

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
	Designed by: AK	Checked by:	Approved By:	
Report Details: Type: Junctions Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY			

Name	Junction Type	Easting (m)	Northing (m)	Cover Elevation (m)	Depth (m)	Invert Elevation (m)	Chamber Shape	Diameter (m)
20(WE)	Manhole	505439.681	103463.610	6.642	3.387	3.255	Circular	1.200
22(WE)	Manhole	505441.706	103468.006	6.686	3.406	3.280	Circular	1.200
23(WE)	Manhole	505474.533	103447.559	7.022	3.927	3.095	Circular	1.200
24(WE)	Manhole	505498.228	103439.086	6.805	3.815	2.990	Circular	1.200
25(WE)	Manhole	505498.301	103447.941	6.723	3.693	3.030	Circular	1.200
10	Manhole	505498.954	103419.313	7.015	4.362	2.653	Circular	1.350
1(WE)	Manhole	505383.179	103417.508	4.920	1.130	3.790	Circular	1.200
2(WE)	Manhole	505401.430	103407.359	5.285	1.625	3.660	Circular	1.200
3(WE)	Manhole	505425.184	103396.209	5.617	2.117	3.500	Circular	1.200
9(WE)	Manhole	505476.749	103372.006	6.213	3.063	3.150	Circular	1.200
10(WE)	Manhole	505487.302	103394.489	6.488	3.568	2.920	Circular	1.200
11(WE)	Manhole	505483.248	103396.393	6.590	3.650	2.940	Circular	1.200
18	Manhole	505517.498	103417.385	6.858	4.328	2.530	Circular	1.500
PP4 FC	Manhole	505670.708	103360.221	6.751	1.571	5.181	Circular	1.200
DUMMY 1	Manhole	505670.286	103403.269	7.000	2.315	4.685	Circular	1.200
12	Manhole	505666.123	103423.829	6.855	2.338	4.517	Circular	1.200
11	Manhole	505689.844	103421.607	6.547	1.887	4.660	Circular	1.200
13	Manhole	505656.733	103430.992	6.916	3.366	3.550	Circular	1.350
14	Manhole	505638.805	103437.856	6.699	3.211	3.488	Circular	1.350
15	Manhole	505606.285	103441.775	6.237	2.854	3.383	Circular	1.350
16	Manhole	505588.779	103431.126	6.428	3.260	3.168	Circular	1.500
DUMMY 2	Manhole	505589.464	103462.164	6.900	1.530	5.370	Circular	1.200
DUMMY 3	Manhole	505594.497	103440.352	6.271	1.125	5.146	Circular	1.200
PP6 FC	Manhole	505592.887	103425.727	6.383	1.215	5.168	Circular	1.200
17	Manhole	505535.557	103432.843	6.960	3.930	3.030	Circular	1.500
PP7 FC	Manhole	505532.139	103448.755	7.024	2.091	4.933	Circular	1.200
19	Manhole	505522.295	103411.211	6.717	4.204	2.513	Circular	1.500
AC 1 HB	Manhole	505533.653	103386.931	6.384	4.034	2.350	Circular	1.500
SWALE FC	Manhole	505577.976	103330.434	6.500	1.926	4.574	Circular	1.200
27 (PRIV)	Manhole	505540.982	103341.932	6.400	2.213	4.187	Circular	1.200
PP10 FC	Manhole	505548.846	103342.456	6.481	1.324	5.157	Circular	1.200
PP9 OG	Manhole	505624.087	103330.947	6.331	1.311	5.020	Circular	1.200
PP10A OG	Manhole	505592.432	103340.966	6.394	1.159	5.235	Circular	1.200
DUMMY 6	Manhole	505694.928	103447.977	7.000	1.200	5.800	Circular	1.200
12(WE)	Manhole	505490.628	103388.302	6.280	3.240	3.040	Circular	1.200
8(WE)	Manhole	505468.309	103373.795	6.210	2.890	3.320	Circular	1.200
6(WE)	Manhole	505445.192	103384.355	5.860	2.460	3.400	Circular	1.200
4(WE)	Manhole	505424.090	103393.880	5.600	2.080	3.520	Circular	1.200
14(WE)	Manhole	505490.666	103414.081	6.890	3.940	2.950	Circular	1.200
21(WE)	Manhole	505450.701	103487.417	6.741	3.391	3.350	Circular	1.200
5(WE)-junction	Simple Junction	505446.139	103386.374					
7(WE)-junction	Simple Junction	505469.145	103375.575					
13(WE)-junction	Simple Junction	505495.445	103411.838					
19(WE)	Manhole	505414.584	103475.169	6.160	2.785	3.375	Circular	1.200

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Approved By:

ODYSSEY:
ROMSEY

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Name	Lock	Access Required	Intersection Easting (m)	Intersection Northing (m)
20(WE)	None	☒	505439.681	103463.610
22(WE)	None	☐		
23(WE)	None	☒	505474.533	103447.559
24(WE)	None	☐		
25(WE)	None	☐		
10	None	☒	505498.954	103419.313
1(WE)	None	☒	505383.179	103417.508
2(WE)	None	☒	505401.430	103407.359
3(WE)	None	☒	505425.184	103396.209
9(WE)	None	☒	505476.749	103372.006
10(WE)	None	☒	505487.302	103394.489
11(WE)	None	☒	505483.248	103396.393
18	None	☒	505517.498	103417.385
PP4 FC	None	☐		
DUMMY 1	None	☒	505670.286	103403.269
12	None	☒	505666.123	103423.829
11	None	☒	505689.844	103421.607
13	None	☒	505656.733	103430.992
14	None	☒	505638.805	103437.856
15	None	☒	505606.285	103441.775
16	None	☒	505588.779	103431.126
DUMMY 2	None	☒	505589.464	103462.164
DUMMY 3	None	☒	505594.497	103440.352
PP6 FC	None	☐		
17	None	☒	505535.557	103432.843
PP7 FC	None	☐		
19	None	☒	505522.295	103411.211
AC 1 HB	None	☐		
SWALE FC	None	☒	505577.976	103330.434
27 (PRIV)	None	☒	505540.982	103341.932
PP10 FC	None	☐		
PP9 OG	None	☐		
PP10A OG	None	☐		
DUMMY 6	None	☐		
12(WE)	None	☐		
8(WE)	None	☐		
6(WE)	None	☐		
4(WE)	None	☐		
14(WE)	None	☐		
21(WE)	None	☐		
5(WE)-junction				
7(WE)-junction				
13(WE)-junction				
19(WE)	None	☐		

Outlets			
Junction	Outlet Name	Outgoing Connection	Outlet Type
20(WE)	Outlet	8.005(WE)	Free Discharge
22(WE)	Outlet	11.003(WE)	Free Discharge
23(WE)	Outlet	8.006(WE)	Free Discharge
24(WE)	Outlet	8.007(WE)	Orifice
	Diameter (m)	0.140	
	Coefficient of Discharge	0.600	
	Invert Elevation (m)	2.990	
25(WE)	Outlet	12.001(WE)	Free Discharge
10	Outlet	1.004	Free Discharge
1(WE)	Outlet	1.000(WE)	Free Discharge
2(WE)	Outlet	1.001(WE)	Free Discharge
3(WE)	Outlet	1.002(WE)	Free Discharge
9(WE)	Outlet	1.005(WE)	Free Discharge
10(WE)	Outlet	1.006(WE)	Free Discharge
11(WE)	Outlet	5.001(WE)	Free Discharge
18	Outlet	1.005	Free Discharge
PP4 FC	Outlet	9.001	Orifice
	Diameter (m)	0.050	
	Coefficient of Discharge	0.600	
	Invert Elevation (m)	5.181	

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Junction	Outlet Name	Outgoing Connection	Outlet Type
DUMMY 1	Outlet	9.002	Free Discharge
12	Outlet	9.003	Free Discharge
11	Outlet	10.001	Free Discharge
13	Outlet	9.004	Free Discharge
14	Outlet	9.005	Free Discharge
15	Outlet	9.006	Free Discharge
16	Outlet	9.007	Free Discharge
DUMMY 2	Outlet	11.000	Free Discharge
DUMMY 3	Outlet	11.001	Free Discharge
PP6 FC	Outlet	12.001	Free Discharge
17	Outlet	9.008	Free Discharge
PP7 FC	Outlet	13.001	Orifice
	Diameter (m)	0.055	
	Coefficient of Discharge	0.600	
	Invert Elevation (m)	4.933	
19	Outlet	1.006	Free Discharge
AC 1 HB	Outlet	1.008	Hydro-Brake®
	Invert Elevation (m)	2.350	
	Design Depth (m)	2.016	
	Design Flow (L/s)	2.0	
	Objective	Minimize Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0057-2000-2016-2000	
SWALE FC	Outlet	15.002	Free Discharge
27 (PRIV)	Outlet	15.003	Free Discharge
PP10 FC	Outlet	16.001	Free Discharge
PP9 OG	Outlet	18.002	Free Discharge
PP10A OG	Outlet	17.001	Free Discharge
DUMMY 6	Outlet	20.000	Free Discharge
12(WE)	Outlet	6.001(WE)	Free Discharge
8(WE)	Outlet	4.001(WE)	Free Discharge
6(WE)	Outlet	3.001(WE)	Free Discharge
4(WE)	Outlet	2.001(WE)	Free Discharge
14(WE)	Outlet	7.001(WE)	Free Discharge
21(WE)	Outlet	11.001(WE)	Free Discharge
5(WE)-junction	Outlet	1.003(WE)	Free Discharge
7(WE)-junction	Outlet	1.004(WE)	Free Discharge
13(WE)-junction	Outlet	1.007(WE)	Free Discharge
19(WE)	Outlet	8.004(WE)	Free Discharge

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PP4

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.371
Depth (m)	0.766
Base Elevation (m)	5.605
Paving Layer Depth (mm)	280
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	35.700
Long. Slope (1:x)	500.00
Width (m)	5.070
Total Volume (m³)	26.407

Outlets

Outlet

Outgoing Connection	9.000
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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PP6

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.387
Depth (m)	1.007
Base Elevation (m)	5.380
Paving Layer Depth (mm)	280
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	42.770
Long. Slope (1:x)	78.00
Width (m)	5.979
Total Volume (m³)	55.756

Outlets

Outlet

Outgoing Connection	12.000
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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PP7

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.426
Depth (m)	0.851
Base Elevation (m)	5.575
Paving Layer Depth (mm)	280
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	61.500
Long. Slope (1:x)	200.00
Width (m)	6.000
Total Volume (m³)	63.532

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Outlets

Outlet

Outgoing Connection	13.000
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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PP10A

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.260
Depth (m)	1.000
Base Elevation (m)	5.260
Paving Layer Depth (mm)	280
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	88.300
Long. Slope (1:x)	200.00
Width (m)	2.287
Total Volume (m³)	43.613

Outlets

Outlet

Outgoing Connection	17.000
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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PP10

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.235
Depth (m)	1.000
Base Elevation (m)	5.235
Paving Layer Depth (mm)	280
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	86.400
Long. Slope (1:x)	500.00
Width (m)	4.098
Total Volume (m³)	76.482

Outlets

Outlet

Outgoing Connection	16.000
Outlet Type	Orifice
Diameter (m)	0.050
Coefficient of Discharge	0.600
Invert Elevation (m)	5.235

Advanced

Conductivity (m/hr)	500.0
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PP9

Type : Porous Paving

Dimensions

Exceedance Elevation (m)	6.030
Depth (m)	1.000
Base Elevation (m)	5.030
Paving Layer Depth (mm)	280
Membrane Percolation (m/hr)	1000.0
Porosity (%)	30
Length (m)	34.000
Long. Slope (1:x)	200.00
Width (m)	8.469
Total Volume (m³)	62.386

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Outlets

Outlet (3)

Outgoing Connection	18.001
Outlet Type	Free Discharge

Outlet

Outgoing Connection	18.000
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Swale

Type : Swale

Swale

Exceedance Elevation (m)	6.500
Depth (m)	0.750
Base Elevation (m)	5.750
Top Width (m)	8.114
Side Slope (1:x)	4.88
Base Width (m)	0.800
Freeboard (mm)	0
Length (m)	57.978
Long. Slope (1:x)	200.00
Filtration Rate (m/hr)	1000.0
Friction Scheme	Manning's n
n	0.03
Total Volume (m³)	208.047

Trench

Trench Depth (m)	1.000
Trench Porosity (%)	30

Under Drain

Height Above Base (m)	0.000
Diameter (mm)	100
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Outlets

Outlet

Outgoing Connection	15.001
Outlet Type	Orifice
Diameter (m)	0.075
Coefficient of Discharge	0.600
Invert Elevation (m)	5.000

Advanced

Swale

Porosity (%)	100
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Trench

Trench Conductivity (m/hr)	500.0
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AC7(WE)

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	5.970
Depth (m)	2.000
Base Elevation (m)	2.950
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	20
Crate Width (m)	8
Crate Height (m)	2
Total Volume (m³)	305.020
Outlets	
Outlet	
Outgoing Connection	5.000(WE)
Outlet Type	Free Discharge



AC5(WE)

