Appendix 12-1: LTCP Preferred Alternative Detailed Cost Estimate (GHD)

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BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST FOR PROJECTS NOT STARTED

Last Updated: 4/5/2011

Work Area	Future Cost [1,2,3]	
CSO 013 (300,000 gallons)	$	3,000,000
CSO 014/015 (800,000 gallons)	$	6,700,000
CSO 028/044/047 (2,300,000 gallons)	$	12,200,000
CSO 052 (600,000 gallons)	$	3,900,000
CSO 055 (7,500,000 gallons)	$	18,500,000
CSO 064 (100,000 gallons)	$	2,000,000
Jefferson & Florida (SPP 170B) (2,600,000 gallons)	$	9,500,000
SPP 336 a/b (SPP165A, SPP165B, SPP 336A, SPP336B) (4,200,000 gallons)	$	11,500,000
SPP 337	$	4,000,000
North Relief Sewer	$	36,000,000
Underflow Upsizing	$	500,000
Green Infrastructure	$	62,000,000
Subtotal	*$*	*169,800,000*
Contingency (20%)	$	34,000,000
Probable Construction Cost	*$*	*203,800,000*
Administrative and Legal (5%)	$	10,000,000
Engineering (20%)	$	41,000,000
Total Preferred Alternative Cost	**$**	**254,800,000**
Foundation Alternative Cost (Future Expenses)	*$*	*85,000,000*
Foundation + Preferred Alternative	**$**	**339,800,000**

(1) Year 2012 dollars.

(2) All Costs Rounded.

(3) Planning Level Estimate

GHD CLIENTS | PEOPLE | PERFORMANCE

BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

CSO 013
4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (0.3 MG)							
Land Acquisition	Acres	1	$ 25,000	$ 25,000	$ -	$ -	$ 25,000
Survey & Stake-out	LS	1	$ 27,000	$ 27,000	$ -	$ -	$ 27,000
Site Clearing	SF	4,203	$ 2	$ 8,406	$ -	$ -	$ 8,406
Excavation	CY	7,245	$ 40	$ 289,800	$ -	$ -	$ 289,800
Bedding	CY	223	$ 50	$ 11,150	$ -	$ -	$ 11,150
Concrete	CY	772	$ 1,000	$ 772,000	$ -	$ -	$ 772,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	12,760	$ 15	$ 191,400	$ -	$ -	$ 191,400
Backfill	CY	4,900	$ 10	$ 49,000	$ -	$ -	$ 49,000
Hauling	CY	2,346	$ 10	$ 23,460	$ -	$ -	$ 23,460
Cleaning Equipment	LS	1	$ 90,000	$ 90,000	$ 45,000	$ 45,000	$ 135,000
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Grass Restoration	SY	467	$ 6	$ 2,800	$ -	$ -	$ 2,800
Satellite Storage Conveyance							
Excavation	CY	543	$ 40	$ 21,720	$ -	$ -	$ 21,720
Bedding	CY	82	$ 50	$ 4,100	$ -	$ -	$ 4,100
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	4,888	$ 15	$ 73,320	$ -	$ -	$ 73,320
Backfill	CY	418	$ 10	$ 4,180	$ -	$ -	$ 4,180
Hauling	CY	125	$ 10	$ 1,250	$ -	$ -	$ 1,250
4 ft Concrete Pipe	LF	94	$ 350	$ 32,900	$ -	$ -	$ 32,900
Cut Access into Main Interceptor	EA	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	0	$ 2,500	$ -	$ -	$ -	$ -
Satellite Storage Force Main							
Excavation	CY	233	$ 40	$ 9,320	$ -	$ -	$ 9,320
Bedding	CY	73	$ 50	$ 3,650	$ -	$ -	$ 3,650
Backfill	CY	159	$ 10	$ 1,590	$ -	$ -	$ 1,590
Hauling	CY	74	$ 10	$ 740	$ -	$ -	$ 740
Cut Access into Main Interceptor	EA	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
4" ID pipe	LF	368	$ 10	$ 3,680	$ -	$ -	$ 3,680
Satellite Storage Pump Station							
Pumps	EA	2	$ 15,000	$ 30,000	$ 7,500	$ 15,000	$ 45,000
Pump Station Building	SF	100	$ 200	$ 20,000	$ -	$ -	$ 20,000
Piping in Tank (Including Bends)	LF	100	$ 150	$ 15,000	$ -	$ -	$ 15,000
Check Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Gate Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Wet Well Isolation Gates	EA	2	$ 10,000	$ 20,000	$ 10,000	$ 20,000	$ 40,000
Misc Metals (Grating, Handrail, Monorails, Etc.	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Start-up and testing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
						Subtotal	**$ 2,500,000**
						Electrical, Controls and Instrumentation (15%)	**$ 400,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 100,000**
						Total Probable Construction Cost (Rounded)	**$ 3,000,000**

(1) For items without installation cost, installation cost is included in material price.
(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

CSO 014, 15
4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (0.8 MG)							
Land Acquisition	Acres	1	$ 25,000	$ 25,000	$ -	$ -	$ 25,000
Survey & Stake-out	LS	1	$ 27,000	$ 27,000	$ -	$ -	$ 27,000
Site Clearing	SF	23,053	$ 2	$ 43,800	$ -	$ -	$ 43,800
Excavation	CY	11,179	$ 40	$ 447,160	$ -	$ -	$ 447,160
Bedding	CY	416	$ 50	$ 20,800	$ -	$ -	$ 20,800
Concrete	CY	1,415	$ 1,000	$ 1,415,000	$ -	$ -	$ 1,415,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	15,600	$ 15	$ 234,000	$ -	$ -	$ 234,000
Backfill	CY	5,771	$ 10	$ 57,710	$ -	$ -	$ 57,710
Hauling	CY	1,297	$ 10	$ 12,970	$ -	$ -	$ 12,970
Cleaning Equipment	LS	1	$ 90,000	$ 90,000	$ 40,500	$ 40,500	$ 130,500
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Pavement Restoration	SF	23,053	$ 10	$ 230,525	$ -	$ -	$ 230,525
Satellite Storage Conveyance 1							
Excavation	CY	8,664	$ 40	$ 346,560	$ -	$ -	$ 346,560
Bedding	CY	1,151	$ 50	$ 57,550	$ -	$ -	$ 57,550
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	71,980	$ 15	$ 1,079,700	$ -	$ -	$ 1,079,700
Backfill	CY	6,818	$ 10	$ 68,180	$ -	$ -	$ 68,180
Hauling	CY	1,846	$ 10	$ 18,460	$ -	$ -	$ 18,460
4.5 ft Concrete Pipe	LF	1,180	$ 200	$ 236,000	$ -	$ -	$ 236,000
Cut Access into Main Interceptor	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	5	$ 2,500	$ 11,800	$ -	$ -	$ 11,800
Satellite Storage Conveyance 2							
Excavation	CY	306	$ 40	$ 12,240	$ -	$ -	$ 12,240
Bedding	CY	39	$ 50	$ 1,950	$ -	$ -	$ 1,950
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	3,009	$ 15	$ 45,135	$ -	$ -	$ 45,135
Backfill	CY	249	$ 10	$ 2,490	$ -	$ -	$ 2,490
Hauling	CY	57	$ 10	$ 570	$ -	$ -	$ 570
3.5 ft Concrete Pipe	LF	51	$ 200	$ 10,200	$ -	$ -	$ 10,200
Cut Access into Main Interceptor	EA	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	0	$ 2,500	$ -	$ -	$ -	$ -
Satellite Storage Force Main							
Excavation	CY	400	$ 40	$ 16,000	$ -	$ -	$ 16,000
Bedding	CY	132	$ 50	$ 6,600	$ -	$ -	$ 6,600
Backfill	CY	261	$ 10	$ 2,610	$ -	$ -	$ 2,610
Hauling	CY	139	$ 10	$ 1,390	$ -	$ -	$ 1,390
Cut Access into Main Interceptor	EA	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
8" ID Pipe	LF	528	$ 30	$ 15,840	$ -	$ -	$ 15,840
Satellite Storage Pump Station							
Pumps	EA	2	$ 20,000	$ 40,000	$ 10,000	$ 20,000	$ 60,000
Pump Station Building	SF	100	$ 200	$ 20,000	$ -	$ -	$ 20,000
Piping in Tank (Including Bends)	LF	100	$ 150	$ 15,000	$ -	$ -	$ 15,000
Check Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Gate Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Wet Well Isolation Gates	EA	2	$ 10,000	$ 20,000	$ 10,000	$ 20,000	$ 40,000
Misc Metals (Grating, Handrail, Monorails, Etc.)	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Start-up and testing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
						Subtotal	**$ 5,600,000**
						Electrical, Controls and Instrumentation (15%)	**$ 800,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 300,000**
						Total Probable Construction Cost (Rounded)	**$ 6,700,000**

(1) For items without installation cost, installation cost is included in material price.
(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN
PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

CSO 028/044/047
4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (2.3 MG)							
Land Acquisition	Acres	2	$ 25,000	$ 50,000	$ -	$ -	$ 50,000
Survey & Stake-out	LS	1	$ 27,000	$ 27,000	$ -	$ -	$ 27,000
Site Clearing	SF	29,620	$ 2	$ 56,277	$ -	$ -	$ 56,277
Excavation	CY	12,159	$ 40	$ 486,360	$ -	$ -	$ 486,360
Bedding	CY	2,339	$ 50	$ 116,950	$ -	$ -	$ 116,950
Concrete	CY	2,799	$ 1,000	$ 2,799,000	$ -	$ -	$ 2,799,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	28,080	$ 15	$ 421,200	$ -	$ -	$ 421,200
Hauling	CY	14,280	$ 10	$ 142,800	$ -	$ -	$ 142,800
Backfill	CY	12,097	$ 10	$ 120,970	$ -	$ -	$ 120,970
Cleaning Equipment	LS	1	$ 90,000	$ 90,000	$ 45,000	$ 45,000	$ 135,000
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Grass Restoration	SY	194	$ 6	$ 1,161	$ -	$ -	$ 1,161
Pavement Restoration	SF	11,311	$ 10	$ 113,105	$ -	$ -	$ 113,105
Satellite Storage Conveyance 1							
Site Clearing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
Excavation	CY	12,159	$ 40	$ 486,360	$ -	$ -	$ 486,360
Bedding	CY	2,339	$ 50	$ 116,950	$ -	$ -	$ 116,950
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 100,000	$ 100,000	$ 100,000
Sheeting/Bracing	CY	119,379	$ 15	$ 1,790,685	$ -	$ -	$ 1,790,685
Backfill	CY	8,730	$ 10	$ 87,300	$ -	$ -	$ 87,300
Hauling	CY	3,429	$ 10	$ 34,290	$ -	$ -	
3.5' RCP Pipe	LF	3,061	$ 200	$ 612,200	$ -	$ -	$ 612,200
Cut Access into Main Interceptor	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	12	$ 2,500	$ 30,610	$ -	$ -	$ 30,610
Satellite Storage Conveyance 2							
Site Clearing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
Excavation	CY	1,898	$ 40	$ 75,920	$ -	$ -	$ 75,920
Bedding	CY	388	$ 50	$ 19,400	$ -	$ -	$ 19,400
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 100,000	$ 100,000	$ 100,000
Sheeting/Bracing	CY	12,060	$ 15	$ 180,900	$ -	$ -	$ 180,900
Backfill	LF	1,181	$ 10	$ 11,810	$ -	$ -	$ 11,810
Hauling	CY	717	$ 10	$ 7,170	$ -	$ -	$ 7,170
6.5' RCP Pipe	LF	268	$ 600	$ 160,800	$ -	$ -	$ 160,800
Cut Access into Main Interceptor	EA	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Mahnoles	EA	5	$ 2,500	$ 12,500	$ -	$ -	$ 12,500
Force Main							
Site Clearing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
Excavation	CY	531	$ 40	$ 21,240	$ -	$ -	$ 21,240
Bedding	CY	182	$ 50	$ 9,100	$ -	$ -	$ 9,100
Hauling	CY	199	$ 10	$ 1,990	$ -	$ -	$ 1,990
Backfill	CY	332	$ 10	$ 3,320	$ -	$ -	$ 3,320
Cut Access into Main Interceptor	EA	1	$ 12,500	$ 12,500	$ -	$ -	$ 12,500
12 in ID Pipe	LF	597	$ 30	$ 17,910	$ -	$ -	$ 17,910
Satellite Storage Pumping							
Pumps	EA	2	$ 40,000	$ 80,000	$ 20,000	$ 40,000	$ 120,000
Pump Station Building	SF	100	$ 200	$ 20,000	$ -	$ -	$ 20,000
Piping in Tank (inc. Bends)	LF	50	$ 150	$ 7,500	$ -	$ -	$ 7,500
Check Valves	EA	2	$ 25,000	$ 50,000	$ 10,000	$ 20,000	$ 70,000
Gate Valves	EA	2	$ 25,000	$ 50,000	$ 10,000	$ 20,000	$ 70,000
Wet Well Isolation Gates	EA	2	$ 50,000	$ 100,000	$ 10,000	$ 20,000	$ 120,000
Misc Metals (Grating, Handrail, Monorails, Etc	LS	1	$ 750,000	$ 750,000	$ -	$ -	$ 750,000
Start-up and testing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
						Subtotal	**$ 10,100,000**
						Electrical, Controls and Instrumentation (15%)	**$ 1,500,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 600,000**
						Total Probable Construction Cost (Rounded)	**$ 12,200,000**

(1) For items without installation cost, installation cost is included in material price.
(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

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BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN
PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

CSO 052
4/5/2012

Description	Material				Installation (1)		Total Cost (2)
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (0.6 MG)							
Land Acquisition	Acres	1	$ 25,000	$ 25,000	$ -	$ -	$ 25,000
Survey & Stake-out	LS	1	$ 27,000	$ 27,000	$ -	$ -	$ 27,000
Site Clearing	SF	4,708	$ 2	$ 9,416	$ -	$ -	$ 9,416
Excavation	CY	8,953	$ 40	$ 358,120	$ -	$ -	$ 358,120
Bedding	CY	312	$ 50	$ 15,600	$ -	$ -	$ 15,600
Concrete	CY	1,149	$ 1,000	$ 1,149,000	$ -	$ -	$ 1,149,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	13,940	$ 15	$ 209,100	$ -	$ -	$ 209,100
Backfill	CY	4,737	$ 10	$ 47,370	$ -	$ -	$ 47,370
Hauling	CY	4,216	$ 10	$ 42,160	$ -	$ -	$ 42,160
Cleaning Equipment	LS	1	$ 90,000	$ 90,000	$ 45,000	$ 45,000	$ 135,000
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Pavement Restoration	SF	49	$ 10	$ 489	$ -	$ -	$ 489
Grass Restoration	SY	668	$ 6	$ 4,008	$ -	$ -	$ 4,008
Satellite Storage Conveyance							
Excavation	CY	601	$ 40	$ 24,040	$ -	$ -	$ 24,040
Bedding	CY	100	$ 50	$ 5,000	$ -	$ -	$ 5,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	7,216	$ 15	$ 108,240	$ -	$ -	$ 108,240
Backfill	CY	469	$ 10	$ 4,690	$ -	$ -	$ 4,690
Hauling	CY	132	$ 10	$ 1,320	$ -	$ -	$ 1,320
2.5 ft Concrete Pipe	LF	176	$ 250	$ 44,000	$ -	$ -	$ 44,000
Cut Access into Main Interceptor	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	0	$ 2,500	$ -	$ -	$ -	$ -
Satellite Storage Force Main							
Excavation	CY	928	$ 40	$ 37,120	$ -	$ -	$ 37,120
Bedding	CY	300	$ 50	$ 15,000	$ -	$ -	$ 15,000
Backfill	CY	619	$ 10	$ 6,190	$ -	$ -	$ 6,190
Hauling	CY	309	$ 10	$ 3,090	$ -	$ -	$ 3,090
Cut Access into Main Interceptor	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
6" ID Pipe	LF	1,336	$ 15	$ 20,040	$ -	$ -	$ 20,040
Satellite Storage Pump Station							
Pumps	EA	2	$ 20,000	$ 40,000	$ 10,000	$ 20,000	$ 60,000
Pump Station Building	SF	100	$ 200	$ 20,000	$ -	$ -	$ 20,000
Piping in Tank (Including Bends)	LF	350	$ 150	$ 52,500	$ -	$ -	$ 52,500
Check Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Gate Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Wet Well Isolation Gates	EA	2	$ 10,000	$ 20,000	$ 10,000	$ 20,000	$ 40,000
Misc Metals (Grating, Handrail, Monorails, Etc.)	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Start-up and testing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
						Subtotal	**$ 3,200,000**
						Electrical, Controls and Instrumentation (15%)	**$ 500,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 200,000**
						Total Probable Construction Cost (Rounded)	**$ 3,900,000**

(1) For items without installation cost, installation cost is included in material price.

(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

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BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN
PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

CSO 055
4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (7.5 MG)							
Land Acquisition	Acres	3	$ 25,000	$ 75,000	$ -	$ -	$ 75,000
Site Clearing	SF	20,867	$ 2	$ 41,733	$ -	$ -	$ 41,733
Survey & Stake-out	LS	1	$ 27,000	$ 27,000	$ -	$ -	$ 27,000
Excavation	CY	89,148	$ 40	$ 3,565,920	$ -	$ -	$ 3,565,920
Bedding	CY	3,112	$ 50	$ 155,600	$ -	$ -	$ 155,600
Concrete	CY	8,091	$ 1,000	$ 8,091,000	$ -	$ -	$ 8,091,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	53,040	$ 15	$ 795,600	$ -	$ -	$ 795,600
Backfill	CY	44,020	$ 10	$ 440,200	$ -	$ -	$ 440,200
Hauling	CY	45,128	$ 10	$ 451,280	$ -	$ -	$ 451,280
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Pavement Restoration	SF	23,200	$ 10	$ 232,000	$ -	$ -	$ 232,000
Cleaning Equipment	LS	1	$ 135,000	$ 135,000	$ 67,500	$ 67,500	$ 202,500
Start-up and testing	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Grass Restoration	SY	2,319	$ 6	$ 13,911	$ -	$ -	$ 13,911
Satellite Storage Conveyance							
Excavation	CY	800	$ 40	$ 32,000	$ -	$ -	$ 32,000
Bedding	CY	132	$ 50	$ 6,600	$ -	$ -	$ 6,600
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	5,400	$ 15	$ 81,000	$ -	$ -	$ 81,000
Backfill	CY	563	$ 10	$ 5,630	$ -	$ -	$ 5,630
Hauling	CY	237	$ 10	$ 2,370	$ -	$ -	$ 2,370
6 ft Concrete Pipe	LF	100	$ 500	$ 50,000	$ -	$ -	$ 50,000
Cut Access into Main Interceptor	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	0	$ 2,500	$ -	$ -	$ -	$ -
Satellite Storage Force Main							
Excavation	CY	471	$ 40	$ 18,840	$ -	$ -	$ 18,840
Bedding	CY	167	$ 50	$ 8,350	$ -	$ -	$ 8,350
Backfill	CY	272	$ 10	$ 2,720	$ -	$ -	$ 2,720
Hauling	CY	199	$ 10	$ 1,990	$ -	$ -	$ 1,990
Cut Access into Main Interceptor	LS	1	$ 15,000	$ 15,000	$ -	$ -	$ 15,000
20" ID Pipe	LF	400	$ 50	$ 20,000	$ -	$ -	$ 20,000
Satellite Storage Pump Station							
Pumps	EA	2	$ 80,000	$ 160,000	$ 40,000	$ 80,000	$ 240,000
Pump Station Building	SF	100	$ 200	$ 20,000	$ -	$ -	$ 20,000
Piping in Tank (Including Bends)	LF	75	$ 150	$ 11,250	$ -	$ -	$ 11,250
Check Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Gate Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Wet Well Isolation Gates	EA	2	$ 10,000	$ 20,000	$ 10,000	$ 20,000	$ 40,000
Misc Metals (Grating, Handrail, Monorails, Etc	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Start-up and testing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
						Subtotal	**$ 15,400,000**
						Electrical, Controls and Instrumentation (15%)	**$ 2,300,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 900,000**
						Total Probable Construction Cost (Rounded)	**$ 18,600,000**

(1) For items without installation cost, installation cost is included in material price.
(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

CLIENTS | PEOPLE | PERFORMANCE

BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN
PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

CSO 064
4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (0.1 MG)							
Land Acquisition	Acres	1	$ 25,000	$ 25,000	$ -	$ -	$ 25,000
Survey & Stake-out	LS	1	$ 27,000	$ 27,000	$ -	$ -	$ 27,000
Site Clearing	SF	1,910	$ 2	$ 3,820	$ -	$ -	$ 3,820
Excavation	CY	2,861	$ 40	$ 114,440	$ -	$ -	$ 114,440
Bedding	CY	90	$ 50	$ 4,500	$ -	$ -	$ 4,500
Concrete	CY	356	$ 1,000	$ 356,000	$ -	$ -	$ 356,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	6,840	$ 15	$ 102,600	$ -	$ -	$ 102,600
Backfill	CY	2,006	$ 10	$ 20,060	$ -	$ -	$ 20,060
Hauling	CY	856	$ 10	$ 8,560	$ -	$ -	$ 8,560
Cleaning Equipment	LS	1	$ 45,000	$ 45,000	$ 22,500	$ 22,500	$ 67,500
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Pavement Restoration	SF	1,010	$ 10	$ 10,100	$ -	$ -	$ 10,100
Grass Restoration	SY	100	$ 6	$ 600	$ -	$ -	$ 600
Satellite Storage Conveyance							
Excavation	CY	238	$ 40	$ 9,520	$ -	$ -	$ 9,520
Bedding	CY	46	$ 50	$ 2,300	$ -	$ -	$ 2,300
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	2,340	$ 15	$ 35,100	$ -	$ -	$ 35,100
Backfill	CY	171	$ 10	$ 1,710	$ -	$ -	$ 1,710
Hauling	CY	67	$ 10	$ 670	$ -	$ -	$ 670
4.5 ft Concrete Pipe	LF	60	$ 200	$ 12,000	$ -	$ -	$ 12,000
Cut Access into Main Interceptor	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	0	$ 2,500	$ -	$ -	$ -	$ -
Satellite Storage Force Main							
Excavation	CY	2,133	$ 40	$ 85,320	$ -	$ -	$ 85,320
Bedding	CY	730	$ 50	$ 36,500	$ -	$ -	$ 36,500
Backfill	CY	1,333	$ 10	$ 13,330	$ -	$ -	$ 13,330
Hauling	CY	800	$ 10	$ 8,000	$ -	$ -	$ 8,000
Cut Access into Main Interceptor	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
4" ID Pipe	LF	2,400	$ 15	$ 36,000	$ -	$ -	$ 36,000
Satellite Storage Pump Station							
Pumps	EA	2	$ 15,000	$ 30,000	$ 7,500	$ 15,000	$ 45,000
Pump Station Building	SF	100	$ 200	$ 20,000	$ -	$ -	$ 20,000
Piping in Tank (Including Bends)	LF	75	$ 150	$ 11,250	$ -	$ -	$ 11,250
Check Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Gate Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Wet Well Isolation Gates	EA	2	$ 10,000	$ 20,000	$ 10,000	$ 20,000	$ 40,000
Misc Metals (Grating, Handrail, Monorails, Etc.)	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Start-up and testing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
						Subtotal	**$ 1,800,000**
						Electrical, Controls and Instrumentation (15%)	**$ 300,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 100,000**
						Total Probable Construction Cost (Rounded)	**$ 2,200,000**

(1) For items without installation cost, installation cost is included in material price.
(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

GHD CLIENTS | PEOPLE | PERFORMANCE

BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN
PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

Jefferson and Florida
4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (2.6 MG)							
Land Acquisition	Acres	1	$ 25,000	$ 25,000	$ -	$ -	$ 25,000
Survey & Stake-out	LS	1	$ 27,000	$ 27,000	$ -	$ -	$ 27,000
Site Clearing	SF	15,410	$ 2	$ 30,820	$ -	$ -	$ 30,820
Excavation	CY	27,646	$ 40	$ 1,105,840	$ -	$ -	$ 1,105,840
Bedding	CY	816	$ 50	$ 40,800	$ -	$ -	$ 40,800
Concrete	CY	2,949	$ 1,000	$ 2,949,000	$ -	$ -	$ 2,949,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	48,060	$ 15	$ 720,900	$ -	$ -	$ 720,900
Backfill	CY	11,734	$ 10	$ 117,340	$ -	$ -	$ 117,340
Hauling	CY	15,912	$ 10	$ 159,120	$ -	$ -	$ 159,120
Cleaning Equipment	LS	1	$ 95,000	$ 95,000	$ 47,500	$ 47,500	$ 142,500
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Pavement Restoration	SF	15,410	$ 10	$ 154,100	$ -	$ -	$ 154,100
Satellite Storage Conveyance							
Excavation	CY	5,103	$ 40	$ 204,120	$ -	$ -	$ 204,120
Bedding	CY	1,127	$ 50	$ 56,350	$ -	$ -	$ 56,350
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	39,368	$ 15	$ 590,520	$ -	$ -	$ 590,520
Backfill	CY	3,223	$ 10	$ 32,230	$ -	$ -	$ 32,230
Hauling	CY	1,880	$ 10	$ 18,800	$ -	$ -	$ 18,800
5 ft Concrete Pipe	LF	1,036	$ 250	$ 259,000	$ -	$ -	$ 259,000
Cut Access into Main Interceptor	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	4	$ 2,500	$ 10,360	$ -	$ -	$ 10,360
Satellite Storage Dewatering							
Excavation	CY	1,407	$ 40	$ 56,280	$ -	$ -	$ 56,280
Bedding	CY	76	$ 50	$ 3,800	$ -	$ -	$ 3,800
Sheeting/Bracing	SF	23,997	$ 15	$ 359,955	$ -	$ -	$ 359,955
Backfill	CY	1,322	$ 10	$ 13,220	$ -	$ -	$ 13,220
Hauling	CY	85	$ 10	$ 850	$ -	$ -	$ 850
Cut Access into Main Interceptor	LS	1	$ 12,500	$ 12,500	$ -	$ -	$ 12,500
12" ID Pipe	LF	230	$ 35	$ 8,050	$ -	$ -	$ 8,050
Satellite Storage Monitoring							
Wet Well Isolation Gates	EA	2	$ 10,000	$ 20,000	$ 10,000	$ 20,000	$ 40,000
Misc Metals (Grating, Handrail, Monorails, Etc.	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
						Subtotal	**$ 7,800,000**
						Electrical, Controls and Instrumentation (15%)	**$ 1,200,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 500,000**
						Total Probable Construction Cost (Rounded)	**$ 9,500,000**

(1) For items without installation cost, installation cost is included in material price.

(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

CLIENTS | PEOPLE | PERFORMANCE

BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN
PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

SPP 336 a&b
4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (4.2 MG)							
Land Acquisition	Acres	2	$ 25,000	$ 50,000	$ -	$ -	$ 50,000
Site Clearing	SF	26,017	$ 2	$ 52,033	$ -	$ -	$ 52,033
Excavation	CY	47,301	$ 40	$ 1,892,040	$ -	$ -	$ 1,892,040
Bedding	CY	1,349	$ 50	$ 67,450	$ -	$ -	$ 67,450
Concrete	CY	4,307	$ 1,000	$ 4,307,000	$ -	$ -	$ 4,307,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	40,710	$ 15	$ 610,650	$ -	$ -	$ 610,650
Backfill	CY	22,338	$ 10	$ 223,380	$ -	$ -	$ 223,380
Hauling	CY	24,963	$ 10	$ 249,630	$ -	$ -	$ 249,630
Cleaning Equipment	LS	1	$ 95,000	$ 95,000	$ 47,500	$ 47,500	$ 142,500
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Pavement Restoration	SF	9,000	$ 10	$ 90,000	$ -	$ -	$ 90,000
Grass Restoration	SY	1,891	$ 6	$ 11,344	$ -	$ -	$ 11,344
Satellite Storage Conveyance							
Excavation	CY	9,800	$ 40	$ 392,000	$ -	$ -	$ 392,000
Bedding	CY	1,958	$ 50	$ 97,900	$ -	$ -	$ 97,900
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	75,600	$ 15	$ 1,134,000	$ -	$ -	$ 1,134,000
Backfill	CY	6,533	$ 20	$ 130,660	$ -	$ -	$ 130,660
Hauling	CY	3,267	$ 10	$ 32,670	$ -	$ -	$ 32,670
5 ft Concrete Pipe	LF	1,800	$ 500	$ 900,000	$ -	$ -	$ 900,000
Cut Access into Main Interceptor	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	7	$ 2,500	$ 18,000	$ -	$ -	$ 18,000
Satellite Storage Force Main							
Excavation	CY	96	$ 40	$ 3,840	$ -	$ -	$ 3,840
Bedding	CY	33	$ 50	$ 1,650	$ -	$ -	$ 1,650
Backfill	CY	59	$ 10	$ 590	$ -	$ -	$ 590
Hauling	CY	37	$ 10	$ 370	$ -	$ -	$ 370
Cut Access into Main Interceptor	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
4" ID Pipe	LF	100	$ 15	$ 1,500	$ -	$ -	$ 1,500
Satellite Storage Pump Station							
Pumps	EA	2	$ 40,000	$ 80,000	$ 20,000	$ 40,000	$ 120,000
Pump Station Building	SF	100	$ 200	$ 20,000	$ -	$ -	$ 20,000
Piping in Tank (Including Bends)	LF	250	$ 150	$ 37,500	$ -	$ -	$ 37,500
Check Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Gate Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Wet Well Isolation Gates	EA	2	$ 10,000	$ 20,000	$ 10,000	$ 20,000	$ 40,000
Misc Metals (Grating, Handrail, Monorails, Etc.	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Start-up and testing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
						Subtotal	**$ 11,400,000**
						Electrical, Controls and Instrumentation (15%)	**$ 1,700,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 700,000**
						Total Probable Construction Cost (Rounded)	**$ 13,800,000**

(1) For items without installation cost, installation cost is included in material price.
(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

GHD CLIENTS | PEOPLE | PERFORMANCE

BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN
PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

SPP 337
4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (0.7 MG)							
Land Acquisition	Acres	1	$ 25,000	$ 25,000	$ -	$ -	$ 25,000
Site Clearing	SF	3,786	$ 2	$ 7,571	$ -	$ -	$ 7,571
Excavation	CY	11,574	$ 40	$ 462,960	$ -	$ -	$ 462,960
Bedding	CY	312	$ 50	$ 15,600	$ -	$ -	$ 15,600
Concrete	CY	1,218	$ 1,000	$ 1,218,000	$ -	$ -	$ 1,218,000
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 500,000	$ 500,000	$ 500,000
Sheeting/Bracing	SF	18,020	$ 15	$ 270,300	$ -	$ -	$ 270,300
Backfill	CY	6,889	$ 10	$ 68,890	$ -	$ -	$ 68,890
Hauling	CY	4,684	$ 10	$ 46,840	$ -	$ -	$ 46,840
Cleaning Equipment	LS	1	$ 45,000	$ 45,000	$ 22,500	$ 22,500	$ 67,500
Access Manholes	EA	3	$ 2,500	$ 7,500	$ -	$ -	$ 7,500
Grass Restoration	SY	3,786	$ 6	$ 22,713	$ -	$ -	$ 22,713
Satellite Storage Conveyance							
Excavation	CY	179	$ 40	$ 7,160	$ -	$ -	$ 7,160
Bedding	CY	27	$ 50	$ 1,350	$ -	$ -	$ 1,350
Site Dewatering and Erosion Control	LS	1	$ -	$ -	$ 50,000	$ 50,000	$ 50,000
Sheeting/Bracing	SF	1,484	$ 15	$ 22,260	$ -	$ -	$ 22,260
Backfill	CY	135	$ 10	$ 1,350	$ -	$ -	$ 1,350
Hauling	CY	44	$ 10	$ 440	$ -	$ -	$ 440
4.5 ft Concrete Pipe	LF	28	$ 250	$ 7,000	$ -	$ -	$ 7,000
Cut Access into Main Interceptor	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Manholes	EA	0	$ 2,500	$ -	$ -	$ -	$ -
Satellite Storage Force Main							
Excavation	CY	83	$ 40	$ 3,320	$ -	$ -	$ 3,320
Bedding	CY	27	$ 50	$ 1,350	$ -	$ -	$ 1,350
Backfill	CY	55	$ 10	$ 550	$ -	$ -	$ 550
Hauling	CY	28	$ 10	$ 280	$ -	$ -	$ 280
Cut Access into Main Interceptor	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
6" ID Pipe	LF	119	$ 30	$ 3,570	$ -	$ -	$ 3,570
Satellite Storage Pump Station							
Pumps	EA	2	$ 15,000	$ 30,000	$ 7,500	$ 15,000	$ 45,000
Pump Station Building	SF	100	$ 200	$ 20,000	$ -	$ -	$ 20,000
Piping in Tank (Including Bends)	LF	75	$ 150	$ 11,250	$ -	$ -	$ 11,250
Check Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Gate Valves	EA	2	$ 5,000	$ 10,000	$ 10,000	$ 20,000	$ 30,000
Wet Well Isolation Gates	EA	2	$ 10,000	$ 20,000	$ 10,000	$ 20,000	$ 40,000
Misc Metals (Grating, Handrail, Monorails, Etc.)	LS	1	$ 50,000	$ 50,000	$ -	$ -	$ 50,000
Start-up and testing	LS	1	$ 10,000	$ 10,000	$ -	$ -	$ 10,000
						Subtotal	**$ 3,100,000**
						Electrical, Controls and Instrumentation (15%)	**$ 500,000**
						General Conditions, Bonds & Insurance (5% of Subtotal)	**$ 200,000**
						Total Probable Construction Cost (Rounded)	**$ 3,800,000**

(1) For items without installation cost, installation cost is included in material price.

(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

GHD CLIENTS | PEOPLE | PERFORMANCE

BUFFALO SEWER AUTHORITY LONG TERM CONTROL PLAN PREFERRED ALTERNATIVE
ENGINEER'S OPINION OF PROBABLE PROJECT COST

Northern Interceptor Improvements

4/5/2012

Description	Material				Installation [1]		Total Cost [2]
	Basis	No. Units	Per Unit	Subtotal	Per Unit	Subtotal	
Satellite Storage (2.6 MG)							
TBM Excavation	LS	1	$ 3,790,000	$ 3,790,000	$ -	$ -	$ 3,790,000
Shafts	EA	4	$ 1,262,500	$ 5,050,000	$ -	$ -	$ 5,050,000
TBM Concrete Lining	LF	6,000	$ 1,250	$ 7,500,000	$ -	$ -	$ 7,500,000
Site Setup	LS	1	$ 5,025,000	$ 5,025,000	$ -	$ -	$ 5,025,000
						Subtotal	**$ 21,400,000**
						Indirect Cost (40%)	**$ 8,600,000**
						OH&P (20%)	**$ 6,000,000**
						Total Probable Construction Cost (Rounded)	**$ 36,000,000**

(1) For items without installation cost, installation cost is included in material price.

(2) Year 2012 dollars. Does not include engineering, administrative, and legal costs or contingency.

(3) Costs provided by Kiewet Construction

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Appendix 12-2: CSO Statistics & LTI Water Quality Memo Preferred Alternative

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Preferred Alternative Overflow Volume Results for Each CSO

CSO Outfall	District	Receiving Water	2004 Existing Conditions (CSO Only - Excluding Storm & Creek Flow) Overflow Volume (MG)	Revised Baseline 1993 Modified (CSO Only - Excluding Storm & Creek Flow) Overflow Volume (MG)	Preferred Alternative 1993 Modified (CSO Only - Excluding Storm & Creek Flow) Overflow Volume (MG)
004	Scajaquada	Black Rock Canal	16.2	11.2	9.2
005	Scajaquada	Black Rock Canal	0.1	0.1	0.1
006	Scajaquada	Black Rock Canal	201.4	198.9	18.1
008	Scajaquada	Black Rock Canal	8.2	6.1	0.0
010	Scajaquada	Black Rock Canal	11.8	11.9	0.0
012	Albany	Black Rock Canal	52.0	52.5	0.9
013	South Central	Black Rock Canal	13.6	6.8	3.4
061	Scajaquada	Black Rock Canal	33.8	31.2	1.1
063	South Central	Black Rock Canal	1.5	0.6	0.3
017	South Central	Buffalo River	101.6	71.3	41.4
022	South Central	Buffalo River	42.7	29.8	1.7
025	South Central	Buffalo River	1.4	1.4	1.2
026	South Central	Buffalo River	146.5	124.2	27.0
027	South Central	Buffalo River	19.4	31.7	37.6
028	South Central	Buffalo River	44.4	45.5	20.6
029	South Central	Buffalo River	0.0	0.0	0.0
032	South Central	Buffalo River	0.0	0.0	0.0
033	South Central	Buffalo River	35.7	37.8	35.2
034	South Central	Buffalo River	0.1	Closed	Closed
049	South Central	Buffalo River	0.0	0.0	0.0
050	South Central	Buffalo River	4.1	3.2	2.5
051	South Central	Buffalo River	3.7	1.2	1.0
052	South Central	Buffalo River	13.6	10.9	6.2
064	South Central	Buffalo River	27.2	21.1	6.1
066	South Central	Buffalo River	2.5	1.7	0.5
035	South Central	Cazenovia Creek - B	4.8	0.0	0.0
037	South Central	Cazenovia Creek - C	21.2	23.3	11.8
039	South Central	Cazenovia Creek - C	0.0	0.0	0.0
044	South Central	Cazenovia Creek - C	6.5	2.3	0.7
046	South Central	Cazenovia Creek - C	1.1	1.3	1.2
047	South Central	Cazenovia Creek - C	10.4	8.7	1.3
048	South Central	Cazenovia Creek - C	1.5	0.0	0.0
055	Hertel	Cornelius Creek	613.6	601.1	196.3
014	South Central	Erie Basin	25.9	4.2	2.8
015	South Central	Erie Basin	5.7	6.1	0.4
016	South Central	Erie Basin	0.0	0.0	0.0
003	Parish	Niagara River	4.5	0.1	0.7
011	Albany	Niagara River	125.7	134.3	10.9
054	Ontario	Niagara River	0.1	0.0	0.0
053	Scajaquada	Scajaquada Creek	275.0	268.0	44.5
056	Hertel	Scajaquada Creek	0.0	0.0	0.0
057	Parish	Scajaquada Creek	0.3	0.0	0.0
058	Parish	Scajaquada Creek	0.0	0.0	0.0
059	Scajaquada	Scajaquada Creek	5.1	0.0	0.0
060	Scajaquada	Scajaquada Creek	2.9	0.7	0.5
Totals			1,886.1	1,749.1	485.1
Total CSO Combined Only Volume by District (MG)	Albany		177.7	186.8	11.8
	Hertel		613.7	601.1	196.3
	Ontario		0.1	0.0	0.0
	Parish		4.7	0.1	0.7
	Scajaquada		554.7	528.1	73.4
	South Central		535.2	433.0	202.9
Total CSO Combined Only Volume by Receiving Water (MG)		Black Rock Canal	338.7	319.3	33.1
		Buffalo River	442.9	379.7	180.9
		Cazenovia Creek - B	4.8	0.0	0.0
		Cazenovia Creek - C	40.7	35.6	15.0
		Cornelius Creek	613.6	601.1	196.3
		Erie Basin	31.6	10.3	3.2
		Niagara River	130.2	134.4	11.6
		Scajaquada Creek	283.4	268.7	45.0

Preferred Alternative Overflow Frequency Results for Each CSO

CSO Outfall	District	Receiving Water	2004 Existing Conditions (CSO Only - Excluding Storm & Creek Flow) Overflow Frequency	Revised Baseline	Preferred Alternative
004	Scajaquada	Black Rock Canal	7	5	4
005	Scajaquada	Black Rock Canal	0	4	4
006	Scajaquada	Black Rock Canal	65	65	4
008	Scajaquada	Black Rock Canal	42	39	0
010	Scajaquada	Black Rock Canal	44	44	1
012	Albany	Black Rock Canal	42	42	2
013	South Central	Black Rock Canal	14	7	4
061	Scajaquada	Black Rock Canal	10	10	2
063	South Central	Black Rock Canal	50	13	4
017	South Central	Buffalo River	55	49	4
022	South Central	Buffalo River	55	49	4
025	South Central	Buffalo River	11	11	6
026	South Central	Buffalo River	61	63	3
027	South Central	Buffalo River	36	36	6
028	South Central	Buffalo River	69	69	6
029	South Central	Buffalo River	0	0	0
032	South Central	Buffalo River	0	0	0
033	South Central	Buffalo River	8	9	6
034	South Central	Buffalo River	5	Closed	0
049	South Central	Buffalo River	0	0	0
050	South Central	Buffalo River	22	14	4
051	South Central	Buffalo River	16	4	4
052	South Central	Buffalo River	11	10	3
064	South Central	Buffalo River	55	56	2
066	South Central	Buffalo River	16	10	4
035	South Central	Cazenovia Creek - B	29	0	0
037	South Central	Cazenovia Creek - C	14	13	8
039	South Central	Cazenovia Creek - C	2	0	0
044	South Central	Cazenovia Creek - C	15	7	2
046	South Central	Cazenovia Creek - C	9	1	1
047	South Central	Cazenovia Creek - C	47	44	2
048	South Central	Cazenovia Creek - C	12	0	0
055	Hertel	Cornelius Creek	40	41	9
014	South Central	Erie Basin	17	4	2
015	South Central	Erie Basin	12	12	3
016	South Central	Erie Basin	3	0	0
003	Parish	Niagara River	27	6	5
011	Albany	Niagara River	41	41	4
054	Ontario	Niagara River	4	0	0
053	Scajaquada	Scajaquada Creek	65	65	4
056	Hertel	Scajaquada Creek	5	5	4
057	Parish	Scajaquada Creek	11	0	0
058	Parish	Scajaquada Creek	2	0	0
059	Scajaquada	Scajaquada Creek	17	0	0
060	Scajaquada	Scajaquada Creek	11	0	0

Preferred Alternative Overflow Duration Results for Each CSO

CSO Outfall	District	Receiving Water	2004 Existing Conditions (CSO Only - Excluding Storm & Creek Flow) Overflow Duration (hours)	Revised Baseline 1993 Modified(CSO Only - Excluding Storm & Creek Flow) Overflow Duration (hours)	Preferred Alternative 1993 Modified (CSO Only - Excluding Storm & Creek Flow) Overflow Duration (hours)
004	Scajaquada	Black Rock Canal	12	8	9
005	Scajaquada	Black Rock Canal	5	5	4
006	Scajaquada	Black Rock Canal	322	344	57
008	Scajaquada	Black Rock Canal	105	90	0
010	Scajaquada	Black Rock Canal	103	103	1
012	Albany	Black Rock Canal	111	111	3
013	South Central	Black Rock Canal	58	25	37
061	Scajaquada	Black Rock Canal	31	29	4
063	South Central	Black Rock Canal	110	19	11
017	South Central	Buffalo River	166	124	50
022	South Central	Buffalo River	166	124	31
025	South Central	Buffalo River	17	17	12
026	South Central	Buffalo River	232	247	19
027	South Central	Buffalo River	127	131	36
028	South Central	Buffalo River	328	328	42
029	South Central	Buffalo River	0	0	0
032	South Central	Buffalo River	0	0	0
033	South Central	Buffalo River	20	21	0
034	South Central	Buffalo River	8	Closed	0.0
049	South Central	Buffalo River	0	0	0
050	South Central	Buffalo River	47	22	17
051	South Central	Buffalo River	56	14	22
052	South Central	Buffalo River	112	70	45
064	South Central	Buffalo River	166	181	31
066	South Central	Buffalo River	26	17	9
035	South Central	Cazenovia Creek - B	55	0	0
037	South Central	Cazenovia Creek - C	42	40	19
039	South Central	Cazenovia Creek - C	2	0	0
044	South Central	Cazenovia Creek - C	37	12	7
046	South Central	Cazenovia Creek - C	37	1	1
047	South Central	Cazenovia Creek - C	108	94	7
048	South Central	Cazenovia Creek - C	42	0	0
055	Hertel	Cornelius Creek	184	174	42
014	South Central	Erie Basin	61	15	17
015	South Central	Erie Basin	43	43	9
016	South Central	Erie Basin	4	0	0
003	Parish	Niagara River	224	32	30
011	Albany	Niagara River	240	243	7
054	Ontario	Niagara River	4	0	0
053	Scajaquada	Scajaquada Creek	322	344	57
056	Hertel	Scajaquada Creek	8	8	4
057	Parish	Scajaquada Creek	15	0	0
058	Parish	Scajaquada Creek	2	0	0
059	Scajaquada	Scajaquada Creek	45	0	0
060	Scajaquada	Scajaquada Creek	25	11	9

Preferred Alternative Overflow Volume Results for Each CSO/EOP

CSO Outfall[1]	District	Receiving Water	2004 Existing Conditions (CSO EOP) Overflow Volume (MG)	Revised Baseline 1993 Modified (CSO EOP) Overflow Volume (MG)	Preferred Alternative 1993 Modified (CSO EOP) Overflow Volume (MG)
004	Scajaquada	Black Rock Canal	16.2	11.2	9.2
005	Scajaquada	Black Rock Canal	0.1	0.1	0.1
006	Scajaquada	Black Rock Canal	850.9	852.0	547.4
008	Scajaquada	Black Rock Canal	16.9	14.8	7.0
010	Scajaquada	Black Rock Canal	11.8	11.9	0.0
012	Albany	Black Rock Canal	52.0	52.5	0.9
013	South Central	Black Rock Canal	13.6	6.8	5.1
061	Scajaquada	Black Rock Canal	33.8	31.2	1.1
063	South Central	Black Rock Canal	1.5	0.6	0.3
017	South Central	Buffalo River	133.2	102.9	42.9
022	South Central	Buffalo River	42.7	29.8	1.7
025	South Central	Buffalo River	1.4	1.4	1.2
026	South Central	Buffalo River	154.3	132.0	32.6
027	South Central	Buffalo River	19.4	31.7	37.6
028	South Central	Buffalo River	87.8	89.0	20.6
029	South Central	Buffalo River	0.0	0.0	0.0
032	South Central	Buffalo River	0.0	0.0	0.0
033	South Central	Buffalo River	35.7	37.8	35.2
034	South Central	Buffalo River	0.1	Closed	Closed
049	South Central	Buffalo River	0.0	0.0	0.0
050	South Central	Buffalo River	4.1	3.2	2.5
051	South Central	Buffalo River	3.7	1.2	1.0
052	South Central	Buffalo River	14.4	11.6	6.2
064	South Central	Buffalo River	27.2	21.1	6.1
066	South Central	Buffalo River	76.0	78.6	70.3
035	South Central	Cazenovia Creek - B	6.3	11.9	10.7
037	South Central	Cazenovia Creek - C	21.2	23.3	11.8
039	South Central	Cazenovia Creek - C	0.0	0.0	0.0
044	South Central	Cazenovia Creek - C	6.5	2.3	0.7
046	South Central	Cazenovia Creek - C	1.1	1.3	1.2
047	South Central	Cazenovia Creek - C	10.4	8.7	1.3
048	South Central	Cazenovia Creek - C	1.5	0.0	0.0
055	Hertel	Cornelius Creek	613.6	601.1	200.5
014	South Central	Erie Basin	25.9	4.2	3.8
015	South Central	Erie Basin	5.7	6.1	3.0
016	South Central	Erie Basin	6.2	6.1	5.6
003	Parish	Niagara River	4.5	0.1	0.7
011	Albany	Niagara River	125.7	134.3	10.9
054	Ontario	Niagara River	7.3	17.5	15.8
053	Scajaquada	Scajaquada Creek	1,385.4	1,381.1	1,258.1
056	Hertel	Scajaquada Creek	0.0	0.0	0.0
057	Parish	Scajaquada Creek	0.3	0.0	0.0
058	Parish	Scajaquada Creek	10.4	10.6	9.5
059	Scajaquada	Scajaquada Creek	5.1	20.1	17.5
060	Scajaquada	Scajaquada Creek	9.6	31.5	28.1
Totals			3,843.6	3,781.5	2,408.3
Total CSO Combined Only Volume by District (MG)	Albany		177.7	186.8	11.8
	Hertel		613.7	601.1	200.5
	Ontario		7.3	17.5	15.8
	Parish		15.1	10.7	10.2
	Scajaquada		2,329.9	2,353.9	1,868.5
	South Central		699.9	611.6	301.3
Total CSO Combined Only Volume by Receiving Water (MG)		Black Rock Canal	996.9	981.0	571.1
		Buffalo River	600.0	540.3	257.9
		Cazenovia Creek - B	6.3	11.9	10.7
		Cazenovia Creek - C	40.7	35.6	15.0
		Cornelius Creek	613.6	601.1	200.5
		Erie Basin	37.7	16.5	12.3
		Niagara River	137.4	151.9	27.5
		Scajaquada Creek	1,410.8	1,443.3	1,313.3

Notes

[1] End-of-Pipe (EOP) statistics include stream flow and separate storm flow that discharges through CSO outfalls. CSOs 006 and 053 include Scajaquada Creek watershed stream flows.

Preferred Alternative Overflow Frequency Results for Each CSO/EOP

CSO Outfall[1]	District	Receiving Water	2004 Existing Conditions (CSO EOP) Overflow Frequency	Revised Baseline 1993 Modified(CSO EOP) Overflow Frequency	Preferred Alternative 1993 Modified (CSO EOP) Overflow Frequency
004	Scajaquada	Black Rock Canal	7	5	4
005	Scajaquada	Black Rock Canal	4	4	4
006	Scajaquada	Black Rock Canal	N/A	N/A	N/A
008	Scajaquada	Black Rock Canal	91	86	92
010	Scajaquada	Black Rock Canal	44	42	1
012	Albany	Black Rock Canal	42	40	2
013	South Central	Black Rock Canal	14	6	6
061	Scajaquada	Black Rock Canal	10	9	2
063	South Central	Black Rock Canal	50	12	7
017	South Central	Buffalo River	100	95	78
022	South Central	Buffalo River	99	89	12
025	South Central	Buffalo River	11	10	6
026	South Central	Buffalo River	97	91	3
027	South Central	Buffalo River	36	34	6
028	South Central	Buffalo River	95	91	6
029	South Central	Buffalo River	0	0	0
032	South Central	Buffalo River	0	0	0
033	South Central	Buffalo River	8	9	9
034	South Central	Buffalo River	5	Closed	Closed
049	South Central	Buffalo River	0	0	0
050	South Central	Buffalo River	22	13	11
051	South Central	Buffalo River	16	4	4
052	South Central	Buffalo River	16	14	3
064	South Central	Buffalo River	91	82	56
066	South Central	Buffalo River	87	81	81
035	South Central	Cazenovia Creek - B	51	89	94
037	South Central	Cazenovia Creek - C	14	12	8
039	South Central	Cazenovia Creek - C	2	0	0
044	South Central	Cazenovia Creek - C	15	7	2
046	South Central	Cazenovia Creek - C	9	1	1
047	South Central	Cazenovia Creek - C	47	42	2
048	South Central	Cazenovia Creek - C	12	0	0
055	Hertel	Cornelius Creek	40	39	10
014	South Central	Erie Basin	17	4	4
015	South Central	Erie Basin	12	11	6
016	South Central	Erie Basin	12	94	99
003	Parish	Niagara River	27	6	5
011	Albany	Niagara River	41	39	2
054	Ontario	Niagara River	62	69	71
053	Scajaquada	Scajaquada Creek	N/A	N/A	N/A
056	Hertel	Scajaquada Creek	5	5	4
057	Parish	Scajaquada Creek	11	0	0
058	Parish	Scajaquada Creek	84	79	84
059	Scajaquada	Scajaquada Creek	17	82	86
060	Scajaquada	Scajaquada Creek	85	78	81

Notes

[1] End-of-Pipe (EOP) statistics include stream flow and separate storm flow that discharges through CSO outfalls. CSOs 006 and 053 include Scajaquada Creek watershed stream flows, therefore events were not calculated for these outfalls.

Preferred Alternative Overflow Duration Results for Each CSO/EOP

CSO Outfall[1]	District	Receiving Water	2004 Existing Conditions (CSO EOP) Overflow Duration (hours)	Revised Baseline 1993 Modified(CSO EOP) Overflow Duration (hours)	Preferred Alternative 1993 Modified (CSO EOP) Overflow Duration (hours)
004	Scajaquada	Black Rock Canal	12	8	9
005	Scajaquada	Black Rock Canal	5	5	4
006	Scajaquada	Black Rock Canal	N/A	N/A	N/A
008	Scajaquada	Black Rock Canal	672	609	654
010	Scajaquada	Black Rock Canal	103	96	1
012	Albany	Black Rock Canal	111	104	3
013	South Central	Black Rock Canal	58	23	20
061	Scajaquada	Black Rock Canal	31	24	4
063	South Central	Black Rock Canal	110	18	11
017	South Central	Buffalo River	971	841	756
022	South Central	Buffalo River	600	493	31
025	South Central	Buffalo River	17	16	12
026	South Central	Buffalo River	910	835	17
027	South Central	Buffalo River	127	121	36
028	South Central	Buffalo River	980	902	42
029	South Central	Buffalo River	0	0	0
032	South Central	Buffalo River	0	0	0
033	South Central	Buffalo River	20	21	21
034	South Central	Buffalo River	8	Closed	Closed
049	South Central	Buffalo River	0	0	0
050	South Central	Buffalo River	47	21	17
051	South Central	Buffalo River	56	14	13
052	South Central	Buffalo River	131	91	45
064	South Central	Buffalo River	392	367	182
066	South Central	Buffalo River	1437	1388	1388
035	South Central	Cazenovia Creek - B	164	544	540
037	South Central	Cazenovia Creek - C	42	35	19
039	South Central	Cazenovia Creek - C	2	0	0
044	South Central	Cazenovia Creek - C	37	12	7
046	South Central	Cazenovia Creek - C	37	1	1
047	South Central	Cazenovia Creek - C	108	87	7
048	South Central	Cazenovia Creek - C	42	0	0
055	Hertel	Cornelius Creek	184	164	42
014	South Central	Erie Basin	61	15	16
015	South Central	Erie Basin	43	40	24
016	South Central	Erie Basin	483	457	457
003	Parish	Niagara River	224	32	30
011	Albany	Niagara River	240	230	7
054	Ontario	Niagara River	520	679	702
053	Scajaquada	Scajaquada Creek	N/A	N/A	N/A
056	Hertel	Scajaquada Creek	8	8	4
057	Parish	Scajaquada Creek	15	0	0
058	Parish	Scajaquada Creek	621	560	617
059	Scajaquada	Scajaquada Creek	45	853	938
060	Scajaquada	Scajaquada Creek	438	737	797

Notes

[1] End-of-Pipe (EOP) statistics include stream flow and separate storm flow that discharges through CSO outfalls. CSOs 006 and 053 include Scajaquada Creek watershed stream flows, therefore durations were not calculated for these outfalls.

Technical Memorandum: Water Quality Modeling for the Preferred CSO Control Alternative In Buffalo River, Scajaquada Creek, Niagara River, and Black Rock Canal

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Prepared On Behalf Of
The Buffalo Sewer Authority

April 5, 2012

LimnoTech
Water | Environment | Scientists | Engineers

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Appendix A: Supplemental Scajaquada Creek Model Results
Appendix B: Supplemental Buffalo River Model Results
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1. INTRODUCTION

This technical memo describes the water quality modeling results for the preferred combined sewer overflow (CSO) alternative (Preferred Alternative) in Buffalo, New York. Specifically, the effects of the Preferred Alternative on water quality in the Niagara River, Buffalo River, Black Rock Canal, and Scajaquada Creek were simulated and the results compared to a modified baseline condition representing background (upstream) water quality set at 75% of the applicable water quality standards (WQSs), using the same typical hydrologic year. LimnoTech prepared this technical memo on behalf of the Buffalo Sewer Authority (BSA), under subcontract to Arcadis/Malcolm Pirnie.

The development and calibration of the models discussed herein were documented in a separate report submitted to USEPA (LimnoTech, 2010). Development of boundary conditions for the typical year and modeling of baseline conditions were described in a separate technical memo (LimnoTech, 2012a). The water quality modeling results for this modified baseline condition were also documented in that technical memo (LimnoTech, 2012a), where the modified baseline scenario was referred to as the "Bkgd 75% of WQS". In this technical memo, this scenario is referred to as "Baseline" for simplicity.

1.1 OBJECTIVE

The objective of the work described in this technical memo was to model the water quality effects of the Preferred Alternative and compare the attainment of water quality standards under that alternative with WQS attainment under a baseline condition (without CSO control).

1.2 TYPICAL YEAR

The typical year selected for use in evaluating CSO control alternatives in this analysis is referred to as the 1993 typical year (TY93). This typical year was determined and defined by Arcadis/Malcolm Pirnie. A summary description of the 1993 typical year was presented in a separate technical memo (LimnoTech, 2012a).

1.3 BASELINE CONDITION

For purposes of evaluating water quality performance of the *Preferred Alternative*, a baseline scenario representing improved upstream water quality was chosen. As mentioned above, this baseline scenario was previously documented in a separate technical memo (LimnoTech, 2012a) and incorporates upstream water quality conditions set at 75% of the WQS (CBOD has no WQS, so it was set to 75% of the existing conditions upstream concentration). These modified upstream boundary conditions were identical for both the *Baseline* scenario used in this memo and the *Preferred Alternative*.

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2. PREFERRED ALTERNATIVE WATER QUALITY MODEL RESULTS

The objective of the work presented here was to compare attainment of WQS under the *Preferred Alternative* with WQS attainment under the *Baseline*[1] condition (without CSO control). The WQS of interest were bacteria and DO, which are discussed in the following sections.

2.1 WATER QUALITY STANDARDS AND ASSESSMENT OF ATTAINMENT

Hourly model output for bacteria and dissolved oxygen were post-processed for each water body and compared with existing New York surface water quality standards (WQS) to assess water body attainment. Table 2-1 describes the fecal coliform and dissolved oxygen water quality standards for each water body and modeling domain. These standards are consistent with standards set for water body classifications A-Special, B, and C.

2.1.1 Calculation of Bacteria Attainment

The following bullet points summarize how WQS attainment was calculated for fecal coliform bacteria:

- Hourly model output was averaged to a daily value for each simulation day;
- For Niagara River (Class A-Special), a ***rolling 30-day*** geometric mean was calculated for each time period and compared to the criterion of 200 CFU / 100 mL;
- For all other water bodies of interest (Classes B or C), a ***monthly*** geometric mean was calculated and compared to the criterion of 200 CFU / 100 mL (one geometric mean for each month in the 12-month typical year);
- The percent attainment, reflective of the entire "typical year" simulation period, was calculated for each model cell and either mapped or shown as a longitudinal plot. For the rolling 30-day geometric mean, the percent attainment was calculated as the number of results < 200 divided by 335. For the monthly geometric mean, the percent attainment will be calculated as the number of monthly geometric means < 200 divided by 12; and
- In model domains with multiple vertical cells (e.g., Black Rock Canal, lower end of Buffalo River), the fecal coliform concentrations for the surface model cell was used to determine percent attainment.

2.1.2 Calculation of Dissolved Oxygen Attainment

The following bullet points summarize how WQS attainment was calculated for DO:

[1] Note: As discussed in Section 1 of this memo, the term "baseline" in this memo refers to the scenario where upstream water quality condition are set at 75% of the WQS or 75% of the existing conditions, where no WQS exist, such as for CBOD.

- Hourly model outputs were used to compute both daily average and daily minimum DO concentrations for each model cell and simulation day;
- For all applicable water bodies (Classes B or C), the daily ***average*** DO concentration was compared to a criterion of 5 mg/L;
- For all applicable water bodies (Classes B or C), the daily ***minimum*** DO concentration was compared to a criterion of 4 mg/L;
- The percent attainment, reflective of the entire "typical year" simulation period, was calculated in reference to both daily average and daily minimum WQS. Both results were compiled for each model cell and either mapped or shown as a longitudinal plot; and
- In model domains with multiple vertical cells (e.g., Black Rock Canal, lower end of Buffalo River), the most critical cell was mapped or plotted.

Table 2-2-1. Classification and Surface Water Quality Standards for Water Bodies and Constituents of Interest

Water body	Segment / Location	Water body Classification	Numeric Criteria (Fecal Coliform)*	Numeric Criteria (Dissolved Oxygen)
Black Rock Canal	From locks to south end of Bird Island Pier	C	Monthly geomean ≤ 200/100 mL (N ≥ 5)	Minimum daily average ≥ 5 mg/L. Concentration may never be less than 4 mg/L.
Buffalo River/ Cazenovia Creek	Buffalo River from mouth to City of Buffalo-West Seneca town line and including Buffalo Ship Canal	C	Monthly geomean ≤ 200/100 mL (N ≥ 5)	Minimum daily average ≥ 5 mg/L. Concentration may never be less than 4 mg/L.
	Cazenovia Creek from mouth at Buffalo River to Cazenovia Street Bridge (just d/s of waterfall)	C	Monthly geomean ≤ 200/100 mL (N ≥ 5)	Minimum daily average ≥ 5 mg/L. Concentration may never be less than 4 mg/L.
Niagara River (U.S regions only)	Modeled portions of Niagara River *west* of breakwaters located to the south of Bird Island Pier	A-Special	30-day geomean ≤ 200/100 mL (N ≥ 5)	*Not applicable – dissolved oxygen not modeled in this water body*
	Modeled portions of Niagara River *east* of breakwaters located to the south of Bird Island Pier	B, C	Monthly geomean ≤ 200/100 mL (N ≥ 5)	*Not applicable – dissolved oxygen not modeled in this water body*
Scajaquada Creek	From mouth to Cheektowaga town line	B, C	Monthly geomean ≤ 200/100 mL N ≥ 5)	Minimum daily average ≥ 5 mg/L. Concentration may never be less than 4 mg/L.

(*) The total and fecal coliform standards for classes B, C, D, SB, SC and I shall be met during all periods:

(1) when disinfection is required for SPDES permitted discharges directly into, or affecting the best usage of, the water; or

(2) when the department determines it necessary to protect human health.

2.2 BACTERIA WQS ATTAINMENT

Attainment of the bacteria WQS for each water body under the *Preferred Alternative* was calculated from model output and compared to the bacteria WQS attainment for the *Baseline* condition. Table 2-2 provides a summary of annual percent attainment of bacteria water quality standards for all modeled water bodies under these two scenarios. Attainment was first calculated for each model segment and then spatially averaged across each water body.

All water bodies demonstrated 100% attainment of the bacteria WQS under the *Preferred Alternative* scenario. The greatest improvement was seen for Lower Scajaquada Creek, where attainment increased from 77% in the *Baseline* (Bkgd 75% of WQS*)* scenario to 100% in the *Preferred Alternative* scenario. Additionally, bacteria WQS attainment increased from 85.5% to 100% for Black Rock Canal, from 93.1% to 100% for the Buffalo River, and from 98.9% to 100% for Upper Scajaquada Creek. Erie Basin and the Niagara River remained unchanged at 100% attainment.

Additional results for each water body can be found in Appendices A (Upper Scajaquada Creek), B (Buffalo River), C (Lower Scajaquada Creek, Black Rock Canal) and D (Niagara River).

Table 2-2-2. Water Quality Standards Attainment for Bacteria, Comparison of Baseline Scenario with Preferred Alternative

(Averaged across Water Body and Typical Year)

Bacteria						
Scenario	Annual Percent Attainment (%) of WQS					
	Upper Scajaquada Creek	Lower Scajaquada Creek	Buffalo River	Black Rock Canal	Erie Basin	Niagara River
1993 TY – Baseline (Bkgd 75% of WQS)	98.9	77.0	93.1	85.5	100.0	100.0
1993 TY – Preferred Alternative	100.0	100.0	100.0	100.0	100.0	100.0

Figures 2-1 to 2-4 provide a month-by-month graphical comparison between the baseline scenario and the Preferred Alternative for area-weighted monthly attainment of bacteria water quality standards.

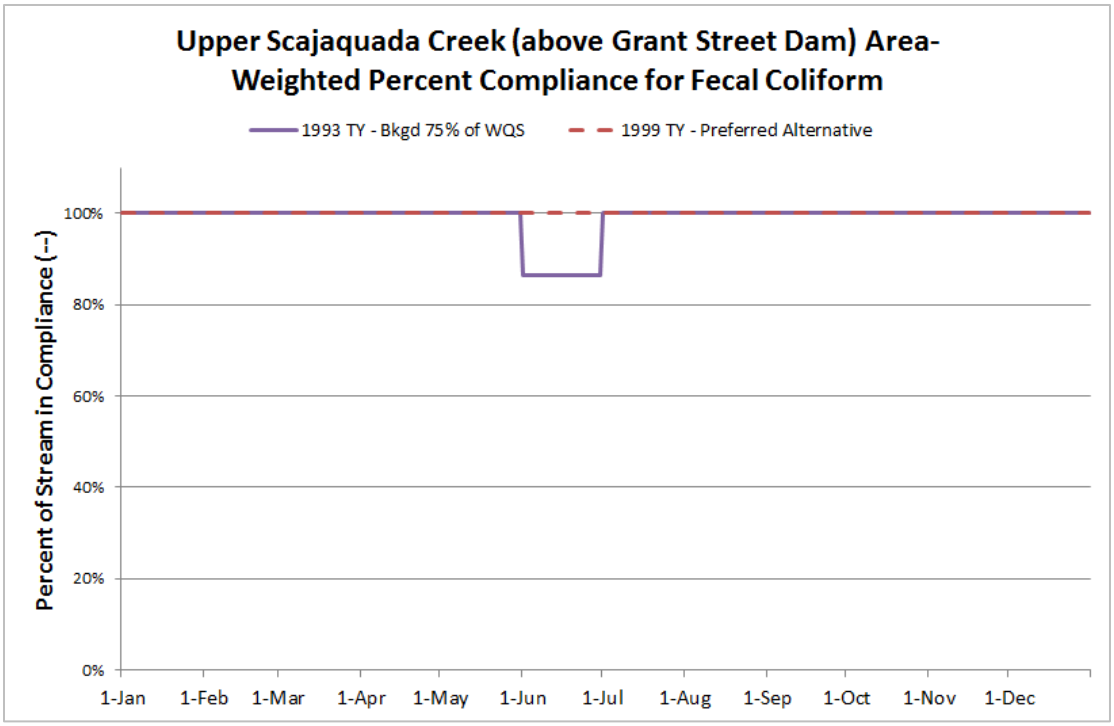

Figure 2-1. Upper Scajaquada Creek Area-Weighted Fecal Coliform Monthly Attainment, Baseline Scenario vs. Preferred Alternative

In the *Baseline* (Bkgd 75% of WQS) scenario, area-weighted monthly attainment of bacteria WQS for Upper Scajaquada Creek was approximately 86% in June and 100% in all remaining months. Under the *Preferred Alternative* scenario, the area-weighted monthly attainment in June increased to 100%, resulting in 100% annual attainment of bacteria WQS for Upper Scajaquada Creek.

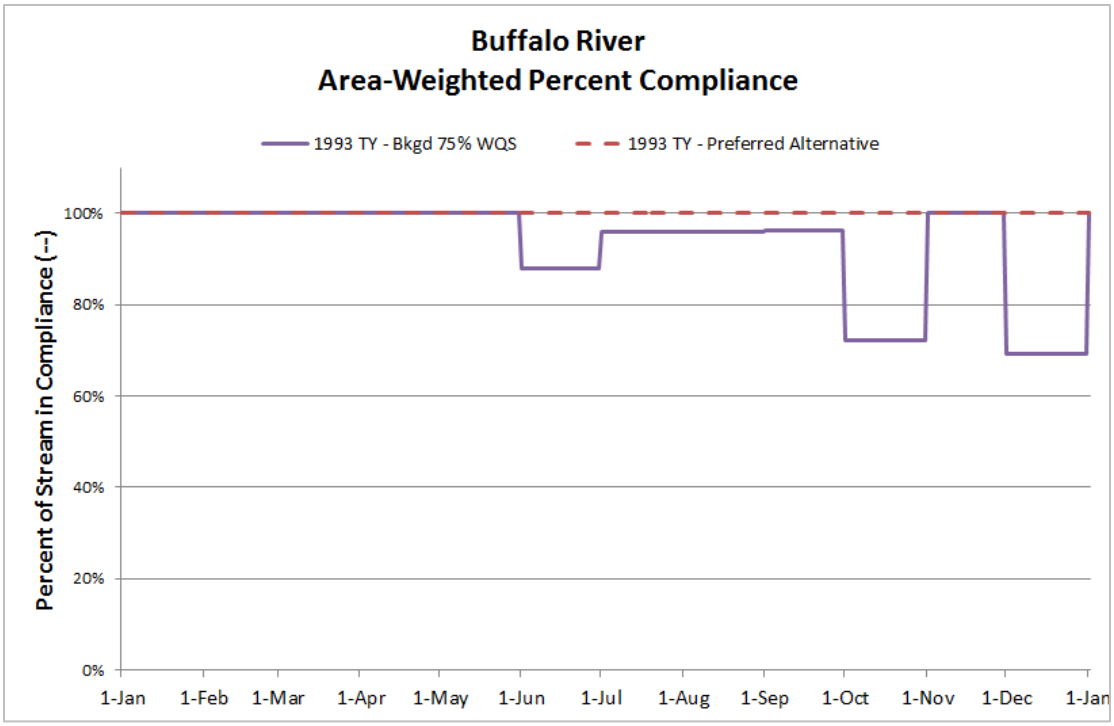

Figure 2-2. Buffalo River Area-Weighted Fecal Coliform Monthly Attainment, Baseline Scenario vs. Preferred Alternative

For the Buffalo River, the *Preferred Alternative* scenario provides the greatest attainment of WQS, at 100% for all months of the year. Whereas, attainment for the *Baseline* (Bkgd 75% of WQS) scenario generally worsens from 100% in the early months of the year, January through May, to a low of 69% in December. Attainment briefly reaches 100% in the month of November.

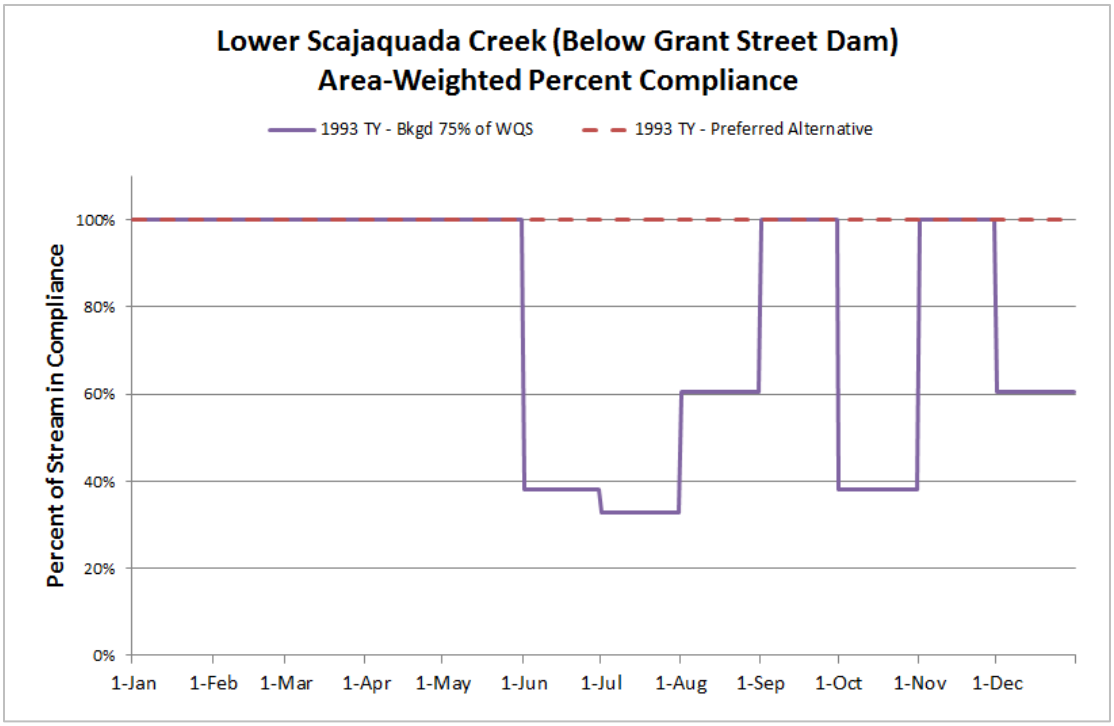

Figure 2-3. Lower Scajaquada Creek Area-Weighted Monthly Attainment, Baseline Scenario vs. Preferred Alternative

In the *Baseline* (Bkgd 75% of WQS) scenario, Lower Scajaquada Creek demonstrated area-weighted monthly compliance of approximately 60% for August and December, and compliance less than 40% for June, July, and October. Compliance was 100% for the remaining months. Under the *Preferred Alternative* scenario, compliance with the bacteria WQS improved to 100% for all months.

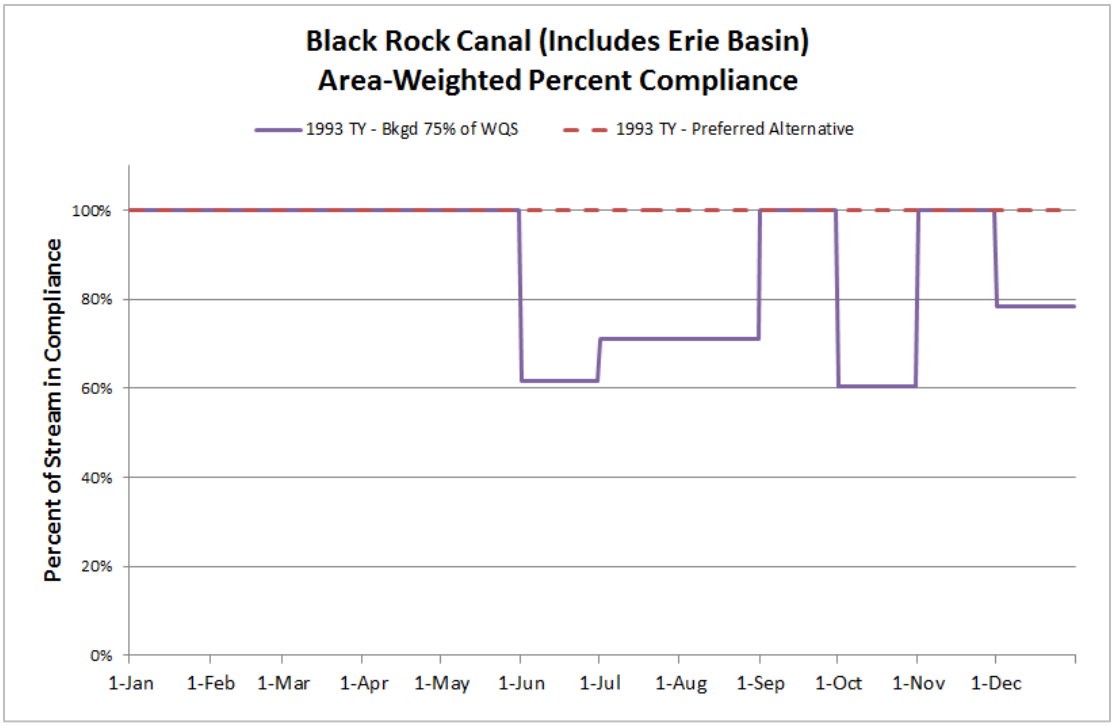

Figure 2-4. Black Rock Canal Area-Weighted Monthly Attainment, Baseline Scenario vs. Preferred Alternative (Includes Erie Basin)

Black Rock Canal demonstrated compliance between 60% and 80% in June, July, August, October, and December in the *Baseline* (Bkgd 75% of WQS) scenario. Attainment with the bacteria WQS was 100% in the remaining months. Under the *Preferred Alternative* scenario, WQS attainment increases to 100% in all months for Black Rock Canal.

Detailed results for each water body can be found in Appendices A (Upper Scajaquada Creek), B (Buffalo River), C (Lower Scajaquada Creek, Black Rock Canal), and D (Niagara River).

2.3 DISSOLVED OXYGEN WQS ATTAINMENT

Attainment of the DO WQS for each water body under the *Preferred Alternative* was calculated from model output and compared to the DO WQS attainment for the *Baseline* condition. Tables 2-3 and 2-4 provide summaries of annual percent attainment of DO water quality standards for all modeled water bodies under these two scenarios. Attainment was first calculated for each model segment and then spatially averaged across each water body.

In general, dissolved oxygen attainment is very high and similar for both scenarios for Upper Scajaquada Creek, Lower Scajaquada Creek, and Black Rock Canal. The *Preferred Alternative* scenario provides slightly higher attainment of the DO WQS for all water bodies, with the greatest increase in Upper Scajaquada Creek.

Table 2-2-3. Annual Percent Attainment of Water Quality Standards for Daily Average Dissolved Oxygen, Baseline Scenario vs. Preferred Alternative, All Modeled Water Bodies

Dissolved Oxygen, Daily Average (Critical Cell)				
Scenario	Annual Percent Attainment (%) of WQS			
	Upper Scajaquada Creek	Lower Scajaquada Creek	Buffalo River	Black Rock Canal
1993 TY – Baseline (Bkgd 75% of WQS)	90.6	99.8	74.3	98.9
1993 TY – Preferred Alternative	91.8	99.9	74.5	99.0

Table 2-2-4. Annual Percent Attainment of Water Quality Standards for Daily Minimum Dissolved Oxygen, Baseline Scenario vs. Preferred Alternative, All Modeled Water Bodies

Dissolved Oxygen, Daily Minimum (Critical Cell)				
Scenario	Annual Percent Attainment (%) of WQS			
	Upper Scajaquada Creek	Lower Scajaquada Creek	Buffalo River	Black Rock Canal
1993 TY – Baseline (Bkgd 75% of WQS)	95.6	99.9	77.7	99.1
1993 TY – Preferred Alternative	98.2	100.0	77.8	99.2

Figures 2-5 to 2-10 provide a month-by-month graphical comparison between the *Baseline* scenario and the *Preferred Alternative* for area-weighted monthly attainment of DO WQS (daily average and daily minimum) in Upper Scajaquada Creek, Lower Scajaquada Creek, and Black Rock Canal.

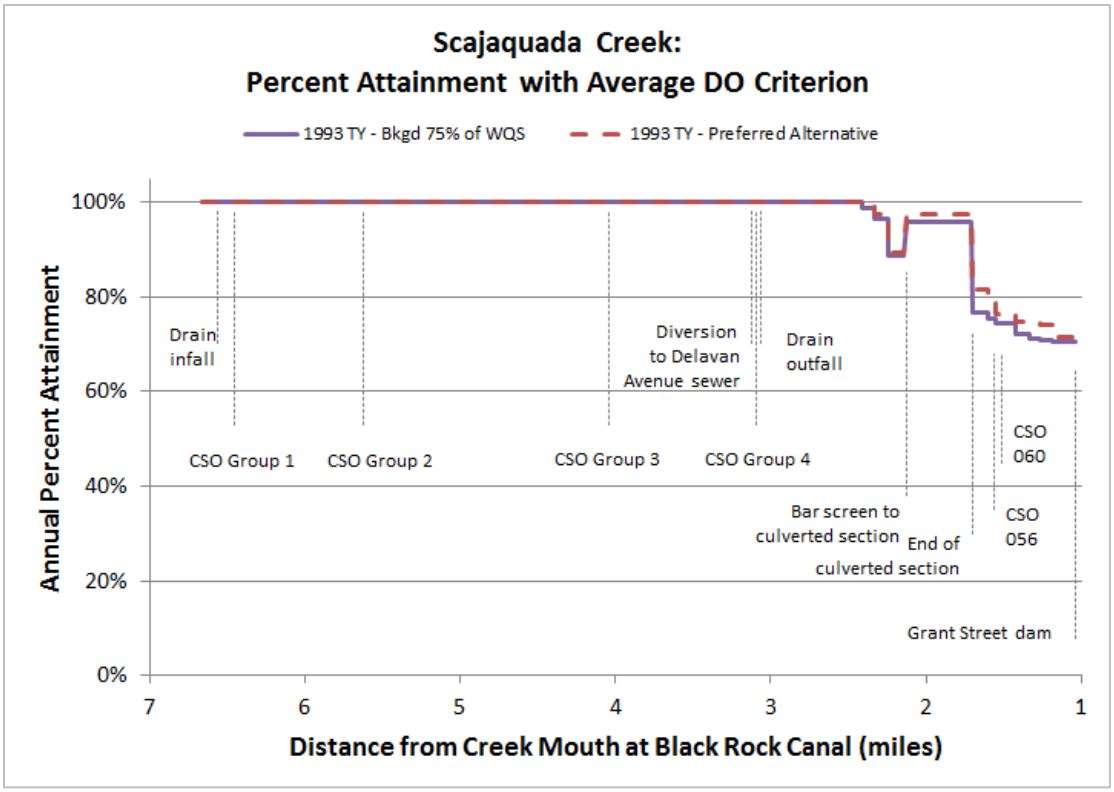

Figure 2-5. Upper Scajaquada Creek Area-Weighted Daily Average DO Monthly Attainment, Baseline Scenario vs. Preferred Alternative

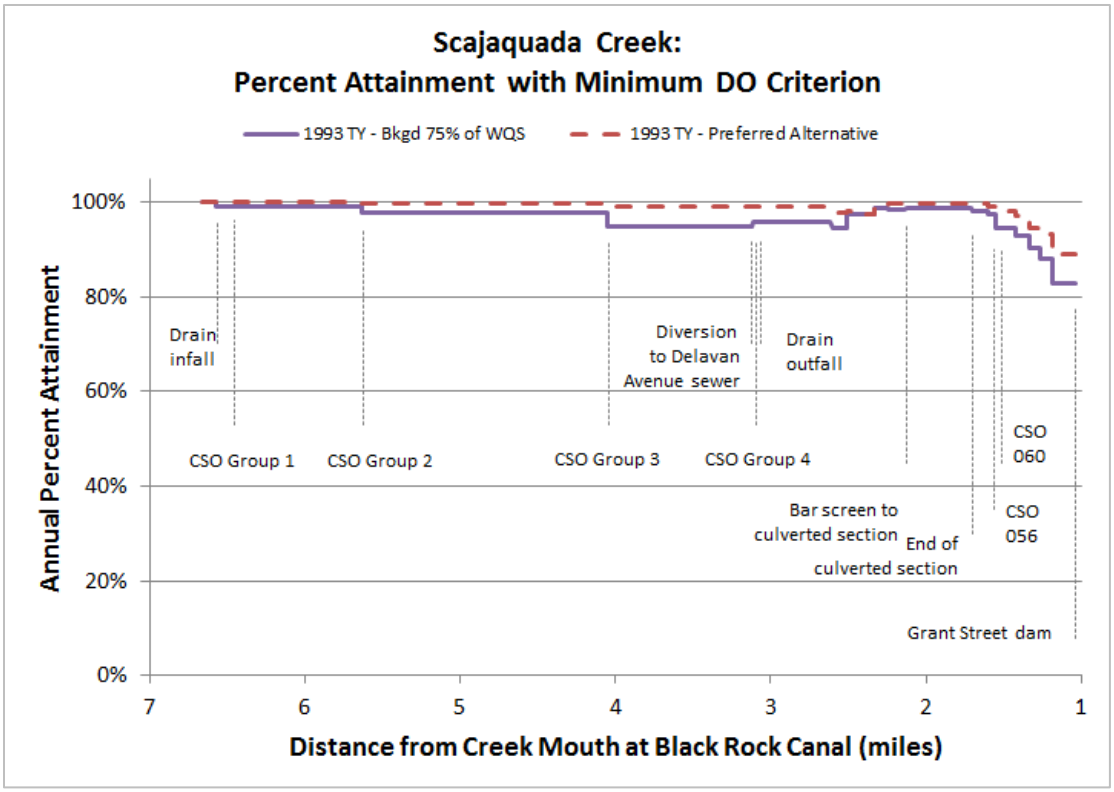

Figure 2-6. Upper Scajaquada Creek Area-Weighted Daily Minimum DO Monthly Attainment, Baseline Scenario vs. Preferred Alternative

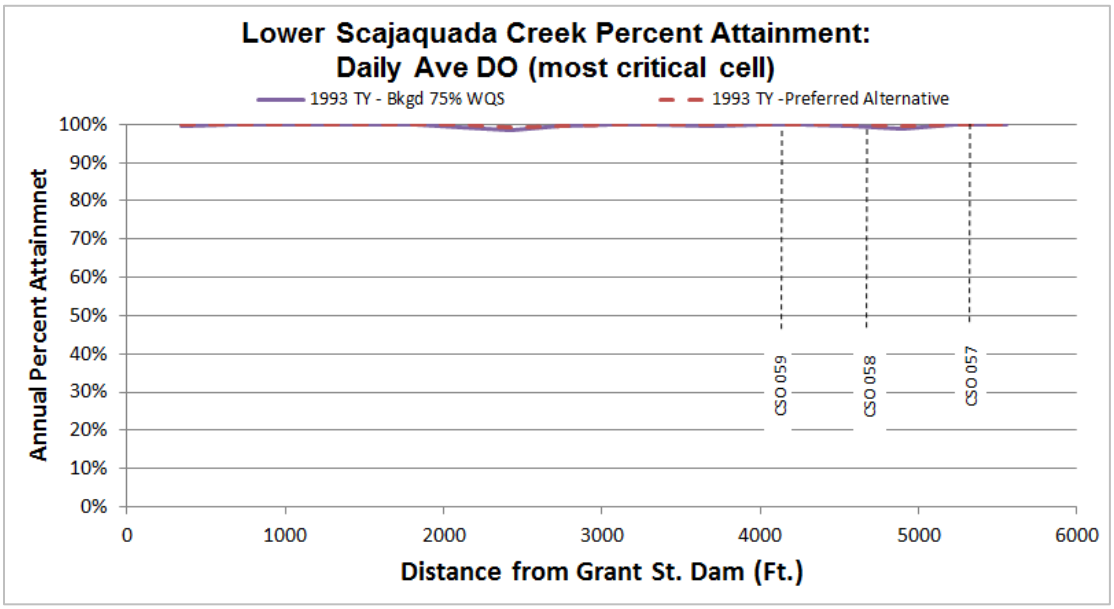

Figure 2-7. Lower Scajaquada Creek Area-Weighted Daily Average DO Monthly Attainment, Baseline Scenario vs. Preferred Alternative

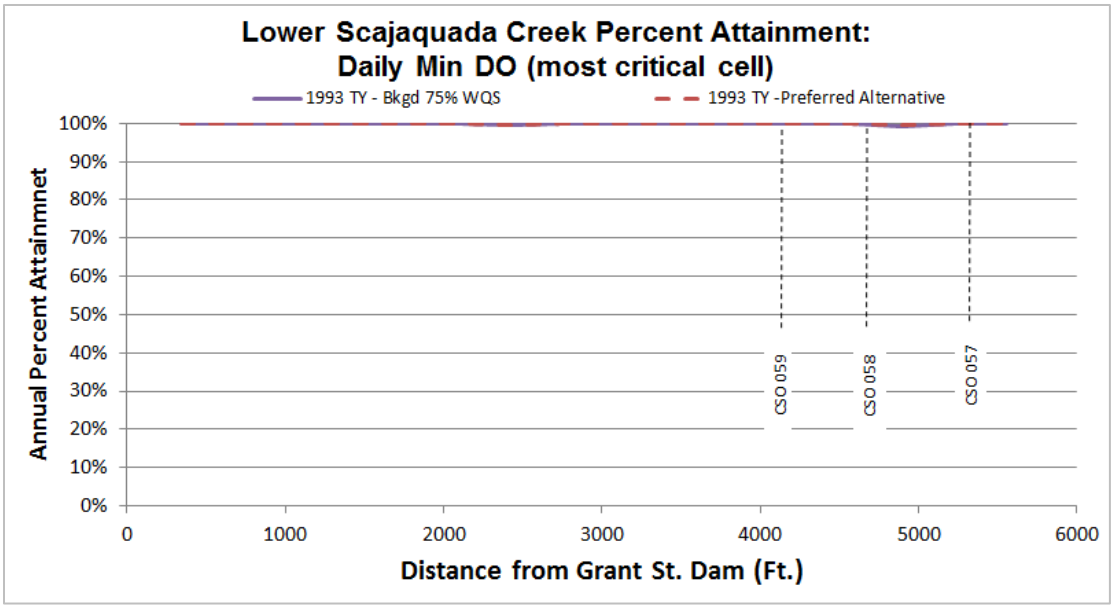

Figure 2-8. Lower Scajaquada Creek Area-Weighted Daily Minimum DO Monthly Attainment, Baseline Scenario vs. Preferred Alternative

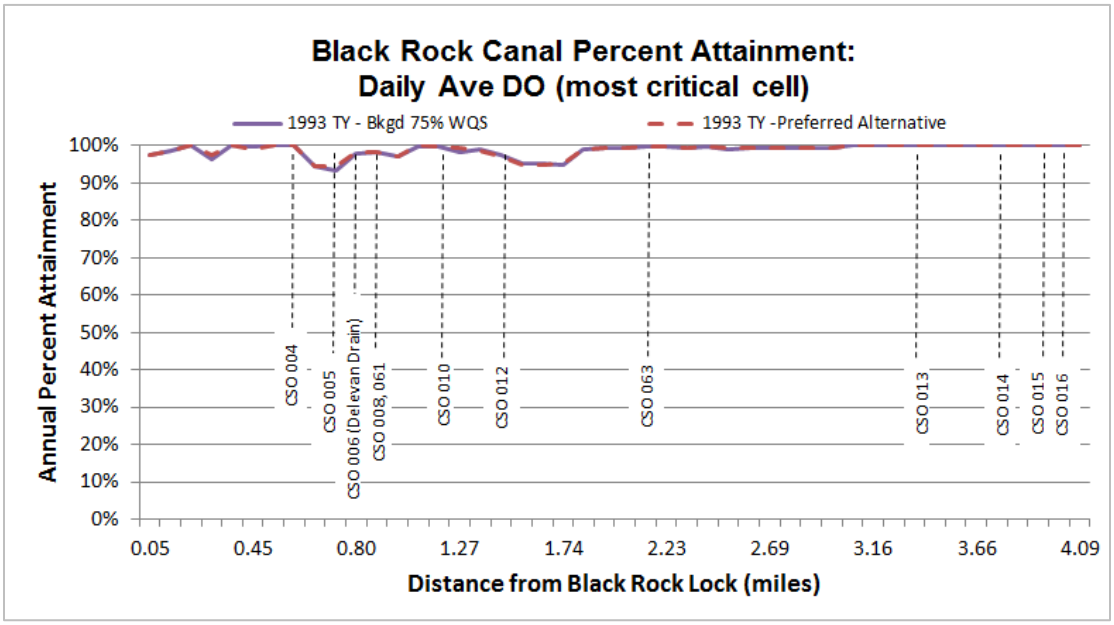

Figure 2-9. Black Rock Canal Area-Weighted Daily Average DO Monthly Attainment, Baseline Scenario vs. Preferred Alternative

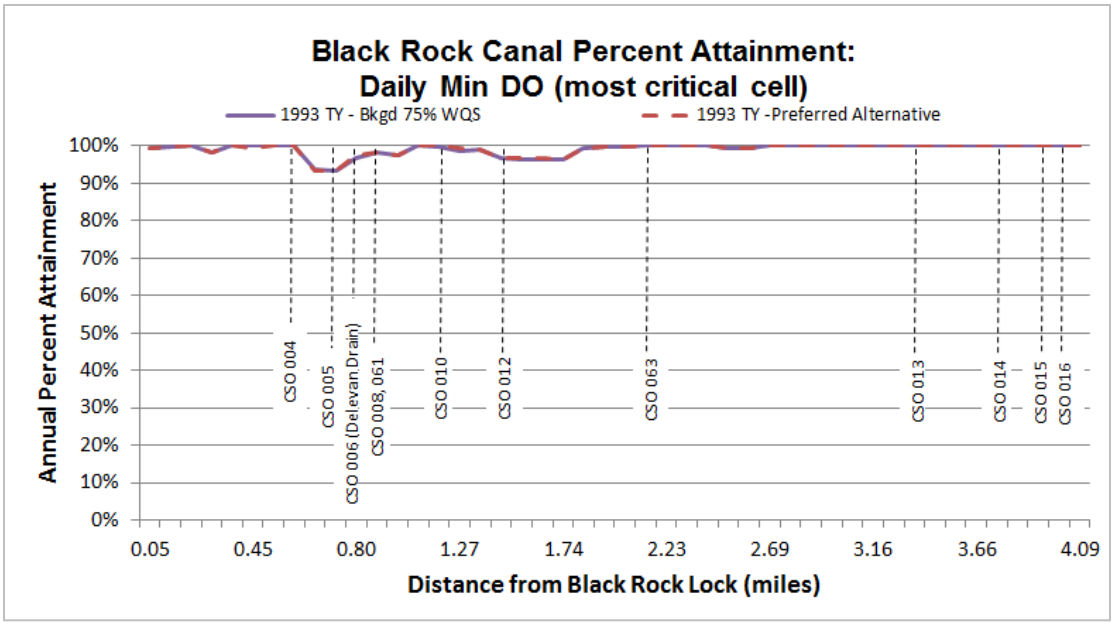

Figure 2-10. Black Rock Canal Area-Weighted Daily Minimum DO Monthly Attainment, Baseline Scenario vs. Preferred Alternative

Because the Buffalo River model is three-dimensional, it is clearer to depict the results for the *Baseline* scenario and the *Preferred Alternative* in map view. Figures 2-11 through 2-14 show the DO WQS attainment in the Buffalo River for the *Baseline* and *Preferred Alternative* scenarios.

Dissolved oxygen attainment results are mapped in 10 bins, such that annual attainment can be viewed in 10% increments, with red representing 10% or less of days in attainment and dark blue representing 100% of days in attainment.

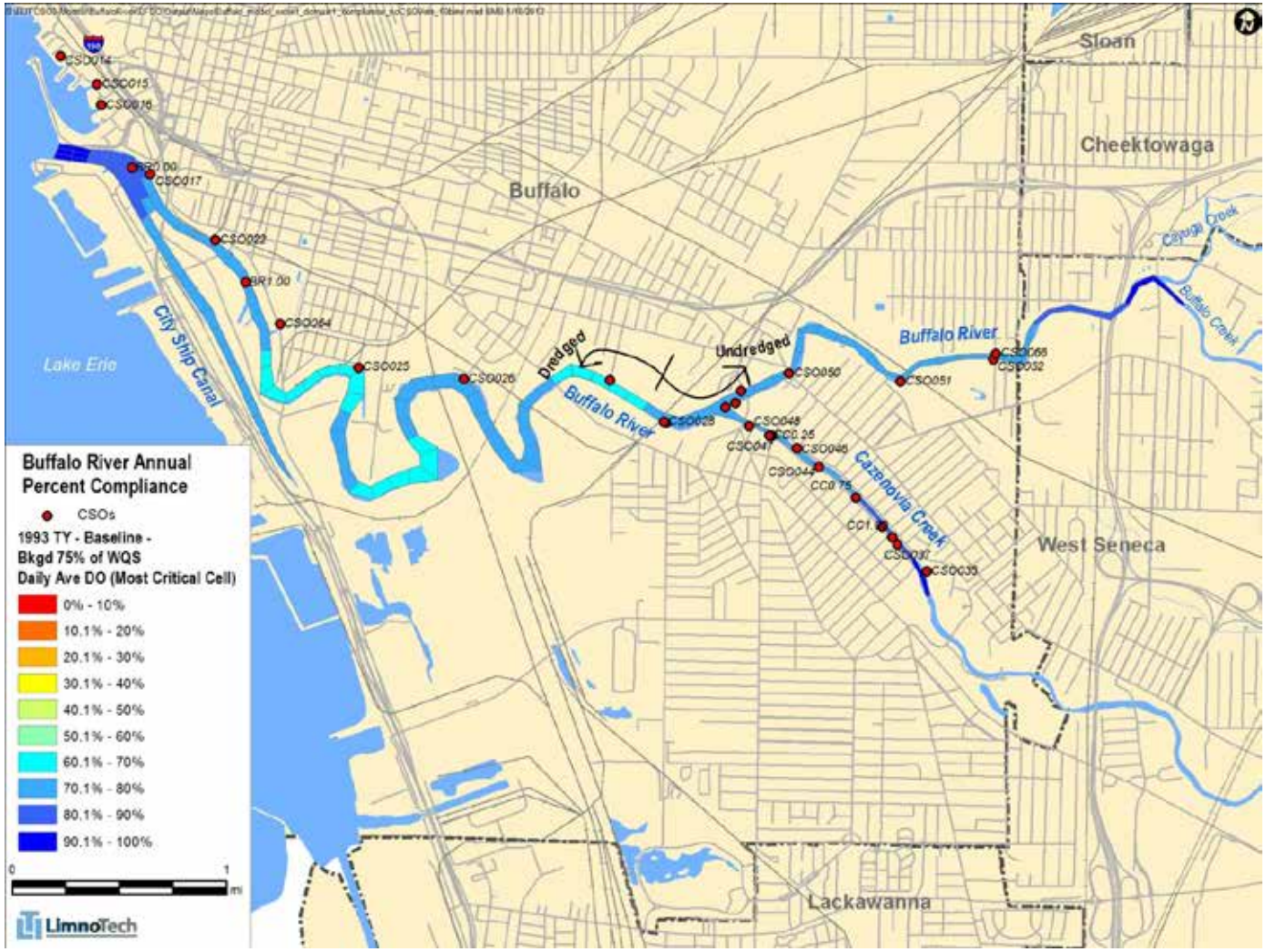

Figure 2-11. Buffalo River Area-Weighted Daily Average DO Annual Attainment, Baseline Scenario

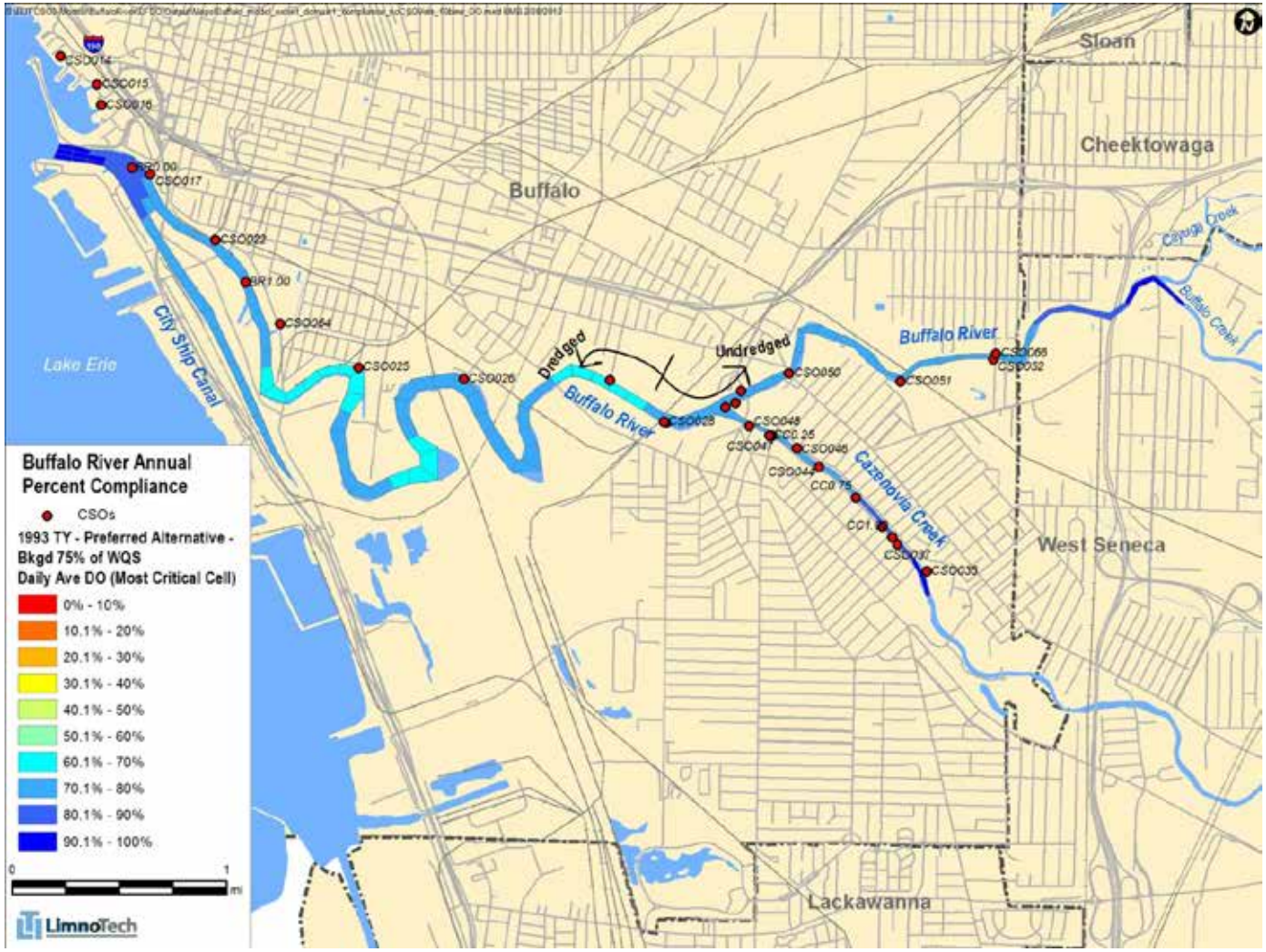

Figure 2-12. Buffalo River Area-Weighted Daily Average DO Annual Attainment, Preferred Alternative

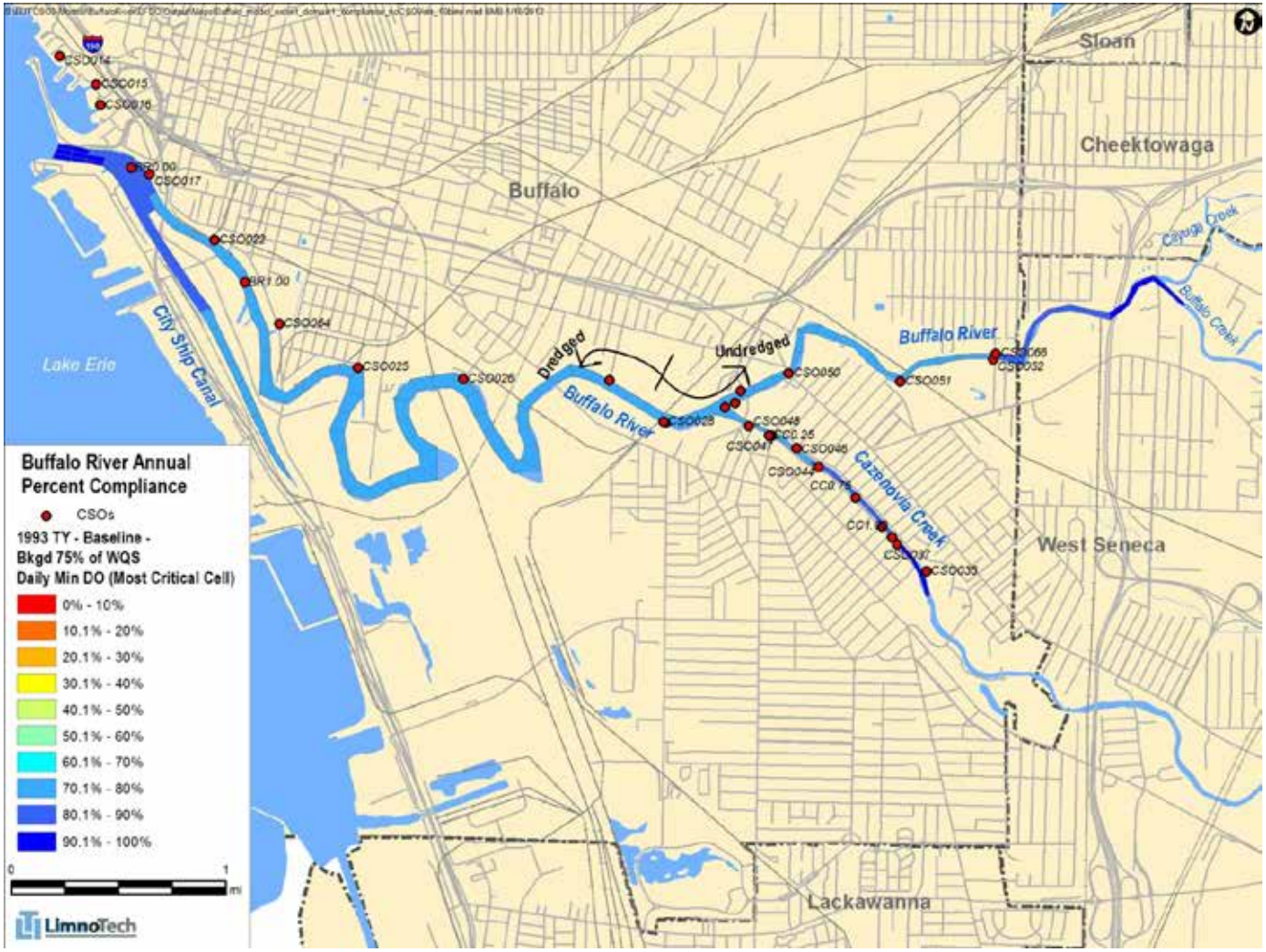

Figure 2-13. Buffalo River Area-Weighted Daily Minimum DO Annual Attainment, Baseline Scenario

Figure 2-14. Buffalo River Area-Weighted Daily Minimum DO Annual Attainment, Preferred Alternative

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3. SUMMARY

The previously calibrated water quality models of the Buffalo River, Scajaquada Creek, Black Rock Canal, and Niagara River were used to evaluate the water quality benefits under the preferred CSO control alternative identified by BSA, using the 1993 TY. The *Preferred Alternat*ive results were compared to a modified *Baseline* condition where water quality for background (upstream) conditions was reduced to a condition intended to represent future upstream improvements in water quality: 1)150 #/100 mL (bacteria), and 2) 75% of existing conditions (BOD).

The water quality models were run for each of these scenarios and the hourly model output for bacteria and dissolved oxygen were compares to current New York State WQS. The results of this comparison are tabulated in Tables 3-1 through 3-3 below. It should be noted that the significant figures presented in these percentage results are intended to allow differentiation between results that rounding might obscure, and do not necessarily represent the actual level of accuracy of the models.

Table 3-1. Water Quality Standards Attainment for Bacteria, Baseline and Preferred Alternative (Averaged across Water Body and Typical Year)

Bacteria						
Scenario	Annual Percent Attainment (%) of WQS					
	Upper Scajaquada Creek	Lower Scajaquada Creek	Buffalo River	Black Rock Canal	Erie Basin	Niagara River
1993 TY - Bkgd 75% of WQS	98.9	77.0	93.1	85.5	100.0	100.0
1993 TY – Preferred Alternative	100.0	100.0	100.0	100.0	100.0	100.0

Table 3-2. Annual Percent Attainment of Water Quality Standards for Daily Average Dissolved Oxygen, Baseline Scenario vs. Preferred Alternative, All Modeled Water Bodies

Dissolved Oxygen, Daily Average (Critical Cell)				
Scenario	Annual Percent Attainment (%) of WQS			
	Upper Scajaquada Creek	Lower Scajaquada Creek	Buffalo River	Black Rock Canal
1993 TY – Baseline (Bkgd 75% of WQS)	90.6	99.8	74.3	98.9
1993 TY – Preferred Alternative	91.8	99.9	74.5	99.0

Table 3-3. Annual Percent Attainment of Water Quality Standards for Daily Minimum Dissolved Oxygen, Baseline Scenario vs. Preferred Alternative, All Modeled Water Bodies

Dissolved Oxygen, Daily Minimum (Critical Cell)				
Scenario	Annual Percent Attainment (%) of WQS			
	Upper Scajaquada Creek	Lower Scajaquada Creek	Buffalo River	Black Rock Canal
1993 TY – Baseline (Bkgd 75% of WQS)	95.6	99.9	77.7	99.1
1993 TY – Preferred Alternative	98.2	100.0	77.8	99.2

These results support the following observations:

- Under the *Preferred Alternative*, attainment of the bacteria WQS is increased to 100% for all water bodies.
- Slight improvements in DO WQS attainment were observed as a result of the *Preferred Alternative*, but DO attainment is generally very high throughout the system with the exception of the Buffalo River. It was previously shown (LimnoTech, 2012b) that complete elimination of CSOs had a very similar effect on attainment of the DO WQS in each system, suggesting that CSOs have very little impact on DO conditions in these water bodies.

In general, these results indicate that WQS attainment in the systems modeled are more heavily impacted by factors other than by CSOs. This evaluation was not intended to identify or evaluate those other factors, but pollutant loading from upstream sources and other non-CSO point sources are possible factors.

4. REFERENCES

LimnoTech. 2010. *Water Quality Model Development and Calibration Report For Buffalo River, Scajaquada Creek, Niagara River, and Black Rock Canal.* Prepared on behalf of the Buffalo Sewer Authority. November 23, 2010.

LimnoTech. 2012a. *Technical Memorandum: Baseline Water Quality Modeling For Buffalo River, Scajaquada Creek, Niagara River, and Black Rock Canal.* Prepared on behalf of the Buffalo Sewer Authority. March 30, 2012.

LimnoTech. 2012b. *Technical Memorandum: Impact of CSOs on Receiving Water Dissolved Oxygen and Buffalo River.* Prepared on behalf of the Buffalo Sewer Authority. April 4, 2012.

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APPENDIX A: SUPPLEMENTAL UPPER SCAJAQUADA CREEK MODEL RESULTS

The following figure provides a graphical comparison between the two scenarios for fecal coliform water quality standards (WQS) for Upper Scajaquada Creek (above Grant St. Dam). Attainment with the bacteria WQS has been graphed spatially for each scenario.

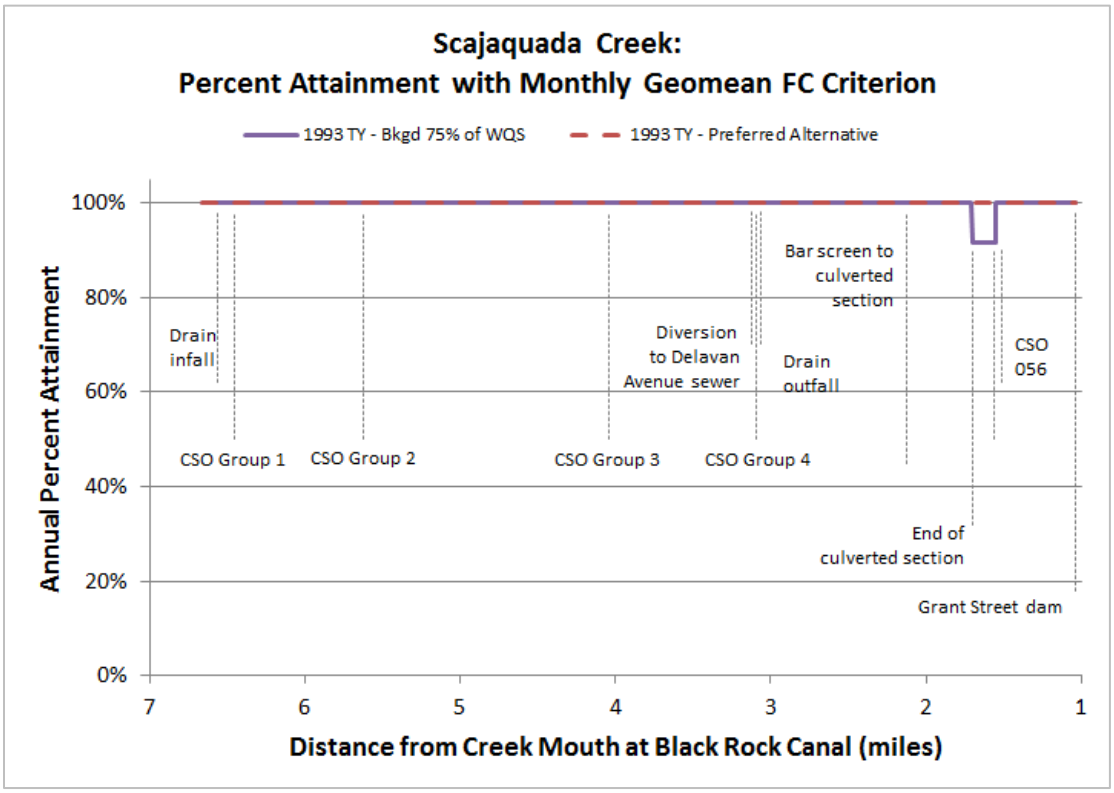

Figure A-1. Upper Scajaquada Creek Annual Fecal Coliform Attainment, Baseline Scenario vs. Preferred Alternative

In the baseline (Bkgd 75% of WQS) scenario, attainment with the bacteria WQS is 100% for nearly all segments of Upper Scajaquada with the exception of the segment between the end of the culverted section and CSO 056, where attainment is approximately 90%. Under the Preferred Alternative scenario, attainment improves to 100% throughout Upper Scajaquada Creek.

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APPENDIX B: SUPPLEMENTAL BUFFALO RIVER MODEL RESULTS

The following figures present annual percent attainment results for bacteria water quality standards (WQS) for the Buffalo River (including downstream portions of Buffalo and Cazenovia Creeks). Because this model is 3D, attainment for all layers within a cell cannot be represented at once. Therefore, monthly fecal coliform attainment at the surface has been mapped for the baseline (bkgd 75% of WQS) and *Preferred Alternative* scenarios.

Fecal coliform attainment results are mapped in 12 bins, such that each successive bin represents an additional month in attainment, with red representing zero to one month in attainment of the WQS and dark blue representing all twelve months in attainment.

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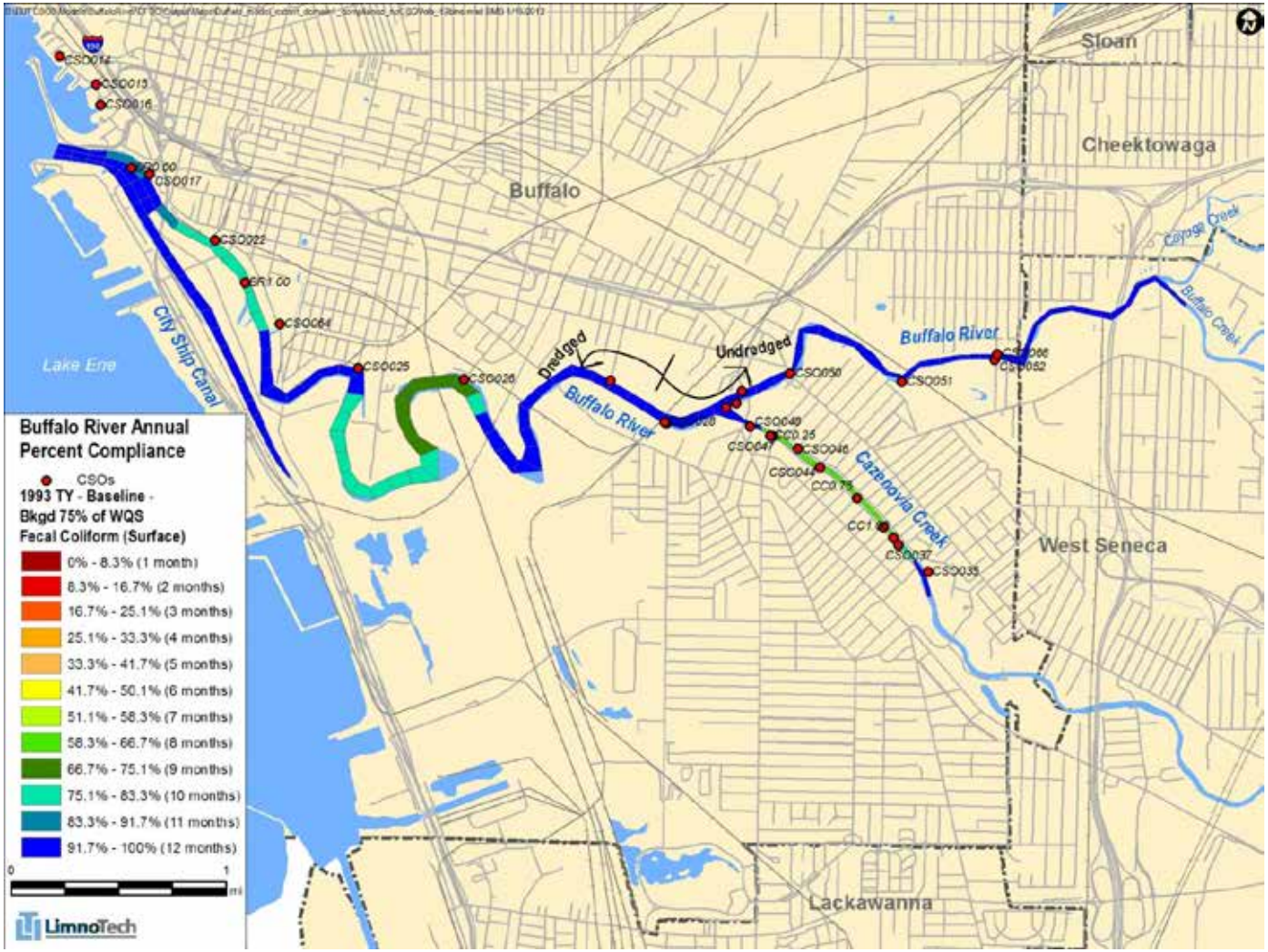

Figure B-1. 1993 – Background 75% of WQS, Annual Percent Fecal Coliform Attainment, Buffalo River

Figure B-2. 1993 – Preferred Alternative, Annual Percent Fecal Coliform Attainment, Buffalo River

APPENDIX C: SUPPLEMENTAL RESULTS FOR LOWER SCAJAQUADA CREEK AND BLACK ROCK CANAL

The following figures present annual percent attainment results for bacteria water quality standards (WQS) for Black Rock Canal (including Erie Basin) and Lower Scajaquada Creek. One map is provided for each scenario. Attainment results are mapped in color bins such that each successive bin represents an additional month in attainment, with red representing zero to one month in attainment of WQS, and dark blue representing all twelve months in attainment.

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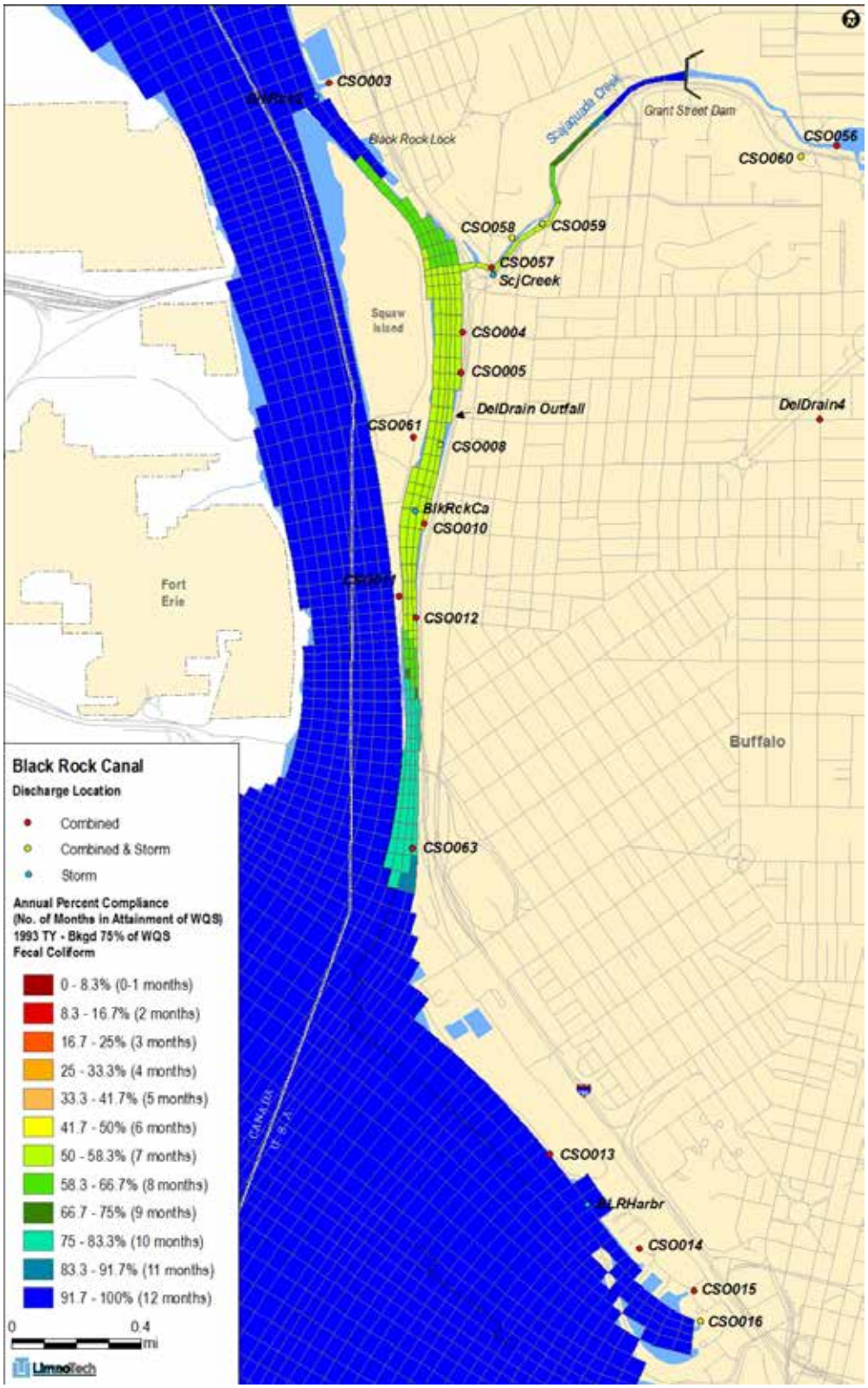

Figure C-1. 1993 – Background 75% of WQS, Annual Percent Fecal Coliform Attainment, Black Rock Canal/Lower Scajaquada Creek (Including Erie Basin)

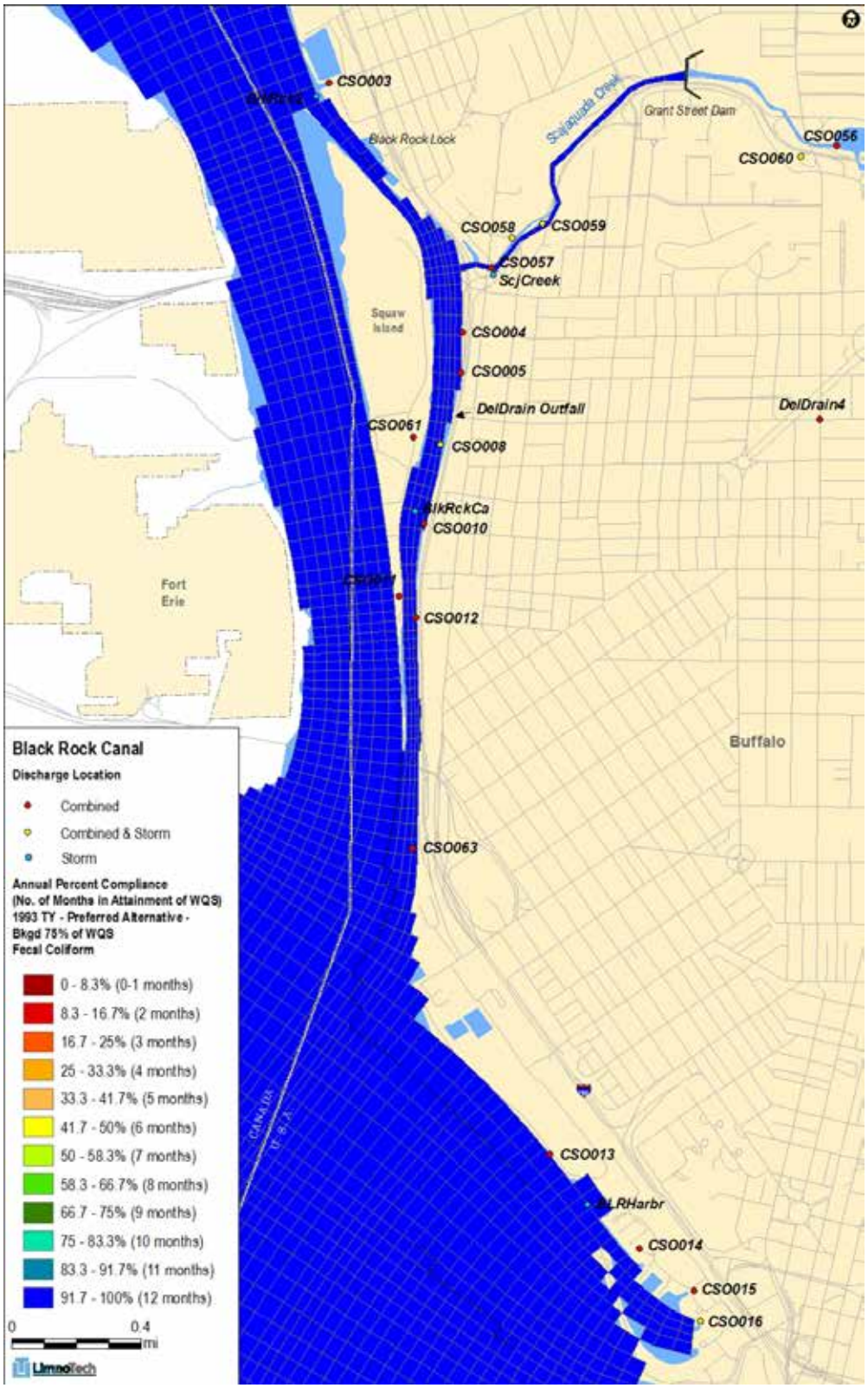

Figure C-2. 1993 – Preferred Alternative, Annual Percent Fecal Coliform Attainment, Black Rock Canal/Lower Scajaquada Creek (Including Erie Basin)

APPENDIX D: SUPPLEMENTAL NIAGARA RIVER MODEL RESULTS

The following figures present annual percent attainment results for bacteria water quality standards (WQS) for the Niagara River. One map is provided for each scenario. Annual percent attainment of WQS was determined to be 100% for both scenarios, so more detailed monthly attainment plots are not provided.

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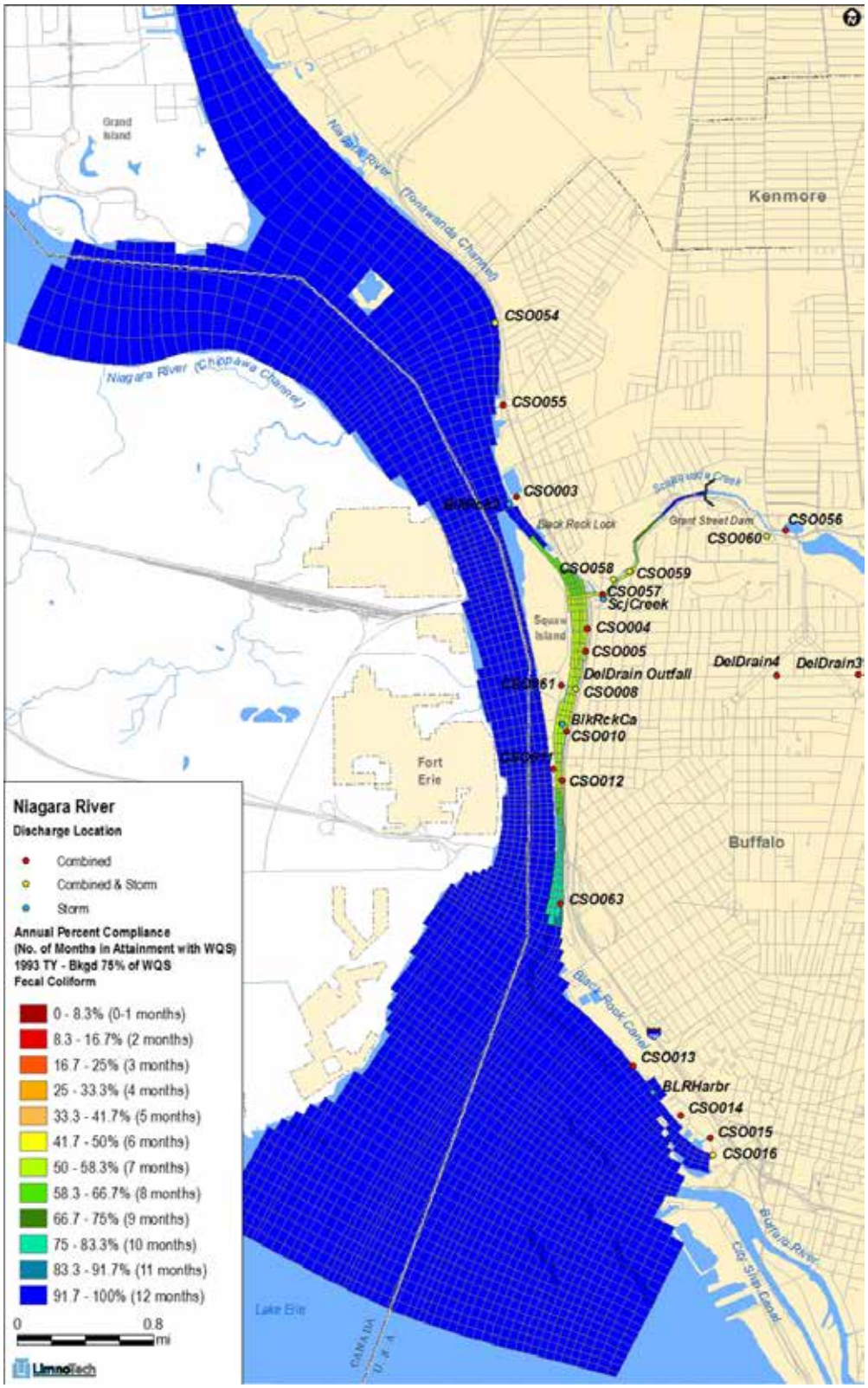


Figure D-1. 1993 – Background 75% of WQS, Annual Percent Fecal Coliform Attainment, Niagara River

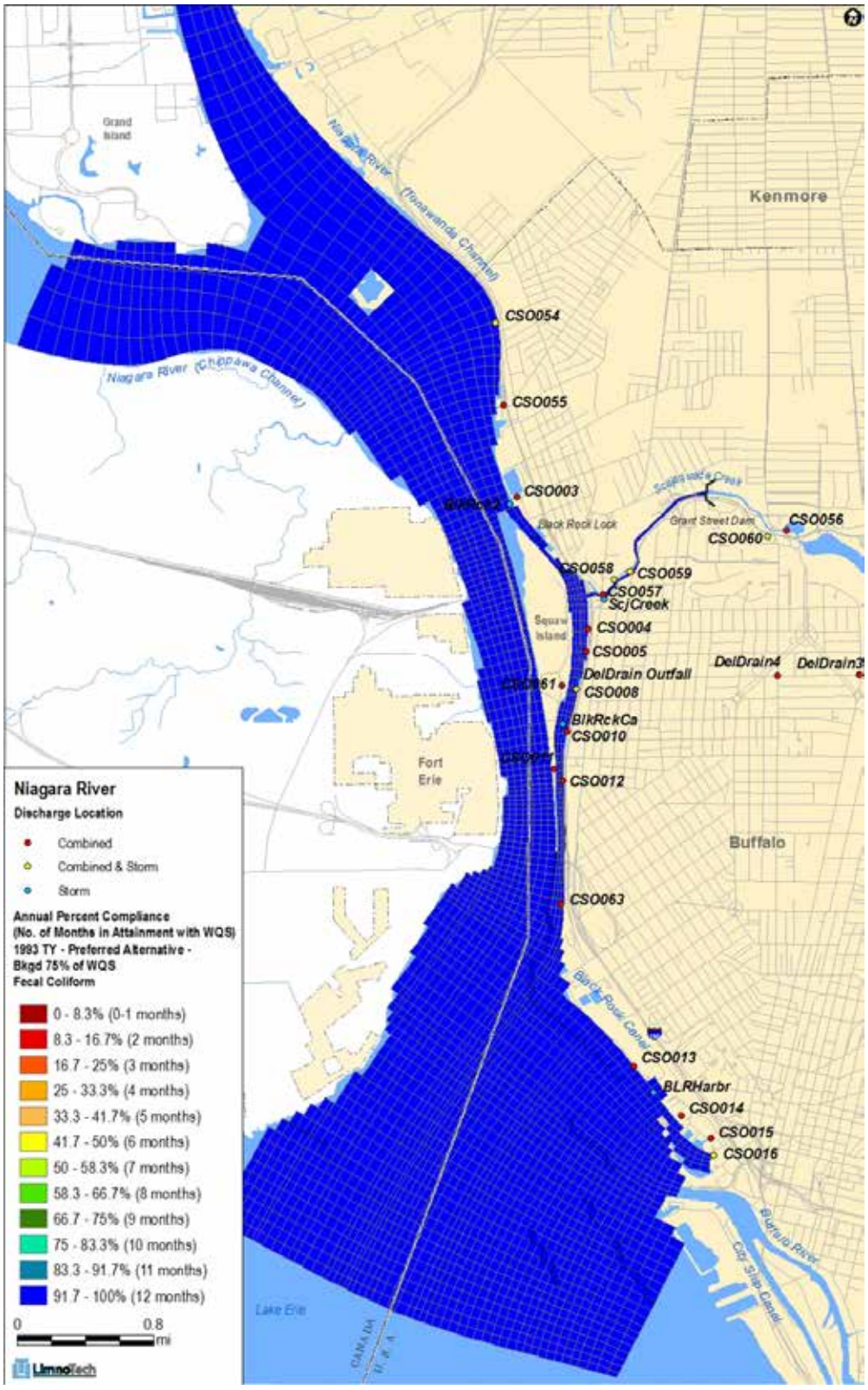


Figure D-2. 1993 – Preferred Alternative, Annual Percent Fecal Coliform Attainment, Niagara River

Comparison of 1993 TY "Baseline – Bkgd 75% of WQS" with "Preferred Alternative", "Preferred Alternative – No GI", "Preferred Alternative – 10% GI", and "Preferred Alternative – Updated GI" Runs

Fecal Coliform Results

DRAFT RESULTS

LimnoTech

November 27, 2013

Scenario Overview

- "Bkgd 75% of WQS"
  - CSO flows and concentrations = existing conditions
  - Background flows (stormwater and upstream) = existing conditions
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL and BOD concentrations set to 75% existing conditions.
- "Preferred Alternative – No GI"
  - CSO flows = correspond to preferred alternative #2, No Green Infrastructure
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL, and BOD concentrations set to 75% existing conditions.

