	24.7	11.427
35 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.08	35.9	16.594
37 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.03	14.4	6.643
38 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.04	19.2	8.873
67 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.14	293.0	135.522
72 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.73	185.7	85.904
73 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.79	152.4	70.517
76 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.28	72.8	33.695
92 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.37	350.1	161.924
93 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.08	33.2	15.335
93 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.07	18.6	8.582
94 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.04	18.4	8.525
94 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.14	35.6	16.445
95 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.09	37.8	17.473
96 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.09	39.8	18.411
97 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.07	28.1	12.985
97 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.19	48.4	22.404
97 - DA (2)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.12	30.2	13.948
98 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.13	55.5	25.674
98 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.25	63.8	29.529
98 - DA (2)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.20	50.0	23.114
101 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.25	62.8	29.064
115 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.44	367.7	170.060
124 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	1.21	308.7	142.806
132 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.60	152.6	70.574
134 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.17	42.4	19.628
149 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	2.85	728.8	337.101
HD-01 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.03	12.9	5.965

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



HD-03 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.03	14.5	6.714
HD-05 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.03	14.7	6.801
HD-08 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.02	8.7	4.008
HD-09 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.02	7.4	3.444
HD-10 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.01	4.4	2.017
HD-11 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.00	2.1	0.959
HD-11 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.02	7.4	3.432
HD-13 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.02	6.5	2.995
HD-13 - DA (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.01	5.3	2.449
HD-14 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.02	7.7	3.564
HD-16 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.02	8.5	3.924
HD-19 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.02	10.5	4.853
HD-22 - DA	FEH 2013: 100 years: +0 %: 15 mins: Winter	0.03	14.6	6.732

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



FEH 2013: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
3 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.81	647.5	299.678
9 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.00	360.1	166.640
22 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.55	554.9	256.820
30 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.69	605.3	280.141
40 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.03	15.4	7.129
40 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.16	59.1	27.370
40 - DA (2)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.15	52.2	24.170
40 - DA (3)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.03	20.0	9.255
41 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.06	37.4	17.296
41 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.15	52.0	24.065
42 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.06	33.2	15.352
43 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.05	29.7	13.763
43 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.05	27.5	12.713
43 - DA (2)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.18	62.9	29.124
43 - DA (3)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.15	53.7	24.872
44 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.04	22.1	10.245
44 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.07	26.8	12.422
51 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.23	440.8	204.027
60 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.13	404.0	186.983
61 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.06	35.6	16.486
61 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.10	37.4	17.311
63 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.22	79.6	36.850
32 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.04	25.9	11.975
32 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.20	70.3	32.543
32 - DA (2)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.10	36.9	17.068
33 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.08	47.5	21.975
33 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.10	35.4	16.399

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



33 - DA (2)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.09	33.3	15.427
34 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.08	50.6	23.432
34 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.17	59.9	27.733
34 - DA (2)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.10	34.6	16.006
35 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.08	50.2	23.240
37 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.03	20.1	9.303
38 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.04	26.9	12.428
67 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.14	410.2	189.823
72 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.73	260.0	120.328
73 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.79	213.4	98.773
76 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.28	102.0	47.200
92 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.37	490.1	226.820
93 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.08	46.4	21.486
93 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.07	26.0	12.017
94 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.04	25.8	11.942
94 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.14	49.8	23.033
95 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.09	52.9	24.476
96 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.09	55.7	25.780
97 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.07	39.3	18.187
97 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.19	67.8	31.380
97 - DA (2)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.12	42.2	19.536
98 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.13	77.7	35.959
98 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.25	89.4	41.358
98 - DA (2)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.20	70.0	32.378
101 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.25	88.0	40.704
115 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.44	514.7	238.208
124 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	1.21	432.2	200.032
132 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.60	213.6	98.857
134 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.17	59.4	27.493
149 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	2.85	1020.3	472.190
HD-01 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.03	18.1	8.362

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



HD-03 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.03	20.3	9.405
HD-05 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.03	20.6	9.528
HD-08 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.02	12.1	5.617
HD-09 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.02	10.4	4.820
HD-10 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.01	6.1	2.825
HD-11 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.00	2.9	1.341
HD-11 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.02	10.4	4.811
HD-13 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.02	9.1	4.193
HD-13 - DA (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.01	7.4	3.428
HD-14 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.02	10.8	4.994
HD-16 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.02	11.9	5.497
HD-19 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.02	14.7	6.802
HD-22 - DA	FEH 2013: 100 years: +40 %: 15 mins: Winter	0.03	20.4	9.429

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



Design Criteria FSR: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
3 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.81	204.4	94.691
9 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.00	113.7	52.655
22 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.55	175.2	81.152
30 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.69	191.1	88.519
40 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.03	4.9	2.254
40 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.16	18.7	8.647
40 - DA (2)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.15	16.5	7.637
40 - DA (3)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.03	6.3	2.925
41 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.06	11.8	5.464
41 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.15	16.4	7.604
42 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.06	10.5	4.850
43 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.05	9.4	4.349
43 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.05	8.7	4.020
43 - DA (2)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.18	19.9	9.202
43 - DA (3)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.15	17.0	7.859
44 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.04	7.0	3.237
44 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.07	8.5	3.924
51 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.23	139.1	64.468
60 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.13	127.5	59.082
61 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.06	11.2	5.209
61 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.10	11.8	5.467
63 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.22	25.1	11.645
32 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.04	8.2	3.783
32 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.20	22.2	10.281
32 - DA (2)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.10	11.6	5.392
33 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.08	15.0	6.942
33 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.10	11.2	5.185

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



33 - DA (2)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.09	10.5	4.877
34 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.08	16.0	7.404
34 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.17	18.9	8.764
34 - DA (2)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.10	10.9	5.057
35 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.08	15.9	7.347
37 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.03	6.3	2.940
38 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.04	8.5	3.927
67 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.14	129.5	59.981
72 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.73	82.1	38.022
73 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.79	67.4	31.209
76 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.28	32.2	14.915
92 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.37	154.7	71.668
93 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.08	14.7	6.786
93 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.07	8.2	3.801
94 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.04	8.1	3.771
94 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.14	15.7	7.278
95 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.09	16.7	7.736
96 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.09	17.6	8.150
97 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.07	12.4	5.749
97 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.19	21.4	9.915
97 - DA (2)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.12	13.3	6.172
98 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.13	24.5	11.360
98 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.25	28.2	13.069
98 - DA (2)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.20	22.1	10.230
101 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.25	27.8	12.862
115 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.44	162.5	75.268
124 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	1.21	136.4	63.206
132 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.60	67.4	31.239
134 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.17	18.8	8.686
149 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	2.85	322.0	149.201
HD-01 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.03	5.7	2.641

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



HD-03 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.03	6.4	2.973
HD-05 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.03	6.5	3.012
HD-08 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.02	3.8	1.777
HD-09 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.02	3.3	1.526
HD-10 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.01	1.9	0.890
HD-11 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.00	0.9	0.426
HD-11 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.02	3.3	1.523
HD-13 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.02	2.9	1.322
HD-13 - DA (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.01	2.3	1.082
HD-14 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.02	3.4	1.577
HD-16 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.02	3.8	1.735
HD-19 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.02	4.6	2.146
HD-22 - DA	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	0.03	6.4	2.979

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm	Company Address:		





FEH 2013: 2 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
1	FEH 2013: 2 years: +0 %: 15 mins: Summer	79.689	77.863	77.863	0.000	0.0	0.000	0.000	0.0	0.000	OK
2	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.424	76.866	76.866	0.000	0.0	0.000	0.000	0.0	0.000	OK
3	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.479	75.579	75.755	0.176	159.3	0.311	0.000	157.1	73.856	OK
5	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.337	75.167	75.364	0.197	157.1	0.348	0.000	151.7	73.836	OK
4	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.440	77.090	77.090	0.000	0.0	0.000	0.000	0.0	0.000	OK
6	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.046	74.817	75.012	0.195	151.7	0.345	0.000	145.4	73.765	OK
9	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.766	74.532	74.749	0.217	233.9	0.383	0.000	217.4	114.736	OK
7	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.917	76.567	76.567	0.000	0.0	0.000	0.000	0.0	0.000	OK
8	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.027	75.676	75.676	0.000	0.0	0.000	0.000	0.0	0.000	OK
22	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.164	73.485	73.890	0.406	354.0	1.032	0.000	349.1	177.970	OK
10	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.678	77.175	77.175	0.000	0.0	0.000	0.000	0.0	0.000	OK
11	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.490	76.980	76.980	0.000	0.0	0.000	0.000	0.0	0.000	OK
12	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.054	76.495	76.495	0.000	0.0	0.000	0.000	0.0	0.000	OK
14	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.450	75.785	75.785	0.000	0.0	0.000	0.000	0.0	0.000	OK
13	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.228	76.025	76.025	0.000	0.0	0.000	0.000	0.0	0.000	OK
15	FEH 2013: 2 years: +0 %: 15 mins: Summer	76.989	75.520	75.520	0.000	0.0	0.000	0.000	0.0	0.000	OK
16	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.207	75.315	75.315	0.000	0.0	0.000	0.000	0.0	0.000	OK
17	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.119	75.240	75.240	0.000	0.0	0.000	0.000	0.0	0.000	OK
18	FEH 2013: 2 years: +0 %: 15 mins: Summer	76.972	75.055	75.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
19	FEH 2013: 2 years: +0 %: 15 mins: Summer	76.864	74.940	74.940	0.000	0.0	0.000	0.000	0.0	0.000	OK
20	FEH 2013: 2 years: +0 %: 15 mins: Summer	76.591	74.660	74.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
21	FEH 2013: 2 years: +0 %: 15 mins: Summer	76.440	74.515	74.515	0.000	0.0	0.000	0.000	0.0	0.000	OK
28	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.047	73.460	73.810	0.350	349.1	0.890	0.000	340.3	177.793	OK
23	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.043	76.693	76.693	0.000	0.0	0.000	0.000	0.0	0.000	OK
25	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.632	76.249	76.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
24	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.010	76.660	76.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
27	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.033	75.618	75.618	0.000	0.0	0.000	0.000	0.0	0.000	OK
26	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.405	76.055	76.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
29	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.813	73.410	73.684	0.274	340.3	0.698	0.000	330.4	177.724	OK
30	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.514	73.105	73.440	0.335	479.3	0.852	0.000	467.8	246.718	OK
31	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.276	72.875	73.187	0.313	467.8	0.795	0.000	457.5	246.305	OK
34	FEH 2013: 2 years: +0 %: 15 mins: Winter	74.888	72.410	73.004	0.594	798.9	1.640	0.000	742.7	459.338	OK
40	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.783	74.980	75.096	0.116	36.1	0.131	0.000	33.9	16.725	OK
41	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.354	74.470	74.635	0.165	55.9	0.236	0.000	52.4	26.890	OK
42	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.170	74.220	74.395	0.175	60.6	0.250	0.000	57.9	30.662	OK
43	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.422	74.025	74.261	0.236	100.7	0.417	0.000	95.0	50.441	OK
44	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.697	73.935	74.177	0.242	107.0	0.428	0.000	99.5	55.947	OK
61	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.907	73.650	74.078	0.428	315.7	1.088	0.000	292.0	160.179	OK
45	FEH 2013: 2 years: +0 %: 15 mins: Summer	81.794	80.400	80.400	0.000	0.0	0.000	0.000	0.0	0.000	OK
46	FEH 2013: 2 years: +0 %: 15 mins: Summer	80.472	78.369	78.369	0.000	0.0	0.000	0.000	0.0	0.000	OK

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47	FEH 2013: 2 years: +0 %: 15 mins: Summer	80.158	77.876	77.876	0.000	0.0	0.000	0.000	0.0	0.000	OK
48	FEH 2013: 2 years: +0 %: 15 mins: Summer	79.941	77.588	77.588	0.000	0.0	0.000	0.000	0.0	0.000	OK
49	FEH 2013: 2 years: +0 %: 15 mins: Summer	79.769	77.488	77.488	0.000	0.0	0.000	0.000	0.0	0.000	OK
50	FEH 2013: 2 years: +0 %: 15 mins: Summer	79.545	77.378	77.378	0.000	0.0	0.000	0.000	0.0	0.000	OK
51	FEH 2013: 2 years: +0 %: 15 mins: Winter	78.457	76.523	76.717	0.194	108.5	0.278	0.000	106.4	50.278	OK
54	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.955	76.267	76.463	0.196	106.4	0.280	0.000	103.7	50.246	OK
52	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.832	77.431	77.431	0.000	0.0	0.000	0.000	0.0	0.000	OK
53	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.488	77.096	77.096	0.000	0.0	0.000	0.000	0.0	0.000	OK
59	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.884	76.155	76.346	0.191	103.7	0.273	0.000	100.9	50.225	OK
55	FEH 2013: 2 years: +0 %: 15 mins: Summer	79.071	77.721	77.721	0.000	0.0	0.000	0.000	0.0	0.000	OK
56	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.364	77.008	77.008	0.000	0.0	0.000	0.000	0.0	0.000	OK
57	FEH 2013: 2 years: +0 %: 15 mins: Summer	78.259	76.895	76.895	0.000	0.0	0.000	0.000	0.0	0.000	OK
58	FEH 2013: 2 years: +0 %: 15 mins: Summer	77.973	76.568	76.568	0.000	0.0	0.000	0.000	0.0	0.000	OK
60	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.669	75.921	76.082	0.161	200.3	0.284	0.000	198.2	95.836	OK
63	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.234	73.555	73.968	0.413	311.6	1.051	0.000	284.5	168.871	OK
32	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.821	73.485	73.850	0.366	317.2	0.930	0.000	294.4	183.606	OK
33	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.753	73.385	73.618	0.234	323.0	0.595	0.000	305.7	196.897	OK
38	FEH 2013: 2 years: +0 %: 15 mins: Winter	74.764	72.290	72.684	0.395	764.2	1.178	0.000	750.8	470.240	OK
35	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.385	73.700	73.775	0.075	12.4	0.085	0.000	12.0	5.726	OK
36	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.176	73.490	73.562	0.072	12.0	0.082	0.000	11.4	5.717	OK
37	FEH 2013: 2 years: +0 %: 15 mins: Winter	74.934	73.245	73.345	0.100	16.4	0.113	0.000	14.9	7.992	OK
39	FEH 2013: 2 years: +0 %: 15 mins: Winter	74.367	71.955	72.316	0.361	750.8	1.078	0.000	722.8	469.822	OK
68	FEH 2013: 2 years: +0 %: 15 mins: Winter	73.309	71.360	71.665	0.305	818.4	0.911	0.000	785.0	516.043	OK
64	FEH 2013: 2 years: +0 %: 15 mins: Summer	75.829	74.200	74.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
65	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.921	73.320	73.320	0.000	0.0	0.000	0.000	0.0	0.000	OK
66	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.021	72.550	72.550	0.000	0.0	0.000	0.000	0.0	0.000	OK
67	FEH 2013: 2 years: +0 %: 15 mins: Winter	73.825	72.150	72.410	0.260	100.9	0.372	0.000	95.6	46.754	OK
74	FEH 2013: 2 years: +0 %: 15 mins: Winter	71.732	69.780	70.158	0.378	895.0	1.130	0.000	861.0	569.603	OK
69	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.413	72.130	72.130	0.000	0.0	0.000	0.000	0.0	0.000	OK
70	FEH 2013: 2 years: +0 %: 15 mins: Summer	72.878	71.670	71.670	0.000	0.0	0.000	0.000	0.0	0.000	OK
71	FEH 2013: 2 years: +0 %: 15 mins: Summer	72.301	71.090	71.090	0.000	0.0	0.000	0.000	0.0	0.000	OK
72	FEH 2013: 2 years: +0 %: 15 mins: Winter	71.987	70.560	70.763	0.203	64.0	0.291	0.000	59.9	29.627	OK
73	FEH 2013: 2 years: +0 %: 15 mins: Winter	71.742	70.295	70.448	0.153	52.5	0.270	0.000	50.1	24.328	OK
77	FEH 2013: 2 years: +0 %: 15 mins: Winter	71.251	69.300	69.633	0.334	883.1	0.997	0.000	863.2	580.896	OK
75	FEH 2013: 2 years: +0 %: 15 mins: Summer	72.087	70.845	70.845	0.000	0.0	0.000	0.000	0.0	0.000	OK
76	FEH 2013: 2 years: +0 %: 15 mins: Winter	71.689	70.260	70.380	0.120	25.1	0.135	0.000	22.1	11.603	OK
78	FEH 2013: 2 years: +0 %: 15 mins: Winter	70.276	68.325	68.666	0.341	863.2	1.018	0.000	837.8	580.570	OK
104	FEH 2013: 2 years: +0 %: 15 mins: Winter	69.511	67.560	67.963	0.404	994.1	1.205	0.000	1015.3	713.360	OK
79	FEH 2013: 2 years: +0 %: 15 mins: Summer	76.040	74.375	74.375	0.000	0.0	0.000	0.000	0.0	0.000	OK
80	FEH 2013: 2 years: +0 %: 15 mins: Summer	75.754	74.100	74.100	0.000	0.0	0.000	0.000	0.0	0.000	OK
81	FEH 2013: 2 years: +0 %: 15 mins: Summer	75.460	73.810	73.810	0.000	0.0	0.000	0.000	0.0	0.000	OK
82	FEH 2013: 2 years: +0 %: 15 mins: Summer	75.152	73.500	73.500	0.000	0.0	0.000	0.000	0.0	0.000	OK
83	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.975	73.290	73.290	0.000	0.0	0.000	0.000	0.0	0.000	OK
84	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.723	73.070	73.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
85	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.467	72.815	72.815	0.000	0.0	0.000	0.000	0.0	0.000	OK
86	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.053	72.400	72.400	0.000	0.0	0.000	0.000	0.0	0.000	OK

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87	FEH 2013: 2 years: +0 %: 15 mins: Summer	73.721	72.070	72.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
88	FEH 2013: 2 years: +0 %: 15 mins: Summer	73.680	71.960	71.960	0.000	0.0	0.000	0.000	0.0	0.000	OK
90	FEH 2013: 2 years: +0 %: 15 mins: Summer	73.151	71.500	71.500	0.000	0.0	0.000	0.000	0.0	0.000	OK
89	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.263	72.910	72.910	0.000	0.0	0.000	0.000	0.0	0.000	OK
91	FEH 2013: 2 years: +0 %: 15 mins: Summer	72.895	71.120	71.120	0.000	0.0	0.000	0.000	0.0	0.000	OK
92	FEH 2013: 2 years: +0 %: 15 mins: Winter	72.803	69.635	69.916	0.281	120.6	0.402	0.000	115.2	55.867	OK
94	FEH 2013: 2 years: +0 %: 15 mins: Winter	72.470	69.260	69.613	0.353	150.0	0.899	0.000	141.9	72.793	OK
93	FEH 2013: 2 years: +0 %: 15 mins: Winter	71.379	69.850	69.951	0.101	17.8	0.114	0.000	16.3	8.243	OK
99	FEH 2013: 2 years: +0 %: 15 mins: Winter	73.002	69.210	69.589	0.379	250.0	0.964	0.000	234.4	128.924	OK
95	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.749	73.875	73.950	0.075	13.0	0.085	0.000	11.9	6.021	OK
96	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.014	73.385	73.494	0.109	25.6	0.123	0.000	24.5	12.369	OK
97	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.389	73.135	73.295	0.160	61.2	0.181	0.000	55.3	29.341	OK
98	FEH 2013: 2 years: +0 %: 15 mins: Winter	74.418	72.540	72.703	0.163	113.6	0.233	0.000	111.6	56.362	OK
98 (1)	FEH 2013: 2 years: +0 %: 15 mins: Winter	73.719	71.840	71.953	0.112	111.6	0.161	0.000	108.2	56.314	OK
100	FEH 2013: 2 years: +0 %: 15 mins: Winter	73.097	69.155	69.515	0.360	234.4	0.916	0.000	220.7	128.739	OK
101	FEH 2013: 2 years: +0 %: 15 mins: Winter	72.977	69.115	69.444	0.329	242.3	0.837	0.000	199.5	138.828	OK
102	FEH 2013: 2 years: +0 %: 15 mins: Winter	73.436	68.830	69.098	0.268	199.5	0.682	0.000	220.9	136.850	OK
103	FEH 2013: 2 years: +0 %: 15 mins: Winter	70.136	68.160	68.445	0.285	220.9	0.727	0.000	237.3	133.323	OK
105	FEH 2013: 2 years: +0 %: 15 mins: Winter		67.110	67.549	0.440	1015.3			1044.5	712.981	OK
106	FEH 2013: 2 years: +0 %: 15 mins: Winter		66.845	67.528	0.682	1044.5			1160.3	699.002	OK
116	FEH 2013: 2 years: +0 %: 15 mins: Winter		66.640	67.119	0.479	1196.8			1255.1	727.457	OK
107	FEH 2013: 2 years: +0 %: 15 mins: Summer	72.336	70.986	70.986	0.000	0.0	0.000	0.000	0.0	0.000	OK
108	FEH 2013: 2 years: +0 %: 15 mins: Summer	71.973	70.623	70.623	0.000	0.0	0.000	0.000	0.0	0.000	OK
109	FEH 2013: 2 years: +0 %: 15 mins: Summer	71.769	70.419	70.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
110	FEH 2013: 2 years: +0 %: 15 mins: Summer	71.297	69.947	69.947	0.000	0.0	0.000	0.000	0.0	0.000	OK
115	FEH 2013: 2 years: +0 %: 15 mins: Winter	69.235	67.368	67.518	0.150	126.6	0.215	0.000	125.7	58.325	OK
111	FEH 2013: 2 years: +0 %: 15 mins: Summer	70.550	69.200	69.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
112	FEH 2013: 2 years: +0 %: 15 mins: Summer	70.529	69.134	69.134	0.000	0.0	0.000	0.000	0.0	0.000	OK
114	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.744	68.185	68.185	0.000	0.0	0.000	0.000	0.0	0.000	OK
113	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.769	68.419	68.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
125	FEH 2013: 2 years: +0 %: 15 mins: Winter		66.285	66.838	0.553	1285.6			1303.3	758.408	OK
117	FEH 2013: 2 years: +0 %: 15 mins: Summer	71.628	70.278	70.278	0.000	0.0	0.000	0.000	0.0	0.000	OK
118	FEH 2013: 2 years: +0 %: 15 mins: Summer	71.199	69.843	69.843	0.000	0.0	0.000	0.000	0.0	0.000	OK
119	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.991	68.641	68.641	0.000	0.0	0.000	0.000	0.0	0.000	OK
120	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.688	68.338	68.338	0.000	0.0	0.000	0.000	0.0	0.000	OK
121	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.467	68.117	68.117	0.000	0.0	0.000	0.000	0.0	0.000	OK
122	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.283	67.933	67.933	0.000	0.0	0.000	0.000	0.0	0.000	OK
123	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.035	67.684	67.684	0.000	0.0	0.000	0.000	0.0	0.000	OK
124	FEH 2013: 2 years: +0 %: 15 mins: Winter	68.589	67.013	67.166	0.153	106.3	0.220	0.000	104.6	48.979	OK
126	FEH 2013: 2 years: +0 %: 15 mins: Winter		65.687	66.186	0.498	1303.3			1289.1	746.514	OK
127	FEH 2013: 2 years: +0 %: 15 mins: Winter	65.541	63.710	64.161	0.451	1289.1	1.148	0.000	1279.1	743.231	OK
128	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.363	68.013	68.013	0.000	0.0	0.000	0.000	0.0	0.000	OK
129	FEH 2013: 2 years: +0 %: 15 mins: Summer	68.559	67.208	67.208	0.000	0.0	0.000	0.000	0.0	0.000	OK
130	FEH 2013: 2 years: +0 %: 15 mins: Summer	67.923	66.572	66.572	0.000	0.0	0.000	0.000	0.0	0.000	OK
131	FEH 2013: 2 years: +0 %: 15 mins: Summer	67.296	65.945	65.945	0.000	0.0	0.000	0.000	0.0	0.000	OK
132	FEH 2013: 2 years: +0 %: 15 mins: Winter	66.232	64.724	64.823	0.099	52.6	0.112	0.000	50.5	24.347	OK

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133	FEH 2013: 2 years: +0 %: 360 mins: Winter	65.321	62.560	62.992	0.432	9.4	0.489	0.000	9.0	81.007	Surcharged
134	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.790	74.365	74.421	0.056	14.6	0.063	0.000	14.3	6.772	OK
135	FEH 2013: 2 years: +0 %: 15 mins: Winter	74.491	72.872	72.933	0.061	14.3	0.069	0.000	13.7	6.766	OK
138	FEH 2013: 2 years: +0 %: 15 mins: Winter	73.766	72.199	72.253	0.054	13.7	0.061	0.000	13.3	6.763	OK
136	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.599	73.249	73.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
137	FEH 2013: 2 years: +0 %: 15 mins: Summer	74.262	72.912	72.912	0.000	0.0	0.000	0.000	0.0	0.000	OK
139	FEH 2013: 2 years: +0 %: 15 mins: Winter	72.723	71.156	71.208	0.052	13.3	0.059	0.000	12.8	6.757	OK
140	FEH 2013: 2 years: +0 %: 15 mins: Winter	71.220	69.653	69.705	0.052	12.8	0.059	0.000	12.3	6.747	OK
143	FEH 2013: 2 years: +0 %: 15 mins: Winter	70.496	68.928	68.983	0.055	12.3	0.062	0.000	11.6	6.741	OK
141	FEH 2013: 2 years: +0 %: 15 mins: Summer	71.000	69.650	69.650	0.000	0.0	0.000	0.000	0.0	0.000	OK
142	FEH 2013: 2 years: +0 %: 15 mins: Summer	70.677	69.325	69.325	0.000	0.0	0.000	0.000	0.0	0.000	OK
148	FEH 2013: 2 years: +0 %: 15 mins: Winter	68.914	67.346	67.397	0.051	11.6	0.058	0.000	10.5	6.707	OK
144	FEH 2013: 2 years: +0 %: 15 mins: Summer	72.961	71.611	71.611	0.000	0.0	0.000	0.000	0.0	0.000	OK
145	FEH 2013: 2 years: +0 %: 15 mins: Summer	71.342	69.992	69.992	0.000	0.0	0.000	0.000	0.0	0.000	OK
146	FEH 2013: 2 years: +0 %: 15 mins: Summer	70.546	69.196	69.196	0.000	0.0	0.000	0.000	0.0	0.000	OK
147	FEH 2013: 2 years: +0 %: 15 mins: Summer	69.926	68.576	68.576	0.000	0.0	0.000	0.000	0.0	0.000	OK
149	FEH 2013: 2 years: +0 %: 15 mins: Winter	68.086	66.061	66.285	0.224	261.5	0.396	0.000	257.8	123.030	OK
159	FEH 2013: 2 years: +0 %: 15 mins: Winter	67.513	65.413	65.590	0.177	259.7	0.313	0.000	247.7	136.216	OK
HD-01	FEH 2013: 2 years: +0 %: 15 mins: Winter	82.545	81.195	81.232	0.037	4.4	0.041	0.000	4.1	2.056	OK
HD-02	FEH 2013: 2 years: +0 %: 15 mins: Winter		79.541	79.562	0.021	4.1			3.4	2.022	OK
HD-04	FEH 2013: 2 years: +0 %: 15 mins: Winter		78.658	78.686	0.028	8.2			6.6	4.258	OK
HD-03	FEH 2013: 2 years: +0 %: 15 mins: Winter	80.650	79.300	79.347	0.047	5.0	0.054	0.000	4.8	2.314	OK
HD-06	FEH 2013: 2 years: +0 %: 15 mins: Winter		76.740	76.774	0.034	11.5			11.3	6.600	OK
HD-05	FEH 2013: 2 years: +0 %: 15 mins: Winter	78.926	77.776	77.813	0.037	5.1	0.042	0.000	4.9	2.345	OK
HD-07	FEH 2013: 2 years: +0 %: 15 mins: Winter		76.489	76.583	0.094	11.3			10.8	6.490	OK
HD-08	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.529	75.604	75.655	0.051	13.8	0.057	0.000	13.2	7.855	OK
HD-12	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.087	74.797	74.859	0.062	20.3	0.070	0.000	19.7	11.232	OK
HD-09	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.266	75.491	75.516	0.025	2.6	0.029	0.000	2.5	1.186	OK
HD-10	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.946	76.171	76.194	0.023	1.5	0.026	0.000	1.4	0.697	OK
HD-11	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.438	75.663	75.697	0.034	4.7	0.039	0.000	4.5	2.209	OK
HD-14	FEH 2013: 2 years: +0 %: 15 mins: Winter	76.334	74.409	74.547	0.138	26.3	0.157	0.000	24.9	14.299	OK
HD-13	FEH 2013: 2 years: +0 %: 15 mins: Winter	77.175	75.400	75.432	0.032	4.0	0.037	0.000	3.9	1.872	OK
HD-15	FEH 2013: 2 years: +0 %: 15 mins: Winter		74.181	74.243	0.062	24.9			23.2	14.375	OK
HD-17	FEH 2013: 2 years: +0 %: 30 mins: Winter		73.646	73.915	0.269	21.9			21.8	17.812	OK
HD-16	FEH 2013: 2 years: +0 %: 15 mins: Winter	75.800	74.450	74.486	0.036	2.9	0.041	0.000	2.8	1.353	OK
HD-18	FEH 2013: 2 years: +0 %: 15 mins: Winter		73.573	73.637	0.064	20.0			22.6	12.918	OK
HD-20	FEH 2013: 2 years: +0 %: 15 mins: Winter		72.716	72.773	0.057	23.8			25.2	14.630	OK
HD-19	FEH 2013: 2 years: +0 %: 15 mins: Winter	74.600	73.250	73.294	0.044	3.6	0.049	0.000	3.4	1.673	OK
HD-21	FEH 2013: 2 years: +0 %: 15 mins: Winter		71.550	71.767	0.217	25.2			27.2	11.966	OK
HD-23	FEH 2013: 2 years: +0 %: 15 mins: Winter		71.368	71.427	0.059	28.9			27.3	13.948	OK
HD-22	FEH 2013: 2 years: +0 %: 15 mins: Winter	73.046	71.896	71.949	0.053	5.0	0.060	0.000	4.8	2.323	OK
HD-24	FEH 2013: 2 years: +0 %: 15 mins: Winter		68.487	68.561	0.074	27.3			26.9	13.890	OK
157	FEH 2013: 2 years: +0 %: 15 mins: Winter	69.750	67.725	67.789	0.064	26.9	0.113	0.000	25.9	13.775	OK
158	FEH 2013: 2 years: +0 %: 30 mins: Winter	69.305	67.280	67.337	0.057	23.7	0.101	0.000	24.3	20.541	OK
160	FEH 2013: 2 years: +0 %: 360 mins: Winter	65.183	62.560	62.992	0.432	55.3	0.764	0.000	53.8	471.165	OK
162	FEH 2013: 2 years: +0 %: 360 mins: Winter	64.650	62.236	62.453	0.217	150.7	0.981	0.000	150.7	2736.942	OK

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163	FEH 2013: 2 years: +0 %: 360 mins: Winter	64.080	62.021	62.363	0.342	150.7	0.604	0.000	150.7	2736.354	Surcharged
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FEH 2013: 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
1	FEH 2013: 30 years: +0 %: 15 mins: Summer	79.689	77.863	77.863	0.000	0.0	0.000	0.000	0.0	0.000	OK
2	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.424	76.866	76.866	0.000	0.0	0.000	0.000	0.0	0.000	OK
3	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.479	75.579	75.872	0.293	367.6	0.518	0.000	363.1	170.221	OK
5	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.337	75.167	75.493	0.326	363.1	0.576	0.000	351.6	170.183	OK
4	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.440	77.090	77.090	0.000	0.0	0.000	0.000	0.0	0.000	OK
6	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.046	74.817	75.149	0.332	351.6	0.586	0.000	338.0	170.073	OK
9	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.766	74.532	74.898	0.366	542.4	0.646	0.000	521.1	264.577	OK
7	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.917	76.567	76.567	0.000	0.0	0.000	0.000	0.0	0.000	OK
8	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.027	75.676	75.676	0.000	0.0	0.000	0.000	0.0	0.000	OK
22	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.164	73.485	74.174	0.689	836.2	1.754	0.000	805.8	410.476	OK
10	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.678	77.175	77.175	0.000	0.0	0.000	0.000	0.0	0.000	OK
11	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.490	76.980	76.980	0.000	0.0	0.000	0.000	0.0	0.000	OK
12	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.054	76.495	76.495	0.000	0.0	0.000	0.000	0.0	0.000	OK
14	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.450	75.785	75.785	0.000	0.0	0.000	0.000	0.0	0.000	OK
13	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.228	76.025	76.025	0.000	0.0	0.000	0.000	0.0	0.000	OK
15	FEH 2013: 30 years: +0 %: 15 mins: Summer	76.989	75.520	75.520	0.000	0.0	0.000	0.000	0.0	0.000	OK
16	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.207	75.315	75.315	0.000	0.0	0.000	0.000	0.0	0.000	OK
17	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.119	75.240	75.240	0.000	0.0	0.000	0.000	0.0	0.000	OK
18	FEH 2013: 30 years: +0 %: 15 mins: Summer	76.972	75.055	75.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
19	FEH 2013: 30 years: +0 %: 15 mins: Summer	76.864	74.940	74.940	0.000	0.0	0.000	0.000	0.0	0.000	OK
20	FEH 2013: 30 years: +0 %: 15 mins: Summer	76.591	74.660	74.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
21	FEH 2013: 30 years: +0 %: 15 mins: Summer	76.440	74.515	74.515	0.000	0.0	0.000	0.000	0.0	0.000	OK
28	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.047	73.460	74.056	0.597	805.8	1.518	0.000	790.4	410.228	OK
23	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.043	76.693	76.693	0.000	0.0	0.000	0.000	0.0	0.000	OK
25	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.632	76.249	76.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
24	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.010	76.660	76.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
27	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.033	75.618	75.618	0.000	0.0	0.000	0.000	0.0	0.000	OK
26	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.405	76.055	76.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
29	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.813	73.410	73.904	0.495	790.4	1.259	0.000	778.8	410.145	OK
30	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.514	73.105	73.747	0.642	1122.5	1.634	0.000	1086.5	569.179	OK
31	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.276	72.875	73.549	0.674	1086.5	1.715	0.000	1026.6	568.676	OK
34	FEH 2013: 30 years: +0 %: 15 mins: Winter	74.888	72.410	73.486	1.076	1858.2	2.972	0.000	1801.8	1062.682	Surcharged
40	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.783	74.980	75.180	0.200	83.3	0.226	0.000	80.8	38.338	OK
41	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.354	74.470	74.766	0.296	131.5	0.424	0.000	125.2	61.468	OK
42	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.170	74.220	74.588	0.368	144.1	0.526	0.000	91.3	70.513	OK
43	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.422	74.025	74.583	0.558	190.1	0.986	0.000	174.0	116.266	Surcharged
44	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.697	73.935	74.529	0.594	201.8	1.049	0.000	186.1	129.120	Surcharged
61	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.907	73.650	74.481	0.831	682.7	2.115	0.000	646.2	370.749	Surcharged
45	FEH 2013: 30 years: +0 %: 15 mins: Summer	81.794	80.400	80.400	0.000	0.0	0.000	0.000	0.0	0.000	OK
46	FEH 2013: 30 years: +0 %: 15 mins: Summer	80.472	78.369	78.369	0.000	0.0	0.000	0.000	0.0	0.000	OK

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47	FEH 2013: 30 years: +0 %: 15 mins: Summer	80.158	77.876	77.876	0.000	0.0	0.000	0.000	0.0	0.000	OK
48	FEH 2013: 30 years: +0 %: 15 mins: Summer	79.941	77.588	77.588	0.000	0.0	0.000	0.000	0.0	0.000	OK
49	FEH 2013: 30 years: +0 %: 15 mins: Summer	79.769	77.488	77.488	0.000	0.0	0.000	0.000	0.0	0.000	OK
50	FEH 2013: 30 years: +0 %: 15 mins: Summer	79.545	77.378	77.378	0.000	0.0	0.000	0.000	0.0	0.000	OK
51	FEH 2013: 30 years: +0 %: 15 mins: Winter	78.457	76.523	76.871	0.348	250.3	0.498	0.000	243.3	115.872	OK
54	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.955	76.267	76.613	0.346	243.3	0.495	0.000	236.0	115.826	OK
52	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.832	77.431	77.431	0.000	0.0	0.000	0.000	0.0	0.000	OK
53	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.488	77.096	77.096	0.000	0.0	0.000	0.000	0.0	0.000	OK
59	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.884	76.155	76.479	0.324	236.0	0.463	0.000	230.4	115.796	OK
55	FEH 2013: 30 years: +0 %: 15 mins: Summer	79.071	77.721	77.721	0.000	0.0	0.000	0.000	0.0	0.000	OK
56	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.364	77.008	77.008	0.000	0.0	0.000	0.000	0.0	0.000	OK
57	FEH 2013: 30 years: +0 %: 15 mins: Summer	78.259	76.895	76.895	0.000	0.0	0.000	0.000	0.0	0.000	OK
58	FEH 2013: 30 years: +0 %: 15 mins: Summer	77.973	76.568	76.568	0.000	0.0	0.000	0.000	0.0	0.000	OK
60	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.669	75.921	76.171	0.250	459.8	0.442	0.000	455.1	221.320	OK
63	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.234	73.555	74.285	0.730	691.4	1.857	0.000	668.6	391.290	OK
32	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.821	73.485	74.095	0.610	744.1	1.553	0.000	708.1	425.775	OK
33	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.753	73.385	73.771	0.386	774.1	0.983	0.000	749.2	456.752	OK
38	FEH 2013: 30 years: +0 %: 15 mins: Winter	74.764	72.290	72.993	0.704	1852.2	2.101	0.000	1830.1	1088.000	OK
35	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.385	73.700	73.823	0.123	28.5	0.139	0.000	27.9	13.203	OK
36	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.176	73.490	73.606	0.116	27.9	0.131	0.000	27.0	13.189	OK
37	FEH 2013: 30 years: +0 %: 15 mins: Winter	74.934	73.245	73.424	0.179	38.4	0.202	0.000	35.2	18.447	OK
39	FEH 2013: 30 years: +0 %: 15 mins: Winter	74.367	71.955	72.585	0.630	1830.1	1.882	0.000	1786.9	1087.497	OK
68	FEH 2013: 30 years: +0 %: 15 mins: Winter	73.309	71.360	71.895	0.536	2003.4	1.600	0.000	1939.1	1194.630	OK
64	FEH 2013: 30 years: +0 %: 15 mins: Summer	75.829	74.200	74.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
65	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.921	73.320	73.320	0.000	0.0	0.000	0.000	0.0	0.000	OK
66	FEH 2013: 30 years: +0 %: 15 mins: Winter	74.021	72.550	72.688	0.138	12.5	0.156	0.000	0.8	1.323	OK
67	FEH 2013: 30 years: +0 %: 15 mins: Winter	73.825	72.150	72.795	0.645	232.9	0.923	0.000	216.5	109.049	Surcharged
74	FEH 2013: 30 years: +0 %: 15 mins: Winter	71.732	69.780	70.462	0.682	2193.1	2.037	0.000	2109.2	1318.455	OK
69	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.413	72.130	72.130	0.000	0.0	0.000	0.000	0.0	0.000	OK
70	FEH 2013: 30 years: +0 %: 15 mins: Summer	72.878	71.670	71.670	0.000	0.0	0.000	0.000	0.0	0.000	OK
71	FEH 2013: 30 years: +0 %: 15 mins: Summer	72.301	71.090	71.090	0.000	0.0	0.000	0.000	0.0	0.000	OK
72	FEH 2013: 30 years: +0 %: 15 mins: Winter	71.987	70.560	70.939	0.379	147.6	0.542	0.000	137.0	68.308	Surcharged
73	FEH 2013: 30 years: +0 %: 15 mins: Winter	71.742	70.295	70.540	0.245	121.2	0.433	0.000	117.0	55.621	OK
77	FEH 2013: 30 years: +0 %: 15 mins: Winter	71.251	69.300	69.896	0.596	2160.2	1.781	0.000	2112.8	1344.865	OK
75	FEH 2013: 30 years: +0 %: 15 mins: Summer	72.087	70.845	70.845	0.000	0.0	0.000	0.000	0.0	0.000	OK
76	FEH 2013: 30 years: +0 %: 15 mins: Winter	71.689	70.260	70.461	0.201	57.9	0.227	0.000	51.0	26.774	OK
78	FEH 2013: 30 years: +0 %: 15 mins: Winter	70.276	68.325	68.947	0.622	2112.8	1.859	0.000	2048.6	1344.453	OK
104	FEH 2013: 30 years: +0 %: 30 mins: Winter	69.511	67.560	68.260	0.700	2324.6	2.091	0.000	2322.2	2165.442	OK
79	FEH 2013: 30 years: +0 %: 15 mins: Summer	76.040	74.375	74.375	0.000	0.0	0.000	0.000	0.0	0.000	OK
80	FEH 2013: 30 years: +0 %: 15 mins: Summer	75.754	74.100	74.100	0.000	0.0	0.000	0.000	0.0	0.000	OK
81	FEH 2013: 30 years: +0 %: 15 mins: Summer	75.460	73.810	73.810	0.000	0.0	0.000	0.000	0.0	0.000	OK
82	FEH 2013: 30 years: +0 %: 15 mins: Summer	75.152	73.500	73.500	0.000	0.0	0.000	0.000	0.0	0.000	OK
83	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.975	73.290	73.290	0.000	0.0	0.000	0.000	0.0	0.000	OK
84	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.723	73.070	73.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
85	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.467	72.815	72.815	0.000	0.0	0.000	0.000	0.0	0.000	OK
86	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.053	72.400	72.400	0.000	0.0	0.000	0.000	0.0	0.000	OK