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.280
Depth (m)	2.000
Base Elevation (m)	3.050
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	12
Crate Width (m)	5
Crate Height (m)	2
Total Volume (m³)	115.230
Outlets	
Outlet	
Outgoing Connection	6.000(WE)
Outlet Type	Free Discharge

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AC2

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.500
Depth (m)	1.500
Base Elevation (m)	4.710
Number of Crates Long	19
Number of Crates Wide	10
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	0.5
Crate Width (m)	0.5
Crate Height (m)	0.5
Total Volume (m³)	67.978
Outlets	
Outlet	
Outgoing Connection	10.000
Outlet Type	Free Discharge



AC1

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.413
Depth (m)	2.400
Base Elevation (m)	2.400
Number of Crates Long	100
Number of Crates Wide	12
Number of Crates High	6
Porosity (%)	95
Crate Length (m)	0.5
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	685.613
Outlets	
Outlet	
Outgoing Connection	1.007
Outlet Type	Free Discharge

OVERFLOW	
Outgoing Connection	OVERFLOW
Outlet Type	Orifice
Diameter (m)	0.225
Coefficient of Discharge	0.600
Invert Elevation (m)	4.475

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ODYSSEY: ROMSEY				



INFILTRATION CRATE

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.477
Depth (m)	3.000
Base Elevation (m)	2.300
Number of Crates Long	202
Number of Crates Wide	10
Number of Crates High	6
Porosity (%)	95
Crate Length (m)	0.5
Crate Width (m)	0.5
Crate Height (m)	0.5
Total Volume (m³)	1440.427
Outlets	
Advanced	
Side Infiltration Rate (m/hr)	0.0425
Safety Factor	2.0



AC8(WE)

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.400
Depth (m)	2.000
Base Elevation (m)	3.090
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	36
Crate Width (m)	3
Crate Height (m)	2
Total Volume (m³)	206.510
Outlets	
Outlet	
Outgoing Connection	12.000(WE)
Outlet Type	Free Discharge

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AC3

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.701
Depth (m)	0.800
Base Elevation (m)	5.600
Number of Crates Long	17
Number of Crates Wide	3
Number of Crates High	2
Porosity (%)	95
Crate Length (m)	0.5
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	9.991
Outlets	
Outlet	
Outgoing Connection	Pipe
Outlet Type	Free Discharge



AC12(WE)

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.700
Depth (m)	2.000
Base Elevation (m)	2.960
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	8
Crate Width (m)	4
Crate Height (m)	2
Total Volume (m³)	62.540
Outlets	
Outlet	
Outgoing Connection	7.000(WE)
Outlet Type	Free Discharge

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AC9(WE)

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.689
Depth (m)	1.600
Base Elevation (m)	3.290
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	17
Crate Width (m)	3
Crate Height (m)	1.6
Total Volume (m³)	79.319
Outlets	
Outlet	
Outgoing Connection	11.002(WE)
Outlet Type	Free Discharge



AC10(WE)

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	6.330
Depth (m)	1.600
Base Elevation (m)	3.370
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	17
Crate Width (m)	3
Crate Height (m)	1.6
Total Volume (m³)	78.880
Outlets	
Outlet	
Outgoing Connection	11.000(WE)
Outlet Type	Free Discharge

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 **AC15(WE)**

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	5.324
Depth (m)	0.800
Base Elevation (m)	3.540
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	20
Crate Width (m)	2
Crate Height (m)	0.8
Total Volume (m³)	31.384
Outlets	
Outlet	
Outgoing Connection	2.000(WE)
Outlet Type	Free Discharge

 **AC14(WE)**

Type : Cellular Storage

Dimensions	
Exceedance Elevation (m)	5.689
Depth (m)	1.200
Base Elevation (m)	3.420
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	14
Crate Width (m)	2
Crate Height (m)	1.2
Total Volume (m³)	32.989
Outlets	
Outlet	
Outgoing Connection	3.000(WE)
Outlet Type	Free Discharge

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
	Designed by: AK	Checked by:	Approved By:	
	Report Details: Type: Stormwater Controls Storm Phase: Storm to Phase 1 System_RevA			
ODYSSEY: ROMSEY				



AC13(WE)

Type : Cellular Storage

Dimensions

Exceedance Elevation (m)	5.940
Depth (m)	1.200
Base Elevation (m)	3.330
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	18
Crate Width (m)	2
Crate Height (m)	1.2
Total Volume (m³)	42.450

Outlets

Outlet

Outgoing Connection	4.000(WE)
Outlet Type	Free Discharge

RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:
Type: Connections
Storm Phase: Storm to Phase 1 System_RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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Name	From	To	Length (m)	Connection Type	Slope (1:x)	Manning's n	Colebrook-White Roughness (mm)	No. of Barrels
8.005(WE)	20(WE)	23(WE)	38.370	Pipe	239.813		0.6	1
8.006(WE)	23(WE)	24(WE)	25.164	Pipe	239.660		0.6	1
12.001(WE)	25(WE)	24(WE)	8.855	Pipe	221.377		0.6	1
8.007(WE)	24(WE)	10	19.786	Pipe	176.664		0.6	1
1.000(WE)	1(WE)	2(WE)	20.884	Pipe	160.643		0.6	1
1.001(WE)	2(WE)	3(WE)	26.240	Pipe	163.999		0.6	1
1.005(WE)	9(WE)	10(WE)	24.837	Pipe	160.237		0.6	1
5.001(WE)	11(WE)	10(WE)	4.479	Pipe	223.962		0.6	1
1.004	10	18	18.644	Pipe	384.999		0.6	1
9.000	PP4	PP4 FC	11.880	Pipe	39.731		0.6	1
9.001	PP4 FC	DUMMY 1	43.050	Pipe	102.257		0.6	1
9.002	DUMMY 1	12	20.978	Pipe	125.617		0.6	1
10.001	11	12	23.825	Pipe	166.608		0.6	1
9.003	12	13	11.809	Pipe	14.454		0.6	1
9.004	13	14	19.198	Pipe	313.000		0.6	1
9.005	14	15	32.755	Pipe	313.000		0.6	1
9.006	15	16	20.490	Pipe	313.000		0.6	1
11.000	DUMMY 2	DUMMY 3	22.385	Pipe	99.933		0.6	1
11.001	DUMMY 3	16	10.854	Pipe	6.468		0.6	1
12.000	PP6	PP6 FC	14.727	Pipe	69.406		0.6	1
12.001	PP6 FC	16	6.784	Pipe	4.175		0.6	1
9.007	16	17	53.250	Pipe	385.000		0.6	1
13.000	PP7	PP7 FC	9.986	Pipe	15.559		0.6	1
13.001	PP7 FC	17	16.275	Pipe	10.153		0.6	1
9.008	17	18	23.771	Pipe	47.542		0.6	1
1.005	18	19	7.819	Pipe	459.941		0.6	1
15.001	Swale	SWALE FC	17.637	Pipe	100.000		0.6	1
15.002	SWALE FC	27 (PRIV)	38.739	Pipe	100.000		0.6	1
16.000	PP10	PP10 FC	9.743	Pipe	125.364		0.6	1
16.001	PP10 FC	27 (PRIV)	7.881	Pipe	8.125		0.6	1
18.002	PP9 OG	Swale	5.337	Pipe	266.852		0.6	1
18.001	PP9	PP9 OG	7.505	Pipe	750.470		0.6	1
17.000	PP10A	PP10A OG	7.898	Pipe	315.906		0.6	1
17.001	PP10A OG	Swale	16.041	Pipe	118.824		0.6	1
5.000(WE)	AC7(WE)	11(WE)	2.286	Pipe	228.590	0.013		1
10.000	AC2	11	8.685	Pipe	173.710	0.013		1
1.006	19	AC1	23.936	Pipe	211.821	0.013		1
1.007	AC1	AC 1 HB	15.213	Pipe	304.256	0.013		1
1.008	AC 1 HB	INFILTRATIO N CRATE	20.907	Pipe	418.148	0.013		1
15.003	27 (PRIV)	INFILTRATIO N CRATE	36.028	Pipe	19.097	0.013		1
OVERFLOW	AC1	INFILTRATIO N CRATE	16.486	No Delay				
18.000	PP9	Swale	15.302	Pipe	85.009		0.6	1
20.000	DUMMY 6	11	26.856	Pipe	23.558		0.6	1
Pipe	AC3	12	12.628	Pipe	11.660		0.6	1
11.000(WE)	AC10(WE)	21(WE)	4.002	Pipe	200.095		0.6	1
11.001(WE)	21(WE)	AC9(WE)	3.297	Pipe	54.951		0.6	1
11.002(WE)	AC9(WE)	22(WE)	1.725	Pipe	172.508		0.6	1
11.003(WE)	22(WE)	20(WE)	4.840	Pipe	193.600		0.6	1
12.000(WE)	AC8(WE)	25(WE)	1.991	Pipe	33.183		0.6	1
6.000(WE)	AC5(WE)	12(WE)	2.426	Pipe	242.562		0.6	1
6.001(WE)	12(WE)	10(WE)	7.025	Pipe	156.104		0.6	1
1.002(WE)	3(WE)	5(WE)- junction	23.149	Pipe	162.753		0.6	1
3.000(WE)	AC14(WE)	6(WE)	3.060	Pipe	152.976		0.6	1
3.001(WE)	6(WE)	5(WE)- junction	2.230	Pipe	53.087		0.6	1
2.000(WE)	AC15(WE)	4(WE)	3.259	Pipe	162.934		0.6	1
2.001(WE)	4(WE)	3(WE)	2.573	Pipe	128.663		0.6	1
4.000(WE)	AC13(WE)	8(WE)	1.997	Pipe	199.651		0.6	1
1.003(WE)	5(WE)- junction	7(WE)- junction	25.414	Pipe	162.753		0.6	1
1.004(WE)	7(WE)- junction	9(WE)	8.401	Pipe	162.753		0.6	1

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RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2			Date: 03-11-2025					
			Designed by: AK	Checked by:	Approved By:			
Report Details: Type: Connections Storm Phase: Storm to Phase 1 System RevA			ODYSSEY: ROMSEY					
4.001(WE)	8(WE)	7(WE)- junction	1.966	Pipe	16.665		0.6	1
1.006(WE)	10(WE)	13(WE)- junction	19.165	Pipe	234.378		0.6	1
1.007(WE)	13(WE)- junction	10	8.258	Pipe	234.378		0.6	1
7.000(WE)	AC12(WE)	14(WE)	1.487	Pipe	148.672		0.6	1
7.001(WE)	14(WE)	13(WE)- junction	5.280	Pipe	142.695		0.6	1
8.004(WE)	19(WE)	20(WE)	27.631	Pipe	230.256		0.6	1

RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:

Type: Connections

Storm Phase: Storm to Phase 1 System RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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Name	Diameter / Base Width (mm)	Upstream Cover Elevation (m)	Upstream Invert Elevation (m)	Downstream Cover Elevation (m)	Downstream Invert Elevation (m)	Lock	Flow Restriction (L/s)
8.005(WE)	300	6.642	3.255	7.022	3.095	None	
8.006(WE)	300	7.022	3.095	6.805	2.990	None	
12.001(WE)	300	6.723	3.030	6.805	2.990	None	
8.007(WE)	225	6.805	2.990	7.015	2.878	All	79.17
1.000(WE)	225	4.920	3.790	5.285	3.660	All	
1.001(WE)	225	5.285	3.660	5.617	3.500	All	
1.005(WE)	225	6.213	3.150	6.488	2.995	All	
5.001(WE)	300	6.590	2.940	6.488	2.920	All	
1.004	450	7.015	2.653	6.858	2.605	All	
9.000	100	6.443	5.605	6.751	5.306	All	
9.001	150	6.751	5.181	7.000	4.760	All	6.49
9.002	225	7.000	4.685	6.855	4.518	All	
10.001	225	6.547	4.660	6.855	4.517	All	
9.003	225	6.855	4.517	6.916	3.700	All	
9.004	375	6.916	3.550	6.699	3.489	All	
9.005	375	6.699	3.488	6.237	3.383	All	
9.006	375	6.237	3.383	6.428	3.318	All	
11.000	225	6.900	5.370	6.271	5.146	All	
11.001	225	6.271	5.146	6.428	3.468	All	
12.000	100	6.432	5.380	6.383	5.168	All	
12.001	100	6.383	5.168	6.428	3.543	All	
9.007	525	6.428	3.168	6.960	3.030	All	
13.000	100	6.669	5.575	7.024	4.933	All	
13.001	100	7.024	4.933	6.960	3.330	All	9.07
9.008	525	6.960	3.030	6.858	2.530	All	
1.005	525	6.858	2.530	6.717	2.513	All	
15.001	150	6.790	4.750	6.500	4.574	All	14.20
15.002	150	6.500	4.574	6.400	4.187	All	
16.000	100	6.235	5.235	6.481	5.157	All	4.35
16.001	150	6.481	5.157	6.400	4.187	All	
18.002	150	6.331	5.020	6.790	5.000	All	
18.001	100	6.350	5.030	6.331	5.020	None	
17.000	225	6.260	5.260	6.394	5.235	All	
17.001	100	6.394	5.235	6.790	5.100	All	
5.000(WE)	300	6.166	2.950	6.590	2.940	None	
10.000	225	6.289	4.710	6.547	4.660	None	
1.006	525	6.717	2.513	6.413	2.400	None	
1.007	150	6.413	2.400	6.384	2.350	None	
1.008	150	6.384	2.350	6.477	2.300	None	2.17
15.003	150	6.400	4.187	6.477	2.300	None	
OVERFLOW							
18.000	150	6.200	5.030	6.790	4.850	All	
20.000	150	7.000	5.800	6.547	4.660	None	
Pipe	225	6.701	5.600	6.855	4.517	None	
11.000(WE)	300	6.330	3.370	6.741	3.350	Elevations	
11.001(WE)	300	6.741	3.350	6.680	3.290	None	
11.002(WE)	300	6.680	3.290	6.686	3.280	None	
11.003(WE)	300	6.686	3.280	6.642	3.255	None	
12.000(WE)	300	6.400	3.090	6.723	3.030	None	
6.000(WE)	225	6.280	3.050	6.280	3.040	None	
6.001(WE)	225	6.280	3.040	6.488	2.995	None	
1.002(WE)	225	5.617	3.500	6.192	3.358	All	
3.000(WE)	225	5.680	3.420	5.860	3.400	None	
3.001(WE)	225	5.860	3.400	0.100	3.358	None	
2.000(WE)	225	5.320	3.540	5.600	3.520	None	
2.001(WE)	225	5.600	3.520	5.617	3.500	None	
4.000(WE)	225	5.940	3.330	6.210	3.320	None	
1.003(WE)	225	6.192	3.358	6.290	3.202	All	
1.004(WE)	225	6.290	3.202	6.213	3.150	All	
4.001(WE)	225	6.210	3.320	0.100	3.202	None	
1.006(WE)	300	6.488	2.920	6.910	2.838	All	
1.007(WE)	300	6.910	2.838	7.015	2.803	All	
7.000(WE)	225	6.700	2.960	6.890	2.950	None	
7.001(WE)	225	6.890	2.950	0.100	2.913	None	
8.004(WE)	300	6.160	3.375	6.642	3.255	None	

