

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			



Catchment Area (52)

Type : Catchment Area

Area (ha)	0.017
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (53)

Type : Catchment Area

Area (ha)	0.014
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (54)

Type : Catchment Area

Area (ha)	0.022
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (55)

Type : Catchment Area

Area (ha)	0.015
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (56)

Type : Catchment Area

Area (ha)	0.018
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (57)

Type : Catchment Area

Area (ha)	0.081
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (58)

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (59)

Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
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Catchment Area (60)
Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (61)
Type : Catchment Area

Area (ha)	0.018
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (62)
Type : Catchment Area

Area (ha)	0.016
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (63)
Type : Catchment Area

Area (ha)	0.027
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (64)

Type : Catchment Area

Area (ha)	0.018
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (65)

Type : Catchment Area

Area (ha)	0.016
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (66)

Type : Catchment Area

Area (ha)	0.02
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (67)

Type : Catchment Area

Area (ha)	0.014
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (68)

Type : Catchment Area

Area (ha)	0.021
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (69)

Type : Catchment Area

Area (ha)	0.017
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (70)

Type : Catchment Area

Area (ha)	0.037
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (71)

Type : Catchment Area

Area (ha)	0.035
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (72)

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (73)

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (74)

Type : Catchment Area

Area (ha)	0.024
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (75)

Type : Catchment Area

Area (ha)	0.027
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
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	Company Address:			



Catchment Area (76)

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (77)

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (78)

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (79)

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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	Company Address:			



Catchment Area (80)

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (81)

Type : Catchment Area

Area (ha)	0.023
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (82)

Type : Catchment Area

Area (ha)	0.044
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (83)

Type : Catchment Area

Area (ha)	0.013
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (84)

Type : Catchment Area

Area (ha)	0.019
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (85)

Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (86)

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (87)

Type : Catchment Area

Area (ha)	0.017
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (88)
Type : Catchment Area

Area (ha)	0.015
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (89)
Type : Catchment Area

Area (ha)	0.019
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (90)
Type : Catchment Area

Area (ha)	0.019
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (91)
Type : Catchment Area

Area (ha)	0.018
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (92)

Type : Catchment Area

Area (ha)	0.021
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (93)

Type : Catchment Area

Area (ha)	0.031
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (94)

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (95)

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (96)

Type : Catchment Area

Area (ha)	0.053
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (97)

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (98)

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (99)

Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (100)
Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (101)
Type : Catchment Area

Area (ha)	0.036
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (102)
Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (103)
Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (104)
Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (105)
Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (106)
Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (107)
Type : Catchment Area

Area (ha)	0.03
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (108)
Type : Catchment Area

Area (ha)	0.012
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (109)
Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (110)
Type : Catchment Area

Area (ha)	0.011
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (111)
Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
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Catchment Area (112)
Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (113)
Type : Catchment Area

Area (ha)	0.016
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (114)
Type : Catchment Area

Area (ha)	0.021
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (115)
Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (116)

Type : Catchment Area

Area (ha)	0.032
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (117)

Type : Catchment Area

Area (ha)	0.034
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (118)

Type : Catchment Area

Area (ha)	0.023
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (119)

Type : Catchment Area

Area (ha)	0.018
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (120)
Type : Catchment Area

Area (ha)	0.009
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (121)
Type : Catchment Area

Area (ha)	0.026
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (122)
Type : Catchment Area

Area (ha)	0.014
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (123)
Type : Catchment Area

Area (ha)	0.018
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
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Catchment Area (124)
Type : Catchment Area

Area (ha)	0.019
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (125)
Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (126)
Type : Catchment Area

Area (ha)	0.037
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (127)
Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

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Catchment Area (128)
Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (129)
Type : Catchment Area

Area (ha)	0.01
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (130)
Type : Catchment Area

Area (ha)	0.025
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (131)
Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			



Catchment Area (132)

Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (133)

Type : Catchment Area

Area (ha)	0.026
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (134)

Type : Catchment Area

Area (ha)	0.044
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (135)

Type : Catchment Area

Area (ha)	0.005
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (136)
Type : Catchment Area

Area (ha)	0.014
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (137)
Type : Catchment Area

Area (ha)	0.015
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (138)
Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (139)
Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (140)
Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (141)
Type : Catchment Area

Area (ha)	0.019
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (142)
Type : Catchment Area

Area (ha)	0.044
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (143)
Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (144)
Type : Catchment Area

Area (ha)	0.022
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (145)
Type : Catchment Area

Area (ha)	0.012
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (146)
Type : Catchment Area

Area (ha)	0.012
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (147)
Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (148)
Type : Catchment Area

Area (ha)	0.04
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (149)
Type : Catchment Area

Area (ha)	0.013
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (150)
Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (151)
Type : Catchment Area

Area (ha)	0.017
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			



Catchment Area (152)

Type : Catchment Area

Area (ha)	0.04
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (153)

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (154)

Type : Catchment Area

Area (ha)	0.023
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (155)

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (156)
Type : Catchment Area

Area (ha)	0.022
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (157)
Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (158)
Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (159)
Type : Catchment Area

Area (ha)	0.016
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (160)
Type : Catchment Area

Area (ha)	0.044
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (161)
Type : Catchment Area

Area (ha)	0.032
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (162)
Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (163)
Type : Catchment Area

Area (ha)	0.025
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (164)
Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (165)
Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (166)
Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (167)
Type : Catchment Area

Area (ha)	0.015
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	Company Address:		



Catchment Area (168)

Type : Catchment Area

Area (ha)	0.046
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (169)

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (170)

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (171)

Type : Catchment Area

Area (ha)	0.017
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Inflows Storm Phase: Phase				



Catchment Area (172)

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (173)

Type : Catchment Area

Area (ha)	0.02
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (174)

Type : Catchment Area

Area (ha)	0.038
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (175)

Type : Catchment Area

Area (ha)	0.017
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Inflows Storm Phase: Phase				


Catchment Area (176)
Type : Catchment Area

Area (ha)	0.035
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (177)
Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (178)
Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (179)
Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (180)
Type : Catchment Area

Area (ha)	0.055
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (181)
Type : Catchment Area

Area (ha)	0.013
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (182)
Type : Catchment Area

Area (ha)	0.002
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (183)
Type : Catchment Area

Area (ha)	0.017
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (184)
Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (185)
Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (186)
Type : Catchment Area

Area (ha)	0.043
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (187)
Type : Catchment Area

Area (ha)	0.02
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			



Catchment Area (188)

Type : Catchment Area

Area (ha)	0.017
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (189)

Type : Catchment Area

Area (ha)	0.018
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (190)

Type : Catchment Area

Area (ha)	0.012
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (191)

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	Company Address:		



Catchment Area (192)

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (193)

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (194)

Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (195)

Type : Catchment Area

Area (ha)	0.014
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	Company Address:		



Catchment Area (196)

Type : Catchment Area

Area (ha)	0.015
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (197)

Type : Catchment Area

Area (ha)	0.039
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (198)

Type : Catchment Area

Area (ha)	0.017
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (199)

Type : Catchment Area

Area (ha)	0.018
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			



Catchment Area (200)

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (201)

Type : Catchment Area

Area (ha)	0.012
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (202)

Type : Catchment Area

Area (ha)	0.021
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (203)

Type : Catchment Area

Area (ha)	0.018
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	LMoxon			
	Company Address:			



Catchment Area (204)

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (205)

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (206)

Type : Catchment Area

Area (ha)	0.032
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (207)

Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (208)
Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (209)
Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (210)
Type : Catchment Area

Area (ha)	0.01
-----------	------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (211)
Type : Catchment Area

Area (ha)	0.012
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (212)
Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (213)
Type : Catchment Area

Area (ha)	0.023
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (214)
Type : Catchment Area

Area (ha)	0.044
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (215)
Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (216)
Type : Catchment Area

Area (ha)	0.004
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (217)
Type : Catchment Area

Area (ha)	0.007
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (218)
Type : Catchment Area

Area (ha)	0.015
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (219)
Type : Catchment Area

Area (ha)	0.015
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Inflows Storm Phase: Phase				



Catchment Area (220)

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (221)

Type : Catchment Area

Area (ha)	0.02
-----------	------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (222)

Type : Catchment Area

Area (ha)	0.037
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (223)

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			


Catchment Area (224)
Type : Catchment Area

Area (ha)	0.008
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (225)
Type : Catchment Area

Area (ha)	0.009
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (226)
Type : Catchment Area

Area (ha)	0.006
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100


Catchment Area (227)
Type : Catchment Area

Area (ha)	0.012
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	Company Address:		



Catchment Area (228)

Type : Catchment Area

Area (ha)	0.018
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (229)

Type : Catchment Area

Area (ha)	0.058
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (230)

Type : Catchment Area

Area (ha)	0.008
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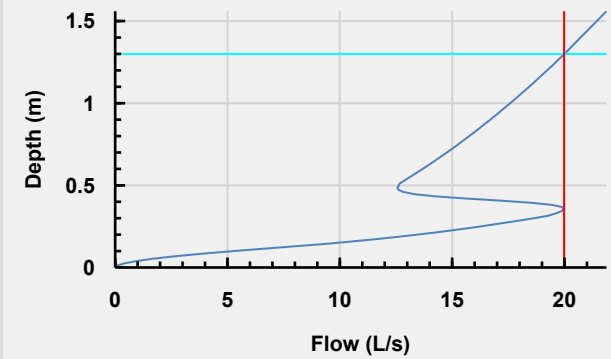
Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.900
Winter Volumetric Runoff	0.950
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	Company Address:		

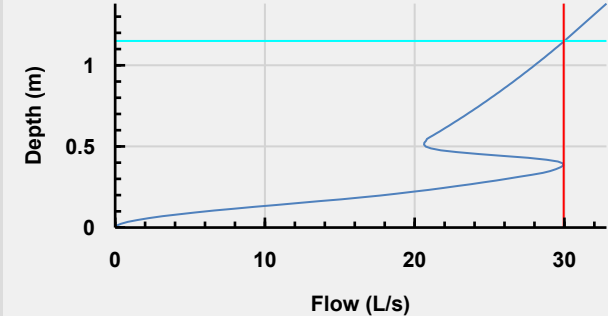
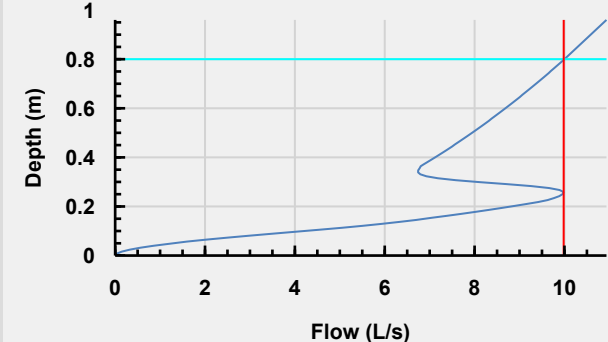


Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
Manhole	Outlet	Pipe	Free Discharge
Manhole (1)	Outlet	Pipe (1)	Free Discharge
Manhole (2)	Outlet	Pipe (2)	Free Discharge
Manhole (3)	Outlet	Pipe (3)	Free Discharge
Manhole (4)	Outlet	Pipe (4)	Free Discharge
Manhole (5)	Outlet	Pipe (5)	Free Discharge
Manhole (6)	Outlet	Pipe (6)	Free Discharge
Manhole (7)	Outlet	Pipe (8)	Free Discharge
Manhole (8)	Outlet	Pipe (9)	Free Discharge
Manhole (9)	Outlet	Pipe (11)	Free Discharge
Manhole (10)	Outlet	Pipe (10)	Free Discharge
Manhole (11)	Outlet	Pipe (13)	Free Discharge
Manhole (12)	Outlet	Pipe (15)	Free Discharge
Manhole (13)	Outlet	Pipe (14)	Free Discharge
Manhole (14)	Outlet	Pipe (12)	Free Discharge
Manhole (15)	Outlet	Pipe (7)	Free Discharge
Manhole (16)	Outlet	Pipe (16)	Free Discharge
Manhole (17)	Outlet	Pipe (17)	Free Discharge
Manhole (18)	Outlet	Pipe (18)	Free Discharge
Manhole (19)	Outlet	Pipe (19)	Free Discharge
Manhole (20)	Outlet	Pipe (20)	Free Discharge
Manhole (21)	Outlet	Pipe (21)	Free Discharge
Manhole (22)	Outlet	Pipe (22)	Free Discharge
Manhole (23)	Outlet	Pipe (27)	Free Discharge
Manhole (24)	Outlet	Pipe (26)	Free Discharge
Manhole (25)	Outlet	Pipe (25)	Free Discharge
Manhole (26)	Outlet	Pipe (24)	Free Discharge
Manhole (27)	Outlet	Pipe (23)	Free Discharge
Manhole (28)	Outlet	Pipe (28)	Free Discharge
Manhole (29)	Outlet	Pipe (29)	Free Discharge
Manhole (30)	Outlet	Pipe (30)	Free Discharge
Manhole (31)	Outlet	Pipe (31)	Free Discharge
Manhole (32)	Outlet	Pipe (32)	Hydro-Brake®
	Invert Level (m)	47.510	
	Design Depth (m)	1.300	
	Design Flow (L/s)	20.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☐	
	Unit Reference	CHE-0183-2000-1300-2000	
			