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87	FEH 2013: 30 years: +0 %: 15 mins: Summer	73.721	72.070	72.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
88	FEH 2013: 30 years: +0 %: 15 mins: Summer	73.680	71.960	71.960	0.000	0.0	0.000	0.000	0.0	0.000	OK
90	FEH 2013: 30 years: +0 %: 15 mins: Summer	73.151	71.500	71.500	0.000	0.0	0.000	0.000	0.0	0.000	OK
89	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.263	72.910	72.910	0.000	0.0	0.000	0.000	0.0	0.000	OK
91	FEH 2013: 30 years: +0 %: 15 mins: Summer	72.895	71.120	71.120	0.000	0.0	0.000	0.000	0.0	0.000	OK
92	FEH 2013: 30 years: +0 %: 15 mins: Winter	72.803	69.635	70.229	0.594	278.3	0.851	0.000	273.5	127.958	Surcharged
94	FEH 2013: 30 years: +0 %: 15 mins: Winter	72.470	69.260	69.921	0.661	357.0	1.681	0.000	331.0	167.274	OK
93	FEH 2013: 30 years: +0 %: 15 mins: Winter	71.379	69.850	70.016	0.166	41.1	0.188	0.000	40.6	18.816	OK
99	FEH 2013: 30 years: +0 %: 15 mins: Winter	73.002	69.210	69.889	0.679	576.0	1.727	0.000	545.9	296.753	OK
95	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.749	73.875	73.998	0.123	30.0	0.140	0.000	27.9	13.722	OK
96	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.014	73.385	73.577	0.192	59.5	0.217	0.000	45.0	28.547	OK
97	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.389	73.135	73.560	0.424	129.8	0.480	0.000	118.6	67.693	Surcharged
98	FEH 2013: 30 years: +0 %: 15 mins: Winter	74.418	72.540	72.803	0.262	253.2	0.375	0.000	248.2	129.987	OK
98 (1)	FEH 2013: 30 years: +0 %: 15 mins: Winter	73.719	71.840	72.005	0.164	248.2	0.235	0.000	245.0	129.657	OK
100	FEH 2013: 30 years: +0 %: 15 mins: Winter	73.097	69.155	69.788	0.633	545.9	1.611	0.000	522.0	296.525	OK
101	FEH 2013: 30 years: +0 %: 15 mins: Winter	72.977	69.115	69.695	0.580	571.9	1.476	0.000	493.8	319.591	OK
102	FEH 2013: 30 years: +0 %: 15 mins: Winter	73.436	68.830	69.254	0.424	493.8	1.079	0.000	478.7	317.267	OK
103	FEH 2013: 30 years: +0 %: 15 mins: Winter	70.136	68.160	68.632	0.472	478.7	1.201	0.000	548.9	321.154	OK
105	FEH 2013: 30 years: +0 %: 15 mins: Winter		67.110	67.782	0.673	2286.2			2341.2	1657.316	OK
106	FEH 2013: 30 years: +0 %: 15 mins: Winter		66.845	67.757	0.912	2341.2			2586.2	1643.395	OK
116	FEH 2013: 30 years: +0 %: 15 mins: Winter		66.640	67.353	0.713	2668.7			2826.2	1732.375	OK
107	FEH 2013: 30 years: +0 %: 15 mins: Summer	72.336	70.986	70.986	0.000	0.0	0.000	0.000	0.0	0.000	OK
108	FEH 2013: 30 years: +0 %: 15 mins: Summer	71.973	70.623	70.623	0.000	0.0	0.000	0.000	0.0	0.000	OK
109	FEH 2013: 30 years: +0 %: 15 mins: Summer	71.769	70.419	70.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
110	FEH 2013: 30 years: +0 %: 15 mins: Summer	71.297	69.947	69.947	0.000	0.0	0.000	0.000	0.0	0.000	OK
115	FEH 2013: 30 years: +0 %: 15 mins: Winter	69.235	67.368	67.642	0.274	292.2	0.392	0.000	290.1	134.542	OK
111	FEH 2013: 30 years: +0 %: 15 mins: Summer	70.550	69.200	69.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
112	FEH 2013: 30 years: +0 %: 15 mins: Summer	70.529	69.134	69.134	0.000	0.0	0.000	0.000	0.0	0.000	OK
114	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.744	68.185	68.185	0.000	0.0	0.000	0.000	0.0	0.000	OK
113	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.769	68.419	68.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
125	FEH 2013: 30 years: +0 %: 15 mins: Winter		66.285	67.068	0.783	2895.2			3038.0	1825.019	OK
117	FEH 2013: 30 years: +0 %: 15 mins: Summer	71.628	70.278	70.278	0.000	0.0	0.000	0.000	0.0	0.000	OK
118	FEH 2013: 30 years: +0 %: 15 mins: Summer	71.199	69.843	69.843	0.000	0.0	0.000	0.000	0.0	0.000	OK
119	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.991	68.641	68.641	0.000	0.0	0.000	0.000	0.0	0.000	OK
120	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.688	68.338	68.338	0.000	0.0	0.000	0.000	0.0	0.000	OK
121	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.467	68.117	68.117	0.000	0.0	0.000	0.000	0.0	0.000	OK
122	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.283	67.933	67.933	0.000	0.0	0.000	0.000	0.0	0.000	OK
123	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.035	67.684	67.684	0.000	0.0	0.000	0.000	0.0	0.000	OK
124	FEH 2013: 30 years: +0 %: 15 mins: Winter	68.589	67.013	67.296	0.283	245.4	0.405	0.000	240.5	112.867	OK
126	FEH 2013: 30 years: +0 %: 15 mins: Winter		65.687	66.583	0.896	3038.0			3040.8	1809.052	OK
127	FEH 2013: 30 years: +0 %: 15 mins: Winter	65.541	63.710	64.658	0.948	3040.8	2.414	0.000	2993.9	1805.994	Surcharged
128	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.363	68.013	68.013	0.000	0.0	0.000	0.000	0.0	0.000	OK
129	FEH 2013: 30 years: +0 %: 15 mins: Summer	68.559	67.208	67.208	0.000	0.0	0.000	0.000	0.0	0.000	OK
130	FEH 2013: 30 years: +0 %: 15 mins: Summer	67.923	66.572	66.572	0.000	0.0	0.000	0.000	0.0	0.000	OK
131	FEH 2013: 30 years: +0 %: 15 mins: Summer	67.296	65.945	65.945	0.000	0.0	0.000	0.000	0.0	0.000	OK
132	FEH 2013: 30 years: +0 %: 15 mins: Winter	66.232	64.724	64.881	0.157	121.3	0.177	0.000	121.4	55.603	OK

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133	FEH 2013: 30 years: +0 %: 240 mins: Winter	65.321	62.560	63.563	1.003	24.2	1.135	0.000	23.1	136.167	Surcharged
134	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.790	74.365	74.452	0.087	33.7	0.099	0.000	33.1	15.612	OK
135	FEH 2013: 30 years: +0 %: 15 mins: Winter	74.491	72.872	72.969	0.097	33.1	0.110	0.000	32.0	15.604	OK
138	FEH 2013: 30 years: +0 %: 15 mins: Winter	73.766	72.199	72.284	0.085	32.0	0.096	0.000	31.1	15.600	OK
136	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.599	73.249	73.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
137	FEH 2013: 30 years: +0 %: 15 mins: Summer	74.262	72.912	72.912	0.000	0.0	0.000	0.000	0.0	0.000	OK
139	FEH 2013: 30 years: +0 %: 15 mins: Winter	72.723	71.156	71.238	0.082	31.1	0.093	0.000	30.2	15.594	OK
140	FEH 2013: 30 years: +0 %: 15 mins: Winter	71.220	69.653	69.737	0.084	30.2	0.095	0.000	29.3	15.581	OK
143	FEH 2013: 30 years: +0 %: 15 mins: Winter	70.496	68.928	69.016	0.088	29.3	0.099	0.000	28.0	15.576	OK
141	FEH 2013: 30 years: +0 %: 15 mins: Summer	71.000	69.650	69.650	0.000	0.0	0.000	0.000	0.0	0.000	OK
142	FEH 2013: 30 years: +0 %: 15 mins: Summer	70.677	69.325	69.325	0.000	0.0	0.000	0.000	0.0	0.000	OK
148	FEH 2013: 30 years: +0 %: 15 mins: Winter	68.914	67.346	67.428	0.082	28.0	0.093	0.000	27.2	15.560	OK
144	FEH 2013: 30 years: +0 %: 15 mins: Summer	72.961	71.611	71.611	0.000	0.0	0.000	0.000	0.0	0.000	OK
145	FEH 2013: 30 years: +0 %: 15 mins: Summer	71.342	69.992	69.992	0.000	0.0	0.000	0.000	0.0	0.000	OK
146	FEH 2013: 30 years: +0 %: 15 mins: Summer	70.546	69.196	69.196	0.000	0.0	0.000	0.000	0.0	0.000	OK
147	FEH 2013: 30 years: +0 %: 15 mins: Summer	69.926	68.576	68.576	0.000	0.0	0.000	0.000	0.0	0.000	OK
149	FEH 2013: 30 years: +0 %: 15 mins: Winter	68.086	66.061	66.460	0.399	606.5	0.705	0.000	596.1	283.685	OK
159	FEH 2013: 30 years: +0 %: 15 mins: Winter	67.513	65.413	65.692	0.279	603.1	0.492	0.000	589.8	320.514	OK
HD-01	FEH 2013: 30 years: +0 %: 15 mins: Winter	82.545	81.195	81.252	0.057	10.3	0.065	0.000	9.7	4.744	OK
HD-02	FEH 2013: 30 years: +0 %: 15 mins: Winter		79.541	79.576	0.035	9.7			8.6	4.706	OK
HD-04	FEH 2013: 30 years: +0 %: 15 mins: Winter		78.658	78.706	0.048	19.7			17.0	9.955	OK
HD-03	FEH 2013: 30 years: +0 %: 15 mins: Winter	80.650	79.300	79.377	0.077	11.5	0.087	0.000	11.1	5.338	OK
HD-06	FEH 2013: 30 years: +0 %: 15 mins: Winter		76.740	76.797	0.057	28.4			28.2	15.361	OK
HD-05	FEH 2013: 30 years: +0 %: 15 mins: Winter	78.926	77.776	77.835	0.059	11.7	0.067	0.000	11.4	5.409	OK
HD-07	FEH 2013: 30 years: +0 %: 15 mins: Winter		76.489	76.610	0.121	28.2			27.4	15.246	OK
HD-08	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.529	75.604	75.684	0.080	34.3	0.091	0.000	33.2	18.410	OK
HD-12	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.087	74.797	74.904	0.107	49.6	0.121	0.000	48.7	26.222	OK
HD-09	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.266	75.491	75.530	0.039	5.9	0.044	0.000	5.8	2.738	OK
HD-10	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.946	76.171	76.205	0.034	3.5	0.039	0.000	3.4	1.602	OK
HD-11	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.438	75.663	75.716	0.053	10.9	0.060	0.000	10.6	5.095	OK
HD-14	FEH 2013: 30 years: +0 %: 15 mins: Winter	76.334	74.409	74.646	0.237	64.0	0.268	0.000	61.5	33.349	OK
HD-13	FEH 2013: 30 years: +0 %: 15 mins: Winter	77.175	75.400	75.449	0.049	9.3	0.055	0.000	9.2	4.314	OK
HD-15	FEH 2013: 30 years: +0 %: 15 mins: Winter		74.181	74.283	0.102	61.5			58.5	33.442	OK
HD-17	FEH 2013: 30 years: +0 %: 15 mins: Winter		73.646	73.961	0.315	64.9			59.8	33.950	OK
HD-16	FEH 2013: 30 years: +0 %: 15 mins: Winter	75.800	74.450	74.506	0.056	6.7	0.064	0.000	6.5	3.118	OK
HD-18	FEH 2013: 30 years: +0 %: 30 mins: Winter		73.573	73.671	0.098	51.6			51.5	45.103	OK
HD-20	FEH 2013: 30 years: +0 %: 30 mins: Winter		72.716	72.805	0.089	56.9			56.8	50.219	OK
HD-19	FEH 2013: 30 years: +0 %: 15 mins: Winter	74.600	73.250	73.320	0.070	8.3	0.079	0.000	8.0	3.855	OK
HD-21	FEH 2013: 30 years: +0 %: 15 mins: Winter		71.550	71.796	0.246	53.5			57.4	34.703	OK
HD-23	FEH 2013: 30 years: +0 %: 15 mins: Winter		71.368	71.464	0.096	61.1			68.3	39.786	OK
HD-22	FEH 2013: 30 years: +0 %: 15 mins: Winter	73.046	71.896	71.983	0.087	11.6	0.098	0.000	11.1	5.356	OK
HD-24	FEH 2013: 30 years: +0 %: 15 mins: Winter		68.487	68.602	0.115	68.3			69.6	39.722	OK
157	FEH 2013: 30 years: +0 %: 15 mins: Winter	69.750	67.725	67.833	0.108	69.6	0.190	0.000	71.4	39.584	OK
158	FEH 2013: 30 years: +0 %: 15 mins: Winter	69.305	67.280	67.377	0.097	71.4	0.172	0.000	71.9	39.854	OK
160	FEH 2013: 30 years: +0 %: 240 mins: Winter	65.183	62.560	63.563	1.003	142.1	1.773	0.000	136.0	803.817	Surcharged
162	FEH 2013: 30 years: +0 %: 120 mins: Summer	64.650	62.236	62.475	0.239	171.4	1.083	0.000	171.4	1834.184	OK

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163	FEH 2013: 30 years: +0 %: 120 mins: Summer	64.080	62.021	62.437	0.416	171.4	0.735	0.000	171.4	1830.756	Surcharged
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FEH 2013: 100 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
1	FEH 2013: 100 years: +0 %: 15 mins: Summer	79.689	77.863	77.863	0.000	0.0	0.000	0.000	0.0	0.000	OK
2	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.424	76.866	76.866	0.000	0.0	0.000	0.000	0.0	0.000	OK
3	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.479	75.579	75.922	0.343	462.5	0.606	0.000	456.7	213.980	OK
5	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.337	75.167	75.549	0.382	456.7	0.674	0.000	442.1	213.935	OK
4	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.440	77.090	77.090	0.000	0.0	0.000	0.000	0.0	0.000	OK
6	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.046	74.817	75.210	0.393	442.1	0.695	0.000	424.4	213.812	OK
9	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.766	74.532	74.970	0.438	681.6	0.774	0.000	652.7	332.303	OK
7	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.917	76.567	76.567	0.000	0.0	0.000	0.000	0.0	0.000	OK
8	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.027	75.676	75.676	0.000	0.0	0.000	0.000	0.0	0.000	OK
22	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.164	73.485	74.312	0.827	1049.1	2.104	0.000	976.9	516.375	OK
10	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.678	77.175	77.175	0.000	0.0	0.000	0.000	0.0	0.000	OK
11	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.490	76.980	76.980	0.000	0.0	0.000	0.000	0.0	0.000	OK
12	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.054	76.495	76.495	0.000	0.0	0.000	0.000	0.0	0.000	OK
14	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.450	75.785	75.785	0.000	0.0	0.000	0.000	0.0	0.000	OK
13	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.228	76.025	76.025	0.000	0.0	0.000	0.000	0.0	0.000	OK
15	FEH 2013: 100 years: +0 %: 15 mins: Summer	76.989	75.520	75.520	0.000	0.0	0.000	0.000	0.0	0.000	OK
16	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.207	75.315	75.315	0.000	0.0	0.000	0.000	0.0	0.000	OK
17	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.119	75.240	75.240	0.000	0.0	0.000	0.000	0.0	0.000	OK
18	FEH 2013: 100 years: +0 %: 15 mins: Summer	76.972	75.055	75.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
19	FEH 2013: 100 years: +0 %: 15 mins: Summer	76.864	74.940	74.940	0.000	0.0	0.000	0.000	0.0	0.000	OK
20	FEH 2013: 100 years: +0 %: 15 mins: Summer	76.591	74.660	74.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
21	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.440	74.515	74.522	0.007	0.0	0.008	0.000	0.1	0.061	OK
28	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.047	73.460	74.207	0.747	976.9	1.902	0.000	929.5	516.116	OK
23	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.043	76.693	76.693	0.000	0.0	0.000	0.000	0.0	0.000	OK
25	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.632	76.249	76.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
24	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.010	76.660	76.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
27	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.033	75.618	75.618	0.000	0.0	0.000	0.000	0.0	0.000	OK
26	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.405	76.055	76.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
29	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.813	73.410	74.081	0.671	929.5	1.707	0.000	854.8	516.078	OK
30	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.514	73.105	74.053	0.948	1287.2	2.412	0.000	1266.1	715.976	Surcharged
31	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.276	72.875	73.868	0.993	1266.1	2.528	0.000	1243.2	715.467	Surcharged
34	FEH 2013: 100 years: +0 %: 15 mins: Winter	74.888	72.410	73.683	1.273	2201.6	3.515	0.000	2173.1	1337.194	Surcharged
40	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.783	74.980	75.742	0.762	104.8	0.862	0.000	88.3	48.131	Surcharged
41	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.354	74.470	75.411	0.941	152.1	1.346	0.000	124.7	77.243	Surcharged
42	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.170	74.220	75.213	0.993	148.4	1.421	0.000	132.9	88.793	Surcharged
43	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.422	74.025	75.118	1.093	257.1	1.932	0.000	243.3	146.278	Surcharged
44	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.697	73.935	75.023	1.088	278.3	1.922	0.000	265.8	162.398	Surcharged
61	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.907	73.650	74.931	1.281	885.9	3.260	0.000	858.9	466.077	Surcharged
45	FEH 2013: 100 years: +0 %: 15 mins: Summer	81.794	80.400	80.400	0.000	0.0	0.000	0.000	0.0	0.000	OK
46	FEH 2013: 100 years: +0 %: 15 mins: Summer	80.472	78.369	78.369	0.000	0.0	0.000	0.000	0.0	0.000	OK

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47	FEH 2013: 100 years: +0 %: 15 mins: Summer	80.158	77.876	77.876	0.000	0.0	0.000	0.000	0.0	0.000	OK
48	FEH 2013: 100 years: +0 %: 15 mins: Summer	79.941	77.588	77.588	0.000	0.0	0.000	0.000	0.0	0.000	OK
49	FEH 2013: 100 years: +0 %: 15 mins: Summer	79.769	77.488	77.488	0.000	0.0	0.000	0.000	0.0	0.000	OK
50	FEH 2013: 100 years: +0 %: 15 mins: Summer	79.545	77.378	77.378	0.000	0.0	0.000	0.000	0.0	0.000	OK
51	FEH 2013: 100 years: +0 %: 15 mins: Winter	78.457	76.523	76.982	0.459	314.9	0.657	0.000	299.2	145.637	Surcharged
54	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.955	76.267	76.693	0.426	299.2	0.610	0.000	289.5	145.616	OK
52	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.832	77.431	77.431	0.000	0.0	0.000	0.000	0.0	0.000	OK
53	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.488	77.096	77.096	0.000	0.0	0.000	0.000	0.0	0.000	OK
59	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.884	76.155	76.537	0.382	289.5	0.546	0.000	283.1	145.583	OK
55	FEH 2013: 100 years: +0 %: 15 mins: Summer	79.071	77.721	77.721	0.000	0.0	0.000	0.000	0.0	0.000	OK
56	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.364	77.008	77.008	0.000	0.0	0.000	0.000	0.0	0.000	OK
57	FEH 2013: 100 years: +0 %: 15 mins: Summer	78.259	76.895	76.895	0.000	0.0	0.000	0.000	0.0	0.000	OK
58	FEH 2013: 100 years: +0 %: 15 mins: Summer	77.973	76.568	76.568	0.000	0.0	0.000	0.000	0.0	0.000	OK
60	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.669	75.921	76.208	0.287	571.7	0.508	0.000	567.9	278.135	OK
63	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.234	73.555	74.606	1.051	915.8	2.675	0.000	866.5	492.017	Surcharged
32	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.821	73.485	74.325	0.841	961.6	2.139	0.000	896.1	535.422	Surcharged
33	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.753	73.385	73.896	0.511	979.1	1.301	0.000	854.7	574.774	OK
38	FEH 2013: 100 years: +0 %: 15 mins: Winter	74.764	72.290	73.102	0.813	2235.7	2.427	0.000	2219.5	1369.070	OK
35	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.385	73.700	73.843	0.143	35.9	0.162	0.000	35.1	16.597	OK
36	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.176	73.490	73.622	0.132	35.1	0.149	0.000	34.1	16.577	OK
37	FEH 2013: 100 years: +0 %: 15 mins: Winter	74.934	73.245	73.479	0.234	48.4	0.264	0.000	43.4	23.204	Surcharged
39	FEH 2013: 100 years: +0 %: 15 mins: Winter	74.367	71.955	72.685	0.730	2219.5	2.181	0.000	2208.6	1368.542	OK
68	FEH 2013: 100 years: +0 %: 15 mins: Winter	73.309	71.360	71.987	0.627	2485.3	1.872	0.000	2389.3	1503.337	OK
64	FEH 2013: 100 years: +0 %: 15 mins: Summer	75.829	74.200	74.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
65	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.921	73.320	73.320	0.000	0.0	0.000	0.000	0.0	0.000	OK
66	FEH 2013: 100 years: +0 %: 15 mins: Winter	74.021	72.550	73.076	0.526	8.1	0.595	0.000	1.9	1.957	Surcharged
67	FEH 2013: 100 years: +0 %: 15 mins: Winter	73.825	72.150	73.095	0.945	293.0	1.352	0.000	276.6	137.382	Surcharged
74	FEH 2013: 100 years: +0 %: 15 mins: Winter	71.732	69.780	70.584	0.805	2715.3	2.403	0.000	2601.3	1659.150	OK
69	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.413	72.130	72.130	0.000	0.0	0.000	0.000	0.0	0.000	OK
70	FEH 2013: 100 years: +0 %: 15 mins: Summer	72.878	71.670	71.670	0.000	0.0	0.000	0.000	0.0	0.000	OK
71	FEH 2013: 100 years: +0 %: 15 mins: Winter	72.301	71.090	71.095	0.005	0.7	0.006	0.000	0.0	0.043	OK
72	FEH 2013: 100 years: +0 %: 15 mins: Winter	71.987	70.560	71.117	0.557	185.7	0.796	0.000	181.3	85.912	Surcharged
73	FEH 2013: 100 years: +0 %: 15 mins: Winter	71.742	70.295	70.608	0.313	152.4	0.552	0.000	144.7	69.965	OK
77	FEH 2013: 100 years: +0 %: 15 mins: Winter	71.251	69.300	69.999	0.699	2664.9	2.088	0.000	2609.2	1692.395	OK
75	FEH 2013: 100 years: +0 %: 15 mins: Summer	72.087	70.845	70.845	0.000	0.0	0.000	0.000	0.0	0.000	OK
76	FEH 2013: 100 years: +0 %: 15 mins: Winter	71.689	70.260	70.499	0.239	72.8	0.270	0.000	63.6	33.659	OK
78	FEH 2013: 100 years: +0 %: 15 mins: Winter	70.276	68.325	69.063	0.739	2609.2	2.205	0.000	2551.1	1691.881	OK
104	FEH 2013: 100 years: +0 %: 15 mins: Winter	69.511	67.560	68.404	0.845	2903.8	2.522	0.000	2969.7	2087.365	OK
79	FEH 2013: 100 years: +0 %: 15 mins: Summer	76.040	74.375	74.375	0.000	0.0	0.000	0.000	0.0	0.000	OK
80	FEH 2013: 100 years: +0 %: 15 mins: Summer	75.754	74.100	74.100	0.000	0.0	0.000	0.000	0.0	0.000	OK
81	FEH 2013: 100 years: +0 %: 15 mins: Summer	75.460	73.810	73.810	0.000	0.0	0.000	0.000	0.0	0.000	OK
82	FEH 2013: 100 years: +0 %: 15 mins: Summer	75.152	73.500	73.500	0.000	0.0	0.000	0.000	0.0	0.000	OK
83	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.975	73.290	73.290	0.000	0.0	0.000	0.000	0.0	0.000	OK
84	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.723	73.070	73.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
85	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.467	72.815	72.815	0.000	0.0	0.000	0.000	0.0	0.000	OK
86	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.053	72.400	72.400	0.000	0.0	0.000	0.000	0.0	0.000	OK

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87	FEH 2013: 100 years: +0 %: 15 mins: Summer	73.721	72.070	72.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
88	FEH 2013: 100 years: +0 %: 15 mins: Summer	73.680	71.960	71.960	0.000	0.0	0.000	0.000	0.0	0.000	OK
90	FEH 2013: 100 years: +0 %: 15 mins: Summer	73.151	71.500	71.500	0.000	0.0	0.000	0.000	0.0	0.000	OK
89	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.263	72.910	72.910	0.000	0.0	0.000	0.000	0.0	0.000	OK
91	FEH 2013: 100 years: +0 %: 15 mins: Summer	72.895	71.120	71.120	0.000	0.0	0.000	0.000	0.0	0.000	OK
92	FEH 2013: 100 years: +0 %: 15 mins: Winter	72.803	69.635	70.538	0.903	350.1	1.292	0.000	339.3	160.664	Surcharged
94	FEH 2013: 100 years: +0 %: 15 mins: Winter	72.470	69.260	70.149	0.889	433.1	2.262	0.000	410.7	210.194	Surcharged
93	FEH 2013: 100 years: +0 %: 15 mins: Winter	71.379	69.850	70.250	0.400	51.7	0.452	0.000	39.8	23.666	Surcharged
99	FEH 2013: 100 years: +0 %: 15 mins: Winter	73.002	69.210	70.094	0.884	721.4	2.250	0.000	681.5	373.284	Surcharged
95	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.749	73.875	74.137	0.262	37.8	0.297	0.000	19.0	17.251	Surcharged
96	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.014	73.385	74.085	0.700	58.8	0.791	0.000	50.9	35.940	Surcharged
97	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.389	73.135	73.989	0.853	157.5	0.965	0.000	154.2	85.147	Surcharged
98	FEH 2013: 100 years: +0 %: 15 mins: Winter	74.418	72.540	72.852	0.312	323.5	0.446	0.000	317.5	163.459	OK
98 (1)	FEH 2013: 100 years: +0 %: 15 mins: Winter	73.719	71.840	72.028	0.188	317.5	0.268	0.000	310.7	163.073	OK
100	FEH 2013: 100 years: +0 %: 15 mins: Winter	73.097	69.155	69.947	0.792	681.5	2.015	0.000	659.8	373.064	Surcharged
101	FEH 2013: 100 years: +0 %: 15 mins: Winter	72.977	69.115	69.827	0.712	722.7	1.813	0.000	630.9	401.400	OK
102	FEH 2013: 100 years: +0 %: 30 mins: Winter	73.436	68.830	69.315	0.485	563.2	1.235	0.000	555.2	528.145	OK
103	FEH 2013: 100 years: +0 %: 15 mins: Winter	70.136	68.160	68.732	0.572	574.1	1.455	0.000	666.5	405.178	OK
105	FEH 2013: 100 years: +0 %: 15 mins: Winter		67.110	67.866	0.756	2969.7			3023.6	2087.156	OK
106	FEH 2013: 100 years: +0 %: 15 mins: Winter		66.845	67.840	0.995	3023.6			3254.8	2072.969	OK
116	FEH 2013: 100 years: +0 %: 15 mins: Winter		66.640	67.431	0.791	3357.9			3515.7	2192.335	OK
107	FEH 2013: 100 years: +0 %: 15 mins: Summer	72.336	70.986	70.986	0.000	0.0	0.000	0.000	0.0	0.000	OK
108	FEH 2013: 100 years: +0 %: 15 mins: Summer	71.973	70.623	70.623	0.000	0.0	0.000	0.000	0.0	0.000	OK
109	FEH 2013: 100 years: +0 %: 15 mins: Summer	71.769	70.419	70.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
110	FEH 2013: 100 years: +0 %: 15 mins: Summer	71.297	69.947	69.947	0.000	0.0	0.000	0.000	0.0	0.000	OK
115	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.235	67.368	67.677	0.309	349.5	0.443	0.000	349.7	150.857	OK
111	FEH 2013: 100 years: +0 %: 15 mins: Summer	70.550	69.200	69.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
112	FEH 2013: 100 years: +0 %: 15 mins: Summer	70.529	69.134	69.134	0.000	0.0	0.000	0.000	0.0	0.000	OK
114	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.744	68.185	68.185	0.000	0.0	0.000	0.000	0.0	0.000	OK
113	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.769	68.419	68.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
125	FEH 2013: 100 years: +0 %: 15 mins: Winter		66.285	67.170	0.885	3594.6			3186.7	2317.063	OK
117	FEH 2013: 100 years: +0 %: 15 mins: Summer	71.628	70.278	70.278	0.000	0.0	0.000	0.000	0.0	0.000	OK
118	FEH 2013: 100 years: +0 %: 15 mins: Summer	71.199	69.843	69.843	0.000	0.0	0.000	0.000	0.0	0.000	OK
119	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.991	68.641	68.641	0.000	0.0	0.000	0.000	0.0	0.000	OK
120	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.688	68.338	68.338	0.000	0.0	0.000	0.000	0.0	0.000	OK
121	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.467	68.117	68.117	0.000	0.0	0.000	0.000	0.0	0.000	OK
122	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.283	67.933	67.933	0.000	0.0	0.000	0.000	0.0	0.000	OK
123	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.035	67.684	67.684	0.000	0.0	0.000	0.000	0.0	0.000	OK
124	FEH 2013: 100 years: +0 %: 15 mins: Winter	68.589	67.013	67.457	0.444	308.7	0.635	0.000	290.1	141.903	Surcharged
126	FEH 2013: 100 years: +0 %: 15 mins: Winter		65.687	67.102	1.415	3186.7			3192.3	2294.230	Surcharged
127	FEH 2013: 100 years: +0 %: 15 mins: Winter	65.541	63.710	64.754	1.044	3192.3	2.658	0.000	3189.8	2290.495	Surcharged
128	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.363	68.013	68.013	0.000	0.0	0.000	0.000	0.0	0.000	OK
129	FEH 2013: 100 years: +0 %: 15 mins: Summer	68.559	67.208	67.208	0.000	0.0	0.000	0.000	0.0	0.000	OK
130	FEH 2013: 100 years: +0 %: 15 mins: Summer	67.923	66.572	66.572	0.000	0.0	0.000	0.000	0.0	0.000	OK
131	FEH 2013: 100 years: +0 %: 15 mins: Summer	67.296	65.945	65.945	0.000	0.0	0.000	0.000	0.0	0.000	OK
132	FEH 2013: 100 years: +0 %: 15 mins: Winter	66.232	64.724	64.905	0.181	152.6	0.204	0.000	150.6	69.705	OK

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133	FEH 2013: 100 years: +0 %: 240 mins: Winter	65.321	62.560	63.853	1.293	29.9	1.462	0.000	29.4	167.269	Surcharged
134	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.790	74.365	74.465	0.100	42.4	0.113	0.000	41.7	19.629	OK
135	FEH 2013: 100 years: +0 %: 15 mins: Winter	74.491	72.872	72.984	0.112	41.7	0.127	0.000	40.3	19.621	OK
138	FEH 2013: 100 years: +0 %: 15 mins: Winter	73.766	72.199	72.296	0.097	40.3	0.110	0.000	39.2	19.616	OK
136	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.599	73.249	73.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
137	FEH 2013: 100 years: +0 %: 15 mins: Summer	74.262	72.912	72.912	0.000	0.0	0.000	0.000	0.0	0.000	OK
139	FEH 2013: 100 years: +0 %: 15 mins: Winter	72.723	71.156	71.249	0.093	39.2	0.106	0.000	38.1	19.609	OK
140	FEH 2013: 100 years: +0 %: 15 mins: Winter	71.220	69.653	69.749	0.096	38.1	0.108	0.000	37.0	19.595	OK
143	FEH 2013: 100 years: +0 %: 15 mins: Winter	70.496	68.928	69.029	0.101	37.0	0.114	0.000	35.4	19.591	OK
141	FEH 2013: 100 years: +0 %: 15 mins: Summer	71.000	69.650	69.650	0.000	0.0	0.000	0.000	0.0	0.000	OK
142	FEH 2013: 100 years: +0 %: 15 mins: Summer	70.677	69.325	69.325	0.000	0.0	0.000	0.000	0.0	0.000	OK
148	FEH 2013: 100 years: +0 %: 15 mins: Winter	68.914	67.346	67.438	0.092	35.4	0.104	0.000	33.6	19.645	OK
144	FEH 2013: 100 years: +0 %: 15 mins: Summer	72.961	71.611	71.611	0.000	0.0	0.000	0.000	0.0	0.000	OK
145	FEH 2013: 100 years: +0 %: 15 mins: Summer	71.342	69.992	69.992	0.000	0.0	0.000	0.000	0.0	0.000	OK
146	FEH 2013: 100 years: +0 %: 15 mins: Summer	70.546	69.196	69.196	0.000	0.0	0.000	0.000	0.0	0.000	OK
147	FEH 2013: 100 years: +0 %: 15 mins: Summer	69.926	68.576	68.576	0.000	0.0	0.000	0.000	0.0	0.000	OK
149	FEH 2013: 100 years: +0 %: 15 mins: Winter	68.086	66.061	66.569	0.508	762.4	0.898	0.000	740.5	356.655	OK
159	FEH 2013: 100 years: +0 %: 15 mins: Winter	67.513	65.413	65.726	0.313	756.5	0.553	0.000	740.0	404.785	OK
HD-01	FEH 2013: 100 years: +0 %: 15 mins: Winter	82.545	81.195	81.260	0.065	12.9	0.074	0.000	12.2	5.961	OK
HD-02	FEH 2013: 100 years: +0 %: 15 mins: Winter		79.541	79.581	0.040	12.2			10.9	5.921	OK
HD-04	FEH 2013: 100 years: +0 %: 15 mins: Winter		78.658	78.713	0.055	24.9			21.9	12.540	OK
HD-03	FEH 2013: 100 years: +0 %: 15 mins: Winter	80.650	79.300	79.389	0.089	14.5	0.100	0.000	14.0	6.711	OK
HD-06	FEH 2013: 100 years: +0 %: 15 mins: Winter		76.740	76.806	0.066	36.3			36.0	19.336	OK
HD-05	FEH 2013: 100 years: +0 %: 15 mins: Winter	78.926	77.776	77.843	0.067	14.7	0.076	0.000	14.4	6.800	OK
HD-07	FEH 2013: 100 years: +0 %: 15 mins: Winter		76.489	76.620	0.130	36.0			35.1	19.219	OK
HD-08	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.529	75.604	75.696	0.092	43.7	0.104	0.000	42.4	23.204	OK
HD-12	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.087	74.797	74.918	0.121	63.0	0.137	0.000	62.2	33.029	OK
HD-09	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.266	75.491	75.535	0.044	7.4	0.050	0.000	7.3	3.443	OK
HD-10	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.946	76.171	76.210	0.039	4.4	0.044	0.000	4.2	2.016	OK
HD-11	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.438	75.663	75.724	0.061	13.7	0.069	0.000	13.3	6.405	OK
HD-14	FEH 2013: 100 years: +0 %: 15 mins: Winter	76.334	74.409	74.691	0.282	81.5	0.319	0.000	77.9	41.997	OK
HD-13	FEH 2013: 100 years: +0 %: 15 mins: Winter	77.175	75.400	75.455	0.055	11.8	0.063	0.000	11.6	5.427	OK
HD-15	FEH 2013: 100 years: +0 %: 15 mins: Winter		74.181	74.297	0.116	77.9			74.6	42.097	OK
HD-17	FEH 2013: 100 years: +0 %: 15 mins: Winter		73.646	73.975	0.329	82.8			76.8	43.398	OK
HD-16	FEH 2013: 100 years: +0 %: 15 mins: Winter	75.800	74.450	74.514	0.064	8.5	0.073	0.000	8.2	3.921	OK
HD-18	FEH 2013: 100 years: +0 %: 15 mins: Winter		73.573	73.686	0.113	76.8			67.7	43.098	OK
HD-20	FEH 2013: 100 years: +0 %: 15 mins: Winter		72.716	72.817	0.101	77.8			72.7	48.023	OK
HD-19	FEH 2013: 100 years: +0 %: 15 mins: Winter	74.600	73.250	73.330	0.080	10.5	0.091	0.000	10.1	4.850	OK
HD-21	FEH 2013: 100 years: +0 %: 30 mins: Winter		71.550	71.807	0.258	72.3			72.1	61.895	OK
HD-23	FEH 2013: 100 years: +0 %: 15 mins: Winter		71.368	71.475	0.107	74.8			84.0	51.558	OK
HD-22	FEH 2013: 100 years: +0 %: 15 mins: Winter	73.046	71.896	71.998	0.102	14.6	0.115	0.000	13.9	6.729	OK
HD-24	FEH 2013: 100 years: +0 %: 15 mins: Winter		68.487	68.615	0.128	84.0			85.6	51.492	OK
157	FEH 2013: 100 years: +0 %: 15 mins: Winter	69.750	67.725	67.846	0.121	85.6	0.213	0.000	88.0	51.347	OK
158	FEH 2013: 100 years: +0 %: 15 mins: Winter	69.305	67.280	67.387	0.107	88.0	0.190	0.000	89.7	51.615	OK
160	FEH 2013: 100 years: +0 %: 240 mins: Winter	65.183	62.560	63.853	1.293	175.8	2.285	0.000	170.6	988.197	Surcharged
162	FEH 2013: 100 years: +0 %: 960 mins: Winter	64.650	62.236	62.475	0.239	171.4	1.083	0.000	171.4	8571.684	OK