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RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:
Type: Inflow Summary
Storm Phase: Storm to Phase 1 System RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analyzed (ha)
DUMMY 2 - TOC	DUMMY 2		Time of Concentration	0.115	100	0	100	0.115
11 - TOC	11		Time of Concentration	0.115	100	0	100	0.115
11 - TOC (1)	DUMMY 6		Time of Concentration	0.020	100	0	100	0.020
12 - TOC	12		Time of Concentration	0.187	100	0	100	0.187
13 - TOC	13		Time of Concentration	0.003	100	0	100	0.003
14 - TOC	14		Time of Concentration	0.215	100	0	100	0.215
15 - TOC	15		Time of Concentration	0.218	100	0	100	0.218
16 - TOC	16		Time of Concentration	0.099	100	0	100	0.099
17 - TOC	17		Time of Concentration	0.087	100	0	100	0.087
AC1 - TOC	AC1		Time of Concentration	0.105	100	0	100	0.105
Catchment Area	AC10(WE)		Time of Concentration	0.018	100	0	100	0.018
Catchment Area (1)	AC10(WE)		Time of Concentration	0.006	100	0	100	0.006
Catchment Area (2)	AC8(WE)		Time of Concentration	0.024	100	0	100	0.024
Catchment Area (3)	23(WE)		Time of Concentration	0.018	100	0	100	0.018
Catchment Area (4)	10		Time of Concentration	0.034	100	0	100	0.034
Catchment Area (5)	23(WE)		Time of Concentration	0.024	100	0	100	0.024
Catchment Area (6)	20(WE)		Time of Concentration	0.024	100	0	100	0.024
Catchment Area (7)	AC8(WE)		Time of Concentration	0.018	100	0	100	0.018
Catchment Area (8)	8(WE)		Time of Concentration	0.021	100	0	100	0.021
Catchment Area (9)	19(WE)		Time of Concentration	0.026	100	0	100	0.026
Catchment Area (10)	20(WE)		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (11)	9(WE)		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (12)	20(WE)		Time of Concentration	0.006	100	10	110	0.006
Catchment Area (13)	20(WE)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (14)	1(WE)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (15)	2(WE)		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (16)	3(WE)		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (17)	3(WE)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (18)	3(WE)		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (19)	9(WE)		Time of Concentration	0.020	100	0	100	0.020
Catchment Area (20)	AC7(WE)		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (21)	24(WE)		Time of Concentration	0.007	100	10	110	0.007
Catchment Area (22)	20(WE)		Time of Concentration	0.002	100	10	110	0.003
Catchment Area (23)	20(WE)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (24)	20(WE)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (25)	20(WE)		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (26)	20(WE)		Time of Concentration	0.009	100	10	110	0.009
Catchment Area (28)	20(WE)		Time of Concentration	0.013	100	10	110	0.014

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RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2			Date: 03-11-2025		I DRN					
			Designed by: AK						Checked by:	Approved By:
			ODYSSEY: ROMSEY							
Report Details: Type: Inflow Summary Storm Phase: Storm to Phase 1 System_RevA										
Catchment Area (36)	23(WE)		Time of Concentration	0.006	100	10	110	0.007		
Catchment Area (37)	23(WE)		Time of Concentration	0.009	100	10	110	0.010		
Catchment Area (38)	23(WE)		Time of Concentration	0.002	100	10	110	0.003		
Catchment Area (39)	23(WE)		Time of Concentration	0.002	100	10	110	0.003		
Catchment Area (40)	AC8(WE)		Time of Concentration	0.002	100	10	110	0.003		
Catchment Area (41)	AC8(WE)		Time of Concentration	0.008	100	10	110	0.009		
Catchment Area (42)	AC8(WE)		Time of Concentration	0.006	100	10	110	0.007		
Catchment Area (43)	AC8(WE)		Time of Concentration	0.002	100	10	110	0.003		
Catchment Area (44)	AC8(WE)		Time of Concentration	0.006	100	10	110	0.007		
Catchment Area (45)	AC8(WE)		Time of Concentration	0.002	100	10	110	0.003		
Catchment Area (46)	21(WE)		Time of Concentration	0.002	100	10	110	0.003		
Catchment Area (47)	AC8(WE)		Time of Concentration	0.007	100	10	110	0.008		
Catchment Area (48)	AC8(WE)		Time of Concentration	0.010	100	10	110	0.011		
Catchment Area (49)	AC10(WE)		Time of Concentration	0.006	100	10	110	0.007		
Catchment Area (50)	AC10(WE)		Time of Concentration	0.002	100	10	110	0.003		
Catchment Area (51)	AC10(WE)		Time of Concentration	0.006	100	10	110	0.007		
Catchment Area (52)	21(WE)		Time of Concentration	0.002	100	10	110	0.003		
Catchment Area (53)	21(WE)		Time of Concentration	0.006	100	10	110	0.007		
Catchment Area (54)	AC10(WE)		Time of Concentration	0.010	100	10	110	0.011		
Catchment Area (56)	3(WE)		Time of Concentration	0.017	100	0	100	0.017		
Catchment Area (57)	2(WE)		Time of Concentration	0.026	100	0	100	0.026		
Catchment Area (58)	1(WE)		Time of Concentration	0.015	100	0	100	0.015		
Catchment Area (61)	13(WE)-junction		Time of Concentration	0.011	100	0	100	0.011		
Catchment Area (62)	10(WE)		Time of Concentration	0.011	100	0	100	0.011		
Catchment Area (72)	25(WE)		Time of Concentration	0.011	100	0	100	0.011		
Catchment Area (73)	AC8(WE)		Time of Concentration	0.001	100	0	100	0.001		
Catchment Area (74)	AC8(WE)		Time of Concentration	0.003	100	0	100	0.003		
Catchment Area (75)	AC8(WE)		Time of Concentration	0.004	100	0	100	0.004		
Catchment Area (76)	AC8(WE)		Time of Concentration	0.004	100	0	100	0.004		
Catchment Area (77)	23(WE)		Time of Concentration	0.008	100	0	100	0.008		
Catchment Area (78)	23(WE)		Time of Concentration	0.008	100	0	100	0.008		
Catchment Area (79)	AC10(WE)		Time of Concentration	0.004	100	0	100	0.004		
Catchment Area (80)	21(WE)		Time of Concentration	0.004	100	0	100	0.004		
Catchment Area (81)	AC10(WE)		Time of Concentration	0.002	100	0	100	0.002		
Catchment Area (82)	22(WE)		Time of Concentration	0.022	100	0	100	0.022		
Catchment Area (85)	20(WE)		Time of Concentration	0.020	100	0	100	0.020		
Catchment Area (86)	20(WE)		Time of Concentration	0.005	100	0	100	0.005		
Catchment Area (87)	20(WE)		Time of Concentration	0.007	100	0	100	0.007		
Catchment Area (93)	1(WE)		Time of Concentration	0.005	100	0	100	0.005		

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2			Date: 03-11-2025					
			Designed by: AK	Checked by:	Approved By:			
Report Details: Type: Inflow Summary Storm Phase: Storm to Phase 1 System_RevA			ODYSSEY: ROMSEY					
Catchment Area (94)	1(WE)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (95)	3(WE)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (96)	3(WE)		Time of Concentration	0.008	100	0	100	0.008
Catchment Area (97)	3(WE)		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (98)	3(WE)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (99)	3(WE)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (100)	3(WE)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (101)	3(WE)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (102)	11(WE)		Time of Concentration	0.028	100	0	100	0.028
Catchment Area (103)	14(WE)		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (104)	9(WE)		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (120)	21(WE)		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (121)	12(WE)		Time of Concentration	0.008	100	0	100	0.008
PP4 - TOC	PP4		Time of Concentration	0.048	100	0	100	0.048
PP6 - TOC	PP6		Time of Concentration	0.099	100	0	100	0.099
PP7 - TOC	PP7		Time of Concentration	0.113	100	0	100	0.113
PP9 - TOC	PP9		Time of Concentration	0.079	100	0	100	0.079
PP10 - TOC	PP10		Time of Concentration	0.086	100	0	100	0.086
PP10A - TOC	PP10A		Time of Concentration	0.052	100	0	100	0.052
SWALE	Swale		Time of Concentration	0.042	100	0	100	0.042
TOTAL		0.0		2.459				2.482

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
	Designed by: AK	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	ODYSSEY: ROMSEY			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Shortest
Urban Creep	Use Catchment Values
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall	
Design Criteria FEH	
Type: FEH	
Site Location	GB 505539 103416 TQ 05539 03416
Rainfall Version	2013
Data Type	Point
Summer	☒
Winter	☒

Return Period	
Return Period (years)	Increase Rainfall (%)
2.0	0.000
10.0	40.000
30.0	45.000
100.0	45.000

Storm Durations	
Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY		





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

Junction	Storm Event	Cover Elevati on (m)	Invert Elevati on (m)	Max. Elevatio n (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
20(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.642	3.255	3.768	0.000	3.1	Surcharged
22(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.686	3.280	3.768	0.000	1.2	Surcharged
23(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	7.022	3.095	3.768	0.000	3.7	Surcharged
24(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.805	2.990	3.768	0.000	4.2	Surcharged
25(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.723	3.030	3.768	0.000	1.0	Surcharged
10	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	7.015	2.653	3.768	0.000	5.3	Surcharged
1(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	4.920	3.790	3.856	0.000	7.7	OK
2(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	5.285	3.660	3.768	0.000	0.9	OK
3(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	5.617	3.500	3.768	0.000	2.0	Surcharged
9(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.213	3.150	3.767	0.000	2.4	Surcharged
10(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.488	2.920	3.768	0.000	2.0	Surcharged
11(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.590	2.940	3.768	0.000	0.3	Surcharged
18	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.858	2.530	3.768	0.000	14.0	Surcharged
PP4 FC	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	6.751	5.181	5.278	0.000	1.4	OK
DUMMY 1	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	7.000	4.685	4.711	0.000	1.4	OK
12	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	6.855	4.517	4.637	0.000	66.5	OK
11	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	6.547	4.660	4.799	0.000	25.6	OK
13	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	6.916	3.550	3.857	0.000	59.4	OK
14	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	6.699	3.488	3.838	0.000	96.6	OK
15	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.237	3.383	3.768	0.000	9.5	Surcharged
16	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.428	3.168	3.768	0.000	12.5	Surcharged
DUMMY 2	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	6.900	5.370	5.490	0.000	24.9	OK
DUMMY 3	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	6.271	5.146	5.201	0.000	24.5	OK

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
	Report Details: Type: Junctions Summary Storm Phase: Storm to Phase 1 System RevA		
ODYSSEY: ROMSEY			