Scenario Overview - Continued

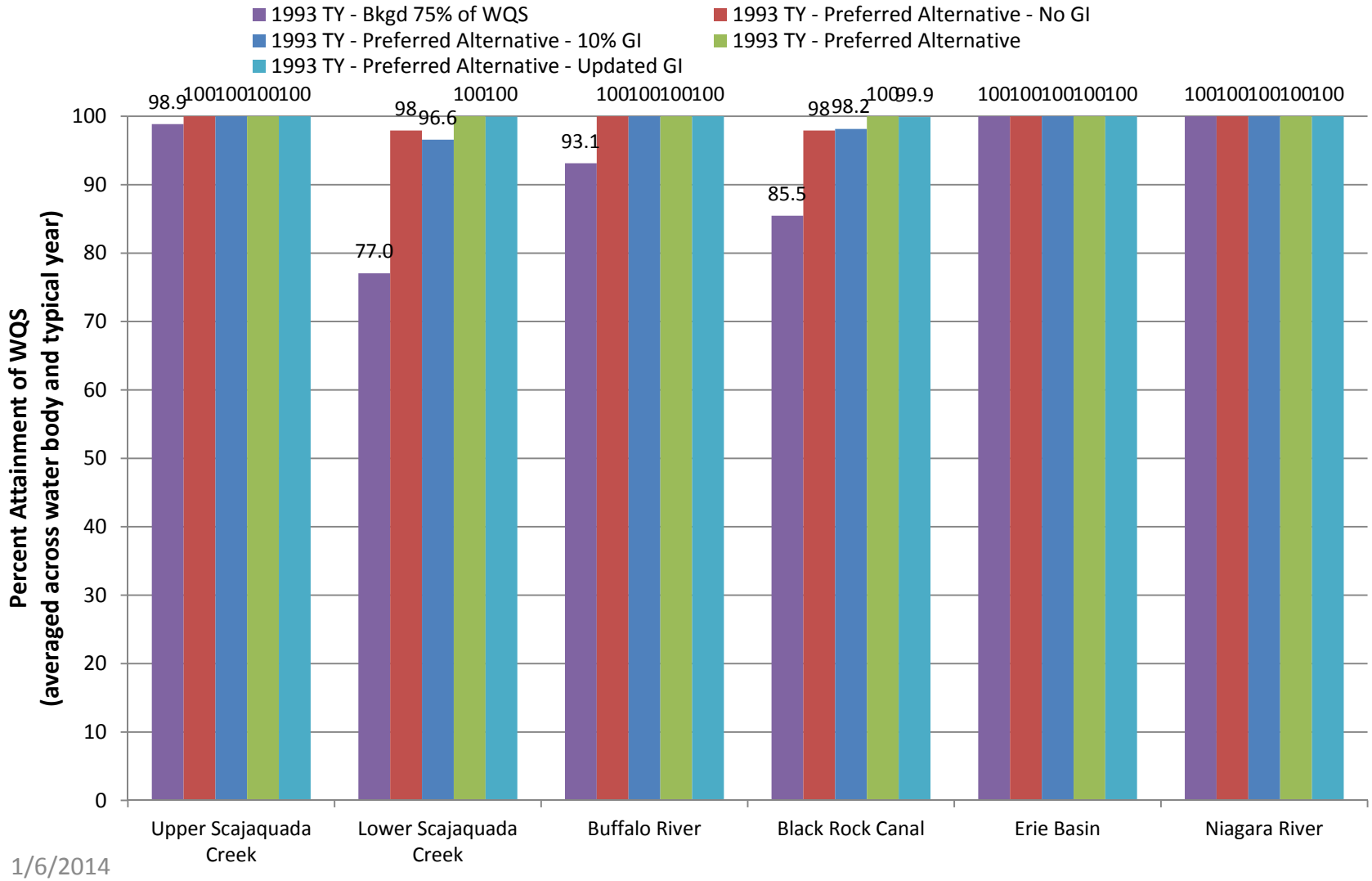
- "Preferred Alternative – 10% GI"
  - CSO flows = correspond to preferred alternative #2, 10% Green Infrastructure
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL, and BOD concentrations set to 75% existing conditions.
- "Preferred Alternative"
  - CSO flows = correspond to preferred alternative #2
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL, and BOD concentrations set to 75% existing conditions.

Scenario Overview - Continued

- "Preferred Alternative – Updated GI"
  - CSO flows = correspond to preferred alternative #2, Updated Green Infrastructure from November 2013
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL, and BOD concentrations set to 75% existing conditions.

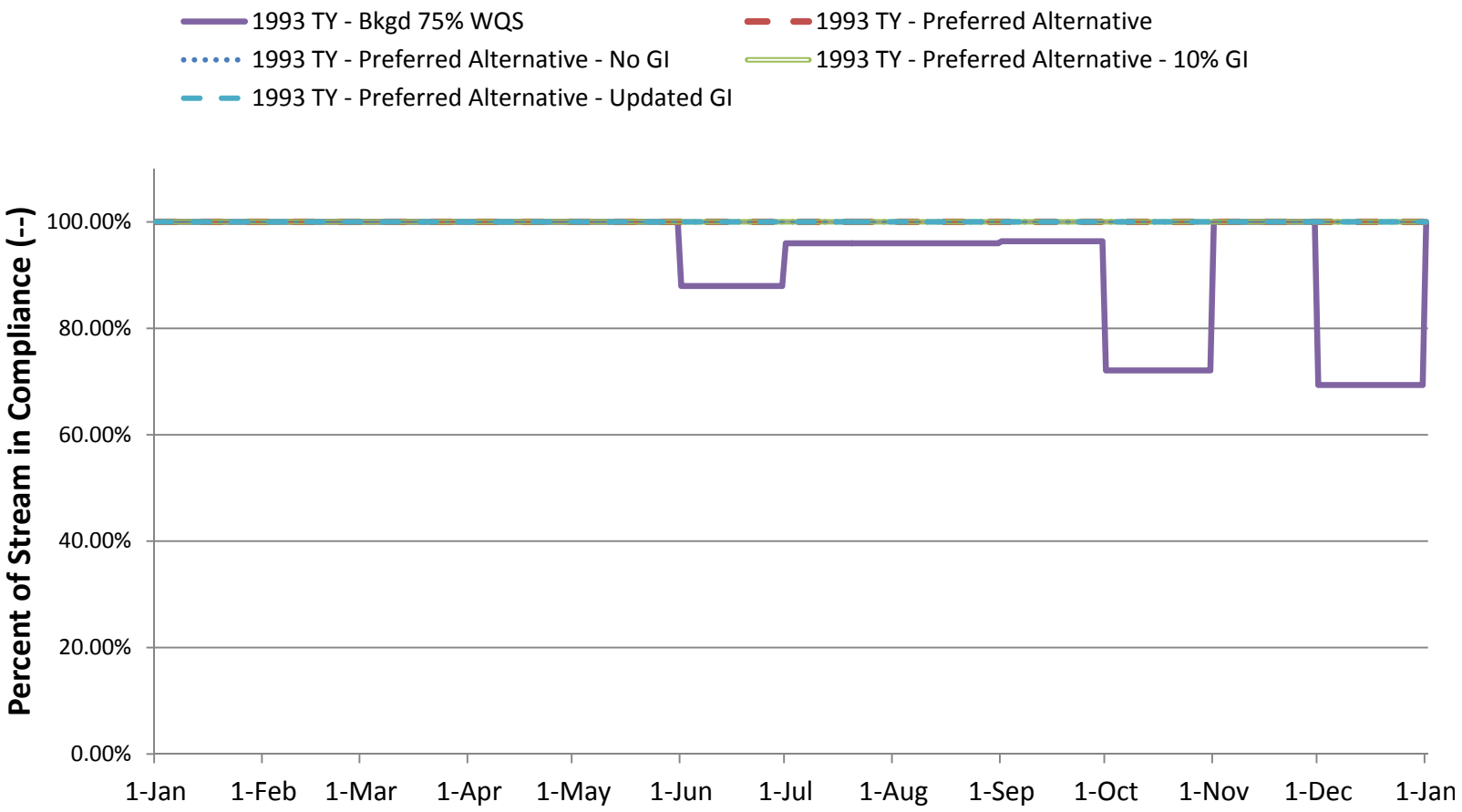
Summary of Percent Attainment for 1993 TY - Baseline - Bkgd 75% of WQS vs. Preferred Alternative Variations (Fecal Coliform)

TYPICAL YEAR (Jan 1 - Dec 31)



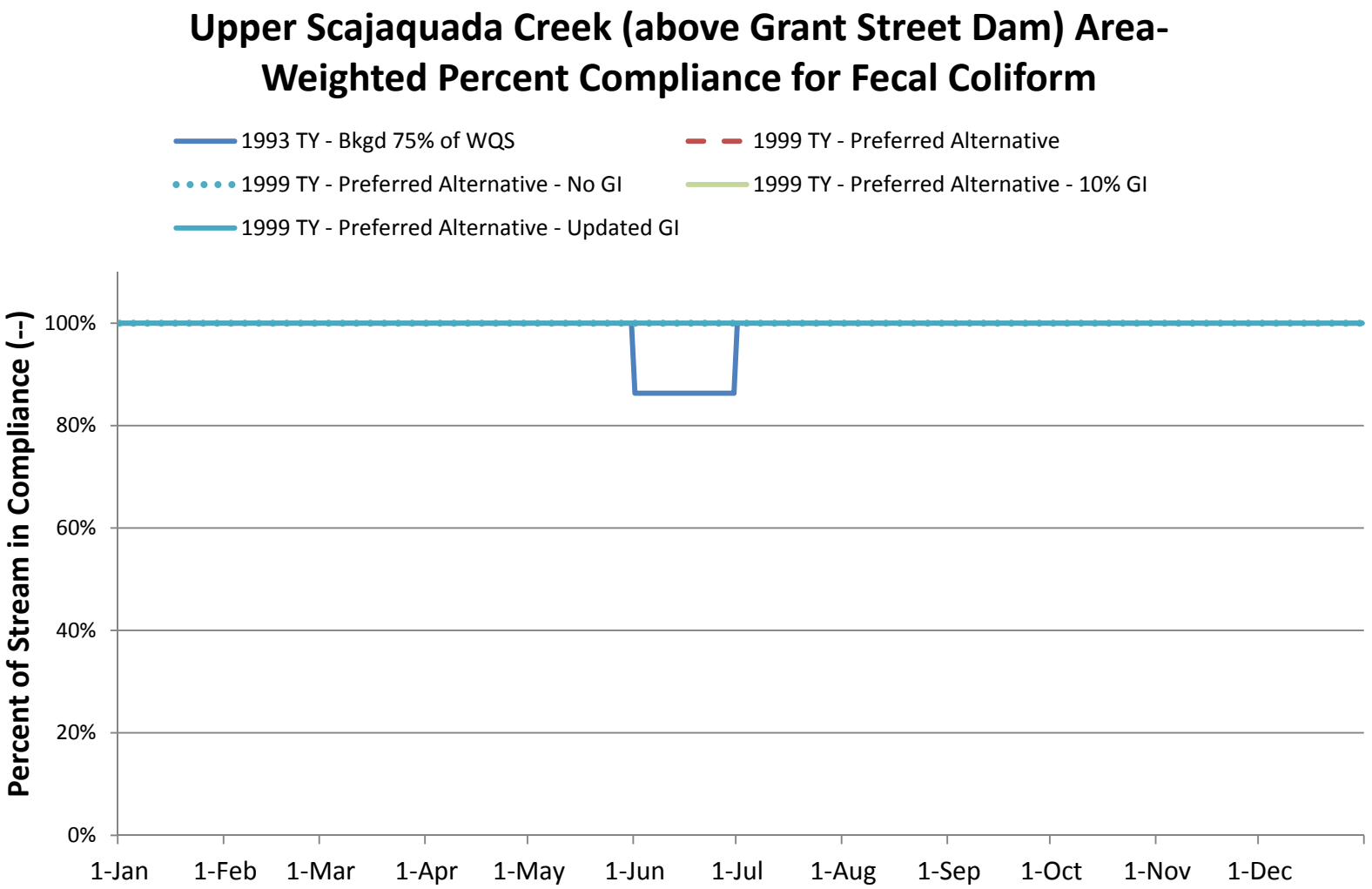
TEMPORAL OUTPUT

Buffalo River Temporal Output (Bacteria)



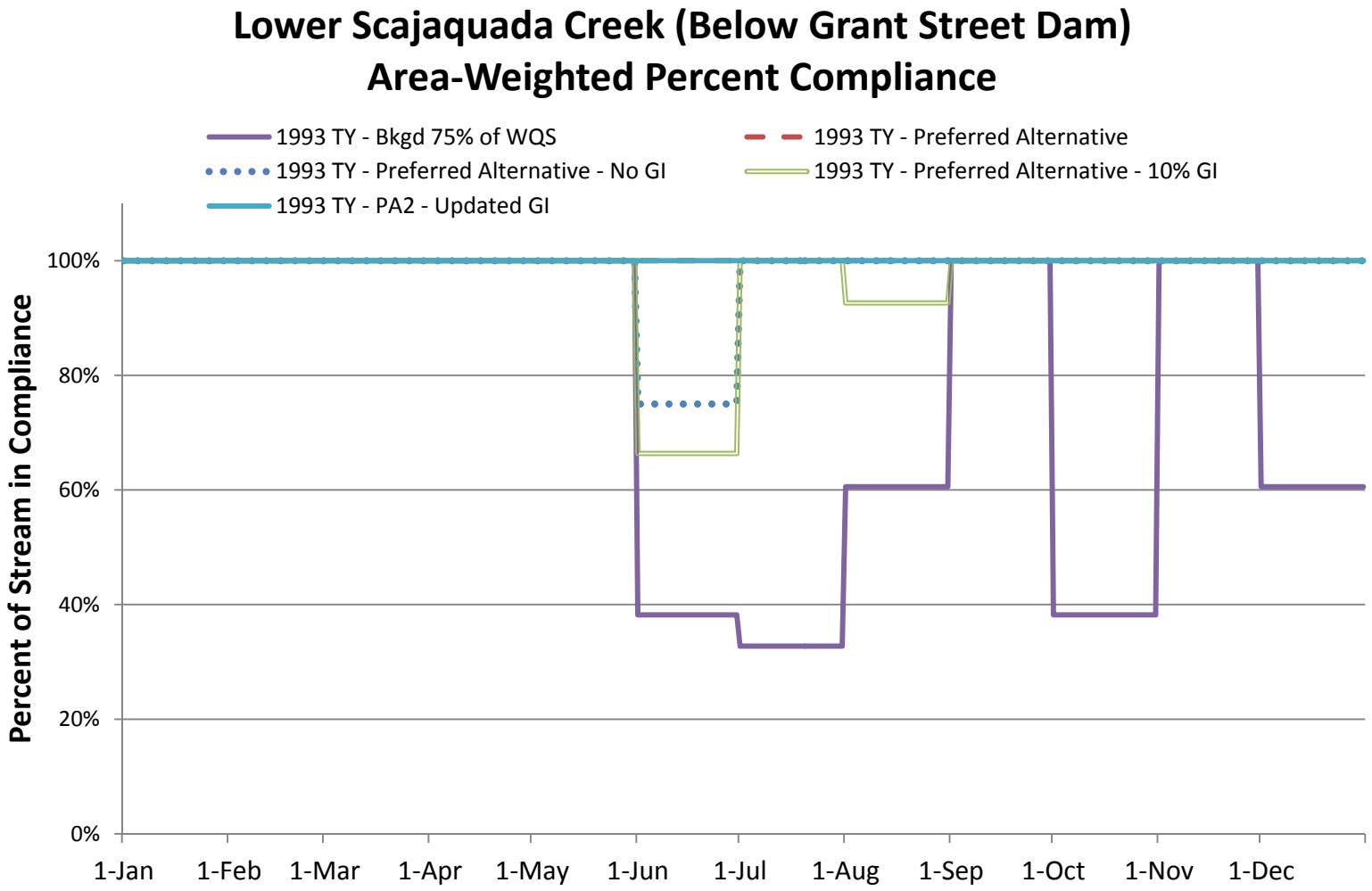
DRAFT: Interim results not for final agency submittal

Upper Scajaquada Cr. Temporal Output (Bacteria)



DRAFT: Interim results not for final agency submittal

Lower Scajaquada Cr. Temporal Output (Bacteria)



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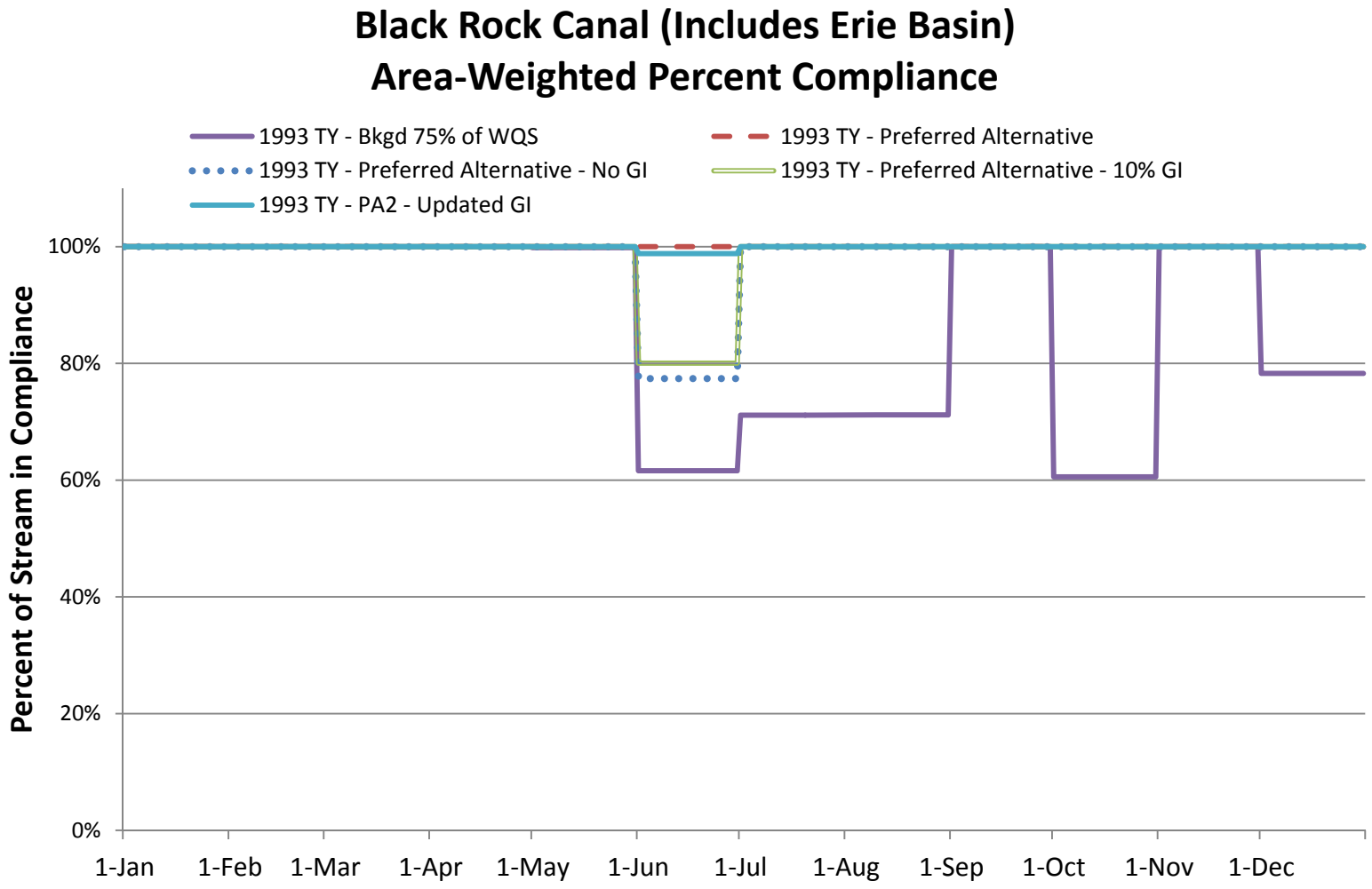
Black Rock Canal Temporal Output (Bacteria)



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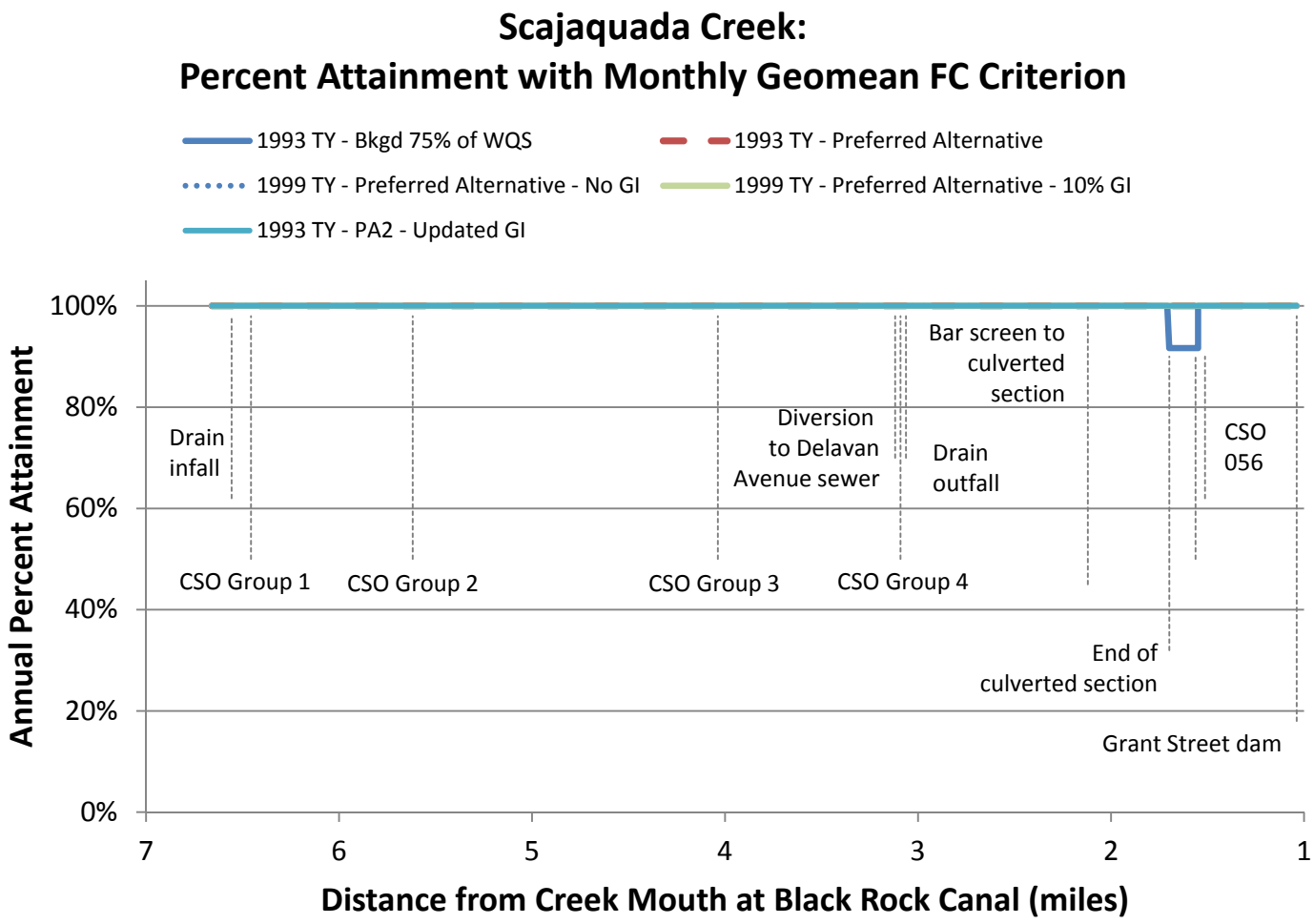
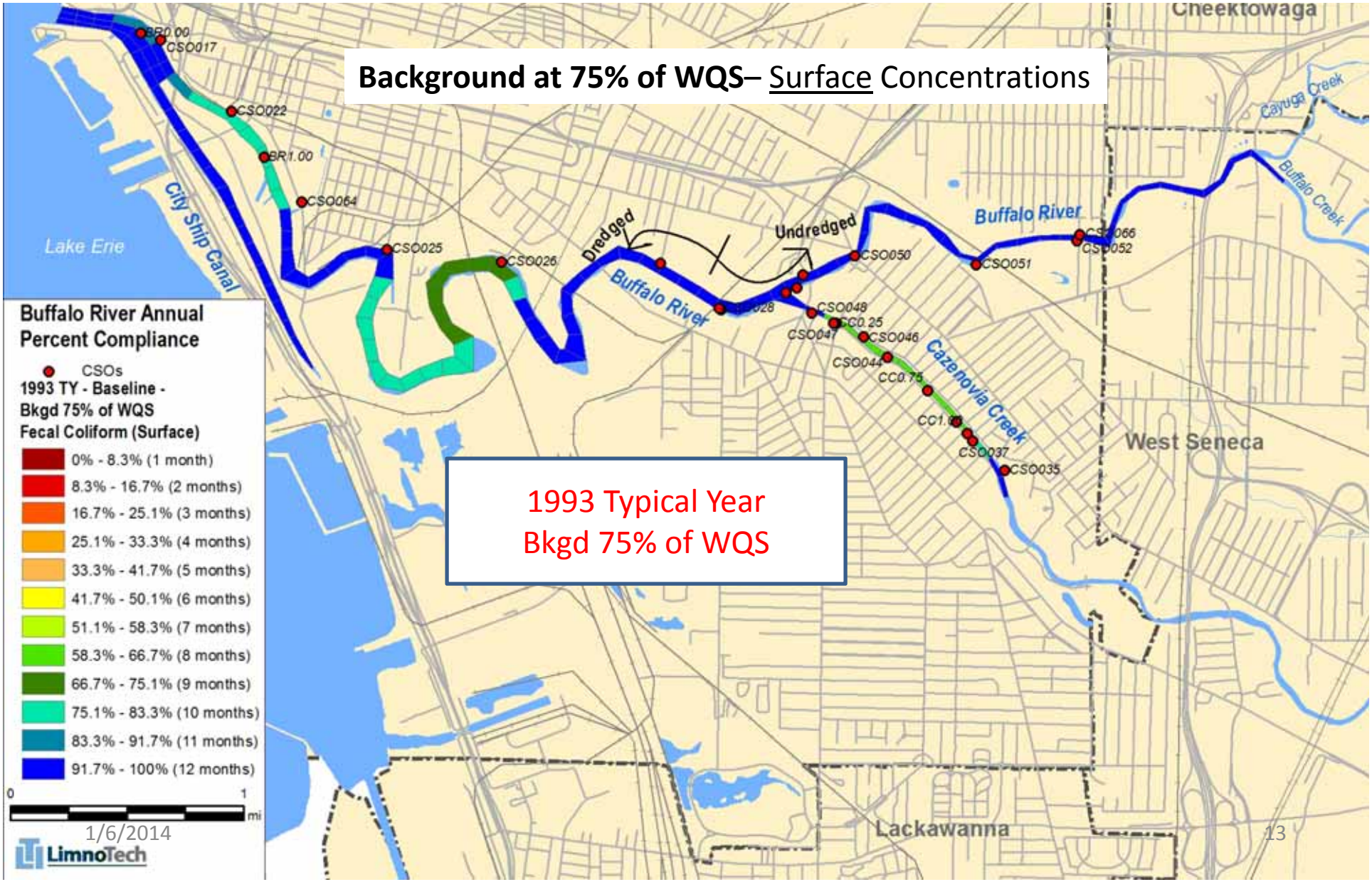
SPATIAL OUTPUT

Upper Scajaquada Cr. Spatial Output (Bacteria)

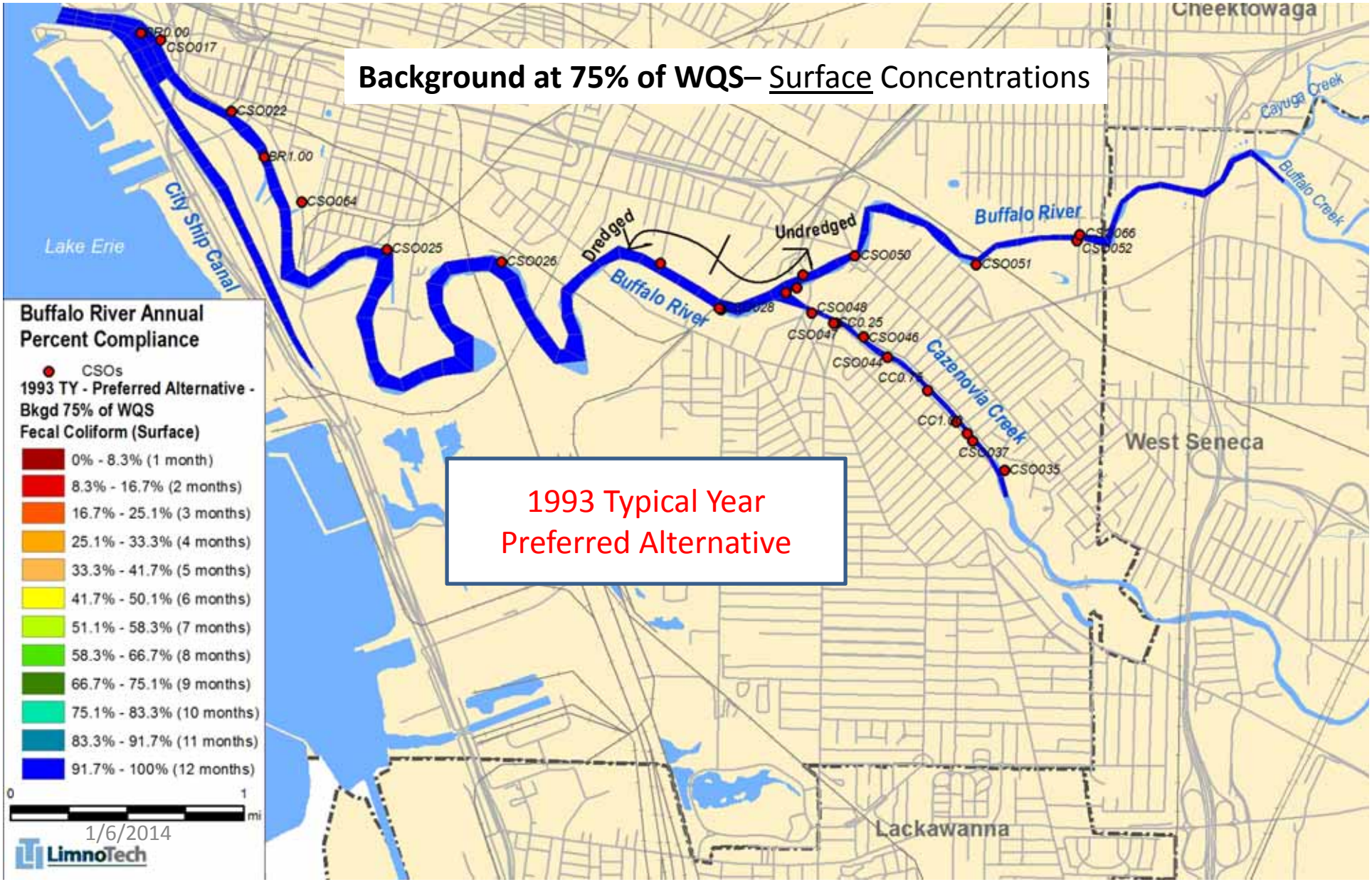


DRAFT: Interim results not for final agency submittal

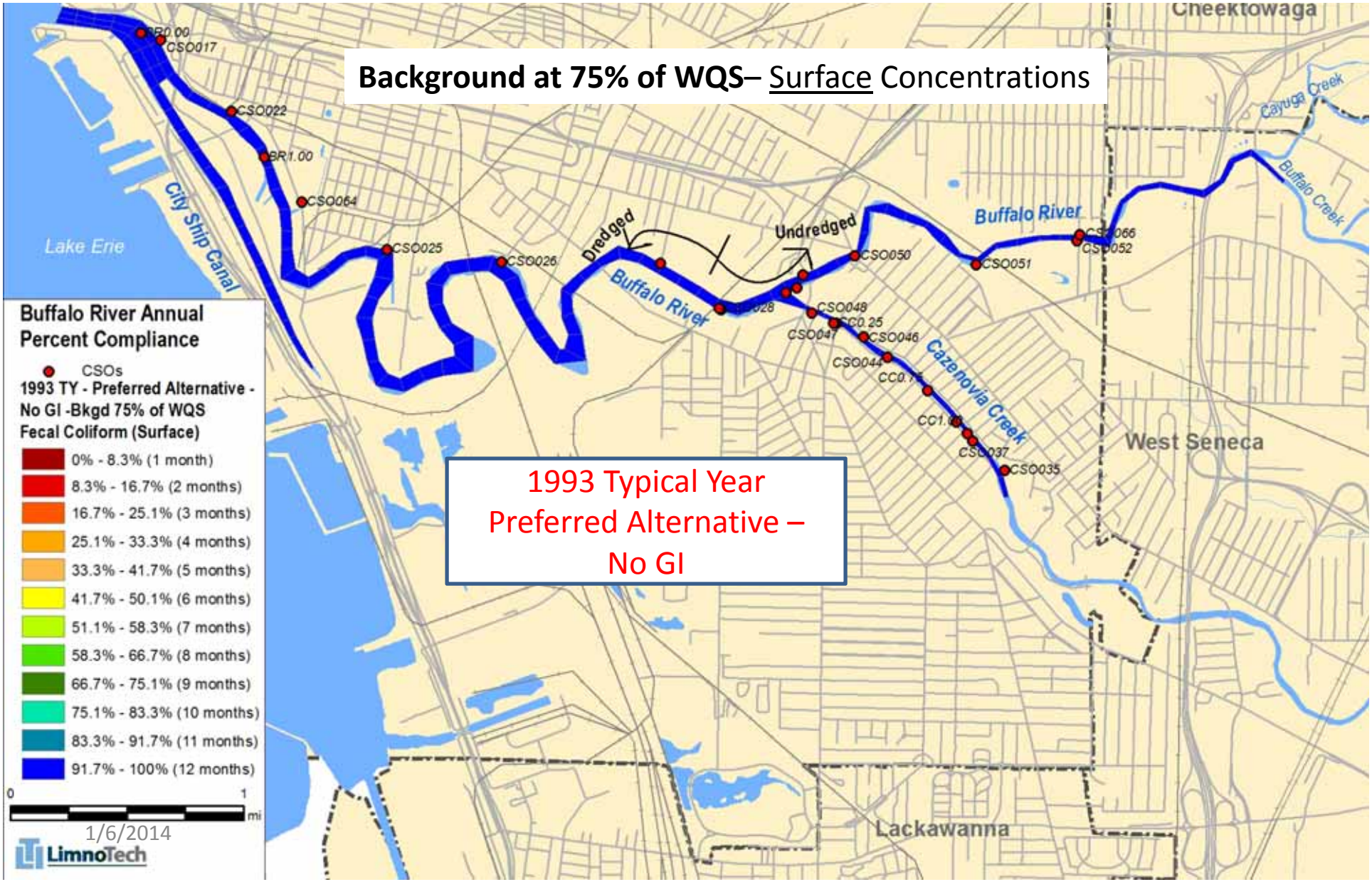
Buffalo River Fecal Coliform: Monthly Geomean ≤ 200 #/100 mL



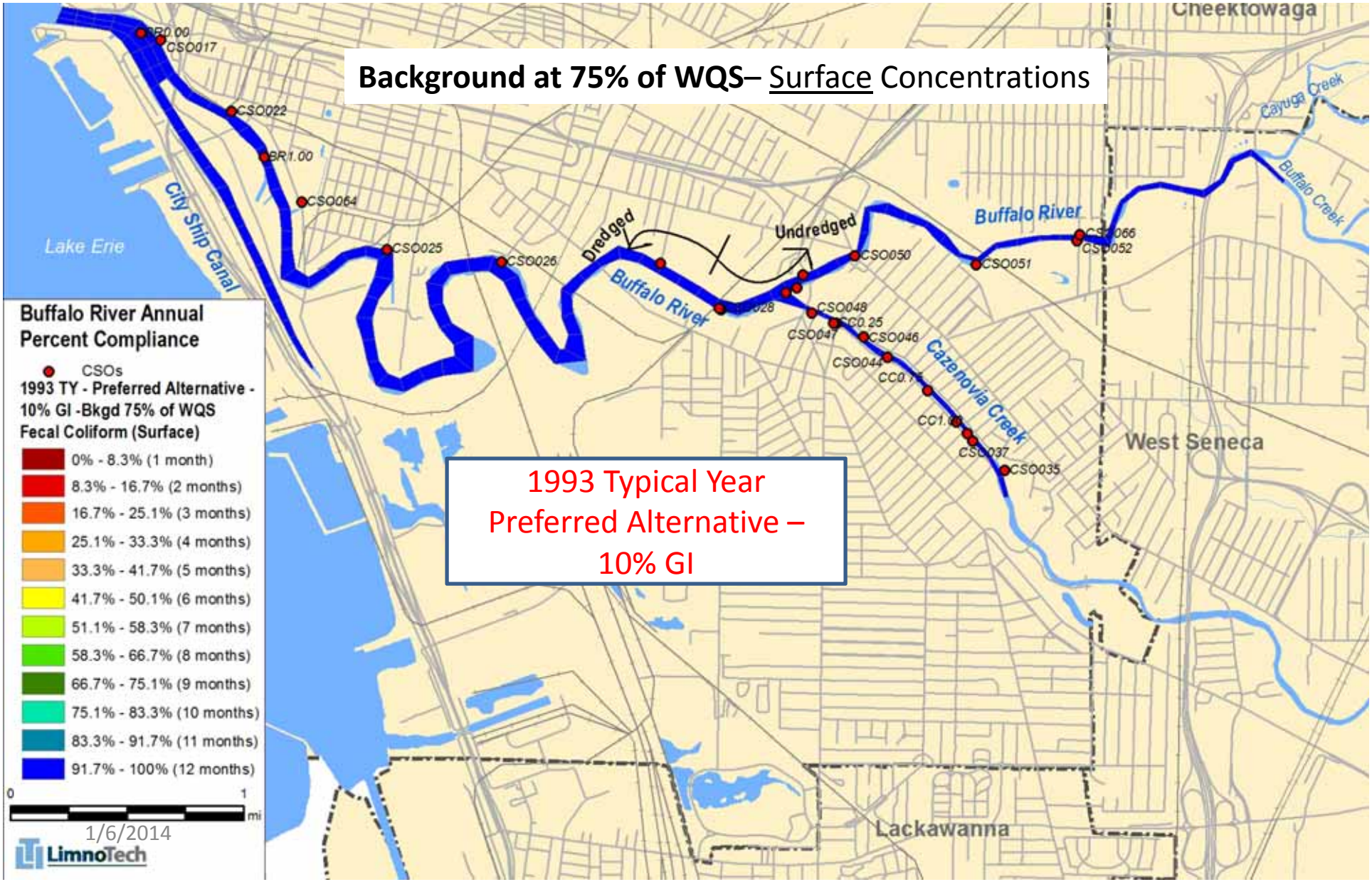
Buffalo River Fecal Coliform: Monthly Geomean ≤ 200 #/100 mL



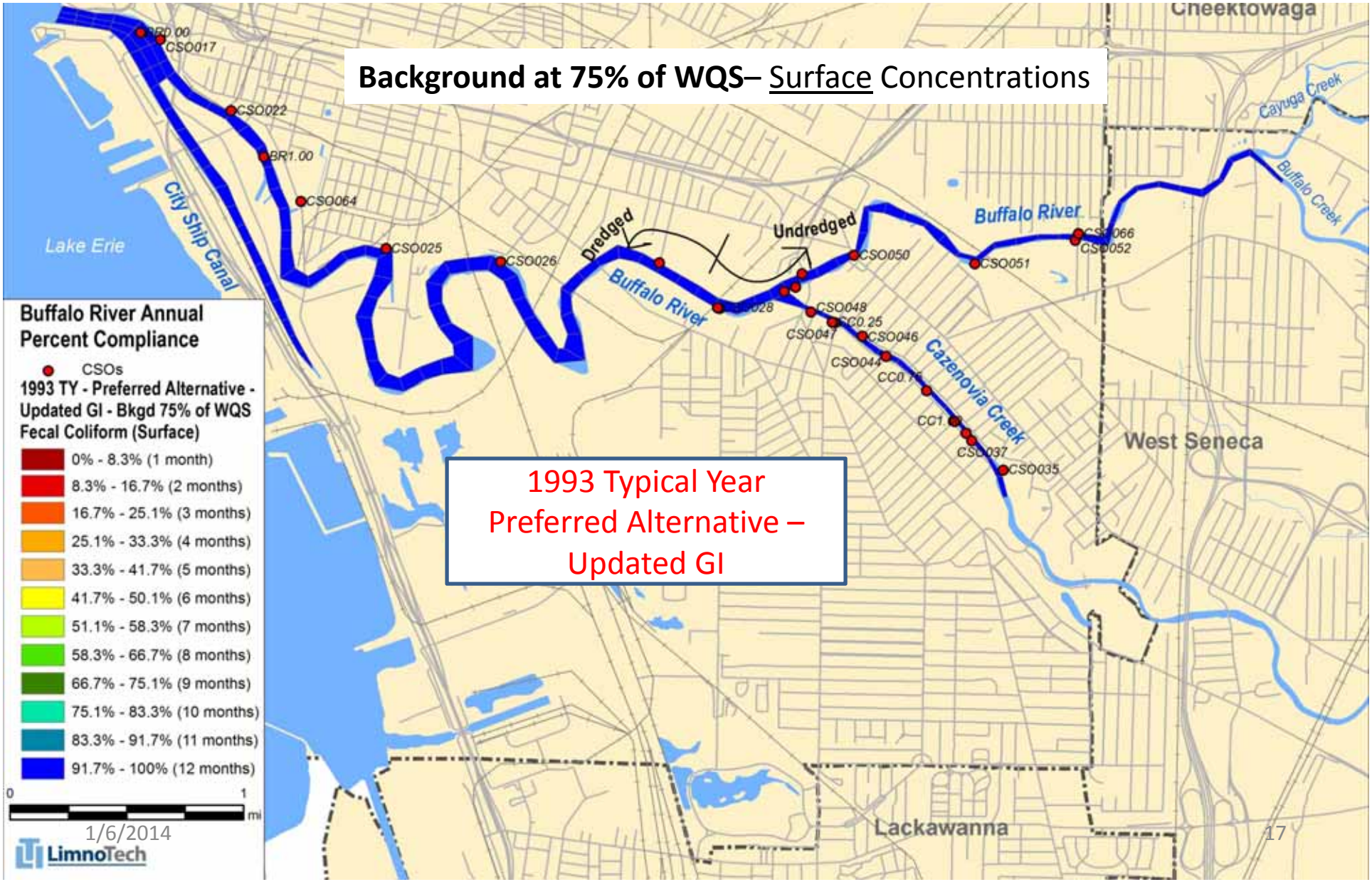
Buffalo River Fecal Coliform: Monthly Geomean ≤ 200 #/100 mL

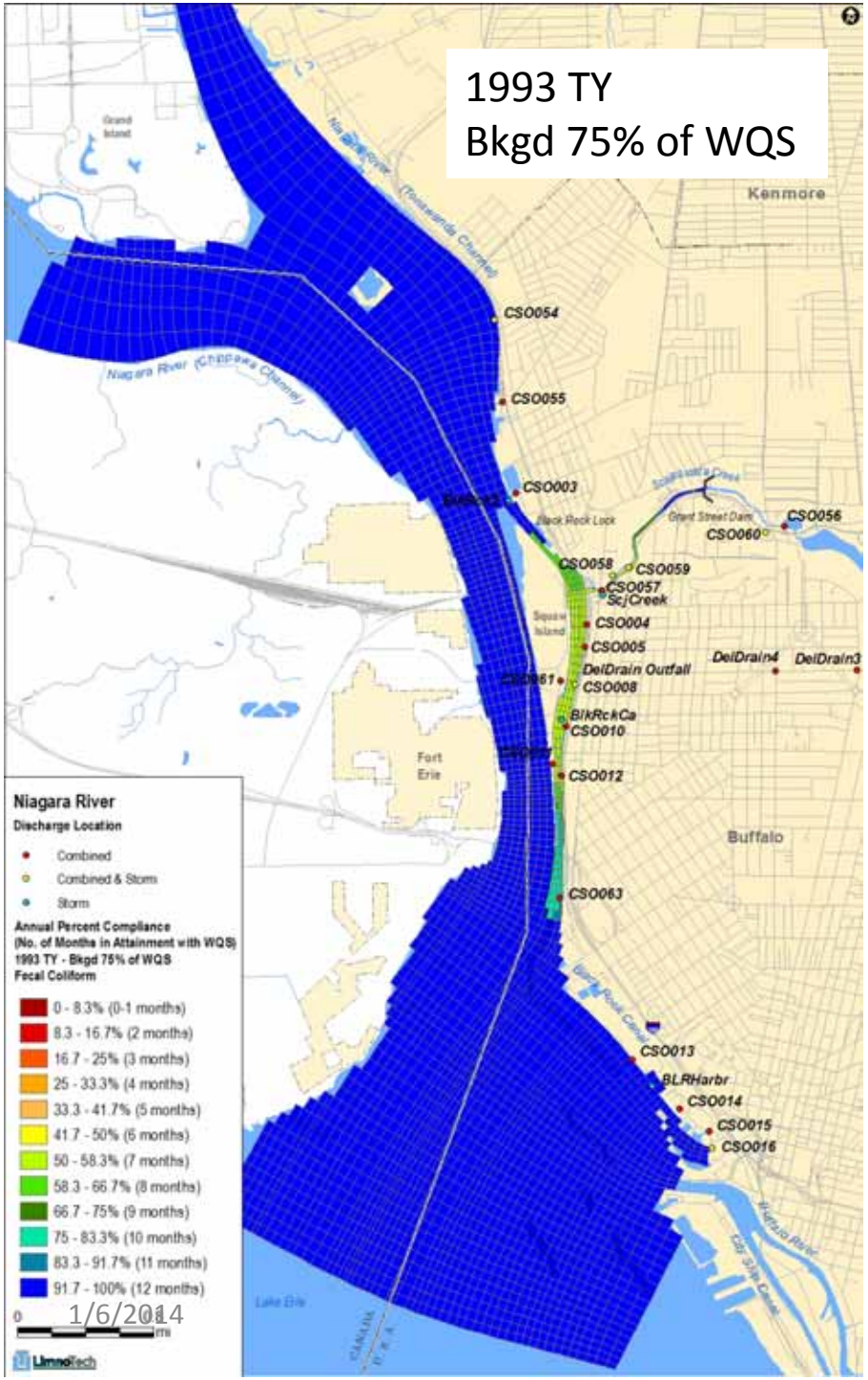


Buffalo River Fecal Coliform: Monthly Geomean ≤ 200 #/100 mL



Buffalo River Fecal Coliform: Monthly Geomean ≤ 200 #/100 mL




1993 TY
Bkgd 75% of WQS
Kenmore
Buffalo
Fort Erie
Niagara River (Chippawa Channel)
Niagara River (Tonawanda Channel)
Lake Erie
CSO054
CSO055
CSO003
CSO056
CSO060
CSO058
CSO059
CSO057
Sc/Creek
CSO004
CSO005
DelDrain4
DelDrain3
DelDrain Outfall
CSO008
BlkRckCa
CSO010
CSO012
CSO063
CSO013
BLRHarbr
CSO014
CSO015
CSO016
Black Rock Lock
Grant Street Dam
Niagara River
Discharge Location
Combined
Combined & Storm
Storm
Annual Percent Compliance
(No. of Months in Attainment with WQS)
1993 TY - Bkgd 75% of WQS
Fecal Coliform
0 - 8.3% (0-1 months)
8.3 - 16.7% (2 months)
16.7 - 25% (3 months)
25 - 33.3% (4 months)
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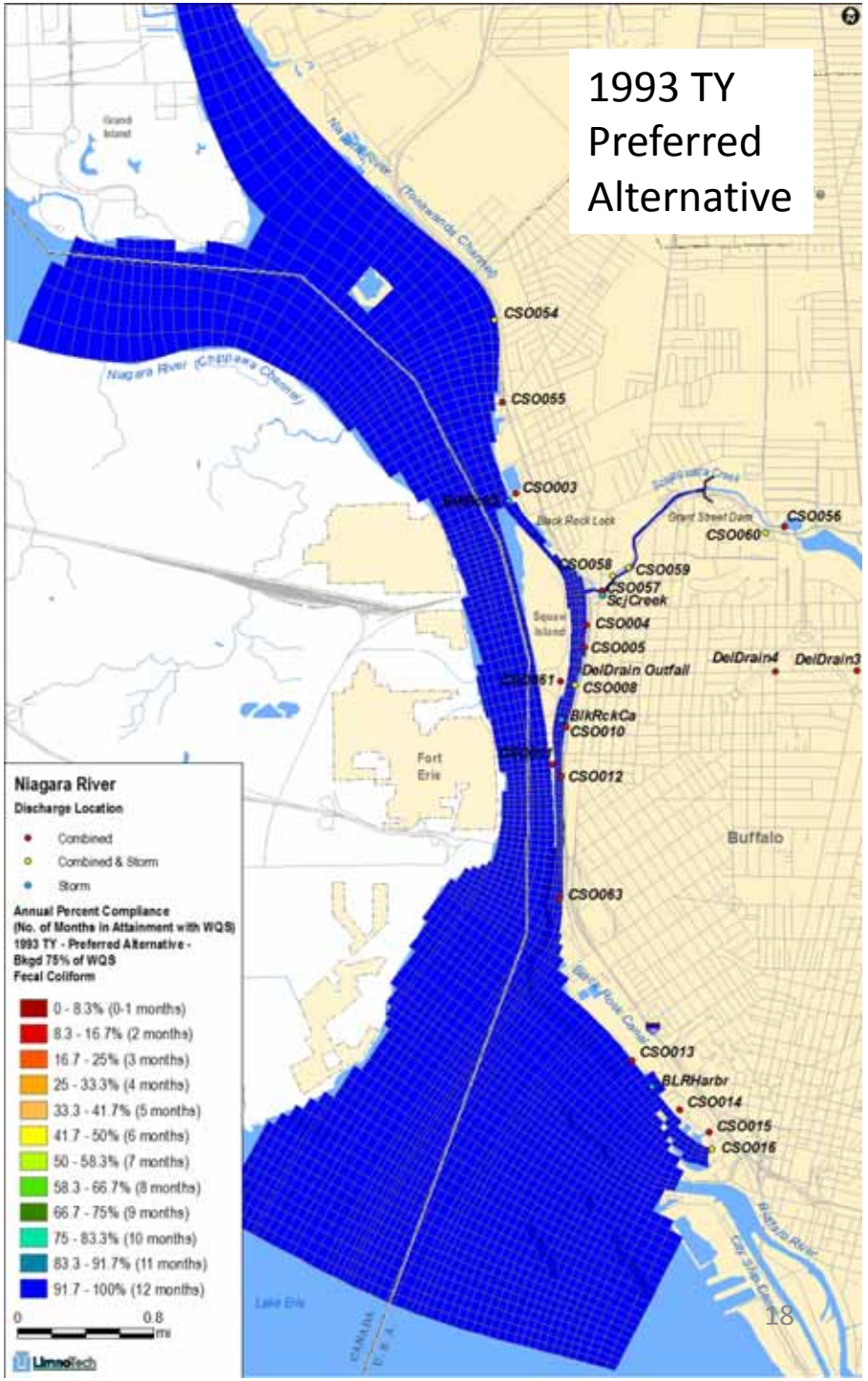
66.7 - 75% (9 months)
75 - 83.3% (10 months)
83.3 - 91.7% (11 months)
91.7 - 100% (12 months)
0
mi
LimnoTech


1993 TY
Preferred
Alternative
Kenmore
Buffalo
Fort Erie
Niagara River (Chippawa Channel)
Niagara River (Tonawanda Channel)
Lake Erie
CSO054
CSO055
CSO003
CSO056
CSO060
CSO058
CSO059
CSO057
Sc/Creek
CSO004
CSO005
DelDrain4
DelDrain3
DelDrain Outfall
CSO008
BlkRckCa
CSO010
CSO012
CSO063
CSO013
BLRHarbr
CSO014
CSO015
CSO016
Black Rock Lock
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Niagara River
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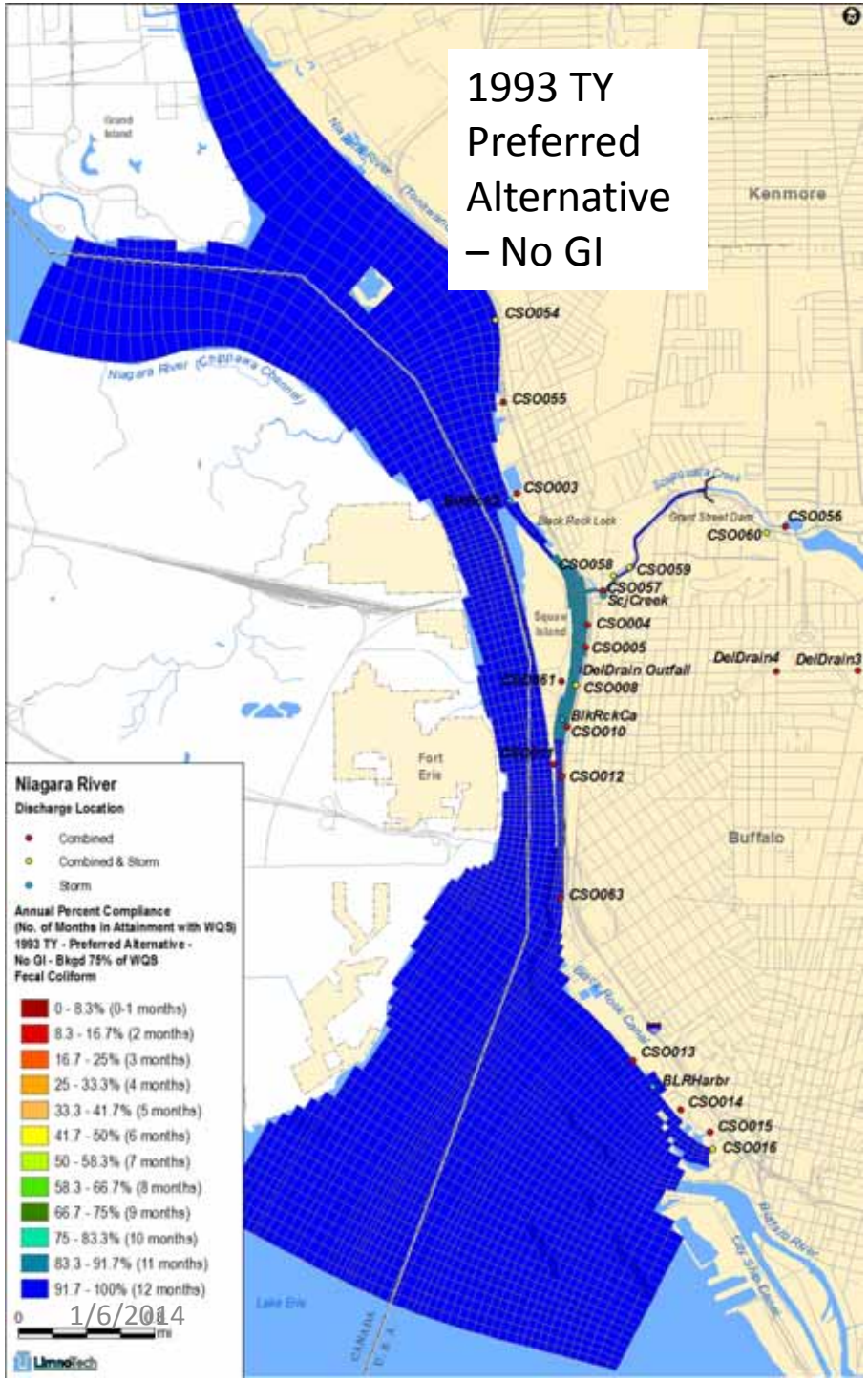
75 - 83.3% (10 months)
83.3 - 91.7% (11 months)
91.7 - 100% (12 months)
0
0.8
mi
LimnoTech


1993 TY Preferred Alternative – No GI
Kenmore
Buffalo
Fort Erie
Niagara River (Chippawa Channel)
Black Rock Lock
Grant Street Dam
Squaw Island
Lake Erie
CSO054
CSO055
CSO003
CSO056
CSO060
CSO058
CSO059
CSO057
ScjCreek
CSO004
CSO005
DelDrain Outfall
CSO008
DelDrain4
DelDrain3
BlkRckCa
CSO010
CSO012
CSO063
CSO013
BLRHarbr
CSO014
CSO015
CSO016
Niagara River
Discharge Location
Combined
Combined & Storm
Storm
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(No. of Months in Attainment with WQS)
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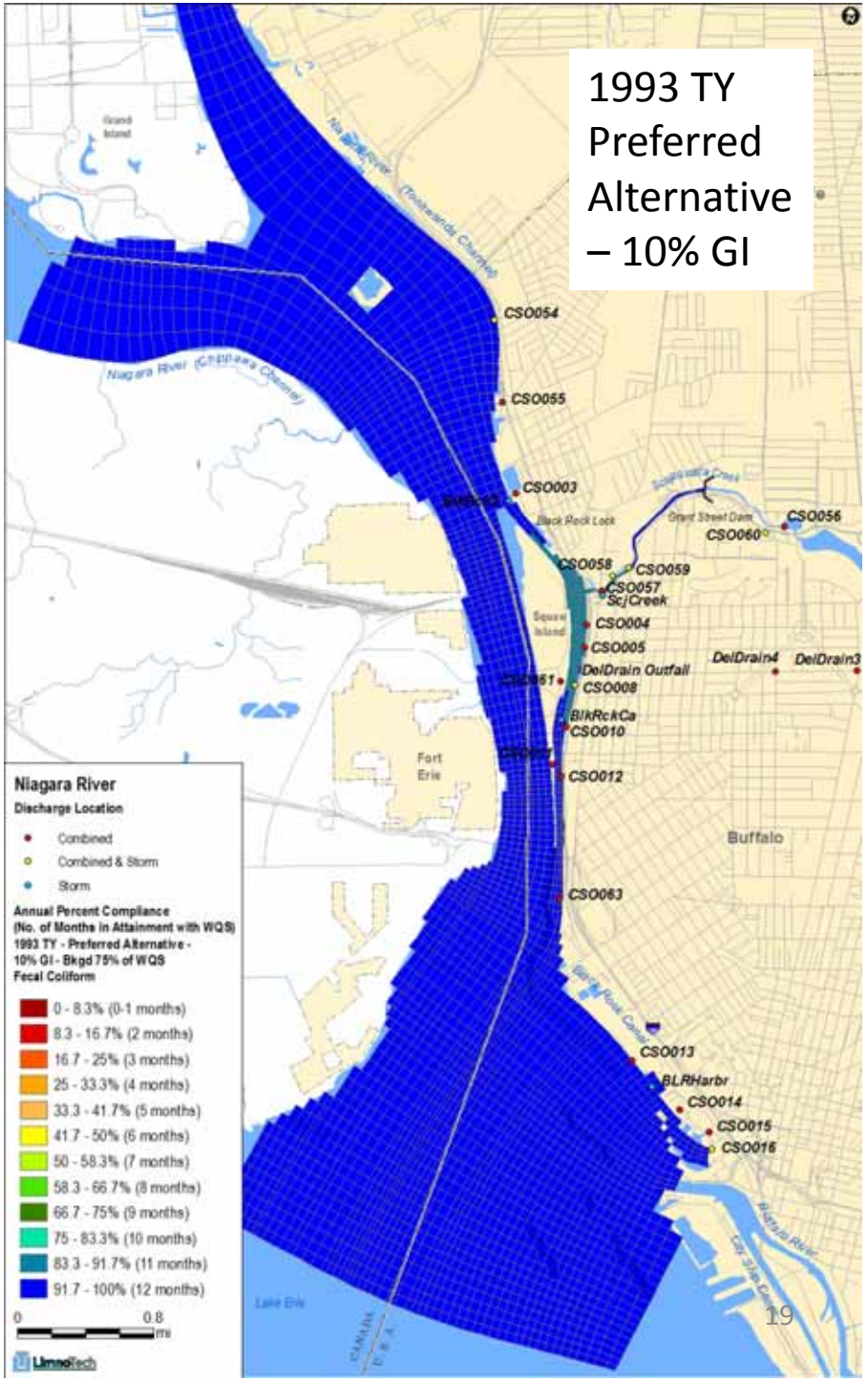
0
mi
LimnoTech


1993 TY Preferred Alternative – 10% GI
Buffalo
Fort Erie
Niagara River (Chippawa Channel)
Black Rock Lock
Grant Street Dam
Squaw Island
Lake Erie
CSO054
CSO055
CSO003
CSO056
CSO060
CSO058
CSO059
CSO057
ScjCreek
CSO004
CSO005
DelDrain Outfall
CSO008
DelDrain4
DelDrain3
BlkRckCa
CSO010
CSO012
CSO063
CSO013
BLRHarbr
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Niagara River
Discharge Location
Combined
Combined & Storm
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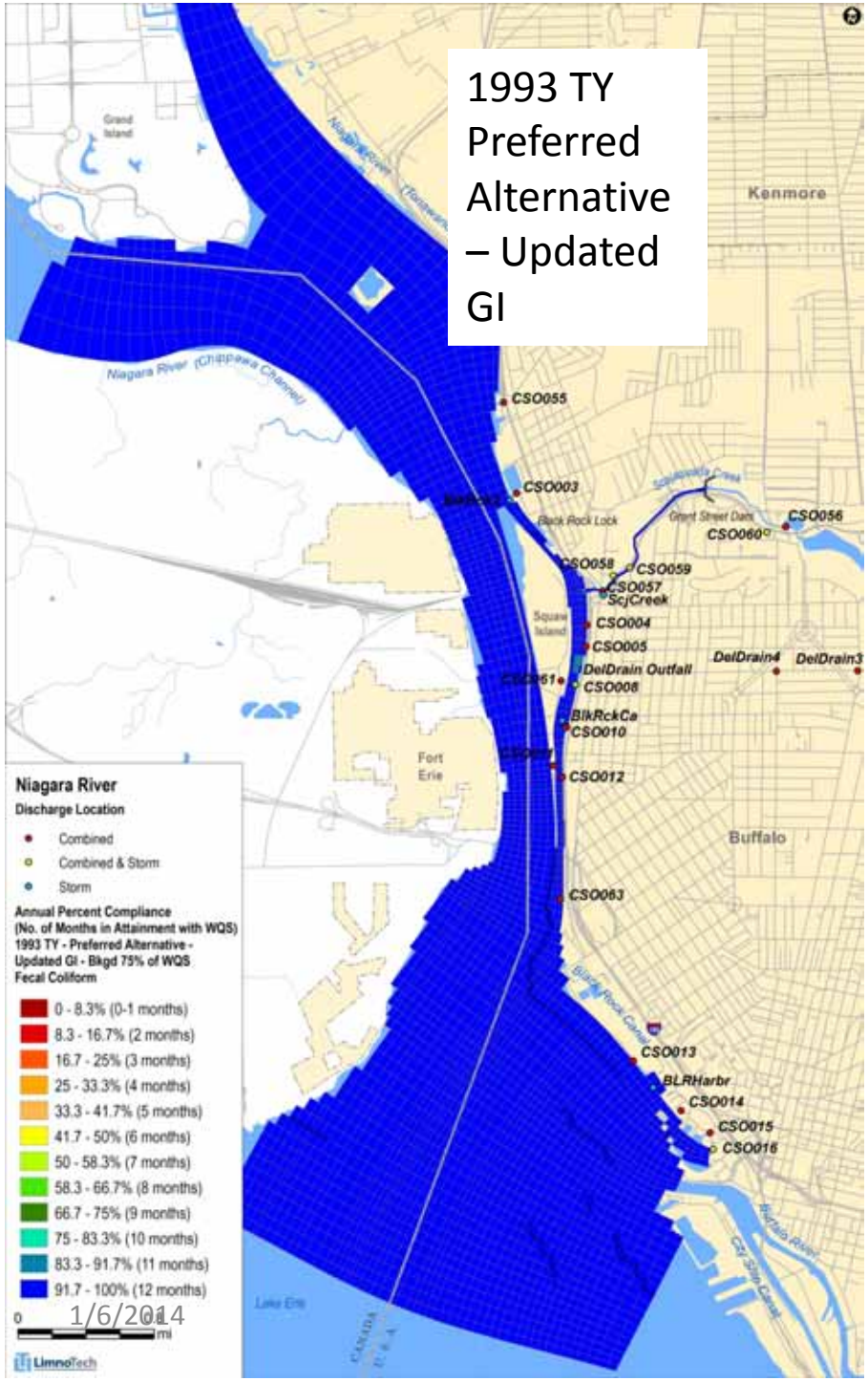
91.7 - 100% (12 months)
0
0.8
mi
LimnoTech


1993 TY Preferred Alternative – Updated GI
Kenmore
Buffalo
Fort Erie
Grand Island
Niagara River (Chippewa Channel)
Black Rock Lock
Grant Street Dam
Squaw Island
Lake Erie
CSO055
CSO003
CSO056
CSO060
CSO058
CSO059
CSO057
ScjCreek
CSO004
CSO005
DelDrain Outfall
CSO008
DelDrain4
DelDrain3
BlkRckCa
CSO010
CSO012
CSO063
CSO013
BLRHarbr
CSO014
CSO015
CSO016
Niagara River
Discharge Location
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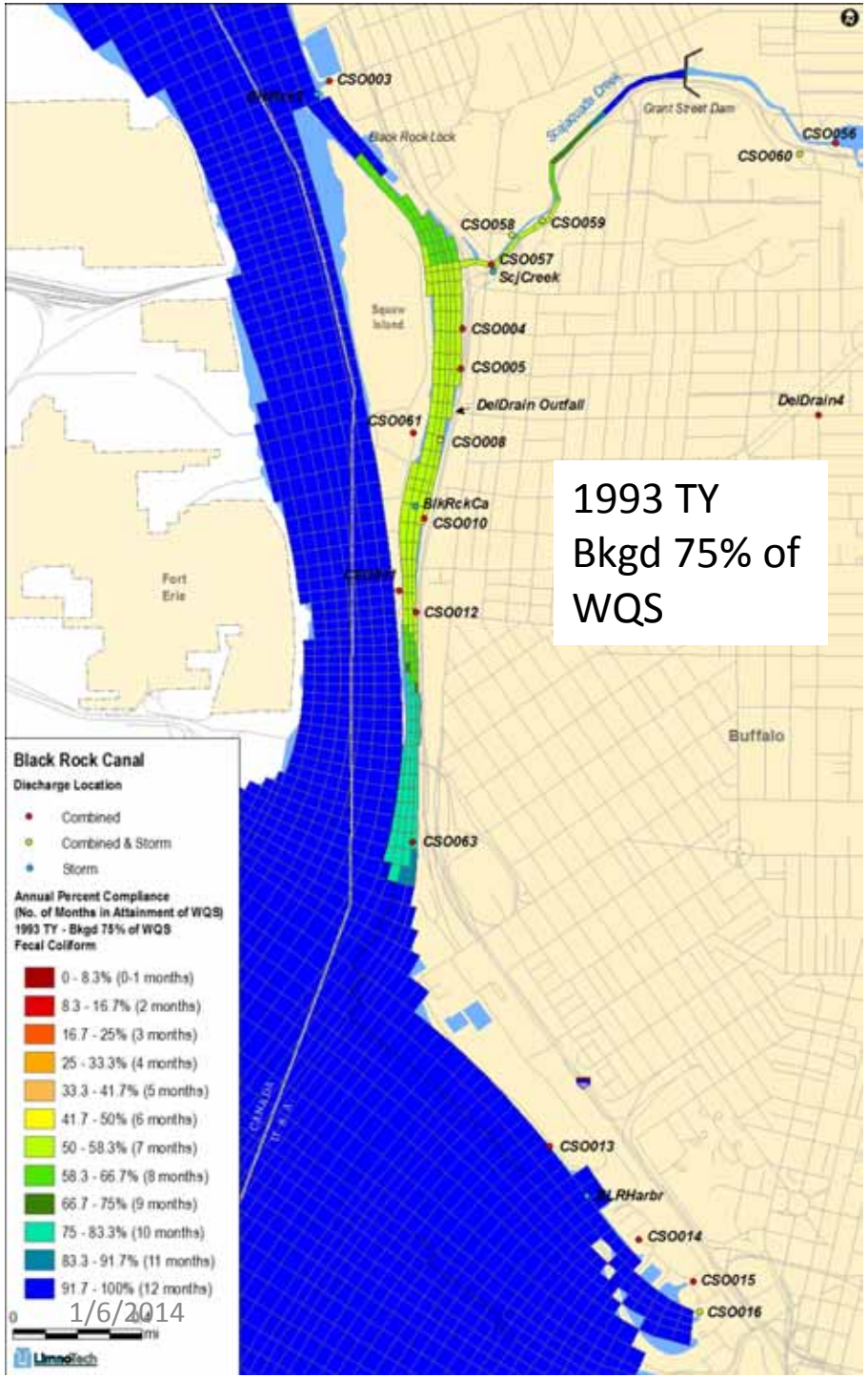
91.7 - 100% (12 months)
0
mi
LimnoTech


CSO003
Black Rock Lock
Scajaquada Drwy
Grant Street Dam
CSO056
CSO060
CSO058
CSO059
CSO057
Sc/Creek
Squaw Island
CSO004
CSO005
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CSO061
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CSO010
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Buffalo
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Bkgd 75% of
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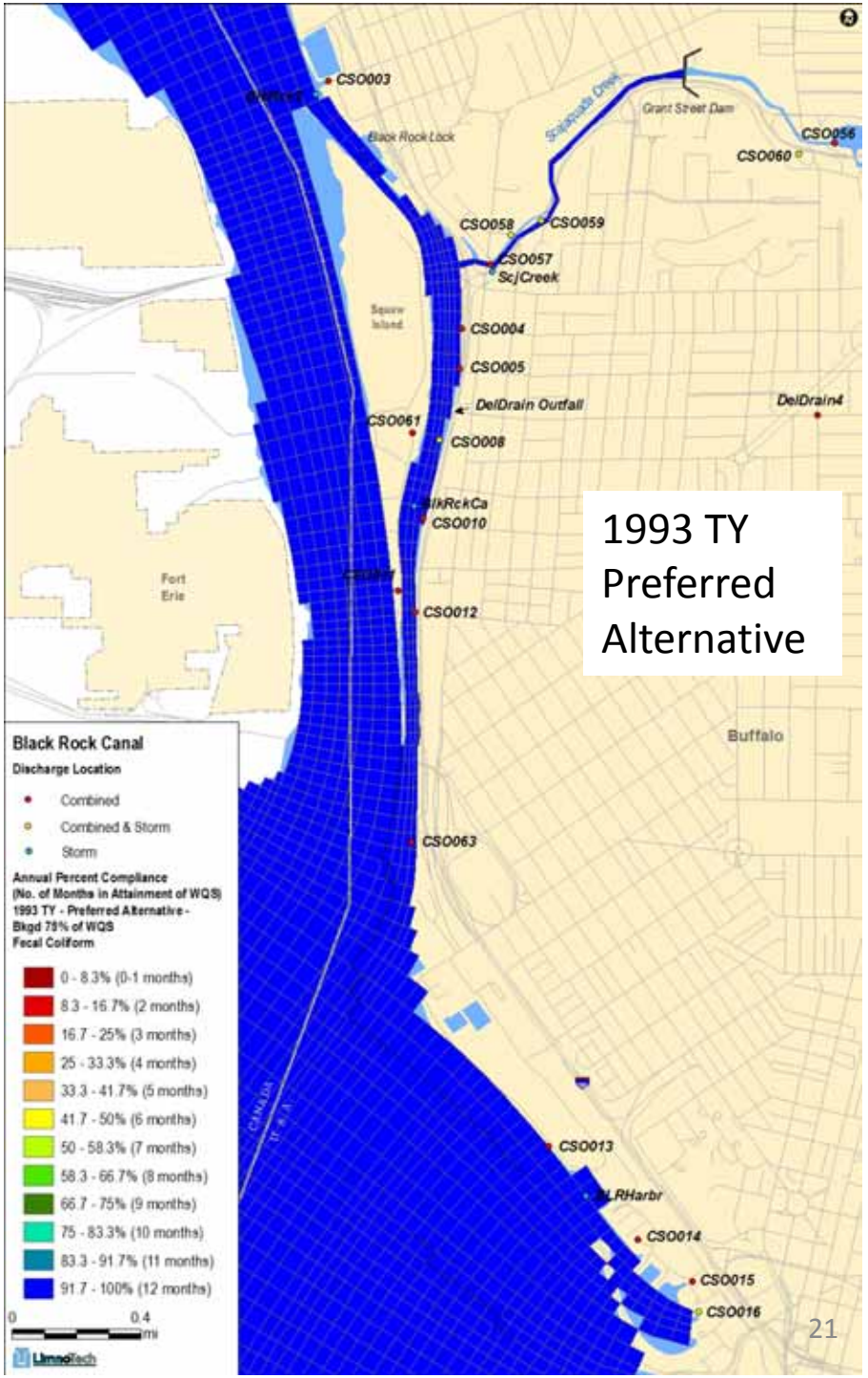
2
mi
LimnoTech


CSO003
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1993 TY
Preferred
Alternative
Black Rock Canal
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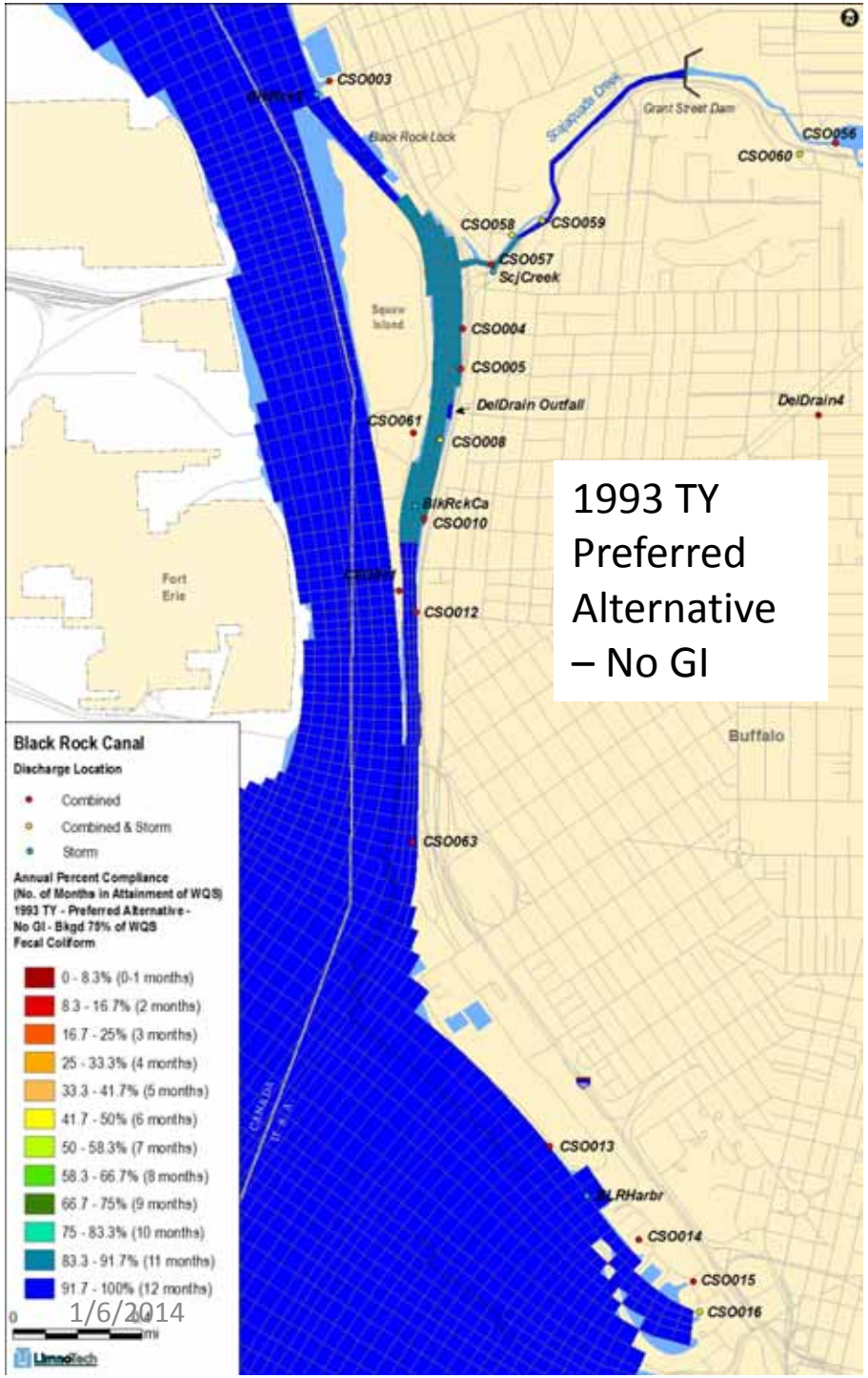
0.4
mi
LimnoTech


1993 TY Preferred Alternative – No GI
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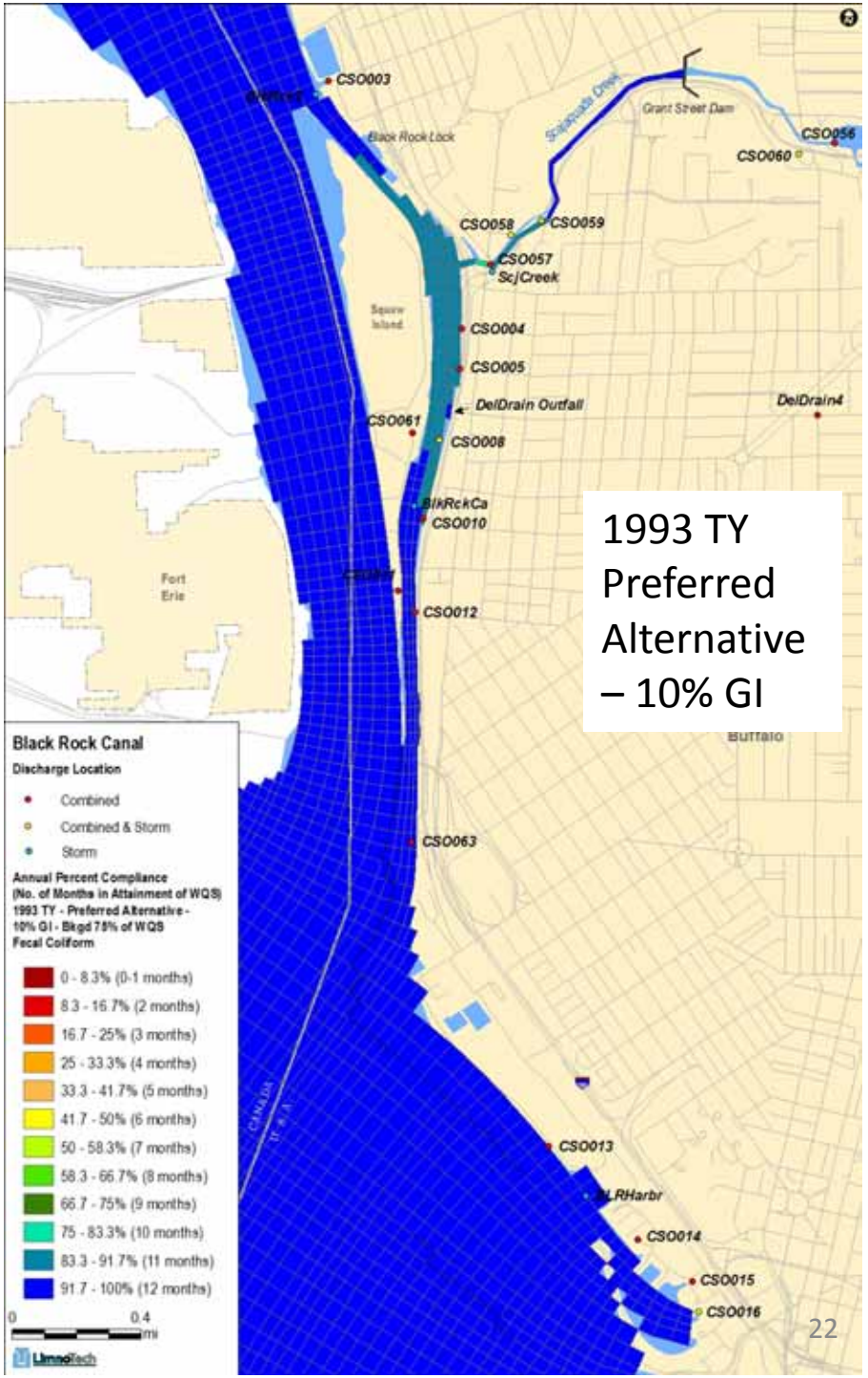
CSO061
CSO008
BlkRckCa
CSO010
Fort Erie
CSO012
Buffalo
CSO063
CSO013
BLRHarbr
CSO014
CSO015
CSO016
CANADA
U.S.A.
0
2
mi
LimnoTech


1993 TY Preferred Alternative – 10% GI
Black Rock Canal
Discharge Location
Combined
Combined & Storm
Storm
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CSO003
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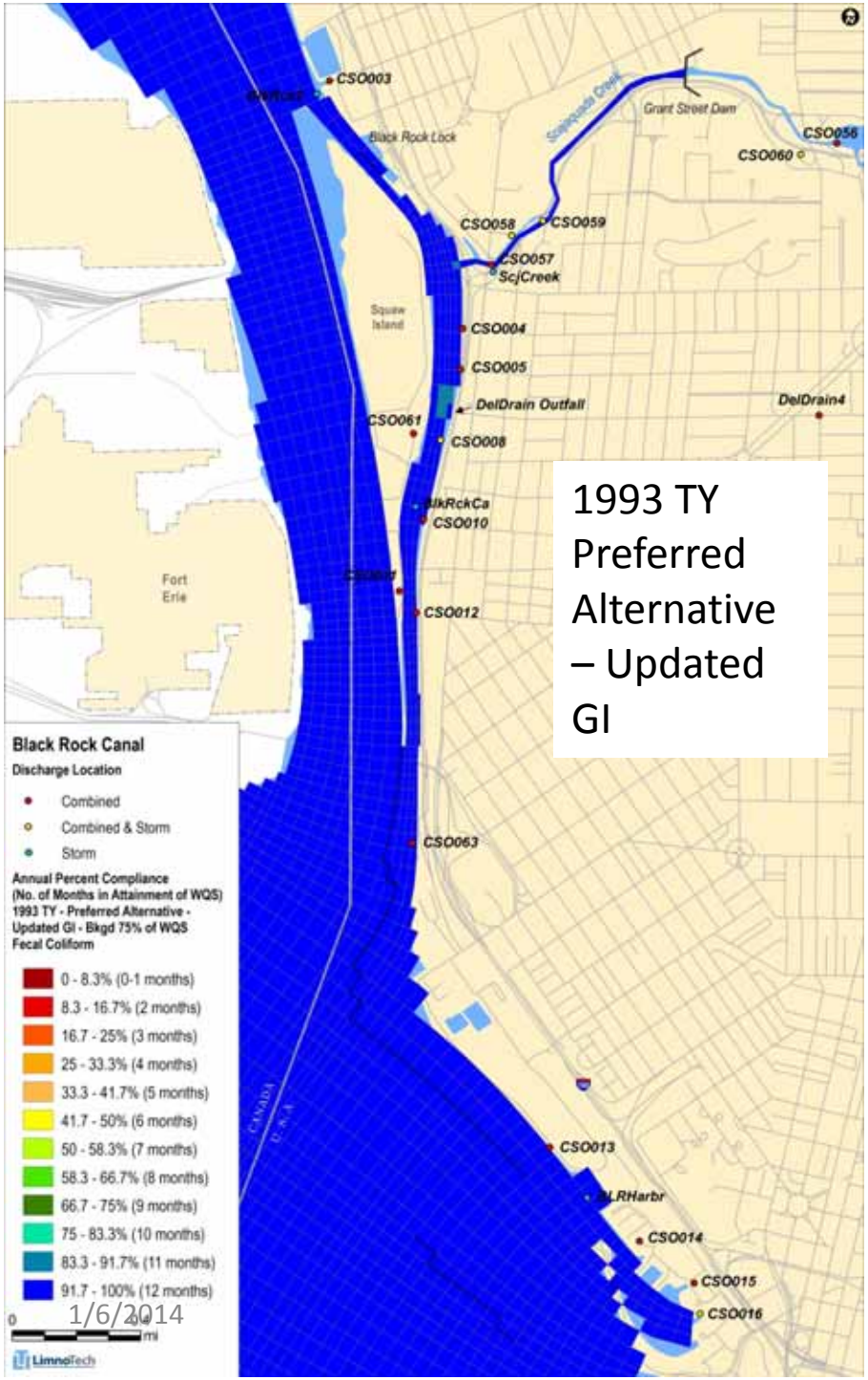
DelDrain Outfall
DelDrain4
CSO061
CSO008
BlkRckCa
CSO010
Fort Erie
CSO012
Buffalo
CSO063
CSO013
BLRHarbr
CSO014
CSO015
CSO016
CANADA
U.S.A.
0
0.4
mi
LimnoTech



1993 TY Preferred Alternative – Updated GI

Comparison of 1993 TY "Baseline – Bkgd 75% of WQS" with "Preferred Alternative", "Preferred Alternative – No GI", "Preferred Alternative – 10% GI", and "Preferred Alternative – Updated GI" Runs

Dissolved Oxygen Results

DRAFT RESULTS

LimnoTech

December 2, 2013

Scenario Overview

- "Bkgd 75% of WQS"
  - CSO flows and concentrations = existing conditions
  - Background flows (stormwater and upstream) = existing conditions
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL and BOD concentrations set to 75% existing conditions.
- "Preferred Alternative – No GI"
  - CSO flows = correspond to preferred alternative #2, No Green Infrastructure
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL, and BOD concentrations set to 75% existing conditions.

Scenario Overview - Continued

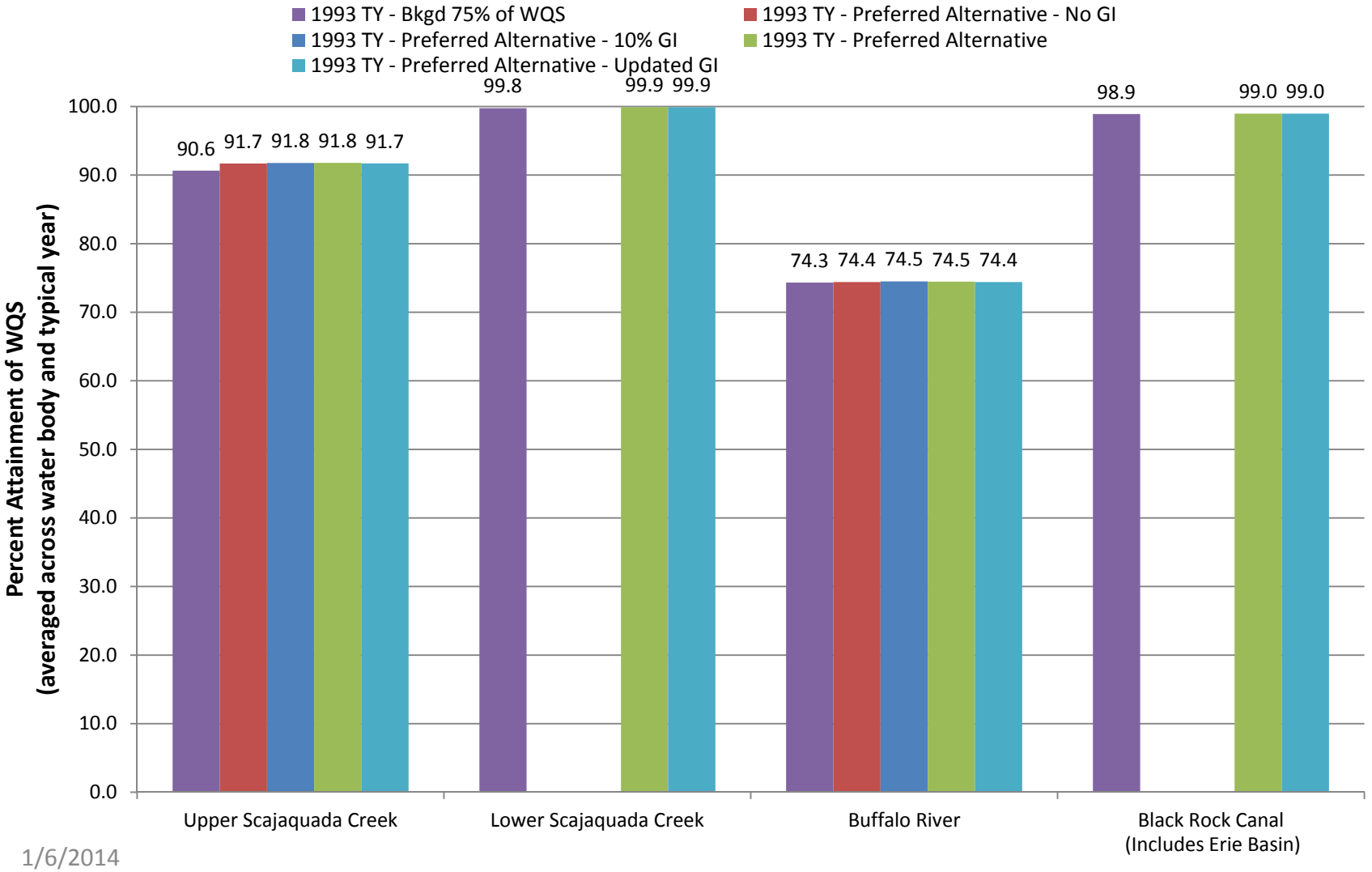
- "Preferred Alternative – 10% GI"
  - CSO flows = correspond to preferred alternative #2, 10% Green Infrastructure
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL, and BOD concentrations set to 75% existing conditions.
- "Preferred Alternative"
  - CSO flows = correspond to preferred alternative #2
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL, and BOD concentrations set to 75% existing conditions.

Scenario Overview - Continued

- "Preferred Alternative – Updated GI"
  - CSO flows = correspond to preferred alternative #2, Updated Green Infrastructure from November 2013
  - Stormwater and upstream bacteria concentrations = 150 #/100 mL, and BOD concentrations set to 75% existing conditions.

Summary of Percent Attainment for 1993 TY - Baseline - Bkgd 75% of WQS vs. Preferred Alternatives (Dissolved Oxygen Daily Average)

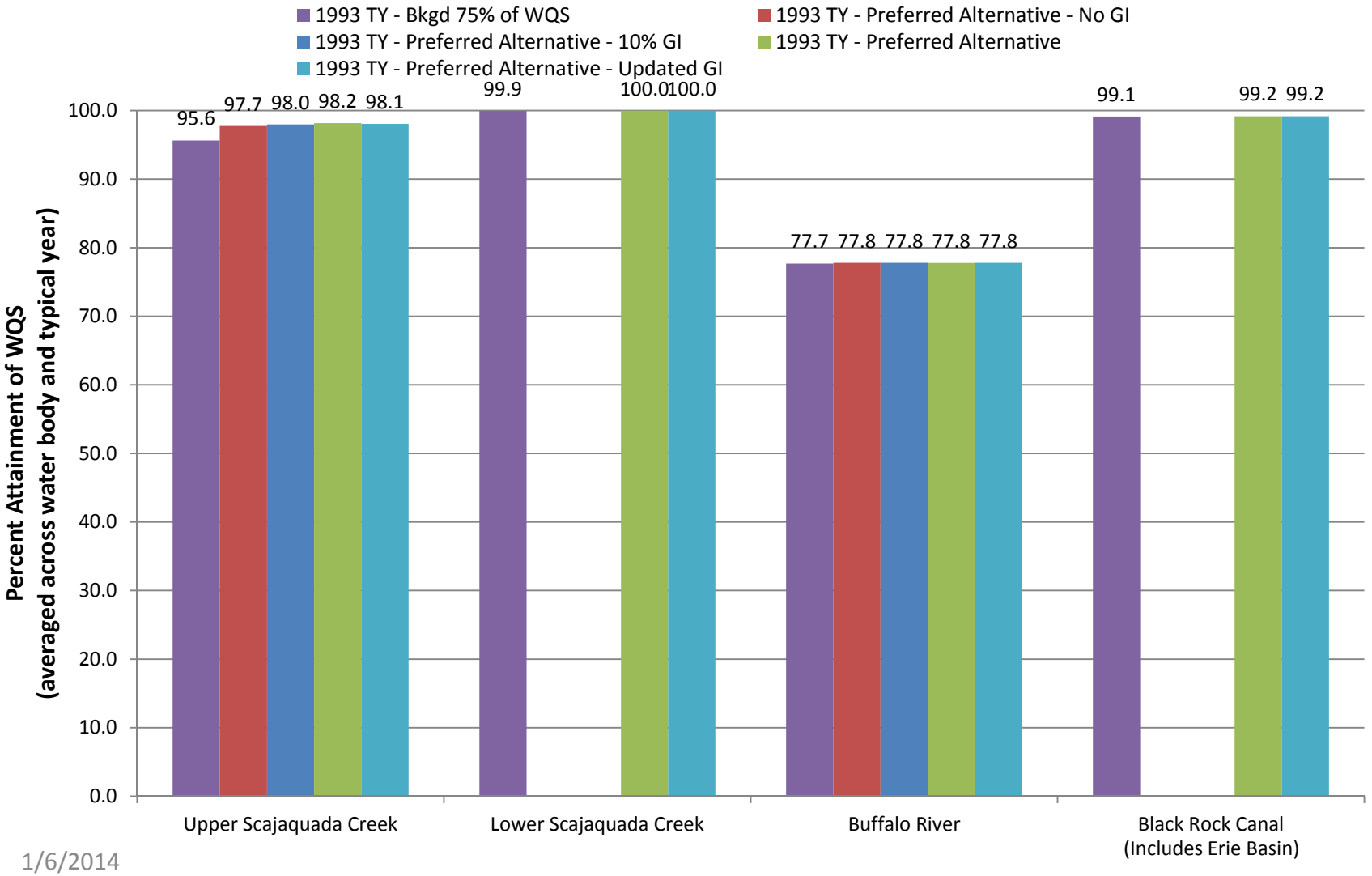
TYPICAL YEAR (Jan 1 - Dec 31)



Dissolved oxygen model not run for Lower Scajaquada Creek and Black Rock Canal for the No GI and 10% GI scenarios

Summary of Percent Attainment for 1993 TY - Baseline - Bkgd 75% of WQS vs. Preferred Alternatives (Dissolved Oxygen Daily Minimum)

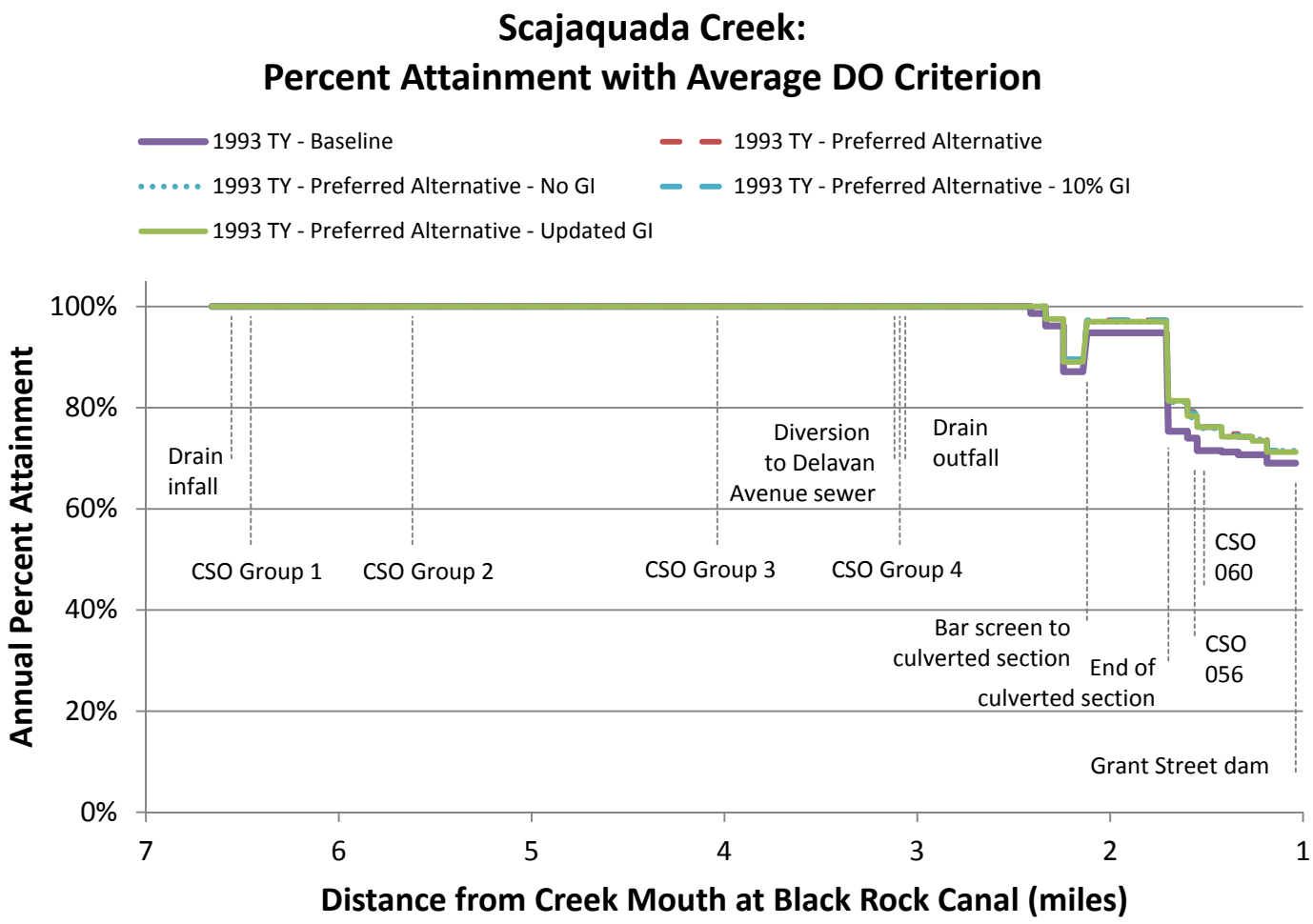
TYPICAL YEAR (Jan 1 - Dec 31)



Dissolved oxygen model not run for Lower Scajaquada Creek and Black Rock Canal for the No GI and 10% GI scenarios

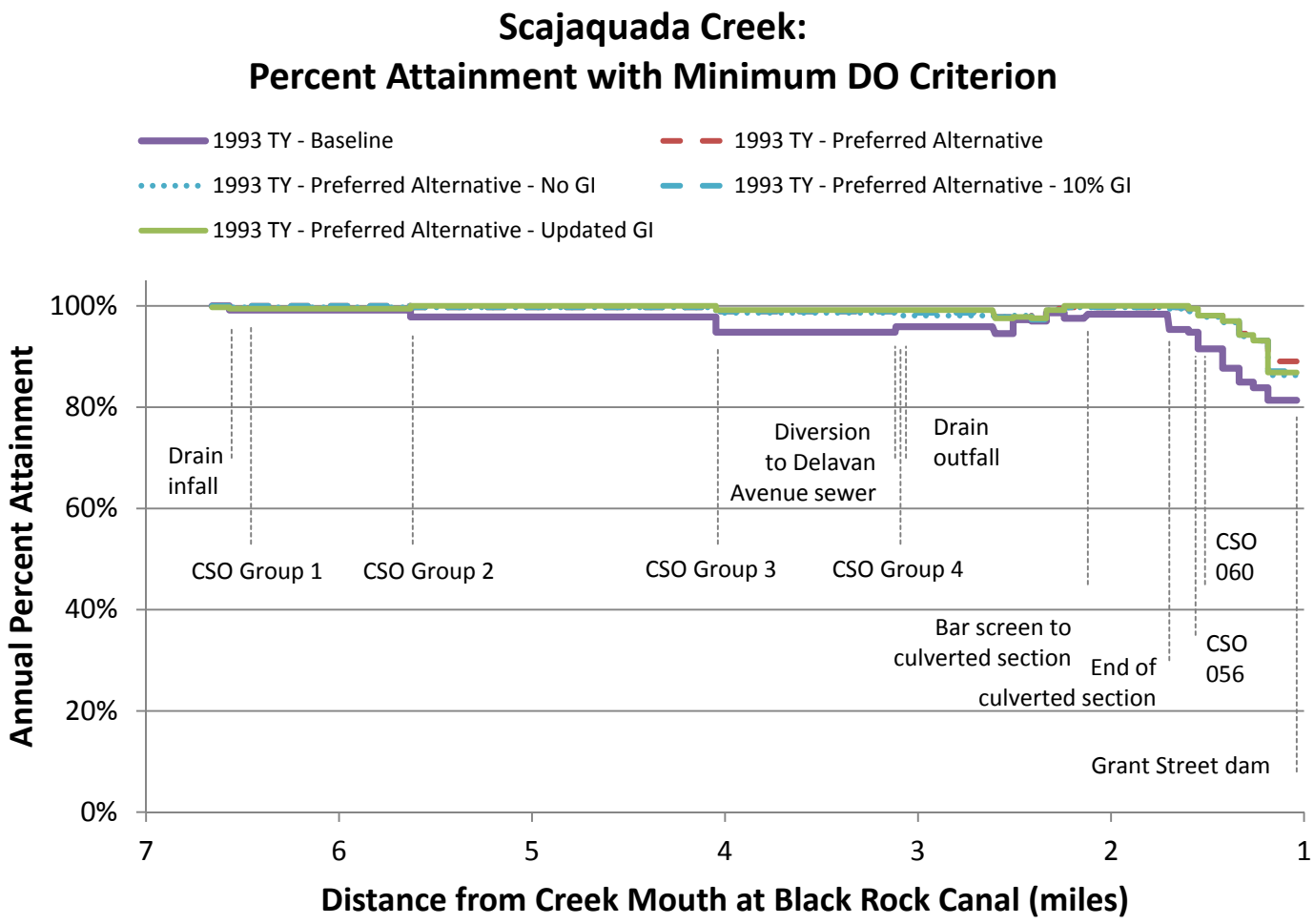
SPATIAL OUTPUT

Upper Scajaquada Cr. Spatial Output (DO Daily Ave)



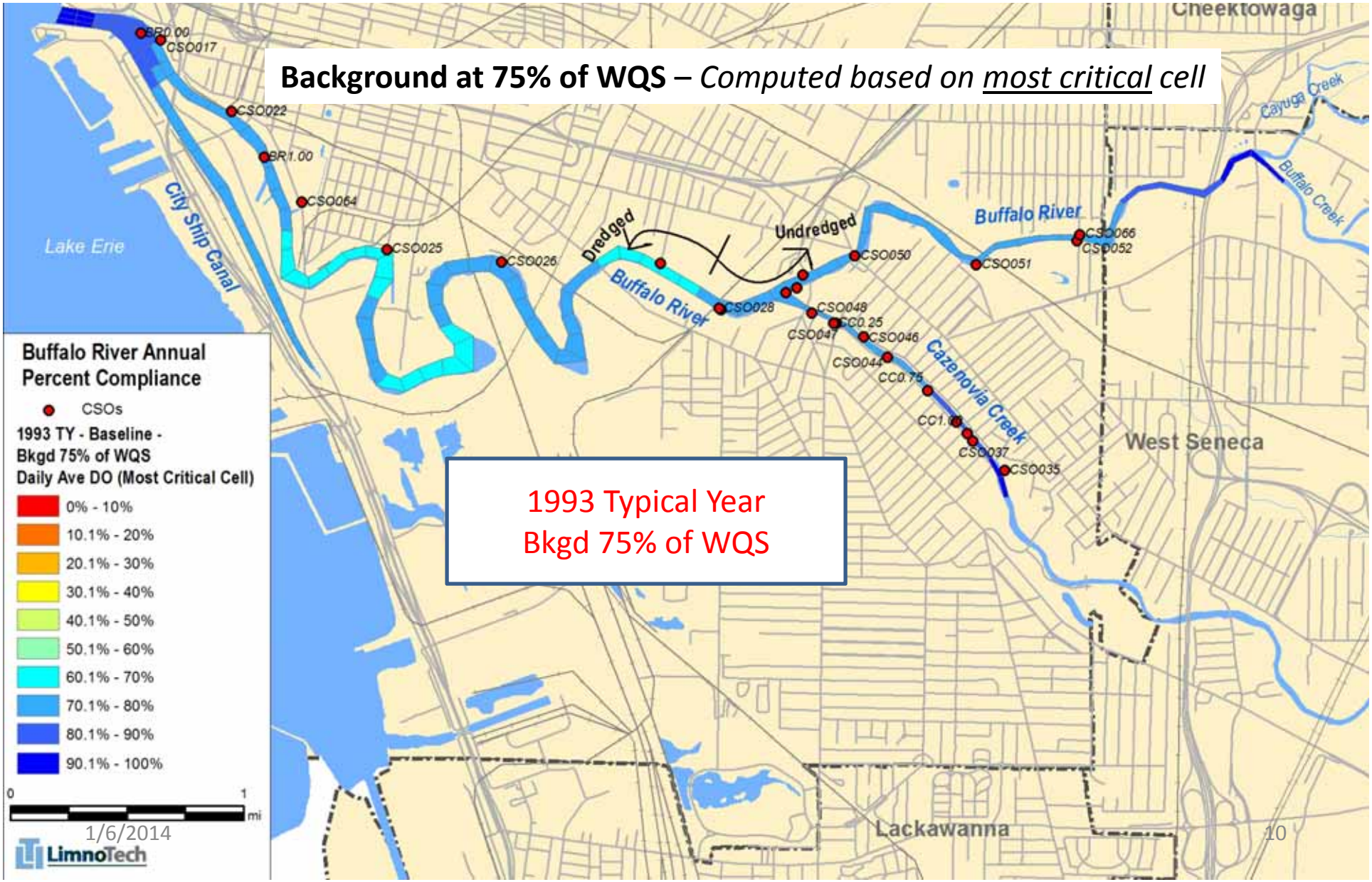
DRAFT: Interim results not for final agency submittal

Upper Scajaquada Cr. Spatial Output (DO Daily Min)

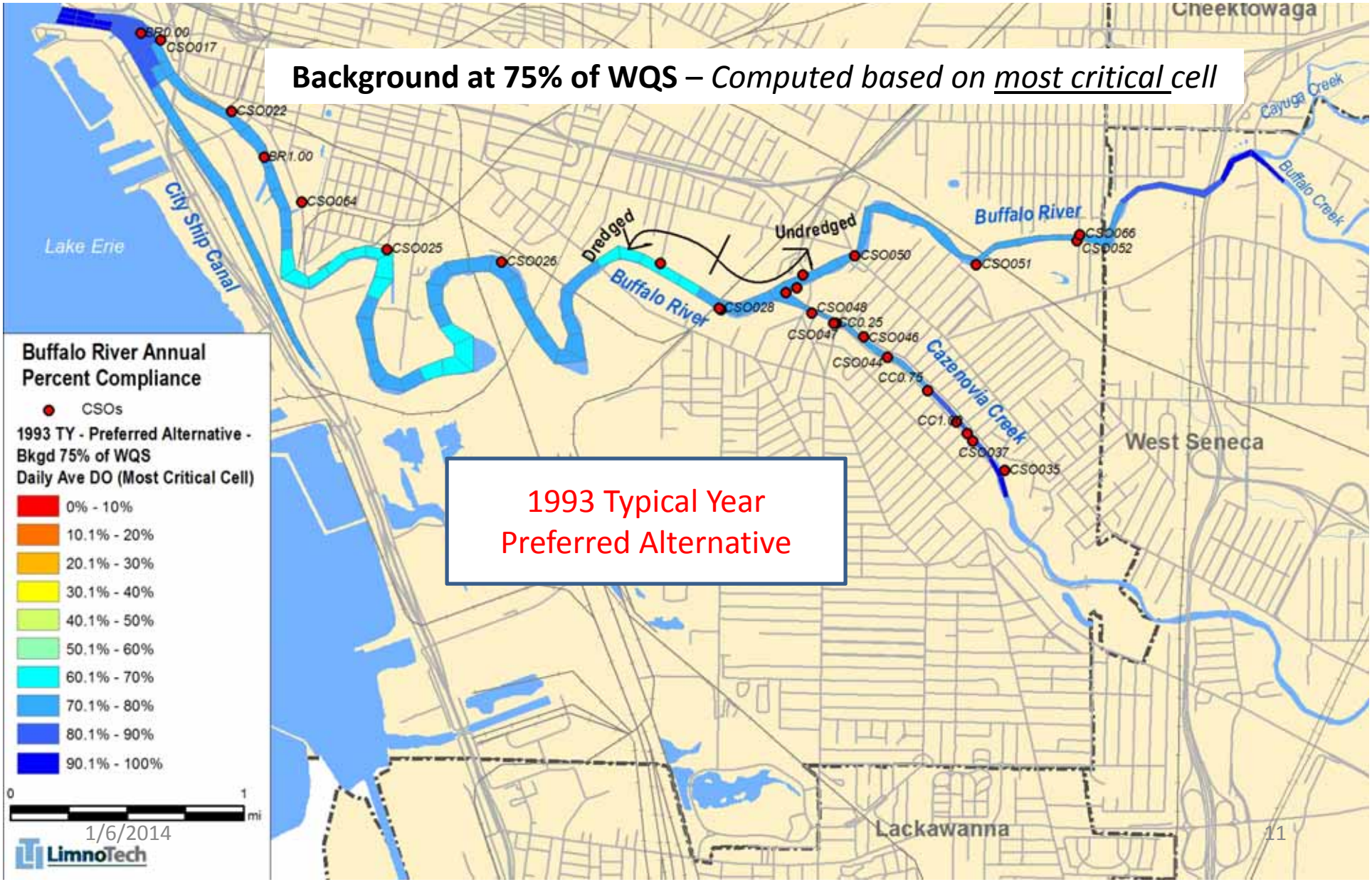


DRAFT: Interim results not for final agency submittal

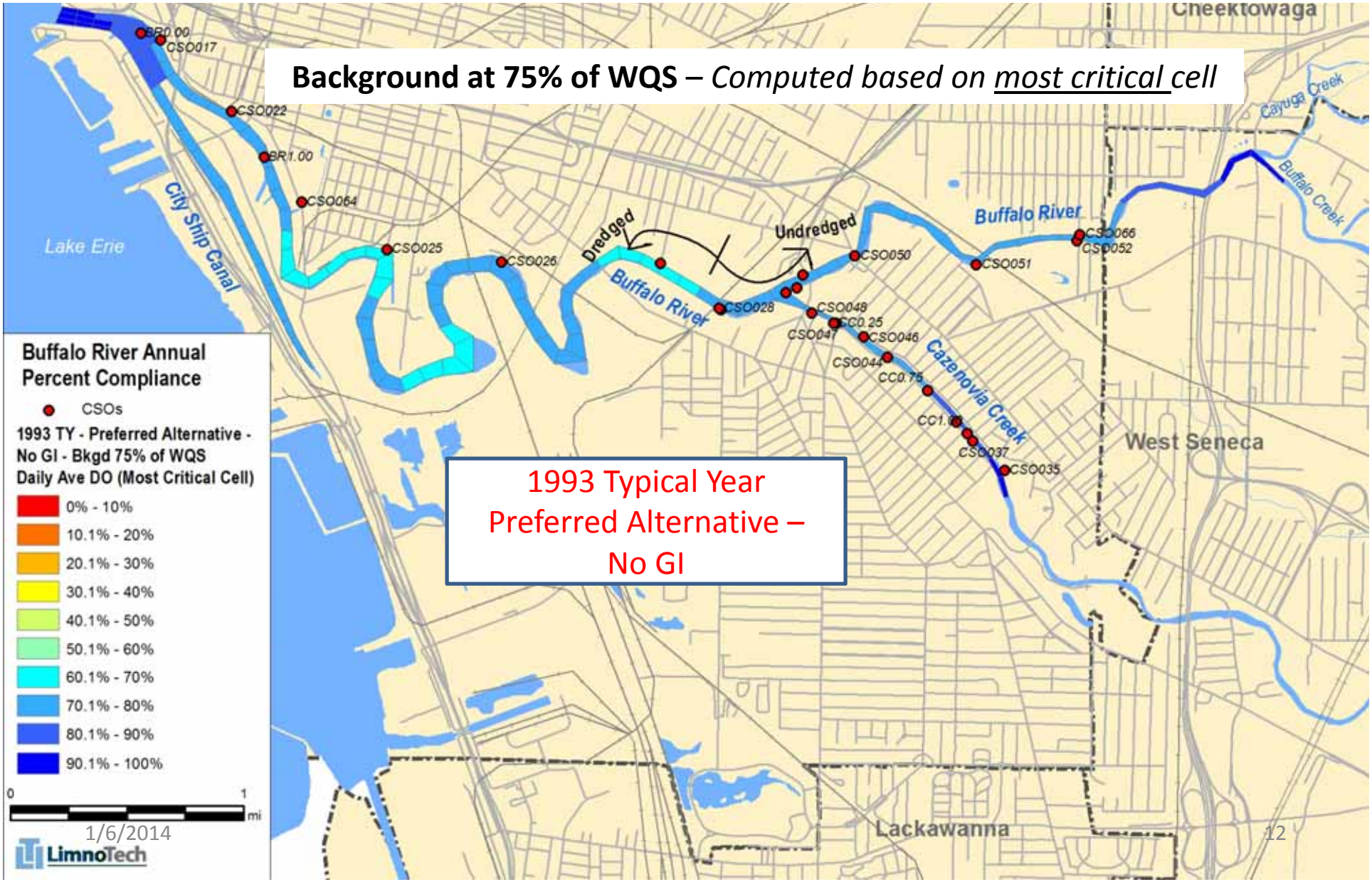
Buffalo River Dissolved Oxygen: Daily Average ≥ 5 mg/L



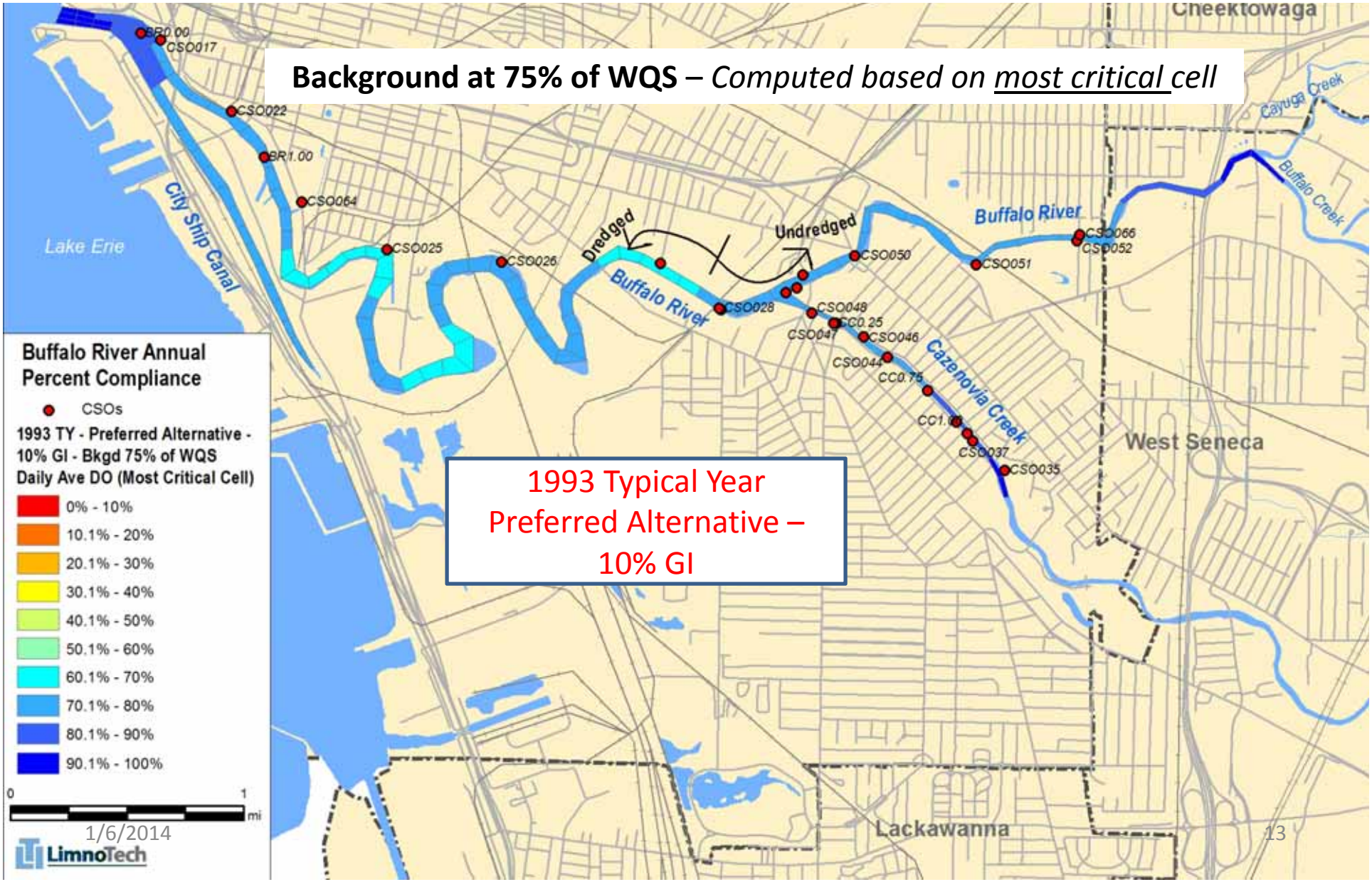
Buffalo River Dissolved Oxygen: Daily Average ≥ 5 mg/L



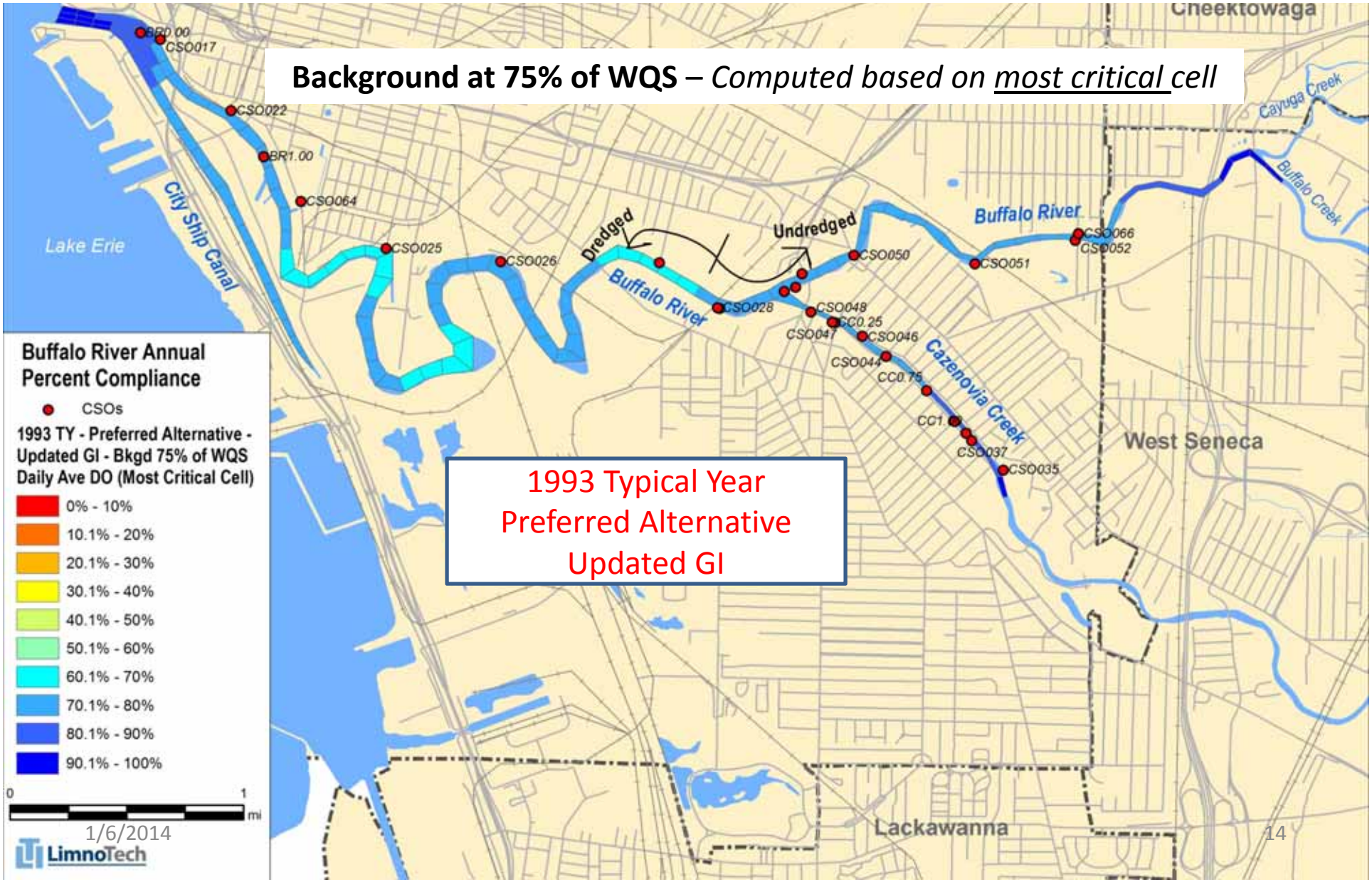
Buffalo River Dissolved Oxygen: Daily Average ≥ 5 mg/L



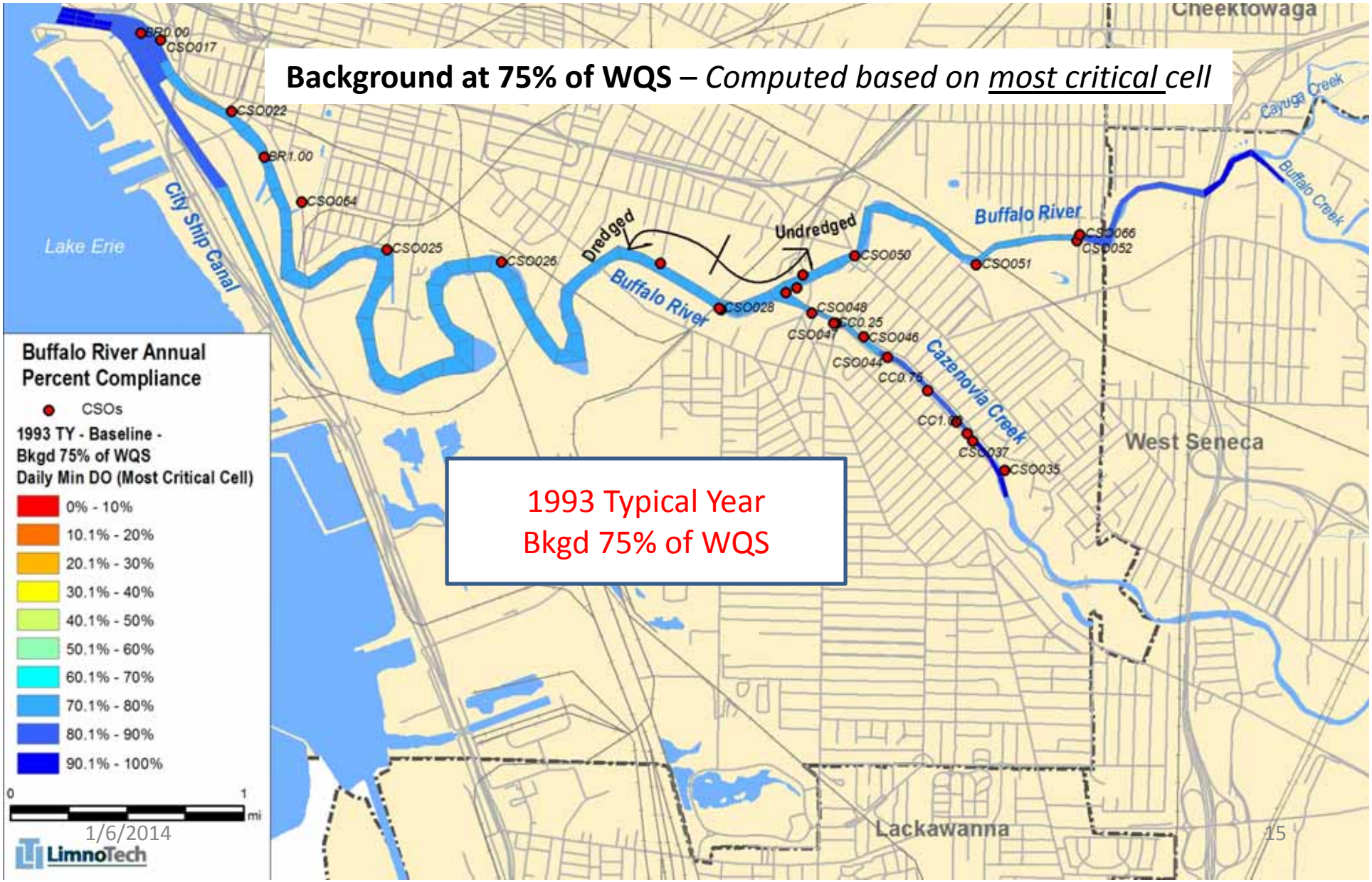
Buffalo River Dissolved Oxygen: Daily Average ≥ 5 mg/L