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163	FEH 2013: 100 years: +0 %: 30 mins: Winter	64.080	62.021	62.437	0.416	171.4	0.735	0.000	171.4	398.031	Surcharged
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FEH 2013: 100 years: Increase Rainfall (%): +40: 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
1	FEH 2013: 100 years: +40 %: 15 mins: Summer	79.689	77.863	77.863	0.000	0.0	0.000	0.000	0.0	0.000	OK
2	FEH 2013: 100 years: +40 %: 15 mins: Winter	78.424	76.866	76.874	0.008	0.0	0.010	0.000	0.1	0.080	OK
3	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.479	75.579	76.031	0.452	647.5	0.798	0.000	654.0	299.739	OK
5	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.337	75.167	75.903	0.736	654.0	1.301	0.000	298.3	300.287	Surcharged
4	FEH 2013: 100 years: +40 %: 15 mins: Summer	78.440	77.090	77.090	0.000	0.0	0.000	0.000	0.0	0.000	OK
6	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.046	74.817	75.834	1.017	298.3	1.796	0.000	290.6	300.685	Surcharged
9	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.766	74.532	75.689	1.157	650.7	2.045	0.000	711.5	468.559	Surcharged
7	FEH 2013: 100 years: +40 %: 15 mins: Summer	77.917	76.567	76.567	0.000	0.0	0.000	0.000	0.0	0.000	OK
8	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.027	75.676	75.696	0.020	6.1	0.023	0.000	0.9	1.968	OK
22	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.164	73.485	75.459	1.974	1266.4	5.025	0.000	1223.2	729.394	Surcharged
10	FEH 2013: 100 years: +40 %: 15 mins: Summer	78.678	77.175	77.175	0.000	0.0	0.000	0.000	0.0	0.000	OK
11	FEH 2013: 100 years: +40 %: 15 mins: Summer	78.490	76.980	76.980	0.000	0.0	0.000	0.000	0.0	0.000	OK
12	FEH 2013: 100 years: +40 %: 15 mins: Summer	78.054	76.495	76.495	0.000	0.0	0.000	0.000	0.0	0.000	OK
14	FEH 2013: 100 years: +40 %: 15 mins: Summer	77.450	75.785	75.785	0.000	0.0	0.000	0.000	0.0	0.000	OK
13	FEH 2013: 100 years: +40 %: 15 mins: Summer	77.228	76.025	76.025	0.000	0.0	0.000	0.000	0.0	0.000	OK
15	FEH 2013: 100 years: +40 %: 15 mins: Summer	76.989	75.520	75.520	0.000	0.0	0.000	0.000	0.0	0.000	OK
16	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.207	75.315	75.327	0.013	0.0	0.014	0.000	0.3	0.064	OK
17	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.119	75.240	75.262	0.022	0.3	0.025	0.000	0.9	0.411	OK
18	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.972	75.055	75.132	0.077	0.9	0.087	0.000	8.1	1.291	OK
19	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.864	74.940	75.098	0.158	8.1	0.179	0.000	12.7	2.696	Surcharged
20	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.591	74.660	74.936	0.276	15.2	0.312	0.000	16.9	4.623	Surcharged
21	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.440	74.515	74.954	0.439	23.4	0.497	0.000	21.7	7.533	Surcharged
28	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.047	73.460	75.330	1.870	1223.2	4.760	0.000	1188.9	725.298	Surcharged
23	FEH 2013: 100 years: +40 %: 15 mins: Summer	78.043	76.693	76.693	0.000	0.0	0.000	0.000	0.0	0.000	OK
25	FEH 2013: 100 years: +40 %: 15 mins: Summer	77.632	76.249	76.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
24	FEH 2013: 100 years: +40 %: 15 mins: Summer	78.010	76.660	76.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
27	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.033	75.618	75.628	0.010	0.0	0.011	0.000	0.2	0.191	OK
26	FEH 2013: 100 years: +40 %: 15 mins: Summer	77.405	76.055	76.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
29	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.813	73.410	75.161	1.751	1188.9	4.457	0.000	1135.4	725.156	Surcharged
30	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.514	73.105	74.971	1.866	1740.7	4.749	0.000	1687.5	1005.220	Surcharged
31	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.276	72.875	74.637	1.762	1687.5	4.484	0.000	1652.2	1004.809	Surcharged
34	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.888	72.410	74.312	1.902	3022.2	5.252	0.000	3001.2	1875.817	Surcharged
40	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.783	74.980	76.784	1.804	146.8	3.143	1.104	113.3	67.563	Flood
41	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.354	74.470	76.363	1.893	202.7	11.587	8.891	141.8	108.255	Flood
42	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.170	74.220	76.197	1.977	175.0	30.057	27.267	384.3	132.626	Flood
43	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.422	74.025	76.251	2.226	432.1	3.933	0.000	442.6	213.310	Flood Risk
44	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.697	73.935	76.242	2.307	456.0	4.076	0.000	470.3	227.357	Surcharged
61	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.907	73.650	76.209	2.559	975.6	6.513	0.000	953.2	652.590	Surcharged
45	FEH 2013: 100 years: +40 %: 15 mins: Summer	81.794	80.400	80.400	0.000	0.0	0.000	0.000	0.0	0.000	OK
46	FEH 2013: 100 years: +40 %: 15 mins: Summer	80.472	78.369	78.369	0.000	0.0	0.000	0.000	0.0	0.000	OK

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47	FEH 2013: 100 years: +40 %: 15 mins: Winter	80.158	77.876	77.881	0.005	0.0	0.005	0.000	0.1	0.195	OK
48	FEH 2013: 100 years: +40 %: 15 mins: Winter	79.941	77.588	77.605	0.017	0.1	0.020	0.000	0.5	1.008	OK
49	FEH 2013: 100 years: +40 %: 15 mins: Winter	79.769	77.488	77.517	0.029	0.5	0.033	0.000	1.6	2.297	OK
50	FEH 2013: 100 years: +40 %: 15 mins: Winter	79.545	77.378	77.509	0.131	20.6	0.148	0.000	12.7	4.785	OK
51	FEH 2013: 100 years: +40 %: 15 mins: Winter	78.457	76.523	78.303	1.780	440.8	2.547	0.000	392.3	206.487	Flood Risk
54	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.955	76.267	77.808	1.541	392.3	2.205	0.000	351.3	205.992	Flood Risk
52	FEH 2013: 100 years: +40 %: 15 mins: Winter	78.832	77.431	77.444	0.013	0.0	0.015	0.000	0.3	0.596	OK
53	FEH 2013: 100 years: +40 %: 15 mins: Winter	78.488	77.096	77.161	0.065	16.8	0.073	0.000	4.9	2.957	OK
59	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.884	76.155	77.603	1.448	351.3	2.072	0.000	297.7	207.546	Flood Risk
55	FEH 2013: 100 years: +40 %: 15 mins: Summer	79.071	77.721	77.721	0.000	0.0	0.000	0.000	0.0	0.000	OK
56	FEH 2013: 100 years: +40 %: 15 mins: Winter	78.364	77.008	77.054	0.046	0.0	0.052	0.000	3.8	1.468	OK
57	FEH 2013: 100 years: +40 %: 15 mins: Winter	78.259	76.895	76.963	0.068	9.7	0.077	0.000	7.8	3.806	OK
58	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.973	76.568	77.267	0.699	31.0	0.790	0.000	15.8	6.013	Surcharged
60	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.669	75.921	77.391	1.470	701.8	2.597	0.000	673.6	389.489	Flood Risk
63	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.234	73.555	75.849	2.294	1032.8	5.837	0.000	1010.9	689.110	Surcharged
32	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.821	73.485	75.496	2.011	1144.0	5.118	0.000	1124.1	750.158	Surcharged
33	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.753	73.385	74.927	1.543	1240.4	3.926	0.000	1224.8	805.554	Surcharged
38	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.764	72.290	73.578	1.289	3075.0	3.848	0.000	3062.9	1920.555	Surcharged
35	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.385	73.700	74.045	0.345	50.2	0.391	0.000	39.1	23.210	Surcharged
36	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.176	73.490	73.898	0.408	39.1	0.462	0.000	31.1	23.246	Surcharged
37	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.934	73.245	73.790	0.545	51.2	0.616	0.000	47.0	32.552	Surcharged
39	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.367	71.955	72.939	0.984	3062.9	2.938	0.000	2992.9	1919.914	OK
68	FEH 2013: 100 years: +40 %: 15 mins: Summer	73.309	71.360	72.163	0.803	3257.3	2.399	0.000	3105.1	1880.396	OK
64	FEH 2013: 100 years: +40 %: 15 mins: Summer	75.829	74.200	74.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
65	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.921	73.320	73.378	0.058	8.0	0.065	0.000	2.2	1.264	OK
66	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.021	72.550	73.595	1.045	12.8	1.182	0.000	15.4	4.832	Surcharged
67	FEH 2013: 100 years: +40 %: 15 mins: Winter	73.825	72.150	73.695	1.545	410.2	2.211	0.000	389.1	193.251	Flood Risk
74	FEH 2013: 100 years: +40 %: 15 mins: Winter	71.732	69.780	71.263	1.484	3788.9	4.430	0.000	3752.1	2327.623	Surcharged
69	FEH 2013: 100 years: +40 %: 15 mins: Summer	74.413	72.130	72.130	0.000	0.0	0.000	0.000	0.0	0.000	OK
70	FEH 2013: 100 years: +40 %: 15 mins: Winter	72.878	71.670	71.758	0.088	0.0	0.100	0.000	11.2	1.296	OK
71	FEH 2013: 100 years: +40 %: 15 mins: Winter	72.301	71.090	71.509	0.419	17.0	0.474	0.000	15.1	4.767	Surcharged
72	FEH 2013: 100 years: +40 %: 15 mins: Winter	71.987	70.560	71.633	1.073	260.0	1.536	0.000	201.7	122.840	Surcharged
73	FEH 2013: 100 years: +40 %: 15 mins: Winter	71.742	70.295	71.336	1.041	213.4	1.840	0.000	139.2	98.124	Surcharged
77	FEH 2013: 100 years: +40 %: 15 mins: Winter	71.251	69.300	70.553	1.253	3839.6	3.742	0.000	3557.0	2374.118	Surcharged
75	FEH 2013: 100 years: +40 %: 15 mins: Winter	72.087	70.845	70.869	0.024	0.0	0.028	0.000	1.1	0.779	OK
76	FEH 2013: 100 years: +40 %: 15 mins: Winter	71.689	70.260	70.643	0.383	102.0	0.433	0.000	87.4	47.602	Surcharged
78	FEH 2013: 100 years: +40 %: 15 mins: Winter	70.276	68.325	69.799	1.475	3557.0	4.404	0.000	3406.8	2374.408	Surcharged
104	FEH 2013: 100 years: +40 %: 15 mins: Winter	69.511	67.560	69.090	1.530	4114.4	4.569	0.000	4122.3	2934.437	Surcharged
79	FEH 2013: 100 years: +40 %: 15 mins: Summer	76.040	74.375	74.375	0.000	0.0	0.000	0.000	0.0	0.000	OK
80	FEH 2013: 100 years: +40 %: 15 mins: Summer	75.754	74.100	74.100	0.000	0.0	0.000	0.000	0.0	0.000	OK
81	FEH 2013: 100 years: +40 %: 15 mins: Summer	75.460	73.810	73.810	0.000	0.0	0.000	0.000	0.0	0.000	OK
82	FEH 2013: 100 years: +40 %: 15 mins: Summer	75.152	73.500	73.500	0.000	0.0	0.000	0.000	0.0	0.000	OK
83	FEH 2013: 100 years: +40 %: 15 mins: Summer	74.975	73.290	73.290	0.000	0.0	0.000	0.000	0.0	0.000	OK
84	FEH 2013: 100 years: +40 %: 15 mins: Summer	74.723	73.070	73.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
85	FEH 2013: 100 years: +40 %: 15 mins: Summer	74.467	72.815	72.815	0.000	0.0	0.000	0.000	0.0	0.000	OK
86	FEH 2013: 100 years: +40 %: 15 mins: Summer	74.053	72.400	72.400	0.000	0.0	0.000	0.000	0.0	0.000	OK

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87	FEH 2013: 100 years: +40 %: 15 mins: Summer	73.721	72.070	72.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
88	FEH 2013: 100 years: +40 %: 15 mins: Summer	73.680	71.960	71.960	0.000	0.0	0.000	0.000	0.0	0.000	OK
90	FEH 2013: 100 years: +40 %: 15 mins: Winter	73.151	71.500	71.557	0.057	0.0	0.064	0.000	5.0	1.839	OK
89	FEH 2013: 100 years: +40 %: 15 mins: Summer	74.263	72.910	72.910	0.000	0.0	0.000	0.000	0.0	0.000	OK
91	FEH 2013: 100 years: +40 %: 15 mins: Winter	72.895	71.120	71.333	0.213	32.6	0.240	0.000	6.6	4.670	Surcharged
92	FEH 2013: 100 years: +40 %: 15 mins: Winter	72.803	69.635	71.759	2.124	490.1	3.040	0.000	436.1	228.301	Surcharged
94	FEH 2013: 100 years: +40 %: 15 mins: Winter	72.470	69.260	71.159	1.899	568.4	4.833	0.000	534.5	300.541	Surcharged
93	FEH 2013: 100 years: +40 %: 15 mins: Winter	71.379	69.850	71.382	1.532	72.4	4.380	2.651	172.4	38.706	Flood
99	FEH 2013: 100 years: +40 %: 15 mins: Winter	73.002	69.210	71.071	1.861	974.9	4.736	0.000	941.6	523.840	Surcharged
95	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.749	73.875	75.378	1.503	52.9	1.700	0.000	39.2	24.222	Surcharged
96	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.014	73.385	75.138	1.752	95.0	1.982	0.000	81.9	50.366	Surcharged
97	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.389	73.135	74.892	1.757	231.3	1.987	0.000	218.8	119.340	Surcharged
98	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.418	72.540	72.967	0.427	455.8	0.611	0.000	444.2	229.022	OK
98 (1)	FEH 2013: 100 years: +40 %: 15 mins: Winter	73.719	71.840	72.070	0.230	444.2	0.329	0.000	440.5	228.306	OK
100	FEH 2013: 100 years: +40 %: 15 mins: Winter	73.097	69.155	70.798	1.643	941.6	4.181	0.000	913.1	523.635	Surcharged
101	FEH 2013: 100 years: +40 %: 15 mins: Winter	72.977	69.115	70.580	1.465	1001.0	3.727	0.000	961.0	559.584	Surcharged
102	FEH 2013: 100 years: +40 %: 15 mins: Winter	73.436	68.830	69.871	1.041	961.0	2.650	0.000	755.4	559.406	Surcharged
103	FEH 2013: 100 years: +40 %: 15 mins: Winter	70.136	68.160	69.353	1.193	755.4	3.037	0.000	715.9	572.781	Surcharged
105	FEH 2013: 100 years: +40 %: 15 mins: Winter		67.110	67.967	0.858	4122.3			4136.6	2934.684	OK
106	FEH 2013: 100 years: +40 %: 15 mins: Winter		66.845	67.936	1.091	4136.6			4197.7	2931.060	OK
116	FEH 2013: 100 years: +40 %: 30 mins: Winter		66.640	67.650	1.010	4328.9			4278.1	4226.744	OK
107	FEH 2013: 100 years: +40 %: 15 mins: Summer	72.336	70.986	70.986	0.000	0.0	0.000	0.000	0.0	0.000	OK
108	FEH 2013: 100 years: +40 %: 15 mins: Summer	71.973	70.623	70.623	0.000	0.0	0.000	0.000	0.0	0.000	OK
109	FEH 2013: 100 years: +40 %: 15 mins: Summer	71.769	70.419	70.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
110	FEH 2013: 100 years: +40 %: 15 mins: Summer	71.297	69.947	69.947	0.000	0.0	0.000	0.000	0.0	0.000	OK
115	FEH 2013: 100 years: +40 %: 15 mins: Winter	69.235	67.368	68.197	0.829	514.7	1.186	0.000	509.2	236.961	Surcharged
111	FEH 2013: 100 years: +40 %: 15 mins: Summer	70.550	69.200	69.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
112	FEH 2013: 100 years: +40 %: 15 mins: Summer	70.529	69.134	69.134	0.000	0.0	0.000	0.000	0.0	0.000	OK
114	FEH 2013: 100 years: +40 %: 15 mins: Winter	69.744	68.185	68.186	0.001	0.1	0.002	0.000	0.0	0.000	OK
113	FEH 2013: 100 years: +40 %: 15 mins: Summer	69.769	68.419	68.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
125	FEH 2013: 100 years: +40 %: 30 mins: Winter		66.285	67.592	1.307	4557.3			4004.8	4483.315	OK
117	FEH 2013: 100 years: +40 %: 15 mins: Summer	71.628	70.278	70.278	0.000	0.0	0.000	0.000	0.0	0.000	OK
118	FEH 2013: 100 years: +40 %: 15 mins: Summer	71.199	69.843	69.843	0.000	0.0	0.000	0.000	0.0	0.000	OK
119	FEH 2013: 100 years: +40 %: 15 mins: Summer	69.991	68.641	68.641	0.000	0.0	0.000	0.000	0.0	0.000	OK
120	FEH 2013: 100 years: +40 %: 15 mins: Summer	69.688	68.338	68.338	0.000	0.0	0.000	0.000	0.0	0.000	OK
121	FEH 2013: 100 years: +40 %: 15 mins: Summer	69.467	68.117	68.117	0.000	0.0	0.000	0.000	0.0	0.000	OK
122	FEH 2013: 100 years: +40 %: 15 mins: Winter	69.283	67.933	67.937	0.004	0.1	0.005	0.000	0.0	0.315	OK
123	FEH 2013: 100 years: +40 %: 15 mins: Winter	69.035	67.684	67.941	0.257	14.2	0.291	0.000	0.1	1.328	Surcharged
124	FEH 2013: 100 years: +40 %: 15 mins: Winter	68.589	67.013	68.091	1.078	432.2	1.543	0.000	408.0	199.923	Surcharged
126	FEH 2013: 100 years: +40 %: 30 mins: Winter		65.687	67.573	1.886	4004.8			3233.3	4462.708	Surcharged
127	FEH 2013: 100 years: +40 %: 30 mins: Winter	65.541	63.710	65.156	1.446	3233.3	3.681	0.000	3229.6	4459.368	Surcharged
128	FEH 2013: 100 years: +40 %: 15 mins: Summer	69.363	68.013	68.013	0.000	0.0	0.000	0.000	0.0	0.000	OK
129	FEH 2013: 100 years: +40 %: 15 mins: Summer	68.559	67.208	67.208	0.000	0.0	0.000	0.000	0.0	0.000	OK
130	FEH 2013: 100 years: +40 %: 15 mins: Summer	67.923	66.572	66.572	0.000	0.0	0.000	0.000	0.0	0.000	OK
131	FEH 2013: 100 years: +40 %: 15 mins: Summer	67.296	65.945	65.945	0.000	0.0	0.000	0.000	0.0	0.000	OK
132	FEH 2013: 100 years: +40 %: 15 mins: Winter	66.232	64.724	65.457	0.733	213.6	0.829	0.000	193.3	97.872	Surcharged

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133	FEH 2013: 100 years: +40 %: 360 mins: Winter	65.321	62.560	64.394	1.834	30.4	2.074	0.000	30.1	255.423	Surcharged
134	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.790	74.365	74.487	0.122	59.4	0.138	0.000	58.4	27.493	OK
135	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.491	72.872	73.011	0.139	58.4	0.158	0.000	56.6	27.482	OK
138	FEH 2013: 100 years: +40 %: 15 mins: Winter	73.766	72.199	72.319	0.120	56.6	0.135	0.000	54.9	27.476	OK
136	FEH 2013: 100 years: +40 %: 15 mins: Summer	74.599	73.249	73.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
137	FEH 2013: 100 years: +40 %: 15 mins: Summer	74.262	72.912	72.912	0.000	0.0	0.000	0.000	0.0	0.000	OK
139	FEH 2013: 100 years: +40 %: 15 mins: Winter	72.723	71.156	71.270	0.114	54.9	0.129	0.000	53.5	27.469	OK
140	FEH 2013: 100 years: +40 %: 15 mins: Winter	71.220	69.653	69.771	0.118	53.5	0.134	0.000	52.0	27.455	OK
143	FEH 2013: 100 years: +40 %: 15 mins: Winter	70.496	68.928	69.051	0.123	52.0	0.139	0.000	50.7	27.432	OK
141	FEH 2013: 100 years: +40 %: 15 mins: Summer	71.000	69.650	69.650	0.000	0.0	0.000	0.000	0.0	0.000	OK
142	FEH 2013: 100 years: +40 %: 15 mins: Summer	70.677	69.325	69.325	0.000	0.0	0.000	0.000	0.0	0.000	OK
148	FEH 2013: 100 years: +40 %: 15 mins: Winter	68.914	67.346	67.473	0.127	50.7	0.143	0.000	34.5	27.696	OK
144	FEH 2013: 100 years: +40 %: 15 mins: Summer	72.961	71.611	71.611	0.000	0.0	0.000	0.000	0.0	0.000	OK
145	FEH 2013: 100 years: +40 %: 15 mins: Summer	71.342	69.992	69.992	0.000	0.0	0.000	0.000	0.0	0.000	OK
146	FEH 2013: 100 years: +40 %: 15 mins: Summer	70.546	69.196	69.196	0.000	0.0	0.000	0.000	0.0	0.000	OK
147	FEH 2013: 100 years: +40 %: 15 mins: Summer	69.926	68.576	68.576	0.000	0.0	0.000	0.000	0.0	0.000	OK
149	FEH 2013: 100 years: +40 %: 15 mins: Winter	68.086	66.061	67.391	1.330	1054.8	2.350	0.000	1044.5	498.881	Surcharged
159	FEH 2013: 100 years: +40 %: 15 mins: Winter	67.513	65.413	65.949	0.536	1110.3	0.947	0.000	962.3	569.796	OK
HD-01	FEH 2013: 100 years: +40 %: 15 mins: Winter	82.545	81.195	81.275	0.080	18.1	0.091	0.000	17.2	8.356	OK
HD-02	FEH 2013: 100 years: +40 %: 15 mins: Winter		79.541	79.589	0.048	17.2			15.6	8.316	OK
HD-04	FEH 2013: 100 years: +40 %: 15 mins: Winter		78.658	78.724	0.066	35.1			31.4	17.622	OK
HD-03	FEH 2013: 100 years: +40 %: 15 mins: Winter	80.650	79.300	79.414	0.114	20.3	0.129	0.000	19.5	9.401	OK
HD-06	FEH 2013: 100 years: +40 %: 15 mins: Winter		76.740	76.819	0.079	51.5			51.1	27.144	OK
HD-05	FEH 2013: 100 years: +40 %: 15 mins: Winter	78.926	77.776	77.859	0.083	20.6	0.094	0.000	20.1	9.525	OK
HD-07	FEH 2013: 100 years: +40 %: 15 mins: Winter		76.489	76.637	0.147	51.1			50.0	27.026	OK
HD-08	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.529	75.604	75.718	0.114	62.1	0.129	0.000	60.5	32.619	OK
HD-12	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.087	74.797	74.933	0.136	89.4	0.154	0.000	87.9	46.385	OK
HD-09	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.266	75.491	75.544	0.053	10.4	0.060	0.000	10.2	4.818	OK
HD-10	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.946	76.171	76.217	0.046	6.1	0.052	0.000	6.0	2.823	OK
HD-11	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.438	75.663	75.738	0.075	19.2	0.084	0.000	18.7	8.971	OK
HD-14	FEH 2013: 100 years: +40 %: 15 mins: Winter	76.334	74.409	74.814	0.405	115.0	0.458	0.000	112.7	58.964	Surcharged
HD-13	FEH 2013: 100 years: +40 %: 15 mins: Winter	77.175	75.400	75.466	0.066	16.5	0.075	0.000	16.3	7.598	OK
HD-15	FEH 2013: 100 years: +40 %: 15 mins: Winter		74.181	74.322	0.141	112.7			109.0	59.076	OK
HD-17	FEH 2013: 100 years: +40 %: 15 mins: Winter		73.646	74.001	0.355	120.5			112.4	61.927	OK
HD-16	FEH 2013: 100 years: +40 %: 15 mins: Winter	75.800	74.450	74.529	0.079	11.9	0.089	0.000	11.5	5.494	OK
HD-18	FEH 2013: 100 years: +40 %: 15 mins: Winter		73.573	73.710	0.137	112.4			100.8	61.616	OK
HD-20	FEH 2013: 100 years: +40 %: 15 mins: Winter		72.716	72.841	0.125	114.9			108.8	68.502	OK
HD-19	FEH 2013: 100 years: +40 %: 15 mins: Winter	74.600	73.250	73.351	0.101	14.7	0.114	0.000	14.1	6.798	OK
HD-21	FEH 2013: 100 years: +40 %: 30 mins: Winter		71.550	71.827	0.277	101.5			101.4	88.677	OK
HD-23	FEH 2013: 100 years: +40 %: 30 mins: Winter		71.368	71.493	0.125	114.8			114.1	101.045	OK
HD-22	FEH 2013: 100 years: +40 %: 15 mins: Winter	73.046	71.896	72.035	0.139	20.4	0.157	0.000	19.1	9.424	OK
HD-24	FEH 2013: 100 years: +40 %: 30 mins: Winter		68.487	68.636	0.149	114.1			114.0	101.036	OK
157	FEH 2013: 100 years: +40 %: 15 mins: Winter	69.750	67.725	67.868	0.143	115.3	0.252	0.000	118.7	74.478	OK
158	FEH 2013: 100 years: +40 %: 15 mins: Winter	69.305	67.280	67.405	0.125	118.7	0.221	0.000	121.2	74.814	OK
160	FEH 2013: 100 years: +40 %: 15 mins: Summer	65.183	62.560	64.608	2.048	944.0	3.619	0.000	967.4	492.042	Surcharged
162	FEH 2013: 100 years: +40 %: 1440 mins: Winter	64.650	62.236	62.475	0.239	171.4	1.083	0.000	171.4	12855.661	OK

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163	FEH 2013: 100 years: +40 %: 1440 mins: Winter	64.080	62.021	62.437	0.416	171.4	0.735	0.000	171.4	12855.521	Surcharged
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Design Criteria FSR: 2 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
1	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	79.689	77.863	77.863	0.000	0.0	0.000	0.000	0.0	0.000	OK
2	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.424	76.866	76.866	0.000	0.0	0.000	0.000	0.0	0.000	OK
3	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.479	75.579	75.783	0.204	204.4	0.360	0.000	201.7	94.716	OK
5	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.337	75.167	75.394	0.227	201.7	0.402	0.000	195.0	94.691	OK
4	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.440	77.090	77.090	0.000	0.0	0.000	0.000	0.0	0.000	OK
6	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.046	74.817	75.044	0.227	195.0	0.401	0.000	186.8	94.611	OK
9	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.766	74.532	74.787	0.255	300.4	0.450	0.000	287.4	147.161	OK
7	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.917	76.567	76.567	0.000	0.0	0.000	0.000	0.0	0.000	OK
8	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.027	75.676	75.676	0.000	0.0	0.000	0.000	0.0	0.000	OK
22	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.164	73.485	73.950	0.465	462.6	1.184	0.000	441.2	228.162	OK
10	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.678	77.175	77.175	0.000	0.0	0.000	0.000	0.0	0.000	OK
11	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.490	76.980	76.980	0.000	0.0	0.000	0.000	0.0	0.000	OK
12	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.054	76.495	76.495	0.000	0.0	0.000	0.000	0.0	0.000	OK
14	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.450	75.785	75.785	0.000	0.0	0.000	0.000	0.0	0.000	OK
13	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.228	76.025	76.025	0.000	0.0	0.000	0.000	0.0	0.000	OK
15	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	76.989	75.520	75.520	0.000	0.0	0.000	0.000	0.0	0.000	OK
16	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.207	75.315	75.315	0.000	0.0	0.000	0.000	0.0	0.000	OK
17	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.119	75.240	75.240	0.000	0.0	0.000	0.000	0.0	0.000	OK
18	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	76.972	75.055	75.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
19	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	76.864	74.940	74.940	0.000	0.0	0.000	0.000	0.0	0.000	OK
20	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	76.591	74.660	74.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
21	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	76.440	74.515	74.515	0.000	0.0	0.000	0.000	0.0	0.000	OK
28	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.047	73.460	73.860	0.400	441.2	1.019	0.000	430.5	227.965	OK
23	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.043	76.693	76.693	0.000	0.0	0.000	0.000	0.0	0.000	OK
25	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.632	76.249	76.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
24	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.010	76.660	76.660	0.000	0.0	0.000	0.000	0.0	0.000	OK
27	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.033	75.618	75.618	0.000	0.0	0.000	0.000	0.0	0.000	OK

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26	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.405	76.055	76.055	0.000	0.0	0.000	0.000	0.0	0.000	OK
29	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.813	73.410	73.731	0.321	430.5	0.818	0.000	422.8	227.896	OK
30	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.514	73.105	73.497	0.392	613.9	0.998	0.000	601.9	316.388	OK
31	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.276	72.875	73.243	0.369	601.9	0.938	0.000	589.1	315.942	OK
34	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	74.888	72.410	73.102	0.692	1031.4	1.911	0.000	966.1	589.041	OK
40	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.783	74.980	75.114	0.134	46.3	0.152	0.000	43.6	21.451	OK
41	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.354	74.470	74.662	0.192	71.8	0.275	0.000	67.6	34.494	OK
42	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.170	74.220	74.425	0.205	78.1	0.293	0.000	75.3	39.287	OK
43	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.422	74.025	74.303	0.278	130.2	0.492	0.000	121.8	64.699	OK
44	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.697	73.935	74.228	0.293	137.2	0.517	0.000	127.2	71.773	OK
61	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.907	73.650	74.153	0.503	404.1	1.280	0.000	374.6	205.152	OK
45	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	81.794	80.400	80.400	0.000	0.0	0.000	0.000	0.0	0.000	OK
46	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	80.472	78.369	78.369	0.000	0.0	0.000	0.000	0.0	0.000	OK
47	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	80.158	77.876	77.876	0.000	0.0	0.000	0.000	0.0	0.000	OK
48	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	79.941	77.588	77.588	0.000	0.0	0.000	0.000	0.0	0.000	OK
49	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	79.769	77.488	77.488	0.000	0.0	0.000	0.000	0.0	0.000	OK
50	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	79.545	77.378	77.378	0.000	0.0	0.000	0.000	0.0	0.000	OK
51	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	78.457	76.523	76.750	0.227	139.1	0.325	0.000	136.6	64.480	OK
54	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.955	76.267	76.497	0.230	136.6	0.329	0.000	133.3	64.443	OK
52	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.832	77.431	77.431	0.000	0.0	0.000	0.000	0.0	0.000	OK
53	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.488	77.096	77.096	0.000	0.0	0.000	0.000	0.0	0.000	OK
59	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.884	76.155	76.377	0.222	133.3	0.318	0.000	129.8	64.420	OK
55	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	79.071	77.721	77.721	0.000	0.0	0.000	0.000	0.0	0.000	OK
56	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.364	77.008	77.008	0.000	0.0	0.000	0.000	0.0	0.000	OK
57	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	78.259	76.895	76.895	0.000	0.0	0.000	0.000	0.0	0.000	OK
58	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	77.973	76.568	76.568	0.000	0.0	0.000	0.000	0.0	0.000	OK
60	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.669	75.921	76.102	0.181	257.3	0.319	0.000	253.9	122.932	OK
63	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.234	73.555	74.038	0.483	399.8	1.230	0.000	370.3	216.393	OK
32	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.821	73.485	73.910	0.425	412.3	1.081	0.000	384.8	235.400	OK
33	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.753	73.385	73.663	0.278	421.5	0.709	0.000	396.6	252.393	OK
38	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	74.764	72.290	72.754	0.464	993.9	1.385	0.000	977.6	603.067	OK

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35	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.385	73.700	73.786	0.086	15.9	0.097	0.000	15.5	7.348	OK
36	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.176	73.490	73.573	0.083	15.5	0.094	0.000	14.7	7.338	OK
37	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	74.934	73.245	73.362	0.117	21.1	0.132	0.000	19.3	10.260	OK
39	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	74.367	71.955	72.377	0.422	977.6	1.260	0.000	945.3	602.625	OK
68	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	73.309	71.360	71.717	0.357	1067.8	1.067	0.000	1026.5	662.028	OK
64	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	75.829	74.200	74.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
65	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.921	73.320	73.320	0.000	0.0	0.000	0.000	0.0	0.000	OK
66	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.021	72.550	72.550	0.000	0.0	0.000	0.000	0.0	0.000	OK
67	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	73.825	72.150	72.464	0.314	129.5	0.449	0.000	122.4	59.960	OK
74	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	71.732	69.780	70.225	0.446	1168.0	1.331	0.000	1119.6	730.806	OK
69	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.413	72.130	72.130	0.000	0.0	0.000	0.000	0.0	0.000	OK
70	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	72.878	71.670	71.670	0.000	0.0	0.000	0.000	0.0	0.000	OK
71	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	72.301	71.090	71.090	0.000	0.0	0.000	0.000	0.0	0.000	OK
72	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	71.987	70.560	70.797	0.237	82.1	0.340	0.000	76.9	38.001	OK
73	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	71.742	70.295	70.470	0.175	67.4	0.309	0.000	64.5	31.199	OK
77	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	71.251	69.300	69.691	0.391	1148.2	1.168	0.000	1118.3	745.372	OK
75	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	72.087	70.845	70.845	0.000	0.0	0.000	0.000	0.0	0.000	OK
76	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	71.689	70.260	70.399	0.139	32.2	0.157	0.000	28.5	14.888	OK
78	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	70.276	68.325	68.725	0.400	1118.3	1.196	0.000	1080.9	745.035	OK
104	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	69.511	67.560	68.035	0.475	1276.5	1.418	0.000	1299.2	916.732	OK
79	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	76.040	74.375	74.375	0.000	0.0	0.000	0.000	0.0	0.000	OK
80	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	75.754	74.100	74.100	0.000	0.0	0.000	0.000	0.0	0.000	OK
81	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	75.460	73.810	73.810	0.000	0.0	0.000	0.000	0.0	0.000	OK
82	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	75.152	73.500	73.500	0.000	0.0	0.000	0.000	0.0	0.000	OK
83	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.975	73.290	73.290	0.000	0.0	0.000	0.000	0.0	0.000	OK
84	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.723	73.070	73.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
85	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.467	72.815	72.815	0.000	0.0	0.000	0.000	0.0	0.000	OK
86	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.053	72.400	72.400	0.000	0.0	0.000	0.000	0.0	0.000	OK
87	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	73.721	72.070	72.070	0.000	0.0	0.000	0.000	0.0	0.000	OK
88	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	73.680	71.960	71.960	0.000	0.0	0.000	0.000	0.0	0.000	OK
90	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	73.151	71.500	71.500	0.000	0.0	0.000	0.000	0.0	0.000	OK

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89	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.263	72.910	72.910	0.000	0.0	0.000	0.000	0.0	0.000	OK
91	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	72.895	71.120	71.120	0.000	0.0	0.000	0.000	0.0	0.000	OK
92	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	72.803	69.635	69.964	0.329	154.7	0.471	0.000	148.0	71.649	OK
94	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	72.470	69.260	69.679	0.419	192.8	1.067	0.000	183.4	93.354	OK
93	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	71.379	69.850	69.966	0.116	22.9	0.132	0.000	21.0	10.575	OK
99	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	73.002	69.210	69.655	0.445	322.9	1.133	0.000	303.8	165.393	OK
95	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.749	73.875	73.962	0.087	16.7	0.098	0.000	15.4	7.726	OK
96	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.014	73.385	73.510	0.125	33.0	0.142	0.000	31.6	15.870	OK
97	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.389	73.135	73.324	0.189	78.7	0.213	0.000	71.3	37.646	OK
98	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	74.418	72.540	72.728	0.188	146.1	0.268	0.000	143.7	72.300	OK
98 (1)	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	73.719	71.840	71.970	0.129	143.7	0.185	0.000	139.5	72.247	OK
100	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	73.097	69.155	69.577	0.422	303.8	1.073	0.000	287.2	165.197	OK
101	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	72.977	69.115	69.500	0.385	315.0	0.980	0.000	262.1	178.139	OK
102	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	73.436	68.830	69.134	0.304	262.1	0.773	0.000	277.6	176.054	OK
103	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	70.136	68.160	68.489	0.329	277.6	0.836	0.000	304.8	172.267	OK
105	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		67.110	67.610	0.500	1299.2			1332.0	916.396	OK
106	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		66.845	67.587	0.741	1332.0			1467.4	902.722	OK
116	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		66.640	67.180	0.541	1514.0			1598.2	942.776	OK
107	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	72.336	70.986	70.986	0.000	0.0	0.000	0.000	0.0	0.000	OK
108	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	71.973	70.623	70.623	0.000	0.0	0.000	0.000	0.0	0.000	OK
109	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	71.769	70.419	70.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
110	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	71.297	69.947	69.947	0.000	0.0	0.000	0.000	0.0	0.000	OK
115	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	69.235	67.368	67.543	0.175	162.5	0.250	0.000	160.8	74.832	OK
111	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	70.550	69.200	69.200	0.000	0.0	0.000	0.000	0.0	0.000	OK
112	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	70.529	69.134	69.134	0.000	0.0	0.000	0.000	0.0	0.000	OK
114	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.744	68.185	68.185	0.000	0.0	0.000	0.000	0.0	0.000	OK
113	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.769	68.419	68.419	0.000	0.0	0.000	0.000	0.0	0.000	OK
125	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		66.285	66.900	0.615	1637.1			1690.3	986.776	OK
117	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	71.628	70.278	70.278	0.000	0.0	0.000	0.000	0.0	0.000	OK
118	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	71.199	69.843	69.843	0.000	0.0	0.000	0.000	0.0	0.000	OK
119	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.991	68.641	68.641	0.000	0.0	0.000	0.000	0.0	0.000	OK