PP6 FC	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	6.383	5.168	5.190	0.000	3.0	OK
17	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.960	3.030	3.767	0.000	14.2	Surcharged
PP7 FC	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	7.024	4.933	5.583	0.000	5.0	Surcharged
19	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.717	2.513	3.768	0.000	13.6	Surcharged
AC 1 HB	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.384	2.350	3.766	0.000	1.5	Surcharged
SWALE FC	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	6.500	4.574	4.619	0.000	3.4	OK
27 (PRIV)	Design Criteria FEH: 2 years: +0 %: 60 mins: Summer	6.400	4.187	4.230	0.000	4.3	OK
PP10 FC	Design Criteria FEH: 2 years: +0 %: 60 mins: Summer	6.481	5.157	5.170	0.000	1.0	OK
PP9 OG	Design Criteria FEH: 2 years: +0 %: 180 mins: Summer	6.331	5.020	5.261	0.000	0.6	Surcharged
PP10A OG	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	6.394	5.235	5.270	0.000	1.4	OK
DUMMY 6	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	7.000	5.800	5.833	0.000	4.3	OK
12(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.280	3.040	3.768	0.000	0.1	Surcharged
8(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.210	3.320	3.767	0.000	0.3	Surcharged
6(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	5.860	3.400	3.767	0.000	0.0	Surcharged
4(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	5.600	3.520	3.768	0.000	0.1	Surcharged
14(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.890	2.950	3.768	0.000	0.1	Surcharged
21(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	6.741	3.350	3.768	0.000	0.9	Surcharged
5(WE)-junction	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter		3.358	3.767		2.1	Surcharged
7(WE)-junction	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter		3.202	3.767		2.2	Surcharged
13(WE)-junction	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter		2.838	3.768		2.0	Surcharged
19(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter		6.160	3.375	3.768	0.000	0.3

RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:
Type: Junctions Summary
Storm Phase: Storm to Phase 1 System RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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Design Criteria FEH: 10 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Elevati on (m)	Invert Elevati on (m)	Max. Elevatio n (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
20(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.642	3.255	4.560	0.000	3.9	Surcharged
22(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.686	3.280	4.560	0.000	1.5	Surcharged
23(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	7.022	3.095	4.560	0.000	4.7	Surcharged
24(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.805	2.990	4.560	0.000	4.2	Surcharged
25(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.723	3.030	4.560	0.000	1.0	Surcharged
10	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	7.015	2.653	4.558	0.000	4.7	Surcharged
1(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.920	3.790	4.558	0.000	0.8	Surcharged
2(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	5.285	3.660	4.558	0.000	1.7	Surcharged
3(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	5.617	3.500	4.558	0.000	3.5	Surcharged
9(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.213	3.150	4.558	0.000	3.3	Surcharged
10(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.488	2.920	4.558	0.000	1.8	Surcharged
11(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.590	2.940	4.558	0.000	1.1	Surcharged
18	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.858	2.530	4.558	0.000	15.3	Surcharged
PP4 FC	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.751	5.181	5.609	0.000	3.2	Surcharged
DUMMY 1	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	7.000	4.685	5.291	0.000	4.2	Surcharged
12	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.855	4.517	5.310	0.000	88.5	Surcharged
11	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.547	4.660	5.306	0.000	49.3	Surcharged
13	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.916	3.550	4.881	0.000	99.5	Surcharged
14	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.699	3.488	4.841	0.000	183.9	Surcharged
15	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.237	3.383	4.558	0.000	17.5	Surcharged
16	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.428	3.168	4.558	0.000	24.0	Surcharged
DUMMY 2	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.900	5.370	5.620	0.000	56.5	Surcharged
DUMMY 3	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.271	5.146	5.224	0.000	55.6	OK

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY		



PP6 FC	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.383	5.168	5.202	0.000	7.0	OK
17	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.960	3.030	4.557	0.000	28.5	Surcharged
PP7 FC	Design Criteria FEH: 10 years: +40 %: 120 mins: Summer	7.024	4.933	5.738	0.000	5.5	Surcharged
19	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.717	2.513	4.557	0.000	15.2	Surcharged
AC 1 HB	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.384	2.350	4.556	0.000	1.9	Surcharged
SWALE FC	Design Criteria FEH: 10 years: +40 %: 60 mins: Summer	6.500	4.574	4.632	0.000	5.5	OK
27 (PRIV)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	6.400	4.187	4.243	0.000	6.8	OK
PP10 FC	Design Criteria FEH: 10 years: +40 %: 60 mins: Summer	6.481	5.157	5.175	0.000	1.9	OK
PP9 OG	Design Criteria FEH: 10 years: +40 %: 180 mins: Summer	6.331	5.020	5.465	0.000	0.8	Surcharged
PP10A OG	Design Criteria FEH: 10 years: +40 %: 180 mins: Summer	6.394	5.235	5.467	0.000	1.0	Surcharged
DUMMY 6	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	7.000	5.800	5.854	0.000	10.4	OK
12(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.280	3.040	4.558	0.000	0.4	Surcharged
8(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.210	3.320	4.558	0.000	0.3	Surcharged
6(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	5.860	3.400	4.558	0.000	0.2	Surcharged
4(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	5.600	3.520	4.558	0.000	0.0	Surcharged
14(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.890	2.950	4.558	0.000	0.2	Surcharged
21(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.741	3.350	4.560	0.000	1.3	Surcharged
5(WE)-junction	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	6.160	3.358	4.558	0.000	3.0	Surcharged
7(WE)-junction	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter		3.202	4.557		2.9	Surcharged
13(WE)-junction	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter		2.838	4.558		2.0	Surcharged
19(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter		3.375	4.560		0.5	Surcharged

RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:
Type: Junctions Summary
Storm Phase: Storm to Phase 1 System RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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DRN

Design Criteria FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Elevati on (m)	Invert Elevati on (m)	Max. Elevatio n (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
20(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	6.642	3.255	4.703	0.000	3.9	Surcharged
22(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	6.686	3.280	4.703	0.000	1.8	Surcharged
23(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	7.022	3.095	4.702	0.000	4.7	Surcharged
24(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	6.805	2.990	4.702	0.000	6.3	Surcharged
25(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	6.723	3.030	4.702	0.000	1.9	Surcharged
10	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	7.015	2.653	4.677	0.000	11.4	Surcharged
1(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	4.920	3.790	4.681	0.000	1.9	Flood Risk
2(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	5.285	3.660	4.681	0.000	3.7	Surcharged
3(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	5.617	3.500	4.681	0.000	5.6	Surcharged
9(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.213	3.150	4.679	0.000	4.8	Surcharged
10(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.488	2.920	4.678	0.000	4.5	Surcharged
11(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.590	2.940	4.678	0.000	2.0	Surcharged
18	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.858	2.530	4.677	0.000	31.2	Surcharged
PP4 FC	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.751	5.181	5.737	0.000	3.7	Surcharged
DUMMY 1	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	7.000	4.685	5.848	0.000	14.2	Surcharged
12	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.855	4.517	5.851	0.000	108.3	Surcharged
11	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.547	4.660	5.757	0.000	54.9	Surcharged
13	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.916	3.550	5.671	0.000	118.4	Surcharged
14	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.699	3.488	5.663	0.000	192.4	Surcharged
15	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.237	3.383	5.322	0.000	335.1	Surcharged
16	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.428	3.168	4.678	0.000	42.7	Surcharged
DUMMY 2	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.900	5.370	6.010	0.000	74.8	Surcharged
DUMMY 3	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.271	5.146	5.238	0.000	74.3	OK

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY		



PP6 FC	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	6.383	5.168	5.203	0.000	8.5	OK
17	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.960	3.030	4.677	0.000	50.6	Surcharged
PP7 FC	Design Criteria FEH: 30 years: +45 %: 60 mins: Winter	7.024	4.933	5.852	0.000	5.9	Surcharged
19	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.717	2.513	4.676	0.000	31.2	Surcharged
AC 1 HB	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.384	2.350	4.673	0.000	2.0	Surcharged
SWALE FC	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	6.500	4.574	4.638	0.000	6.5	OK
27 (PRIV)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	6.400	4.187	4.248	0.000	8.3	OK
PP10 FC	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	6.481	5.157	5.177	0.000	2.3	OK
PP9 OG	Design Criteria FEH: 30 years: +45 %: 120 mins: Winter	6.331	5.020	5.600	0.000	0.9	Surcharged
PP10A OG	Design Criteria FEH: 30 years: +45 %: 120 mins: Winter	6.394	5.235	5.604	0.000	1.2	Surcharged
DUMMY 6	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	7.000	5.800	5.870	0.000	12.4	OK
12(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.280	3.040	4.678	0.000	0.8	Surcharged
8(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.210	3.320	4.679	0.000	0.5	Surcharged
6(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	5.860	3.400	4.680	0.000	0.4	Surcharged
4(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	5.600	3.520	4.681	0.000	0.0	Surcharged
14(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.890	2.950	4.677	0.000	0.4	Surcharged
21(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	6.741	3.350	4.703	0.000	1.3	Surcharged
5(WE)-junction	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	6.160	3.358	4.680	0.000	4.3	Surcharged
7(WE)-junction	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter		3.202	4.679		4.2	Surcharged
13(WE)-junction	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter		2.838	4.678		4.9	Surcharged
19(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter		3.375	4.703		0.7	Surcharged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY		



Junction	Storm Event	Cover Elevati on (m)	Invert Elevati on (m)	Max. Elevatio n (m)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Status
20(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.642	3.255	4.929	0.000	7.6	Surcharged
22(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.686	3.280	4.929	0.000	3.6	Surcharged
23(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	7.022	3.095	4.927	0.000	9.1	Surcharged
24(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.805	2.990	4.926	0.000	10.9	Surcharged
25(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.723	3.030	4.926	0.000	4.3	Surcharged
10	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	7.015	2.653	4.866	0.000	23.0	Surcharged
1(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.920	3.790	4.876	0.000	2.2	Flood Risk
2(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	5.285	3.660	4.876	0.000	4.6	Surcharged
3(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	5.617	3.500	4.875	0.000	9.2	Surcharged
9(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.213	3.150	4.871	0.000	9.9	Surcharged
10(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.488	2.920	4.867	0.000	10.3	Surcharged
11(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.590	2.940	4.868	0.000	4.8	Surcharged
18	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.858	2.530	4.865	0.000	57.3	Surcharged
PP4 FC	Design Criteria FEH: 100 years: +45 %: 30 mins: Summer	6.751	5.181	5.937	0.000	4.2	Surcharged
DUMMY 1	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	7.000	4.685	6.278	0.000	11.1	Surcharged
12	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	6.855	4.517	6.324	0.000	123.6	Surcharged
11	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	6.547	4.660	6.189	0.000	70.0	Surcharged
13	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	6.916	3.550	6.306	0.000	136.3	Surcharged
14	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	6.699	3.488	6.307	0.000	192.9	Surcharged
15	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	6.237	3.383	5.976	0.000	376.0	Flood Risk
16	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	6.428	3.168	5.063	0.000	546.6	Surcharged
DUMMY 2	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	6.900	5.370	6.452	0.000	100.6	Surcharged
DUMMY 3	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	6.271	5.146	5.314	0.000	81.2	OK

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY		



PP6 FC	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	6.383	5.168	5.205	0.000	9.2	OK
17	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.960	3.030	4.867	0.000	76.9	Surcharged
PP7 FC	Design Criteria FEH: 100 years: +45 %: 60 mins: Winter	7.024	4.933	5.978	0.000	6.3	Surcharged
19	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.717	2.513	4.862	0.000	57.2	Surcharged
AC 1 HB	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.384	2.350	4.856	0.000	2.0	Surcharged
SWALE FC	Design Criteria FEH: 100 years: +45 %: 1440 mins: Winter	6.500	4.574	4.821	0.000	3.8	Surcharged
27 (PRIV)	Design Criteria FEH: 100 years: +45 %: 1440 mins: Winter	6.400	4.187	4.818	0.000	5.2	Surcharged
PP10 FC	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	6.481	5.157	5.179	0.000	2.8	OK
PP9 OG	Design Criteria FEH: 100 years: +45 %: 120 mins: Winter	6.331	5.020	5.744	0.000	1.0	Surcharged
PP10A OG	Design Criteria FEH: 100 years: +45 %: 120 mins: Winter	6.394	5.235	5.748	0.000	1.3	Surcharged
DUMMY 6	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	7.000	5.800	6.257	0.000	10.2	Surcharged
12(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.280	3.040	4.867	0.000	1.7	Surcharged
8(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.210	3.320	4.872	0.000	0.8	Surcharged
6(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	5.860	3.400	4.873	0.000	0.5	Surcharged
4(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	5.600	3.520	4.875	0.000	0.1	Surcharged
14(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.890	2.950	4.866	0.000	1.0	Surcharged
21(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	6.741	3.350	4.929	0.000	2.5	Surcharged
5(WE)-junction	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter		3.358	4.873		7.9	Surcharged
7(WE)-junction	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter		3.202	4.871		8.5	Surcharged
13(WE)-junction	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter		2.838	4.867		11.5	Surcharged
19(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter		3.375	4.929	0.000	1.4	Surcharged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY		