	Manhole (33)	Outlet	Pipe (87)
	Outlet	Pipe (33)	Hydro-Brake®

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	Company Address:		



Junction	Outlet Name	Outgoing Connection	Outlet Type
Manhole (34)	Invert Level (m)	48.050	
	Design Depth (m)	1.150	
	Design Flow (L/s)	30.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☐	
	Unit Reference	CHE-0222-3000-1150-3000	
			
Manhole (35)	Outlet	Pipe (35)	Free Discharge
Manhole (36)	Outlet	Pipe (36)	Free Discharge
Manhole (37)	Outlet	Pipe (40)	Free Discharge
Manhole (38)	Outlet	Pipe (39)	Hydro-Brake®
	Invert Level (m)	48.800	
	Design Depth (m)	0.800	
	Design Flow (L/s)	10.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☐	
	Unit Reference	CHE-0142-1000-0800-1000	
			
Manhole (39)	Outlet	Pipe (45)	Free Discharge
Manhole (40)	Outlet	Pipe (46)	Free Discharge
Manhole (41)	Outlet	Pipe (47)	Free Discharge
Manhole (42)	Outlet	Pipe (50)	Free Discharge
Manhole (43)	Outlet	Pipe (51)	Free Discharge
Manhole (44)	Outlet	Pipe (52)	Free Discharge
Manhole (45)	Outlet	Pipe (53)	Free Discharge
Manhole (46)	Outlet	Pipe (48)	Free Discharge
Manhole (47)	Outlet	Pipe (49)	Free Discharge
Manhole (48)	Outlet	Pipe (41)	Free Discharge
Manhole (49)	Outlet	Pipe (42)	Free Discharge
Manhole (50)	Outlet	Pipe (43)	Free Discharge
Manhole (51)	Outlet	Pipe (44)	Free Discharge

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	Company Address:		



Junction	Outlet Name	Outgoing Connection	Outlet Type
Manhole (52)	Outlet	Pipe (54)	Orifice
	Diameter (m)	0.440	
	Coefficient of Discharge	0.600	
	Invert Level (m)	49.020	
Manhole (53)	Outlet	Pipe (55)	Free Discharge
Manhole (54)	Outlet	Pipe (56)	Free Discharge
Manhole (55)	Outlet	Pipe (57)	Free Discharge
Manhole (56)	Outlet	Pipe (58)	Free Discharge
Manhole (57)	Outlet	Pipe (59)	Free Discharge
Manhole (58)	Outlet	Pipe (60)	Free Discharge
Manhole (59)	Outlet	Pipe (79)	Free Discharge
Manhole (60)	Outlet	Pipe (80)	Free Discharge
Manhole (61)	Outlet	Pipe (81)	Free Discharge
Manhole (62)	Outlet	Pipe (82)	Free Discharge
Manhole (63)	Outlet	Pipe (62)	Free Discharge
Manhole (64)	Outlet	Pipe (74)	Free Discharge
Manhole (65)	Outlet	Pipe (75)	Free Discharge
Manhole (66)	Outlet	Pipe (76)	Free Discharge
Manhole (67)	Outlet	Pipe (63)	Free Discharge
Manhole (68)	Outlet	Pipe (64)	Free Discharge
Manhole (69)	Outlet	Pipe (65)	Free Discharge
Manhole (70)	Outlet	Pipe (66)	Free Discharge
Manhole (71)	Outlet	Pipe (67)	Free Discharge
Manhole (72)	Outlet	Pipe (68)	Free Discharge
Manhole (73)	Outlet	Pipe (69)	Free Discharge
Manhole (74)	Outlet	Pipe (70)	Free Discharge
Manhole (75)	Outlet	Pipe (73)	Free Discharge
Manhole (76)	Outlet	Pipe (71)	Free Discharge
Manhole (77)	Outlet	Pipe (72)	Free Discharge
Manhole (79)	Outlet	Pipe (85)	Free Discharge
Manhole (80)	Outlet	Pipe (84)	Hydro-Brake®
	Invert Level (m)	41.450	
	Design Depth (m)	0.750	
	Design Flow (L/s)	37.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☐	
	Unit Reference	CHE-0247-3700-0750-3700	
Manhole (81)	Outlet	Pipe (77)	Free Discharge
Manhole (82)	Outlet	Pipe (78)	Free Discharge
Manhole (83)	Outlet	Pipe (34)	Free Discharge
Manhole (84)	Outlet	Pipe (86)	Free Discharge
Manhole (85)	Outlet	Pipe (90)	Free Discharge
Manhole (86)	Outlet	Pipe (88)	Free Discharge

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address:		



Pond

Type : Pond

Dimensions		
Exceedance Level (m)		42.500
Depth (m)		1.000
Base Level (m)		41.500
Freeboard (mm)		0
Initial Depth (m)		0.000
Porosity (%)		100
Average Slope (1:X)		8.153
Total Volume (m³)		2387.880
Depth (m)	Area (m²)	Volume (m³)
0.000	1713.00	0.000
0.500	2047.00	938.761
0.501	2686.00	941.121
1.000	3118.00	2387.880

Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	No Delay
Bypass Destination	(None)
Capacity Type	No Restriction
Inlet (1)	
Inlet Type	Point Inflow
Incoming Item(s)	Pipe
Bypass Destination	(None)
Capacity Type	No Restriction
Inlet (2)	
Inlet Type	Point Inflow
Incoming Item(s)	Pipe (11)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Pipe (83)
Outlet Type	Free Discharge

Advanced	
Perimeter	Circular
Length (m)	74.810
Friction Scheme	Manning's n
n	0.03

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address:		



Pond (1)

Type : Pond

Dimensions

Exceedance Level (m)	49.500
Depth (m)	1.340
Base Level (m)	48.160
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	13.866
Total Volume (m³)	1176.023

Depth (m)	Area (m²)	Volume (m³)
0.000	25.00	0.000
0.340	241.00	38.944
0.341	861.00	39.463
1.340	1439.00	1176.023

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (54)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (37)
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	58.625
Friction Scheme	Manning's n
n	0.03

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Stormwater Controls Storm Phase: Phase				



Swale

Type : Swale

Swale

Exceedance Level (m)	47.500
Depth (m)	0.500
Base Level (m)	47.000
Top Width (m)	4.500
Side Slope (1:X)	4.00
Base Width (m)	0.500
Freeboard (mm)	0
Length (m)	46.600
Long. Slope (1:X)	29.00
Filtration Rate (m/hr)	0.0
Friction Scheme	Manning's n
n	0.03
Total Volume (m³)	58.250

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (40)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	No Delay (2)
Outlet Type	Weir
Width (m)	3.000
Coefficient of Discharge	0.544
Crest Level (m)	47.000

Advanced

Swale

Porosity (%)	100
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Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address:		



Swale (1)

Type : Swale

Swale	
Exceedance Level (m)	45.500
Depth (m)	0.500
Base Level (m)	45.000
Top Width (m)	4.500
Side Slope (1:X)	4.00
Base Width (m)	0.500
Freeboard (mm)	0
Length (m)	46.800
Long. Slope (1:X)	23.00
Filtration Rate (m/hr)	0.0
Friction Scheme	Manning's n
n	0.03
Total Volume (m³)	58.500

Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	No Delay (2)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Inlet (1)	
Inlet Type	Point Inflow
Incoming Item(s)	Pipe (28)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	No Delay (1)
Outlet Type	Weir
Width (m)	3.000
Coefficient of Discharge	0.544
Crest Level (m)	45.000

Advanced	
Swale	
Porosity (%)	100

Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Stormwater Controls Storm Phase: Phase				



Swale (2)

Type : Swale

Swale	
Exceedance Level (m)	44.200
Depth (m)	0.500
Base Level (m)	43.700
Top Width (m)	4.500
Side Slope (1:X)	4.00
Base Width (m)	0.500
Freeboard (mm)	0
Length (m)	37.800
Long. Slope (1:X)	29.00
Filtration Rate (m/hr)	0.0
Friction Scheme	Manning's n
n	0.03
Total Volume (m³)	47.250

Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	No Delay (1)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Inlet (1)	
Inlet Type	Point Inflow
Incoming Item(s)	Pipe (16)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	No Delay
Outlet Type	Weir
Width (m)	3.000
Coefficient of Discharge	0.544
Crest Level (m)	43.700

Advanced	
Swale	
Porosity (%)	100

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address:		



Swale (3)

Type : Swale

Swale

Exceedance Level (m)	57.500
Depth (m)	0.700
Base Level (m)	56.800
Top Width (m)	6.100
Side Slope (1:X)	4.00
Base Width (m)	0.500
Freeboard (mm)	0
Length (m)	52.300
Long. Slope (1:X)	75.00
Filtration Rate (m/hr)	0.0
Friction Scheme	Manning's n
n	0.03
Total Volume (m³)	120.813

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Pipe (79)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	No Delay (3)
Outlet Type	Weir
Width (m)	3.000
Coefficient of Discharge	0.544
Crest Level (m)	56.800

Advanced

Swale

Porosity (%)	100
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Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Stormwater Controls Storm Phase: Phase				



Swale (4)

Type : Swale

Swale

Exceedance Level (m)	57.200
Depth (m)	0.700
Base Level (m)	56.500
Top Width (m)	6.100
Side Slope (1:X)	4.00
Base Width (m)	0.500
Freeboard (mm)	0
Length (m)	17.600
Long. Slope (1:X)	59.00
Filtration Rate (m/hr)	0.0
Friction Scheme	Manning's n
n	0.03
Total Volume (m³)	40.656

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	No Delay (3)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (77)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (61)
Outlet Type	Free Discharge

Advanced

Swale

Porosity (%)	100
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Project:	Date: 22/08/2024			
	Designed by: LMoxon	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Stormwater Controls Storm Phase: Phase				



Cellular Storage

Type : Cellular Storage

Dimensions

Exceedance Level (m)	50.000
Depth (m)	0.800
Base Level (m)	48.800
Number of Crates Long	38
Number of Crates Wide	42
Number of Crates High	2
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	606.880

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (41)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (45)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (38)
Outlet Type	Free Discharge

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company Address:		



Cellular Storage (1)

Type : Cellular Storage

Dimensions	
Exceedance Level (m)	50.100
Depth (m)	1.200
Base Level (m)	47.600
Number of Crates Long	35
Number of Crates Wide	18
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	360.400
Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (88) Catchment Area (89) Catchment Area (87)
Bypass Destination	(None)
Capacity Type	No Restriction
Inlet (1)	
Inlet Type	Point Inflow
Incoming Item(s)	Pipe (86)
Bypass Destination	(None)
Capacity Type	No Restriction
Inlet (2)	
Inlet Type	Point Inflow
Incoming Item(s)	Pipe (88)
Bypass Destination	(None)
Capacity Type	No Restriction
Outlets	
Outlet	
Outgoing Connection	Pipe (89)
Outlet Type	Free Discharge

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Cellular Storage (2)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	52.200
Depth (m)	1.200
Base Level (m)	49.100
Number of Crates Long	18
Number of Crates Wide	40
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	412.300

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (55)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (74)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (91)
Outlet Type	Free Discharge