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120	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.688	68.338	68.338	0.000	0.0	0.000	0.000	0.0	0.000	OK
121	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.467	68.117	68.117	0.000	0.0	0.000	0.000	0.0	0.000	OK
122	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.283	67.933	67.933	0.000	0.0	0.000	0.000	0.0	0.000	OK
123	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.035	67.684	67.684	0.000	0.0	0.000	0.000	0.0	0.000	OK
124	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	68.589	67.013	67.193	0.180	136.4	0.257	0.000	135.2	62.810	OK
126	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		65.687	66.261	0.574	1690.3			1693.7	974.054	OK
127	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	65.541	63.710	64.244	0.534	1693.7	1.360	0.000	1694.3	970.825	OK
128	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.363	68.013	68.013	0.000	0.0	0.000	0.000	0.0	0.000	OK
129	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	68.559	67.208	67.208	0.000	0.0	0.000	0.000	0.0	0.000	OK
130	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	67.923	66.572	66.572	0.000	0.0	0.000	0.000	0.0	0.000	OK
131	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	67.296	65.945	65.945	0.000	0.0	0.000	0.000	0.0	0.000	OK
132	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	66.232	64.724	64.837	0.113	67.4	0.128	0.000	65.0	31.228	OK
133	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	65.321	62.560	62.963	0.403	12.0	0.456	0.000	11.2	68.707	Surcharged
134	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.790	74.365	74.428	0.063	18.8	0.072	0.000	18.4	8.688	OK
135	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	74.491	72.872	72.942	0.070	18.4	0.079	0.000	17.7	8.681	OK
138	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	73.766	72.199	72.261	0.062	17.7	0.070	0.000	17.2	8.678	OK
136	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.599	73.249	73.249	0.000	0.0	0.000	0.000	0.0	0.000	OK
137	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	74.262	72.912	72.912	0.000	0.0	0.000	0.000	0.0	0.000	OK
139	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	72.723	71.156	71.216	0.060	17.2	0.067	0.000	16.6	8.672	OK
140	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	71.220	69.653	69.713	0.060	16.6	0.068	0.000	16.0	8.661	OK
143	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	70.496	68.928	68.991	0.063	16.0	0.072	0.000	15.2	8.655	OK
141	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	71.000	69.650	69.650	0.000	0.0	0.000	0.000	0.0	0.000	OK
142	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	70.677	69.325	69.325	0.000	0.0	0.000	0.000	0.0	0.000	OK
148	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	68.914	67.346	67.405	0.059	15.2	0.067	0.000	13.9	8.620	OK
144	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	72.961	71.611	71.611	0.000	0.0	0.000	0.000	0.0	0.000	OK
145	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	71.342	69.992	69.992	0.000	0.0	0.000	0.000	0.0	0.000	OK
146	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	70.546	69.196	69.196	0.000	0.0	0.000	0.000	0.0	0.000	OK
147	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	69.926	68.576	68.576	0.000	0.0	0.000	0.000	0.0	0.000	OK
149	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	68.086	66.061	66.323	0.262	335.9	0.464	0.000	331.3	157.812	OK
159	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	67.513	65.413	65.617	0.204	334.3	0.361	0.000	326.7	176.487	OK
HD-01	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	82.545	81.195	81.237	0.042	5.7	0.047	0.000	5.3	2.638	OK

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HD-02	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		79.541	79.566	0.025	5.3			4.5	2.602	OK
HD-04	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		78.658	78.691	0.033	10.7			8.8	5.489	OK
HD-03	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	80.650	79.300	79.354	0.054	6.4	0.061	0.000	6.1	2.971	OK
HD-06	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		76.740	76.780	0.040	15.1			14.9	8.497	OK
HD-05	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	78.926	77.776	77.819	0.043	6.5	0.048	0.000	6.3	3.011	OK
HD-07	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		76.489	76.590	0.101	14.9			14.4	8.385	OK
HD-08	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.529	75.604	75.662	0.058	18.2	0.066	0.000	17.5	10.143	OK
HD-12	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.087	74.797	74.869	0.072	26.6	0.081	0.000	25.8	14.484	OK
HD-09	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.266	75.491	75.520	0.029	3.3	0.032	0.000	3.2	1.524	OK
HD-10	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.946	76.171	76.197	0.026	1.9	0.029	0.000	1.8	0.889	OK
HD-11	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.438	75.663	75.702	0.039	6.0	0.044	0.000	5.8	2.835	OK
HD-14	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	76.334	74.409	74.570	0.161	34.2	0.182	0.000	32.7	18.425	OK
HD-13	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	77.175	75.400	75.437	0.037	5.2	0.042	0.000	5.0	2.402	OK
HD-15	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		74.181	74.253	0.072	32.7			30.8	18.505	OK
HD-17	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		73.646	73.930	0.284	34.4			27.9	17.659	OK
HD-16	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	75.800	74.450	74.491	0.041	3.8	0.046	0.000	3.6	1.733	OK
HD-18	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		73.573	73.644	0.071	27.9			28.2	17.402	OK
HD-20	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		72.716	72.780	0.064	29.7			31.5	19.596	OK
HD-19	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	74.600	73.250	73.300	0.050	4.6	0.056	0.000	4.4	2.144	OK
HD-21	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		71.550	71.774	0.224	31.5			34.0	16.874	OK
HD-23	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		71.368	71.439	0.071	36.1			38.5	19.523	OK
HD-22	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	73.046	71.896	71.957	0.061	6.4	0.069	0.000	6.1	2.976	OK
HD-24	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter		68.487	68.574	0.087	38.5			39.0	19.462	OK
157	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	69.750	67.725	67.804	0.079	39.0	0.139	0.000	39.4	19.341	OK
158	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	69.305	67.280	67.353	0.073	39.4	0.129	0.000	39.1	19.486	OK
160	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	65.183	62.560	62.963	0.403	70.1	0.712	0.000	68.6	399.684	OK
162	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	64.650	62.236	62.448	0.212	142.1	0.957	0.000	142.1	2019.246	OK
163	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	64.080	62.021	62.337	0.316	142.1	0.559	0.000	142.2	2018.368	Surcharged

Highover Farm, Hitchin:	Date: 20/09/2024			
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FEH 2013: 2 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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
161	FEH 2013: 2 years: +0 %: 360 mins: Winter	62.992	62.992	0.687	0.687	381.7	2001.437	0.000	0.000	150.7	2737.562	173	79.089
164	FEH 2013: 2 years: +0 %: 360 mins: Winter	61.016	61.000	0.016	0.000	150.7	6.221	0.000	2736.359	0.0	0.000	0	99.489

Highover Farm, Hitchin:	Date: 20/09/2024			
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	RH	DSB		
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Status
OK
OK

Highover Farm, Hitchin:	Date: 20/09/2024			
	Designed by: RH	Checked by: DSB	Approved By:	
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FEH 2013: 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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
161	FEH 2013: 30 years: +0 %: 240 mins: Winter	63.563	63.563	1.258	1.258	979.2	4135.851	0.000	0.000	171.4	3836.338	216	56.788
164	FEH 2013: 30 years: +0 %: 120 mins: Summer	61.019	61.000	0.019	0.000	171.4	7.084	0.000	1823.882	0.0	0.000	0	99.418

Highover Farm, Hitchin:	Date: 20/09/2024			
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	RH	DSB		
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Status
OK
OK

Highover Farm, Hitchin:	Date: 20/09/2024			
	Designed by:	Checked by:	Approved By:	
	RH	DSB		
Report Details:		Company Address:		
Type: Stormwater Controls Summary				
Storm Phase: Storm				



FEH 2013: 100 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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
161	FEH 2013: 100 years: +0 %: 240 mins: Winter	63.853	63.853	1.548	1.548	1211.9	5401.955	0.000	0.000	171.4	3909.726	283	43.559
164	FEH 2013: 100 years: +0 %: 30 mins: Winter	61.019	61.000	0.019	0.000	171.4	7.084	0.000	390.951	0.0	0.000	1	99.418

Highover Farm, Hitchin:	Date: 20/09/2024			
	Designed by:	Checked by:	Approved By:	
	RH	DSB		
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Status
OK
OK

Highover Farm, Hitchin:	Date: 20/09/2024			
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FEH 2013: 100 years: Increase Rainfall (%): +40: 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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
161	FEH 2013: 100 years: +40 %: 360 mins: Winter	64.393	64.393	2.088	2.088	1239.6	8113.462	0.000	0.000	171.4	5815.875	409	15.229
164	FEH 2013: 100 years: +40 %: 1440 mins: Summer	61.019	61.000	0.019	0.000	171.4	7.084	0.000	11467.335	0.0	0.000	0	99.418

Highover Farm, Hitchin:	Date: 20/09/2024			
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	RH	DSB		
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Status
OK
OK

Highover Farm, Hitchin:	Date: 20/09/2024		
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Design Criteria FSR: 2 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. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
161	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	62.963	62.963	0.658	0.658	483.9	1903.863	0.000	0.000	142.1	2020.172	184	80.108
164	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	61.015	61.000	0.015	0.000	142.2	5.821	0.000	2018.374	0.0	0.000	0	99.522

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	RH	DSB		
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Status
OK
OK

Highover Farm, Hitchin:	Date: 20/09/2024		
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FEH 2013: 2 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
1.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	1	2	79.689	77.863	0.000	0.000	0.0	0	0.0	OK
1.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	2	3	78.424	76.866	0.000	0.000	0.0	0	0.0	OK
1.002	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	3	5	77.479	75.755	0.187	73.856	2.0	0.13	157.1	OK
2.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	4	5	78.440	77.090	0.000	0.000	0.0	0	0.0	OK
1.003	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	5	6	77.337	75.364	0.196	73.836	1.8	0.16	151.7	OK
1.004	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	6	9	77.046	75.012	0.206	73.765	1.6	0.15	145.4	OK
3.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	7	8	77.917	76.567	0.000	0.000	0.0	0	0.0	OK
3.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	8	9	77.027	75.676	0.000	0.000	0.0	0	0.0	OK
1.005	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	9	22	76.766	74.749	0.211	114.736	2.3	0.2	217.4	OK
4.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	10	11	78.678	77.175	0.000	0.000	0.0	0	0.0	OK
4.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	11	12	78.490	76.980	0.000	0.000	0.0	0	0.0	OK
4.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	12	14	78.054	76.495	0.000	0.000	0.0	0	0.0	OK
5.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	13	14	77.228	76.025	0.000	0.000	0.0	0	0.0	OK
4.003	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	14	15	77.450	75.785	0.000	0.000	0.0	0	0.0	OK
4.004	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	15	16	76.989	75.520	0.000	0.000	0.0	0	0.0	OK
4.005	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	16	17	77.207	75.315	0.000	0.000	0.0	0	0.0	OK
4.006	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	17	18	77.119	75.240	0.000	0.000	0.0	0	0.0	OK
4.007	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	18	19	76.972	75.055	0.000	0.000	0.0	0	0.0	OK
4.008	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	19	20	76.864	74.940	0.000	0.000	0.0	0	0.0	OK
4.009	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	20	21	76.591	74.660	0.000	0.000	0.0	0	0.0	OK
4.010	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	21	22	76.440	74.515	0.000	0.000	0.0	0	0.0	OK
1.006	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	22	28	76.164	73.890	0.378	177.970	1.4	0.38	349.1	OK
6.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	23	25	78.043	76.693	0.000	0.000	0.0	0	0.0	OK
7.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	24	25	78.010	76.660	0.000	0.000	0.0	0	0.0	OK
6.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	25	27	77.632	76.249	0.000	0.000	0.0	0	0.0	OK
8.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	26	27	77.405	76.055	0.000	0.000	0.0	0	0.0	OK

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6.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	27	28	77.033	75.618	0.000	0.000	0.0	0	0.0	OK
1.007	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	28	29	76.047	73.810	0.312	177.793	1.7	0.33	340.3	OK
1.008	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	29	30	75.813	73.684	0.304	177.724	1.7	0.14	330.4	OK
1.009	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	30	31	75.514	73.440	0.324	246.718	2.3	0.21	467.8	OK
1.010	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	31	34	75.276	73.187	0.416	246.305	1.7	0.17	457.5	OK
9.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	40	41	76.783	75.096	0.113	16.725	1.4	0.29	33.9	OK
9.001	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	41	42	76.354	74.635	0.159	26.890	1.2	0.35	52.4	OK
9.002	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	42	43	76.170	74.395	0.168	30.662	1.1	0.28	57.9	OK
9.003	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	43	44	76.422	74.261	0.239	50.441	1.0	0.34	95.0	OK
9.004	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	44	61	76.697	74.177	0.225	55.947	1.1	0.39	99.5	OK
10.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	45	46	81.794	80.400	0.000	0.000	0.0	0	0.0	OK
10.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	46	47	80.472	78.369	0.000	0.000	0.0	0	0.0	OK
10.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	47	48	80.158	77.876	0.000	0.000	0.0	0	0.0	OK
10.003	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	48	49	79.941	77.588	0.000	0.000	0.0	0	0.0	OK
10.004	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	49	50	79.769	77.488	0.000	0.000	0.0	0	0.0	OK
10.005	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	50	51	79.545	77.378	0.000	0.000	0.0	0	0.0	OK
10.006	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	51	54	78.457	76.717	0.195	50.278	1.6	0.32	106.4	OK
11.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	52	53	78.832	77.431	0.000	0.000	0.0	0	0.0	OK
11.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	53	54	78.488	77.096	0.000	0.000	0.0	0	0.0	OK
10.007	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	54	59	77.955	76.463	0.193	50.246	1.6	0.26	103.7	OK
12.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	55	56	79.071	77.721	0.000	0.000	0.0	0	0.0	OK
12.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	56	57	78.364	77.008	0.000	0.000	0.0	0	0.0	OK
12.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	57	58	78.259	76.895	0.000	0.000	0.0	0	0.0	OK
12.003	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	58	59	77.973	76.568	0.000	0.000	0.0	0	0.0	OK
10.008	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	59	60	77.884	76.346	0.180	50.225	1.7	0.3	100.9	OK
10.009	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	60	61	77.669	76.082	0.182	95.836	3.0	0.2	198.2	OK
9.005	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	61	63	76.907	74.078	0.420	160.179	1.1	0.52	292.0	OK
9.006	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	63	32	77.234	73.968	0.389	168.871	1.2	0.52	284.5	OK
9.007	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	32	33	76.821	73.850	0.300	183.606	1.8	0.53	294.4	OK
9.008	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	33	34	75.753	73.618	0.301	196.897	2.2	0.19	305.7	OK
1.011	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	34	38	74.888	73.004	0.544	459.338	1.7	0.67	742.7	OK

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13.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	35	36	75.385	73.775	0.074	5.726	1.1	0.22	12.0	OK
13.001	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	36	37	75.176	73.562	0.086	5.717	0.8	0.22	11.4	OK
13.002	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	37	38	74.934	73.345	0.097	7.992	0.9	0.37	14.9	OK
1.012	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	38	39	74.764	72.684	0.378	470.240	2.7	0.22	750.8	OK
1.013	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	39	68	74.367	72.316	0.333	469.822	3.1	0.2	722.8	OK
14.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	64	65	75.829	74.200	0.000	0.000	0.0	0	0.0	OK
14.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	65	66	74.921	73.320	0.000	0.000	0.0	0	0.0	OK
14.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	66	67	74.021	72.550	0.013	0.000	0.0	0	0.0	OK
14.003	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	67	68	73.825	72.410	0.244	46.754	1.3	0.73	95.6	OK
1.014	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	68	74	73.309	71.665	0.342	516.043	3.2	0.17	785.0	OK
15.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	69	70	74.413	72.130	0.000	0.000	0.0	0	0.0	OK
15.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	70	71	72.878	71.670	0.000	0.000	0.0	0	0.0	OK
15.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	71	72	72.301	71.090	0.000	0.000	0.0	0	0.0	OK
15.003	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	72	74	71.987	70.763	0.190	29.627	1.1	0.51	59.9	OK
16.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	73	74	71.742	70.448	0.147	24.328	0.9	0.12	50.1	OK
1.015	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	74	77	71.732	70.158	0.356	569.603	3.3	0.2	861.0	OK
17.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	75	76	72.087	70.845	0.000	0.000	0.0	0	0.0	OK
17.001	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	76	77	71.689	70.380	0.116	11.603	0.9	0.31	22.1	OK
1.016	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	77	78	71.251	69.633	0.337	580.896	3.6	0.17	863.2	OK
1.017	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	78	104	70.276	68.666	0.357	580.570	3.3	0.17	837.8	OK
18.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	79	80	76.040	74.375	0.000	0.000	0.0	0	0.0	OK
18.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	80	81	75.754	74.100	0.000	0.000	0.0	0	0.0	OK
18.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	81	82	75.460	73.810	0.000	0.000	0.0	0	0.0	OK
18.003	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	82	83	75.152	73.500	0.000	0.000	0.0	0	0.0	OK
18.004	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	83	84	74.975	73.290	0.000	0.000	0.0	0	0.0	OK
18.005	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	84	85	74.723	73.070	0.000	0.000	0.0	0	0.0	OK
18.006	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	85	86	74.467	72.815	0.000	0.000	0.0	0	0.0	OK
18.007	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	86	87	74.053	72.400	0.000	0.000	0.0	0	0.0	OK
18.008	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	87	88	73.721	72.070	0.000	0.000	0.0	0	0.0	OK
18.009	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	88	90	73.680	71.960	0.000	0.000	0.0	0	0.0	OK
19.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	89	90	74.263	72.910	0.000	0.000	0.0	0	0.0	OK

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18.010	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	90	91	73.151	71.500	0.000	0.000	0.0	0	0.0	OK
18.011	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	91	92	72.895	71.120	0.000	0.000	0.0	0	0.0	OK
18.012	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	92	94	72.803	69.916	0.258	55.867	1.2	0.65	115.2	OK
20.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	93	94	71.379	69.951	0.099	8.243	0.8	0.22	16.3	OK
18.013	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	94	99	72.470	69.613	0.366	72.793	0.7	0.25	141.9	OK
21.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	95	96	75.749	73.950	0.074	6.021	1.0	0.23	11.9	OK
21.001	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	96	97	76.014	73.494	0.134	12.369	0.8	0.28	24.5	OK
21.002	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	97	98	75.389	73.295	0.155	29.341	1.5	0.5	55.3	OK
21.003	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	98	98 (1)	74.418	72.703	0.138	56.362	2.7	0.23	111.6	OK
21.004	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	98 (1)	99	73.719	71.953	0.110	56.314	3.6	0.13	108.2	OK
18.014	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	99	100	73.002	69.589	0.369	128.924	1.1	0.41	234.4	OK
18.015	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	100	101	73.097	69.515	0.344	128.739	1.1	0.39	220.7	OK
18.016	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	101	102	72.977	69.444	0.281	138.828	1.4	0.36	199.5	OK
18.017	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	102	103	73.436	69.098	0.277	136.850	1.6	0.28	220.9	OK
18.018	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	103	104	70.136	68.445	0.279	133.323	1.6	0.28	237.3	OK
1.018	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	104	105	69.511	67.963	0.422	713.360	3.4	0.19	1015.3	OK
1.019	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	105	106	69.062	67.549	0.561	712.981	0.6	0.03	1044.5	OK
1.020	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	106	116	68.798	67.528	0.477	699.002	0.8	0.06	1160.3	OK
22.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	107	108	72.336	70.986	0.000	0.000	0.0	0	0.0	OK
22.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	108	109	71.973	70.623	0.000	0.000	0.0	0	0.0	OK
22.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	109	110	71.769	70.419	0.000	0.000	0.0	0	0.0	OK
22.003	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	110	115	71.297	69.947	0.000	0.000	0.0	0	0.0	OK
23.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	111	112	70.550	69.200	0.000	0.000	0.0	0	0.0	OK
23.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	112	114	70.529	69.134	0.000	0.000	0.0	0	0.0	OK
24.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	113	114	69.769	68.419	0.000	0.000	0.0	0	0.0	OK
23.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	114	115	69.744	68.185	0.000	0.000	0.0	0	0.0	OK
22.004	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	115	116	69.235	67.518	0.250	58.325	2.2	0.21	125.7	OK
1.021	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	116	125	68.460	67.119	0.516	727.457	0.7	0.06	1255.1	OK
25.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	117	118	71.628	70.278	0.000	0.000	0.0	0	0.0	OK
25.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	118	119	71.199	69.843	0.000	0.000	0.0	0	0.0	OK
25.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	119	120	69.991	68.641	0.000	0.000	0.0	0	0.0	OK

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25.003	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	120	121	69.688	68.338	0.000	0.000	0.0	0	0.0	OK
25.004	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	121	122	69.467	68.117	0.000	0.000	0.0	0	0.0	OK
25.005	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	122	123	69.283	67.933	0.000	0.000	0.0	0	0.0	OK
25.006	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	123	124	69.035	67.684	0.000	0.000	0.0	0	0.0	OK
25.007	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	124	125	68.589	67.166	0.219	48.979	2.6	0.29	104.6	OK
1.022	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	125	126	68.106	66.838	0.496	758.408	1.1	0.05	1303.3	OK
1.023	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	126	127	67.448	66.186	0.436	746.514	4.2	0.45	1289.1	OK
1.024	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	127	161	65.541	64.161	0.329	743.231	6.1	0.38	1279.1	OK
26.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	128	129	69.363	68.013	0.000	0.000	0.0	0	0.0	OK
26.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	129	130	68.559	67.208	0.000	0.000	0.0	0	0.0	OK
26.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	130	131	67.923	66.572	0.000	0.000	0.0	0	0.0	OK
26.003	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	131	132	67.296	65.945	0.000	0.000	0.0	0	0.0	OK
26.004	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	132	133	66.232	64.823	0.097	24.347	2.5	0.22	50.5	OK
26.005	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	133	161	65.321	62.732	0.199	24.215	1.9	0.55	48.9	OK
27.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	134	135	75.790	74.421	0.058	6.772	1.7	0.13	14.3	OK
27.001	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	135	138	74.491	72.933	0.058	6.766	1.7	0.15	13.7	OK
28.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	136	137	74.599	73.249	0.000	0.000	0.0	0	0.0	OK
28.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	137	138	74.262	72.912	0.000	0.000	0.0	0	0.0	OK
27.002	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	138	139	73.766	72.253	0.053	6.763	1.9	0.12	13.3	OK
27.003	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	139	140	72.723	71.208	0.052	6.757	1.8	0.12	12.8	OK
27.004	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	140	143	71.220	69.705	0.054	6.747	1.7	0.11	12.3	OK
29.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	141	142	71.000	69.650	0.000	0.000	0.0	0	0.0	OK
29.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	142	143	70.677	69.325	0.000	0.000	0.0	0	0.0	OK
27.005	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	143	148	70.496	68.983	0.053	6.741	1.6	0.13	11.6	OK
30.000	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	144	145	72.961	71.611	0.000	0.000	0.0	0	0.0	OK
30.001	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	145	146	71.342	69.992	0.000	0.000	0.0	0	0.0	OK
30.002	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	146	147	70.546	69.196	0.000	0.000	0.0	0	0.0	OK
30.003	FEH 2013: 2 years: +0 %: 15 mins: Summer	Pipe	147	148	69.926	68.576	0.000	0.000	0.0	0	0.0	OK
27.006	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	148	149	68.914	67.397	0.050	6.707	1.6	0.11	10.5	OK
27.007	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	149	159	68.086	66.285	0.209	123.030	3.2	0.29	257.8	OK
31.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-01	HD-02	82.545	81.232	0.036	2.056	1.2	0.13	4.1	OK

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31.001	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-02	HD-04	80.734	79.562	0.018	2.022	0.3	0	3.4	OK
32.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-03	HD-04	80.650	79.347	0.047	2.314	1.0	0.2	4.8	OK
31.002	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-04	HD-06	79.932	78.686	0.025	4.258	0.4	0	6.6	OK
33.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-05	HD-06	78.926	77.813	0.037	2.345	1.5	0.13	4.9	OK
31.003	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-06	HD-07	78.599	76.774	0.064	6.600	0.2	0	11.3	OK
31.004	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-07	HD-08	78.348	76.583	0.048	6.490	1.5	0.05	10.8	OK
31.005	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-08	HD-12	77.529	75.655	0.056	7.855	1.4	0.06	13.2	OK
34.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-09	HD-12	77.266	75.516	0.025	1.186	1.3	0.06	2.5	OK
35.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-10	HD-11	77.946	76.194	0.028	0.697	0.6	0.05	1.4	OK
35.001	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-11	HD-12	77.438	75.697	0.034	2.209	1.5	0.11	4.5	OK
31.006	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-12	HD-14	77.087	74.859	0.100	11.232	1.0	0.09	19.7	OK
36.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-13	HD-14	77.175	75.432	0.032	1.872	1.4	0.1	3.9	OK
31.007	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-14	HD-15	76.334	74.547	0.129	14.299	0.9	0.39	24.9	OK
31.008	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-15	HD-17	76.090	74.243	0.163	14.375	0.2	0	23.2	OK
37.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-16	HD-17	75.800	74.486	0.035	1.353	0.9	0.12	2.8	OK
31.009	FEH 2013: 2 years: +0 %: 30 mins: Winter	Trapezoidal Channel	HD-17	HD-18	75.556	73.915	0.061	17.812	0.5	0	21.8	OK
31.010	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-18	HD-20	75.274	73.637	0.056	12.918	0.5	0	22.6	OK
38.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-19	HD-20	74.600	73.294	0.043	1.673	0.8	0.17	3.4	OK
31.011	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-20	HD-21	74.575	72.773	0.137	14.630	0.2	0	25.2	OK
31.012	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-21	HD-23	73.409	71.767	0.058	11.966	0.6	0	27.2	OK
39.000	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-22	HD-23	73.046	71.949	0.052	2.323	0.9	0.25	4.8	OK
31.013	FEH 2013: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-23	HD-24	73.069	71.427	0.056	13.948	0.6	0	27.3	OK
31.014	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	HD-24	157	71.026	68.561	0.069	13.890	1.6	0.04	26.9	OK
31.015	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	157	158	69.750	67.789	0.060	13.775	1.9	0.03	25.9	OK
31.016	FEH 2013: 2 years: +0 %: 30 mins: Winter	Pipe	158	159	69.305	67.337	0.057	20.541	1.9	0.03	24.3	OK
27.008	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	159	160	67.513	65.590	0.174	136.216	3.6	0.18	247.7	OK
27.009	FEH 2013: 2 years: +0 %: 15 mins: Winter	Pipe	160	161	65.183	62.875	0.207	136.079	3.1	0.49	240.3	OK
1.025	FEH 2013: 2 years: +0 %: 360 mins: Winter	Pipe	161	162	64.650	62.992	0.238	2737.398	1.6	0.44	150.7	Surcharg ed
1.026	FEH 2013: 2 years: +0 %: 360 mins: Winter	Pipe	162	163	64.650	62.453	0.279	2736.942	1.5	0.21	150.7	OK
1.027	FEH 2013: 2 years: +0 %: 360 mins: Winter	Pipe	163	164	64.080	62.363	0.179	2736.354	4.4	0.88	150.7	Surcharg ed

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FEH 2013: 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
1.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	1	2	79.689	77.863	0.000	0.000	0.0	0	0.0	OK
1.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	2	3	78.424	76.866	0.000	0.000	0.0	0	0.0	OK
1.002	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	3	5	77.479	75.872	0.310	170.221	2.3	0.29	363.1	OK
2.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	4	5	78.440	77.090	0.000	0.000	0.0	0	0.0	OK
1.003	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	5	6	77.337	75.493	0.329	170.183	2.0	0.37	351.6	OK
1.004	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	6	9	77.046	75.149	0.349	170.073	1.8	0.35	338.0	OK
3.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	7	8	77.917	76.567	0.000	0.000	0.0	0	0.0	OK
3.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	8	9	77.027	75.676	0.000	0.000	0.0	0	0.0	OK
1.005	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	9	22	76.766	74.898	0.415	264.577	2.4	0.48	521.1	OK
4.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	10	11	78.678	77.175	0.000	0.000	0.0	0	0.0	OK
4.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	11	12	78.490	76.980	0.000	0.000	0.0	0	0.0	OK
4.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	12	14	78.054	76.495	0.000	0.000	0.0	0	0.0	OK
5.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	13	14	77.228	76.025	0.000	0.000	0.0	0	0.0	OK
4.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	14	15	77.450	75.785	0.000	0.000	0.0	0	0.0	OK
4.004	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	15	16	76.989	75.520	0.000	0.000	0.0	0	0.0	OK
4.005	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	16	17	77.207	75.315	0.000	0.000	0.0	0	0.0	OK
4.006	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	17	18	77.119	75.240	0.000	0.000	0.0	0	0.0	OK
4.007	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	18	19	76.972	75.055	0.000	0.000	0.0	0	0.0	OK
4.008	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	19	20	76.864	74.940	0.000	0.000	0.0	0	0.0	OK
4.009	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	20	21	76.591	74.660	0.000	0.000	0.0	0	0.0	OK
4.010	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	21	22	76.440	74.515	0.000	0.000	0.0	0	0.0	OK
1.006	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	22	28	76.164	74.174	0.643	410.476	1.7	0.88	805.8	OK
6.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	23	25	78.043	76.693	0.000	0.000	0.0	0	0.0	OK
7.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	24	25	78.010	76.660	0.000	0.000	0.0	0	0.0	OK
6.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	25	27	77.632	76.249	0.000	0.000	0.0	0	0.0	OK
8.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	26	27	77.405	76.055	0.000	0.000	0.0	0	0.0	OK

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6.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	27	28	77.033	75.618	0.000	0.000	0.0	0	0.0	OK
1.007	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	28	29	76.047	74.056	0.546	410.228	2.0	0.77	790.4	OK
1.008	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	29	30	75.813	73.904	0.568	410.145	1.9	0.33	778.8	OK
1.009	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	30	31	75.514	73.747	0.658	569.179	2.3	0.49	1086.5	OK
1.010	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	31	34	75.276	73.549	0.838	568.676	1.7	0.37	1026.6	OK
9.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	40	41	76.783	75.180	0.211	38.338	1.5	0.7	80.8	OK
9.001	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	41	42	76.354	74.766	0.294	61.468	1.3	0.85	125.2	OK
9.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	42	43	76.170	74.525	0.347	62.810	1.0	0.6	125.0	OK
9.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	43	44	76.422	74.489	0.496	103.664	0.9	0.65	184.2	OK
9.004	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	44	61	76.697	74.463	0.525	115.125	1.1	0.73	187.9	Surcharg ed
10.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	45	46	81.794	80.400	0.000	0.000	0.0	0	0.0	OK
10.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	46	47	80.472	78.369	0.000	0.000	0.0	0	0.0	OK
10.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	47	48	80.158	77.876	0.000	0.000	0.0	0	0.0	OK
10.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	48	49	79.941	77.588	0.000	0.000	0.0	0	0.0	OK
10.004	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	49	50	79.769	77.488	0.000	0.000	0.0	0	0.0	OK
10.005	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	50	51	79.545	77.378	0.017	0.000	0.0	0	0.0	OK
10.006	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	51	54	78.457	76.871	0.347	115.872	1.8	0.74	243.3	OK
11.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	52	53	78.832	77.431	0.000	0.000	0.0	0	0.0	OK
11.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	53	54	78.488	77.096	0.016	0.000	0.0	0	0.0	OK
10.007	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	54	59	77.955	76.613	0.335	115.826	1.9	0.6	236.0	OK
12.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	55	56	79.071	77.721	0.000	0.000	0.0	0	0.0	OK
12.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	56	57	78.364	77.008	0.000	0.000	0.0	0	0.0	OK
12.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	57	58	78.259	76.895	0.000	0.000	0.0	0	0.0	OK
12.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	58	59	77.973	76.568	0.006	0.000	0.0	0	0.0	OK
10.008	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	59	60	77.884	76.479	0.299	115.796	2.1	0.69	230.4	OK
10.009	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	60	61	77.669	76.171	0.428	221.320	3.0	0.46	455.1	OK
9.005	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	61	63	76.907	74.481	0.750	370.749	1.5	1.15	646.2	Surcharg ed
9.006	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	63	32	77.234	74.285	0.670	391.290	1.6	1.22	668.6	OK
9.007	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	32	33	76.821	74.095	0.498	425.775	2.3	1.28	708.1	OK
9.008	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	33	34	75.753	73.771	0.619	456.752	2.2	0.45	749.2	OK
1.011	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	34	38	74.888	73.486	0.926	1062.682	2.5	1.63	1801.8	Surcharg ed

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13.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	35	36	75.385	73.823	0.119	13.203	1.3	0.51	27.9	OK
13.001	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	36	37	75.176	73.606	0.147	13.189	1.0	0.51	27.0	OK
13.002	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	37	38	74.934	73.424	0.168	18.447	1.1	0.87	35.2	OK
1.012	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	38	39	74.764	72.993	0.667	1088.000	3.2	0.53	1830.1	OK
1.013	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	39	68	74.367	72.585	0.583	1087.497	3.6	0.5	1786.9	OK
14.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	64	65	75.829	74.200	0.000	0.000	0.0	0	0.0	OK
14.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	65	66	74.921	73.320	0.050	0.000	0.0	0	0.0	OK
14.002	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	66	67	74.021	72.688	0.150	0.045	0.5	0.04	0.8	OK
14.003	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	67	68	73.825	72.795	0.375	107.772	2.0	1.65	216.5	Surcharged
1.014	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	68	74	73.309	71.895	0.609	1194.630	3.7	0.41	1939.1	OK
15.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	69	70	74.413	72.130	0.000	0.000	0.0	0	0.0	OK
15.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	70	71	72.878	71.670	0.000	0.000	0.0	0	0.0	OK
15.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	71	72	72.301	71.090	0.065	0.000	0.0	0	0.0	OK
15.003	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	72	74	71.987	70.939	0.326	68.308	1.3	1.17	137.0	Surcharged
16.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	73	74	71.742	70.540	0.239	55.621	1.1	0.29	117.0	OK
1.015	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	74	77	71.732	70.462	0.639	1318.455	3.8	0.49	2109.2	OK
17.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	75	76	72.087	70.845	0.022	0.000	0.0	0	0.0	OK
17.001	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	76	77	71.689	70.461	0.188	26.774	1.1	0.71	51.0	OK
1.016	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	77	78	71.251	69.896	0.609	1344.865	4.1	0.42	2112.8	OK
1.017	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	78	104	70.276	68.947	0.646	1344.453	3.7	0.42	2048.6	OK
18.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	79	80	76.040	74.375	0.000	0.000	0.0	0	0.0	OK
18.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	80	81	75.754	74.100	0.000	0.000	0.0	0	0.0	OK
18.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	81	82	75.460	73.810	0.000	0.000	0.0	0	0.0	OK
18.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	82	83	75.152	73.500	0.000	0.000	0.0	0	0.0	OK
18.004	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	83	84	74.975	73.290	0.000	0.000	0.0	0	0.0	OK
18.005	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	84	85	74.723	73.070	0.000	0.000	0.0	0	0.0	OK
18.006	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	85	86	74.467	72.815	0.000	0.000	0.0	0	0.0	OK
18.007	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	86	87	74.053	72.400	0.000	0.000	0.0	0	0.0	OK
18.008	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	87	88	73.721	72.070	0.000	0.000	0.0	0	0.0	OK
18.009	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	88	90	73.680	71.960	0.000	0.000	0.0	0	0.0	OK
19.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	89	90	74.263	72.910	0.000	0.000	0.0	0	0.0	OK

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18.010	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	90	91	73.151	71.500	0.000	0.000	0.0	0	0.0	OK
18.011	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	91	92	72.895	71.120	0.121	0.000	0.0	0	0.0	OK
18.012	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	92	94	72.803	70.229	0.450	127.958	1.7	1.54	273.5	Surcharg ed
20.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	93	94	71.379	70.016	0.188	18.816	0.9	0.56	40.6	OK
18.013	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	94	99	72.470	69.921	0.670	167.274	0.8	0.59	331.0	OK
21.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	95	96	75.749	73.998	0.121	13.722	1.3	0.54	27.9	OK
21.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	96	97	76.014	73.558	0.252	25.465	0.9	0.63	54.4	OK
21.002	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	97	98	75.389	73.560	0.300	67.693	1.7	1.08	118.6	Surcharg ed
21.003	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	98	98 (1)	74.418	72.803	0.213	129.987	3.3	0.52	248.2	OK
21.004	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	98 (1)	99	73.719	72.005	0.234	129.657	3.6	0.29	245.0	OK
18.014	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	99	100	73.002	69.889	0.656	296.753	1.3	0.96	545.9	OK
18.015	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	100	101	73.097	69.788	0.606	296.525	1.4	0.92	522.0	OK
18.016	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	101	102	72.977	69.695	0.487	319.591	1.6	0.89	493.8	OK
18.017	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	102	103	73.436	69.254	0.448	317.267	1.8	0.6	478.7	OK
18.018	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	103	104	70.136	68.632	0.456	321.154	2.0	0.65	548.9	OK
1.018	FEH 2013: 30 years: +0 %: 30 mins: Winter	Pipe	104	105	69.511	68.260	0.670	2165.442	4.0	0.43	2322.2	OK
1.019	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	105	106	69.062	67.782	0.792	1657.316	0.8	0.06	2341.2	OK
1.020	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	106	116	68.798	67.757	0.709	1643.395	0.9	0.14	2586.2	OK
22.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	107	108	72.336	70.986	0.000	0.000	0.0	0	0.0	OK
22.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	108	109	71.973	70.623	0.000	0.000	0.0	0	0.0	OK
22.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	109	110	71.769	70.419	0.000	0.000	0.0	0	0.0	OK
22.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	110	115	71.297	69.947	0.000	0.000	0.0	0	0.0	OK
23.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	111	112	70.550	69.200	0.000	0.000	0.0	0	0.0	OK
23.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	112	114	70.529	69.134	0.000	0.000	0.0	0	0.0	OK
24.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	113	114	69.769	68.419	0.000	0.000	0.0	0	0.0	OK
23.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	114	115	69.744	68.185	0.000	0.000	0.0	0	0.0	OK
22.004	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	115	116	69.235	67.642	0.386	134.542	2.4	0.5	290.1	OK
1.021	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	116	125	68.460	67.353	0.748	1732.375	0.9	0.12	2826.2	OK
25.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	117	118	71.628	70.278	0.000	0.000	0.0	0	0.0	OK
25.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	118	119	71.199	69.843	0.000	0.000	0.0	0	0.0	OK
25.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	119	120	69.991	68.641	0.000	0.000	0.0	0	0.0	OK