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

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Half Drain Down Time (mins)	Percentage Available (%)	Status
PP4	Design Criteria FEH: 2 years: +0 %: 600 mins: Summer	5.882	5.622	0.206	8.536	0.000	0.000	0.6		67.673	OK
PP6	Design Criteria FEH: 2 years: +0 %: 360 mins: Summer	6.101	5.418	0.172	14.697	0.000	0.000	1.8		73.641	OK
PP7	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	5.936	5.650	0.054	10.215	0.000	0.000	5.0		83.921	OK
PP10A	Design Criteria FEH: 2 years: +0 %: 960 mins: Summer	5.890	5.278	0.189	11.334	0.000	0.000	0.4		74.011	OK
Swale	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	5.258	5.119	0.219	4.188	0.000	0.000	3.4		97.987	OK
PP10	Design Criteria FEH: 2 years: +0 %: 1440 mins: Summer	5.643	5.272	0.236	20.924	0.000	0.000	0.4		72.641	OK
PP9	Design Criteria FEH: 2 years: +0 %: 180 mins: Summer	5.271	5.262	0.071	13.153	0.000	0.000	1.9		78.916	OK
AC7(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	0.818	124.597	0.000	0.000	0.2		59.151	OK
AC5(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	0.718	40.898	0.000	0.000	0.1		64.508	OK
AC2	Design Criteria FEH: 2 years: +0 %: 30 mins: Winter	4.737	4.737	0.027	1.198	0.000	0.000	0.9		98.238	OK
AC1	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	1.368	389.738	0.000	0.000	1.5		43.155	OK
INFILTRATION CRATE	Design Criteria FEH: 2 years: +0 %: 1440 mins: Summer	2.840	2.840	0.540	259.302	0.000	66.583	0.0		81.998	OK
AC8(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	0.678	69.520	0.000	0.000	1.0		66.336	OK
AC3	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	5.600	5.600	0.000	0.000	0.000	0.000	0.0		100.000	OK
AC12(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	0.808	24.548	0.000	0.000	0.0		60.748	OK
AC9(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	0.478	23.140	0.000	0.000	0.9		70.827	OK
AC10(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	0.398	19.264	0.000	0.000	0.7		75.579	OK

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
	Report Details: Type: Stormwater Controls Summary Storm Phase: Storm to Phase 1 System RevA		
ODYSSEY: ROMSEY			

AC15(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	0.228	8.645	0.000	0.000	0.1		72.452	OK
AC14(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.768	3.768	0.348	9.244	0.000	0.000	0.0		71.980	OK
AC13(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter	3.767	3.767	0.437	14.962	0.000	0.000	0.1		64.755	OK

RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:
Type: Stormwater Controls Summary
Storm Phase: Storm to Phase 1 System RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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DRN

Design Criteria FEH: 10 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By:
Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Half Drain Down Time (mins)	Percentage Available (%)	Status
PP4	Design Criteria FEH: 10 years: +40 %: 360 mins: Summer	6.063	5.634	0.386	15.439	0.000	0.000	1.7	120	41.535	OK
PP6	Design Criteria FEH: 10 years: +40 %: 180 mins: Summer	6.335	5.450	0.406	28.558	0.000	0.000	5.1	15	48.780	OK
PP7	Design Criteria FEH: 10 years: +40 %: 60 mins: Summer	6.086	5.822	0.203	28.943	0.000	0.000	5.5		54.443	OK
PP10A	Design Criteria FEH: 10 years: +40 %: 360 mins: Summer	6.093	5.443	0.391	22.142	0.000	0.000	1.0	50	49.230	OK
Swale	Design Criteria FEH: 10 years: +40 %: 120 mins: Summer	5.460	5.243	0.420	6.465	0.000	0.000	5.2		96.893	OK
PP10	Design Criteria FEH: 10 years: +40 %: 1440 mins: Summer	5.858	5.298	0.450	37.324	0.000	0.000	0.9		51.199	OK
PP9	Design Criteria FEH: 10 years: +40 %: 180 mins: Summer	5.482	5.466	0.282	31.179	0.000	0.000	2.4		50.022	OK
AC7(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.558	4.558	1.608	245.028	0.000	0.000	1.1		19.668	OK
AC5(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.558	4.558	1.508	85.938	0.000	0.000	0.4		25.421	OK
AC2	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	4.994	4.994	0.284	12.821	0.000	0.000	29.3		81.139	OK
AC1	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.557	4.557	2.157	614.845	0.000	0.000	9.7		10.322	OK
INFILTRATION CRATE	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	3.347	3.347	1.047	502.447	0.000	138.143	0.0		65.118	OK
AC8(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.560	4.560	1.470	150.839	0.000	0.000	0.9		26.958	OK
AC3	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	5.600	5.600	0.000	0.000	0.000	0.000	0.0		100.000	OK
AC12(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.558	4.558	1.598	48.568	0.000	0.000	0.2		22.341	OK
AC9(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.560	4.560	1.270	61.546	0.000	0.000	1.1		22.407	OK
AC10(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.560	4.560	1.190	57.670	0.000	0.000	1.0		26.889	OK

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RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
	Report Details: Type: Stormwater Controls Summary Storm Phase: Storm to Phase 1 System RevA		
ODYSSEY: ROMSEY			

AC15(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.558	4.558	1.018	30.621	0.000	0.000	0.0		2.430	OK
AC14(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.558	4.558	1.138	30.268	0.000	0.000	0.2		8.246	OK
AC13(WE)	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	4.558	4.558	1.228	41.079	0.000	0.000	0.2		3.230	OK

RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:
Type: Stormwater Controls Summary
Storm Phase: Storm to Phase 1 System RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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DRN

Design Criteria FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By:
Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Half Drain Down Time (mins)	Percentage Available (%)	Status
PP4	Design Criteria FEH: 30 years: +45 %: 240 mins: Summer	6.160	5.641	0.484	19.219	0.000	0.000	2.7	150	27.220	OK
PP6	Design Criteria FEH: 30 years: +45 %: 180 mins: Summer	6.473	5.473	0.545	36.551	0.000	0.000	7.0	80	34.444	OK
PP7	Design Criteria FEH: 30 years: +45 %: 60 mins: Winter	6.205	5.951	0.323	42.664	0.000	0.000	5.9	35	32.846	OK
PP10A	Design Criteria FEH: 30 years: +45 %: 240 mins: Winter	6.210	5.587	0.508	29.672	0.000	0.000	1.1	160	31.966	OK
Swale	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	5.569	5.354	0.529	7.929	0.000	0.000	6.5		96.189	OK
PP10	Design Criteria FEH: 30 years: +45 %: 600 mins: Winter	5.972	5.348	0.564	46.622	0.000	0.000	1.4	310	39.042	OK
PP9	Design Criteria FEH: 30 years: +45 %: 120 mins: Winter	5.623	5.602	0.423	43.235	0.000	0.000	2.8	75	30.698	OK
AC7(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	4.678	4.678	1.728	263.340	0.000	0.000	2.0		13.665	OK
AC5(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	4.678	4.678	1.628	92.786	0.000	0.000	0.8		19.478	OK
AC2	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	5.414	5.414	0.704	31.802	0.000	0.000	49.6		53.217	OK
AC1	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	4.675	4.675	2.275	648.260	0.000	0.000	31.5		5.448	OK
INFILTRATION CRATE	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	4.213	4.213	1.913	918.056	0.000	264.217	0.0		36.265	OK
AC8(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	4.702	4.702	1.612	165.346	0.000	0.000	1.8		19.933	OK
AC3	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	5.635	5.635	0.035	0.420	0.000	0.000	1.3		95.799	OK
AC12(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	4.677	4.677	1.717	52.210	0.000	0.000	0.4		16.517	OK
AC9(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	4.703	4.703	1.413	68.440	0.000	0.000	1.6		13.716	OK
AC10(WE)	Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter	4.703	4.703	1.333	64.565	0.000	0.000	1.0		18.148	OK

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RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
	Report Details: Type: Stormwater Controls Summary Storm Phase: Storm to Phase 1 System RevA		
ODYSSEY: ROMSEY			

AC15(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	4.681	4.681	1.141	30.738	0.000	0.000	0.0		2.059	OK
AC14(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	4.680	4.680	1.260	31.987	0.000	0.000	0.4		3.037	OK
AC13(WE)	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	4.679	4.679	1.349	41.194	0.000	0.000	0.2		2.958	OK

RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:
Type: Stormwater Controls Summary
Storm Phase: Storm to Phase 1 System RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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DRN

Design Criteria FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By:
Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Half Drain Down Time (mins)	Percentage Available (%)	Status
PP4	Design Criteria FEH: 100 years: +45 %: 180 mins: Summer	6.452	5.686	0.775	23.389	1.659	0.000	3.5	170	11.426	Flood
PP6	Design Criteria FEH: 100 years: +45 %: 120 mins: Summer	6.610	5.598	0.682	46.594	0.768	0.000	8.7	95	16.431	OK
PP7	Design Criteria FEH: 100 years: +45 %: 60 mins: Winter	6.340	6.087	0.458	57.783	0.000	0.000	6.4		9.049	OK
PP10A	Design Criteria FEH: 100 years: +45 %: 240 mins: Winter	6.340	5.731	0.639	37.808	0.000	0.000	1.1		13.310	OK
Swale	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	5.705	5.459	0.665	9.548	0.000	0.000	7.5		95.411	OK
PP10	Design Criteria FEH: 100 years: +45 %: 480 mins: Winter	6.097	5.417	0.689	57.237	0.000	0.000	1.9	460	25.162	OK
PP9	Design Criteria FEH: 100 years: +45 %: 120 mins: Winter	5.768	5.746	0.568	55.751	0.000	0.000	3.1		10.636	OK
AC7(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.868	4.868	1.918	292.250	0.000	0.000	4.3		4.186	OK
AC5(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.868	4.868	1.818	103.598	0.000	0.000	1.5		10.095	OK
AC2	Design Criteria FEH: 100 years: +45 %: 30 mins: Summer	5.896	5.896	1.186	53.551	0.000	0.000	55.5	5	21.223	OK
AC1	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.857	4.857	2.457	684.154	0.000	0.000	56.8		0.213	OK
INFILTRATION CRATE	Design Criteria FEH: 100 years: +45 %: 1440 mins: Winter	4.814	4.814	2.514	1206.401	0.000	362.041	0.0		16.247	OK
AC8(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.926	4.926	1.836	188.385	0.000	0.000	4.1		8.777	OK
AC3	Design Criteria FEH: 100 years: +45 %: 30 mins: Summer	6.059	6.059	0.459	5.565	0.000	0.000	31.7	0	44.302	OK
AC12(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.866	4.866	1.906	57.954	0.000	0.000	0.8		7.332	OK
AC9(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.929	4.929	1.639	77.574	0.000	0.000	3.3		2.200	OK
AC10(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.929	4.929	1.559	75.516	0.000	0.000	2.1		4.265	OK

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RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
	Designed by: AK	Checked by:	Approved By:
	Report Details: Type: Stormwater Controls Summary Storm Phase: Storm to Phase 1 System RevA		
ODYSSEY: ROMSEY			

AC15(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.875	4.875	1.335	30.922	0.000	0.000	0.0		1.470	OK
AC14(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.873	4.873	1.453	32.171	0.000	0.000	0.5		2.480	OK
AC13(WE)	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	4.872	4.872	1.542	41.377	0.000	0.000	0.1		2.528	OK

RUSTINGTON:
GOLF COURSE
PHASE 3 INTO PHASE 1/2

Report Details:
Type: Connections Summary
Storm Phase: Storm to Phase 1 System RevA

Date:
03-11-2025

Designed by:
AK

Checked by:

Approved By:

ODYSSEY:
ROMSEY

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DRN

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

Connection	Storm Event	Connection Type	From	To	Max. US Water Elevation (m)	Upstream Cover Elevation (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
8.005(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	20(WE)	23(WE)	3.388	6.642	0.173	31.555	0.7	0.41	29.4	OK
8.006(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	23(WE)	24(WE)	3.298	7.022	0.245	28.721	0.7	0.57	40.5	OK
12.001(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	25(WE)	24(WE)	3.329	6.723	0.300	6.313	0.2	0.16	12.0	OK
8.007(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	24(WE)	10	3.328	6.805	0.174	46.780	0.9	0.49	19.2	Surchar ged
1.000(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	1(WE)	2(WE)	3.856	4.920	0.081	3.474	0.6	0.19	7.7	OK
1.001(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	2(WE)	3(WE)	3.756	5.285	0.125	7.280	0.7	0.38	15.5	OK
1.005(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	9(WE)	10(WE)	3.319	6.213	0.161	20.071	1.1	0.82	33.5	OK
5.001(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	11(WE)	10(WE)	3.085	6.590	0.156	0.467	0.3	0.02	1.3	OK
1.004	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	10	18	2.953	7.015	0.320	47.845	0.5	0.35	56.7	OK
9.000	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	PP4	PP4 FC	5.694	6.443	0.026	1.468	0.9	0.15	1.4	OK
9.001	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	PP4 FC	DUMMY 1	5.278	6.751	0.029	0.905	0.6	0.08	1.4	OK
9.002	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	DUMMY 1	12	4.711	7.000	0.064	0.882	0.4	0.03	1.4	OK
10.001	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	11	12	4.799	6.547	0.129	12.355	1.1	0.64	25.6	OK
9.003	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	12	13	4.637	6.855	0.138	31.240	2.6	0.48	66.5	OK
9.004	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	13	14	3.857	6.916	0.328	31.500	0.6	0.53	59.4	OK
9.005	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	14	15	3.838	6.699	0.361	52.214	0.9	0.86	96.6	OK
9.006	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	15	16	3.755	6.237	0.322	73.137	1.4	1.22	136.8	OK