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Manhole (62)		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (1)	Manhole (62)		Time of Concentration	0.006	100	10	110	0.006
Catchment Area (2)	Manhole (61)		Time of Concentration	0.023	100	10	110	0.025
Catchment Area (3)	Manhole (61)		Time of Concentration	0.005	100	10	110	0.006
Catchment Area (4)	Manhole (61)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (5)	Manhole (61)		Time of Concentration	0.021	100	10	110	0.023
Catchment Area (6)	Manhole (60)		Time of Concentration	0.024	100	10	110	0.027
Catchment Area (7)	Manhole (60)		Time of Concentration	0.037	100	10	110	0.040
Catchment Area (8)	Manhole (60)		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (9)	Manhole (59)		Time of Concentration	0.054	100	10	110	0.059
Catchment Area (10)	Manhole (59)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (11)	Manhole (59)		Time of Concentration	0.022	100	10	110	0.024
Catchment Area (12)	Manhole (59)		Time of Concentration	0.019	100	10	110	0.021
Catchment Area (13)	Manhole (82)		Time of Concentration	0.036	100	10	110	0.040
Catchment Area (14)	Manhole (82)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (15)	Manhole (81)		Time of Concentration	0.073	100	10	110	0.080
Catchment Area (16)	Manhole (81)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (17)	Manhole (81)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (18)	Manhole (59)		Time of Concentration	0.025	100	10	110	0.028
Catchment Area (19)	Manhole (74)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (20)	Manhole (77)		Time of Concentration	0.021	100	10	110	0.023
Catchment Area (21)	Manhole (76)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (22)	Manhole (73)		Time of Concentration	0.074	100	10	110	0.082
Catchment Area (23)	Manhole (73)		Time of Concentration	0.022	100	10	110	0.024
Catchment Area (24)	Manhole (73)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (25)	Manhole (73)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (26)	Manhole (73)		Time of Concentration	0.016	100	10	110	0.018
Catchment Area (27)	Manhole (73)		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (28)	Manhole (77)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (29)	Manhole (73)		Time of Concentration	0.004	100	10	110	0.004
Catchment Area (30)	Manhole (55)		Time of Concentration	0.032	100	10	110	0.035
Catchment Area (31)	Manhole (73)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (32)	Manhole (55)		Time of Concentration	0.010	100	10	110	0.011

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Catchment Area (33)	Manhole (55)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (34)	Manhole (55)		Time of Concentration	0.033	100	10	110	0.037
Catchment Area (35)	Manhole (55)		Time of Concentration	0.029	100	10	110	0.032
Catchment Area (36)	Manhole (55)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (37)	Manhole (72)		Time of Concentration	0.023	100	10	110	0.025
Catchment Area (38)	Manhole (71)		Time of Concentration	0.026	100	10	110	0.029
Catchment Area (39)	Manhole (72)		Time of Concentration	0.022	100	10	110	0.024
Catchment Area (40)	Manhole (72)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (41)	Manhole (71)		Time of Concentration	0.020	100	10	110	0.022
Catchment Area (42)	Manhole (70)		Time of Concentration	0.069	100	10	110	0.076
Catchment Area (43)	Manhole (70)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (44)	Manhole (70)		Time of Concentration	0.028	100	10	110	0.030
Catchment Area (45)	Manhole (75)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (46)	Manhole (75)		Time of Concentration	0.023	100	10	110	0.025
Catchment Area (47)	Manhole (69)		Time of Concentration	0.035	100	10	110	0.038
Catchment Area (48)	Manhole (69)		Time of Concentration	0.024	100	10	110	0.026
Catchment Area (49)	Manhole (69)		Time of Concentration	0.042	100	10	110	0.046
Catchment Area (50)	Manhole (68)		Time of Concentration	0.026	100	10	110	0.028
Catchment Area (51)	Manhole (68)		Time of Concentration	0.016	100	10	110	0.017
Catchment Area (52)	Manhole (69)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (53)	Manhole (68)		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (54)	Manhole (54)		Time of Concentration	0.022	100	10	110	0.024
Catchment Area (55)	Manhole (54)		Time of Concentration	0.015	100	10	110	0.016
Catchment Area (56)	Manhole (54)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (57)	Manhole (53)		Time of Concentration	0.081	100	10	110	0.089
Catchment Area (58)	Manhole (53)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (59)	Manhole (67)		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (60)	Manhole (63)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (61)	Manhole (68)		Time of Concentration	0.018	100	10	110	0.019
Catchment Area (62)	Manhole (63)		Time of Concentration	0.016	100	10	110	0.018
Catchment Area (63)	Manhole (53)		Time of Concentration	0.027	100	10	110	0.030
Catchment Area (64)	Manhole (66)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (65)	Manhole (65)		Time of Concentration	0.016	100	10	110	0.017
Catchment Area (66)	Manhole (64)		Time of Concentration	0.020	100	10	110	0.022
Catchment Area (67)	Manhole (65)		Time of Concentration	0.014	100	10	110	0.016

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Catchment Area (68)	Manhole (65)		Time of Concentration	0.021	100	10	110	0.023
Catchment Area (69)	Manhole (66)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (70)	Manhole (63)		Time of Concentration	0.037	100	10	110	0.041
Catchment Area (71)	Manhole (50)		Time of Concentration	0.035	100	10	110	0.039
Catchment Area (72)	Manhole (50)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (73)	Manhole (50)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (74)	Manhole (49)		Time of Concentration	0.024	100	10	110	0.026
Catchment Area (75)	Manhole (51)		Time of Concentration	0.027	100	10	110	0.029
Catchment Area (76)	Manhole (51)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (77)	Manhole (51)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (78)	Manhole (49)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (79)	Manhole (49)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (80)	Manhole (37)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (81)	Manhole (37)		Time of Concentration	0.023	100	10	110	0.026
Catchment Area (82)	Manhole (36)		Time of Concentration	0.044	100	10	110	0.048
Catchment Area (83)	Manhole (36)		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (84)	Manhole (35)		Time of Concentration	0.019	100	10	110	0.021
Catchment Area (85)	Manhole (36)		Time of Concentration	0.012	100	10	110	0.014
Catchment Area (86)	Manhole (35)		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (87)	Cellular Storage (1)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (88)	Cellular Storage (1)		Time of Concentration	0.015	100	10	110	0.017
Catchment Area (89)	Cellular Storage (1)		Time of Concentration	0.019	100	10	110	0.021
Catchment Area (90)	Manhole (35)		Time of Concentration	0.019	100	10	110	0.021
Catchment Area (91)	Manhole (35)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (92)	Manhole (35)		Time of Concentration	0.021	100	10	110	0.023
Catchment Area (93)	Manhole (32)		Time of Concentration	0.031	100	10	110	0.034
Catchment Area (94)	Manhole (32)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (95)	Manhole (35)		Time of Concentration	0.005	100	10	110	0.006
Catchment Area (96)	Manhole (33)		Time of Concentration	0.053	100	10	110	0.059
Catchment Area (97)	Manhole (33)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (98)	Manhole (33)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (99)	Manhole (32)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (100)	Manhole (32)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (101)	Manhole (31)		Time of Concentration	0.036	100	10	110	0.039
Catchment Area (102)	Manhole (32)		Time of Concentration	0.005	100	10	110	0.006

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Catchment Area (103)	Manhole (31)		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (104)	Manhole (31)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (105)	Manhole (31)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (106)	Manhole (31)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (107)	Manhole (30)		Time of Concentration	0.030	100	10	110	0.033
Catchment Area (108)	Manhole (30)		Time of Concentration	0.012	100	10	110	0.014
Catchment Area (109)	Manhole (31)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (110)	Manhole (30)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (111)	Manhole (30)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (112)	Manhole (7)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (113)	Manhole (6)		Time of Concentration	0.016	100	10	110	0.018
Catchment Area (114)	Manhole (7)		Time of Concentration	0.021	100	10	110	0.023
Catchment Area (115)	Manhole (6)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (116)	Manhole (5)		Time of Concentration	0.032	100	10	110	0.035
Catchment Area (117)	Manhole (8)		Time of Concentration	0.034	100	10	110	0.037
Catchment Area (118)	Manhole (5)		Time of Concentration	0.023	100	10	110	0.025
Catchment Area (119)	Manhole (8)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (120)	Manhole (8)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (121)	Manhole (5)		Time of Concentration	0.026	100	10	110	0.029
Catchment Area (122)	Manhole (4)		Time of Concentration	0.014	100	10	110	0.016
Catchment Area (123)	Manhole (3)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (124)	Manhole (2)		Time of Concentration	0.019	100	10	110	0.021
Catchment Area (125)	Manhole (2)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (126)	Manhole (2)		Time of Concentration	0.037	100	10	110	0.040
Catchment Area (127)	Manhole (2)		Time of Concentration	0.003	100	10	110	0.003
Catchment Area (128)	Manhole (2)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (129)	Manhole (1)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (130)	Manhole (15)		Time of Concentration	0.025	100	10	110	0.027
Catchment Area (131)	Manhole (1)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (132)	Manhole (15)		Time of Concentration	0.007	100	10	110	0.007
Catchment Area (133)	Manhole (29)		Time of Concentration	0.026	100	10	110	0.029
Catchment Area (134)	Manhole (28)		Time of Concentration	0.044	100	10	110	0.048
Catchment Area (135)	Manhole (28)		Time of Concentration	0.005	100	10	110	0.006
Catchment Area (136)	Manhole (29)		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (137)	Manhole (29)		Time of Concentration	0.015	100	10	110	0.017

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Catchment Area (138)	Manhole (30)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (139)	Manhole (29)		Time of Concentration	0.007	100	10	110	0.007
Catchment Area (140)	Manhole (29)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (141)	Manhole (45)		Time of Concentration	0.019	100	10	110	0.021
Catchment Area (142)	Manhole (44)		Time of Concentration	0.044	100	10	110	0.049
Catchment Area (143)	Manhole (45)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (144)	Manhole (44)		Time of Concentration	0.022	100	10	110	0.024
Catchment Area (145)	Manhole (45)		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (146)	Manhole (44)		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (147)	Manhole (44)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (148)	Manhole (43)		Time of Concentration	0.040	100	10	110	0.044
Catchment Area (149)	Manhole (43)		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (150)	Manhole (43)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (151)	Manhole (43)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (152)	Manhole (42)		Time of Concentration	0.040	100	10	110	0.044
Catchment Area (153)	Manhole (43)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (154)	Manhole (42)		Time of Concentration	0.023	100	10	110	0.025
Catchment Area (155)	Manhole (43)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (156)	Manhole (42)		Time of Concentration	0.022	100	10	110	0.024
Catchment Area (157)	Manhole (42)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (158)	Manhole (42)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (159)	Manhole (47)		Time of Concentration	0.016	100	10	110	0.018
Catchment Area (160)	Manhole (46)		Time of Concentration	0.044	100	10	110	0.048
Catchment Area (161)	Manhole (46)		Time of Concentration	0.032	100	10	110	0.035
Catchment Area (162)	Manhole (46)		Time of Concentration	0.004	100	10	110	0.004
Catchment Area (163)	Manhole (26)		Time of Concentration	0.025	100	10	110	0.028
Catchment Area (164)	Manhole (47)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (165)	Manhole (47)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (166)	Manhole (46)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (167)	Manhole (46)		Time of Concentration	0.015	100	10	110	0.016
Catchment Area (168)	Manhole (39)		Time of Concentration	0.046	100	10	110	0.050
Catchment Area (169)	Manhole (39)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (170)	Manhole (39)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (171)	Manhole (39)		Time of Concentration	0.017	100	10	110	0.018
Catchment Area (172)	Manhole (40)		Time of Concentration	0.011	100	10	110	0.012