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25.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	120	121	69.688	68.338	0.000	0.000	0.0	0	0.0	OK
25.004	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	121	122	69.467	68.117	0.000	0.000	0.0	0	0.0	OK
25.005	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	122	123	69.283	67.933	0.000	0.000	0.0	0	0.0	OK
25.006	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	123	124	69.035	67.684	0.020	0.000	0.0	0	0.0	OK
25.007	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	124	125	68.589	67.296	0.352	112.867	2.3	0.67	240.5	OK
1.022	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	125	126	68.106	67.068	0.809	1825.019	1.1	0.12	3038.0	OK
1.023	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	126	127	67.448	66.583	0.883	1809.052	4.8	1.05	3040.8	OK
1.024	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	127	161	65.541	64.658	0.671	1805.994	5.9	0.89	2993.9	Surcharg ed
26.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	128	129	69.363	68.013	0.000	0.000	0.0	0	0.0	OK
26.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	129	130	68.559	67.208	0.000	0.000	0.0	0	0.0	OK
26.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	130	131	67.923	66.572	0.000	0.000	0.0	0	0.0	OK
26.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	131	132	67.296	65.945	0.003	0.000	0.0	0	0.0	OK
26.004	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	132	133	66.232	64.881	0.182	55.603	2.7	0.53	121.4	OK
26.005	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	133	161	65.321	63.004	0.300	52.971	2.0	1.17	104.5	Surcharg ed
27.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	134	135	75.790	74.452	0.092	15.612	2.2	0.31	33.1	OK
27.001	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	135	138	74.491	72.969	0.091	15.604	2.1	0.35	32.0	OK
28.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	136	137	74.599	73.249	0.000	0.000	0.0	0	0.0	OK
28.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	137	138	74.262	72.912	0.004	0.000	0.0	0	0.0	OK
27.002	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	138	139	73.766	72.284	0.084	15.600	2.3	0.28	31.1	OK
27.003	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	139	140	72.723	71.238	0.083	15.594	2.3	0.27	30.2	OK
27.004	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	140	143	71.220	69.737	0.086	15.581	2.1	0.27	29.3	OK
29.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	141	142	71.000	69.650	0.000	0.000	0.0	0	0.0	OK
29.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	142	143	70.677	69.325	0.005	0.000	0.0	0	0.0	OK
27.005	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	143	148	70.496	69.016	0.085	15.576	2.0	0.3	28.0	OK
30.000	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	144	145	72.961	71.611	0.000	0.000	0.0	0	0.0	OK
30.001	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	145	146	71.342	69.992	0.000	0.000	0.0	0	0.0	OK
30.002	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	146	147	70.546	69.196	0.000	0.000	0.0	0	0.0	OK
30.003	FEH 2013: 30 years: +0 %: 15 mins: Summer	Pipe	147	148	69.926	68.576	0.002	0.000	0.0	0	0.0	OK
27.006	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	148	149	68.914	67.428	0.091	15.560	1.8	0.28	27.2	OK
27.007	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	149	159	68.086	66.460	0.357	283.685	3.8	0.68	596.1	OK
31.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-01	HD-02	82.545	81.252	0.057	4.744	1.6	0.3	9.7	OK

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31.001	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-02	HD-04	80.734	79.576	0.031	4.706	0.4	0	8.6	OK
32.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-03	HD-04	80.650	79.377	0.074	5.338	1.3	0.47	11.1	OK
31.002	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-04	HD-06	79.932	78.706	0.044	9.955	0.5	0	17.0	OK
33.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-05	HD-06	78.926	77.835	0.057	5.409	1.8	0.3	11.4	OK
31.003	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-06	HD-07	78.599	76.797	0.089	15.361	0.4	0	28.2	OK
31.004	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-07	HD-08	78.348	76.610	0.077	15.246	1.9	0.13	27.4	OK
31.005	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-08	HD-12	77.529	75.684	0.094	18.410	1.8	0.16	33.2	OK
34.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-09	HD-12	77.266	75.530	0.038	2.738	1.6	0.14	5.8	OK
35.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-10	HD-11	77.946	76.205	0.044	1.602	0.8	0.11	3.4	OK
35.001	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-11	HD-12	77.438	75.716	0.052	5.095	1.9	0.25	10.6	OK
31.006	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-12	HD-14	77.087	74.904	0.172	26.222	1.2	0.23	48.7	OK
36.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-13	HD-14	77.175	75.449	0.068	4.314	1.3	0.23	9.2	OK
31.007	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-14	HD-15	76.334	74.646	0.215	33.349	1.1	0.96	61.5	OK
31.008	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-15	HD-17	76.090	74.283	0.208	33.442	0.2	0	58.5	OK
37.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-16	HD-17	75.800	74.506	0.055	3.118	1.1	0.28	6.5	OK
31.009	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-17	HD-18	75.556	73.961	0.102	33.950	0.7	0	59.8	OK
31.010	FEH 2013: 30 years: +0 %: 30 mins: Winter	Trapezoidal Channel	HD-18	HD-20	75.274	73.671	0.088	45.103	0.7	0	51.5	OK
38.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-19	HD-20	74.600	73.320	0.068	3.855	1.0	0.4	8.0	OK
31.011	FEH 2013: 30 years: +0 %: 30 mins: Winter	Trapezoidal Channel	HD-20	HD-21	74.575	72.805	0.167	50.219	0.3	0	56.8	OK
31.012	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-21	HD-23	73.409	71.796	0.091	34.703	0.7	0	57.4	OK
39.000	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-22	HD-23	73.046	71.983	0.084	5.356	1.1	0.57	11.1	OK
31.013	FEH 2013: 30 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-23	HD-24	73.069	71.464	0.095	39.786	0.8	0	68.3	OK
31.014	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	HD-24	157	71.026	68.602	0.112	39.722	2.1	0.11	69.6	OK
31.015	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	157	158	69.750	67.833	0.103	39.584	2.4	0.08	71.4	OK
31.016	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	158	159	69.305	67.377	0.116	39.854	2.5	0.08	71.9	OK
27.008	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	159	160	67.513	65.692	0.329	320.514	3.7	0.42	589.8	OK
27.009	FEH 2013: 30 years: +0 %: 15 mins: Winter	Pipe	160	161	65.183	63.090	0.572	312.203	3.3	1.15	559.9	OK
1.025	FEH 2013: 30 years: +0 %: 120 mins: Summer	Pipe	161	162	64.650	63.375	0.261	1836.343	1.6	0.5	171.4	Surcharg ed
1.026	FEH 2013: 30 years: +0 %: 480 mins: Summer	Pipe	162	163	64.650	62.475	0.328	5222.773	1.5	0.24	171.4	OK
1.027	FEH 2013: 30 years: +0 %: 120 mins: Summer	Pipe	163	164	64.080	62.437	0.217	1830.756	4.4	1	171.4	Surcharg ed

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FEH 2013: 100 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
1.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	1	2	79.689	77.863	0.000	0.000	0.0	0	0.0	OK
1.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	2	3	78.424	76.866	0.000	0.000	0.0	0	0.0	OK
1.002	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	3	5	77.479	75.922	0.362	213.980	2.3	0.37	456.7	OK
2.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	4	5	78.440	77.090	0.000	0.000	0.0	0	0.0	OK
1.003	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	5	6	77.337	75.549	0.387	213.935	2.1	0.47	442.1	OK
1.004	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	6	9	77.046	75.210	0.416	213.812	1.8	0.44	424.4	OK
3.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	7	8	77.917	76.567	0.000	0.000	0.0	0	0.0	OK
3.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	8	9	77.027	75.676	0.000	0.000	0.0	0	0.0	OK
1.005	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	9	22	76.766	74.970	0.520	332.303	2.5	0.6	652.7	OK
4.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	10	11	78.678	77.175	0.000	0.000	0.0	0	0.0	OK
4.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	11	12	78.490	76.980	0.000	0.000	0.0	0	0.0	OK
4.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	12	14	78.054	76.495	0.000	0.000	0.0	0	0.0	OK
5.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	13	14	77.228	76.025	0.000	0.000	0.0	0	0.0	OK
4.003	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	14	15	77.450	75.785	0.000	0.000	0.0	0	0.0	OK
4.004	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	15	16	76.989	75.520	0.000	0.000	0.0	0	0.0	OK
4.005	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	16	17	77.207	75.315	0.000	0.000	0.0	0	0.0	OK
4.006	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	17	18	77.119	75.240	0.000	0.000	0.0	0	0.0	OK
4.007	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	18	19	76.972	75.055	0.000	0.000	0.0	0	0.0	OK
4.008	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	19	20	76.864	74.940	0.000	0.000	0.0	0	0.0	OK
4.009	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	20	21	76.591	74.660	0.000	0.000	0.0	0	0.0	OK
4.010	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	21	22	76.440	74.522	0.038	0.014	0.2	0	0.1	OK
1.006	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	22	28	76.164	74.312	0.787	516.328	1.7	1.07	976.9	OK
6.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	23	25	78.043	76.693	0.000	0.000	0.0	0	0.0	OK
7.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	24	25	78.010	76.660	0.000	0.000	0.0	0	0.0	OK
6.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	25	27	77.632	76.249	0.000	0.000	0.0	0	0.0	OK
8.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	26	27	77.405	76.055	0.000	0.000	0.0	0	0.0	OK

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6.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	27	28	77.033	75.618	0.000	0.000	0.0	0	0.0	OK
1.007	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	28	29	76.047	74.207	0.709	516.116	1.8	0.9	929.5	OK
1.008	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	29	30	75.813	74.081	0.809	516.078	1.9	0.37	854.8	OK
1.009	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	30	31	75.514	74.053	0.900	715.976	2.1	0.57	1266.1	Surcharg ed
1.010	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	31	34	75.276	73.868	0.900	715.467	2.0	0.45	1243.2	Surcharg ed
9.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	40	41	76.783	75.742	0.300	48.131	1.4	0.76	88.3	Surcharg ed
9.001	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	41	42	76.354	75.411	0.375	77.243	1.2	0.84	124.7	Surcharg ed
9.002	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	42	43	76.170	75.213	0.450	88.793	1.0	0.63	132.9	Surcharg ed
9.003	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	43	44	76.422	75.118	0.525	146.278	1.1	0.86	243.3	Surcharg ed
9.004	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	44	61	76.697	75.023	0.525	162.398	1.2	1.04	265.8	Surcharg ed
10.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	45	46	81.794	80.400	0.000	0.000	0.0	0	0.0	OK
10.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	46	47	80.472	78.369	0.000	0.000	0.0	0	0.0	OK
10.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	47	48	80.158	77.876	0.000	0.000	0.0	0	0.0	OK
10.003	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	48	49	79.941	77.588	0.000	0.000	0.0	0	0.0	OK
10.004	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	49	50	79.769	77.488	0.000	0.000	0.0	0	0.0	OK
10.005	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	50	51	79.545	77.378	0.058	0.000	0.0	0	0.0	OK
10.006	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	51	54	78.457	76.982	0.442	145.637	1.9	0.91	299.2	Surcharg ed
11.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	52	53	78.832	77.431	0.000	0.000	0.0	0	0.0	OK
11.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	53	54	78.488	77.096	0.051	0.000	0.0	0	0.0	OK
10.007	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	54	59	77.955	76.693	0.404	145.616	1.9	0.74	289.5	OK
12.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	55	56	79.071	77.721	0.000	0.000	0.0	0	0.0	OK
12.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	56	57	78.364	77.008	0.000	0.000	0.0	0	0.0	OK
12.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	57	58	78.259	76.895	0.000	0.000	0.0	0	0.0	OK
12.003	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	58	59	77.973	76.568	0.033	0.000	0.0	0	0.0	OK
10.008	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	59	60	77.884	76.537	0.349	145.583	2.1	0.85	283.1	OK
10.009	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	60	61	77.669	76.208	0.525	278.135	3.2	0.57	567.9	OK
9.005	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	61	63	76.907	74.931	0.750	466.077	1.9	1.52	858.9	Surcharg ed
9.006	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	63	32	77.234	74.606	0.750	492.017	2.0	1.58	866.5	Surcharg ed
9.007	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	32	33	76.821	74.325	0.676	535.422	2.2	1.62	896.1	Surcharg ed
9.008	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	33	34	75.753	73.827	0.732	513.010	2.2	0.52	855.5	OK
1.011	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	34	38	74.888	73.683	0.975	1337.194	2.9	1.96	2173.1	Surcharg ed

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13.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	35	36	75.385	73.843	0.137	16.597	1.4	0.64	35.1	OK
13.001	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	36	37	75.176	73.622	0.183	16.577	1.0	0.64	34.1	OK
13.002	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	37	38	74.934	73.479	0.204	23.204	1.1	1.07	43.4	Surcharg ed
1.012	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	38	39	74.764	73.102	0.772	1369.070	3.3	0.64	2219.5	OK
1.013	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	39	68	74.367	72.685	0.679	1368.542	3.8	0.62	2208.6	OK
14.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	64	65	75.829	74.200	0.000	0.000	0.0	0	0.0	OK
14.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	65	66	74.921	73.320	0.150	0.000	0.0	0	0.0	OK
14.002	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	66	67	74.021	73.076	0.150	0.066	0.7	0.11	1.9	Surcharg ed
14.003	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	67	68	73.825	73.095	0.375	135.491	2.5	2.11	276.6	Surcharg ed
1.014	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	68	74	73.309	71.987	0.716	1503.337	3.8	0.51	2389.3	OK
15.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	69	70	74.413	72.130	0.000	0.000	0.0	0	0.0	OK
15.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	70	71	72.878	71.670	0.000	0.000	0.0	0	0.0	OK
15.002	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	71	72	72.301	71.095	0.150	0.004	0.2	0	0.0	OK
15.003	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	72	74	71.987	71.117	0.375	85.873	1.6	1.55	181.3	Surcharg ed
16.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	73	74	71.742	70.608	0.334	69.965	0.9	0.36	144.7	OK
1.015	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	74	77	71.732	70.584	0.752	1659.150	3.9	0.6	2601.3	OK
17.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	75	76	72.087	70.845	0.039	0.000	0.0	0	0.0	OK
17.001	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	76	77	71.689	70.499	0.217	33.659	1.2	0.89	63.6	OK
1.016	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	77	78	71.251	69.999	0.719	1692.395	4.1	0.52	2609.2	OK
1.017	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	78	104	70.276	69.063	0.767	1691.881	3.8	0.52	2551.1	OK
18.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	79	80	76.040	74.375	0.000	0.000	0.0	0	0.0	OK
18.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	80	81	75.754	74.100	0.000	0.000	0.0	0	0.0	OK
18.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	81	82	75.460	73.810	0.000	0.000	0.0	0	0.0	OK
18.003	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	82	83	75.152	73.500	0.000	0.000	0.0	0	0.0	OK
18.004	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	83	84	74.975	73.290	0.000	0.000	0.0	0	0.0	OK
18.005	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	84	85	74.723	73.070	0.000	0.000	0.0	0	0.0	OK
18.006	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	85	86	74.467	72.815	0.000	0.000	0.0	0	0.0	OK
18.007	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	86	87	74.053	72.400	0.000	0.000	0.0	0	0.0	OK
18.008	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	87	88	73.721	72.070	0.000	0.000	0.0	0	0.0	OK
18.009	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	88	90	73.680	71.960	0.000	0.000	0.0	0	0.0	OK
19.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	89	90	74.263	72.910	0.000	0.000	0.0	0	0.0	OK

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18.010	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	90	91	73.151	71.500	0.000	0.000	0.0	0	0.0	OK
18.011	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	91	92	72.895	71.120	0.150	0.000	0.0	0	0.0	OK
18.012	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	92	94	72.803	70.538	0.450	160.664	2.1	1.91	339.3	Surcharg ed
20.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	93	94	71.379	70.250	0.300	23.666	0.8	0.55	39.8	Surcharg ed
18.013	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	94	99	72.470	70.149	0.750	210.194	0.9	0.73	410.7	Surcharg ed
21.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	95	96	75.749	74.018	0.225	15.377	1.0	0.57	29.4	OK
21.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	96	97	76.014	73.955	0.300	32.095	0.8	0.65	56.4	Surcharg ed
21.002	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	97	98	75.389	73.989	0.300	85.147	2.2	1.4	154.2	Surcharg ed
21.003	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	98	98 (1)	74.418	72.852	0.250	163.459	3.5	0.67	317.5	OK
21.004	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	98 (1)	99	73.719	72.028	0.348	163.073	3.3	0.36	310.7	OK
18.014	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	99	100	73.002	70.094	0.750	373.284	1.5	1.2	681.5	Surcharg ed
18.015	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	100	101	73.097	69.947	0.750	373.064	1.5	1.16	659.8	Surcharg ed
18.016	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	101	102	72.977	69.827	0.589	401.400	1.7	1.14	630.9	OK
18.017	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	102	103	73.436	69.313	0.527	399.233	1.9	0.72	574.1	OK
18.018	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	103	104	70.136	68.732	0.558	405.178	1.9	0.79	666.5	OK
1.018	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	104	105	69.511	68.404	0.801	2087.365	4.4	0.55	2969.7	OK
1.019	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	105	106	69.062	67.866	0.876	2087.156	0.9	0.07	3023.6	OK
1.020	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	106	116	68.798	67.840	0.789	2072.969	1.0	0.17	3254.8	OK
22.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	107	108	72.336	70.986	0.000	0.000	0.0	0	0.0	OK
22.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	108	109	71.973	70.623	0.000	0.000	0.0	0	0.0	OK
22.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	109	110	71.769	70.419	0.000	0.000	0.0	0	0.0	OK
22.003	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	110	115	71.297	69.947	0.005	0.000	0.0	0	0.0	OK
23.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	111	112	70.550	69.200	0.000	0.000	0.0	0	0.0	OK
23.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	112	114	70.529	69.134	0.000	0.000	0.0	0	0.0	OK
24.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	113	114	69.769	68.419	0.000	0.000	0.0	0	0.0	OK
23.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	114	115	69.744	68.185	0.005	0.000	0.0	0	0.0	OK
22.004	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	115	116	69.235	67.665	0.437	169.063	2.6	0.63	370.5	OK
1.021	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	116	125	68.460	67.431	0.838	2192.335	1.0	0.16	3515.7	OK
25.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	117	118	71.628	70.278	0.000	0.000	0.0	0	0.0	OK
25.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	118	119	71.199	69.843	0.000	0.000	0.0	0	0.0	OK
25.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	119	120	69.991	68.641	0.000	0.000	0.0	0	0.0	OK

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25.003	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	120	121	69.688	68.338	0.000	0.000	0.0	0	0.0	OK
25.004	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	121	122	69.467	68.117	0.000	0.000	0.0	0	0.0	OK
25.005	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	122	123	69.283	67.933	0.000	0.000	0.0	0	0.0	OK
25.006	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	123	124	69.035	67.684	0.057	0.000	0.0	0	0.0	OK
25.007	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	124	125	68.589	67.457	0.375	141.903	2.6	0.8	290.1	Surcharg ed
1.022	FEH 2013: 100 years: +0 %: 15 mins: Summer	Trapezoidal Channel	125	126	68.106	67.115	1.016	2060.381	1.1	0.14	3508.7	OK
1.023	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	126	127	67.448	67.102	0.900	2294.230	5.0	1.1	3192.3	Surcharg ed
1.024	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	127	161	65.541	64.754	0.847	2290.495	5.7	0.95	3189.8	Surcharg ed
26.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	128	129	69.363	68.013	0.000	0.000	0.0	0	0.0	OK
26.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	129	130	68.559	67.208	0.000	0.000	0.0	0	0.0	OK
26.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	130	131	67.923	66.572	0.000	0.000	0.0	0	0.0	OK
26.003	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	131	132	67.296	65.945	0.012	0.000	0.0	0	0.0	OK
26.004	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	132	133	66.232	64.905	0.300	69.705	2.4	0.66	150.6	OK
26.005	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	133	161	65.321	63.341	0.300	66.368	2.1	1.53	137.1	Surcharg ed
27.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	134	135	75.790	74.465	0.106	19.629	2.3	0.39	41.7	OK
27.001	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	135	138	74.491	72.984	0.105	19.621	2.2	0.44	40.3	OK
28.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	136	137	74.599	73.249	0.000	0.000	0.0	0	0.0	OK
28.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	137	138	74.262	72.912	0.010	0.000	0.0	0	0.0	OK
27.002	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	138	139	73.766	72.296	0.095	19.616	2.4	0.35	39.2	OK
27.003	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	139	140	72.723	71.249	0.095	19.609	2.4	0.34	38.1	OK
27.004	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	140	143	71.220	69.749	0.098	19.595	2.2	0.34	37.0	OK
29.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	141	142	71.000	69.650	0.000	0.000	0.0	0	0.0	OK
29.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	142	143	70.677	69.325	0.011	0.000	0.0	0	0.0	OK
27.005	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	143	148	70.496	69.029	0.096	19.591	2.2	0.38	35.4	OK
30.000	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	144	145	72.961	71.611	0.000	0.000	0.0	0	0.0	OK
30.001	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	145	146	71.342	69.992	0.000	0.000	0.0	0	0.0	OK
30.002	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	146	147	70.546	69.196	0.000	0.000	0.0	0	0.0	OK
30.003	FEH 2013: 100 years: +0 %: 15 mins: Summer	Pipe	147	148	69.926	68.576	0.007	0.000	0.0	0	0.0	OK
27.006	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	148	149	68.914	67.438	0.150	19.645	1.9	0.35	33.6	OK
27.007	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	149	159	68.086	66.569	0.438	356.655	3.8	0.84	740.5	OK
31.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-01	HD-02	82.545	81.260	0.065	5.961	1.7	0.38	12.2	OK

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31.001	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-02	HD-04	80.734	79.581	0.035	5.921	0.4	0	10.9	OK
32.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-03	HD-04	80.650	79.389	0.086	6.711	1.3	0.59	14.0	OK
31.002	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-04	HD-06	79.932	78.713	0.051	12.540	0.6	0	21.9	OK
33.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-05	HD-06	78.926	77.843	0.065	6.800	1.9	0.38	14.4	OK
31.003	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-06	HD-07	78.599	76.806	0.098	19.336	0.4	0	36.0	OK
31.004	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-07	HD-08	78.348	76.620	0.087	19.219	2.0	0.17	35.1	OK
31.005	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-08	HD-12	77.529	75.696	0.107	23.204	1.9	0.2	42.4	OK
34.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-09	HD-12	77.266	75.535	0.043	3.443	1.7	0.17	7.3	OK
35.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-10	HD-11	77.946	76.210	0.050	2.016	0.8	0.15	4.2	OK
35.001	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-11	HD-12	77.438	75.724	0.059	6.405	2.1	0.32	13.3	OK
31.006	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-12	HD-14	77.087	74.918	0.201	33.029	1.2	0.3	62.2	OK
36.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-13	HD-14	77.175	75.455	0.094	5.427	1.4	0.29	11.6	OK
31.007	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-14	HD-15	76.334	74.691	0.250	41.997	1.2	1.21	77.9	OK
31.008	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-15	HD-17	76.090	74.297	0.222	42.097	0.3	0	74.6	OK
37.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-16	HD-17	75.800	74.514	0.062	3.921	1.2	0.35	8.2	OK
31.009	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-17	HD-18	75.556	73.975	0.116	43.398	0.7	0	76.8	OK
31.010	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-18	HD-20	75.274	73.686	0.103	43.098	0.7	0	67.7	OK
38.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-19	HD-20	74.600	73.330	0.078	4.850	1.1	0.51	10.1	OK
31.011	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-20	HD-21	74.575	72.817	0.176	48.023	0.4	0	72.7	OK
31.012	FEH 2013: 100 years: +0 %: 30 mins: Winter	Trapezoidal Channel	HD-21	HD-23	73.409	71.807	0.101	61.895	0.8	0	72.1	OK
39.000	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-22	HD-23	73.046	71.998	0.098	6.729	1.1	0.72	13.9	OK
31.013	FEH 2013: 100 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-23	HD-24	73.069	71.475	0.106	51.558	0.9	0	84.0	OK
31.014	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	HD-24	157	71.026	68.615	0.124	51.492	2.2	0.13	85.6	OK
31.015	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	157	158	69.750	67.846	0.114	51.347	2.5	0.1	88.0	OK
31.016	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	158	159	69.305	67.387	0.141	51.615	2.5	0.09	89.7	OK
27.008	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	159	160	67.513	65.726	0.448	404.785	3.4	0.53	740.0	OK
27.009	FEH 2013: 100 years: +0 %: 15 mins: Winter	Pipe	160	161	65.183	63.293	0.600	392.451	3.2	1.44	699.0	Surcharg ed
1.025	FEH 2013: 100 years: +0 %: 960 mins: Winter	Pipe	161	162	64.650	63.525	0.261	8571.878	1.6	0.5	171.4	Surcharg ed
1.026	FEH 2013: 100 years: +0 %: 960 mins: Winter	Pipe	162	163	64.650	62.475	0.328	8571.684	1.5	0.24	171.4	OK
1.027	FEH 2013: 100 years: +0 %: 30 mins: Winter	Pipe	163	164	64.080	62.437	0.217	398.031	4.1	1	171.4	Surcharg ed

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FEH 2013: 100 years: Increase Rainfall (%): +40: 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
1.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	1	2	79.689	77.863	0.000	0.000	0.0	0	0.0	OK
1.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	2	3	78.424	76.874	0.008	0.017	0.3	0.01	0.1	OK
1.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	3	5	77.479	76.031	0.594	299.676	2.0	0.53	654.0	OK
2.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	4	5	78.440	77.090	0.000	0.000	0.0	0	0.0	OK
1.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	5	6	77.337	75.636	0.598	267.839	1.9	0.67	628.0	OK
1.004	FEH 2013: 100 years: +40 %: 30 mins: Winter	Pipe	6	9	77.046	75.189	0.390	392.584	2.1	0.44	425.5	OK
3.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	7	8	77.917	76.567	0.005	0.000	0.0	0	0.0	OK
3.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	8	9	77.027	75.696	0.150	0.086	0.8	0.03	0.9	OK
1.005	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	9	22	76.766	75.689	0.675	466.676	2.3	0.65	711.5	Surcharg ed
4.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	10	11	78.678	77.175	0.000	0.000	0.0	0	0.0	OK
4.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	11	12	78.490	76.980	0.000	0.000	0.0	0	0.0	OK
4.002	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	12	14	78.054	76.495	0.000	0.000	0.0	0	0.0	OK
5.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	13	14	77.228	76.025	0.000	0.000	0.0	0	0.0	OK
4.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	14	15	77.450	75.785	0.000	0.000	0.0	0	0.0	OK
4.004	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	15	16	76.989	75.520	0.000	0.000	0.0	0	0.0	OK
4.005	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	16	17	77.207	75.327	0.017	0.000	0.2	0.01	0.3	OK
4.006	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	17	18	77.119	75.262	0.049	0.019	0.2	0.05	0.9	OK
4.007	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	18	19	76.972	75.132	0.118	0.017	0.5	0.45	8.1	OK
4.008	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	19	20	76.864	75.098	0.150	0.076	0.7	0.72	12.7	Surcharg ed
4.009	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	20	21	76.591	74.936	0.150	0.059	1.0	0.94	16.9	Surcharg ed
4.010	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	21	22	76.440	74.954	0.150	0.433	1.2	1.21	21.7	Surcharg ed
1.006	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	22	28	76.164	75.459	0.900	725.189	1.9	1.34	1223.2	Surcharg ed
6.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	23	25	78.043	76.693	0.000	0.000	0.0	0	0.0	OK
7.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	24	25	78.010	76.660	0.000	0.000	0.0	0	0.0	OK
6.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	25	27	77.632	76.249	0.000	0.000	0.0	0	0.0	OK
8.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	26	27	77.405	76.055	0.000	0.000	0.0	0	0.0	OK

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6.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	27	28	77.033	75.628	0.150	0.020	0.4	0.01	0.2	OK
1.007	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	28	29	76.047	75.330	0.900	725.127	1.9	1.15	1188.9	Surcharged
1.008	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	29	30	75.813	75.161	0.900	725.156	1.8	0.49	1135.4	Surcharged
1.009	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	30	31	75.514	74.971	0.900	1005.220	2.7	0.76	1687.5	Surcharged
1.010	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	31	34	75.276	74.637	0.900	1004.809	2.6	0.6	1652.2	Surcharged
9.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	40	41	76.783	76.784	0.300	67.563	1.6	0.98	113.3	Flood
9.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	41	42	76.354	76.356	0.375	96.614	1.5	1.15	169.5	Flood
9.002	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	42	43	76.170	76.171	0.450	110.471	2.5	1.86	389.8	Flood
9.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	43	44	76.422	76.204	0.525	182.434	2.2	1.67	471.0	Flood Risk
9.004	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	44	61	76.697	76.136	0.525	202.581	2.3	1.92	492.6	Surcharged
10.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	45	46	81.794	80.400	0.000	0.000	0.0	0	0.0	OK
10.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	46	47	80.472	78.369	0.000	0.000	0.0	0	0.0	OK
10.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	47	48	80.158	77.881	0.011	0.000	0.1	0	0.1	OK
10.003	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	48	49	79.941	77.605	0.023	0.026	0.3	0.03	0.5	OK
10.004	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	49	50	79.769	77.517	0.065	0.044	0.3	0.09	1.6	OK
10.005	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	50	51	79.545	77.509	0.150	0.828	1.1	0.7	12.7	OK
10.006	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	51	54	78.457	78.303	0.450	203.997	2.5	1.19	392.3	Flood Risk
11.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	52	53	78.832	77.444	0.033	0.055	0.1	0.02	0.3	OK
11.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	53	54	78.488	77.161	0.150	0.455	0.9	0.27	4.9	OK
10.007	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	54	59	77.955	77.808	0.450	204.031	2.2	0.9	351.3	Flood Risk
12.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	55	56	79.071	77.721	0.011	0.000	0.0	0	0.0	OK
12.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	56	57	78.364	77.054	0.057	0.055	0.6	0.21	3.8	OK
12.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	57	58	78.259	76.963	0.150	0.137	0.7	0.43	7.8	OK
12.003	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	58	59	77.973	77.267	0.150	0.180	1.2	0.85	15.8	Surcharged
10.008	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	59	60	77.884	77.603	0.450	203.969	2.0	0.89	297.7	Flood Risk
10.009	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	60	61	77.669	77.391	0.525	389.489	3.1	0.68	673.6	Flood Risk
9.005	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	61	63	76.907	76.033	0.750	582.310	2.2	1.71	963.9	Surcharged
9.006	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	63	32	77.234	75.849	0.750	689.110	2.3	1.84	1010.9	Surcharged
9.007	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	32	33	76.821	75.496	0.750	750.158	2.5	2.03	1124.1	Surcharged
9.008	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	33	34	75.753	74.927	0.750	805.554	2.8	0.74	1224.8	Surcharged
1.011	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	34	38	74.888	74.312	0.975	1875.817	4.0	2.71	3001.2	Surcharged

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13.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	35	36	75.385	73.886	0.225	20.715	1.1	0.77	42.5	OK
13.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	36	37	75.176	73.792	0.225	20.748	0.8	0.63	33.5	Surcharg ed
13.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	37	38	74.934	73.790	0.225	32.552	1.2	1.16	47.0	Surcharg ed
1.012	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	38	39	74.764	73.578	1.050	1920.555	3.5	0.88	3062.9	Surcharg ed
1.013	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	39	68	74.367	72.939	0.893	1919.914	4.3	0.84	2992.9	OK
14.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	64	65	75.829	74.200	0.015	0.000	0.0	0	0.0	OK
14.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	65	66	74.921	73.378	0.150	0.121	0.2	0.12	2.2	OK
14.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	66	67	74.021	73.595	0.150	0.144	0.9	0.86	15.4	Surcharg ed
14.003	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	67	68	73.825	73.695	0.375	189.706	3.5	2.97	389.1	Flood Risk
1.014	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	68	74	73.309	72.161	1.050	2107.235	4.0	0.73	3447.9	OK
15.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	69	70	74.413	72.130	0.011	0.000	0.0	0	0.0	OK
15.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	70	71	72.878	71.758	0.150	0.097	0.6	0.63	11.2	OK
15.002	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	71	72	72.301	71.228	0.150	0.437	1.1	0.99	17.9	OK
15.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	72	74	71.987	71.337	0.375	106.849	2.1	1.96	230.3	Surcharg ed
16.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	73	74	71.742	70.849	0.578	87.543	0.9	0.41	163.4	OK
1.015	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	74	77	71.732	71.263	1.050	2327.623	4.3	0.86	3752.1	Surcharg ed
17.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	75	76	72.087	70.869	0.127	0.059	0.2	0.06	1.1	OK
17.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	76	77	71.689	70.643	0.300	46.881	1.2	1.22	87.4	Surcharg ed
1.016	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	77	78	71.251	70.553	1.050	2374.118	4.1	0.71	3557.0	Surcharg ed
1.017	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	78	104	70.276	69.799	1.050	2374.408	3.9	0.7	3406.8	Surcharg ed
18.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	79	80	76.040	74.375	0.000	0.000	0.0	0	0.0	OK
18.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	80	81	75.754	74.100	0.000	0.000	0.0	0	0.0	OK
18.002	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	81	82	75.460	73.810	0.000	0.000	0.0	0	0.0	OK
18.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	82	83	75.152	73.500	0.000	0.000	0.0	0	0.0	OK
18.004	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	83	84	74.975	73.290	0.000	0.000	0.0	0	0.0	OK
18.005	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	84	85	74.723	73.070	0.000	0.000	0.0	0	0.0	OK
18.006	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	85	86	74.467	72.815	0.000	0.000	0.0	0	0.0	OK
18.007	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	86	87	74.053	72.400	0.000	0.000	0.0	0	0.0	OK
18.008	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	87	88	73.721	72.070	0.000	0.000	0.0	0	0.0	OK
18.009	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	88	90	73.680	71.960	0.016	0.000	0.0	0	0.0	OK
19.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	89	90	74.263	72.910	0.016	0.000	0.0	0	0.0	OK

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18.010	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	90	91	73.151	71.557	0.106	0.117	1.1	0.28	5.0	OK
18.011	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	91	92	72.895	71.333	0.150	0.018	0.9	0.11	6.6	Surcharg ed
18.012	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	92	94	72.803	71.759	0.450	225.371	2.7	2.46	436.1	Surcharg ed
20.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	93	94	71.379	71.382	0.300	33.117	2.4	2.38	172.4	Flood
18.013	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	94	99	72.470	71.159	0.750	294.951	1.2	0.96	534.5	Surcharg ed
21.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	95	96	75.749	75.378	0.225	24.222	1.1	0.75	39.2	Surcharg ed
21.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	96	97	76.014	75.138	0.300	50.366	1.2	0.95	81.9	Surcharg ed
21.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	97	98	75.389	74.892	0.300	119.340	3.1	1.98	218.8	Surcharg ed
21.003	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	98	98 (1)	74.418	72.967	0.328	229.022	3.6	0.93	444.2	OK
21.004	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	98 (1)	99	73.719	72.070	0.450	228.306	3.6	0.51	440.5	OK
18.014	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	99	100	73.002	71.071	0.750	523.840	2.1	1.65	941.6	Surcharg ed
18.015	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	100	101	73.097	70.798	0.750	523.635	2.1	1.61	913.1	Surcharg ed
18.016	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	101	102	72.977	70.580	0.750	559.584	2.2	1.73	961.0	Surcharg ed
18.017	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	102	103	73.436	69.871	0.750	559.406	2.0	0.94	755.4	Surcharg ed
18.018	FEH 2013: 100 years: +40 %: 30 mins: Winter	Pipe	103	104	70.136	69.015	0.750	747.653	2.0	0.92	775.5	Surcharg ed
1.018	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	104	105	69.511	69.090	1.050	2934.437	4.8	0.76	4122.3	Surcharg ed
1.019	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	105	106	69.062	67.967	0.974	2934.684	0.9	0.1	4136.6	OK
1.020	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	106	116	68.798	67.936	0.923	2931.060	1.0	0.23	4197.7	OK
22.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	107	108	72.336	70.986	0.000	0.000	0.0	0	0.0	OK
22.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	108	109	71.973	70.623	0.000	0.000	0.0	0	0.0	OK
22.002	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	109	110	71.769	70.419	0.000	0.000	0.0	0	0.0	OK
22.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	110	115	71.297	69.947	0.096	0.000	0.0	0	0.0	OK
23.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	111	112	70.550	69.200	0.000	0.000	0.0	0	0.0	OK
23.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	112	114	70.529	69.134	0.000	0.000	0.0	0	0.0	OK
24.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	113	114	69.769	68.419	0.000	0.000	0.0	0	0.0	OK
23.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	114	115	69.744	68.186	0.150	0.000	0.0	0	0.0	OK
22.004	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	115	116	69.235	68.197	0.450	236.958	3.2	0.87	509.2	Surcharg ed
1.021	FEH 2013: 100 years: +40 %: 30 mins: Winter	Trapezoidal Channel	116	125	68.460	67.650	1.159	4226.744	1.0	0.19	4278.1	OK
25.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	117	118	71.628	70.278	0.000	0.000	0.0	0	0.0	OK
25.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	118	119	71.199	69.843	0.000	0.000	0.0	0	0.0	OK
25.002	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	119	120	69.991	68.641	0.000	0.000	0.0	0	0.0	OK

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25.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	120	121	69.688	68.338	0.000	0.000	0.0	0	0.0	OK
25.004	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	121	122	69.467	68.117	0.001	0.000	0.0	0	0.0	OK
25.005	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	122	123	69.283	67.937	0.128	0.012	0.2	0	0.0	OK
25.006	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	123	124	69.035	67.941	0.150	0.006	0.0	0	0.1	Surcharg ed
25.007	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	124	125	68.589	68.091	0.375	198.906	3.7	1.13	408.0	Surcharg ed
1.022	FEH 2013: 100 years: +40 %: 30 mins: Summer	Trapezoidal Channel	125	126	68.106	67.498	1.470	3992.327	1.2	0.17	4205.6	OK
1.023	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	126	127	67.448	67.531	0.900	3370.600	5.2	1.15	3325.5	Surcharg ed
1.024	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	127	161	65.541	65.070	0.900	3362.526	6.5	0.98	3318.5	Surcharg ed
26.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	128	129	69.363	68.013	0.000	0.000	0.0	0	0.0	OK
26.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	129	130	68.559	67.208	0.000	0.000	0.0	0	0.0	OK
26.002	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	130	131	67.923	66.572	0.000	0.000	0.0	0	0.0	OK
26.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	131	132	67.296	65.945	0.124	0.000	0.0	0	0.0	OK
26.004	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	132	133	66.232	65.457	0.300	97.872	2.7	0.85	193.3	Surcharg ed
26.005	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	133	161	65.321	63.844	0.300	94.213	2.6	2.05	183.1	Surcharg ed
27.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	134	135	75.790	74.487	0.131	27.493	2.4	0.55	58.4	OK
27.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	135	138	74.491	73.011	0.129	27.482	2.4	0.61	56.6	OK
28.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	136	137	74.599	73.249	0.000	0.000	0.0	0	0.0	OK
28.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	137	138	74.262	72.912	0.020	0.000	0.0	0	0.0	OK
27.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	138	139	73.766	72.319	0.117	27.476	2.6	0.5	54.9	OK
27.003	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	139	140	72.723	71.270	0.116	27.469	2.6	0.48	53.5	OK
27.004	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	140	143	71.220	69.771	0.121	27.455	2.4	0.48	52.0	OK
29.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	141	142	71.000	69.650	0.000	0.000	0.0	0	0.0	OK
29.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	142	143	70.677	69.325	0.022	0.000	0.0	0	0.0	OK
27.005	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	143	148	70.496	69.051	0.125	27.432	2.2	0.55	50.7	OK
30.000	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	144	145	72.961	71.611	0.000	0.000	0.0	0	0.0	OK
30.001	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	145	146	71.342	69.992	0.000	0.000	0.0	0	0.0	OK
30.002	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	146	147	70.546	69.196	0.000	0.000	0.0	0	0.0	OK
30.003	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	147	148	69.926	68.576	0.016	0.000	0.0	0	0.0	OK
27.006	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	148	149	68.914	67.454	0.225	24.637	2.0	0.45	43.6	OK
27.007	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	149	159	68.086	67.391	0.525	498.881	4.8	1.18	1044.5	Surcharg ed
31.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-01	HD-02	82.545	81.275	0.079	8.356	1.8	0.53	17.2	OK