Created in InfoDrainage 2026.2

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RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
	Designed by: AK	Checked by:	Approved By:	
Report Details: Type: Connections Summary Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY			

11.000	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	DUMMY 2	DUMMY 3	5.490	6.900	0.088	11.112	1.7	0.48	24.9	OK
11.001	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	DUMMY 3	16	5.201	6.271	0.054	11.108	3.4	0.12	24.5	OK
12.000	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	PP6	PP6 FC	5.508	6.432	0.036	3.629	1.2	0.41	3.0	Surchar ged
12.001	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	PP6 FC	16	5.190	6.383	0.021	3.612	2.4	0.1	3.0	OK
9.007	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	16	17	3.490	6.428	0.264	95.773	1.6	0.72	177.3	OK
13.000	Design Criteria FEH: 2 years: +0 %: 60 mins: Summer	Pipe	PP7	PP7 FC	5.664	6.669	0.100	16.603	0.8	0.4	6.2	OK
13.001	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	Pipe	PP7 FC	17	5.583	7.024	0.035	22.877	2.0	0.26	5.0	Surchar ged
9.008	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	17	18	3.235	6.960	0.306	109.167	1.5	0.27	191.5	OK
1.005	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	18	19	2.949	6.858	0.427	152.303	1.4	1.05	236.3	OK
15.001	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	Pipe	Swale	SWALE FC	5.051	6.790	0.040	24.861	0.9	0.19	3.4	Surchar ged
15.002	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	Pipe	SWALE FC	27 (PRIV)	4.619	6.500	0.043	24.779	0.8	0.19	3.4	OK
16.000	Design Criteria FEH: 2 years: +0 %: 60 mins: Summer	Pipe	PP10	PP10 FC	5.345	6.235	0.023	2.750	0.8	0.19	1.0	Surchar ged
16.001	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	Pipe	PP10 FC	27 (PRIV)	5.170	6.481	0.027	4.452	0.6	0.02	1.0	OK
18.002	Design Criteria FEH: 2 years: +0 %: 120 mins: Winter	Pipe	PP9 OG	Swale	5.254	6.331	0.150	0.071	0.1	0.06	0.6	Surchar ged
18.001	Design Criteria FEH: 2 years: +0 %: 120 mins: Winter	Pipe	PP9	PP9 OG	5.175	6.350	0.100	5.313	0.1	0.28	0.6	Surchar ged
17.000	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	PP10A	PP10A OG	5.349	6.260	0.035	1.347	0.4	0.05	1.4	OK
17.001	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	PP10A OG	Swale	5.270	6.394	0.068	1.319	0.5	0.25	1.4	OK
5.000(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	AC7(WE)	11(WE)	2.983	6.166	0.077	0.000	0.3	0.02	1.3	OK
10.000	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	AC2	11	4.736	6.289	0.063	0.000	0.3	0.03	1.0	OK

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2					Date: 03-11-2025					I DRN			
					Designed by:		Checked by:		Approved By:				
					AK								
Report Details: Type: Connections Summary Storm Phase: Storm to Phase 1 System_RevA					ODYSSEY: ROMSEY								
1.006	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	19	AC1	2.948	6.717	0.491	148.660	2.4	0.77	226.5	OK	
1.007	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	AC1	AC 1 HB	3.103	6.413	0.150	5.052	0.4	0.3	2.6	Surchar ged	
1.008	Design Criteria FEH: 2 years: +0 %: 720 mins: Winter	Pipe	AC 1 HB	INFILTRA TION CRATE	3.665	6.384	0.150	118.111	0.6	0.21	1.5	Surchar ged	
15.003	Design Criteria FEH: 2 years: +0 %: 120 mins: Summer	Pipe	27 (PRIV)	INFILTRA TION CRATE	4.228	6.400	0.057	29.173	2.0	0.13	4.4	OK	
OVERFLOW	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	No Delay	AC1	INFILTRA TION CRATE	2.948		0.000	0.000	0.0		0.0		
18.000	Design Criteria FEH: 2 years: +0 %: 120 mins: Winter	Pipe	PP9	Swale	5.175	6.200	0.150	0.021	0.1	0.07	1.4	OK	
20.000	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	DUMMY 6	11	5.833	7.000	0.086	1.931	0.4	0.12	4.3	OK	
Pipe	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	AC3	12	5.600	6.701	0.060	0.000	0.0	0	0.0	OK	
11.000(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	AC10 (WE)	21(WE)	3.429	6.330	0.055	4.400	0.7	0.08	6.3	OK	
11.001(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	21(WE)	AC9(WE)	3.409	6.741	0.081	9.048	0.9	0.06	9.1	OK	
11.002(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	AC9(WE)	22(WE)	3.393	6.680	0.107	8.072	0.5	0.13	10.7	OK	
11.003(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	22(WE)	20(WE)	3.383	6.686	0.114	6.513	0.6	0.15	12.0	OK	
12.000(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	AC8(WE)	25(WE)	3.329	6.400	0.269	5.279	0.3	0.06	11.8	OK	
6.000(WE)	Design Criteria FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	AC5(WE)	12(WE)	3.764	6.280	0.225	0.000	0.0	0	0.1	Surchar ged	
6.001(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	12(WE)	10(WE)	3.100	6.280	0.084	0.881	0.3	0.03	1.1	OK	
1.002(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	3(WE)	5(WE)- junction	3.654	5.617	0.147	15.483	1.1	0.73	29.6	OK	
3.000(WE)	Design Criteria FEH: 2 years: +0 %: 60 mins: Summer	Pipe	AC14 (WE)	6(WE)	3.444	5.680	0.037	0.000	0.3	0.01	0.6	OK	
3.001(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Winter	Pipe	6(WE)	5(WE)- junction	3.493	5.860	0.114	0.000	0.2	0.01	0.8	OK	
2.000(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	AC15 (WE)	4(WE)	3.591	5.320	0.065	0.000	0.4	0.06	2.6	OK	

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
	Designed by: AK	Checked by:	Approved By:	
	Report Details: Type: Connections Summary Storm Phase: Storm to Phase 1 System RevA			
ODYSSEY: ROMSEY				

2.001(WE)	Design Criteria FEH: 2 years: +0 %: 30 mins: Summer	Pipe	4(WE)	3(WE)	3.617	5.600	0.108	0.000	0.3	0.06	2.8	OK
4.000(WE)	Design Criteria FEH: 2 years: +0 %: 180 mins: Summer	Pipe	AC13 (WE)	8(WE)	3.431	5.940	0.106	0.000	0.0	0.01	0.2	OK
1.003(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	5(WE)- junction	7(WE)- junction	3.498	6.192	0.155	15.109	0.9	0.65	26.3	OK
1.004(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	7(WE)- junction	9(WE)	3.372	6.290	0.170	17.018	0.9	0.71	28.9	OK
4.001(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	8(WE)	7(WE)- junction	3.374	6.210	0.112	1.951	0.2	0.03	3.9	OK
1.006(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	10(WE)	13(WE)- junction	3.086	6.488	0.168	21.266	0.9	0.5	35.8	OK
1.007(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	13(WE)- junction	10	3.008	6.910	0.160	22.467	1.0	0.52	37.6	OK
7.000(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	AC12 (WE)	14(WE)	2.970	6.700	0.030	0.000	0.2	0	0.1	OK
7.001(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	14(WE)	13(WE)- junction	3.008	6.890	0.076	0.634	0.3	0.02	1.0	OK
8.004(WE)	Design Criteria FEH: 2 years: +0 %: 15 mins: Summer	Pipe	19(WE)	20(WE)	3.429	6.160	0.091	2.482	0.3	0.07	5.4	OK

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
	Designed by: AK	Checked by:	Approved By:	
Report Details: Type: Connections Summary Storm Phase: Storm to Phase 1 System_RevA	ODYSSEY: ROMSEY			



Design Criteria FEH: 10 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Max. US Water Elevation (m)	Upstream Cover Elevation (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
8.005(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	20(WE)	23(WE)	3.628	6.642	0.300	34.969	0.7	0.47	33.6	Surchar ged
8.006(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	23(WE)	24(WE)	3.589	7.022	0.300	50.001	1.0	0.97	69.6	Surchar ged
12.001(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	25(WE)	24(WE)	3.584	6.723	0.300	0.000	0.1	0.13	9.3	Surchar ged
8.007(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	24(WE)	10	3.583	6.805	0.225	27.797	0.8	0.53	20.7	Surchar ged
1.000(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Winter	Pipe	1(WE)	2(WE)	3.891	4.920	0.153	8.210	0.6	0.42	17.3	OK
1.001(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	2(WE)	3(WE)	3.898	5.285	0.225	17.179	0.8	0.81	32.9	Surchar ged
1.005(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	9(WE)	10(WE)	3.456	6.213	0.225	45.733	1.1	1.1	45.2	Surchar ged
5.001(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Winter	Pipe	11(WE)	10(WE)	3.323	6.590	0.300	0.282	0.1	0.02	1.4	Surchar ged
1.004	Design Criteria FEH: 10 years: +40 %: 60 mins: Winter	Pipe	10	18	3.755	7.015	0.450	40.539	0.6	0.28	45.2	Surchar ged
9.000	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	PP4	PP4 FC	5.766	6.443	0.100	2.515	0.7	0.44	4.2	Surchar ged
9.001	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	PP4 FC	DUMMY 1	5.609	6.751	0.150	2.513	0.8	0.18	3.2	Surchar ged
9.002	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	DUMMY 1	12	5.291	7.000	0.225	2.430	0.4	0.09	4.2	Surchar ged
10.001	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	11	12	5.306	6.547	0.225	28.987	1.3	1.23	49.3	Surchar ged
9.003	Design Criteria FEH: 10 years: +40 %: 15 mins: Winter	Pipe	12	13	5.206	6.855	0.225	73.919	2.8	0.65	88.8	Surchar ged
9.004	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	13	14	4.881	6.916	0.375	74.426	0.9	0.88	99.5	Surchar ged
9.005	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	14	15	4.841	6.699	0.375	123.253	1.7	1.63	183.9	Surchar ged
9.006	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	15	16	4.510	6.237	0.375	172.529	2.6	2.56	288.5	Surchar ged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
	Designed by: AK	Checked by:	Approved By:	
Report Details: Type: Connections Summary Storm Phase: Storm to Phase 1 System RevA	ODYSSEY: ROMSEY			