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Catchment Area (173)	Manhole (40)		Time of Concentration	0.020	100	10	110	0.022
Catchment Area (174)	Manhole (39)		Time of Concentration	0.038	100	10	110	0.042
Catchment Area (175)	Manhole (40)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (176)	Manhole (39)		Time of Concentration	0.035	100	10	110	0.039
Catchment Area (177)	Manhole (39)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (178)	Manhole (39)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (179)	Manhole (39)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (180)	Manhole (25)		Time of Concentration	0.055	100	10	110	0.061
Catchment Area (181)	Manhole (24)		Time of Concentration	0.013	100	10	110	0.014
Catchment Area (182)	Manhole (25)		Time of Concentration	0.002	100	10	110	0.002
Catchment Area (183)	Manhole (22)		Time of Concentration	0.017	100	10	110	0.019
Catchment Area (184)	Manhole (26)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (185)	Manhole (26)		Time of Concentration	0.007	100	10	110	0.007
Catchment Area (186)	Manhole (20)		Time of Concentration	0.043	100	10	110	0.047
Catchment Area (187)	Manhole (21)		Time of Concentration	0.020	100	10	110	0.022
Catchment Area (188)	Manhole (27)		Time of Concentration	0.017	100	10	110	0.018
Catchment Area (189)	Manhole (22)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (190)	Manhole (21)		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (191)	Manhole (27)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (192)	Manhole (26)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (193)	Manhole (21)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (194)	Manhole (20)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (195)	Manhole (20)		Time of Concentration	0.014	100	10	110	0.015
Catchment Area (196)	Manhole (20)		Time of Concentration	0.015	100	10	110	0.017
Catchment Area (197)	Manhole (19)		Time of Concentration	0.039	100	10	110	0.043
Catchment Area (198)	Manhole (19)		Time of Concentration	0.017	100	10	110	0.018
Catchment Area (199)	Manhole (19)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (200)	Manhole (20)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (201)	Manhole (19)		Time of Concentration	0.012	100	10	110	0.014
Catchment Area (202)	Manhole (13)		Time of Concentration	0.021	100	10	110	0.023
Catchment Area (203)	Manhole (12)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (204)	Manhole (12)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (205)	Manhole (12)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (206)	Manhole (18)		Time of Concentration	0.032	100	10	110	0.036
Catchment Area (207)	Manhole (19)		Time of Concentration	0.009	100	10	110	0.010

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
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Catchment Area (208)	Manhole (18)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (209)	Manhole (18)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (210)	Manhole (18)		Time of Concentration	0.010	100	10	110	0.011
Catchment Area (211)	Manhole (23)		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (212)	Manhole (23)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (213)	Manhole (17)		Time of Concentration	0.023	100	10	110	0.025
Catchment Area (214)	Manhole (17)		Time of Concentration	0.044	100	10	110	0.048
Catchment Area (215)	Manhole (17)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (216)	Manhole (18)		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (217)	Manhole (18)		Time of Concentration	0.007	100	10	110	0.008
Catchment Area (218)	Manhole (18)		Time of Concentration	0.015	100	10	110	0.016
Catchment Area (219)	Manhole (16)		Time of Concentration	0.015	100	10	110	0.016
Catchment Area (220)	Manhole (16)		Time of Concentration	0.011	100	10	110	0.012
Catchment Area (221)	Manhole (14)		Time of Concentration	0.020	100	10	110	0.022
Catchment Area (222)	Manhole (11)		Time of Concentration	0.037	100	10	110	0.040
Catchment Area (223)	Manhole (11)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (224)	Manhole (11)		Time of Concentration	0.008	100	10	110	0.009
Catchment Area (225)	Manhole (23)		Time of Concentration	0.009	100	10	110	0.010
Catchment Area (226)	Manhole (16)		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (227)	Manhole (16)		Time of Concentration	0.012	100	10	110	0.013
Catchment Area (228)	Manhole (14)		Time of Concentration	0.018	100	10	110	0.020
Catchment Area (229)	Manhole (10)		Time of Concentration	0.058	100	10	110	0.063
Catchment Area (230)	Manhole (69)		Time of Concentration	0.008	100	10	110	0.009
TOTAL		0.0		4.248				4.672

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	Company Address:		



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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Manhole	FEH: 100 years: +45 %: 60 mins: Summer	44.500	43.060	43.177	0.117	172.5	0.132	0.000	172.6	215.589	OK
Manhole (1)	FEH: 100 years: +45 %: 60 mins: Summer	45.000	43.150	43.412	0.262	172.5	0.297	0.000	172.5	215.544	OK
Manhole (2)	FEH: 100 years: +45 %: 60 mins: Summer	44.700	43.500	43.758	0.258	147.2	0.291	0.000	147.2	183.960	OK
Manhole (3)	FEH: 100 years: +45 %: 60 mins: Summer	44.900	43.700	44.012	0.312	111.0	0.353	0.000	111.0	138.676	Surcharged
Manhole (4)	FEH: 100 years: +45 %: 60 mins: Summer	45.300	44.100	44.295	0.195	102.0	0.220	0.000	102.0	127.475	OK
Manhole (5)	FEH: 100 years: +45 %: 60 mins: Summer	45.750	44.550	44.720	0.170	95.1	0.192	0.000	95.1	118.777	OK
Manhole (6)	FEH: 100 years: +45 %: 60 mins: Summer	46.300	45.100	45.181	0.081	25.9	0.092	0.000	25.9	32.404	OK
Manhole (7)	FEH: 100 years: +45 %: 60 mins: Summer	47.300	46.100	46.158	0.058	13.9	0.066	0.000	13.9	17.419	OK
Manhole (8)	FEH: 100 years: +45 %: 60 mins: Summer	46.800	45.600	45.682	0.082	29.5	0.093	0.000	29.5	36.836	OK
Manhole (9)	FEH: 100 years: +45 %: 60 mins: Summer	43.800	42.670	42.775	0.105	99.4	0.119	0.000	99.4	124.204	OK
Manhole (10)	FEH: 100 years: +45 %: 60 mins: Summer	44.200	43.000	43.255	0.255	99.4	0.288	0.000	99.4	124.205	OK
Manhole (11)	FEH: 100 years: +45 %: 60 mins: Summer	44.600	43.400	43.556	0.156	52.8	0.176	0.000	52.8	66.012	OK
Manhole (12)	FEH: 100 years: +45 %: 60 mins: Summer	45.500	44.200	44.293	0.093	27.2	0.105	0.000	27.2	34.000	OK
Manhole (13)	FEH: 100 years: +45 %: 60 mins: Summer	46.000	44.800	44.849	0.049	10.2	0.055	0.000	10.2	12.739	OK
Manhole (14)	FEH: 100 years: +45 %: 60 mins: Summer	45.400	43.200	43.301	0.101	18.6	0.114	0.000	18.6	23.256	OK
Manhole (15)	FEH: 100 years: +45 %: 60 mins: Summer	46.800	45.600	45.648	0.048	15.3	0.054	0.000	15.3	19.174	OK
Manhole (16)	FEH: 100 years: +45 %: 60 mins: Summer	46.500	45.190	45.623	0.433	303.2	0.490	0.000	302.2	387.042	OK
Manhole (17)	FEH: 100 years: +45 %: 60 mins: Summer	47.400	45.340	45.850	0.510	282.2	0.576	0.000	281.8	360.277	Surcharged
Manhole (18)	FEH: 100 years: +45 %: 60 mins: Summer	46.950	45.570	46.078	0.508	233.2	0.575	0.000	232.7	298.507	Surcharged
Manhole (19)	FEH: 100 years: +45 %: 60 mins: Summer	47.100	45.740	46.201	0.461	192.4	0.522	0.000	191.9	246.816	Surcharged

Project:	Date: 22/08/2024		
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Manhole (20)	FEH: 100 years: +45 %: 60 mins: Summer	47.75 0	46.01 0	46.981	0.971	147.0	1.098	0.000	146.3	189.270	Surcharged
Manhole (21)	FEH: 100 years: +45 %: 60 mins: Summer	48.10 0	46.22 0	47.245	1.025	47.5	1.159	0.000	46.8	60.314	Surcharged
Manhole (22)	FEH: 100 years: +45 %: 60 mins: Summer	49.10 0	47.90 0	47.949	0.049	16.9	0.056	0.000	16.9	21.143	OK
Manhole (23)	FEH: 100 years: +45 %: 60 mins: Summer	48.60 0	47.40 0	47.448	0.048	13.7	0.054	0.000	13.7	17.121	OK
Manhole (24)	FEH: 100 years: +45 %: 60 mins: Summer	48.40 0	47.20 0	47.556	0.356	6.3	0.402	0.000	5.9	7.891	Surcharged
Manhole (25)	FEH: 100 years: +45 %: 60 mins: Summer	48.80 0	47.14 0	47.554	0.414	33.6	0.468	0.000	32.2	42.588	Surcharged
Manhole (26)	FEH: 100 years: +45 %: 60 mins: Summer	49.10 0	46.89 0	47.397	0.507	57.6	0.573	0.000	56.4	74.282	Surcharged
Manhole (27)	FEH: 100 years: +45 %: 60 mins: Summer	47.50 0	46.30 0	47.253	0.953	12.1	1.078	0.000	11.4	15.142	Flood Risk
Manhole (28)	FEH: 100 years: +45 %: 60 mins: Summer	47.72 0	47.02 0	47.367	0.347	142.1	0.393	0.000	142.0	254.804	Surcharged
Manhole (29)	FEH: 100 years: +45 %: 60 mins: Summer	48.00 0	47.13 0	47.711	0.581	118.3	0.658	0.000	118.1	225.361	Flood Risk
Manhole (30)	FEH: 100 years: +45 %: 60 mins: Summer	48.20 0	47.24 0	47.888	0.648	84.3	0.733	0.000	84.1	183.202	Surcharged
Manhole (31)	FEH: 100 years: +45 %: 60 mins: Summer	48.90 0	47.36 0	47.954	0.594	50.4	0.672	0.000	50.1	141.105	Surcharged
Manhole (32)	FEH: 100 years: +45 %: 240 mins: Winter	50.80 0	47.51 0	49.079	1.569	30.8	1.774	0.000	21.0	520.606	Surcharged
Manhole (33)	FEH: 100 years: +45 %: 240 mins: Winter	49.10 0	47.75 0	49.084	1.334	10.1	1.509	0.000	9.8	56.095	Flood Risk
Manhole (34)	FEH: 100 years: +45 %: 360 mins: Winter	49.70 0	48.05 0	49.300	1.250	27.9	1.414	0.000	27.8	802.183	Surcharged
Manhole (35)	FEH: 100 years: +45 %: 60 mins: Summer	51.50 0	50.30 0	50.387	0.087	75.4	0.098	0.000	75.4	94.237	OK
Manhole (36)	FEH: 100 years: +45 %: 60 mins: Summer	52.70 0	51.50 0	51.582	0.082	33.4	0.093	0.000	33.4	41.749	OK
Manhole (37)	FEH: 100 years: +45 %: 60 mins: Summer	49.20 0	48.62 0	48.762	0.142	25.3	0.161	0.000	25.2	64.583	OK
Manhole (38)	FEH: 100 years: +45 %: 360 mins: Winter	50.10 0	48.80 0	49.582	0.782	10.0	0.885	0.000	9.9	310.356	Surcharged
Manhole (39)	FEH: 100 years: +45 %: 360 mins: Winter	50.10 0	48.90 0	49.596	0.696	71.6	0.787	0.000	70.8	619.657	Surcharged
Manhole (40)	FEH: 100 years: +45 %: 60 mins: Summer	50.70 0	49.12 0	49.675	0.555	249.6	0.628	0.000	246.6	314.934	Surcharged
Manhole (41)	FEH: 100 years: +45 %: 60 mins: Summer	50.80 0	49.18 0	49.764	0.584	228.1	0.661	0.000	226.1	287.882	Surcharged
Manhole (42)	FEH: 100 years: +45 %: 60 mins: Summer	51.20 0	50.10 0	50.243	0.143	163.2	0.162	0.000	167.7	203.900	OK