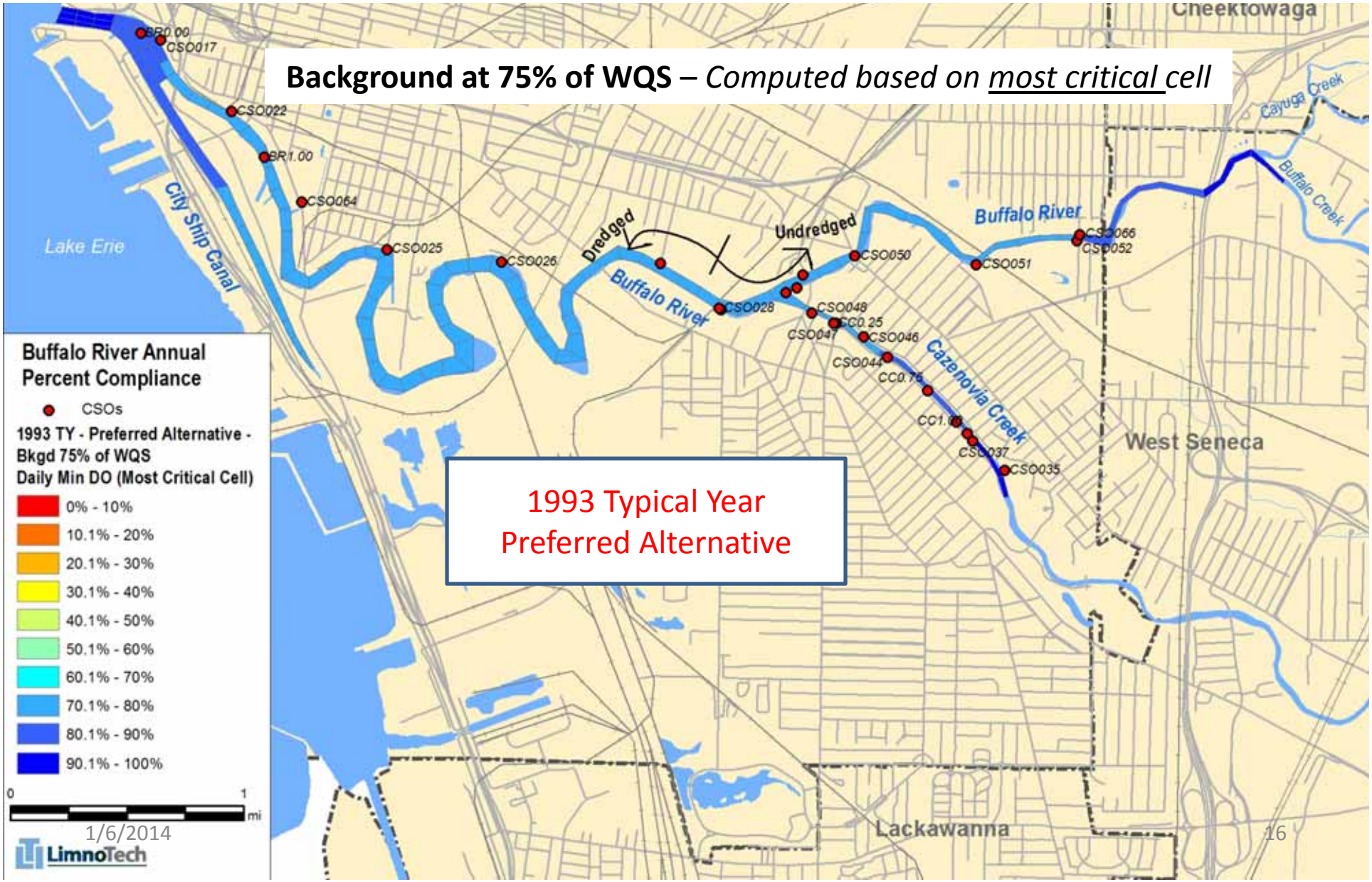
Buffalo River Dissolved Oxygen: Daily Average ≥ 5 mg/L



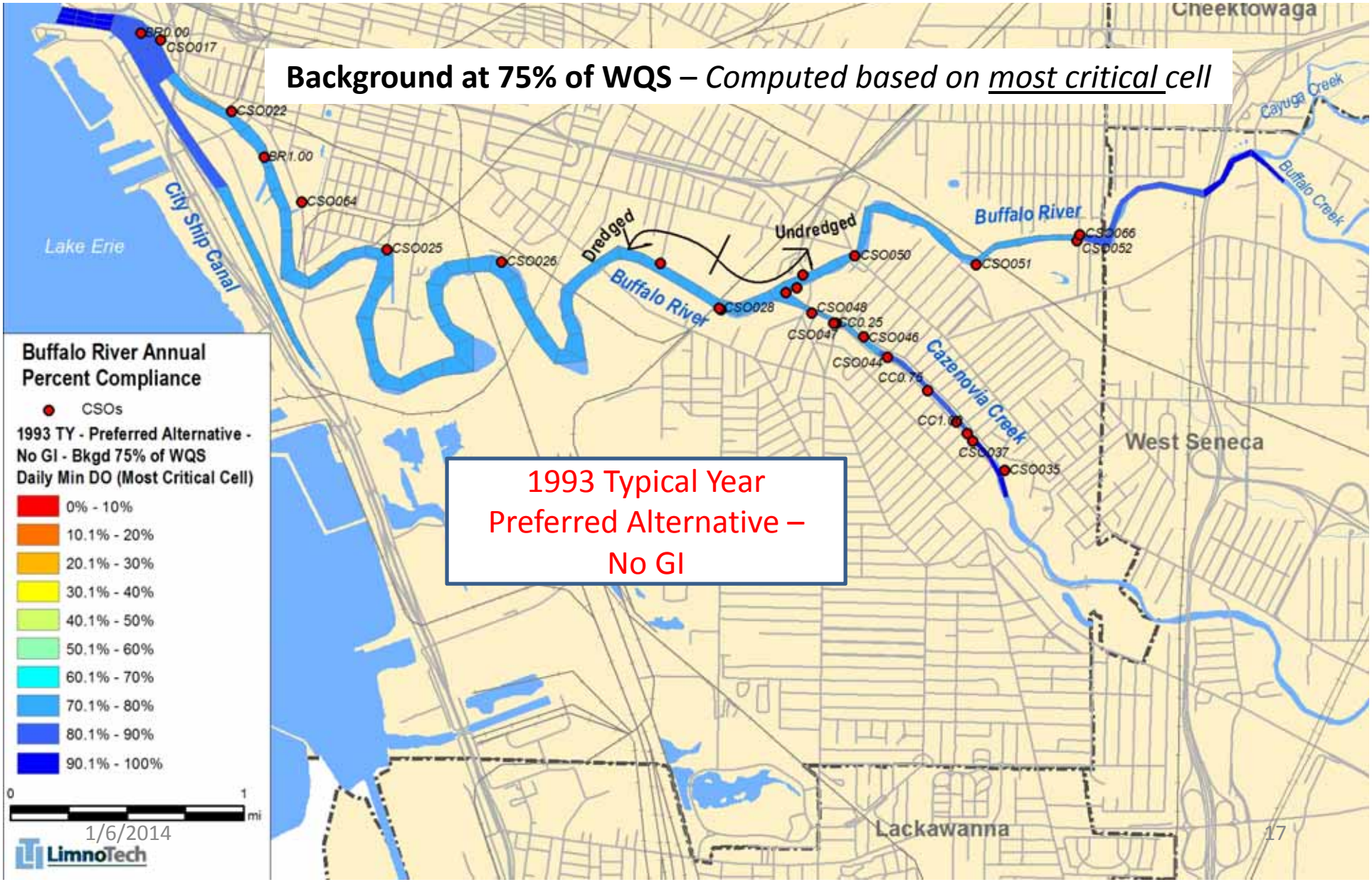
Buffalo River Dissolved Oxygen: Daily Minimum ≥ 4 mg/L



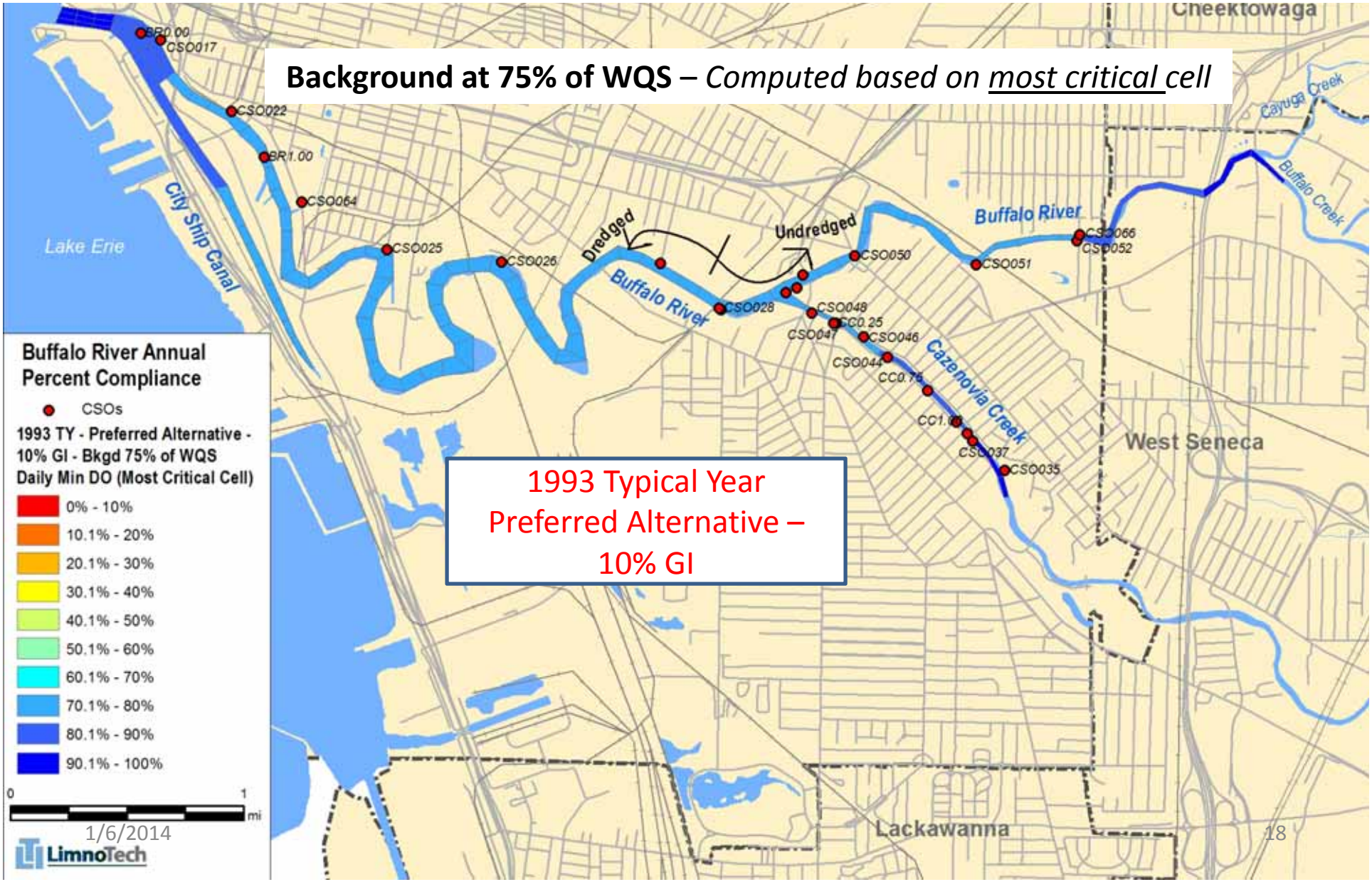
Buffalo River Dissolved Oxygen: Daily Minimum ≥ 4 mg/L



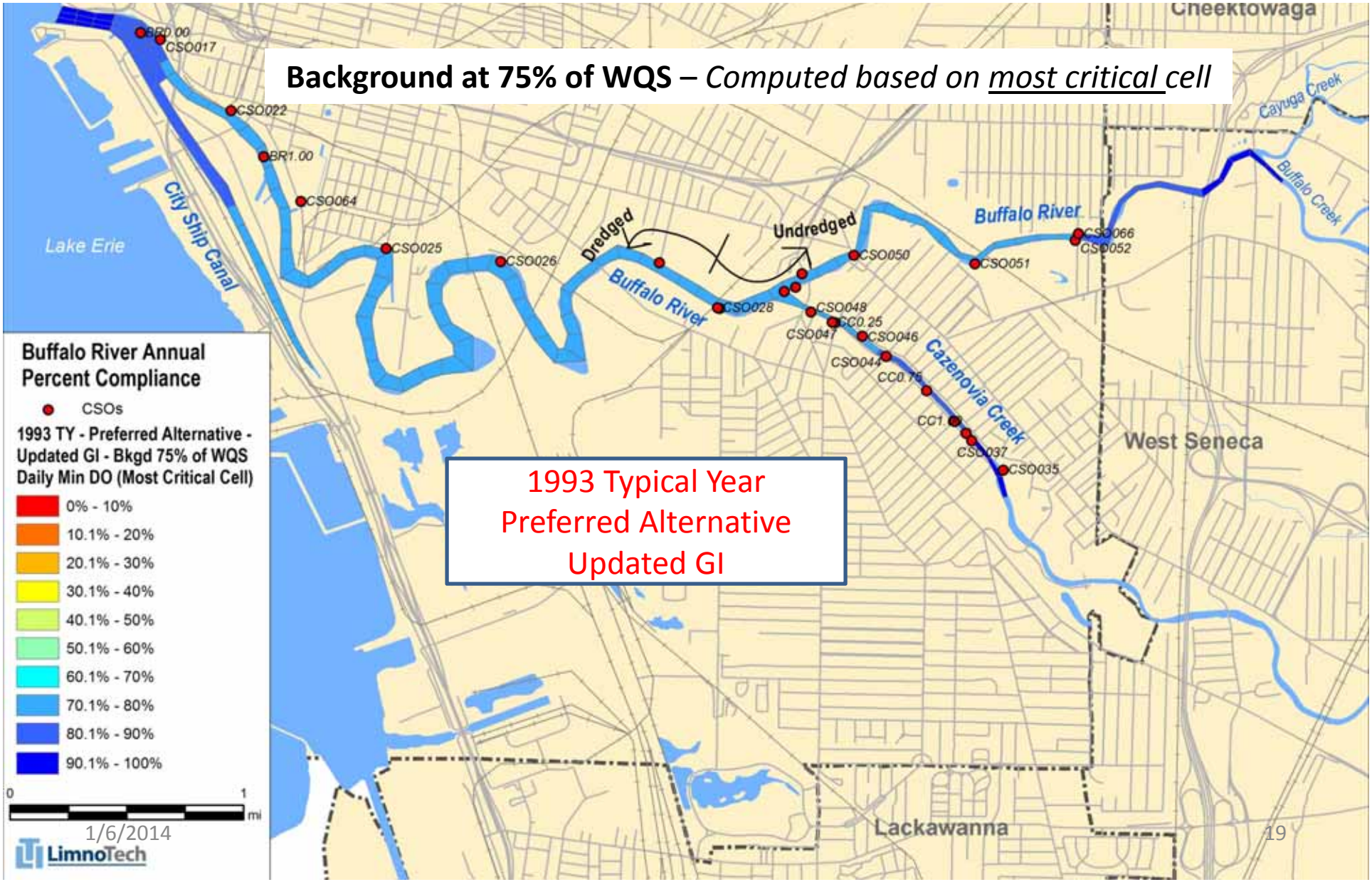
Buffalo River Dissolved Oxygen: Daily Minimum ≥ 4 mg/L



Buffalo River Dissolved Oxygen: Daily Minimum ≥ 4 mg/L

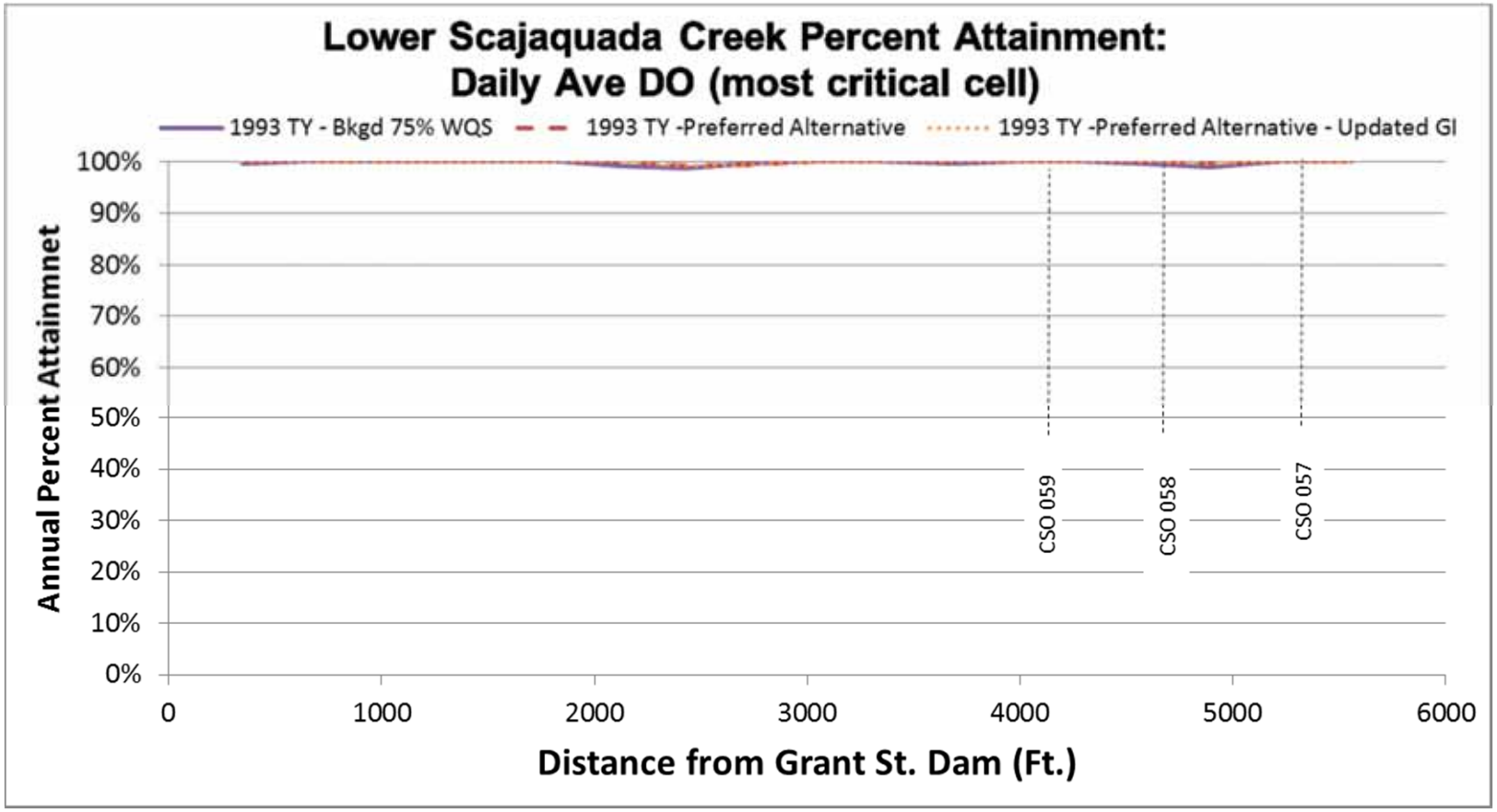


Buffalo River Dissolved Oxygen: Daily Minimum ≥ 4 mg/L



Lower Scajaquada Cr. Spatial Output
(DO Daily Ave)

Computed based on most critical vertical cell

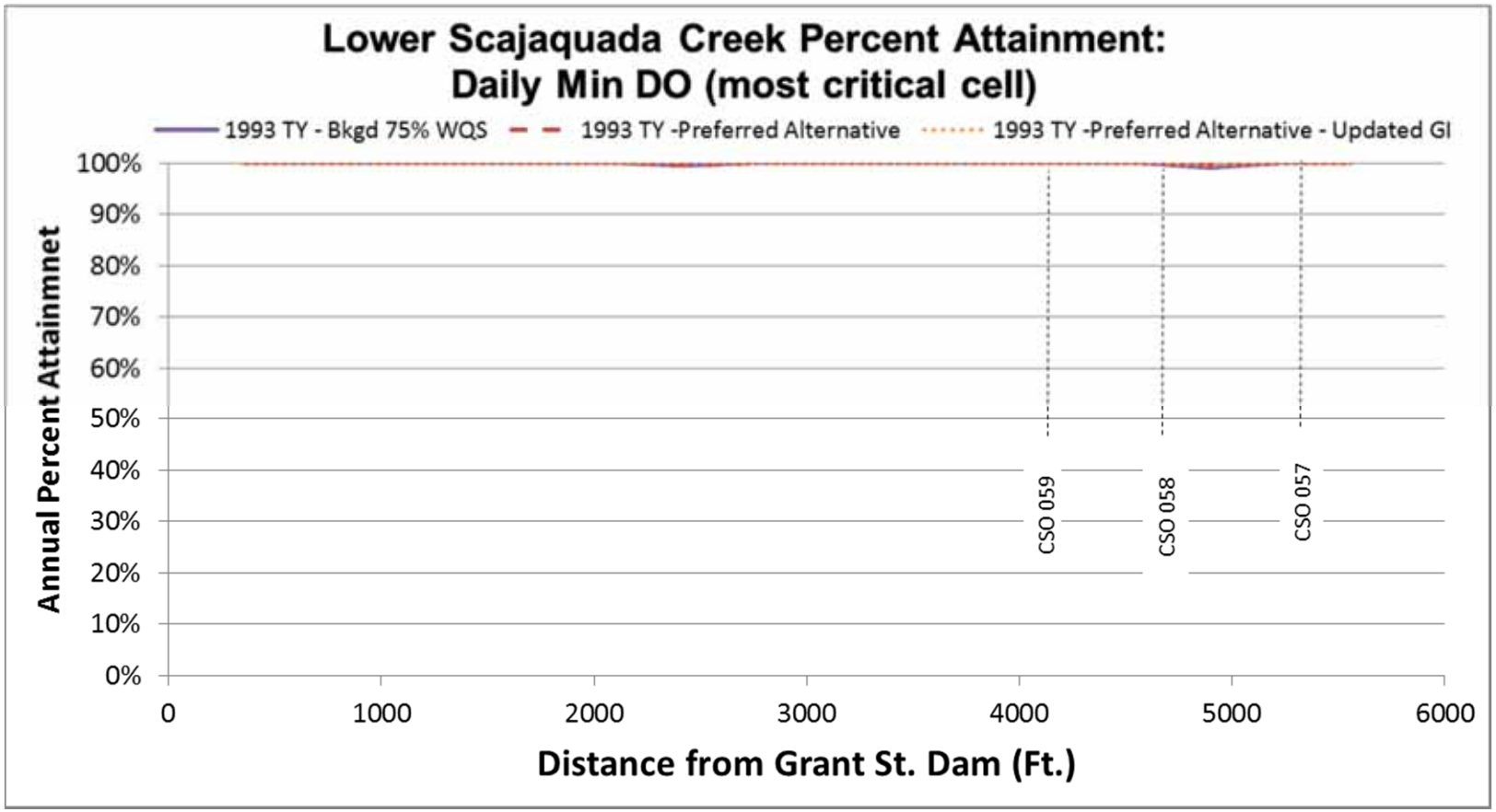


Dissolved oxygen model not run for Lower Scajaquada Creek and Black Rock Canal for the No GI and 10% GI scenarios

DRAFT: Interim results not for final agency submittal

Lower Scajaquada Cr. Spatial Output
(DO Daily Min)

Computed based on most critical vertical cell

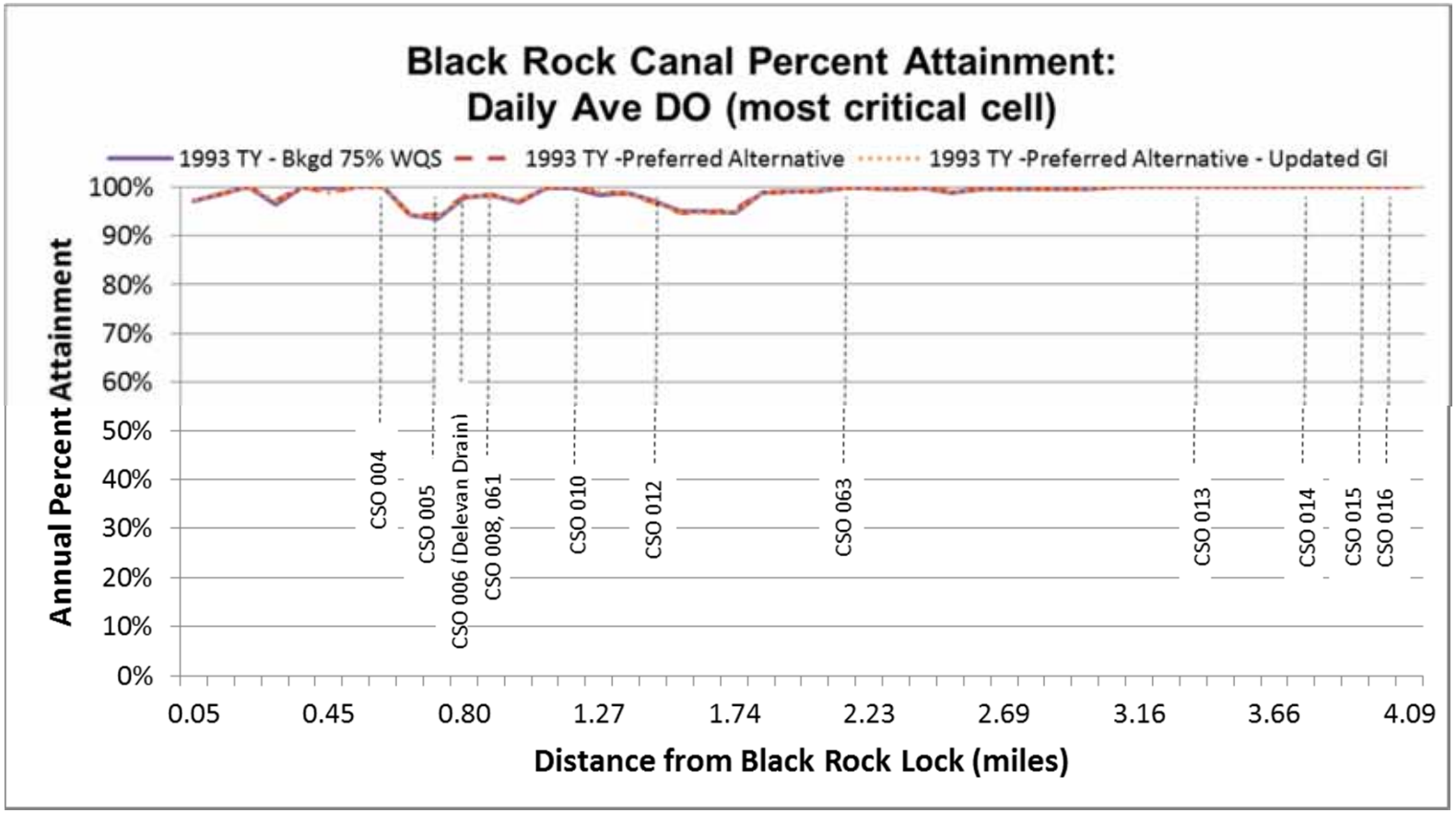


Dissolved oxygen model not run for Lower Scajaquada Creek and Black Rock Canal for the No GI and 10% GI scenarios

DRAFT: Interim results not for final agency submittal

Black Rock Canal Spatial Output
(DO Daily Ave)

Computed based on most critical vertical cell

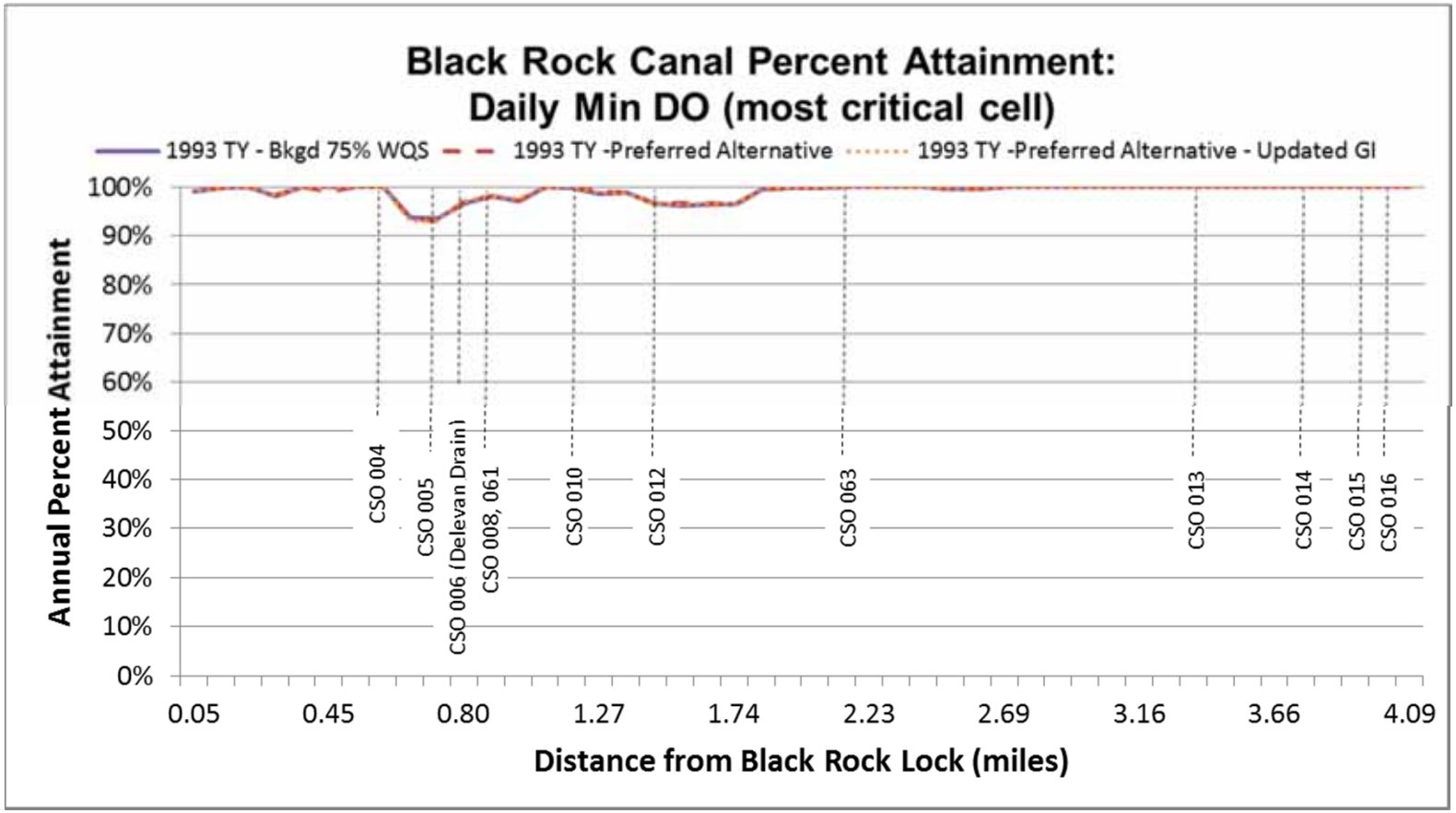


Dissolved oxygen model not run for Lower Scajaquada Creek and Black Rock Canal for the No GI and 10% GI scenarios

DRAFT: Interim results not for final agency submittal

Black Rock Canal Spatial Output
(DO Daily Min)

Computed based on most critical cell



Dissolved oxygen model not run for Lower Scajaquada Creek and Black Rock Canal for the No GI and 10% GI scenarios

DRAFT: Interim results not for final agency submittal

Appendix 12-3: Green Infrastructure Master Plan

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GREEN INFRASTRUCTURE MASTER PLAN

DRAFT August 2, 2013

REVISED January 2014

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1. EXECUTIVE SUMMARY

The Buffalo Sewer Authority (BSA) submitted their Long Term Control Plan (LTCP) Update to the United States Environmental Protection Agency (USEPA) and the New York State Department of Environmental Conservation (NYSDEC) in April 2012. In that document, the Recommended Plan contained a balance of traditional "gray" infrastructure as well as innovative "green" solutions for the control of combined sewer overflows.

The USEPA and the NYSDEC (collectively referred to as the Agencies) subsequently issued comments on the April 2012 LTCP Update in a letter dated December 6, 2012. To address the Agencies' green infrastructure (GI) related comments, the BSA prepared and submitted a GI Workplan on March 1, 2013. The Workplan outlined components of a GI Master Plan to be developed and submitted to the Agencies. Following submittal of the draft GI Master Plan on August 2, 2013, the Agencies provided comments via email on August 14, 2013, and a meeting was held with the BSA and the Agencies on August 20, 2013 to discuss these comments and the approach to finalizing the GI Master Plan. This GI Master Plan provides:

- Further refinement of the GI control targets presented in the 2012 LTCP Update to determine on the SPP level where the system would most benefit from GI technologies.
- Background information on the environmental and land use conditions in Buffalo.
- A summary of the land use in the City of Buffalo.
- An overview of GI technologies.
- A program level screening of GI for BSA.
- Details on the Phase 1 GI projects to be implemented over the first five-year period.
- Details of the Phase 1 GI projects performance evaluation using a combination of modeling techniques implemented in the system-wide model, including a summary of the model results and a post-construction monitoring plan for the Phase 1 GI projects.

Several factors were evaluated to determine the Phase 1 GI projects for the first five-year implementation period. As a result of these evaluations and the opportunities available within the City, the BSA Phase 1 GI projects, summarized in Table 1-1, rely upon demolition/vacant lot management as well as runoff reduction from seven green streets projects to achieve the impervious surface stormwater management goal. The Phase 1 GI projects will control 448 acres of impervious area, of which 267 acres will be applied to the SPP-based GI acreage targets for each CSO (as described in Section 2.1). The Phase 1 GI projects were selected to:

- Capitalize upon the City's substantial investment in demolition of vacant properties from the time the CSS model was developed through the end of Phase 1;
- Support the City's complete, green street agenda; and

- Capture the impacts of the Environmental Facilities Corporation investment in the PUSH Blue project.

Table 1-1: BSA Phase 1 Green Infrastructure Program Summary

Project Group	Sub Group	Impervious surface controlled (acres)	Impervious Acreage Applied to SPP-based Target CSO Control (acres)	Estimated Capital Cost to BSA
Demolitions and Vacant Lot Management	2001 – 2013 Demolitions (excl. 2001-2009 demos in CSO 12)	354	210	$0
	CSO 53 Pilot Project and 2014-2018 Demolitions	50	31	$1,448,000
	Fillmore Ave green lots	0	0	$62,000
	PUSH Blue Projects	1.0	1.0	$0
Green Streets	Carlton Street porous asphalt	1.0	0	$396,000
	Fillmore Ave porous parking lots	0.4	0.4	$15,500
	Ohio Street	6.1	2.1	$0
	Kenmore Ave[(1)]	4.1	4.1	$532,000
	Kensington Ave[(1)]	5.5	2.5	$473,000
	Allen Street[(1)]	2.5	2.5	$251,000
	Niagara Street[(1)]	23	14.3	$3,250,000
TOTAL		448	267	$6,427,000

Notes: [(1)] Specific designs are not available for these projects at this time. The impervious acreage controlled was estimated based on the assumptions provided in Section 8.

The Phase 1 projects were modeled using the techniques outlined in Section 8 of this report. The Revised Baseline model from the 2012 LTCP Update was evaluated for each CSO and receiving water body in terms of the reduction in CSO activations and volumes resulting from the implementation of the Phase 1 GI projects. Table 1-2 presents a comparison of model results for the Phase 1 GI projects with the 2012 LTCP Update Revised Baseline conditions. Residual volumes are presented for each CSO as well as the frequencies of activation. As shown in Table 1-2, the total system-wide CSO volume remaining decreased by approximately 10 percent and the activations the CSOs directly affected by the Phase 1 projects showed some reductions. Note that some CSOs where volume reductions were predicted had no associated reduction in activations. Individual SPPs in these CSO basins are the controlling factor in activations, and for Phase 1 these SPPs did not have any projects (demolitions or otherwise) implemented. The model results

also predicted some CSO volume reductions following relatively small GI application in the tributary areas. The primary reason for this is that the BSA's system is interconnected to the extent that CSO reductions associated with GI in one area can affect CSO volumes and activations in other areas of the City.

Table 1-2: Predicted Annual CSO Only (Excluding Stormwater and Stream Inflows) Volumes and Frequencies
Phase 1 Green Infrastructure Projects (Modified 1993 TY)

CSO Outfall	Receiving Water	CSO-only Volume (Million Gallons)		CSO-only Frequency	
		Revised Baseline[(1)]	Ph1 GIMP Projects	Revised Baseline[(1)]	Ph1 GIMP Projects
003	Niagara River	0.1	0.05	6	3
004	Black Rock Canal	11.2	10.6	5	4
005	Black Rock Canal	0.1	0.1	4	4
006	Black Rock Canal	198.9	173.4	65	65
008	Black Rock Canal	6.1	5.8	39	37
010	Black Rock Canal	11.9	11.0	44	43
011	Niagara River	134.3	114.2	41	40
012	Black Rock Canal	52.5	50.7	42	41
013	Black Rock Canal	6.8	6.3	7	6
014	Erie Basin	4.2	3.6	4	4
015	Erie Basin	6.1	5.7	12	12
016	Erie Basin	0.0	0.0	0	0
017	Buffalo River	71.3	51.7	49	49
022	Buffalo River	29.8	23.1	49	49
025	Buffalo River	1.4	1.3	11	6
026	Buffalo River	124.2	94.6	63	63
027	Buffalo River	31.7	29.2	36	36
028	Buffalo River	45.5	44.9	69	69
029	Buffalo River	0.0	0.0	0	0
032	Buffalo River	0.0	0.0	0	0
033	Buffalo River	37.8	34.9	9	8
034	Buffalo River	0.0	0.0	0	0
035	Cazenovia Creek - B	0.0	0.0	0	0
037	Cazenovia Creek - C	23.3	17.4	13	11
039	Cazenovia Creek - C	0.0	0.0	0	0
044	Cazenovia Creek - C	2.3	2.2	7	5
046	Cazenovia Creek - C	1.3	1.3	1	1
047	Cazenovia Creek - C	8.7	8.6	44	44
048	Cazenovia Creek - C	0.0	0.0	0	0
049	Buffalo River	0.0	0.0	0	0

CSO Outfall	Receiving Water	CSO-only Volume (Million Gallons)		CSO-only Frequency	
		Revised Baseline(1)	Ph1 GIMP Projects	Revised Baseline(1)	Ph1 GIMP Projects
050	Buffalo River	3.2	3.1	14	14
051	Buffalo River	1.2	1.2	4	4
052	Buffalo River	10.9	9.6	10	10
053	Scajaquada Creek	268.0	252.3	65	65
054	Niagara River	0.0	0.0	0	0
055	Cornelius Creek	601.1	568.2	41	41
056	Scajaquada Creek	0.04	0.04	5	5
057	Scajaquada Creek	0.0	0.0	0	0
058	Scajaquada Creek	0.0	0.0	0	0
059	Scajaquada Creek	0.0	0.0	0	0
060	Scajaquada Creek	0.7	0.7	5	5
061	Black Rock Canal	31.2	28.3	10	9
063	Black Rock Canal	0.6	0.6	13	13
064	Buffalo River	21.1	18.3	56	56
066	Buffalo River	1.7	1.5	10	10
	Total	1,749.1	1,574.6		

NOTE: (1) Revised Baseline results from Table 11-3 of the BSA's LTCP.

2. GREEN INFRASTRUCTURE IN THE BSA'S 2012 LTCP UPDATE

The National Pollutant Discharge Elimination System (NPDES) permit program, established by the Clean Water Act, regulates point sources discharging pollutants into waters of the United States. In New York, NPDES permits are regulated by the New York State Department of Environmental Conservation (NYSDEC), through the State Pollutant Discharge Elimination System (SPDES) Program.

The United States Environmental Protection Agency (USEPA) Combined Sewer Overflow (CSO) Control Policy provides guidance to communities with combined sewer systems to meet Clean Water Act goals. Under the federal Clean Water Act, communities with CSOs must develop Long-Term Control Plans (LTCPs) that conform to the CSO Policy. Since 2007, the USEPA has recognized that green infrastructure (GI) can be "both a cost effective and an environmentally preferable approach to reduce storm water and other excess flows entering combined or separate sewer systems in combination with, or in lieu of, centralized hard infrastructure solutions."

In April 2012, the Buffalo Sewer Authority (BSA) submitted its LTCP Update to the USEPA and the NYSDEC. The Recommended Plan in the LTCP contains a balance of traditional "gray" infrastructure as well as innovative "green" solutions. The green infrastructure component of the plan was particularly supported by local citizens and community groups who use the CSO receiving waters. The USEPA and the NYSDEC (collectively referred to as the Agencies) subsequently issued comments on the April 2012 LTCP Update in a letter dated December 6, 2012. To address the Agencies' GI-related comments, the BSA prepared and submitted a GI Workplan on March 1, 2013 that outlined the components of a GI Master Plan to be developed and submitted to the Agencies no later than August 2, 2013. This document presents the GI Master Plan, and reflects comments received from the Agencies after the August 2013 draft submittal. It presents a detailed plan for implementing the GI components of the LTCP over the first five-year period.

This section provides background information on the potential for GI and the priority geographic areas for GI implementation in the City in accordance with the GI control targets outlined in the 2012 LTCP Update. This section includes a summary of the GI evaluations in the 2012 LTCP Update and refinement of impervious surface control by GI based on predicted sewer patrol point (SPP) activations.

2.1 Summary of GI Control Proposed in the 2012 LTCP Update

In order to develop a system-wide GI approach in the April 2012 LTCP Update, a system-wide GI sensitivity analysis was completed and land use statistics were reviewed for a sample of residential and commercial basins throughout the City to develop a reasonable, achievable level of impervious surface control to be recommended as part of the LTCP Update. Model analysis of 20, 40, and 60 percent system-wide GI application was completed to evaluate the sensitivity of CSO activations to GI implementation. In addition, impervious surfaces were summarized and broken down into total impervious area,

publicly controllable impervious areas (e.g., streets/roads, sidewalks) and typical privately controlled land uses where GI technologies could be readily implemented. Based on these evaluations, the BSA's recommended GI program targeted up to 20 percent impervious surface controls. Section 11.4 in the LTCP provides details on the methodology applied.

For the LTCP update, the BSA selected a target of approximately 1,620 acres impervious surface control through reasonable GI measures by the BSA or the City. The following general approach was applied at the CSO basin level:

- A minimum of 10 percent impervious surface control was applied to CSO basins where the Revised Baseline results indicated relatively infrequent activations (generally less than 10 per year).
- 20 percent impervious surface control was applied to CSO basins that generally discharged at higher annual frequencies under Revised Baseline conditions or that discharged into receiving water bodies that are critical from a water quality perspective (e.g., Erie Basin).

In general, all CSO basins were targeted for some impervious surface control between 10 and 20 percent, as shown on Figure 2-1. The approximate impervious acreage to be controlled by GI for each receiving water basin is summarized in Table 2-1. The recommended GI control levels (between 10 percent and 20 percent) resulted in a City-wide control of 18 percent of the impervious surface. The system-wide GI at these target impervious control percentages was included as part of the CSO Recommended Plan in the LTCP Update.

Table 2-1: Impervious Area Targets for Control by GI Recommended in the LTCP Update

Receiving Water Body	Impervious Area Managed by GI
Black Rock Canal	168
Buffalo River	418
Cazenovia Creek (Class B section)	3
Cazenovia Creek (Class C section)	60
Erie Basin	49
Niagara River	412
Scajaquada Creek	510
Total Controlled Acreage	**1,620**

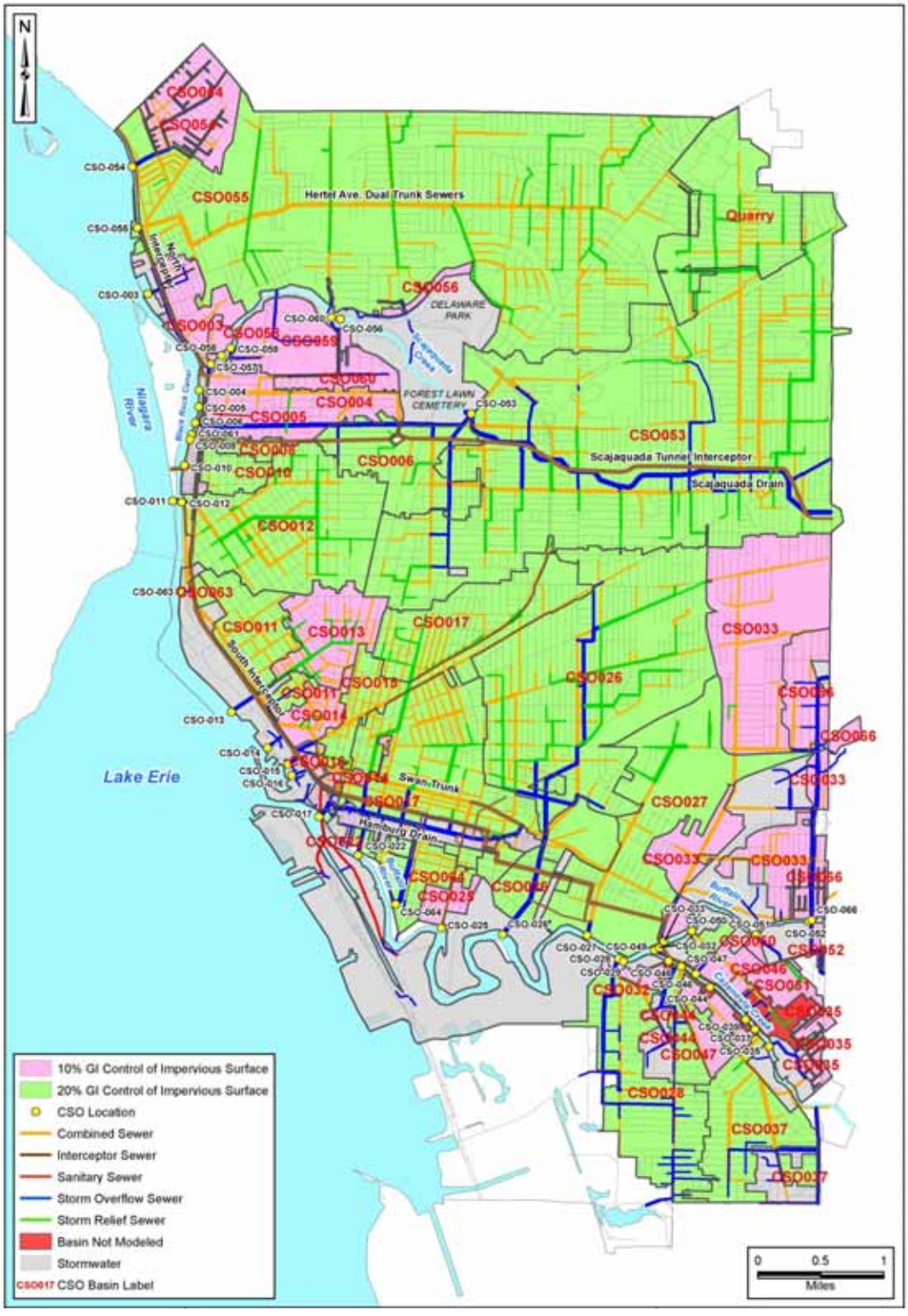

Figure 2-1: Recommended System-Wide GI Control Levels (2012 LTCP)

In order to simulate the effect of GI on CSO activations and volumes in the collection system model, the typical year rainfall pattern (1993 Typical Year) was adjusted to assume that the GI technologies controlled one-inch of rainfall over the impervious surface controlled. The model sub-catchments were then split into the areas controlled by GI (using either 10 percent or 20 percent), where the adjusted rainfall pattern was applied, and the "uncontrolled" areas where the unadjusted typical year rainfall pattern was applied. This is a typical industry approach for evaluating GI impacts on a system-wide basis. Once more project-specific information is developed unit or neighborhood scale-based modeling will be used for specific GI projects (or groups of projects) as further discussed in this report.

The 2012 LTCP Update also included a GI sensitivity evaluation that estimated the impact of reduced GI project performance on CSO volume and frequency versus that predicted for the Recommended Plan. Typical year precipitation simulation was conducted for the Recommended Plan gray components with 0 and 10 percent GI control scenarios. These modeling scenarios were designed to bracket the worst-case estimates of CSO control reductions associated with reduced GI performance. While the overall percent capture was not significantly reduced (for example, even if no GI was assumed, the percent capture was 96.5 percent), the reduced GI scenarios did show moderate increases in activations and residual CSO volumes. In addition to the hydraulic modeling sensitivity analysis, the BSA also evaluated the bacteria water quality impact of a reduced GI program, and found slight reductions in water quality standard attainment for the Lower Scajaquada Creek and Black Rock Canal compared to the attainment assuming full implementation of up to 20 percent GI control. Bacteria water quality standard attainment was 100 percent for the Niagara River, Erie Basin, and Buffalo River for all levels of GI.

2.2 2013 Refinement of GI Impervious Surface Control on SPP Basis

The GI control targets presented in the 2012 LTCP Update (summarized in Section 2.1 above) were further refined for this GI Master Plan to determine on the SPP level where the system would most benefit from GI technologies. The SPP activation statistics for the revised Foundation Alternative in the 2012 LTCP Update were reviewed along with the recommended activation frequency (level of control) for each receiving water body (RWB), and the target GI control level was modified using the same general rationale that was applied at the CSO level in the 2012 LTCP Update. The following GI control of impervious acreage targets were applied at the SPP level:

- Applied 0 percent to any SPP with predicted activations less than or equal to the RWB target level of control (LOC).
- Applied 20 percent to SPPs with activations greater than the RWB target LOC.
- Applied 0 percent to storm water only basins and any SPP basins that do not discharge directly to RWBs (e.g., Amherst Quarry SPPs).

The revised impervious surface control target percentages for GI are shown on Figure 2-2, while a summary of the revised impervious acreage to be controlled by GI for each receiving water body, as well as the acreage to be managed by GI from the 2012 LTCP Update is presented in Table 2-2. Overall there is a decrease in the impervious acres to the controlled by GI due to the refinement at the SPP level. Refining the impervious control acreage to the SPP level allowed for better identifying those SPPs (and by extension CSO outfalls) that would benefit most from implementing GI technologies, and also determining which SPPs would not benefit since they were already at or below the recommended RWB LOC. This refinement led to an overall reduction in impervious acreage to be controlled with GI technologies. This result is consistent with the intentionally conservative estimates used in the 2012 LTCP Update.

Table 2-2: Updated Impervious Area Target for Control by GI

Receiving Water	Area Managed by GI from 2012 LTCP Update (acres)	Updated Area Managed by GI (acres)
Black Rock Canal	168	198
Buffalo River	418	319
Cazenovia Creek - B	3	3
Cazenovia Creek - C	60	58
Erie Basin	49	53
Niagara River	412	378
Scajaquada Creek	510	305
Total	**1,620**	**1,315**

As shown in Table 2-2, this refinement resulted in minimal to moderate changes in controlled acreage on a receiving water body basis. Recommended acreages increased in the Black Rock Canal and Erie Basin, and decreased in the Cazenovia Creek –C, Buffalo River, Niagara River, and Scajaquada Creek. The most notable decrease occurred in the Scajaquada Creek basin, mainly due to the Amherst Quarry. The Amherst Quarry is a storage basin that stores excess flows during wet weather events, and then drains combined wastewater and storm water back to the collection system after wet weather flows subside for subsequent conveyance and treatment. Because of this, it was determined that there would be no CSO reduction benefit with application of GI technologies in areas tributary to the Quarry.

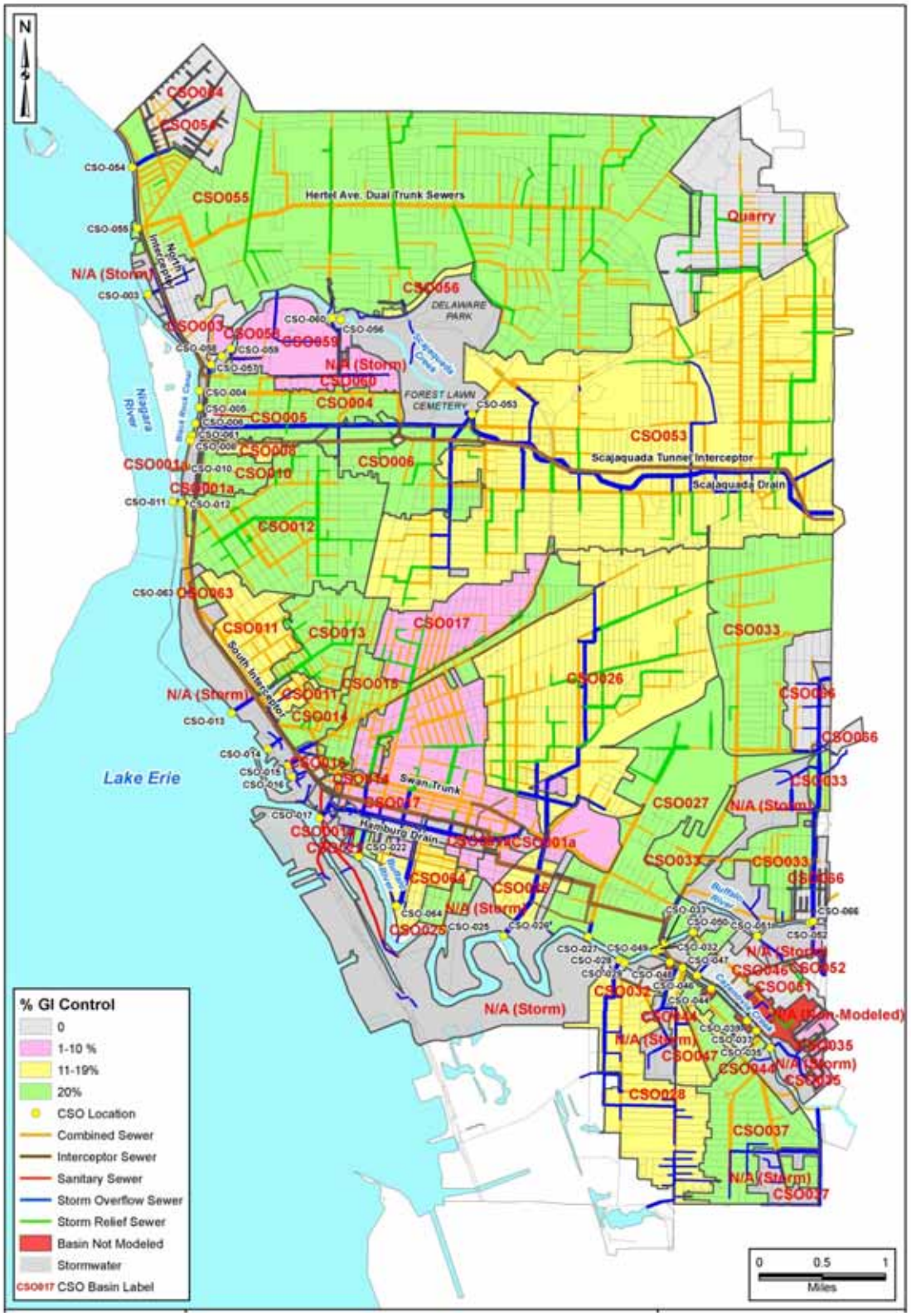

Figure 2-2: Refined System-wide GI Control Levels (Based on SPP Refinement)

The updated impervious area to be managed by GI technologies was then incorporated into the collection system model to determine the impact of the refined SPP-level GI control on achieving the target LOCs for each receiving water body. The refined GI control at the SPP level, with 1,315 acres of impervious area controlled by GI, was modeled with the Recommended Plan from the 2012 LTCP Update. In addition to the refined GI control areas, the BSA decided to incorporate the guidelines from the New York State Stormwater Management Design Manual (NYS SMDM) and plan for the more conservative minimum rainfall capture of 0.9 inch for future GI projects, rather than the 1-inch capture that was assumed for the 2012 LTCP Update. While the actual capture goals for individual GI projects implemented by the City are likely to exceed 0.9 inches of precipitation, this assumption represents a conservative approach. Therefore, the 0.9-inch rainfall capture was applied using the same general approach as was described in Section 2.1 when modeling the SPP-refined GI control areas.

The Recommended Plan with the refined impervious surface control acreages was evaluated for each receiving water body in terms of targeted reduction in CSO activations and volumes. Table 2-3 presents a comparison of model results for the SPP-refined GI control with the 2012 LTCP Update Recommended Plan. Residual volumes are presented for each CSO and receiving water body, as well as the remaining frequency of activation. As shown in Table 2-3, while the total system-wide CSO volume remaining increased slightly (approximately 4 percent), the residual activations in any given receiving water body remained the same and stayed within the targeted levels of controls (LOC) for each receiving water body. The projected increase in residual volume is well within the margin of error of the modeling tools and, accordingly, is insignificant, particularly in light of the conservative factors used elsewhere in the GI program and LTCP Update.

Table 2-3: Model Projected CSO-Only Volume and Frequency Results for SPP-based Refinement

CSO Outfall	Receiving Water	CSO-only Volume (Million Gallons)			CSO-only Frequency		
		Revised Baseline [1]	Preferred Alternative (2012) [2]	Preferred Alternative + Updated GI Control[3]	Revised Baseline [1]	Preferred Alternative (2012) [2]	Preferred Alternative + Updated GI Control[3]
003	Niagara River	0.1	0.7	0.8	6	5	5
004	Black Rock Canal	11.2	9.2	8.7	5	4	3
005	Black Rock Canal	0.1	0.1	0.1	4	4	4
006	Black Rock Canal	198.9	18.1	21.7	65	4	4
008	Black Rock Canal	6.1	0.0	0.0	39	0	0
010	Black Rock Canal	11.9	0.0	0.0	44	1	1
011	Niagara River	134.3	10.9	11.7	41	4	4

CSO Outfall	Receiving Water	CSO-only Volume (Million Gallons)			CSO-only Frequency		
		Revised Baseline [1]	Preferred Alternative (2012) [2]	Preferred Alternative + Updated GI Control[3]	Revised Baseline [1]	Preferred Alternative (2012) [2]	Preferred Alternative + Updated GI Control[3]
012	Black Rock Canal	52.5	0.9	0.9	42	2	2
013	Black Rock Canal	6.8	3.4	2.7	7	4	4
014	Erie Basin	4.2	2.8	3.1	4	2	2
015	Erie Basin	6.1	0.4	0.6	12	1	1
016	Erie Basin	0.0	0.0	0.0	0	0	0
017	Buffalo River	71.3	41.4	34.8	49	4	4
022	Buffalo River	29.8	1.7	2.0	49	4	5
025	Buffalo River	1.4	1.2	1.2	11	6	6
026	Buffalo River	124.2	27.0	29.6	63	3	3
027	Buffalo River	31.7	37.6	39.1	36	6	6
028	Buffalo River	45.5	20.6	22.7	69	6	6
029	Buffalo River	0.0	0.0	0.0	0	0	0
032	Buffalo River	0.0	0.0	0.0	0	0	0
033	Buffalo River	37.8	35.2	31.8	9	6	5
034	Buffalo River	0.0	0.0	0.0	0	0	0
035	Cazenovia Creek - B	0.0	0.0	0.0	0	0	0
037	Cazenovia Creek - C	23.3	11.8	11.9	13	6	6
039	Cazenovia Creek - C	0.0	0.0	0.0	0	0	0
044	Cazenovia Creek - C	2.3	0.7	0.7	7	2	2
046	Cazenovia Creek - C	1.3	1.2	1.3	1	1	0
047	Cazenovia Creek - C	8.7	1.3	1.5	44	2	3
048	Cazenovia Creek - C	0.0	0.0	0.0	0	0	0
049	Buffalo River	0.0	0.0	0.0	0	0	0
050	Buffalo River	3.2	2.5	2.8	14	4	5
051	Buffalo River	1.2	1.0	1.2	4	4	4
052	Buffalo River	10.9	6.2	6.3	10	3	3
053	Scajaquada Creek	268.0	44.5	52.1	65	4	4
054	Niagara River	0.0	0.0	0.0	0	0	0
055	Cornelius Creek	601.1	196.3	206.2	41	9	9

CSO Outfall	Receiving Water	CSO-only Volume (Million Gallons)			CSO-only Frequency		
		Revised Baseline [1]	Preferred Alternative (2012) [2]	Preferred Alternative + Updated GI Control[3]	Revised Baseline [1]	Preferred Alternative (2012) [2]	Preferred Alternative + Updated GI Control[3]
056	Scajaquada Creek	0.04	0.02	0.01	5	4	3
057	Scajaquada Creek	0.0	0.0	0.0	0	0	0
058	Scajaquada Creek	0.0	0.0	0.0	0	0	0
059	Scajaquada Creek	0.0	0.0	0.0	0	0	0
060	Scajaquada Creek	0.7	0.0	0.0	5	0	0
061	Black Rock Canal	31.2	1.1	1.2	10	2	2
063	Black Rock Canal	0.6	0.3	0.3	13	4	4
064	Buffalo River	21.1	6.1	6.9	56	2	3
066	Buffalo River	1.7	0.5	0.4	10	4	4
	Total	**1,749.1**	**485.1**	**504.3**			

Notes:

(1) Revised Baseline results from Table 11-3 of the BSA's LTCP.

(2) Preferred Alternative results from Appendix 12-2 of the BSA's April LTCP Update.

(3) Results for 2012 LTCP Plan are based on capturing the first 1-inch of rainfall; the Updated GI Control (refined by SPP) results are based on capturing 0.9-inch of rainfall per NYS SMDM guidelines.

2.3 Implementation Schedule

The green infrastructure program will be implemented in phases as shown in Table 2-4.

Table 2-4: Proposed GI Implementation Schedule

Phase	Target (acres) 2012 Plan	Target (acres) 2013 Plan Proposed	*Detailed Plan Due*	Project Design and Construction	Post Construction Monitoring
Green 1	145	267[1]	Y 0	Y1-Y4	Y3-Y5
Green 2	320	410	Y 4	Y5-Y8	Y6-Y9
Green 3	485	375	Y 8	Y9-Y13	Y10-14
Green 4	670	263	Y13	Y14-Y18	Y15-Y19
Total	**1,620**	**1,315**			**19 Y**

Note: (1) See Section 7 for Phase 1 GI project acres.

The 2012 schedule for 1,620 acres was based upon green infrastructure modeling at the CSO level. The more detailed, SPP level modeling prepared in 2013 indicates that the same level of control may be achieved through a 1,315 acres of impervious surface runoff control.

Since the SPP level based GI allocation provides a more refined and cost-effective approach, the BSA will work towards a 1,315-acre total green infrastructure program effort. However, the BSA will utilize modeling and post construction monitoring of the first three phases to confirm that the 1,315 target acres will be sufficient to meet the negotiated level of control objectives. If needed, the Phase 4 GI acreage target will be adjusted to ensure the negotiated level of control is achieved. Any adjustments will be proposed with the submission of the Green 4 plan in program year 13.

In response to public comment on the 2012 LTCP Update, the BSA remains committed to evaluating opportunities to minimize grey infrastructure investments through the use of additional cost-effective green infrastructure approaches. The target acreage above is a minimum program commitment. Any additional green infrastructure acreage proposed in conjunction with the optimization of grey projects would be in addition to the acreage above.

This approach allows the BSA to adaptively manage the green infrastructure program to incorporate lessons learned in each five year program and take advantage of land use and infrastructure investments projected for each period to maximize value to the larger community.

3. ENVIRONMENTAL CONDITIONS

The effectiveness of any green infrastructure program or technology is highly dependent on an area's climate and environmental conditions. This section presents the environmental conditions in the Buffalo area that may affect the selection and performance of GI technologies.

3.1 Climate

Buffalo's weather is varied and is affected to a significant degree by its proximity to Lake Ontario and Lake Erie. Prevailing winds are from the southwest, blowing over Lake Erie before reaching the City. Annual precipitation is moderate and fairly evenly divided throughout the year, with high intensity rainstorms occurring in the summer months. Spring is typically cool and cloudy, summer dry and sunny, and autumn typically has long dry periods. The first frosts generally occur in mid-October and snowfall begins in November or December. Temperatures in the winter months generally remain below freezing, but seldom drop below zero degrees Fahrenheit, while in the summer months, rarely reach above 90 degrees Fahrenheit.

Over the entire year, the most common forms of precipitation are light snow, light rain, moderate rain, thunderstorms, and moderate snow. Generally speaking, during the warmer months (late May to mid-September) there is a 47 percent average chance that precipitation will be observed at some point during a given day. Typically these precipitation events occur in the form of thunderstorms. During the colder months, (early December through mid-March 13) there is an 82 percent average chance that precipitation will be observed at some point during a given day. When precipitation does occur, it is most often in the form of light snow.

In order to predict annual CSO activations and frequencies representative of average conditions for their LTCP, the BSA reviewed meteorological data in support of developing its combined sewer system model. After several iterations in response to the Agencies' comments, the 1993 year (with some modifications) was selected as the "typical" year for modeling purposes. A detailed description of the model "typical year" development process was presented in Section 2.2.1 of the 2012 LTCP Update.

The 1993 typical year modeled has 156 rainfall events; however, only 69 of those events resulted in CSO overflows. As shown on Figure 3-1, the majority of CSO events (61 of the 69 events) occur during events with precipitation of less than 1-inch. However, Figure 3-2 shows that that the majority of CSO volumes occur with the rainfall events greater than 1.0 inch. These figures suggest that green infrastructure has the potential to control many of the CSO events.

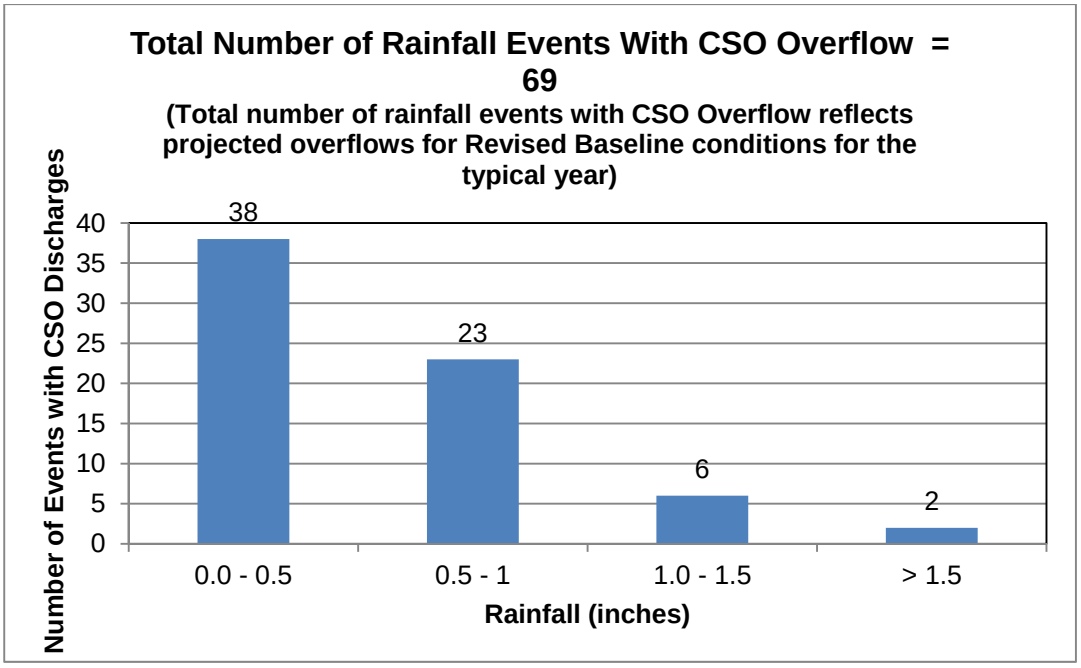

Figure 3-1: Rainfall and Annual CSO Events (1993 Typical Year, Revised Baseline Conditions)

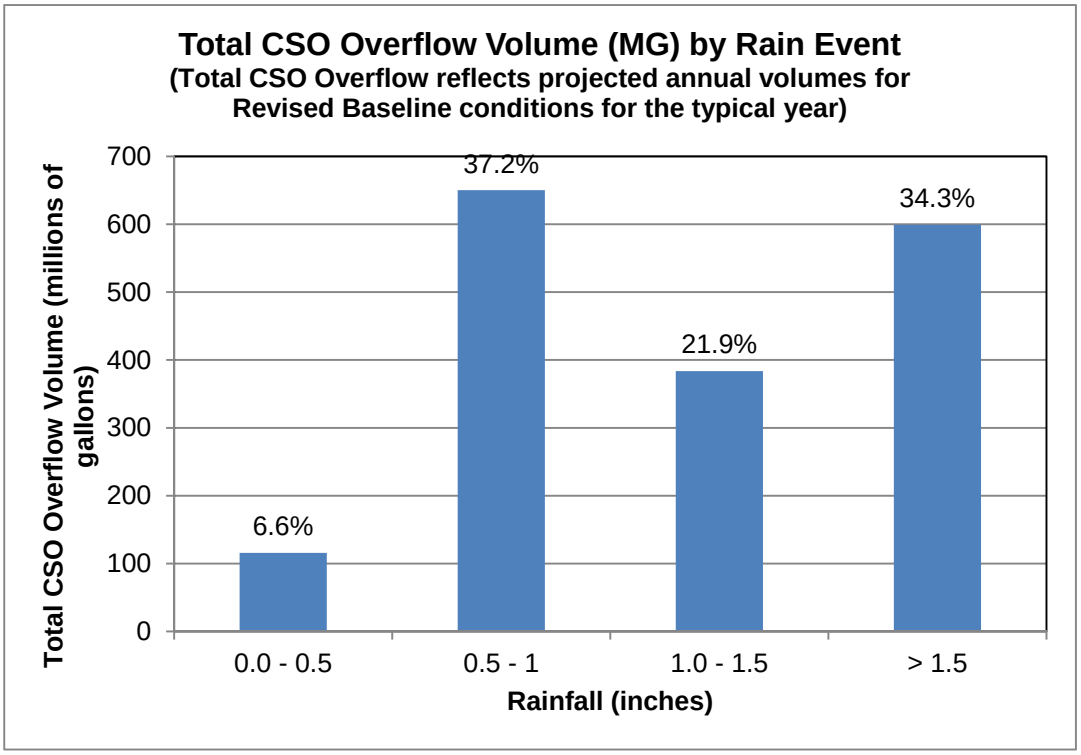

Figure 3-2: Rainfall and Annual CSO Volume (1993 Typical Year, Revised Baseline Conditions)

3.2 Topography

The second environmental condition that impacts the success of a GI program is topography. The greater the topographical relief of an area, the less likely it will be that GI will capture storm water and the more likely it will be that the storm water will run off. An evaluation of the City of Buffalo suggests that the City's topography is relatively moderate. Ground elevations range from 580 ft above mean sea level in the southwest, to 700 ft in the northeast portion of the city. The northern half of the city slopes downwards from east to west. The southern half of the city is divided by the Buffalo River and Cazenovia Creek, both sides of which slope towards the river and creek. The area north of the Buffalo River slopes downwards to the southwest; the area south of the Buffalo River is flat and marshy in the western part, and slopes mildly northwest in the eastern part. Figure 3-3 below, taken from the 2012 LTCP Update, shows graphically the topography of the area. Again, this moderate topography further favors GI.

3.3 Soils

Generally speaking, within the City, the overburden geology is comprised of surface soils underlain by historic lake bed clay and silt. However, soil conditions, and associated infiltration rates, vary considerably throughout the City. When selecting a specific green infrastructure technology for application on a particular site, the soil composition of that site will determine whether infiltration is possible or detention/retention approaches must be utilized.

While typically an area's soil types are displayed on US Department of Agriculture soil survey maps; in 1982, Earth Dimensions prepared a detailed inventory of the top three to four feet of soil in the City of Buffalo. These data were later digitized (see Figure 3-4) and has been used in this effort as the reference data set because it provides more detailed information than the official federal soil survey for Erie County. As shown on Figure 3-4, the 1982 report for Buffalo includes 45 different soil types. The major categories are shown in Table 3-1.

While the 1982 data were used to categorize the soils within the City of Buffalo, the 1986 Erie County Soil Survey was referred to for details on the properties of each soil class, noting changes in soil properties with changes in soil depth. Of particular interest for storm water management and green infrastructure are the soil's hydrologic group (which considers the inherit capacity of bare soil to permit infiltration ranging from high (A) to low (D)), the soil's permeability (the extent to which the soil allows water to move downward - measured in inches per hour) and the depth to clay.

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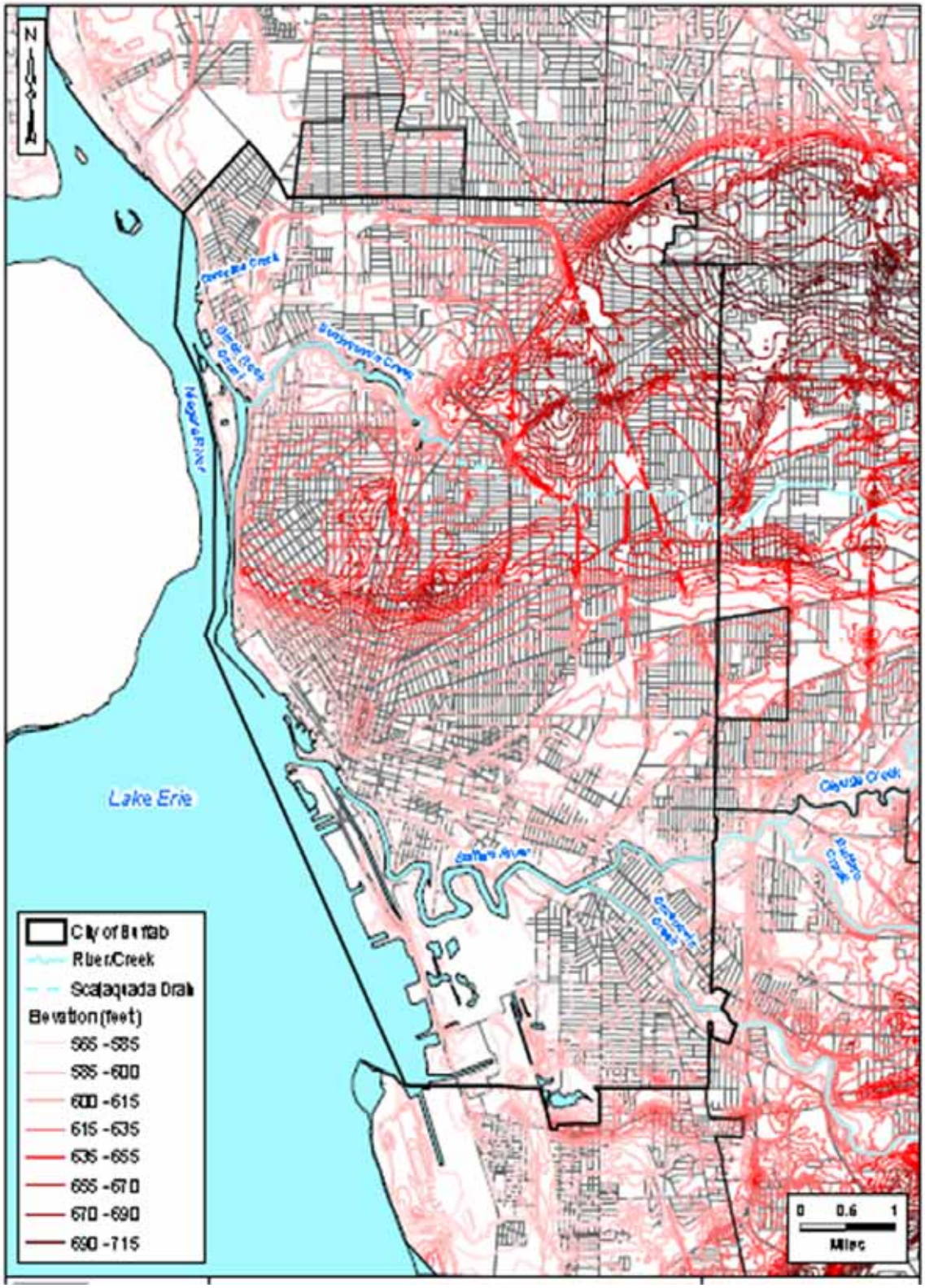


Figure 3-3 Topography of the City of Buffalo

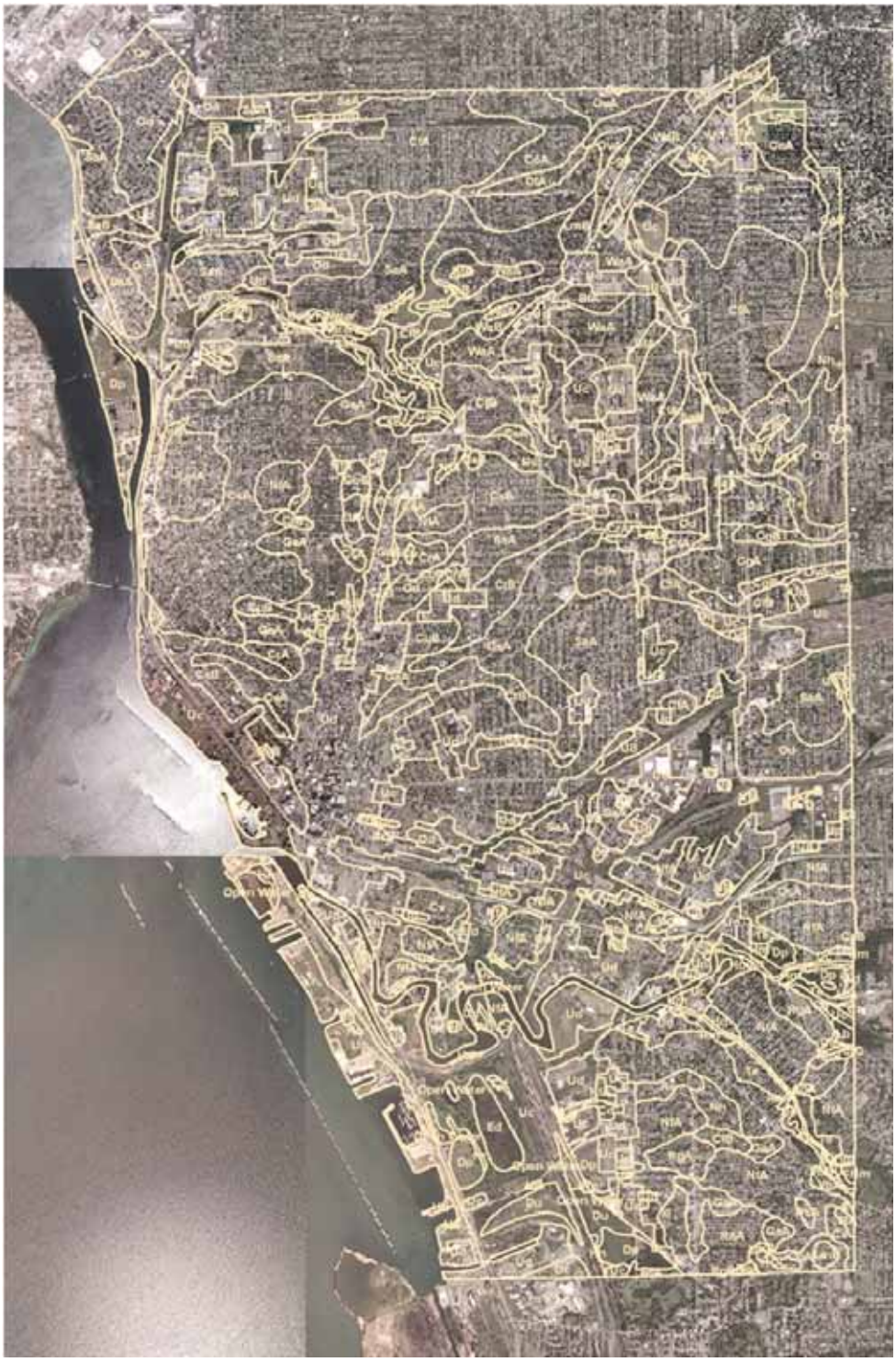


Figure 3-4: Detailed Soil Inventory (Source: Earth Dimensions, 1982)

Table 3-1: Major Soil Type Categories

General Group	Description
Gravelly and cherty loams, loamy sand, sandy loams (Varysburg gravelly loam, Colonie/ Elnora/ Claverack/Cosad loamy sands, Galen/Arkport sandy loams; Benson cherty loams)	Well drained and aerated soils workable most of the year. They are very light to handle and quick to warm up in spring. Unless they have high organic content, these soils are prone to drying out quickly and loss of nutrients.
Medium loams, sandy clay loams and silty loams Loams (Honeoye, Lima); Silt Loams (Angola, Canadice, Canandaigua, Cayuga, Cazenovia, Churchville, Collamer, Hamlin, Ilion, Lakemont, Lyons, Niagara, Odessa, Ovid, Raynham, Red Hook, Rhineback, Schoharie, Teel, Wassaic, Wayland),	These average soil types achieve a good balance between the ability to be very productive and require minimal attention.
Haplaquolls, ponded	Freshwater marshes made up of very poorly drained soils ponded with shallow water most of the year
Fluvaquents	Soils formed in recent stream deposits subject to frequent flooding
Udorthents	Various kinds of excavated earthy material that has been stockpiled for use as fill or topdressing, soil and rock material that has been trucked in from other areas and leveled or soil deposits that are left in areas that have been excavated.
Urban Soils	Miscellaneous areas in which 80 percent or more of the soil surface is covered by asphalt, concrete, buildings or other impervious structures
Dumps	Excavated areas filled with rubbish or debris

Beneath the topsoil lie two physiographic units, the Lake Tonawanda Plain to the north and the Lake Erie Plain to the south. These plains are separated by the Onondaga Escarpment, which runs from the northeast corner of the city at the University of Buffalo Main Street campus to Bird Island.

The Tonawanda Plain is a flat lake plain that was occupied by the glacial Lake Tonawanda in the Pleistocene period approximately 10,000 years ago. Lake Tonawanda was 8 miles wide, 35 feet deep and covered an area approximately 50 miles long, from the present day Niagara River east to Holley, New York. The Onondaga Escarpment was the south shore, and the Niagara Escarpment, which parallels the south shore of Lake Ontario, was the north shore. The present day Oak Orchard Swamp in Genesee County is regarded as the remnant of Lake Tonawanda. The Lake Tonawanda Plain is drained by westward-flowing Tonawanda Creek. Overburden deposits are mostly lake bottom silt and clay.

The rest of the City, south of the Onondaga Escarpment, is within the Lake Erie Plain. Similar to the Lake Tonawanda Plain, the Lake Erie Plain was covered by a fresh water lake during the Pleistocene period. The ancestral lakes of the Lake Erie Plain were much larger and deeper than Lake Tonawanda and several beach ridges have been mapped east

of, and at higher elevations than, the City of Buffalo. Overburden deposits are mostly lake sediments of clay and silt, zero to 60 feet. The Lake Erie Plain surficial geology consists of a thin glacial till, glaciolacustrine deposits, and recent alluvium.

The City of Buffalo's soils are suitable for the application of GI, especially in light of modern engineering technologies, which facilitate incorporating GI practices for sites with clay soils. Many steps can be taken to design green infrastructure practices that meet stormwater volume control and water quality goals. In designing GI projects in general and, in particular to accommodate areas with lower permeability soils, the USEPA recommends that GI projects take into account factors such as the addition of soil amendment, planting of deep-rooted vegetation, including expanded storage layers and underdrains or in the worst case, employing GI technologies that do not require infiltration in the first place.

Additional measures may be required to address poor soil permeability in some locations and include:

- Amend soils beneath infiltration technologies: Amending clay soils with compost or other organic matter can increase soil infiltration rates, while improving soil fertility and improving the ability of the soil to remove pollutants.
- Plant deep-rooted vegetation: Deep-rooted vegetation enhances soil infiltration rates by creating small conduits for water to infiltrate and increasing biological activity in the soil. A 2010 report by the U.S. Geologic Survey found that the median infiltration rate of a clay soil planted with prairie species (0.88 inches/hour) was more than three times the median infiltrate rate of a clay soil planted in turf (0.28 inches/hour).

Each GI project will be designed based on appropriate geotechnical investigations to accommodate actual field conditions, thus giving each the highest probability for success. In the event the soil conditions dictate that a particular technology will not be suitable or cost effective, other storage/detention GI technologies will be evaluated or other more suitable areas will be selected.

3.4 Bedrock

Beneath the overburden deposits, most of the City is underlain by hard limestone and dolostone bedrock formations. In the southern quarter of the City, softer shale formations overlie the limestone.

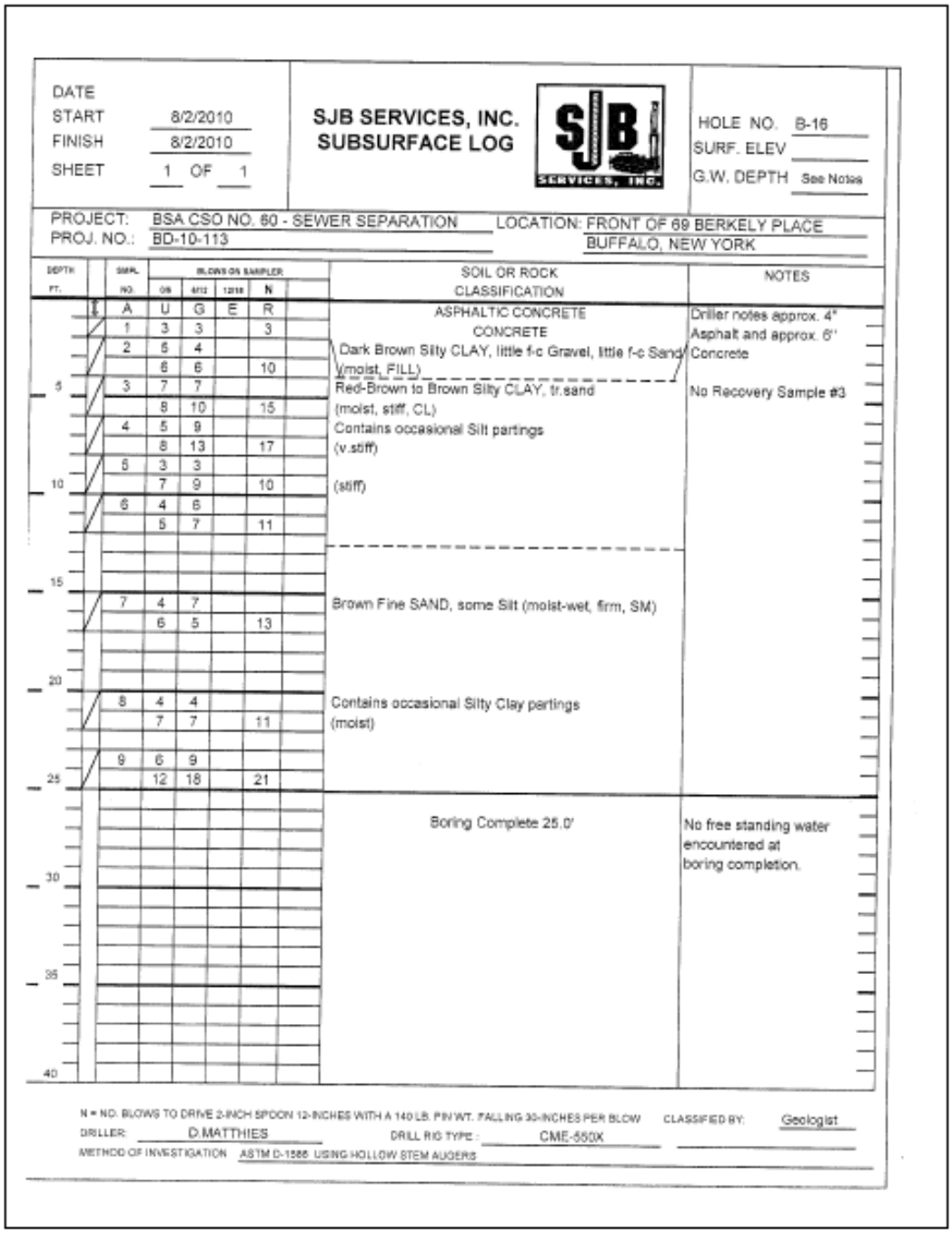
The bedrock formations generally strike in an east / west direction and dip to the south at approximately 40 feet per mile. Because of this southward dip angle and the relatively flat topography, six different rock formations are present beneath the overburden within the City of Buffalo. The bedrock sequence decreases in age from north to south. The

individual bedrock formations were described in detail in Section 2.2 of the 2012 LTCP Update.

While depth to bedrock varies across the City, the BSA is confident that there is adequate overburden depth in most areas of the City to accommodate GI.

3.5 Groundwater

Typically groundwater elevations impact the overall performance of GI techniques especially those involving infiltration. In the City of Buffalo and in particular in the areas of the projects completed to date, groundwater has not been a concern. However, like any other subsurface construction project, groundwater can be evaluated through geotechnical subsurface analysis. For example, boring logs provided for the CSO 060 project included references to the presence or absence of groundwater, as shown on Figure 3-5. Similarly, appropriate geotechnical investigations will be completed for all future major GI projects exclusive of vacant property building demolitions to identify the potential for groundwater to impact the GI performance. Again, these geotechnical investigations will be followed by site specific designs for optimal GI project performance.



DATE
START 8/2/2010
FINISH 8/2/2010
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-16
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: BSA CSO NO. 60 - SEWER SEPARATION
PROJ. NO.: BD-10-113
LOCATION: FRONT OF 69 BERKELY PLACE
BUFFALO, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	A	U	G	E	R	ASPHALTIC CONCRETE	Driller notes approx. 4" Asphalt and approx. 6" Concrete
	1	3	3		3	CONCRETE	
	2	5	4			Dark Brown Silty CLAY, little f-c Gravel, little f-c Sand (moist, FILL)	
		6	6		10		
5	3	7	7			Red-Brown to Brown Silty CLAY, tr.sand	No Recovery Sample #3
		8	10		15	(moist, stiff, CL)	
	4	5	9			Contains occasional Silt partings	
		8	13		17	(v.stiff)	
	5	3	3				
10		7	9		10	(stiff)	
	6	4	6				
		5	7		11		
15							
	7	4	7			Brown Fine SAND, some Silt (moist-wet, firm, SM)	
		6	5		13		
20							
	8	4	4			Contains occasional Silty Clay partings (moist)	
		7	7		11		
	9	6	9				
25		12	18		21		
						Boring Complete 25.0'	No free standing water encountered at boring completion.
30							
35							
40							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. FIN WT. FALLING 30-INCHES PER BLOW
CLASSIFIED BY: Geologist
DRILLER: D.MATTHIES
DRILL RIG TYPE: CME-550X
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Figure 3-5: Example Soil Boring Log from CSO 060 Project
(Source: URS Project Design Drawings, 2011)

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4. LAND USE AND IMPERVIOUS SURFACE

The City of Buffalo is characterized by a range of land uses, including residential, commercial, industrial, community services, vacant lands and open space and recreation. Land uses throughout the City were identified using the New York State Office of Real Property Services (NYSORPS) land use class codes provided by Erie County (2012). Figure 4-1 illustrates the distribution of land uses throughout the City of Buffalo based on the 2012 parcel data.

Stormwater runoff is generated predominantly by impervious surfaces on both public and private land within the City of Buffalo. Table 4-1 provides a breakdown of City of Buffalo land use by category, the average imperviousness of each land use and the percentage of total City imperviousness by major land use groups. The impervious surface areas were then mapped by land use (using the 2013 land use data provided by the City of Buffalo), as shown on Figure 4-2. The percentages of impervious surfaces shown on Table 4-1 for each land use were determined from a variety of sources including sampling of a select number of parcels completed by the BSA and ARCADIS, as well as sampling completed by the Buffalo Niagara Riverkeeper (Riverkeeper). Absent of actual field data, impervious surface percentages were obtained from the New York State Stormwater Management Design Manual (NYS SMDM). Each major group of property class codes is discussed in the following sections.

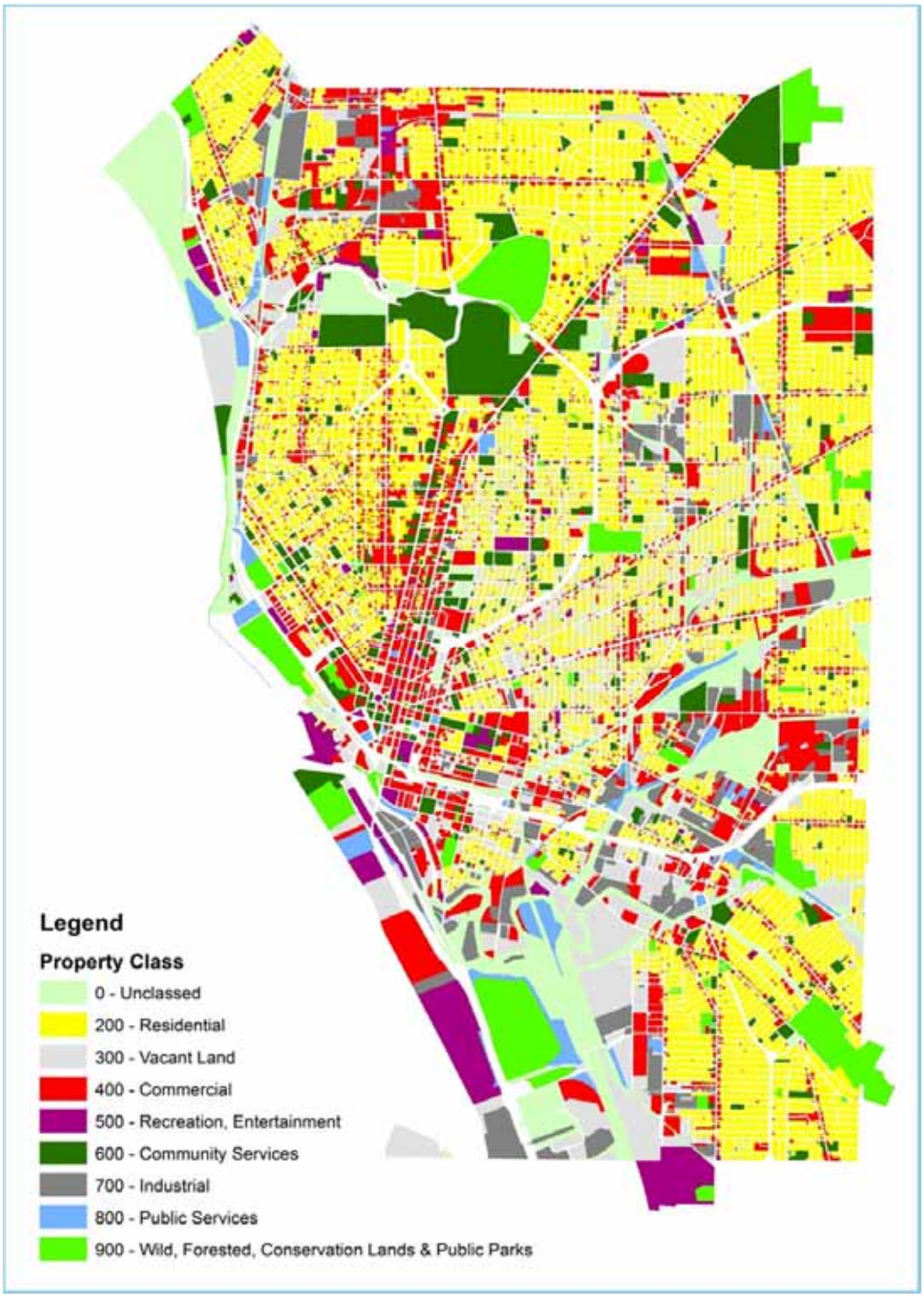

Figure 4-1: Land Use Distribution (2012 data)

Table 4-1: Land Use Distribution in Buffalo

Group	Property Class Code	Description	All City Land (2013)			Impervious Surfaces			
			Acres	% Total Acres	Group % Total	Avg %	Acres	% Total	Group % Total
Buildings and Lots	200	Detached Residential	7,051	27.1	52.9	56 [1]	3,977	27.4	60.2
	411	Multi-Family Residential	735	2.8		90 [2]	662	4.6	
	400 (excl 438)	Commercial	2,403	9.2		90 [1]	2,163	14.9	
	700	Industrial	1,267	4.9		75 [2]	950	6.6	
	800	Public Service/Utilities/ Railroads	513	2.0		50	257	1.8	
	600 (excl. 653)	Community Services/Institutional	1,773	6.8		40 [3]	709	4.9	
Transport	----	Street ROW	4,401	16.9	17.2	95 [2]	4,181	28.9	29.3
	653	Parking Lots - Public	27.18	0.1		95 [2]	26	0.2	
	438	Parking Lots - Private	45	0.2		95 [2]	43	0.3	
Vacant Land	300	Public	1,242	4.8	12.5	5 [2]	62	0.4	1.1
	300	Private	2,012	7.7		5 [2]	101	0.7	
Open Space	500	Recreation	702	2.7	7.9	9 [3]	63	0.4	0.9
	900	Wild, Forested, Conservation	1,353	5.2		5	68	0.5	
	None	Unknown	2,460	9.5	9.5	50	1,230	8.5	8.5
		TOTAL/AVERAGE	**25,984**	**100**	**100**	**56**	**14,490**	**100**	**100**

NOTES: 1. Estimated by ARCADIS using parcel samples across the City.
2. From Buffalo Niagara Riverkeeper analyses.
3. From NYS SMDM.

Figure 4-2: Estimated Percent Imperviousness (2013)

4.1 Buildings and Lots

Buildings and developed lots represent 52.9 percent of the land area in the city and approximately 60 percent of the City's impervious surfaces. This is a diverse category comprised of one and two family homes, multi-family residences, public facilities, commercial or office buildings, industrial and manufacturing facilities and mixed-use developments. Based on the 2012 NYSORPS parcel data, approximately 72.4 percent of the City's total parcels are classified as residential uses, comprising 32.7 percent of the City's imperviousness. This composition is likely an underestimate as apartment complexes and certain multi-family units are classified separately as commercial (income generating) uses. Commercial properties are the third largest land use and consist of seven percent of parcels throughout the City and 14.8 percent of the City's parcel area. Commercial areas are concentrated along primary thoroughfares leading into the downtown core (e.g. Elmwood Avenue, Delaware Avenue, Jefferson Avenue etc.), as well as throughout the downtown core.

ARCADIS estimated the percent imperviousness for 18 residential parcel samples throughout various sections of the City, as shown on Figure 4-3, which resulted in an average of 56 percent impervious for these types of properties across the City. Riverkeeper samples suggested a similar average. The ARCADIS sampling of commercial property imperviousness averaged 90 percent, slightly lower than the Riverkeeper estimate of 95 percent, making it a more conservative figure. This 90 percent figure was extended to the City's multi-family residential land use code as well. The 2011 Riverkeeper imperviousness analysis for industrial land (75 percent) was utilized as it was more representative of local conditions than the NYS SMDM estimate for light industrial uses at 48 to 59 percent. Institutional and community services were estimated at 40 percent impervious in accordance with the NYS SMDM, which is slightly higher than the Riverkeeper estimate of 35 percent. Public service/utilities parcels are comprised of both full lot coverage facilities as well as large transmission line parcels. In the absence of NYS SMDM estimates for these types of parcels, 50 percent imperviousness was assumed.

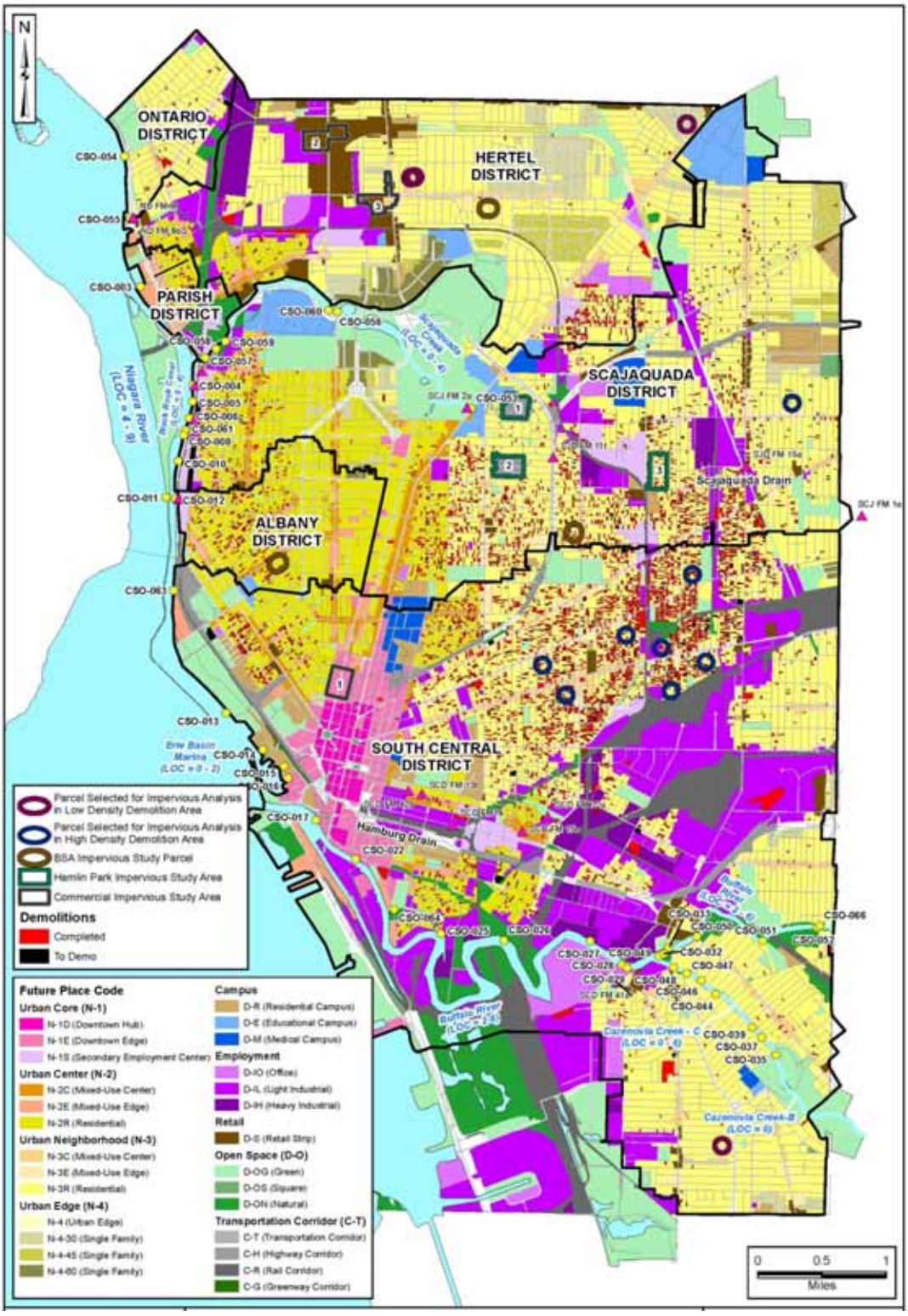

Figure 4-3: Parcel Sample Locations for Imperviousness Analysis

4.2 Residential Rooftops

According to the 2012 GI analysis of the City's CSO basins, there are approximately 2,110 acres of residential roof surfaces in the City. Nearly all of Buffalo's residential roofs are pitched to quickly release heavy snowfall. Historically, residential roof gutter downspouts were required by City law to be connected directly to the combined sewer system in order to minimize seepage into residential stone walled basements. Currently, under § 491-80 of the City Code, "Every owner or occupant of any building in the City of Buffalo which is connected with any sewer in the City shall construct thereon and keep in repair eaves troughs and rain leaders connecting with such sewer pipe or sewer connection. Such eaves troughs and rain leaders shall at all times conform to the requirements of the Health Commissioner". However, § 491-81 regarding disconnection from sewer system provides that "where deemed necessary by the Buffalo Sewer Authority to alleviate street and basement flooding or to eliminate certain combined sewer overflows, the Buffalo Sewer Authority in certain areas shall disconnect and splash block such eaves troughs and rain leaders to alleviate basement flooding or to eliminate combined sewer overflows."

4.3 Vacant Residential Structures

According to the 2010 census, approximately 20,908, or 15 percent, of the City's housing units are vacant. At an average of 2.5 units per structure, the City estimates that 7,500 structures are vacant. Local professionals recognize that in many cases, where a residential structure has been abandoned or vacant for more than 18 months, environmental conditions and looting of the plumbing and architectural features often make cost effective renovation impracticable. While a detailed vacant property inventory does not exist for the City, as of 2013, the City's Permit and Inspections office identified at least 651 residential structures in need of demolition due to the hazardous condition of the buildings.

Between 2001 and 2013, the City demolished 4,912 residential structures on approximately 407 acres of land. The City of Buffalo specifications currently require that demolitions remove all structures and impervious surfaces including homes, garages and sheds, driveways and patios. The resultant lot is considered fully pervious for BSA LTCP modeling purposes

4.4 Road Rights-of-Way

Depending on the data source used, road rights-of-way including sidewalks occupy between 4,400 and 4,938 acres of land in the City[1]. These surfaces comprise at least 17.5 percent of the city's land area and approximately 30 percent of its impervious surfaces.

[1] Riverkeeper estimates 4,938 acres of road surfaces with 100 percent imperviousness. The City's parcel GIS system estimates 4,473 acres and the 2012 LTCP GI analysis of City CSO basins estimates 4,603 acres.

Local roadways fall under the jurisdiction of the City of Buffalo Department of Public Works & Streets (DPW). The DPW reconstructs roadways and sidewalks, repaves roads, maintains bridges and tunnels, plants trees, regulates private tree plantings, and regulates the geometry and specifications of roadbeds and sidewalks, street furniture, and lighting. The DPW cleans the streets and picks up litter and garbage, which is sometimes supplemented by business improvement districts and other community-based organizations. The DPW works with the BSA and Buffalo Water Authority to build and maintain catch basins, sewers and water mains. The BSA has regulatory control over all sanitary and storm sewer connections. The BSA has a good working relationship with other City departments, such as the DPW, that facilitates coordination of related projects. The Buffalo City Code and Charter Chapter 413 regarding Streets and Sidewalks requires private landowners to maintain sidewalks and snow storage areas in front of private property.

The NYS Department of Transportation (NYSDOT) manages the I-190, NY-198, NY-33, NY-5 from Church Street south to the City line, West Tupper from Delaware to Elm, and Elm, Oak and Church Streets within the City. The NYSDOT owns Broadway from Michigan to the east City line and Delaware Ave from Nottingham to the north City line, but pays the City to maintain them.

4.5 Vacant Lots and Open Space

Typically, the most significant limitation to the implementation of green infrastructure in urban areas is space. At the overall City level, historic decline has created unique opportunities to repurpose former industrial and residential areas. The City of Buffalo's current population is roughly 40 percent of the City's peak population in the 1950s. This population decline, coupled with the closure of significant industrial complexes, has dramatically reduced the demand for developed land in the City of Buffalo. Both the number and acreage of assessed vacant parcels has increased steadily since 1997 as illustrated in Table 4-2.

Table 4-2: Vacant Parcels and Acreage in the City of Buffalo

Year	Parcels	Acreage
1997	10,200	2,587
2000	10,947	2,551
2005	13,904	3,164
2010	15,897	3,322
2013	16,119	3,254

In 2013, of the 94,856 total City of Buffalo parcels, 16,119 parcels (17 percent) are categorized as vacant land. These vacant parcels occupy approximately 3,254 acres of

land, or 12.5 percent of the City total. Currently, approximately one-third of vacant land is publicly owned.

Open space, including park and conservation lands, represents approximately 7.9 percent of the land area in the city, but only 0.9 percent of impervious surfaces. These figures reflect the fact that parklands contain significant pervious surfaces that absorb rainwater.

Together, vacant lands and open spaces comprise only 2 percent of total imperviousness in the City. While impervious surfaces within City parks are relatively small, the City of Buffalo DPW has included GI practices in facility improvement efforts such as the LaSalle Park parking lot bioswale and the Broderick Park porous parking and pathway.

Under the City of Buffalo proposed Green Code, substantial areas of publicly held vacant land will remain vacant as new development is directed to areas with the strongest growth potential.

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5. GREEN INFRASTRUCTURE TECHNOLOGY OVERVIEW

The New York State Stormwater Management Design Manual serves as one the guidelines for the application of green infrastructure technology within New York. According to the NYS SMDM:

> Green infrastructure includes a wide array of practices at multiple scales to manage and treat stormwater, maintain and restore natural hydrology and ecological function by infiltration, evapotranspiration, capture and reuse of stormwater and establishment of natural vegetative features. A green infrastructure approach has three primary components that mitigate the effects of stormwater runoff from development:
>
> 1. Avoiding the impacts – Avoid or minimize the disturbance by preserving natural features and using conservation design techniques
> 2. Reducing the impacts – Reducing the impacts of development by reducing impervious cover
> 3. Managing the impacts – Managing the impacts by using natural features and runoff reduction practices to slow down the runoff, promote infiltration and evapo-transpiration and consequently minimize the need for the structural "end-of-pipe" practices

As described in Section 4 regarding Land Use, almost 14,500 acres of impervious surfaces currently exist and generate stormwater runoff within the City of Buffalo that results in combined sewer overflow events. Significant opportunities exist to both reduce the impervious surface cover in the City and manage the impacts of impervious surfaces - reducing peak storm overflow rates, as well as the volume of storm water generated by a site.

5.1 Avoiding the Impact of New Development

In 2014, the City of Buffalo hopes to finalize the adoption of its Green Code, replacing a fifty year old, antiquated land use regime with a modern, form-based code. The Buffalo Green Code incorporates City and neighborhood level land use policies recommended in both the NYS SMDM as well as the USEPA's Water Quality Scorecard. Consistent with first two green infrastructure components above, the green policies promote the protection of natural hydrological resource areas and minimization of impervious areas. In particular, the Buffalo Green Code:

- Promotes compact, mixed use and transit oriented development, reducing the amount of impervious surface needed for new buildings and associated transportation services;
- Promotes street oriented development with build-to lines that help to minimize driveway lengths;

- Promotes traditional urban lot sizes, encouraging taller buildings with smaller impervious footprints;
- Preserves significant open space areas that retain, Removes minimum parking requirements, discouraging the creation of unnecessary paved areas;
- Encourages the use of landscaping and innovative paving materials for stormwater management;
- Requires on site stormwater management for all new development with detailed engineering review for all projects greater than one acre in scope as well for most parking lots;
- filter and store rainwater;
- Requires management of construction runoff for projects greater than one acre in scope;
- Supports the use of rain barrels, gardens, cisterns and other water retention technologies.

5.2 Reducing the Impact with Impervious Surface Reduction

The NYS SMDM identifies six impervious surface cover reduction practices:

- Roadway Reduction
- Sidewalk Reduction
- Driveway Reduction
- Cul-de-Sac Reduction
- Building Footprint Reduction
- Parking Reduction

As discussed in Section 4 regarding land use, the demand for developed land in the City of Buffalo has declined for several years. Impervious surface reduction in this context has consisted of:

- The demolition of 4,912 residential structures and driveways (building footprint and driveway reduction) between 2001 and 2013;
- Demolition of 483 commercial structures (building footprint and parking reduction) between 2001 and 2013
- Deconstruction of industrial structures (building footprint reduction) and parking areas (parking reductions) in conjunction with the cleanup of contaminated and brownfield sites; and
- The reduction of roadway pavement areas in response to reduced residential and commercial vehicle traffic (roadway reduction.)

Collectively, this transition has resulted in an increase of 25 percent in the City's vacant land acreage since 1997. This trend is expected to continue as the City works to address the more than 20,000 vacant housing units identified in the 2010 Census.

5.3 Managing the Impact with Runoff Reduction

There are three major runoff reduction approaches: detention, retention and bioretention/ biofiltration.

5.3.1 Detention

One control technique is the temporary detention of storm water at the source while peak runoff from storms dissipates. Detention systems include rooftop detention systems ("blue roofs") and underground storage tanks. By slowly releasing storm water to the system, detention controls free up capacity in the sewer system allowing the wastewater treatment facility time to process and treat combined sewage and storm water flows. Essentially, detention source controls function as smaller versions of traditional large storage tanks.

5.3.2 Retention

Retention techniques remove storm water permanently from the wastewater collection system for use or infiltration on site. Retention systems include cisterns, gravel beds that infiltrate runoff into the ground, permeable or porous pavement, and systems that collect water for non-potable water reuse. Retention can help restore the natural hydrology and improve water quality by reducing the volume and frequency of flows that cause pollution.

5.3.3 Bioretention or Biofiltration

Bioretention or biofiltration vegetated source control techniques work through the infiltration of water to the soil and the transpiration of water by plants. The combination of these two mechanisms most closely mimics pre-development hydrology. These techniques have the potential to withhold significant amounts of water from the sewer system and filter out pollutants through physical properties. In some cases, they can eliminate pollutants altogether through microbial process and therefore can act as a network of pre-treatment plants.

5.4 BSA Approach

The NYS SMDM provides detailed descriptions of a wide range of well-established green infrastructure technologies such as tree plantings, rain gardens, infiltration trenches, blue and green roofs, downspout disconnection, rain barrels, cisterns, stormwater planters and porous pavement. Most, if not all, of the technologies discussed in the NYS SMDM have been implemented within the City of Buffalo. The Buffalo Sewer Authority is currently working on a detailed catalogue of existing green infrastructure projects as part of its ongoing stormwater management promotion efforts.

However, the selection of specific runoff reduction technologies for application must be considered on a site-by-site basis. Many site and case specific factors weigh into the selection process including, but not limited to:

- Runoff water quality (roof versus sidewalk versus road, etc.)
- Land use within each parcel (parking, drive, building, active recreation, etc)
- Water reuse needs
- Ownership (public or private)
- Maintenance (who is responsible, differing maintenance burdens depending upon use)
- Technology cost
- Soil infiltration rates

The Buffalo Sewer Authority's green infrastructure program relies upon the standards outlined in the NYS SMDM and well-established engineering principles to ensure that each green infrastructure practice is properly sized and designed for the specific site conditions involved. At a minimum, each project will be designed to the maximum extent practicable to:

- Capture the 90% rainfall event, which in accordance with Figure 4.1 of the NYS SMDM is approximately 0.9 inches for Buffalo and is consistent with the 1993 modified typical year;
- Fully drain within 48 hours;
- Ensure that, post construction, the 25-year peak discharge from the site is less than the 2-year peak discharge under pre-development conditions.

6. BSA GI Program Level Screening

The Buffalo Sewer Authority had several objectives for the first phase if its official Long Term Control Plan green infrastructure program. In particular, the BSA was seeking program approaches that could be implemented in partnership with the City of Buffalo that would:

- Focus on high stormwater generation land uses;
- Utilize well established green infrastructure approaches with clear engineering parameters;
- Be readily translated into the CSS model to predict impacts on CSO;
- Support City economic development priorities;
- Capitalize upon existing public investments;
- Be located on publicly held land where practicable; and
- Have minimal project maintenance requirements.

Based on extensive review of technologies discussed in Section 5, and review of other municipal green infrastructure program experiences, such as New York City, Syracuse, Cleveland, Kansas City, Philadelphia and Nashville, as well as the Buffalo Niagara Riverkeeper Green Solutions report, the BSA generated an initial list of possible City-scale program approaches for Buffalo, including:

- Green Streets
- Demolition and Vacant Lot Management
- Public Facility Stormwater Management Projects
- Tree Plantings.
- Downspout Disconnection/Rain Barrels
- Private Development Stormwater Management Requirements
- Private Green Infrastructure Incentive Programs

Green programs often incorporate more than one type of green infrastructure technology (technologies described in Section 5) into the program.

6.1 Proposed Programs for Phase 1

Two programs, green streets and demolition/vacant lot management, were ripe for immediate documentation and submission as qualifying impervious surface acreage reduction/management efforts. The projects and sites under these two programs have been carefully detailed for documentation as the first 145 acres of the BSA's green infrastructure effort.

6.1.1 Green Streets

The green street approach involved reducing runoff from typically 95 percent impervious City owned rights of way. Green streets respond directly to the City's complete streets, Buffalo Billion, Local Waterfront Revitalization and downtown infrastructure economic development priorities. Many of the streets have local, state and/or federal funding commitments allowing BSA to "piggyback" on design and site mobilization efforts. Green street technologies including porous pavement, brick street restoration, stormwater planters and impervious surface reduction are being explored. Depending upon the technology involved, green street maintenance may be comparable to traditional streets.

6.1.2 Demolition/Vacant Lot Management

The demolition/vacant lot management approach involved reducing runoff from typically 90 perecent impervious commercial sites and 65 percent impervious residential sites. Demolition and vacant lot management respond directly to the City's Buffalo Billion economic development priorities. Many of the demolitions have local, state and/or federal funding commitments allowing BSA to "piggyback" on site mobilization efforts. Demolition involves impervious surface reduction – a well-established and documented technology. Vacant lot practices including soil amendment, rain gardens and swales are also well-established and documented technologies. Finally, depending upon the technology involved, vacant lots may have low to no maintenance requirements.

6.2 Programs for Future Consideration

The other five program approaches including public facilities, tree plantings and private development were not ripe for submission at the time of the Phase 1 plan. If/when site documentation of the projects (including projects implemented since the date of the last CSS modeling effort), modeling, program administration and needed institutional controls are completed for these programs, the Buffalo Sewer Authority will consider their submission as qualifying impervious surface acreage reduction/management efforts at a later date, and possibly for subsequent phases of the GI Program.

It should also be noted that while the BSA has already implemented some of these program approaches, including tree plantings, downspout disconnections/rain barrels and private development based stormwater controls, they are not yet submitting these projects for credit towards the target control acreage. As the benefits for such projects become better quantified, the BSA may submit them in the future and broaden the program across the City.

6.2.1 Public Facility Stormwater Management

Opportunities exist to incorporate onsite stormwater management into planned investments in public educational, medical, recreational and housing facilities. As these opportunities

mature and specific capture areas and impervious surface reductions are defined, they will be submitted for inclusion in subsequent phases of the GI plan.

6.2.2 Tree Plantings

According to the 2001 Street Tree Inventory and the 2003 City of Buffalo Urban Forest Master Plan, there are approximately 106,715 street tree planting locations located within the City of Buffalo. The Plan recommends raising the stocking percentage of street trees in available spaces from the current level of 55 percent or 59,300 trees, to 85 percent for a total street tree stock of approximately 90,700 trees. In 2012, the US Forest Service and Great Lakes Restoration Initiative recommended that each medium size tree would intercept 1,129 gallons of storm water per year. According to these figures, planting the additional 31,400 trees necessary to achieve an 85 percent stockage rate would result in additional stormwater benefits of approximately 35.5 million gallons per year (once the trees have matured to medium size); however, there is not a one-to-one relationship between stormwater removed and CSO reduction. Nevertheless, the low cost of tree plantings, the ability to focus on City right of way lands and the many collateral benefits associated with tree plantings make this an approach the BSA will continue to investigate for future phases of the program.

6.2.3 Downspout Disconnection/Rain Barrels

Downspout disconnections rely heavily upon private landowner participation for success. Both Toronto and Portland have had very high participation rates in downspout disconnection programs that began with voluntary participation and transitioned over time to disconnection mandates. The Buffalo Sewer Authority's first experiments with voluntary downspout disconnection and rain barrel distribution in the First Ward, Hamlin Park and the Elmwood Village suffered from poor participation rates. Because disconnection is very cost effective at an average of $100 per downspout (not including a rain barrel), the BSA intends to explore this option for later phases of the program, which may or may not include rain barrels.

6.2.4 Private Development Stormwater Requirements

Approximately 153 residential units/year, 320,000 square feet of commercial space and 100,000 square feet of industrial space are developed in Buffalo each year according to 2012 market analyses conducted for the City of Buffalo Brownfield Opportunity Area nomination studies. The BSA currently requires onsite stormwater management for new development. The BSA's private development stormwater capture requirements provide that "post construction the 25-year peak discharge from the site must be less than the 2-year peak discharge under pre-development conditions". Similar provisions have been included in the City of Buffalo draft Green Code. The Buffalo Sewer Authority is working with the City of Buffalo to develop an inventory and tracking system for private stormwater management projects. Because onsite stormwater management would be legally required as a condition for development and compliance would be entirely financed through private

investment, this approach could be a cost effective component of later phases of the program.

6.2.5 Private Retrofit Incentives

Many local developers have indicated that, in addition to compliance with new development regulations, they would be interested in initiating retrofit projects if financial incentives were offered. For example, they might reduce runoff from an existing parking lot if financial incentives helped to cover the cost of the landscape improvements. This approach is exemplified by Onondaga County's Green Improvement Fund (GIF), which provides grant funding for the development of green infrastructure and stormwater mitigation techniques on private property projects. The development of grant criteria, project review capacity, geographic priorities and institutional controls would be necessary for the implementation of an incentive program. However, the opportunity to cost share green infrastructure improvements and accelerate the pace of private site improvements may make this approach desirable in later phases.

6.3 BSA Screening of Buffalo GI Opportunities

Table 6-1 presents a matrix of GI opportunities, grouped by runoff source, applicable to Buffalo based on the land use opportunities, known existing projects, and applicable GI technologies.

Table 6-1: Potential GI Project Candidates by Runoff Source

Runoff Source	Technology	Total Acreage Available (Table 4-1)	Private/ Public Land	O&M	Collaboration Opportunities	Green 1 Candidate	Notes
Street and ROW	Green Street: Residential Rain Gardens	4,401	Public	Homeowner responsible for long term maintenance	Grassroots gardens, integrate with sidewalk reconstruction or utility work	---	
	Green Street: Porous Pavement		Public	Public Works		Carlton, Fillmore, Kenmore, Allen, Niagara, Kensington Ardmore	Easiest with full reconstruction projects; brick street restoration opportunities

Runoff Source	Technology	Total Acreage Available (Table 4-1)	Private/ Public Land	O&M	Collaboration Opportunities	Green 1 Candidate	Notes
	Green Street: Commercial stormwater planters		Public	Adjacent land owner responsible for long term maintenance	Downtown Infrastructure improvement effort, Complete street grid		Requires strong maintenance program due to commercial litter, increased pedestrian activity
	Street Tree Plantings		Public	Public Works	City of Buffalo Street Tree Plantings	---	Many variables to track including tree size/growth to ensure compliance, not yet able to model
	Green Street: Impervious Surface Reduction		Public	Public Works	ECHDC Ohio Street Project	Ohio	
Rooftops & paving	Demolitions - Traditional	11,456	Public	Real Estate/Public Works	City of Buffalo Demolition Program	5,395 demolitions	PCM somewhat challenging
	Demolitions-Improved Soil		Public	Real Estate/Public Works		724 demolitions	PCM somewhat challenging
	Residential Downspout Dis-connections		Private	Homeowner responsible for long term maintenance	Riverkeeper rain barrel partnership	---	Success heavily tied to participation rates
	Green City Public Schools & Housing & bldgs	1,773	Public	Public Works, School District & BMHA	Joint Schools Construction project, North Ice Rink	---	

Runoff Source	Technology	Total Acreage Available (Table 4-1)	Private/ Public Land	O&M	Collaboration Opportunities	Green 1 Candidate	Notes
	Green County Facilities		Public	ECMC, ECC, Convention Center, Coca Cola Field	ECC renovations	---	
	Green State Facilities		Public	Buffalo State College, UB	UB Medical School	---	
	Private Development Stormwater Stds	Estimate 153 residential units/year, 320,000 SF commercial, 100,000 SF industrial[2]	Private	Private	Green Code	---	
Existing open space	Vacant Lot Tree Plantings	5,309	Public	Public Works		---	
	Vacant Lot Rain Gardens		Either			PUSH Blue	
	Park retention area creation		Public	Public Works			

[2] Buffalo BOA Economic and Market Trend Analysis 2012

7. PHASE 1 PROJECTS

As discussed in Section 6, after a careful review of GI program level approaches in other communities and available GI technologies, the BSA has elected to focus its Phase 1 green infrastructure program on demolition/vacant lot management and green streets. More specifically, the BSA will document the runoff reduction from the following, site-specific projects implemented between 2001 and 2018. A summary of the Phase 1 GI program is presented in Table 7-1. Projected CSO reductions based on modeling these projects are presented in Section 8.

Table 7-1: BSA Phase 1 Green Infrastructure Program Summary

Project Group	Sub Group	CSO	Impervious surface controlled (acres)	Impervious Acreage Applied to SPP-based Target CSO Control (acres)	Estimated Capital Cost to BSA
Demolitions and Vacant Lot Management	2001 – 2013 Demolitions (excl. 2001-2009 demos in CSO 12)	Various – see Section 7.1	354	210	$0
	CSO 053 Pilot Project and 2014-2018 Demolitions	053- various see section 7.1	50	31	$1,448,000
	Fillmore Ave green lots	053	0	0	$62,000
	PUSH Blue Projects	012	1.0	1.0	$0
Green Streets	Carlton Street porous asphalt	017	1.0	0	$396,000
	Fillmore Ave porous parking lots	053	0.4	0.4	$15,500
	Ohio Street	064	6.1	2.1	$0
	Kenmore Ave[(1)]	055	4.1	4.1	$532,000
	Kensington Ave[(1)]	053	5.5	2.5	$473,000
	Allen Street[(1)]	013	2.5	2.5	$251,000
	Niagara Street[(1)]	003, 005, 011, 012,013,055,057	23	14.3	$3,250,000
TOTAL			448	267	$6,427,000

Notes: [(1)] Specific designs are not available for these projects at this time. The impervious acreage controlled was estimated based on the assumptions provided in Section 8.

While the BSA is accounting for demolitions and other GI projects in all sub-catchments in the model, some of these projects may be located in a sub-catchment that is not targeted for impervious surface control based on the refined GI control targets presented in Section 2. Table 7-1 presents both the total impervious acreage controlled and the impervious acreage that would be applied to the proposed GI target acreage.

As demonstrated in Table 7-1, the cost per impervious acre controlled is approximately $14,300 including all demolitions, and $68,400 per impervious acre controlled excluding the 2001-2013 completed demolitions. These numbers are comparable to the estimate used in the 2012 LTCP Update of $57,000 per impervious acre controlled.

7.1 Demolitions and Vacant Lot Management

The significant number of demolitions over the past 12 years, coupled with the number of planned demolitions for the next five years provides the BSA with a unique opportunity to incorporate the conversion of impervious surfaces to pervious as part of their GI Program. As discussed in Section 6, demolitions present an opportunity for the BSA to reduce stormwater runoff into the combined sewer system while assisting the City with a measure of urban renewal through creating developable properties where deteriorated vacant structures once stood.

The completed demolitions (since 2001) and planned future demolitions are presented on Figure 7-1.

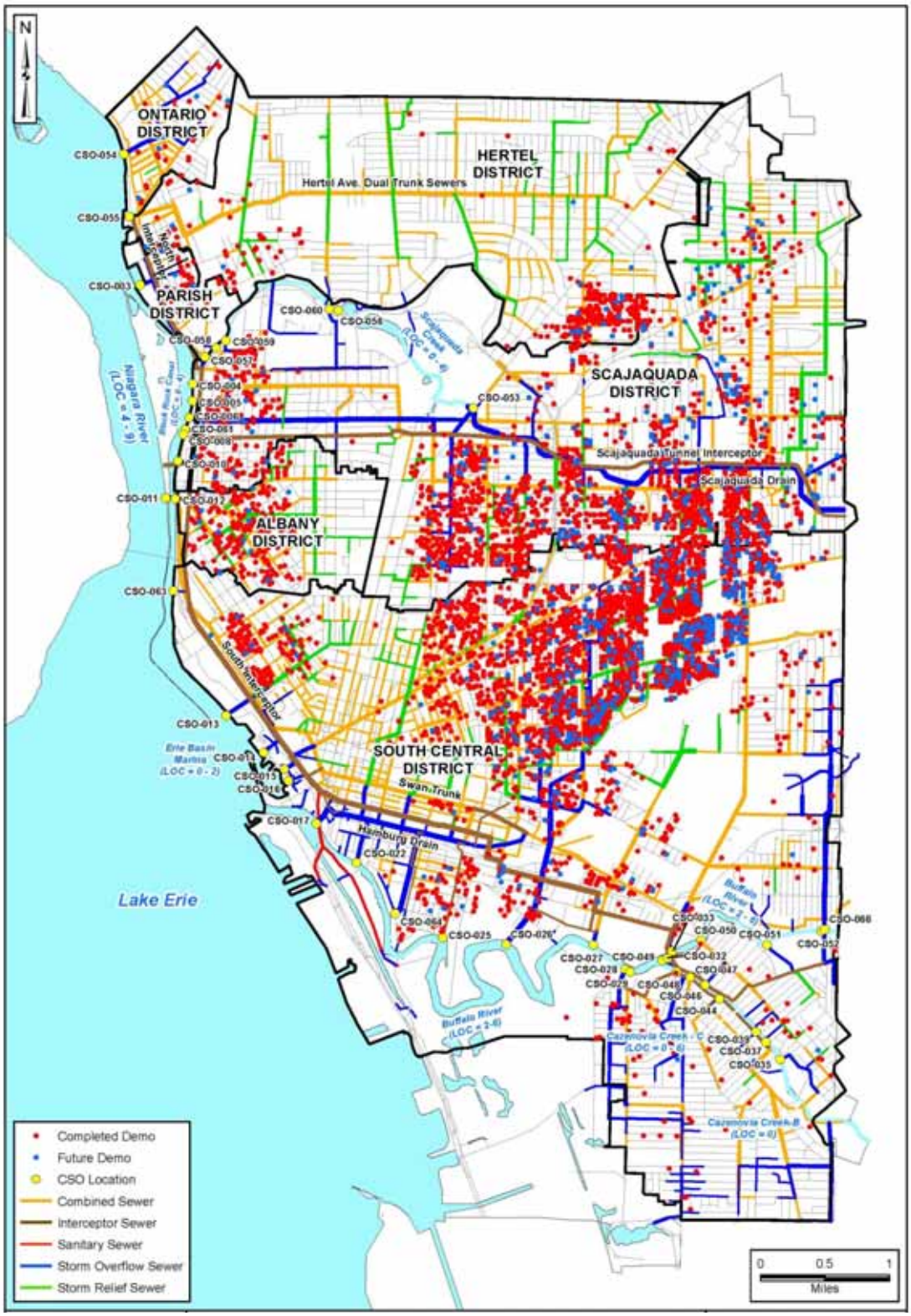

Figure 7-1: City of Buffalo Demolitions (2001-2013, plus planned demos)

7.1.1 Building Demolitions (2001 through 2013)

The BSA CSS model was last calibrated in 2000, with the exception of CSO12, which was recalibrated in 2009. From 2001 through 2013, the City of Buffalo has demolished 4,912 residential structures on 407 acres and 483 commercial structures on 111 acres throughout the City, as shown in Table 7-2.

Table 7-2: Completed Demolitions from 2001-2013

		Demolitions EXCEPT THOSE WITHIN CSO 12		Demolitions in All CSOs		Total Completed Demolitions		Imperviousness	
		2001-2008		2009-2013		2001-2013		Average Percent	Acreage Reduced
		#	Acres	#	Acres	#	Acres		
Residential Demos	City Owned	1,707	142.2	1,093	89.4	2,800	231.7	65%	150.6
	Privately Owned	1,326	110.7	786	64.9	2,112	175.6	65%	114.1
	Subtotal	**3,033**	**252.9**	**1,879**	**154.3**	**4,912**	**407.2**		**264.7**
Commercial Demos	City Owned	139	18.8	76	18.2	215	37.0	Varies [(1)]	
	Privately Owned	168	40.5	100	33.6	268	74.1	Varies [(1)]	
	Subtotal	**307**	**59.3**	**176**	**51.8**	**483**	**111.1**		**89.0**
TOTAL		**3,340**	**312.2**	**2,055**	**206.1**	**5,395**	**518.3**		**353.7**

Note: [(1)] Varies from 5% to 90% depending on specific land use for each parcel.