11.000	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	DUMMY 2	DUMMY 3	5.620	6.900	0.164	26.228	1.8	1.09	56.5	Surchar ged
11.001	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	DUMMY 3	16	5.224	6.271	0.225	26.193	2.8	0.27	55.6	OK
12.000	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	PP6	PP6 FC	5.615	6.432	0.065	5.610	1.4	0.98	7.1	Surchar ged
12.001	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	PP6 FC	16	5.202	6.383	0.100	5.587	3.0	0.24	7.0	OK
9.007	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	16	17	3.923	6.428	0.525	225.007	1.8	1.57	387.0	Surchar ged
13.000	Design Criteria FEH: 10 years: +40 %: 30 mins: Summer	Pipe	PP7	PP7 FC	5.811	6.669	0.100	16.165	1.0	0.5	7.7	Surchar ged
13.001	Design Criteria FEH: 10 years: +40 %: 120 mins: Summer	Pipe	PP7 FC	17	5.738	7.024	0.100	50.849	2.0	0.29	5.5	Surchar ged
9.008	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	17	18	3.442	6.960	0.525	246.626	1.8	0.57	399.3	OK
1.005	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	18	19	3.324	6.858	0.525	248.244	2.0	1.92	431.7	Surchar ged
15.001	Design Criteria FEH: 10 years: +40 %: 60 mins: Summer	Pipe	Swale	SWALE FC	5.212	6.790	0.052	22.362	1.0	0.3	5.4	Surchar ged
15.002	Design Criteria FEH: 10 years: +40 %: 60 mins: Summer	Pipe	SWALE FC	27 (PRIV)	4.632	6.500	0.057	22.186	0.9	0.31	5.5	OK
16.000	Design Criteria FEH: 10 years: +40 %: 60 mins: Summer	Pipe	PP10	PP10 FC	5.501	6.235	0.031	7.284	0.9	0.35	1.9	Surchar ged
16.001	Design Criteria FEH: 10 years: +40 %: 60 mins: Summer	Pipe	PP10 FC	27 (PRIV)	5.175	6.481	0.036	7.270	0.7	0.03	1.9	OK
18.002	Design Criteria FEH: 10 years: +40 %: 120 mins: Winter	Pipe	PP9 OG	Swale	5.463	6.331	0.150	0.275	0.1	0.07	0.8	Surchar ged
18.001	Design Criteria FEH: 10 years: +40 %: 120 mins: Winter	Pipe	PP9	PP9 OG	5.390	6.350	0.100	6.844	0.1	0.36	0.8	Surchar ged
17.000	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	PP10A	PP10A OG	5.431	6.260	0.089	1.812	0.5	0.13	3.8	OK
17.001	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	PP10A OG	Swale	5.336	6.394	0.100	1.587	0.5	0.6	3.3	Surchar ged
5.000(WE)	Design Criteria FEH: 10 years: +40 %: 960 mins: Summer	Pipe	AC7(WE)	11(WE)	4.551	6.166	0.300	0.266	0.0	0.02	1.4	Surchar ged
10.000	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC2	11	4.994	6.289	0.225	0.000	0.8	0.86	29.3	Surchar ged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2					Date: 03-11-2025		I DRN								
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					Report Details: Type: Connections Summary Storm Phase: Storm to Phase 1 System RevA										
					ODYSSEY: ROMSEY										
1.006	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	19	AC1	3.324	6.717	0.525	242.990	2.6	1.43	423.2	Surchar ged			
1.007	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC1	AC 1 HB	3.323	6.413	0.150	3.741	0.4	0.5	4.3	Surchar ged			
1.008	Design Criteria FEH: 10 years: +40 %: 720 mins: Winter	Pipe	AC 1 HB	INFILTRA TION CRATE	4.513	6.384	0.150	142.739	0.7	0.26	1.9	Surchar ged			
15.003	Design Criteria FEH: 10 years: +40 %: 60 mins: Summer	Pipe	27 (PRIV)	INFILTRA TION CRATE	4.242	6.400	0.057	29.318	2.4	0.21	7.4	OK			
OVERFLOW	Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter	No Delay	AC1	INFILTRA TION CRATE	4.557		0.022	195.380	0.0		7.9				
18.000	Design Criteria FEH: 10 years: +40 %: 120 mins: Winter	Pipe	PP9	Swale	5.390	6.200	0.150	0.134	0.1	0.09	1.7	Surchar ged			
20.000	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	DUMMY 6	11	5.854	7.000	0.150	4.545	0.6	0.28	10.4	OK			
Pipe	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC3	12	5.600	6.701	0.225	0.000	0.0	0	0.0	OK			
11.000(WE)	Design Criteria FEH: 10 years: +40 %: 30 mins: Winter	Pipe	AC10 (WE)	21(WE)	3.702	6.330	0.300	5.529	0.6	0.11	8.9	Surchar ged			
11.001(WE)	Design Criteria FEH: 10 years: +40 %: 30 mins: Summer	Pipe	21(WE)	AC9(WE)	3.703	6.741	0.300	10.986	1.2	0.1	15.0	Surchar ged			
11.002(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC9(WE)	22(WE)	3.632	6.680	0.300	0.000	0.2	0.19	16.4	Surchar ged			
11.003(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	22(WE)	20(WE)	3.631	6.686	0.300	0.975	0.2	0.21	16.6	Surchar ged			
12.000(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC8(WE)	25(WE)	3.584	6.400	0.300	0.000	0.1	0.05	9.2	Surchar ged			
6.000(WE)	Design Criteria FEH: 10 years: +40 %: 960 mins: Summer	Pipe	AC5(WE)	12(WE)	4.551	6.280	0.225	0.000	0.0	0.02	0.5	Surchar ged			
6.001(WE)	Design Criteria FEH: 10 years: +40 %: 60 mins: Winter	Pipe	12(WE)	10(WE)	3.755	6.280	0.225	0.701	0.3	0.03	1.2	Surchar ged			
1.002(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	3(WE)	5(WE)- junction	3.772	5.617	0.225	36.994	1.1	1.09	44.3	Surchar ged			
3.000(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC14 (WE)	6(WE)	3.594	5.680	0.184	0.000	0.6	0.29	12.1	OK			
3.001(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	6(WE)	5(WE)- junction	3.593	5.860	0.214	0.000	0.5	0.18	13.1	OK			
2.000(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC15 (WE)	4(WE)	3.750	5.320	0.218	0.000	0.7	0.31	12.7	OK			

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
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Report Details:	ODYSSEY:			
Type: Connections Summary Storm Phase: Storm to Phase 1 System RevA	ROMSEY			

2.001(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	4(WE)	3(WE)	3.745	5.600	0.225	0.000	0.7	0.29	13.2	Surchar ged
4.000(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC13 (WE)	8(WE)	3.448	5.940	0.124	0.000	1.0	0.13	4.9	OK
1.003(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	5(WE)- junction	7(WE)- junction	3.593	6.192	0.225	36.256	0.9	0.9	36.5	Surchar ged
1.004(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	7(WE)- junction	9(WE)	3.489	6.290	0.225	39.655	0.9	0.86	35.0	Surchar ged
4.001(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	8(WE)	7(WE)- junction	3.489	6.210	0.225	3.784	0.4	0.04	5.0	OK
1.006(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	10(WE)	13(WE)- junction	3.322	6.488	0.300	11.313	0.7	0.42	30.3	Surchar ged
1.007(WE)	Design Criteria FEH: 10 years: +40 %: 60 mins: Winter	Pipe	13(WE)- junction	10	3.755	6.910	0.300	20.506	0.8	0.36	26.3	Surchar ged
7.000(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	AC12 (WE)	14(WE)	3.323	6.700	0.225	0.000	0.1	0.13	5.5	Surchar ged
7.001(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Summer	Pipe	14(WE)	13(WE)- junction	3.323	6.890	0.225	0.106	0.3	0.16	6.7	Surchar ged
8.004(WE)	Design Criteria FEH: 10 years: +40 %: 15 mins: Winter	Pipe	19(WE)	20(WE)	3.621	6.160	0.300	5.086	0.2	0.1	7.0	OK

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
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Design Criteria FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Max. US Water Elevation (m)	Upstream Cover Elevation (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
8.005(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	20(WE)	23(WE)	3.810	6.642	0.300	37.124	0.8	0.51	36.2	Surchar ged
8.006(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	23(WE)	24(WE)	3.768	7.022	0.300	58.281	1.2	1.15	82.2	Surchar ged
12.001(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	25(WE)	24(WE)	3.761	6.723	0.300	0.000	0.1	0.12	9.3	Surchar ged
8.007(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	24(WE)	10	3.760	6.805	0.225	26.625	0.9	0.53	20.7	Surchar ged
1.000(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	1(WE)	2(WE)	4.196	4.920	0.225	11.105	0.5	0.52	21.2	Surchar ged
1.001(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	2(WE)	3(WE)	4.150	5.285	0.225	23.222	1.1	1.12	45.1	Surchar ged
1.005(WE)	Design Criteria FEH: 30 years: +45 %: 30 mins: Winter	Pipe	9(WE)	10(WE)	3.791	6.213	0.225	56.319	1.1	1.08	44.2	Surchar ged
5.001(WE)	Design Criteria FEH: 30 years: +45 %: 480 mins: Summer	Pipe	11(WE)	10(WE)	4.653	6.590	0.300	1.506	0.2	0.05	4.0	Surchar ged
1.004	Design Criteria FEH: 30 years: +45 %: 30 mins: Winter	Pipe	10	18	3.795	7.015	0.450	25.292	0.6	0.3	48.7	Surchar ged
9.000	Design Criteria FEH: 30 years: +45 %: 30 mins: Summer	Pipe	PP4	PP4 FC	5.887	6.443	0.100	6.142	0.8	0.41	3.9	Surchar ged
9.001	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	PP4 FC	DUMMY 1	5.737	6.751	0.150	3.159	0.8	0.27	4.8	Surchar ged
9.002	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	DUMMY 1	12	5.848	7.000	0.225	3.011	0.6	0.31	14.2	Surchar ged
10.001	Design Criteria FEH: 30 years: +45 %: 30 mins: Summer	Pipe	11	12	5.512	6.547	0.225	54.485	1.5	1.47	59.0	Surchar ged
9.003	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	12	13	5.851	6.855	0.225	98.843	3.1	0.79	108.3	Surchar ged
9.004	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	13	14	5.671	6.916	0.375	99.525	1.1	1.05	118.4	Surchar ged
9.005	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	14	15	5.663	6.699	0.375	165.390	1.7	1.71	192.4	Surchar ged
9.006	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	15	16	5.322	6.237	0.375	230.767	3.0	2.98	335.1	Surchar ged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
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11.000	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	DUMMY 2	DUMMY 3	6.010	6.900	0.225	35.488	1.9	1.44	74.8	Surchar ged
11.001	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	DUMMY 3	16	5.238	6.271	0.225	35.421	3.1	0.36	74.3	OK
12.000	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	Pipe	PP6	PP6 FC	5.837	6.432	0.093	26.851	1.4	1.17	8.5	Surchar ged
12.001	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	Pipe	PP6 FC	16	5.203	6.383	0.100	26.812	2.4	0.28	8.5	OK
9.007	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	16	17	4.571	6.428	0.525	299.172	2.2	1.93	474.2	Surchar ged
13.000	Design Criteria FEH: 30 years: +45 %: 60 mins: Winter	Pipe	PP7	PP7 FC	5.960	6.669	0.100	35.782	0.8	0.38	5.9	Surchar ged
13.001	Design Criteria FEH: 30 years: +45 %: 60 mins: Winter	Pipe	PP7 FC	17	5.852	7.024	0.100	34.767	2.0	0.31	5.9	Surchar ged
9.008	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	17	18	3.931	6.960	0.525	325.515	2.5	0.75	530.9	Surchar ged
1.005	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	18	19	3.516	6.858	0.525	295.559	2.2	2.12	476.3	Surchar ged
15.001	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	Pipe	Swale	SWALE FC	5.320	6.790	0.057	27.152	1.1	0.36	6.5	Surchar ged
15.002	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	Pipe	SWALE FC	27 (PRIV)	4.638	6.500	0.062	26.956	0.9	0.37	6.5	OK
16.000	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	Pipe	PP10	PP10 FC	5.605	6.235	0.035	10.202	1.0	0.44	2.3	Surchar ged
16.001	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	Pipe	PP10 FC	27 (PRIV)	5.177	6.481	0.040	10.181	0.8	0.04	2.3	OK
18.002	Design Criteria FEH: 30 years: +45 %: 120 mins: Winter	Pipe	PP9 OG	Swale	5.600	6.331	0.150	0.635	0.1	0.09	0.9	Surchar ged
18.001	Design Criteria FEH: 30 years: +45 %: 120 mins: Winter	Pipe	PP9	PP9 OG	5.530	6.350	0.100	7.498	0.1	0.41	0.9	Surchar ged
17.000	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	PP10A	PP10A OG	5.501	6.260	0.169	1.779	0.5	0.19	5.4	Surchar ged
17.001	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	PP10A OG	Swale	5.416	6.394	0.100	1.390	0.5	0.68	3.8	Surchar ged
5.000(WE)	Design Criteria FEH: 30 years: +45 %: 480 mins: Summer	Pipe	AC7(WE)	11(WE)	4.653	6.166	0.300	0.000	0.1	0.06	4.0	Surchar ged
10.000	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC2	11	5.414	6.289	0.225	0.000	1.2	1.45	49.6	Surchar ged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2					Date: 03-11-2025					I DRN		
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					AK							
Report Details: Type: Connections Summary Storm Phase: Storm to Phase 1 System RevA					ODYSSEY: ROMSEY							
1.006	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	19	AC1	3.516	6.717	0.525	289.840	2.8	1.59	470.8	Surchar ged
1.007	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC1	AC 1 HB	3.516	6.413	0.150	4.245	0.5	0.52	4.5	Surchar ged
1.008	Design Criteria FEH: 30 years: +45 %: 240 mins: Winter	Pipe	AC 1 HB	INFILTRA TION CRATE	4.567	6.384	0.150	48.699	0.7	0.27	2.0	Surchar ged
15.003	Design Criteria FEH: 30 years: +45 %: 60 mins: Summer	Pipe	27 (PRIV)	INFILTRA TION CRATE	4.247	6.400	0.068	36.971	2.5	0.26	8.9	OK
OVERFLOW	Design Criteria FEH: 30 years: +45 %: 960 mins: Winter	No Delay	AC1	INFILTRA TION CRATE	4.675		0.042	530.906	0.0		29.6	
18.000	Design Criteria FEH: 30 years: +45 %: 120 mins: Winter	Pipe	PP9	Swale	5.530	6.200	0.150	0.512	0.1	0.1	1.9	Surchar ged
20.000	Design Criteria FEH: 30 years: +45 %: 15 mins: Winter	Pipe	DUMMY 6	11	5.862	7.000	0.150	6.138	0.7	0.36	13.2	OK
Pipe	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC3	12	5.635	6.701	0.225	0.000	0.0	0.01	1.3	OK
11.000(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC10 (WE)	21(WE)	3.816	6.330	0.300	0.229	0.3	0.13	10.1	Surchar ged
11.001(WE)	Design Criteria FEH: 30 years: +45 %: 60 mins: Winter	Pipe	21(WE)	AC9(WE)	4.129	6.741	0.300	6.107	1.1	0.08	11.3	Surchar ged
11.002(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Winter	Pipe	AC9(WE)	22(WE)	3.803	6.680	0.300	0.000	0.3	0.24	20.5	Surchar ged
11.003(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Winter	Pipe	22(WE)	20(WE)	3.802	6.686	0.300	0.001	0.3	0.26	20.7	Surchar ged
12.000(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC8(WE)	25(WE)	3.761	6.400	0.300	0.000	0.1	0.05	9.2	Surchar ged
6.000(WE)	Design Criteria FEH: 30 years: +45 %: 480 mins: Summer	Pipe	AC5(WE)	12(WE)	4.653	6.280	0.225	0.000	0.0	0.05	1.5	Surchar ged
6.001(WE)	Design Criteria FEH: 30 years: +45 %: 480 mins: Summer	Pipe	12(WE)	10(WE)	4.653	6.280	0.225	0.856	0.2	0.04	1.5	Surchar ged
1.002(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	3(WE)	5(WE)- junction	3.912	5.617	0.225	49.438	1.4	1.35	54.9	Surchar ged
3.000(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC14 (WE)	6(WE)	3.705	5.680	0.225	0.000	0.2	0.17	7.3	Surchar ged
3.001(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	6(WE)	5(WE)- junction	3.705	5.860	0.225	0.000	0.2	0.11	7.7	Surchar ged
2.000(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC15 (WE)	4(WE)	3.909	5.320	0.225	0.000	0.6	0.49	19.9	Surchar ged