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Manhole (43)	FEH: 100 years: +45 %: 60 mins: Summer	54.50 0	53.30 0	53.431	0.131	111.9	0.149	0.000	111.9	139.886	OK
Manhole (44)	FEH: 100 years: +45 %: 60 mins: Summer	55.00 0	53.63 0	53.890	0.260	62.5	0.294	0.000	62.5	78.102	Surcharged
Manhole (45)	FEH: 100 years: +45 %: 60 mins: Summer	55.00 0	53.80 0	53.925	0.125	20.3	0.141	0.000	20.3	25.410	OK
Manhole (46)	FEH: 100 years: +45 %: 60 mins: Summer	50.80 0	49.25 0	49.822	0.572	66.8	0.647	0.000	64.8	84.568	Surcharged
Manhole (47)	FEH: 100 years: +45 %: 60 mins: Summer	51.20 0	49.57 0	49.873	0.303	18.0	0.342	0.000	16.7	22.595	Surcharged
Manhole (48)	FEH: 100 years: +45 %: 360 mins: Winter	50.30 0	48.90 0	49.596	0.696	13.7	0.787	0.000	13.5	116.263	Surcharged
Manhole (49)	FEH: 100 years: +45 %: 360 mins: Winter	50.60 0	49.30 0	49.596	0.296	13.7	0.334	0.000	13.7	117.463	OK
Manhole (50)	FEH: 100 years: +45 %: 60 mins: Summer	53.40 0	52.20 0	52.262	0.062	24.3	0.070	0.000	24.3	30.353	OK
Manhole (51)	FEH: 100 years: +45 %: 60 mins: Summer	51.00 0	49.80 0	49.884	0.084	20.7	0.096	0.000	20.7	25.925	OK
Manhole (52)	FEH: 100 years: +45 %: 60 mins: Summer	52.10 0	49.02 0	50.085	1.065	363.1	1.205	0.000	363.5	921.177	Surcharged
Manhole (53)	FEH: 100 years: +45 %: 60 mins: Summer	53.15 0	51.90 0	52.134	0.234	682.3	0.264	0.000	682.2	890.007	OK
Manhole (54)	FEH: 100 years: +45 %: 60 mins: Summer	54.20 0	53.00 0	53.231	0.231	262.5	0.261	0.000	262.1	365.134	OK
Manhole (55)	FEH: 100 years: +45 %: 60 mins: Summer	55.60 0	54.40 0	54.624	0.224	236.2	0.254	0.000	236.0	331.970	OK
Manhole (56)	FEH: 100 years: +45 %: 60 mins: Summer	56.30 0	55.10 0	55.956	0.856	178.7	0.969	0.000	178.3	259.587	Surcharged
Manhole (57)	FEH: 100 years: +45 %: 60 mins: Summer	56.50 0	55.30 0	56.214	0.914	179.1	1.034	0.000	178.7	259.538	Flood Risk
Manhole (58)	FEH: 100 years: +45 %: 60 mins: Summer	56.80 0	55.60 0	56.679	1.079	179.7	1.221	0.000	179.1	259.475	Flood Risk
Manhole (59)	FEH: 100 years: +45 %: 60 mins: Summer	58.20 0	57.55 0	57.687	0.137	137.2	0.155	0.000	137.2	171.485	OK
Manhole (60)	FEH: 100 years: +45 %: 60 mins: Summer	59.10 0	57.81 0	58.026	0.216	73.7	0.244	0.000	73.7	92.125	OK
Manhole (61)	FEH: 100 years: +45 %: 60 mins: Summer	59.50 0	57.98 0	58.117	0.137	37.3	0.155	0.000	37.3	46.578	OK
Manhole (62)	FEH: 100 years: +45 %: 60 mins: Summer	59.20 0	58.20 0	58.272	0.072	9.7	0.081	0.000	9.7	12.066	OK
Manhole (63)	FEH: 100 years: +45 %: 60 mins: Summer	54.25 0	52.98 0	53.298	0.318	363.5	0.360	0.000	363.5	454.264	OK
Manhole (64)	FEH: 100 years: +45 %: 60 mins: Summer	52.10 0	49.15 0	50.275	1.125	48.5	1.272	0.000	47.0	64.007	Surcharged
Manhole (65)	FEH: 100 years: +45 %: 60 mins: Summer	51.40 0	49.32 0	50.281	0.961	40.4	1.087	0.000	38.9	52.257	Surcharged

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Manhole (66)	FEH: 100 years: +45 %: 60 mins: Summer	50.70 0	49.50 0	50.281	0.781	17.1	0.884	0.000	15.7	21.383	Surcharged
Manhole (67)	FEH: 100 years: +45 %: 60 mins: Summer	54.30 0	53.06 0	53.560	0.500	333.0	0.566	0.000	333.0	416.176	Surcharged
Manhole (68)	FEH: 100 years: +45 %: 60 mins: Summer	54.30 0	53.10 0	53.715	0.615	327.3	0.696	0.000	327.3	409.000	Surcharged
Manhole (69)	FEH: 100 years: +45 %: 60 mins: Summer	55.20 0	54.00 0	54.224	0.224	291.9	0.254	0.000	291.9	364.739	OK
Manhole (70)	FEH: 100 years: +45 %: 60 mins: Summer	55.70 0	54.50 0	54.776	0.276	230.9	0.312	0.000	230.9	288.495	OK
Manhole (71)	FEH: 100 years: +45 %: 60 mins: Summer	56.10 0	54.90 0	55.134	0.234	159.5	0.265	0.000	159.5	199.387	OK
Manhole (72)	FEH: 100 years: +45 %: 60 mins: Summer	56.70 0	55.50 0	55.724	0.224	137.4	0.254	0.000	137.4	171.699	OK
Manhole (73)	FEH: 100 years: +45 %: 60 mins: Summer	57.40 0	55.99 0	56.186	0.196	107.0	0.221	0.000	107.0	133.700	OK
Manhole (74)	FEH: 100 years: +45 %: 60 mins: Summer	57.70 0	56.50 0	56.566	0.066	8.8	0.075	0.000	8.8	10.947	OK
Manhole (75)	FEH: 100 years: +45 %: 60 mins: Summer	56.10 0	54.90 0	54.995	0.095	20.0	0.107	0.000	20.0	24.930	OK
Manhole (76)	FEH: 100 years: +45 %: 60 mins: Summer	57.70 0	56.21 0	56.328	0.118	23.3	0.133	0.000	23.3	29.053	OK
Manhole (77)	FEH: 100 years: +45 %: 60 mins: Summer	57.50 0	56.30 0	56.401	0.101	15.0	0.114	0.000	15.0	18.788	OK
Manhole (78)	FEH: 100 years: +45 %: 60 mins: Summer	41.10 0	40.20 0	40.350	0.150	29.5	0.000	0.000	29.5	157.519	OK
Manhole (79)	FEH: 100 years: +45 %: 1440 mins: Winter	41.10 0	40.22 0	40.507	0.287	32.3	0.324	0.000	32.3	4546.158	Surcharged
Manhole (80)	FEH: 100 years: +45 %: 1440 mins: Winter	42.50 0	41.45 0	42.241	0.791	32.3	0.895	0.000	32.3	4547.086	Flood Risk
Manhole (81)	FEH: 100 years: +45 %: 60 mins: Summer	57.60 0	56.83 0	57.184	0.354	70.5	0.401	0.000	70.6	87.957	Surcharged
Manhole (82)	FEH: 100 years: +45 %: 60 mins: Summer	58.50 0	57.03 0	57.242	0.212	21.6	0.240	0.000	21.6	26.951	OK
Manhole (83)	FEH: 100 years: +45 %: 240 mins: Winter	49.20 0	47.83 0	49.101	1.271	28.8	1.438	0.000	28.4	572.608	Flood Risk
Manhole (84)	FEH: 100 years: +45 %: 240 mins: Winter	49.80 0	47.68 0	49.087	1.407	28.4	1.592	0.000	28.2	570.766	Surcharged
Manhole (85)	FEH: 100 years: +45 %: 240 mins: Winter	50.50 0	47.57 0	49.082	1.512	20.0	1.711	0.000	20.0	385.161	Surcharged
Manhole (86)	FEH: 100 years: +45 %: 240 mins: Winter	50.20 0	47.62 0	49.084	1.464	9.8	1.656	0.000	9.6	54.228	Surcharged

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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Manhole	FEH: 2 years: +0 %: 60 mins: Summer	44.500	43.060	43.118	0.058	44.7	0.066	0.000	44.7	55.763	OK
Manhole (1)	FEH: 2 years: +0 %: 60 mins: Summer	45.000	43.150	43.278	0.128	44.6	0.144	0.000	44.7	55.742	OK
Manhole (2)	FEH: 2 years: +0 %: 60 mins: Summer	44.700	43.500	43.617	0.117	38.1	0.133	0.000	38.1	47.592	OK
Manhole (3)	FEH: 2 years: +0 %: 60 mins: Summer	44.900	43.700	43.809	0.109	28.7	0.123	0.000	28.7	35.869	OK
Manhole (4)	FEH: 2 years: +0 %: 60 mins: Summer	45.300	44.100	44.181	0.081	26.4	0.092	0.000	26.4	32.974	OK
Manhole (5)	FEH: 2 years: +0 %: 60 mins: Summer	45.750	44.550	44.626	0.076	24.6	0.086	0.000	24.6	30.731	OK
Manhole (6)	FEH: 2 years: +0 %: 60 mins: Summer	46.300	45.100	45.141	0.041	6.7	0.046	0.000	6.7	8.379	OK
Manhole (7)	FEH: 2 years: +0 %: 60 mins: Summer	47.300	46.100	46.130	0.030	3.6	0.034	0.000	3.6	4.512	OK
Manhole (8)	FEH: 2 years: +0 %: 60 mins: Summer	46.800	45.600	45.641	0.041	7.6	0.047	0.000	7.6	9.539	OK
Manhole (9)	FEH: 2 years: +0 %: 60 mins: Summer	43.800	42.670	42.721	0.051	25.7	0.058	0.000	25.7	32.139	OK
Manhole (10)	FEH: 2 years: +0 %: 60 mins: Summer	44.200	43.000	43.111	0.111	25.7	0.126	0.000	25.7	32.130	OK
Manhole (11)	FEH: 2 years: +0 %: 60 mins: Summer	44.600	43.400	43.475	0.075	13.7	0.085	0.000	13.7	17.076	OK
Manhole (12)	FEH: 2 years: +0 %: 60 mins: Summer	45.500	44.200	44.246	0.046	7.1	0.052	0.000	7.0	8.802	OK
Manhole (13)	FEH: 2 years: +0 %: 60 mins: Summer	46.000	44.800	44.825	0.025	2.6	0.029	0.000	2.6	3.294	OK
Manhole (14)	FEH: 2 years: +0 %: 60 mins: Summer	45.400	43.200	43.249	0.049	4.8	0.055	0.000	4.8	6.021	OK
Manhole (15)	FEH: 2 years: +0 %: 60 mins: Summer	46.800	45.600	45.624	0.024	4.0	0.028	0.000	4.0	4.961	OK
Manhole (16)	FEH: 2 years: +0 %: 60 mins: Summer	46.500	45.190	45.373	0.183	80.1	0.207	0.000	80.1	100.129	OK
Manhole (17)	FEH: 2 years: +0 %: 60 mins: Summer	47.400	45.340	45.513	0.173	74.6	0.196	0.000	74.6	93.177	OK
Manhole (18)	FEH: 2 years: +0 %: 60 mins: Summer	46.950	45.570	45.727	0.157	61.8	0.178	0.000	61.8	77.199	OK
Manhole (19)	FEH: 2 years: +0 %: 60 mins: Summer	47.100	45.740	45.883	0.143	51.1	0.162	0.000	51.1	63.833	OK
Manhole (20)	FEH: 2 years: +0 %: 60 mins: Summer	47.750	46.010	46.154	0.144	39.2	0.162	0.000	39.2	48.940	OK
Manhole (21)	FEH: 2 years: +0 %: 60 mins: Summer	48.100	46.220	46.302	0.082	12.5	0.093	0.000	12.5	15.585	OK
Manhole (22)	FEH: 2 years: +0 %: 60 mins: Summer	49.100	47.900	47.926	0.026	4.4	0.030	0.000	4.4	5.479	OK
Manhole (23)	FEH: 2 years: +0 %: 60 mins: Summer	48.600	47.400	47.424	0.024	3.5	0.027	0.000	3.6	4.438	OK
Manhole (24)	FEH: 2 years: +0 %: 60 mins: Summer	48.400	47.200	47.229	0.029	1.6	0.033	0.000	1.6	2.039	OK
Manhole (25)	FEH: 2 years: +0 %: 60 mins: Summer	48.800	47.140	47.211	0.071	8.8	0.081	0.000	8.8	11.013	OK
Manhole (26)	FEH: 2 years: +0 %: 60 mins: Summer	49.100	46.890	46.954	0.064	15.4	0.073	0.000	15.4	19.226	OK
Manhole (27)	FEH: 2 years: +0 %: 60 mins: Summer	47.500	46.300	46.341	0.041	3.1	0.047	0.000	3.1	3.911	OK
Manhole (28)	FEH: 2 years: +0 %: 60 mins: Summer	47.720	47.020	47.199	0.179	42.9	0.203	0.000	42.9	128.212	OK
Manhole (29)	FEH: 2 years: +0 %: 60 mins: Summer	48.000	47.130	47.293	0.163	36.8	0.184	0.000	36.7	121.019	OK