The NYS SMDM guidelines were used to develop site-specific water quality volumes and runoff reduction calculations for each demolition. These calculations are presented in Appendix 7-1. To date, the completed demolitions have resulted in approximate runoff/water quality volume reductions of 21 acre-feet for residential demolitions and 3.4 acre-feet for commercial demolitions. Note that this stormwater runoff reduction is not necessarily representative of CSO reduction.

The City of Buffalo has a well-developed demolition program with detailed specifications that require full removal of all structures, including foundation walls, and any pavement on each demolition site. In addition, all utility connections, including water and sewer service, are disconnected. Existing large trees are often left on site but all smaller vegetation is cleared. Basements must be filled with clean soil with a minimum 60 percent clay content. Lots are finish graded toward the sidewalk to prevent drainage onto adjacent properties. Typically, deep-rooted weed species such as goldenrod, ragweed, and chicory colonize the sites and the lots become fully vegetated within three years.

For residential demolitions, several representative residential lots located within high demolition or distressed neighborhoods were analyzed to determine average imperviousness. Residential lots in stable neighborhoods with low numbers of demolitions

were excluded from the calculations. The analysis found that, on average, approximately 65 percent of each residential lot was impervious surface comprised of structures (house, porch, garage, shed) and driveways and parking pads. The demolition of structures and removal of pavements on the 4,912 residential lots described above has resulted in a decrease of 265 acres of impervious surfaces.

For commercially owned lots, it was initially assumed that 90 percent of each lot was covered by building or parking lot surfaces prior to demolition, consistent with commercial imperviousness sampling conducted throughout the City and discussed in the Land Use section above. However a closer look at the data suggested that in fact, there were several other related land use classifications included in the commercial demolitions. The list below presents the varying pre-demolition percent imperviousness assumptions of the different property types.

- Commercial - 90 percent
- Community Service/Institutional - 40 percent
- Industrial -75 percent
- Multi-Family Residential - 90 percent
- None - 50 percent
- Recreation - 9 percent
- Vacant - 5 percent

The demolition of structures and removal of pavements on the 483 commercial lots described above and using the corresponding impervious percentages has resulted in a decrease of 89 acres of impervious surfaces.

As discussed in Section 7.0, the CSO reductions estimated by the model take into account the total impervious area controlled (354 acres). However, for the purposes of determining the green infrastructure implementation towards target goals presented in Section 2, the demolitions in SPP basins not targeted for any GI control areas were removed resulting in a total impervious area to be applied to the GI target acreage of 210 acres.

For residential demolitions, just over half of the parcel acreage is publicly owned. However, the privately held commercial demolition acreage is almost twice as large as the public commercial demolition acreage. Over time, many of these parcels will transition to public ownership through the City's "in rem" process. The City often resists public acquisition of private parcels as long as possible to minimize the cost to taxpayers of private lot abandonment.

Over the life of the program, demolition costs have steadily increased from $4,200 per structure to nearly $18,000 in 2013, with a program average of $11,000. The City of

Buffalo pays for demolitions through a combination of state and federal grants, City capital fund and general operating fund commitments. Publicly held vacant lots are mowed twice per growing season by the Department of Public Works at an average cost of $500 per year per lot.

7.1.2 Building Demolitions (CSO 053 Pilot and 2014-2018)

Recognizing the City's desire to continue the long-standing demolition program and the potential to improve upon the effectiveness of the site restoration process as it pertains to stormwater runoff reduction, the BSA is studying opportunities to maximize the benefit of the ongoing demolition program. Over the last several months, BSA staff has researched a variety of techniques being implemented nation-wide to identify best practices that can be used to improve the City program. The USEPA Region 5 staff (Chicago and Cleveland) has been working with a group of six communities to reduce the environmental impact of demolitions and improve the reuse potential of vacant lots. The communities include Cuyahoga County Land Reutilization Corporation (CCLRC in Cleveland), Milwaukee MSD, Ramsey County/City of St. Paul, Cincinnati MSD, City of Saginaw/Saginaw County Land Bank, and City of Chicago. In 2012, EPA released draft green demolition specifications including recommended soil, earthwork and site grading specifications.

Simultaneously, the Cleveland Botanical Gardens (CBG) has conducted experiments using soil treatments and cover crops on Cleveland vacant lots. In 2012, the CBG was awarded a Great Lakes grant to further study the potential to utilize dispersed vacant lots for stormwater management and community gardening purposes, conducting pilot studies in three communities – Cleveland, Ohio; Gary, Indiana and Buffalo, New York

Based upon conversations with both the USEPA and CBG teams and a careful review of Buffalo's existing demolition specifications, a pilot project was designed for implementation in fall 2013. Through a partnership with the City of Buffalo Office of Strategic Planning, Office of Permits and Inspections, and the Department of Public Works the BSA is testing an alternative demolition lot finishing technique on ten scheduled demolition sites within the CSO 053 basin illustrated on Figure 7-2. The demolition specifications will be revised to require the demolition contractor leave the site at 4" below grade, at as close to 0% slope as possible, raked to remove any debris or stones larger than 1" in size. Then the BSA will contract for landscaping services to:

- Scarify the site and remove any remaining debris;
- Fill the remaining lot to grade with 50 percent sand/25 percent topsoil/25 percent compost mixture ;
- Grade the lot to minimize flow off site based upon specific site conditions and discussions with the project team;

- Seed the lot with low to no mow, deep rooted grass seed mixture as specified by BSA; and

- Maintain the site for 18 months.

The estimated cost of implementing the above landscaping treatment is $2000 per 30’x100’ residential lot. Information on the impact on the demolition costs themselves will be determined through the pilot project.

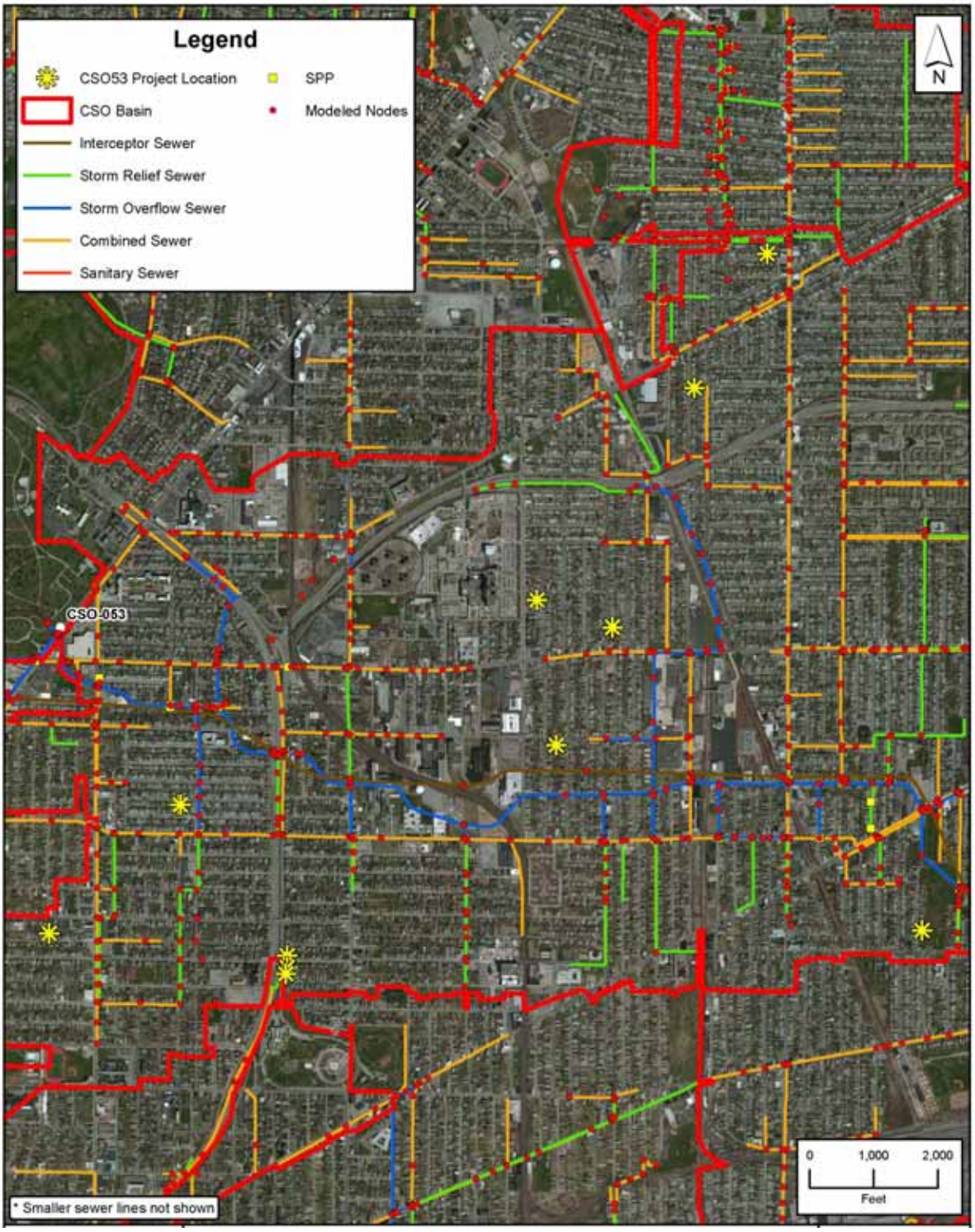

Figure 7-2: CSO 053 Project Sites

Assuming the pilot is successful and cost effective, the revised demolition specification will be applied to all subsequent demolitions. As shown in Table 7-3, the City of Buffalo Department of Permits and Inspections has identified 651 residential structures on almost 55 acres of land and 73 commercial properties on 17.5 acres of land for demolition over the next five years. Collectively, these demolitions will result in an overall reduction of impervious surfaces of 50 acres. Again, however, only 31 acres have been applied to the GI target acreage controlled as only these properties are located within areas targeted for CSO reduction through GI.

Table 7-3: Future Demolitions (2014-2018)

		Demolitions in All CSOs		Imperviousness	
		2014-2018		Average Percent	Acreage reduced
		#	Acres		
Residential Demos	City Owned	306	25.0	65%	16.3
	Privately Owned	345	29.8	65%	19.3
	Subtotal	**651**	**54.9**		**35.6**
Commercial Demos	City Owned	15	5.1	Varies [(1)]	
	Privately Owned	58	12.4	Varies [(1)]	
	Subtotal	**73**	**17.5**		**14.7**
TOTAL		**724**	**72.3**		**50.3**

Note: [(1)] Varies from 5% to 90% depending on specific land use for each parcel.

The site-specific water quality volumes and runoff reduction calculations for these future demolitions are included with the completed demolition calculations in Appendix 7-1. It is estimated that the future demolitions will result in an additional runoff/water quality volume reduction of approximately 2.4 acre-feet for residential and almost 1.0 acre-feet for commercial demolitions. Note that this estimated stormwater runoff reduction is not necessarily representative of CSO reduction.

7.1.3 Fillmore Avenue Vacant Lots

In conjunction with the Fillmore Avenue Green Street project below, the BSA worked with project engineers to reduce runoff from six City owned vacant lots at three sites within the corridor as listed below. As these sites are existing vacant lots, no reduction of impervious surface was accounted for in the Phase 1 GI program.

- 1458-1460 Fillmore – depression in front half of lot
- 1484-1488 Fillmore – full lot depression
- 1279 Fillmore (two lots deep) – center of lot only to protect existing trees

For each site, the top six inches of class D soils will be excavated, with the exception of areas within the drip line of well-established trees. These soils will be replaced with Class

B soils (DOT Item 614.1403) and the site will be regarded to provide a shallow depression and maximize capture. Each lot will then be top seeded with a low to no mow, deep-rooted grass seed mixture. The estimated cost for the improvements to these lots is approximately $62,000.

The site specifications for each address have been provided in Appendix 7-2.

7.1.4 PUSH Blue Projects

Buffalo Neighborhood Stabilization Corporation, a subsidiary of People United for Sustainable Housing (PUSH), has acquired several vacant lots on the City of Buffalo West Side. In 2012, the group was awarded a $644,000 NYS Environmental Facilities Corporation Green Innovations Grant award for their PUSH Blue initiative. The project will involve installation of:

- 20 rain gardens on 23 parcels to capture the runoff from a total of 71,050 square feet
- Two green roofs with a capture area of 4,219 square feet
- Four cisterns for use as a water source for community gardens with a capture area of 10,771 square feet from nine lots and 5,000 gallons of storage capacity
- Three porous pavement projects on three lots, including one porous pavement sports surface, with a total design area of 5,657 square feet

The project sites, shown on Figure 7-3, will control approximately 1.0 acres of impervious area, all of which will be applied towards the GI target acreage. A list of the specific project addresses and the proposed treatment is provided in Appendix 7-3.

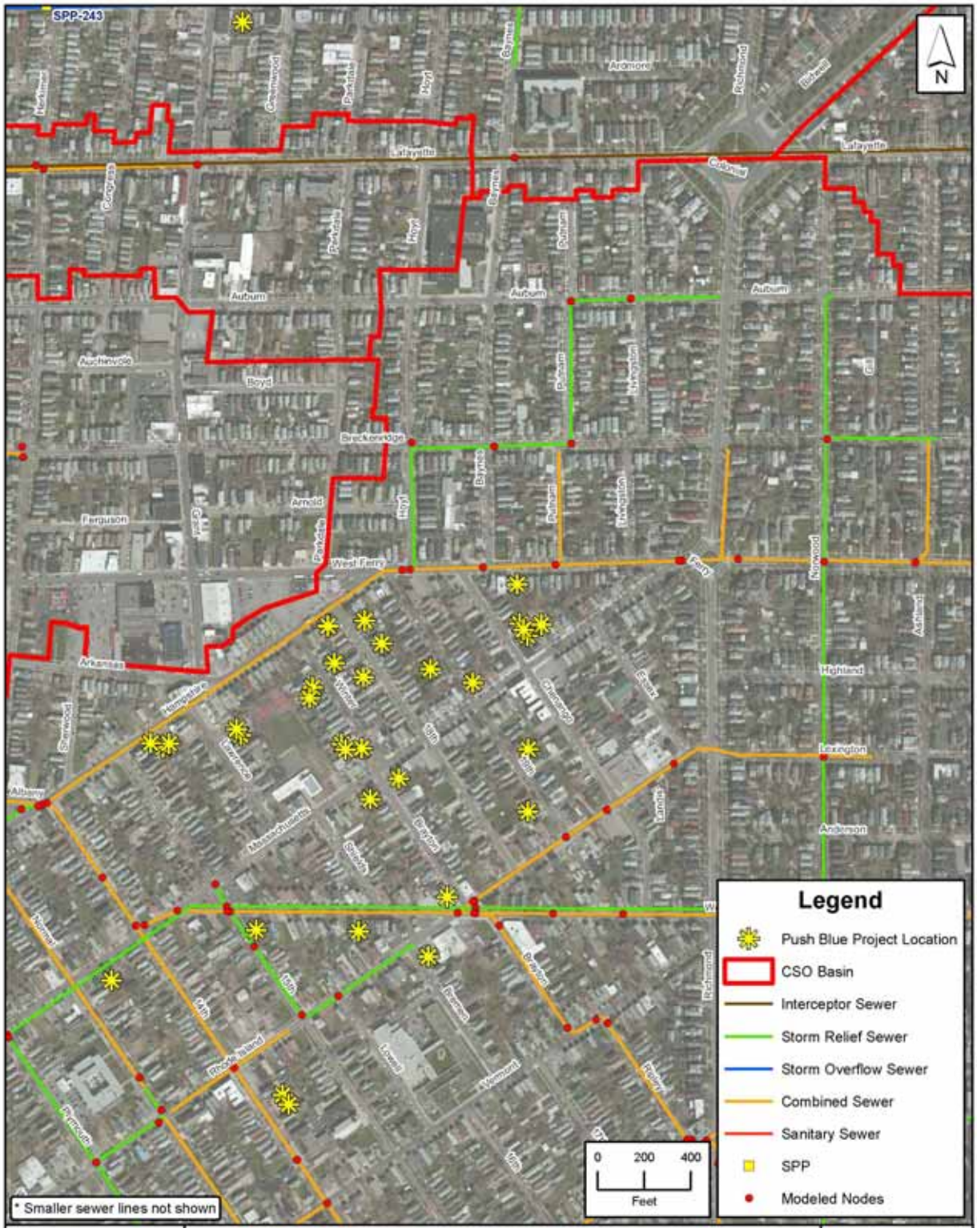

Figure 7-3: PUSH Blue Project Sites

Twelve projects will be installed in 2013 with the remainder to be completed in the 2014 field season. Under the EFC grant agreement, PUSH must maintain site control of the projects for a minimum of ten years, making them a unique private land candidate for inclusion in the BSA Phase I GI Program. Changes to the original project sites are possible as the project progresses.

PUSH has partnered with the Buffalo Sewer Authority as well as the Cleveland Botanical Gardens Vacant to Vibrant project to utilize the installations as case studies for the implementation of various technologies on scattered vacant lots. PUSH is also partnering with Buffalo Niagara Riverkeeper and the Center for Employment Opportunities to develop and implement a multi-year smart growth economic and regional development plan that utilizes the potential for green infrastructure to create jobs, revitalize communities and restore our watershed.

7.1.5 Vacant Lot Green Infrastructure Institutional Controls

The BSA will also be working with the Division of Real Estate and the Assessor's office to ensure that properties where stormwater projects have been implemented are appropriately identified.

The designation of a recently demolished or vacant lot for green infrastructure does not preclude site redevelopment. Under current BSA regulations, when a developer applies for a new sewer connection they must demonstrate that the project will maintain, and often improve, the onsite stormwater capacity of that site. As a condition for their sewer connection, the project must include a stormwater drainage report confirming that post construction the 25-year peak discharge from the site will be less than the 2-year peak discharge under pre-development conditions. As an example of this process, the St. John's Townhomes project redeveloped seventeen vacant residential sites in the City's Fruit Belt neighborhood, adjacent to the Buffalo Niagara Medical Campus using these conditions. While significant redevelopment in the areas of the largest number of building demolitions is not anticipated, this process will ensure that the impact of these properties on the combined system will not return to pre-demolition levels.

7.2 Green Street Projects

Having recently adopted a complete streets ordinance, the City has proposed a system of complete, green streets (see Figure 7-4). The system would strategically connect key assets/institutions including the downtown, waterfront, and other important districts. The recommended streetscape improvements for these corridors directly responds to the Buffalo Building Reuse Study recommendation for infrastructure "that establishes critical linkages between key areas and developments, supports a walkable mixed-use environment, and provides an atmosphere that attracts and retains residents, businesses, and visitors."

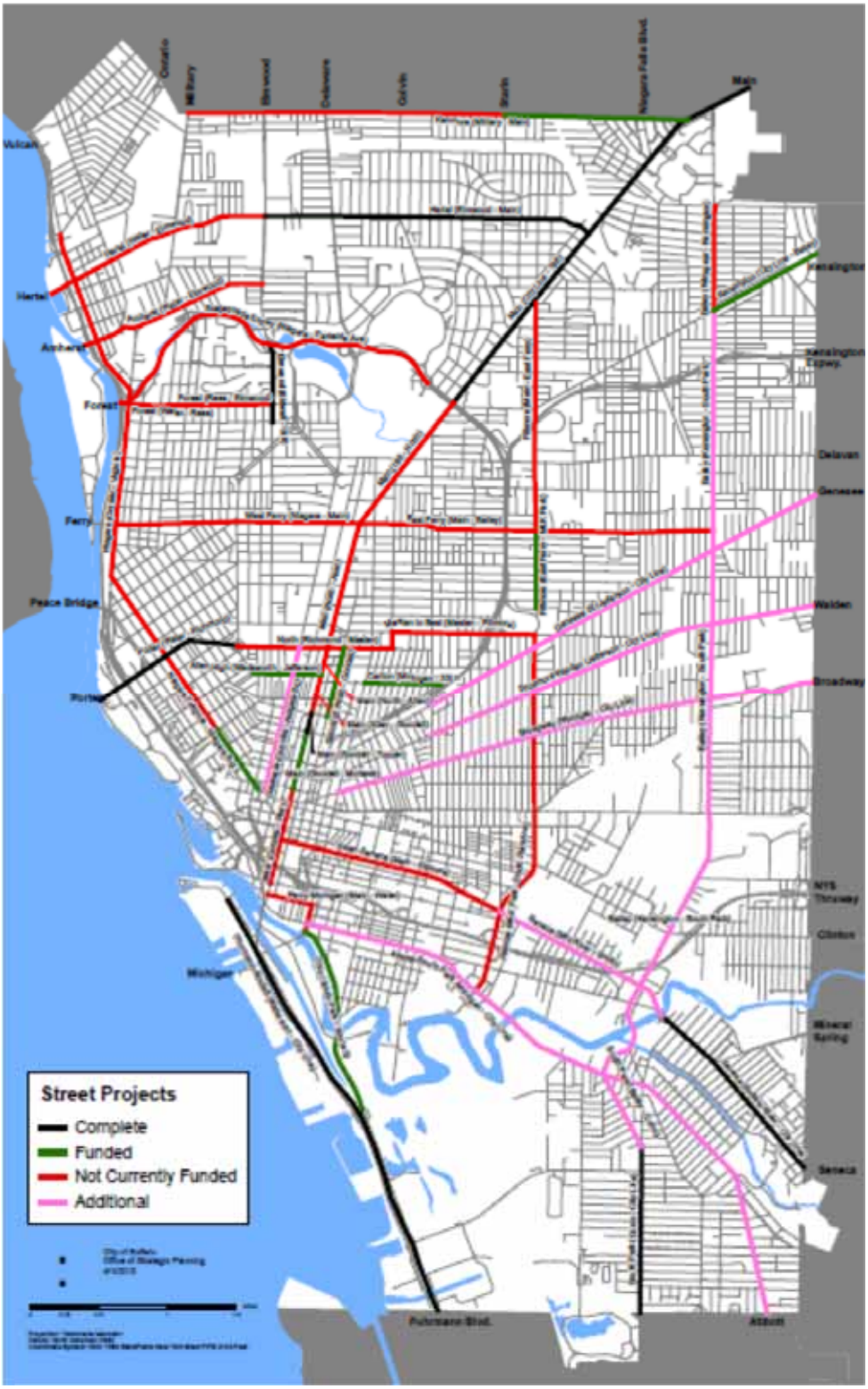

Figure 7-4: City Proposed Street Projects

Many green infrastructure technologies, when applied to street rights of way, can help the City attain these goals while significantly reducing the stormwater flow into the combined system and consequently CSOs. In large measure, the stormwater flow reduction associated with green streets can be attributed to porous asphalt, which is typically designed based on local soil conditions to maximize stormwater capture. Additionally, green streets often utilize dual-purpose landscape planting areas to capture runoff, create attractive spaces, calm traffic and encourage walking. Street reconstruction and streetscape improvement projects create opportunities to piggyback on existing engineering and site mobilization commitments. Limited CSO reduction funding may be allocated to cover the marginal cost associated with implementing green infrastructure components of street projects, often helping to preserve landscaping elements that might be lost to budget constraints.

In 2012, three green street technologies were implemented as demonstration projects on five streets within Buffalo's CSO 060 basin. The various elements of the project are summarized below and provided a total capture area of approximately 7.9 acres:

- Clarendon Place - Porous Asphalt
- Parkdale Avenue - Rain Garden Cut Outs
- Claremont Avenue - Porous Asphalt
- Elmwood Avenue - Bioretention planter
- Windsor Avenue - Rain Garden Cut Outs

The green street technologies in the CSO 060 demonstration project were included in the baseline modeling in the 2012 LTCP Update (as part of the Revised Foundation Plan); therefore, this project is not considered part of the Phase 1 GI Program. The project cost for the green technologies portion of the project was $1million. Post-construction monitoring for the CSO 060 demonstration for each green infrastructure technology is currently being conducted over a two-year period, and the performance will be reviewed as part of the BSA's overall GI Program.

The City has proposed a number of complete/green street projects for construction from 2013 through 2018. The BSA and various City departments have been working together to incorporate GI technologies into the Carlton, Fillmore and Ohio Street projects under construction in 2013. Similar partnerships will be utilized throughout the design and implementation of the future Kenmore, Kensington, Allen and Niagara projects.

7.2.1 Carlton Street

This project involved the introduction of porous asphalt into the reconstruction of Carleton Avenue between Michigan Avenue and Jefferson Avenue. The street has increased in prominence as an alternate entrance to the Buffalo Niagara Medical Campus from Jefferson

Avenue. Half of the corridor has large, mature trees. However, the other half of the street is characterized by large vacant lots.

Porous asphalt will be installed from curb to curb from Lemon Street to Rose Street in summer 2013 (detailed drawings and design calculations related to porous asphalt are provided in Appendix 7-4). To avoid impacts on the large, established street trees and utility corridors the porous asphalt was only installed on half of the project. Because the land north of the project slopes downhill towards Carlton Street, the project was able control approximately 1.0 acre of impervious surface. Note, however, that no area was applied to the GI target acreage since this project is not located in a proposed GI target area.

The porous asphalt portion of the project has a projected cost of approximately $396,000 and was funded as project betterment through the Buffalo Sewer Authority's Long Term Control Plan implementation effort. Partners included the Buffalo Sewer Authority, City of Buffalo Department of Public Works, Buffalo Niagara Medical Campus, Buffalo Public Schools and local block groups.

7.2.2 Fillmore Avenue

Fillmore Avenue involved the partial reconstruction of a neighborhood commercial street between Martin Luther King Park and East Ferry Street. The project faced several site constraints including former trolley rail lines in the center of the street, buildings very close to the curb and utility corridors within the snow storage area.

After exploring several green infrastructure options, the 2013 construction project resulted in:

- Direction of stormwater flow from expanded pedestrian bump outs to enhanced tree pits;
- Creation of porous asphalt parking lots at 1374-1388 Fillmore and 1401 Fillmore that both offset the pedestrian bump out parking impacts and capture a portion of the stormwater flow from the street itself; and
- As discussed in Section 7.1.3 above, the improvement of three City owned vacant lots (1458, 1484 and 1279 Fillmore) to incorporate GI.

The porous asphalt lot at 1401 Fillmore has a capture area of 23,850 square feet, while the porous asphalt lot at 1374-1388 Fillmore has a capture area of 18,000 square feet. These projects will control an estimated 0.4 acres of impervious surface area, which will be applied to the GI target acreage. Design details are provided in Appendix 7-2.

The Fillmore green lot improvements discussed in Section 7.1.3 cost approximately $62,000, while the porous asphalt for the new lots cost $15, 500. Both elements were funded as a project betterment through the Buffalo Sewer Authority's Long Term Control Plan implementation effort. Partners included the Buffalo Sewer Authority, City of Buffalo Department of Public Works, and local block groups.

7.2.3 Ohio Street

This 2013 City of Buffalo project, managed by the Erie Canal Harbor Development Corporation, involves the full reconstruction of Ohio Street as a scenic, multi-modal waterfront connector from Michigan Avenue in the Cobblestone District to Fuhrmann Boulevard on Buffalo's Outer Harbor. The existing corridor consists of four travel lanes of impervious surface throughout the project length. Very little green space exists within the highway boundary.

Coordinated efforts among stakeholders in the project, including the Buffalo Sewer Authority, led to the use of the following green infrastructure elements:

1. Reduction in the number of travel lanes from 4 to 2 north of the Ohio Street Lift Bridge and reduction of the number of lanes from 4 to 3 south of the Ohio Street Lift Bridge resulting in a reduction in the road surface area of more than 30 percent.

2. Implementation of porous asphalt for the shared use path along the west side for a majority of the length of project.

3. Implementation of porous asphalt for parking lanes along the west side on the north end of the project.

4. Creation of a 5 to 13 foot wide green snow storage area between the road and the path/sidewalk on the east and west sides for the entire length of the project.

5. Planting of over 260 trees will be planted throughout the length of the project with other areas landscaping.

6. Removal and disposal of potentially contaminated soils.

7. Runoff reduction through construction of all new drainage structures that catch runoff from the road surface contain a 2' deep sump that collects debris and sediments prior to entering the main storm sewer line. These structures also have a hood at the outlet the prevent floatables from entering the main storm sewer line.

With the above technologies, the project will provide approximately 6.1 acres impervious surface control for areas tributary to the combined sewer system (areas tributary to stormwater only sections were not included); of this approximately 2.1 acres will be applied to the GI target acreage.

While the final design has not yet been completed, preliminary information for this project is included in Appendix 7-5.

7.2.4 Kenmore Avenue

Kenmore Avenue is an Erie County and Buffalo coordinated reconstruction project from Main Street at the University at Buffalo South Campus to Fairfield Avenue and the City's Beltline corridor, a total distance of approximately one mile. Consistent with the future street project planning for Kensington, Allen and Niagara, the project is assumed to capture runoff from the full road right of way (averaging 100 feet wide for one mile). For estimation purposes only, the project was assumed to involve approximately 190,000 square feet of porous asphalt based upon a one mile long 36 foot wide paving area. However, half of this capture area is outside of the BSA CSS area. The project is estimated to control approximately 4.1 acres of the impervious surface area, all of which will be applied to the GI target acreage.

The $5 million project (total street project cost) is currently in design with construction scheduled for 2015. Updated and detailed capture areas details, site plans, drainage calculations and maintenance plans will be provided once the project designs are complete. Preliminary water quality volume and runoff reduction calculations for this project are included in Appendix 7-6.

The green infrastructure elements of the project will be funded as a project betterment through the Buffalo Sewer Authority's Long Term Control Plan implementation effort. Based upon the Carlton Street per unit cost of $2.80 per square foot, the Kenmore Avenue green infrastructure betterment project is estimated at approximately $532,000.

7.2.5 Kensington Avenue

Kensington Avenue between Bailey Avenue and the City Line is a partial reconstruction project including full depth pavement replacement, curb replacement and former trolley rail removal. For purposes of this BSA planning and modeling effort, the project was modeled as capturing runoff from the road right of way (80 feet wide by 0.8 miles). For estimation purposes only, the project is assumed to involve approximately 168,960 square feet of porous asphalt based upon a 0.8 mile long, 40 foot wide paving area. This project is estimated to control approximately 5.5 acres of the impervious surface area. Of the total 5.5 acres, 2.5 fall within the GI target acreage.

The project design has not yet been funded but construction is expected prior to 2018. Detailed site plans, drainage calculations and maintenance plans will be provided once the project designs are complete. Preliminary water quality volume and runoff reduction calculations for this project are included in Appendix 7-6. The green infrastructure elements of the project will be funded as a project betterment through the Buffalo Sewer Authority's Long Term Control Plan implementation effort. Based upon the Carlton Street

per unit cost of $2.80 per square foot, the Kensington green infrastructure betterment project is estimated at approximately $473,000.

7.2.6 Allen Street

$7 million in funding has been secured to implement streetscape improvements and pavement replacement along Allen Street connecting the Allentown neighborhood with the Buffalo Niagara Medical Campus. Originally planned to include a direct connection at grade to Ellicott Street, the project is now in redesign to accommodate the new University at Buffalo School of Medicine. For purposes of this BSA planning and modeling effort, the project was modeled as capturing runoff from the road right of way (62 feet wide by 0.5 miles). For estimation purposes only, the project is assumed to involve approximately 89,760 square feet of porous asphalt based upon a 0.5 mile long, 34 foot wide paving area. The project is estimated to control approximately 2.5 acres of the impervious surface area, which falls within the GI target acreage.

Detailed site plans, drainage calculations and maintenance plans will be provided once the project designs are complete. Preliminary water quality volume and runoff reduction calculations for this project are included in Appendix 7-6. The green infrastructure elements of the project will be funded as a project betterment through the Buffalo Sewer Authority's Long Term Control Plan implementation effort. Based upon the Carlton Street per unit cost of $2.80 per square foot, the Allen Street green infrastructure betterment project is estimated at approximately $251,000.

7.2.7 Niagara Street

Niagara Street (a designated segment of the New York State Great Lakes Seaway Trail) has been identified by the City of Buffalo as a priority corridor for substantial streetscape and traffic calming measures. The project is intended to transform the wide, high speed thoroughfare into a scenic, pedestrian and bicycle friendly waterfront boulevard. This project would link investments at LaSalle Park, Hope VI housing, Porter Avenue, Broderick Park, Rich Products, and Underground Railroad and War of 1812 historic recognition efforts.

The project involves the full length of Niagara Street from Niagara Square to Ontario Street. Early discussions aimed at utilizing green infrastructure in the first phase of the project from Carolina Street to South Elmwood Avenue were terminated due to several cost prohibitive site constraints. However, lower traffic levels and existing roadway conditions make green infrastructure in the area north of Carolina more practicable.

For purposes of this BSA planning and modeling effort, the project was modeled as capturing runoff from the road right of way from Carolina Street to Ontario Street (approximately 100 feet wide by 4 miles). For estimation purposes only, the project is assumed to involve approximately 1,161,600 square feet of porous asphalt based upon 4 mile long, 55 foot wide paving area. This project is estimated to control approximately 23

acres of the impervious surface area tributary to the combined sewer system (areas tributary to stormwater only sections were not included). Of these 23 acres, roughly 14 acres will be applied to the GI target acreage.

Detailed site plans, drainage calculations and maintenance plans will be provided once the project designs are complete. Preliminary water quality volume and runoff reduction calculations for this project are included in Appendix 7-6. The green infrastructure elements of the project will be funded as a project betterment through the Buffalo Sewer Authority's Long Term Control Plan implementation effort. Based upon the Carlton Street per unit cost of $2.80 per square foot, the Niagara Street green infrastructure betterment is estimated at approximately $3.25 million.

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8. GREEN INFRASTRUCTURE PERFORMANCE EVALUATION

Understanding the performance of GI for managing storm water and reducing CSO activations and frequencies is critical to the success of the Phase 1 projects as well as the long-term GI implementation for the BSA. Typically, GI is evaluated using quantitative metrics closely related to regulatory requirements, including:

- CSO volume and activation reduction
- Gallons of runoff managed
- Total area managed
- Impervious area managed
- Pervious area managed
- Number of inlets managed
- Pollutant load reduction (sediment, nutrients, oil and grease, trash, bacteria, etc.)

In Phase 1 of the BSA's GI Program, the BSA will evaluate GI performance against a selected set of the metrics listed above using a combination of modeling techniques implemented in the system-wide model and post-construction monitoring of selected GI facilities and technologies. This section describes the specific approaches for evaluating the performance of the Phase 1 GI projects and presents the results of model evaluations of the Phase 1 projects.

8.1 Evaluation of Impact of Phase 1 GI Projects

This section describes the specific approaches for representing the Phase 1 GI projects and presents the model predicted typical year activations and volumes with the Phase 1 projects completed. To support the development of the Green Infrastructure Master Plan, additional model simulations were completed to evaluate the impact of the committed Phase 1 GI projects. To evaluate the Phase 1 GI projects, the Revised Baseline model from the 2012 LTCP update was modified to incorporate all demolitions completed from approximately 2001 through 2013 and Phase I GI Projects (post-2013 demolitions, seven green street projects, and 27 PUSH sites). The year 2001 was selected as the starting point because the flow monitoring for the original model calibration was completed in 2000. For the pre-2013 demolitions, any demolitions completed prior to 2012 in areas re-calibrated in 2009 were excluded (assumed the model re-calibration accounted for effect of these demolitions). This affected only the CSO 012 basin.

8.1.1 Model Representation of GI Technologies

In order to assess the effect of the Phase 1 GI projects on CSO activations and volumes, the current model approach for GI (as described in the LTCP) was refined to explicitly represent the various technologies being applied as part of Phase I. This section presents the specific approaches and assumptions built into the model in order to predict the effectiveness of the Phase 1 GI projects.

8.1.1.1 Building Demolitions

The City of Buffalo, in conjunction with the BSA, has been implementing building demolitions for blighted or abandoned properties since the early 2000s. Building demolitions have the effect of reclaiming impervious surfaces into green, open space with runoff characteristics driven by pervious surface runoff. As such, the effect on runoff applies to all storm events, not just storms up to a certain design standard (e.g., 1-inch capture). Therefore, to model the effect of demolitions requires changes to the way surface runoff is represented in the affected model sub-catchments. The representation of building demolitions is split up into Standard Demolitions prior to 2013 and Planned Future Demolitions starting 2013:

Standard Demolitions (Completed through 2012): All demolitions completed to date were modeled as a conversion of the model sub-catchment impervious surface to pervious surface. The following general steps and assumptions will be completed:

- All demolitions completed from 2001 to date, except for those completed before 2009 in the area tributary to CSO 012, were included in the model. Demolitions completed before 2009 in the CSO 012 area were already incorporated in the model re-calibration completed in 2010.

- Demolitions were categorized into Residential and Commercial properties. As discussed in Section 4, residential properties used the parcel (lot) area and an assumed 65 percent impervious to compute the impervious surface reduction. Commercial properties used the parcel (lot) area and a percent impervious based on the underlying land use (see Table 4-1 for assumed commercial impervious percentages).

- Model sub-catchment percent impervious was reduced (and corresponding pervious percentage increased) by the estimated impervious surface reduction.

- Pervious infiltration parameters used the calibrated model infiltration parameters.

Planned (Future) Demolitions: The BSA is piloting a revised demolition specification on selected parcels in the CSO 053 area. Buildings on these lots will be demolished using a prototype specification that requires a modified fill soil to be used in the building footprint, the entire lot area be re-graded (to approximately 0 percent slope), and that the entire lot area have the first four inches excavated and replaced with a modified top soil and planted with grass to cover the entire lot. The BSA expects that this specification will be applied for all future demolitions; therefore, the modeling approach described below was applied for all future demolitions:

- Demolitions were categorized into Residential and Commercial properties. Residential properties used the parcel (lot) area and an assumed 65 percent impervious area to compute the impervious surface reduction. Commercial properties used the parcel (lot) area and a percent imperviousness based on the underlying land use (see Table 4-1 for assumed commercial impervious percentages).

- Original model sub-catchment contributing area and percent imperviousness was reduced (and corresponding pervious percentage increased) by the estimated impervious surface area reduction removed by the demolition.

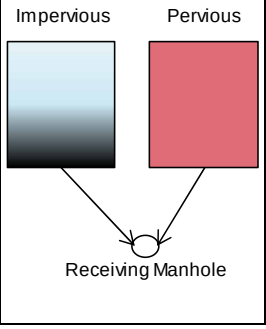
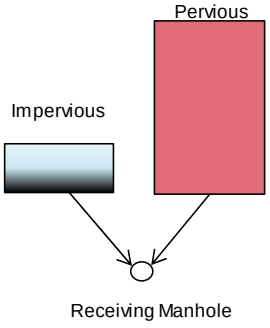
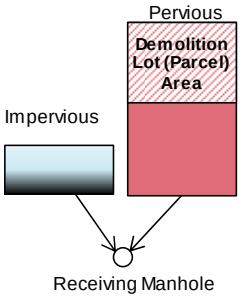
- A new model sub-catchment representing the parcel (lot) was added to the model. The new model sub-catchment was set to 0 percent impervious and used a 1-inch depression storage (representing 4-inches of modified soil with an assumed 25 percent void space), with a total area equal to the total impervious area removed through the demolition. The 25 percent assumed void space is within a range of typical assumptions for engineered or amended soils used for GI projects in GI implementations in the country including New York City, Columbus, Ohio, and Philadelphia.

- Pervious infiltration parameters for the new sub-catchment used the calibrated model infiltration parameters.

The vacant lot restoration specification for future demolitions will include requirements that deep-rooted vegetation be established in large part to maintain the void space to the greatest extent possible. In the event that limited settlement occurs, the resulting small depression will likely retain any water on the surface that may have been retained in the original voids. Over time it is assumed that this water will infiltrate or evaporate rather than run off.

Table 8-1 summarizes the pertinent model parameters and assumptions.

Table 8-1: Model Sub-catchment Representation of Building Demolitions

Parameter	Existing	Standard Demolition (Completed through 2012)	Planned (Future) Demolitions
Area	Sewer service area	No Change	• Modify original sub-catchment (reduce area by total area removed) • Create new sub-catchment area representing entire lot (parcel)
% Impervious	No Change	• Modify original sub-catchment (reduce area by impervious area removed) - Assumed Residential Parcel % Impervious: 65% - Assumed Commercial Parcel % Impervious: Land-use Based	• Modify original sub-catchment (reduce area by impervious area removed) - Assumed Residential Parcel % Impervious: 65% - Assumed Commercial Parcel % Impervious: Land-use Based • New sub-catchment 0% impervious
Flow Length	No Change	No Change	No Change
Slope	No Change	No Change	No Change
Manning	No Change	No Change	No Change
Depression Storage	No Change	No Change	• No change to original sub-catchment • New sub-catchment: 1" (representing 4" modified fill with 25% void space)
Infiltration	No Change	No Change	• No change to original sub-catchment • New sub-catchment assumes original sub-catchment parameters
% Routed	No Change	No Change	No Change
Model Sub-catchment Schematic			

8.1.1.2 All Other GI Technologies

As described previously, the technologies being applied as part of the Phase 1 GI projects (PUSH Blue and Green Streets) include rain gardens, green roofs, cisterns, and porous pavement. The modeling of these structures was, by necessity, lumped by model sub-

catchment in order to represent them in the model. The following general assumptions guided this process.

Effective storage volume and other design parameters of GI technologies were developed from available detailed design drawings and information, including design parameters based on the NYS SMDM.

Where design information is not available, the effective storage volume and other design parameters were based on generalized assumptions outlined on the following tables:

- Table 8-2: Generalized Green Infrastructure Modeling Assumptions
- Table 8-3: Rain Garden/Bioretention Cell Assumptions
- Table 8-4: Cisterns
- Table 8-5: Green Roofs
- Table 8-6: Permeable Pavement Street Assumptions

All green infrastructure facilities were assumed to dewater passively at a constant rate set to empty the full storage volume in 48 hours. The 48-hour dewatering time is an appropriately conservative assumption when considering that upwards of 90 percent of the storms in the Buffalo area during the typical year are less than one inch in depth. To match the requirements of the NYS SMDM, the BSA used a 0.9 inch rainfall in the model. Assuming a 48 hour dewatering period, a minimum infiltration rate of 0.019 inches per hour is required to fully dewater 0.9 inches of precipitation.. According to the American Society of Civil Engineers, Class D soils typically exhibit infiltration rates of 0.02 to 0.10 inches per hour; therefore, the minimum infiltration rate is within acceptable limits even for Class D soils. The calibrated model used a minimum infiltration rate of 0.025 inches per hour for Class D soils. Additionally, appropriate GI techniques (such as underdrains) will be utilized, as necessary, in areas with low soil permeability.

To obtain the parameters for each model sub-catchment, the following steps were completed:

- Performed GIS calculations to develop surface area and/or length of each technology by model sub-catchment, using detailed design drawings or the assumptions shown in Table 8-2.

- Calculated Tributary Area and Storage Volume provided by each technology by model sub-catchment, using detailed design drawings or the assumptions shown in Table 8-2.
- For each original model sub-catchment:
  - Subtracted the total green infrastructure area (across all technologies) from the original sub-catchment area.
  - Revised the original sub-catchment area accordingly, and revised the width parameter to maintain calibrated timing characteristics.
  - Created new sub-catchments for each original sub-catchment, one for each technology.
- For each new technology sub-catchment:
  - Defined basin runoff parameters according to the assumptions in Table 8-2. Maintained width to length ratios and other routing parameters from original model sub-catchment.
  - Defined a storage node in the model to represent storage volume of all runoff detention technologies within a given model sub-catchment.
  - Storage node was assumed to dewater to original sub-catchment node, with dewatering rate set to within 48 hours.
  - Storage node was assumed to overflow to original sub-catchment node when full.

Table 8-2: Generalized Green Infrastructure Modeling Assumptions

Technology	Facility Size/ Surface Area (ft^2) [1]	Contributing Area[2] (ft^2)	Storage Volume[3] (ft^3)	Detailed Technology Assumptions
Rain Garden/ Bioretention Cells	3.5-ft width x 10-ft length	6 x SA[(3)]	SA x (0.5 + 0.125 + 1)	Table 8-3
Rainwater Harvesting (Cisterns)	X-ft width x Y-ft length	Surface area calculated from building footprint	SA x (1.0/12)	Table 8-4
Green/Blue Roofs	Surface area (SA) calculated from building footprint	SA	SA x (1.5/12)	Table 8-5
Permeable Pavement		SA	SA x (9.6/12)	Table 8-6

Notes:
1. Surface area (SA) calculated from building footprint or facility delineations in design drawings, where available. If no design drawings are available, the assumption in the table will be used.
2. Contributing area calculated from facility delineations in design drawings, where available. If no design drawings are available, the assumption in the table will be used.
3. Storage volume is represented as a storage basin with a constant dewatering rate of (Storage Volume)/48 hours
4. Impervious component of tributary area is dependent on location and amount of impervious area available in original model mini-basin.

The following tables present the specific technology assumptions that were used in the model to predict GI effectiveness. Figure 8-1 below presents a generalized schematic of the typical processes of the selected GI technologies that were represented in the model. Note that not all of these processes are present in all the technologies, so this schematic was modified to illustrate the specific processes the assumptions made for model implementation. These assumptions were used where specific design information is not available.

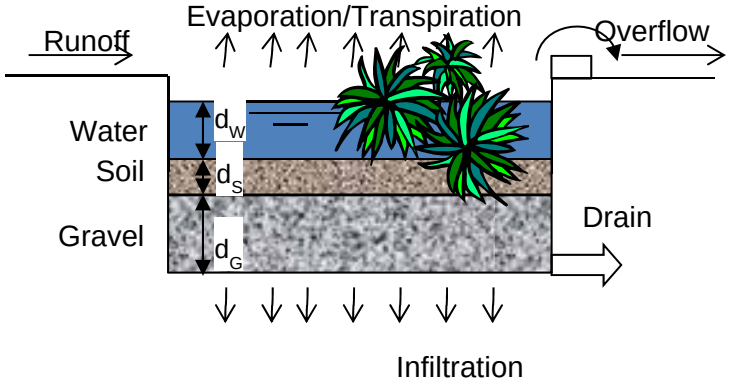


Figure 8-1: Generalized GI Process Schematic

Rain Garden/Bioretention Cell

A rain garden (RG) or bioretention cell (BRC) is constructed to detain water within the unit. Some water loss occurs through infiltration and evapotranspiration. In soils with poor permeability RG/BRCs can be designed with an underdrain system connected to the combined sewers to slowly release stored water to a storm inlet to additional GI units. A rain garden or a bioretention cell is comprised of multiple layers of fill, including a base of coarse material for storage and a soil layer for planting. They can also include water storage for additional storage capacity either on the surface or in the coarse fill. Table 8-3 presents the assumptions that were used to model the rain garden/ bioretention cell processes. Figure 8-2 illustrates the specific processes represented in the model for RB/BRCs.

Table 8-3: Rain Garden/Bioretention Cell Assumptions

Parameter	Assumption
Spacing	One RG/BRC every 50-ft, center to center
Surface Area (SA) Dimensions	3.5-ft width x 10-ft length
Layers (Top to Bottom)	d_w = 6-inch water detention d_s = 6-inch soil for planting with 25% voids d_c = 30-inch gravel with 40% voids
Evapotranspiration	Monthly evaporation rates
With Drain	Connection to sewer (sub-catchment load point) Dewater rate to dewater within 48-hours
Without Drain	Based on infiltration rate of 0.25 in/hr or rate that dewaters storage in 48-hours
Overflow	Overflow to curb lines: 3-ft by 6-inch
Routing	Route new GI catchment to RG/BC storage node Route RG/BRC dewatering to model loadpoint Route overflow from RG/BRC unit to model loadpoint

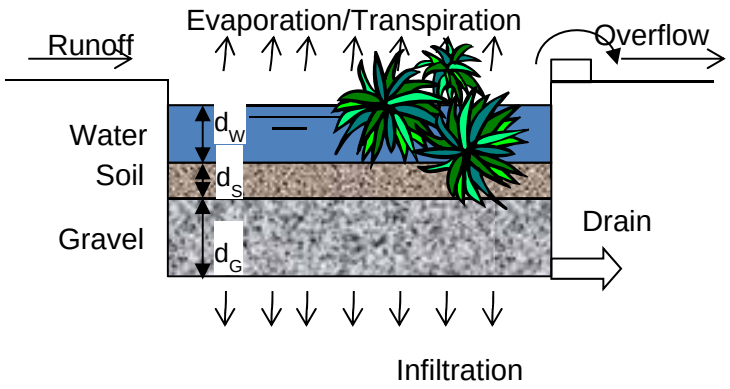


Figure 8-2: Generalized RG/BRC Process

Rainwater Harvesting (Cisterns)

Cisterns are underground storage units that collect roof runoff by intercepting downspouts. Table 8-4 presents the assumptions that will be used to model cisterns. The stored water is then used for gardening and irrigation or slowly released to combined sewers via a storm inlet. For the Phase 1 modeling, it was assumed that cisterns would dewater into the combined sewers. Figure 8-3 illustrates the specific processes represented in the model for cisterns.

Table 8-4: Rainwater Harvesting (Cisterns) Assumptions

Parameter	Assumption
Spacing	One per building
Surface Area (SA) Dimensions	2-ft width x 3.25-ft length
Layers (Top to Bottom)	d_w = Capture 1-inch over tributary impervious area d_s = NA d_c = NA
Evapotranspiration	Monthly evaporation rates
With Drain	Connection to sewer (sub-catchment load point) Dewater rate to dewater within 48-hours
Overflow	NA
Routing	Route new GI catchment to cistern storage node Route cistern overflow and dewatering to model load point

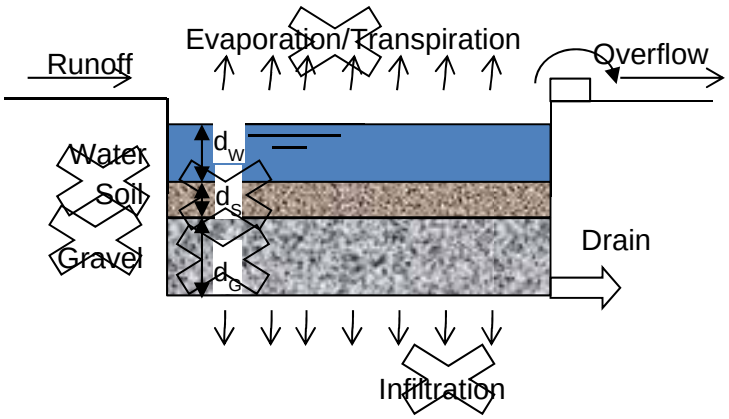


Figure 8-3: Generalized Rainwater Harvesting (Cisterns) Process Schematic

Green Roofs

A green roof is constructed to detain water on flat roof surfaces, typically on commercial or industrial roof surfaces, or for large residential building roofs. The primary function is evapotranspiration with some detention of rainwater on the roof. Rainwater stored or in excess of storage capacity is released to the sub-catchment surface through the roof gutters. A green

roof is comprised of primarily of a soil layer for planting. They can also include water storage for additional storage capacity on the surface; however, for BSA installations no water storage on the surface is assumed. Table 8-5 presents the assumptions that were used to model the green roof processes. Figure 8-4 illustrates the specific processes represented in the model for green roofs.

Table 8-5: Green Roof Assumptions

Parameter	Assumption
Spacing	One per building
Surface Area (SA) Dimensions	Building footprint, or X-ft width x y-ft length
Layers (Top to Bottom)	d_w = NA d_s = 6-inch soil for planting with 25% voids d_c = NA
Evapotranspiration	Monthly evaporation rates
With Drain	Connection to sewer (sub-catchment load point) Dewater rate to dewater within 48-hours
Overflow	NA
Routing	Route new GI catchment to Green Roof storage node Route Green Roof dewatering to model load point

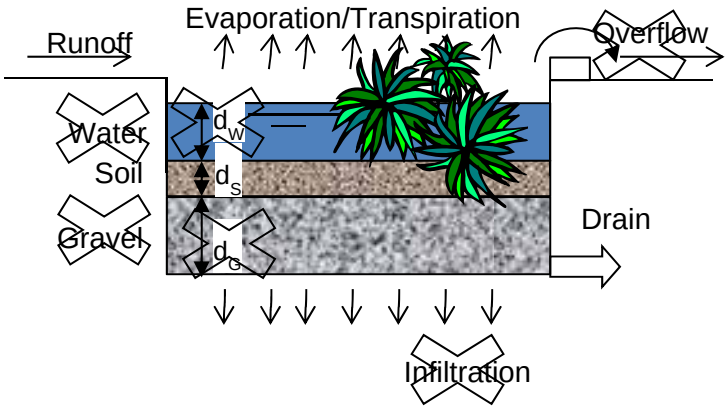


Figure 8-4: Generalized Green Roof Process

Permeable Pavement

Permeable pavement utilizes designed paving materials with large pores to allow water to infiltrate to the base courses. The intent is to provide infiltration of storm runoff and if the underdrain system is installed as part of permeable pavement design, provide additional storage in the subsurface layers with slow release of the stored water to combined sewers via a storm inlet. Where specific design information is not available, permeable pavement was considered for on-street parking lanes and not on standard traffic lanes. To model permeable pavement for the parking lane, the contributing sub-area for a specific area was assumed to include the street pavement and the right of way. The permeable pavement area (the area of the parking lane in the street) is pervious area and is routed to the sub-catchment load point. The remainder of the street (driving lanes) remains impervious and is routed to the permeable pavement due to the normal street slopes to the sides. Table 8-6 presents the assumptions that will be used to model the permeable pavement processes. Figure 8-5 illustrates the specific processes represented in the model for permeable pavement.

Table 8-6: Permeable Pavement Assumptions

Parameter	Assumption
Location	On-Street Parking lane
Dimensions	Area of parking lane (assumed 6-ft parking lane width)
Layers (Top to Bottom)	d_w = NA d_s = 3-inch porous material with 25% voids d_c = 6-inch gravel base with 40% voids
% Impervious	0%
DStore Pervious	2.4-inch (gravel depth x porosity)
Evapotranspiration	Monthly evaporation
Drain	Underdrain to dewater within 48-hours
Overflow	N/A
Routing	Route permeable pavement to model load point Route underdrain to model load point

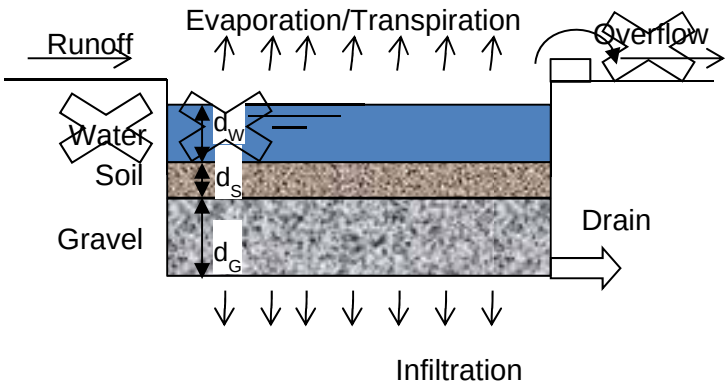


Figure 8-5: Generalized Permeable Pavement

8.1.2 Description of Benefits (Reduction in CSO Volumes/Frequencies)

The Revised Baseline model from the 2012 LTCP Update was evaluated for each CSO and receiving water body in terms of the reduction in CSO activations and volumes resulting from the implementation of the Phase 1 GI projects. Table 8-7 presents a comparison of model results for the Phase 1 GI projects with the 2012 LTCP Update Revised Baseline conditions. Residual volumes are presented for each CSO as well as the frequencies of activation. As shown in Table 8-7, the total system-wide CSO volume remaining decreased by approximately 10 percent and the activations at any given CSO affected by the Phase 1 projects showed some reductions. Note that some CSOs that exhibited significant volume reductions had little or no corresponding reduction in activations. Individual SPPs in these CSO basins are the controlling factor in activations, and for Phase 1 these SPPs did not have any Phase 1 projects (demolitions or otherwise) implemented. The model results also show some relatively large CSO reductions following relatively small GI application in some tributary areas. The predominant reason for this is that the BSA's system is interconnected to the extent that CSO reductions associated with GI in one area will affect CSOs in other areas of the City. For example, as indicated on Table 8-7, the model predicts a 33 MG reduction in CSO volume at CSO 055 between the Revised Baseline conditions and the model run that includes the Phase 1 GI projects. CSO 055 is is heavily affected by how the North Interceptor operates. Therefore, while the Hertel basin tributary to CSO 055 had very few demolitions or other Phase 1 GI projects, this overflow is impacted directly by CSO basins that do have significant demolition activity in addition to any other Phase 1 GI projects. In this particular case, that reduction in flow favorably affects CSO 055.

Table 8-7: Predicted Annual CSO Only (Excluding Stormwater and Stream Inflows) Volumes and Frequencies

Phase 1 Green Infrastructure Projects (Modified 1993 TY)

CSO Outfall	Receiving Water	CSO-only Volume (Million Gallons)		CSO-only Frequency	
		Revised Baseline[(1)]	Ph1 GIMP Projects	Revised Baseline[(1)]	Ph1 GIMP Projects
003	Niagara River	0.1	0.05	6	3
004	Black Rock Canal	11.2	10.6	5	4
005	Black Rock Canal	0.1	0.1	4	4
006	Black Rock Canal	198.9	173.4	65	65
008	Black Rock Canal	6.1	5.8	39	37
010	Black Rock Canal	11.9	11.0	44	43
011	Niagara River	134.3	114.2	41	40
012	Black Rock Canal	52.5	50.7	42	41
013	Black Rock Canal	6.8	6.3	7	6
014	Erie Basin	4.2	3.6	4	4
015	Erie Basin	6.1	5.7	12	12
016	Erie Basin	0.0	0.0	0	0
017	Buffalo River	71.3	51.7	49	49
022	Buffalo River	29.8	23.1	49	49
025	Buffalo River	1.4	1.3	11	6
026	Buffalo River	124.2	94.6	63	63
027	Buffalo River	31.7	29.2	36	36
028	Buffalo River	45.5	44.9	69	69
029	Buffalo River	0.0	0.0	0	0
032	Buffalo River	0.0	0.0	0	0
033	Buffalo River	37.8	34.9	9	8
034	Buffalo River	0.0	0.0	0	0
035	Cazenovia Creek - B	0.0	0.0	0	0
037	Cazenovia Creek - C	23.3	17.4	13	11
039	Cazenovia Creek - C	0.0	0.0	0	0
044	Cazenovia Creek - C	2.3	2.2	7	5
046	Cazenovia Creek - C	1.3	1.3	1	1
047	Cazenovia Creek - C	8.7	8.6	44	44
048	Cazenovia Creek - C	0.0	0.0	0	0

CSO Outfall	Receiving Water	CSO-only Volume (Million Gallons)		CSO-only Frequency	
		Revised Baseline[(1)]	Ph1 GIMP Projects	Revised Baseline[(1)]	Ph1 GIMP Projects
049	Buffalo River	0.0	0.0	0	0
050	Buffalo River	3.2	3.1	14	14
051	Buffalo River	1.2	1.2	4	4
052	Buffalo River	10.9	9.6	10	10
053	Scajaquada Creek	268.0	252.3	65	65
054	Niagara River	0.0	0.0	0	0
055	Cornelius Creek	601.1	568.2	41	41
056	Scajaquada Creek	0.04	0.04	5	5
057	Scajaquada Creek	0.0	0.0	0	0
058	Scajaquada Creek	0.0	0.0	0	0
059	Scajaquada Creek	0.0	0.0	0	0
060	Scajaquada Creek	0.7	0.7	5	5
061	Black Rock Canal	31.2	28.3	10	9
063	Black Rock Canal	0.6	0.6	13	13
064	Buffalo River	21.1	18.3	56	56
066	Buffalo River	1.7	1.5	10	10
	Total	**1,749.1**	**1,574.6**		

NOTE: (1) Revised Baseline results from Table 11-3 of the BSA's LTCP.

8.2 Recommended Post-Construction Monitoring of Phase 1 GI Projects

As many communities proceed with implementing GI projects as part of their CSO control programs, they face similar challenges associated with a limited body of relevant knowledge throughout the nation and complex geophysical realities such as spatial variability in land use, topography, drainage patterns and subgrade infrastructure, as well as soil and geologic characteristics. In addition to GI design variables, hydraulic loading rates of the GI facilities that can be built are also highly variable, suggesting implicit variability in stormwater capture performance of even similarly designed GI facilities. Post-Construction Monitoring (PCM) programs are generally used to quantify this variability and allow for:

- Verifying performance of various GI technologies in terms of meeting runoff reduction goals.
- Optimizing future GI design standards through improved estimation of infiltration, evapotranspiration, and inlet bypass observed at different facility locations.
- Helping understand and quantify the valuable co-benefits that complement GI as a stormwater management approach.
- Establishing asset management protocols to maintain desired performance.
- Minimizing future capital and O&M costs
- Refining collection system model approaches and calibration parameters to better quantify GI performance and benefits.

According to the NYS SMDM, the technical standards are intended to serve as design criteria for the preparation of plans and specifications for Stormwater Management Practices, which consist, in part of, proven GI technologies.

Given the BSA PCM goals, the monitoring will be performed on the following two scales:

- Site: Performance monitoring for an individual GI unit or a small group of adjacent GI units.
- Sewershed: Typically "end-of-pipe" monitoring of CSO discharges in a CSO tributary area with a large number of GI installations. This would be captured under the LTCP PCM Program. Sewershed scale monitoring is primarily used for model validation and to assess overall progress towards the stated CSO reduction goals.

In general, the PCM for the BSA Phase 1 GI projects is intended to provide documentation as to the overall performance of the GI techniques being applied across the City of Buffalo as a means of determining the best performing technologies and documenting their public acceptance and O&M requirements. Post-construction monitoring of the GI projects as intended to document compliance with the overarching goals of the LTCP will be included within the LTCP PCM, which will be submitted to the Agencies within one year of the Agencies' approval of the LTCP.

A summary of the ongoing and future site specific PCM activities specific to the BSA's Phase 1 GI program is described below.

8.2.1 Building Demolitions and Vacant Lot Management

The Phase 1 building demolition program consists of essentially two types of demolition/restoration categories. The first group involves demolitions that were completed

across the City between 2001 and 2013. These demolitions and in particular the restoration associated with them simply involved the demolition of the building followed by backfilling the basement with clay soils and site grading. Over the first five-year period, the BSA will inspect each of the completed demolitions once to confirm:

- All impervious surfaces were removed.
- Site was graded appropriately and no major ponding issues exist.
- Vegetation has been established.
- No major trash or dumping issues exist.

The second category includes post-2013 building demolitions and other vacant lot management projects. After construction, these sites will be inspected to confirm the following:

- All impervious surfaces were removed.
- Site was graded appropriately and no major ponding issues exist.
- Vegetation has been established.

The BSA will inspect each of the completed sites once again 18 months after construction. Thereafter, the BSA will coordinate with the DPW and Division of Real Estate to identify lots with trash, dumping, or other concerns.

8.2.2 Green Streets

As discussed in Section 7.2 of this report, the BSA is currently implementing the PCM for the CSO 060 green streets project. As part of this PCM program, the BSA began collecting flow data in November 2012 and will continue data collection efforts for two years.

For all new green street projects, each site will be inspected upon completion to confirm the project was constructed in accordance with approved design documents. The BSA will inspect each of the completed sites monthly for the first 18 months after construction, and then annually for the duration of Phase 1 GI. Thereafter, the BSA will coordinate with the DPW to identify any ongoing concerns and verify that scheduled maintenance is sufficient to maintain stormwater functionality.

Inspection and tracking documentation will be provided as part of the BSA's annual report.

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Appendix 7-1: Demolition and Vacant Lot Management Water Quality Volume Design Calculations

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO001a	1249 NIAGARA	0.1160	90%	0.1044	Commercial	90	0.860	0.9	0.0075	0	0.050	0.9	0.0004	0.0070
CSO001a	1164 WEST	0.0829	56%	0.0464	Detached Residential	56	0.554	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO001a	1133 WEST	0.1228	65%	0.0798	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO001a	22 PENFIELD	0.1237	90%	0.1113	Detached Residential	90	0.860	0.9	0.0080	0	0.050	0.9	0.0005	0.0075
CSO001a	1219 NIAGARA	0.0469	5%	0.0023	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0002	0.0002
CSO001a	1221 NIAGARA	0.0573	5%	0.0029	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO001a	1318 NIAGARA	0.7350	5%	0.0367	Vacant Land	5	0.095	0.9	0.0052	0	0.050	0.9	0.0028	0.0025
CSO001a	23 PENFIELD	0.0565	65%	0.0367	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO001a	197 LARKIN	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO001a	50 DELAVAN WEST	0.0525	90%	0.0472	Vacant Land	90	0.860	0.9	0.0034	0	0.050	0.9	0.0002	0.0032
CSO001a	44 ROSEVILLE	0.0493	65%	0.0320	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0022
CSO003	1847 NIAGARA	0.0614	90%	0.0552	Commercial	90	0.860	0.9	0.0040	0	0.050	0.9	0.0002	0.0037
CSO003	1839 NIAGARA	0.1923	90%	0.1731	Commercial	90	0.860	0.9	0.0124	0	0.050	0.9	0.0007	0.0117
CSO003	1835 NIAGARA	0.3357	65%	0.2182	Commercial	65	0.635	0.9	0.0160	0	0.050	0.9	0.0013	0.0147
CSO003	95 AMHERST ST	0.1707	56%	0.0956	Detached Residential	56	0.554	0.9	0.0071	0	0.050	0.9	0.0006	0.0065
CSO003	137 THOMPSON	0.0763	90%	0.0687	Detached Residential	90	0.860	0.9	0.0049	0	0.050	0.9	0.0003	0.0046
CSO003	111 AUSTIN	0.1300	65%	0.0845	Detached Residential	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO003	234 THOMPSON	0.0512	65%	0.0333	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO003	107 HAMILTON	0.0847	65%	0.0550	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO003	261 DEARBORN	0.0398	90%	0.0358	Detached Residential	90	0.860	0.9	0.0026	0	0.050	0.9	0.0001	0.0024
CSO003	174 THOMPSON	0.0624	65%	0.0406	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO003	50 HERTEL	0.1352	65%	0.0879	Detached Residential	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO003	92 HAMILTON	0.1145	65%	0.0744	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO003	103 EAST	0.1222	65%	0.0794	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO003	31 CHURCHILL	0.0578	65%	0.0376	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO003	351 EAST	0.1111	65%	0.0722	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO003	253 EAST	0.1127	90%	0.1015	Detached Residential	90	0.860	0.9	0.0073	0	0.050	0.9	0.0004	0.0068
CSO003	69 HAMILTON	0.0661	90%	0.0595	Detached Residential	90	0.860	0.9	0.0043	0	0.050	0.9	0.0002	0.0040
CSO003	1933 NIAGARA	0.0750	90%	0.0675	Detached Residential	90	0.860	0.9	0.0048	0	0.050	0.9	0.0003	0.0046
CSO003	362 EAST	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO003	116 HAMILTON	0.0900	90%	0.0810	Multi Family Residential	90	0.860	0.9	0.0058	0	0.050	0.9	0.0003	0.0055
CSO003	228 TONAWANDA	0.0458	5%	0.0023	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0002	0.0002
CSO003	108 FARMER	0.0872	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO003	269 DEARBORN	0.1262	5%	0.0063	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO003	226 TONAWANDA	0.0375	5%	0.0019	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0001	0.0001
CSO003	1887 NIAGARA	0.0697	5%	0.0035	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO003	108 HAMILTON	0.0790	90%	0.0711	Vacant Land	90	0.860	0.9	0.0051	0	0.050	0.9	0.0003	0.0048
CSO003	1941 NIAGARA	0.0790	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO003	132 HAMILTON	0.0284	65%	0.0184	Vacant Land	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0012
CSO003	394 TONAWANDA	0.0338	65%	0.0220	Vacant Land	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0015
CSO003	3 ST FRANCIS	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO003	146 AUSTIN	0.0933	65%	0.0607	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO003	24 HARP	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO003	92 GORTON	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO003	160 THOMPSON	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO003	49 CHURCHILL	0.0548	65%	0.0356	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO003	11 ST FRANCIS	0.0793	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO003	94 EAST	0.0570	65%	0.0370	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO003	355 EAST	0.1053	65%	0.0684	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO003	97 FARMER	0.0514	65%	0.0334	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0023
CSO003	212 THOMPSON	0.0593	65%	0.0385	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO003	35 CHURCHILL	0.0589	65%	0.0383	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO003	7 GUERNSEY	0.0351	65%	0.0228	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0015
CSO003	5 ST FRANCIS	0.0779	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO003	386 DEARBORN	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO003	104 FARMER	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO003	9 ST FRANCIS	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO003	153 THOMPSON	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO003	109 GUERNSEY	0.0265	65%	0.0173	Vacant Land	65	0.635	0.9	0.0013	0	0.050	0.9	0.0001	0.0012
CSO003	143 THOMPSON	0.0764	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO003	178 EAST	0.0607	65%	0.0394	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO004	103 FOREST	0.0351	90%	0.0315	Commercial	90	0.860	0.9	0.0023	0	0.050	0.9	0.0001	0.0021
CSO004	311 GRANT	0.3026	90%	0.2723	Commercial	90	0.860	0.9	0.0195	0	0.050	0.9	0.0011	0.0184
CSO004	794 POTOMAC	0.5998	90%	0.5399	Commercial	90	0.860	0.9	0.0387	0	0.050	0.9	0.0022	0.0364
CSO004	251 GRANT	0.0941	90%	0.0847	Commercial	90	0.860	0.9	0.0061	0	0.050	0.9	0.0004	0.0057
CSO004	160 CONGRESS	0.0994	90%	0.0895	Commercial	90	0.860	0.9	0.0064	0	0.050	0.9	0.0004	0.0060
CSO004	121 POTOMAC	0.2143	65%	0.1393	Commercial	65	0.635	0.9	0.0102	0	0.050	0.9	0.0008	0.0094
CSO004	264 GRANT	0.0960	56%	0.0538	Detached Residential	56	0.554	0.9	0.0040	0	0.050	0.9	0.0004	0.0036
CSO004	85 POOLEY	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO004	15 PERKINS	0.0899	65%	0.0584	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO004	22 POOLEY	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO004	422 PARKDALE	0.1119	65%	0.0727	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO004	14 CORDAGE	0.0819	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO004	121 FOREST	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO004	132 DELAVAN WEST	0.0807	65%	0.0524	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO004	85 GREENWOOD	0.0948	65%	0.0616	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO004	382 GRANT	0.0670	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO004	74 POOLEY	0.1167	65%	0.0759	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO004	1335 WEST	0.1198	65%	0.0779	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0053
CSO004	1329 WEST	0.1174	65%	0.0763	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO004	46 HELEN	0.0798	65%	0.0519	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO004	308 POTOMAC	0.0974	65%	0.0633	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO004	419 GRANT	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO004	123 BIRD	0.0879	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO004	43 BARRY	0.1146	65%	0.0745	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO004	24 GARNER	0.0745	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO004	31 GARNER	0.0839	65%	0.0546	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO004	144 POTOMAC	0.1112	65%	0.0723	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO004	140 POTOMAC	0.1490	90%	0.1341	Detached Residential	90	0.860	0.9	0.0096	0	0.050	0.9	0.0006	0.0091
CSO004	150 CONGRESS	0.0604	90%	0.0543	Detached Residential	90	0.860	0.9	0.0039	0	0.050	0.9	0.0002	0.0037

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO004	54 BIRD	0.0812	90%	0.0731	Detached Residential	90	0.860	0.9	0.0052	0	0.050	0.9	0.0003	0.0049
CSO004	179 POTOMAC	0.1217	90%	0.1095	Detached Residential	90	0.860	0.9	0.0078	0	0.050	0.9	0.0005	0.0074
CSO004	182 POTOMAC	0.0816	90%	0.0734	Detached Residential	90	0.860	0.9	0.0053	0	0.050	0.9	0.0003	0.0050
CSO004	230 POTOMAC	0.0855	90%	0.0770	Detached Residential	90	0.860	0.9	0.0055	0	0.050	0.9	0.0003	0.0052
CSO004	37 POOLEY	0.0511	65%	0.0332	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO004	27 GARNER	0.0857	65%	0.0557	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO004	142 DELAVAN WEST	0.0918	65%	0.0597	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO004	289 FOREST	0.0541	65%	0.0352	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO004	423 GRANT	0.0796	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO004	367 DEWITT	0.0659	65%	0.0428	Industrial	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO004	127 FOREST	0.0616	90%	0.0554	Multi Family Residential	90	0.860	0.9	0.0040	0	0.050	0.9	0.0002	0.0037
CSO004	250 HOYT	0.0420	90%	0.0378	Multi Family Residential	90	0.860	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO004	161 DEWITT	0.0503	90%	0.0452	Multi Family Residential	90	0.860	0.9	0.0032	0	0.050	0.9	0.0002	0.0031
CSO004	184 DELAVAN WEST	0.0484	65%	0.0315	Multi Family Residential	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO004	225 DELAVAN WEST	0.1392	65%	0.0905	None	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO004	282 FOREST	0.0795	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO004	524 GRANT	0.1654	5%	0.0083	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0006	0.0006
CSO004	386 GRANT	0.0698	5%	0.0035	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO004	363 GRANT	0.1701	5%	0.0085	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0006	0.0006
CSO004	485 GRANT	0.0771	5%	0.0039	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO004	408 GRANT	0.0647	5%	0.0032	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO004	15 HELEN	0.0981	65%	0.0638	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO004	97 GREENWOOD	0.0873	65%	0.0567	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO004	139 POTOMAC	0.0948	90%	0.0853	Vacant Land	90	0.860	0.9	0.0061	0	0.050	0.9	0.0004	0.0058
CSO004	297 PARKDALE	0.1087	65%	0.0706	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO004	173 DEWITT	0.0972	65%	0.0632	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO004	292 PARKDALE	0.0920	65%	0.0598	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO004	159 BIRD	0.1082	65%	0.0703	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0047
CSO004	265 DELAVAN WEST	0.0684	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO004	274 DEWITT	0.0911	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO004	323 HOYT	0.0476	65%	0.0309	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO004	167 DEWITT	0.2046	65%	0.1330	Vacant Land	65	0.635	0.9	0.0097	0	0.050	0.9	0.0008	0.0090
CSO004	548 GRANT	0.0914	65%	0.0594	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO004	106 GARNER	0.0818	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO004	81 POOLEY	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO004	16 CORDAGE	0.0861	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO004	99 GREENWOOD	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO004	94 GARNER	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO004	230 DEWITT	0.0813	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO004	28 PERKINS	0.0949	65%	0.0617	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO004	235 DELAVAN WEST	0.0808	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO004	263 DELAVAN WEST	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO004	1343 WEST	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO004	19 HELEN	0.0518	65%	0.0337	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO004	483 GRANT	0.0857	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038

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						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO004	480 GRANT	0.0379	65%	0.0246	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO004	298 PARKDALE	0.0624	65%	0.0406	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO004	52 POOLEY	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO004	176 CONGRESS	0.0899	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO004	151 DELAVAN WEST	0.0986	65%	0.0641	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO004	21 HELEN	0.0483	65%	0.0314	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO004	84 POOLEY	0.1000	65%	0.0650	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO004	42 BARRY	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO004	143 POTOMAC	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO004	29 HELEN	0.0968	65%	0.0629	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO004	301 PARKDALE	0.1333	65%	0.0866	Vacant Land	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO004	338 POTOMAC	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO004	182 FOREST	0.0759	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO004	287 HOYT	0.0938	65%	0.0610	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO004	233 FOREST	0.0898	65%	0.0584	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO004	17 BARRY	0.1148	65%	0.0746	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO004	207 FOREST	0.1038	90%	0.0934	Vacant Land	90	0.860	0.9	0.0067	0	0.050	0.9	0.0004	0.0063
CSO004	298 HERKIMER	0.0941	90%	0.0847	Vacant Land	90	0.860	0.9	0.0061	0	0.050	0.9	0.0004	0.0057
CSO004	105 GARNER	0.0930	90%	0.0837	Vacant Land	90	0.860	0.9	0.0060	0	0.050	0.9	0.0003	0.0057
CSO004	178 CONGRESS	0.0918	90%	0.0826	Vacant Land	90	0.860	0.9	0.0059	0	0.050	0.9	0.0003	0.0056
CSO004	21 GARNER	0.0874	65%	0.0568	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO004	11 PERKINS	0.1069	65%	0.0695	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO004	280 PARKDALE	0.0967	65%	0.0629	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO004	188 DEWITT	0.1121	65%	0.0728	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO004	296 BAYNES	0.1015	65%	0.0660	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO005	1469 NIAGARA	0.0664	90%	0.0598	Commercial	90	0.860	0.9	0.0043	0	0.050	0.9	0.0002	0.0040
CSO005	97 POTOMAC	0.0533	65%	0.0346	Commercial	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO005	1205 WEST	0.0714	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO005	1176 WEST	0.0592	5%	0.0030	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO005	1187 WEST	0.0556	65%	0.0361	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO005	1172 WEST	0.0634	65%	0.0412	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO005	1200 WEST	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO005	1191 WEST	0.0848	65%	0.0551	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO005	1186 WEST	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO005	1185 WEST	0.0608	65%	0.0395	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO005	1218 WEST	0.0900	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO005	1216 WEST	0.1052	65%	0.0684	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO006	245 FERRY EAST	0.0464	90%	0.0417	Commercial	90	0.860	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO006	172 FERRY EAST	0.0994	90%	0.0895	Commercial	90	0.860	0.9	0.0064	0	0.050	0.9	0.0004	0.0060
CSO006	101 WOODLAWN	0.0695	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO006	255 WOODLAWN	0.0420	90%	0.0378	Detached Residential	90	0.860	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO006	102 PURDY	0.0562	65%	0.0366	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO006	65 VERPLANCK	0.0563	65%	0.0366	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO006	26 WAVERLY	0.0702	65%	0.0457	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO006	123 WELKER	0.0717	65%	0.0466	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031

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						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO006	136 HARVARD	0.0620	65%	0.0403	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO006	194 UTICA EAST	0.1833	40%	0.0733	Detached Residential	40	0.410	0.9	0.0056	0	0.050	0.9	0.0007	0.0049
CSO006	383 MASTEN	0.0460	40%	0.0184	Detached Residential	40	0.410	0.9	0.0014	0	0.050	0.9	0.0002	0.0012
CSO006	85 WAVERLY	0.0561	40%	0.0224	Detached Residential	40	0.410	0.9	0.0017	0	0.050	0.9	0.0002	0.0015
CSO006	30 WAVERLY	0.0683	40%	0.0273	Detached Residential	40	0.410	0.9	0.0021	0	0.050	0.9	0.0003	0.0018
CSO006	127 WOODLAWN	0.0690	40%	0.0276	Detached Residential	40	0.410	0.9	0.0021	0	0.050	0.9	0.0003	0.0019
CSO006	55 PURDY	0.0824	40%	0.0330	Detached Residential	40	0.410	0.9	0.0025	0	0.050	0.9	0.0003	0.0022
CSO006	187 GLENWOOD	0.1453	40%	0.0581	Detached Residential	40	0.410	0.9	0.0045	0	0.050	0.9	0.0005	0.0039
CSO006	1506 MICHIGAN	0.2520	40%	0.1008	Detached Residential	40	0.410	0.9	0.0078	0	0.050	0.9	0.0009	0.0068
CSO006	22 WAVERLY	0.0743	40%	0.0297	Detached Residential	40	0.410	0.9	0.0023	0	0.050	0.9	0.0003	0.0020
CSO006	67 VERPLANCK	0.0612	40%	0.0245	Detached Residential	40	0.410	0.9	0.0019	0	0.050	0.9	0.0002	0.0017
CSO006	213 GLENWOOD	0.1762	40%	0.0705	Detached Residential	40	0.410	0.9	0.0054	0	0.050	0.9	0.0007	0.0048
CSO006	180 UTICA EAST	0.0992	40%	0.0397	Detached Residential	40	0.410	0.9	0.0031	0	0.050	0.9	0.0004	0.0027
CSO006	80 VERPLANCK	0.0701	40%	0.0280	Detached Residential	40	0.410	0.9	0.0022	0	0.050	0.9	0.0003	0.0019
CSO006	164 PURDY	0.0562	40%	0.0225	Detached Residential	40	0.410	0.9	0.0017	0	0.050	0.9	0.0002	0.0015
CSO006	86 CHESTER	0.0583	40%	0.0233	Detached Residential	40	0.410	0.9	0.0018	0	0.050	0.9	0.0002	0.0016
CSO006	188 GLENWOOD	0.0817	40%	0.0327	Detached Residential	40	0.410	0.9	0.0025	0	0.050	0.9	0.0003	0.0022
CSO006	77 WOODLAWN	0.0371	40%	0.0148	Detached Residential	40	0.410	0.9	0.0011	0	0.050	0.9	0.0001	0.0010
CSO006	496 MASTEN	0.0638	40%	0.0255	Detached Residential	40	0.410	0.9	0.0020	0	0.050	0.9	0.0002	0.0017
CSO006	75 WOODLAWN	0.0355	40%	0.0142	Detached Residential	40	0.410	0.9	0.0011	0	0.050	0.9	0.0001	0.0010
CSO006	63 HARVARD	0.1438	65%	0.0935	Multi Family Residential	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063
CSO006	140 VERPLANCK	0.0588	90%	0.0529	Multi Family Residential	90	0.860	0.9	0.0038	0	0.050	0.9	0.0002	0.0036
CSO006	60 VERPLANCK	0.0561	65%	0.0365	None	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO006	70 VERPLANCK	0.0709	65%	0.0461	None	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO006	60 WELKER	0.0565	65%	0.0367	None	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO006	64 WELKER	0.0575	65%	0.0373	None	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO006	66 WELKER	0.0554	65%	0.0360	None	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO006	72 WELKER	0.0668	65%	0.0434	None	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO006	68 WELKER	0.0722	65%	0.0469	None	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO006	16 OTIS	0.0915	65%	0.0595	None	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO006	230 UTICA EAST	0.0917	5%	0.0046	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0003	0.0003
CSO006	201 GLENWOOD	0.2105	5%	0.0105	Vacant Land	5	0.095	0.9	0.0015	0	0.050	0.9	0.0008	0.0007
CSO006	353 MASTEN	0.0349	5%	0.0017	Vacant Land	5	0.095	0.9	0.0002	0	0.050	0.9	0.0001	0.0001
CSO006	28 OXFORD	0.0939	5%	0.0047	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO006	147 WOODLAWN	0.1057	5%	0.0053	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO006	25 OXFORD	0.1083	5%	0.0054	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO006	153 FERRY EAST	0.1492	5%	0.0075	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO006	242 FERRY EAST	0.0640	5%	0.0032	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO006	59 GLENWOOD	0.1401	5%	0.0070	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO006	143 OXFORD	0.0884	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO006	53 PURDY	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO006	176 UTICA EAST	0.0945	65%	0.0614	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO006	170 UTICA EAST	0.0865	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO006	34 EMERSON	0.0709	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO006	60 OTIS	0.0880	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO006	105 WOODLAWN	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO006	17 MORLEY	0.1422	65%	0.0924	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0062
CSO006	169 LANCASTER	0.0888	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO006	1460 MICHIGAN	0.0867	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO006	48 WOODLAWN	0.0463	65%	0.0301	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO006	235 GLENWOOD	0.0510	65%	0.0331	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO006	75 WELKER	0.0667	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO006	445 MASTEN	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO006	99 PURDY	0.0587	65%	0.0382	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO006	114 PURDY	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO006	125 WOODLAWN	0.0706	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO006	28 GLENWOOD	0.1640	65%	0.1066	Vacant Land	65	0.635	0.9	0.0078	0	0.050	0.9	0.0006	0.0072
CSO006	103 PURDY	0.0576	65%	0.0375	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO006	19 OXFORD	0.1022	65%	0.0664	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO006	198 GLENWOOD	0.0728	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO006	106 VERPLANCK	0.0526	65%	0.0342	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO006	18 CHESTER	0.0886	65%	0.0576	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO006	108 GLENWOOD	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO006	117 WOODLAWN	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO006	141 OXFORD	0.0882	65%	0.0573	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO006	109 WOODLAWN	0.0693	65%	0.0451	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO006	122 WELKER	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO006	204 UTICA EAST	0.0824	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO006	39 OXFORD	0.1325	65%	0.0861	Vacant Land	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO006	498 MASTEN	0.0632	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO006	56 WOODLAWN	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO006	235 WOODLAWN	0.0661	65%	0.0430	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO006	109 OXFORD	0.1059	65%	0.0688	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO006	65 OXFORD	0.0791	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO006	349 MASTEN	0.1727	65%	0.1122	Vacant Land	65	0.635	0.9	0.0082	0	0.050	0.9	0.0006	0.0076
CSO006	46 BALCOM WEST	0.1476	65%	0.0959	Vacant Land	65	0.635	0.9	0.0070	0	0.050	0.9	0.0006	0.0065
CSO006	107 WELKER	0.0627	65%	0.0407	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO006	161 FERRY EAST	0.1599	65%	0.1040	Vacant Land	65	0.635	0.9	0.0076	0	0.050	0.9	0.0006	0.0070
CSO006	73 WELKER	0.0643	65%	0.0418	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO006	174 GLENWOOD	0.0656	65%	0.0426	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO006	25 WOODLAWN	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO006	23 WAVERLY	0.0724	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO006	1470 MICHIGAN	0.0865	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO006	25 MORLEY	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO006	1464 MICHIGAN	0.0929	65%	0.0604	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO006	1466 MICHIGAN	0.0901	65%	0.0586	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO006	52 OXFORD	0.1066	65%	0.0693	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO006	200 WOODLAWN	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO006	50 OTIS	0.1060	65%	0.0689	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0047
CSO006	237 GLENWOOD	0.0500	65%	0.0325	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO006	347 MASTEN	0.1449	65%	0.0942	Vacant Land	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0064
CSO006	1017 LAFAYETTE AVE	0.0868	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO006	236 WOODLAWN	0.0530	65%	0.0344	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO006	343 MASTEN	0.1562	65%	0.1015	Vacant Land	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0069
CSO006	173 GLENWOOD	0.1085	65%	0.0705	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO006	51 ALEXANDER	0.0932	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO006	212 UTICA EAST	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO006	218 UTICA EAST	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO006	103 WELKER	0.0627	65%	0.0408	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO006	239 FERRY EAST	0.0809	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO008	306 AUBURN	0.4839	90%	0.4355	Commercial	90	0.860	0.9	0.0312	0	0.050	0.9	0.0018	0.0294
CSO008	190 GRANT	0.0901	65%	0.0586	Commercial	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO008	223 HERKIMER	0.0691	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO008	138 HOYT	0.1128	5%	0.0056	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO008	254 HERKIMER	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO008	237 HERKIMER	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO008	140 HOYT	0.0959	65%	0.0623	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO010	19 AUCHINVOLE	0.0986	65%	0.0641	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO010	36 DEWITT	0.1000	65%	0.0650	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO010	137 GELSTON	0.0524	65%	0.0340	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO010	16 FERGUSON	0.1095	65%	0.0712	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO010	23 FERGUSON	0.0429	65%	0.0279	Detached Residential	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO010	18 FERGUSON	0.0935	65%	0.0607	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO010	723 PLYMOUTH	0.0873	65%	0.0568	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO010	77 GELSTON	0.0638	65%	0.0415	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO010	55 ARKANSAS	0.1265	65%	0.0822	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO010	82 PARKDALE	0.0855	65%	0.0556	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO010	173 FERRY WEST	0.0735	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO010	208 BRECKENRIDGE	0.0862	65%	0.0560	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO010	213 BRECKENRIDGE	0.1160	65%	0.0754	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO010	1054 WEST	0.0488	65%	0.0317	Detached Residential	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO010	42 FERGUSON	0.0923	65%	0.0600	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO010	19 FERGUSON	0.0429	65%	0.0279	Detached Residential	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO010	268 BRECKENRIDGE	0.1035	65%	0.0673	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO010	737 PLYMOUTH	0.1023	65%	0.0665	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO010	209 BRECKENRIDGE	0.0744	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO010	127 HERKIMER	0.0826	65%	0.0537	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO010	75 PARKDALE	0.0794	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO010	719 PLYMOUTH	0.0591	65%	0.0384	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO010	46 FERGUSON	0.0934	65%	0.0607	None	65	0.635	0.9	0.0044	0	0.050	0.9	0.0004	0.0041
CSO010	159 FERRY WEST	0.0712	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO010	63 BARTON	0.0554	5%	0.0028	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO010	733 PLYMOUTH	0.0840	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO010	207 BRECKENRIDGE	0.0710	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO010	11 ARNOLD	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO010	28 ARNOLD	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO010	133 GELSTON	0.0531	65%	0.0345	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO010	58 ARKANSAS	0.0412	65%	0.0268	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO010	725 PLYMOUTH	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO010	25 ARNOLD	0.0730	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO010	95 ARKANSAS	0.0424	65%	0.0276	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO010	174 HERKIMER	0.1109	65%	0.0721	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO010	332 BRECKENRIDGE	0.0675	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO010	144 BRECKENRIDGE	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO010	61 ARKANSAS	0.1236	65%	0.0804	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO010	42 ARKANSAS	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO010	967 WEST	0.2388	65%	0.1552	Vacant Land	65	0.635	0.9	0.0114	0	0.050	0.9	0.0009	0.0105
CSO010	115 AUBURN	0.0596	65%	0.0387	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO010	132 HERKIMER	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO010	86 GELSTON	0.1002	65%	0.0651	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO010	30 ARNOLD	0.0710	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO010	252 BRECKENRIDGE	0.1126	65%	0.0732	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0049
CSO010	55 BOYD	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO010	84 AUBURN	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO010	77 PARKDALE	0.0870	65%	0.0565	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO010	44 ARKANSAS	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO010	36 PARKDALE	0.0247	65%	0.0161	Vacant Land	65	0.635	0.9	0.0012	0	0.050	0.9	0.0001	0.0011
CSO010	56 ARKANSAS	0.0413	65%	0.0269	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO010	27 DEWITT	0.1406	65%	0.0914	Vacant Land	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO010	235 BRECKENRIDGE	0.0406	65%	0.0264	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO010	169 FERRY WEST	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO010	63 BOYD	0.0559	65%	0.0363	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO010	180 HERKIMER	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO010	97 GELSTON	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO010	20 FERGUSON	0.0936	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO010	38 DEWITT	0.0326	65%	0.0212	Vacant Land	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0014
CSO010	90 BRECKENRIDGE	0.0805	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO011	564 NIAGARA	0.4196	90%	0.3776	Commercial	90	0.860	0.9	0.0271	0	0.050	0.9	0.0016	0.0255
CSO011	783 NIAGARA	0.4530	40%	0.1812	Community Service / Institutional	40	0.410	0.9	0.0139	0	0.050	0.9	0.0017	0.0122
CSO011	287 PROSPECT	0.1344	56%	0.0753	Detached Residential	56	0.554	0.9	0.0056	0	0.050	0.9	0.0005	0.0051
CSO011	574 BUSTI	0.0862	56%	0.0483	Detached Residential	56	0.554	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO011	562 SEVENTH	0.0936	56%	0.0524	Detached Residential	56	0.554	0.9	0.0039	0	0.050	0.9	0.0004	0.0035
CSO011	406 BUSTI	0.1142	65%	0.0742	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO011	495 SEVENTH	0.0826	65%	0.0537	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO011	299 BUSTI	0.0341	65%	0.0222	Detached Residential	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0015
CSO011	551 BUSTI	0.0836	65%	0.0544	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO011	440 BUSTI	0.1177	65%	0.0765	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO011	83 PENNSYLVANIA	0.1117	65%	0.0726	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO011	486 BUSTI	0.1830	65%	0.1190	Detached Residential	65	0.635	0.9	0.0087	0	0.050	0.9	0.0007	0.0080
CSO011	395 BUSTI	0.1296	65%	0.0843	Detached Residential	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO011	236 BUSTI	0.0542	65%	0.0352	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO011	117 MARYLAND	0.2216	65%	0.1440	Detached Residential	65	0.635	0.9	0.0106	0	0.050	0.9	0.0008	0.0097
CSO011	401 BUSTI	0.0651	65%	0.0423	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO011	494 BUSTI	0.0821	65%	0.0534	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO011	452 SEVENTH	0.0632	65%	0.0411	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO011	241 BUSTI	0.1010	65%	0.0657	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO011	493 SEVENTH	0.1033	65%	0.0672	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO011	463 BUSTI	0.0761	65%	0.0495	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO011	401 PROSPECT	0.1500	65%	0.0975	Detached Residential	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0066
CSO011	157 TENTH	0.1813	65%	0.1179	Detached Residential	65	0.635	0.9	0.0086	0	0.050	0.9	0.0007	0.0080
CSO011	167 TENTH	0.1877	65%	0.1220	Detached Residential	65	0.635	0.9	0.0089	0	0.050	0.9	0.0007	0.0082
CSO011	282 BUSTI	0.3558	65%	0.2312	Detached Residential	65	0.635	0.9	0.0169	0	0.050	0.9	0.0013	0.0156
CSO011	260 TRENTON	0.0611	65%	0.0397	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO011	461 BUSTI	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO011	246 TRENTON	0.0559	65%	0.0363	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO011	432 BUSTI	0.0594	65%	0.0386	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO011	428 BUSTI	0.0587	65%	0.0382	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO011	408 BUSTI	0.0592	65%	0.0385	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO011	294 TRENTON	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO011	458 BUSTI	0.1183	65%	0.0769	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO011	382 PROSPECT	0.0672	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO011	149 TENTH	0.0620	65%	0.0403	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO011	467 BUSTI	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO011	276 TRENTON	0.0566	65%	0.0368	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO011	487 BUSTI	0.0923	65%	0.0600	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO011	409 BUSTI	0.1318	65%	0.0857	Detached Residential	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO011	547 BUSTI	0.0731	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO011	488 BUSTI	0.0931	65%	0.0605	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO011	471 BUSTI	0.0733	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO011	397 BUSTI	0.0624	65%	0.0406	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO011	208 MARYLAND	0.0777	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO011	307 TRENTON	0.0584	65%	0.0380	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO011	121 MARYLAND	0.1098	65%	0.0714	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO011	306 TRENTON	0.0618	65%	0.0402	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO011	173 TENTH	0.0668	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO011	159 TENTH	0.0609	65%	0.0396	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO011	439 BUSTI	0.0844	65%	0.0548	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO011	381 TRENTON	0.7103	65%	0.4617	Detached Residential	65	0.635	0.9	0.0338	0	0.050	0.9	0.0027	0.0312
CSO011	415 TRENTON	0.0248	65%	0.0161	Detached Residential	65	0.635	0.9	0.0012	0	0.050	0.9	0.0001	0.0011
CSO011	399 TRENTON	0.0541	65%	0.0352	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO011	296 BUSTI	0.0550	65%	0.0358	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO011	292 BUSTI	0.0738	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO011	286 BUSTI	0.1131	65%	0.0735	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO011	145 TENTH	0.0434	65%	0.0282	Detached Residential	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO011	400 BUSTI	0.0598	65%	0.0388	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO011	266 HUDSON	0.1022	65%	0.0665	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO011	555 SEVENTH	0.0974	65%	0.0633	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO011	426 SEVENTH	0.0810	65%	0.0527	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO011	11 FARGO	0.1107	90%	0.0996	Multi Family Residential	90	0.860	0.9	0.0071	0	0.050	0.9	0.0004	0.0067
CSO011	435 SEVENTH	0.1284	90%	0.1156	Multi Family Residential	90	0.860	0.9	0.0083	0	0.050	0.9	0.0005	0.0078
CSO011	468 SEVENTH	0.0643	90%	0.0579	Multi Family Residential	90	0.860	0.9	0.0041	0	0.050	0.9	0.0002	0.0039
CSO011	475 SEVENTH	0.1052	90%	0.0947	Multi Family Residential	90	0.860	0.9	0.0068	0	0.050	0.9	0.0004	0.0064
CSO011	251 TRENTON	0.0721	65%	0.0469	None	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO011	389 PROSPECT	0.1518	5%	0.0076	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO011	420 BUSTI	0.0669	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO011	155 FARGO	0.0980	5%	0.0049	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO011	393 SEVENTH	0.0735	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO011	220 HUDSON	0.1122	5%	0.0056	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO011	513 NIAGARA	0.0731	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO011	523 BUSTI	0.0608	5%	0.0030	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO011	501 SEVENTH	0.0874	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO011	602 FOURTH	2.6023	5%	0.1301	Vacant Land	5	0.095	0.9	0.0185	0	0.050	0.9	0.0098	0.0088
CSO011	464 BUSTI	0.0611	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO011	262 BUSTI	0.0602	65%	0.0391	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO011	110 JERSEY	0.0291	65%	0.0189	Vacant Land	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO011	431 BUSTI	0.1329	65%	0.0864	Vacant Land	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO011	375 TRENTON	0.0586	65%	0.0381	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO011	344 PROSPECT	0.1019	65%	0.0662	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO011	262 WHITNEY	0.0621	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO011	138 JERSEY	0.0660	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO011	497 SEVENTH	0.2504	65%	0.1628	Vacant Land	65	0.635	0.9	0.0119	0	0.050	0.9	0.0009	0.0110
CSO011	500 SEVENTH	0.0979	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO011	556 SEVENTH	0.0879	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO011	298 TRENTON	0.0573	65%	0.0373	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO011	272 BUSTI	0.0502	65%	0.0327	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO011	428 SEVENTH	0.0801	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO011	394 SEVENTH	0.0541	65%	0.0352	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO011	547 SEVENTH	0.0896	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO011	463 SEVENTH	0.0552	65%	0.0359	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO011	494 SEVENTH	0.0847	65%	0.0551	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO011	259 HUDSON	0.1081	65%	0.0702	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO011	122 PENNSYLVANIA	0.0707	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO011	312 BUSTI	0.0708	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO011	270 BUSTI	0.0563	65%	0.0366	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO011	243 MARYLAND	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO011	383 SEVENTH	0.0407	65%	0.0265	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO011	469 BUSTI	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO011	257 TRENTON	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO011	396 BUSTI	0.0562	65%	0.0365	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO011	419 SEVENTH	0.0962	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO011	243 WHITNEY	0.0496	65%	0.0323	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO011	563 SEVENTH	0.1008	65%	0.0655	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO011	528 BUSTI	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO011	275 EFNER	0.0553	65%	0.0360	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO011	240 BUSTI	0.0580	65%	0.0377	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO011	84 VIRGINIA ST	0.0512	65%	0.0333	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO011	273 BUSTI	0.0564	65%	0.0366	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO011	231 TRENTON	0.1872	65%	0.1217	Vacant Land	65	0.635	0.9	0.0089	0	0.050	0.9	0.0007	0.0082
CSO011	397 SEVENTH	0.0786	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO011	523 SEVENTH	0.0550	65%	0.0358	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO011	341 PROSPECT	0.0648	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO011	498 SEVENTH	0.1129	65%	0.0734	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO011	273 PROSPECT	0.0649	65%	0.0422	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO011	266 TRENTON	0.0638	65%	0.0415	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO011	187 PENNSYLVANIA	0.0530	65%	0.0344	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO011	43 LAKEVIEW	0.0830	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO011	316 BUSTI	0.0690	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO011	258 WHITNEY	0.0567	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO011	258 BUSTI	0.0602	65%	0.0392	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO011	500 BUSTI	0.0903	65%	0.0587	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO011	560 SEVENTH	0.0867	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO011	400 SEVENTH	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO011	412 BUSTI	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO011	249 BUSTI	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO011	238 BUSTI	0.0510	65%	0.0331	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO011	19 FARGO	0.1366	65%	0.0888	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO011	483 BUSTI	0.0611	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO011	496 SEVENTH	0.0861	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO011	116 JERSEY	0.0375	65%	0.0244	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0016
CSO011	576 SEVENTH	0.1069	65%	0.0695	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO011	54 MARYLAND	0.0357	65%	0.0232	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO011	459 BUSTI	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO011	602 NIAGARA	0.0817	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO011	499 SEVENTH	0.0842	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO011	478 BUSTI	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO011	270 TRENTON	0.0649	65%	0.0422	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO012	430 JERSEY	0.2274	90%	0.2047	Commercial	90	0.860	0.9	0.0147	0	0.050	0.9	0.0009	0.0138
CSO012	364 CONNECTICUT	0.2931	90%	0.2638	Commercial	90	0.860	0.9	0.0189	0	0.050	0.9	0.0011	0.0178
CSO012	449 CONNECTICUT	0.0723	65%	0.0470	Commercial	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO012	931 PROSPECT	0.0828	56%	0.0464	Detached Residential	56	0.554	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO012	70 ARNOLD	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO012	58 RHODE ISLAND	0.0946	65%	0.0615	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO012	450 FARGO	0.0884	65%	0.0575	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO012	14 PUTNAM SOUTH	0.0899	65%	0.0585	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO012	56 LAWRENCE	0.0811	65%	0.0527	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO012	141 SCHOOL	0.0687	65%	0.0447	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	18 EIGHTEENTH	0.0671	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO012	522 FARGO	0.1358	65%	0.0883	Detached Residential	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO012	400 PLYMOUTH	0.0439	65%	0.0286	Detached Residential	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO012	24 BAYNES	0.0770	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO012	104 BAYNES	0.0675	65%	0.0438	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO012	32 SHERWOOD	0.0682	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO012	302 VERMONT	0.1327	65%	0.0863	Detached Residential	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO012	151 MASSACHUSETTS	0.0567	65%	0.0368	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	151 NORMAL	0.1108	65%	0.0720	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO012	174 HAMPSHIRE	0.0593	65%	0.0386	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO012	121 HAMPSHIRE	0.0926	65%	0.0602	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO012	139 SCHOOL	0.0691	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	339 MASSACHUSETTS	0.0861	65%	0.0560	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	619 FARGO	0.1038	65%	0.0675	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0046
CSO012	44 MASSACHUSETTS	0.0520	65%	0.0338	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO012	270 MASSACHUSETTS	0.0605	65%	0.0393	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO012	282 VERMONT	0.0596	65%	0.0388	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO012	919 PROSPECT	0.0559	65%	0.0364	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	335 MASSACHUSETTS	0.0738	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO012	105 BAYNES	0.0953	65%	0.0619	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO012	439 VERMONT	0.0832	65%	0.0541	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO012	399 PLYMOUTH	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	441 NORMAL	0.0944	65%	0.0613	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO012	266 MASSACHUSETTS	0.0606	65%	0.0394	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO012	28 SHERWOOD	0.0634	65%	0.0412	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO012	244 RHODE ISLAND	0.0694	65%	0.0451	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	361 FOURTEENTH	0.0800	65%	0.0520	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO012	773 WEST	0.0718	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO012	506 WEST	0.0914	65%	0.0594	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO012	269 HAMPSHIRE	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO012	298 FIFTEENTH	0.1204	65%	0.0783	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0005	0.0053
CSO012	373 FOURTEENTH	0.1052	65%	0.0684	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO012	303 PLYMOUTH	0.0910	65%	0.0592	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO012	442 PLYMOUTH	0.1105	65%	0.0718	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO012	113 SEVENTEENTH	0.0917	65%	0.0596	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO012	15 PUTNAM ST	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO012	73 BAYNES	0.0908	65%	0.0590	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO012	244 FOURTEENTH	0.0865	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	359 NORMAL	0.0866	65%	0.0563	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	276 VERMONT	0.1141	65%	0.0742	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO012	238 RHODE ISLAND	0.1374	65%	0.0893	Detached Residential	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO012	923 PROSPECT	0.0559	65%	0.0363	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	157 MASSACHUSETTS	0.0534	65%	0.0347	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO012	224 RHODE ISLAND	0.0748	65%	0.0487	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO012	168 RHODE ISLAND	0.0801	65%	0.0521	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO012	189 HAMPSHIRE	0.0767	65%	0.0499	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO012	40 MASSACHUSETTS	0.0715	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO012	171 NORMAL	0.1413	65%	0.0919	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO012	225 MASSACHUSETTS	0.0759	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO012	541 UTICA WEST	0.1098	65%	0.0714	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO012	238 VERMONT	0.0687	65%	0.0447	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	99 CHENANGO	0.1100	65%	0.0715	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO012	383 FOURTEENTH	0.1054	65%	0.0685	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO012	48 YORK	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO012	307 FOURTEENTH	0.1175	65%	0.0764	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO012	558 FARGO	0.1227	65%	0.0797	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO012	288 FIFTEENTH	0.0292	65%	0.0189	Detached Residential	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO012	160 MASSACHUSETTS	0.0680	65%	0.0442	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO012	340 HAMPSHIRE	0.0621	65%	0.0403	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO012	76 SCHOOL	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO012	247 RHODE ISLAND	0.1451	65%	0.0943	Detached Residential	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0064
CSO012	33 BARTON	0.0730	90%	0.0657	Multi Family Residential	90	0.860	0.9	0.0047	0	0.050	0.9	0.0003	0.0044
CSO012	368 AUBURN	0.0934	90%	0.0840	Multi Family Residential	90	0.860	0.9	0.0060	0	0.050	0.9	0.0004	0.0057
CSO012	44 RIPLEY	0.0860	65%	0.0559	None	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	82 ARNOLD	0.0640	65%	0.0416	None	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO012	184 RHODE ISLAND	0.1313	9%	0.0118	Recreation	9	0.131	0.9	0.0013	0	0.050	0.9	0.0005	0.0008
CSO012	424 FERRY WEST	0.0752	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO012	844 PROSPECT	0.0754	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO012	414 AUBURN	0.0565	5%	0.0028	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO012	159 FOURTEENTH	0.1146	5%	0.0057	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO012	247 MASSACHUSETTS	0.0735	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO012	524 UTICA WEST	0.0671	5%	0.0034	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO012	28 PUTNAM SOUTH	0.0869	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO012	217 MASSACHUSETTS	0.0732	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO012	280 FOURTEENTH	0.0543	5%	0.0027	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO012	911 COLUMBUS PKWY	0.0910	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO012	234 ALBANY	0.1275	5%	0.0064	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO012	360 CONNECTICUT	0.0860	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO012	291 CONNECTICUT	0.0914	5%	0.0046	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0003	0.0003
CSO012	309 FOURTEENTH	0.1814	5%	0.0091	Vacant Land	5	0.095	0.9	0.0013	0	0.050	0.9	0.0007	0.0006
CSO012	474 RHODE ISLAND	0.0624	5%	0.0031	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO012	845 WEST	0.0733	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO012	223 RHODE ISLAND	0.0476	65%	0.0309	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO012	121 SCHOOL	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO012	479 FARGO	0.0795	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO012	837 PROSPECT	0.2162	65%	0.1405	Vacant Land	65	0.635	0.9	0.0103	0	0.050	0.9	0.0008	0.0095
CSO012	417 BRECKENRIDGE	0.0353	65%	0.0230	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO012	456 FARGO	0.0983	65%	0.0639	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO012	74 SCHOOL	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