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31.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	HD-02	HD-04	80.734	79.589	0.043	8.316	0.5	0	15.6	OK
32.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-03	HD-04	80.650	79.414	0.109	9.401	1.4	0.83	19.5	OK
31.002	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	HD-04	HD-06	79.932	78.724	0.063	17.622	0.6	0	31.4	OK
33.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-05	HD-06	78.926	77.859	0.080	9.525	2.1	0.53	20.1	OK
31.003	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	HD-06	HD-07	78.599	76.819	0.113	27.144	0.5	0	51.1	OK
31.004	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-07	HD-08	78.348	76.637	0.107	27.026	2.2	0.24	50.0	OK
31.005	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-08	HD-12	77.529	75.718	0.125	32.619	2.2	0.29	60.5	OK
34.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-09	HD-12	77.266	75.544	0.051	4.818	1.9	0.24	10.2	OK
35.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-10	HD-11	77.946	76.217	0.060	2.823	0.9	0.2	6.0	OK
35.001	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-11	HD-12	77.438	75.738	0.072	8.971	2.2	0.44	18.7	OK
31.006	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-12	HD-14	77.087	74.933	0.271	46.385	1.3	0.42	87.9	OK
36.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-13	HD-14	77.175	75.466	0.150	7.598	1.5	0.41	16.3	OK
31.007	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-14	HD-15	76.334	74.814	0.300	58.964	1.6	1.75	112.7	Surcharg ed
31.008	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	HD-15	HD-17	76.090	74.322	0.248	59.076	0.3	0	109.0	OK
37.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-16	HD-17	75.800	74.529	0.076	5.494	1.3	0.49	11.5	OK
31.009	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	HD-17	HD-18	75.556	74.001	0.141	61.927	0.8	0	112.4	OK
31.010	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	HD-18	HD-20	75.274	73.710	0.127	61.616	0.8	0	100.8	OK
38.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-19	HD-20	74.600	73.351	0.097	6.798	1.2	0.71	14.1	OK
31.011	FEH 2013: 100 years: +40 %: 15 mins: Winter	Trapezoidal Channel	HD-20	HD-21	74.575	72.841	0.200	68.502	0.5	0	108.8	OK
31.012	FEH 2013: 100 years: +40 %: 30 mins: Winter	Trapezoidal Channel	HD-21	HD-23	73.409	71.827	0.121	88.677	0.9	0	101.4	OK
39.000	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-22	HD-23	73.046	72.035	0.130	9.424	1.2	0.99	19.1	OK
31.013	FEH 2013: 100 years: +40 %: 30 mins: Winter	Trapezoidal Channel	HD-23	HD-24	73.069	71.493	0.125	101.045	0.9	0	114.1	OK
31.014	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	HD-24	157	71.026	68.636	0.146	74.624	2.4	0.18	115.3	OK
31.015	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	157	158	69.750	67.868	0.134	74.478	2.7	0.13	118.7	OK
31.016	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	158	159	69.305	67.405	0.274	74.814	2.5	0.13	121.2	OK
27.008	FEH 2013: 100 years: +40 %: 15 mins: Winter	Pipe	159	160	67.513	65.949	0.600	569.796	3.7	0.68	962.3	OK
27.009	FEH 2013: 100 years: +40 %: 15 mins: Summer	Pipe	160	161	65.183	64.608	0.600	491.781	3.4	1.99	967.4	Surcharg ed
1.025	FEH 2013: 100 years: +40 %: 960 mins: Winter	Pipe	161	162	64.650	64.118	0.261	11962.499	1.6	0.5	171.4	Surcharg ed
1.026	FEH 2013: 100 years: +40 %: 1440 mins: Winter	Pipe	162	163	64.650	62.475	0.328	12855.661	1.5	0.24	171.4	OK
1.027	FEH 2013: 100 years: +40 %: 1440 mins: Winter	Pipe	163	164	64.080	62.437	0.217	12855.521	4.4	1	171.4	Surcharg ed

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Design Criteria FSR: 2 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
1.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	1	2	79.689	77.863	0.000	0.000	0.0	0	0.0	OK
1.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	2	3	78.424	76.866	0.000	0.000	0.0	0	0.0	OK
1.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	3	5	77.479	75.783	0.215	94.716	2.0	0.16	201.7	OK
2.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	4	5	78.440	77.090	0.000	0.000	0.0	0	0.0	OK
1.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	5	6	77.337	75.394	0.227	94.691	1.8	0.21	195.0	OK
1.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	6	9	77.046	75.044	0.241	94.611	1.6	0.19	186.8	OK
3.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	7	8	77.917	76.567	0.000	0.000	0.0	0	0.0	OK
3.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	8	9	77.027	75.676	0.000	0.000	0.0	0	0.0	OK
1.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	9	22	76.766	74.787	0.247	147.161	2.4	0.26	287.4	OK
4.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	10	11	78.678	77.175	0.000	0.000	0.0	0	0.0	OK
4.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	11	12	78.490	76.980	0.000	0.000	0.0	0	0.0	OK
4.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	12	14	78.054	76.495	0.000	0.000	0.0	0	0.0	OK
5.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	13	14	77.228	76.025	0.000	0.000	0.0	0	0.0	OK
4.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	14	15	77.450	75.785	0.000	0.000	0.0	0	0.0	OK
4.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	15	16	76.989	75.520	0.000	0.000	0.0	0	0.0	OK
4.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	16	17	77.207	75.315	0.000	0.000	0.0	0	0.0	OK
4.006	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	17	18	77.119	75.240	0.000	0.000	0.0	0	0.0	OK
4.007	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	18	19	76.972	75.055	0.000	0.000	0.0	0	0.0	OK
4.008	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	19	20	76.864	74.940	0.000	0.000	0.0	0	0.0	OK
4.009	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	20	21	76.591	74.660	0.000	0.000	0.0	0	0.0	OK
4.010	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	21	22	76.440	74.515	0.000	0.000	0.0	0	0.0	OK

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1.006	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	22	28	76.164	73.950	0.433	228.162	1.5	0.48	441.2	OK
6.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	23	25	78.043	76.693	0.000	0.000	0.0	0	0.0	OK
7.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	24	25	78.010	76.660	0.000	0.000	0.0	0	0.0	OK
6.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	25	27	77.632	76.249	0.000	0.000	0.0	0	0.0	OK
8.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	26	27	77.405	76.055	0.000	0.000	0.0	0	0.0	OK
6.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	27	28	77.033	75.618	0.000	0.000	0.0	0	0.0	OK
1.007	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	28	29	76.047	73.860	0.361	227.965	1.8	0.42	430.5	OK
1.008	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	29	30	75.813	73.731	0.357	227.896	1.8	0.18	422.8	OK
1.009	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	30	31	75.514	73.497	0.380	316.388	2.4	0.27	601.9	OK
1.010	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	31	34	75.276	73.243	0.493	315.942	1.7	0.21	589.1	OK
9.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	40	41	76.783	75.114	0.131	21.451	1.5	0.38	43.6	OK
9.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	41	42	76.354	74.662	0.185	34.494	1.2	0.46	67.6	OK
9.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	42	43	76.170	74.425	0.204	39.287	1.1	0.36	75.3	OK
9.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	43	44	76.422	74.303	0.285	64.699	1.0	0.43	121.8	OK
9.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	44	61	76.697	74.228	0.285	71.773	1.1	0.5	127.2	OK
10.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	45	46	81.794	80.400	0.000	0.000	0.0	0	0.0	OK
10.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	46	47	80.472	78.369	0.000	0.000	0.0	0	0.0	OK
10.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	47	48	80.158	77.876	0.000	0.000	0.0	0	0.0	OK
10.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	48	49	79.941	77.588	0.000	0.000	0.0	0	0.0	OK
10.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	49	50	79.769	77.488	0.000	0.000	0.0	0	0.0	OK
10.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	50	51	79.545	77.378	0.000	0.000	0.0	0	0.0	OK
10.006	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	51	54	78.457	76.750	0.229	64.480	1.7	0.41	136.6	OK
11.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	52	53	78.832	77.431	0.000	0.000	0.0	0	0.0	OK
11.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	53	54	78.488	77.096	0.000	0.000	0.0	0	0.0	OK
10.007	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	54	59	77.955	76.497	0.226	64.443	1.7	0.34	133.3	OK
12.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	55	56	79.071	77.721	0.000	0.000	0.0	0	0.0	OK

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12.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	56	57	78.364	77.008	0.000	0.000	0.0	0	0.0	OK
12.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	57	58	78.259	76.895	0.000	0.000	0.0	0	0.0	OK
12.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	58	59	77.973	76.568	0.000	0.000	0.0	0	0.0	OK
10.008	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	59	60	77.884	76.377	0.208	64.420	1.8	0.39	129.8	OK
10.009	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	60	61	77.669	76.102	0.229	122.932	2.8	0.26	253.9	OK
9.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	61	63	76.907	74.153	0.493	205.152	1.2	0.66	374.6	OK
9.006	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	63	32	77.234	74.038	0.454	216.393	1.3	0.67	370.3	OK
9.007	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	32	33	76.821	73.910	0.352	235.400	1.9	0.7	384.8	OK
9.008	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	33	34	75.753	73.663	0.373	252.393	2.2	0.24	396.6	OK
1.011	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	34	38	74.888	73.102	0.629	589.041	1.9	0.87	966.1	OK
13.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	35	36	75.385	73.786	0.085	7.348	1.1	0.28	15.5	OK
13.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	36	37	75.176	73.573	0.100	7.338	0.9	0.28	14.7	OK
13.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	37	38	74.934	73.362	0.113	10.260	1.0	0.48	19.3	OK
1.012	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	38	39	74.764	72.754	0.443	603.067	2.8	0.28	977.6	OK
1.013	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	39	68	74.367	72.377	0.390	602.625	3.2	0.27	945.3	OK
14.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	64	65	75.829	74.200	0.000	0.000	0.0	0	0.0	OK
14.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	65	66	74.921	73.320	0.000	0.000	0.0	0	0.0	OK
14.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	66	67	74.021	72.550	0.038	0.000	0.0	0	0.0	OK
14.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	67	68	73.825	72.464	0.286	59.960	1.4	0.94	122.4	OK
1.014	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	68	74	73.309	71.717	0.402	662.028	3.4	0.22	1026.5	OK
15.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	69	70	74.413	72.130	0.000	0.000	0.0	0	0.0	OK
15.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	70	71	72.878	71.670	0.000	0.000	0.0	0	0.0	OK
15.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	71	72	72.301	71.090	0.002	0.000	0.0	0	0.0	OK
15.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	72	74	71.987	70.797	0.220	38.001	1.1	0.66	76.9	OK
16.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	73	74	71.742	70.470	0.168	31.199	1.0	0.16	64.5	OK
1.015	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	74	77	71.732	70.225	0.418	730.806	3.5	0.26	1119.6	OK
17.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	75	76	72.087	70.845	0.000	0.000	0.0	0	0.0	OK

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17.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	76	77	71.689	70.399	0.134	14.888	0.9	0.4	28.5	OK
1.016	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	77	78	71.251	69.691	0.396	745.372	3.7	0.22	1118.3	OK
1.017	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	78	104	70.276	68.725	0.420	745.035	3.4	0.22	1080.9	OK
18.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	79	80	76.040	74.375	0.000	0.000	0.0	0	0.0	OK
18.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	80	81	75.754	74.100	0.000	0.000	0.0	0	0.0	OK
18.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	81	82	75.460	73.810	0.000	0.000	0.0	0	0.0	OK
18.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	82	83	75.152	73.500	0.000	0.000	0.0	0	0.0	OK
18.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	83	84	74.975	73.290	0.000	0.000	0.0	0	0.0	OK
18.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	84	85	74.723	73.070	0.000	0.000	0.0	0	0.0	OK
18.006	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	85	86	74.467	72.815	0.000	0.000	0.0	0	0.0	OK
18.007	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	86	87	74.053	72.400	0.000	0.000	0.0	0	0.0	OK
18.008	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	87	88	73.721	72.070	0.000	0.000	0.0	0	0.0	OK
18.009	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	88	90	73.680	71.960	0.000	0.000	0.0	0	0.0	OK
19.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	89	90	74.263	72.910	0.000	0.000	0.0	0	0.0	OK
18.010	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	90	91	73.151	71.500	0.000	0.000	0.0	0	0.0	OK
18.011	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	91	92	72.895	71.120	0.009	0.000	0.0	0	0.0	OK
18.012	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	92	94	72.803	69.964	0.299	71.649	1.3	0.83	148.0	OK
20.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	93	94	71.379	69.966	0.113	10.575	0.9	0.29	21.0	OK
18.013	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	94	99	72.470	69.679	0.432	93.354	0.7	0.33	183.4	OK
21.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	95	96	75.749	73.962	0.085	7.726	1.1	0.3	15.4	OK
21.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	96	97	76.014	73.510	0.157	15.870	0.8	0.37	31.6	OK
21.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	97	98	75.389	73.324	0.182	37.646	1.6	0.65	71.3	OK
21.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	98	98 (1)	74.418	72.728	0.158	72.300	2.9	0.3	143.7	OK
21.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	98 (1)	99	73.719	71.970	0.126	72.247	3.8	0.16	139.5	OK
18.014	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	99	100	73.002	69.655	0.433	165.393	1.1	0.53	303.8	OK
18.015	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	100	101	73.097	69.577	0.403	165.197	1.2	0.51	287.2	OK

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:		



18.016	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	101	102	72.977	69.500	0.325	178.139	1.4	0.47	262.1	OK
18.017	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	102	103	73.436	69.134	0.316	176.054	1.6	0.35	277.6	OK
18.018	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	103	104	70.136	68.489	0.320	172.267	1.7	0.36	304.8	OK
1.018	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	104	105	69.511	68.035	0.488	916.732	3.5	0.24	1299.2	OK
1.019	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	105	106	69.062	67.610	0.621	916.396	0.6	0.03	1332.0	OK
1.020	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	106	116	68.798	67.587	0.537	902.722	0.8	0.08	1467.4	OK
22.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	107	108	72.336	70.986	0.000	0.000	0.0	0	0.0	OK
22.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	108	109	71.973	70.623	0.000	0.000	0.0	0	0.0	OK
22.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	109	110	71.769	70.419	0.000	0.000	0.0	0	0.0	OK
22.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	110	115	71.297	69.947	0.000	0.000	0.0	0	0.0	OK
23.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	111	112	70.550	69.200	0.000	0.000	0.0	0	0.0	OK
23.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	112	114	70.529	69.134	0.000	0.000	0.0	0	0.0	OK
24.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	113	114	69.769	68.419	0.000	0.000	0.0	0	0.0	OK
23.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	114	115	69.744	68.185	0.000	0.000	0.0	0	0.0	OK
22.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	115	116	69.235	67.543	0.286	74.832	2.1	0.27	160.8	OK
1.021	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	116	125	68.460	67.180	0.578	942.776	0.8	0.07	1598.2	OK
25.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	117	118	71.628	70.278	0.000	0.000	0.0	0	0.0	OK
25.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	118	119	71.199	69.843	0.000	0.000	0.0	0	0.0	OK
25.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	119	120	69.991	68.641	0.000	0.000	0.0	0	0.0	OK
25.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	120	121	69.688	68.338	0.000	0.000	0.0	0	0.0	OK
25.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	121	122	69.467	68.117	0.000	0.000	0.0	0	0.0	OK
25.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	122	123	69.283	67.933	0.000	0.000	0.0	0	0.0	OK
25.006	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	123	124	69.035	67.684	0.000	0.000	0.0	0	0.0	OK
25.007	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	124	125	68.589	67.193	0.254	62.810	2.7	0.37	135.2	OK
1.022	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	125	126	68.106	66.900	0.565	986.776	1.1	0.07	1690.3	OK
1.023	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	126	127	67.448	66.261	0.515	974.054	4.5	0.58	1693.7	OK

Highover Farm, Hitchin:	Date: 20/09/2024		
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Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:		



1.024	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	127	161	65.541	64.244	0.394	970.825	6.3	0.5	1694.3	OK
26.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	128	129	69.363	68.013	0.000	0.000	0.0	0	0.0	OK
26.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	129	130	68.559	67.208	0.000	0.000	0.0	0	0.0	OK
26.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	130	131	67.923	66.572	0.000	0.000	0.0	0	0.0	OK
26.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	131	132	67.296	65.945	0.000	0.000	0.0	0	0.0	OK
26.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	132	133	66.232	64.837	0.111	31.228	2.7	0.28	65.0	OK
26.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	133	161	65.321	62.759	0.285	30.731	1.9	0.7	62.9	OK
27.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	134	135	75.790	74.428	0.067	8.688	1.9	0.17	18.4	OK
27.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	135	138	74.491	72.942	0.066	8.681	1.8	0.19	17.7	OK
28.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	136	137	74.599	73.249	0.000	0.000	0.0	0	0.0	OK
28.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	137	138	74.262	72.912	0.000	0.000	0.0	0	0.0	OK
27.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	138	139	73.766	72.261	0.061	8.678	2.0	0.15	17.2	OK
27.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	139	140	72.723	71.216	0.060	8.672	2.0	0.15	16.6	OK
27.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	140	143	71.220	69.713	0.062	8.661	1.8	0.15	16.0	OK
29.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	141	142	71.000	69.650	0.000	0.000	0.0	0	0.0	OK
29.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	142	143	70.677	69.325	0.000	0.000	0.0	0	0.0	OK
27.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	143	148	70.496	68.991	0.061	8.655	1.7	0.16	15.2	OK
30.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	144	145	72.961	71.611	0.000	0.000	0.0	0	0.0	OK
30.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	145	146	71.342	69.992	0.000	0.000	0.0	0	0.0	OK
30.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	146	147	70.546	69.196	0.000	0.000	0.0	0	0.0	OK
30.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Summer	Pipe	147	148	69.926	68.576	0.000	0.000	0.0	0	0.0	OK
27.006	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	148	149	68.914	67.405	0.058	8.620	1.7	0.14	13.9	OK
27.007	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	149	159	68.086	66.323	0.242	157.812	3.4	0.38	331.3	OK
31.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-01	HD-02	82.545	81.237	0.041	2.638	1.3	0.16	5.3	OK
31.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-02	HD-04	80.734	79.566	0.021	2.602	0.3	0	4.5	OK
32.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-03	HD-04	80.650	79.354	0.053	2.971	1.1	0.26	6.1	OK
31.002	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-04	HD-06	79.932	78.691	0.030	5.489	0.4	0	8.8	OK

Highover Farm, Hitchin:	Date: 20/09/2024			
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Report Details: Type: Connections Summary Storm Phase: Storm	Company Address:			

33.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-05	HD-06	78.926	77.819	0.042	3.011	1.6	0.17	6.3	OK
31.003	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-06	HD-07	78.599	76.780	0.070	8.497	0.3	0	14.9	OK
31.004	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-07	HD-08	78.348	76.590	0.055	8.385	1.6	0.07	14.4	OK
31.005	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-08	HD-12	77.529	75.662	0.065	10.143	1.6	0.08	17.5	OK
34.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-09	HD-12	77.266	75.520	0.028	1.524	1.4	0.08	3.2	OK
35.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-10	HD-11	77.946	76.197	0.032	0.889	0.7	0.06	1.8	OK
35.001	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-11	HD-12	77.438	75.702	0.038	2.835	1.6	0.14	5.8	OK
31.006	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-12	HD-14	77.087	74.869	0.116	14.484	1.0	0.12	25.8	OK
36.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-13	HD-14	77.175	75.437	0.036	2.402	1.5	0.13	5.0	OK
31.007	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-14	HD-15	76.334	74.570	0.150	18.425	0.9	0.51	32.7	OK
31.008	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-15	HD-17	76.090	74.253	0.178	18.505	0.2	0	30.8	OK
37.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-16	HD-17	75.800	74.491	0.040	1.733	0.9	0.15	3.6	OK
31.009	Design Criteria FSR: 2 years: +0 %: 30 mins: Winter	Trapezoidal Channel	HD-17	HD-18	75.556	73.924	0.070	23.548	0.5	0	28.1	OK
31.010	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-18	HD-20	75.274	73.644	0.063	17.402	0.6	0	28.2	OK
38.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-19	HD-20	74.600	73.300	0.049	2.144	0.9	0.22	4.4	OK
31.011	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-20	HD-21	74.575	72.780	0.144	19.596	0.3	0	31.5	OK
31.012	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-21	HD-23	73.409	71.774	0.068	16.874	0.6	0	34.0	OK
39.000	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-22	HD-23	73.046	71.957	0.059	2.976	0.9	0.32	6.1	OK
31.013	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Trapezoidal Channel	HD-23	HD-24	73.069	71.439	0.069	19.523	0.7	0	38.5	OK
31.014	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	HD-24	157	71.026	68.574	0.083	19.462	1.8	0.06	39.0	OK
31.015	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	157	158	69.750	67.804	0.076	19.341	2.0	0.04	39.4	OK
31.016	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	158	159	69.305	67.353	0.075	19.486	2.2	0.04	39.1	OK
27.008	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	159	160	67.513	65.617	0.207	176.487	3.8	0.23	326.7	OK
27.009	Design Criteria FSR: 2 years: +0 %: 15 mins: Winter	Pipe	160	161	65.183	62.919	0.285	175.107	3.2	0.63	307.5	OK
1.025	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	Pipe	161	162	64.650	62.963	0.232	2019.920	1.6	0.41	142.1	Surcharg ed
1.026	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	Pipe	162	163	64.650	62.448	0.263	2019.246	1.5	0.2	142.1	OK
1.027	Design Criteria FSR: 2 years: +0 %: 240 mins: Winter	Pipe	163	164	64.080	62.337	0.166	2018.368	4.4	0.83	142.2	Surcharg ed

Highover Farm, Hitchin:	Date: 20/09/2024		
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Critical by Return Period: FEH 2013: 2 years: Increase Rainfall (%): +0: 360 mins: Winter

Type : Pond

Tables

Half Drain Down Time (mins)	173
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.2	0.000	0.000	0.005	0.000	0.0
10	2.5	0.000	0.000	0.333	0.000	0.0
15	5.0	0.002	0.000	1.466	0.000	0.0
20	7.0	0.004	0.000	3.252	0.000	0.0
25	8.3	0.007	0.000	5.562	0.000	0.0
30	9.3	0.010	0.000	8.207	0.000	0.0
35	23.7	0.013	0.000	11.757	0.000	0.0
40	48.5	0.025	0.000	23.448	0.000	0.0
45	58.2	0.038	0.000	39.547	0.000	0.0
50	64.1	0.047	0.001	57.947	0.000	0.0
55	66.7	0.052	0.005	77.636	0.000	0.0
60	67.3	0.056	0.016	97.737	0.000	0.2
65	67.4	0.059	0.032	117.864	0.000	0.4
70	67.8	0.062	0.048	137.929	0.000	1.0
75	68.7	0.066	0.060	158.003	0.000	1.6
80	70.5	0.072	0.069	178.319	0.000	2.0
85	73.4	0.080	0.077	199.177	0.000	2.6
90	77.6	0.088	0.086	220.905	0.000	3.2
95	83.5	0.097	0.095	243.932	0.000	3.9
100	91.9	0.106	0.104	268.858	0.000	4.7
105	102.3	0.116	0.115	296.381	0.000	5.7
110	114.1	0.128	0.127	326.873	0.000	6.9
115	127.7	0.141	0.139	360.787	0.000	8.3
120	143.4	0.155	0.154	398.602	0.000	10.2
125	160.7	0.170	0.169	440.773	0.000	12.4
130	179.7	0.188	0.187	487.662	0.000	15.0
135	199.8	0.207	0.206	539.566	0.000	18.1
140	220.8	0.227	0.227	596.620	0.000	21.9
145	242.5	0.250	0.249	658.887	0.000	26.2
150	264.0	0.274	0.273	726.184	0.000	31.3
155	285.8	0.299	0.299	798.364	0.000	37.1
160	306.2	0.326	0.325	875.042	0.000	43.5
165	325.2	0.353	0.353	955.661	0.000	50.6
170	343.4	0.382	0.382	1039.622	0.000	58.4
175	359.1	0.411	0.411	1126.294	0.000	66.6
180	372.2	0.441	0.440	1214.811	0.000	75.1
185	380.9	0.470	0.470	1303.939	0.000	84.1
190	381.7	0.498	0.498	1391.848	0.000	92.9
195	377.9	0.525	0.525	1476.873	0.000	101.3
200	366.5	0.551	0.551	1557.219	0.000	109.4
205	353.7	0.574	0.574	1631.511	0.000	116.9
210	337.9	0.595	0.595	1699.293	0.000	123.5
215	320.5	0.614	0.614	1760.213	0.000	129.4
220	301.5	0.630	0.630	1813.992	0.000	134.5
225	281.9	0.645	0.645	1860.597	0.000	138.6
230	261.9	0.657	0.657	1900.137	0.000	141.9
235	241.7	0.666	0.666	1932.747	0.000	144.8

Highover Farm, Hitchin:	Date: 20/09/2024		
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Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	221.9	0.674	0.674	1958.550	0.000	147.0
245	202.7	0.680	0.680	1977.892	0.000	148.7
250	184.3	0.684	0.684	1991.163	0.000	149.9
255	167.3	0.686	0.686	1998.841	0.000	150.5
260	151.3	0.687	0.687	2001.437	0.000	150.7
265	136.8	0.686	0.686	1999.431	0.000	150.6
270	123.8	0.685	0.685	1993.408	0.000	150.0
275	112.1	0.682	0.682	1983.892	0.000	149.2
280	102.3	0.678	0.678	1971.418	0.000	148.1
285	93.7	0.673	0.673	1956.546	0.000	146.9
290	86.6	0.668	0.668	1939.730	0.000	145.4
295	81.0	0.663	0.663	1921.471	0.000	143.8
300	76.6	0.657	0.657	1902.226	0.000	142.0
305	73.5	0.651	0.651	1882.377	0.000	140.2
310	71.4	0.645	0.645	1862.291	0.000	138.4
315	70.1	0.639	0.639	1842.252	0.000	136.6
320	69.5	0.633	0.633	1822.441	0.000	135.2
325	69.2	0.627	0.627	1802.971	0.000	133.3
330	68.9	0.621	0.621	1783.961	0.000	131.5
335	68.2	0.615	0.615	1765.344	0.000	129.8
340	66.6	0.610	0.610	1746.931	0.000	128.0
345	63.9	0.604	0.604	1728.401	0.000	126.2
350	59.2	0.598	0.598	1709.330	0.000	124.4
355	52.6	0.592	0.592	1689.143	0.000	122.4
360	43.5	0.585	0.585	1667.244	0.000	120.3
365	34.7	0.578	0.578	1643.198	0.000	117.9
370	27.4	0.569	0.569	1617.479	0.000	115.4
375	21.3	0.561	0.561	1590.552	0.000	112.7
380	16.3	0.552	0.552	1562.783	0.000	109.9
385	12.6	0.543	0.543	1534.551	0.000	107.0
390	9.8	0.534	0.534	1506.214	0.000	104.2
395	7.9	0.525	0.525	1478.026	0.000	101.4
400	6.4	0.517	0.517	1450.158	0.000	98.6
405	5.3	0.508	0.508	1422.737	0.000	95.9
410	4.5	0.499	0.499	1395.840	0.000	93.2
415	3.9	0.491	0.491	1369.516	0.000	90.6
420	3.4	0.482	0.482	1343.800	0.000	88.0
425	3.0	0.474	0.474	1318.706	0.000	85.5
430	2.6	0.466	0.466	1294.251	0.000	83.1
435	2.4	0.458	0.458	1270.441	0.000	80.6
440	2.1	0.451	0.451	1247.269	0.000	78.3
445	1.9	0.443	0.443	1224.724	0.000	76.0
450	1.7	0.436	0.436	1202.784	0.000	73.9
455	1.6	0.429	0.429	1181.423	0.000	71.8
460	1.4	0.422	0.422	1160.624	0.000	69.8
465	1.3	0.415	0.415	1140.374	0.000	67.9
470	1.1	0.409	0.409	1120.656	0.000	66.0
475	1.0	0.402	0.402	1101.442	0.000	64.2
480	0.9	0.396	0.396	1082.735	0.000	62.4
485	0.9	0.390	0.390	1064.527	0.000	60.7
490	0.8	0.384	0.384	1046.806	0.000	59.1
495	0.8	0.378	0.378	1029.560	0.000	57.5
500	0.7	0.372	0.372	1012.777	0.000	55.9
505	0.7	0.367	0.367	996.446	0.000	54.4
510	0.6	0.361	0.361	980.554	0.000	52.9
515	0.6	0.356	0.356	965.088	0.000	51.5
520	0.6	0.351	0.351	950.036	0.000	50.1
525	0.6	0.346	0.346	935.387	0.000	48.7

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
530	0.5	0.341	0.341	921.130	0.000	47.4
535	0.5	0.336	0.336	907.233	0.000	46.2
540	0.5	0.332	0.332	893.684	0.000	45.1
545	0.5	0.327	0.327	880.471	0.000	43.9
550	0.4	0.323	0.323	867.587	0.000	42.8
555	0.4	0.318	0.318	855.023	0.000	41.8
560	0.4	0.314	0.314	842.771	0.000	40.7
565	0.4	0.310	0.310	830.822	0.000	39.7
570	0.4	0.306	0.306	819.164	0.000	38.8
575	0.4	0.302	0.302	807.781	0.000	37.8
580	0.3	0.298	0.298	796.664	0.000	36.9
585	0.3	0.294	0.294	785.808	0.000	36.1
590	0.3	0.290	0.290	775.207	0.000	35.2
595	0.3	0.287	0.287	764.853	0.000	34.4
600	0.3	0.283	0.283	754.741	0.000	33.6
605	0.3	0.280	0.280	744.863	0.000	32.8
610	0.3	0.276	0.276	735.215	0.000	32.0
615	0.3	0.273	0.273	725.789	0.000	31.3
620	0.2	0.270	0.270	716.575	0.000	30.6
625	0.2	0.266	0.266	707.567	0.000	29.9
630	0.2	0.263	0.263	698.761	0.000	29.2
635	0.1	0.260	0.260	690.142	0.000	28.6
640	0.1	0.257	0.257	681.697	0.000	27.9
645	0.1	0.254	0.254	673.434	0.000	27.3
650	0.1	0.251	0.251	665.354	0.000	26.7
655	0.1	0.249	0.249	657.454	0.000	26.1
660	0.1	0.246	0.246	649.728	0.000	25.5
665	0.1	0.243	0.243	642.175	0.000	24.9
670	0.0	0.240	0.240	634.784	0.000	24.4
675	0.0	0.238	0.238	627.541	0.000	23.9
680	0.0	0.235	0.235	620.443	0.000	23.5
685	0.0	0.233	0.233	613.486	0.000	23.0
690	0.0	0.230	0.230	606.667	0.000	22.5
695	0.0	0.228	0.228	599.983	0.000	22.1
700	0.0	0.226	0.225	593.432	0.000	21.7
705	0.0	0.223	0.223	587.010	0.000	21.2
710	0.0	0.221	0.221	580.714	0.000	20.8
715	0.0	0.219	0.219	574.543	0.000	20.4
720	0.0	0.216	0.216	568.409	0.000	20.0

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



164
Critical by Return Period: FEH 2013: 2 years: Increase Rainfall (%): +0: 360 mins: Winter

Type : Pond

Tables

Half Drain Down Time (mins)	0
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.0	0.000	0.000	0.000	0.000	0.0
30	0.0	0.000	0.000	0.000	0.000	0.0
35	0.0	0.000	0.000	0.000	0.000	0.0
40	0.0	0.000	0.000	0.000	0.000	0.0
45	0.0	0.000	0.000	0.000	0.000	0.0
50	0.0	0.000	0.000	0.000	0.000	0.0
55	0.0	0.000	0.000	0.000	0.000	0.0
60	0.0	0.000	0.000	0.000	0.000	0.0
65	0.2	0.000	0.000	0.000	0.000	0.2
70	0.7	0.000	0.000	0.000	0.000	0.7
75	1.4	0.000	0.000	0.000	0.000	1.4
80	1.9	0.000	0.000	0.000	0.000	1.9
85	2.4	0.000	0.000	0.000	0.000	2.4
90	3.1	0.000	0.000	0.000	0.000	3.1
95	3.7	0.000	0.000	0.000	0.000	3.7
100	4.5	0.000	0.000	0.000	0.000	4.5
105	5.5	0.000	0.000	0.000	0.000	5.5
110	6.7	0.000	0.000	0.000	0.000	6.7
115	8.1	0.000	0.000	0.000	0.000	8.1
120	9.9	0.000	0.000	0.000	0.000	9.9
125	12.0	0.000	0.000	0.000	0.000	12.0
130	14.6	0.000	0.000	0.000	0.000	14.6
135	17.7	0.000	0.000	0.000	0.000	17.7
140	21.3	0.000	0.000	0.000	0.000	21.3
145	25.6	0.000	0.000	0.000	0.000	25.6
150	30.7	0.000	0.000	0.000	0.000	30.7
155	36.4	0.000	0.000	0.000	0.000	36.4
160	42.7	0.000	0.000	0.000	0.000	42.7
165	49.8	0.000	0.000	0.000	0.000	49.8
170	57.6	0.000	0.000	0.000	0.000	57.6
175	65.7	0.000	0.000	0.000	0.000	65.7
180	74.2	0.000	0.000	0.000	0.000	74.2
185	83.2	0.000	0.000	0.000	0.000	83.2
190	92.0	0.001	0.000	0.544	0.000	86.6
195	100.5	0.007	0.000	2.459	0.000	95.2
200	108.6	0.009	0.000	3.577	0.000	106.0
205	116.1	0.011	0.000	4.218	0.000	114.3
210	122.8	0.012	0.000	4.686	0.000	121.4
215	128.7	0.013	0.000	5.055	0.000	127.6
220	133.9	0.014	0.000	5.351	0.000	133.0
225	138.0	0.015	0.000	5.581	0.000	137.4
230	141.1	0.015	0.000	5.749	0.000	140.7
235	144.5	0.016	0.000	5.898	0.000	143.8

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	146.8	0.016	0.000	6.026	0.000	146.5
245	148.5	0.016	0.000	6.111	0.000	148.3
250	149.7	0.016	0.000	6.170	0.000	149.6
255	150.5	0.016	0.000	6.206	0.000	150.4
260	150.7	0.016	0.000	6.221	0.000	150.7
265	150.6	0.016	0.000	6.218	0.000	150.6
270	150.1	0.016	0.000	6.199	0.000	150.2
275	149.3	0.016	0.000	6.165	0.000	149.5
280	148.3	0.016	0.000	6.119	0.000	148.5
285	147.0	0.016	0.000	6.063	0.000	147.2
290	145.6	0.016	0.000	5.997	0.000	145.8
295	144.0	0.016	0.000	5.922	0.000	144.2
300	142.2	0.015	0.000	5.839	0.000	142.5
305	140.4	0.015	0.000	5.752	0.000	140.7
310	138.6	0.015	0.000	5.662	0.000	138.9
315	136.8	0.015	0.000	5.570	0.000	137.1
320	135.4	0.015	0.000	5.520	0.000	136.1
325	133.6	0.014	0.000	5.403	0.000	133.9
330	131.8	0.014	0.000	5.306	0.000	132.1
335	130.0	0.014	0.000	5.209	0.000	130.3
340	128.2	0.014	0.000	5.111	0.000	128.5
345	126.4	0.013	0.000	5.011	0.000	126.8
350	124.6	0.013	0.000	4.905	0.000	125.0
355	122.6	0.013	0.000	4.790	0.000	123.0
360	120.5	0.012	0.000	4.663	0.000	121.0
365	118.2	0.012	0.000	4.518	0.000	118.7
370	115.7	0.012	0.000	4.356	0.000	116.2
375	113.0	0.011	0.000	4.172	0.000	113.6
380	110.1	0.011	0.000	3.971	0.000	110.8
385	107.3	0.010	0.000	3.753	0.000	108.0
390	104.4	0.009	0.000	3.521	0.000	105.2
395	101.6	0.009	0.000	3.275	0.000	102.5
400	98.9	0.008	0.000	3.009	0.000	99.8
405	96.1	0.007	0.000	2.720	0.000	97.1
410	93.5	0.006	0.000	2.402	0.000	94.6
415	90.8	0.005	0.000	2.042	0.000	92.1
420	88.3	0.004	0.000	1.621	0.000	89.8
425	85.8	0.003	0.000	1.096	0.000	87.8
430	83.3	0.001	0.000	0.354	0.000	86.4
435	80.9	0.000	0.000	0.000	0.000	80.9
440	78.5	0.000	0.000	0.000	0.000	78.5
445	76.2	0.000	0.000	0.000	0.000	76.2
450	74.1	0.000	0.000	0.000	0.000	74.1
455	72.0	0.000	0.000	0.000	0.000	72.0
460	70.0	0.000	0.000	0.000	0.000	70.0
465	68.1	0.000	0.000	0.000	0.000	68.1
470	66.2	0.000	0.000	0.000	0.000	66.2
475	64.4	0.000	0.000	0.000	0.000	64.4
480	62.6	0.000	0.000	0.000	0.000	62.6
485	60.9	0.000	0.000	0.000	0.000	60.9
490	59.2	0.000	0.000	0.000	0.000	59.2
495	57.6	0.000	0.000	0.000	0.000	57.6
500	56.1	0.000	0.000	0.000	0.000	56.1
505	54.5	0.000	0.000	0.000	0.000	54.5
510	53.0	0.000	0.000	0.000	0.000	53.0
515	51.6	0.000	0.000	0.000	0.000	51.6
520	50.2	0.000	0.000	0.000	0.000	50.2
525	48.9	0.000	0.000	0.000	0.000	48.9