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Manhole (30)	FEH: 2 years: +0 %: 60 mins: Summer	48.20 0	47.24 0	47.376	0.136	28.0	0.154	0.000	27.9	110.664	OK
Manhole (31)	FEH: 2 years: +0 %: 360 mins: Winter	48.90 0	47.36 0	47.476	0.116	22.0	0.132	0.000	22.0	545.716	OK
Manhole (32)	FEH: 2 years: +0 %: 480 mins: Winter	50.80 0	47.51 0	48.300	0.790	30.1	0.893	0.000	20.0	598.515	Surcharged
Manhole (33)	FEH: 2 years: +0 %: 480 mins: Winter	49.10 0	47.75 0	48.304	0.554	1.9	0.627	0.000	1.8	22.082	Surcharged
Manhole (34)	FEH: 2 years: +0 %: 120 mins: Winter	49.70 0	48.05 0	48.598	0.548	29.9	0.620	0.000	29.9	295.402	Surcharged
Manhole (35)	FEH: 2 years: +0 %: 60 mins: Summer	51.50 0	50.30 0	50.342	0.042	19.5	0.048	0.000	19.5	24.384	OK
Manhole (36)	FEH: 2 years: +0 %: 60 mins: Summer	52.70 0	51.50 0	51.541	0.041	8.6	0.046	0.000	8.6	10.798	OK
Manhole (37)	FEH: 2 years: +0 %: 480 mins: Winter	49.20 0	48.62 0	48.689	0.069	7.3	0.079	0.000	7.3	206.554	OK
Manhole (38)	FEH: 2 years: +0 %: 480 mins: Winter	50.10 0	48.80 0	49.029	0.229	7.0	0.259	0.000	7.0	196.648	Surcharged
Manhole (39)	FEH: 2 years: +0 %: 60 mins: Summer	50.10 0	48.90 0	49.066	0.166	88.6	0.188	0.000	88.4	110.574	OK
Manhole (40)	FEH: 2 years: +0 %: 60 mins: Summer	50.70 0	49.12 0	49.281	0.161	65.9	0.183	0.000	65.9	82.457	OK
Manhole (41)	FEH: 2 years: +0 %: 60 mins: Summer	50.80 0	49.18 0	49.348	0.168	59.9	0.190	0.000	59.9	74.846	OK
Manhole (42)	FEH: 2 years: +0 %: 60 mins: Summer	51.20 0	50.10 0	50.161	0.061	42.2	0.069	0.000	42.2	52.787	OK
Manhole (43)	FEH: 2 years: +0 %: 60 mins: Summer	54.50 0	53.30 0	53.363	0.063	29.0	0.071	0.000	29.0	36.205	OK
Manhole (44)	FEH: 2 years: +0 %: 60 mins: Summer	55.00 0	53.63 0	53.716	0.086	16.2	0.097	0.000	16.2	20.220	OK
Manhole (45)	FEH: 2 years: +0 %: 60 mins: Summer	55.00 0	53.80 0	53.853	0.053	5.3	0.060	0.000	5.3	6.580	OK
Manhole (46)	FEH: 2 years: +0 %: 60 mins: Summer	50.80 0	49.25 0	49.359	0.109	17.6	0.124	0.000	17.6	22.062	OK
Manhole (47)	FEH: 2 years: +0 %: 60 mins: Summer	51.20 0	49.57 0	49.619	0.049	4.7	0.055	0.000	4.7	5.841	OK
Manhole (48)	FEH: 2 years: +0 %: 480 mins: Winter	50.30 0	48.90 0	49.037	0.137	3.7	0.155	0.000	3.6	41.898	OK
Manhole (49)	FEH: 2 years: +0 %: 60 mins: Summer	50.60 0	49.30 0	49.353	0.053	16.6	0.060	0.000	16.6	20.783	OK
Manhole (50)	FEH: 2 years: +0 %: 60 mins: Summer	53.40 0	52.20 0	52.232	0.032	6.3	0.036	0.000	6.3	7.841	OK
Manhole (51)	FEH: 2 years: +0 %: 60 mins: Summer	51.00 0	49.80 0	49.839	0.039	5.4	0.044	0.000	5.4	6.719	OK
Manhole (52)	FEH: 2 years: +0 %: 60 mins: Summer	52.10 0	49.02 0	49.372	0.352	123.5	0.398	0.000	123.6	238.393	OK
Manhole (53)	FEH: 2 years: +0 %: 60 mins: Summer	53.15 0	51.90 0	52.009	0.109	184.3	0.123	0.000	184.3	230.315	OK
Manhole (54)	FEH: 2 years: +0 %: 60 mins: Summer	54.20 0	53.00 0	53.113	0.113	75.6	0.128	0.000	75.6	94.394	OK
Manhole (55)	FEH: 2 years: +0 %: 60 mins: Summer	55.60 0	54.40 0	54.512	0.112	68.7	0.127	0.000	68.7	85.826	OK
Manhole (56)	FEH: 2 years: +0 %: 60 mins: Summer	56.30 0	55.10 0	55.233	0.133	53.7	0.151	0.000	53.7	67.093	OK
Manhole (57)	FEH: 2 years: +0 %: 60 mins: Summer	56.50 0	55.30 0	55.420	0.120	53.7	0.135	0.000	53.7	67.104	OK
Manhole (58)	FEH: 2 years: +0 %: 60 mins: Summer	56.80 0	55.60 0	55.727	0.127	53.7	0.144	0.000	53.7	67.106	OK
Manhole (59)	FEH: 2 years: +0 %: 60 mins: Summer	58.20 0	57.55 0	57.612	0.062	35.5	0.071	0.000	35.5	44.380	OK
Manhole (60)	FEH: 2 years: +0 %: 60 mins: Summer	59.10 0	57.81 0	57.909	0.099	19.1	0.112	0.000	19.1	23.831	OK
Manhole (61)	FEH: 2 years: +0 %: 60 mins: Summer	59.50 0	57.98 0	58.046	0.066	9.6	0.075	0.000	9.6	12.051	OK
Manhole (62)	FEH: 2 years: +0 %: 60 mins: Summer	59.20 0	58.20 0	58.236	0.036	2.5	0.041	0.000	2.5	3.119	OK
Manhole (63)	FEH: 2 years: +0 %: 60 mins: Summer	54.25 0	52.98 0	53.119	0.139	94.1	0.158	0.000	94.1	117.540	OK
Manhole (64)	FEH: 2 years: +0 %: 60 mins: Summer	52.10 0	49.15 0	49.395	0.245	13.3	0.277	0.000	11.8	16.596	OK

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Manhole (65)	FEH: 2 years: +0 %: 60 mins: Summer	51.40 0	49.32 0	49.397	0.077	10.8	0.088	0.000	10.8	13.547	OK
Manhole (66)	FEH: 2 years: +0 %: 60 mins: Summer	50.70 0	49.50 0	49.545	0.045	4.4	0.050	0.000	4.4	5.534	OK
Manhole (67)	FEH: 2 years: +0 %: 60 mins: Summer	54.30 0	53.06 0	53.247	0.187	86.2	0.212	0.000	86.2	107.689	OK
Manhole (68)	FEH: 2 years: +0 %: 60 mins: Summer	54.30 0	53.10 0	53.306	0.206	84.7	0.233	0.000	84.7	105.838	OK
Manhole (69)	FEH: 2 years: +0 %: 60 mins: Summer	55.20 0	54.00 0	54.109	0.109	75.6	0.123	0.000	75.6	94.405	OK
Manhole (70)	FEH: 2 years: +0 %: 60 mins: Summer	55.70 0	54.50 0	54.625	0.125	59.8	0.142	0.000	59.8	74.653	OK
Manhole (71)	FEH: 2 years: +0 %: 60 mins: Summer	56.10 0	54.90 0	55.006	0.106	41.3	0.120	0.000	41.3	51.583	OK
Manhole (72)	FEH: 2 years: +0 %: 60 mins: Summer	56.70 0	55.50 0	55.594	0.094	35.6	0.106	0.000	35.6	44.417	OK
Manhole (73)	FEH: 2 years: +0 %: 60 mins: Summer	57.40 0	55.99 0	56.075	0.085	27.7	0.097	0.000	27.7	34.597	OK
Manhole (74)	FEH: 2 years: +0 %: 60 mins: Summer	57.70 0	56.50 0	56.534	0.034	2.3	0.038	0.000	2.3	2.826	OK
Manhole (75)	FEH: 2 years: +0 %: 60 mins: Summer	56.10 0	54.90 0	54.946	0.046	5.2	0.052	0.000	5.2	6.459	OK
Manhole (76)	FEH: 2 years: +0 %: 60 mins: Summer	57.70 0	56.21 0	56.267	0.057	6.0	0.064	0.000	6.0	7.525	OK
Manhole (77)	FEH: 2 years: +0 %: 60 mins: Summer	57.50 0	56.30 0	56.347	0.047	3.9	0.053	0.000	3.9	4.866	OK
Manhole (78)	FEH: 2 years: +0 %: 120 mins: Summer	41.10 0	40.20 0	40.350	0.150	16.8	0.000	0.000	16.8	160.095	OK
Manhole (79)	FEH: 2 years: +0 %: 1440 mins: Winter	41.10 0	40.22 0	40.474	0.254	28.8	0.287	0.000	28.8	1775.883	Surcharged
Manhole (80)	FEH: 2 years: +0 %: 1440 mins: Winter	42.50 0	41.45 0	41.837	0.387	28.8	0.438	0.000	28.8	1775.983	Surcharged
Manhole (81)	FEH: 2 years: +0 %: 60 mins: Summer	57.60 0	56.83 0	56.940	0.110	18.2	0.124	0.000	18.2	22.746	OK
Manhole (82)	FEH: 2 years: +0 %: 60 mins: Summer	58.50 0	57.03 0	57.084	0.054	5.6	0.061	0.000	5.6	6.970	OK
Manhole (83)	FEH: 2 years: +0 %: 480 mins: Winter	49.20 0	47.83 0	48.326	0.496	26.5	0.561	0.000	26.4	496.154	Surcharged
Manhole (84)	FEH: 2 years: +0 %: 480 mins: Winter	49.80 0	47.68 0	48.308	0.628	26.4	0.711	0.000	26.3	496.138	Surcharged
Manhole (85)	FEH: 2 years: +0 %: 480 mins: Winter	50.50 0	47.57 0	48.303	0.733	27.8	0.829	0.000	25.5	532.132	Surcharged
Manhole (86)	FEH: 2 years: +0 %: 480 mins: Winter	50.20 0	47.62 0	48.304	0.684	1.8	0.774	0.000	1.7	22.067	Surcharged

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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Manhole	FEH: 30 years: +0 %: 60 mins: Summer	44.500	43.060	43.144	0.084	94.1	0.095	0.000	94.2	117.549	OK
Manhole (1)	FEH: 30 years: +0 %: 60 mins: Summer	45.000	43.150	43.335	0.185	94.0	0.210	0.000	94.1	117.512	OK
Manhole (2)	FEH: 30 years: +0 %: 60 mins: Summer	44.700	43.500	43.677	0.177	80.2	0.201	0.000	80.2	100.306	OK
Manhole (3)	FEH: 30 years: +0 %: 60 mins: Summer	44.900	43.700	43.872	0.172	60.5	0.195	0.000	60.5	75.612	OK
Manhole (4)	FEH: 30 years: +0 %: 60 mins: Summer	45.300	44.100	44.226	0.126	55.6	0.142	0.000	55.6	69.502	OK
Manhole (5)	FEH: 30 years: +0 %: 60 mins: Summer	45.750	44.550	44.665	0.115	51.8	0.131	0.000	51.8	64.757	OK
Manhole (6)	FEH: 30 years: +0 %: 60 mins: Summer	46.300	45.100	45.159	0.059	14.1	0.067	0.000	14.1	17.661	OK
Manhole (7)	FEH: 30 years: +0 %: 60 mins: Summer	47.300	46.100	46.143	0.043	7.6	0.049	0.000	7.6	9.504	OK
Manhole (8)	FEH: 30 years: +0 %: 60 mins: Summer	46.800	45.600	45.660	0.060	16.1	0.068	0.000	16.1	20.088	OK
Manhole (9)	FEH: 30 years: +0 %: 60 mins: Summer	43.800	42.670	42.744	0.074	54.2	0.084	0.000	54.2	67.727	OK
Manhole (10)	FEH: 30 years: +0 %: 60 mins: Summer	44.200	43.000	43.168	0.168	54.2	0.190	0.000	54.2	67.713	OK
Manhole (11)	FEH: 30 years: +0 %: 60 mins: Summer	44.600	43.400	43.511	0.111	28.8	0.125	0.000	28.8	35.996	OK
Manhole (12)	FEH: 30 years: +0 %: 60 mins: Summer	45.500	44.200	44.267	0.067	14.8	0.076	0.000	14.8	18.541	OK
Manhole (13)	FEH: 30 years: +0 %: 60 mins: Summer	46.000	44.800	44.836	0.036	5.5	0.041	0.000	5.5	6.942	OK
Manhole (14)	FEH: 30 years: +0 %: 60 mins: Summer	45.400	43.200	43.272	0.072	10.1	0.081	0.000	10.1	12.682	OK
Manhole (15)	FEH: 30 years: +0 %: 60 mins: Summer	46.800	45.600	45.635	0.035	8.4	0.040	0.000	8.4	10.459	OK
Manhole (16)	FEH: 30 years: +0 %: 60 mins: Summer	46.500	45.190	45.468	0.278	168.8	0.315	0.000	168.8	210.973	OK
Manhole (17)	FEH: 30 years: +0 %: 60 mins: Summer	47.400	45.340	45.618	0.278	157.2	0.314	0.000	157.2	196.358	OK
Manhole (18)	FEH: 30 years: +0 %: 60 mins: Summer	46.950	45.570	45.819	0.249	130.2	0.281	0.000	130.2	162.683	OK
Manhole (19)	FEH: 30 years: +0 %: 60 mins: Summer	47.100	45.740	45.965	0.225	107.7	0.255	0.000	107.7	134.505	OK