						Pre-Conditions				Post-Conditions				
CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	Runoff Reduction (acre-feet)
CSO012	584 WEST	0.1047	65%	0.0681	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO012	92 BAYNES	0.1400	65%	0.0910	Vacant Land	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0061
CSO012	220 PLYMOUTH	0.0607	65%	0.0395	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO012	95 FIFTEENTH	0.0979	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO012	45 YORK	0.0586	65%	0.0381	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO012	396 PLYMOUTH	0.1693	65%	0.1100	Vacant Land	65	0.635	0.9	0.0081	0	0.050	0.9	0.0006	0.0074
CSO012	269 VERMONT	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	447 NORMAL	0.0916	65%	0.0595	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO012	240 FIFTEENTH	0.0574	65%	0.0373	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	250 NORMAL	0.0933	65%	0.0607	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0004	0.0041
CSO012	125 ARKANSAS	0.0457	65%	0.0297	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO012	28 LOWELL	0.0365	65%	0.0237	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO012	589 FARGO	0.0650	65%	0.0422	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO012	597 WEST	0.0545	65%	0.0355	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO012	101 RHODE ISLAND	0.0379	65%	0.0246	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO012	469 FOURTEENTH	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO012	290 HAMPSHIRE	0.0604	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO012	257 PLYMOUTH	0.0873	65%	0.0567	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO012	60 YORK	0.1327	65%	0.0862	Vacant Land	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO012	854 WEST	0.1790	65%	0.1164	Vacant Land	65	0.635	0.9	0.0085	0	0.050	0.9	0.0007	0.0079
CSO012	169 FIFTEENTH	0.0745	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO012	14 LOWELL	0.0302	65%	0.0196	Vacant Land	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO012	445 FARGO	0.1132	65%	0.0736	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO012	49 LAWRENCE	0.1070	65%	0.0696	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO012	454 RHODE ISLAND	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO012	430 FARGO	0.1044	65%	0.0678	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO012	246 FOURTEENTH	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO012	13 BREMEN	0.0413	65%	0.0268	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO012	223 MASSACHUSETTS	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO012	390 VERMONT	0.0460	65%	0.0299	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO012	16 NINETEENTH	0.0759	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO012	55 YORK	0.0547	65%	0.0356	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO012	104 BRAYTON	0.0646	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO012	382 FARGO	0.1143	65%	0.0743	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO012	135 VERMONT	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO012	113 FOURTEENTH	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO012	220 FIFTEENTH	0.0492	65%	0.0320	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0022
CSO012	526 WEST	0.1165	65%	0.0757	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO012	123 ARKANSAS	0.0595	65%	0.0387	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO012	315 FOURTEENTH	0.1406	65%	0.0914	Vacant Land	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO012	574 FARGO	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO012	625 WEST	0.0954	65%	0.0620	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO012	156 NORMAL	0.0702	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO012	330 MASSACHUSETTS	0.0828	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO012	118 FIFTEENTH	0.1047	65%	0.0680	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO012	251 NORMAL	0.0693	65%	0.0451	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	18 SHERWOOD	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO012	22 BAYNES	0.0987	65%	0.0641	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO012	40 EIGHTEENTH	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	235 VERMONT	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO012	369 NORMAL	0.0998	65%	0.0649	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO012	165 SIXTEENTH	0.1031	65%	0.0670	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO012	46 KETCHUM	0.0709	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO012	386 NORMAL	0.0962	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO012	21 BREMEN	0.0862	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	111 EIGHTEENTH	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO012	907 PROSPECT	0.0921	65%	0.0598	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO012	707 WEST	0.1030	65%	0.0669	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO012	45 WINTER	0.0501	65%	0.0326	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO012	300 VERMONT	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	172 HAMPSHIRE	0.0564	65%	0.0367	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	250 FIFTEENTH	0.1094	65%	0.0711	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO012	30 LOWELL	0.0345	65%	0.0225	Vacant Land	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0015
CSO012	189 FIFTEENTH	0.0434	65%	0.0282	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO012	54 LAWRENCE	0.0810	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO012	566 UTICA WEST	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO012	226 FIFTEENTH	0.0651	65%	0.0423	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO012	367 NORMAL	0.1038	65%	0.0675	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0046
CSO012	579 UTICA WEST	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO012	83 PUTNAM ST	0.0862	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	225 PLYMOUTH	0.0498	65%	0.0324	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO012	295 FARGO	0.0911	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO012	24 LAWRENCE	0.1011	65%	0.0657	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO012	607 FARGO	0.1080	65%	0.0702	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO012	579 WEST	0.0880	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO012	363 NORMAL	0.0877	65%	0.0570	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO012	26 KETCHUM	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO012	401 RHODE ISLAND	0.1040	65%	0.0676	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO012	352 RHODE ISLAND	0.0898	65%	0.0583	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO012	31 WINTER	0.0442	65%	0.0288	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO012	81 HAMPSHIRE	0.0693	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	221 RHODE ISLAND	0.0402	65%	0.0261	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO012	567 PLYMOUTH	0.0953	65%	0.0619	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO012	16 SHERWOOD	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	271 HAMPSHIRE	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO012	639 WEST	0.1045	65%	0.0679	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO012	454 PLYMOUTH	0.0872	65%	0.0567	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO012	160 NORMAL	0.1049	65%	0.0682	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO012	465 FARGO	0.0480	65%	0.0312	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO012	623 WEST	0.0292	65%	0.0190	Vacant Land	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO012	129 BAYNES	0.1021	65%	0.0664	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO012	20 SHERWOOD	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	159 NORMAL	0.0858	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	381 HAMPSHIRE	0.0472	65%	0.0307	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO012	231 VERMONT	0.0610	65%	0.0396	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO012	225 NORMAL	0.0855	65%	0.0556	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	703 WEST	0.1035	65%	0.0673	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO012	372 FOURTEENTH	0.0954	65%	0.0620	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO012	298 HAMPSHIRE	0.0524	65%	0.0341	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO012	13 WINTER	0.0469	65%	0.0305	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO012	296 FOURTEENTH	0.0858	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	362 PLYMOUTH	0.0823	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO012	44 WINTER	0.0572	65%	0.0372	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	12 LOWELL	0.0400	65%	0.0260	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO012	453 BRECKENRIDGE	0.0710	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO012	142 RHODE ISLAND	0.0648	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO012	43 WINTER	0.0531	65%	0.0345	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO012	92 NINETEENTH	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO012	27 NINETEENTH	0.0666	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO012	389 NORMAL	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	94 EIGHTEENTH	0.0560	65%	0.0364	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	11 PUTNAM ST	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO012	839 PROSPECT	0.1033	65%	0.0671	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO012	478 RHODE ISLAND	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO012	227 PLYMOUTH	0.0554	65%	0.0360	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO012	294 FOURTEENTH	0.0856	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	403 PLYMOUTH	0.0648	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO012	230 MASSACHUSETTS	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO012	286 HAMPSHIRE	0.1520	65%	0.0988	Vacant Land	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0067
CSO012	411 FOURTEENTH	0.0546	65%	0.0355	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO012	795 NIAGARA	0.0571	65%	0.0371	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	274 CONNECTICUT	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO012	12 SHERWOOD	0.1453	65%	0.0944	Vacant Land	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0064
CSO012	347 RHODE ISLAND	0.0565	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	670 WEST	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO012	366 FERRY WEST	0.0690	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO012	248 NORMAL	0.0927	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO012	387 NORMAL	0.0870	65%	0.0565	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	40 WINTER	0.1026	65%	0.0667	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO012	179 FIFTEENTH	0.0440	65%	0.0286	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO012	247 FOURTEENTH	0.0864	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	11 SHERWOOD	0.0276	65%	0.0180	Vacant Land	65	0.635	0.9	0.0013	0	0.050	0.9	0.0001	0.0012
CSO012	252 RHODE ISLAND	0.0673	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO012	176 RHODE ISLAND	0.0956	65%	0.0621	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO012	146 RHODE ISLAND	0.0578	65%	0.0376	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO012	377 FOURTEENTH	0.0993	65%	0.0645	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO012	363 CONNECTICUT	0.1069	65%	0.0695	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO012	352 FOURTEENTH	0.0562	65%	0.0365	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO012	125 HAMPSHIRE	0.1414	65%	0.0919	Vacant Land	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO012	90 YORK	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO012	553 WEST	0.0434	65%	0.0282	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO012	359 RHODE ISLAND	0.0509	65%	0.0331	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO012	192 FIFTEENTH	0.0860	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	358 MASSACHUSETTS	0.0614	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO012	428 FOURTEENTH	0.0922	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO012	570 UTICA WEST	0.0380	65%	0.0247	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO012	176 NORMAL	0.1070	65%	0.0695	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO012	384 NORMAL	0.0897	65%	0.0583	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO012	88 SEVENTEENTH	0.0864	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO012	19 SHERWOOD	0.0599	65%	0.0390	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO012	151 SIXTEENTH	0.0921	65%	0.0598	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO012	137 SIXTEENTH	0.1073	65%	0.0697	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO012	18 FIFTEENTH	0.1222	65%	0.0795	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO012	912 NIAGARA	0.0850	65%	0.0553	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO012	252 CONNECTICUT	0.1020	65%	0.0663	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO013	7 WADSWORTH	0.0722	90%	0.0650	Commercial	90	0.860	0.9	0.0047	0	0.050	0.9	0.0003	0.0044
CSO013	257 VIRGINIA ST	0.2876	40%	0.1151	Community Service / Institutional	40	0.410	0.9	0.0088	0	0.050	0.9	0.0011	0.0078
CSO013	220 NORTH ST	0.4735	40%	0.1894	Community Service / Institutional	40	0.410	0.9	0.0146	0	0.050	0.9	0.0018	0.0128
CSO013	180 WHITNEY	0.0593	65%	0.0386	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO013	220 WEST	0.2617	65%	0.1701	Detached Residential	65	0.635	0.9	0.0125	0	0.050	0.9	0.0010	0.0115
CSO013	325 MARYLAND	0.0574	65%	0.0373	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO013	292 SEVENTH	0.0849	65%	0.0552	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO013	156 WEST	0.0473	65%	0.0308	Detached Residential	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO013	89 PLYMOUTH	0.1070	65%	0.0696	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO013	197 WHITNEY	0.0571	65%	0.0371	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO013	82 TENTH	0.0730	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO013	215 MARYLAND	0.0303	65%	0.0197	Detached Residential	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO013	118 TENTH	0.0600	65%	0.0390	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO013	198 WHITNEY	0.0605	65%	0.0393	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO013	257 WEST	0.0396	65%	0.0257	Detached Residential	65	0.635	0.9	0.0019	0	0.050	0.9	0.0001	0.0017
CSO013	224 WEST	0.1379	65%	0.0896	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0060
CSO013	124 WHITNEY	0.1144	65%	0.0744	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO013	46 COTTAGE	0.1924	65%	0.1251	Detached Residential	65	0.635	0.9	0.0092	0	0.050	0.9	0.0007	0.0084
CSO013	119 MARYLAND	0.0420	65%	0.0273	Detached Residential	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO013	278 SEVENTH	0.0873	65%	0.0567	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO013	90 WHITNEY	0.0690	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO013	102 TENTH	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO013	294 HUDSON	0.1231	5%	0.0062	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO013	129 WEST	0.2429	5%	0.0121	Vacant Land	5	0.095	0.9	0.0017	0	0.050	0.9	0.0009	0.0008
CSO013	174 WHITNEY	0.0577	65%	0.0375	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO013	288 SEVENTH	0.1112	65%	0.0723	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO013	298 MARYLAND	0.0867	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO013	20 ORTON	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO013	304 SEVENTH	0.0567	65%	0.0369	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO013	331 HUDSON	0.1176	65%	0.0765	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO013	179 TUPPER WEST	0.0696	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO013	92 WEST	0.0884	65%	0.0574	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO013	35 TENTH	0.0574	65%	0.0373	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO013	182 VIRGINIA ST	0.0493	65%	0.0321	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0022
CSO013	195 VIRGINIA ST	0.0549	65%	0.0357	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO013	33 TENTH	0.0541	65%	0.0352	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO013	34 TRACY	0.0645	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO013	359 HUDSON	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO013	119 WEST	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO013	91 TENTH	0.0363	65%	0.0236	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO013	81 PEARL NORTH	0.1581	65%	0.1028	Vacant Land	65	0.635	0.9	0.0075	0	0.050	0.9	0.0006	0.0069
CSO014	173 ELM	0.1115	40%	0.0446	Community Service / Institutional	40	0.410	0.9	0.0034	0	0.050	0.9	0.0004	0.0030
CSO015	630 HIGH	0.3453	90%	0.3108	Commercial	90	0.860	0.9	0.0223	0	0.050	0.9	0.0013	0.0210
CSO015	340 GENESEE	0.1020	90%	0.0918	Commercial	90	0.860	0.9	0.0066	0	0.050	0.9	0.0004	0.0062
CSO015	441 ELLICOTT	0.3899	90%	0.3509	Commercial	90	0.860	0.9	0.0251	0	0.050	0.9	0.0015	0.0237
CSO015	550 GENESEE	0.3245	90%	0.2920	Commercial	90	0.860	0.9	0.0209	0	0.050	0.9	0.0012	0.0197
CSO015	716 GENESEE	0.0685	90%	0.0616	Commercial	90	0.860	0.9	0.0044	0	0.050	0.9	0.0003	0.0042
CSO015	304 HERMAN	0.1175	65%	0.0764	Commercial	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO015	91 GENESEE	0.0616	65%	0.0400	Commercial	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO015	630 GENESEE	0.6942	65%	0.4512	Commercial	65	0.635	0.9	0.0331	0	0.050	0.9	0.0026	0.0305
CSO015	540 GENESEE	0.1454	40%	0.0581	Community Service / Institutional	40	0.410	0.9	0.0045	0	0.050	0.9	0.0005	0.0039
CSO015	18 CAMP	0.0689	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO015	59 RICH	0.0739	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	14 CAMP	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO015	392 HERMAN	0.0987	65%	0.0642	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO015	51 CAMP	0.0695	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO015	595 SPRING	0.1661	65%	0.1080	Detached Residential	65	0.635	0.9	0.0079	0	0.050	0.9	0.0006	0.0073
CSO015	38 SWEENEY	0.0881	65%	0.0573	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO015	1100 GENESEE	0.0485	65%	0.0315	Detached Residential	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO015	40 MYERS	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO015	641 SHERMAN	0.0796	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO015	31 KANE	0.1158	65%	0.0753	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO015	1106 GENESEE	0.0406	65%	0.0264	Detached Residential	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO015	42 MYERS	0.0776	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO015	66 RICH	0.0652	65%	0.0424	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO015	65 RICH	0.0739	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	383 HERMAN	0.1050	65%	0.0683	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO015	26 KANE	0.0585	65%	0.0380	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO015	294 MORTIMER	0.1138	65%	0.0740	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO015	759 BEST	0.0801	65%	0.0521	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO015	401 GUILFORD	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO015	572 HIGH	0.0684	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO015	338 FOX	0.1448	65%	0.0942	Detached Residential	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0064
CSO015	28 CAMP	0.1153	65%	0.0749	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO015	342 FOX	0.0795	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO015	57 CAMP	0.0712	65%	0.0463	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO015	47 KANE	0.0579	65%	0.0376	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO015	29 KANE	0.0559	65%	0.0364	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO015	23 KANE	0.0577	65%	0.0375	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO015	290 MORTIMER	0.0990	65%	0.0643	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO015	23 SWEENEY	0.0920	65%	0.0598	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO015	961 GENESEE	0.0782	65%	0.0508	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO015	28 SWEENEY	0.0891	65%	0.0579	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO015	329 FOX	0.1613	65%	0.1048	Detached Residential	65	0.635	0.9	0.0077	0	0.050	0.9	0.0006	0.0071
CSO015	357 FOX	0.1202	65%	0.0781	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0005	0.0053
CSO015	400 GUILFORD	0.0618	65%	0.0402	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO015	331 HERMAN	0.0934	65%	0.0607	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0004	0.0041
CSO015	338 GUILFORD	0.0649	65%	0.0422	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO015	807 BEST	0.0468	65%	0.0304	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO015	52 MYERS	0.0269	65%	0.0175	Detached Residential	65	0.635	0.9	0.0013	0	0.050	0.9	0.0001	0.0012
CSO015	293 MORTIMER	0.1153	65%	0.0750	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO015	76 CAMP	0.0865	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO015	576 HIGH	0.0647	65%	0.0421	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO015	344 FOX	0.0969	65%	0.0630	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO015	335 HERMAN	0.0968	65%	0.0629	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO015	357 HERMAN	0.1079	65%	0.0701	None	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO015	281 CHERRY	0.0761	65%	0.0494	None	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO015	16 MYERS	0.0792	65%	0.0515	None	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO015	718 GENESEE	0.0676	5%	0.0034	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO015	392 GENESEE	0.0630	5%	0.0031	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO015	338 GENESEE	0.0715	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO015	914 GENESEE	0.0824	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO015	23 CHERRY	0.0859	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO015	374 SYCAMORE	0.0582	5%	0.0029	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO015	522 GENESEE	0.1261	5%	0.0063	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO015	366 GUILFORD	0.0644	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO015	569 HIGH	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO015	189 CHERRY	0.0602	65%	0.0391	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO015	296 JOHNSON ST	0.0837	65%	0.0544	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO015	358 GUILFORD	0.0619	65%	0.0402	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO015	562 HIGH	0.0314	65%	0.0204	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO015	363 HERMAN	0.1058	65%	0.0687	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO015	357 GUILFORD	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO015	743 BEST	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO015	185 CHERRY	0.0512	65%	0.0333	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO015	55 RICH	0.0730	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	365 HERMAN	0.1022	65%	0.0664	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO015	805 BEST	0.0521	65%	0.0339	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO015	712 GENESEE	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO015	75 RICH	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	117 CHERRY	0.2204	65%	0.1433	Vacant Land	65	0.635	0.9	0.0105	0	0.050	0.9	0.0008	0.0097
CSO015	338 MORTIMER	0.1451	65%	0.0943	Vacant Land	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0064
CSO015	26 SWEENEY	0.0875	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO015	699 BEST	0.0645	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO015	267 CHERRY	0.0947	65%	0.0616	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO015	348 FOX	0.0961	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO015	625 SHERMAN	0.0960	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO015	308 MORTIMER	0.0993	65%	0.0646	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO015	398 GUILFORD	0.0656	65%	0.0426	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO015	1108 GENESEE	0.0379	65%	0.0247	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO015	404 GUILFORD	0.0592	65%	0.0385	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO015	334 MORTIMER	0.1043	65%	0.0678	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO015	611 NORTH ST EAST	0.1023	65%	0.0665	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO015	77 RICH	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO015	225 CHERRY	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	786 GENESEE	0.0881	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO015	577 SPRING	0.0815	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO015	297 JOHNSON ST	0.0917	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO015	24 CAMP	0.0420	65%	0.0273	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO015	714 GENESEE	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO015	308 HERMAN	0.0804	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO015	82 RICH	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	797 BEST	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO015	510 CARLTON	0.0555	65%	0.0361	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO015	334 FOX	0.0954	65%	0.0620	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO015	977 VIRGINIA ST	0.0858	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO015	22 CAMP	0.0605	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO015	21 CHERRY	0.0883	65%	0.0574	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO015	589 NORTH ST EAST	0.0817	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO015	342 GUILFORD	0.0648	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO015	332 FOX	0.1060	65%	0.0689	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0047
CSO015	221 CHERRY	0.1442	65%	0.0938	Vacant Land	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0063
CSO015	20 KANE	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	593 NORTH ST EAST	0.0971	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO015	298 MORTIMER	0.1143	65%	0.0743	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO015	49 RICH	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	755 BEST	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO015	809 BEST	0.0418	65%	0.0272	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO015	67 RICH	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	288 GREY	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO015	69 RICH	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO015	330 FOX	0.1092	65%	0.0710	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO015	396 HERMAN	0.0970	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO015	37 KANE	0.0595	65%	0.0387	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	574 MICHIGAN	0.1182	90%	0.1064	Commercial	90	0.860	0.9	0.0076	0	0.050	0.9	0.0004	0.0072
CSO017	139 MORTIMER	0.0552	90%	0.0497	Commercial	90	0.860	0.9	0.0036	0	0.050	0.9	0.0002	0.0034
CSO017	474 SENECA	0.0583	90%	0.0524	Commercial	90	0.860	0.9	0.0038	0	0.050	0.9	0.0002	0.0035
CSO017	374 WILLIAM	0.0573	90%	0.0516	Commercial	90	0.860	0.9	0.0037	0	0.050	0.9	0.0002	0.0035
CSO017	378 WILLIAM	0.0654	90%	0.0589	Commercial	90	0.860	0.9	0.0042	0	0.050	0.9	0.0002	0.0040
CSO017	1049 JEFFERSON	0.1355	90%	0.1220	Commercial	90	0.860	0.9	0.0087	0	0.050	0.9	0.0005	0.0082
CSO017	50 ELK	1.8990	90%	1.7091	Commercial	90	0.860	0.9	0.1225	0	0.050	0.9	0.0071	0.1154
CSO017	872 SENECA	0.0885	65%	0.0575	Commercial	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO017	78 MULBERRY	0.0581	65%	0.0378	Community Service / Institutional	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO017	125 MULBERRY	0.0768	65%	0.0499	Community Service / Institutional	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	93 MAPLE	0.0574	65%	0.0373	Community Service / Institutional	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	389 SWAN	0.0550	56%	0.0308	Detached Residential	56	0.554	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO017	870 CLINTON	0.2228	56%	0.1248	Detached Residential	56	0.554	0.9	0.0093	0	0.050	0.9	0.0008	0.0084
CSO017	226 MYRTLE	0.1453	56%	0.0814	Detached Residential	56	0.554	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO017	196 GRAPE	0.0683	56%	0.0383	Detached Residential	56	0.554	0.9	0.0028	0	0.050	0.9	0.0003	0.0026
CSO017	504 JEFFERSON	0.0804	56%	0.0450	Detached Residential	56	0.554	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	391 SYCAMORE	0.2727	56%	0.1527	Detached Residential	56	0.554	0.9	0.0113	0	0.050	0.9	0.0010	0.0103
CSO017	434 BROADWAY	0.1654	56%	0.0926	Detached Residential	56	0.554	0.9	0.0069	0	0.050	0.9	0.0006	0.0063
CSO017	415 SYCAMORE	1.9531	56%	1.0938	Detached Residential	56	0.554	0.9	0.0812	0	0.050	0.9	0.0073	0.0738
CSO017	281 MYRTLE	0.0458	65%	0.0298	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO017	146 MAPLE	0.0565	65%	0.0367	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	391 WALNUT	0.0785	65%	0.0510	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	263 SYCAMORE	0.1858	65%	0.1208	Detached Residential	65	0.635	0.9	0.0088	0	0.050	0.9	0.0007	0.0082
CSO017	39 MILNOR	0.0812	65%	0.0528	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	73 LEMON	0.0587	65%	0.0381	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	120 ROSE	0.0616	65%	0.0400	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	165 ORANGE	0.0670	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	123 VAN RENSSELAER	0.0814	65%	0.0529	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	63 PEACH	0.0703	65%	0.0457	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	244 MYRTLE	0.0448	65%	0.0291	Detached Residential	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0020
CSO017	488 HIGH	0.0846	65%	0.0550	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	314 NORTH ST EAST	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO017	236 MULBERRY	0.0691	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	320 PRATT	0.2206	65%	0.1434	Detached Residential	65	0.635	0.9	0.0105	0	0.050	0.9	0.0008	0.0097
CSO017	56 TIMON	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	732 DIVISION SOUTH	0.1216	65%	0.0790	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0053
CSO017	380 WALNUT	0.1682	65%	0.1093	Detached Residential	65	0.635	0.9	0.0080	0	0.050	0.9	0.0006	0.0074
CSO017	256 GRAPE	0.0750	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	69 EARL	0.2593	65%	0.1685	Detached Residential	65	0.635	0.9	0.0123	0	0.050	0.9	0.0010	0.0114
CSO017	159 SELKIRK	0.0821	65%	0.0534	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	297 PEACH	0.0864	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	55 LOCUST	0.0622	65%	0.0404	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO017	384 WALNUT	0.1406	65%	0.0914	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO017	183 GRAPE	0.1258	65%	0.0818	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO017	166 BENNETT ST	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO017	51 NORWAY	0.0760	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	241 CEDAR	0.0748	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	242 MYRTLE	0.0440	65%	0.0286	Detached Residential	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO017	267 CEDAR	0.2292	65%	0.1490	Detached Residential	65	0.635	0.9	0.0109	0	0.050	0.9	0.0009	0.0101
CSO017	385 SYCAMORE	0.1257	65%	0.0817	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO017	63 EARL	0.1734	65%	0.1127	Detached Residential	65	0.635	0.9	0.0083	0	0.050	0.9	0.0007	0.0076
CSO017	35 ROSE	0.0407	65%	0.0264	Detached Residential	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO017	133 SPRUCE	0.0621	65%	0.0404	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO017	1001 EXCHANGE	0.0810	65%	0.0527	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	885 CLINTON	0.1223	65%	0.0795	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO017	279 LOCUST	0.0601	65%	0.0391	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO017	32 ALWIN	0.0719	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO017	12 ROEHRER	0.0655	65%	0.0426	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO017	116 LEMON	0.0921	65%	0.0599	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO017	419 FULTON	0.0866	65%	0.0563	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	40 GEORGE	0.0642	65%	0.0417	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO017	559 PERRY	0.0926	65%	0.0602	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO017	262 BABCOCK	0.0673	65%	0.0437	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	562 JEFFERSON	0.0698	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	75 PEACH	0.0684	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	778 DIVISION SOUTH	0.0628	65%	0.0408	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO017	58 ORANGE	0.1397	65%	0.0908	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0061
CSO017	126 ASH	0.0889	65%	0.0578	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO017	356 WALNUT	0.0587	65%	0.0382	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	28 ALWIN	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO017	162 ORANGE	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO017	23 TIMON	0.0412	65%	0.0268	Detached Residential	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO017	423 JOHNSON ST	0.0987	65%	0.0641	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO017	79 PEACH	0.0687	65%	0.0447	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	426 HICKORY	0.0793	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	247 ORANGE	0.0575	65%	0.0374	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	65 MULBERRY	0.1733	65%	0.1126	Detached Residential	65	0.635	0.9	0.0083	0	0.050	0.9	0.0006	0.0076
CSO017	53 LOCUST	0.0677	65%	0.0440	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	37 ORANGE	0.0710	65%	0.0462	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	76 PERSHING	0.0901	65%	0.0585	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO017	96 LEMON	0.0805	65%	0.0523	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	25 TIMON	0.0840	65%	0.0546	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	424 FULTON	0.2241	65%	0.1457	Detached Residential	65	0.635	0.9	0.0107	0	0.050	0.9	0.0008	0.0098
CSO017	392 BRISTOL	0.0652	65%	0.0423	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO017	119 LOCUST	0.0573	65%	0.0372	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	73 MULBERRY	0.1427	65%	0.0928	Detached Residential	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	488 HICKORY	0.0756	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	568 JEFFERSON	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	572 JEFFERSON	0.0605	65%	0.0393	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	490 JEFFERSON	0.0363	65%	0.0236	Detached Residential	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO017	292 MULBERRY	0.0660	65%	0.0429	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO017	888 CLINTON	0.0695	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	49 VAN RENSSELAER	0.0881	65%	0.0573	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO017	433 PRATT	0.1956	65%	0.1271	Detached Residential	65	0.635	0.9	0.0093	0	0.050	0.9	0.0007	0.0086
CSO017	373 SYCAMORE	0.0634	65%	0.0412	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO017	222 CARLTON	0.1333	65%	0.0866	Detached Residential	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO017	185 ARCHIE	0.0532	65%	0.0346	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO017	164 LOCUST	0.0502	65%	0.0327	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO017	242 HICKORY	0.0858	65%	0.0558	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	379 SYCAMORE	0.0577	65%	0.0375	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	925 MICHIGAN	0.0772	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	269 HICKORY	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	75 LEMON	0.0598	65%	0.0389	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	100 LEMON	0.1383	65%	0.0899	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO017	41 ROEHRER	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	234 MYRTLE	0.0447	65%	0.0290	Detached Residential	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0020
CSO017	393 SWAN	0.0938	65%	0.0609	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO017	254 LEMON	0.0767	65%	0.0499	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	193 LEMON	0.0645	65%	0.0419	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO017	176 CARLTON	0.0606	65%	0.0394	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	374 WALNUT	0.0618	65%	0.0402	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	267 SYCAMORE	0.0551	65%	0.0358	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO017	421 HICKORY	0.0922	65%	0.0599	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO017	326 PRATT	0.0935	65%	0.0608	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO017	322 PRATT	0.0905	65%	0.0588	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO017	311 PRATT	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	307 PRATT	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	269 CEDAR	0.0767	65%	0.0499	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	394 FULTON	0.0582	65%	0.0378	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	36 MINTON	0.0698	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	76 MONTGOMERY	0.0441	65%	0.0286	Detached Residential	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO017	26 MINTON	0.1757	65%	0.1142	Detached Residential	65	0.635	0.9	0.0084	0	0.050	0.9	0.0007	0.0077
CSO017	150 SELKIRK	0.0964	65%	0.0626	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO017	311 GENESEE	0.0460	65%	0.0299	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO017	212 PEACH	0.0677	65%	0.0440	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	199 MAPLE	0.0598	65%	0.0389	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO017	42 MULBERRY	0.0573	65%	0.0373	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	25 EUREKA	0.0681	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	114 MULBERRY	0.0886	65%	0.0576	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO017	291 MULBERRY	0.0676	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	372 JOHNSON ST	0.0991	65%	0.0644	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	399 JEFFERSON	0.0863	65%	0.0561	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	35 WOHLERS	0.0778	65%	0.0506	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	28 ROEHRER	0.0829	65%	0.0539	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO017	208 MULBERRY	0.0545	65%	0.0354	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO017	821 VIRGINIA ST	0.0437	65%	0.0284	Detached Residential	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO017	103 LOCUST	0.0550	65%	0.0358	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO017	99 LOCUST	0.0682	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	64 ORANGE	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO017	67 MULBERRY	0.0593	65%	0.0385	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	55 VAN RENSSELAER	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO017	245 MAPLE	0.0560	65%	0.0364	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	174 MAPLE	0.0699	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	132 ROSE	0.0795	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	768 DIVISION SOUTH	0.0915	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO017	54 PERSHING	0.0815	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	51 LINDEN PK	0.0602	65%	0.0392	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO017	288 CEDAR	0.0993	65%	0.0645	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO017	18 MINTON	0.0686	65%	0.0446	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	262 CARLTON	0.1287	65%	0.0837	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO017	834 CLINTON	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO017	164 SYCAMORE	0.1150	65%	0.0747	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO017	703 PERRY	0.1033	65%	0.0671	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO017	438 CARLTON	0.0911	65%	0.0592	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO017	702 PERRY	0.0838	65%	0.0545	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	719 SHERMAN	0.0457	65%	0.0297	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO017	41 VAN RENSSELAER	0.0478	65%	0.0311	Detached Residential	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO017	848 CLINTON	0.0618	65%	0.0402	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	290 LOCUST	0.0682	65%	0.0443	Multi Family Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	453 JEFFERSON	0.0746	50%	0.0373	None	50	0.500	0.9	0.0028	0	0.050	0.9	0.0003	0.0025
CSO017	433 SWAN	0.0575	65%	0.0374	None	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	19 ALWIN	0.0695	65%	0.0452	None	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	331 PRATT	0.0790	65%	0.0513	None	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	282 CEDAR	0.0732	65%	0.0476	None	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO017	247 MYRTLE	0.1339	65%	0.0870	None	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO017	306 CARLTON	0.0567	5%	0.0028	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO017	426 WILLIAM	0.1462	5%	0.0073	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO017	1026 JEFFERSON	0.1204	5%	0.0060	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO017	908 JEFFERSON	0.0324	5%	0.0016	Vacant Land	5	0.095	0.9	0.0002	0	0.050	0.9	0.0001	0.0001
CSO017	320 NORTH ST EAST	0.0451	5%	0.0023	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0002	0.0002
CSO017	451 BROADWAY	0.1497	5%	0.0075	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO017	868 JEFFERSON	0.1261	5%	0.0063	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO017	1048 JEFFERSON	0.0751	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO017	379 GENESEE	0.4283	5%	0.0214	Vacant Land	5	0.095	0.9	0.0031	0	0.050	0.9	0.0016	0.0014
CSO017	188 MYRTLE	0.1062	5%	0.0053	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO017	422 WILLIAM	0.1607	5%	0.0080	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	387 HIGH	0.0574	5%	0.0029	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO017	369 BEST	0.0914	5%	0.0046	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0003	0.0003
CSO017	50 FILLMORE	0.1857	5%	0.0093	Vacant Land	5	0.095	0.9	0.0013	0	0.050	0.9	0.0007	0.0006
CSO017	425 BROADWAY	0.1067	5%	0.0053	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO017	289 HIGH	0.1294	5%	0.0065	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO017	474 MICHIGAN	0.5552	5%	0.0278	Vacant Land	5	0.095	0.9	0.0040	0	0.050	0.9	0.0021	0.0019
CSO017	493 SENECA	0.3267	5%	0.0163	Vacant Land	5	0.095	0.9	0.0023	0	0.050	0.9	0.0012	0.0011
CSO017	718 SHERMAN	0.1372	5%	0.0069	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO017	147 LEMON	0.1176	5%	0.0059	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO017	414 WILLIAM	0.0442	5%	0.0022	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0002	0.0001
CSO017	541 SENECA	1.3112	5%	0.0656	Vacant Land	5	0.095	0.9	0.0093	0	0.050	0.9	0.0049	0.0044
CSO017	219 MAPLE	0.0426	65%	0.0277	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO017	129 LEMON	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	515 SWAN	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO017	155 WALNUT	0.0376	65%	0.0245	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO017	838 CLINTON	0.0594	65%	0.0386	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	365 BEST	0.0916	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO017	802 CLINTON	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	250 PEACH	0.0808	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	50 BEECH	0.0587	65%	0.0381	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	316 NORTH ST EAST	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	110 GRAPE	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	58 LOCUST	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	443 SWAN	0.0570	65%	0.0370	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	121 MYRTLE	0.0300	65%	0.0195	Vacant Land	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO017	9 RED JACKET ST	0.0442	65%	0.0287	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO017	81 GRAPE	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	245 PINE ST	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	69 PEACH	0.0565	65%	0.0367	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	43 PERSHING	0.1034	65%	0.0672	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO017	140 GRAPE	0.0684	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	43 PEACH	0.0420	65%	0.0273	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO017	1073 SENECA	0.1056	65%	0.0686	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO017	76 GRAPE	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO017	189 LOCUST	0.0434	65%	0.0282	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO017	199 LEMON	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	367 JOHNSON ST	0.0376	65%	0.0244	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO017	160 ORANGE	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	20 ALWIN	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	110 PERSHING	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	27 PERSHING	0.1003	65%	0.0652	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO017	147 GRAPE	0.0666	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO017	125 VAN RENSSELAER	0.0870	65%	0.0566	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	368 JOHNSON ST	0.0962	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO017	291 LOCUST	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	291 CEDAR	0.0765	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO017	23 REY	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	47 WOHLERS	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	273 LEMON	0.0591	65%	0.0384	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	249 HIGH	0.0945	65%	0.0614	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO017	373 WALNUT	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	276 MULBERRY	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	290 CARLTON	0.0609	65%	0.0396	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	44 PERSHING	0.0814	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	99 PEACH	0.0657	65%	0.0427	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO017	189 ORANGE	0.0658	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO017	415 JOHNSON ST	0.1068	65%	0.0694	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO017	296 CARLTON	0.0554	65%	0.0360	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO017	553 BEST	0.0875	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO017	287 CEDAR	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	387 FULTON	0.1099	65%	0.0714	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO017	82 FILLMORE	0.0897	65%	0.0583	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO017	195 GRAPE	0.1023	65%	0.0665	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO017	259 HIGH	0.0441	65%	0.0286	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO017	1024 JEFFERSON	0.1745	65%	0.1134	Vacant Land	65	0.635	0.9	0.0083	0	0.050	0.9	0.0007	0.0077
CSO017	280 MULBERRY	0.0681	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	239 ORANGE	0.0699	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	178 ARCHIE	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	46 EUREKA	0.0345	65%	0.0224	Vacant Land	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0015
CSO017	25 WOHLERS	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	72 MULBERRY	0.0464	65%	0.0302	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO017	37 MILNOR	0.0845	65%	0.0549	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	412 FULTON	0.1033	65%	0.0671	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO017	505 NORTH ST EAST	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	336 HIGH	0.0990	65%	0.0643	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO017	40 ORANGE	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	884 CLINTON	0.0667	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	790 CLINTON	0.0635	65%	0.0413	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO017	98 FILLMORE	0.0567	65%	0.0369	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	112 ORANGE	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	316 PEACH	0.1000	65%	0.0650	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO017	716 SHERMAN	0.0979	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO017	211 WALNUT	0.0486	65%	0.0316	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO017	831 CLINTON	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	76 ROSE	0.0816	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	80 GRAPE	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	217 MULBERRY	0.0574	65%	0.0373	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	360 JOHNSON ST	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	787 DIVISION SOUTH	0.0884	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO017	364 JOHNSON ST	0.0994	65%	0.0646	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	31 ALWIN	0.0710	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	46 BEECH	0.1009	65%	0.0656	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO017	347 BEST	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO017	55 PERSHING	0.0970	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO017	371 CARLTON	0.0363	65%	0.0236	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO017	25 GEORGE	0.0575	65%	0.0374	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	417 JOHNSON ST	0.0970	65%	0.0630	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO017	42 LOCUST	0.1139	65%	0.0741	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO017	76 EMSLIE	0.0435	65%	0.0283	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO017	978 JEFFERSON	0.0920	65%	0.0598	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO017	362 JOHNSON ST	0.0842	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	356 HIGH	0.0688	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	48 PERSHING	0.1146	65%	0.0745	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO017	235 PEACH	0.0850	65%	0.0553	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	225 PEACH	0.0535	65%	0.0348	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO017	134 GRAPE	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	59 FILLMORE	0.0882	65%	0.0573	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO017	236 PEACH	0.1155	65%	0.0750	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO017	334 HIGH	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	173 PEACH	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	306 HICKORY	0.0451	65%	0.0293	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0020
CSO017	525 SWAN	0.0565	65%	0.0367	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	377 HICKORY	0.0461	65%	0.0300	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO017	216 MYRTLE	0.0250	65%	0.0163	Vacant Land	65	0.635	0.9	0.0012	0	0.050	0.9	0.0001	0.0011
CSO017	294 CARLTON	0.0560	65%	0.0364	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	139 BENNETT ST	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO017	43 ROEHRER	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	519 SWAN	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	328 HICKORY	0.0451	65%	0.0293	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0020
CSO017	317 WALNUT	0.0840	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	74 PERSHING	0.0798	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	288 PEACH	0.0842	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	250 ORANGE	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO017	331 BEST	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	106 TIMON	0.0912	65%	0.0593	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO017	264 LOCUST	0.0601	65%	0.0390	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO017	840 CLINTON	0.0763	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	23 ALWIN	0.0708	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	158 PEACH	0.1041	65%	0.0676	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO017	551 PERRY	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	170 ORANGE	0.0707	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	432 HICKORY	0.0594	65%	0.0386	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	283 CEDAR	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	420 FULTON	0.1392	65%	0.0905	Vacant Land	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO017	75 VAN RENSSELAER	0.0807	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	361 BEST	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO017	57 CAYUGA	0.0859	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	263 ORANGE	0.0915	65%	0.0595	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO017	277 LEMON	0.0909	65%	0.0591	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO017	33 CEDAR SOUTH	0.0369	65%	0.0240	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0016
CSO017	433 JEFFERSON	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	989 MICHIGAN	0.0575	65%	0.0374	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	501 HICKORY	0.0867	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	333 HIGH	0.0556	65%	0.0361	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO017	835 CLINTON	0.0664	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO017	841 CLINTON	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	223 PEACH	0.0625	65%	0.0406	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO017	15 TIMON	0.2054	65%	0.1335	Vacant Land	65	0.635	0.9	0.0098	0	0.050	0.9	0.0008	0.0090
CSO017	50 MULBERRY	0.0582	65%	0.0378	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	180 GRAPE	0.0569	65%	0.0370	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	168 MULBERRY	0.0545	65%	0.0354	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO017	207 LEMON	0.0721	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO017	55 SPRUCE	0.0670	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	194 LOCUST	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	26 ROSE	0.0742	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO017	135 GRAPE	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO017	56 NASH	0.0617	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	387 HICKORY	0.0854	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO017	419 JEFFERSON	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	62 GRAPE	0.0993	65%	0.0646	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO017	442 CARLTON	0.0807	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO017	367 BEST	0.0917	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO017	725 SHERMAN	0.0615	65%	0.0400	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	62 EUREKA	0.0241	65%	0.0156	Vacant Land	65	0.635	0.9	0.0011	0	0.050	0.9	0.0001	0.0011
CSO017	239 SYCAMORE	0.0897	65%	0.0583	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO017	561 PERRY	0.0580	65%	0.0377	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO017	255 LOCUST	0.0567	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	146 GRAPE	0.0776	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	277 SYCAMORE	0.0552	65%	0.0359	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO017	683 EAGLE EAST	0.1307	65%	0.0850	Vacant Land	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO017	52 RED JACKET ST	0.0642	65%	0.0417	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO017	327 MAPLE	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO017	27 ALWIN	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	178 GRAPE	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO017	353 NORTH ST EAST	0.1046	65%	0.0680	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO017	376 CARLTON	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	359 BEST	0.0693	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	53 SPRUCE	0.1091	65%	0.0709	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO017	137 GRAPE	0.0673	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	424 HICKORY	0.0867	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	139 GRAPE	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	379 SWAN	0.0643	65%	0.0418	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO017	785 CLINTON	0.0646	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO017	1022 JEFFERSON	0.2084	65%	0.1355	Vacant Land	65	0.635	0.9	0.0099	0	0.050	0.9	0.0008	0.0091
CSO017	839 CLINTON	0.0649	65%	0.0422	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO017	777 CLINTON	0.1088	65%	0.0707	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO017	568 PERRY	0.0621	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO017	282 MULBERRY	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	33 WOHLERS	0.0870	65%	0.0566	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	363 BEST	0.0913	65%	0.0594	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO017	19 REY	0.0380	65%	0.0247	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO017	788 CLINTON	0.0515	65%	0.0335	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO017	419 JOHNSON ST	0.0995	65%	0.0647	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO017	41 CAYUGA	0.1108	65%	0.0720	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO017	136 PEACH	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO017	249 LEMON	0.1179	65%	0.0766	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO017	48 ROSE	0.0588	65%	0.0382	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	98 ARCHIE	0.0496	65%	0.0323	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO017	1175 SENECA	0.0873	65%	0.0568	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO017	51 EARL	0.0772	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	378 JOHNSON ST	0.0914	65%	0.0594	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO017	1028 JEFFERSON	0.1200	65%	0.0780	Vacant Land	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0053
CSO017	362 BRISTOL	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO017	185 MAPLE	0.0560	65%	0.0364	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	171 ORANGE	0.0580	65%	0.0377	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO017	53 CAYUGA	0.0873	65%	0.0568	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO017	427 JOHNSON ST	0.0988	65%	0.0642	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO017	153 PEACH	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	443 JEFFERSON	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	712 DIVISION SOUTH	0.0561	65%	0.0365	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	410 FULTON	0.0576	65%	0.0374	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	105 ROSE	0.0839	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	309 NORTH ST EAST	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	181 ORANGE	0.0560	65%	0.0364	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	41 MATTHEWS	0.0569	65%	0.0370	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	206 HIGH	0.0859	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	202 LOCUST	0.0571	65%	0.0371	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	82 GRAPE	0.0560	65%	0.0364	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	119 SPRUCE	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO017	42 BEECH	0.1038	65%	0.0674	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0046
CSO017	390 HICKORY	0.1946	65%	0.1265	Vacant Land	65	0.635	0.9	0.0093	0	0.050	0.9	0.0007	0.0085
CSO017	284 MULBERRY	0.0704	65%	0.0457	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO017	437 JOHNSON ST	0.0884	65%	0.0574	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO017	405 SYCAMORE	0.1660	65%	0.1079	Vacant Land	65	0.635	0.9	0.0079	0	0.050	0.9	0.0006	0.0073
CSO017	267 LOCUST	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO017	68 GRAPE	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO017	544 PERRY	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	142 GRAPE	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO017	150 PEACH	0.1065	65%	0.0693	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO017	178 BENNETT ST	0.0870	65%	0.0565	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO017	47 VAN RENSSELAER	0.0693	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO017	880 CLINTON	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	51 RED JACKET ST	0.0623	65%	0.0405	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO017	266 MULBERRY	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	23 EUREKA	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO017	169 ORANGE	0.0586	65%	0.0381	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	26 GEORGE	0.0614	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO017	647 MICHIGAN	0.1160	65%	0.0754	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO017	306 WALNUT	0.0625	65%	0.0406	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO017	1077 SENECA	0.0579	65%	0.0376	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO017	222 MAPLE	0.0576	65%	0.0374	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO017	31 CAYUGA	0.0888	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO017	34 BEECH	0.0629	65%	0.0409	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO017	227 LOCUST	0.1128	65%	0.0733	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0049
CSO017	418 HICKORY	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO017	200 GRAPE	0.0589	65%	0.0383	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO017	31 ROEHRER	0.0830	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO017	32 WOHLERS	0.0842	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO017	399 SYCAMORE	0.1091	65%	0.0709		65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO017	401 SYCAMORE	0.0969	65%	0.0630		65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO025	29 SIDWAY	0.1181	65%	0.0768	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO025	382 MACKINAW	0.1129	65%	0.0734	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO025	113 FITZGERALD	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO025	126 HAMBURG	0.0578	65%	0.0376	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO025	122 SIDWAY	0.0779	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO025	31 VANDALIA	0.0565	65%	0.0368	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO025	34 HAMBURG	0.1740	65%	0.1131	Detached Residential	65	0.635	0.9	0.0083	0	0.050	0.9	0.0007	0.0076
CSO025	112 ALABAMA	0.0589	65%	0.0383	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO025	153 O CONNELL	0.0712	65%	0.0463	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO025	276 KATHERINE	0.1769	65%	0.1150	Detached Residential	65	0.635	0.9	0.0084	0	0.050	0.9	0.0007	0.0078
CSO025	87 HAMBURG	0.5128	5%	0.0256	Vacant Land	5	0.095	0.9	0.0037	0	0.050	0.9	0.0019	0.0017
CSO025	16 HAMBURG	0.0548	65%	0.0356	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO025	146 O CONNELL	0.0563	65%	0.0366	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO025	138 VANDALIA	0.0586	65%	0.0381	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO025	37 VANDALIA	0.0575	65%	0.0374	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO025	74 HAMBURG	0.1166	65%	0.0758	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO025	150 O CONNELL	0.0564	65%	0.0366	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO025	137 HAMBURG	0.0455	65%	0.0296	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO025	165 ALABAMA	0.0584	65%	0.0380	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO025	53 FITZGERALD	0.0319	65%	0.0207	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO025	20 VANDALIA	0.0593	65%	0.0386	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO025	115 FITZGERALD	0.0705	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO025	157 O CONNELL	0.0710	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO025	104 VINCENNES	0.0595	65%	0.0387	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO025	35 VANDALIA	0.0585	65%	0.0380	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO025	144 O CONNELL	0.0592	65%	0.0385	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO025	106 VINCENNES	0.0619	65%	0.0403	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO025	126 VANDALIA	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	489 WILLIAM	0.1276	90%	0.1149	Commercial	90	0.860	0.9	0.0082	0	0.050	0.9	0.0005	0.0078
CSO026	157 WALDEN	0.0846	90%	0.0761	Commercial	90	0.860	0.9	0.0055	0	0.050	0.9	0.0003	0.0051
CSO026	202 WALDEN	0.9710	90%	0.8739	Commercial	90	0.860	0.9	0.0626	0	0.050	0.9	0.0036	0.0590
CSO026	586 HOWARD	0.6474	90%	0.5827	Commercial	90	0.860	0.9	0.0418	0	0.050	0.9	0.0024	0.0393
CSO026	197 LATHROP	2.8565	90%	2.5708	Commercial	90	0.860	0.9	0.1842	0	0.050	0.9	0.0107	0.1735
CSO026	1176 BROADWAY	0.1549	90%	0.1394	Commercial	90	0.860	0.9	0.0100	0	0.050	0.9	0.0006	0.0094
CSO026	1424 BROADWAY	0.1146	90%	0.1032	Commercial	90	0.860	0.9	0.0074	0	0.050	0.9	0.0004	0.0070
CSO026	1428 BROADWAY	0.0883	90%	0.0795	Commercial	90	0.860	0.9	0.0057	0	0.050	0.9	0.0003	0.0054
CSO026	1385 BROADWAY	0.0886	90%	0.0798	Commercial	90	0.860	0.9	0.0057	0	0.050	0.9	0.0003	0.0054
CSO026	275 PADEREWSKI	0.0719	90%	0.0647	Commercial	90	0.860	0.9	0.0046	0	0.050	0.9	0.0003	0.0044
CSO026	1393 BROADWAY	0.0808	90%	0.0727	Commercial	90	0.860	0.9	0.0052	0	0.050	0.9	0.0003	0.0049
CSO026	1171 BROADWAY	0.0766	90%	0.0689	Commercial	90	0.860	0.9	0.0049	0	0.050	0.9	0.0003	0.0047
CSO026	539 FILLMORE	0.0816	90%	0.0734	Commercial	90	0.860	0.9	0.0053	0	0.050	0.9	0.0003	0.0050
CSO026	775 PERRY	0.1189	90%	0.1070	Commercial	90	0.860	0.9	0.0077	0	0.050	0.9	0.0004	0.0072
CSO026	399 WALDEN	0.0786	90%	0.0707	Commercial	90	0.860	0.9	0.0051	0	0.050	0.9	0.0003	0.0048
CSO026	218 GIBSON	0.0691	90%	0.0622	Commercial	90	0.860	0.9	0.0045	0	0.050	0.9	0.0003	0.0042
CSO026	119 WALDEN	0.0791	90%	0.0712	Commercial	90	0.860	0.9	0.0051	0	0.050	0.9	0.0003	0.0048
CSO026	1365 SYCAMORE	0.1008	90%	0.0908	Commercial	90	0.860	0.9	0.0065	0	0.050	0.9	0.0004	0.0061
CSO026	1517 BROADWAY	0.0945	90%	0.0850	Commercial	90	0.860	0.9	0.0061	0	0.050	0.9	0.0004	0.0057
CSO026	675 CLINTON	0.0871	90%	0.0784	Commercial	90	0.860	0.9	0.0056	0	0.050	0.9	0.0003	0.0053
CSO026	959 BROADWAY	0.4441	90%	0.3997	Commercial	90	0.860	0.9	0.0286	0	0.050	0.9	0.0017	0.0270
CSO026	1383 SYCAMORE	0.1850	90%	0.1665	Commercial	90	0.860	0.9	0.0119	0	0.050	0.9	0.0007	0.0112
CSO026	488 FILLMORE	0.1088	90%	0.0979	Commercial	90	0.860	0.9	0.0070	0	0.050	0.9	0.0004	0.0066
CSO026	1389 SYCAMORE	0.0863	90%	0.0776	Commercial	90	0.860	0.9	0.0056	0	0.050	0.9	0.0003	0.0052
CSO026	1124 BROADWAY	0.0703	90%	0.0633	Commercial	90	0.860	0.9	0.0045	0	0.050	0.9	0.0003	0.0043
CSO026	1257 FILLMORE	0.4285	90%	0.3857	Commercial	90	0.860	0.9	0.0276	0	0.050	0.9	0.0016	0.0260
CSO026	1150 BROADWAY	0.0829	90%	0.0746	Commercial	90	0.860	0.9	0.0053	0	0.050	0.9	0.0003	0.0050
CSO026	71 METCALFE	0.0800	90%	0.0720	Commercial	90	0.860	0.9	0.0052	0	0.050	0.9	0.0003	0.0049
CSO026	1185 BROADWAY	0.0775	90%	0.0698	Commercial	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0047
CSO026	1430 BROADWAY	0.0888	90%	0.0799	Commercial	90	0.860	0.9	0.0057	0	0.050	0.9	0.0003	0.0054
CSO026	619 BROADWAY	0.0940	90%	0.0846	Commercial	90	0.860	0.9	0.0061	0	0.050	0.9	0.0004	0.0057
CSO026	1474 GENESEE	0.1021	90%	0.0919	Commercial	90	0.860	0.9	0.0066	0	0.050	0.9	0.0004	0.0062
CSO026	691 WILLIAM	0.0963	90%	0.0866	Commercial	90	0.860	0.9	0.0062	0	0.050	0.9	0.0004	0.0058
CSO026	53 NEWTON	0.0706	90%	0.0636	Commercial	90	0.860	0.9	0.0046	0	0.050	0.9	0.0003	0.0043
CSO026	1363 SYCAMORE	0.0926	90%	0.0833	Commercial	90	0.860	0.9	0.0060	0	0.050	0.9	0.0003	0.0056
CSO026	1350 BROADWAY	0.0968	90%	0.0871	Commercial	90	0.860	0.9	0.0062	0	0.050	0.9	0.0004	0.0059
CSO026	643 WILLIAM	0.0718	90%	0.0646	Commercial	90	0.860	0.9	0.0046	0	0.050	0.9	0.0003	0.0044

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	677 WILLIAM	0.0734	90%	0.0661	Commercial	90	0.860	0.9	0.0047	0	0.050	0.9	0.0003	0.0045
CSO026	585 FILLMORE	0.0844	90%	0.0759	Commercial	90	0.860	0.9	0.0054	0	0.050	0.9	0.0003	0.0051
CSO026	752 FILLMORE	0.0892	90%	0.0803	Commercial	90	0.860	0.9	0.0058	0	0.050	0.9	0.0003	0.0054
CSO026	1425 BROADWAY	0.0933	90%	0.0840	Commercial	90	0.860	0.9	0.0060	0	0.050	0.9	0.0003	0.0057
CSO026	388 PADEREWSKI	0.0499	90%	0.0449	Commercial	90	0.860	0.9	0.0032	0	0.050	0.9	0.0002	0.0030
CSO026	310 PADEREWSKI	0.0510	90%	0.0459	Commercial	90	0.860	0.9	0.0033	0	0.050	0.9	0.0002	0.0031
CSO026	854 SYCAMORE	0.0770	90%	0.0693	Commercial	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0047
CSO026	1152 BROADWAY	0.1007	90%	0.0906	Commercial	90	0.860	0.9	0.0065	0	0.050	0.9	0.0004	0.0061
CSO026	1387 BROADWAY	0.0777	90%	0.0699	Commercial	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0047
CSO026	673 WILLIAM	0.0732	90%	0.0659	Commercial	90	0.860	0.9	0.0047	0	0.050	0.9	0.0003	0.0044
CSO026	80 ASHLEY	0.0811	90%	0.0729	Commercial	90	0.860	0.9	0.0052	0	0.050	0.9	0.0003	0.0049
CSO026	910 BROADWAY	0.0806	90%	0.0725	Commercial	90	0.860	0.9	0.0052	0	0.050	0.9	0.0003	0.0049
CSO026	1172 BROADWAY	0.0734	90%	0.0661	Commercial	90	0.860	0.9	0.0047	0	0.050	0.9	0.0003	0.0045
CSO026	474 FILLMORE	0.1096	90%	0.0987	Commercial	90	0.860	0.9	0.0071	0	0.050	0.9	0.0004	0.0067
CSO026	188 CLARK	0.1858	65%	0.1208	Commercial	65	0.635	0.9	0.0089	0	0.050	0.9	0.0007	0.0082
CSO026	584 CLINTON	0.1180	65%	0.0767	Commercial	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO026	439 MONROE	0.0617	65%	0.0401	Commercial	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	437 MONROE	0.0582	65%	0.0378	Commercial	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	797 FILLMORE	0.0795	65%	0.0516	Commercial	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	296 COIT	0.0785	65%	0.0511	Commercial	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	198 EMSLIE	0.9429	40%	0.3771	Community Service / Institutional	40	0.410	0.9	0.0290	0	0.050	0.9	0.0035	0.0255
CSO026	9 CLARE	0.0335	65%	0.0218	Community Service / Institutional	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0015
CSO026	1471 GENESEE	0.1095	65%	0.0712	Community Service / Institutional	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO026	537 FILLMORE	0.0882	56%	0.0494	Detached Residential	56	0.554	0.9	0.0037	0	0.050	0.9	0.0003	0.0033
CSO026	820 FILLMORE	0.0987	56%	0.0553	Detached Residential	56	0.554	0.9	0.0041	0	0.050	0.9	0.0004	0.0037
CSO026	1028 SYCAMORE	0.0813	56%	0.0455	Detached Residential	56	0.554	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	55 ST LOUIS AVE	0.0752	56%	0.0421	Detached Residential	56	0.554	0.9	0.0031	0	0.050	0.9	0.0003	0.0028
CSO026	119 TITUS	0.0654	65%	0.0425	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	31 GUILFORD	0.0803	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	198 TITUS	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	125 KOONS	0.0697	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	154 PARADE NORTH	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	213 MILLS	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO026	26 LATHROP	0.0693	65%	0.0451	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	35 SCHMARBECK	0.0647	65%	0.0421	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	105 GUILFORD	0.0775	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	266 PECKHAM	0.1511	65%	0.0982	Detached Residential	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0066
CSO026	232 STRAUSS	0.0968	65%	0.0629	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	43 OBERLIN	0.1052	65%	0.0684	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	70 WARREN	0.0712	65%	0.0463	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	790 NORTHAMPTON	0.1168	65%	0.0759	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO026	914 SMITH	0.0717	65%	0.0466	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	27 GUILFORD	0.0806	65%	0.0524	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	23 ROTHER	0.0673	65%	0.0438	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	46 BARTHEL	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	32 DAVIS	0.1149	65%	0.0747	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO026	37 ONEIDA	0.0454	65%	0.0295	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO026	577 FILLMORE	0.0819	65%	0.0533	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	123 GITTERE	0.0736	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	9 CLIFFORD	0.0548	65%	0.0356	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	123 GUILFORD	0.0781	65%	0.0508	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	88 TITUS	0.0778	65%	0.0506	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	319 KOONS	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	281 STRAUSS	0.0981	65%	0.0638	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	47 QUINCY	0.0704	65%	0.0457	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	141 MADISON	0.0872	65%	0.0567	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO026	34 STANTON	0.0727	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	30 BARTHEL	0.0753	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	65 KOONS	0.0664	65%	0.0431	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	323 JEFFERSON	0.1358	65%	0.0883	Detached Residential	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO026	324 KOONS	0.0994	65%	0.0646	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO026	940 NORTHAMPTON	0.1003	65%	0.0652	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	42 STRAUSS	0.0986	65%	0.0641	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	200 ONEIDA	0.0692	65%	0.0450	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	148 TOWNSEND	0.0705	65%	0.0458	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	1058 SMITH	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	128 STANTON	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	285 MILLS	0.0869	65%	0.0565	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	18 SPIESS	0.1034	65%	0.0672	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	99 STRAUSS	0.0910	65%	0.0592	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	215 FOX	0.0932	65%	0.0606	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	129 KRUPP	0.0661	65%	0.0430	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	845 PERRY	0.1015	65%	0.0660	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO026	233 LATHROP	0.0403	65%	0.0262	Detached Residential	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO026	805 EAGLE EAST	0.0686	65%	0.0446	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	893 SMITH	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	210 WILSON	0.0700	65%	0.0455	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	602 FULTON	0.1695	65%	0.1101	Detached Residential	65	0.635	0.9	0.0081	0	0.050	0.9	0.0006	0.0074
CSO026	200 TITUS	0.0657	65%	0.0427	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	1330 BROADWAY	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	32 ROETZER	0.0883	65%	0.0574	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	169 FOX	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	75 YOUNG	0.0808	65%	0.0525	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	84 FOX	0.0893	65%	0.0580	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	17 TITUS	0.0679	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	481 ADAMS	0.0602	65%	0.0391	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	159 HOWARD	0.0658	65%	0.0428	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	102 WICK	0.0709	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	460 MONROE	0.1271	65%	0.0826	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO026	39 GOODYEAR	0.0646	65%	0.0420	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	299 STRAUSS	0.0887	65%	0.0576	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	158 PARADE NORTH	0.0804	65%	0.0523	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	275 STRAUSS	0.0877	65%	0.0570	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO026	125 REED	0.0800	65%	0.0520	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	581 FILLMORE	0.0892	65%	0.0580	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	154 BISSELL	0.0734	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	1 GITTERE	0.0776	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	921 SMITH	0.0738	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	151 PARADE EAST	0.0727	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	283 STRAUSS	0.0851	65%	0.0553	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	216 WILSON	0.0696	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	558 MONROE	0.0596	65%	0.0388	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	541 MADISON	0.0614	65%	0.0399	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	119 METCALFE	0.1010	65%	0.0657	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	146 MONROE	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	50 GIBSON	0.0779	65%	0.0506	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	47 HARMONIA	0.0543	65%	0.0353	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	59 B ST	0.0835	65%	0.0543	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	18 SCHMARBECK	0.0647	65%	0.0420	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	22 GOODYEAR	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	327 MILLS	0.0889	65%	0.0578	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	368 EMSLIE	0.0865	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	55 HOWLETT	0.0769	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	304 MADISON	0.0772	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	65 SWINBURNE	0.0810	65%	0.0527	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	53 CORNELIA	0.0383	65%	0.0249	Detached Residential	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO026	236 HERMAN	0.0993	65%	0.0646	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO026	25 ROMMEL	0.0645	65%	0.0419	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	26 GIBSON	0.0750	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	717 JEFFERSON	0.0652	65%	0.0424	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	111 QUINCY	0.0685	65%	0.0445	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	158 BISSELL	0.0721	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	347 PADEREWSKI	0.0668	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	396 WILSON	0.0795	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	916 SMITH	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	946 NORTHAMPTON	0.1005	65%	0.0653	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	315 WATSON	0.0759	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	41 NEWTON	0.0697	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	164 WALDEN	0.1009	65%	0.0656	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	488 WILSON	0.0805	65%	0.0523	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	247 ROTHER	0.0996	65%	0.0647	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO026	15 ROMMEL	0.0669	65%	0.0435	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	92 STRAUSS	0.0968	65%	0.0629	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	20 GUILFORD	0.2729	65%	0.1774	Detached Residential	65	0.635	0.9	0.0130	0	0.050	0.9	0.0010	0.0120
CSO026	76 GRIMES	0.0836	65%	0.0543	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	226 TITUS	0.0654	65%	0.0425	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	153 BISSELL	0.0734	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	54 HOWLETT	0.0714	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	208 GOODYEAR	0.0673	65%	0.0437	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	31 ST LOUIS AVE	0.0719	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	240 SOBIESKI	0.0652	65%	0.0424	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	1007 FILLMORE	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	128 WALDEN	0.0909	65%	0.0591	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	294 WALDEN	0.0834	65%	0.0542	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	77 ST LOUIS AVE	0.0723	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	104 LOMBARD	0.0744	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	215 WATSON	0.0739	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	151 SEARS	0.0639	65%	0.0416	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	77 HARMONIA	0.0540	65%	0.0351	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	46 SOBIESKI	0.0626	65%	0.0407	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	55 EMPIRE	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	257 WATSON	0.0724	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	85 FOX	0.0903	65%	0.0587	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	49 LOMBARD	0.0759	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	63 C ST	0.0465	65%	0.0303	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO026	298 STRAUSS	0.0928	65%	0.0603	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	227 WALDEN	0.0723	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	109 SWEET	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	181 COIT	0.0745	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	39 ROMMEL	0.0635	65%	0.0413	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	291 PADEREWSKI	0.0688	65%	0.0447	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	62 GIBSON	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	230 GOODYEAR	0.0673	65%	0.0437	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	441 SWEET	0.0672	65%	0.0437	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	38 ST LOUIS AVE	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	80 MILLER	0.0813	65%	0.0528	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	517 SHERMAN	0.0866	65%	0.0563	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	113 ST LOUIS AVE	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	92 SWINBURNE	0.0781	65%	0.0508	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	398 GIBSON	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	129 SEARS	0.0613	65%	0.0399	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	212 JOHNSON ST	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	138 SHERMAN	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	96 WARREN	0.0689	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	118 TITUS	0.0771	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	239 ROTHER	0.0457	65%	0.0297	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO026	55 KEHR	0.1182	65%	0.0768	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO026	44 LIDDELL	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	987 WILLIAM	0.0639	65%	0.0415	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	52 ROMMEL	0.0643	65%	0.0418	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	297 FILLMORE	0.0859	65%	0.0558	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	84 MOHR ST	0.0822	65%	0.0534	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	149 CLARK	0.0652	65%	0.0424	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	320 GOODYEAR	0.0751	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	80 KOONS	0.0707	65%	0.0460	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	256 ROTHER	0.0679	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	269 STRAUSS	0.0890	65%	0.0578	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	307 ROTHER	0.0907	65%	0.0589	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	237 REED	0.0788	65%	0.0512	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	102 MILLER	0.0810	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	42 BARTHEL	0.0735	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	47 HOWLETT	0.0768	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	39 KOSCIUSZKO	0.0681	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	507 HOWARD	0.2209	65%	0.1436	Detached Residential	65	0.635	0.9	0.0105	0	0.050	0.9	0.0008	0.0097
CSO026	131 SWEET	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	37 KOONS	0.0645	65%	0.0419	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	132 PECK	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	196 GOODYEAR	0.0669	65%	0.0435	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	402 GOODYEAR	0.0749	65%	0.0487	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	365 WALDEN	0.0707	65%	0.0460	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	15 C ST	0.0496	65%	0.0323	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO026	91 TITUS	0.0669	65%	0.0435	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	79 OBERLIN	0.1049	65%	0.0682	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	46 KOONS	0.0668	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	850 BROADWAY	0.0948	65%	0.0616	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	48 GIBSON	0.0747	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	328 WOLTZ	0.0840	65%	0.0546	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	247 MONROE	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	248 WILSON	0.0706	65%	0.0459	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	95 FOX	0.0938	65%	0.0610	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	36 BOLTON	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	71 LIDDELL	0.0733	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	44 ROMMEL	0.0632	65%	0.0411	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	181 GIBSON	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	1039 SMITH	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	277 WATSON	0.0731	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	46 LOMBARD	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	67 HOUGHTON	0.0699	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	204 KOONS	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	44 LOEPERE	0.0747	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	111 MOSELLE	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	96 HERMAN	0.0924	65%	0.0600	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	8 KENT	0.0717	65%	0.0466	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	276 SMITH	0.0792	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	219 SMITH	0.1178	65%	0.0766	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	81 PRENATT	0.1222	65%	0.0794	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO026	278 LATHROP	0.0618	65%	0.0401	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	252 PERSON	0.1202	65%	0.0781	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0005	0.0053
CSO026	146 EMSLIE	0.0667	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	69 SWINBURNE	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	14 BARTHEL	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	81 SWINBURNE	0.0751	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	18 THOMAS	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	815 EAGLE EAST	0.1374	65%	0.0893	Detached Residential	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO026	61 IVY	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	61 ST LOUIS AVE	0.0697	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	22 IVY	0.0750	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	166 WALDEN	0.1021	65%	0.0663	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	36 WOLTZ	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	34 JOHNSON ST	0.0771	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	60 PERSON	0.0905	65%	0.0588	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	184 PLAYTER	0.0634	65%	0.0412	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	147 MILLS	0.0805	65%	0.0523	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	396 WALDEN	0.1016	65%	0.0660	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO026	475 FILLMORE	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	47 JONES	0.0723	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	15 KRUPP	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	258 PECKHAM	0.0779	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	61 SWINBURNE	0.0810	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	20 ST LOUIS AVE	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	119 BISSELL	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	89 WARREN	0.0696	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	128 SEARS	0.0621	65%	0.0404	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	20 GRIMES	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	179 ASHLEY	0.0771	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	108 KOONS	0.0673	65%	0.0438	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	25 HARMONIA	0.0638	65%	0.0415	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	81 MOSELLE	0.0701	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	258 SWEET	0.0719	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	220 WALDEN	0.0700	65%	0.0455	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	293 REED	0.0792	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	5 GITTERE	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	128 SWEET	0.0718	65%	0.0466	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	114 SHUMWAY	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	73 HOUGHTON	0.0678	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	218 WILSON	0.0687	65%	0.0447	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	61 KOONS	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	256 COIT	0.0782	65%	0.0508	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	211 PADEREWSKI	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	216 MADISON	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	200 COIT	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	44 LOMBARD	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	329 GOODYEAR	0.0773	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	137 HERMAN	0.0850	65%	0.0552	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	144 PERSON	0.0871	65%	0.0566	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	135 STANISLAUS	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	58 BARTHEL	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	981 SYCAMORE	0.0797	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	89 LOMBARD	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	355 KOONS	0.0822	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	257 PERSON	0.0646	65%	0.0420	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	56 PERSON	0.0894	65%	0.0581	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	277 STANTON	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	964 NORTHAMPTON	0.1107	65%	0.0719	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO026	525 FILLMORE	0.0837	65%	0.0544	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	174 TITUS	0.0676	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	221 WOLTZ	0.0769	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	110 SWEET	0.0714	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	117 PLAYTER	0.0646	65%	0.0420	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	92 MILBURN	0.0935	65%	0.0608	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	48 WILSON	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	40 ROETZER	0.0880	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	54 GREY	0.2433	65%	0.1581	Detached Residential	65	0.635	0.9	0.0116	0	0.050	0.9	0.0009	0.0107
CSO026	73 MOSELLE	0.0705	65%	0.0458	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	442 MONROE	0.0611	65%	0.0397	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	70 SWEET	0.0704	65%	0.0457	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	62 HOUGHTON	0.0676	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	195 MILLER	0.0670	65%	0.0435	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	113 QUINCY	0.0715	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	674 JEFFERSON	0.1122	65%	0.0729	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO026	19 GITTERE	0.0718	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	108 LOMBARD	0.0776	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	55 BARTHEL	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	309 KOONS	0.0800	65%	0.0520	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	1279 BROADWAY	0.0847	65%	0.0550	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	63 KOONS	0.0667	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	25 PERSON	0.0913	65%	0.0593	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	51 HERMAN	0.0819	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	61 PERSON	0.0906	65%	0.0589	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	480 PECKHAM	0.1386	65%	0.0901	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO026	996 FILLMORE	0.0918	65%	0.0597	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	112 IVY	0.0783	65%	0.0509	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	35 DESHLER	0.0860	65%	0.0559	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	223 GOODYEAR	0.0674	65%	0.0438	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	56 EMPIRE	0.0756	65%	0.0491	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	1244 FILLMORE	0.0358	65%	0.0233	Detached Residential	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO026	2 GITTERE	0.0822	65%	0.0534	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	89 BROWNELL	0.0799	65%	0.0519	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	41 ROMMEL	0.0658	65%	0.0428	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	231 WALDEN	0.1044	65%	0.0679	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	59 GUILFORD	0.0779	65%	0.0506	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	68 GRIMES	0.0818	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	56 WILSON	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	73 MOHR ST	0.0828	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	265 WATSON	0.0735	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	120 PLAYTER	0.0629	65%	0.0409	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	881 NORTHAMPTON	0.0801	65%	0.0521	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	34 SOBIESKI	0.0625	65%	0.0406	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	89 MILBURN	0.0892	65%	0.0580	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	915 SMITH	0.0724	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	58 EMPIRE	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	153 SEARS	0.0644	65%	0.0418	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	138 KRETTNER	0.0630	65%	0.0410	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	72 WARREN	0.0671	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	56 HERMAN	0.0889	65%	0.0578	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	288 SOBIESKI	0.0656	65%	0.0427	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	256 WOLTZ	0.0818	65%	0.0531	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	104 SWINBURNE	0.0793	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	257 ASHLEY	0.0592	65%	0.0385	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	33 KOSCIUSZKO	0.0698	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	64 DESHLER	0.0852	65%	0.0554	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	106 GOODYEAR	0.0679	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	15 WARREN	0.0437	65%	0.0284	Detached Residential	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO026	464 EMSLIE	0.0899	65%	0.0584	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	137 MOHR ST	0.0825	65%	0.0536	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	94 TITUS	0.1568	65%	0.1019	Detached Residential	65	0.635	0.9	0.0075	0	0.050	0.9	0.0006	0.0069
CSO026	199 TOWNSEND	0.0697	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	255 DETROIT	0.0820	65%	0.0533	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	30 LOMBARD	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	205 SHUMWAY	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	45 CLARK	0.0686	65%	0.0446	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	57 SWINBURNE	0.0778	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	364 SHERMAN	0.1044	65%	0.0679	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	221 ELK	0.1159	65%	0.0754	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO026	1303 SYCAMORE	0.1048	65%	0.0681	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	202 GOODYEAR	0.0669	65%	0.0435	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	248 LATHROP	0.0607	65%	0.0394	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	175 GIBSON	0.0759	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	21 PERSON	0.0859	65%	0.0559	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	192 WILSON	0.0581	65%	0.0378	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	156 BISSELL	0.0730	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	194 CLARK	0.0627	65%	0.0407	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	38 SWINBURNE	0.0817	65%	0.0531	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	340 KOONS	0.0731	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	244 GUILFORD	0.0814	65%	0.0529	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	320 KOONS	0.0552	65%	0.0359	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	524 SHERMAN	0.0919	65%	0.0597	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	104 GITTERE	0.0718	65%	0.0466	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	99 MILLER	0.0773	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	326 LOEPERE	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	123 TITUS	0.0670	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	121 GOODYEAR	0.0682	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	24 GOODYEAR	0.0677	65%	0.0440	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	40 KOONS	0.0662	65%	0.0430	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	48 SCHMARBECK	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	43 GUILFORD	0.0797	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	246 KRETTNER	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	1437 GENESEE	0.0602	65%	0.0391	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	50 LOEPERE	0.0769	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	303 PADEREWSKI	0.0717	65%	0.0466	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	65 SWEET	0.0703	65%	0.0457	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	964 SYCAMORE	0.1012	65%	0.0658	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	280 COIT	0.1017	65%	0.0661	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO026	111 KENT	0.0915	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	176 DETROIT	0.0701	65%	0.0455	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	97 FOX	0.0928	65%	0.0603	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	121 LIDDELL	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	130 SEARS	0.0605	65%	0.0394	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	140 LATHROP	0.0701	65%	0.0455	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	91 ASHLEY	0.0832	65%	0.0541	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	100 WARREN	0.0688	65%	0.0447	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	246 PERSON	0.1165	65%	0.0757	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO026	71 SWINBURNE	0.0823	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	499 FILLMORE	0.0870	65%	0.0565	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	61 MOHR ST	0.0579	65%	0.0376	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO026	200 SWEET	0.0672	65%	0.0437	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	8 GRIMES	0.0754	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	75 MILBURN	0.0884	65%	0.0574	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	55 WARREN	0.0665	65%	0.0432	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	179 REED	0.0813	65%	0.0528	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	458 WILSON	0.0815	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	1 RUHLAND	0.0796	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	226 WILSON	0.0709	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	268 WALDEN	0.1103	65%	0.0717	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO026	88 REED	0.0795	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	19 TOWNSEND	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	367 PADEREWSKI	0.0693	65%	0.0450	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	77 JOHNSON ST	0.1010	65%	0.0657	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	879 NORTHAMPTON	0.0855	65%	0.0556	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	154 LATHROP	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	447 ADAMS	0.0594	65%	0.0386	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	539 SHERMAN	0.0783	65%	0.0509	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	68 PERSON	0.0908	65%	0.0591	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	27 OLGA	0.0758	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	147 TOWNSEND	0.1350	65%	0.0877	Detached Residential	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO026	383 SHERMAN	0.1214	65%	0.0789	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0053
CSO026	41 MARSHALL	0.0980	65%	0.0637	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	140 MOSELLE	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	203 STANISLAUS	0.0629	65%	0.0409	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	322 MADISON	0.0753	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	103 FOX	0.0940	65%	0.0611	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	40 EUCLID	0.0690	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	315 PADEREWSKI	0.0777	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	771 FILLMORE	0.0857	65%	0.0557	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	27 STRAUSS	0.0959	65%	0.0623	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	59 ST LOUIS AVE	0.0721	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	131 PLAYTER	0.0652	65%	0.0424	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	22 B ST	0.1002	65%	0.0651	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	62 FOX	0.0871	65%	0.0566	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	30 LATHROP	0.0691	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	224 PADEREWSKI	0.0648	65%	0.0421	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	18 MONTGOMERY	0.0741	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	30 OBERLIN	0.1033	65%	0.0671	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	25 KOSCIUSZKO	0.0670	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	197 FOX	0.0924	65%	0.0600	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	77 SHERMAN	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	62 WICK	0.0744	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	856 EAGLE EAST	0.0557	65%	0.0362	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0024
CSO026	139 ASHLEY	0.0698	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	267 FOX	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	49 C ST	0.0861	65%	0.0560	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	138 LIDDELL	0.0819	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	400 WALDEN	0.0947	65%	0.0615	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	96 WASMUTH	0.0717	65%	0.0466	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	251 REED	0.0797	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	45 HOWLETT	0.0776	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	65 THOMAS	0.0400	65%	0.0260	Detached Residential	65	0.635	0.9	0.0019	0	0.050	0.9	0.0001	0.0018
CSO026	194 SHUMWAY	0.0739	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	403 MONROE	0.0621	65%	0.0404	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	50 BARTHEL	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	125 METCALFE	0.0718	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	77 GIBSON	0.0748	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	284 FILLMORE	0.0684	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	559 ADAMS	0.0602	65%	0.0392	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	126 BISSELL	0.0716	65%	0.0466	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	115 KOONS	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	320 MADISON	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	37 SHUMWAY	0.0727	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	899 NORTHAMPTON	0.0820	65%	0.0533	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	928 CLINTON	0.0880	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	839 DIVISION SOUTH	0.0830	65%	0.0539	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO026	109 LOEPERE	0.0753	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	192 PERSON	0.0654	65%	0.0425	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	563 MONROE	0.0640	65%	0.0416	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	125 GUILFORD	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	236 COIT	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	56 DAVIS	0.0689	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	34 DAVIS	0.0592	65%	0.0385	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	97 KRETTNER	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	69 ONEIDA	0.0673	65%	0.0437	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	162 ROTHER	0.0655	65%	0.0425	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	305 SWEET	0.0660	65%	0.0429	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	866 FILLMORE	0.1782	65%	0.1158	Detached Residential	65	0.635	0.9	0.0085	0	0.050	0.9	0.0007	0.0078
CSO026	862 FILLMORE	0.0899	65%	0.0584	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	83 LOEPERE	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	122 CLARE	0.0591	65%	0.0384	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	573 ADAMS	0.1168	65%	0.0759	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO026	49 WASMUTH	0.0735	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	61 GITTERE	0.0694	65%	0.0451	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	125 BISSELL	0.0770	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	57 SCHMARBECK	0.0631	65%	0.0410	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	340 SHERMAN	0.0751	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	210 GIBSON	0.0722	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	94 KEHR	0.1210	65%	0.0786	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0053
CSO026	1245 SYCAMORE	0.0983	65%	0.0639	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	24 ROMMEL	0.0622	65%	0.0404	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	54 LATHROP	0.1388	65%	0.0902	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO026	195 TOWNSEND	0.0688	65%	0.0447	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	123 PLAYTER	0.0645	65%	0.0419	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	237 LOEPERE	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	41 MILLS	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	134 REED	0.0791	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	37 DESHLER	0.0865	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	48 CLIFFORD	0.0625	65%	0.0406	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	79 SWINBURNE	0.0804	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	279 SHUMWAY	0.0713	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	1238 SYCAMORE	0.1052	65%	0.0684	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	242 GUILFORD	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	128 GOODYEAR	0.0647	65%	0.0420	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	20 GIBSON	0.0794	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	839 SMITH	0.0755	65%	0.0491	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	125 LOEPERE	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	69 MARSHALL	0.0581	65%	0.0378	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	65 LIDDELL	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	127 PLAYTER	0.0637	65%	0.0414	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	143 CLARK	0.0644	65%	0.0419	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	139 PLAYTER	0.0642	65%	0.0417	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	83 WARREN	0.0691	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	62 BROWNELL	0.0819	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	147 ST LOUIS AVE	0.0550	65%	0.0358	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	21 ST LOUIS AVE	0.0751	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	327 ROTHER	0.0942	65%	0.0612	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	332 GIBSON	0.0768	65%	0.0499	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	11 MILBURN	0.0902	65%	0.0587	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	946 FILLMORE	0.2732	65%	0.1776	Detached Residential	65	0.635	0.9	0.0130	0	0.050	0.9	0.0010	0.0120
CSO026	325 KOONS	0.0863	65%	0.0561	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	915 NORTHAMPTON	0.1045	65%	0.0679	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	373 GOODYEAR	0.0796	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	122 PLAYTER	0.0636	65%	0.0414	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	327 MONROE	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	83 SEARS	0.0616	65%	0.0400	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	75 QUINCY	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	51 SWINBURNE	0.0569	65%	0.0370	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	269 STANTON	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	160 LATHROP	0.0684	65%	0.0445	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	140 LOEPERE	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	436 GOODYEAR	0.0741	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	404 GIBSON	0.1541	65%	0.1002	Detached Residential	65	0.635	0.9	0.0073	0	0.050	0.9	0.0006	0.0068
CSO026	479 FILLMORE	0.0833	65%	0.0541	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	318 WATSON	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	116 GITTERE	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	49 HARMONIA	0.0550	65%	0.0357	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	298 WALDEN	0.0823	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	672 JEFFERSON	0.1037	65%	0.0674	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	36 PECK	0.0742	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	37 ST LOUIS AVE	0.0718	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	247 LOEPERE	0.0741	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	473 ADAMS	0.1147	65%	0.0745	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO026	336 WALDEN	0.0871	65%	0.0566	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	397 GOODYEAR	0.0779	65%	0.0506	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	30 ROMMEL	0.0645	65%	0.0419	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	146 LOMBARD	0.0671	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	42 KRUPP	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	560 MONROE	0.0603	65%	0.0392	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	87 MILBURN	0.0923	65%	0.0600	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	323 SHERMAN	0.0936	65%	0.0608	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	111 ST LOUIS AVE	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	124 STRAUSS	0.0965	65%	0.0627	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	117 KRUPP	0.0712	65%	0.0463	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	109 IVY	0.0700	65%	0.0455	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	109 MOSELLE	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	99 BISSELL	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	95 WASMUTH	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	321 ROTHER	0.0963	65%	0.0626	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	221 SOBIESKI	0.0662	65%	0.0431	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	948 FILLMORE	0.0918	65%	0.0597	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	934 FILLMORE	0.0917	65%	0.0596	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	139 KOSCIUSZKO	0.0681	65%	0.0442	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	51 YOUNG	0.0782	65%	0.0508	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	49 YOUNG	0.0837	65%	0.0544	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	36 WARREN	0.0701	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	153 LOMBARD	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	170 GIBSON	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	244 COIT	0.0777	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	149 LOMBARD	0.0731	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	127 GIBSON	0.0744	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	93 DETROIT	0.0842	65%	0.0547	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	29 HARMONIA	0.0563	65%	0.0366	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	124 PLAYTER	0.0640	65%	0.0416	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	1068 SYCAMORE	0.0857	65%	0.0557	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	29 KOSCIUSZKO	0.0698	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	571 FILLMORE	0.0880	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	27 ST LOUIS AVE	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	178 DETROIT	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	68 PECK	0.0679	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	978 FILLMORE	0.1017	65%	0.0661	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO026	122 FOX	0.0908	65%	0.0590	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	223 WATSON	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	204 STRAUSS	0.1004	65%	0.0652	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	860 NORTHAMPTON	0.1147	65%	0.0746	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO026	127 GITTERE	0.0647	65%	0.0420	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	217 COIT	0.0753	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	23 OLGA	0.0706	65%	0.0459	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	314 ADAMS	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	139 SHUMWAY	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	48 C ST	0.0984	65%	0.0640	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	58 C ST	0.0818	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	1023 FILLMORE	0.0941	65%	0.0612	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	444 SHERMAN	0.0773	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	120 WICK	0.0731	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	113 GOODYEAR	0.0684	65%	0.0445	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	35 HOWARD	0.0576	65%	0.0375	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	51 C ST	0.0808	65%	0.0525	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	70 KOSCIUSZKO	0.0667	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	194 PADEREWSKI	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	611 FULTON	0.1033	65%	0.0671	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	47 LIDDELL	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	18 SHUMWAY	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	40 WICK	0.0736	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	92 WICK	0.0975	65%	0.0634	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	55 TITUS	0.0661	65%	0.0430	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	143 SHUMWAY	0.0714	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	86 IVY	0.0775	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	41 KOSCIUSZKO	0.0730	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	108 BARTHEL	0.0579	65%	0.0377	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO026	13 GENEVA	0.0706	65%	0.0459	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	234 PERSON	0.1200	65%	0.0780	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0005	0.0053
CSO026	267 COIT	0.0763	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	918 NORTHAMPTON	0.1021	65%	0.0663	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	294 STRAUSS	0.1042	65%	0.0678	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	314 MADISON	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	245 WATSON	0.0749	65%	0.0487	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	95 WOLTZ	0.0756	65%	0.0491	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	32 C ST	0.0989	65%	0.0643	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	218 SHUMWAY	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	98 MILLER	0.0788	65%	0.0512	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	111 SELKIRK	0.0842	65%	0.0547	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	63 JOHNSON ST	0.1005	65%	0.0653	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	235 HERMAN	0.1882	65%	0.1223	Detached Residential	65	0.635	0.9	0.0090	0	0.050	0.9	0.0007	0.0083
CSO026	39 BARTHEL	0.0754	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	34 DESHLER	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	219 PADEREWSKI	0.0671	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	224 SMITH	0.0248	65%	0.0161	Detached Residential	65	0.635	0.9	0.0012	0	0.050	0.9	0.0001	0.0011
CSO026	54 ROHR	0.0377	65%	0.0245	Detached Residential	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO026	24 ROHR	0.0930	65%	0.0605	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	108 SWEET	0.0691	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	39 HERMAN	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	65 YOUNG	0.0793	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	87 GIBSON	0.0790	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	111 GOODYEAR	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	129 ASHLEY	0.0589	65%	0.0383	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	502 SHERMAN	0.1485	65%	0.0965	Detached Residential	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0065
CSO026	115 SHUMWAY	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	16 LATHROP	0.0605	65%	0.0394	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	104 KOONS	0.0655	65%	0.0426	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	329 WOLTZ	0.0724	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	504 SHERMAN	0.0771	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	185 KOSCIUSZKO	0.0671	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	64 PECK	0.1472	65%	0.0957	Detached Residential	65	0.635	0.9	0.0070	0	0.050	0.9	0.0006	0.0065
CSO026	1307 SYCAMORE	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO026	93 TITUS	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	935 FILLMORE	0.0901	65%	0.0586	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	32 DESHLER	0.1185	65%	0.0770	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO026	47 GITTERE	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	111 WALDEN	0.0744	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	173 METCALFE	0.0832	65%	0.0541	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	341 PADEREWSKI	0.0689	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	283 MILLS	0.0849	65%	0.0552	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	137 MILLS	0.0832	65%	0.0541	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	1212 SYCAMORE	0.0695	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	19 OLGA	0.0749	65%	0.0487	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	2 PERSON	0.1320	65%	0.0858	Detached Residential	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO026	116 PLAYTER	0.0617	65%	0.0401	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	304 WATSON	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	78 GUILFORD	0.0796	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	122 LIDDELL	0.0723	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	48 SWEET	0.0706	65%	0.0459	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	89 GIBSON	0.0754	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	59 HOUGHTON	0.0707	65%	0.0459	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	16 LOMBARD	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	105 LOMBARD	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	79 PERSON	0.0893	65%	0.0581	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	44 TOWNSEND	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	95 KOONS	0.0696	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	53 GOODYEAR	0.0660	65%	0.0429	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	316 GOODYEAR	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	83 WOLTZ	0.0738	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	192 KOONS	0.0655	65%	0.0426	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	117 LIDDELL	0.0792	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	99 HARMONIA	0.0587	65%	0.0381	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	204 TOWNSEND	0.0690	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	119 YOUNG	0.0833	65%	0.0542	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	15 DESHLER	0.2510	65%	0.1632	Detached Residential	65	0.635	0.9	0.0120	0	0.050	0.9	0.0009	0.0110
CSO026	362 SHERMAN	0.1078	65%	0.0701	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO026	833 DIVISION SOUTH	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	866 EAGLE EAST	0.0560	65%	0.0364	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	219 GOODYEAR	0.0649	65%	0.0422	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	29 WALDEN	0.0952	65%	0.0619	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	128 STRAUSS	0.0975	65%	0.0634	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	68 TOWNSEND	0.0669	65%	0.0435	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	152 CLARK	0.0623	65%	0.0405	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	113 MOSELLE	0.0718	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	15 JONES	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	56 MILLER	0.0792	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	29 HERMAN	0.0772	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	38 TOWNSEND	0.0684	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	86 STRAUSS	0.0982	65%	0.0638	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	500 WILSON	0.0896	65%	0.0583	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	50 TITUS	0.0800	65%	0.0520	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	969 FILLMORE	0.1056	65%	0.0686	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	115 GITTERE	0.0725	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	214 GIBSON	0.0730	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	96 CLARK	0.0625	65%	0.0406	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	107 ASHLEY	0.0828	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	74 IVY	0.0781	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	168 METCALFE	0.0803	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	138 JAMES	0.1057	65%	0.0687	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	51 BROWNELL	0.0918	65%	0.0597	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	37 TOWNSEND	0.0684	65%	0.0445	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	24 WOLTZ	0.0790	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	105 KRETTNER	0.0727	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	284 COIT	0.0739	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	135 PLAYTER	0.0625	65%	0.0406	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	43 KOSCIUSZKO	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	59 WARREN	0.0689	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	199 GOODYEAR	0.0639	65%	0.0415	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	240 COIT	0.0692	65%	0.0450	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	139 TOWNSEND	0.0698	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	71 LOEPERE	0.0741	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	62 LIDDELL	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	115 KRETTNER	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	229 GOODYEAR	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	193 MILLS	0.0323	65%	0.0210	Detached Residential	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO026	41 MILLER	0.0790	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	143 TOWNSEND	0.0693	65%	0.0450	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	55 BROWNELL	0.0896	65%	0.0582	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	62 SWINBURNE	0.0813	65%	0.0529	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	77 LIDDELL	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	43 BISSELL	0.0760	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	115 LOMBARD	0.0763	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	344 PADEREWSKI	0.0524	65%	0.0341	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO026	99 TITUS	0.0672	65%	0.0437	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	80 BARTHEL	0.0719	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	182 GREY	0.1165	65%	0.0757	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO026	78 WICK	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	111 KRETTNER	0.0727	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	115 ASHLEY	0.0836	65%	0.0543	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	218 GOODYEAR	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	928 FILLMORE	0.0918	65%	0.0597	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	33 MILLER	0.0808	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO026	894 SYCAMORE	0.1441	65%	0.0936	Detached Residential	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0063
CSO026	45 BISSELL	0.0750	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	52 TOWNSEND	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	352 EMSLIE	0.0816	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	97 THOMAS	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	85 WASMUTH	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	89 LIDDELL	0.0950	65%	0.0618	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	297 SWEET	0.0601	65%	0.0391	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	67 ONEIDA	0.0651	65%	0.0423	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	212 COIT	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	128 ASHLEY	0.0826	65%	0.0537	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	34 STRAUSS	0.0977	65%	0.0635	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	56 NEWTON	0.0664	65%	0.0432	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	109 MILLER	0.0783	65%	0.0509	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	116 WICK	0.0773	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	110 WICK	0.0713	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	396 GIBSON	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	69 LIDDELL	0.0724	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	30 STRAUSS	0.0972	65%	0.0632	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	184 GIBSON	0.0733	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	299 PADEREWSKI	0.0709	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	27 PINK	0.0598	65%	0.0389	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	46 ASHLEY	0.0747	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	319 GOODYEAR	0.0801	65%	0.0520	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	15 TITUS	0.0682	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	38 LOEPERE	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	63 STRAUSS	0.0899	65%	0.0584	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	86 WICK	0.0952	65%	0.0619	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	31 WARREN	0.1035	65%	0.0673	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	1335 BROADWAY	0.1068	65%	0.0694	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO026	277 EMSLIE	0.1111	65%	0.0722	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO026	56 TOWNSEND	0.0696	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	124 ASHLEY	0.0839	65%	0.0546	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	32 REED	0.0822	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	24 GIBSON	0.0796	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	39 HOUGHTON	0.1103	65%	0.0717	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO026	29 DESHLER	0.0851	65%	0.0553	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	57 WASMUTH	0.0976	65%	0.0634	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	122 PARADE NORTH	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	26 PETERSON	0.1614	65%	0.1049	Detached Residential	65	0.635	0.9	0.0077	0	0.050	0.9	0.0006	0.0071
CSO026	29 OLGA	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	142 MOHR ST	0.0842	65%	0.0547	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	217 MADISON	0.0763	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	958 NORTHAMPTON	0.1115	65%	0.0725	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO026	29 KEHR	0.1181	65%	0.0767	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO026	261 ADAMS	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	70 JOHNSON ST	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	140 COIT	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	129 KOONS	0.0686	65%	0.0446	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	43 SOBIESKI	0.0682	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	556 MONROE	0.0567	65%	0.0369	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	119 MILLER	0.0785	65%	0.0510	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	780 SMITH	0.0583	65%	0.0379	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	83 MOHR ST	0.0843	65%	0.0548	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	134 LIDDELL	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	327 KOONS	0.0811	65%	0.0527	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	139 CLARK	0.0605	65%	0.0393	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	764 EAGLE EAST	0.0581	65%	0.0378	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO026	856 SYCAMORE	0.0733	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	137 KOONS	0.0664	65%	0.0432	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	183 HERMAN	0.0903	65%	0.0587	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	104 LIDDELL	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	489 ADAMS	0.0610	65%	0.0397	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	88 GOODYEAR	0.0677	65%	0.0440	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	59 DESHLER	0.0868	65%	0.0564	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	119 COIT	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	294 DETROIT	0.0747	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	85 TITUS	0.0687	65%	0.0446	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	130 BISSELL	0.0710	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	222 HOWARD	0.0634	65%	0.0412	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	32 TITUS	0.0805	65%	0.0523	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	284 SHUMWAY	0.0707	65%	0.0459	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	22 PETERSON	0.1497	65%	0.0973	Detached Residential	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0066
CSO026	129 IVY	0.0764	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	16 C ST	0.1056	65%	0.0686	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	65 ROTHER	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	111 PECK	0.0705	65%	0.0458	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	97 MILBURN	0.0905	65%	0.0588	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	89 DETROIT	0.0802	65%	0.0521	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	399 KOONS	0.0837	65%	0.0544	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	256 WALDEN	0.0816	65%	0.0531	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	62 WILSON	0.0691	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	232 MONROE	0.0756	65%	0.0491	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	77 LOMBARD	0.0747	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	265 WALDEN	0.0803	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	30 MOSELLE	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	261 PERSON	0.0586	65%	0.0381	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	51 RUHLAND	0.0620	65%	0.0403	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	227 STANISLAUS	0.0681	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	218 SEARS	0.0616	65%	0.0400	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	202 WILSON	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	42 ASHLEY	0.0781	65%	0.0508	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	124 JONES	0.0650	65%	0.0422	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	198 TOWNSEND	0.0698	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	98 MOSELLE	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	73 MILBURN	0.0916	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	54 GRIMES	0.0863	65%	0.0561	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	23 ROHR	0.0888	65%	0.0577	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	375 WALDEN	0.0616	65%	0.0401	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	185 GUILFORD	0.0763	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	327 MADISON	0.0754	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	25 LOMBARD	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	57 BISSELL	0.0755	65%	0.0491	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	25 A ST	0.1003	65%	0.0652	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	79 WALDEN	0.0808	65%	0.0525	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	34 TITUS	0.0761	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	17 PADEREWSKI	0.0537	65%	0.0349	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	130 LOEPERE	0.0749	65%	0.0487	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	6 MILBURN	0.1018	65%	0.0662	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO026	124 SEARS	0.0618	65%	0.0402	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	107 GOODYEAR	0.0668	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	106 GITTERE	0.0744	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	126 WICK	0.0738	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	60 LATHROP	0.0693	65%	0.0451	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	91 MILBURN	0.0935	65%	0.0607	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	477 FILLMORE	0.0879	65%	0.0571	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	85 LOMBARD	0.0771	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	343 MONROE	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	224 WOLTZ	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	119 PECK	0.0657	65%	0.0427	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	132 PERSON	0.0915	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	633 BROADWAY	0.0805	65%	0.0523	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	1006 CLINTON	0.7582	75%	0.5687	Industrial	75	0.725	0.9	0.0412	0	0.050	0.9	0.0028	0.0384
CSO026	46 METCALFE	0.8904	75%	0.6678	Industrial	75	0.725	0.9	0.0484	0	0.050	0.9	0.0033	0.0451
CSO026	74 SEARS	0.0623	90%	0.0561	Multi Family Residential	90	0.860	0.9	0.0040	0	0.050	0.9	0.0002	0.0038

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	224 LOEPERE	0.0742	90%	0.0667	Multi Family Residential	90	0.860	0.9	0.0048	0	0.050	0.9	0.0003	0.0045
CSO026	1348 SYCAMORE	0.0784	90%	0.0705	Multi Family Residential	90	0.860	0.9	0.0051	0	0.050	0.9	0.0003	0.0048
CSO026	109 ST LOUIS AVE	0.0748	90%	0.0673	Multi Family Residential	90	0.860	0.9	0.0048	0	0.050	0.9	0.0003	0.0045
CSO026	271 FILLMORE	0.1065	90%	0.0958	Multi Family Residential	90	0.860	0.9	0.0069	0	0.050	0.9	0.0004	0.0065
CSO026	225 SMITH	0.0355	90%	0.0319	Multi Family Residential	90	0.860	0.9	0.0023	0	0.050	0.9	0.0001	0.0022
CSO026	214 STRAUSS	0.0973	90%	0.0875	Multi Family Residential	90	0.860	0.9	0.0063	0	0.050	0.9	0.0004	0.0059
CSO026	54 WILSON	0.0696	90%	0.0627	Multi Family Residential	90	0.860	0.9	0.0045	0	0.050	0.9	0.0003	0.0042
CSO026	23 MILLER	0.0753	90%	0.0678	Multi Family Residential	90	0.860	0.9	0.0049	0	0.050	0.9	0.0003	0.0046
CSO026	94 LOMBARD	0.0762	90%	0.0686	Multi Family Residential	90	0.860	0.9	0.0049	0	0.050	0.9	0.0003	0.0046
CSO026	314 WILSON	0.0884	90%	0.0796	Multi Family Residential	90	0.860	0.9	0.0057	0	0.050	0.9	0.0003	0.0054
CSO026	1503 BROADWAY	0.0955	90%	0.0860	Multi Family Residential	90	0.860	0.9	0.0062	0	0.050	0.9	0.0004	0.0058
CSO026	72 SWINBURNE	0.0783	90%	0.0704	Multi Family Residential	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0048
CSO026	70 SWINBURNE	0.0782	90%	0.0703	Multi Family Residential	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0047
CSO026	1332 SYCAMORE	0.0828	90%	0.0745	Multi Family Residential	90	0.860	0.9	0.0053	0	0.050	0.9	0.0003	0.0050
CSO026	1107 SYCAMORE	0.1082	65%	0.0703	Multi Family Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0047
CSO026	180 KOSCIUSZKO	0.0680	65%	0.0442	Multi Family Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	179 ROTHER	0.0644	65%	0.0419	Multi Family Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	610 BROADWAY	0.1258	50%	0.0629	None	50	0.500	0.9	0.0047	0	0.050	0.9	0.0005	0.0042
CSO026	541 FILLMORE	0.0922	50%	0.0461	None	50	0.500	0.9	0.0035	0	0.050	0.9	0.0003	0.0031
CSO026	65 MILLS	0.0797	65%	0.0518	None	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	497 FILLMORE	0.0829	65%	0.0539	None	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	14 HOUGHTON	0.0706	65%	0.0459	None	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	33 GUILFORD	0.0739	65%	0.0480	None	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	230 WOLTZ	0.0824	65%	0.0535	None	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	35 GUILFORD	0.0845	65%	0.0549	None	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	47 FOX	0.0961	65%	0.0625	None	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	257 GUILFORD	0.0789	65%	0.0513	None	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	257 SWEET	0.0653	65%	0.0424	None	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	306 SOBIESKI	0.0648	65%	0.0421	None	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	597 ADAMS	0.1133	65%	0.0737	None	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO026	694 WILLIAM	0.0666	65%	0.0433	None	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	12 KENT	0.0673	65%	0.0437	None	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	825 EAGLE EAST	0.0712	65%	0.0463	None	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	1072 SMITH	0.0750	65%	0.0488	None	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	95 REED	0.0800	65%	0.0520	None	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	751 GENESEE	0.1353	65%	0.0879	None	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO026	48 GUILFORD	0.0789	65%	0.0513	None	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	806 SOUTH PARK	0.0710	65%	0.0461	None	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	50 GUILFORD	0.0801	65%	0.0521	None	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	48 KEHR	0.0676	65%	0.0440	None	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	819 EAGLE EAST	0.0673	65%	0.0438	None	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	158 GOODYEAR	0.0961	65%	0.0624	None	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	474 SYCAMORE	0.0731	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	1075 SYCAMORE	0.0849	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	130 LIDDELL	0.0725	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	968 SYCAMORE	0.1023	5%	0.0051	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	369 PECKHAM	0.0828	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	223 STANISLAUS	0.0712	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	373 PECKHAM	0.1429	5%	0.0071	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO026	1265 SYCAMORE	0.1015	5%	0.0051	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	681 SYCAMORE	0.0994	5%	0.0050	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	840 SYCAMORE	0.0911	5%	0.0046	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	51 SOBIESKI	0.0645	5%	0.0032	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO026	336 EMSLIE	0.1624	5%	0.0081	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0006	0.0005
CSO026	779 FILLMORE	0.0828	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	76 CLARK	0.0651	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO026	367 PECKHAM	0.0577	5%	0.0029	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO026	168 ELK	0.1025	5%	0.0051	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	447 SWEET	0.0638	5%	0.0032	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO026	116 ST LOUIS AVE	0.1432	5%	0.0072	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO026	243 PADEREWSKI	0.0819	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	162 WATSON	0.0765	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	757 FILLMORE	0.0816	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	194 KRETTNER	0.1451	5%	0.0073	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO026	26 REED	0.0716	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	231 PLAYTER	0.0650	5%	0.0032	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO026	342 PADEREWSKI	0.0551	5%	0.0028	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO026	80 JONES	0.0725	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	183 FOX	0.0903	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	158 COIT	0.0745	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	1420 BROADWAY	0.0873	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	183 PADEREWSKI	0.0869	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	76 WILSON	0.0715	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	1224 SYCAMORE	0.0946	5%	0.0047	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	149 STANISLAUS	0.0735	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	85 MOSELLE	0.0680	5%	0.0034	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	481 HOWARD	0.0790	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	111 METCALFE	0.1035	5%	0.0052	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	268 SHERMAN	0.0752	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	982 SYCAMORE	0.0831	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	115 PARADE EAST	0.1026	5%	0.0051	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	103 ST LOUIS AVE	0.0742	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	19 MILLS	0.0801	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	221 ASHLEY	0.0792	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	91 STANTON	0.0738	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	78 GIBSON	0.0747	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	1459 GENESEE	0.0783	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	144 STANISLAUS	0.0851	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	206 WATSON	0.0736	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	287 MONROE	0.0760	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003

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						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	1208 GENESEE	0.0804	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	1127 BROADWAY	0.1552	5%	0.0078	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO026	1335 SYCAMORE	0.0897	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	488 SYCAMORE	0.0673	5%	0.0034	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	609 CLINTON	0.1464	5%	0.0073	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO026	669 GENESEE	0.5028	5%	0.0251	Vacant Land	5	0.095	0.9	0.0036	0	0.050	0.9	0.0019	0.0017
CSO026	335 PECKHAM	0.0838	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	729 BROADWAY	0.2610	5%	0.0131	Vacant Land	5	0.095	0.9	0.0019	0	0.050	0.9	0.0010	0.0009
CSO026	1344 BROADWAY	0.0838	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	880 BROADWAY	0.0886	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	1123 SYCAMORE	0.1088	5%	0.0054	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO026	309 PADEREWSKI	0.0723	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	768 BROADWAY	0.9271	5%	0.0464	Vacant Land	5	0.095	0.9	0.0066	0	0.050	0.9	0.0035	0.0031
CSO026	1183 BROADWAY	0.1499	5%	0.0075	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO026	1186 BROADWAY	0.0781	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	932 SOUTH PARK	0.0630	5%	0.0031	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO026	167 WALDEN	0.0662	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO026	566 BROADWAY	0.1174	5%	0.0059	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO026	171 SMITH	0.0955	5%	0.0048	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	1341 SYCAMORE	0.0982	5%	0.0049	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	1396 BROADWAY	0.0875	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	718 BROADWAY	0.0592	5%	0.0030	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO026	1301 BROADWAY	0.0894	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	668 BROADWAY	0.1368	5%	0.0068	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO026	849 FILLMORE	0.0825	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	1250 SYCAMORE	0.0826	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	202 ELK	0.0768	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	665 WILLIAM	0.0708	5%	0.0035	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	671 WILLIAM	0.0681	5%	0.0034	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	721 BROADWAY	0.1905	5%	0.0095	Vacant Land	5	0.095	0.9	0.0014	0	0.050	0.9	0.0007	0.0006
CSO026	1164 BROADWAY	0.0937	5%	0.0047	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	859 BROADWAY	0.1260	5%	0.0063	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO026	806 BROADWAY	0.0953	5%	0.0048	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	599 GENESEE	0.5948	5%	0.0297	Vacant Land	5	0.095	0.9	0.0042	0	0.050	0.9	0.0022	0.0020
CSO026	664 BROADWAY	0.1210	5%	0.0061	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO026	1283 BROADWAY	0.0939	5%	0.0047	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	833 SOUTH PARK	0.0675	5%	0.0034	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	695 GENESEE	0.1520	5%	0.0076	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO026	1243 SYCAMORE	0.0859	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	705 WILLIAM	0.0820	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	1354 BROADWAY	0.0874	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	237 PADEREWSKI	0.0873	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	742 WILLIAM	0.0742	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	594 EAGLE EAST	0.0448	5%	0.0022	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0002	0.0002
CSO026	1168 SYCAMORE	0.9795	5%	0.0490	Vacant Land	5	0.095	0.9	0.0070	0	0.050	0.9	0.0037	0.0033

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	1133 SYCAMORE	0.0867	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	832 BROADWAY	0.0888	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	151 WALDEN	0.1279	5%	0.0064	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO026	1418 BROADWAY	0.0875	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	901 WILLIAM	0.2615	5%	0.0131	Vacant Land	5	0.095	0.9	0.0019	0	0.050	0.9	0.0010	0.0009
CSO026	131 GOODYEAR	0.5441	5%	0.0272	Vacant Land	5	0.095	0.9	0.0039	0	0.050	0.9	0.0020	0.0018
CSO026	276 WALDEN	0.0918	5%	0.0046	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0003	0.0003
CSO026	53 LOEPERE	0.0763	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	189 STANISLAUS	0.0750	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	313 PECKHAM	0.0749	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	46 WOLTZ	0.0762	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	83 PERSON	0.0886	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	89 PADEREWSKI	0.0725	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	650 WILLIAM	0.0636	5%	0.0032	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO026	273 PADEREWSKI	0.0789	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	92 WALDEN	0.0950	5%	0.0047	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	164 WATSON	0.1480	5%	0.0074	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO026	230 PADEREWSKI	0.0785	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	34 B ST	0.0990	5%	0.0050	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	103 WOLTZ	0.0765	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	574 FILLMORE	0.2929	5%	0.0146	Vacant Land	5	0.095	0.9	0.0021	0	0.050	0.9	0.0011	0.0010
CSO026	105 FOX	0.0921	5%	0.0046	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0003	0.0003
CSO026	289 FILLMORE	0.1043	5%	0.0052	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0004
CSO026	33 TOWNSEND	0.0700	5%	0.0035	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	94 WALDEN	0.0973	5%	0.0049	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	115 MILLS	0.0852	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	50 CLIFFORD	0.0626	5%	0.0031	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO026	118 ASHLEY	0.0822	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	969 SYCAMORE	0.0832	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	182 PARADE NORTH	0.0780	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	1348 BROADWAY	0.0807	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	777 SYCAMORE	0.0685	5%	0.0034	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	770 FILLMORE	0.0708	5%	0.0035	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	717 BROADWAY	0.1229	5%	0.0061	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO026	569 GENESEE	0.1687	5%	0.0084	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0006	0.0006
CSO026	1341 BROADWAY	0.0975	5%	0.0049	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	1414 BROADWAY	0.0935	5%	0.0047	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO026	215 WALDEN	0.0802	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	1233 SYCAMORE	0.1936	5%	0.0097	Vacant Land	5	0.095	0.9	0.0014	0	0.050	0.9	0.0007	0.0007
CSO026	755 GENESEE	0.0565	5%	0.0028	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO026	72 KOONS	0.0758	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	865 BROADWAY	0.0741	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO026	562 WILLIAM	0.0660	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO026	1432 GENESEE	0.1831	5%	0.0092	Vacant Land	5	0.095	0.9	0.0013	0	0.050	0.9	0.0007	0.0006
CSO026	796 WILLIAM	0.0864	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	1345 GENESEE	0.3500	5%	0.0175	Vacant Land	5	0.095	0.9	0.0025	0	0.050	0.9	0.0013	0.0012
CSO026	1071 SYCAMORE	0.0717	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO026	1392 BROADWAY	0.0862	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	753 GENESEE	0.0636	5%	0.0032	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO026	1163 BROADWAY	0.0879	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	1293 SYCAMORE	0.0826	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO026	213 TITUS	0.0687	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	342 KOONS	0.0758	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	285 SOBIESKI	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	101 GITTERE	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	277 ROTHER	0.0957	65%	0.0622	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	416 SWEET	0.0650	65%	0.0423	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	53 RUHLAND	0.0853	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	1110 SYCAMORE	0.0894	65%	0.0581	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	357 WALDEN	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	117 PARADE EAST	0.1060	65%	0.0689	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	31 GITTERE	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	93 IVY	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	19 LOEPERE	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	249 WATSON	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	164 GIBSON	0.0623	65%	0.0405	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	465 MONROE	0.0438	65%	0.0285	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO026	84 SEARS	0.0646	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	46 JONES	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	128 TOWNSEND	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	310 GIBSON	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	239 TITUS	0.0679	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	334 KOONS	0.0779	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	203 STRAUSS	0.0944	65%	0.0614	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	136 ST LOUIS AVE	0.0602	65%	0.0391	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	42 OBERLIN	0.1056	65%	0.0686	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	1128 SYCAMORE	0.1024	75%	0.0768	Vacant Land	75	0.725	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO026	952 FILLMORE	0.0923	65%	0.0600	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	234 STRAUSS	0.0966	65%	0.0628	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	59 EMPIRE	0.0739	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	57 EMPIRE	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	222 PERSON	0.0644	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	25 PINK	0.0514	65%	0.0334	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO026	111 GRIMES	0.1367	65%	0.0889	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO026	127 CLARE	0.0580	65%	0.0377	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO026	204 KRETTNER	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	82 LOMBARD	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	506 PECKHAM	0.0676	90%	0.0609	Vacant Land	90	0.860	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	232 WILSON	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	16 KRETTNER	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	918 SOUTH PARK	0.0631	65%	0.0410	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	262 LOEPERE	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	302 WOLTZ	0.0816	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	109 RUHLAND	0.0573	65%	0.0372	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	51 BISSELL	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	426 KOONS	0.0805	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	134 ROTHER	0.0662	90%	0.0596	Vacant Land	90	0.860	0.9	0.0043	0	0.050	0.9	0.0002	0.0040
CSO026	197 TITUS	0.0661	65%	0.0430	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	224 MILLER	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	44 HARMONIA	0.0576	65%	0.0375	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	204 TITUS	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	18 EMPIRE	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	131 BISSELL	0.0730	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	259 ROTHER	0.0948	65%	0.0616	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	22 HARMONIA	0.0657	65%	0.0427	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	1215 FILLMORE	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	58 B ST	0.1017	65%	0.0661	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO026	63 HOWLETT	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	284 LATHROP	0.0633	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	86 ST LOUIS AVE	0.0704	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	217 SWEET	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	164 JOHNSON ST	0.0745	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	29 LOEPERE	0.0715	90%	0.0644	Vacant Land	90	0.860	0.9	0.0046	0	0.050	0.9	0.0003	0.0043
CSO026	84 SOBIESKI	0.0627	90%	0.0565	Vacant Land	90	0.860	0.9	0.0040	0	0.050	0.9	0.0002	0.0038
CSO026	34 MILLER	0.0777	90%	0.0700	Vacant Land	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0047
CSO026	103 HERMAN	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	248 PERSON	0.1212	90%	0.1091	Vacant Land	90	0.860	0.9	0.0078	0	0.050	0.9	0.0005	0.0074
CSO026	195 HERMAN	0.1093	65%	0.0710	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO026	230 JOHNSON ST	0.1363	65%	0.0886	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO026	233 PERSON	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	77 MADISON	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	440 ADAMS	0.0615	65%	0.0400	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	249 MONROE	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	287 FILLMORE	0.1071	65%	0.0696	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO026	95 CLARK	0.0605	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	246 STANTON	0.0732	90%	0.0659	Vacant Land	90	0.860	0.9	0.0047	0	0.050	0.9	0.0003	0.0044
CSO026	208 MONROE	0.0772	90%	0.0694	Vacant Land	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0047
CSO026	293 MONROE	0.0742	90%	0.0668	Vacant Land	90	0.860	0.9	0.0048	0	0.050	0.9	0.0003	0.0045
CSO026	18 GREY	0.1061	90%	0.0955	Vacant Land	90	0.860	0.9	0.0068	0	0.050	0.9	0.0004	0.0064
CSO026	132 DETROIT	0.0730	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	902 EAGLE EAST	0.0659	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	34 HERMAN	0.0864	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	76 GIBSON	0.0871	65%	0.0566	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	42 SWEET	0.0708	90%	0.0637	Vacant Land	90	0.860	0.9	0.0046	0	0.050	0.9	0.0003	0.0043
CSO026	450 EMSLIE	0.0874	65%	0.0568	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	290 PECKHAM	0.0400	50%	0.0200	Vacant Land	50	0.500	0.9	0.0015	0	0.050	0.9	0.0002	0.0014
CSO026	143 SHERMAN	0.0721	50%	0.0361	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0024
CSO026	132 SHUMWAY	0.0705	50%	0.0352	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0024
CSO026	140 SWEET	0.0703	50%	0.0351	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0024
CSO026	199 TITUS	0.0665	50%	0.0332	Vacant Land	50	0.500	0.9	0.0025	0	0.050	0.9	0.0002	0.0022
CSO026	187 GOODYEAR	0.0653	50%	0.0326	Vacant Land	50	0.500	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO026	230 KOONS	0.0663	50%	0.0331	Vacant Land	50	0.500	0.9	0.0025	0	0.050	0.9	0.0002	0.0022
CSO026	112 TITUS	0.0761	50%	0.0381	Vacant Land	50	0.500	0.9	0.0029	0	0.050	0.9	0.0003	0.0026
CSO026	39 MOSELLE	0.0702	50%	0.0351	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0024
CSO026	384 KOONS	0.0809	50%	0.0405	Vacant Land	50	0.500	0.9	0.0030	0	0.050	0.9	0.0003	0.0027
CSO026	1352 SYCAMORE	0.0741	50%	0.0371	Vacant Land	50	0.500	0.9	0.0028	0	0.050	0.9	0.0003	0.0025
CSO026	257 REED	0.0848	50%	0.0424	Vacant Land	50	0.500	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	7 FREDERICK	0.0965	50%	0.0482	Vacant Land	50	0.500	0.9	0.0036	0	0.050	0.9	0.0004	0.0033
CSO026	218 PERSON	0.0642	50%	0.0321	Vacant Land	50	0.500	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO026	72 ROTHER	0.0640	50%	0.0320	Vacant Land	50	0.500	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO026	221 JOHNSON ST	0.1525	50%	0.0763	Vacant Land	50	0.500	0.9	0.0057	0	0.050	0.9	0.0006	0.0051
CSO026	212 GOODYEAR	0.0690	50%	0.0345	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0023
CSO026	110 RUHLAND	0.0737	50%	0.0369	Vacant Land	50	0.500	0.9	0.0028	0	0.050	0.9	0.0003	0.0025
CSO026	46 WASMUTH	0.0727	50%	0.0364	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0025
CSO026	135 MILLS	0.0590	50%	0.0295	Vacant Land	50	0.500	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO026	252 LOEPERE	0.0714	50%	0.0357	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0024
CSO026	53 OBERLIN	0.1089	50%	0.0544	Vacant Land	50	0.500	0.9	0.0041	0	0.050	0.9	0.0004	0.0037
CSO026	20 ROHR	0.0928	50%	0.0464	Vacant Land	50	0.500	0.9	0.0035	0	0.050	0.9	0.0003	0.0031
CSO026	240 ROTHER	0.0687	50%	0.0343	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0023
CSO026	397 WALDEN	0.0875	50%	0.0437	Vacant Land	50	0.500	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	163 MILLER	0.0686	50%	0.0343	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0023
CSO026	108 IVY	0.0710	50%	0.0355	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0024
CSO026	336 ROTHER	0.0669	50%	0.0334	Vacant Land	50	0.500	0.9	0.0025	0	0.050	0.9	0.0003	0.0023
CSO026	256 STRAUSS	0.0977	50%	0.0489	Vacant Land	50	0.500	0.9	0.0037	0	0.050	0.9	0.0004	0.0033
CSO026	260 REED	0.0791	50%	0.0396	Vacant Land	50	0.500	0.9	0.0030	0	0.050	0.9	0.0003	0.0027
CSO026	48 HOUGHTON	0.0680	50%	0.0340	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0023
CSO026	82 PERSON	0.0912	50%	0.0456	Vacant Land	50	0.500	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	439 MADISON	0.0611	50%	0.0306	Vacant Land	50	0.500	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO026	66 PECKHAM	0.0758	50%	0.0379	Vacant Land	50	0.500	0.9	0.0028	0	0.050	0.9	0.0003	0.0026
CSO026	234 ASHLEY	0.0655	50%	0.0328	Vacant Land	50	0.500	0.9	0.0025	0	0.050	0.9	0.0002	0.0022
CSO026	146 SHERMAN	0.0743	50%	0.0372	Vacant Land	50	0.500	0.9	0.0028	0	0.050	0.9	0.0003	0.0025
CSO026	143 COIT	0.0758	50%	0.0379	Vacant Land	50	0.500	0.9	0.0028	0	0.050	0.9	0.0003	0.0026
CSO026	52 GOODYEAR	0.0659	50%	0.0330	Vacant Land	50	0.500	0.9	0.0025	0	0.050	0.9	0.0002	0.0022
CSO026	17 GOODYEAR	0.0713	50%	0.0356	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0024
CSO026	199 GUILFORD	0.0765	50%	0.0383	Vacant Land	50	0.500	0.9	0.0029	0	0.050	0.9	0.0003	0.0026
CSO026	1035 CLINTON	0.1745	50%	0.0873	Vacant Land	50	0.500	0.9	0.0065	0	0.050	0.9	0.0007	0.0059
CSO026	89 PERSON	0.0890	50%	0.0445	Vacant Land	50	0.500	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	173 PADEREWSKI	0.0730	50%	0.0365	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0025
CSO026	323 PADEREWSKI	0.0649	50%	0.0325	Vacant Land	50	0.500	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO026	195 PADEREWSKI	0.0656	50%	0.0328	Vacant Land	50	0.500	0.9	0.0025	0	0.050	0.9	0.0002	0.0022

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	67 GRIMES	0.0819	50%	0.0409	Vacant Land	50	0.500	0.9	0.0031	0	0.050	0.9	0.0003	0.0028
CSO026	134 MOHR ST	0.0828	50%	0.0414	Vacant Land	50	0.500	0.9	0.0031	0	0.050	0.9	0.0003	0.0028
CSO026	148 ADAMS	0.0743	50%	0.0371	Vacant Land	50	0.500	0.9	0.0028	0	0.050	0.9	0.0003	0.0025
CSO026	282 DETROIT	0.0728	50%	0.0364	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0025
CSO026	103 LIDDELL	0.0722	50%	0.0361	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0024
CSO026	153 KOSCIUSZKO	0.0681	50%	0.0340	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0023
CSO026	262 FOX	0.0597	50%	0.0299	Vacant Land	50	0.500	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO026	331 KOONS	0.0830	50%	0.0415	Vacant Land	50	0.500	0.9	0.0031	0	0.050	0.9	0.0003	0.0028
CSO026	305 WOLTZ	0.0796	50%	0.0398	Vacant Land	50	0.500	0.9	0.0030	0	0.050	0.9	0.0003	0.0027
CSO026	87 TITUS	0.0692	50%	0.0346	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0023
CSO026	155 BISSELL	0.0726	50%	0.0363	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0025
CSO026	1210 SYCAMORE	0.0682	50%	0.0341	Vacant Land	50	0.500	0.9	0.0026	0	0.050	0.9	0.0003	0.0023
CSO026	31 ROHR	0.0919	50%	0.0460	Vacant Land	50	0.500	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	132 WOLTZ	0.1331	50%	0.0666	Vacant Land	50	0.500	0.9	0.0050	0	0.050	0.9	0.0005	0.0045
CSO026	60 OBERLIN	0.1026	50%	0.0513	Vacant Land	50	0.500	0.9	0.0038	0	0.050	0.9	0.0004	0.0035
CSO026	249 LOEPERE	0.0714	50%	0.0357	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0024
CSO026	71 RUHLAND	0.0764	50%	0.0382	Vacant Land	50	0.500	0.9	0.0029	0	0.050	0.9	0.0003	0.0026
CSO026	24 BROWN	0.0917	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	154 STANISLAUS	0.0810	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	41 HOWLETT	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	61 OBERLIN	0.1010	65%	0.0656	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	104 MILLER	0.0795	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	187 MILLER	0.0679	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	243 MILLS	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	85 HARMONIA	0.0536	65%	0.0348	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0023
CSO026	6 GITTERE	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	171 ROTHER	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	49 KOSCIUSZKO	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	199 STANISLAUS	0.0662	65%	0.0430	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	23 TITUS	0.0660	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	240 SWEET	0.0653	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	75 KRUPP	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	59 MOHR ST	0.0559	65%	0.0363	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	246 DETROIT	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	16 SWEET	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	47 HOUGHTON	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	166 HERMAN	0.0898	65%	0.0584	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	176 STRAUSS	0.1017	65%	0.0661	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO026	208 WILSON	0.0682	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	169 PADEREWSKI	0.0647	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	41 HERMAN	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	77 SWINBURNE	0.0801	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	136 MILBURN	0.0898	65%	0.0584	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	162 ASHLEY	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	65 GIBSON	0.0785	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	37 REED	0.0816	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	327 WATSON	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	182 CLARK	0.0629	65%	0.0409	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	84 PECK	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	143 KRETTNER	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	968 NORTHAMPTON	0.1113	65%	0.0723	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO026	298 ROTHER	0.0706	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	59 HARMONIA	0.0540	65%	0.0351	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	47 ST LOUIS AVE	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	73 RUHLAND	0.0767	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	205 MILLER	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	576 WILSON	0.0877	65%	0.0570	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO026	59 RUHLAND	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	397 KOONS	0.0870	65%	0.0566	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	260 WALDEN	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	41 GITTERE	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	21 OBERLIN	0.1057	65%	0.0687	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	325 WOLTZ	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	124 KOONS	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	208 FOX	0.0902	65%	0.0586	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	20 MILLER	0.0800	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	240 PERSON	0.1211	65%	0.0787	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0053
CSO026	762 SMITH	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	237 SHUMWAY	0.0593	65%	0.0386	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	498 FILLMORE	0.1212	65%	0.0788	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0053
CSO026	102 SHERMAN	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	16 TOWNSEND	0.0847	65%	0.0551	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	75 CLARK	0.0628	65%	0.0408	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	419 ADAMS	0.0600	65%	0.0390	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	122 COIT	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	113 THOMAS	0.0790	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	426 CURTISS	0.1151	65%	0.0748	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO026	206 KOONS	0.0661	65%	0.0430	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	105 KOONS	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	161 ROTHER	0.0682	65%	0.0444	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	20 BENDER	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	251 HERMAN	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	44 ROETZER	0.0911	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	310 KOONS	0.0790	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	1130 SYCAMORE	0.0943	65%	0.0613	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	134 ST LOUIS AVE	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	401 GOODYEAR	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	127 ST LOUIS AVE	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	251 STRAUSS	0.0868	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	326 ROTHER	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	221 MILLS	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	122 RUHLAND	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	4 RUHLAND	0.0843	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	78 WASMUTH	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	211 SWEET	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	57 WOLTZ	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	46 GOODYEAR	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	75 STRAUSS	0.0963	65%	0.0626	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	107 MILLS	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	181 STRAUSS	0.1011	65%	0.0657	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	104 WATSON	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	186 TOWNSEND	0.0704	65%	0.0457	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	361 ADAMS	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	503 FILLMORE	0.0868	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	27 SWINBURNE	0.0802	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	232 JAMES	0.0674	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	100 COIT	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	84 DETROIT	0.0762	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	36 JONES	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	891 SMITH	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	58 HERMAN	0.0887	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	263 FOX	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	297 LOEPERE	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	135 KOSCIUSZKO	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	217 REED	0.0807	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	129 LOEPERE	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	194 MILLER	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	56 GITTERE	0.1433	65%	0.0932	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063
CSO026	506 WILSON	0.0884	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	201 TITUS	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	270 ROTHER	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	370 WALDEN	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	115 WALDEN	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	205 WOLTZ	0.0493	65%	0.0320	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0022
CSO026	57 SOBIESKI	0.0644	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	127 HERMAN	0.0823	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	216 JOHNSON ST	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	123 MILLS	0.1662	65%	0.1080	Vacant Land	65	0.635	0.9	0.0079	0	0.050	0.9	0.0006	0.0073
CSO026	38 TITUS	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	94 WOLTZ	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	40 GOODYEAR	0.0661	65%	0.0430	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	255 COIT	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	138 COIT	0.0733	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	70 TOWNSEND	0.0764	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	29 GOODYEAR	0.0660	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	809 EAGLE EAST	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	70 MILBURN	0.0993	65%	0.0645	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO026	109 KENT	0.0927	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	244 WATSON	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	74 PERSON	0.0887	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	54 JOHNSON ST	0.0764	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	84 CLARK	0.0617	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	66 MILBURN	0.0961	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	199 MADISON	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	292 DETROIT	0.0779	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	79 TOWNSEND	0.0646	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	134 SEARS	0.0631	65%	0.0410	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	139 SWEET	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	1037 CLINTON	0.1771	65%	0.1151	Vacant Land	65	0.635	0.9	0.0084	0	0.050	0.9	0.0007	0.0078
CSO026	59 CORNELIA	0.0468	65%	0.0304	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO026	201 MILLS	0.0851	65%	0.0553	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	74 ST LOUIS AVE	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	193 STRAUSS	0.0971	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	205 STRAUSS	0.0953	65%	0.0620	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	33 IVY	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	291 SWEET	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	142 WOLTZ	0.0791	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	260 ROTHER	0.0678	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	18 FREDERICK	0.1241	65%	0.0807	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO026	217 MILLS	0.0825	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	33 B ST	0.0979	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	17 GITTERE	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	16 RUHLAND	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	45 KOSCIUSZKO	0.0694	65%	0.0451	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	210 SWEET	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	330 GIBSON	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	227 PERSON	0.0637	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	53 BISSELL	0.0763	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	188 GOODYEAR	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	10 JOSEPHINE	0.0396	65%	0.0258	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0001	0.0017
CSO026	59 GITTERE	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	28 BARTHEL	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	459 SHERMAN	0.0846	65%	0.0550	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	30 HOUGHTON	0.0707	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	173 GIBSON	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	121 METCALFE	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	371 GOODYEAR	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	34 KEHR	0.0563	65%	0.0366	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	38 HOUGHTON	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	212 DETROIT	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	101 GIBSON	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	71 LOMBARD	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	104 ASHLEY	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	146 DETROIT	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	515 FILLMORE	0.0877	65%	0.0570	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO026	206 GIBSON	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	122 KOONS	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	50 ROTHER	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	220 SWEET	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	169 JOHNSON ST	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	799 SYCAMORE	0.0802	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	215 PERSON	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	617 JEFFERSON	0.1225	65%	0.0796	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO026	268 BRISTOL	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	295 FILLMORE	0.1223	65%	0.0795	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO026	36 GIBSON	0.0776	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	575 FILLMORE	0.0834	65%	0.0542	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	92 CLARK	0.0621	65%	0.0403	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	885 SMITH	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	188 COIT	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	100 PECK	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	332 WILSON	0.0838	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	812 WILLIAM	0.0682	65%	0.0444	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	130 PLAYTER	0.0642	65%	0.0417	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	32 OWAHN	0.0411	65%	0.0267	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO026	115 RUHLAND	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	280 LATHROP	0.0617	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	296 LOEPERE	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	129 SOBIESKI	0.0610	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	212 GUILFORD	0.1558	65%	0.1013	Vacant Land	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO026	484 WILSON	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	1356 SYCAMORE	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	90 WASMUTH	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	117 GITTERE	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	432 SWEET	0.0635	65%	0.0413	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	150 MOSELLE	0.1375	65%	0.0894	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO026	28 RUHLAND	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	56 LOEPERE	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	1213 FILLMORE	0.0836	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	1362 SYCAMORE	0.0684	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	111 PARADE EAST	0.1019	65%	0.0663	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	1346 SYCAMORE	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	135 GITTERE	0.0280	65%	0.0182	Vacant Land	65	0.635	0.9	0.0013	0	0.050	0.9	0.0001	0.0012
CSO026	127 RUHLAND	0.0750	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	52 REED	0.0764	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	201 PLAYTER	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	128 REED	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	153 STANISLAUS	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	50 SCHMARBECK	0.0627	65%	0.0408	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	16 GOODYEAR	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	54 LOEPERE	0.0744	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	49 LOEPERE	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	867 FILLMORE	0.0841	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	78 KOSCIUSZKO	0.0821	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	74 ROTHER	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	138 STRAUSS	0.1025	65%	0.0666	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	231 SWEET	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	247 EMSLIE	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	300 SHERMAN	0.0719	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	275 DETROIT	0.0795	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	4 WARREN	0.0846	65%	0.0550	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	40 LOMBARD	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	340 WATSON	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	3 GENEVA	0.0707	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	81 ADAMS	0.0830	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO026	194 TOWNSEND	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	33 GIBSON	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	15 HERMAN	0.0171	65%	0.0111	Vacant Land	65	0.635	0.9	0.0008	0	0.050	0.9	0.0001	0.0007
CSO026	85 TOWNSEND	0.0610	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	56 LOMBARD	0.0791	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	33 HOUGHTON	0.1007	65%	0.0655	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	82 MILBURN	0.0977	65%	0.0635	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	120 GRIMES	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	140 SHUMWAY	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	28 SHUMWAY	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	63 HERMAN	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	270 DETROIT	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	90 LOMBARD	0.0761	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	77 GRIMES	0.0790	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	124 PERSON	0.0931	65%	0.0605	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	62 LOMBARD	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	1031 CLINTON	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	40 REED	0.0800	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	99 LIDDELL	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	100 GITTERE	0.0750	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	291 WOLTZ	0.0763	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	130 LATHROP	0.0682	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	232 HERMAN	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	127 LATHROP	0.1243	65%	0.0808	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0055
CSO026	273 ROTHER	0.0946	65%	0.0615	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	131 IVY	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	22 MOSELLE	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	356 WALDEN	0.0891	65%	0.0579	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	43 RUHLAND	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	12 RUHLAND	0.0733	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	62 LOEPERE	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	49 SOBIESKI	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	42 LOEPERE	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	191 HERMAN	0.0903	65%	0.0587	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	254 PERSON	0.1145	65%	0.0745	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO026	172 GIBSON	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	125 SEARS	0.0625	65%	0.0406	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	135 SHUMWAY	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	37 LOMBARD	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	81 CLARK	0.0610	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	72 LOMBARD	0.0813	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	269 FOX	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	70 MOSELLE	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	39 KIEFER	0.0922	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	200 GOODYEAR	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	262 WOLTZ	0.0799	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	26 GITTERE	0.0727	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	851 NORTHAMPTON	0.0847	65%	0.0550	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	236 LOEPERE	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	274 SHUMWAY	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	265 ASHLEY	0.0893	65%	0.0580	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	60 GIBSON	0.0787	65%	0.0512	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO026	219 MILLS	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	122 GITTERE	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	179 KOSCIUSZKO	0.0684	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	359 KOONS	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	117 RUHLAND	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	33 LOEPERE	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	86 SWINBURNE	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	45 ROMMEL	0.0648	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	235 PERSON	0.0648	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	110 WATSON	0.0630	65%	0.0410	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	200 WILSON	0.0713	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	75 TOWNSEND	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	96 GRIMES	0.0821	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	32 WILSON	0.0688	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	171 SEARS	0.0634	65%	0.0412	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	287 COIT	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	100 ASHLEY	0.0823	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	152 ASHLEY	0.0685	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	948 SMITH	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	143 ASHLEY	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	108 RUHLAND	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	151 ROTHER	0.0679	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	234 GUILFORD	0.0805	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	315 KOONS	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	126 LATHROP	0.0685	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	147 LOEPERE	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	136 WOLTZ	0.0767	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	37 RUHLAND	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	391 GOODYEAR	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	25 OBERLIN	0.1038	65%	0.0675	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0046
CSO026	192 LATHROP	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	96 STRAUSS	0.0932	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	106 FOX	0.0939	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	52 KOONS	0.0667	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	80 STRAUSS	0.0935	65%	0.0608	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	199 SWEET	0.0653	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	225 PLAYTER	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	193 TOWNSEND	0.0682	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	59 GIBSON	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	339 MONROE	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	111 LOMBARD	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	102 COIT	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	96 SWEET	0.0684	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	79 CLARK	0.0604	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	897 SMITH	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	824 SMITH	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	14 BRIGHTON	0.0687	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	28 PETERSON	0.1362	65%	0.0885	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO026	555 SHERMAN	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	85 OBERLIN	0.1028	65%	0.0668	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	232 GUILFORD	0.0810	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	468 WILSON	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	303 KOONS	0.0808	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	145 LOEPERE	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	256 LOEPERE	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	182 TITUS	0.0666	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	126 GOODYEAR	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	42 MILLER	0.0779	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	31 SOBIESKI	0.0642	65%	0.0417	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	384 CURTISS	0.0911	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	212 ONEIDA	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	124 DETROIT	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	42 YOUNG	0.0837	65%	0.0544	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	172 LOMBARD	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	271 SHUMWAY	0.0727	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	30 OWAHN	0.0605	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	31 HARMONIA	0.0545	65%	0.0355	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	9 FREDERICK	0.0305	65%	0.0198	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0013
CSO026	271 SOBIESKI	0.0670	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	38 HARMONIA	0.0557	65%	0.0362	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0024
CSO026	44 OBERLIN	0.1042	65%	0.0677	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	247 WOLTZ	0.0770	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	119 IVY	0.0755	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	165 MILLER	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	57 HOWLETT	0.0787	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO026	30 KOONS	0.0658	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	212 PERSON	0.0651	65%	0.0423	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	90 WOLTZ	0.0792	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	78 LOEPERE	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	123 STRAUSS	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	58 LIDDELL	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	90 MONROE	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	123 KRETTNER	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	107 PLAYTER	0.0632	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	60 JONES	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	396 CURTISS	0.0894	65%	0.0581	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	71 CLARK	0.0604	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	49 GIBSON	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	49 GUILFORD	0.0809	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO026	244 REED	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	45 C ST	0.0828	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	454 SWEET	0.0681	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	39 OBERLIN	0.1028	65%	0.0668	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	19 ROHR	0.0902	65%	0.0586	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	377 SWEET	0.0655	65%	0.0426	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	103 BARTHEL	0.0687	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	127 GOODYEAR	0.0690	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	128 GITTERE	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	74 BARTHEL	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	59 FOX	0.0943	65%	0.0613	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	13 SCHMARBECK	0.0608	65%	0.0395	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	52 LIDDELL	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	30 LOEPERE	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	252 SWEET	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	242 WILSON	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	571 JEFFERSON	0.0620	65%	0.0403	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	238 WILSON	0.0618	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	297 COIT	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	13 LYMAN	0.1536	65%	0.0999	Vacant Land	65	0.635	0.9	0.0073	0	0.050	0.9	0.0006	0.0067
CSO026	87 WARREN	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	2 GENEVA	0.0411	65%	0.0267	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO026	302 MADISON	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	231 METCALFE	0.0867	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	330 WILSON	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	88 TOWNSEND	0.0632	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	129 STANTON	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	260 KRETTNER	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	69 RUHLAND	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	962 NORTHAMPTON	0.1135	65%	0.0738	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO026	226 GOODYEAR	0.0679	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	168 BISSELL	0.0408	65%	0.0265	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO026	49 IVY	0.0750	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	166 LOEPERE	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	86 KOONS	0.0647	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	37 HARMONIA	0.0563	65%	0.0366	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	25 ST LOUIS AVE	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	29 A ST	0.0975	65%	0.0634	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	181 MILLER	0.0673	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	25 RUHLAND	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	1131 SYCAMORE	0.0823	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	240 WOLTZ	0.0822	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	79 LIDDELL	0.0722	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	35 LOEPERE	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	217 GOODYEAR	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	239 REED	0.0792	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	269 LOEPERE	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	42 WOLTZ	0.0772	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	155 WOLTZ	0.0759	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	172 MILLER	0.0617	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	139 WALDEN	0.1517	65%	0.0986	Vacant Land	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0067
CSO026	47 HOWARD	0.0574	65%	0.0373	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	126 GITTERE	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	248 STRAUSS	0.0908	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	322 MILLS	0.0592	65%	0.0385	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	61 LOEPERE	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	39 SOBIESKI	0.0656	65%	0.0427	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	216 SHUMWAY	0.0684	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	58 KRUPP	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	82 SEARS	0.0622	65%	0.0405	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	8 WILSON	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	173 PLAYTER	0.0647	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	826 SOUTH PARK	0.0989	65%	0.0643	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	147 GREY	0.1112	65%	0.0723	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	114 PECK	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	109 GRIMES	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	21 STRAUSS	0.0963	65%	0.0626	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	60 FOX	0.0925	65%	0.0601	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	76 MOHR ST	0.0844	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	209 SEARS	0.0618	65%	0.0402	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	198 MONROE	0.0761	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	830 SMITH	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	237 ASHLEY	0.0822	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	135 ASHLEY	0.0707	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	66 WILSON	0.0678	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	130 SHUMWAY	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	198 ELK	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	865 EAGLE EAST	0.0982	65%	0.0638	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	1252 SYCAMORE	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	101 GOODYEAR	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	50 HARMONIA	0.0544	65%	0.0354	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	97 MILLER	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	34 BARTHEL	0.0739	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	212 HERMAN	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	139 MILLS	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	20 ROETZER	0.0896	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	396 KOONS	0.0785	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	393 WALDEN	0.0938	65%	0.0610	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	89 BISSELL	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	211 MILLS	0.0818	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	955 FILLMORE	0.1050	65%	0.0682	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	116 LIDDELL	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	872 FILLMORE	0.0905	65%	0.0588	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	68 HOUGHTON	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	259 PERSON	0.0647	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	247 PERSON	0.0653	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	101 GUILFORD	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	85 ADAMS	0.0764	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	282 LATHROP	0.0610	65%	0.0396	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	259 HERMAN	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	207 STRAUSS	0.0948	65%	0.0616	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	8 EMPIRE	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	274 ROTHER	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	32 GIBSON	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	205 COIT	0.0719	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	38 MEMORIAL	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	74 SWEET	0.0688	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	56 STRAUSS	0.0958	65%	0.0623	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	96 FOX	0.0910	65%	0.0591	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	166 DETROIT	0.0708	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	353 PECKHAM	0.0574	65%	0.0373	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	62 OBERLIN	0.1054	65%	0.0685	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	300 STRAUSS	0.0776	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	29 GITTERE	0.0716	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	79 STRAUSS	0.0949	65%	0.0617	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	104 WOLTZ	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	244 SWEET	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	50 HOUGHTON	0.0690	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	213 PADEREWSKI	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	26 HOUGHTON	0.0701	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	96 LOMBARD	0.0767	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	38 CONCORD	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	59 CLARK	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	31 LEWIS	0.0678	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	190 GOODYEAR	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	152 LATHROP	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	336 GOODYEAR	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	947 SYCAMORE	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	314 GOODYEAR	0.0787	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO026	138 ST LOUIS AVE	0.0604	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	330 ROTHER	0.0664	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	95 IVY	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	172 LATHROP	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	173 ROTHER	0.0685	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	180 GREY	0.1144	65%	0.0743	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO026	42 DAVIS	0.0580	65%	0.0377	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO026	55 KOSCIUSZKO	0.0701	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	267 DETROIT	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	175 LOMBARD	0.0755	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	940 SMITH	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	26 CLARK	0.0611	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	52 GIBSON	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	223 PLAYTER	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	30 SWINBURNE	0.0788	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	229 MONROE	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	220 COIT	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	53 TOWNSEND	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	141 TOWNSEND	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	99 JONES	0.0705	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	428 EMSLIE	0.0870	65%	0.0566	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	68 PECKHAM	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	35 C ST	0.1966	65%	0.1278	Vacant Land	65	0.635	0.9	0.0094	0	0.050	0.9	0.0007	0.0086
CSO026	276 LATHROP	0.0604	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	52 HARMONIA	0.0564	65%	0.0367	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	150 DETROIT	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	41 REED	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	244 FOX	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	36 HARMONIA	0.0612	65%	0.0398	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	173 GOODYEAR	0.1086	65%	0.0706	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO026	243 ROTHER	0.0446	65%	0.0290	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0020
CSO026	44 GITTERE	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	24 B ST	0.1018	65%	0.0662	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO026	41 KEHR	0.1113	65%	0.0723	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO026	292 LATHROP	0.1346	65%	0.0875	Vacant Land	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO026	367 GOODYEAR	0.0761	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	115 TITUS	0.0679	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	24 MILLER	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	74 KRUPP	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	1059 SMITH	0.0759	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	322 FILLMORE	0.0830	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO026	129 KRETTNER	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	1035 SMITH	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	169 GIBSON	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	332 MONROE	0.0763	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	86 SEARS	0.1275	65%	0.0829	Vacant Land	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO026	88 LOMBARD	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	83 LOMBARD	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	45 BROWNELL	0.0909	65%	0.0591	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	154 COIT	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	155 SEARS	0.0614	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	849 PERRY	0.1006	65%	0.0654	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	1043 CLINTON	0.1555	65%	0.1011	Vacant Land	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO026	273 SOBIESKI	0.0719	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	40 HARMONIA	0.0546	65%	0.0355	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	265 ROTHER	0.0952	65%	0.0619	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	142 MOSELLE	0.1303	65%	0.0847	Vacant Land	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO026	120 WALDEN	0.0981	65%	0.0638	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	278 WALDEN	0.0982	65%	0.0639	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	167 TITUS	0.0659	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	37 GITTERE	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	201 LOEPERE	0.0241	65%	0.0157	Vacant Land	65	0.635	0.9	0.0011	0	0.050	0.9	0.0001	0.0011
CSO026	80 HARMONIA	0.0557	65%	0.0362	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0024
CSO026	1333 SYCAMORE	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	400 WILSON	0.0843	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	230 SWEET	0.0653	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	34 LOEPERE	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	222 GREY	0.2356	65%	0.1531	Vacant Land	65	0.635	0.9	0.0112	0	0.050	0.9	0.0009	0.0103
CSO026	233 SWEET	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	114 SWEET	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	129 METCALFE	0.0727	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	69 TOWNSEND	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	100 JAMES	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	90 MOHR ST	0.0836	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	213 PLAYTER	0.0645	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	100 CLARK	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	102 SWEET	0.0693	65%	0.0451	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	202 MADISON	0.0636	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	103 PECK	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	266 ASHLEY	0.1192	65%	0.0775	Vacant Land	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0052
CSO026	255 SHERMAN	0.0716	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	186 KOONS	0.0660	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	253 GUILFORD	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	110 GITTERE	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	212 TITUS	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	244 ROTHER	0.0664	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	170 MILLER	0.0626	65%	0.0407	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	134 GITTERE	0.0256	65%	0.0167	Vacant Land	65	0.635	0.9	0.0012	0	0.050	0.9	0.0001	0.0011
CSO026	93 HARMONIA	0.0585	65%	0.0380	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	39 SPIESS	0.0554	65%	0.0360	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	120 TITUS	0.0786	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	451 SHERMAN	0.0916	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	33 ROTHER	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	112 REED	0.0799	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	67 EMPIRE	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	111 GUILFORD	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	420 WILSON	0.0818	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	63 SOBIESKI	0.0661	65%	0.0430	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	187 GUILFORD	0.0791	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	74 ADAMS	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	140 PLAYTER	0.0630	65%	0.0409	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	222 SHUMWAY	0.0719	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	461 MONROE	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	73 SEARS	0.0613	65%	0.0398	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	101 JONES	0.0799	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	240 TOWNSEND	0.0684	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	230 WILSON	0.0698	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	145 SHERMAN	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	398 ADAMS	0.0650	65%	0.0423	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	63 FOX	0.0907	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	128 PLAYTER	0.0626	65%	0.0407	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	270 SHUMWAY	0.0707	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	134 ELK	0.0858	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	262 SMITH	0.0907	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	60 HARMONIA	0.0547	65%	0.0355	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	300 LOEPERE	0.0741	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	293 WOLTZ	0.0730	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	311 SWEET	0.0647	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	31 IVY	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	73 KOONS	0.0658	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	16 HARMONIA	0.0693	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	245 ROTHER	0.1029	65%	0.0669	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	982 FILLMORE	0.0923	65%	0.0600	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	7 RUHLAND	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	290 LATHROP	0.0611	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	122 GOODYEAR	0.0678	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	55 SOBIESKI	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	135 GUILFORD	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	37 ROTHER	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	81 LIDDELL	0.0719	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	51 KOONS	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	534 MADISON	0.0645	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	180 HERMAN	0.0912	65%	0.0593	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	771 SYCAMORE	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	503 SHERMAN	0.0776	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	44 WARREN	0.0687	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	127 METCALFE	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	136 COIT	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	81 WARREN	0.0687	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	319 PADEREWSKI	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	196 COIT	0.0741	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	80 CLARK	0.0620	65%	0.0403	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	204 MONROE	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	185 PLAYTER	0.0664	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	90 SHERMAN	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	141 SHERMAN	0.0674	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	251 ASHLEY	0.0593	65%	0.0386	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	271 EMSLIE	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	430 CURTISS	0.0989	65%	0.0643	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	296 WOLTZ	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	222 TITUS	0.0659	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	163 ROTHER	0.0659	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	58 IVY	0.0779	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	38 ROETZER	0.0923	65%	0.0600	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	255 WALDEN	0.0965	65%	0.0627	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	284 STRAUSS	0.0982	65%	0.0639	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	998 FILLMORE	0.0945	65%	0.0614	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	120 BISSELL	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	323 ROTHER	0.0992	65%	0.0645	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO026	234 KOONS	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	118 OBERLIN	0.1044	65%	0.0679	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	392 WILSON	0.0804	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	194 SWEET	0.0659	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	205 JOHNSON ST	0.0905	65%	0.0588	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	96 WOLTZ	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	75 LOEPERE	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	60 MILLER	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	220 PADEREWSKI	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	210 PADEREWSKI	0.0779	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	351 PADEREWSKI	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	213 SHUMWAY	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	89 CLARK	0.0604	65%	0.0392	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	75 SEARS	0.0612	65%	0.0398	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	30 JOHNSON ST	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	84 LOMBARD	0.0767	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	291 MONROE	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	55 HOUGHTON	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	20 HARVEY	0.0364	65%	0.0236	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO026	209 STRAUSS	0.0953	65%	0.0619	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	246 LATHROP	0.0627	65%	0.0408	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	54 RUHLAND	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	272 STRAUSS	0.1971	65%	0.1281	Vacant Land	65	0.635	0.9	0.0094	0	0.050	0.9	0.0007	0.0086
CSO026	141 LIDDELL	0.1104	65%	0.0718	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO026	5 RUHLAND	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	54 C ST	0.1053	65%	0.0685	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	17 BROWN	0.0413	65%	0.0269	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO026	146 PERSON	0.0949	65%	0.0617	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	540 ADAMS	0.0637	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	473 SHERMAN	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	505 HOWARD	0.0818	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	168 LOMBARD	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	343 PADEREWSKI	0.0696	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	904 SMITH	0.0719	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	466 SWEET	0.0653	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	137 PLAYTER	0.0642	65%	0.0418	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	75 KOONS	0.0678	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	312 GOODYEAR	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	35 ST LOUIS AVE	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	182 GOODYEAR	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	382 MONROE	0.1452	65%	0.0944	Vacant Land	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0064
CSO026	847 PERRY	0.1025	65%	0.0666	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	246 WOLTZ	0.0828	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	194 LATHROP	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	93 MOSELLE	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	844 SOUTH PARK	0.2915	65%	0.1894	Vacant Land	65	0.635	0.9	0.0139	0	0.050	0.9	0.0011	0.0128