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
530	47.6	0.000	0.000	0.000	0.000	47.6
535	46.4	0.000	0.000	0.000	0.000	46.4
540	45.2	0.000	0.000	0.000	0.000	45.2
545	44.1	0.000	0.000	0.000	0.000	44.1
550	43.0	0.000	0.000	0.000	0.000	43.0
555	41.9	0.000	0.000	0.000	0.000	41.9
560	40.8	0.000	0.000	0.000	0.000	40.8
565	39.8	0.000	0.000	0.000	0.000	39.8
570	38.9	0.000	0.000	0.000	0.000	38.9
575	37.9	0.000	0.000	0.000	0.000	37.9
580	37.0	0.000	0.000	0.000	0.000	37.0
585	36.2	0.000	0.000	0.000	0.000	36.2
590	35.3	0.000	0.000	0.000	0.000	35.3
595	34.5	0.000	0.000	0.000	0.000	34.5
600	33.7	0.000	0.000	0.000	0.000	33.7
605	32.9	0.000	0.000	0.000	0.000	32.9
610	32.1	0.000	0.000	0.000	0.000	32.1
615	31.4	0.000	0.000	0.000	0.000	31.4
620	30.7	0.000	0.000	0.000	0.000	30.7
625	30.0	0.000	0.000	0.000	0.000	30.0
630	29.3	0.000	0.000	0.000	0.000	29.3
635	28.7	0.000	0.000	0.000	0.000	28.7
640	28.0	0.000	0.000	0.000	0.000	28.0
645	27.4	0.000	0.000	0.000	0.000	27.4
650	26.8	0.000	0.000	0.000	0.000	26.8
655	26.2	0.000	0.000	0.000	0.000	26.2
660	25.6	0.000	0.000	0.000	0.000	25.6
665	25.0	0.000	0.000	0.000	0.000	25.0
670	24.5	0.000	0.000	0.000	0.000	24.5
675	24.0	0.000	0.000	0.000	0.000	24.0
680	23.5	0.000	0.000	0.000	0.000	23.5
685	23.1	0.000	0.000	0.000	0.000	23.1
690	22.6	0.000	0.000	0.000	0.000	22.6
695	22.1	0.000	0.000	0.000	0.000	22.1
700	21.7	0.000	0.000	0.000	0.000	21.7
705	21.3	0.000	0.000	0.000	0.000	21.3
710	20.9	0.000	0.000	0.000	0.000	20.9
715	20.5	0.000	0.000	0.000	0.000	20.5
720	20.0	0.000	0.000	0.000	0.000	20.0

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



161
Critical by Return Period: FEH 2013: 30 years: Increase Rainfall (%): +0: 240 mins: Winter

Type : Pond

Tables

Half Drain Down Time (mins)	216
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	1.9	0.000	0.000	0.092	0.000	0.0
10	11.1	0.002	0.000	1.919	0.000	0.0
15	18.7	0.008	0.000	6.432	0.000	0.0
20	23.2	0.015	0.000	12.770	0.000	0.0
25	83.5	0.029	0.000	25.871	0.000	0.0
30	145.0	0.058	0.000	60.357	0.000	0.0
35	168.6	0.078	0.005	108.311	0.000	0.0
40	172.5	0.088	0.031	159.561	0.000	0.4
45	173.8	0.095	0.072	211.131	0.000	2.2
50	177.0	0.107	0.100	262.627	0.000	4.3
55	185.8	0.125	0.121	315.370	0.000	6.4
60	198.7	0.145	0.143	370.586	0.000	8.7
65	220.3	0.167	0.165	430.092	0.000	11.8
70	252.3	0.191	0.190	496.586	0.000	15.5
75	295.5	0.219	0.218	573.036	0.000	20.2
80	350.0	0.251	0.250	662.533	0.000	26.4
85	415.0	0.289	0.288	767.812	0.000	34.6
90	487.9	0.332	0.331	891.104	0.000	44.8
95	565.3	0.380	0.380	1033.806	0.000	57.9
100	649.3	0.435	0.434	1196.203	0.000	73.3
105	729.9	0.494	0.494	1378.519	0.000	91.5
110	809.4	0.558	0.558	1578.903	0.000	111.6
115	877.1	0.626	0.625	1796.053	0.000	132.9
120	937.3	0.695	0.695	2025.787	0.000	152.9
125	979.2	0.765	0.765	2265.311	0.000	164.9
130	978.0	0.835	0.835	2509.775	0.000	167.8
135	945.7	0.901	0.901	2748.418	0.000	169.7
140	892.2	0.963	0.962	2973.486	0.000	170.8
145	826.1	1.017	1.017	3180.310	0.000	171.2
150	752.4	1.066	1.066	3365.959	0.000	171.4
155	674.6	1.108	1.108	3528.861	0.000	171.2
160	597.3	1.143	1.143	3668.451	0.000	171.0
165	522.6	1.172	1.172	3785.238	0.000	170.8
170	453.1	1.196	1.196	3880.417	0.000	170.5
175	390.1	1.214	1.214	3955.739	0.000	170.3
180	335.1	1.228	1.228	4013.392	0.000	170.1
185	288.7	1.238	1.238	4055.874	0.000	170.0
190	251.2	1.246	1.246	4085.764	0.000	169.9
195	222.1	1.250	1.250	4105.689	0.000	169.8
200	201.3	1.253	1.253	4118.131	0.000	169.8
205	187.9	1.255	1.255	4125.452	0.000	169.7
210	180.5	1.256	1.256	4129.683	0.000	169.7
215	177.3	1.257	1.257	4132.364	0.000	169.7
220	175.8	1.257	1.257	4134.399	0.000	169.7
225	172.9	1.258	1.258	4135.851	0.000	169.7
230	165.0	1.258	1.258	4135.778	0.000	169.7
235	148.1	1.257	1.257	4132.103	0.000	169.7

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	119.2	1.254	1.254	4121.630	0.000	169.8
245	85.9	1.249	1.249	4101.536	0.000	169.8
250	56.9	1.242	1.242	4071.835	0.000	169.9
255	35.9	1.233	1.233	4034.664	0.000	170.1
260	23.0	1.223	1.223	3992.253	0.000	170.2
265	16.4	1.212	1.212	3947.029	0.000	170.3
270	12.1	1.200	1.200	3900.149	0.000	170.5
275	9.2	1.188	1.188	3852.169	0.000	170.6
280	7.2	1.176	1.176	3803.427	0.000	170.7
285	5.8	1.164	1.164	3754.133	0.000	170.9
290	4.7	1.152	1.152	3704.430	0.000	171.0
295	3.9	1.139	1.139	3654.421	0.000	171.1
300	3.4	1.126	1.126	3604.181	0.000	171.1
305	2.9	1.114	1.114	3553.766	0.000	171.2
310	2.6	1.101	1.101	3503.215	0.000	171.3
315	2.3	1.088	1.088	3452.559	0.000	171.3
320	2.1	1.075	1.075	3401.826	0.000	171.3
325	1.9	1.062	1.062	3351.027	0.000	171.4
330	1.8	1.048	1.048	3300.178	0.000	171.4
335	1.7	1.035	1.035	3249.295	0.000	171.3
340	1.6	1.022	1.022	3198.390	0.000	171.3
345	1.5	1.008	1.008	3147.471	0.000	171.2
350	1.4	0.995	0.995	3096.551	0.000	171.1
355	1.4	0.981	0.981	3045.667	0.000	171.0
360	1.5	0.968	0.968	2994.829	0.000	170.8
365	1.5	0.954	0.954	2944.039	0.000	170.7
370	1.5	0.940	0.940	2893.305	0.000	170.5
375	1.5	0.927	0.927	2842.636	0.000	170.2
380	1.5	0.913	0.913	2792.040	0.000	170.0
385	1.5	0.899	0.899	2741.531	0.000	169.7
390	1.5	0.885	0.885	2691.119	0.000	169.3
395	1.5	0.871	0.871	2640.810	0.000	169.0
400	1.5	0.857	0.857	2590.618	0.000	168.6
405	1.5	0.843	0.843	2540.556	0.000	168.1
410	1.6	0.829	0.829	2490.651	0.000	167.6
415	1.6	0.815	0.815	2440.909	0.000	167.1
420	1.6	0.801	0.801	2391.337	0.000	166.6
425	1.6	0.787	0.787	2341.948	0.000	165.9
430	1.7	0.772	0.772	2292.762	0.000	165.3
435	1.7	0.758	0.758	2243.787	0.000	164.6
440	1.7	0.744	0.744	2195.045	0.000	163.6
445	1.7	0.730	0.730	2146.676	0.000	162.2
450	1.7	0.716	0.716	2098.914	0.000	159.0
455	1.7	0.702	0.702	2052.314	0.000	155.1
460	1.8	0.688	0.688	2006.895	0.000	151.2
465	1.8	0.675	0.675	1962.636	0.000	147.4
470	1.8	0.662	0.662	1919.513	0.000	143.6
475	1.7	0.650	0.650	1877.532	0.000	139.8
480	1.7	0.637	0.637	1836.382	0.000	136.1

Highover Farm, Hitchin:	Date: 20/09/2024			
	Designed by: RH	Checked by: DSB	Approved By:	
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:			



164
Critical by Return Period: FEH 2013: 30 years: Increase Rainfall (%): +0: 120 mins: Summer

Type : Pond

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Tables

Half Drain Down Time (mins)	0
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.0	0.000	0.000	0.000	0.000	0.0
30	0.0	0.000	0.000	0.000	0.000	0.0
35	2.4	0.000	0.000	0.000	0.000	2.4
40	6.6	0.000	0.000	0.000	0.000	6.6
45	11.7	0.000	0.000	0.000	0.000	11.7
50	19.8	0.000	0.000	0.000	0.000	19.8
55	34.6	0.000	0.000	0.000	0.000	34.6
60	62.6	0.000	0.000	0.000	0.000	62.6
65	108.2	0.004	0.000	1.328	0.000	88.7
70	155.5	0.016	0.000	5.982	0.000	145.9
75	167.7	0.018	0.000	6.914	0.000	167.1
80	170.1	0.018	0.000	7.025	0.000	169.9
85	170.9	0.019	0.000	7.062	0.000	170.8
90	171.2	0.019	0.000	7.076	0.000	171.2
95	171.3	0.019	0.000	7.081	0.000	171.3
100	171.3	0.019	0.000	7.083	0.000	171.3
105	171.4	0.019	0.000	7.084	0.000	171.4
110	171.4	0.019	0.000	7.084	0.000	171.4
115	171.4	0.019	0.000	7.084	0.000	171.4
120	171.4	0.019	0.000	7.084	0.000	171.4
125	171.4	0.019	0.000	7.084	0.000	171.4
130	171.4	0.019	0.000	7.084	0.000	171.4
135	171.4	0.019	0.000	7.084	0.000	171.4
140	171.4	0.019	0.000	7.084	0.000	171.4
145	171.3	0.019	0.000	7.083	0.000	171.3
150	171.3	0.019	0.000	7.082	0.000	171.3
155	171.3	0.019	0.000	7.080	0.000	171.3
160	171.2	0.019	0.000	7.078	0.000	171.2
165	171.1	0.019	0.000	7.074	0.000	171.1
170	171.0	0.019	0.000	7.070	0.000	171.0
175	170.8	0.019	0.000	7.064	0.000	170.9
180	170.7	0.019	0.000	7.058	0.000	170.7
185	170.5	0.019	0.000	7.050	0.000	170.5
190	170.2	0.019	0.000	7.041	0.000	170.3
195	170.0	0.019	0.000	7.031	0.000	170.0
200	169.7	0.018	0.000	7.020	0.000	169.7
205	169.4	0.018	0.000	7.007	0.000	169.4
210	169.0	0.018	0.000	6.993	0.000	169.0
215	168.6	0.018	0.000	6.978	0.000	168.7
220	168.2	0.018	0.000	6.960	0.000	168.2
225	167.7	0.018	0.000	6.941	0.000	167.7
230	167.2	0.018	0.000	6.921	0.000	167.2
235	166.6	0.018	0.000	6.899	0.000	166.7
240	166.0	0.018	0.000	6.875	0.000	166.1

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		





161
Critical by Return Period: FEH 2013: 100 years: Increase Rainfall (%): +0: 240 mins: Winter

Type : Pond

Tables

Half Drain Down Time (mins)	283
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	2.7	0.000	0.000	0.137	0.000	0.0
10	14.1	0.003	0.000	2.484	0.000	0.0
15	23.3	0.010	0.000	8.146	0.000	0.0
20	30.7	0.018	0.000	16.062	0.000	0.0
25	124.1	0.041	0.000	38.792	0.000	0.0
30	193.0	0.075	0.001	87.621	0.000	0.0
35	209.8	0.091	0.017	148.692	0.000	0.2
40	213.4	0.101	0.064	212.068	0.000	1.8
45	216.5	0.113	0.104	275.469	0.000	4.6
50	222.2	0.135	0.130	339.545	0.000	7.3
55	230.7	0.158	0.155	404.668	0.000	10.4
60	247.2	0.183	0.181	472.435	0.000	14.1
65	274.6	0.209	0.208	545.476	0.000	18.4
70	315.3	0.239	0.238	627.209	0.000	23.9
75	370.0	0.272	0.271	721.369	0.000	30.9
80	438.4	0.311	0.310	831.623	0.000	39.8
85	518.5	0.356	0.355	961.073	0.000	51.1
90	608.0	0.407	0.406	1112.197	0.000	65.2
95	705.6	0.465	0.464	1286.983	0.000	82.4
100	806.1	0.529	0.528	1485.867	0.000	102.2
105	910.9	0.599	0.598	1709.349	0.000	124.5
110	1004.7	0.674	0.674	1955.797	0.000	146.7
115	1093.2	0.753	0.753	2223.496	0.000	164.3
120	1170.3	0.836	0.836	2513.580	0.000	167.9
125	1210.6	0.922	0.921	2821.310	0.000	170.1
130	1211.9	1.006	1.006	3134.776	0.000	171.2
135	1169.0	1.086	1.085	3441.402	0.000	171.3
140	1100.7	1.159	1.159	3731.059	0.000	170.9
145	1017.5	1.225	1.225	3998.044	0.000	170.2
150	925.2	1.283	1.283	4238.835	0.000	169.3
155	829.0	1.333	1.333	4451.537	0.000	168.4
160	733.2	1.376	1.376	4635.620	0.000	167.6
165	640.5	1.412	1.412	4791.644	0.000	166.7
170	554.4	1.441	1.441	4921.028	0.000	166.0
175	476.9	1.465	1.465	5026.024	0.000	165.3
180	409.3	1.483	1.483	5109.388	0.000	164.8
185	352.3	1.498	1.498	5174.153	0.000	164.4
190	306.5	1.509	1.509	5223.595	0.000	164.0
195	271.4	1.517	1.517	5260.961	0.000	163.7
200	246.2	1.523	1.523	5289.238	0.000	163.5
205	230.5	1.528	1.528	5311.559	0.000	163.3
210	222.1	1.532	1.532	5330.329	0.000	163.2
215	218.4	1.536	1.536	5347.359	0.000	163.0
220	216.8	1.540	1.540	5363.728	0.000	162.9
225	212.9	1.543	1.543	5379.416	0.000	162.8
230	202.2	1.546	1.546	5393.081	0.000	162.7
235	179.9	1.548	1.548	5401.955	0.000	162.6

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	141.9	1.548	1.548	5401.899	0.000	162.6
245	98.9	1.545	1.545	5389.378	0.000	162.7
250	63.2	1.540	1.540	5364.640	0.000	162.9
255	39.0	1.532	1.532	5330.913	0.000	163.2
260	24.6	1.523	1.523	5291.205	0.000	163.5
265	17.6	1.514	1.514	5248.371	0.000	163.8
270	13.2	1.504	1.504	5203.770	0.000	164.1
275	10.3	1.494	1.494	5157.971	0.000	164.5
280	8.2	1.484	1.484	5111.339	0.000	164.8
285	6.7	1.473	1.473	5064.086	0.000	165.1
290	5.6	1.462	1.462	5016.355	0.000	165.4
295	4.8	1.452	1.452	4968.245	0.000	165.7
300	4.1	1.441	1.441	4919.822	0.000	166.0
305	3.6	1.430	1.430	4871.140	0.000	166.3
310	2.5	1.418	1.418	4822.163	0.000	166.6
315	2.1	1.407	1.407	4772.835	0.000	166.8
320	1.9	1.396	1.396	4723.339	0.000	167.1
325	1.7	1.384	1.384	4673.701	0.000	167.4
330	1.5	1.373	1.373	4623.933	0.000	167.6
335	1.4	1.361	1.361	4574.046	0.000	167.9
340	1.3	1.350	1.350	4524.049	0.000	168.1
345	1.2	1.338	1.338	4473.957	0.000	168.3
350	1.1	1.326	1.326	4423.775	0.000	168.5
355	1.1	1.314	1.314	4373.504	0.000	168.8
360	1.0	1.302	1.302	4323.152	0.000	169.0
365	1.0	1.290	1.290	4272.725	0.000	169.2
370	0.9	1.278	1.278	4222.224	0.000	169.4
375	0.9	1.266	1.266	4171.652	0.000	169.6
380	0.9	1.254	1.254	4121.016	0.000	169.8
385	0.8	1.242	1.242	4070.319	0.000	169.9
390	0.8	1.229	1.229	4019.563	0.000	170.1
395	0.8	1.217	1.217	3968.753	0.000	170.3
400	0.8	1.204	1.204	3917.890	0.000	170.4
405	0.8	1.192	1.192	3866.980	0.000	170.6
410	0.8	1.179	1.179	3816.027	0.000	170.7
415	0.8	1.167	1.167	3765.033	0.000	170.8
420	0.8	1.154	1.154	3714.002	0.000	170.9
425	0.8	1.141	1.141	3662.936	0.000	171.0
430	0.8	1.128	1.128	3611.842	0.000	171.1
435	0.8	1.115	1.115	3560.724	0.000	171.2
440	0.8	1.102	1.102	3509.588	0.000	171.3
445	0.8	1.089	1.089	3458.437	0.000	171.3
450	0.8	1.076	1.076	3407.275	0.000	171.3
455	0.8	1.063	1.063	3356.108	0.000	171.4
460	0.8	1.050	1.050	3304.944	0.000	171.4
465	0.8	1.036	1.036	3253.787	0.000	171.3
470	0.8	1.023	1.023	3202.645	0.000	171.3
475	0.8	1.009	1.009	3151.522	0.000	171.2
480	0.8	0.996	0.996	3100.413	0.000	171.1

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		





164
Critical by Return Period: FEH 2013: 100 years: Increase Rainfall (%): +0: 30 mins: Winter

Type : Pond

Tables

Half Drain Down Time (mins)	1
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	61.9	0.000	0.000	0.000	0.000	61.9
25	158.0	0.015	0.000	5.460	0.000	135.7
30	170.5	0.019	0.000	7.030	0.000	170.0
35	171.3	0.019	0.000	7.081	0.000	171.3
40	171.3	0.019	0.000	7.084	0.000	171.4
45	171.3	0.019	0.000	7.083	0.000	171.3
50	171.3	0.019	0.000	7.083	0.000	171.3
55	171.4	0.019	0.000	7.084	0.000	171.4
60	171.4	0.019	0.000	7.084	0.000	171.4

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



161
Critical by Return Period: FEH 2013: 100 years: Increase Rainfall (%): +40: 360 mins: Winter

Type : Pond

Tables

Half Drain Down Time (mins)	409
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	1.5	0.000	0.000	0.070	0.000	0.0
10	9.6	0.002	0.000	1.617	0.000	0.0
15	17.4	0.007	0.000	5.648	0.000	0.0
20	23.6	0.014	0.000	11.832	0.000	0.0
25	76.5	0.026	0.000	23.253	0.000	0.0
30	150.0	0.056	0.000	57.204	0.000	0.0
35	189.9	0.080	0.004	109.233	0.000	0.0
40	204.2	0.093	0.031	168.499	0.000	0.4
45	211.8	0.103	0.079	230.580	0.000	2.7
50	218.2	0.119	0.112	293.788	0.000	5.4
55	220.6	0.141	0.137	357.729	0.000	8.1
60	220.9	0.164	0.162	421.075	0.000	11.3
65	220.9	0.186	0.185	483.479	0.000	14.8
70	223.0	0.209	0.208	545.055	0.000	18.4
75	227.4	0.231	0.230	606.414	0.000	22.5
80	235.3	0.253	0.252	668.324	0.000	26.9
85	247.2	0.276	0.275	731.770	0.000	31.8
90	263.9	0.299	0.298	797.972	0.000	37.1
95	286.0	0.323	0.323	868.250	0.000	42.9
100	313.6	0.350	0.349	944.165	0.000	49.5
105	348.1	0.378	0.377	1027.215	0.000	57.3
110	388.2	0.409	0.408	1118.975	0.000	65.9
115	434.4	0.443	0.442	1220.966	0.000	75.7
120	486.1	0.480	0.479	1334.371	0.000	87.2
125	542.0	0.520	0.520	1460.101	0.000	99.7
130	604.3	0.565	0.564	1599.965	0.000	113.7
135	666.6	0.612	0.612	1753.964	0.000	128.8
140	734.2	0.664	0.664	1923.076	0.000	144.0
145	803.0	0.719	0.719	2108.100	0.000	159.9
150	874.6	0.778	0.778	2310.616	0.000	165.5
155	943.5	0.842	0.841	2533.269	0.000	168.1
160	1009.7	0.909	0.909	2775.411	0.000	169.9
165	1073.9	0.980	0.979	3036.783	0.000	171.0
170	1129.4	1.053	1.053	3316.025	0.000	171.4
175	1178.0	1.129	1.129	3610.803	0.000	171.1
180	1216.8	1.205	1.205	3918.986	0.000	170.4
185	1239.6	1.283	1.282	4236.859	0.000	169.3
190	1239.0	1.358	1.358	4558.600	0.000	167.9
195	1216.3	1.432	1.432	4877.245	0.000	166.2
200	1178.3	1.501	1.501	5187.172	0.000	164.2
205	1131.1	1.566	1.566	5484.892	0.000	161.8
210	1071.1	1.627	1.627	5767.370	0.000	159.0
215	1007.1	1.683	1.683	6032.023	0.000	155.6
220	944.2	1.734	1.734	6278.692	0.000	151.8
225	879.0	1.780	1.780	6507.419	0.000	149.0
230	812.5	1.822	1.822	6716.342	0.000	150.7
235	747.7	1.859	1.859	6904.926	0.000	152.3

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	680.6	1.892	1.892	7073.341	0.000	153.8
245	620.7	1.921	1.921	7222.336	0.000	155.0
250	565.6	1.946	1.946	7353.460	0.000	156.1
255	509.7	1.968	1.968	7467.766	0.000	157.1
260	459.0	1.987	1.987	7565.811	0.000	157.9
265	413.6	2.002	2.002	7649.279	0.000	158.5
270	372.9	2.016	2.016	7719.560	0.000	159.1
275	337.3	2.026	2.026	7778.274	0.000	159.5
280	307.1	2.036	2.036	7826.993	0.000	159.9
285	281.2	2.043	2.043	7867.150	0.000	160.3
290	261.4	2.049	2.049	7900.365	0.000	160.5
295	245.9	2.054	2.054	7928.206	0.000	160.7
300	234.5	2.059	2.059	7951.942	0.000	160.9
305	226.9	2.063	2.063	7972.792	0.000	161.1
310	222.5	2.066	2.066	7991.802	0.000	161.2
315	220.5	2.069	2.069	8009.816	0.000	161.4
320	220.0	2.073	2.073	8027.433	0.000	161.5
325	219.8	2.076	2.076	8044.928	0.000	161.6
330	218.6	2.079	2.079	8062.212	0.000	161.8
335	215.2	2.082	2.082	8078.812	0.000	161.9
340	207.8	2.085	2.085	8093.814	0.000	162.0
345	195.5	2.087	2.087	8105.862	0.000	162.1
350	175.9	2.088	2.088	8113.143	0.000	162.1
355	148.8	2.088	2.088	8113.462	0.000	162.1
360	113.7	2.087	2.087	8104.468	0.000	162.1
365	79.2	2.083	2.083	8084.831	0.000	161.9
370	52.2	2.078	2.078	8055.834	0.000	161.7
375	33.0	2.071	2.071	8020.063	0.000	161.4
380	22.2	2.064	2.064	7979.787	0.000	161.1
385	16.4	2.056	2.056	7937.249	0.000	160.8
390	12.4	2.048	2.048	7893.347	0.000	160.5
395	9.8	2.039	2.039	7848.578	0.000	160.1
400	8.0	2.031	2.031	7803.248	0.000	159.7
405	6.6	2.022	2.022	7757.547	0.000	159.4
410	5.6	2.014	2.014	7711.606	0.000	159.0
415	4.9	2.005	2.005	7665.521	0.000	158.7
420	4.3	1.997	1.997	7619.353	0.000	158.3
425	3.9	1.988	1.988	7573.032	0.000	157.9
430	3.6	1.979	1.979	7526.946	0.000	157.6
435	3.3	1.970	1.970	7480.773	0.000	157.2
440	3.1	1.962	1.962	7434.645	0.000	156.8
445	2.9	1.953	1.953	7388.278	0.000	156.4
450	2.8	1.944	1.944	7342.569	0.000	156.0
455	2.7	1.935	1.935	7296.644	0.000	155.6
460	2.6	1.926	1.926	7250.805	0.000	155.3
465	2.5	1.917	1.917	7205.055	0.000	154.9
470	2.5	1.909	1.909	7159.398	0.000	154.5
475	2.4	1.900	1.900	7113.833	0.000	154.1
480	2.3	1.891	1.891	7068.363	0.000	153.7
485	2.2	1.882	1.882	7022.985	0.000	153.3
490	2.2	1.873	1.873	6977.702	0.000	152.9
495	2.1	1.864	1.864	6932.521	0.000	152.5
500	2.1	1.855	1.855	6887.451	0.000	152.1
505	2.1	1.847	1.847	6842.492	0.000	151.7
510	2.0	1.838	1.838	6797.642	0.000	151.3
515	2.0	1.829	1.829	6752.900	0.000	151.0
520	2.0	1.820	1.820	6708.270	0.000	150.6
525	2.0	1.811	1.811	6663.750	0.000	150.2

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
530	1.9	1.802	1.802	6619.344	0.000	149.8
535	1.9	1.793	1.793	6575.058	0.000	149.4
540	1.9	1.784	1.784	6530.885	0.000	149.0
545	1.9	1.775	1.775	6486.766	0.000	148.9
550	1.9	1.767	1.767	6442.682	0.000	148.8
555	1.9	1.758	1.758	6398.504	0.000	149.6
560	1.9	1.749	1.749	6354.074	0.000	150.4
565	1.9	1.739	1.739	6309.393	0.000	151.2
570	1.9	1.730	1.730	6264.463	0.000	152.1
575	1.9	1.721	1.721	6219.295	0.000	152.8
580	1.9	1.712	1.712	6173.907	0.000	153.5
585	1.9	1.702	1.702	6128.303	0.000	154.2
590	1.9	1.693	1.693	6082.492	0.000	154.9
595	1.9	1.683	1.683	6036.476	0.000	155.6
600	1.9	1.673	1.673	5990.257	0.000	156.3
605	1.9	1.664	1.664	5943.841	0.000	156.9
610	1.9	1.654	1.654	5897.244	0.000	157.5
615	1.8	1.644	1.644	5850.470	0.000	158.0
620	1.8	1.634	1.634	5803.528	0.000	158.6
625	1.8	1.624	1.624	5756.418	0.000	159.1
630	1.8	1.614	1.614	5709.141	0.000	159.7
635	1.8	1.604	1.604	5661.702	0.000	160.2
640	1.8	1.594	1.594	5614.115	0.000	160.7
645	1.8	1.583	1.583	5566.385	0.000	161.1
650	1.8	1.573	1.573	5518.533	0.000	161.6
655	1.8	1.563	1.563	5470.552	0.000	162.0
660	1.8	1.552	1.552	5422.441	0.000	162.4
665	1.8	1.542	1.542	5374.208	0.000	162.8
670	1.8	1.531	1.531	5325.856	0.000	163.2
675	1.8	1.520	1.520	5277.389	0.000	163.6
680	1.8	1.510	1.510	5228.807	0.000	163.9
685	1.8	1.499	1.499	5180.108	0.000	164.3
690	1.8	1.488	1.488	5131.295	0.000	164.7
695	1.7	1.477	1.477	5082.374	0.000	165.0
700	1.7	1.466	1.466	5033.344	0.000	165.3
705	1.6	1.455	1.455	4984.208	0.000	165.6
710	1.6	1.444	1.444	4934.960	0.000	165.9
715	1.5	1.433	1.433	4885.599	0.000	166.2
720	1.3	1.422	1.422	4835.988	0.000	166.5

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



164
Critical by Return Period: FEH 2013: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Type : Pond

Tables

Half Drain Down Time (mins)	0
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.0	0.000	0.000	0.000	0.000	0.0
30	0.0	0.000	0.000	0.000	0.000	0.0
35	0.0	0.000	0.000	0.000	0.000	0.0
40	0.0	0.000	0.000	0.000	0.000	0.0
45	0.0	0.000	0.000	0.000	0.000	0.0
50	0.0	0.000	0.000	0.000	0.000	0.0
55	0.0	0.000	0.000	0.000	0.000	0.0
60	0.0	0.000	0.000	0.000	0.000	0.0
65	0.1	0.000	0.000	0.000	0.000	0.1
70	0.4	0.000	0.000	0.000	0.000	0.4
75	0.7	0.000	0.000	0.000	0.000	0.7
80	1.0	0.000	0.000	0.000	0.000	1.0
85	1.3	0.000	0.000	0.000	0.000	1.3
90	1.6	0.000	0.000	0.000	0.000	1.6
95	1.9	0.000	0.000	0.000	0.000	1.9
100	2.2	0.000	0.000	0.000	0.000	2.2
105	2.6	0.000	0.000	0.000	0.000	2.6
110	2.9	0.000	0.000	0.000	0.000	2.9
115	3.3	0.000	0.000	0.000	0.000	3.3
120	3.7	0.000	0.000	0.000	0.000	3.7
125	4.1	0.000	0.000	0.000	0.000	4.1
130	4.5	0.000	0.000	0.000	0.000	4.5
135	5.0	0.000	0.000	0.000	0.000	5.0
140	5.5	0.000	0.000	0.000	0.000	5.5
145	6.0	0.000	0.000	0.000	0.000	6.0
150	6.5	0.000	0.000	0.000	0.000	6.5
155	7.0	0.000	0.000	0.000	0.000	7.0
160	7.5	0.000	0.000	0.000	0.000	7.5
165	8.1	0.000	0.000	0.000	0.000	8.1
170	8.6	0.000	0.000	0.000	0.000	8.6
175	9.2	0.000	0.000	0.000	0.000	9.2
180	9.8	0.000	0.000	0.000	0.000	9.8
185	10.5	0.000	0.000	0.000	0.000	10.5
190	11.1	0.000	0.000	0.000	0.000	11.1
195	11.7	0.000	0.000	0.000	0.000	11.7
200	12.4	0.000	0.000	0.000	0.000	12.4
205	13.0	0.000	0.000	0.000	0.000	13.0
210	13.6	0.000	0.000	0.000	0.000	13.6
215	14.3	0.000	0.000	0.000	0.000	14.3
220	15.0	0.000	0.000	0.000	0.000	15.0
225	15.7	0.000	0.000	0.000	0.000	15.7
230	16.3	0.000	0.000	0.000	0.000	16.3
235	17.0	0.000	0.000	0.000	0.000	17.0

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	17.7	0.000	0.000	0.000	0.000	17.7
245	18.4	0.000	0.000	0.000	0.000	18.4
250	19.1	0.000	0.000	0.000	0.000	19.1
255	19.8	0.000	0.000	0.000	0.000	19.8
260	20.6	0.000	0.000	0.000	0.000	20.6
265	21.3	0.000	0.000	0.000	0.000	21.3
270	22.0	0.000	0.000	0.000	0.000	22.0
275	22.8	0.000	0.000	0.000	0.000	22.8
280	23.5	0.000	0.000	0.000	0.000	23.5
285	24.2	0.000	0.000	0.000	0.000	24.2
290	24.9	0.000	0.000	0.000	0.000	24.9
295	25.7	0.000	0.000	0.000	0.000	25.7
300	26.5	0.000	0.000	0.000	0.000	26.5
305	27.3	0.000	0.000	0.000	0.000	27.3
310	28.1	0.000	0.000	0.000	0.000	28.1
315	28.9	0.000	0.000	0.000	0.000	28.9
320	29.6	0.000	0.000	0.000	0.000	29.6
325	30.4	0.000	0.000	0.000	0.000	30.4
330	31.2	0.000	0.000	0.000	0.000	31.2
335	32.0	0.000	0.000	0.000	0.000	32.0
340	32.8	0.000	0.000	0.000	0.000	32.8
345	33.6	0.000	0.000	0.000	0.000	33.6
350	34.4	0.000	0.000	0.000	0.000	34.4
355	35.2	0.000	0.000	0.000	0.000	35.2
360	36.0	0.000	0.000	0.000	0.000	36.0
365	36.8	0.000	0.000	0.000	0.000	36.8
370	37.6	0.000	0.000	0.000	0.000	37.6
375	38.4	0.000	0.000	0.000	0.000	38.4
380	39.2	0.000	0.000	0.000	0.000	39.2
385	40.1	0.000	0.000	0.000	0.000	40.1
390	40.9	0.000	0.000	0.000	0.000	40.9
395	41.8	0.000	0.000	0.000	0.000	41.8
400	42.6	0.000	0.000	0.000	0.000	42.6
405	43.5	0.000	0.000	0.000	0.000	43.5
410	44.4	0.000	0.000	0.000	0.000	44.4
415	45.2	0.000	0.000	0.000	0.000	45.2
420	46.1	0.000	0.000	0.000	0.000	46.1
425	47.0	0.000	0.000	0.000	0.000	47.0
430	48.0	0.000	0.000	0.000	0.000	48.0
435	49.0	0.000	0.000	0.000	0.000	49.0
440	50.0	0.000	0.000	0.000	0.000	50.0
445	51.0	0.000	0.000	0.000	0.000	51.0
450	52.1	0.000	0.000	0.000	0.000	52.1
455	53.1	0.000	0.000	0.000	0.000	53.1
460	54.2	0.000	0.000	0.000	0.000	54.2
465	55.4	0.000	0.000	0.000	0.000	55.4
470	56.5	0.000	0.000	0.000	0.000	56.5
475	57.7	0.000	0.000	0.000	0.000	57.7
480	59.0	0.000	0.000	0.000	0.000	59.0
485	60.3	0.000	0.000	0.000	0.000	60.3
490	61.6	0.000	0.000	0.000	0.000	61.6
495	63.0	0.000	0.000	0.000	0.000	63.0
500	64.5	0.000	0.000	0.000	0.000	64.5
505	65.9	0.000	0.000	0.000	0.000	65.9
510	67.5	0.000	0.000	0.000	0.000	67.5
515	69.2	0.000	0.000	0.000	0.000	69.2
520	70.8	0.000	0.000	0.000	0.000	70.8
525	72.6	0.000	0.000	0.000	0.000	72.6

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
530	74.5	0.000	0.000	0.000	0.000	74.5
535	76.5	0.000	0.000	0.000	0.000	76.5
540	78.6	0.000	0.000	0.000	0.000	78.6
545	80.9	0.000	0.000	0.000	0.000	80.9
550	83.2	0.000	0.000	0.000	0.000	83.2
555	85.7	0.000	0.000	0.000	0.000	85.7
560	88.3	0.001	0.000	0.229	0.000	86.3
565	91.0	0.003	0.000	1.069	0.000	87.8
570	93.8	0.005	0.000	1.922	0.000	91.5
575	96.7	0.007	0.000	2.471	0.000	95.2
580	99.7	0.008	0.000	2.866	0.000	98.5
585	102.9	0.009	0.000	3.205	0.000	101.8
590	106.2	0.009	0.000	3.515	0.000	105.2
595	109.8	0.010	0.000	3.812	0.000	108.8
600	113.5	0.011	0.000	4.096	0.000	112.6
605	117.3	0.012	0.000	4.365	0.000	116.4
610	121.2	0.012	0.000	4.619	0.000	120.3
615	125.1	0.013	0.000	4.865	0.000	124.3
620	129.2	0.013	0.000	5.103	0.000	128.5
625	133.4	0.014	0.000	5.335	0.000	132.7
630	137.5	0.015	0.000	5.554	0.000	136.8
635	141.1	0.015	0.000	5.744	0.000	140.6
640	146.0	0.016	0.000	5.962	0.000	145.1
645	150.3	0.016	0.000	6.172	0.000	149.7
650	154.8	0.017	0.000	6.374	0.000	154.2
655	159.4	0.017	0.000	6.572	0.000	158.8
660	162.6	0.018	0.000	6.723	0.000	162.4
665	164.2	0.018	0.000	6.791	0.000	164.0
670	165.1	0.018	0.000	6.831	0.000	165.0
675	166.0	0.018	0.000	6.867	0.000	165.9
680	166.9	0.018	0.000	6.901	0.000	166.7
685	167.6	0.018	0.000	6.932	0.000	167.5
690	168.4	0.018	0.000	6.962	0.000	168.3
695	169.0	0.018	0.000	6.989	0.000	168.9
700	169.6	0.018	0.000	7.012	0.000	169.5
705	170.1	0.019	0.000	7.033	0.000	170.1
710	170.5	0.019	0.000	7.050	0.000	170.5
715	170.9	0.019	0.000	7.063	0.000	170.8
720	171.1	0.019	0.000	7.074	0.000	171.1
725	171.3	0.019	0.000	7.080	0.000	171.3
730	171.4	0.019	0.000	7.083	0.000	171.3
735	171.3	0.019	0.000	7.083	0.000	171.3
740	171.2	0.019	0.000	7.080	0.000	171.3
745	171.1	0.019	0.000	7.074	0.000	171.1
750	170.9	0.019	0.000	7.067	0.000	170.9
755	170.7	0.019	0.000	7.058	0.000	170.7
760	170.4	0.019	0.000	7.049	0.000	170.5
765	170.2	0.019	0.000	7.039	0.000	170.2
770	169.9	0.019	0.000	7.028	0.000	169.9
775	169.6	0.018	0.000	7.018	0.000	169.7
780	169.4	0.018	0.000	7.007	0.000	169.4
785	169.1	0.018	0.000	6.996	0.000	169.1
790	168.8	0.018	0.000	6.986	0.000	168.9
795	168.5	0.018	0.000	6.975	0.000	168.6
800	168.3	0.018	0.000	6.964	0.000	168.3
805	168.0	0.018	0.000	6.954	0.000	168.1
810	167.8	0.018	0.000	6.944	0.000	167.8
815	167.5	0.018	0.000	6.935	0.000	167.6