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Manhole (20)	FEH: 30 years: +0 %: 60 mins: Summer	47.75 0	46.01 0	46.254	0.244	82.6	0.276	0.000	82.6	103.135	OK
Manhole (21)	FEH: 30 years: +0 %: 60 mins: Summer	48.10 0	46.22 0	46.347	0.127	26.3	0.144	0.000	26.3	32.853	OK
Manhole (22)	FEH: 30 years: +0 %: 60 mins: Summer	49.10 0	47.90 0	47.937	0.037	9.2	0.042	0.000	9.2	11.533	OK
Manhole (23)	FEH: 30 years: +0 %: 60 mins: Summer	48.60 0	47.40 0	47.434	0.034	7.5	0.039	0.000	7.5	9.347	OK
Manhole (24)	FEH: 30 years: +0 %: 60 mins: Summer	48.40 0	47.20 0	47.256	0.056	3.4	0.064	0.000	3.4	4.295	OK
Manhole (25)	FEH: 30 years: +0 %: 60 mins: Summer	48.80 0	47.14 0	47.248	0.108	18.6	0.122	0.000	18.6	23.193	OK
Manhole (26)	FEH: 30 years: +0 %: 60 mins: Summer	49.10 0	46.89 0	46.985	0.095	32.4	0.108	0.000	32.4	40.490	OK
Manhole (27)	FEH: 30 years: +0 %: 60 mins: Summer	47.50 0	46.30 0	46.360	0.060	6.6	0.067	0.000	6.6	8.250	OK
Manhole (28)	FEH: 30 years: +0 %: 60 mins: Summer	47.72 0	47.02 0	47.273	0.253	85.9	0.286	0.000	85.8	199.682	OK
Manhole (29)	FEH: 30 years: +0 %: 60 mins: Summer	48.00 0	47.13 0	47.409	0.279	73.0	0.316	0.000	72.8	183.924	OK
Manhole (30)	FEH: 30 years: +0 %: 60 mins: Summer	48.20 0	47.24 0	47.476	0.236	54.6	0.267	0.000	54.3	161.308	OK
Manhole (31)	FEH: 30 years: +0 %: 60 mins: Summer	48.90 0	47.36 0	47.521	0.161	36.3	0.183	0.000	36.0	138.755	OK
Manhole (32)	FEH: 30 years: +0 %: 480 mins: Winter	50.80 0	47.51 0	48.552	1.042	20.1	1.178	0.000	20.0	810.262	Surcharged
Manhole (33)	FEH: 30 years: +0 %: 480 mins: Winter	49.10 0	47.75 0	48.558	0.808	3.3	0.913	0.000	3.2	36.153	Surcharged
Manhole (34)	FEH: 30 years: +0 %: 120 mins: Winter	49.70 0	48.05 0	48.911	0.861	30.1	0.974	0.000	29.8	294.671	Surcharged
Manhole (35)	FEH: 30 years: +0 %: 60 mins: Summer	51.50 0	50.30 0	50.362	0.062	41.1	0.070	0.000	41.2	51.378	OK
Manhole (36)	FEH: 30 years: +0 %: 60 mins: Summer	52.70 0	51.50 0	51.559	0.059	18.2	0.067	0.000	18.2	22.768	OK
Manhole (37)	FEH: 30 years: +0 %: 60 mins: Summer	49.20 0	48.62 0	48.720	0.100	14.4	0.113	0.000	14.3	58.607	OK
Manhole (38)	FEH: 30 years: +0 %: 360 mins: Winter	50.10 0	48.80 0	49.209	0.409	10.0	0.462	0.000	10.0	273.432	Surcharged
Manhole (39)	FEH: 30 years: +0 %: 360 mins: Winter	50.10 0	48.90 0	49.216	0.316	41.3	0.358	0.000	40.6	353.172	OK
Manhole (40)	FEH: 30 years: +0 %: 60 mins: Summer	50.70 0	49.12 0	49.377	0.257	138.9	0.291	0.000	138.7	173.745	OK
Manhole (41)	FEH: 30 years: +0 %: 60 mins: Summer	50.80 0	49.18 0	49.451	0.271	126.1	0.307	0.000	126.1	157.651	OK
Manhole (42)	FEH: 30 years: +0 %: 60 mins: Summer	51.20 0	50.10 0	50.200	0.100	89.0	0.113	0.000	89.0	111.202	OK
Manhole (43)	FEH: 30 years: +0 %: 60 mins: Summer	54.50 0	53.30 0	53.391	0.091	61.0	0.103	0.000	61.1	76.266	OK
Manhole (44)	FEH: 30 years: +0 %: 60 mins: Summer	55.00 0	53.63 0	53.763	0.133	34.1	0.151	0.000	34.1	42.575	OK

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Manhole (45)	FEH: 30 years: +0 %: 60 mins: Summer	55.00 0	53.80 0	53.878	0.078	11.1	0.088	0.000	11.1	13.858	OK
Manhole (46)	FEH: 30 years: +0 %: 60 mins: Summer	50.80 0	49.25 0	49.468	0.218	37.2	0.246	0.000	37.1	46.451	OK
Manhole (47)	FEH: 30 years: +0 %: 60 mins: Summer	51.20 0	49.57 0	49.642	0.072	9.8	0.081	0.000	9.8	12.291	OK
Manhole (48)	FEH: 30 years: +0 %: 360 mins: Winter	50.30 0	48.90 0	49.216	0.316	7.8	0.358	0.000	7.6	66.201	Surcharged
Manhole (49)	FEH: 30 years: +0 %: 60 mins: Summer	50.60 0	49.30 0	49.381	0.081	35.0	0.091	0.000	35.0	43.772	OK
Manhole (50)	FEH: 30 years: +0 %: 60 mins: Summer	53.40 0	52.20 0	52.246	0.046	13.2	0.052	0.000	13.2	16.535	OK
Manhole (51)	FEH: 30 years: +0 %: 60 mins: Summer	51.00 0	49.80 0	49.857	0.057	11.3	0.065	0.000	11.3	14.129	OK
Manhole (52)	FEH: 30 years: +0 %: 60 mins: Summer	52.10 0	49.02 0	49.610	0.590	245.7	0.667	0.000	245.7	510.217	Surcharged
Manhole (53)	FEH: 30 years: +0 %: 60 mins: Summer	53.15 0	51.90 0	52.065	0.165	388.3	0.186	0.000	388.5	485.182	OK
Manhole (54)	FEH: 30 years: +0 %: 60 mins: Summer	54.20 0	53.00 0	53.171	0.171	159.2	0.193	0.000	159.2	198.930	OK
Manhole (55)	FEH: 30 years: +0 %: 60 mins: Summer	55.60 0	54.40 0	54.568	0.168	144.7	0.190	0.000	144.7	180.850	OK
Manhole (56)	FEH: 30 years: +0 %: 60 mins: Summer	56.30 0	55.10 0	55.318	0.218	113.2	0.246	0.000	113.2	141.372	OK
Manhole (57)	FEH: 30 years: +0 %: 60 mins: Summer	56.50 0	55.30 0	55.505	0.205	113.2	0.232	0.000	113.2	141.387	OK
Manhole (58)	FEH: 30 years: +0 %: 60 mins: Summer	56.80 0	55.60 0	55.811	0.211	113.2	0.239	0.000	113.2	141.390	OK
Manhole (59)	FEH: 30 years: +0 %: 60 mins: Summer	58.20 0	57.55 0	57.643	0.093	74.8	0.105	0.000	74.8	93.461	OK
Manhole (60)	FEH: 30 years: +0 %: 60 mins: Summer	59.10 0	57.81 0	57.958	0.148	40.2	0.167	0.000	40.2	50.187	OK
Manhole (61)	FEH: 30 years: +0 %: 60 mins: Summer	59.50 0	57.98 0	58.077	0.097	20.3	0.109	0.000	20.3	25.372	OK
Manhole (62)	FEH: 30 years: +0 %: 60 mins: Summer	59.20 0	58.20 0	58.253	0.053	5.3	0.059	0.000	5.3	6.569	OK
Manhole (63)	FEH: 30 years: +0 %: 60 mins: Summer	54.25 0	52.98 0	53.192	0.212	198.2	0.239	0.000	198.2	247.618	OK
Manhole (64)	FEH: 30 years: +0 %: 60 mins: Summer	52.10 0	49.15 0	49.694	0.544	22.3	0.616	0.000	21.2	34.980	Surcharged
Manhole (65)	FEH: 30 years: +0 %: 60 mins: Summer	51.40 0	49.32 0	49.696	0.376	22.5	0.426	0.000	17.1	28.505	Surcharged
Manhole (66)	FEH: 30 years: +0 %: 60 mins: Summer	50.70 0	49.50 0	49.697	0.197	9.3	0.223	0.000	9.1	11.653	OK
Manhole (67)	FEH: 30 years: +0 %: 60 mins: Summer	54.30 0	53.06 0	53.349	0.289	181.6	0.327	0.000	181.6	226.848	OK

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Manhole (68)	FEH: 30 years: +0 %: 60 mins: Summer	54.30 0	53.10 0	53.430	0.330	178.4	0.374	0.000	178.4	222.946	OK
Manhole (69)	FEH: 30 years: +0 %: 60 mins: Summer	55.20 0	54.00 0	54.163	0.163	159.1	0.184	0.000	159.1	198.826	OK
Manhole (70)	FEH: 30 years: +0 %: 60 mins: Summer	55.70 0	54.50 0	54.689	0.189	125.9	0.214	0.000	125.9	157.251	OK
Manhole (71)	FEH: 30 years: +0 %: 60 mins: Summer	56.10 0	54.90 0	55.060	0.160	87.0	0.181	0.000	87.0	108.689	OK
Manhole (72)	FEH: 30 years: +0 %: 60 mins: Summer	56.70 0	55.50 0	55.645	0.145	74.9	0.164	0.000	74.9	93.597	OK
Manhole (73)	FEH: 30 years: +0 %: 60 mins: Summer	57.40 0	55.99 0	56.121	0.131	58.3	0.148	0.000	58.3	72.887	OK
Manhole (74)	FEH: 30 years: +0 %: 60 mins: Summer	57.70 0	56.50 0	56.548	0.048	4.8	0.055	0.000	4.8	5.962	OK
Manhole (75)	FEH: 30 years: +0 %: 60 mins: Summer	56.10 0	54.90 0	54.968	0.068	10.9	0.077	0.000	10.9	13.589	OK
Manhole (76)	FEH: 30 years: +0 %: 60 mins: Summer	57.70 0	56.21 0	56.294	0.084	12.7	0.094	0.000	12.7	15.834	OK
Manhole (77)	FEH: 30 years: +0 %: 60 mins: Summer	57.50 0	56.30 0	56.370	0.070	8.2	0.080	0.000	8.2	10.242	OK
Manhole (78)	FEH: 30 years: +0 %: 60 mins: Summer	41.10 0	40.20 0	40.350	0.150	25.1	0.000	0.000	25.1	121.531	OK
Manhole (79)	FEH: 30 years: +0 %: 960 mins: Winter	41.10 0	40.22 0	40.480	0.260	29.5	0.294	0.000	29.5	2370.264	Surcharged
Manhole (80)	FEH: 30 years: +0 %: 960 mins: Winter	42.50 0	41.45 0	41.972	0.522	29.5	0.591	0.000	29.5	2370.715	Surcharged
Manhole (81)	FEH: 30 years: +0 %: 60 mins: Summer	57.60 0	56.83 0	57.000	0.170	38.4	0.193	0.000	38.4	47.934	OK
Manhole (82)	FEH: 30 years: +0 %: 60 mins: Summer	58.50 0	57.03 0	57.110	0.080	11.8	0.090	0.000	11.8	14.680	OK
Manhole (83)	FEH: 30 years: +0 %: 480 mins: Winter	49.20 0	47.83 0	48.584	0.754	27.0	0.853	0.000	26.8	822.858	Surcharged
Manhole (84)	FEH: 30 years: +0 %: 480 mins: Winter	49.80 0	47.68 0	48.563	0.883	26.8	0.999	0.000	26.7	821.684	Surcharged
Manhole (85)	FEH: 30 years: +0 %: 480 mins: Winter	50.50 0	47.57 0	48.556	0.986	16.9	1.115	0.000	16.9	700.719	Surcharged
Manhole (86)	FEH: 30 years: +0 %: 480 mins: Winter	50.20 0	47.62 0	48.558	0.938	3.2	1.060	0.000	3.1	34.792	Surcharged

Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address:		




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

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Pond	FEH: 100 years: +45 %: 1440 mins: Winter	42.252	42.252	0.752	0.752	75.4	1641.462	0.000	0.000	32.3	4547.632	450	31.259
Pond (1)	FEH: 100 years: +45 %: 360 mins: Winter	49.314	49.314	1.154	1.154	157.0	919.709	0.000	0.000	27.9	803.554	299	21.795
Swale	FEH: 100 years: +45 %: 60 mins: Summer	48.658	47.161	0.051	0.161	25.2	3.058	0.000	0.000	25.2	63.441	1	94.751
Swale (1)	FEH: 100 years: +45 %: 60 mins: Summer	47.161	45.226	0.126	0.226	167.3	7.730	0.000	0.000	166.4	316.828	0	86.786
Swale (2)	FEH: 100 years: +45 %: 60 mins: Summer	45.220	43.903	0.217	0.203	468.6	10.964	0.000	0.000	467.4	702.720	0	76.795
Swale (3)	FEH: 100 years: +45 %: 60 mins: Summer	57.566	56.987	0.068	0.187	137.2	6.615	0.000	0.000	128.7	171.487	0	94.524
Swale (4)	FEH: 100 years: +45 %: 60 mins: Summer	56.981	56.968	0.183	0.468	198.2	11.213	0.000	0.000	179.7	259.493	0	72.420
Cellular Storage	FEH: 100 years: +45 %: 360 mins: Winter	49.596	49.596	0.796	0.796	84.3	603.225	0.000	0.000	10.0	311.017	526	0.602
Cellular Storage (1)	FEH: 100 years: +45 %: 240 mins: Winter	49.084	49.084	1.484	1.484	59.8	359.474	0.000	0.000	20.0	347.211	1593	0.257
Cellular Storage (2)	FEH: 100 years: +45 %: 60 mins: Summer	50.271	50.271	1.171	1.171	729.3	400.229	0.000	0.000	363.1	921.289	11	2.928

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	LMoxon			
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company Address:		

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Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address:		




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

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Pond	FEH: 2 years: +0 %: 1440 mins: Winter	41.846	41.846	0.346	0.346	42.7	630.887	0.000	0.000	28.8	1776.070	250	73.580
Pond (1)	FEH: 2 years: +0 %: 120 mins: Winter	48.642	48.642	0.482	0.482	95.3	166.006	0.000	0.000	29.9	296.095	54	85.884
Swale	FEH: 2 years: +0 %: 60 mins: Summer	48.629	47.102	0.022	0.102	5.7	1.339	0.000	0.000	14.8	24.044	1	97.702
Swale (1)	FEH: 2 years: +0 %: 60 mins: Summer	47.102	45.122	0.067	0.122	51.6	3.066	0.000	0.000	48.0	150.807	0	94.759
Swale (2)	FEH: 2 years: +0 %: 60 mins: Summer	45.121	43.786	0.117	0.086	128.1	4.028	0.000	0.000	128.0	249.753	0	91.475
Swale (3)	FEH: 2 years: +0 %: 60 mins: Summer	57.530	56.891	0.033	0.091	35.5	2.407	0.000	0.000	35.5	44.371	1	98.008
Swale (4)	FEH: 2 years: +0 %: 60 mins: Summer	56.889	56.574	0.091	0.074	53.7	1.268	0.000	0.000	53.7	67.108	0	96.880
Cellular Storage	FEH: 2 years: +0 %: 480 mins: Winter	49.037	49.037	0.237	0.237	23.1	179.881	0.000	0.000	7.0	196.763	324	70.360
Cellular Storage (1)	FEH: 2 years: +0 %: 480 mins: Winter	48.304	48.304	0.704	0.704	29.2	210.748	0.000	0.000	27.8	531.306	86	41.524
Cellular Storage (2)	FEH: 2 years: +0 %: 60 mins: Summer	49.395	49.395	0.295	0.295	196.1	100.837	0.000	0.000	123.5	238.434	15	75.543

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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	LMoxon			
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Project:	Date: 22/08/2024		
	Designed by: LMoxon	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	Company Address:		




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

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Pond	FEH: 30 years: +0 %: 960 mins: Winter	41.981	41.981	0.481	0.481	62.7	900.572	0.000	0.000	29.5	2371.018	293	62.286
Pond (1)	FEH: 30 years: +0 %: 120 mins: Winter	48.933	48.933	0.773	0.773	190.4	460.977	0.000	0.000	30.1	295.754	154	60.802
Swale	FEH: 30 years: +0 %: 60 mins: Summer	48.644	47.133	0.037	0.133	14.3	2.159	0.000	0.000	25.3	57.384	1	96.294
Swale (1)	FEH: 30 years: +0 %: 60 mins: Summer	47.133	45.174	0.098	0.174	104.5	5.203	0.000	0.000	99.0	255.411	0	91.105
Swale (2)	FEH: 30 years: +0 %: 60 mins: Summer	45.171	43.840	0.167	0.140	267.8	7.062	0.000	0.000	267.4	465.027	0	85.054
Swale (3)	FEH: 30 years: +0 %: 60 mins: Summer	57.547	56.933	0.049	0.133	74.8	4.141	0.000	0.000	74.8	93.459	1	96.572
Swale (4)	FEH: 30 years: +0 %: 60 mins: Summer	56.930	56.618	0.131	0.118	113.2	2.257	0.000	0.000	113.2	141.391	0	94.448
Cellular Storage	FEH: 30 years: +0 %: 360 mins: Winter	49.216	49.216	0.416	0.416	48.1	315.457	0.000	0.000	10.0	273.669	327	48.020
Cellular Storage (1)	FEH: 30 years: +0 %: 480 mins: Winter	48.558	48.558	0.958	0.958	46.4	286.543	0.000	0.000	16.9	699.921	4929	20.493
Cellular Storage (2)	FEH: 30 years: +0 %: 60 mins: Summer	49.693	49.693	0.593	0.593	409.6	202.742	0.000	0.000	245.7	510.279	15	50.827

Project:	Date: 22/08/2024			
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Appendix L

SuDS Maintenance and Management Schedule

RESIDENTIAL DEVELOPMENT, MORTIMERS LANE, FAIR OAK

SuDS Maintenance and Management Schedule

The proposed development consists of the construction of up to 450 residential drawings, a community hub area, and associated access road, parking, and landscaping.

Piped networks beneath adoptable roads will be offered to the local sewerage undertaker, Southern Water, for adoption as part of the public sewer network. The SuDS drainage treatment train features, including attenuation crates, swales, attenuation basin, and pond, will be held in shared ownership of the site residents and managed by a site management company, who will be responsible for all maintenance works.

All maintenance is to be carried out strictly in accordance with the manufacturer's recommendations.

A summary of typical maintenance activities for the SuDS and on-site drainage network are tabulated below. A full maintenance plan will need to be developed by the operations management team responsible for carrying out the maintenance work, including due regard for the facilities and equipment available to the team and health and safety of operatives.

Drainage Feature	Inspection and Maintenance	Frequency
Geocellular Crate Storage	Remove sediment from pre-treatment structures and/or internal silt traps	Annually, or as required
	Inspect/check all inlets, outlets, vents, and overflows to ensure that they are in good condition and operating as designed	Annually
	Survey inside of tank for sediment build up and remove if necessary	Every 5 years, or as required
	Repair/rehabilitate inlets, outlets, overflows, vents, or tanks	As required
Conventional pipe network	Inspect and remove any sediment, debris and silt from silt traps and catchpit chambers	Regular (monthly or as required)
	Inspect pipework for blockages or root ingress, guttering.	Regular (monthly or as required)
	Clear pipework of blockages	As required
Pond	Cut the grass – public areas	Monthly
	Remove litter and debris	Monthly (or as required)
	Inspect marginal and bankside vegetation and remove nuisance plants	Monthly initially, then regularly for the first 3 years, then as required
	Inspect silt accumulation rates in the forebay and the body of the main pond	Monthly for the first 3 years, then regularly as per established schedule

Drainage Feature	Inspection and Maintenance	Frequency
	and establish appropriate removal frequencies	
	Inspect water body for signs of poor water quality	Monthly (May – October)
	Hand cut submerged and emergent aquatic plants (at minimum of 0.1m above pond base; include max 25% of pond surface)	Annually
	Remove 25% of bank vegetation from water's edge to a minimum of 1m above water level	Annually
	Tidy all dead growth (scrub clearance) before start of growing season	Annually
	Inspect inlets, outlets, banksides, structures, pipework, etc for evidence of blockage and/or physical damage	Monthly
	Repair erosion or other damage	As required
	Repair/rehabilitate inlets, outlets and overflows	As required
Attenuation Basin	Remove litter and debris	Monthly
	Cut grass – for spillways and access routes	Monthly during growing season, otherwise as required
	Cut grass – meadow grass in and around basin	Half yearly (spring – before nesting season – and autumn)
	Manage other vegetation and remove nuisance plants	Monthly initially, then as required
	Inspect inlets, outlets and overflows for blockages, and clear if required	Monthly
	Inspect banksides, structures, pipework etc for evidence of physical damage	Monthly
	Inspect inlets and facility surface for silt accumulation. Establish appropriate silt removal frequencies.	Monthly for first year, then annually or as required
	Tidy all dead growth before start of growing season	Annually
	Remove sediment from inlets, outlet and forebay	Annually or as required
	If areas of poor vegetation growth are observed, reseed	As required

Drainage Feature	Inspection and Maintenance	Frequency
	Remove sediment	Every five years, or as required
	If erosion is observed, repair by reseeding or returfing, and add bank reinforcement if a recurring area of damage is observed	As required
	If damage is observed, repair/rehabilitate inlets, outlets, and overflows	As required
	Relevel uneven surfaces and reinstate design levels	As required
Swales	Remove litter and debris	Monthly, or as required
	Cut grass – to retain to design length	Monthly during growing season, otherwise as required
	Manage other vegetation and remove nuisance plants	Monthly initially, then as required
	Inspect inlets, outlets and overflows for blockages, and clear if required	Monthly
	Inspect vegetation coverage	Monthly for 6 months, quarterly for 2 years, then half yearly
	Inspect inlets and facility surface for silt accumulation, establish appropriate silt removal frequencies	Half yearly
	If bare soil is exposed, reseed areas of poor vegetation growth. If problem recurs, alter plant types to better suit conditions	As required
	If damage occurs, repair erosion or other damage by re-turfing or reseeding. If appropriate, add additional erosion protection	As required
	Relevel uneven surfaces and reinstate design levels	As required
	Remove and dispose of oils and petrol residues using standard safe practices	As required
Flow controls (vortex flow controls* and orifice plates)	Inspect, remove silt, and check free flows	Annually or as required
	Remove litter and wash down	Monthly or as required
	If damage is observed, repair	As required

*Proprietary flow controls to be installed and maintained in accordance with manufacturer's instructions in addition to the general activities described here

Hertfordshire

|

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