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	79 WASMUTH	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	25 SCHMARBECK	0.0645	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	192 HERMAN	0.0921	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	106 WOLTZ	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	59 KOONS	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	202 TOWNSEND	0.0705	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	47 SWEET	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	64 WILSON	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	202 PADEREWSKI	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	342 MONROE	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	126 SWEET	0.0687	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	34 WILSON	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	68 SWINBURNE	0.0810	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	230 TOWNSEND	0.0583	65%	0.0379	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	832 SMITH	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	48 REED	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	97 ELK	0.0314	65%	0.0204	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO026	70 RUHLAND	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	296 ROTHER	0.0653	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	287 LOEPERE	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	6 EMPIRE	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	904 NORTHAMPTON	0.0995	65%	0.0647	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO026	132 WALDEN	0.0905	65%	0.0588	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	1084 SYCAMORE	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	277 REED	0.0795	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	39 KEHR	0.1171	65%	0.0761	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO026	78 ST LOUIS AVE	0.0744	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	216 GREY	0.2344	65%	0.1524	Vacant Land	65	0.635	0.9	0.0112	0	0.050	0.9	0.0009	0.0103
CSO026	1325 SYCAMORE	0.0818	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	68 HARMONIA	0.0541	65%	0.0352	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	102 GOODYEAR	0.0688	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	254 LATHROP	0.0602	65%	0.0391	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	72 LIDDELL	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	281 WALDEN	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	58 OBERLIN	0.1067	65%	0.0693	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO026	261 MILLS	0.0852	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	76 KOSCIUSZKO	0.1336	65%	0.0869	Vacant Land	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO026	42 RUHLAND	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	30 B ST	0.0960	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	272 REED	0.0732	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	358 SHERMAN	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	56 SOBIESKI	0.0626	65%	0.0407	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	89 STRAUSS	0.0949	65%	0.0617	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	34 SCHMARBECK	0.0647	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	57 KOSCIUSZKO	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	45 KOONS	0.0639	65%	0.0415	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	39 FOX	0.0932	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	115 PLAYTER	0.0632	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	187 TOWNSEND	0.0674	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	60 KRUPP	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	103 LOMBARD	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	118 GIBSON	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	67 CLARK	0.0610	65%	0.0396	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	199 PADEREWSKI	0.0656	65%	0.0426	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	50 LOMBARD	0.0799	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	65 CLARE	0.0635	65%	0.0413	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	981 SMITH	0.0730	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	320 WILSON	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO026	144 ADAMS	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	90 LEDDY	0.0854	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	29 MARSHALL	0.1026	65%	0.0667	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	167 MOSELLE	0.0708	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	177 GOODYEAR	0.1198	65%	0.0779	Vacant Land	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0053
CSO026	24 RUHLAND	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	34 OBERLIN	0.1049	65%	0.0682	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	372 GIBSON	0.0770	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	54 GOODYEAR	0.0678	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	40 LOEPERE	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	19 ROTHER	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	126 PLAYTER	0.0617	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	266 SHERMAN	0.0739	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	86 ADAMS	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	144 CLARK	0.0610	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	114 PLAYTER	0.0642	65%	0.0417	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	68 KRUPP	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	195 COIT	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	34 MEMORIAL	0.0935	65%	0.0608	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	84 SWEET	0.0664	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	103 GIBSON	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	82 TOWNSEND	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	143 SWEET	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	36 LOMBARD	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	129 MONROE	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	247 FOX	0.1210	65%	0.0787	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0053
CSO026	41 KIEFER	0.0885	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	219 HERMAN	0.0945	65%	0.0614	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	263 ROTHER	0.0962	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	186 TITUS	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	827 NORTHAMPTON	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	123 BISSELL	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	32 B ST	0.1003	65%	0.0652	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	259 REED	0.0745	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	125 MILLER	0.1278	65%	0.0830	Vacant Land	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO026	22 SCHMARBECK	0.0643	65%	0.0418	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	499 HOWARD	0.0801	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	77 MILBURN	0.0905	65%	0.0589	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	263 SHERMAN	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	262 SHERMAN	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	189 TOWNSEND	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	28 MONROE	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	193 PADEREWSKI	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	453 EMSLIE	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	99 GRIMES	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO026	273 WATSON	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	86 TOWNSEND	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	105 THOMAS	0.0814	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	77 TOWNSEND	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	238 MADISON	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	200 HOWARD	0.0616	65%	0.0400	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	317 GOODYEAR	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	286 WOLTZ	0.0815	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	59 OBERLIN	0.1037	65%	0.0674	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0046
CSO026	24 ST LOUIS AVE	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	1104 SYCAMORE	0.0795	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	161 TITUS	0.0457	65%	0.0297	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO026	166 KOSCIUSZKO	0.0678	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	260 HERMAN	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	332 ROTHER	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	242 KOONS	0.0853	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	255 HERMAN	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	53 WASMUTH	0.0824	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	297 MILLS	0.0868	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	89 KOONS	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	63 LOEPERE	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	48 HARMONIA	0.0550	65%	0.0358	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	317 SWEET	0.0653	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	154 LOEPERE	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	531 SHERMAN	0.1019	65%	0.0662	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	64 RUHLAND	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	113 WOLTZ	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	50 ROMMEL	0.0621	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	126 STRAUSS	0.0984	65%	0.0640	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	240 LOEPERE	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	238 WOLTZ	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	51 HOUGHTON	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	1068 SMITH	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	256 BRISTOL	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	202 LOEPERE	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	122 OBERLIN	0.1031	65%	0.0670	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	15 BARDOL	0.0260	65%	0.0169	Vacant Land	65	0.635	0.9	0.0012	0	0.050	0.9	0.0001	0.0011
CSO026	120 KOONS	0.0664	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	84 PERSON	0.0936	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	42 HOUGHTON	0.0699	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	225 PADEREWSKI	0.0778	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	106 SWINBURNE	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	289 PECKHAM	0.0431	65%	0.0280	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO026	24 CLARK	0.0555	65%	0.0361	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	173 LOMBARD	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	47 KOONS	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	147 JOHNSON ST	0.0566	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	194 JOHNSON ST	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	276 DETROIT	0.0721	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	55 TOWNSEND	0.0636	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	80 PERSON	0.0929	65%	0.0604	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	42 KENT	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	72 CLARK	0.0675	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	311 PECKHAM	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	12 BOLTON	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	63 HARMONIA	0.0553	65%	0.0360	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	1226 GENESEE	0.1326	65%	0.0862	Vacant Land	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO026	101 KOONS	0.0694	65%	0.0451	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	207 GOODYEAR	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	78 LIDDELL	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	216 KOONS	0.0643	65%	0.0418	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	278 STRAUSS	0.0978	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	133 LIDDELL	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	530 WILSON	0.0879	65%	0.0571	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	89 HARMONIA	0.0518	65%	0.0337	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO026	1232 SYCAMORE	0.1088	65%	0.0707	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO026	58 WOLTZ	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	40 ROMMEL	0.0649	65%	0.0422	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	418 WILSON	0.0830	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO026	46 MARSHALL	0.1086	65%	0.0706	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO026	186 STANISLAUS	0.1413	65%	0.0918	Vacant Land	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO026	11 WASMUTH	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	412 GOODYEAR	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	457 SHERMAN	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	123 KOONS	0.0662	65%	0.0430	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	579 ADAMS	0.1168	65%	0.0759	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO026	45 ROTHER	0.0644	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	84 MONROE	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	54 KRUPP	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	81 HILTON	0.0608	65%	0.0395	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	85 ONEIDA	0.0992	65%	0.0645	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO026	243 SHERMAN	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	28 SWINBURNE	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	120 SWEET	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	447 MONROE	0.0623	65%	0.0405	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	41 WARREN	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	151 MADISON	0.0784	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	43 STANTON	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	101 CLARK	0.0626	65%	0.0407	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	227 TOWNSEND	0.0687	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	133 MONROE	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	80 REED	0.0800	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	51 EMPIRE	0.0472	65%	0.0307	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO026	17 ROTHER	0.0634	65%	0.0412	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	61 CORNELIA	0.0389	65%	0.0253	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0001	0.0017
CSO026	70 MILLER	0.0787	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO026	1 MILBURN	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	247 COIT	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	43 HOUGHTON	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	201 PADEREWSKI	0.1321	65%	0.0859	Vacant Land	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO026	20 WILSON	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	186 COIT	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	196 MADISON	0.0636	65%	0.0413	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	85 QUINCY	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	156 COIT	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	266 ROTHER	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	65 MOSELLE	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	64 HARMONIA	0.0569	65%	0.0370	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	99 GOODYEAR	0.0657	65%	0.0427	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	312 KOONS	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	43 HARMONIA	0.0552	65%	0.0359	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	255 LOEPERE	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	300 GOODYEAR	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	50 GITTERE	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	118 LIDDELL	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	40 HOWLETT	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	247 GUILFORD	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	146 LATHROP	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	213 GOODYEAR	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	283 LOEPERE	0.0742	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	1220 SYCAMORE	0.1073	65%	0.0698	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO026	272 LOEPERE	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	83 KOONS	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	888 SYCAMORE	0.1060	65%	0.0689	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	841 NORTHAMPTON	0.0618	65%	0.0402	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	165 JOHNSON ST	0.0750	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	37 MILLS	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	108 FOX	0.0935	65%	0.0608	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	120 PECK	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	155 STANISLAUS	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	45 MILLS	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	270 HERMAN	0.0761	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	206 SWEET	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	505 SHERMAN	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	143 SEARS	0.0634	65%	0.0412	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	274 COIT	0.0764	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	250 STANTON	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	226 PADEREWSKI	0.0779	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	182 TOWNSEND	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	479 ADAMS	0.0597	65%	0.0388	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	26 SWINBURNE	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	495 SHERMAN	0.1528	65%	0.0993	Vacant Land	65	0.635	0.9	0.0073	0	0.050	0.9	0.0006	0.0067
CSO026	118 HERMAN	0.0918	65%	0.0597	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	76 SOBIESKI	0.0627	65%	0.0407	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	236 SWEET	0.0688	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	77 CLARK	0.0599	65%	0.0389	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	97 WATSON	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	4 OLGA	0.0579	65%	0.0376	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO026	325 PECKHAM	0.0537	65%	0.0349	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	225 ADAMS	0.0761	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	39 CLARK	0.0625	65%	0.0406	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	41 ASHLEY	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	229 PLAYTER	0.0638	65%	0.0415	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	923 SMITH	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	83 PADEREWSKI	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	22 WILSON	0.1370	65%	0.0890	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO026	80 GUILFORD	0.0799	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	75 LOMBARD	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	112 ASHLEY	0.2521	65%	0.1639	Vacant Land	65	0.635	0.9	0.0120	0	0.050	0.9	0.0009	0.0111
CSO026	169 SMITH	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	421 SWEET	0.0660	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	257 WALDEN	0.0701	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	27 GITTERE	0.0733	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	409 SWEET	0.0647	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	156 TITUS	0.0640	65%	0.0416	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	102 BARTHEL	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	323 WOLTZ	0.0764	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	173 JOHNSON ST	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	53 LIDDELL	0.0730	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	259 SWEET	0.0817	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	266 SHUMWAY	0.0707	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	17 LYMAN	0.1137	65%	0.0739	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO026	125 SWEET	0.0667	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	145 LOMBARD	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	912 SMITH	0.0710	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	203 COIT	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	69 MILBURN	0.0913	65%	0.0593	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	187 SHUMWAY	0.0696	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	131 MOHR ST	0.0814	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	143 MONROE	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	400 MONROE	0.0603	65%	0.0392	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	160 LOMBARD	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	855 EAGLE EAST	0.1307	65%	0.0849	Vacant Land	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO026	32 HARMONIA	0.0494	65%	0.0321	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO026	202 MILLER	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	267 ROTHER	0.0960	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	291 LOEPERE	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	338 GOODYEAR	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	144 LATHROP	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	153 ROTHER	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	41 ST LOUIS AVE	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	16 MOSELLE	0.0895	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	40 GITTERE	0.0713	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	33 RUHLAND	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	17 OBERLIN	0.1049	65%	0.0682	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	125 GOODYEAR	0.0701	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	133 STRAUSS	0.0937	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	258 PERSON	0.1194	65%	0.0776	Vacant Land	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0052
CSO026	175 SEARS	0.0632	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	112 PLAYTER	0.0635	65%	0.0413	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	55 GIBSON	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	98 MILBURN	0.0936	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	56 PECK	0.0716	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	247 PADEREWSKI	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	306 MADISON	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	139 MONROE	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	35 STRAUSS	0.0963	65%	0.0626	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	53 SWEET	0.0699	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	345 GOODYEAR	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	346 GOODYEAR	0.0735	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	103 TITUS	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	142 LATHROP	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	257 SOBIESKI	0.0682	65%	0.0444	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	236 LATHROP	0.0614	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	188 TITUS	0.0616	65%	0.0400	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	935 NORTHAMPTON	0.0919	65%	0.0598	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	91 KEHR	0.1267	65%	0.0824	Vacant Land	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0056
CSO026	450 SWEET	0.0646	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	48 ST LOUIS AVE	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	206 STRAUSS	0.0980	65%	0.0637	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	1102 SYCAMORE	0.0850	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	394 KOONS	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	92 ST LOUIS AVE	0.0704	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	286 STRAUSS	0.0979	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	175 MILLER	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	853 FILLMORE	0.0840	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	16 BROWN	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	105 QUINCY	0.0708	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	77 LOEPERE	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	263 WATSON	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	46 HOUGHTON	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	122 SEARS	0.0615	65%	0.0400	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	225 MONROE	0.0773	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	54 TITUS	0.0770	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	263 DETROIT	0.0791	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	125 PLAYTER	0.0637	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	142 CLARK	0.0628	65%	0.0408	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	85 PERSON	0.0888	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	249 PADEREWSKI	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	231 ADAMS	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	39 TOWNSEND	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	126 PERSON	0.0904	65%	0.0588	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	15 NEWTON	0.0704	65%	0.0457	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	281 DETROIT	0.0795	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	196 GIBSON	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	107 THOMAS	0.0778	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	134 MADISON	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	16 OWAHN	0.0679	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	99 WOLTZ	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	1079 SMITH	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	83 ST LOUIS AVE	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	368 MADISON	0.1181	65%	0.0768	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO026	413 MADISON	0.0660	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	100 WOLTZ	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	101 KRETTNER	0.0727	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	178 TITUS	0.0682	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	1375 SYCAMORE	0.0815	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

						Pre-Conditions				Post-Conditions				
CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	Runoff Reduction (acre-feet)
CSO026	573 JEFFERSON	0.0704	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	314 MONROE	0.1506	65%	0.0979	Vacant Land	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0066
CSO026	293 MADISON	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	289 MADISON	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	1400 BROADWAY	0.0894	65%	0.0581	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO026	703 BROADWAY	0.0632	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	1327 BROADWAY	0.0986	65%	0.0641	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	312 MONROE	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	1452 BROADWAY	0.0878	65%	0.0571	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	1065 SYCAMORE	0.0917	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	686 SYCAMORE	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	692 WILLIAM	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	361 PECKHAM	0.0470	65%	0.0305	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO026	705 BROADWAY	0.0778	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	485 HOWARD	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	5 DESHLER	0.1044	65%	0.0678	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	10 OWAHN	0.1012	65%	0.0658	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	18 BENDER	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	74 MILBURN	0.0960	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	189 PLAYTER	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	264 PECKHAM	0.0879	65%	0.0571	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	60 LOMBARD	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	568 HOWARD	0.1462	65%	0.0950	Vacant Land	65	0.635	0.9	0.0070	0	0.050	0.9	0.0005	0.0064
CSO026	90 KOONS	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	38 EMPIRE	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	152 WOLTZ	0.0778	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	259 LOEPERE	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	160 GOODYEAR	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	276 REED	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	275 REED	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	6 RUHLAND	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	120 GITTERE	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	188 PERSON	0.0675	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	183 GREY	0.1103	65%	0.0717	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO026	16 KOONS	0.0589	65%	0.0383	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	253 TOWNSEND	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	127 SWEET	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	37 GIBSON	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	27 HOUGHTON	0.0781	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	21 HERMAN	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	115 GIBSON	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	94 SHERMAN	0.0719	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	106 ASHLEY	0.0858	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	185 LOMBARD	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	61 WASMUTH	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	58 HARMONIA	0.0550	65%	0.0357	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	220 MILLER	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	280 ROTHER	0.0640	65%	0.0416	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	191 GOODYEAR	0.0657	65%	0.0427	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	263 WOLTZ	0.0814	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	230 LATHROP	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	183 MILLER	0.0670	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	249 MILLS	0.0852	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	111 LIDDELL	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	25 GOODYEAR	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	344 WILSON	0.0802	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	245 PERSON	0.0634	65%	0.0412	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	191 SWEET	0.0653	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	93 GUILFORD	0.0793	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	201 TOWNSEND	0.0682	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	51 ONEIDA	0.1003	65%	0.0652	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	190 TOWNSEND	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	140 CLARK	0.0621	65%	0.0403	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	126 SHUMWAY	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	253 ADAMS	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	150 WILSON	0.0634	65%	0.0412	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	458 FILLMORE	0.1325	65%	0.0861	Vacant Land	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO026	207 ADAMS	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	81 HERMAN	0.0822	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	137 STANTON	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	69 HERMAN	0.0814	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	29 SWEET	0.0710	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	47 IVY	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	220 GOODYEAR	0.0673	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	259 WOLTZ	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	248 LOEPERE	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	306 WALDEN	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	211 WALDEN	0.0804	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	8 GITTERE	0.0725	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	7 GITTERE	0.0719	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	373 KOONS	0.0850	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	161 FOX	0.0429	65%	0.0279	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO026	263 COIT	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	935 SMITH	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	171 PADEREWSKI	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	88 CLARK	0.0627	65%	0.0407	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	26 CLARE	0.0653	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	35 KENT	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	105 GRIMES	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	81 LOMBARD	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	379 PECKHAM	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	86 PECK	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	56 SWINBURNE	0.0800	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	82 PECK	0.0685	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	70 PECK	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	502 WILSON	0.0903	65%	0.0587	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	337 GOODYEAR	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	106 RUHLAND	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	542 SHERMAN	0.0764	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	920 NORTHAMPTON	0.0844	65%	0.0549	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	1156 SYCAMORE	0.0908	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	196 LATHROP	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	58 HOWLETT	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	1286 GENESEE	0.0810	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	170 GREY	0.1184	65%	0.0769	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO026	49 DESHLER	0.0913	65%	0.0593	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	46 MILLER	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	35 TITUS	0.0687	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	93 STRAUSS	0.0979	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	43 ROMMEL	0.0634	65%	0.0412	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	46 LATHROP	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	205 PLAYTER	0.0642	65%	0.0417	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	837 SOUTH PARK	0.0701	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	53 GIBSON	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	333 WATSON	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	250 WILSON	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	301 COIT	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	69 GIBSON	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	31 STANTON	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	484 HOWARD	0.0790	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	216 TITUS	0.0664	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	226 MILLER	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	321 KOONS	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	138 LATHROP	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	85 KOONS	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	38 IVY	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	1247 FILLMORE	0.0827	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	196 MILLER	0.0693	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	251 MILLS	0.0877	65%	0.0570	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO026	56 BARDOL	0.0890	65%	0.0578	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	283 HERMAN	0.2007	65%	0.1304	Vacant Land	65	0.635	0.9	0.0096	0	0.050	0.9	0.0008	0.0088
CSO026	118 REED	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	260 PERSON	0.1115	65%	0.0725	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO026	688 JEFFERSON	0.1381	65%	0.0898	Vacant Land	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO026	59 GOODYEAR	0.0281	65%	0.0183	Vacant Land	65	0.635	0.9	0.0013	0	0.050	0.9	0.0001	0.0012

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	21 TITUS	0.0666	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	268 DETROIT	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	140 SEARS	0.0604	65%	0.0392	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	254 COIT	0.0739	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	72 KRUPP	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	425 MADISON	0.0544	65%	0.0354	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	521 MONROE	0.0604	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	66 CLARK	0.0579	65%	0.0376	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO026	102 CLARK	0.0641	65%	0.0416	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	99 ASHLEY	0.0838	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	127 ASHLEY	0.0660	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	223 MILLER	0.0676	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	260 LATHROP	0.0620	65%	0.0403	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	16 EMPIRE	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	123 LATHROP	0.1194	65%	0.0776	Vacant Land	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0052
CSO026	170 GOODYEAR	0.0674	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	1106 SYCAMORE	0.1272	65%	0.0827	Vacant Land	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO026	560 WILSON	0.0916	65%	0.0595	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	250 STRAUSS	0.0981	65%	0.0638	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	485 SWEET	0.0643	65%	0.0418	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	121 TITUS	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	530 ADAMS	0.0613	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	184 STRAUSS	0.1013	65%	0.0659	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	248 SWEET	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	29 SCHMARBECK	0.0637	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	65 SOBIESKI	0.0658	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	262 DETROIT	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	249 SHUMWAY	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	20 LOMBARD	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	457 ADAMS	0.0585	65%	0.0380	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO026	28 GIBSON	0.0801	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	64 PERSON	0.0874	65%	0.0568	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO026	77 SEARS	0.0623	65%	0.0405	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	177 PLAYTER	0.0670	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	279 WATSON	0.0493	65%	0.0320	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0022
CSO026	61 ASHLEY	0.0759	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	53 HOUGHTON	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	453 SWEET	0.0639	65%	0.0415	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	218 TITUS	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	267 LOEPERE	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	265 WOLTZ	0.0676	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	52 RUHLAND	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	46 RUHLAND	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	34 RUHLAND	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	129 RUHLAND	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	93 BARTHEL	0.0790	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	254 REED	0.0786	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	87 STRAUSS	0.0973	65%	0.0633	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	344 GOODYEAR	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	224 STRAUSS	0.0965	65%	0.0627	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	288 ROTHER	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	537 SHERMAN	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	74 KOONS	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	38 BARTHEL	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	338 WALDEN	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	20 IVY	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	889 NORTHAMPTON	0.1659	65%	0.1078	Vacant Land	65	0.635	0.9	0.0079	0	0.050	0.9	0.0006	0.0073
CSO026	231 MILLS	0.0823	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	38 GITTERE	0.0722	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	20 OBERLIN	0.1029	65%	0.0669	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	61 B ST	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	62 HOWLETT	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	239 STRAUSS	0.0853	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO026	84 ST LOUIS AVE	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	83 LIDDELL	0.0733	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	119 LATHROP	0.1234	65%	0.0802	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO026	41 GOODYEAR	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	219 JOHNSON ST	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	28 TITUS	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	172 FOX	0.0943	65%	0.0613	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	39 TITUS	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	769 SYCAMORE	0.0730	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	42 PECK	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	207 PLAYTER	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	76 MILBURN	0.0978	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	43 WARREN	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	212 PADEREWSKI	0.0721	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	93 LOMBARD	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	95 COIT	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	338 WILSON	0.0837	65%	0.0544	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	128 PERSON	0.0926	65%	0.0602	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	281 COIT	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	179 COIT	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	336 WILSON	0.0827	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	409 MONROE	0.0628	65%	0.0409	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	123 ASHLEY	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	60 HOUGHTON	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	56 HOUGHTON	0.0675	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	100 ELK	0.2730	65%	0.1774	Vacant Land	65	0.635	0.9	0.0130	0	0.050	0.9	0.0010	0.0120
CSO026	56 HARMONIA	0.0547	65%	0.0356	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	22 HOWLETT	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	147 KOSCIUSZKO	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	283 ROTHER	0.0963	65%	0.0626	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO026	92 MILLER	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	210 MILLER	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	61 RUHLAND	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	411 KOONS	0.0861	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	216 STRAUSS	0.1223	65%	0.0795	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO026	63 A ST	0.0767	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	131 RUHLAND	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	178 LATHROP	0.0685	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	256 REED	0.0800	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	288 LATHROP	0.0599	65%	0.0389	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	12 BRIGHTON	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	246 WILSON	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	303 COIT	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	109 CLARE	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	307 PADEREWSKI	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	1023 SMITH	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	161 KOSCIUSZKO	0.0678	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	211 TITUS	0.0673	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	205 GOODYEAR	0.0673	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	32 HOUGHTON	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	112 LOMBARD	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	142 JAMES	0.0662	65%	0.0430	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	898 SMITH	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	524 MONROE	0.0617	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	278 LOEPERE	0.0772	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	282 WOLTZ	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	150 STANISLAUS	0.0767	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	66 OBERLIN	0.1078	65%	0.0701	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO026	398 GOODYEAR	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	35 GITTERE	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	158 TITUS	0.0670	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	240 WILSON	0.0699	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	12 TOWNSEND	0.0544	65%	0.0354	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO026	279 COIT	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	180 CLARK	0.0615	65%	0.0400	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	32 GITTERE	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	60 BARDOL	0.0830	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO026	1358 SYCAMORE	0.0647	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	14 GITTERE	0.0730	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	202 PERSON	0.0628	65%	0.0408	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	60 WOLTZ	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	80 DESHLER	0.0798	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	25 SOBIESKI	0.0659	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	229 PERSON	0.0635	65%	0.0413	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	42 TITUS	0.0778	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	102 SWINBURNE	0.0767	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	260 BRISTOL	0.0688	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	236 MADISON	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	939 SMITH	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	29 GIBSON	0.0763	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	904 EAGLE EAST	0.0701	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	878 SMITH	0.0694	65%	0.0451	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	109 GIBSON	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	949 SMITH	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	932 SMITH	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	1029 CLINTON	0.0817	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	75 IVY	0.0772	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	238 GUILFORD	0.0923	65%	0.0600	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	462 WILSON	0.0792	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	916 SYCAMORE	0.0991	65%	0.0644	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	265 LOEPERE	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	25 MOSELLE	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	793 NORTHAMPTON	0.0654	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	98 WALDEN	0.0972	65%	0.0632	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	369 WALDEN	0.0651	65%	0.0423	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	247 MILLS	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	1072 SYCAMORE	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	134 RUHLAND	0.0881	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	102 IVY	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	180 JOHNSON ST	0.1525	65%	0.0991	Vacant Land	65	0.635	0.9	0.0073	0	0.050	0.9	0.0006	0.0067
CSO026	20 SCHMARBECK	0.0650	65%	0.0423	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	250 DETROIT	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	113 PLAYTER	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	53 CLARE	0.0615	65%	0.0400	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	98 JAMES	0.0661	65%	0.0430	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	76 LOMBARD	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	146 ASHLEY	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	146 CLARK	0.0643	65%	0.0418	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	443 SWEET	0.0637	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	195 STRAUSS	0.0932	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO026	131 SOBIESKI	0.0663	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	882 NORTHAMPTON	0.0974	65%	0.0633	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO026	939 NORTHAMPTON	0.0950	65%	0.0618	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO026	1125 SYCAMORE	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	241 MILLS	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO026	155 TITUS	0.0563	65%	0.0366	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	137 GITTERE	0.0339	65%	0.0220	Vacant Land	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0015

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	99 IVY	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	92 BARTHEL	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	88 HARMONIA	0.0557	65%	0.0362	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0024
CSO026	89 ST LOUIS AVE	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	23 SCHMARBECK	0.0600	65%	0.0390	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	38 KOONS	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	68 KOSCIUSZKO	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	44 SCHMARBECK	0.0658	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	245 SWEET	0.0653	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	115 SHERMAN	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	23 WATSON	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	515 MADISON	0.0617	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	36 DESHLER	0.0809	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO026	54 HOUGHTON	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	57 HERMAN	0.0795	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	1041 CLINTON	0.1556	65%	0.1011	Vacant Land	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO026	158 SMITH	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	235 LATHROP	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	294 LOEPERE	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	330 KOONS	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	445 SWEET	0.0658	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	464 WILSON	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	40 RUHLAND	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	44 BARDOL	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	100 BARTHEL	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	183 KOSCIUSZKO	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	366 KOONS	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	132 GOODYEAR	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	142 GREY	0.1058	65%	0.0687	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO026	170 REED	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	836 FILLMORE	0.0913	65%	0.0593	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	41 LIDDELL	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	263 HOWARD	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	250 SHERMAN	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	170 PADEREWSKI	0.0682	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	109 PLAYTER	0.0648	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	445 MONROE	0.0612	65%	0.0398	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	135 MILBURN	0.0882	65%	0.0573	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	236 TOWNSEND	0.0710	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	158 ASHLEY	0.0664	65%	0.0431	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	30 ASHLEY	0.0528	65%	0.0343	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO026	26 BRIGHTON	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	185 ASHLEY	0.0742	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	165 ROTHER	0.0666	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	67 BARTHEL	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	436 SWEET	0.0632	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	33 KIEFER	0.0906	65%	0.0589	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO026	25 BARTHEL	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	24 ROETZER	0.0913	65%	0.0594	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO026	132 RUHLAND	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	42 ROTHER	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	517 MADISON	0.0628	65%	0.0408	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	233 STANISLAUS	0.0676	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	100 REED	0.0802	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	16 OLGA	0.0564	65%	0.0367	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO026	83 ONEIDA	0.0664	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	135 STANTON	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	123 SEARS	0.0620	65%	0.0403	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	53 WILSON	0.0517	65%	0.0336	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO026	51 TOWNSEND	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	208 KRETTNER	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	97 CLARK	0.0613	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	16 GREY	0.0426	65%	0.0277	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO026	120 PERSON	0.0939	65%	0.0610	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO026	90 PECK	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	48 ASHLEY	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	150 COIT	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	133 ASHLEY	0.0579	65%	0.0377	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO026	916 EAGLE EAST	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO026	37 OWAHN	0.0705	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	103 GOODYEAR	0.0673	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	112 MILLER	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	26 HOWLETT	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	1263 SYCAMORE	0.0887	65%	0.0576	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO026	308 KOONS	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	58 RUHLAND	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	178 MILLER	0.0668	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO026	270 STRAUSS	0.0978	65%	0.0635	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	29 RUHLAND	0.0764	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO026	182 LATHROP	0.0684	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	176 LATHROP	0.0675	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO026	121 RUHLAND	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	237 LATHROP	0.0517	65%	0.0336	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO026	40 ROTHER	0.0687	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO026	255 PERSON	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO026	126 BECK	0.1062	65%	0.0690	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO026	496 FILLMORE	0.1291	65%	0.0839	Vacant Land	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0057
CSO026	137 KRETTNER	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	247 KRETTNER	0.0719	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	364 EMSLIE	0.0815	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO026	89 MOHR ST	0.0840	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	321 MADISON	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	96 COIT	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	340 WILSON	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	78 LOMBARD	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO026	60 ASHLEY	0.0756	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	324 WILSON	0.0850	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	21 KRETTNER	0.0600	65%	0.0390	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO026	49 HOWARD	0.0614	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	36 HOWLETT	0.0721	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	54 WASMUTH	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	220 GUILFORD	0.0805	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	942 NORTHAMPTON	0.0978	65%	0.0636	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO026	1132 SYCAMORE	0.0876	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO026	35 RUHLAND	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	20 GITTERE	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO026	76 WASMUTH	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO026	52 SWINBURNE	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	23 GOODYEAR	0.0649	65%	0.0422	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO026	243 EMSLIE	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	188 GIBSON	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	926 SMITH	0.0719	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	234 SHUMWAY	0.0998	65%	0.0649	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	221 PLAYTER	0.0632	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	209 PLAYTER	0.0658	65%	0.0428	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	452 EMSLIE	0.0867	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	310 WATSON	0.0744	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	342 EMSLIE	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO026	810 WILLIAM	0.0529	65%	0.0344	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO026	225 TOWNSEND	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO026	212 ADAMS	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO026	119 MILLS	0.0833	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	163 WALDEN	0.1027	65%	0.0667	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO026	300 MONROE	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO026	775 SYCAMORE	0.1006	65%	0.0654	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO026	235 PADEREWSKI	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO026	589 JEFFERSON	0.0639	65%	0.0415	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	725 JEFFERSON	0.0627	65%	0.0408	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO026	627 BROADWAY	0.0655	65%	0.0426	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO026	1391 BROADWAY	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO026	1002 SYCAMORE	0.0605	65%	0.0393	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO026	34 LIDDELL	0.0719	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO026	241 PERSON	0.0638	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO027	166 GILBERT	0.0887	90%	0.0798	Commercial	90	0.860	0.9	0.0057	0	0.050	0.9	0.0003	0.0054
CSO027	1312 CLINTON	0.0891	90%	0.0802	Commercial	90	0.860	0.9	0.0057	0	0.050	0.9	0.0003	0.0054

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO027	1221 CLINTON	0.8596	90%	0.7737	Commercial	90	0.860	0.9	0.0554	0	0.050	0.9	0.0032	0.0522
CSO027	17 TROUPE	0.0890	65%	0.0578	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	132 WALTER	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO027	213 ORLANDO	0.0951	65%	0.0618	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO027	247 BABCOCK	0.0846	65%	0.0550	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO027	6 MILTON	0.0657	65%	0.0427	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO027	205 MAURICE	0.0762	65%	0.0495	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO027	253 BABCOCK	0.1715	65%	0.1114	Detached Residential	65	0.635	0.9	0.0082	0	0.050	0.9	0.0006	0.0075
CSO027	295 BABCOCK	0.0841	65%	0.0547	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO027	106 WALTER	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO027	15 MILTON	0.0866	65%	0.0563	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO027	25 BRADFORD	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO027	162 GILBERT	0.0915	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO027	23 LESTER	0.1806	65%	0.1174	Detached Residential	65	0.635	0.9	0.0086	0	0.050	0.9	0.0007	0.0079
CSO027	128 WALTER	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO027	131 WALTER	0.0750	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO027	12 MILTON	0.0797	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO027	144 IMSON	0.0905	65%	0.0589	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO027	102 WALTER	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO027	651 HOWARD	0.1439	65%	0.0935	Detached Residential	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0063
CSO027	31 TROUPE	0.0852	65%	0.0554	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO027	31 LESTER	0.0886	65%	0.0576	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	28 OAKDALE	0.0599	65%	0.0390	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO027	1228 CLINTON	0.0619	65%	0.0403	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO027	117 ORLANDO	0.0868	65%	0.0564	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO027	1230 CLINTON	0.0865	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO027	1237 CLINTON	0.0860	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO027	383 BABCOCK	4.5052	5%	0.2253	Vacant Land	5	0.095	0.9	0.0321	0	0.050	0.9	0.0169	0.0152
CSO027	64 HAYES	0.2453	5%	0.0123	Vacant Land	5	0.095	0.9	0.0017	0	0.050	0.9	0.0009	0.0008
CSO027	615 HOWARD	0.0671	65%	0.0436	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO027	140 WALTER	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO027	57 MANITOBA	0.0891	65%	0.0579	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	211 SCOVILLE	0.0911	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO027	195 BABCOCK	0.0844	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO027	49 IMSON	0.0772	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO027	109 WALTER	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO027	123 BUSHNELL	0.0859	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO027	1328 CLINTON	0.0888	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	187 MAURICE	0.0767	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO027	115 WALTER	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO027	150 BAITZ	0.0922	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO027	1226 CLINTON	0.0631	65%	0.0410	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO027	109 SCOVILLE	0.0867	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO027	14 LESTER	0.0916	65%	0.0595	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO027	153 SCOVILLE	0.0896	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO027	200 BAITZ	0.0877	65%	0.0570	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO027	129 SCOVILLE	0.0911	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO027	194 BABCOCK	0.0980	65%	0.0637	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO027	154 BAITZ	0.0892	65%	0.0580	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	217 MAURICE	0.0500	65%	0.0325	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO027	109 MAURICE	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO027	128 IMSON	0.0870	65%	0.0566	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO027	57 IMSON	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO027	56 IMSON	0.0880	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	217 ORLANDO	0.0944	65%	0.0613	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO027	105 WALTER	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO027	101 WALTER	0.1392	65%	0.0905	Vacant Land	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO027	491 BABCOCK	0.0911	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO027	227 WINONA	0.0727	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO027	195 MAURICE	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO027	36 LESTER	0.0884	65%	0.0574	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	218 ORLANDO	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO027	19 TROUPE	0.0891	65%	0.0579	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	194 BAITZ	0.0884	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO027	207 MAURICE	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO027	414 ELK	0.0790	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO027	114 BAITZ	0.0935	65%	0.0608	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO028	1593 SOUTH PARK	0.1223	90%	0.1101	Commercial	90	0.860	0.9	0.0079	0	0.050	0.9	0.0005	0.0074
CSO028	1537 SOUTH PARK	0.1088	90%	0.0979	Commercial	90	0.860	0.9	0.0070	0	0.050	0.9	0.0004	0.0066
CSO028	1566 SOUTH PARK	0.0986	90%	0.0887	Commercial	90	0.860	0.9	0.0064	0	0.050	0.9	0.0004	0.0060
CSO028	85 SPAULDING	0.0680	65%	0.0442	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO028	330 MYSTIC	0.0845	65%	0.0549	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO028	577 HOPKINS	0.0944	65%	0.0614	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO028	670 HOPKINS	0.0694	65%	0.0451	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO028	343 ABBY	0.0856	65%	0.0556	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO028	506 MARILLA	0.0853	65%	0.0555	None	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO028	327 GERMANIA	0.0822	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO028	329 GERMANIA	0.0824	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO028	1607 SOUTH PARK	0.0841	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO028	635 HOPKINS	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO028	10 BOONE	0.1004	65%	0.0653	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO028	345 MYSTIC	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO028	141 ALTRURIA	0.0928	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO028	31 GARVEY	0.0702	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO028	7 DOWNING	0.0513	65%	0.0333	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO028	626 HOPKINS	0.0868	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO028	1445 SOUTH PARK	0.1574	65%	0.1023	Vacant Land	65	0.635	0.9	0.0075	0	0.050	0.9	0.0006	0.0069
CSO028	15 BELL	0.1826	65%	0.1187	Vacant Land	65	0.635	0.9	0.0087	0	0.050	0.9	0.0007	0.0080
CSO028	350 MYSTIC	0.0841	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO028	619 HOPKINS	0.0843	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO028	69 LADNER	0.0891	65%	0.0579	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO028	348 MYSTIC	0.0819	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO028	49 TROWBRIDGE	0.0955	65%	0.0621	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO028	74 CRYSTAL	0.1267	65%	0.0823	Vacant Land	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0056
CSO028	337 GERMANIA	0.1049	65%	0.0682	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO028	209 LADNER	0.1370	65%	0.0890	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO028	59 HOUSTON	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO028	36 ALDRICH	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO028	36 SHEFFIELD	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO028	57 SPAULDING	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO028	195 ABBY	0.0648	65%	0.0421	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO028	17 DOWNING	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO028	135 OKELL	0.2126	65%	0.1382	Vacant Land	65	0.635	0.9	0.0101	0	0.050	0.9	0.0008	0.0093
CSO028	25 WHITFIELD	0.0795	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO028	139 LADNER	0.1124	65%	0.0731	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0049
CSO028	24 PRIES	0.1037	65%	0.0674	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO029	1320 SOUTH PARK	0.0553	90%	0.0498	Commercial	90	0.860	0.9	0.0036	0	0.050	0.9	0.0002	0.0034
CSO029	1378 SOUTH PARK	0.0991	65%	0.0644	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO033	63 HUBBARD	0.1428	90%	0.1285	Commercial	90	0.860	0.9	0.0092	0	0.050	0.9	0.0005	0.0087
CSO033	614 WALDEN	0.0703	90%	0.0633	Commercial	90	0.860	0.9	0.0045	0	0.050	0.9	0.0003	0.0043
CSO033	618 WALDEN	0.0581	90%	0.0523	Commercial	90	0.860	0.9	0.0037	0	0.050	0.9	0.0002	0.0035
CSO033	1868 CLINTON	0.1064	90%	0.0958	Commercial	90	0.860	0.9	0.0069	0	0.050	0.9	0.0004	0.0065
CSO033	1634 BROADWAY	0.0891	90%	0.0802	Commercial	90	0.860	0.9	0.0057	0	0.050	0.9	0.0003	0.0054
CSO033	552 WALDEN	0.0918	90%	0.0827	Commercial	90	0.860	0.9	0.0059	0	0.050	0.9	0.0003	0.0056
CSO033	1640 BROADWAY	0.1687	90%	0.1519	Commercial	90	0.860	0.9	0.0109	0	0.050	0.9	0.0006	0.0102
CSO033	160 KEYSTONE	0.1595	90%	0.1436	Commercial	90	0.860	0.9	0.0103	0	0.050	0.9	0.0006	0.0097
CSO033	642 WALDEN	0.0903	90%	0.0812	Commercial	90	0.860	0.9	0.0058	0	0.050	0.9	0.0003	0.0055
CSO033	1580 BAILEY	0.1725	90%	0.1552	Commercial	90	0.860	0.9	0.0111	0	0.050	0.9	0.0006	0.0105
CSO033	908 WALDEN	0.0808	90%	0.0728	Commercial	90	0.860	0.9	0.0052	0	0.050	0.9	0.0003	0.0049
CSO033	1630 BROADWAY	0.1688	90%	0.1519	Commercial	90	0.860	0.9	0.0109	0	0.050	0.9	0.0006	0.0103
CSO033	755 WALDEN	0.3018	65%	0.1962	Commercial	65	0.635	0.9	0.0144	0	0.050	0.9	0.0011	0.0132
CSO033	1351 BAILEY	2.3605	40%	0.9442	Community Service / Institutional	40	0.410	0.9	0.0726	0	0.050	0.9	0.0089	0.0637
CSO033	1527 SENECA	0.1003	56%	0.0562	Detached Residential	56	0.554	0.9	0.0042	0	0.050	0.9	0.0004	0.0038
CSO033	672 WALDEN	0.0911	56%	0.0510	Detached Residential	56	0.554	0.9	0.0038	0	0.050	0.9	0.0003	0.0034
CSO033	31 GOEMBEL	0.1055	65%	0.0686	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO033	321 LONGNECKER	0.1537	65%	0.0999	Detached Residential	65	0.635	0.9	0.0073	0	0.050	0.9	0.0006	0.0067
CSO033	249 IDEAL	0.0915	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO033	99 SHEPARD	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	126 HIRSCHBECK	0.0806	65%	0.0524	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	397 LONGNECKER	0.1172	65%	0.0762	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO033	27 SCHUTRUM	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	12 KEYSTONE	0.0709	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	75 HIRSCHBECK	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	873 LOVEJOY	0.0859	65%	0.0559	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	79 WOOD	0.0741	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	186 BRINKMAN	0.0816	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	57 GREENE	0.0799	65%	0.0520	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	30 REIMAN	0.0768	65%	0.0499	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	43 SUMNER	0.0968	65%	0.0629	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO033	89 BOGARDUS	0.0959	65%	0.0624	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO033	187 BRINKMAN	0.0842	65%	0.0547	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	708 WALDEN	0.0712	65%	0.0463	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	28 GOEMBEL	0.0689	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	78 MORELAND	0.1694	65%	0.1101	Detached Residential	65	0.635	0.9	0.0081	0	0.050	0.9	0.0006	0.0074
CSO033	287 SUMNER	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	184 BRINKMAN	0.0877	65%	0.0570	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO033	103 KEYSTONE	0.0731	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	66 IDEAL	0.0759	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	34 GOEMBEL	0.0705	65%	0.0458	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	36 GOEMBEL	0.0696	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	98 BURGARD	0.0931	65%	0.0605	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO033	113 ST JOSEPH	0.0846	65%	0.0550	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	107 GATCHELL	0.0819	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	354 IDEAL	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	96 GOEMBEL	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO033	50 GOEMBEL	0.0724	65%	0.0471	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO033	1666 WILLIAM	0.1531	65%	0.0995	Detached Residential	65	0.635	0.9	0.0073	0	0.050	0.9	0.0006	0.0067
CSO033	201 SUMNER	0.0841	65%	0.0547	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	1801 BAILEY	0.0958	65%	0.0623	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO033	169 KEYSTONE	0.0798	65%	0.0519	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	111 ST JOSEPH	0.0987	65%	0.0642	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO033	82 BOGARDUS	0.0864	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	220 SUMNER	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO033	210 BRINKMAN	0.0831	65%	0.0540	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO033	75 GOEMBEL	0.0948	65%	0.0616	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO033	274 LONGNECKER	0.0830	65%	0.0539	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO033	94 SHEPARD	0.0745	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO033	49 BAITZ	0.0897	65%	0.0583	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO033	97 SHEPARD	0.0775	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	132 SCHUTRUM	0.1074	65%	0.0698	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO033	52 SHEPARD	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	1935 BAILEY	0.0819	65%	0.0533	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	181 SUMNER	0.0895	65%	0.0582	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO033	705 WALDEN	0.1136	65%	0.0738	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO033	109 GATCHELL	0.0696	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	122 MAY	0.1396	65%	0.0907	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO033	87 GOEMBEL	0.0914	65%	0.0594	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO033	115 HIRSCHBECK	0.0738	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	48 GOEMBEL	0.0709	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	75 WEAVER	0.0781	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	144 BRINKMAN	0.0510	65%	0.0332	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO033	51 SHEPARD	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	44 HIRSCHBECK	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	16 HIRSCHBECK	0.1035	65%	0.0673	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO033	123 SCHUTRUM	0.1578	65%	0.1026	Detached Residential	65	0.635	0.9	0.0075	0	0.050	0.9	0.0006	0.0069
CSO033	14 BRINKMAN	0.0800	65%	0.0520	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	74 SHEPARD	0.1281	65%	0.0833	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO033	6 KEYSTONE	0.1292	65%	0.0840	Detached Residential	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO033	88 SHEPARD	0.0761	65%	0.0495	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	55 BAITZ	0.0894	65%	0.0581	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO033	675 OGDEN SOUTH	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	65 LONGNECKER	0.0811	65%	0.0527	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	114 GOEMBEL	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	231 MAY	0.0712	65%	0.0463	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	73 WOOD	0.0735	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	133 HIRSCHBECK	0.2046	65%	0.1330	Detached Residential	65	0.635	0.9	0.0097	0	0.050	0.9	0.0008	0.0090
CSO033	25 HIRSCHBECK	0.0748	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	1904 CLINTON	0.1105	65%	0.0718	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO033	1971 CLINTON	0.0932	65%	0.0606	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO033	17 LITTELL	0.0838	65%	0.0545	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	122 GATCHELL	0.0776	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	200 BRINKMAN	0.0828	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	18 ARCHER	0.1241	65%	0.0807	Detached Residential	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO033	235 IDEAL	0.1418	65%	0.0922	Detached Residential	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0062
CSO033	281 SUMNER	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	235 WOOD	0.0693	65%	0.0450	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	171 MAY	0.0636	65%	0.0414	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO033	51 FAY	0.0851	65%	0.0553	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO033	149 KEYSTONE	0.0806	65%	0.0524	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	117 ST JOSEPH	0.0696	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	79 MAY	0.0853	65%	0.0554	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO033	56 KIRKOVER	0.0830	65%	0.0540	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO033	30 SHEPARD	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	93 WOOD	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	701 WALDEN	0.1099	65%	0.0714	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO033	78 BURGARD	0.0931	65%	0.0605	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO033	23 GATCHELL	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	1704 BAILEY	0.0795	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	273 MAY	0.0734	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	103 FAY	0.0997	65%	0.0648	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO033	163 BRINKMAN	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	246 KEYSTONE	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	286 SUMNER	0.0791	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	78 MAY	0.0851	65%	0.0553	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO033	706 WALDEN	0.0714	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	102 ST JOSEPH	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	73 ST JOSEPH	0.0844	65%	0.0549	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	23 RAPIN	0.0773	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	22 SHEPARD	0.0761	65%	0.0495	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	306 CABLE	0.0698	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	121 ST JOSEPH	0.1012	65%	0.0658	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO033	54 HIRSCHBECK	0.0760	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	214 MAY	0.0808	65%	0.0525	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	254 MAY	0.0744	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO033	88 GOEMBEL	0.0711	65%	0.0462	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	69 MAY	0.0839	65%	0.0545	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	95 ST JOSEPH	0.0833	65%	0.0542	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	197 BRINKMAN	0.1806	65%	0.1174	Detached Residential	65	0.635	0.9	0.0086	0	0.050	0.9	0.0007	0.0079
CSO033	103 SHEPARD	0.0772	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	1694 BAILEY	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	44 SHEPARD	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	55 GATCHELL	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	209 BRINKMAN	0.0723	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO033	224 MAY	0.0782	65%	0.0508	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	171 BRINKMAN	0.0791	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	272 MAY	0.0679	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO033	1946 BAILEY	0.1340	65%	0.0871	Detached Residential	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO033	124 MAY	0.0573	65%	0.0373	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO033	67 FAY	0.0824	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	102 SHEPARD	0.1521	65%	0.0989	Detached Residential	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0067
CSO033	22 GATCHELL	0.0777	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	174 MAY	0.0760	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	87 SHEPARD	0.0801	65%	0.0521	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	43 GOEMBEL	0.1065	65%	0.0692	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO033	62 SHEPARD	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO033	42 SHEPARD	0.0754	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	1650 BAILEY	0.0756	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	1921 BAILEY	0.0820	65%	0.0533	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	144 KEYSTONE	0.0781	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	72 ST JOSEPH	0.0872	65%	0.0567	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO033	83 GATCHELL	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	92 BURGARD	0.0929	65%	0.0604	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO033	109 HIRSCHBECK	0.0776	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	254 KEYSTONE	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	109 WOOD	0.0721	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO033	58 HIRSCHBECK	0.0768	65%	0.0499	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	154 KEYSTONE	0.0793	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	71 MAY	0.0866	65%	0.0563	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	93 ARMBRUSTER	0.0923	65%	0.0600	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO033	205 KEYSTONE	0.0822	65%	0.0534	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	205 BRINKMAN	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	100 WOOD	0.0721	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO033	106 GATCHELL	0.0753	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	153 BRINKMAN	0.0790	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	130 SCHUTRUM	0.2083	65%	0.1354	Detached Residential	65	0.635	0.9	0.0099	0	0.050	0.9	0.0008	0.0091
CSO033	27 GATCHELL	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	83 FAY	0.0852	65%	0.0554	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO033	201 MAY	0.0629	65%	0.0409	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO033	42 GATCHELL	0.0755	65%	0.0491	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	262 KEYSTONE	0.0782	65%	0.0508	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	86 ARMBRUSTER	0.1290	65%	0.0839	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0057
CSO033	1740 BAILEY	1.1913	75%	0.8935	Industrial	75	0.725	0.9	0.0648	0	0.050	0.9	0.0045	0.0603
CSO033	37 GATCHELL	0.0782	90%	0.0703	Multi Family Residential	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0047
CSO033	1805 BAILEY	0.0970	65%	0.0630	Multi Family Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO033	36 SHEPARD	0.1546	65%	0.1005	None	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO033	173 SUMNER	0.0897	65%	0.0583	None	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO033	105 BURGARD	0.0907	65%	0.0590	None	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO033	15 KING	0.2373	5%	0.0119	Vacant Land	5	0.095	0.9	0.0017	0	0.050	0.9	0.0009	0.0008
CSO033	889 LOVEJOY	0.1158	5%	0.0058	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO033	1655 CLINTON	0.1007	5%	0.0050	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO033	660 WALDEN	0.0876	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO033	1590 BAILEY	0.0766	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO033	1113 LOVEJOY	0.1017	5%	0.0051	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO033	1596 BAILEY	0.0640	5%	0.0032	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO033	1842 CLINTON	0.1059	5%	0.0053	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO033	648 WALDEN	0.0917	5%	0.0046	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0003	0.0003
CSO033	1867 BAILEY	0.0416	5%	0.0021	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0002	0.0001
CSO033	661 WALDEN	0.1265	5%	0.0063	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO033	560 WALDEN	0.3435	5%	0.0172	Vacant Land	5	0.095	0.9	0.0024	0	0.050	0.9	0.0013	0.0012
CSO033	1572 BROADWAY	0.0733	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO033	1548 BROADWAY	0.2525	5%	0.0126	Vacant Land	5	0.095	0.9	0.0018	0	0.050	0.9	0.0009	0.0009
CSO033	38 GOEMBEL	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	115 ST JOSEPH	0.0989	65%	0.0643	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO033	125 HIRSCHBECK	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	96 HIRSCHBECK	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	26 HIRSCHBECK	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	210 SUMNER	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	257 MAY	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO033	198 BRINKMAN	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO033	216 MAY	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	58 GOEMBEL	0.0666	65%	0.0433	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO033	68 GATCHELL	0.0706	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	285 SUMNER	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	89 HIRSCHBECK	0.1292	65%	0.0840	Vacant Land	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO033	234 MAY	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	260 KEYSTONE	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	45 GOEMBEL	0.1036	65%	0.0674	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO033	17 MORELAND	0.0857	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	103 KELBURN	0.0678	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO033	46 MELVIN	0.0590	65%	0.0383	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO033	530 WALDEN	0.0972	65%	0.0632	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO033	75 RAPIN	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	100 MAY	0.0861	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	268 KEYSTONE	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	81 MAY	0.0851	65%	0.0553	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO033	93 HIRSCHBECK	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	215 MAY	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	163 MAY	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	540 WALDEN	0.1013	65%	0.0658	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO033	204 SUMNER	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	82 GOEMBEL	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	174 SUMNER	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	90 PULLMAN	0.1247	65%	0.0811	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0055
CSO033	231 BRINKMAN	0.0729	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	243 MAY	0.0706	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	126 SHEPARD	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	97 GOEMBEL	0.1000	65%	0.0650	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO033	208 SUMNER	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO033	108 MAY	0.1405	65%	0.0913	Vacant Land	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO033	282 SUMNER	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	100 BURGARD	0.0946	65%	0.0615	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO033	254 SUMNER	0.0801	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	101 GOEMBEL	0.1025	65%	0.0666	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO033	252 MAY	0.0772	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	48 KEYSTONE	0.0694	65%	0.0451	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	84 MAY	0.1435	65%	0.0933	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063
CSO033	60 GATCHELL	0.0779	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	32 HIRSCHBECK	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	245 MAY	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	152 SUMNER	0.0805	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	1812 BAILEY	0.0991	65%	0.0644	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO033	118 SHEPARD	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	217 BRINKMAN	0.0790	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	15 POPLAR	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	111 MAY	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	67 GREENE	0.1572	65%	0.1022	Vacant Land	65	0.635	0.9	0.0075	0	0.050	0.9	0.0006	0.0069
CSO033	19 GATCHELL	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	81 GOEMBEL	0.1070	65%	0.0695	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO033	270 BRINKMAN	0.0787	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO033	51 GOEMBEL	0.1059	65%	0.0688	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	168 KEYSTONE	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	47 HIRSCHBECK	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	107 FAY	0.0998	65%	0.0649	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO033	101 MAY	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	21 STONE	0.0917	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO033	61 ST JOSEPH	0.0843	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	1767 BAILEY	0.0946	65%	0.0615	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO033	64 GATCHELL	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	45 HIRSCHBECK	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	55 LITTELL	0.0538	65%	0.0350	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO033	4 WOOD	0.0960	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO033	173 MAY	0.0684	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	246 MAY	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	82 KEYSTONE	0.0687	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	156 SUMNER	0.0800	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	7 ARMBRUSTER	0.0930	65%	0.0605	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO033	249 MAY	0.0704	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	168 MAY	0.0764	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	36 LONGNECKER	0.2362	65%	0.1535	Vacant Land	65	0.635	0.9	0.0112	0	0.050	0.9	0.0009	0.0104
CSO033	254 BRINKMAN	0.0808	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	266 KEYSTONE	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	169 MAY	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	21 RAPIN	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	202 MAY	0.0767	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	710 WALDEN	0.0897	65%	0.0583	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO033	113 GOEMBEL	0.1027	65%	0.0668	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO033	33 KEPPEL	0.2106	65%	0.1369	Vacant Land	65	0.635	0.9	0.0100	0	0.050	0.9	0.0008	0.0092
CSO033	132 HIRSCHBECK	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	906 LOVEJOY	0.0815	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	1897 BAILEY	0.0833	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO033	136 HIRSCHBECK	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	918 WALDEN	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	97 HIRSCHBECK	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	88 HIRSCHBECK	0.0727	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	241 SUMNER	0.0767	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	14 BURGARD	0.1641	65%	0.1067	Vacant Land	65	0.635	0.9	0.0078	0	0.050	0.9	0.0006	0.0072
CSO033	192 SUMNER	0.0804	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	278 BRINKMAN	0.0819	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	170 MAY	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	174 KEYSTONE	0.0804	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	85 ST JOSEPH	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	1891 BAILEY	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	14 SHEPARD	0.1087	65%	0.0707	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO033	24 LITTELL	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	94 BRINKMAN	0.1916	65%	0.1245	Vacant Land	65	0.635	0.9	0.0091	0	0.050	0.9	0.0007	0.0084

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	168 SUMNER	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	825 WALDEN	0.1045	65%	0.0679	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO033	76 WOOD	0.0742	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO033	94 GATCHELL	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	67 MAY	0.0860	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	277 BRINKMAN	0.0862	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	244 MAY	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	1692 BAILEY	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	229 MAY	0.0706	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	275 BRINKMAN	0.0763	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	35 HIRSCHBECK	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	76 MAY	0.0862	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	68 HIRSCHBECK	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	108 GOEMBEL	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	187 WEAVER	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	1831 BAILEY	0.1045	65%	0.0679	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO033	194 SUMNER	0.0785	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	501 WALDEN	0.0578	65%	0.0376	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO033	15 ARMBRUSTER	0.0999	65%	0.0649	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO033	1422 BAILEY	0.0687	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	35 GOEMBEL	0.1050	65%	0.0683	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO033	107 BURGARD	0.0900	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO033	1628 BAILEY	0.0802	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	1340 BAILEY	0.0808	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO033	808 ELK	0.1097	65%	0.0713	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO033	70 GATCHELL	0.0969	65%	0.0630	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO033	1835 BAILEY	0.1065	65%	0.0692	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO033	1948 BAILEY	0.0959	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO033	68 WEX	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO033	92 FAY	0.0995	65%	0.0647	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO033	1674 BAILEY	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	150 SUMNER	0.0819	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	258 WOOD	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	47 RAPIN	0.0784	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	161 BRINKMAN	0.0784	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	32 STEWART	0.1311	65%	0.0852	Vacant Land	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0058
CSO033	63 WOOD	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	528 WALDEN	0.1096	65%	0.0712	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO033	1344 BAILEY	0.0862	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	46 KEPPEL	0.0858	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	246 BRINKMAN	0.0823	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	133 GATCHELL	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	223 MAY	0.0699	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	67 GOEMBEL	0.1046	65%	0.0680	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO033	67 HIRSCHBECK	0.0739	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	183 BRINKMAN	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	225 MAY	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	19 RAPIN	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	186 SUMNER	0.1122	65%	0.0729	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO033	249 BRINKMAN	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	275 MAY	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	137 GATCHELL	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	55 HIRSCHBECK	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	1418 BAILEY	0.0692	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	279 BRINKMAN	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	51 HIRSCHBECK	0.0767	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	208 BARNARD	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	526 WALDEN	0.0932	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO033	121 HIRSCHBECK	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	57 LITTELL	0.0313	65%	0.0203	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO033	165 MAY	0.0699	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO033	106 BURGARD	0.0965	65%	0.0627	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO033	240 MAY	0.0791	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	1797 BAILEY	0.0963	65%	0.0626	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO033	1893 BAILEY	0.0824	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	1883 BAILEY	0.0810	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	22 GOEMBEL	0.0706	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	182 SUMNER	0.0999	65%	0.0649	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO033	30 HIRSCHBECK	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO033	284 BRINKMAN	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO033	283 BRINKMAN	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	87 SUMNER	0.1045	65%	0.0679	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO033	79 GATCHELL	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	525 WALDEN	0.1363	65%	0.0886	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO033	113 SHEPARD	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	86 ST JOSEPH	0.0875	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO033	219 MAY	0.0709	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO033	94 HIRSCHBECK	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	154 BRINKMAN	0.0855	65%	0.0556	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO033	105 GOEMBEL	0.0991	65%	0.0644	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO033	1592 BAILEY	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO033	111 GOEMBEL	0.1018	65%	0.0662	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO033	25 OLSEN	0.1522	65%	0.0989	Vacant Land	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0067
CSO033	116 GATCHELL	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	40 KEYSTONE	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO033	285 BRINKMAN	0.0625	65%	0.0407	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO033	166 KEYSTONE	0.0778	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	103 HIRSCHBECK	0.0790	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO033	22 LITTELL	0.0973	65%	0.0633	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO033	90 HIRSCHBECK	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO033	43 RAPIN	0.0772	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO033	1825 BAILEY	0.0949	65%	0.0617	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO033	116 MAY	0.1438	65%	0.0935	Vacant Land	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0063
CSO033	82 FREDRO	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO033	1553 BROADWAY	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO033	1319 BAILEY	0.0879	65%	0.0571	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO033	37 GOEMBEL	0.1065	65%	0.0692	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO035	163 PARKVIEW	0.0844	65%	0.0548	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO035	2424 SENECA	0.1271	5%	0.0064	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO035	22 EDSON	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO035	15 DUERSTEIN	0.1075	65%	0.0699	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO037	174 WOODSIDE	0.0788	65%	0.0512	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO037	210 POTTERS	0.4779	65%	0.3106	Detached Residential	65	0.635	0.9	0.0228	0	0.050	0.9	0.0018	0.0210
CSO037	34 MERIDEN	0.1108	65%	0.0720	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO037	283 CHOATE	0.1155	65%	0.0751	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO037	175 SHEFFIELD	0.0824	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO044	155 COLUMBUS	0.0742	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO044	39 CLIO	0.0825	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO044	118 KENEFICK	0.0901	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO046	78 MINERAL SPRING	0.1396	65%	0.0907	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO046	43 ARMIN	0.0824	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO047	37 COMO	0.0915	65%	0.0595	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO050	1671 SENECA	0.1748	5%	0.0087	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0007	0.0006
CSO051	64 KAMPER	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	1698 GENESEE	2.1419	90%	1.9278	Commercial	90	0.860	0.9	0.1382	0	0.050	0.9	0.0080	0.1301
CSO053	1756 GENESEE	0.3688	90%	0.3319	Commercial	90	0.860	0.9	0.0238	0	0.050	0.9	0.0014	0.0224
CSO053	1393 FILLMORE	0.1484	90%	0.1335	Commercial	90	0.860	0.9	0.0096	0	0.050	0.9	0.0006	0.0090
CSO053	421 FERRY EAST	0.0841	90%	0.0757	Commercial	90	0.860	0.9	0.0054	0	0.050	0.9	0.0003	0.0051
CSO053	198 MASTEN	0.0834	90%	0.0751	Commercial	90	0.860	0.9	0.0054	0	0.050	0.9	0.0003	0.0051
CSO053	425 FERRY EAST	0.1042	90%	0.0937	Commercial	90	0.860	0.9	0.0067	0	0.050	0.9	0.0004	0.0063
CSO053	984 FERRY EAST	0.1256	90%	0.1130	Commercial	90	0.860	0.9	0.0081	0	0.050	0.9	0.0005	0.0076
CSO053	1628 FILLMORE	0.2775	90%	0.2498	Commercial	90	0.860	0.9	0.0179	0	0.050	0.9	0.0010	0.0169
CSO053	1865 GENESEE	0.1227	90%	0.1105	Commercial	90	0.860	0.9	0.0079	0	0.050	0.9	0.0005	0.0075
CSO053	2423 BAILEY	0.0657	90%	0.0591	Commercial	90	0.860	0.9	0.0042	0	0.050	0.9	0.0002	0.0040
CSO053	1510 GENESEE	0.0685	90%	0.0617	Commercial	90	0.860	0.9	0.0044	0	0.050	0.9	0.0003	0.0042
CSO053	432 LEROY	0.0911	90%	0.0820	Commercial	90	0.860	0.9	0.0059	0	0.050	0.9	0.0003	0.0055
CSO053	222 MASTEN	0.0847	90%	0.0763	Commercial	90	0.860	0.9	0.0055	0	0.050	0.9	0.0003	0.0051
CSO053	1567 GENESEE	0.1154	90%	0.1038	Commercial	90	0.860	0.9	0.0074	0	0.050	0.9	0.0004	0.0070
CSO053	1815 GENESEE	0.1912	90%	0.1721	Commercial	90	0.860	0.9	0.0123	0	0.050	0.9	0.0007	0.0116
CSO053	161 GRIDER	0.0607	90%	0.0547	Commercial	90	0.860	0.9	0.0039	0	0.050	0.9	0.0002	0.0037
CSO053	773 DELAVAN EAST	0.1105	90%	0.0994	Commercial	90	0.860	0.9	0.0071	0	0.050	0.9	0.0004	0.0067
CSO053	1264 FILLMORE	0.1029	90%	0.0926	Commercial	90	0.860	0.9	0.0066	0	0.050	0.9	0.0004	0.0063
CSO053	1431 JEFFERSON	0.0727	90%	0.0654	Commercial	90	0.860	0.9	0.0047	0	0.050	0.9	0.0003	0.0044
CSO053	1493 DELAVAN EAST	0.1712	90%	0.1541	Commercial	90	0.860	0.9	0.0110	0	0.050	0.9	0.0006	0.0104
CSO053	1799 GENESEE	0.1083	90%	0.0974	Commercial	90	0.860	0.9	0.0070	0	0.050	0.9	0.0004	0.0066

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						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	1312 JEFFERSON	0.0691	90%	0.0621	Commercial	90	0.860	0.9	0.0045	0	0.050	0.9	0.0003	0.0042
CSO053	1750 GENESEE	0.1577	90%	0.1419	Commercial	90	0.860	0.9	0.0102	0	0.050	0.9	0.0006	0.0096
CSO053	1365 FILLMORE	0.1033	90%	0.0930	Commercial	90	0.860	0.9	0.0067	0	0.050	0.9	0.0004	0.0063
CSO053	400 LEROY	0.2335	90%	0.2102	Commercial	90	0.860	0.9	0.0151	0	0.050	0.9	0.0009	0.0142
CSO053	1681 FILLMORE	0.6515	90%	0.5864	Commercial	90	0.860	0.9	0.0420	0	0.050	0.9	0.0024	0.0396
CSO053	1655 GENESEE	0.4202	90%	0.3782	Commercial	90	0.860	0.9	0.0271	0	0.050	0.9	0.0016	0.0255
CSO053	2015 GENESEE	0.1041	90%	0.0937	Commercial	90	0.860	0.9	0.0067	0	0.050	0.9	0.0004	0.0063
CSO053	1524 JEFFERSON	0.0984	90%	0.0886	Commercial	90	0.860	0.9	0.0063	0	0.050	0.9	0.0004	0.0060
CSO053	833 DELAVAN EAST	0.0967	90%	0.0870	Commercial	90	0.860	0.9	0.0062	0	0.050	0.9	0.0004	0.0059
CSO053	2347 BAILEY	0.0666	90%	0.0599	Commercial	90	0.860	0.9	0.0043	0	0.050	0.9	0.0002	0.0040
CSO053	3074 BAILEY	0.0586	90%	0.0527	Commercial	90	0.860	0.9	0.0038	0	0.050	0.9	0.0002	0.0036
CSO053	822 DELAVAN EAST	0.1457	90%	0.1312	Commercial	90	0.860	0.9	0.0094	0	0.050	0.9	0.0005	0.0089
CSO053	2258 GENESEE	0.1073	90%	0.0965	Commercial	90	0.860	0.9	0.0069	0	0.050	0.9	0.0004	0.0065
CSO053	102 THEODORE	0.0698	90%	0.0629	Commercial	90	0.860	0.9	0.0045	0	0.050	0.9	0.0003	0.0042
CSO053	1650 GENESEE	0.1037	90%	0.0933	Commercial	90	0.860	0.9	0.0067	0	0.050	0.9	0.0004	0.0063
CSO053	458 DOAT	0.0864	90%	0.0777	Commercial	90	0.860	0.9	0.0056	0	0.050	0.9	0.0003	0.0052
CSO053	1423 JEFFERSON	0.1205	65%	0.0783	Commercial	65	0.635	0.9	0.0057	0	0.050	0.9	0.0005	0.0053
CSO053	2337 BAILEY	0.0757	65%	0.0492	Commercial	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	2333 BAILEY	0.0819	65%	0.0532	Commercial	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	2296 BAILEY	0.1094	65%	0.0711	Commercial	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	1332 JEFFERSON	0.0614	40%	0.0245	Community Service / Institutional	40	0.410	0.9	0.0019	0	0.050	0.9	0.0002	0.0017
CSO053	475 KOONS	0.0681	65%	0.0443	Community Service / Institutional	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	82 BUELL	0.0762	65%	0.0495	Community Service / Institutional	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	197 BURGARD	0.0841	65%	0.0547	Community Service / Institutional	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	1726 FILLMORE	0.0863	65%	0.0561	Community Service / Institutional	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	296 UTICA EAST	0.1269	65%	0.0825	Community Service / Institutional	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0056
CSO053	1326 JEFFERSON	0.0843	65%	0.0548	Community Service / Institutional	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	167 BURGARD	0.0779	65%	0.0506	Community Service / Institutional	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	163 BURGARD	0.0786	65%	0.0511	Community Service / Institutional	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO053	161 BURGARD	0.0782	65%	0.0509	Community Service / Institutional	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1564 FILLMORE	0.0839	56%	0.0470	Detached Residential	56	0.554	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	1555 DELAVAN EAST	0.4764	56%	0.2668	Detached Residential	56	0.554	0.9	0.0198	0	0.050	0.9	0.0018	0.0180
CSO053	1551 DELAVAN EAST	0.3537	56%	0.1981	Detached Residential	56	0.554	0.9	0.0147	0	0.050	0.9	0.0013	0.0134
CSO053	69 URBAN	0.1246	56%	0.0698	Detached Residential	56	0.554	0.9	0.0052	0	0.050	0.9	0.0005	0.0047
CSO053	347 BISSELL	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	425 GLENWOOD	0.0896	65%	0.0582	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	112 HUMASON	0.0702	65%	0.0457	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	120 SOUTHAMPTON	0.1330	65%	0.0865	Detached Residential	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO053	200 WAVERLY	0.1131	65%	0.0735	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	33 KILHOFFER	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	235 CHESTER	0.1248	65%	0.0811	Detached Residential	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0055
CSO053	150 FOUGERON	0.1007	65%	0.0655	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	58 LANGMEYER	0.0815	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	19 ELSIE	0.1486	65%	0.0966	Detached Residential	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0065
CSO053	29 ELSIE	0.0727	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	11 ELSIE	0.1397	65%	0.0908	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0061
CSO053	141 KINGSLEY	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	237 NORTHAMPTON	0.1753	65%	0.1139	Detached Residential	65	0.635	0.9	0.0083	0	0.050	0.9	0.0007	0.0077
CSO053	513 UTICA EAST	0.1006	65%	0.0654	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	225 MOSELLE	0.0728	65%	0.0473	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	357 RILEY	0.0709	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	61 STEVENS	0.0675	65%	0.0439	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	683 UTICA EAST	0.0957	65%	0.0622	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	50 POULTNEY	0.1185	65%	0.0770	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO053	674 NORTHUMBERLAND	0.0792	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	38 ADA	0.0288	65%	0.0187	Detached Residential	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO053	391 GLENWOOD	0.0865	65%	0.0563	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	69 SATTLER	0.0794	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	250 SOUTHAMPTON	0.1481	65%	0.0962	Detached Residential	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0065
CSO053	29 THORNTON	0.0810	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	269 PURDY	0.0555	65%	0.0361	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	92 SOUTHAMPTON	0.0901	65%	0.0586	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	172 ZENNER	0.0776	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	94 APPENHEIMER	0.1547	65%	0.1005	Detached Residential	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO053	301 MASTEN	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	25 LESLIE	0.0742	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	24 EATON	0.1069	65%	0.0695	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	58 EAST END	0.0756	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	228 DODGE	0.1951	65%	0.1268	Detached Residential	65	0.635	0.9	0.0093	0	0.050	0.9	0.0007	0.0086
CSO053	62 MANHATTAN	0.0840	65%	0.0546	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	649 DELAVAN EAST	0.1103	65%	0.0717	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO053	195 HAGEN	0.1414	65%	0.0919	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO053	292 PURDY	0.1250	65%	0.0813	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO053	111 BOX	0.0829	65%	0.0539	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	167 SOUTHAMPTON	0.1917	65%	0.1246	Detached Residential	65	0.635	0.9	0.0091	0	0.050	0.9	0.0007	0.0084
CSO053	318 MOSELLE	0.0760	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	84 SATTLER	0.0810	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	179 CARL	0.0984	65%	0.0640	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	51 EATON	0.0922	65%	0.0599	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	26 ADA	0.0293	65%	0.0191	Detached Residential	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO053	349 MOSELLE	0.0705	65%	0.0459	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	95 CLOVERDALE	0.0925	65%	0.0601	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	126 RICHLAWN	0.0797	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	200 CARL	0.0937	65%	0.0609	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	214 NORTHAMPTON	0.1086	65%	0.0706	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	235 PERSHING	0.0897	65%	0.0583	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	50 LANGMEYER	0.0821	65%	0.0534	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	44 FRANKFORT	0.0829	65%	0.0539	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	259 PURDY	0.1146	65%	0.0745	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO053	5 ELTON	0.0613	65%	0.0398	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	482 WYOMING	0.0963	65%	0.0626	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	480 WYOMING	0.0967	65%	0.0629	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	172 FREUND	0.0814	65%	0.0529	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	145 NORTHAMPTON	0.0915	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	45 ROGERS	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	115 MONTANA	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	50 WEBER	0.0932	65%	0.0605	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	305 CORNWALL	0.0830	65%	0.0539	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	59 DUPONT	0.0736	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	144 KINGSLEY	0.0850	65%	0.0553	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	1168 KENSINGTON	0.0753	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	658 NORTHUMBERLAND	0.0865	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	84 OLYMPIC	0.0818	65%	0.0531	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	160 DODGE	0.1870	65%	0.1216	Detached Residential	65	0.635	0.9	0.0089	0	0.050	0.9	0.0007	0.0082
CSO053	87 CARL	0.0971	65%	0.0631	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	193 STEVENS	0.0751	65%	0.0488	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	42 COLORADO	0.0803	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	242 SCHUELE	0.0950	65%	0.0618	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	229 SCHUELE	0.1003	65%	0.0652	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	180 OLYMPIC	0.0859	65%	0.0559	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	32 MOELLER	0.0745	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	97 MONTANA	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	1237 MICHIGAN	0.0779	65%	0.0506	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	381 MOSELLE	0.0707	65%	0.0460	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	358 UTICA EAST	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO053	306 PURDY	0.1222	65%	0.0795	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO053	334 MOSELLE	0.0745	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	66 SATTLER	0.0798	65%	0.0519	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	646 NORTHUMBERLAND	0.1725	65%	0.1121	Detached Residential	65	0.635	0.9	0.0082	0	0.050	0.9	0.0006	0.0076
CSO053	26 VIOLA	0.0940	65%	0.0611	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	564 GOODYEAR	0.0723	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	20 ERNST	0.0542	65%	0.0352	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	48 WOEPPEL	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	210 BEST	0.0905	65%	0.0588	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	47 GERHARDT	0.1005	65%	0.0653	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	35 NEVADA	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	258 DODGE	0.2010	65%	0.1306	Detached Residential	65	0.635	0.9	0.0096	0	0.050	0.9	0.0008	0.0088
CSO053	14 POULTNEY	0.1756	65%	0.1142	Detached Residential	65	0.635	0.9	0.0084	0	0.050	0.9	0.0007	0.0077
CSO053	209 FOUGERON	0.1138	65%	0.0740	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	45 ADA	0.0310	65%	0.0201	Detached Residential	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO053	33 TEXAS	0.0919	65%	0.0597	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	253 SCHUELE	0.1067	65%	0.0694	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	81 MONTANA	0.0719	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	262 RILEY	0.0738	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	147 NEVADA	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	217 MASTEN	0.1020	65%	0.0663	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	315 MAY	0.0911	65%	0.0592	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	224 RILEY	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	496 GLENWOOD	0.0916	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	20 WILLOW	0.0626	65%	0.0407	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO053	39 LESLIE	0.1105	65%	0.0718	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO053	507 GLENWOOD	0.0797	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	11 HASTINGS	0.0711	65%	0.0462	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	380 CORNWALL	0.0939	65%	0.0610	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	281 PURDY	0.0747	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	267 PURDY	0.0557	65%	0.0362	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0024
CSO053	85 ROEHRER	0.0791	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	1520 FILLMORE	0.0805	65%	0.0523	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	302 PURDY	0.1364	65%	0.0887	Detached Residential	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO053	194 SOUTHAMPTON	0.0900	65%	0.0585	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	30 KERNS	0.0835	65%	0.0543	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	691 UTICA EAST	0.0807	65%	0.0524	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	55 NAVEL	0.0815	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	837 WOODLAWN	0.0745	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	649 UTICA EAST	0.1065	65%	0.0693	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	347 LANDON	0.0588	65%	0.0382	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	243 MOSELLE	0.0705	65%	0.0458	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	280 WOHLERS	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	16 HAUF	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	163 TIMON	0.0863	65%	0.0561	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	215 BISSELL	0.0687	65%	0.0446	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	249 CAMBRIDGE	0.0795	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	177 KENSINGTON	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	32 CORNWALL	0.0816	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	31 WYOMING	0.0825	65%	0.0536	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	523 MASTEN	0.0562	65%	0.0365	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	67 NORTHUMBERLAND	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	428 GLENWOOD	0.0915	65%	0.0595	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	155 DOAT	0.0696	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	34 GERHARDT	0.0872	65%	0.0567	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	53 EDNA	0.0998	65%	0.0649	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	249 MOSELLE	0.0849	65%	0.0552	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	216 RILEY	0.0806	65%	0.0524	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	124 COURTLAND	0.0703	65%	0.0457	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	432 WYOMING	0.0981	65%	0.0638	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	251 LAUREL	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	290 MOSELLE	0.0819	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	210 WAVERLY	0.0691	65%	0.0449	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	412 WOODLAWN	0.1607	65%	0.1044	Detached Residential	65	0.635	0.9	0.0077	0	0.050	0.9	0.0006	0.0070
CSO053	18 BROOKLYN	0.0670	65%	0.0435	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	94 ROEHRER	0.0912	65%	0.0593	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	152 NORTHAMPTON	0.0970	65%	0.0631	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	29 HURLOCK	0.0818	65%	0.0531	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	39 WINSLOW	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	425 WINSLOW	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	312 RILEY	0.0867	65%	0.0564	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	86 ZENNER	0.0850	65%	0.0553	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	366 BISSELL	0.0739	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	275 DOAT	0.1371	65%	0.0891	Detached Residential	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO053	77 RICKERT	0.0902	65%	0.0586	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	146 KINGSLEY	0.0721	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	289 PURDY	0.0681	65%	0.0442	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	738 HUMBOLDT	0.1040	65%	0.0676	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	116 DOAT	0.0949	65%	0.0617	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	17 RICKERT	0.0976	65%	0.0634	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	552 RILEY	0.0845	65%	0.0549	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	170 WECKER	0.0835	65%	0.0543	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	122 FREUND	0.1268	65%	0.0824	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0056
CSO053	533 MASTEN	0.0534	65%	0.0347	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO053	381 CORNWALL	0.1000	65%	0.0650	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	770 GLENWOOD	0.0816	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	592 GOODYEAR	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	23 LESLIE	0.0741	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	147 FOUGERON	0.0975	65%	0.0634	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	81 WOHLERS	0.0778	65%	0.0506	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	208 BEST	0.0912	65%	0.0593	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	1711 FILLMORE	0.4010	65%	0.2607	Detached Residential	65	0.635	0.9	0.0191	0	0.050	0.9	0.0015	0.0176
CSO053	283 WINSLOW	0.1411	65%	0.0917	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO053	297 WINSLOW	0.1421	65%	0.0924	Detached Residential	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0062
CSO053	1618 FILLMORE	0.0949	65%	0.0617	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	24 WOEPPEL	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO053	329 FRENCH	0.0940	65%	0.0611	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	68 SIDNEY	0.0535	65%	0.0348	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO053	185 ROEHRER	0.0897	65%	0.0583	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	1315 DELAVAN EAST	0.0888	65%	0.0577	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	124 NEVADA	0.0723	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	372 MAY	0.0760	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	367 MOSELLE	0.0707	65%	0.0460	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	73 DODGE	0.0724	65%	0.0471	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	18 NORTHUMBERLAND	0.0791	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	411 WOHLERS	0.0851	65%	0.0553	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	557 UTICA EAST	0.1151	65%	0.0748	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO053	227 BISSELL	0.0705	65%	0.0458	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	27 LESLIE	0.1111	65%	0.0722	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	373 WOODLAWN	0.0696	65%	0.0452	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	354 UTICA EAST	0.0690	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	26 MONTCLAIR	0.1702	65%	0.1107	Detached Residential	65	0.635	0.9	0.0081	0	0.050	0.9	0.0006	0.0075
CSO053	492 DELAVAN EAST	0.0960	65%	0.0624	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	66 BOX	0.0865	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	64 ZENNER	0.0750	65%	0.0487	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	8 REGINA	0.0456	65%	0.0296	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO053	116 WENDE	0.0763	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	122 CARL	0.0950	65%	0.0618	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	127 FRENCH	0.0944	65%	0.0614	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	531 MASTEN	0.0586	65%	0.0381	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	527 GOODYEAR	0.0748	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	144 MASTEN	0.0925	65%	0.0601	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	88 KILHOFFER	0.0714	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	60 RICKERT	0.1124	65%	0.0730	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0049
CSO053	221 MOSELLE	0.0724	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	52 RICHLAWN	0.0824	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	357 HUMBOLDT	0.0772	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	61 WENDE	0.0725	65%	0.0471	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	1269 MICHIGAN	0.0824	65%	0.0536	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	68 LANDON	0.1291	65%	0.0839	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0057
CSO053	168 SOUTHAMPTON	0.0917	65%	0.0596	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	480 WINSLOW	0.0796	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	41 ANTWERP	0.0684	65%	0.0445	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	582 GOODYEAR	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	60 KILHOFFER	0.0758	65%	0.0493	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	77 ZENNER	0.0771	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	288 WINSLOW	0.0711	65%	0.0462	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	359 MOSELLE	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	105 DOAT	0.0744	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	2367 BAILEY	0.0938	65%	0.0610	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	246 PERSHING	0.1030	65%	0.0670	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	14 NORTHUMBERLAND	0.0771	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	2112 BAILEY	0.0694	65%	0.0451	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	464 UTICA EAST	0.0953	65%	0.0620	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	113 WOHLERS	0.0760	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	2010 BAILEY	0.0803	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	139 MOHICAN	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	830 DELAVAN EAST	0.1202	65%	0.0781	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0005	0.0053
CSO053	41 GRIDER	0.1950	65%	0.1268	Detached Residential	65	0.635	0.9	0.0093	0	0.050	0.9	0.0007	0.0086
CSO053	689 UTICA EAST	0.0827	65%	0.0537	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	180 COLORADO	0.0803	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	376 NORTHAMPTON	0.0862	65%	0.0561	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	98 LAUREL	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	12 DURHAM	0.1163	65%	0.0756	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	26 COLORADO	0.0825	65%	0.0537	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	39 CAMBRIDGE	0.0793	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	70 NAVEL	0.0784	65%	0.0509	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	35 SATTLER	0.0783	65%	0.0509	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	82 SCHUELE	0.0972	65%	0.0632	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	418 GLENWOOD	0.0902	65%	0.0587	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	416 LEROY	0.0837	65%	0.0544	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	158 NORTHAMPTON	0.0940	65%	0.0611	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	62 COURTLAND	0.0703	65%	0.0457	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	675 UTICA EAST	0.0928	65%	0.0603	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	431 UTICA EAST	0.0983	65%	0.0639	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	858 GLENWOOD	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	303 BISSELL	0.0698	65%	0.0454	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	161 BOX	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	1257 DELAVAN EAST	0.1142	65%	0.0742	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	73 ZENNER	0.0726	65%	0.0472	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	407 WOODLAWN	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	277 PURDY	0.0571	65%	0.0371	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	199 FOUGERON	0.1151	65%	0.0748	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	215 BOX	0.0829	65%	0.0539	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	49 SIDNEY	0.0822	65%	0.0534	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	323 PURDY	0.0524	65%	0.0341	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO053	20 CAMBRIDGE	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	44 MIDWAY	0.0763	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	54 UTICA EAST	0.1385	65%	0.0900	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO053	378 BISSELL	0.0745	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	1241 MICHIGAN	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	122 SCHUELE	0.0989	65%	0.0643	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	336 WINSLOW	0.0770	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	535 UTICA EAST	0.1158	65%	0.0753	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	38 KILHOFFER	0.0700	65%	0.0455	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	292 MOSELLE	0.0871	65%	0.0566	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	82 ZENNER	0.0761	65%	0.0495	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	392 NORTHLAND	0.1130	65%	0.0735	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	126 EATON	0.1147	65%	0.0746	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO053	83 RICHLAWN	0.0857	65%	0.0557	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	691 NORTHUMBERLAND	0.0882	65%	0.0573	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	55 ZENNER	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	502 MOSELLE	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	141 HUMASON	0.0682	65%	0.0443	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	419 LEROY	0.0962	65%	0.0625	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	43 EATON	0.0959	65%	0.0623	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	489 WINSLOW	0.0793	65%	0.0515	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	41 SATTLER	0.0733	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	631 UTICA EAST	0.1104	65%	0.0718	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO053	103 STEVENS	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	400 NORTHLAND	0.1016	65%	0.0660	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO053	165 GRIDER	0.0668	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	35 LARK	0.2609	65%	0.1696	Detached Residential	65	0.635	0.9	0.0124	0	0.050	0.9	0.0010	0.0114
CSO053	106 COLORADO	0.0793	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	132 BLOCK	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	44 NEVADA	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	47 THORNTON	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	214 WINSLOW	0.0776	65%	0.0505	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	135 CARL	0.0978	65%	0.0636	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	544 GOODYEAR	0.0703	65%	0.0457	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	222 BISSELL	0.0730	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	70 ZENNER	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	323 BOX	0.0949	65%	0.0617	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	629 UTICA EAST	0.1036	65%	0.0674	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	388 WINSLOW	0.0757	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	682 UTICA EAST	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	181 WOHLERS	0.0894	65%	0.0581	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	1561 JEFFERSON	0.0836	65%	0.0543	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	70 FOUGERON	0.1188	65%	0.0772	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0052
CSO053	1857 GENESEE	0.0680	65%	0.0442	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	44 PLEASANT	0.0468	65%	0.0304	Detached Residential	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO053	176 DODGE	0.0981	65%	0.0638	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	25 LANSDALE	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	113 URBAN	0.1236	65%	0.0803	Detached Residential	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO053	83 RICKERT	0.0680	65%	0.0442	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	154 DOAT	0.0960	65%	0.0624	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	222 PERSHING	0.1075	65%	0.0699	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	138 KINGSLEY	0.0831	65%	0.0540	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	82 ALEXANDER	0.1033	65%	0.0671	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	657 WOODLAWN	0.0685	65%	0.0445	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	95 ROEBLING	0.0687	65%	0.0446	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	237 UTICA EAST	0.1666	65%	0.1083	Detached Residential	65	0.635	0.9	0.0079	0	0.050	0.9	0.0006	0.0073
CSO053	340 WINSLOW	0.0670	65%	0.0436	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	6 ELSIE	0.1160	65%	0.0754	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	93 CARL	0.0957	65%	0.0622	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	17 EATON	0.1085	65%	0.0705	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	319 MOSELLE	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	85 WOEPPEL	0.0795	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	12 PHYLLIS	0.0721	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	462 CORNWALL	0.1160	65%	0.0754	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	193 CARL	0.1052	65%	0.0683	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	297 FRENCH	0.1060	65%	0.0689	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	676 UTICA EAST	0.0879	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	275 NORTHAMPTON	0.1009	65%	0.0656	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	2 LANGMEYER	0.0771	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	653 FERRY EAST	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	100 ANDOVER	0.1084	65%	0.0705	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	101 MONTANA	0.0772	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	145 NEVADA	0.0733	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	511 GRIDER	0.0842	65%	0.0547	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	203 COURTLAND	0.0745	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	112 SATTLER	0.2018	65%	0.1312	Detached Residential	65	0.635	0.9	0.0096	0	0.050	0.9	0.0008	0.0089
CSO053	217 FRENCH	0.0988	65%	0.0642	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	74 RICHLAWN	0.0835	65%	0.0543	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	70 RILEY	0.1107	65%	0.0719	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	353 CORNWALL	0.1017	65%	0.0661	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO053	77 GIRARD	0.1101	65%	0.0716	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	332 MOSELLE	0.0755	65%	0.0491	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	7 LANGMEYER	0.0967	65%	0.0629	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	301 KEHR	0.0823	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	123 SOUTHAMPTON	0.1962	65%	0.1275	Detached Residential	65	0.635	0.9	0.0093	0	0.050	0.9	0.0007	0.0086
CSO053	59 KINGSLEY	0.1339	65%	0.0870	Detached Residential	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO053	523 GOODYEAR	0.0773	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	161 WENDE	0.1017	65%	0.0661	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO053	50 EDNA	0.1079	65%	0.0701	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	22 KERMIT	0.1192	65%	0.0775	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0052
CSO053	181 LESLIE	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	292 KEHR	0.0424	65%	0.0276	Detached Residential	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO053	406 RILEY	0.0908	65%	0.0590	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	637 NORTHUMBERLAND	0.0868	65%	0.0564	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	17 ZENNER	0.0628	65%	0.0408	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	44 BOX	0.0610	65%	0.0396	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	127 NORTHLAND	0.0790	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	308 PURDY	0.0608	65%	0.0395	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	298 PURDY	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	296 PURDY	0.0674	65%	0.0438	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	51 ADA	0.0279	65%	0.0181	Detached Residential	65	0.635	0.9	0.0013	0	0.050	0.9	0.0001	0.0012
CSO053	14 ADA	0.1004	65%	0.0652	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	8 ELSIE	0.0760	65%	0.0494	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	245 PURDY	0.0390	65%	0.0254	Detached Residential	65	0.635	0.9	0.0019	0	0.050	0.9	0.0001	0.0017
CSO053	496 WOODLAWN	0.1025	65%	0.0666	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	369 RILEY	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	259 NORTHAMPTON	0.0884	65%	0.0575	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	173 SOUTHAMPTON	0.0971	65%	0.0631	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	226 DODGE	0.0902	65%	0.0586	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	254 DODGE	0.0999	65%	0.0649	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	192 BEST	0.1219	65%	0.0792	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0053
CSO053	14 MARIGOLD	0.0826	65%	0.0537	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	116 FEDERAL	0.0951	65%	0.0618	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	218 MASTEN	0.0879	65%	0.0571	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	48 SCHRECK	0.0856	65%	0.0557	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	48 SIDNEY	0.0775	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	187 ROEHRER	0.0735	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	299 WYOMING	0.0546	65%	0.0355	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	444 WINSLOW	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	135 SCHUELE	0.1020	65%	0.0663	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	257 LAUREL	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	139 WINSLOW	0.0798	65%	0.0519	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	228 SCHUELE	0.0967	65%	0.0628	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	8 THORNTON	0.0991	65%	0.0644	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	208 COURTLAND	0.1256	65%	0.0816	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO053	215 WINSLOW	0.0715	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	56 KILHOFFER	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	18 MOELLER	0.0668	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	169 GOEMBEL	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	66 GIRARD	0.1152	65%	0.0749	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	102 BEST	0.0914	65%	0.0594	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	28 FOUGERON	0.0511	65%	0.0332	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO053	438 UTICA EAST	0.0830	65%	0.0540	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	169 PARADE EAST	0.0712	65%	0.0463	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	315 PURDY	0.0661	65%	0.0429	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	801 DELAVAN EAST	0.1250	65%	0.0813	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO053	267 CAMBRIDGE	0.0955	65%	0.0621	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	182 WYOMING	0.0794	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	123 MONTANA	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	27 NORTHUMBERLAND	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	2465 BAILEY	0.0799	65%	0.0519	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	429 UTICA EAST	0.0986	65%	0.0641	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	19 RICHLAWN	0.0832	65%	0.0541	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	66 KIRKPATRICK	0.0961	65%	0.0625	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	59 MOELLER	0.0761	65%	0.0495	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	167 WINSLOW	0.0764	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	405 WINSLOW	0.0789	65%	0.0513	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	20 LARK	0.0864	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	149 FOUGERON	0.0993	65%	0.0645	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	841 GLENWOOD	0.1277	65%	0.0830	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO053	184 WOHLERS	0.0628	65%	0.0408	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	444 RILEY	0.0847	65%	0.0551	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	300 BISSELL	0.0629	65%	0.0409	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	533 RILEY	0.0807	65%	0.0525	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	216 MASTEN	0.0862	65%	0.0560	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	346 WINSLOW	0.0712	65%	0.0463	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	62 SCHUELE	0.0929	65%	0.0604	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	208 BOX	0.0813	65%	0.0528	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	107 BOX	0.0843	65%	0.0548	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	80 LANGMEYER	0.1440	65%	0.0936	Detached Residential	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0063
CSO053	108 ROEHRER	0.0754	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	18 VERDUN	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	307 MOSELLE	0.0850	65%	0.0553	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	17 ROOSEVELT	0.0788	65%	0.0512	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	254 LORING	0.0858	65%	0.0557	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	262 CARL	0.0678	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	96 COLORADO	0.0769	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	295 WINSLOW	0.1447	65%	0.0940	Detached Residential	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0063
CSO053	230 TIMON	0.0965	65%	0.0627	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	169 ZENNER	0.0735	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	81 SIDNEY	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	625 FERRY EAST	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	630 GOODYEAR	0.0713	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	524 GOODYEAR	0.1451	65%	0.0943	Detached Residential	65	0.635	0.9	0.0069	0	0.050	0.9	0.0005	0.0064
CSO053	140 FOUGERON	0.1004	65%	0.0653	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	282 ROEHRER	0.0734	65%	0.0477	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	224 LAUREL	0.1052	65%	0.0684	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	7 GERHARDT	0.0613	65%	0.0398	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	2477 BAILEY	0.0787	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO053	94 NORTHAMPTON	0.0721	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	309 BOX	0.1863	65%	0.1211	Detached Residential	65	0.635	0.9	0.0089	0	0.050	0.9	0.0007	0.0082
CSO053	363 UTICA EAST	0.0955	65%	0.0621	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	10 PALOS	0.1102	65%	0.0716	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	61 POULTNEY	0.0845	65%	0.0549	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	1464 DELAVAN EAST	0.1020	65%	0.0663	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	708 RILEY	0.0701	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	130 HUMBER	0.0864	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	332 BISSELL	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	23 ALMA	0.0825	65%	0.0536	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	390 NORTHUMBERLAND	0.1024	65%	0.0665	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	2122 GENESEE	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	52 MONTANA	0.0693	65%	0.0451	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	177 HAZELWOOD	0.0941	65%	0.0612	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	329 WYOMING	0.1194	65%	0.0776	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0052
CSO053	49 PAULINE	0.0719	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	239 LAUREL	0.0525	65%	0.0341	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO053	172 OLYMPIC	0.0886	65%	0.0576	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	348 BISSELL	0.0754	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	176 WINCHESTER	0.0936	65%	0.0608	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	23 DORRIS	0.0843	65%	0.0548	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	340 NORFOLK	0.0995	65%	0.0647	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	988 KENSINGTON	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	604 NORFOLK	0.0966	65%	0.0628	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	10 REGINA	0.0681	65%	0.0442	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	698 NORTHUMBERLAND	0.0857	65%	0.0557	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	129 SPRENGER	0.1090	65%	0.0709	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	253 BISSELL	0.0709	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	128 BOX	0.0856	65%	0.0557	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	145 DOAT	0.0666	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO053	90 DURHAM	0.1137	65%	0.0739	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	56 HAMLIN	0.0865	65%	0.0563	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	124 WAVERLY	0.0581	65%	0.0377	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO053	186 LANDON	0.0976	65%	0.0634	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	209 WAVERLY	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	162 WINCHESTER	0.0909	65%	0.0591	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	70 HASTINGS	0.0738	65%	0.0480	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	46 ROEBLING	0.0697	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	97 ROEBLING	0.0667	65%	0.0434	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	18 DECKER	0.1009	65%	0.0656	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	151 FRENCH	0.0948	65%	0.0616	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	141 CHESTER	0.0555	65%	0.0361	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	61 ELMER	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	36 SCHRECK	0.0810	65%	0.0527	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	1449 DELAVAN EAST	0.0985	65%	0.0640	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	81 ALMA	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	247 OLYMPIC	0.0746	65%	0.0485	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	60 STORZ	0.0505	65%	0.0328	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO053	136 FLOSS	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	136 BOX	0.0813	65%	0.0529	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	124 THATCHER	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1986 BAILEY	0.0629	65%	0.0409	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	38 ALMA	0.0952	65%	0.0619	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	24 RAWLINS	0.0748	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	31 SATTLER	0.0785	65%	0.0510	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	274 NORTHLAND	0.1043	65%	0.0678	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	348 BOX	0.0826	65%	0.0537	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	230 LANDON	0.1231	65%	0.0800	Detached Residential	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO053	187 DODGE	0.0863	65%	0.0561	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	132 MOHICAN	0.0769	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1110 DELAVAN EAST	0.1038	65%	0.0675	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0046
CSO053	659 RILEY	0.0679	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	507 FERRY EAST	0.0732	65%	0.0476	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	41 SCHRECK	0.0815	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	131 GOEMBEL	0.0796	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	249 OLYMPIC	0.0907	65%	0.0590	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	15 SCHRECK	0.0852	65%	0.0554	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	46 ERNST	0.0582	65%	0.0378	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	1124 FERRY EAST	0.0999	65%	0.0650	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	139 SCHUELE	0.1031	65%	0.0670	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	49 RICKERT	0.0903	65%	0.0587	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	299 FRENCH	0.1046	65%	0.0680	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	209 ERICSON	0.0897	65%	0.0583	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	222 OLYMPIC	0.0941	65%	0.0612	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	33 WORCESTER	0.0477	65%	0.0310	Detached Residential	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO053	1307 FERRY EAST	0.0802	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	667 RILEY	0.0702	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	188 DODGE	0.0978	65%	0.0636	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	127 BOX	0.0846	65%	0.0550	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	112 COLORADO	0.0783	65%	0.0509	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	384 WOODLAWN	0.0895	65%	0.0582	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	136 LONSDALE	0.1403	65%	0.0912	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO053	2356 BAILEY	0.0895	65%	0.0582	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	170 WAVERLY	0.0582	65%	0.0378	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	124 BOX	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	938 HUMBOLDT	0.0800	65%	0.0520	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	73 POULTNEY	0.0901	65%	0.0585	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	159 BOX	0.0752	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	221 HUTCHINSON	0.0755	65%	0.0491	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	32 WOODLAWN EAST	0.0814	65%	0.0529	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	54 JOSEPHINE	0.1423	65%	0.0925	Detached Residential	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0062
CSO053	317 LANDON	0.0667	65%	0.0433	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO053	37 MOELLER	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	351 LANDON	0.0652	65%	0.0424	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	207 BOX	0.0848	65%	0.0551	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	1260 FILLMORE	0.0979	65%	0.0636	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	57 SCHRECK	0.0818	65%	0.0532	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	704 FERRY EAST	0.1011	65%	0.0657	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	101 SCHUELE	0.0948	65%	0.0616	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	253 CAMBRIDGE	0.0860	65%	0.0559	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	247 MOSELLE	0.0586	65%	0.0381	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	692 RILEY	0.0718	65%	0.0467	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	184 HUGHES	0.0995	65%	0.0647	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	126 HARRIETT	0.0912	65%	0.0593	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	654 FERRY EAST	0.0809	65%	0.0526	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	26 BOEHM	0.0677	65%	0.0440	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	240 KEHR	0.0595	65%	0.0387	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	18 ROGERS	0.0710	65%	0.0461	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	38 GOULDING	0.0901	65%	0.0586	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	294 MAY	0.0758	65%	0.0492	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	255 BISSELL	0.0716	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	956 HUMBOLDT	0.0865	65%	0.0562	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	151 GOEMBEL	0.0785	65%	0.0510	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	869 NORTHLAND	0.0949	65%	0.0617	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	217 GRIDER	0.0972	65%	0.0632	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	2548 BAILEY	0.0859	65%	0.0558	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	192 CARL	0.0949	65%	0.0617	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	45 WEBER	0.0935	65%	0.0608	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	232 BURGARD	0.0772	65%	0.0501	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	154 SPRENGER	0.0862	65%	0.0560	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	17 GERHARDT	0.1016	65%	0.0660	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO053	406 WYOMING	0.1140	65%	0.0741	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	457 WINSLOW	0.0799	65%	0.0519	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	185 DODGE	0.0858	65%	0.0558	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	111 STEVENS	0.0657	65%	0.0427	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	1552 JEFFERSON	0.0873	65%	0.0568	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	302 FRENCH	0.0980	65%	0.0637	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	95 GRIDER	0.0974	65%	0.0633	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	669 RILEY	0.0690	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	200 EATON	0.1143	65%	0.0743	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	483 DODGE	0.0698	65%	0.0453	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	826 DELAVAN EAST	0.1278	65%	0.0831	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO053	22 BOEHM	0.0786	65%	0.0511	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	96 CROSSMAN AVE	0.0772	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	228 PERSHING	0.1019	65%	0.0662	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	98 SCHUELE	0.0978	65%	0.0636	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	62 THORNTON	0.1022	65%	0.0664	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	845 FERRY EAST	0.0720	65%	0.0468	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	1143 DELAVAN EAST	0.0990	65%	0.0644	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	413 LEROY	0.0702	65%	0.0457	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	71 DORRIS	0.0823	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	1024 KENSINGTON	0.0793	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	77 FERNHILL	0.0825	65%	0.0536	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	159 WAVERLY	0.0735	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	1309 FERRY EAST	0.0855	65%	0.0556	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	2242 BAILEY	0.0737	65%	0.0479	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	141 BOX	0.0880	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	64 HARRIETT	0.0925	65%	0.0601	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	7 PURDY	0.0555	65%	0.0360	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	296 SUMNER	0.1397	65%	0.0908	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0061
CSO053	815 GLENWOOD	0.1313	65%	0.0853	Detached Residential	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO053	69 GIRARD	0.1136	65%	0.0738	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	271 KEHR	0.1166	65%	0.0758	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO053	17 RAWLINS	0.1548	65%	0.1006	Detached Residential	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO053	373 GLENWOOD	0.0769	65%	0.0500	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	663 WOODLAWN	0.0714	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	704 NORFOLK	0.0859	65%	0.0558	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	156 FRENCH	0.0956	65%	0.0622	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	52 FOUGERON	0.1121	65%	0.0729	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	312 GRIDER	0.0724	65%	0.0470	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	144 WINSLOW	0.0796	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	691 NORFOLK	0.0742	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	69 DORRIS	0.0804	65%	0.0523	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	296 KEHR	0.0422	65%	0.0274	Detached Residential	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO053	24 ALMA	0.1013	65%	0.0658	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	37 MONTANA	0.0677	65%	0.0440	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	354 BISSELL	0.1117	65%	0.0726	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	60 GERALD	0.0962	65%	0.0625	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	312 PURDY	0.0620	65%	0.0403	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO053	149 FRENCH	0.0937	65%	0.0609	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	131 DEERFIELD	0.0888	65%	0.0577	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	917 DELAVAN EAST	0.0838	65%	0.0545	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	141 SPRENGER	0.0702	65%	0.0457	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	82 ELLER	0.1140	65%	0.0741	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	130 ELMER	0.0880	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	162 DEERFIELD	0.0880	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	230 BURGARD	0.0768	65%	0.0499	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	15 WARRING	0.0678	65%	0.0441	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	1370 MICHIGAN	0.1203	65%	0.0782	Detached Residential	65	0.635	0.9	0.0057	0	0.050	0.9	0.0005	0.0053
CSO053	655 UTICA EAST	0.1091	65%	0.0709	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	420 LEROY	0.0875	65%	0.0569	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	182 DODGE	0.0997	65%	0.0648	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	207 WYOMING	0.1634	65%	0.1062	Detached Residential	65	0.635	0.9	0.0078	0	0.050	0.9	0.0006	0.0072
CSO053	191 KILHOFFER	0.0741	65%	0.0482	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	361 BISSELL	0.0701	65%	0.0456	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	811 DELAVAN EAST	0.1134	65%	0.0737	Detached Residential	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	39 RICKERT	0.0876	65%	0.0569	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	255 LORING	0.0867	65%	0.0564	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	87 NEVADA	0.0735	65%	0.0478	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	4 GIRARD	0.1148	65%	0.0746	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO053	335 BOX	0.0812	65%	0.0528	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	261 CAMBRIDGE	0.0817	65%	0.0531	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	16 ANTWERP	0.1111	65%	0.0722	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	1214 MICHIGAN	0.0936	65%	0.0608	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	815 KENSINGTON	0.7563	75%	0.5673	Industrial	75	0.725	0.9	0.0411	0	0.050	0.9	0.0028	0.0383
CSO053	29 NORTHAMPTON	0.2762	90%	0.2486	Multi Family Residential	90	0.860	0.9	0.0178	0	0.050	0.9	0.0010	0.0168
CSO053	551 UTICA EAST	0.0985	90%	0.0887	Multi Family Residential	90	0.860	0.9	0.0064	0	0.050	0.9	0.0004	0.0060
CSO053	109 EDNA	0.1026	90%	0.0924	Multi Family Residential	90	0.860	0.9	0.0066	0	0.050	0.9	0.0004	0.0062
CSO053	28 EATON	0.1108	90%	0.0997	Multi Family Residential	90	0.860	0.9	0.0071	0	0.050	0.9	0.0004	0.0067
CSO053	36 SIDNEY	0.0885	90%	0.0797	Multi Family Residential	90	0.860	0.9	0.0057	0	0.050	0.9	0.0003	0.0054
CSO053	70 GILLETTE	0.4541	90%	0.4087	Multi Family Residential	90	0.860	0.9	0.0293	0	0.050	0.9	0.0017	0.0276
CSO053	209 GRIDER	0.0987	90%	0.0888	Multi Family Residential	90	0.860	0.9	0.0064	0	0.050	0.9	0.0004	0.0060
CSO053	1220 MICHIGAN	0.0698	90%	0.0628	Multi Family Residential	90	0.860	0.9	0.0045	0	0.050	0.9	0.0003	0.0042
CSO053	260 NORTHAMPTON	0.1103	65%	0.0717	Multi Family Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO053	591 GRIDER	0.1018	65%	0.0662	Multi Family Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	700 FERRY EAST	0.0984	65%	0.0640	Multi Family Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	224 DUTTON	0.0715	65%	0.0465	Multi Family Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	290 BOX	0.0867	65%	0.0564	None	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	296 BOX	0.0862	65%	0.0560	None	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	37 SOUTHAMPTON	0.0952	65%	0.0619	None	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	95 RICHLAWN	0.0840	65%	0.0546	None	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	57 WENDE	0.0742	65%	0.0482	None	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	50 FRENCH	0.0948	65%	0.0616	None	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	92 ALEXANDER	0.0660	65%	0.0429	None	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	27 KINGSLEY	0.0896	65%	0.0583	None	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	270 SOUTHAMPTON	0.1070	65%	0.0695	None	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	58 WINSLOW	0.1138	65%	0.0740	None	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	42 HOLLAND	0.0787	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	156 UTICA EAST	0.0605	5%	0.0030	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO053	517 UTICA EAST	0.0974	5%	0.0049	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	24 WINCHESTER	0.0912	5%	0.0046	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	450 DODGE	0.0902	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	766 AMHERST EAST	0.1603	5%	0.0080	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO053	366 UTICA EAST	0.0678	5%	0.0034	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO053	431 GLENWOOD	0.0668	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO053	108 UTICA EAST	0.0872	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	164 UTICA EAST	0.0585	5%	0.0029	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO053	400 UTICA EAST	0.0906	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1600 JEFFERSON	0.0514	5%	0.0026	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO053	1189 KENSINGTON	0.0726	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO053	434 KOONS	0.1631	5%	0.0082	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0006	0.0006
CSO053	157 MASTEN	0.0924	5%	0.0046	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0003	0.0003
CSO053	1263 DELAVAN EAST	0.0575	5%	0.0029	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO053	28 SIDNEY	0.0783	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	471 GRIDER	0.0808	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1178 MICHIGAN	0.1577	5%	0.0079	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO053	1749 GENESEE	0.0709	5%	0.0035	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO053	1266 FILLMORE	0.1321	5%	0.0066	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO053	93 UTICA EAST	0.0779	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1218 JEFFERSON	0.0893	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1669 FILLMORE	0.1417	5%	0.0071	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO053	1145 FERRY EAST	0.1022	5%	0.0051	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	2886 BAILEY	0.0821	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1299 FERRY EAST	0.0858	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1675 FILLMORE	0.1745	5%	0.0087	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0007	0.0006
CSO053	1081 FERRY EAST	0.0868	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	2435 BAILEY	0.0670	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO053	405 GRIDER	0.1168	5%	0.0058	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO053	1106 FERRY EAST	0.0867	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1640 GENESEE	0.1028	5%	0.0051	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	427 FERRY EAST	0.0628	5%	0.0031	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO053	1726 GENESEE	0.0900	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1477 DELAVAN EAST	0.0854	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	2216 BAILEY	0.0998	5%	0.0050	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	221 LINWOOD AVE	0.5068	5%	0.0253	Vacant Land	5	0.095	0.9	0.0036	0	0.050	0.9	0.0019	0.0017
CSO053	257 GRIDER	0.0958	5%	0.0048	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	2038 BAILEY	0.0829	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	2035 FILLMORE	0.0764	5%	0.0038	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0003
CSO053	441 FERRY EAST	0.0836	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1575 GENESEE	0.0826	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	204 CHESTER	0.0888	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1008 FERRY EAST	0.1021	5%	0.0051	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	1505 GENESEE	0.0650	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO053	2954 BAILEY	0.2186	5%	0.0109	Vacant Land	5	0.095	0.9	0.0016	0	0.050	0.9	0.0008	0.0007
CSO053	1051 FERRY EAST	0.0951	5%	0.0048	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	267 MOSELLE	0.0715	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO053	445 NORTHLAND	0.1765	5%	0.0088	Vacant Land	5	0.095	0.9	0.0013	0	0.050	0.9	0.0007	0.0006
CSO053	609 FERRY EAST	0.0817	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	408 LEROY	0.0901	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	922 NORTHLAND	0.0953	5%	0.0048	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	2371 BAILEY	0.1536	5%	0.0077	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO053	2238 BAILEY	0.0723	5%	0.0036	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO053	1325 FERRY EAST	0.0933	5%	0.0047	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0003	0.0003
CSO053	1751 GENESEE	0.0796	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1585 GENESEE	0.1175	5%	0.0059	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO053	2453 BAILEY	0.0807	5%	0.0040	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	21 FOUGERON	0.3059	5%	0.0153	Vacant Land	5	0.095	0.9	0.0022	0	0.050	0.9	0.0011	0.0010
CSO053	1486 JEFFERSON	0.0825	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	83 UTICA EAST	0.1180	5%	0.0059	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO053	764 KENSINGTON	0.8736	5%	0.0437	Vacant Land	5	0.095	0.9	0.0062	0	0.050	0.9	0.0033	0.0029
CSO053	2018 BAILEY	0.1817	5%	0.0091	Vacant Land	5	0.095	0.9	0.0013	0	0.050	0.9	0.0007	0.0006
CSO053	363 FERRY EAST	0.4743	5%	0.0237	Vacant Land	5	0.095	0.9	0.0034	0	0.050	0.9	0.0018	0.0016
CSO053	1517 DELAVAN EAST	0.0890	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	2373 BAILEY	0.0782	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	2890 BAILEY	0.0783	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	1026 FERRY EAST	0.0943	5%	0.0047	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	1556 FILLMORE	0.0850	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO053	233 FOUGERON	0.1098	5%	0.0055	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO053	1291 FILLMORE	0.0983	5%	0.0049	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0003
CSO053	1411 MICHIGAN	0.1125	65%	0.0731	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0049
CSO053	2624 BAILEY	0.0833	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	249 BOX	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	21 WARRING	0.0638	65%	0.0415	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	28 WINCHESTER	0.0916	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	154 FRENCH	0.0907	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040