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
820	167.3	0.018	0.000	6.925	0.000	167.3
825	167.1	0.018	0.000	6.916	0.000	167.1
830	166.9	0.018	0.000	6.907	0.000	166.9
835	166.7	0.018	0.000	6.899	0.000	166.7
840	166.5	0.018	0.000	6.891	0.000	166.5
845	166.3	0.018	0.000	6.884	0.000	166.3
850	166.1	0.018	0.000	6.877	0.000	166.1
855	166.0	0.018	0.000	6.871	0.000	166.0
860	165.8	0.018	0.000	6.865	0.000	165.8
865	165.7	0.018	0.000	6.859	0.000	165.7
870	165.5	0.018	0.000	6.854	0.000	165.6
875	165.4	0.018	0.000	6.850	0.000	165.5
880	165.4	0.018	0.000	6.846	0.000	165.4
885	165.3	0.018	0.000	6.843	0.000	165.3
890	165.2	0.018	0.000	6.840	0.000	165.2
895	165.2	0.018	0.000	6.839	0.000	165.2
900	165.1	0.018	0.000	6.837	0.000	165.1
905	165.1	0.018	0.000	6.836	0.000	165.1
910	165.1	0.018	0.000	6.836	0.000	165.1
915	165.1	0.018	0.000	6.836	0.000	165.1
920	165.1	0.018	0.000	6.836	0.000	165.1
925	165.1	0.018	0.000	6.837	0.000	165.1
930	165.2	0.018	0.000	6.838	0.000	165.2
935	165.2	0.018	0.000	6.840	0.000	165.2
940	165.3	0.018	0.000	6.842	0.000	165.3
945	165.3	0.018	0.000	6.844	0.000	165.3
950	165.4	0.018	0.000	6.847	0.000	165.4
955	165.5	0.018	0.000	6.850	0.000	165.5
960	165.6	0.018	0.000	6.854	0.000	165.6
965	165.7	0.018	0.000	6.857	0.000	165.6
970	165.7	0.018	0.000	6.861	0.000	165.7
975	165.8	0.018	0.000	6.865	0.000	165.8
980	165.9	0.018	0.000	6.869	0.000	165.9
985	166.1	0.018	0.000	6.873	0.000	166.0
990	166.2	0.018	0.000	6.878	0.000	166.2
995	166.3	0.018	0.000	6.882	0.000	166.3
1000	166.4	0.018	0.000	6.887	0.000	166.4
1005	166.5	0.018	0.000	6.892	0.000	166.5
1010	166.6	0.018	0.000	6.897	0.000	166.6
1015	166.8	0.018	0.000	6.901	0.000	166.7
1020	166.9	0.018	0.000	6.906	0.000	166.9
1025	167.0	0.018	0.000	6.911	0.000	167.0
1030	167.1	0.018	0.000	6.916	0.000	167.1
1035	167.3	0.018	0.000	6.921	0.000	167.2
1040	167.4	0.018	0.000	6.927	0.000	167.4
1045	167.5	0.018	0.000	6.932	0.000	167.5
1050	167.7	0.018	0.000	6.937	0.000	167.6
1055	167.8	0.018	0.000	6.942	0.000	167.8
1060	167.9	0.018	0.000	6.947	0.000	167.9
1065	168.0	0.018	0.000	6.952	0.000	168.0
1070	168.2	0.018	0.000	6.957	0.000	168.1
1075	168.3	0.018	0.000	6.962	0.000	168.3
1080	168.4	0.018	0.000	6.967	0.000	168.4
1085	168.5	0.018	0.000	6.972	0.000	168.5
1090	168.7	0.018	0.000	6.977	0.000	168.7
1095	168.8	0.018	0.000	6.983	0.000	168.8
1100	168.9	0.018	0.000	6.987	0.000	168.9
1105	169.0	0.018	0.000	6.992	0.000	169.0

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1110	169.2	0.018	0.000	6.997	0.000	169.1
1115	169.3	0.018	0.000	7.002	0.000	169.3
1120	169.4	0.018	0.000	7.007	0.000	169.4
1125	169.5	0.018	0.000	7.011	0.000	169.5
1130	169.6	0.018	0.000	7.016	0.000	169.6
1135	169.7	0.018	0.000	7.020	0.000	169.7
1140	169.9	0.018	0.000	7.024	0.000	169.8
1145	170.0	0.019	0.000	7.029	0.000	169.9
1150	170.1	0.019	0.000	7.033	0.000	170.1
1155	170.2	0.019	0.000	7.037	0.000	170.2
1160	170.3	0.019	0.000	7.041	0.000	170.3
1165	170.4	0.019	0.000	7.045	0.000	170.4
1170	170.5	0.019	0.000	7.049	0.000	170.5
1175	170.6	0.019	0.000	7.052	0.000	170.5
1180	170.6	0.019	0.000	7.056	0.000	170.6
1185	170.7	0.019	0.000	7.059	0.000	170.7
1190	170.8	0.019	0.000	7.062	0.000	170.8
1195	170.9	0.019	0.000	7.065	0.000	170.9
1200	171.0	0.019	0.000	7.068	0.000	171.0
1205	171.0	0.019	0.000	7.071	0.000	171.0
1210	171.1	0.019	0.000	7.073	0.000	171.1
1215	171.2	0.019	0.000	7.076	0.000	171.1
1220	171.2	0.019	0.000	7.077	0.000	171.2
1225	171.2	0.019	0.000	7.079	0.000	171.2
1230	171.3	0.019	0.000	7.080	0.000	171.3
1235	171.3	0.019	0.000	7.082	0.000	171.3
1240	171.3	0.019	0.000	7.083	0.000	171.3
1245	171.4	0.019	0.000	7.083	0.000	171.3
1250	171.4	0.019	0.000	7.084	0.000	171.4
1255	171.4	0.019	0.000	7.084	0.000	171.4
1260	171.3	0.019	0.000	7.083	0.000	171.3
1265	171.3	0.019	0.000	7.082	0.000	171.3
1270	171.3	0.019	0.000	7.081	0.000	171.3
1275	171.2	0.019	0.000	7.080	0.000	171.2
1280	171.2	0.019	0.000	7.078	0.000	171.2
1285	171.1	0.019	0.000	7.075	0.000	171.1
1290	171.1	0.019	0.000	7.072	0.000	171.1
1295	171.0	0.019	0.000	7.069	0.000	171.0
1300	170.9	0.019	0.000	7.065	0.000	170.9
1305	170.7	0.019	0.000	7.060	0.000	170.8
1310	170.6	0.019	0.000	7.055	0.000	170.6
1315	170.5	0.019	0.000	7.050	0.000	170.5
1320	170.3	0.019	0.000	7.044	0.000	170.3
1325	170.1	0.019	0.000	7.037	0.000	170.2
1330	169.9	0.019	0.000	7.029	0.000	170.0
1335	169.7	0.018	0.000	7.021	0.000	169.8
1340	169.5	0.018	0.000	7.012	0.000	169.5
1345	169.2	0.018	0.000	7.002	0.000	169.3
1350	169.0	0.018	0.000	6.992	0.000	169.0
1355	168.7	0.018	0.000	6.981	0.000	168.7
1360	168.4	0.018	0.000	6.969	0.000	168.4
1365	168.1	0.018	0.000	6.956	0.000	168.1
1370	167.7	0.018	0.000	6.942	0.000	167.8
1375	167.3	0.018	0.000	6.928	0.000	167.4
1380	167.0	0.018	0.000	6.912	0.000	167.0
1385	166.5	0.018	0.000	6.896	0.000	166.6
1390	166.1	0.018	0.000	6.879	0.000	166.2
1395	165.6	0.018	0.000	6.860	0.000	165.7

Highover Farm, Hitchin:	Date: 20/09/2024		
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Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1400	165.1	0.018	0.000	6.840	0.000	165.2
1405	164.6	0.018	0.000	6.819	0.000	164.7
1410	164.1	0.018	0.000	6.798	0.000	164.2
1415	163.1	0.018	0.000	6.760	0.000	163.3
1420	162.1	0.018	0.000	6.719	0.000	162.3
1425	159.8	0.017	0.000	6.633	0.000	160.2
1430	156.9	0.017	0.000	6.512	0.000	157.3
1435	154.1	0.017	0.000	6.391	0.000	154.5
1440	151.3	0.017	0.000	6.268	0.000	151.7
1445	148.6	0.016	0.000	6.144	0.000	149.0
1450	145.7	0.016	0.000	6.013	0.000	146.2
1455	142.7	0.015	0.000	5.872	0.000	143.2
1460	139.6	0.015	0.000	5.720	0.000	140.1
1465	136.3	0.015	0.000	5.560	0.000	136.9
1470	133.4	0.014	0.000	5.415	0.000	134.1
1475	130.0	0.014	0.000	5.227	0.000	130.6
1480	126.6	0.013	0.000	5.036	0.000	127.2
1485	123.1	0.013	0.000	4.837	0.000	123.8
1490	119.8	0.012	0.000	4.631	0.000	120.5
1495	116.4	0.012	0.000	4.417	0.000	117.2
1500	113.1	0.011	0.000	4.192	0.000	113.9
1505	109.8	0.010	0.000	3.955	0.000	110.6
1510	106.6	0.010	0.000	3.708	0.000	107.5
1515	103.6	0.009	0.000	3.452	0.000	104.5
1520	100.6	0.008	0.000	3.185	0.000	101.6
1525	97.7	0.008	0.000	2.898	0.000	98.7
1530	94.9	0.007	0.000	2.587	0.000	96.0
1535	92.2	0.006	0.000	2.242	0.000	93.4
1540	89.6	0.005	0.000	1.849	0.000	91.0
1545	87.0	0.004	0.000	1.375	0.000	88.8
1550	84.4	0.002	0.000	0.754	0.000	86.9
1555	82.0	0.000	0.000	0.000	0.000	82.0
1560	79.6	0.000	0.000	0.000	0.000	79.6
1565	77.2	0.000	0.000	0.000	0.000	77.2
1570	75.0	0.000	0.000	0.000	0.000	75.0
1575	72.9	0.000	0.000	0.000	0.000	72.9
1580	70.8	0.000	0.000	0.000	0.000	70.8
1585	68.9	0.000	0.000	0.000	0.000	68.9
1590	66.9	0.000	0.000	0.000	0.000	66.9
1595	65.1	0.000	0.000	0.000	0.000	65.1
1600	63.3	0.000	0.000	0.000	0.000	63.3
1605	61.6	0.000	0.000	0.000	0.000	61.6
1610	59.9	0.000	0.000	0.000	0.000	59.9
1615	58.2	0.000	0.000	0.000	0.000	58.2
1620	56.6	0.000	0.000	0.000	0.000	56.6
1625	55.1	0.000	0.000	0.000	0.000	55.1
1630	53.6	0.000	0.000	0.000	0.000	53.6
1635	52.1	0.000	0.000	0.000	0.000	52.1
1640	50.7	0.000	0.000	0.000	0.000	50.7
1645	49.4	0.000	0.000	0.000	0.000	49.4
1650	48.0	0.000	0.000	0.000	0.000	48.0
1655	46.8	0.000	0.000	0.000	0.000	46.8
1660	45.6	0.000	0.000	0.000	0.000	45.6
1665	44.5	0.000	0.000	0.000	0.000	44.5
1670	43.4	0.000	0.000	0.000	0.000	43.4
1675	42.3	0.000	0.000	0.000	0.000	42.3
1680	41.2	0.000	0.000	0.000	0.000	41.2
1685	40.2	0.000	0.000	0.000	0.000	40.2

Highover Farm, Hitchin:	Date: 20/09/2024		
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Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1690	39.2	0.000	0.000	0.000	0.000	39.2
1695	38.3	0.000	0.000	0.000	0.000	38.3
1700	37.4	0.000	0.000	0.000	0.000	37.4
1705	36.5	0.000	0.000	0.000	0.000	36.5
1710	35.6	0.000	0.000	0.000	0.000	35.6
1715	34.8	0.000	0.000	0.000	0.000	34.8
1720	34.0	0.000	0.000	0.000	0.000	34.0
1725	33.2	0.000	0.000	0.000	0.000	33.2
1730	32.4	0.000	0.000	0.000	0.000	32.4
1735	31.6	0.000	0.000	0.000	0.000	31.6
1740	30.9	0.000	0.000	0.000	0.000	30.9
1745	30.2	0.000	0.000	0.000	0.000	30.2
1750	29.5	0.000	0.000	0.000	0.000	29.5
1755	28.9	0.000	0.000	0.000	0.000	28.9
1760	28.2	0.000	0.000	0.000	0.000	28.2
1765	27.6	0.000	0.000	0.000	0.000	27.6
1770	27.0	0.000	0.000	0.000	0.000	27.0
1775	26.4	0.000	0.000	0.000	0.000	26.4
1780	25.8	0.000	0.000	0.000	0.000	25.8
1785	25.2	0.000	0.000	0.000	0.000	25.2
1790	24.7	0.000	0.000	0.000	0.000	24.7
1795	24.2	0.000	0.000	0.000	0.000	24.2
1800	23.7	0.000	0.000	0.000	0.000	23.7
1805	23.2	0.000	0.000	0.000	0.000	23.2
1810	22.8	0.000	0.000	0.000	0.000	22.8
1815	22.3	0.000	0.000	0.000	0.000	22.3
1820	21.9	0.000	0.000	0.000	0.000	21.9
1825	21.4	0.000	0.000	0.000	0.000	21.4
1830	21.0	0.000	0.000	0.000	0.000	21.0
1835	20.6	0.000	0.000	0.000	0.000	20.6
1840	20.2	0.000	0.000	0.000	0.000	20.2
1845	19.8	0.000	0.000	0.000	0.000	19.8
1850	19.4	0.000	0.000	0.000	0.000	19.4
1855	19.0	0.000	0.000	0.000	0.000	19.0
1860	18.7	0.000	0.000	0.000	0.000	18.7
1865	18.3	0.000	0.000	0.000	0.000	18.3
1870	18.0	0.000	0.000	0.000	0.000	18.0
1875	17.7	0.000	0.000	0.000	0.000	17.7
1880	17.4	0.000	0.000	0.000	0.000	17.4
1885	17.0	0.000	0.000	0.000	0.000	17.0
1890	16.7	0.000	0.000	0.000	0.000	16.7
1895	16.5	0.000	0.000	0.000	0.000	16.5
1900	16.2	0.000	0.000	0.000	0.000	16.2
1905	15.9	0.000	0.000	0.000	0.000	15.9
1910	15.6	0.000	0.000	0.000	0.000	15.6
1915	15.3	0.000	0.000	0.000	0.000	15.3
1920	15.1	0.000	0.000	0.000	0.000	15.1
1925	14.8	0.000	0.000	0.000	0.000	14.8
1930	14.5	0.000	0.000	0.000	0.000	14.5
1935	14.3	0.000	0.000	0.000	0.000	14.3
1940	14.0	0.000	0.000	0.000	0.000	14.0
1945	13.8	0.000	0.000	0.000	0.000	13.8
1950	13.6	0.000	0.000	0.000	0.000	13.6
1955	13.3	0.000	0.000	0.000	0.000	13.3
1960	13.1	0.000	0.000	0.000	0.000	13.1
1965	12.9	0.000	0.000	0.000	0.000	12.9
1970	12.7	0.000	0.000	0.000	0.000	12.7
1975	12.5	0.000	0.000	0.000	0.000	12.5

Highover Farm, Hitchin:	Date: 20/09/2024		
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
1980	12.3	0.000	0.000	0.000	0.000	12.3
1985	12.1	0.000	0.000	0.000	0.000	12.1
1990	11.9	0.000	0.000	0.000	0.000	11.9
1995	11.7	0.000	0.000	0.000	0.000	11.7
2000	11.6	0.000	0.000	0.000	0.000	11.6
2005	11.4	0.000	0.000	0.000	0.000	11.4
2010	11.2	0.000	0.000	0.000	0.000	11.2
2015	11.0	0.000	0.000	0.000	0.000	11.0
2020	10.9	0.000	0.000	0.000	0.000	10.9
2025	10.7	0.000	0.000	0.000	0.000	10.7
2030	10.5	0.000	0.000	0.000	0.000	10.5
2035	10.4	0.000	0.000	0.000	0.000	10.4
2040	10.2	0.000	0.000	0.000	0.000	10.2
2045	10.1	0.000	0.000	0.000	0.000	10.1
2050	9.9	0.000	0.000	0.000	0.000	9.9
2055	9.8	0.000	0.000	0.000	0.000	9.8
2060	9.6	0.000	0.000	0.000	0.000	9.6
2065	9.5	0.000	0.000	0.000	0.000	9.5
2070	9.3	0.000	0.000	0.000	0.000	9.3
2075	9.2	0.000	0.000	0.000	0.000	9.2
2080	9.1	0.000	0.000	0.000	0.000	9.1
2085	8.9	0.000	0.000	0.000	0.000	8.9
2090	8.8	0.000	0.000	0.000	0.000	8.8
2095	8.7	0.000	0.000	0.000	0.000	8.7
2100	8.5	0.000	0.000	0.000	0.000	8.5
2105	8.4	0.000	0.000	0.000	0.000	8.4
2110	8.3	0.000	0.000	0.000	0.000	8.3
2115	8.2	0.000	0.000	0.000	0.000	8.2
2120	8.1	0.000	0.000	0.000	0.000	8.1
2125	8.0	0.000	0.000	0.000	0.000	8.0
2130	7.9	0.000	0.000	0.000	0.000	7.9
2135	7.8	0.000	0.000	0.000	0.000	7.8
2140	7.7	0.000	0.000	0.000	0.000	7.7
2145	7.6	0.000	0.000	0.000	0.000	7.6
2150	7.5	0.000	0.000	0.000	0.000	7.5
2155	7.4	0.000	0.000	0.000	0.000	7.4
2160	7.3	0.000	0.000	0.000	0.000	7.3
2165	7.3	0.000	0.000	0.000	0.000	7.3
2170	7.2	0.000	0.000	0.000	0.000	7.2
2175	7.1	0.000	0.000	0.000	0.000	7.1
2180	7.0	0.000	0.000	0.000	0.000	7.0
2185	6.9	0.000	0.000	0.000	0.000	6.9
2190	6.8	0.000	0.000	0.000	0.000	6.8
2195	6.7	0.000	0.000	0.000	0.000	6.7
2200	6.7	0.000	0.000	0.000	0.000	6.7
2205	6.6	0.000	0.000	0.000	0.000	6.6
2210	6.5	0.000	0.000	0.000	0.000	6.5
2215	6.4	0.000	0.000	0.000	0.000	6.4
2220	6.4	0.000	0.000	0.000	0.000	6.4
2225	6.3	0.000	0.000	0.000	0.000	6.3
2230	6.2	0.000	0.000	0.000	0.000	6.2
2235	6.1	0.000	0.000	0.000	0.000	6.1
2240	6.1	0.000	0.000	0.000	0.000	6.1
2245	6.0	0.000	0.000	0.000	0.000	6.0
2250	5.9	0.000	0.000	0.000	0.000	5.9
2255	5.8	0.000	0.000	0.000	0.000	5.8
2260	5.8	0.000	0.000	0.000	0.000	5.8
2265	5.7	0.000	0.000	0.000	0.000	5.7

Highover Farm, Hitchin:	Date: 20/09/2024		
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2270	5.6	0.000	0.000	0.000	0.000	5.6
2275	5.6	0.000	0.000	0.000	0.000	5.6
2280	5.5	0.000	0.000	0.000	0.000	5.5
2285	5.5	0.000	0.000	0.000	0.000	5.5
2290	5.4	0.000	0.000	0.000	0.000	5.4
2295	5.3	0.000	0.000	0.000	0.000	5.3
2300	5.3	0.000	0.000	0.000	0.000	5.3
2305	5.2	0.000	0.000	0.000	0.000	5.2
2310	5.1	0.000	0.000	0.000	0.000	5.1
2315	5.1	0.000	0.000	0.000	0.000	5.1
2320	5.0	0.000	0.000	0.000	0.000	5.0
2325	5.0	0.000	0.000	0.000	0.000	5.0
2330	4.9	0.000	0.000	0.000	0.000	4.9
2335	4.9	0.000	0.000	0.000	0.000	4.9
2340	4.8	0.000	0.000	0.000	0.000	4.8
2345	4.8	0.000	0.000	0.000	0.000	4.8
2350	4.7	0.000	0.000	0.000	0.000	4.7
2355	4.7	0.000	0.000	0.000	0.000	4.7
2360	4.6	0.000	0.000	0.000	0.000	4.6
2365	4.6	0.000	0.000	0.000	0.000	4.6
2370	4.6	0.000	0.000	0.000	0.000	4.6
2375	4.5	0.000	0.000	0.000	0.000	4.5
2380	4.5	0.000	0.000	0.000	0.000	4.5
2385	4.4	0.000	0.000	0.000	0.000	4.4
2390	4.4	0.000	0.000	0.000	0.000	4.4
2395	4.3	0.000	0.000	0.000	0.000	4.3
2400	4.3	0.000	0.000	0.000	0.000	4.3
2405	4.3	0.000	0.000	0.000	0.000	4.3
2410	4.2	0.000	0.000	0.000	0.000	4.2
2415	4.2	0.000	0.000	0.000	0.000	4.2
2420	4.2	0.000	0.000	0.000	0.000	4.2
2425	4.1	0.000	0.000	0.000	0.000	4.1
2430	4.1	0.000	0.000	0.000	0.000	4.1
2435	4.0	0.000	0.000	0.000	0.000	4.0
2440	4.0	0.000	0.000	0.000	0.000	4.0
2445	4.0	0.000	0.000	0.000	0.000	4.0
2450	3.9	0.000	0.000	0.000	0.000	3.9
2455	3.9	0.000	0.000	0.000	0.000	3.9
2460	3.9	0.000	0.000	0.000	0.000	3.9
2465	3.8	0.000	0.000	0.000	0.000	3.8
2470	3.8	0.000	0.000	0.000	0.000	3.8
2475	3.8	0.000	0.000	0.000	0.000	3.8
2480	3.7	0.000	0.000	0.000	0.000	3.7
2485	3.7	0.000	0.000	0.000	0.000	3.7
2490	3.7	0.000	0.000	0.000	0.000	3.7
2495	3.6	0.000	0.000	0.000	0.000	3.6
2500	3.6	0.000	0.000	0.000	0.000	3.6
2505	3.6	0.000	0.000	0.000	0.000	3.6
2510	3.5	0.000	0.000	0.000	0.000	3.5
2515	3.5	0.000	0.000	0.000	0.000	3.5
2520	3.5	0.000	0.000	0.000	0.000	3.5
2525	3.4	0.000	0.000	0.000	0.000	3.4
2530	3.4	0.000	0.000	0.000	0.000	3.4
2535	3.4	0.000	0.000	0.000	0.000	3.4
2540	3.3	0.000	0.000	0.000	0.000	3.3
2545	3.3	0.000	0.000	0.000	0.000	3.3
2550	3.3	0.000	0.000	0.000	0.000	3.3
2555	3.3	0.000	0.000	0.000	0.000	3.3

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2560	3.2	0.000	0.000	0.000	0.000	3.2
2565	3.2	0.000	0.000	0.000	0.000	3.2
2570	3.2	0.000	0.000	0.000	0.000	3.2
2575	3.1	0.000	0.000	0.000	0.000	3.1
2580	3.1	0.000	0.000	0.000	0.000	3.1
2585	3.1	0.000	0.000	0.000	0.000	3.1
2590	3.1	0.000	0.000	0.000	0.000	3.1
2595	3.0	0.000	0.000	0.000	0.000	3.0
2600	3.0	0.000	0.000	0.000	0.000	3.0
2605	3.0	0.000	0.000	0.000	0.000	3.0
2610	3.0	0.000	0.000	0.000	0.000	3.0
2615	2.9	0.000	0.000	0.000	0.000	2.9
2620	2.9	0.000	0.000	0.000	0.000	2.9
2625	2.9	0.000	0.000	0.000	0.000	2.9
2630	2.9	0.000	0.000	0.000	0.000	2.9
2635	2.8	0.000	0.000	0.000	0.000	2.8
2640	2.8	0.000	0.000	0.000	0.000	2.8
2645	2.8	0.000	0.000	0.000	0.000	2.8
2650	2.8	0.000	0.000	0.000	0.000	2.8
2655	2.7	0.000	0.000	0.000	0.000	2.7
2660	2.7	0.000	0.000	0.000	0.000	2.7
2665	2.7	0.000	0.000	0.000	0.000	2.7
2670	2.7	0.000	0.000	0.000	0.000	2.7
2675	2.7	0.000	0.000	0.000	0.000	2.7
2680	2.6	0.000	0.000	0.000	0.000	2.6
2685	2.6	0.000	0.000	0.000	0.000	2.6
2690	2.6	0.000	0.000	0.000	0.000	2.6
2695	2.6	0.000	0.000	0.000	0.000	2.6
2700	2.5	0.000	0.000	0.000	0.000	2.5
2705	2.5	0.000	0.000	0.000	0.000	2.5
2710	2.5	0.000	0.000	0.000	0.000	2.5
2715	2.5	0.000	0.000	0.000	0.000	2.5
2720	2.5	0.000	0.000	0.000	0.000	2.5
2725	2.4	0.000	0.000	0.000	0.000	2.4
2730	2.4	0.000	0.000	0.000	0.000	2.4
2735	2.4	0.000	0.000	0.000	0.000	2.4
2740	2.4	0.000	0.000	0.000	0.000	2.4
2745	2.4	0.000	0.000	0.000	0.000	2.4
2750	2.3	0.000	0.000	0.000	0.000	2.3
2755	2.3	0.000	0.000	0.000	0.000	2.3
2760	2.3	0.000	0.000	0.000	0.000	2.3
2765	2.3	0.000	0.000	0.000	0.000	2.3
2770	2.3	0.000	0.000	0.000	0.000	2.3
2775	2.3	0.000	0.000	0.000	0.000	2.3
2780	2.2	0.000	0.000	0.000	0.000	2.2
2785	2.2	0.000	0.000	0.000	0.000	2.2
2790	2.2	0.000	0.000	0.000	0.000	2.2
2795	2.2	0.000	0.000	0.000	0.000	2.2
2800	2.2	0.000	0.000	0.000	0.000	2.2
2805	2.2	0.000	0.000	0.000	0.000	2.2
2810	2.1	0.000	0.000	0.000	0.000	2.1
2815	2.1	0.000	0.000	0.000	0.000	2.1
2820	2.1	0.000	0.000	0.000	0.000	2.1
2825	2.1	0.000	0.000	0.000	0.000	2.1
2830	2.1	0.000	0.000	0.000	0.000	2.1
2835	2.1	0.000	0.000	0.000	0.000	2.1
2840	2.1	0.000	0.000	0.000	0.000	2.1
2845	2.1	0.000	0.000	0.000	0.000	2.1

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
	Report Details: Type: Stormwater Control Results Storm Phase: Storm		
Company Address:			

Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
2850	2.0	0.000	0.000	0.000	0.000	2.0
2855	2.0	0.000	0.000	0.000	0.000	2.0
2860	2.0	0.000	0.000	0.000	0.000	2.0
2865	2.0	0.000	0.000	0.000	0.000	2.0
2870	2.0	0.000	0.000	0.000	0.000	2.0
2875	2.0	0.000	0.000	0.000	0.000	2.0
2880	2.0	0.000	0.000	0.000	0.000	2.0

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		





161
Critical by Return Period: Design Criteria FSR: 2 years: Increase Rainfall (%): +0: 240 mins: Winter

Type : Pond

Tables

Half Drain Down Time (mins)	184
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.6	0.000	0.000	0.023	0.000	0.0
10	5.1	0.001	0.000	0.773	0.000	0.0
15	8.8	0.004	0.000	2.898	0.000	0.0
20	11.3	0.007	0.000	5.938	0.000	0.0
25	12.5	0.011	0.000	9.523	0.000	0.0
30	38.8	0.017	0.000	15.014	0.000	0.0
35	66.5	0.033	0.000	31.511	0.000	0.0
40	81.1	0.049	0.000	53.816	0.000	0.0
45	85.9	0.057	0.003	79.042	0.000	0.0
50	87.2	0.062	0.014	104.990	0.000	0.1
55	89.5	0.067	0.034	131.345	0.000	0.5
60	94.5	0.071	0.055	158.571	0.000	1.4
65	103.5	0.078	0.071	187.602	0.000	2.1
70	117.3	0.089	0.084	219.760	0.000	3.1
75	137.0	0.103	0.099	256.603	0.000	4.2
80	164.5	0.119	0.116	300.147	0.000	5.8
85	196.1	0.138	0.136	352.044	0.000	7.9
90	232.1	0.161	0.159	413.303	0.000	10.9
95	271.2	0.187	0.185	484.830	0.000	14.8
100	312.6	0.217	0.216	567.112	0.000	19.8
105	354.5	0.251	0.249	660.221	0.000	26.3
110	394.7	0.287	0.286	763.543	0.000	34.3
115	430.7	0.326	0.325	875.796	0.000	43.5
120	460.0	0.367	0.366	994.879	0.000	54.2
125	480.0	0.409	0.408	1118.166	0.000	65.8
130	483.9	0.450	0.449	1241.747	0.000	77.8
135	468.7	0.488	0.488	1360.218	0.000	89.7
140	446.0	0.523	0.523	1469.238	0.000	100.6
145	413.1	0.554	0.554	1566.950	0.000	110.4
150	378.6	0.580	0.580	1651.525	0.000	118.8
155	341.4	0.603	0.602	1722.899	0.000	125.8
160	303.7	0.620	0.620	1781.159	0.000	131.4
165	267.1	0.634	0.634	1826.774	0.000	135.6
170	232.9	0.645	0.645	1860.661	0.000	138.6
175	201.5	0.652	0.652	1883.943	0.000	140.5
180	173.7	0.656	0.656	1897.861	0.000	141.6
185	150.3	0.658	0.658	1903.863	0.000	141.9
190	131.0	0.657	0.657	1903.350	0.000	142.1
195	115.7	0.656	0.656	1897.710	0.000	141.6
200	104.4	0.653	0.653	1888.297	0.000	140.8
205	96.7	0.649	0.649	1876.332	0.000	139.7
210	91.9	0.645	0.645	1862.836	0.000	138.5
215	89.3	0.641	0.641	1848.618	0.000	137.2
220	87.9	0.636	0.636	1834.225	0.000	135.8
225	86.5	0.632	0.632	1819.754	0.000	134.9
230	83.4	0.628	0.628	1805.030	0.000	133.5
235	76.6	0.623	0.623	1789.308	0.000	132.1

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	64.7	0.617	0.617	1771.299	0.000	130.3
245	50.7	0.611	0.611	1749.843	0.000	128.3
250	36.6	0.603	0.603	1724.808	0.000	125.9
255	26.5	0.594	0.594	1696.823	0.000	123.2
260	19.8	0.585	0.585	1667.218	0.000	120.3
265	15.0	0.575	0.575	1636.762	0.000	117.3
270	11.5	0.566	0.566	1605.958	0.000	114.2
275	9.0	0.556	0.556	1575.203	0.000	111.1
280	7.2	0.547	0.547	1544.753	0.000	108.0
285	6.0	0.537	0.537	1514.769	0.000	105.0
290	5.0	0.528	0.528	1485.338	0.000	102.1
295	4.3	0.519	0.519	1456.522	0.000	99.2
300	3.7	0.510	0.510	1428.363	0.000	96.4
305	3.3	0.501	0.501	1400.881	0.000	93.7
310	2.9	0.492	0.492	1374.086	0.000	91.1
315	2.6	0.484	0.484	1347.981	0.000	88.5
320	2.4	0.475	0.475	1322.562	0.000	85.9
325	2.1	0.467	0.467	1297.827	0.000	83.4
330	1.9	0.459	0.459	1273.773	0.000	81.0
335	1.8	0.452	0.452	1250.389	0.000	78.6
340	1.6	0.444	0.444	1227.658	0.000	76.3
345	1.5	0.437	0.437	1205.555	0.000	74.2
350	1.4	0.430	0.430	1184.044	0.000	72.1
355	1.2	0.423	0.423	1163.109	0.000	70.1
360	1.1	0.416	0.416	1142.735	0.000	68.1
365	1.0	0.410	0.410	1122.904	0.000	66.2
370	0.9	0.403	0.403	1103.587	0.000	64.4
375	0.8	0.397	0.397	1084.783	0.000	62.6
380	0.8	0.391	0.391	1066.488	0.000	60.9
385	0.7	0.385	0.385	1048.686	0.000	59.2
390	0.7	0.379	0.379	1031.366	0.000	57.6
395	0.7	0.373	0.373	1014.514	0.000	56.1
400	0.6	0.367	0.367	998.118	0.000	54.5
405	0.6	0.362	0.362	982.164	0.000	53.0
410	0.6	0.357	0.357	966.640	0.000	51.6
415	0.5	0.352	0.352	951.533	0.000	50.2
420	0.5	0.346	0.346	936.833	0.000	48.8
425	0.5	0.342	0.342	922.526	0.000	47.5
430	0.5	0.337	0.337	908.586	0.000	46.3
435	0.5	0.332	0.332	894.993	0.000	45.2
440	0.4	0.327	0.327	881.740	0.000	44.0
445	0.4	0.323	0.323	868.817	0.000	42.9
450	0.4	0.319	0.319	856.216	0.000	41.9
455	0.4	0.314	0.314	843.928	0.000	40.8
460	0.4	0.310	0.310	831.945	0.000	39.8
465	0.4	0.306	0.306	820.255	0.000	38.8
470	0.3	0.302	0.302	808.842	0.000	37.9
475	0.3	0.298	0.298	797.698	0.000	37.0
480	0.3	0.294	0.294	786.814	0.000	36.2

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		





164
Critical by Return Period: Design Criteria FSR: 2 years: Increase Rainfall (%): +0: 240 mins: Winter

Type : Pond

Tables

Half Drain Down Time (mins)	0
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Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.000	0.0
15	0.0	0.000	0.000	0.000	0.000	0.0
20	0.0	0.000	0.000	0.000	0.000	0.0
25	0.0	0.000	0.000	0.000	0.000	0.0
30	0.0	0.000	0.000	0.000	0.000	0.0
35	0.0	0.000	0.000	0.000	0.000	0.0
40	0.0	0.000	0.000	0.000	0.000	0.0
45	0.0	0.000	0.000	0.000	0.000	0.0
50	0.0	0.000	0.000	0.000	0.000	0.0
55	0.2	0.000	0.000	0.000	0.000	0.2
60	1.0	0.000	0.000	0.000	0.000	1.0
65	1.9	0.000	0.000	0.000	0.000	1.9
70	2.8	0.000	0.000	0.000	0.000	2.8
75	4.0	0.000	0.000	0.000	0.000	4.0
80	5.4	0.000	0.000	0.000	0.000	5.4
85	7.5	0.000	0.000	0.000	0.000	7.5
90	10.3	0.000	0.000	0.000	0.000	10.3
95	14.1	0.000	0.000	0.000	0.000	14.1
100	19.1	0.000	0.000	0.000	0.000	19.1
105	25.3	0.000	0.000	0.000	0.000	25.3
110	33.3	0.000	0.000	0.000	0.000	33.3
115	42.4	0.000	0.000	0.000	0.000	42.4
120	53.0	0.000	0.000	0.000	0.000	53.0
125	64.6	0.000	0.000	0.000	0.000	64.6
130	76.5	0.000	0.000	0.000	0.000	76.5
135	88.6	0.000	0.000	0.065	0.000	86.3
140	99.6	0.005	0.000	1.975	0.000	91.9
145	109.4	0.010	0.000	3.584	0.000	106.1
150	118.0	0.011	0.000	4.339	0.000	116.1
155	125.1	0.013	0.000	4.826	0.000	123.7
160	130.8	0.014	0.000	5.176	0.000	129.8
165	135.1	0.014	0.000	5.429	0.000	134.4
170	138.2	0.015	0.000	5.600	0.000	137.7
175	140.2	0.015	0.000	5.710	0.000	139.9
180	141.3	0.015	0.000	5.773	0.000	141.2
185	141.5	0.015	0.000	5.793	0.000	141.6
190	142.2	0.015	0.000	5.821	0.000	142.2
195	141.7	0.015	0.000	5.804	0.000	141.8
200	140.9	0.015	0.000	5.766	0.000	141.0
205	139.8	0.015	0.000	5.716	0.000	140.0
210	138.6	0.015	0.000	5.656	0.000	138.8
215	137.3	0.015	0.000	5.592	0.000	137.5
220	141.3	0.015	0.000	5.586	0.000	137.6
225	135.1	0.014	0.000	5.480	0.000	135.4
230	133.7	0.014	0.000	5.407	0.000	134.0
235	132.2	0.014	0.000	5.330	0.000	132.5

Highover Farm, Hitchin:	Date: 20/09/2024		
	Designed by: RH	Checked by: DSB	Approved By:
Report Details: Type: Stormwater Control Results Storm Phase: Storm	Company Address:		



Time (mins)	Total Inflow (L/s)	US Depth(m)	DS Depth(m)	Resident Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	130.6	0.014	0.000	5.241	0.000	130.9
245	128.5	0.014	0.000	5.134	0.000	128.9
250	126.2	0.013	0.000	5.003	0.000	126.6
255	123.5	0.013	0.000	4.849	0.000	124.0
260	120.6	0.012	0.000	4.677	0.000	121.2
265	117.6	0.012	0.000	4.490	0.000	118.3
270	114.5	0.011	0.000	4.288	0.000	115.3
275	111.4	0.011	0.000	4.070	0.000	112.2
280	108.3	0.010	0.000	3.840	0.000	109.1
285	105.3	0.010	0.000	3.596	0.000	106.1
290	102.4	0.009	0.000	3.344	0.000	103.2
295	99.5	0.008	0.000	3.075	0.000	100.4
300	96.7	0.007	0.000	2.785	0.000	97.7
305	94.0	0.007	0.000	2.467	0.000	95.1
310	91.3	0.006	0.000	2.112	0.000	92.6
315	88.7	0.005	0.000	1.699	0.000	90.2
320	86.2	0.003	0.000	1.191	0.000	88.1
325	83.6	0.001	0.000	0.493	0.000	86.5
330	81.2	0.000	0.000	0.000	0.000	81.2
335	78.8	0.000	0.000	0.000	0.000	78.8
340	76.5	0.000	0.000	0.000	0.000	76.5
345	74.4	0.000	0.000	0.000	0.000	74.4
350	72.3	0.000	0.000	0.000	0.000	72.3
355	70.3	0.000	0.000	0.000	0.000	70.3
360	68.3	0.000	0.000	0.000	0.000	68.3
365	66.4	0.000	0.000	0.000	0.000	66.4
370	64.6	0.000	0.000	0.000	0.000	64.6
375	62.8	0.000	0.000	0.000	0.000	62.8
380	61.1	0.000	0.000	0.000	0.000	61.1
385	59.4	0.000	0.000	0.000	0.000	59.4
390	57.8	0.000	0.000	0.000	0.000	57.8
395	56.2	0.000	0.000	0.000	0.000	56.2
400	54.7	0.000	0.000	0.000	0.000	54.7
405	53.2	0.000	0.000	0.000	0.000	53.2
410	51.8	0.000	0.000	0.000	0.000	51.8
415	50.4	0.000	0.000	0.000	0.000	50.4
420	49.0	0.000	0.000	0.000	0.000	49.0
425	47.7	0.000	0.000	0.000	0.000	47.7
430	46.5	0.000	0.000	0.000	0.000	46.5
435	45.3	0.000	0.000	0.000	0.000	45.3
440	44.2	0.000	0.000	0.000	0.000	44.2
445	43.1	0.000	0.000	0.000	0.000	43.1
450	42.0	0.000	0.000	0.000	0.000	42.0
455	40.9	0.000	0.000	0.000	0.000	40.9
460	39.9	0.000	0.000	0.000	0.000	39.9
465	39.0	0.000	0.000	0.000	0.000	39.0
470	38.0	0.000	0.000	0.000	0.000	38.0
475	37.1	0.000	0.000	0.000	0.000	37.1
480	36.3	0.000	0.000	0.000	0.000	36.3