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2.001(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	4(WE)	3(WE)	3.904	5.600	0.225	0.000	0.6	0.45	20.6	Surchar ged
4.000(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC13 (WE)	8(WE)	3.572	5.940	0.225	0.000	0.1	0.07	2.6	Surchar ged
1.003(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	5(WE)- junction	7(WE)- junction	3.705	6.192	0.225	45.061	1.0	0.94	38.0	Surchar ged
1.004(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	7(WE)- junction	9(WE)	3.571	6.290	0.225	43.524	0.9	0.87	35.4	Surchar ged
4.001(WE)	Design Criteria FEH: 30 years: +45 %: 60 mins: Winter	Pipe	8(WE)	7(WE)- junction	4.090	6.210	0.225	3.280	0.2	0.03	4.2	Surchar ged
1.006(WE)	Design Criteria FEH: 30 years: +45 %: 30 mins: Winter	Pipe	10(WE)	13(WE)- junction	3.792	6.488	0.300	16.054	0.8	0.4	28.6	Surchar ged
1.007(WE)	Design Criteria FEH: 30 years: +45 %: 30 mins: Winter	Pipe	13(WE)- junction	10	3.794	6.910	0.300	14.481	0.9	0.42	30.6	Surchar ged
7.000(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	AC12 (WE)	14(WE)	3.514	6.700	0.225	0.000	0.2	0.16	6.6	Surchar ged
7.001(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	14(WE)	13(WE)- junction	3.514	6.890	0.225	0.152	0.3	0.19	8.3	Surchar ged
8.004(WE)	Design Criteria FEH: 30 years: +45 %: 15 mins: Summer	Pipe	19(WE)	20(WE)	3.809	6.160	0.300	6.597	0.2	0.21	15.0	Surchar ged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025		
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Design Criteria FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Max. US Water Elevation (m)	Upstream Cover Elevation (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
8.005(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	20(WE)	23(WE)	3.998	6.642	0.300	39.451	0.7	0.53	38.2	Surchar ged
8.006(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	23(WE)	24(WE)	3.955	7.022	0.300	66.847	1.3	1.32	94.1	Surchar ged
12.001(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	25(WE)	24(WE)	3.945	6.723	0.300	0.000	0.1	0.12	9.0	Surchar ged
8.007(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	24(WE)	10	3.943	6.805	0.225	25.120	0.9	0.54	20.9	Surchar ged
1.000(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	1(WE)	2(WE)	4.512	4.920	0.225	14.047	0.7	0.67	27.2	Surchar ged
1.001(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	2(WE)	3(WE)	4.442	5.285	0.225	29.158	1.4	1.42	57.6	Surchar ged
1.005(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	9(WE)	10(WE)	3.683	6.213	0.225	53.374	1.1	1.01	41.6	Surchar ged
5.001(WE)	Design Criteria FEH: 100 years: +45 %: 240 mins: Winter	Pipe	11(WE)	10(WE)	4.796	6.590	0.300	0.462	0.2	0.09	6.9	Surchar ged
1.004	Design Criteria FEH: 100 years: +45 %: 30 mins: Winter	Pipe	10	18	4.075	7.015	0.450	23.400	0.6	0.35	57.1	Surchar ged
9.000	Design Criteria FEH: 100 years: +45 %: 30 mins: Summer	Pipe	PP4	PP4 FC	6.016	6.443	0.100	7.823	0.8	0.52	5.0	Surchar ged
9.001	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	PP4 FC	DUMMY 1	5.911	6.751	0.150	2.317	0.8	0.35	6.2	Surchar ged
9.002	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	DUMMY 1	12	6.278	7.000	0.225	2.153	0.4	0.24	11.1	Surchar ged
10.001	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	11	12	6.189	6.547	0.225	45.442	1.8	1.74	70.0	Surchar ged
9.003	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	12	13	6.324	6.855	0.225	119.816	3.1	0.9	123.6	Surchar ged
9.004	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	13	14	6.306	6.916	0.375	120.165	1.2	1.21	136.3	Surchar ged
9.005	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	14	15	6.307	6.699	0.375	201.789	1.7	1.71	192.9	Surchar ged
9.006	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	15	16	5.976	6.237	0.375	282.161	3.4	3.34	376.0	Flood Risk

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11.000	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	DUMMY 2	DUMMY 3	6.452	6.900	0.225	44.875	2.5	1.93	100.6	Surchar ged
11.001	Design Criteria FEH: 100 years: +45 %: 15 mins: Winter	Pipe	DUMMY 3	16	5.250	6.271	0.225	44.807	3.4	0.44	90.0	OK
12.000	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	Pipe	PP6	PP6 FC	6.389	6.432	0.100	36.343	1.4	1.26	9.2	Surchar ged
12.001	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	Pipe	PP6 FC	16	5.205	6.383	0.100	36.299	2.6	0.31	9.2	OK
9.007	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	16	17	5.063	6.428	0.525	368.165	2.5	2.22	546.6	Surchar ged
13.000	Design Criteria FEH: 100 years: +45 %: 60 mins: Winter	Pipe	PP7	PP7 FC	6.097	6.669	0.100	38.638	0.8	0.41	6.4	Surchar ged
13.001	Design Criteria FEH: 100 years: +45 %: 60 mins: Winter	Pipe	PP7 FC	17	5.978	7.024	0.100	37.489	2.0	0.33	6.3	Surchar ged
9.008	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	17	18	4.252	6.960	0.525	401.162	2.9	0.89	623.8	Surchar ged
1.005	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	18	19	3.708	6.858	0.525	342.625	2.5	2.37	533.0	Surchar ged
15.001	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Swale	SWALE FC	5.436	6.790	0.062	31.736	1.1	0.42	7.5	Surchar ged
15.002	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	Pipe	SWALE FC	27 (PRIV)	4.644	6.500	0.067	31.523	1.0	0.42	7.5	OK
16.000	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	Pipe	PP10	PP10 FC	5.715	6.235	0.038	12.921	1.0	0.51	2.8	Surchar ged
16.001	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	Pipe	PP10 FC	27 (PRIV)	5.179	6.481	0.043	12.895	0.8	0.04	2.8	OK
18.002	Design Criteria FEH: 100 years: +45 %: 120 mins: Winter	Pipe	PP9 OG	Swale	5.744	6.331	0.150	1.075	0.1	0.1	1.0	Surchar ged
18.001	Design Criteria FEH: 100 years: +45 %: 120 mins: Winter	Pipe	PP9	PP9 OG	5.675	6.350	0.100	8.017	0.1	0.46	1.0	Surchar ged
17.000	Design Criteria FEH: 100 years: +45 %: 30 mins: Summer	Pipe	PP10A	PP10A OG	5.683	6.260	0.225	2.824	0.4	0.16	4.7	Surchar ged
17.001	Design Criteria FEH: 100 years: +45 %: 30 mins: Summer	Pipe	PP10A OG	Swale	5.607	6.394	0.100	2.221	0.5	0.54	3.0	Surchar ged
5.000(WE)	Design Criteria FEH: 100 years: +45 %: 240 mins: Winter	Pipe	AC7(WE)	11(WE)	4.796	6.166	0.300	0.000	0.1	0.11	6.9	Surchar ged
10.000	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	AC2	11	5.823	6.289	0.225	0.000	1.7	1.99	67.7	Surchar ged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2					Date: 03-11-2025							
					Designed by:		Checked by:		Approved By:			
					AK							
Report Details: Type: Connections Summary Storm Phase: Storm to Phase 1 System RevA					ODYSSEY: ROMSEY							
1.006	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	19	AC1	3.708	6.717	0.525	336.466	2.9	1.79	529.4	Surchar ged
1.007	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	AC1	AC 1 HB	3.708	6.413	0.150	4.729	0.6	0.57	5.0	Surchar ged
1.008	Design Criteria FEH: 100 years: +45 %: 120 mins: Winter	Pipe	AC 1 HB	INFILTRA TION CRATE	4.654	6.384	0.150	24.365	0.7	0.28	2.1	Surchar ged
15.003	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	Pipe	27 (PRIV)	INFILTRA TION CRATE	4.251	6.400	0.079	44.226	2.5	0.3	10.3	OK
OVERFLOW	Design Criteria FEH: 100 years: +45 %: 720 mins: Winter	No Delay	AC1	INFILTRA TION CRATE	4.857		0.058	903.797	0.0		54.9	
18.000	Design Criteria FEH: 100 years: +45 %: 120 mins: Winter	Pipe	PP9	Swale	5.675	6.200	0.150	1.114	0.1	0.11	2.1	Surchar ged
20.000	Design Criteria FEH: 100 years: +45 %: 30 mins: Summer	Pipe	DUMMY 6	11	6.141	7.000	0.150	10.418	0.7	0.32	11.9	Surchar ged
Pipe	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	AC3	12	5.960	6.701	0.225	0.000	1.4	0.36	54.9	Surchar ged
11.000(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Winter	Pipe	AC10 (WE)	21(WE)	3.990	6.330	0.300	0.127	0.3	0.15	11.7	Surchar ged
11.001(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Winter	Pipe	21(WE)	AC9(WE)	3.989	6.741	0.300	2.742	1.2	0.08	12.0	Surchar ged
11.002(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Winter	Pipe	AC9(WE)	22(WE)	3.988	6.680	0.300	0.000	0.3	0.28	24.0	Surchar ged
11.003(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Winter	Pipe	22(WE)	20(WE)	3.987	6.686	0.300	0.000	0.3	0.31	24.3	Surchar ged
12.000(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	AC8(WE)	25(WE)	3.945	6.400	0.300	0.000	0.1	0.05	8.9	Surchar ged
6.000(WE)	Design Criteria FEH: 100 years: +45 %: 240 mins: Summer	Pipe	AC5(WE)	12(WE)	4.779	6.280	0.225	0.000	0.1	0.08	2.6	Surchar ged
6.001(WE)	Design Criteria FEH: 100 years: +45 %: 240 mins: Summer	Pipe	12(WE)	10(WE)	4.779	6.280	0.225	0.851	0.3	0.06	2.7	Surchar ged
1.002(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	3(WE)	5(WE)- junction	4.076	5.617	0.225	57.221	1.6	1.58	64.0	Surchar ged
3.000(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	AC14 (WE)	6(WE)	3.835	5.680	0.225	0.000	0.2	0.15	6.2	Surchar ged
3.001(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	6(WE)	5(WE)- junction	3.834	5.860	0.225	0.000	0.2	0.09	6.5	Surchar ged
2.000(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	AC15 (WE)	4(WE)	4.087	5.320	0.225	0.000	0.6	0.56	22.8	Surchar ged

RUSTINGTON: GOLF COURSE PHASE 3 INTO PHASE 1/2	Date: 03-11-2025			
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2.001(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	4(WE)	3(WE)	4.081	5.600	0.225	0.000	0.6	0.51	23.5	Surchar ged
4.000(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	AC13 (WE)	8(WE)	3.701	5.940	0.225	0.000	0.0	0.03	1.0	Surchar ged
1.003(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	5(WE)- junction	7(WE)- junction	3.832	6.192	0.225	48.085	1.0	0.97	39.5	Surchar ged
1.004(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	7(WE)- junction	9(WE)	3.700	6.290	0.225	42.586	0.9	0.86	35.1	Surchar ged
4.001(WE)	Design Criteria FEH: 100 years: +45 %: 60 mins: Summer	Pipe	8(WE)	7(WE)- junction	4.449	6.210	0.225	2.775	0.3	0.03	4.2	Surchar ged
1.006(WE)	Design Criteria FEH: 100 years: +45 %: 30 mins: Winter	Pipe	10(WE)	13(WE)- junction	4.054	6.488	0.300	15.550	0.9	0.47	34.2	Surchar ged
1.007(WE)	Design Criteria FEH: 100 years: +45 %: 30 mins: Winter	Pipe	13(WE)- junction	10	4.057	6.910	0.300	11.026	1.0	0.51	36.8	Surchar ged
7.000(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	AC12 (WE)	14(WE)	3.690	6.700	0.225	0.000	0.2	0.17	7.2	Surchar ged
7.001(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	14(WE)	13(WE)- junction	3.691	6.890	0.225	0.182	0.2	0.21	9.3	Surchar ged
8.004(WE)	Design Criteria FEH: 100 years: +45 %: 15 mins: Summer	Pipe	19(WE)	20(WE)	3.997	6.160	0.300	8.447	0.3	0.26	19.1	Surchar ged