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						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	73 MONTANA	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	398 NORTHLAND	0.0921	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	15 LARK	0.1239	65%	0.0805	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO053	234 BOX	0.0821	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	151 WENDE	0.0706	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	209 BOX	0.0845	65%	0.0549	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	111 RICHLAWN	0.0865	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	110 ROEHRER	0.0787	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO053	183 WOHLERS	0.0909	65%	0.0591	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	1238 MICHIGAN	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	167 ZENNER	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	541 GOODYEAR	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	40 RAWLINS	0.0785	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	26 CAMBRIDGE	0.0802	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	258 BISSELL	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	517 WINSLOW	0.0785	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	101 WYOMING	0.1071	65%	0.0696	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	374 ROEHRER	0.0368	65%	0.0239	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0016
CSO053	416 WINSLOW	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	29 FOUGERON	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	322 NORTHAMPTON	0.1060	65%	0.0689	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	58 JOSEPHINE	0.1401	65%	0.0911	Vacant Land	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0061
CSO053	149 GOEMBEL	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	697 NORTHUMBERLAND	0.0882	65%	0.0573	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	22 RICHLAWN	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	106 MASTEN	0.0853	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	171 DODGE	0.0879	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	14 HOLLAND	0.1012	65%	0.0658	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	44 EATON	0.1029	65%	0.0669	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	1117 ELLICOTT	0.2232	65%	0.1451	Vacant Land	65	0.635	0.9	0.0106	0	0.050	0.9	0.0008	0.0098
CSO053	35 SOUTHAMPTON	0.0998	65%	0.0648	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	110 FREUND	0.1028	65%	0.0668	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	694 DELAVAN EAST	0.0673	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	57 LANGMEYER	0.0832	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	75 LARK	0.0660	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	74 FRENCH	0.0942	65%	0.0612	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	57 NAVEL	0.0816	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	834 GLENWOOD	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	187 FRENCH	0.1053	65%	0.0684	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	200 BURGARD	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1730 GENESEE	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	342 BOX	0.0855	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	193 SCHUELE	0.1018	65%	0.0662	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO053	19 CELTIC	0.1139	65%	0.0740	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	89 WOEPPEL	0.0593	65%	0.0385	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	267 STEVENS	0.0685	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	65 KILHOFFER	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1572 JEFFERSON	0.0916	65%	0.0595	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	53 KILHOFFER	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	59 NORTHLAND	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	71 ZENNER	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	13 LANSDALE	0.0818	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	59 WINSLOW	0.0509	65%	0.0331	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO053	467 WINSLOW	0.0790	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	180 LAUREL	0.0678	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	93 FRENCH	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	164 ROEHRER	0.0564	65%	0.0367	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	89 KINGSLEY	0.0869	65%	0.0565	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	886 WOODLAWN	0.0623	65%	0.0405	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO053	648 GOODYEAR	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	16 ROEBLING	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	878 NORTHLAND	0.0899	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	679 RILEY	0.0661	65%	0.0430	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	2000 BAILEY	0.0786	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	25 SANFORD	0.1036	65%	0.0673	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	11 EDNA	0.0752	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	39 HOLLAND	0.0905	65%	0.0588	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	550 GOODYEAR	0.0701	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	57 WINSLOW	0.0484	65%	0.0314	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO053	42 MOELLER	0.0733	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	116 ZENNER	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	52 KENOVA	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	106 DOAT	0.0585	65%	0.0380	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	327 WOODLAWN	0.0270	65%	0.0176	Vacant Land	65	0.635	0.9	0.0013	0	0.050	0.9	0.0001	0.0012
CSO053	333 WOODLAWN	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	338 MOSELLE	0.0781	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	271 SOUTHAMPTON	0.0852	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	2027 FILLMORE	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	482 WINSLOW	0.0792	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	53 MONTANA	0.0730	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	257 SOUTHAMPTON	0.1156	65%	0.0751	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	279 SOUTHAMPTON	0.1149	65%	0.0747	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO053	29 LANSDALE	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	422 DODGE	0.0882	65%	0.0573	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	299 MAY	0.0779	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	18 MARIGOLD	0.0873	65%	0.0568	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	669 NORFOLK	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	146 RILEY	0.1038	65%	0.0674	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0046
CSO053	114 WECKER	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	69 LESLIE	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	45 MOELLER	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	11 PAULINE	0.0471	65%	0.0306	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO053	1300 FERRY EAST	0.0815	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	204 LANDON	0.0985	65%	0.0640	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	244 RILEY	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	381 UTICA EAST	0.0991	65%	0.0644	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	64 FRENCH	0.0939	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	73 WARRING	0.0621	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO053	89 DUPONT	0.0705	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	2099 BAILEY	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	143 EATON	0.1157	65%	0.0752	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	811 GLENWOOD	0.1545	65%	0.1004	Vacant Land	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO053	99 KINGSLEY	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	32 HURLOCK	0.0809	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	201 SOUTHAMPTON	0.0957	65%	0.0622	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	120 EATON	0.1132	65%	0.0736	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	142 BURGARD	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	232 CHESTER	0.0637	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	913 NORTHLAND	0.0805	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	165 PARADE EAST	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	72 ROEHRER	0.0324	65%	0.0211	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO053	298 MAY	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	19 SANFORD	0.2075	65%	0.1349	Vacant Land	65	0.635	0.9	0.0099	0	0.050	0.9	0.0008	0.0091
CSO053	16 SANFORD	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	191 LESLIE	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	25 LANGMEYER	0.0825	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	175 KENSINGTON	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	117 COURTLAND	0.0709	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	63 SCHRECK	0.0845	65%	0.0549	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	188 COURTLAND	0.1285	65%	0.0835	Vacant Land	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO053	143 STEVENS	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	25 SCHUELE	0.0943	65%	0.0613	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	50 ERNST	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	121 ZENNER	0.0779	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	16 ZENNER	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	191 FRENCH	0.1060	65%	0.0689	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0047
CSO053	162 NEVADA	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	52 SIDNEY	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	83 TEXAS	0.1956	65%	0.1271	Vacant Land	65	0.635	0.9	0.0093	0	0.050	0.9	0.0007	0.0086
CSO053	1971 BAILEY	0.0843	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	159 KINGSLEY	0.0707	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	420 FERRY EAST	0.0851	65%	0.0553	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	44 MOELLER	0.0704	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	35 TEXAS	0.0975	65%	0.0634	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	39 ZENNER	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	339 WINSLOW	0.1427	65%	0.0928	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063
CSO053	85 ALEXANDER	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	2220 BAILEY	0.0698	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	218 RILEY	0.0836	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	69 ZENNER	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	830 WOODLAWN	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	27 HAUF	0.0850	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	56 ERNST	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	246 BURGARD	0.0713	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	37 URBAN	0.1190	65%	0.0774	Vacant Land	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0052
CSO053	89 ROEHRER	0.0804	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	2874 BAILEY	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	105 RICHLAWN	0.0845	65%	0.0550	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	96 LAUREL	0.0773	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	54 ALMA	0.0933	65%	0.0607	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	6 PLEASANT	0.0862	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	155 WINSLOW	0.0686	65%	0.0446	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	123 STEVENS	0.0696	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	476 RILEY	0.0922	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	139 LANDON	0.0886	65%	0.0576	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	92 SCHUELE	0.0965	65%	0.0627	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	11 ROEBLING	0.0719	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	21 SIDNEY	0.0960	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	125 GLENWOOD	0.2218	65%	0.1442	Vacant Land	65	0.635	0.9	0.0106	0	0.050	0.9	0.0008	0.0097
CSO053	156 NORTHAMPTON	0.0981	65%	0.0638	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	115 NORTHAMPTON	0.0472	65%	0.0307	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO053	2574 BAILEY	0.0887	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	291 MAY	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	180 TIMON	0.0893	65%	0.0580	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	115 KINGSLEY	0.0623	65%	0.0405	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO053	154 ROMA	0.0854	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	455 DELAVAN EAST	0.2342	65%	0.1523	Vacant Land	65	0.635	0.9	0.0112	0	0.050	0.9	0.0009	0.0103
CSO053	54 ZENNER	0.0786	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	41 WINSLOW	0.0369	65%	0.0240	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0016
CSO053	338 BISSELL	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	77 WARRING	0.0674	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	195 LAUREL	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	155 THEODORE	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	444 WOODLAWN	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	48 GERHARDT	0.0883	65%	0.0574	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	136 MONTANA	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	885 WOODLAWN	0.0719	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	66 WINSLOW	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	75 NEVADA	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	81 KILHOFFER	0.0776	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	54 NORTHUMBERLAND	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	360 MAY	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	524 NORTHAMPTON	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	230 HUTCHINSON	0.0401	65%	0.0261	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0002	0.0018
CSO053	100 MARIGOLD	0.1237	65%	0.0804	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO053	127 MANHATTAN	0.0884	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	590 MASTEN	0.0849	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	54 LANGMEYER	0.0859	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	2038 FILLMORE	0.0995	65%	0.0647	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	182 COURTLAND	0.1251	65%	0.0813	Vacant Land	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO053	2345 BAILEY	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	724 FERRY EAST	0.1099	65%	0.0715	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	504 GOODYEAR	0.0709	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	510 WOODLAWN	0.1036	65%	0.0673	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	551 GLENWOOD	0.0898	65%	0.0584	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	1259 FERRY EAST	0.0868	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	2098 BAILEY	0.1521	65%	0.0988	Vacant Land	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0067
CSO053	250 BISSELL	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	79 TEXAS	0.1027	65%	0.0668	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	428 NORTHAMPTON	0.0900	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	1400 MICHIGAN	0.0903	65%	0.0587	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	115 WECKER	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	82 ROEHRER	0.0773	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	340 DODGE	0.1020	65%	0.0663	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	302 MAY	0.0764	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	68 ERSKINE	0.1162	65%	0.0755	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	12 SANFORD	0.0576	65%	0.0374	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	839 DELAVAN EAST	0.0941	65%	0.0612	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	35 ROSLYN	0.0762	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	1126 FERRY EAST	0.0964	65%	0.0627	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	44 DOAT	0.0611	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	574 NORTHLAND	0.1702	65%	0.1106	Vacant Land	65	0.635	0.9	0.0081	0	0.050	0.9	0.0006	0.0075
CSO053	2172 BAILEY	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	44 GERHARDT	0.0888	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	149 DOAT	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	310 MAY	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	113 FEDERAL	0.0808	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	52 BURLINGTON	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	52 EDNA	0.0961	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	1288 MICHIGAN	0.0993	65%	0.0645	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	154 COURTLAND	0.1293	65%	0.0841	Vacant Land	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO053	48 ERICSON	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	94 NORTHLAND	0.0937	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	114 EAST END	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	94 DECKER	0.0941	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	35 INTER PARK	0.0842	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	210 FRENCH	0.0939	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	530 GOODYEAR	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	2079 BAILEY	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	138 FRENCH	0.1860	65%	0.1209	Vacant Land	65	0.635	0.9	0.0089	0	0.050	0.9	0.0007	0.0082
CSO053	616 GOODYEAR	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	12 WARRING	0.0604	65%	0.0392	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO053	760 GLENWOOD	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	22 HAUF	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	505 GOODYEAR	0.0452	65%	0.0294	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO053	141 FRENCH	0.0968	65%	0.0629	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	350 BOX	0.0849	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	39 WOEPPEL	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	54 LYTH	0.0501	65%	0.0326	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO053	363 FRENCH	0.0976	65%	0.0634	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	126 DOAT	0.0958	65%	0.0623	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	135 ZELMER	0.0855	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	32 ANTWERP	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	259 SOUTHAMPTON	0.1169	65%	0.0760	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO053	453 GOODYEAR	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	158 FOUGERON	0.1055	65%	0.0686	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	494 NORTHAMPTON	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	26 RICHLAWN	0.0872	65%	0.0567	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	23 MARIGOLD	0.0810	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	189 ERICSON	0.0902	65%	0.0586	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	58 NORTHLAND	0.0828	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	58 MANHART	0.1018	65%	0.0662	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO053	307 BOX	0.0822	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	365 BOX	0.0815	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	83 ALEXANDER	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	756 GLENWOOD	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	514 RILEY	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	45 LESLIE	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	353 GLENWOOD	0.0756	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	71 WINSLOW	0.0460	65%	0.0299	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO053	15 FRANKFORT	0.0824	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	73 NORTHUMBERLAND	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	228 BOX	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	501 NORTHLAND	0.0833	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	46 INTER PARK	0.0819	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	470 NORTHAMPTON	0.0938	65%	0.0610	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	42 ALMA	0.0950	65%	0.0618	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	89 DORRIS	0.0793	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	3 SCHRECK	0.0971	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	1578 JEFFERSON	0.0517	65%	0.0336	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	29 ADA	0.0311	65%	0.0202	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO053	72 WARRING	0.0854	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	1289 FERRY EAST	0.0864	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	65 WARRING	0.0688	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	857 GLENWOOD	0.1830	65%	0.1189	Vacant Land	65	0.635	0.9	0.0087	0	0.050	0.9	0.0007	0.0080
CSO053	63 ZENNER	0.0767	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	515 MASTEN	0.0585	65%	0.0380	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	371 MAY	0.0776	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	447 KOONS	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	188 SOUTHAMPTON	0.0905	65%	0.0589	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	282 DODGE	0.0924	65%	0.0601	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	28 ALICE	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	204 MASTEN	0.0926	65%	0.0602	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	1206 MICHIGAN	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	14 WOODLAWN EAST	0.0834	65%	0.0542	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	168 WINCHESTER	0.0920	65%	0.0598	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	21 CARL	0.1938	65%	0.1260	Vacant Land	65	0.635	0.9	0.0092	0	0.050	0.9	0.0007	0.0085
CSO053	546 GOODYEAR	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	65 EDNA	0.0885	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	279 PURDY	0.0554	65%	0.0360	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	161 NORTHAMPTON	0.0897	65%	0.0583	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	828 GLENWOOD	0.0795	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	182 LANDON	0.0969	65%	0.0630	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	534 RILEY	0.0994	65%	0.0646	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	97 GRIDER	0.0974	65%	0.0633	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	297 BISSELL	0.0705	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	62 WARRING	0.0716	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	66 WENDE	0.0770	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	175 DUTTON	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	47 NORTHLAND	0.0833	65%	0.0541	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	81 NORTHLAND	0.0313	65%	0.0203	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO053	12 ROEBLING	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	244 CARL	0.0939	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	23 SIDNEY	0.0857	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	309 PURDY	0.0657	65%	0.0427	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	193 SOUTHAMPTON	0.0967	65%	0.0629	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	675 RILEY	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	19 GERHARDT	0.1009	65%	0.0656	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	76 ROEBLING	0.0675	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	179 ROEHRER	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	63 KERMIT	0.1154	65%	0.0750	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	22 VERDUN	0.0703	65%	0.0457	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	223 LORING	0.0883	65%	0.0574	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	254 STEVENS	0.0690	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	23 GRIDER	0.0960	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	84 FRENCH	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	516 MOSELLE	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	87 FRENCH	0.0937	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	1195 FERRY EAST	0.1053	65%	0.0685	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	24 STORZ	0.0728	65%	0.0474	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	315 RILEY	0.1237	65%	0.0804	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO053	70 SATTLER	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	2100 BAILEY	0.0742	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	11 CELTIC	0.1117	65%	0.0726	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	2096 BAILEY	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	132 WENDE	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	369 URBAN	0.0951	65%	0.0618	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	203 MOSELLE	0.0469	65%	0.0305	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0021
CSO053	212 PERSHING	0.1048	65%	0.0681	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	144 BURGARD	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	372 DODGE	0.0938	65%	0.0610	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	66 ROOSEVELT	0.0721	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	45 EATON	0.0934	65%	0.0607	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0004	0.0041
CSO053	1368 MICHIGAN	0.0941	65%	0.0612	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	223 BOX	0.0813	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	27 NEVADA	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	130 KILHOFFER	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	368 FRENCH	0.0971	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	31 HURLOCK	0.0813	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	222 RILEY	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	877 WOODLAWN	0.0574	65%	0.0373	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	57 NORTHUMBERLAND	0.0782	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	40 WARRING	0.0642	65%	0.0417	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO053	208 BISSELL	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	503 RILEY	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	86 WOHLERS	0.0773	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	148 GOEMBEL	0.0801	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	206 BEST	0.0917	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	126 UTICA EAST	0.1486	65%	0.0966	Vacant Land	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0065
CSO053	107 SOUTHAMPTON	0.0945	65%	0.0614	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	606 DELAVAN EAST	0.1613	65%	0.1048	Vacant Land	65	0.635	0.9	0.0077	0	0.050	0.9	0.0006	0.0071
CSO053	385 UTICA EAST	0.0801	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	694 HUMBOLDT	0.0802	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	280 BISSELL	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	483 NORTHLAND	0.0603	65%	0.0392	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO053	2017 BAILEY	0.1105	65%	0.0718	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0048
CSO053	719 NORTHUMBERLAND	0.0850	65%	0.0553	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	24 BURLINGTON	0.0921	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	91 DODGE	0.1368	65%	0.0889	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO053	37 EDNA	0.0841	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	211 BLAINE	0.0394	65%	0.0256	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0001	0.0017
CSO053	33 PAULINE	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	120 WENDE	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	54 ERNST	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO053	2076 BAILEY	0.0770	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	136 STEVENS	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	41 MOELLER	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	588 GOODYEAR	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	763 HUMBOLDT	0.1869	65%	0.1215	Vacant Land	65	0.635	0.9	0.0089	0	0.050	0.9	0.0007	0.0082
CSO053	66 WARRING	0.0636	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	879 WOODLAWN	0.0684	65%	0.0445	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	645 GOODYEAR	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	42 EDNA	0.1034	65%	0.0672	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	210 ERICSON	0.0885	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	656 GOODYEAR	0.0713	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	282 BISSELL	0.0704	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	116 EATON	0.1158	65%	0.0753	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	68 ROEHRER	0.0329	65%	0.0214	Vacant Land	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0014
CSO053	382 MOSELLE	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	41 STEVENS	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	34 MOELLER	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	107 CARL	0.0973	65%	0.0632	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	345 MOSELLE	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	139 FRENCH	0.0933	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	1323 FERRY EAST	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	253 LAUREL	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	255 LANDON	0.0827	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	169 LAUREL	0.0762	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	137 CHESTER	0.0535	65%	0.0348	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO053	105 BOX	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	275 SOUTHAMPTON	0.0822	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	1984 BAILEY	0.0670	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	658 RILEY	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	508 DODGE	0.0745	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	15 HOLLAND	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	22 HOLLAND	0.0943	65%	0.0613	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	108 NORTHAMPTON	0.0231	65%	0.0150	Vacant Land	65	0.635	0.9	0.0011	0	0.050	0.9	0.0001	0.0010
CSO053	10 SANFORD	0.0577	65%	0.0375	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	2622 BAILEY	0.0838	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	25 SCHAUF	0.0629	65%	0.0409	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	19 ALMA	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	331 WINSLOW	0.1427	65%	0.0927	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063
CSO053	183 COURTLAND	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	24 WARRING	0.0444	65%	0.0288	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO053	545 UTICA EAST	0.1029	65%	0.0669	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	30 LARK	0.0894	65%	0.0581	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	264 DOAT	0.1426	65%	0.0927	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063
CSO053	300 RILEY	0.0619	65%	0.0402	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	57 SIDNEY	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	460 MOSELLE	0.0967	65%	0.0629	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	363 MAY	0.0767	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	54 INTER PARK	0.0842	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	121 FOUGERON	0.0974	65%	0.0633	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	146 ROEHRER	0.0477	65%	0.0310	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO053	196 MOSELLE	0.0786	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	23 ROEBLING	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	242 BURGARD	0.0625	65%	0.0406	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO053	109 UTICA EAST	0.1488	65%	0.0967	Vacant Land	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0065
CSO053	504 WINSLOW	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	43 WINSLOW	0.0742	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	98 LONSDALE	0.0770	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	124 ZENNER	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	113 NEVADA	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	944 GLENWOOD	0.0892	65%	0.0580	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	125 RICHLAWN	0.0833	65%	0.0542	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	1317 FERRY EAST	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	892 WOODLAWN	0.0677	65%	0.0440	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	330 BOX	0.0842	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	17 CELTIC	0.1155	65%	0.0751	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	45 SIDNEY	0.0830	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	69 EDNA	0.0875	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	218 CARL	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	2712 BAILEY	0.1921	65%	0.1249	Vacant Land	65	0.635	0.9	0.0091	0	0.050	0.9	0.0007	0.0084
CSO053	391 UTICA EAST	0.1084	65%	0.0704	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	300 FRENCH	0.0394	65%	0.0256	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0001	0.0017
CSO053	123 LANDON	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO053	1265 FERRY EAST	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	883 WOODLAWN	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	332 BOX	0.0849	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	146 BOX	0.0791	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	359 BISSELL	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	33 WARRING	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	33 URBAN	0.1192	65%	0.0775	Vacant Land	65	0.635	0.9	0.0057	0	0.050	0.9	0.0004	0.0052
CSO053	102 PHYLLIS	0.0776	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	88 RILEY	0.0617	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	36 EDNA	0.1062	65%	0.0690	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	14 SHAWNEE	0.0442	65%	0.0287	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO053	212 BEST	0.1130	65%	0.0735	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	19 HOLLAND	0.0824	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	1208 MICHIGAN	0.0640	65%	0.0416	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	199 STEVENS	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	528 WINSLOW	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	77 LARK	0.0571	65%	0.0371	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	377 MAY	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	738 GLENWOOD	0.0784	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	164 LAUREL	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	1407 MICHIGAN	0.0567	65%	0.0369	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	45 WARRING	0.0655	65%	0.0426	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	371 MOSELLE	0.0730	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	519 NORTHLAND	0.0859	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	101 DOAT	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	4 RUSTIC	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	2028 FILLMORE	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	157 WINSLOW	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1286 FERRY EAST	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	356 MAY	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	213 LAUREL	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	1027 FERRY EAST	0.0917	65%	0.0596	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	305 LANDON	0.0739	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	174 GOEMBEL	0.0908	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	365 RILEY	0.0674	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	72 MONTANA	0.0669	65%	0.0435	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	355 FRENCH	0.1002	65%	0.0652	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	890 WOODLAWN	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	147 CHESTER	0.0574	65%	0.0373	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	1732 GENESEE	0.0990	65%	0.0644	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	126 WAVERLY	0.0590	65%	0.0384	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	526 NORTHAMPTON	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	30 RICHLAWN	0.0828	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	641 NORTHUMBERLAND	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	210 MASTEN	0.0842	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	281 STEVENS	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	154 WINSLOW	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	295 BOX	0.0864	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	32 NORTHUMBERLAND	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	86 FRENCH	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	74 MOELLER	0.0914	65%	0.0594	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	33 MOELLER	0.0727	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	222 FRENCH	0.1076	65%	0.0699	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	622 FERRY EAST	0.0818	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	223 LANDON	0.0864	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	48 WINSLOW	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	311 KEHR	0.0412	65%	0.0268	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO053	385 WOODLAWN	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	57 CARL	0.0984	65%	0.0639	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	161 KILHOFFER	0.0733	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	242 TIMON	0.0901	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	42 GERHARDT	0.0900	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	705 RILEY	0.0716	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	81 ROEHRER	0.0772	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1398 MICHIGAN	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	220 SCHUELE	0.0985	65%	0.0640	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	90 SCHRECK	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	43 ZENNER	0.0759	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	162 LAUREL	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	611 WOODLAWN	0.0725	65%	0.0471	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	26 STORZ	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	817 GLENWOOD	0.1247	65%	0.0811	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0055
CSO053	884 WOODLAWN	0.0612	65%	0.0398	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	68 BOX	0.0862	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	563 GOODYEAR	0.0748	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	7 ROEBLING	0.0579	65%	0.0377	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO053	1973 BAILEY	0.0841	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	139 MASTEN	0.0892	65%	0.0580	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	14 ELMER	0.1678	65%	0.1091	Vacant Land	65	0.635	0.9	0.0080	0	0.050	0.9	0.0006	0.0074
CSO053	82 RICHLAWN	0.0828	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	23 ADA	0.0303	65%	0.0197	Vacant Land	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO053	144 WENDE	0.0717	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	48 VERDUN	0.0710	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	106 MONTANA	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	176 LAUREL	0.0785	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	202 BURGARD	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	860 WOODLAWN	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	220 BOX	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	35 WARRING	0.0612	65%	0.0398	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	1070 ELLICOTT	0.1019	65%	0.0662	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	77 KINGSLEY	0.0881	65%	0.0573	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	249 CARL	0.0957	65%	0.0622	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	170 GOEMBEL	0.0933	65%	0.0607	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	60 GIRARD	0.1108	65%	0.0720	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	237 MASTEN	0.1116	65%	0.0725	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	165 KENSINGTON	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	502 DELAVAN EAST	0.0989	65%	0.0643	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	94 OLYMPIC	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	22 ZELMER	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	75 FRENCH	0.0934	65%	0.0607	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0004	0.0041
CSO053	311 BISSELL	0.0708	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	23 HAUF	0.0843	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	234 KEHR	0.0613	65%	0.0398	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	142 WENDE	0.0764	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	735 WOODLAWN	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	742 NORTHLAND	0.0776	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	322 PURDY	0.0641	65%	0.0416	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO053	335 MOSELLE	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	300 FRENCH	0.0565	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	185 EATON	0.1096	65%	0.0712	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	109 FOUGERON	0.1243	65%	0.0808	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0055
CSO053	161 SOUTHAMPTON	0.0994	65%	0.0646	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	26 GIRARD	0.1140	65%	0.0741	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	19 MARIGOLD	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	32 MIDVALE	0.0916	65%	0.0595	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	240 SCHUELE	0.0938	65%	0.0610	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	315 WYOMING	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	122 OLYMPIC	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	171 COURTLAND	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	41 LARK	0.1048	65%	0.0681	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	201 CHELSEA	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	25 NORMA	0.0981	65%	0.0638	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	2455 BAILEY	0.0792	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	2467 BAILEY	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	339 BOX	0.0816	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	2160 BAILEY	0.0707	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	134 SCHUELE	0.0971	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	32 ZENNER	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	75 MOELLER	0.1515	65%	0.0985	Vacant Land	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0066
CSO053	496 FERRY EAST	0.0809	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	8 WARRING	0.0733	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	53 ZENNER	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	362 MAY	0.0765	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	237 LANDON	0.0745	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	150 BOX	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	63 SIDNEY	0.0828	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	360 GLENWOOD	0.1001	65%	0.0651	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	25 NORTHUMBERLAND	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	14 LARK	0.0887	65%	0.0576	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	79 GRIDER	0.0942	65%	0.0612	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	269 DOAT	0.0704	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	37 WARRING	0.0681	65%	0.0443	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	2093 BAILEY	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	56 CORNWALL	0.0816	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	305 NORTHAMPTON	0.1015	65%	0.0660	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO053	143 DOAT	0.0702	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	46 THORNTON	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	138 RILEY	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	76 UTICA EAST	0.0424	65%	0.0275	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	275 PURDY	0.0579	65%	0.0376	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO053	121 NEVADA	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	318 GLENWOOD	0.0334	65%	0.0217	Vacant Land	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0015
CSO053	74 WARRING	0.0931	65%	0.0605	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	239 MOSELLE	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	180 KEHR	0.0355	65%	0.0230	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO053	46 SIDNEY	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	82 KILHOFFER	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	59 SATTLER	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	119 CHESTER	0.0585	65%	0.0380	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	180 ROEHRER	0.0665	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO053	22 WARRING	0.0613	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	16 WARRING	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	10 COLORADO	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	312 BISSELL	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	19 RICKERT	0.0880	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	29 KILHOFFER	0.0756	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	126 URBAN	0.1393	65%	0.0905	Vacant Land	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO053	2103 BAILEY	0.0792	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	80 BOX	0.0859	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	49 KILHOFFER	0.0763	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	555 GOODYEAR	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	39 KINGSLEY	0.0895	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	133 MASTEN	0.0900	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	67 BAME	0.1558	65%	0.1013	Vacant Land	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO053	26 SANFORD	0.0922	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	104 ELMER	0.0858	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	1364 MICHIGAN	0.1074	65%	0.0698	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	341 CAMBRIDGE	0.0970	65%	0.0630	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	92 WEBER	0.0905	65%	0.0588	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	82 WINSLOW	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	230 WINSLOW	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	2248 BAILEY	0.0738	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	248 CARL	0.0989	65%	0.0643	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	445 CAMBRIDGE	0.1006	65%	0.0654	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	198 CARL	0.1017	65%	0.0661	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
CSO053	2315 BAILEY	0.0808	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	130 ZENNER	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	8 MONTANA	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	132 SCHUELE	0.0950	65%	0.0618	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	268 PURDY	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	28 ADA	0.0289	65%	0.0188	Vacant Land	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO053	91 ALEXANDER	0.0506	65%	0.0329	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO053	533 WINSLOW	0.0767	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	212 BURGARD	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	365 GLENWOOD	0.0680	65%	0.0442	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	1139 FERRY EAST	0.0841	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	1025 FERRY EAST	0.0941	65%	0.0612	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	68 NEVADA	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	2190 BAILEY	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	103 KINGSLEY	0.0993	65%	0.0646	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO053	179 KINGSLEY	0.0664	65%	0.0432	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0002	0.0029
CSO053	372 NORTHAMPTON	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	40 WINSLOW	0.0745	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	371 WOODLAWN	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	367 BISSELL	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	223 PERSHING	0.0855	65%	0.0556	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	108 WOHLERS	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	660 NORFOLK	0.0912	65%	0.0593	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	1242 MICHIGAN	0.0888	65%	0.0577	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	225 CHELSEA	0.0721	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	135 ZENNER	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	51 MOELLER	0.0727	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	27 PAULINE	0.0714	65%	0.0464	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	15 NAVEL	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	1136 FERRY EAST	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	910 GLENWOOD	0.0857	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	236 RILEY	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	29 VERPLANCK	0.0207	65%	0.0135	Vacant Land	65	0.635	0.9	0.0010	0	0.050	0.9	0.0001	0.0009
CSO053	376 BOX	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	344 BISSELL	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	239 BURGARD	0.0865	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	47 GRIDER	0.1053	65%	0.0685	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	295 MAY	0.0793	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	2552 BAILEY	0.0862	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	377 NORTHAMPTON	0.0841	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	45 NEVADA	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	202 SPRENGER	0.0856	65%	0.0556	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	511 RILEY	0.0690	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	220 TIMON	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	1130 FERRY EAST	0.0981	65%	0.0637	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	856 GLENWOOD	0.0750	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	125 FRENCH	0.0945	65%	0.0614	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	217 LAUREL	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	617 GOODYEAR	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	15 THEODORE	0.0790	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	36 BOX	0.0442	65%	0.0287	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019
CSO053	199 NORTHLAND	0.1031	65%	0.0670	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	17 MONTANA	0.0753	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	45 SCHUELE	0.1023	65%	0.0665	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	235 NORTHAMPTON	0.0871	65%	0.0566	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	2004 BAILEY	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1188 MICHIGAN	0.0526	65%	0.0342	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO053	40 HOLLAND	0.0902	65%	0.0586	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	103 GRIDER	0.0961	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	65 LANGMEYER	0.0833	65%	0.0542	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	93 RILEY	0.0418	65%	0.0272	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0018
CSO053	26 HOLLAND	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	1409 MICHIGAN	0.1092	65%	0.0710	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	268 LORING	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	308 CORNWALL	0.0869	65%	0.0565	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	369 BOX	0.0842	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	4 WARRING	0.0782	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	189 LAUREL	0.0746	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	843 WOODLAWN	0.0742	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	24 BOX	0.0427	65%	0.0278	Vacant Land	65	0.635	0.9	0.0020	0	0.050	0.9	0.0002	0.0019
CSO053	421 GRIDER	0.0875	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	66 ZENNER	0.0793	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	276 CHELSEA	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	55 LYTH	0.1226	65%	0.0797	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO053	115 DOAT	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	69 MOELLER	0.0707	65%	0.0460	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	597 GOODYEAR	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	16 ERNST	0.0561	65%	0.0365	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	329 WOODLAWN	0.0272	65%	0.0177	Vacant Land	65	0.635	0.9	0.0013	0	0.050	0.9	0.0001	0.0012
CSO053	472 KOONS	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	14 GERHARDT	0.0895	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	166 ROEHRER	0.0653	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	370 NORTHAMPTON	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	2 GIRARD	0.1118	65%	0.0726	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	36 BICKFORD	0.0732	65%	0.0476	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	762 AMHERST EAST	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	100 NORTHAMPTON	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	63 WENDE	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	332 CORNWALL	0.0951	65%	0.0618	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	18 WINCHESTER	0.0903	65%	0.0587	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	77 INTER PARK	0.0852	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	65 MOELLER	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	220 FRENCH	0.0885	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	34 RAWLINS	0.0784	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	151 CHESTER	0.0566	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	864 HUMBOLDT	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	168 ZENNER	0.0723	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	13 LYTH	0.0499	65%	0.0324	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO053	104 ROEHRER	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	297 MAY	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	140 KINGSLEY	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	246 SCHUELE	0.0983	65%	0.0639	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	42 FRENCH	0.0930	65%	0.0604	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	189 BURGARD	0.0830	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	621 GOODYEAR	0.0742	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	51 LYTH	0.0537	65%	0.0349	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	126 GOULDING	0.0879	65%	0.0571	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	215 GRIDER	0.0945	65%	0.0615	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	18 SANFORD	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	18 EDNA	0.0705	65%	0.0458	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	12 ALMA	0.1024	65%	0.0665	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	63 ALMA	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	24 KERMIT	0.1156	65%	0.0751	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	455 UTICA EAST	0.0977	65%	0.0635	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	34 WINCHESTER	0.0936	65%	0.0608	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	132 NEVADA	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	123 SCHUELE	0.1029	65%	0.0669	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	308 RILEY	0.0724	65%	0.0471	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	89 GRIDER	0.0948	65%	0.0616	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	363 RILEY	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	81 ZENNER	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	23 BOEHM	0.0700	65%	0.0455	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	569 GOODYEAR	0.0744	65%	0.0484	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	143 WENDE	0.0611	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	49 WENDE	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	296 CHELSEA	0.0759	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	43 KINGSLEY	0.0901	65%	0.0586	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	528 NORTHAMPTON	0.0696	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	60 ZENNER	0.0780	65%	0.0507	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	325 NORTHAMPTON	0.1011	65%	0.0657	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	129 ZENNER	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	90 LANDON	0.1014	65%	0.0659	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	1132 FERRY EAST	0.0962	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	326 MOSELLE	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	367 MAY	0.0785	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	174 LAUREL	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	163 CHESTER	0.0540	65%	0.0351	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	1484 FILLMORE	0.0809	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	364 BISSELL	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	58 NEVADA	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	84 LARK	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	437 WOHLERS	0.0827	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	109 ROEHRER	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	588 RILEY	0.0851	65%	0.0553	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	360 FOUGERON	0.1362	65%	0.0886	Vacant Land	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO053	713 RILEY	0.0461	65%	0.0300	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO053	38 GIRARD	0.2260	65%	0.1469	Vacant Land	65	0.635	0.9	0.0108	0	0.050	0.9	0.0008	0.0099
CSO053	672 NORTHUMBERLAND	0.0079	65%	0.0051	Vacant Land	65	0.635	0.9	0.0004	0	0.050	0.9	0.0000	0.0003
CSO053	135 GLENWOOD	0.1086	65%	0.0706	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO053	83 WOHLERS	0.0773	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	17 RICHLAWN	0.0868	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	19 ANDOVER	0.0961	65%	0.0624	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	1528 FILLMORE	0.0857	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	1448 FILLMORE	0.1136	65%	0.0739	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	437 FERRY EAST	0.0631	65%	0.0410	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	1606 JEFFERSON	0.0572	65%	0.0372	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	1746 GENESEE	0.0939	65%	0.0610	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	1199 DELAVAN EAST	0.1502	65%	0.0976	Vacant Land	65	0.635	0.9	0.0072	0	0.050	0.9	0.0006	0.0066
CSO053	336 GRIDER	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	377 UTICA EAST	0.0946	65%	0.0615	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	44 ADA	0.0297	65%	0.0193	Vacant Land	65	0.635	0.9	0.0014	0	0.050	0.9	0.0001	0.0013
CSO053	147 WINSLOW	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	72 MOELLER	0.0868	65%	0.0564	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	38 MOELLER	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	61 NAVEL	0.0879	65%	0.0571	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	400 RILEY	0.0567	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	532 RILEY	0.0872	65%	0.0567	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	40 SIDNEY	0.0828	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	372 BISSELL	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	534 GLENWOOD	0.0907	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	23 RAWLINS	0.0768	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	372 LANDON	0.1003	65%	0.0652	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	106 ROEHRER	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	72 GIRARD	0.1071	65%	0.0696	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO053	69 OAKMONT	0.1221	65%	0.0794	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO053	64 ALMA	0.0921	65%	0.0599	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	76 KILHOFFER	0.0742	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	40 CAMBRIDGE	0.0817	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	70 FRENCH	0.0939	65%	0.0610	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	169 FRENCH	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	17 THEODORE	0.0800	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	52 DOAT	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	897 GLENWOOD	0.0818	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	164 WINCHESTER	0.0933	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	81 STEVENS	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	143 WAVERLY	0.0540	65%	0.0351	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	148 NEVADA	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	25 WARRING	0.0641	65%	0.0417	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO053	52 INTER PARK	0.0825	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	202 MOSELLE	0.0813	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	370 DODGE	0.0893	65%	0.0580	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	177 NORTHAMPTON	0.0765	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	105 UTICA EAST	0.1396	65%	0.0907	Vacant Land	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO053	256 DELAVAN EAST	0.0957	65%	0.0622	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	280 WINSLOW	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	131 SCHUELE	0.0976	65%	0.0634	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	766 GLENWOOD	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	1141 FERRY EAST	0.0966	65%	0.0628	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	338 BOX	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	145 WAVERLY	0.0550	65%	0.0357	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	62 LANDON	0.1004	65%	0.0652	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	225 CHESTER	0.0688	65%	0.0447	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	31 GIRARD	0.1162	65%	0.0755	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	505 DODGE	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	445 GOODYEAR	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	230 SOUTHAMPTON	0.0968	65%	0.0629	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	130 MOHICAN	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	92 SCHRECK	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	623 GOODYEAR	0.0756	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	160 FRENCH	0.0923	65%	0.0600	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	49 TEXAS	0.0962	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	131 KILHOFFER	0.0747	65%	0.0486	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	373 MAY	0.0791	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	13 GRIDER	0.0970	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	109 NEVADA	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	498 GOODYEAR	0.0709	65%	0.0461	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	2 ERNST	0.1817	65%	0.1181	Vacant Land	65	0.635	0.9	0.0087	0	0.050	0.9	0.0007	0.0080
CSO053	360 BISSELL	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	226 BOX	0.0822	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	28 COLORADO	0.0775	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	41 CAMBRIDGE	0.0817	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	471 KOONS	0.0692	65%	0.0450	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	90 KINGSLEY	0.2042	65%	0.1327	Vacant Land	65	0.635	0.9	0.0097	0	0.050	0.9	0.0008	0.0090
CSO053	31 UTICA EAST	0.1033	65%	0.0671	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	57 KERMIT	0.1204	65%	0.0783	Vacant Land	65	0.635	0.9	0.0057	0	0.050	0.9	0.0005	0.0053
CSO053	43 ROEBLING	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	47 RAWLINS	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	140 ZENNER	0.0744	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	393 UTICA EAST	0.1037	65%	0.0674	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	428 MOSELLE	0.0767	65%	0.0499	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	850 GLENWOOD	0.0776	65%	0.0504	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	28 ELSIE	0.0718	65%	0.0467	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	499 FERRY EAST	0.1001	65%	0.0651	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	157 NEVADA	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	481 NORTHLAND	0.0645	65%	0.0419	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO053	326 NORTHAMPTON	0.1113	65%	0.0723	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	265 FLORIDA	0.1162	65%	0.0755	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO053	2014 FILLMORE	0.0864	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	289 BOX	0.0865	65%	0.0562	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	120 ZENNER	0.0758	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	41 CARL	0.0937	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	17 FRENCH	0.0950	65%	0.0617	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	20 ADA	0.0343	65%	0.0223	Vacant Land	65	0.635	0.9	0.0016	0	0.050	0.9	0.0001	0.0015
CSO053	352 BOX	0.0851	65%	0.0553	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	569 GOODYEAR	0.0044	65%	0.0029	Vacant Land	65	0.635	0.9	0.0002	0	0.050	0.9	0.0000	0.0002
CSO053	330 PURDY	0.0461	65%	0.0299	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO053	25 SIDNEY	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	213 SOUTHAMPTON	0.0876	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	18 RUSTIC	0.0701	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	88 DAVIDSON	0.0710	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	32 SANFORD	0.0857	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	200 MASTEN	0.0856	65%	0.0557	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	414 LEROY	0.0854	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	120 LONGVIEW	0.0809	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	24 DORRIS	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	261 BISSELL	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	166 LANDON	0.0962	65%	0.0625	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	88 SATTLER	0.0810	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	256 BOX	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	324 PURDY	0.0622	65%	0.0404	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0027
CSO053	499 MASTEN	0.0562	65%	0.0365	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	60 LANDON	0.0982	65%	0.0638	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	153 RAPIN	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	77 ALMA	0.0827	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	240 NORTHAMPTON	0.1121	65%	0.0729	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	264 CARL	0.0636	65%	0.0414	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	119 ZENNER	0.0787	65%	0.0512	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO053	495 RILEY	0.0697	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	539 FERRY EAST	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	205 LANDON	0.0928	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	285 BISSELL	0.0716	65%	0.0466	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	316 PURDY	0.0606	65%	0.0394	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	950 HUMBOLDT	0.0861	65%	0.0559	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	95 URBAN	0.1230	65%	0.0799	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO053	131 MASTEN	0.0875	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO053	22 SHAWNEE	0.0630	65%	0.0410	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	1305 MICHIGAN	0.0805	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	1292 MICHIGAN	0.0905	65%	0.0588	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	656 NORFOLK	0.0874	65%	0.0568	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	75 LANGMEYER	0.0817	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	59 SCHRECK	0.0819	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	43 ANTWERP	0.0737	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	183 GOULDING	0.0866	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	342 FRENCH	0.0976	65%	0.0634	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	364 MAY	0.0751	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	135 LANDON	0.0927	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	42 DOAT	0.0532	65%	0.0346	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO053	380 ROEHRER	0.0356	65%	0.0231	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO053	1679 FILLMORE	0.1749	65%	0.1137	Vacant Land	65	0.635	0.9	0.0083	0	0.050	0.9	0.0007	0.0077
CSO053	190 BOX	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	328 PURDY	0.0611	65%	0.0397	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO053	42 GLENDALE	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1201 DELAVAN EAST	0.0809	65%	0.0526	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0035
CSO053	374 NORTHAMPTON	0.0735	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	378 NORTHAMPTON	0.0885	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	58 ZENNER	0.0753	65%	0.0489	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	162 FRENCH	0.0942	65%	0.0612	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	101 THEODORE	0.0784	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	14 ERNST	0.0568	65%	0.0369	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	99 SCHUELE	0.1005	65%	0.0653	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	28 CELTIC	0.0949	65%	0.0617	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO053	86 NEVADA	0.0633	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	507 WOODLAWN	0.0698	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	238 KEHR	0.0600	65%	0.0390	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO053	68 NORTHUMBERLAND	0.0848	65%	0.0551	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	2087 BAILEY	0.0851	65%	0.0553	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO053	374 LANDON	0.0928	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	121 CHESTER	0.0560	65%	0.0364	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO053	104 FOUGERON	0.1238	65%	0.0805	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO053	278 NORTHAMPTON	0.1138	65%	0.0740	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	199 RILEY	0.2037	65%	0.1324	Vacant Land	65	0.635	0.9	0.0097	0	0.050	0.9	0.0008	0.0089
CSO053	18 GERHARDT	0.0906	65%	0.0589	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	184 EATON	0.1133	65%	0.0737	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
CSO053	155 GOEMBEL	0.0741	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO053	28 SANFORD	0.0902	65%	0.0586	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	81 SOUTHAMPTON	0.0370	65%	0.0240	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0016
CSO053	21 ADA	0.0309	65%	0.0201	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO053	69 SCHRECK	0.0824	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	74 LARK	0.0583	65%	0.0379	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	35 WYOMING	0.0819	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	51 TEXAS	0.1009	65%	0.0656	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	26 ZENNER	0.0756	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	418 RILEY	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	58 WOEPPEL	0.0823	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	317 KEHR	0.1171	65%	0.0761	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO053	17 WOODLAWN EAST	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	96 BOX	0.0824	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	272 BISSELL	0.0734	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	41 GERHARDT	0.0983	65%	0.0639	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	143 MONTANA	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	56 NORTHLAND	0.1174	65%	0.0763	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO053	269 BISSELL	0.0699	65%	0.0454	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	72 ELLER	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	2072 BAILEY	0.0764	65%	0.0497	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO053	145 WINSLOW	0.0695	65%	0.0452	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO053	594 GOODYEAR	0.0733	65%	0.0477	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	147 LANDON	0.0831	65%	0.0540	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO053	899 GLENWOOD	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	738 NORTHLAND	0.0792	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	120 THEODORE	0.1305	65%	0.0848	Vacant Land	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO053	131 CHESTER	0.0555	65%	0.0361	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO053	1484 JEFFERSON	0.0896	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	317 FOUGERON	0.0933	65%	0.0607	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	236 PERSHING	0.1048	65%	0.0681	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	22 WILLOW	0.0652	65%	0.0424	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	314 DODGE	0.1182	65%	0.0769	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO053	594 DELAVAN EAST	0.1223	65%	0.0795	Vacant Land	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0054
CSO053	420 WINSLOW	0.0793	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	133 NEVADA	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	59 KILHOFFER	0.0761	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	61 MOELLER	0.0715	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	87 ALEXANDER	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	256 BISSELL	0.0736	65%	0.0478	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	168 LANDON	0.1005	65%	0.0653	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO053	1292 FERRY EAST	0.0769	65%	0.0500	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	219 BISSELL	0.0713	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	518 RILEY	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	63 WARRING	0.0653	65%	0.0425	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO053	299 BISSELL	0.0592	65%	0.0385	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO053	50 WINSLOW	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	34 WARRING	0.0937	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO053	985 NORTHLAND	0.0675	65%	0.0439	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	676 NORTHUMBERLAND	0.0849	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	37 LANGMEYER	0.0824	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	583 GRIDER	0.0988	65%	0.0642	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	328 WYOMING	0.1295	65%	0.0842	Vacant Land	65	0.635	0.9	0.0062	0	0.050	0.9	0.0005	0.0057
CSO053	43 GERHARDT	0.0979	65%	0.0637	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO053	490 GOODYEAR	0.0696	65%	0.0453	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO053	216 PERSHING	0.1033	65%	0.0671	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	148 FOUGERON	0.1030	65%	0.0669	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	189 COURTLAND	0.0740	65%	0.0481	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	60 FRENCH	0.0927	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO053	420 WOHLERS	0.0837	65%	0.0544	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	63 NAVEL	0.0818	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	211 LAUREL	0.0750	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	334 BOX	0.0849	65%	0.0552	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	17 DUPONT	0.0750	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	132 MONTANA	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	177 KINGSLEY	0.0633	65%	0.0412	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO053	274 NORTHAMPTON	0.1107	65%	0.0719	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO053	483 NORTHAMPTON	0.0880	65%	0.0572	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	709 RILEY	0.0712	65%	0.0463	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO053	418 LEROY	0.0864	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	71 WESTMINSTER	0.0750	65%	0.0488	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	24 MARIGOLD	0.0841	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	54 ERICSON	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	47 MOELLER	0.0721	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	134 ELLER	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	626 WOODLAWN	0.1058	65%	0.0688	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO053	1736 GENESEE	0.0840	65%	0.0546	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO053	127 MONTANA	0.0731	65%	0.0475	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	36 HURLOCK	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	113 KINGSLEY	0.0806	65%	0.0524	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	80 RILEY	0.0736	65%	0.0479	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO053	148 WENDE	0.0790	65%	0.0514	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	373 NORTHAMPTON	0.0884	65%	0.0575	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	162 SOUTHAMPTON	0.0916	65%	0.0595	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO053	660 RILEY	0.0673	65%	0.0438	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO053	80 ROEHRER	0.0778	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO053	1145 DELAVAN EAST	0.0895	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO053	468 DODGE	0.0811	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	175 ROEHRER	0.0822	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	427 UTICA EAST	0.0975	65%	0.0634	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO053	428 WOHLERS	0.0869	65%	0.0565	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO053	505 WINSLOW	0.0797	65%	0.0518	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO053	249 KEHR	0.0720	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO053	377 WOODLAWN	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO053	31 WARRING	0.0667	65%	0.0434	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO053	64 INTER PARK	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	137 KINGSLEY	0.0826	65%	0.0537	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO053	420 DODGE	0.0912	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	252 SOUTHAMPTON	0.1028	65%	0.0668	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO053	27 CARL	0.0964	65%	0.0627	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO053	2 ALMA	0.1431	65%	0.0930	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO053	73 UTICA EAST	0.0908	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO053	1586 JEFFERSON	0.0473	65%	0.0308	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO053	214 MASTEN	0.0878	65%	0.0571	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO053	527 CORNWALL	0.1316	65%	0.0855	Vacant Land	65	0.635	0.9	0.0063	0	0.050	0.9	0.0005	0.0058
CSO053	141 FOUGERON	0.0953	65%	0.0619	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO054	134 SKILLEN	1.1151	90%	1.0036	Commercial	90	0.860	0.9	0.0719	0	0.050	0.9	0.0042	0.0677
CSO054	247 LAIRD	0.0730	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO054	48 DOYLE	0.1785	65%	0.1160	Detached Residential	65	0.635	0.9	0.0085	0	0.050	0.9	0.0007	0.0078
CSO054	44 PHILADELPHIA	0.0945	65%	0.0614	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO054	177 ROESCH	0.0748	65%	0.0486	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO054	16 NEWFIELD	0.0733	65%	0.0476	None	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO054	235 ESSER	0.1631	5%	0.0082	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0006	0.0006
CSO054	36 LAIRD	0.1962	5%	0.0098	Vacant Land	5	0.095	0.9	0.0014	0	0.050	0.9	0.0007	0.0007
CSO054	569 ONTARIO	0.0863	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO054	390 ONTARIO	0.1871	5%	0.0094	Vacant Land	5	0.095	0.9	0.0013	0	0.050	0.9	0.0007	0.0006
CSO054	248 LAIRD	0.0726	65%	0.0472	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO054	80 WILEY	0.1172	65%	0.0762	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
CSO054	504 ONTARIO	0.1044	65%	0.0679	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO054	29 ROSS	0.0689	65%	0.0448	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO054	86 CONDON	0.0722	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO054	81 DOYLE	0.0382	65%	0.0248	Vacant Land	65	0.635	0.9	0.0018	0	0.050	0.9	0.0001	0.0017
CSO054	114 HENRIETTA	0.0914	65%	0.0594	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO054	145 PHILADELPHIA	0.0988	65%	0.0642	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO054	39 BAXTER	0.0517	65%	0.0336	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO054	81 BEATRICE	0.0933	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO055	2115 FILLMORE	0.2176	90%	0.1958	Commercial	90	0.860	0.9	0.0140	0	0.050	0.9	0.0008	0.0132
CSO055	343 LEROY	0.2289	90%	0.2060	Commercial	90	0.860	0.9	0.0148	0	0.050	0.9	0.0009	0.0139
CSO055	859 TONAWANDA	0.0534	90%	0.0481	Commercial	90	0.860	0.9	0.0034	0	0.050	0.9	0.0002	0.0032
CSO055	190 MILITARY	0.0835	90%	0.0752	Commercial	90	0.860	0.9	0.0054	0	0.050	0.9	0.0003	0.0051
CSO055	2295 MAIN	0.0595	90%	0.0535	Commercial	90	0.860	0.9	0.0038	0	0.050	0.9	0.0002	0.0036
CSO055	1435 HERTEL	0.1168	90%	0.1051	Commercial	90	0.860	0.9	0.0075	0	0.050	0.9	0.0004	0.0071
CSO055	357 HERTEL	3.5244	90%	3.1719	Commercial	90	0.860	0.9	0.2273	0	0.050	0.9	0.0132	0.2141
CSO055	1057 GRANT	0.0728	90%	0.0655	Commercial	90	0.860	0.9	0.0047	0	0.050	0.9	0.0003	0.0044
CSO055	2179 FILLMORE	0.1350	90%	0.1215	Commercial	90	0.860	0.9	0.0087	0	0.050	0.9	0.0005	0.0082
CSO055	2185 FILLMORE	0.1428	90%	0.1285	Commercial	90	0.860	0.9	0.0092	0	0.050	0.9	0.0005	0.0087
CSO055	2136 FILLMORE	0.1781	90%	0.1603	Commercial	90	0.860	0.9	0.0115	0	0.050	0.9	0.0007	0.0108
CSO055	193 LEROY	0.2406	90%	0.2165	Commercial	90	0.860	0.9	0.0155	0	0.050	0.9	0.0009	0.0146
CSO055	238 ONTARIO	2.0271	40%	0.8109	Community Service / Institutional	40	0.410	0.9	0.0623	0	0.050	0.9	0.0076	0.0547
CSO055	299 LEROY	0.2241	65%	0.1457	Community Service / Institutional	65	0.635	0.9	0.0107	0	0.050	0.9	0.0008	0.0098
CSO055	316 LEROY	0.0992	65%	0.0645	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0044
CSO055	182 WAKEFIELD	0.0974	65%	0.0633	Detached Residential	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO055	14 CLAY	0.0826	65%	0.0537	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	157 JEWETT AVE	0.0843	65%	0.0548	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	124 RODNEY	0.0774	65%	0.0503	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	27 WAKEFIELD	0.0815	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO055	239 DEWEY	0.1177	65%	0.0765	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO055	162 JEWETT AVE	0.0847	65%	0.0551	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	200 DEWEY	0.1088	65%	0.0707	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO055	277 JEWETT AVE	0.0814	65%	0.0529	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	51 WADE	0.1048	65%	0.0681	Detached Residential	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO055	7 TAUNTON	0.0597	65%	0.0388	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO055	44 RIVERSIDE	0.0749	65%	0.0487	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	262 RODNEY	0.0788	65%	0.0512	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	89 JEWETT AVE	0.0533	65%	0.0346	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	99 GERMAIN	0.0683	65%	0.0444	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO055	231 JEWETT AVE	0.0986	65%	0.0641	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO055	115 RODNEY	0.0784	65%	0.0509	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	46 RESERVATION	0.0948	65%	0.0616	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO055	80 OAKWOOD EAST	0.0882	65%	0.0573	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO055	206 RODNEY	0.0793	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	2094 FILLMORE	0.1577	65%	0.1025	Detached Residential	65	0.635	0.9	0.0075	0	0.050	0.9	0.0006	0.0069
CSO055	89 LEROY	0.1021	65%	0.0664	Detached Residential	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO055	195 VICTORIA	0.0794	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	35 BREWSTER	0.0522	65%	0.0339	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	205 JEWETT AVE	0.0855	65%	0.0556	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO055	37 MERRIMAC	0.0753	65%	0.0489	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	60 GRACE	0.0236	65%	0.0153	Detached Residential	65	0.635	0.9	0.0011	0	0.050	0.9	0.0001	0.0010
CSO055	120 RODNEY	0.0785	65%	0.0510	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	239 JEWETT AVE	0.0903	65%	0.0587	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO055	192 RODNEY	0.0871	65%	0.0566	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO055	129 VICTORIA	0.0812	65%	0.0528	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	61 GALLATIN	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO055	77 HILL	0.0867	65%	0.0563	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO055	253 JEWETT AVE	0.0836	65%	0.0544	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	65 HILL	0.0895	65%	0.0581	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO055	18 BREWSTER	0.0509	65%	0.0331	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO055	103 HILL	0.0862	65%	0.0560	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO055	139 GERMAIN	0.0693	65%	0.0450	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO055	202 RODNEY	0.0537	65%	0.0349	Detached Residential	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO055	241 JEWETT AVE	0.0824	65%	0.0536	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	37 BREWSTER	0.0519	65%	0.0338	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	125 PROGRESSIVE	0.0919	65%	0.0597	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO055	240 LEROY	0.0797	65%	0.0518	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	67 HILL	0.0877	65%	0.0570	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO055	63 HILL	0.0885	65%	0.0575	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO055	97 HILL	0.0850	65%	0.0552	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	393 LEROY	0.0910	65%	0.0591	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO055	189 JEWETT AVE	0.0835	65%	0.0543	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	359 LEROY	0.2111	65%	0.1372	Detached Residential	65	0.635	0.9	0.0101	0	0.050	0.9	0.0008	0.0093
CSO055	181 GRACE	0.1387	65%	0.0901	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO055	361 TAUNTON	0.1407	65%	0.0915	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0062
CSO055	274 RODNEY	0.0780	65%	0.0507	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	31 FULLER	0.1544	65%	0.1004	Detached Residential	65	0.635	0.9	0.0074	0	0.050	0.9	0.0006	0.0068
CSO055	152 VICTORIA	0.0806	65%	0.0524	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	175 JEWETT AVE	0.0823	65%	0.0535	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	97 GERMAIN	0.0646	65%	0.0420	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO055	136 RODNEY	0.0715	65%	0.0465	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO055	276 LEROY	0.1102	65%	0.0716	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO055	20 KAIL	0.0686	65%	0.0446	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO055	27 GRACE	0.1398	65%	0.0909	Detached Residential	65	0.635	0.9	0.0067	0	0.050	0.9	0.0005	0.0061
CSO055	238 JEWETT AVE	0.0917	65%	0.0596	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO055	47 LAYER	0.0806	65%	0.0524	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	92 GRACE	0.0255	65%	0.0166	Detached Residential	65	0.635	0.9	0.0012	0	0.050	0.9	0.0001	0.0011
CSO055	196 DEWEY	0.1255	65%	0.0816	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO055	150 PETER	0.0689	65%	0.0448	Detached Residential	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO055	193 JEWETT AVE	0.0815	65%	0.0530	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	287 AMHERST ST	0.1364	65%	0.0887	Detached Residential	65	0.635	0.9	0.0065	0	0.050	0.9	0.0005	0.0060
CSO055	99 RODNEY	0.0767	65%	0.0499	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	204 RODNEY	0.0775	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	2224 FILLMORE	0.0932	65%	0.0606	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO055	101 HILL	0.0844	65%	0.0548	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	70 ARTHUR	0.0617	65%	0.0401	Detached Residential	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO055	44 CLAY	0.0676	65%	0.0440	Detached Residential	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO055	20 WAKEFIELD	0.0796	65%	0.0517	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	28 WAKEFIELD	0.0791	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	121 LEROY	0.1345	65%	0.0874	Detached Residential	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059
CSO055	2230 FILLMORE	0.1073	65%	0.0697	Detached Residential	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO055	89 KAIL	0.0589	65%	0.0383	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO055	336 DEWEY	0.2163	65%	0.1406	Detached Residential	65	0.635	0.9	0.0103	0	0.050	0.9	0.0008	0.0095
CSO055	149 CROWLEY	0.0640	65%	0.0416	Detached Residential	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO055	80 BENNETT VILL	0.0533	65%	0.0346	Detached Residential	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	46 SAGAMORE	0.1120	65%	0.0728	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO055	241 RODNEY	0.0772	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	2317 NIAGARA	0.1263	65%	0.0821	Detached Residential	65	0.635	0.9	0.0060	0	0.050	0.9	0.0005	0.0055
CSO055	130 VICTORIA	0.0794	65%	0.0516	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	72 SANFORD	0.1213	65%	0.0788	Detached Residential	65	0.635	0.9	0.0058	0	0.050	0.9	0.0005	0.0053
CSO055	20 CALUMET	0.0827	65%	0.0538	Detached Residential	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	79 SANFORD	0.0935	65%	0.0608	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO055	2346 FILLMORE	0.1285	65%	0.0836	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO055	256 LEROY	0.0843	65%	0.0548	Detached Residential	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	134 ROYAL	0.0731	65%	0.0475	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO055	112 JEWETT AVE	0.1184	65%	0.0770	Detached Residential	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO055	236 RODNEY	0.0856	65%	0.0556	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO055	92 WAKEFIELD	0.0740	65%	0.0481	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO055	2112 NIAGARA	0.0790	65%	0.0514	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035

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						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO055	215 CHANDLER	0.3161	75%	0.2371	Industrial	75	0.725	0.9	0.0172	0	0.050	0.9	0.0012	0.0160
CSO055	140 CHANDLER	0.9554	75%	0.7166	Industrial	75	0.725	0.9	0.0520	0	0.050	0.9	0.0036	0.0484
CSO055	2575 MAIN	0.0952	90%	0.0857	Multi Family Residential	90	0.860	0.9	0.0061	0	0.050	0.9	0.0004	0.0058
CSO055	23 VICTORIA	0.0773	90%	0.0696	Multi Family Residential	90	0.860	0.9	0.0050	0	0.050	0.9	0.0003	0.0047
CSO055	429 MILITARY	0.1028	90%	0.0925	Multi Family Residential	90	0.860	0.9	0.0066	0	0.050	0.9	0.0004	0.0062
CSO055	80 RANO	0.1377	90%	0.1239	Multi Family Residential	90	0.860	0.9	0.0089	0	0.050	0.9	0.0005	0.0084
CSO055	103 THOMPSON	0.1288	65%	0.0837	Multi Family Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0057
CSO055	2236 FILLMORE	0.1105	5%	0.0055	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO055	82 GROTE	0.1936	5%	0.0097	Vacant Land	5	0.095	0.9	0.0014	0	0.050	0.9	0.0007	0.0007
CSO055	243 GROTE	0.0857	5%	0.0043	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO055	94 GROTE	0.0740	5%	0.0037	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
CSO055	69 LEROY	0.1521	5%	0.0076	Vacant Land	5	0.095	0.9	0.0011	0	0.050	0.9	0.0006	0.0005
CSO055	2137 FILLMORE	0.1171	5%	0.0059	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO055	2188 FILLMORE	0.1308	5%	0.0065	Vacant Land	5	0.095	0.9	0.0009	0	0.050	0.9	0.0005	0.0004
CSO055	300 MANHATTAN	2.9334	5%	0.1467	Vacant Land	5	0.095	0.9	0.0209	0	0.050	0.9	0.0110	0.0099
CSO055	2223 FILLMORE	0.0464	5%	0.0023	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0002	0.0002
CSO055	2221 FILLMORE	0.1780	5%	0.0089	Vacant Land	5	0.095	0.9	0.0013	0	0.050	0.9	0.0007	0.0006
CSO055	2172 FILLMORE	0.2057	5%	0.0103	Vacant Land	5	0.095	0.9	0.0015	0	0.050	0.9	0.0008	0.0007
CSO055	2139 FILLMORE	0.1407	5%	0.0070	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO055	2335 FILLMORE	1.2150	5%	0.0607	Vacant Land	5	0.095	0.9	0.0087	0	0.050	0.9	0.0046	0.0041
CSO055	729 TONAWANDA	0.0831	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO055	107 WAKEFIELD	0.0842	5%	0.0042	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO055	845 TONAWANDA	0.1051	5%	0.0053	Vacant Land	5	0.095	0.9	0.0007	0	0.050	0.9	0.0004	0.0004
CSO055	2152 FILLMORE	0.1704	5%	0.0085	Vacant Land	5	0.095	0.9	0.0012	0	0.050	0.9	0.0006	0.0006
CSO055	52 FOUNDRY	0.6585	5%	0.0329	Vacant Land	5	0.095	0.9	0.0047	0	0.050	0.9	0.0025	0.0022
CSO055	260 CHANDLER	3.6756	5%	0.1838	Vacant Land	5	0.095	0.9	0.0262	0	0.050	0.9	0.0138	0.0124
CSO055	144 HERTEL	0.1386	5%	0.0069	Vacant Land	5	0.095	0.9	0.0010	0	0.050	0.9	0.0005	0.0005
CSO055	30 ONTARIO	0.0658	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO055	134 DEWEY	0.2426	5%	0.0121	Vacant Land	5	0.095	0.9	0.0017	0	0.050	0.9	0.0009	0.0008
CSO055	144 DEWEY	0.1083	5%	0.0054	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO055	55 CHALMERS	0.6309	5%	0.0315	Vacant Land	5	0.095	0.9	0.0045	0	0.050	0.9	0.0024	0.0021
CSO055	189 RODNEY	0.0881	65%	0.0573	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO055	50 BREWSTER	0.0545	65%	0.0354	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO055	107 JEWETT AVE	0.0513	65%	0.0333	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0023
CSO055	163 JEWETT AVE	0.0842	65%	0.0547	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	323 JEWETT AVE	0.0835	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	15 BREWSTER	0.0518	65%	0.0337	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	42 ONTARIO	0.0870	65%	0.0566	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO055	298 AUSTIN	0.0773	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	127 VICTORIA	0.0815	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	169 JEWETT AVE	0.0843	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	152 PETER	0.0691	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO055	2331 FILLMORE	0.1101	65%	0.0716	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO055	240 DEWEY	0.4923	65%	0.3200	Vacant Land	65	0.635	0.9	0.0234	0	0.050	0.9	0.0018	0.0216
CSO055	72 DEWEY	0.0899	65%	0.0584	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO055	24 KAIL	0.0532	65%	0.0346	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	2340 FILLMORE	0.2760	65%	0.1794	Vacant Land	65	0.635	0.9	0.0131	0	0.050	0.9	0.0010	0.0121
CSO055	127 LEROY	0.0813	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	193 RODNEY	0.0923	65%	0.0600	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO055	68 SANFORD	0.1379	65%	0.0897	Vacant Land	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO055	23 CLAY	0.0711	65%	0.0462	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO055	134 WAKEFIELD	0.0804	65%	0.0523	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	31 WAKEFIELD	0.0808	65%	0.0525	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	70 VICTORIA	0.0793	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	79 JEWETT AVE	0.0481	65%	0.0313	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO055	2277 FILLMORE	0.1112	65%	0.0723	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO055	65 SANFORD	0.0659	65%	0.0429	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO055	414 DEWEY	0.2006	65%	0.1304	Vacant Land	65	0.635	0.9	0.0096	0	0.050	0.9	0.0008	0.0088
CSO055	114 RODNEY	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	24 BREWSTER	0.0520	65%	0.0338	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	7 BREWSTER	0.0524	65%	0.0341	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	25 CLAY	0.0777	65%	0.0505	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	35 WAKEFIELD	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	204 JEWETT AVE	0.0838	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	279 JEWETT AVE	0.0834	65%	0.0542	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	48 BREWSTER	0.0545	65%	0.0354	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO055	260 RODNEY	0.0759	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	193 DEWEY	0.0721	65%	0.0468	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO055	186 JEWETT AVE	0.0815	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	43 HILL	0.0890	65%	0.0578	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO055	209 RODNEY	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	143 HOWELL	0.0690	65%	0.0449	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO055	25 WAKEFIELD	0.0823	65%	0.0535	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	107 RODNEY	0.0789	65%	0.0513	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	22 ORCHARD	0.0519	65%	0.0337	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	26 WADE	0.0788	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	154 LEROY	0.0548	65%	0.0356	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO055	1016 GRANT	0.0876	65%	0.0569	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO055	136 WAKEFIELD	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	364 MILITARY	0.0460	65%	0.0299	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO055	102 RODNEY	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO055	210 JEWETT AVE	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	211 JEWETT AVE	0.0853	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO055	11 BREWSTER	0.0514	65%	0.0334	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0023
CSO055	128 WAKEFIELD	0.0799	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	60 WAKEFIELD	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	109 CLAY	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	138 RODNEY	0.0810	65%	0.0527	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	123 VICTORIA	0.0802	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	227 JEWETT AVE	0.0837	65%	0.0544	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO055	293 JEWETT AVE	0.0863	65%	0.0561	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO055	47 GLADSTONE	0.0759	65%	0.0493	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	101 RODNEY	0.0774	65%	0.0503	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	159 JEWETT AVE	0.0833	65%	0.0542	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	53 VICTORIA	0.0796	65%	0.0517	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	317 JEWETT AVE	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	216 LEROY	0.1102	65%	0.0716	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO055	12 HUNT	0.0872	65%	0.0567	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO055	29 WAKEFIELD	0.0854	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO055	30 BREWSTER	0.0522	65%	0.0339	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	78 VICTORIA	0.0760	65%	0.0494	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	154 RODNEY	0.0848	65%	0.0551	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	55 SANFORD	0.0506	65%	0.0329	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO055	36 BREWSTER	0.0525	65%	0.0341	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	54 HALBERT	0.0562	65%	0.0365	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO055	59 SANFORD	0.0679	65%	0.0441	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0030
CSO055	21 LEROY	0.0904	65%	0.0587	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO055	44 DEWEY	0.0716	65%	0.0465	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO055	318 LEROY	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	147 RODNEY	0.0754	65%	0.0490	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	273 RODNEY	0.0787	65%	0.0511	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0035
CSO055	256 JEWETT AVE	0.0816	65%	0.0531	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	63 SANFORD	0.0643	65%	0.0418	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO055	212 RODNEY	0.0785	65%	0.0510	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	285 RIVERSIDE	0.0683	65%	0.0444	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0030
CSO055	127 HOLDEN	0.0493	65%	0.0321	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO055	141 WAKEFIELD	0.0853	65%	0.0555	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO055	55 HALBERT	0.0651	65%	0.0423	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO055	15 WAKEFIELD	0.0820	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	182 JEWETT AVE	0.0830	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO055	319 JEWETT AVE	0.0836	65%	0.0543	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	186 DEWEY	0.0595	65%	0.0386	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO055	146 WAKEFIELD	0.0827	65%	0.0538	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	195 JEWETT AVE	0.0843	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	37 LA SALLE	0.0966	65%	0.0628	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO055	64 CRESCENT	0.0890	65%	0.0579	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO055	119 JEWETT AVE	0.0348	65%	0.0226	Vacant Land	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0015
CSO055	41 FULLER	0.1427	65%	0.0928	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063
CSO055	73 TYLER	0.0842	65%	0.0548	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	32 BREWSTER	0.0514	65%	0.0334	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0023
CSO055	274 JEWETT AVE	0.0830	65%	0.0539	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0036
CSO055	275 JEWETT AVE	0.0822	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	145 LEROY	0.0724	65%	0.0470	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
CSO055	131 RODNEY	0.0818	65%	0.0532	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	83 SANDERS	0.1352	65%	0.0879	Vacant Land	65	0.635	0.9	0.0064	0	0.050	0.9	0.0005	0.0059

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO055	88 BUSH	0.0979	65%	0.0637	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO055	38 BREWSTER	0.0518	65%	0.0337	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	223 JEWETT AVE	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	192 WAKEFIELD	0.0781	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	47 HILL	0.0928	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO055	325 JEWETT AVE	0.0845	65%	0.0549	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	56 BREWSTER	0.0615	65%	0.0399	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO055	118 VICTORIA	0.0609	65%	0.0396	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO055	86 GROTE	0.0973	65%	0.0632	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO055	41 WADE	0.1048	65%	0.0681	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO055	83 JEWETT AVE	0.0549	65%	0.0357	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO055	282 LEROY	0.0889	65%	0.0578	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO055	143 RODNEY	0.0812	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	12 WAKEFIELD	0.0312	65%	0.0203	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO055	175 RODNEY	0.0798	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	74 SANFORD	0.1174	65%	0.0763	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0052
CSO055	77 CHANDLER	0.0951	65%	0.0618	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO055	152 JEWETT AVE	0.1020	65%	0.0663	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0045
CSO055	2135 FILLMORE	0.1489	65%	0.0968	Vacant Land	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0065
CSO055	22 HEATH	0.0910	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO055	18 CALUMET	0.0739	65%	0.0480	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO055	16 WAKEFIELD	0.0935	65%	0.0607	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO055	49 VICTORIA	0.0766	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO055	193 WAKEFIELD	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	33 HILL	0.0925	65%	0.0601	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO055	47 BREWSTER	0.0523	65%	0.0340	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	276 RODNEY	0.0743	65%	0.0483	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
CSO055	21 WADE	0.1119	65%	0.0728	Vacant Land	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
CSO055	94 WAKEFIELD	0.0867	65%	0.0563	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO055	162 ROYAL	0.0619	65%	0.0402	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO055	257 JEWETT AVE	0.0853	65%	0.0554	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO055	164 RODNEY	0.0763	65%	0.0496	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	270 JEWETT AVE	0.0794	65%	0.0516	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	131 LEROY	0.0799	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	50 ALBERT	0.0706	65%	0.0459	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO055	89 BRIDGEMAN	0.0968	65%	0.0629	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO055	242 JEWETT AVE	0.0975	65%	0.0634	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO055	265 JEWETT AVE	0.0825	65%	0.0536	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	315 JEWETT AVE	0.0845	65%	0.0549	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	140 RODNEY	0.0783	65%	0.0509	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	155 VICTORIA	0.0821	65%	0.0534	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	63 WAKEFIELD	0.0815	65%	0.0530	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	2144 FILLMORE	0.1155	65%	0.0750	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0051
CSO055	245 GROTE	0.0986	65%	0.0641	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO055	10 CALUMET	0.0755	65%	0.0491	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO055	2053 HERTEL	0.0609	65%	0.0396	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO055	197 LEROY	0.0984	65%	0.0640	Vacant Land	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
CSO055	12 BREWSTER	0.0523	65%	0.0340	Vacant Land	65	0.635	0.9	0.0025	0	0.050	0.9	0.0002	0.0023
CSO055	254 LEROY	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	43 LEROY	0.0909	65%	0.0591	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO055	249 RODNEY	0.0799	65%	0.0519	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	159 CROWLEY	0.0932	65%	0.0606	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO055	126 GRACE	0.0540	65%	0.0351	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
CSO055	135 LEROY	0.0646	65%	0.0420	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO055	116 RODNEY	0.0771	65%	0.0501	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO055	14 BREWSTER	0.0513	65%	0.0333	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO055	306 LEROY	0.1236	65%	0.0803	Vacant Land	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO055	98 WAKEFIELD	0.0957	65%	0.0622	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
CSO055	41 HILL	0.0900	65%	0.0585	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO055	153 LEROY	0.1127	65%	0.0733	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0049
CSO055	48 WAKEFIELD	0.0787	65%	0.0512	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	31 MILITARY	0.0493	65%	0.0320	Vacant Land	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0022
CSO055	123 LEROY	0.1429	65%	0.0929	Vacant Land	65	0.635	0.9	0.0068	0	0.050	0.9	0.0005	0.0063
CSO055	18 HUNT	0.0821	65%	0.0533	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	11 CUSTER	0.0749	65%	0.0487	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
CSO055	195 WAKEFIELD	0.0814	65%	0.0529	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
CSO055	8 BREWSTER	0.0508	65%	0.0330	Vacant Land	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO055	134 RODNEY	0.0801	65%	0.0520	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	165 JEWETT AVE	0.0837	65%	0.0544	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO055	8 PEORIA	0.0951	65%	0.0618	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO055	35 PETER	0.1729	65%	0.1124	Vacant Land	65	0.635	0.9	0.0082	0	0.050	0.9	0.0006	0.0076
CSO055	46 SHIRLEY	0.0971	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO055	33 PETER	0.0802	65%	0.0521	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO055	26 HEATH	0.1148	65%	0.0746	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO055	276 JEWETT AVE	0.0869	65%	0.0565	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO059	130 HAWLEY	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO059	134 HAWLEY	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
CSO059	49 HAWLEY	0.0926	65%	0.0602	Detached Residential	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO059	26 HAWLEY	0.0903	65%	0.0587	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO059	74 HAWLEY	0.0659	65%	0.0429	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
CSO059	51 HAWLEY	0.0923	65%	0.0600	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO059	104 BRADLEY	0.0602	65%	0.0392	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0026
CSO059	37 DART	0.0929	65%	0.0604	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO059	46 DART	0.0919	65%	0.0597	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO059	38 HAWLEY	0.0792	65%	0.0515	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO059	566 GRANT	0.0898	65%	0.0583	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO059	113 HAWLEY	0.0899	65%	0.0584	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO059	110 BRADLEY	0.0672	65%	0.0437	Vacant Land	65	0.635	0.9	0.0032	0	0.050	0.9	0.0003	0.0029
CSO059	53 DANFORTH	0.0862	65%	0.0560	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
CSO059	65 BRADLEY	0.0803	65%	0.0522	Vacant Land	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035

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CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO059	23 DANFORTH	0.1381	65%	0.0897	Vacant Land	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
CSO059	47 HAWLEY	0.0929	65%	0.0604	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
CSO059	148 REES	0.1079	65%	0.0701	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO059	132 HAWLEY	0.0772	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO059	22 HAWLEY	0.0701	65%	0.0456	Vacant Land	65	0.635	0.9	0.0033	0	0.050	0.9	0.0003	0.0031
CSO059	71 HAWLEY	0.0907	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO059	63 DART	0.1285	65%	0.0836	Vacant Land	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO059	146 BRADLEY	0.0390	65%	0.0253	Vacant Land	65	0.635	0.9	0.0019	0	0.050	0.9	0.0001	0.0017
CSO059	53 BRADLEY	0.0782	65%	0.0508	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO059	100 BRADLEY	0.0567	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO059	33 BRADLEY	0.0452	65%	0.0294	Vacant Land	65	0.635	0.9	0.0022	0	0.050	0.9	0.0002	0.0020
CSO059	102 BRADLEY	0.0616	65%	0.0401	Vacant Land	65	0.635	0.9	0.0029	0	0.050	0.9	0.0002	0.0027
CSO059	50 HAWLEY	0.0911	65%	0.0592	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO059	630 GRANT	0.1049	65%	0.0682	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
CSO059	30 HAWLEY	0.0896	65%	0.0582	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
CSO060	429 FOREST	0.1002	65%	0.0652	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO064	160 MACKINAW	0.0852	65%	0.0554	Detached Residential	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0037
CSO064	236 MIAMI	0.1095	65%	0.0712	Detached Residential	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
CSO064	460 OHIO	0.0801	65%	0.0521	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
CSO064	191 KENTUCKY	0.0598	65%	0.0389	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO064	75 LOUISIANA	0.0512	65%	0.0333	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
CSO064	268 MIAMI	0.1242	65%	0.0807	Detached Residential	65	0.635	0.9	0.0059	0	0.050	0.9	0.0005	0.0054
CSO064	239 ALABAMA	0.0580	65%	0.0377	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO064	189 KENTUCKY	0.0592	65%	0.0385	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO064	179 MACKINAW	0.0579	65%	0.0377	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0025
CSO064	159 SIDWAY	0.0477	65%	0.0310	Detached Residential	65	0.635	0.9	0.0023	0	0.050	0.9	0.0002	0.0021
CSO064	27 SOUTH	0.0649	65%	0.0422	Detached Residential	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0028
CSO064	148 TENNESSEE	0.0891	65%	0.0579	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO064	155 SIDWAY	0.0729	65%	0.0474	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO064	219 MACKINAW	0.0584	65%	0.0379	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO064	234 ALABAMA	0.0360	65%	0.0234	Detached Residential	65	0.635	0.9	0.0017	0	0.050	0.9	0.0001	0.0016
CSO064	151 LOUISIANA	0.0592	65%	0.0385	Detached Residential	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO064	315 FULTON	0.1010	65%	0.0657	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO064	178 MIAMI	0.1272	65%	0.0827	Detached Residential	65	0.635	0.9	0.0061	0	0.050	0.9	0.0005	0.0056
CSO064	295 FULTON	0.0891	5%	0.0045	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
CSO064	5 MIAMI	3.3836	5%	0.1692	Vacant Land	5	0.095	0.9	0.0241	0	0.050	0.9	0.0127	0.0114
CSO064	222 MACKINAW	0.0520	5%	0.0026	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO064	577 SOUTH PARK	0.1126	5%	0.0056	Vacant Land	5	0.095	0.9	0.0008	0	0.050	0.9	0.0004	0.0004
CSO064	115 CHICAGO	0.0439	5%	0.0022	Vacant Land	5	0.095	0.9	0.0003	0	0.050	0.9	0.0002	0.0001
CSO064	505 SOUTH PARK	0.0520	5%	0.0026	Vacant Land	5	0.095	0.9	0.0004	0	0.050	0.9	0.0002	0.0002
CSO064	206 MIAMI	0.2541	65%	0.1652	Vacant Land	65	0.635	0.9	0.0121	0	0.050	0.9	0.0010	0.0111
CSO064	586 SOUTH PARK	0.1037	65%	0.0674	Vacant Land	65	0.635	0.9	0.0049	0	0.050	0.9	0.0004	0.0046
CSO064	66 O CONNELL	0.0573	65%	0.0372	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO064	242 ALABAMA	0.0633	65%	0.0411	Vacant Land	65	0.635	0.9	0.0030	0	0.050	0.9	0.0002	0.0028
CSO064	73 LOUISIANA	0.0442	65%	0.0288	Vacant Land	65	0.635	0.9	0.0021	0	0.050	0.9	0.0002	0.0019

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
CSO064	83 LOUISIANA	0.0562	65%	0.0365	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO064	324 KATHERINE	0.0907	65%	0.0590	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO064	246 ALABAMA	0.0323	65%	0.0210	Vacant Land	65	0.635	0.9	0.0015	0	0.050	0.9	0.0001	0.0014
CSO064	91 LOUISIANA	0.0566	65%	0.0368	Vacant Land	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
CSO064	344 KATHERINE	0.1770	65%	0.1151	Vacant Land	65	0.635	0.9	0.0084	0	0.050	0.9	0.0007	0.0078
CSO064	233 HAMBURG	0.1071	65%	0.0696	Vacant Land	65	0.635	0.9	0.0051	0	0.050	0.9	0.0004	0.0047
CSO064	209 MACKINAW	0.0728	65%	0.0473	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0032
CSO064	154 MACKINAW	0.0838	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
CSO064	41 SOUTH	0.1008	65%	0.0655	Vacant Land	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0044
CSO064	71 LOUISIANA	0.0778	65%	0.0506	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
CSO064	323 FULTON	0.0971	65%	0.0631	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO064	175 KENTUCKY	0.0597	65%	0.0388	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO064	195 KENTUCKY	0.0591	65%	0.0384	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
CSO064	231 ALABAMA	0.1148	65%	0.0746	Vacant Land	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
CSO066	132 DINGENS	13.2047	90%	11.8842	Commercial	90	0.860	0.9	0.8517	0	0.050	0.9	0.0495	0.8022
CSO066	301 DINGENS	0.0714	65%	0.0464	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO066	1955 BROADWAY	0.0708	65%	0.0460	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0031
CSO066	441 SCHILLER	0.0872	65%	0.0567	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
CSO066	115 BENZINGER	0.0912	65%	0.0593	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO066	399 BENZINGER	0.0949	65%	0.0617	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO066	251 GOLD	0.0904	65%	0.0587	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO066	174 REIMAN	0.1487	65%	0.0966	Detached Residential	65	0.635	0.9	0.0071	0	0.050	0.9	0.0006	0.0065
CSO066	244 OGDEN NORTH	0.5524	9%	0.0497	Recreation	9	0.131	0.9	0.0054	0	0.050	0.9	0.0021	0.0034
CSO066	1274 LOVEJOY	0.0657	5%	0.0033	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0002	0.0002
CSO066	157 GOLD	0.0937	65%	0.0609	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO066	414 GOLD	0.0948	65%	0.0616	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO066	359 DAVEY	0.0913	65%	0.0594	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0040
CSO066	75 REIMAN	0.0913	65%	0.0593	Vacant Land	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
CSO066	67 GOETHE	0.0889	65%	0.0578	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
CSO066	1989 BROADWAY	0.0940	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO066	38 SCHILLER	0.0939	65%	0.0611	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0041
CSO066	416 GOLD	0.0954	65%	0.0620	Vacant Land	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
CSO066	159 REIMAN	0.0969	65%	0.0630	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0043
CSO066	296 DAVEY	0.1902	65%	0.1236	Vacant Land	65	0.635	0.9	0.0091	0	0.050	0.9	0.0007	0.0083
CSO066	391 BENZINGER	0.0927	65%	0.0603	Vacant Land	65	0.635	0.9	0.0044	0	0.050	0.9	0.0003	0.0041
N/A (Non-Mo	2195 SENECA	0.0980	90%	0.0882	Commercial	90	0.860	0.9	0.0063	0	0.050	0.9	0.0004	0.0060
N/A (Non-Mo	11 YALE	0.1146	65%	0.0745	Detached Residential	65	0.635	0.9	0.0055	0	0.050	0.9	0.0004	0.0050
N/A (Non-Mo	20 BUFFUM	0.0504	65%	0.0328	Detached Residential	65	0.635	0.9	0.0024	0	0.050	0.9	0.0002	0.0022
N/A (Non-Mo	2132 SENECA	0.0773	5%	0.0039	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
N/A (Non-Mo	2165 SENECA	0.2343	5%	0.0117	Vacant Land	5	0.095	0.9	0.0017	0	0.050	0.9	0.0009	0.0008
N/A (Non-Mo	2130 SENECA	0.0701	5%	0.0035	Vacant Land	5	0.095	0.9	0.0005	0	0.050	0.9	0.0003	0.0002
N/A (Non-Mo	69 BUFFUM	0.1132	65%	0.0736	Vacant Land	65	0.635	0.9	0.0054	0	0.050	0.9	0.0004	0.0050
N/A (Non-Mo	124 KIMMEL	0.0965	65%	0.0627	Vacant Land	65	0.635	0.9	0.0046	0	0.050	0.9	0.0004	0.0042
N/A (Non-Mo	86 PRINCETON	0.1086	65%	0.0706	Vacant Land	65	0.635	0.9	0.0052	0	0.050	0.9	0.0004	0.0048
N/A (Non-Mo	47 GEARY	0.0722	65%	0.0469	Vacant Land	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres	LandUse	Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
						I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
N/A (Non-Mo	20 ZITTEL	0.0773	65%	0.0502	Vacant Land	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
N/A (Storm)	1779 SOUTH PARK	0.3506	90%	0.3155	Commercial	90	0.860	0.9	0.0226	0	0.050	0.9	0.0013	0.0213
N/A (Storm)	1711 SOUTH PARK	0.0989	65%	0.0643	Detached Residential	65	0.635	0.9	0.0047	0	0.050	0.9	0.0004	0.0043
N/A (Storm)	140 SAGE	0.2777	65%	0.1805	Detached Residential	65	0.635	0.9	0.0132	0	0.050	0.9	0.0010	0.0122
N/A (Storm)	1749 SOUTH PARK	0.2755	90%	0.2479	Multi Family Residential	90	0.860	0.9	0.0178	0	0.050	0.9	0.0010	0.0167
N/A (Storm)	364 BARAGA	4.2069	5%	0.2103	Vacant Land	5	0.095	0.9	0.0300	0	0.050	0.9	0.0158	0.0142
N/A (Storm)	45 FITZGERALD	0.1466	65%	0.0953	Vacant Land	65	0.635	0.9	0.0070	0	0.050	0.9	0.0005	0.0064
N/A (Storm)	23 FITZGERALD	0.0657	65%	0.0427	Vacant Land	65	0.635	0.9	0.0031	0	0.050	0.9	0.0002	0.0029
N/A (Storm)	6 TAYLOR	0.0538	65%	0.0350	Vacant Land	65	0.635	0.9	0.0026	0	0.050	0.9	0.0002	0.0024
N/A (Storm)	890 TIFFT	7.5107	65%	4.8820	Wild / Forested / Conservation	65	0.635	0.9	0.3577	0	0.050	0.9	0.0282	0.3295
Quarry	3229 BAILEY	0.0846	90%	0.0761	Commercial	90	0.860	0.9	0.0055	0	0.050	0.9	0.0003	0.0051
Quarry	3233 BAILEY	0.0811	90%	0.0729	Commercial	90	0.860	0.9	0.0052	0	0.050	0.9	0.0003	0.0049
Quarry	3272 BAILEY	0.3828	90%	0.3445	Commercial	90	0.860	0.9	0.0247	0	0.050	0.9	0.0014	0.0233
Quarry	3241 BAILEY	0.0811	90%	0.0730	Commercial	90	0.860	0.9	0.0052	0	0.050	0.9	0.0003	0.0049
Quarry	1356 KENSINGTON	0.0773	65%	0.0502	Commercial	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
Quarry	228 WESTMINSTER	0.0563	65%	0.0366	Detached Residential	65	0.635	0.9	0.0027	0	0.050	0.9	0.0002	0.0025
Quarry	1318 KENSINGTON	0.0773	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
Quarry	685 MINNESOTA	0.1018	65%	0.0662	Detached Residential	65	0.635	0.9	0.0048	0	0.050	0.9	0.0004	0.0045
Quarry	334 HEWITT	0.0743	65%	0.0483	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
Quarry	414 LA SALLE	0.0947	65%	0.0615	Detached Residential	65	0.635	0.9	0.0045	0	0.050	0.9	0.0004	0.0042
Quarry	130 ROUNDS	0.0803	65%	0.0522	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
Quarry	99 WESTMINSTER	0.0744	65%	0.0484	Detached Residential	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
Quarry	129 PARKRIDGE	0.0905	65%	0.0588	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0040
Quarry	99 CLARENCE	0.0767	65%	0.0498	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
Quarry	620 LA SALLE	0.0879	65%	0.0572	Detached Residential	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0039
Quarry	93 CLARENCE	0.0775	65%	0.0504	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
Quarry	446 STOCKBRIDGE	0.0765	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
Quarry	625 LA SALLE	0.0722	65%	0.0469	Detached Residential	65	0.635	0.9	0.0034	0	0.050	0.9	0.0003	0.0032
Quarry	417 STOCKBRIDGE	0.0766	65%	0.0498	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
Quarry	164 PARKRIDGE	0.0899	65%	0.0584	Detached Residential	65	0.635	0.9	0.0043	0	0.050	0.9	0.0003	0.0039
Quarry	346 SHIRLEY	0.0788	65%	0.0512	Detached Residential	65	0.635	0.9	0.0038	0	0.050	0.9	0.0003	0.0035
Quarry	527 LA SALLE	0.1108	65%	0.0720	Detached Residential	65	0.635	0.9	0.0053	0	0.050	0.9	0.0004	0.0049
Quarry	431 HEWITT	0.0773	65%	0.0502	Detached Residential	65	0.635	0.9	0.0037	0	0.050	0.9	0.0003	0.0034
Quarry	58 CLARENCE	0.0764	65%	0.0497	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034
Quarry	244 COMSTOCK	0.0763	65%	0.0496	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
Quarry	257 MINNESOTA	0.1393	65%	0.0905	Detached Residential	65	0.635	0.9	0.0066	0	0.050	0.9	0.0005	0.0061
Quarry	77 CLARENCE	0.0753	65%	0.0490	Detached Residential	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
Quarry	574 LISBON	0.0824	5%	0.0041	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
Quarry	3364 BAILEY	0.4218	5%	0.0211	Vacant Land	5	0.095	0.9	0.0030	0	0.050	0.9	0.0016	0.0014
Quarry	3250 BAILEY	0.0882	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
Quarry	3351 BAILEY	0.0870	5%	0.0044	Vacant Land	5	0.095	0.9	0.0006	0	0.050	0.9	0.0003	0.0003
Quarry	442 BERKSHIRE	0.0757	65%	0.0492	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
Quarry	256 HEWITT	0.1168	65%	0.0759	Vacant Land	65	0.635	0.9	0.0056	0	0.050	0.9	0.0004	0.0051
Quarry	414 STOCKBRIDGE	0.0742	65%	0.0482	Vacant Land	65	0.635	0.9	0.0035	0	0.050	0.9	0.0003	0.0033
Quarry	514 STOCKBRIDGE	0.0765	65%	0.0498	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0034

Calculated in accordance with the NYS Stormwater Management Design Manual (2010).

CSO	Address	Total Property Acres	Percent Impervious	Impervious Acres		Pre-Conditions				Post-Conditions				Runoff Reduction (acre-feet)
					LandUse	I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
Quarry	451 STOCKBRIDGE	0.0762	65%	0.0495	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
Quarry	898 KENSINGTON	0.0874	65%	0.0568	Vacant Land	65	0.635	0.9	0.0042	0	0.050	0.9	0.0003	0.0038
Quarry	137 HEWITT	0.0839	65%	0.0545	Vacant Land	65	0.635	0.9	0.0040	0	0.050	0.9	0.0003	0.0037
Quarry	567 STOCKBRIDGE	0.0595	65%	0.0387	Vacant Land	65	0.635	0.9	0.0028	0	0.050	0.9	0.0002	0.0026
Quarry	312 DARTMOUTH	0.0747	65%	0.0485	Vacant Land	65	0.635	0.9	0.0036	0	0.050	0.9	0.0003	0.0033
Quarry	3263 BAILEY	0.0858	65%	0.0558	Vacant Land	65	0.635	0.9	0.0041	0	0.050	0.9	0.0003	0.0038
Quarry	3246 BAILEY	0.1056	65%	0.0686	Vacant Land	65	0.635	0.9	0.0050	0	0.050	0.9	0.0004	0.0046
Quarry	265 STOCKBRIDGE	0.0813	65%	0.0528	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
Quarry	497 STOCKBRIDGE	0.0729	50%	0.0364	Vacant Land	50	0.500	0.9	0.0027	0	0.050	0.9	0.0003	0.0025
Quarry	288 BERKSHIRE	0.0829	65%	0.0539	Vacant Land	65	0.635	0.9	0.0039	0	0.050	0.9	0.0003	0.0036
	360 MINERAL SPRING	1.4986	65%	0.9741	Vacant Land	65	0.635	0.9	0.0714	0	0.050	0.9	0.0056	0.0658

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Appendix 7-2: Fillmore Project Details (GI Related Components Only)

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CITY OF BUFFALO
DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS
DIVISION OF ENGINEERING

PROPOSAL

MILL, OVERLAY AND STREETSCAPE PROJECT
FILLMORE AVENUE
NORTH PARADE AVENUE TO EAST FERRY STREET
P.I.N. 5757.76
Erie County, City of Buffalo

Byron W. Brown
Mayor

Steven J. Stepniak
Commissioner

Peter J. Merlo, P.E.
City Engineer

March, 2013

5) **Establishing Turf (Lawns) at the "Green Infrastructure Sites"** The parcels at #1279, #1374-#1388, #1401, #1458 and #1460 are to be restored with topsoil and turf to establish low growing (or No Mow) lawns at these sites as shown on Drawing No.'s: GIP-01 through GIP-05. For these sites, lawn shall be established in accordance with the following specifications (in lieu of the requirements contained in Item 610.1602 unless otherwise directed by the Engineer at these particular locations):

A. SEED

All species and their cultivars or varieties must be disease and insect resistant, not considered noxious or invasive, guaranteed hardy and adapted for the locality, and among the top 25% of commercially-available seed types as rated by NTEP (National Turfgrass Evaluation Program). Cultivars infected with non-pathogenic (non-disease causing) fungal endophytes are preferred, if available. Experimental varieties should be excluded. Seed should be fresh, clean, new-crop seed obtained from an approved seed house and harvested during the previous year with minimum germination of 70 percent and minimum purity of 85 percent.

Material other than pure live seed shall comprise only nonviable seed, chaff, hulls, live seed of crop plants other than those specified, harmless inert matter and non-noxious, non-invasive weed species seeds. Non-noxious, non-invasive species weed seeds will be permitted up to 0.25% of the gross weight of each seed mixture. Seeding mixtures shall be composed of perennial (except for annual rye) grasses suited to the site conditions, use, soils, moisture and local climate. The Contractor may propose a dormant seed additive for cold weather seeding at no additional cost to the City. The Contractor may propose an alternate range for a component of a given mix based on regional and commercial availability.

Prairie Nursery No Mow Lawn Seed Mix with Annual Rye nurse crop blend or a comparable short growing (maximum of six inches) low to No Mow variety seed blend shall be utilized.

B. SEED APPLICATION

1. Permitted application times: Fall (August 20 to October 20) or Spring (March 15 to May 15). Seeding between June 1 and August 15 is not approved.

2. Planting Methods:

a. Broadcast Seeding or Drop Seeding

i) Requires a tilled seed bed free of rocks or clumps greater than one inch in diameter

ii) Fill broadcast spreader or drop seeder and distribute at the rate of five pounds per 1,000 square feet.

iii) Cover the seed with one eight to one fourth inch of soil. Use a rake, or drag the planted area with seeding drag, or piece of chain link fence.

iv) Firm the seed into the soil by rolling with a roller, cultipacker or similar implement.

v) Mulch the planting with approximately one inch of weed free straw such as winter wheat or marsh hay.

b. Mechanical Planting with Tractor Drawn mechanical Seeders and "Slit Seeders" may be used if approved by the Engineer.

C. POST- PLANTING MAINTENANCE

1. Watering

Seeds shall be watered daily for 15-30 minutes during the first six weeks after planting. Once established the grass should only be watered during dry periods.

2. Fertilizing and Weed Control

Fertilizing is not approved for No Mow turf.

3. Mowing

The Contractor shall be responsible for mowing the established lawn if directed by the Engineer. If required, mowing shall be no closer than three inches and shall preferably be done at four inches when the seed heads appear. Do not mow late in the season after the lawn areas have has been allowed to reach their full height. In fall, as directed by the Engineer, the Contractor shall mow the lawn areas with a mulching mower after all the leaves have dropped.

The requirements specified above shall be included in the unit price bid for Item 610.1602, Establishing Turf – Lawns.

5) **Site Investigation Report** The document entitled: SITE INVESTIGATION REPORT, INFILTRATION TESTING, 3 SITES ON FILLMORE AVENUE, BUFFALO, NY – Prepared By: SJB Services, Inc., Dated: December, 2012 is available to prospective bidders upon request.

BUFFALO SEWER AUTHORITY

Green Demo Run-off Calculation Summary

Fillmore Avenue Green Infrastructure Project

Kristopher Winkler, P.E.

January 2013

WATTS ARCHITECTURE & ENGINEERING

95 Perry Street, Suite 300
Buffalo, New York 14203
p: 716.206.5100
f: 716.206.5199

Table 1
Comparison of Existing and Proposed Hydrologic Conditions

Surface Cover Type	Existing Site Pre-Development		Proposed Site Post-Development	
	Area	Weighted CN	Area	Weighted CN
1458 Fillmore Ave	2,428 sqft (0.056 acres)	80	7,270 sqft (0.167 acres)	61**
1484 Fillmore Ave	2,641 sqft (0.061 acres)	80	7,050 sqft (0.162 acres)	61**
1279 Fillmore Ave.	9,304 sqft (0.214 acres)	80	* see note	61**

* Grading limits have not been provided for 1279 Fillmore Avenue (deep lot) but the lot is a grass area.
** Higher infiltration soils are to be installed under proposed conditions (Class B soils). These values are reasonable for 1-year storm or smaller events for these sites. The analysis assumes existing conditions are Class D soils. Class D soils have high runoff potential, and have very low infiltration rates: water transmission is 0-0.05 in/hr.

Table 2
Hydraulic Analysis

Rainfall Event	Existing Pre-Development	Post-Developed Discharge
1-Year 1458 Fillmore Ave	Q_1 = 0.06 cfs	Q_1= 0.00 cfs
1-Year 1484 Fillmore Ave	Q_1 = 0.05 cfs	Q_1= 0.00 cfs
1-Year 1279 Fillmore Ave.	Q_1 = 0.15 cfs	Q_1= 0.00 cfs**

** Grading limits have not been provided for 1279 Fillmore Avenue (deep lot), but we would be able to retain water similar to other two (2) locations, 1458 Fillmore and 1484 Fillmore.

Table 3
Existing Water Volume to Street System in cubic feet (cf)

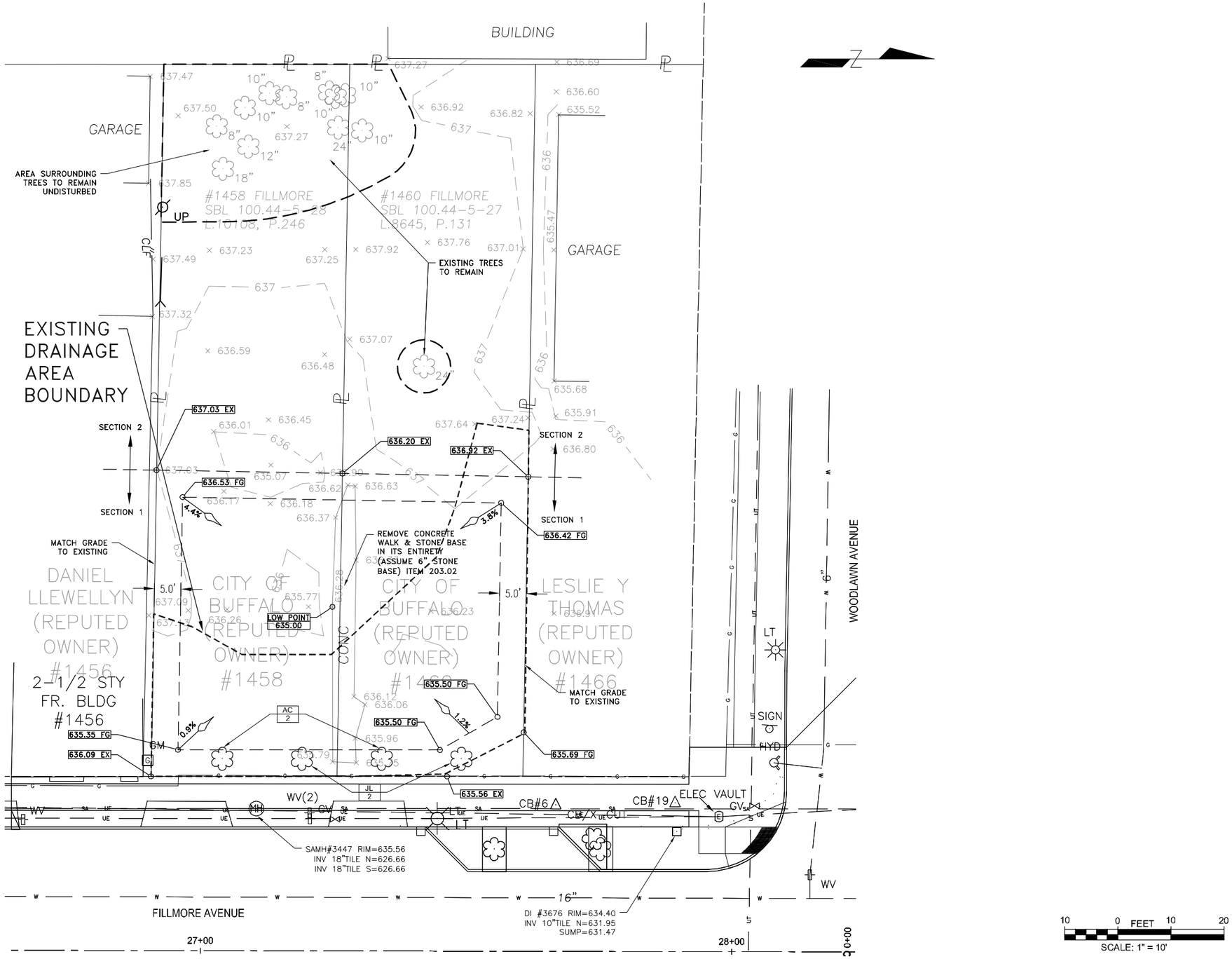
Rainfall Event	Existing Pre-Development
1-Year 1458 Fillmore Ave	V= 133 cf
1-Year 1484 Fillmore Ave	V = 144 cf
1-Year 1279 Fillmore Ave.	V = 509 cf

1458 Fillmore proposed 'green demo' site

1484 Fillmore proposed 'green demo' site

1279 Fillmore proposed 'green demo' site.

1458 Fillmore Avenue



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

FILLMORE AVENUE	PIN 5757.76
NORTH PARADE AVENUE TO EAST FERRY STREET	
CITY OF BUFFALO	
ERIE COUNTY, NEW YORK	

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

WATTS

GREEN INFRASTRUCTURE PLAN
#1458 AND #1460 FILLMORE

DRAWING NO. GPL-05

SHEET NO. XX OF XX

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GIP.DWG

DESIGN SUPERVISOR J. BIDELL | JOB MANAGER P. GALBO | DESIGN | CHECK | DRAFTING | CHECK | PROJECT MANAGER

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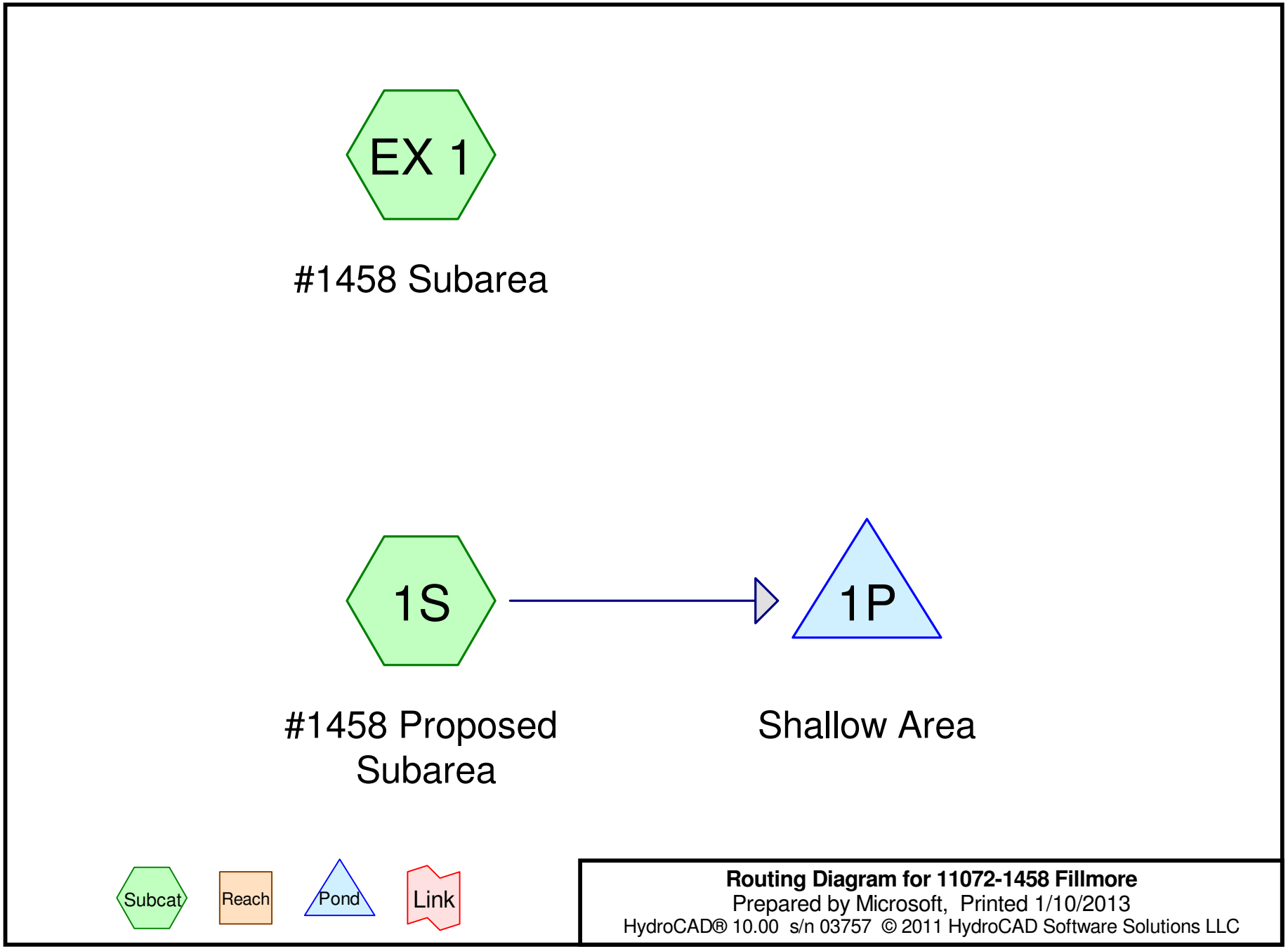

Routing Diagram for 11072-1458 Fillmore
Prepared by Microsoft, Printed 1/10/2013
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Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
7,270	61	>75% Grass cover, Good, HSG B (1S)
2,428	80	>75% Grass cover, Good, HSG D (EX 1)
9,698	**66**	**TOTAL AREA**

Soil Listing (all nodes)

Area (sq-ft)	Soil Group	Subcatchment Numbers
0	HSG A	
7,270	HSG B	1S
0	HSG C	
2,428	HSG D	EX 1
0	Other	
9,698		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
0	7,270	0	2,428	0	9,698	>75% Grass cover, Good	1S, EX 1
0	**7,270**	**0**	**2,428**	**0**	**9,698**	**TOTAL AREA**	

Time span=1.00-100.00 hrs, dt=0.01 hrs, 9901 points x 3
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: #1458 Proposed Subarea Runoff Area=7,270 sf 0.00% Impervious Runoff Depth=0.10"
Flow Length=115' Slope=0.0150 '/' Tc=14.7 min CN=61 Runoff=0.00 cfs 63 cf

Subcatchment EX 1: #1458 Subarea Runoff Area=2,428 sf 0.00% Impervious Runoff Depth=0.66"
Flow Length=73' Slope=0.0280 '/' Tc=7.9 min CN=80 Runoff=0.06 cfs 133 cf

Pond 1P: Shallow Area Peak Elev=635.08' Storage=13 cf Inflow=0.00 cfs 63 cf
Discarded=0.00 cfs 63 cf Primary=0.00 cfs 0 cf Outflow=0.00 cfs 63 cf

Total Runoff Area = 9,698 sf Runoff Volume = 196 cf Average Runoff Depth = 0.24"
100.00% Pervious = 9,698 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: #1458 Proposed Subarea

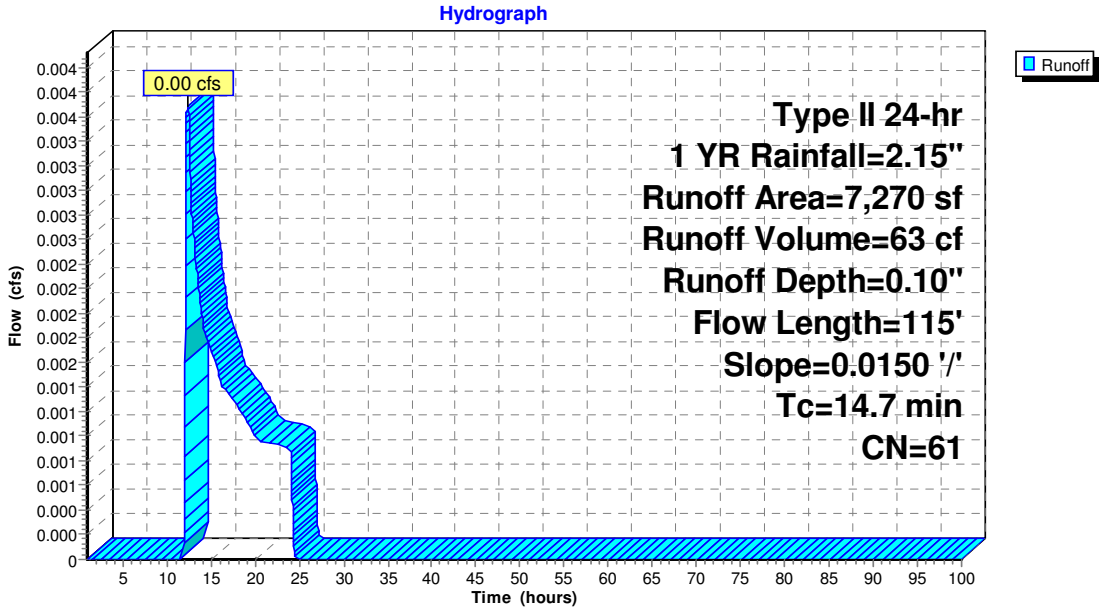
Runoff = 0.00 cfs @ 12.37 hrs, Volume= 63 cf, Depth= 0.10"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-100.00 hrs, dt= 0.01 hrs
Type II 24-hr 1 YR Rainfall=2.15"

Area (sf)	CN	Description
7,270	61	>75% Grass cover, Good, HSG B
7,270		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.7	115	0.0150	0.13		**Sheet Flow, Grass** Grass: Short n= 0.150 P2= 2.25"

Subcatchment 1S: #1458 Proposed Subarea



Summary for Subcatchment EX 1: #1458 Subarea

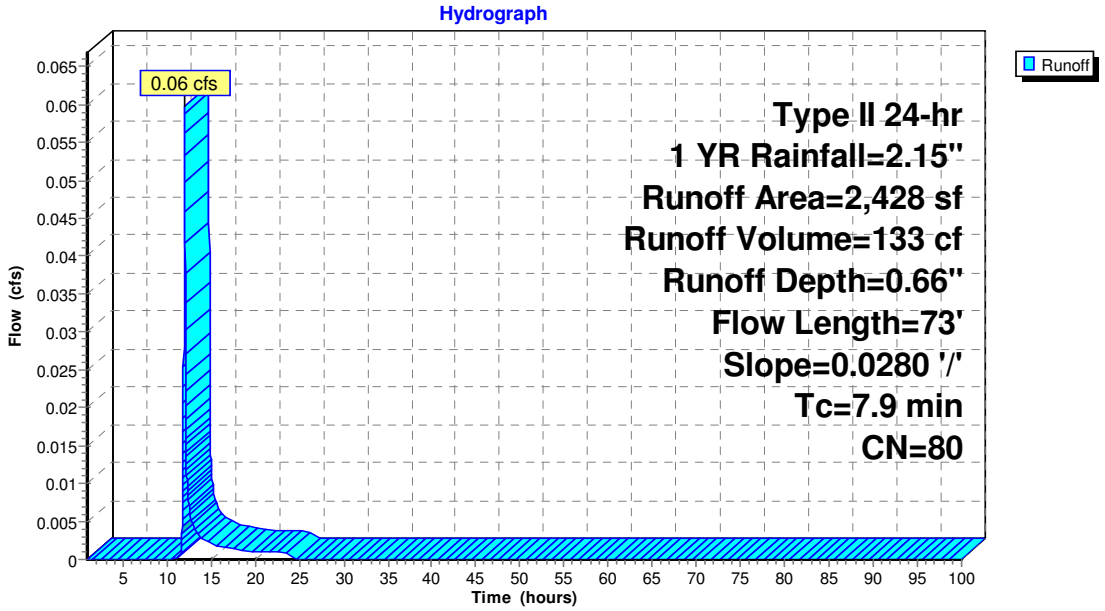
Runoff = 0.06 cfs @ 12.00 hrs, Volume= 133 cf, Depth= 0.66"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-100.00 hrs, dt= 0.01 hrs
Type II 24-hr 1 YR Rainfall=2.15"

Area (sf)	CN	Description
2,428	80	>75% Grass cover, Good, HSG D
2,428		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.9	73	0.0280	0.15		**Sheet Flow, Grass** Grass: Short n= 0.150 P2= 2.25"

Subcatchment EX 1: #1458 Subarea



Summary for Pond 1P: Shallow Area

Inflow Area = 7,270 sf, 0.00% Impervious, Inflow Depth = 0.10" for 1 YR event
Inflow = 0.00 cfs @ 12.37 hrs, Volume= 63 cf
Outflow = 0.00 cfs @ 15.76 hrs, Volume= 63 cf, Atten= 58%, Lag= 203.4 min
Discarded = 0.00 cfs @ 15.76 hrs, Volume= 63 cf
Primary = 0.00 cfs @ 1.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 1.00-100.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 635.08' @ 15.76 hrs Surf.Area= 265 sf Storage= 13 cf

Plug-Flow detention time= 112.1 min calculated for 63 cf (100% of inflow)
Center-of-Mass det. time= 112.1 min (1,118.0 - 1,005.9)

Volume	Invert	Avail.Storage	Storage Description
#1	635.00'	709 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

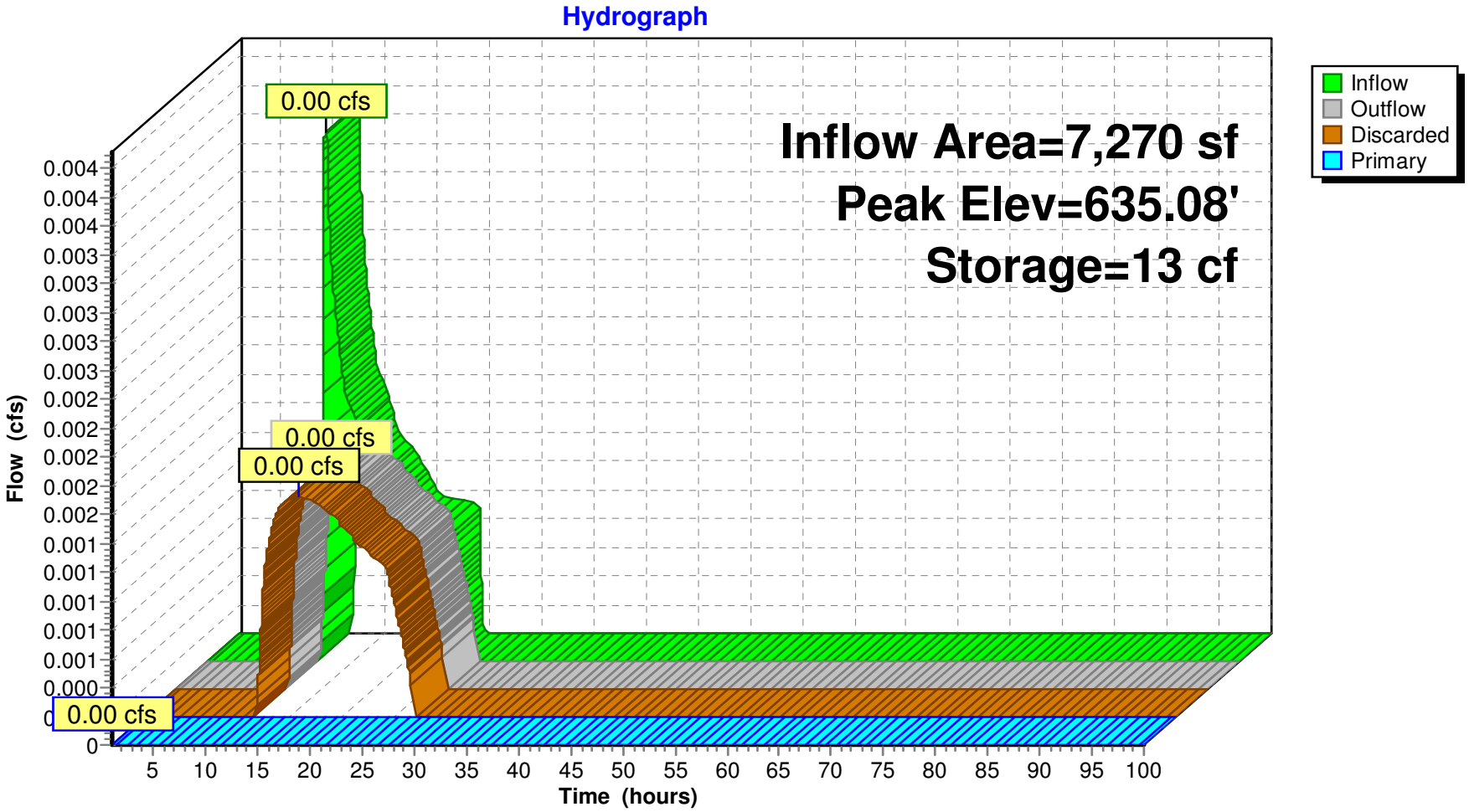
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
635.00	50	0	0
635.35	1,000	184	184
635.50	1,600	195	379
635.70	1,700	330	709

Device	Routing	Invert	Outlet Devices
#1	Discarded	635.00'	**0.250 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 0.00'
#2	Primary	635.56'	**50.0' long (Profile 17) Broad-Crested Rectangular Weir** Head (feet) 0.49 0.98 1.48 1.97 2.46 2.95 Coef. (English) 2.84 3.13 3.26 3.30 3.31 3.31

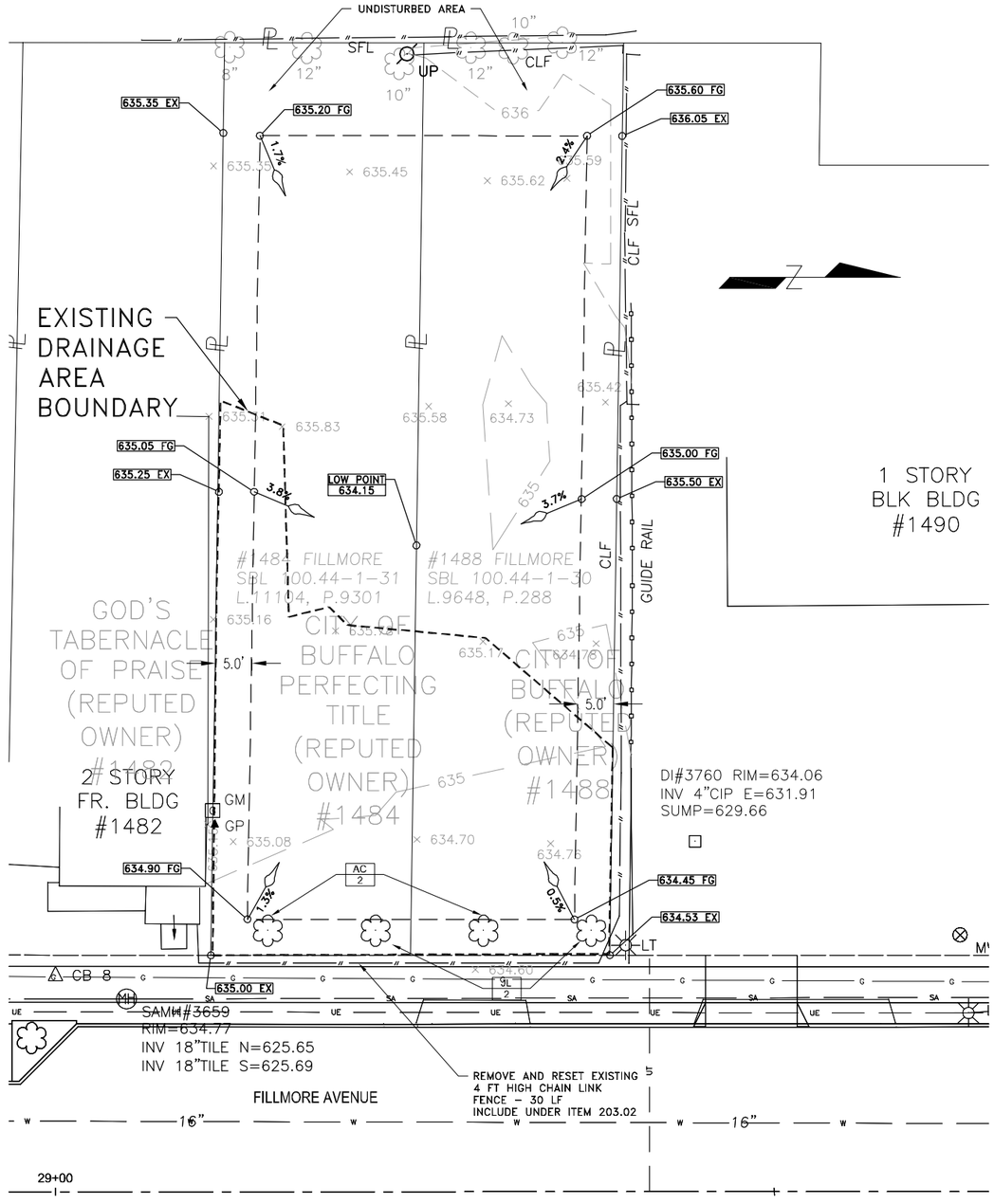
Discarded OutFlow Max=0.00 cfs @ 15.76 hrs HW=635.08' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.00 cfs)

Primary OutFlow Max=0.00 cfs @ 1.00 hrs HW=635.00' (Free Discharge)
↑—**2=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 1P: Shallow Area



1484 Fillmore Avenue



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	FILLMORE AVENUE NORTH PARADE AVENUE TO EAST FERRY STREET CITY OF BUFFALO ERIE COUNTY, NEW YORK	PIN 5757.76	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GREEN INFRASTRUCTURE PLAN #1484 AND #1488 FILLMORE	CONTRACT NUMBER DRAWING NO. GPL-06 SHEET NO. XX OF XX

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GIP.DWG

DESIGN SUPERVISOR J. BIDELL | JOB MANAGER P. GALBO | DESIGN | CHECK | DRAFTING | CHECK | PROJECT MANAGER

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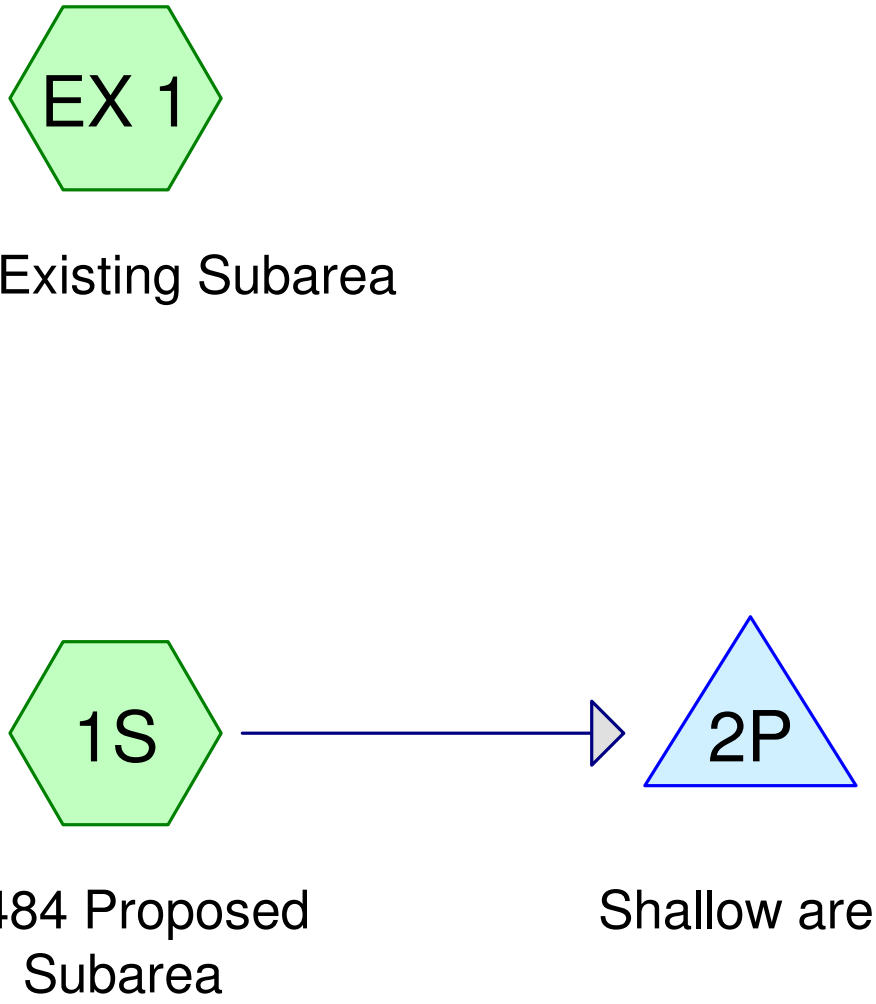

Subcat Reach Pond Link

Routing Diagram for 11072-1484 Fillmore
Prepared by Microsoft, Printed 1/10/2013
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Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
7,050	61	>75% Grass cover, Good, HSG B (1S)
2,641	80	>75% Grass cover, Good, HSG D (EX 1)
9,691	**66**	**TOTAL AREA**

Soil Listing (all nodes)

Area (sq-ft)	Soil Group	Subcatchment Numbers
0	HSG A	
7,050	HSG B	1S
0	HSG C	
2,641	HSG D	EX 1
0	Other	
9,691		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
0	7,050	0	2,641	0	9,691	>75% Grass cover, Good	1S, EX 1
0	**7,050**	**0**	**2,641**	**0**	**9,691**	**TOTAL AREA**	

Time span=1.00-100.00 hrs, dt=0.01 hrs, 9901 points x 3
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: #1484 Proposed Subarea Runoff Area=7,050 sf 0.00% Impervious Runoff Depth=0.10"
Flow Length=63' Tc=14.4 min CN=61 Runoff=0.00 cfs 61 cf

Subcatchment EX 1: #1484 Existing Subarea Runoff Area=2,641 sf 0.00% Impervious Runoff Depth=0.66"
Flow Length=81' Slope=0.0075 '/' Tc=14.6 min CN=80 Runoff=0.05 cfs 144 cf

Pond 2P: Shallow area Peak Elev=634.20' Storage=8 cf Inflow=0.00 cfs 61 cf
Discarded=0.00 cfs 61 cf Primary=0.00 cfs 0 cf Outflow=0.00 cfs 61 cf

Total Runoff Area = 9,691 sf Runoff Volume = 206 cf Average Runoff Depth = 0.25"
100.00% Pervious = 9,691 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: #1484 Proposed Subarea

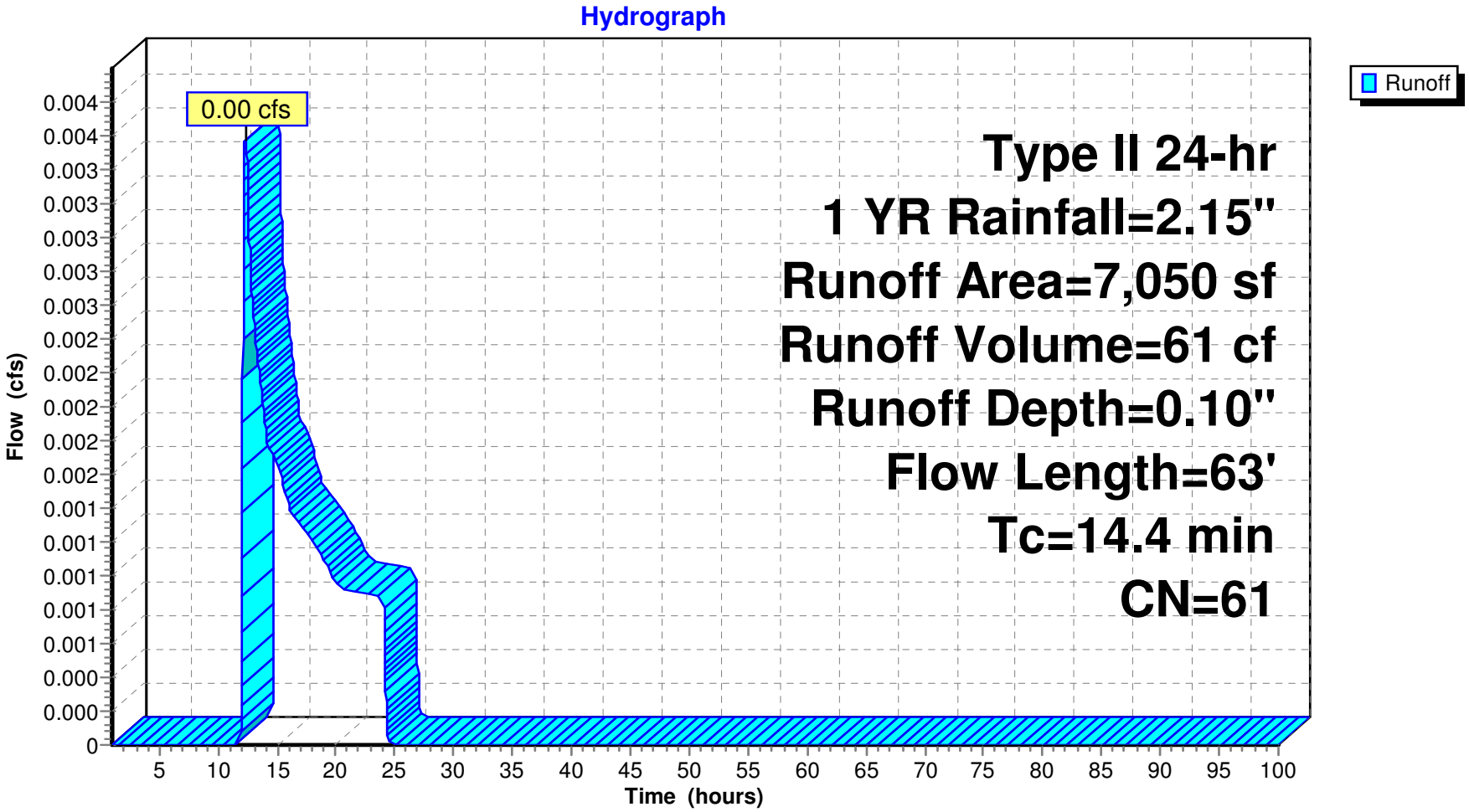
Runoff = 0.00 cfs @ 12.37 hrs, Volume= 61 cf, Depth= 0.10"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-100.00 hrs, dt= 0.01 hrs
Type II 24-hr 1 YR Rainfall=2.15"

Area (sf)	CN	Description
7,050	61	>75% Grass cover, Good, HSG B
7,050		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.8	56	0.0050	0.07		**Sheet Flow, Grass** Grass: Short n= 0.150 P2= 2.25"
1.6	7	0.0140	0.07		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.25"
14.4	63	Total			

Subcatchment 1S: #1484 Proposed Subarea



Summary for Subcatchment EX 1: #1484 Existing Subarea

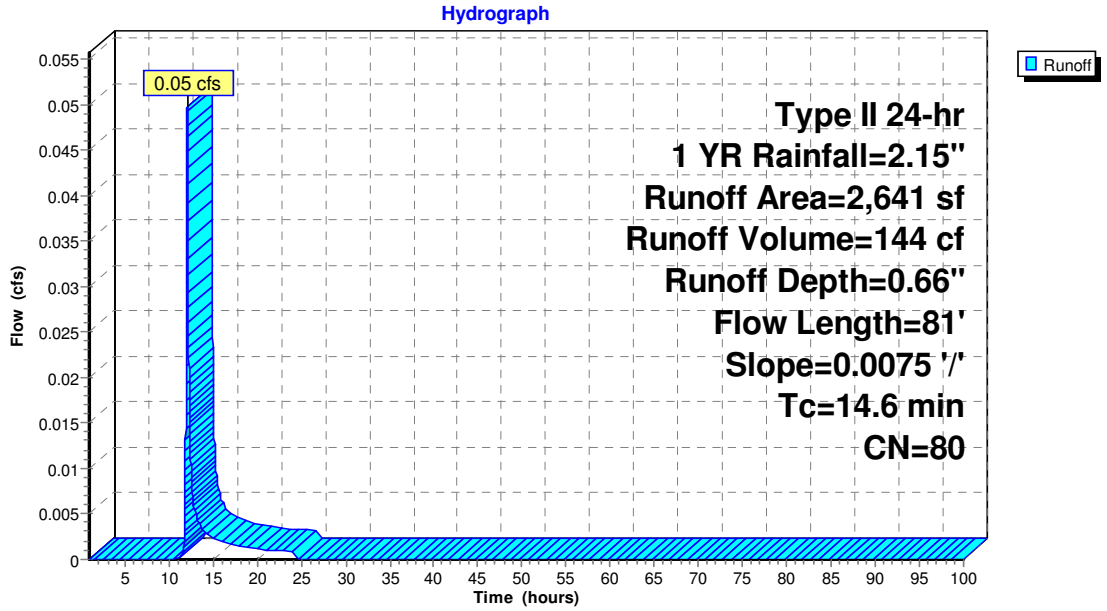
Runoff = 0.05 cfs @ 12.08 hrs, Volume= 144 cf, Depth= 0.66"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-100.00 hrs, dt= 0.01 hrs
Type II 24-hr 1 YR Rainfall=2.15"

Area (sf)	CN	Description
2,641	80	>75% Grass cover, Good, HSG D
2,641		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.6	81	0.0075	0.09		**Sheet Flow, Grass** Grass: Short n= 0.150 P2= 2.25"

Subcatchment EX 1: #1484 Existing Subarea



Summary for Pond 2P: Shallow area

Inflow Area = 7,050 sf, 0.00% Impervious, Inflow Depth = 0.10" for 1 YR event
Inflow = 0.00 cfs @ 12.37 hrs, Volume= 61 cf
Outflow = 0.00 cfs @ 14.23 hrs, Volume= 61 cf, Atten= 50%, Lag= 111.9 min
Discarded = 0.00 cfs @ 14.23 hrs, Volume= 61 cf
Primary = 0.00 cfs @ 1.00 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 1.00-100.00 hrs, dt= 0.01 hrs / 3
Peak Elev= 634.20' @ 14.23 hrs Surf.Area= 308 sf Storage= 8 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 60.5 min (1,066.1 - 1,005.6)

Volume	Invert	Avail.Storage	Storage Description
#1	634.15'	1,280 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

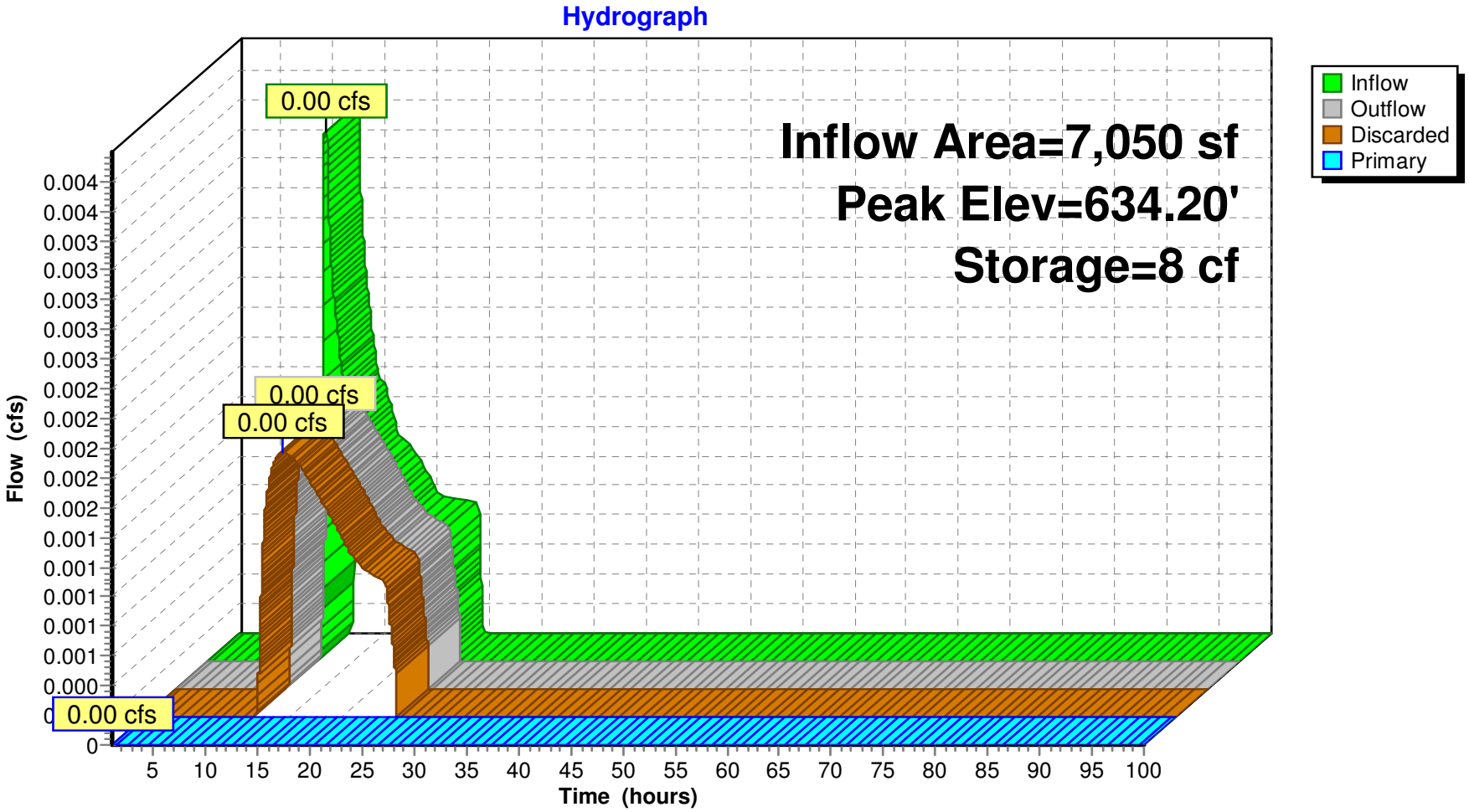
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
634.15	50	0	0
634.45	1,700	263	263
635.00	2,000	1,017	1,280

Device	Routing	Invert	Outlet Devices
#1	Discarded	634.15'	**0.250 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 0.00'
#2	Primary	634.53'	**55.0' long (Profile 17) Broad-Crested Rectangular Weir** Head (feet) 0.49 0.98 1.48 1.97 2.46 2.95 Coef. (English) 2.84 3.13 3.26 3.30 3.31 3.31

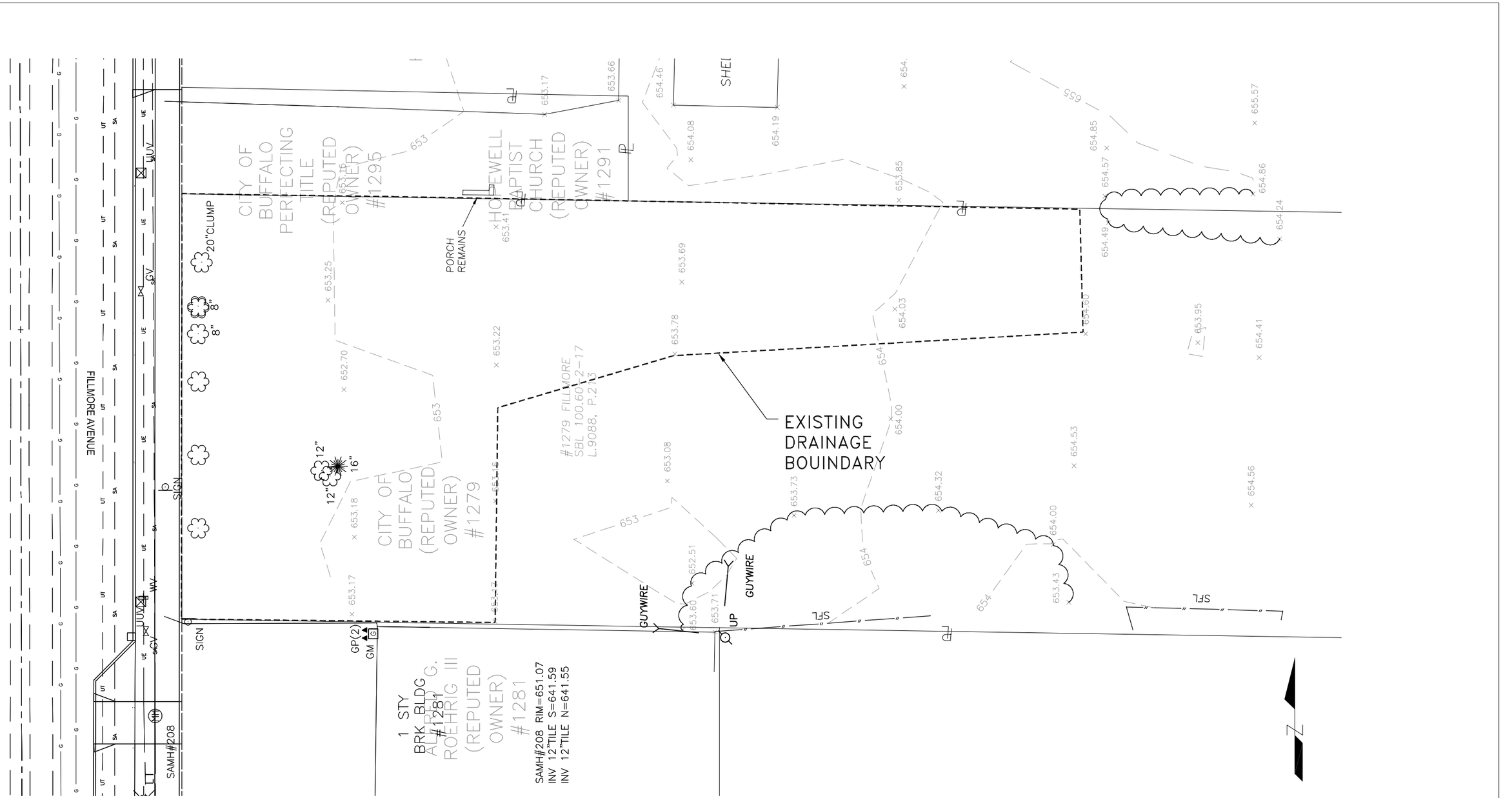
Discarded OutFlow Max=0.00 cfs @ 14.23 hrs HW=634.20' (Free Discharge)
↑—**1=Exfiltration** (Controls 0.00 cfs)

Primary OutFlow Max=0.00 cfs @ 1.00 hrs HW=634.15' (Free Discharge)
↑—**2=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 2P: Shallow area



1279 Fillmore Avenue



AFFIX SEAL: ON:	ALTERED BY: ON:

0 10' 20' 40'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	FILLMORE AVENUE	PIN 5757.76	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	NORTH PARADE AVENUE TO EAST FERRY STREET		GREEN INFRASTRUCTURE PLAN #1279 FILLMORE	DRAWING NO. GPL-01
	CITY OF BUFFALO			SHEET NO. XX OF XX
	ERIE COUNTY, NEW YORK			

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DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GIP.DWG

DESIGN SUPERVISOR J. BIDELL JOB MANAGER P. GALBO DESIGN CHECK DRAFTING CHECK PROJECT MANAGER

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USER = Kristopher J. Winkler

Summary for Subcatchment EX 1: #1279 Subarea

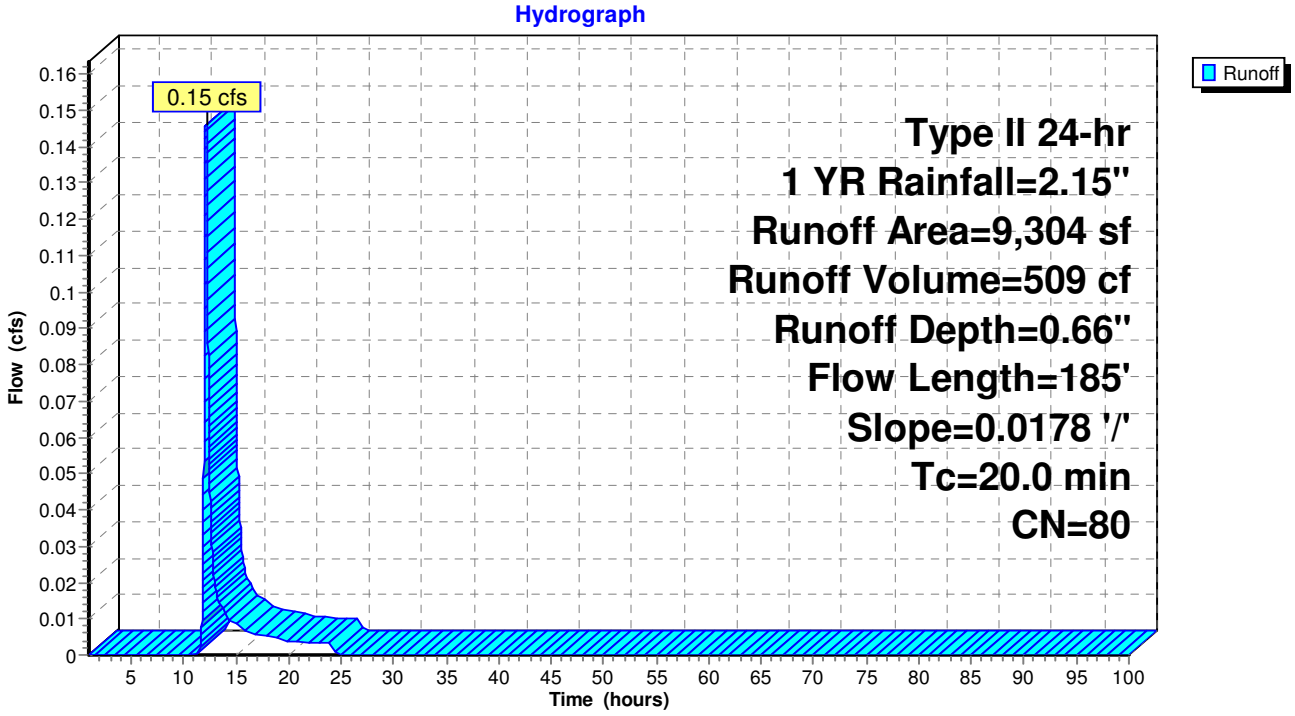
Runoff = 0.15 cfs @ 12.15 hrs, Volume= 509 cf, Depth= 0.66"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-100.00 hrs, dt= 0.01 hrs
Type II 24-hr 1 YR Rainfall=2.15"

Area (sf)	CN	Description
9,304	80	>75% Grass cover, Good, HSG D
9,304		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.0	185	0.0178	0.15		**Sheet Flow, Grass** Grass: Short n= 0.150 P2= 2.25"

Subcatchment EX 1: #1279 Subarea



CITY OF BUFFALO

DEPARTMENT OF PUBLIC WORKS, PARKS & STREETS

RECONSTRUCTION OF FILLMORE AVENUE FROM NORTH PARADE AVENUE TO EAST FERRY STREET

P.I.N. 5757.76

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE GOVERNED BY AND IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS DATED MAY 1, 2008 AND ALL UPDATES THERETO.

WHERE ANY CONTRACT ITEM LISTED DOES NOT APPEAR IN THE ABOVE-REFERENCED SPECIFICATION REFER TO THE APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS ADOPTED FEBRUARY 1, 1998 BY THE CITY OF BUFFALO DEPARTMENT OF PUBLIC WORKS, DIVISION OF ENGINEERING EXCEPT AS MODIFIED ON THE PLANS OR IN THE PROPOSAL BOOK.

THE FOLLOWING NYSDOT STANDARD SHEETS ARE INCLUDED IN THIS CONTRACT BY REFERENCE.

203-04, 402-01, 604-02, 608-01, 609-01, 609-02, 611-01, 619.02, 619-04, 619-11, 619-12, 645-01, 645-03, 645-14, 664-01, 670-01, 680-03, 680-04, 685-01

THE FOLLOWING CITY OF BUFFALO STANDARD SHEETS ARE INCLUDED IN THIS CONTRACT BY REFERENCE.

DPW-MAMSN (INCLUDED HEREIN), S.S.-21, S.S-21b, BSA SHEET 20086DD (INCLUDED HEREIN)

BYRON W. BROWN
MAYOR

STEVEN J. STEPNIAK
COMMISSIONER OF PUBLIC WORKS, PARKS AND STREETS

PETER J. MERLO, P.E.
CITY ENGINEER

INDEX		
SHEET NO.	DESCRIPTION	DRAWING NO.
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3	TYPICAL SECTIONS	TS-01
4-5	GENERAL NOTES	GN-01 TO GN-02
6-19	WORK ZONE TRAFFIC CONTROL	TTC-01 TO TTC-14
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86	GREEN INFRASTRUCTURE DRAINAGE TABLE	GIT-01
87-88	ESTIMATE OF QUANITIES	EST-01

CONTRACTOR'S NAME: _____

AWARD DATE: _____

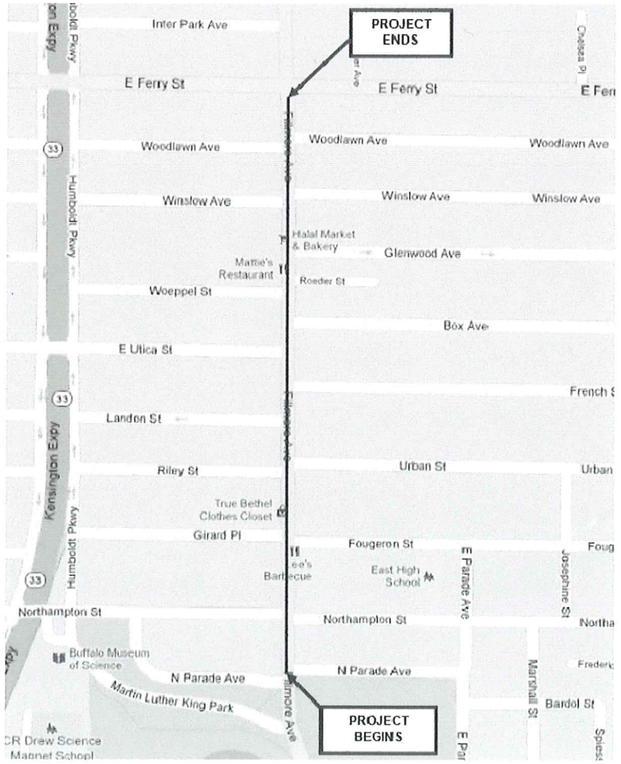
COMPLETION DATE: _____

FINAL ACCEPTANCE DATE: _____

ENGINEER IN CHARGE: _____

FINAL COST TOTAL: _____

FISCAL SHARE COST(S)



PROJECT LOCATION MAP

PS&E SET
JANUARY 2013

2013 FE -7 PM 1:58
BUFFALO SEWER AUTHORITY

PETER MERLO, P.E. DATE
CITY ENGINEER

PHILLIP M. GALBO, P.E. DATE
WATTS ARCHITECTURE & ENGINEERING

WARNING: IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THESE PLANS IN ANY WAY. IF ALTERATIONS TO THESE PLANS ARE REQUIRED, THE ALTERATIONS SHALL BE MADE IN ACCORDANCE WITH ARTICLE 145 - SUBSECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

WATTS ARCHITECTURE & ENGINEERING
95 Perry Street, Suite 300
Buffalo, New York 14203
p: 716.206.5100 f: 716.206.5199

DESIGN SUPERVISOR J.BIDELL JOB MANAGER P.GALBO DESIGNED BY J.CRANE CHECKED BY P.GALBO
ESTIMATED BY J.KOCH DRAFTED BY J.CRANE CHECKED BY P.GALBO
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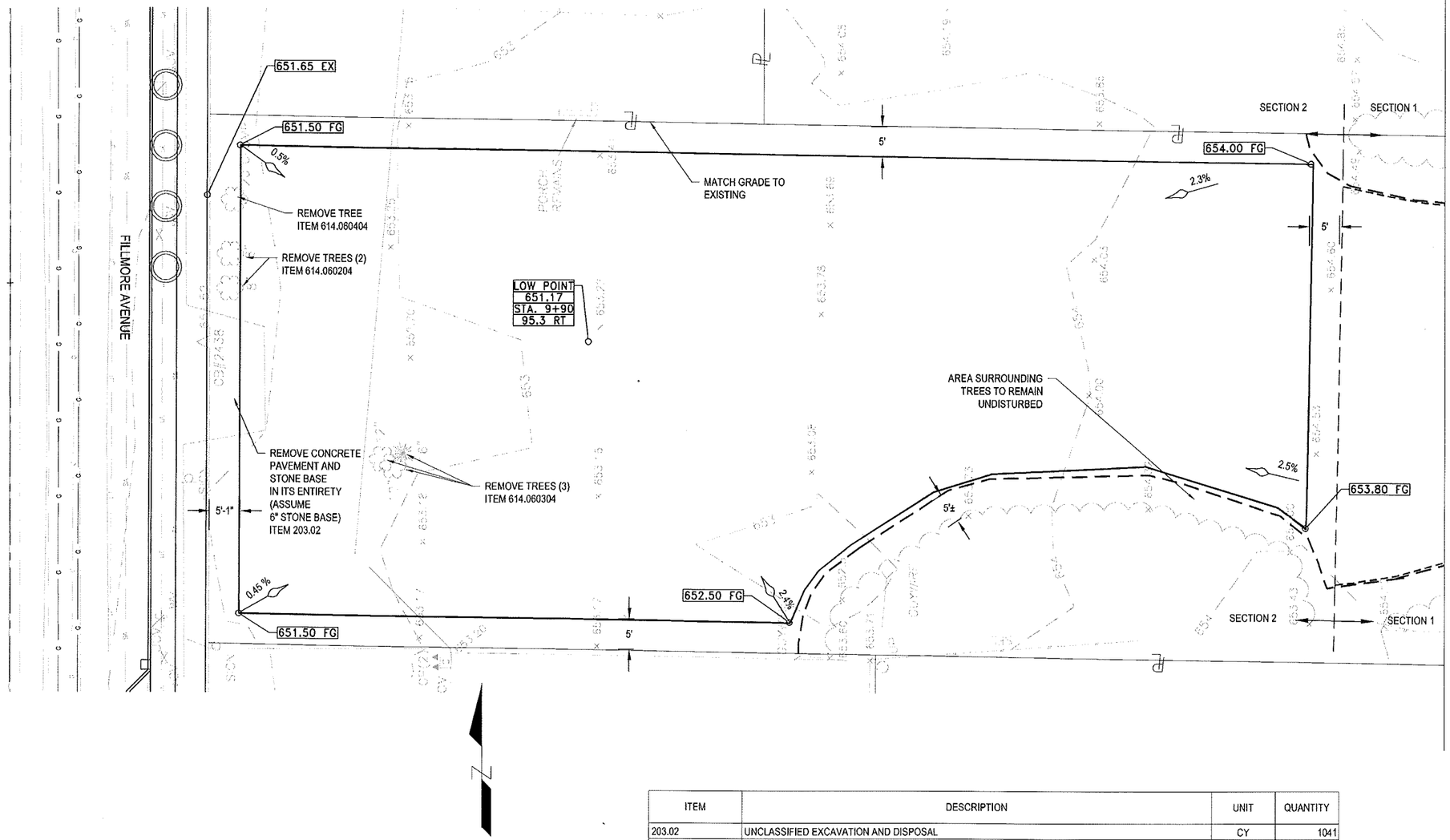
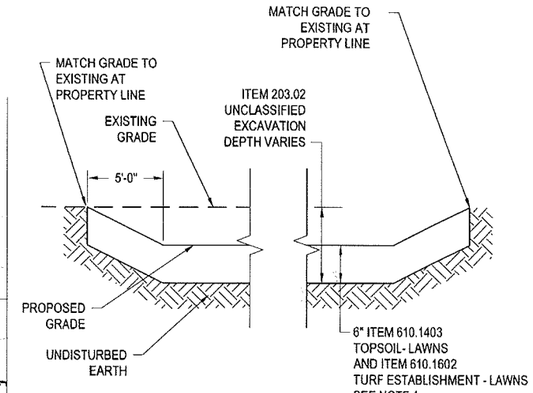
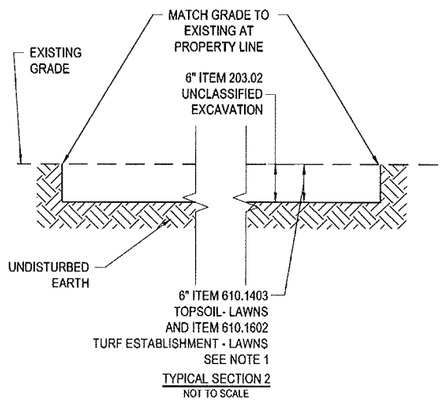
DATE/TIME = 1/22/2013 3:15:30 PM
USER =Laura Lichtenthal





TYPICAL SECTION 1
NOT TO SCALE



TYPICAL SECTION 2
NOT TO SCALE

MATCHLINE DWG. ON GIP-02

NOTE:

1. SEE SPECIAL INSTRUCTIONS TO BIDDERS (NOTE #5) FOR SEED REQUIREMENTS.

LEGEND

635.00	PROPOSED SPOT ELEVATION
x 635.00	EXISTING SPOT GRADE
	PROPOSED SURFACE SLOPE ARROW
	NO WORK AREA EXISTING TREES TO REMAIN NO SEPARATE PAYMENT
EX	EXISTING
FG	FINISH GRADE
———	SECTION 1 LIMITS OF WORK
- - - - - -	SECTION 2 LIMITS OF WORK

20 0 FEET 10 20
SCALE: 1" = 20'

ITEM	DESCRIPTION	UNIT	QUANTITY
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	1041
610.1403	TOPSOIL -LAWNS	CY	388
610.1602	TURF ESTABLISHMENT - LAWNS	SY	2326
614.060204	TREE REMOVAL OVER 6 INCHES TO 12 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA	2
614.060304	TREE REMOVAL OVER 12 INCHES TO 18 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA	3
614.060404	TREE REMOVAL OVER 18 INCHES TO 24 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA	1

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

FILLMORE AVENUE
NORTH PARADE AVENUE TO EAST FERRY STREET
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

PIN 5757.76

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GREEN INFRASTRUCTURE PLAN
#1279 FILLMORE

CONTRACT NUMBER

WATTS

DRAWING NO. GIP-01
SHEET NO. 79 OF 88

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GIP.DWG

DESIGN SUPERVISOR J. BIDELL | JOB MANAGER P. GALBO | DESIGN K. WINKLER | CHECK J. CRANE | DRAFTING K. WINKLER | CHECK J. CRANE | PROJECT MANAGER P. GALBO

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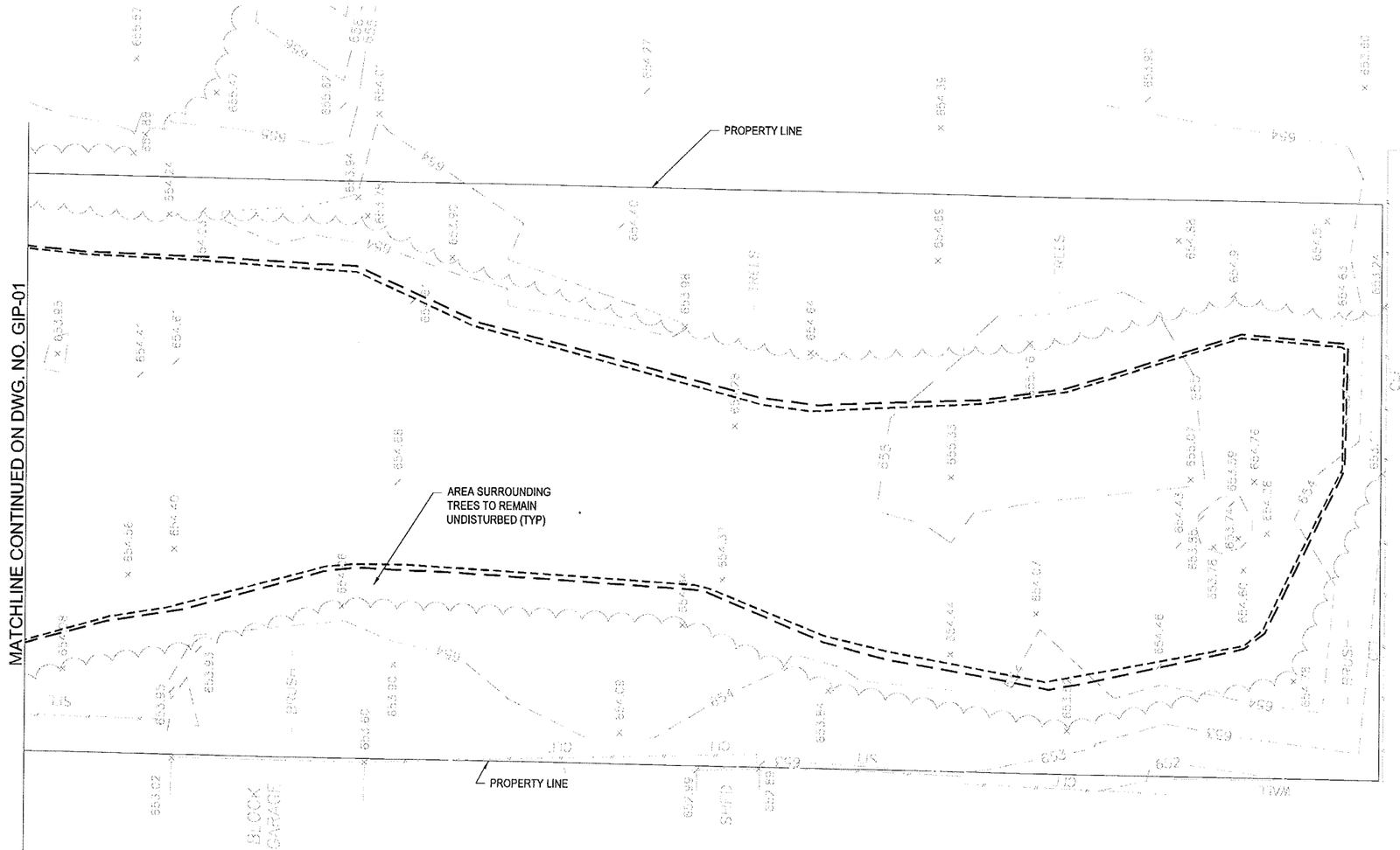
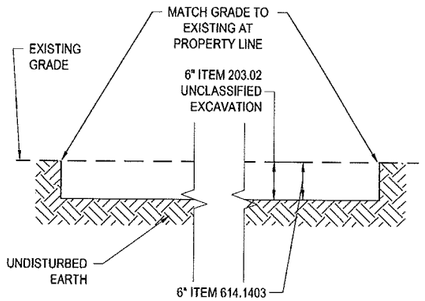
USER = Jessica Crane



LEGEND

635.00	PROPOSED SPOT ELEVATION
× 635.00	EXISTING SPOT GRADE
	PROPOSED SURFACE SLOPE ARROW
	NO WORK AREA EXISTING TREES TO REMAIN NO SEPARATE PAYMENT
EX	EXISTING
FG	FINISH GRADE
———	SECTION 1 LIMITS OF WORK
- - - - -	SECTION 2 LIMITS OF WORK



TYPICAL SECTION 2
NOT TO SCALE

NOTE:

1. SEE SPECIAL INSTRUCTIONS TO BIDDERS (NOTE #5) FOR SEED REQUIREMENTS.

20 0 FEET 10 20
SCALE: 1" = 20'

DESIGN SUPERVISOR J. BIDELL
JOB MANAGER P. GALBO
DESIGN K. WINKLER
DRAFTING K. WINKLER
CHECK J. CRANE
PROJECT MANAGER P. GALBO
CHECK J. CRANE

FILE NAME = H:\2011\11072 Fillmore Ave E Ferry St to N Parade St\18. CADD\Transportation\575776_cph_gip.dwg
DATE/TIME = 1/23/2013 11:12:13 AM
USER = Jessica Crane

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

FILLMORE AVENUE
NORTH PARADE AVENUE TO EAST FERRY STREET
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

PIN 5757.76

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

WATTS

GREEN INFRASTRUCTURE PLAN
#1279 FILLMORE

DRAWING NO. GIP-02
SHEET NO. 80 OF 88

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

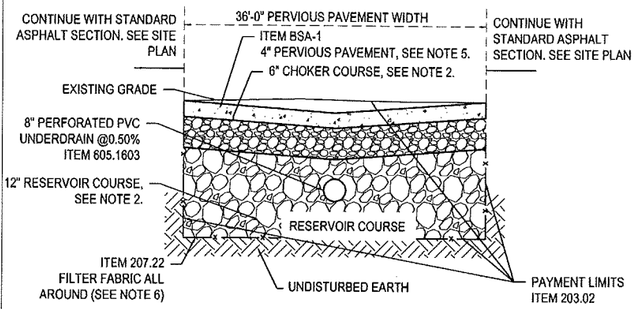
DOCUMENT NAME: 575776_CPH_GIP.DWG

20 0 FEET 10 20

SCALE: 1" = 20'

LEGEND

635.00	PROPOSED SPOT ELEVATION
	PROPOSED SURFACE SLOPE ARROW
ST	PROPOSED STORM SEWER
	PROPOSED STORM CATCH BASIN
	PROPOSED MANHOLE
FG	FINISH GRADE
	LIMITS OF TURF ESTABLISHMENT



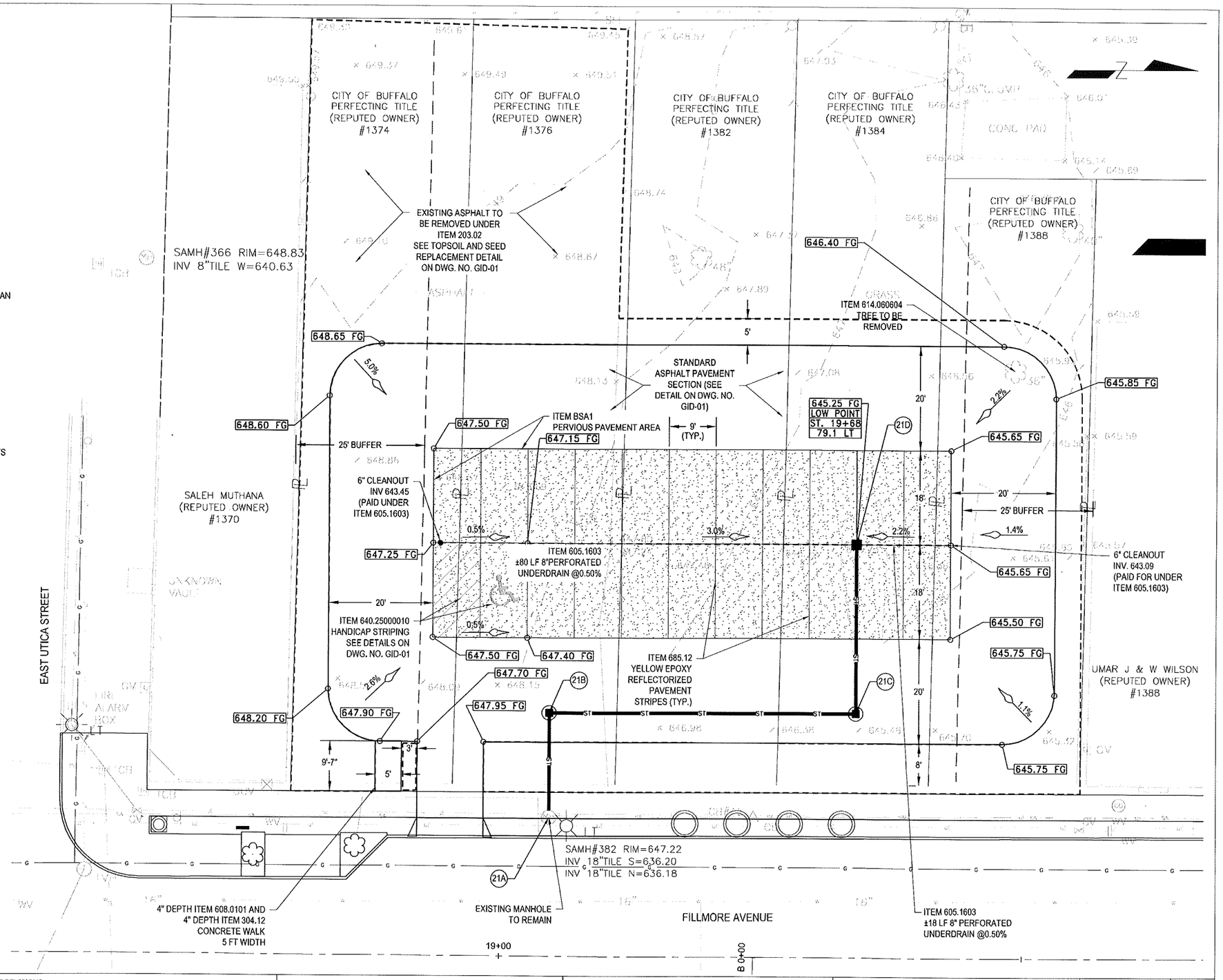
NOTES:

1. CONSTRUCTION METHODS FOR PERVIOUS PAVEMENT SHALL CONFORM TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS/ REQUIREMENTS.
2. ALL AGGREGATE SHALL BE WASHED ANGULAR CRUSHED GRAVEL OR STONE AND MEET THE GRADATIONS SHOWN IN THE AGGREGATE GRADATION TABLE ON DWG. NO. GID-01. PAYMENT TO BE MADE UNDER ITEM 304.12.
3. IT IS ESSENTIAL TO THE PERFORMANCE OF THE PERVIOUS PAVEMENT TO NOT COMPACT THE EARTH BENEATH THE PAVEMENT SECTION.
4. EXCAVATION PAID UNDER ITEM 203.02.
5. SEE PERVIOUS PAVEMENT NOTES ON DWG. NO. GID-01.
6. THE FILTER FABRIC SHALL HAVE A FLOW RATE GREATER THAN 125 GALLON/MINUTE PER SQUARE FOOT AND SHALL BE NEEDLE-PUNCHED MATERIAL.

PERVIOUS PAVEMENT ASPHALT SECTION
NOT TO SCALE

GENERAL NOTES:

1. SEE DRAINAGE STRUCTURE TABLE ON DWG. NO. GIT-01 FOR DRAINAGE STRUCTURE AND PIPE INSTALLATION INFORMATION.
2. SEE DRAINAGE STRUCTURE AND PIPE INSTALLATION DETAILS ON DWG. NO. GID-01.
3. SEE NYSDOT STANDARD SHEET 664-01 FOR PLASTIC PIPE TRENCH DETAIL. PAYMENT FOR GRANULAR MATERIAL TO BE MADE UNDER ITEM 203.07.
4. SEE SPECIAL INSTRUCTIONS TO BIDDERS (NOTE #5) FOR SEED REQUIREMENTS.



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	FILLMORE AVENUE	PIN 5757.76	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER / WATTS
	NORTH PARADE AVENUE TO EAST FERRY STREET		GREEN INFRASTRUCTURE PLAN #1374 TO #1388 FILLMORE	DRAWING NO. GIP-03
	CITY OF BUFFALO			SHEET NO. 81 OF 88
	ERIE COUNTY, NEW YORK			

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GIP.DWG

DESIGN SUPERVISOR J. BIDELL | JOB MANAGER P. GALBO | DESIGN J. CRANE | DRAFTING J. CRANE | CHECK K. WINKLER | PROJECT MANAGER P. CALBO | CHECK K. WINKLER

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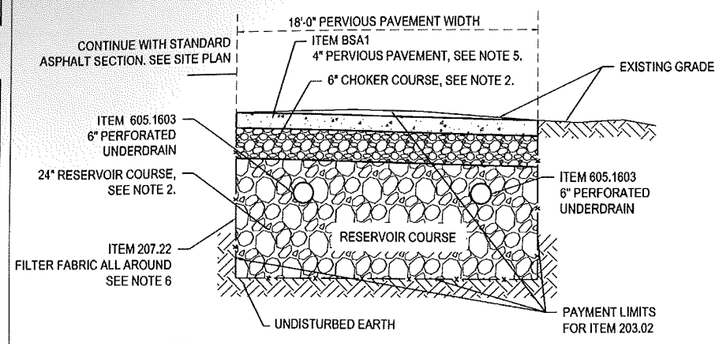
DATE/TIME = 1/23/2013 11:12:23 AM
USER = Jessica Crane

LEGEND

635.20	PROPOSED SPOT ELEVATION
635	PROPOSED CONTOUR
	PROPOSED SURFACE SLOPE ARROW
	PROPOSED STORM SEWER
	PROPOSED STORM CATCH BASIN
	PROPOSED MANHOLE
FG	FINISH GRADE
EX	EXISTING GRADE
TG	TOP OF GRATE GRADE
	LIMITS OF TURF ESTABLISHMENT



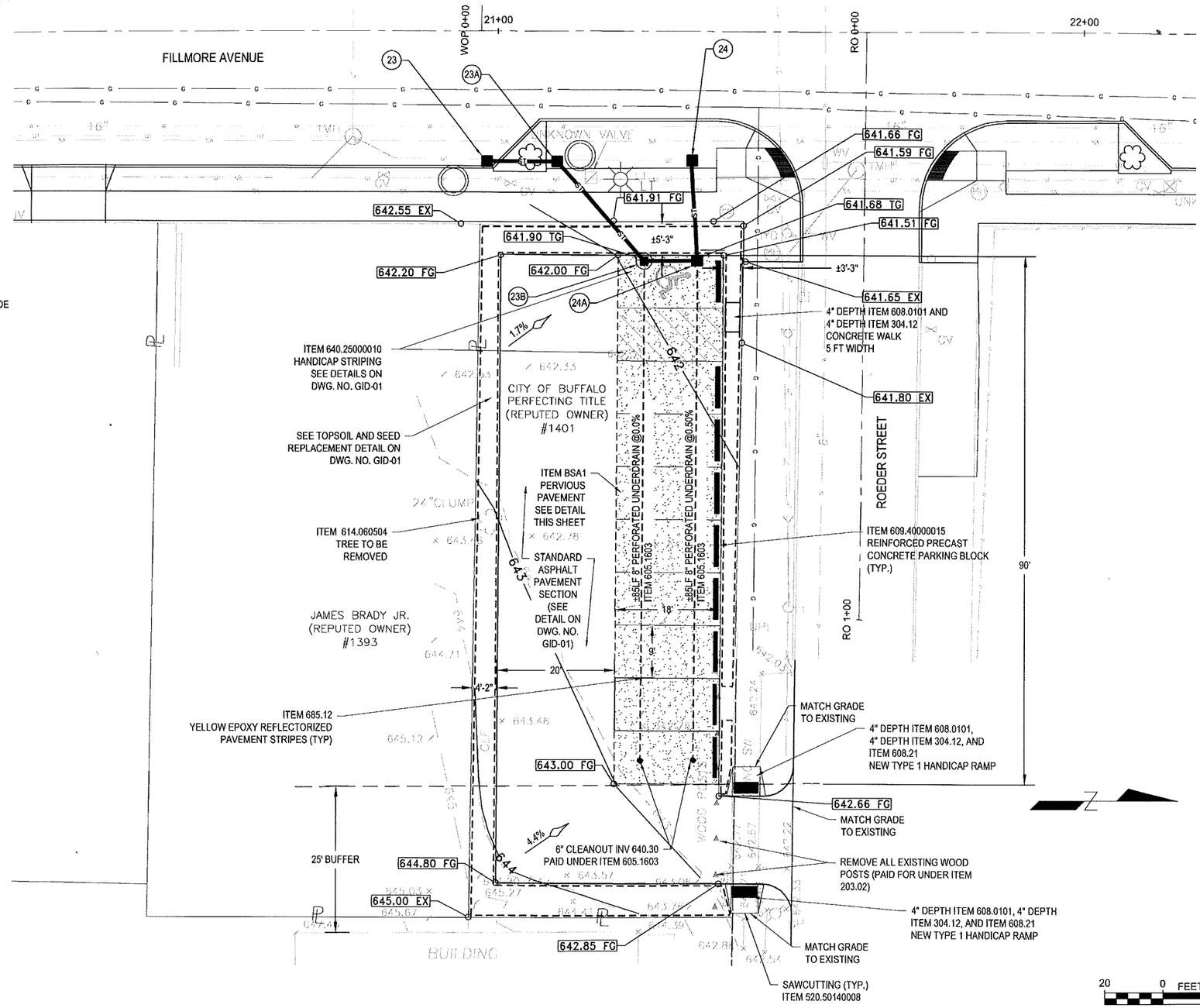
NOTES:

1. CONSTRUCTION METHODS FOR PERVIOUS PAVEMENT SHALL CONFORM TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS/ REQUIREMENTS.
2. ALL AGGREGATE SHALL BE WASHED ANGULAR CRUSHED GRAVEL OR STONE AND MEET THE GRADATIONS SHOWN IN THE GRADATION TABLE ON DWG. NO. GID-01. PAYMENT TO BE MADE UNDER ITEM 304.12
3. IT IS ESSENTIAL TO THE PERFORMANCE OF THE PERVIOUS PAVEMENT TO NOT COMPACT THE EARTH BENEATH THE PAVEMENT SECTION.
4. EXCAVATION INCLUDED UNDER ITEM 203.02.
5. SEE PERVIOUS PAVEMENT NOTES ON DWG. NO. GID-01.
6. THE FILTER FABRIC SHALL HAVE A FLOW RATE GREATER THAN 125 GAL/MINUTE PER SQUARE FOOT AND SHALL BE NEEDLE-PUNCHED MATERIAL.

PERVIOUS PAVEMENT ASPHALT SECTION
NOT TO SCALE

GENERAL NOTES:

1. SEE DRAINAGE STRUCTURE TABLE ON DWG. NO. GIT-01 FOR DRAINAGE STRUCTURE AND PIPE INSTALLATION INFORMATION.
2. SEE DRAINAGE STRUCTURE AND PIPE INSTALLATION DETAILS ON DWG. NO. GID-01.
3. SEE NYSDOT STANDARD SHEET 664-01 FOR PLASTIC PIPE TRENCH DETAIL. PAYMENT FOR GRANULAR MATERIAL TO BE MADE UNDER ITEM 203.07.



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

FILLMORE AVENUE
NORTH PARADE AVENUE TO EAST FERRY STREET
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

PIN 5757.76

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

WATTS

GREEN INFRASTRUCTURE PLAN
#1401 FILLMORE

DRAWING NO. GIP-04
SHEET NO. 82 OF 88

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GIP.DWG

DESIGN SUPERVISOR J. BIDELL | JOB MANAGER P. GALBO | DESIGN J. CRANE | CHECK K. WINKLER | DRAFTING J. CRANE | CHECK K. WINKLER | PROJECT MANAGER P. GALBO

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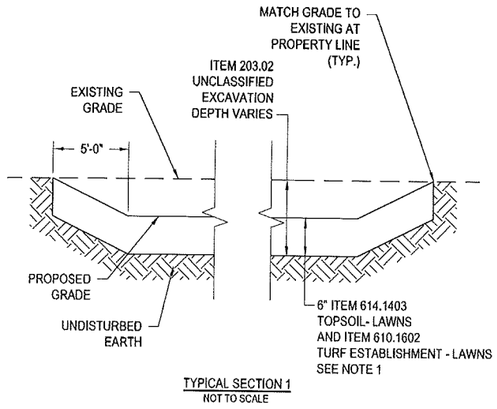
USER = Jessica Crane

LEGEND

635.00	PROPOSED SPOT ELEVATION
	PROPOSED SURFACE SLOPE ARROW
	NO WORK AREA EXISTING TREES TO REMAIN NO SEPARATE PAYMENT
EX	EXISTING
FG	FINISH GRADE
	SECTION 1 LIMITS OF WORK
	SECTION 2 LIMITS OF WORK

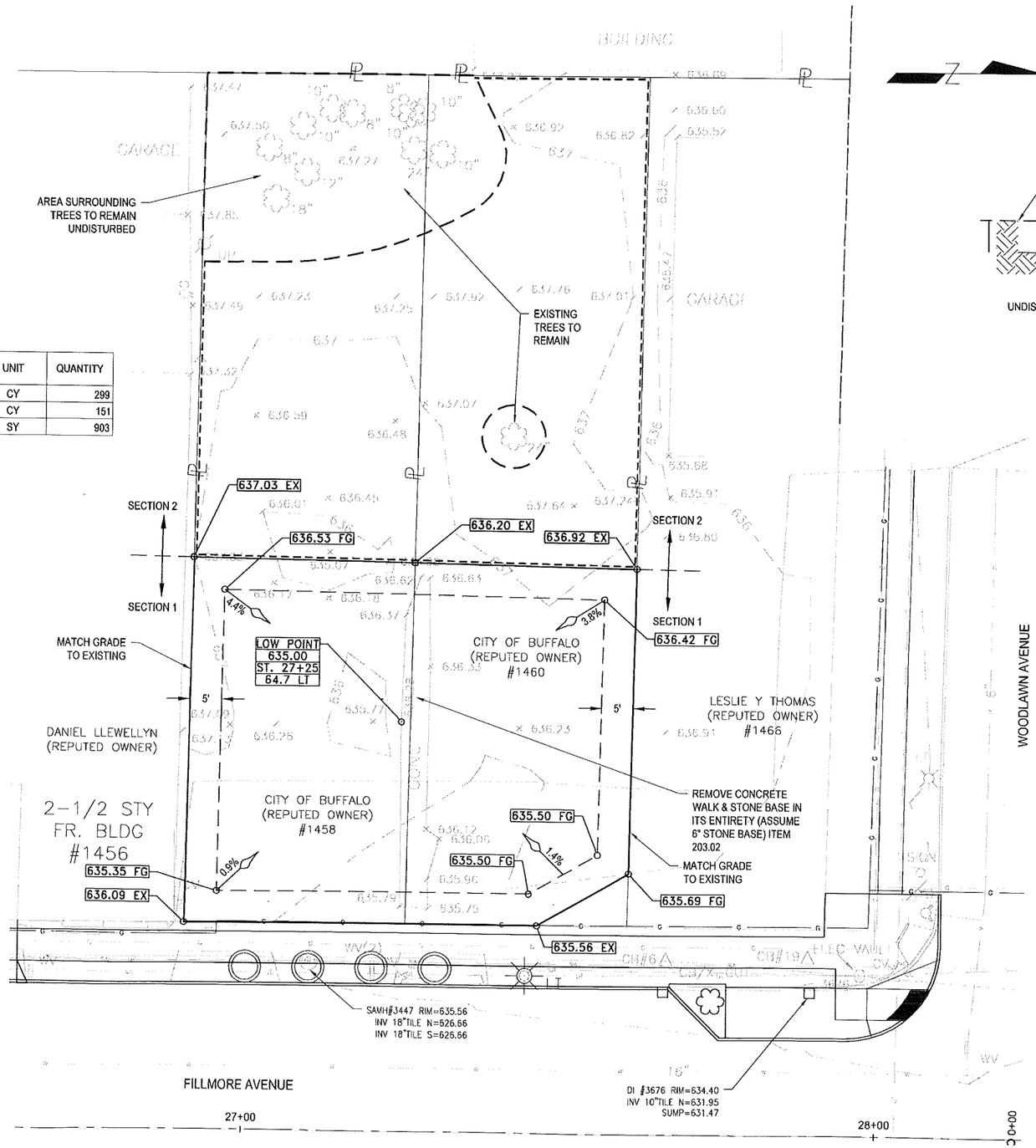
ITEM	DESCRIPTION	UNIT	QUANTITY
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	299
610.1403	TOPSOIL -LAWNS	CY	151
610.1602	TURF ESTABLISHMENT - LAWNS	SY	903

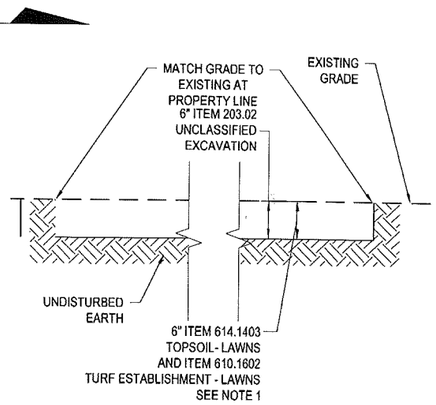


TYPICAL SECTION 1
NOT TO SCALE

NOTE:

1. SEE SPECIAL INSTRUCTIONS TO BIDDERS (NOTE #5) FOR SEED REQUIREMENTS.





TYPICAL SECTION 2
NOT TO SCALE

20 0 FEET 10 20
SCALE: 1" = 20'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

FILLMORE AVENUE
NORTH PARADE AVENUE TO EAST FERRY STREET
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

PIN 5757.76

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GREEN INFRASTRUCTURE PLAN
#1458 AND #1460 FILLMORE

CONTRACT NUMBER

WATTS

DRAWING NO. GIP-05
SHEET NO. 83 OF 88

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GIP.DWG

DESIGN SUPERVISOR J. BIDELL | JOB MANAGER P. GALBO | DRAFTING J. CRANE | DESIGN J. CRANE | CHECK K. WINKLER | PROJECT MANAGER P. GALBO

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DATE/TIME = 1/23/2013 11:12:53 AM
USER = Jessica Crane

LEGEND

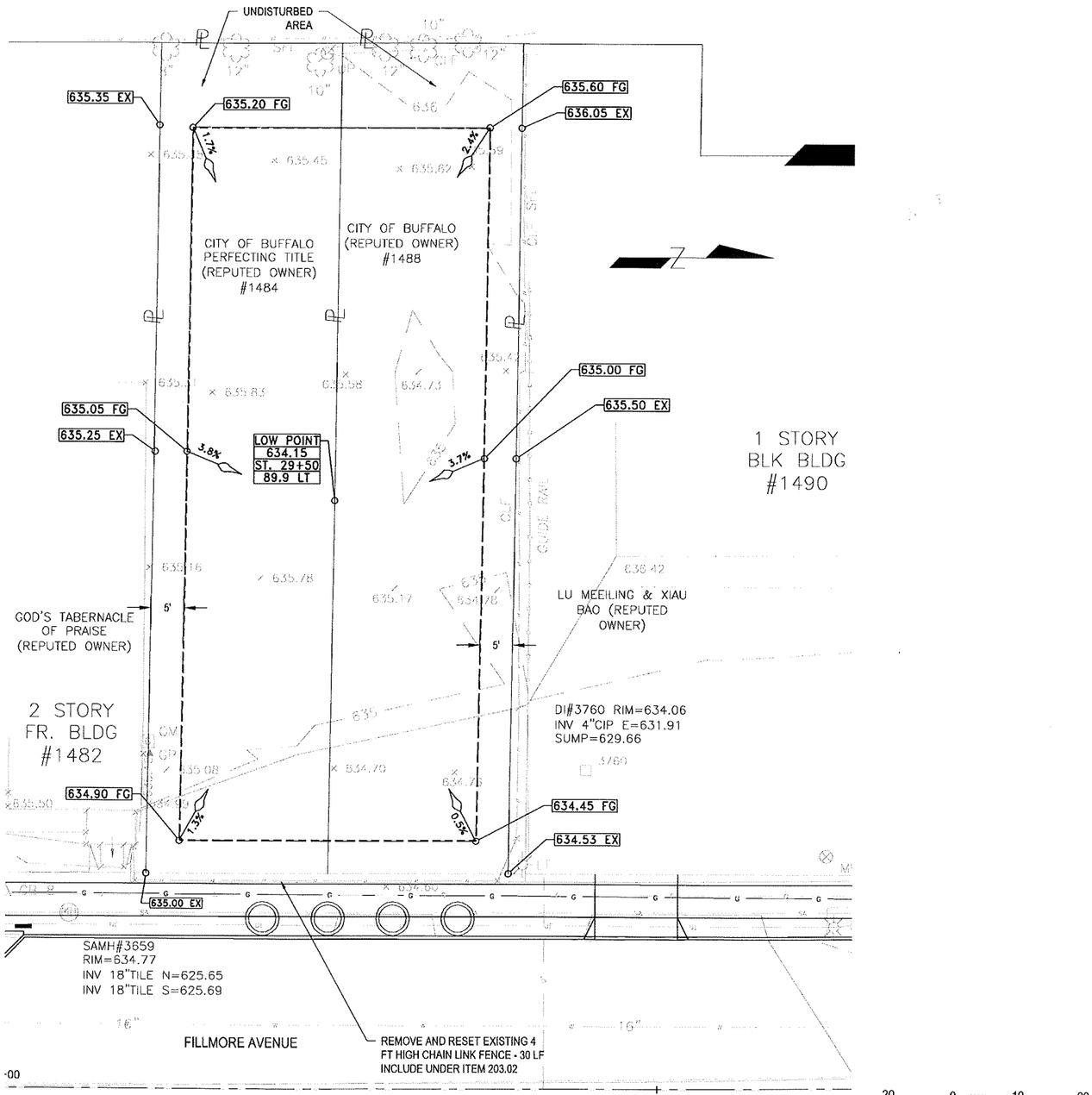
	TREE
635.00	PROPOSED SPOT ELEVATION
	PROPOSED SURFACE SLOPE ARROW
	NO WORK AREA EXISTING TREES TO REMAIN NO SEPARATE PAYMENT
EX	EXISTING
FG	FINISH GRADE
- - - - - -	LIMITS OF WORK

ITEM	DESCRIPTION	UNIT	QUANTITY
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	276
610.1403	TOPSOIL -LAWNS	CY	827
610.1602	TURF ESTABLISHMENT - LAWNS	SY	551

TYPICAL SECTION 1
NOT TO SCALE

NOTE:

1. SEE SPECIAL INSTRUCTIONS TO BIDDERS (NOTE #5) FOR SEED REQUIREMENTS.



20 0 FEET 10 20
SCALE: 1" = 20'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	FILLMORE AVENUE NORTH PARADE AVENUE TO EAST FERRY STREET CITY OF BUFFALO ERIE COUNTY, NEW YORK	PIN 5757.76	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED GREEN INFRASTRUCTURE PLAN #1484 AND #1488 FILLMORE	CONTRACT NUMBER DRAWING NO. GIP-06 SHEET NO. 84 OF 88

AFFIX SEAL: ON:	ALTERED BY: ON:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

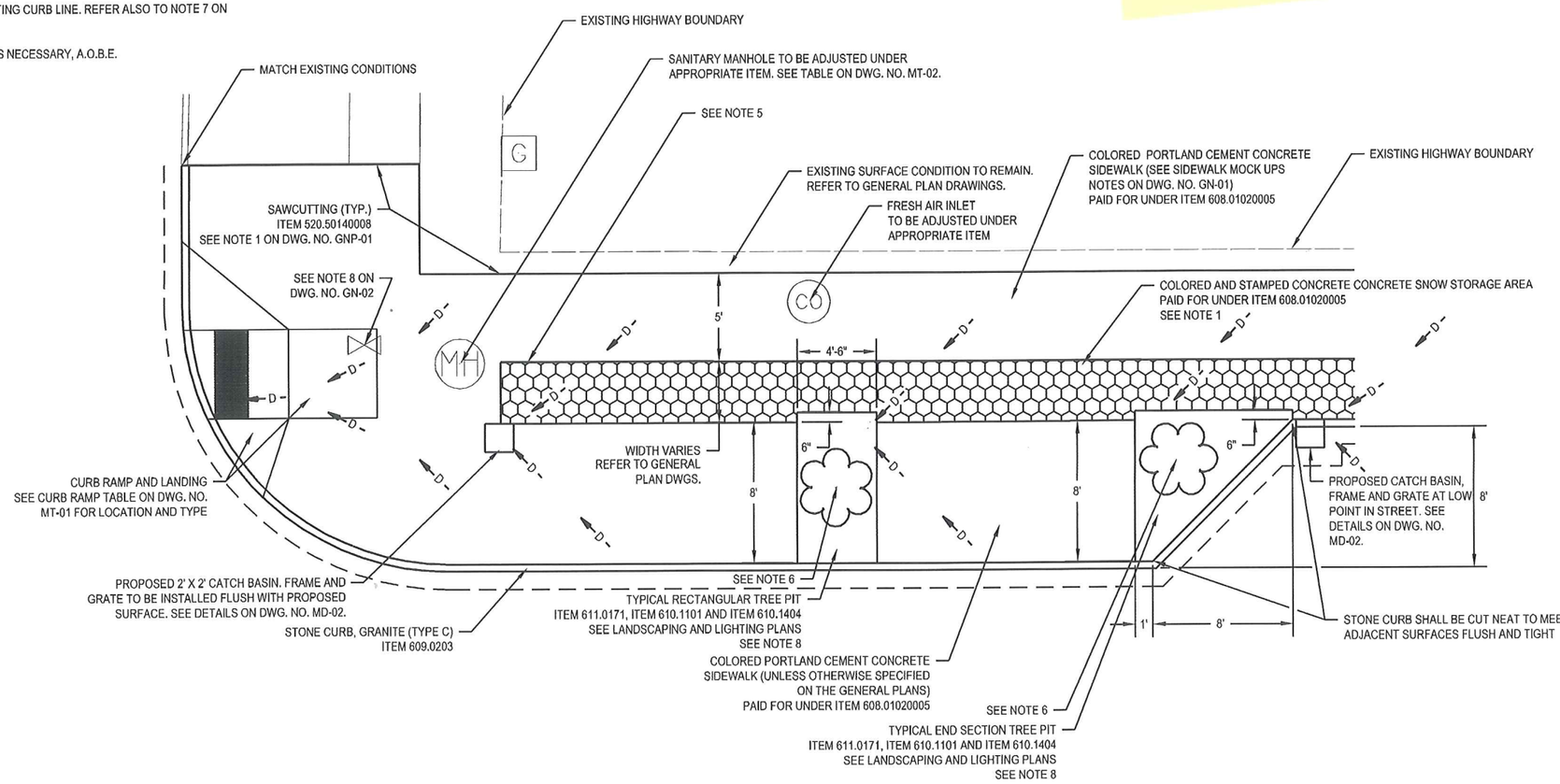
DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GIP.DWG

DESIGN SUPERVISOR J. BIDELL | JOB MANAGER P. GALBO | DESIGN J. CRANE | DRAFTING J. CRANE | CHECK K. WINKLER | PROJECT MANAGER P. GALBO

NOTES:

1. SNOW STORAGE AREA SHALL BE COLORED AND IMPRINTED CONCRETE. CONTRACTOR SHALL STAMP BUFFALO REDI-MIX'S RANDOM STONE PATTERN OR APPROVED EQUAL. SEE SIDEWALK MOCK-UPS NOTES ON DWG. NO. GN-01.
2. THE SYMBOL -D→ DENOTES THE DIRECTION OF RUNOFF FROM THE PROPOSED SLOPES.
3. SEE DWG. NOS. MT-06 TO MT-10 FOR GRADING ELEVATIONS.
4. SEE DWG. NOS. MD-05 TO MD-11 FOR INTERSECTION GRADING PLANS.
5. SNOW STORAGE AREA TERMINATES AT EXISTING HIGHWAY BOUNDARY OF INTERSECTING SIDE STREET OR AT A CURB RAMP LANDING, WHICHEVER IS FARTHEST FROM THE SIDESTREET CURB RADIUS.
6. ALL TREES SHALL BE STAKED WITH ARBORTIE, PROLOCK TIES OR APPROVED EQUAL. STAKES AND TIES SHALL BE REMOVED AFTER ONE YEAR, COST TO BE INCLUDED IN ITEM 611.0171.
7. PROPOSED UNDERDRAIN TO FOLLOW THE ALIGNMENT OF THE EXISTING CURB LINE. REFER ALSO TO NOTE 7 ON DWG. NO TS-01.
8. TREES SHALL BE CENTERED IN THE TREE PIT AREA OR ADJUSTED AS NECESSARY, A.O.B.E.



CURB EXTENSION (BUMP-OUT) DETAIL
NTS

0 10' 20' 40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

FILLMORE AVENUE
NORTH PARADE AVENUE TO EAST FERRY STREET
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

PIN 5757.76

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS DETAILS

CONTRACT NUMBER

WATTS

DRAWING NO. MD-04
SHEET NO. 36 OF 88

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_MD_03.DWG

PROJECT MANAGER P. GALBO
CHECK P. GALBO
DRAFTING J. CRANE
DESIGN J. CRANE
CHECK P. GALBO
JOB MANAGER P. GALBO
DESIGN SUPERVISOR J. BIDELL

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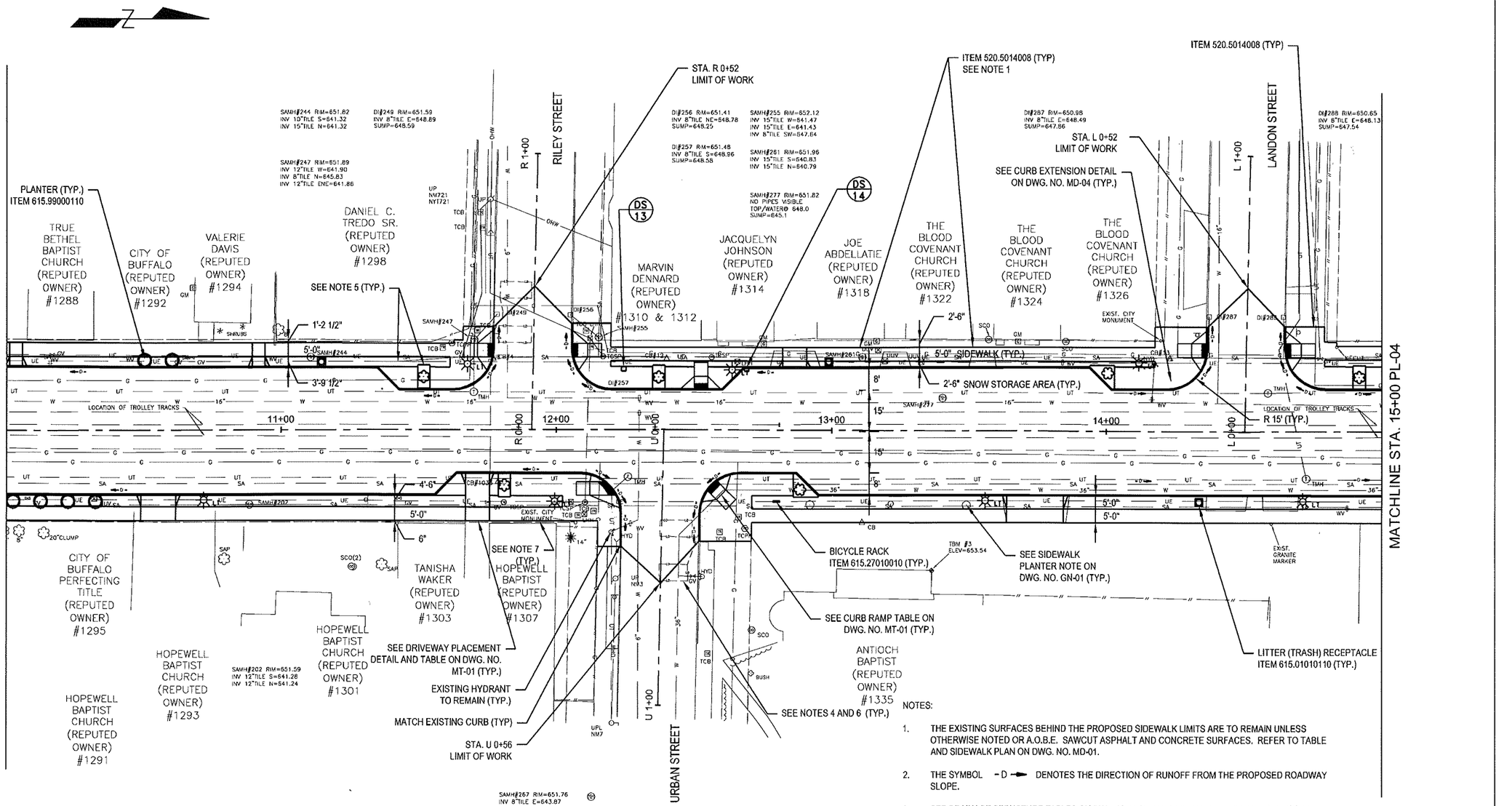
DATE/TIME = 1/23/2013 7:21:28 AM
USER = Laura Lichtenthal



NOTES:

1. THE EXISTING SURFACES BEHIND THE PROPOSED SIDEWALK LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED OR A.O.B.E. SAWCUT ASPHALT AND CONCRETE SURFACES. REFER TO TABLE AND SIDEWALK PLAN ON DWG. NO. MD-01.
2. THE SYMBOL -D→ DENOTES THE DIRECTION OF RUNOFF FROM THE PROPOSED ROADWAY SLOPE.
3. SEE DRAINAGE STRUCTURE TABLES ON DWG. NOS. MT-03 TO MT-05 FOR PROPOSED DRAINAGE STRUCTURE WORK.
4. THE EXISTING LOOP DETECTORS WITHIN THE PAVING LIMITS SHALL BE REMOVED. THE REMAINING PORTION OF THE EXISTING LOOP DETECTORS (OUTSIDE OF THE PAVING LIMIT) SHALL BE LEFT IN PLACE.
5. REFER TO DWG. NO. LP-03 FOR LANDSCAPING AND STREET LIGHTING INFORMATION.
6. REFER TO DWG. NO. TSP-02 FOR TRAFFIC SIGNAL REPLACEMENT PLANS.
7. SEE GENERAL NOTE 3 ON DWG. NO. GN-01.

0 10' 20' 40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

FILLMORE AVENUE
NORTH PARADE AVENUE TO EAST FERRY STREET
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

PIN 5757.76

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN
STATION 10+00 TO 15+00

CONTRACT NUMBER

WATTS

DRAWING NO. PL-03
SHEET NO. 46 OF 88

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DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

DOCUMENT NAME: 575776_CPH_GNP_BUMP OUTS.DWG

DESIGN SUPERVISOR J. BIDELL | JOB MANAGER P. GALBO | DESIGN J. CRANE | DRAFTING J. CRANE | CHECK P. GALBO | PROJECT MANAGER P. GALBO

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USER = Laura Lichtenthal

Appendix 7-3: PUSH Blue Project Details

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PUSH B*lue* : GREEN INFRASTRUCTURE PROJECTS

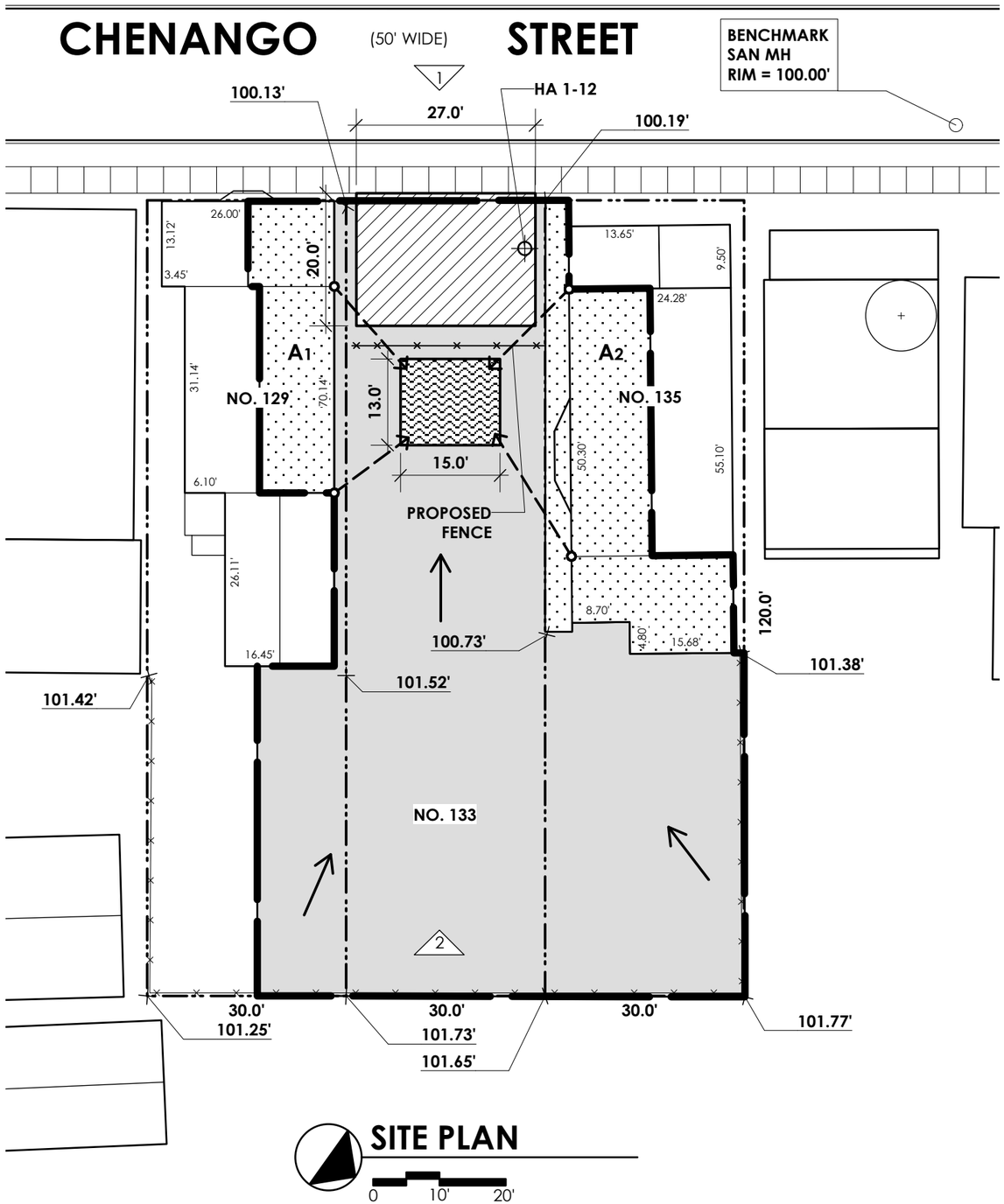
EXISTING CONDITION MATRIX

SITE NO.	ADDRESS	STREET	DRAINAGE AREA (sf)	LAND USE	SOIL CLASS/ B.R. DEPTH* (ft)	SITE TOPOGRAPHY	FLOWPATH	W.T. DEPTH (ft)	RECEIVING WATERBODY	OTHER SITE CONSIDERATIONS	SUBSURFACE INVESTIGATIONS (APPENDIX A)	REMARKS
RAIN GARDENS:												
1	129, 133, 135	CHENANGO ST.	7577.6	RESID./VAC.	ML/ 16.0' +/-	SEE DWG. NO. 1		N/A	BLACK ROCK CANAL	N/A	HA 1-12	
2	494	MASSACHUSETTS AVE	2973.4	RESID.	ML-CL	SEE DWG. NO. 2		N/A	BLACK ROCK CANAL	N/A	HA 2-12	
3	445	W. FERRY ST.	2656.7	VAC.	UNKNOWN	SEE DWG. NO. 3		N/A	BLACK ROCK CANAL	N/A	NOT COMPLETED	
4	456	MASSACHUSETTS AVE	3252.7	VAC.	SW,GW	SEE DWG. NO. 4		N/A	BLACK ROCK CANAL	N/A	HA 3-12	
5	92	19TH ST.	4250	VAC.	SC	SEE DWG. NO. 5		N/A	BLACK ROCK CANAL	N/A	HA 4-12	
6	37	19TH ST.	2404.4	VAC.	SC	SEE DWG. NO. 6		N/A	BLACK ROCK CANAL	N/A	HA 5-12	
7	16	19TH ST.	4056.5	VAC.	SC	SEE DWG. NO. 7		N/A	BLACK ROCK CANAL	N/A	HA 6-12	
8	123	18TH ST.	3383.8	VAC.	CL	SEE DWG. NO. 8		N/A	BLACK ROCK CANAL	N/A	HA 7-12	
9	381	HAMPSHIRE ST.	2745.7	VAC.	UNKNOWN	SEE DWG. NO. 9		N/A	BLACK ROCK CANAL	N/A	NOT COMPLETED	
10	102	18TH ST.	2501.9	VAC.	SC	SEE DWG. NO. 10		N/A	BLACK ROCK CANAL	N/A	HA 9-12	
11	111	18TH ST.	2895.8	VAC.	ML	SEE DWG. NO. 11		N/A	BLACK ROCK CANAL	N/A	HA 8-12	
12	10	WINTER ST.	752.8	RESID.	SC	SEE DWG. NO. 12		N/A	BLACK ROCK CANAL	N/A	HA 10-12	
13	12	WINTER ST.	3840.5	VAC.	UNKNOWN	SEE DWG. NO. 13		N/A	BLACK ROCK CANAL	N/A	NOT COMPLETED	
14	16	WINTER ST.	3250.5	RESID.	UNKNOWN	SEE DWG. NO. 14		N/A	BLACK ROCK CANAL	N/A	NOT COMPLETED	
15	405	MASSACHUSETTS AVE	3000	RESID.	CL	SEE DWG. NO. 15		N/A	BLACK ROCK CANAL	N/A	HA 11-12	
16	393	MASSACHUSETTS AVE	1724.3	RESID.	ML-CL/ 16.0' +/-	SEE DWG. NO. 16		N/A	BLACK ROCK CANAL	N/A	HA 12-12	
17	41, 43	LAWRENCE PL.	5261.4	VAC.	CL	SEE DWG. NO. 17		N/A	BLACK ROCK CANAL	N/A	HA 13-12	
18	608	W. UTICA ST.	4852.3	VAC.	CL	SEE DWG. NO. 18		N/A	BLACK ROCK CANAL	N/A	HA 14-12	
19	566	W. UTICA ST.	4660.4	VAC.	SC, CL	SEE DWG. NO. 19		N/A	BLACK ROCK CANAL	N/A	HA 15-12	
20	401	RHODE ISLAND ST.	5009.6	COMM./VAC.	CL	SEE DWG. NO. 20		N/A	BLACK ROCK CANAL	N/A	HA 16-12	
GREEN ROOFS:												
21	257	MASSACHUSETTS AVE	1150	RESID.	UNKNOWN	SEE DWG. NO. 21		N/A	BLACK ROCK CANAL	N/A	N/A	
22	527	W. UTICA ST.	3069.3	RESID.	UNKNOWN	SEE DWG. NO. 22		N/A	BLACK ROCK CANAL	N/A	N/A	
CISTERNS:												
23	309, 315	14TH ST.	975.5	COMM. GARDEN	UNKNOWN	SEE DWG. NO. 23		N/A	BLACK ROCK CANAL	N/A	N/A	
24	291, 293, 297	HAMPSHIRE ST.	714.5	COMM. GARDEN	UNKNOWN	SEE DWG. NO. 24		N/A	BLACK ROCK CANAL	N/A	N/A	
25	43	WINTER ST.	1100.9	COMM. GARDEN	UNKNOWN	SEE DWG. NO. 25		N/A	BLACK ROCK CANAL	N/A	N/A	
26	40, 42, 44	WINTER ST.	1555	COMM. GARDEN	UNKNOWN	SEE DWG. NO. 26		N/A	BLACK ROCK CANAL	N/A	N/A	
POROUS PAVEMENTS:												
27	265	W. DELEVAN		VAC.	ML	SEE DWG. NO. 27		UNKNOWN	SCAJAQUADA CR	N/A	NOT COMPLETED	
1	133	CHENANGO ST.		RESID./VAC.	UNKNOWN	SEE DWG. NO. 1		UNKNOWN	BLACK ROCK CANAL	N/A	HA 1-12	
16	393	MASSACHUSETTS AVE		RESID.	ML-CL	SEE DWG. NO. 16		UNKNOWN	BLACK ROCK CANAL	N/A	HA 12-12	

PUSH B*lue* : GREEN INFRASTRUCTURE PROJECTS

PROJECT DESCRIPTION MATRIX

SITE NO.	ADDRESS	STREET	DRAINAGE AREA (sf)	PROPOSED USE	PROJECT DESCRIPTION	SITE GRADING/ FLOWPATH	WQv (cf)	VOLUME OF STORAGE	REMARKS
RAIN GARDENS:									
1	129, 133, 135	CHENANGO ST.	7577.6	RESID./PASS. REC	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 1	135	200	
2	494	MASSACHUSETTS AVE	2973.4	RESID.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT/ DEPAVING	SEE DWG. NO. 2	78	92.6	
3	445	W. FERRY ST.	2656.7	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 3	123	141	
4	456	MASSACHUSETTS AVE	3252.7	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 4	11	116	
5	92	19TH ST.	4250	COMM. GARDEN	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 5	107	107	
6	37	19TH ST.	2404.4	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 6	81	119	
7	16	19TH ST.	4056.5	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 7	123	141	
8	123	18TH ST.	3383.8	COMM. GARDEN	RAIN GARDEN WITH DOWNSPOUT DISCONNECT/DEPAVING/IRRIGATION	SEE DWG. NO. 8	134	286	
9	381	HAMPSHIRE ST.	2745.7	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 9	108	108	
10	102	18TH ST.	2501.9	COMM. GARDEN	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 10	92	108	
11	111	18TH ST.	2895.8	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT/ DEPAVING	SEE DWG. NO. 11	85	108	
12	10	WINTER ST.	752.8	RESID.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 12	24	28	
13	12	WINTER ST.	3840.5	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 13	212	220	
14	16	WINTER ST.	3250.5	RESID.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 14	83	106	
15	405	MASSACHUSETTS AVE	3000	RESID.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 15	109	114	
16	393	MASSACHUSETTS AVE	1724.3	RESID.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT/DEPAVING	SEE DWG. NO. 16	110	108	
17	41, 43	LAWRENCE PL.	5261.4	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 17	63	79	
18	608	W. UTICA ST.	4852.3	COMM. GARDEN	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 18	75	79	
19	566	W. UTICA ST.	4660.4	PASS. REC.	RAIN GARDEN WITH DOWNSPOUT DISCONNECT	SEE DWG. NO. 19	103	108	
20	401	RHODE ISLAND ST.	5009.6	COMM./STORAG	RAIN GARDEN/ SHEET FLOW WITH FRENCH DRAIN	SEE DWG. NO. 20	84	110	
GREEN ROOFS:									
21	257	MASSACHUSETTS AVE	1150	RESID.	GREEN ROOF/DEPAVING	SEE DWG. NO. 21	82	101	
22	527	W. UTICA ST.	3069.3	RESID.	GREEN ROOF	SEE DWG. NO. 22	219	266	
CISTERNS:									
23	309, 315	14TH ST.	975.5	COMM. GARDEN	PAVILION ROOF COLLECTION/DOWNSPOUT DISCONNECTION/CONVEY TO STORAGE	SEE DWG. NO. 23	70	1000	
24	291, 293, 297	HAMPSHIRE ST.	714.5	COMM. GARDEN	PAVILION ROOF COLLECTION/DOWNSPOUT DISCONNECTION/CONVEY TO STORAGE	SEE DWG. NO. 24	51	1000	
25	43	WINTER ST.	1100.9	COMM. GARDEN	DOWNSPOUT DISCONNECT/UNDERGROUND CISTERN WITH HAND PUMP	SEE DWG. NO. 25	78.4	1000	
26	40, 42, 44	WINTER ST.	1555	COMM. GARDEN	DOWNSPOUT DISCONNECT/UNDERGROUND CISTERN WITH HAND PUMP	SEE DWG. NO. 26	111	2000	
POROUS PAVEMENTS:									
27	265	W. DELEVAN		RECREATION	POROUS PAVEMENT SPORT SURFACE	SEE DWG. NO. 27	333	1253	
1	133	CHENANGO ST.		RESID./PASS. REC	POROUS PAVEMENT	SEE DWG. NO. 1	42.75	144	
16	393	MASSACHUSETTS AVE		RESID.	POROUS PAVEMENT	SEE DWG. NO. 16	12.8	48	
					PROJECT TOTALS		**2940**	**9291**	



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: AUGUST 25 & 31, 2009
SHEET: 5468, 13598
NO.: 09-376, 09-391

PART OF BLOCK 189
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

HYDROLOGIC SOIL GROUP C

RAIN GARDEN:

A_1 = 518.7 sf, A_2 = 1,053.7 sf
$A_I = A_1 + A_2$ = 1,572.4 sf
A_D = 7,577.6 sf
$I = A_I/A_D$ = 20.8%
WQ_v = 135 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 200 sf
V_T = 200 cf

POROUS PAVEMENT:

WQ_v = 42.75 cf

n = 0.4
d_t = 8" = 0.667'

STORAGE VOLUME:
V_S = 144cf

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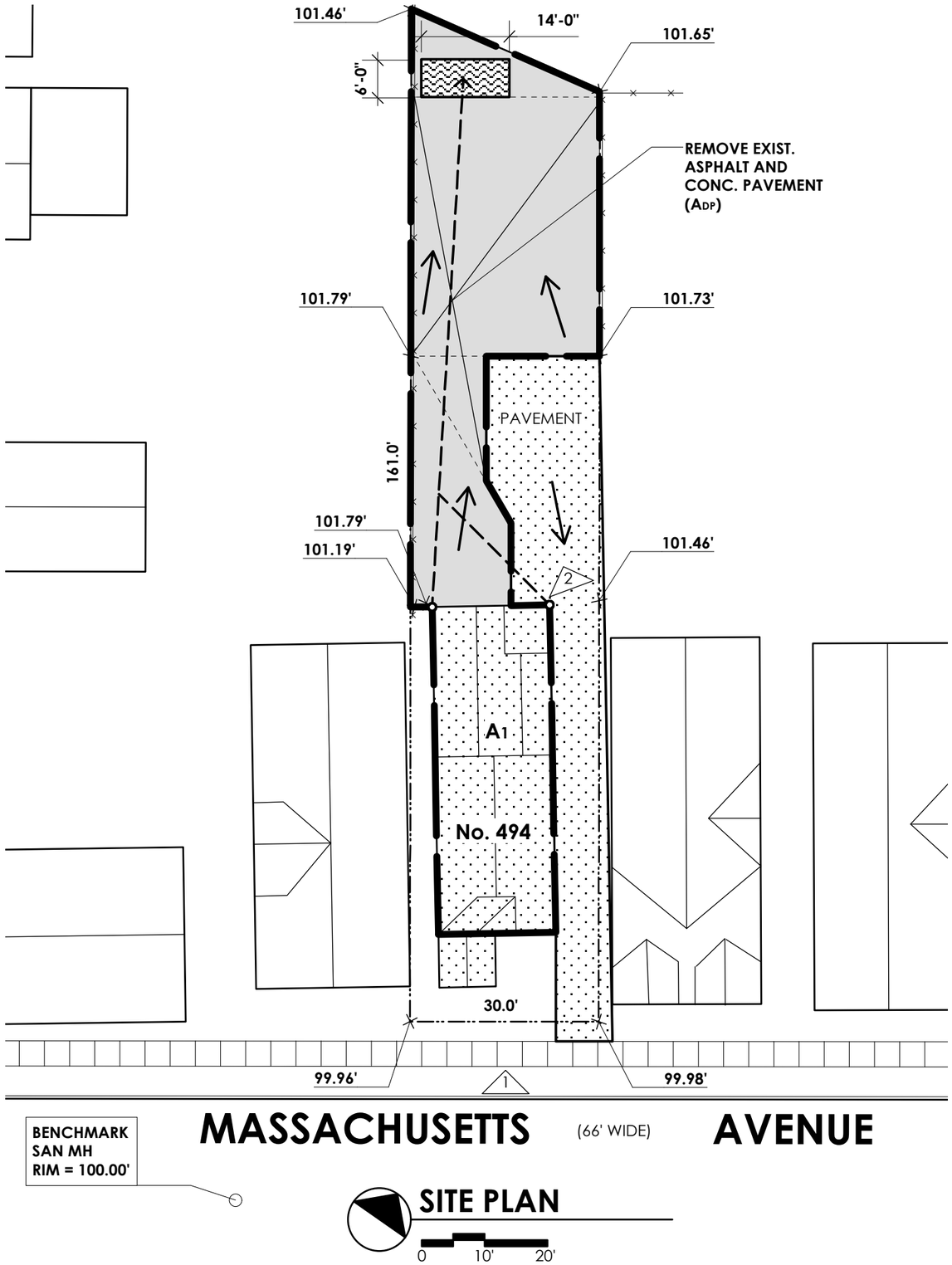
16 July 2012

PROPOSED PLAN

129, 133, 135 CHENANGO

DWG. NO.

1



LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

NO TEST HOLES

RAIN GARDEN:

A_1 = 971.8 sf
A_I = 971.8 sf
A_D = 2,973.4 sf
$I = A_I/A_D$ = 32.7%
WQ_V = 78 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 84 sf
V_T = 92.6 cf

DEPAVING:

A_{DP} = 1,340 sf

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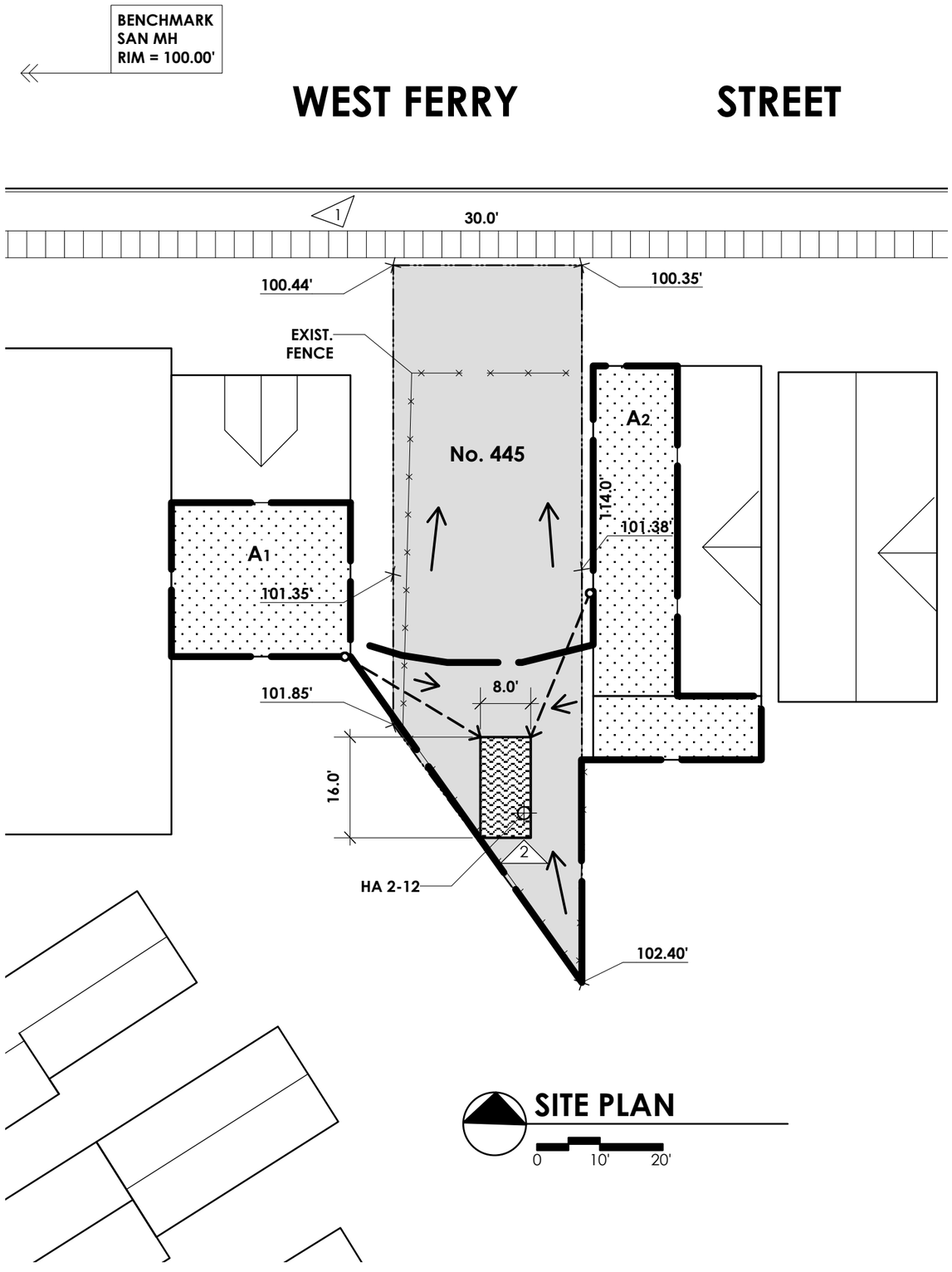
PROPOSED PLAN

494 MASSACHUSETTS

DWG. NO. **2**



LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP C

RAIN GARDEN:

A_1 = 698.3 sf, A_2 = 973.4 sf
$A_I = A_1 + A_2$ = 1,671.7 sf
A_D = 2,656.7 sf
$I = A_I/A_D$ = 62.9%
WQ_V = 123 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 128 sf
V_T = 141 cf

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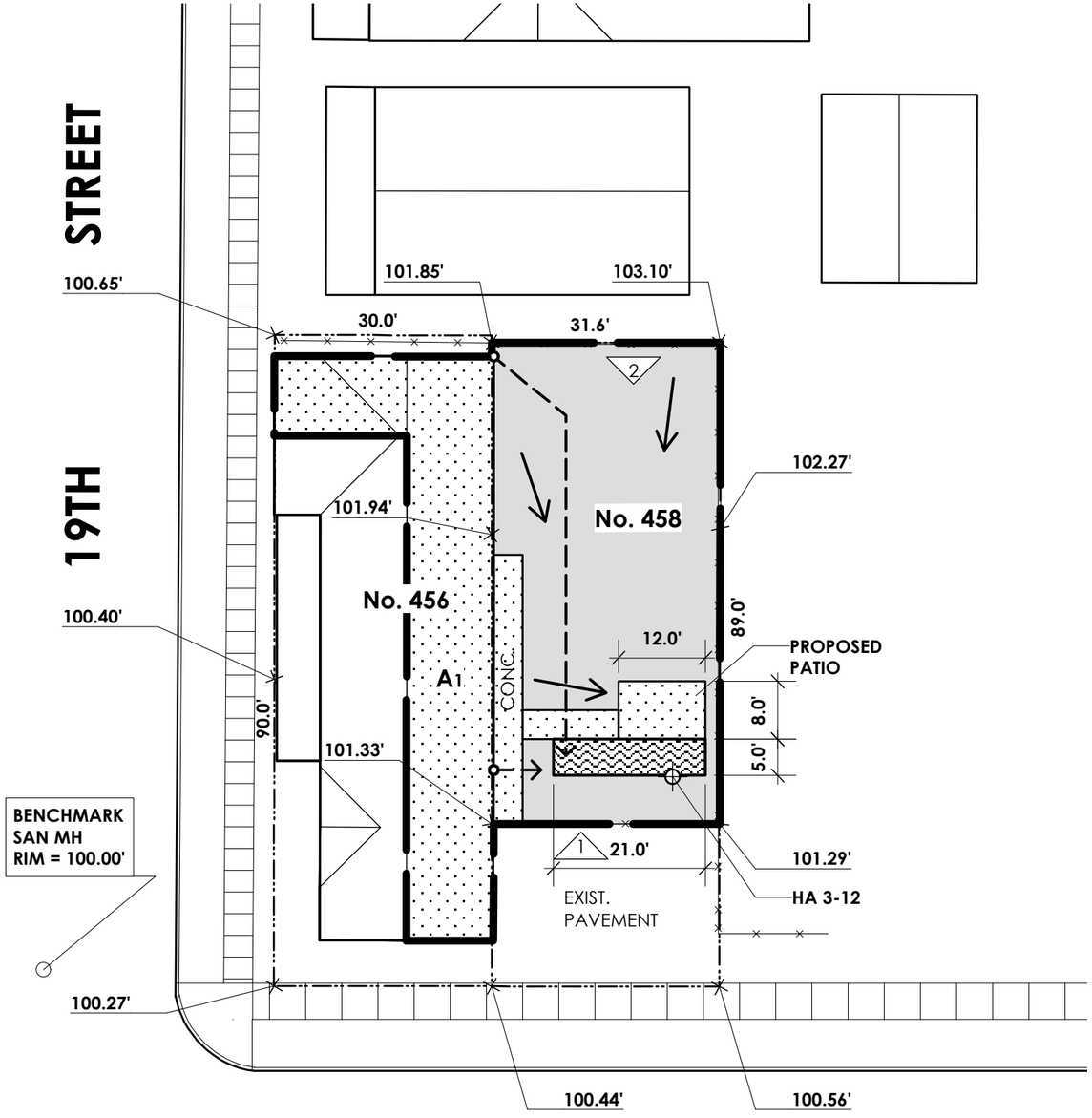
16 July 2012

PROPOSED PLAN

445 WEST FERRY

DWG. NO. **3**



MASSACHUSETTS (66' WIDE) AVENUE

SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP C

RAIN GARDEN:

A_1 = 1,468.6 sf
A_I = 1,468.6 sf
A_D = 3,252.7 sf
$I = A_I/A_D$ = 45.1%
WQ_v = 11 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 105 sf
V_T = 116 cf

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PUSH *Blue*

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Project # 1230

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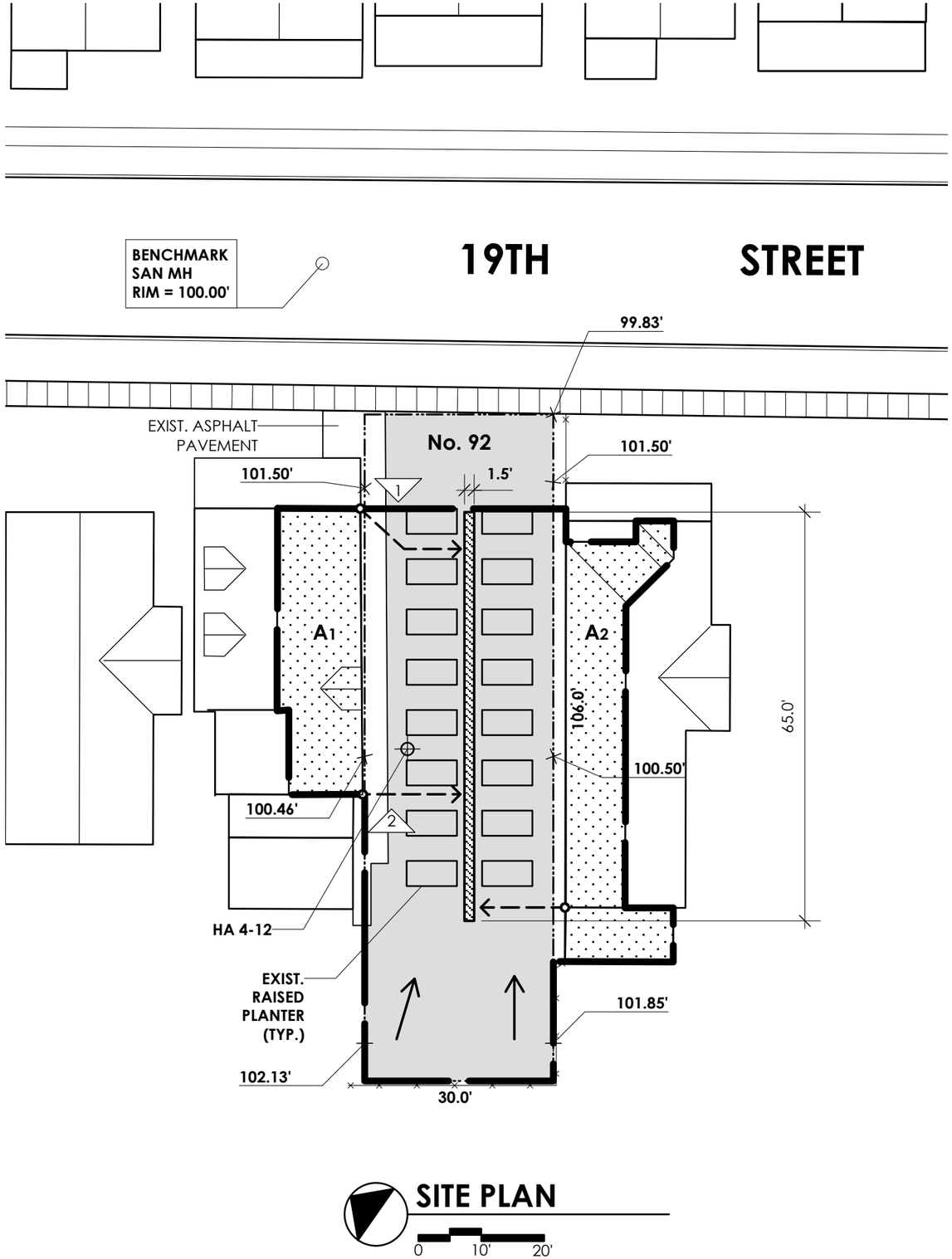
16 July 2012

PROPOSED PLAN

456, 458 MASSACHUSETTS

DWG. NO. **4**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP C

RAIN GARDEN:

A_1 = 584.8 sf, A_2 = 768.3 sf
$A_I = A_1 + A_2$ = 1,353.1 sf
A_D = 4,250.0 sf
$I = A_I/A_D$ = 31.8%
WQ_v = 107 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 98 sf
V_T = 107 cf

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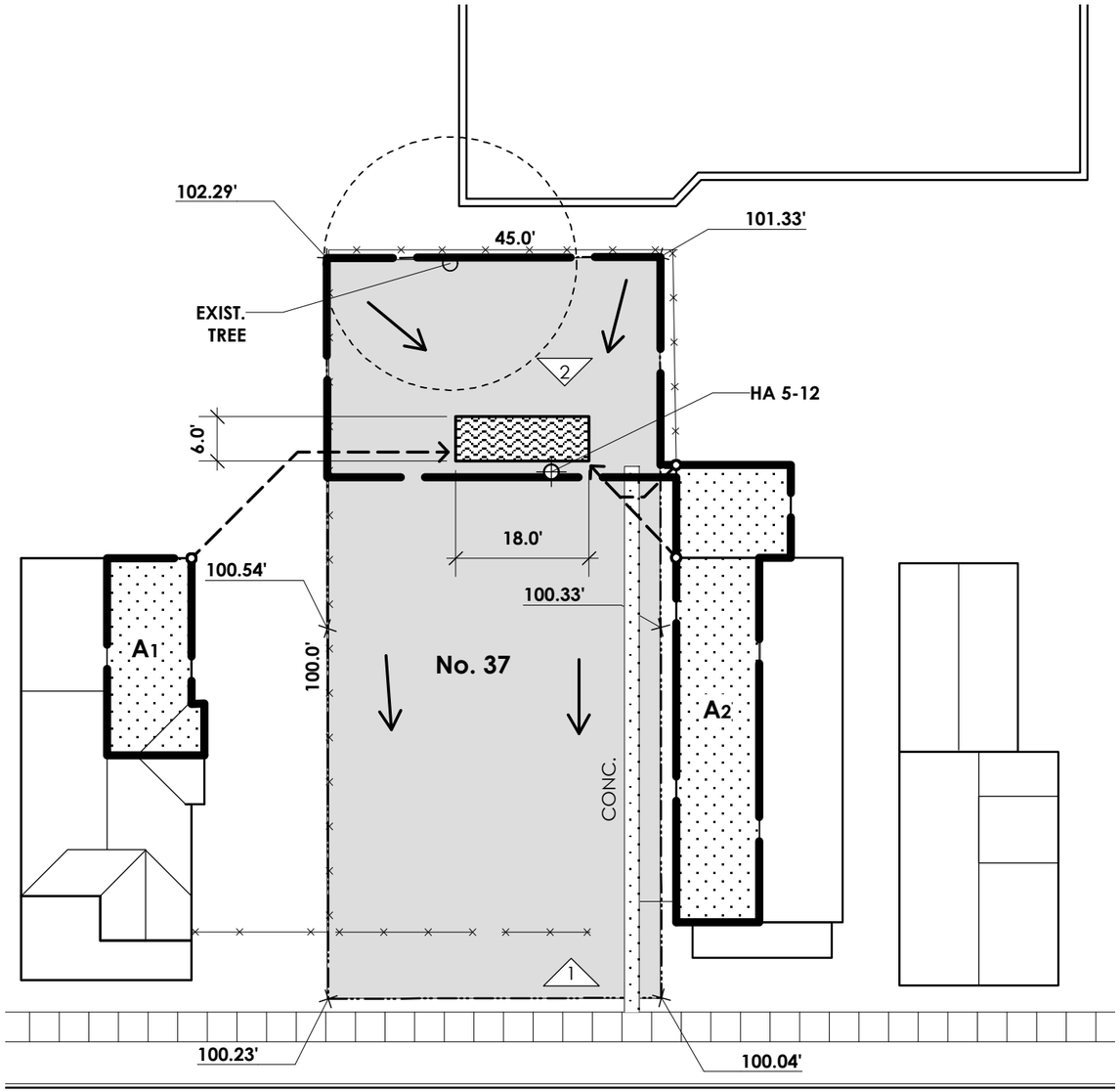
PROPOSED PLAN

92
19TH

DWG. NO.
5



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP C

RAIN GARDEN:

A_1 = 315.9 sf, A_2 = 751.9 sf
$A_I = A_1 + A_2$ = 1,067.8 sf
A_D = 2,404.4 sf
$I = A_I/A_D$ = 44.4%
WQ_V = 81 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 108 sf
V_T = 119 cf

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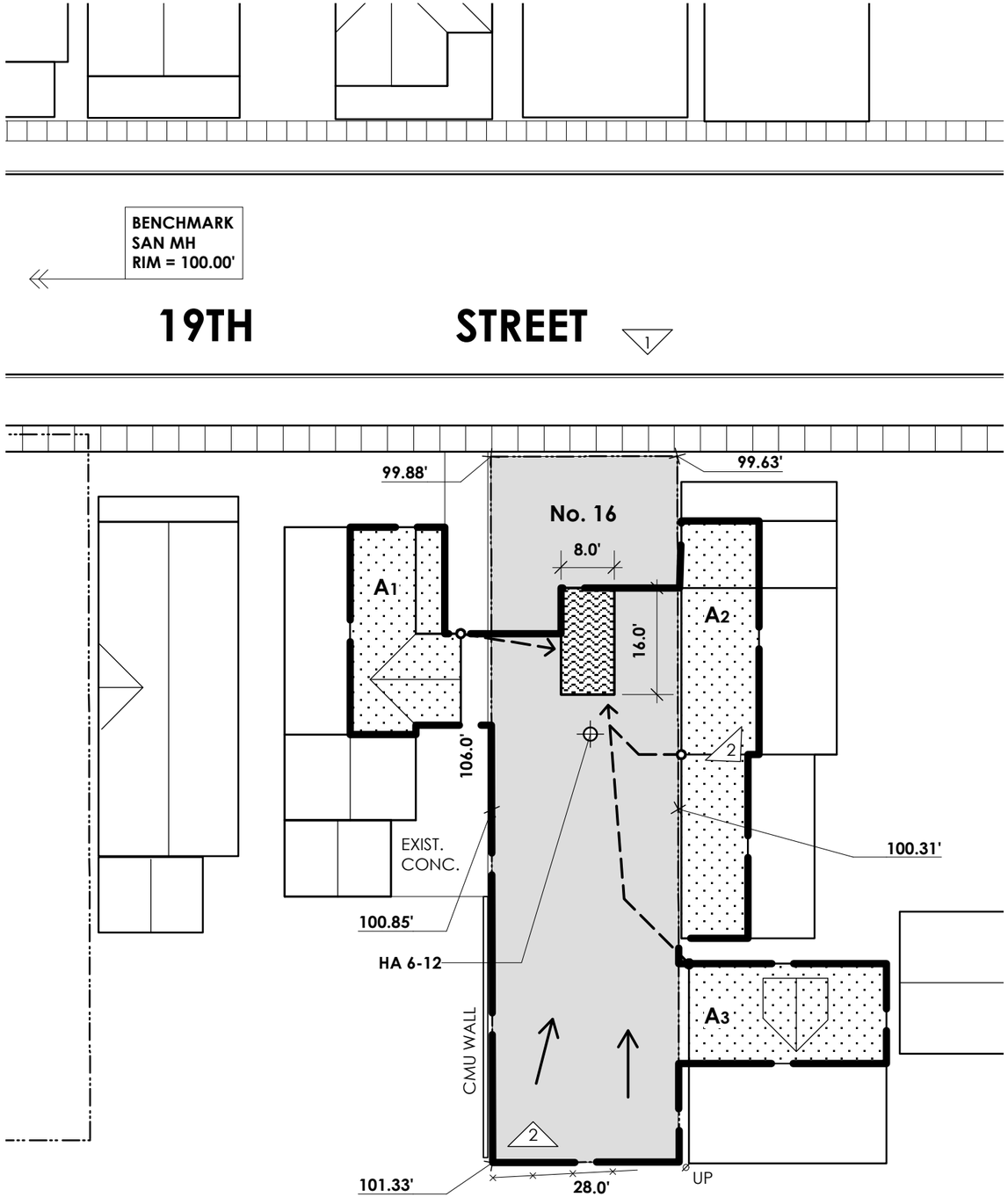
PROPOSED PLAN

37
19TH

DWG. NO.
6



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: APRIL 16, 2010
SHEET: 10395
NO.: 10-137

NORTH 28.0' OF SUBLOT 33 AND
EASTERLY HALF OF ABANDONED ALLEY
BLOCK "2" - MAP COVER 164
PART OF BLOCK 173
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

HYDROLOGIC SOIL GROUP C

RAIN GARDEN:

A_1 = 469.9 sf, A_2 = 685.1 sf, A_3 = 445.0 sf
$A_I = A_1 + A_2$ = 1,600.0 sf
A_D = 4,056.5 sf
$I = A_I/A_D$ = 39.4%
WQ_v = 123 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 128 sf
V_T = 141 cf

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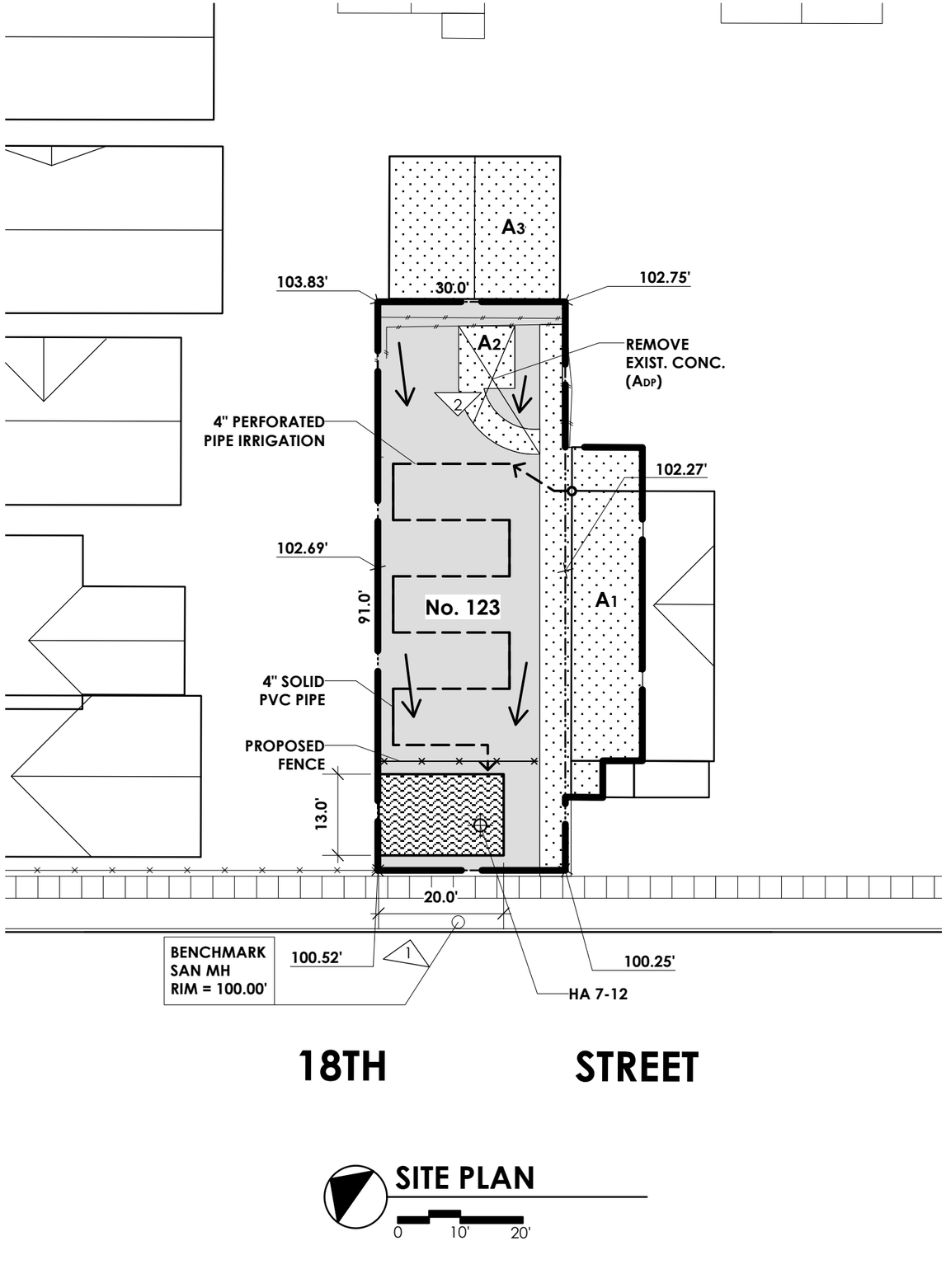
PROPOSED PLAN

16
19TH

DWG. NO.
7



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: APRIL 16, 2010
SHEET: 58847
NO.: 10-139

PART OF BLOCK 190
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

HYDROLOGIC SOIL GROUP C

RAIN GARDEN:

A_1 = 602.1 sf, A_2 = 570.5 sf, A_3 = 624.1 sf
$A_I = A_1 + A_2 + A_3$= 1,796.7 sf
A_D = 3,383.8 sf
$I = A_I/A_D$ = 53.1%
WQ_V = 134 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 260 sf
V_T = 286 cf

DEPAVING:

A_{DP} = 150.7 sf

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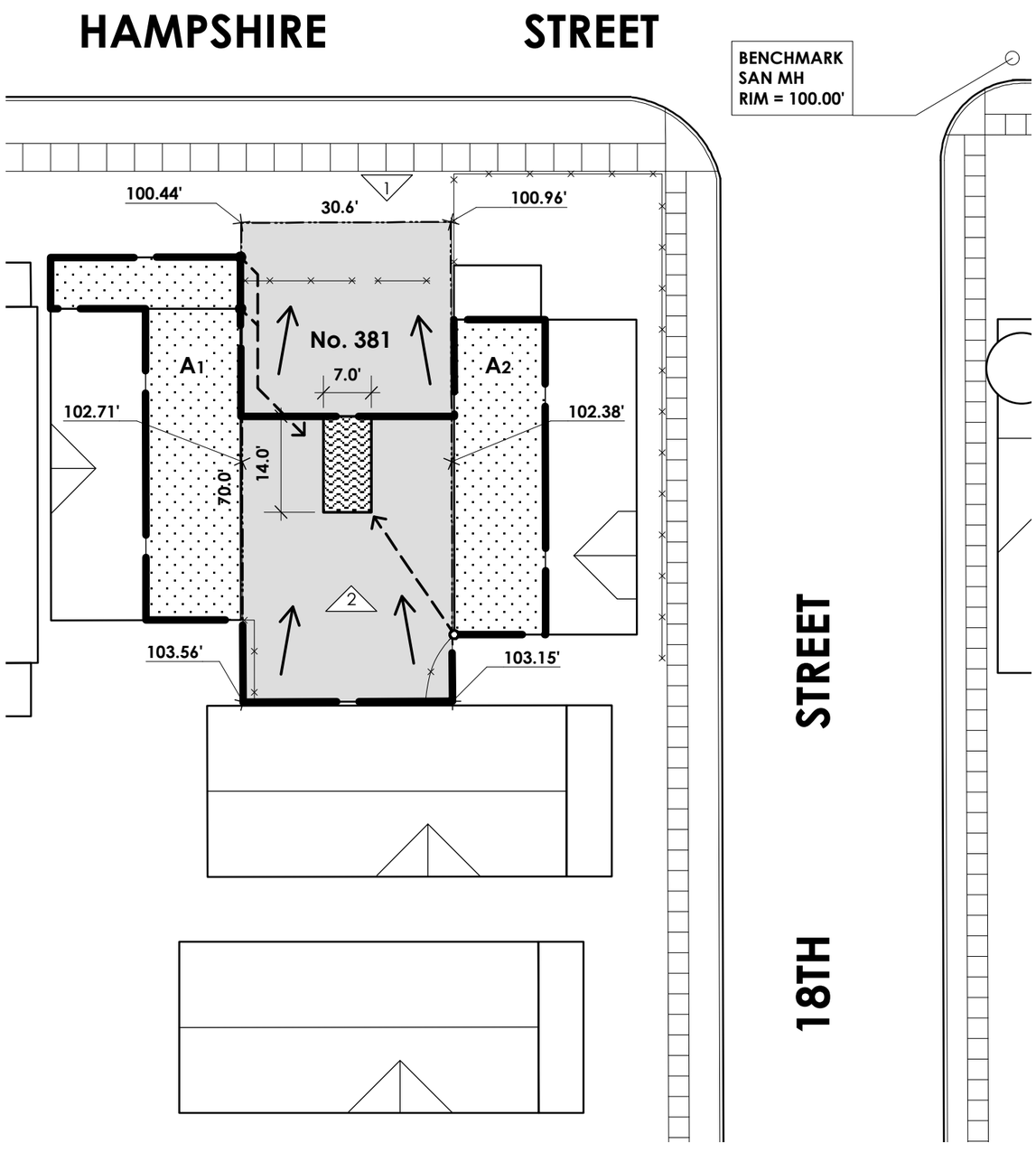
PROPOSED PLAN

123
18TH

DWG. NO.
8



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

NO TEST HOLES

RAIN GARDEN:

A_1 = 839.4 sf, A_2 = 610.6 sf
$A_I = A_1 + A_2$ = 1,450.0 sf
A_D = 2,745.7 sf
$I = A_I/A_D$ = 52.8%
WQ_v = 108 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 98 sf
V_T = 108 cf

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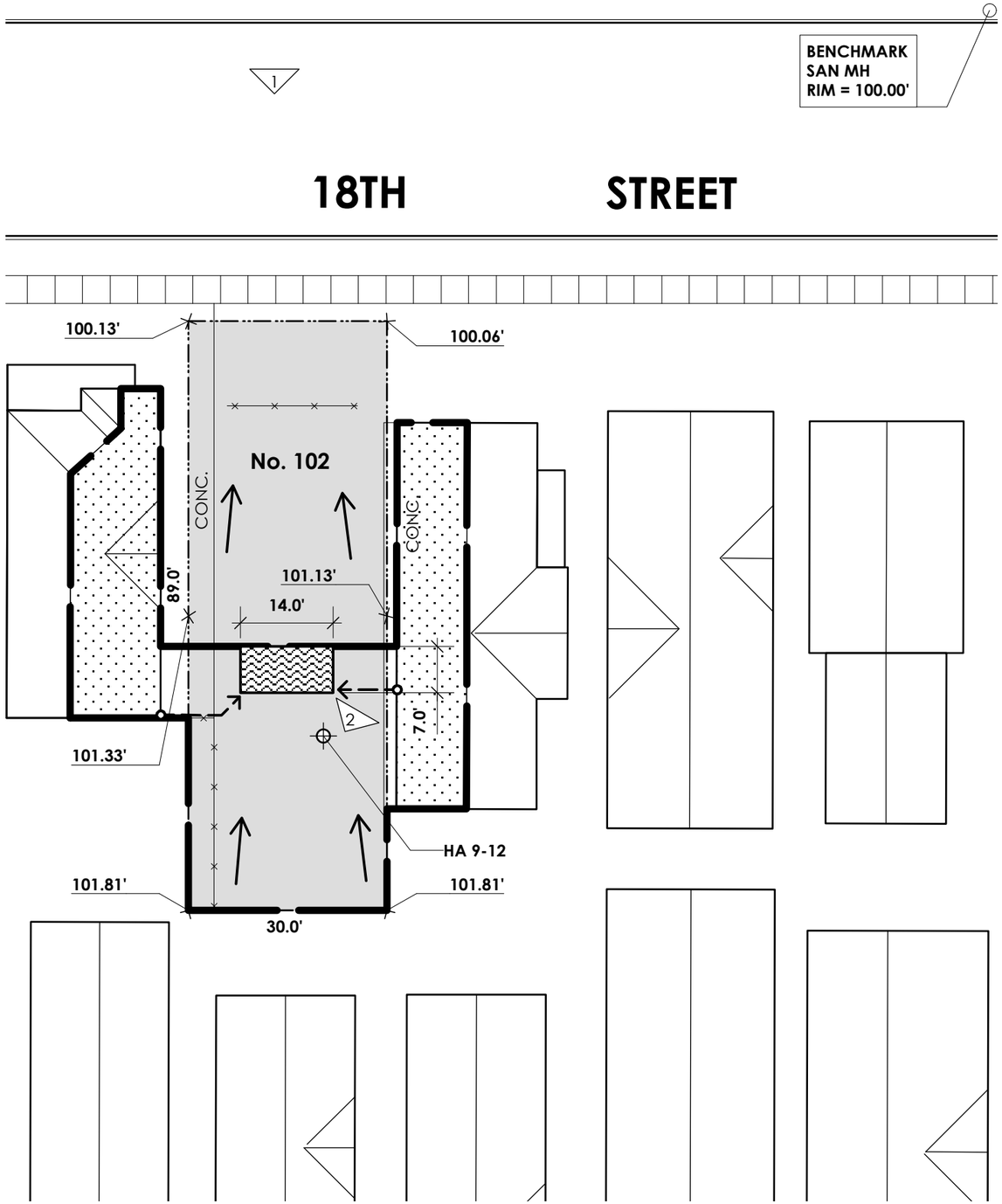
PROPOSED PLAN

381 HAMPSHIRE

DWG. NO. **9**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP C

RAIN GARDEN:

A_1 = 606.3 sf, A_2 = 617.4 sf
$A_I = A_1 + A_2$ = 1,223.7 sf
A_D = 2,501.9 sf
$I = A_I/A_D$ = 48.9%
WQ_v = 92 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 98 sf
V_T = 108 cf

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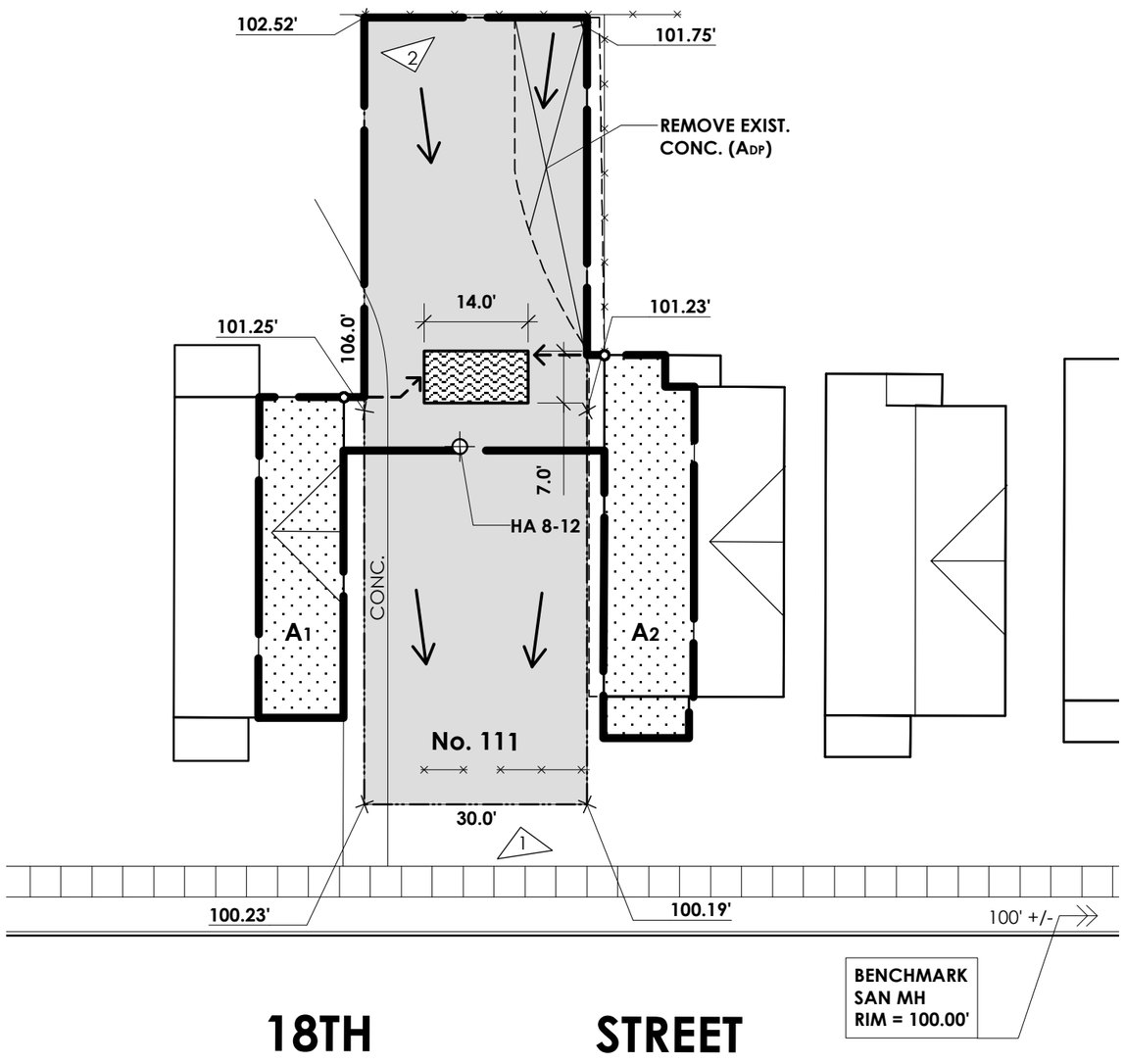
PROPOSED PLAN

102
18TH

DWG. NO.
10



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP D

RAIN GARDEN:

A_1 = 490.6 sf, A_2 = 605.1 sf
$A_I = A_1 + A_2$ = 1,095.7 sf
A_D = 2,895.8 sf
$I = A_I/A_D$ = 37.8%
WQ_V = 85 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 98 sf
V_T = 108 cf

DEPAVING:

A_{DP} = 427.4 sf

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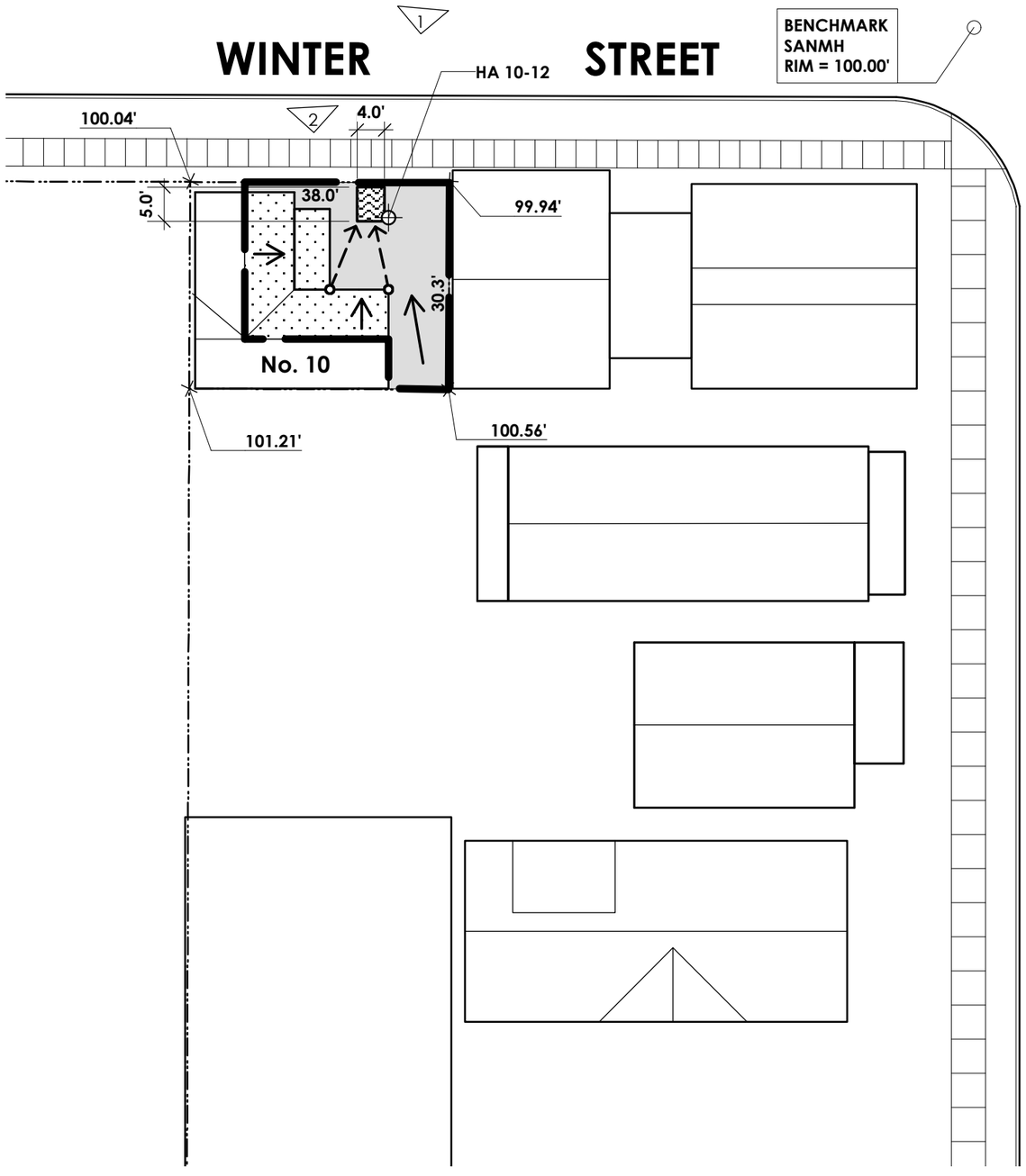
PROPOSED PLAN

111
18TH

DWG. NO.
11



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP D

RAIN GARDEN:

A_1 = 318.7 sf
A_I = 318.7 sf
A_D = 752.8 sf
$I = A_I/A_D$ = 42.3%
WQ_V = 24 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (3'-0" DEPTH)
A_{RG} = 15 sf
V_T = 28 cf

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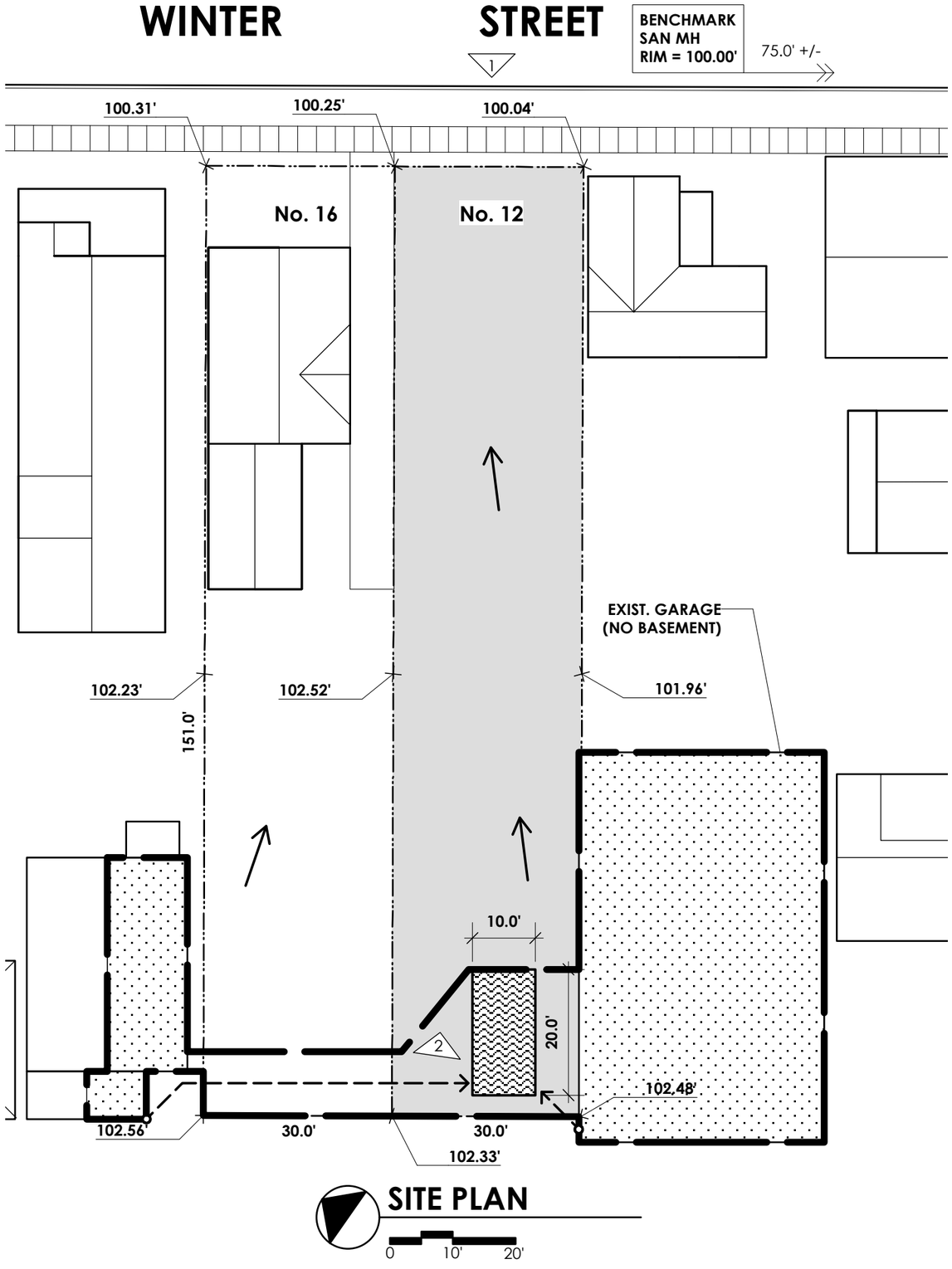
PROPOSED PLAN

10 WINTER

DWG. NO. **12**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

NO TEST HOLES

RAIN GARDEN:

A_1 = 505.5 sf, A_2 = 2,418.0 sf
$A_I = A_1 + A_2$ = 2,923.5 sf
A_D = 3,840.5 sf
$I = A_I/A_D$ = 76.1%
WQ_V = 212 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 200 sf
V_T = 220 cf

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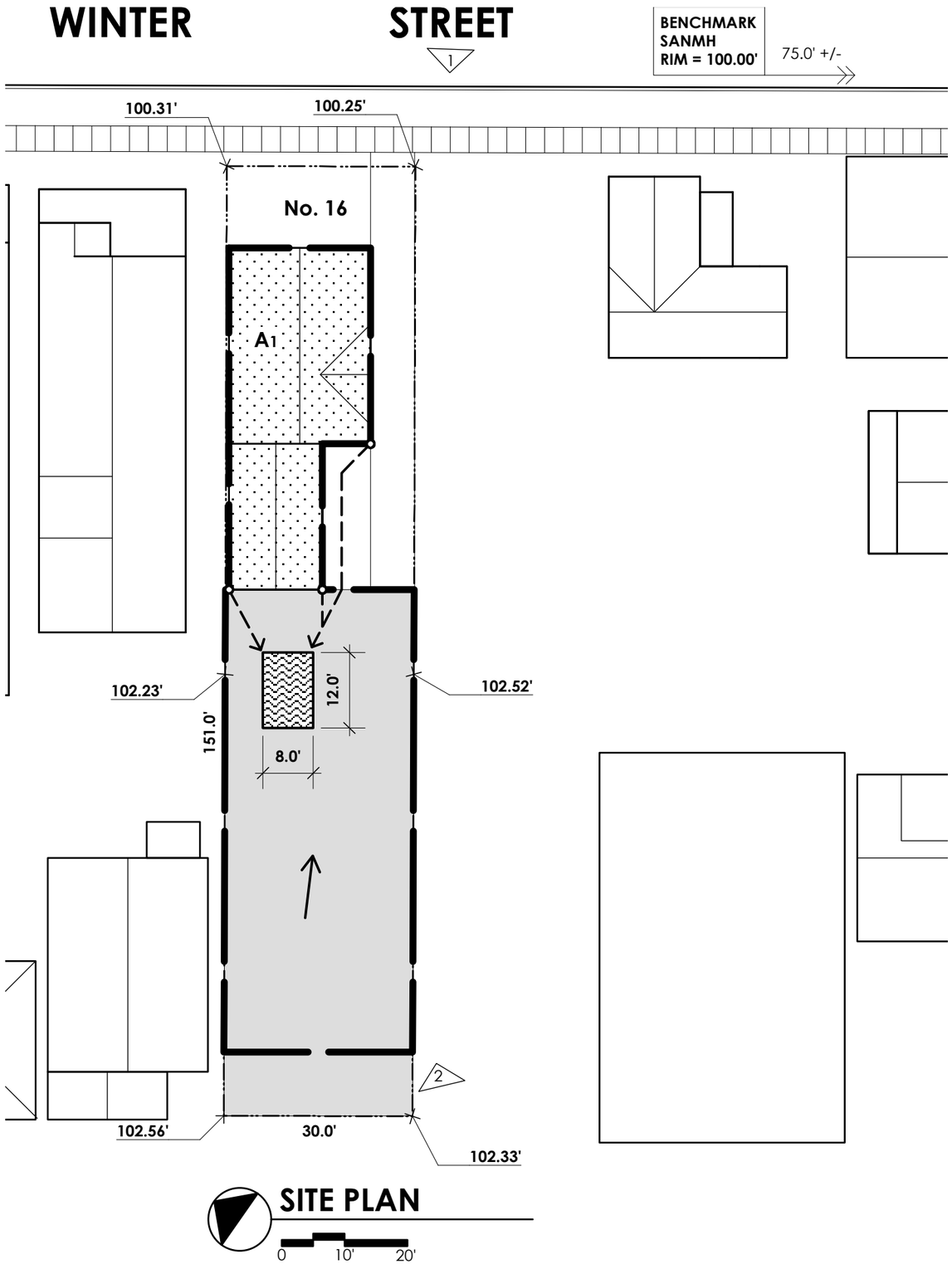
PROPOSED PLAN

12
WINTER

DWG. NO.
13



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

NO TEST HOLES

RAIN GARDEN:

A_1 = 1,044.9 sf
A_I = 1,044.9 sf
A_D = 3,250.5 sf
$I = A_I/A_D$ = 32.1%
WQ_v = 83 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 96 sf
V_T = 106 cf

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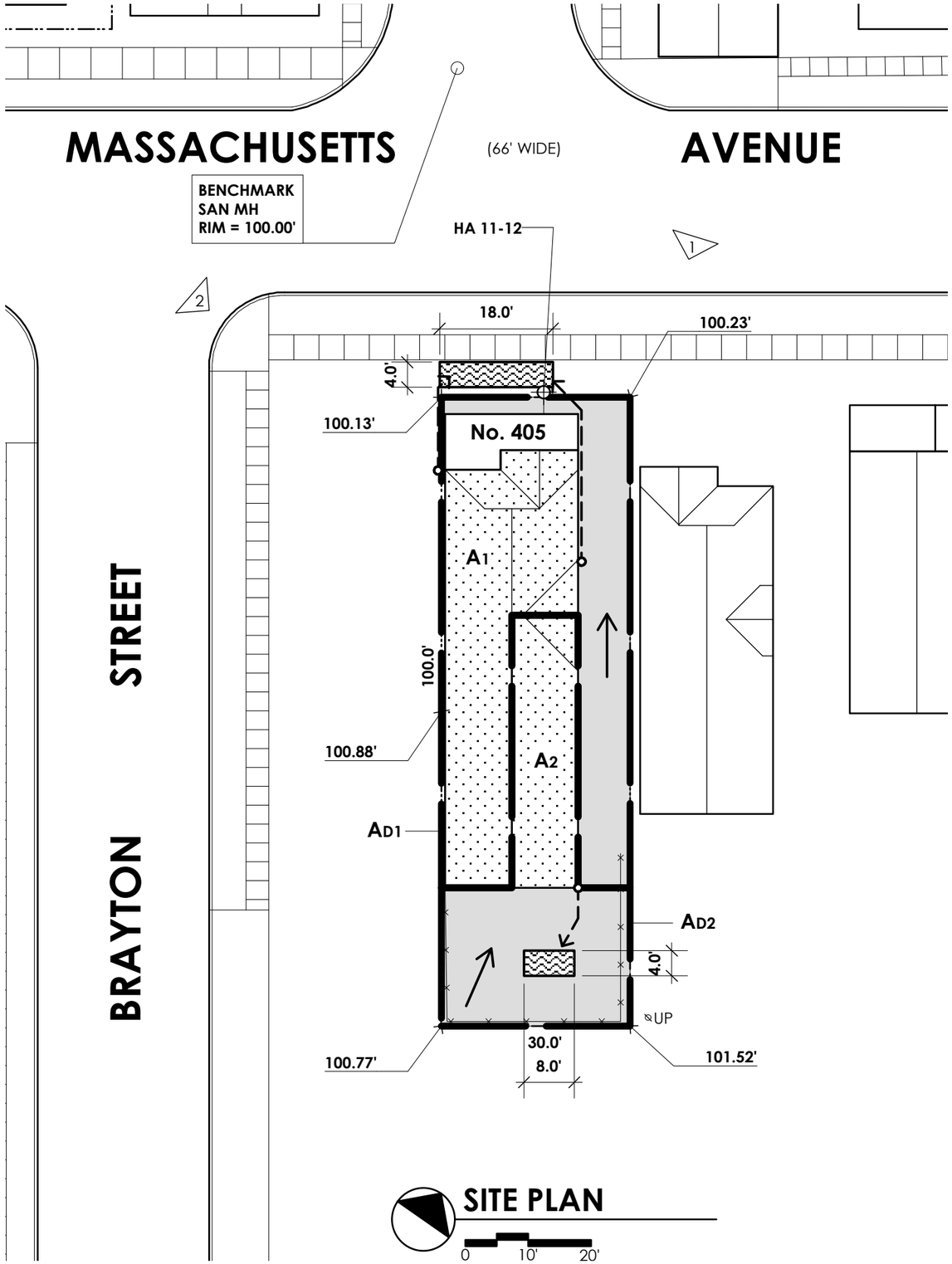
PROPOSED PLAN

16
WINTER

DWG. NO.
14



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- 1 PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

NO TEST HOLES

RAIN GARDEN:

A_1 = 987.0 sf	A_2 = 458.6 sf
A_I = 987.0 sf	A_I = 458.6 sf
A_{D1} = 1,882.4	A_{D2} = 1,117.6 sf
$I_1 = A_I/A_D$ = 52.5%	$I_2 = A_I/A_D$ = 41.0%
WQ_{V1} = 74 cf	**WQ_{V2} = 35 cf**
PONDING DEPTH = 6"	PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)	P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)	P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG1} = 72 sf	A_{RG2} = 32 sf
V_{T1} = 79 cf	**V_{T2} = 35 cf**

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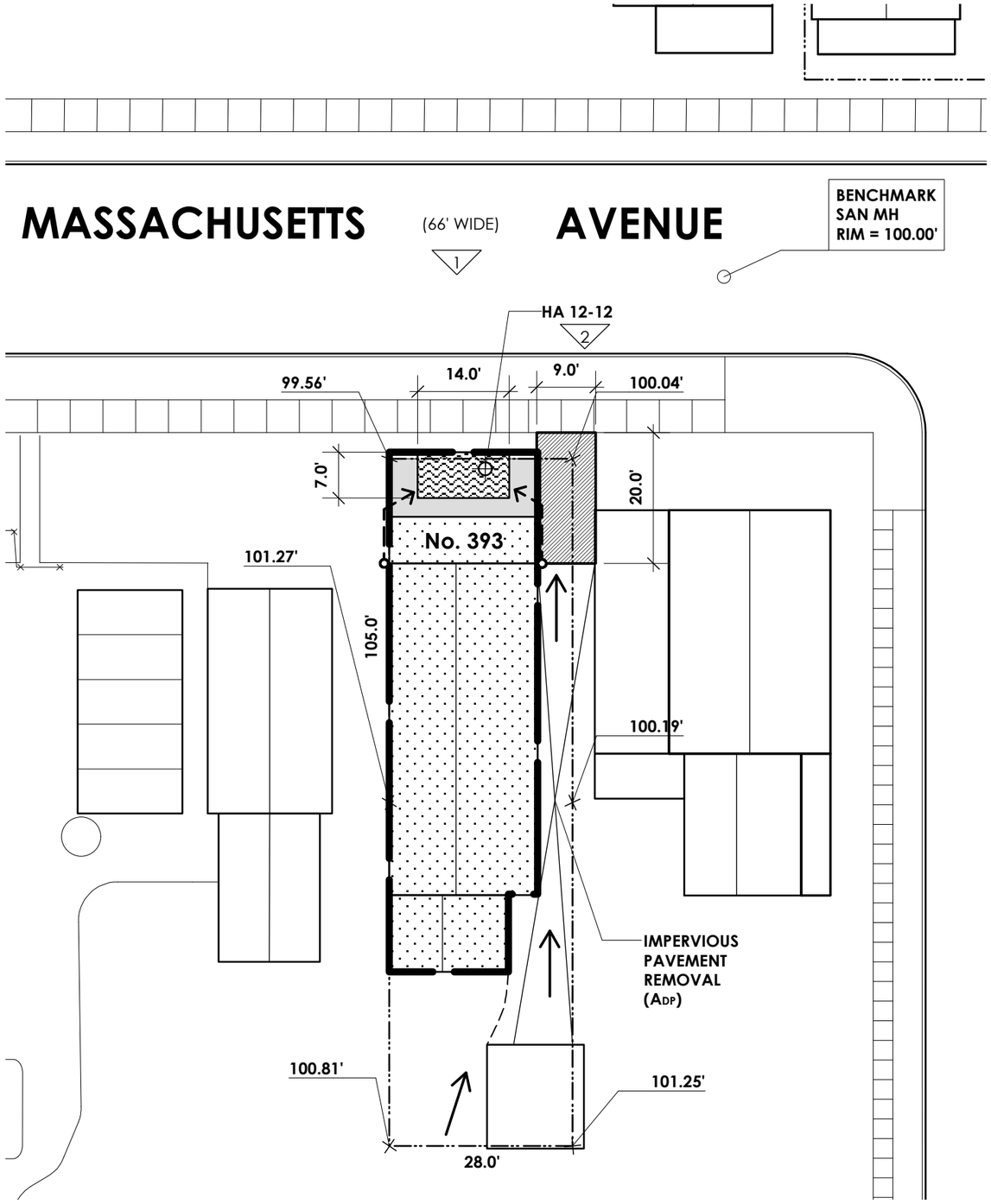
PROPOSED PLAN

405 MASSACHUSETTS

DWG. NO.

15



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP D

RAIN GARDEN:

A_1 = 1,524.2 sf
A_I = 1,524.2 sf
A_D = 1,724.3 sf
$I = A_I/A_D$ = 88.4%
WQ_V = 110 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 98 sf
V_T = 108 cf

POROUS PAVEMENT:

WQ_V = 12.8 cf

n = 0.4
d_t = 8" = 0.667'

STORAGE VOLUME:
V_S = 48 cf

DEPAVING:

A_{DP} = 513.2 sf

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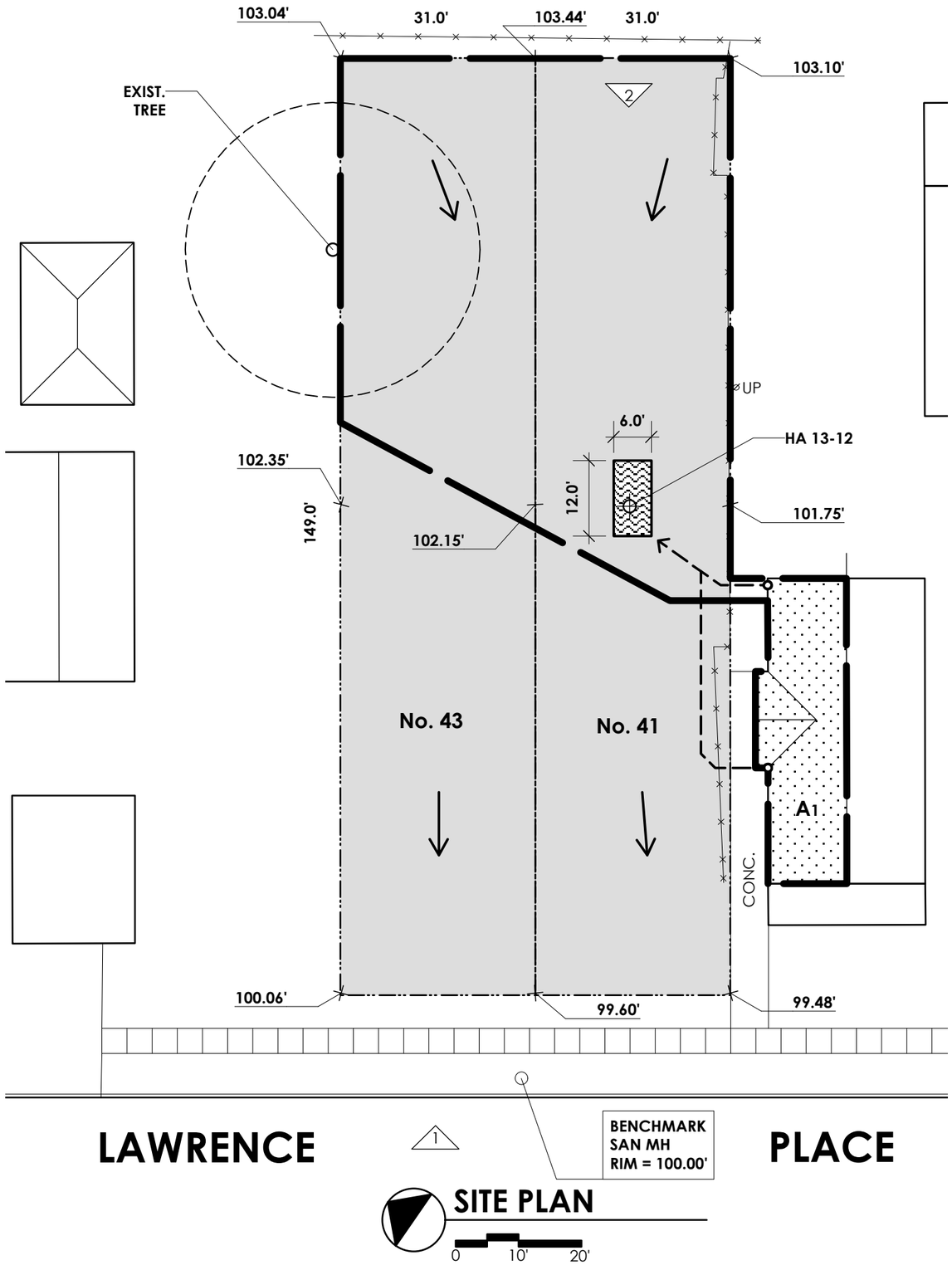
PROPOSED PLAN

393 MASSACHUSETTS

DWG. NO.

16



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
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- IMPERVIOUS SURFACE
- RAIN GARDEN
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- GREEN ROOF
- FLOW LINES
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- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: APRIL 19, 2010
SHEET: 15384, 68776
NO.: 10-142, 10-143

PART OF BLOCK 192
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

HYDROLOGIC SOIL GROUP D

RAIN GARDEN:

A_1 = 637.0 sf
A_I = 637.0 sf
A_D = 5,261.4 sf
$I = A_I/A_D$ = 12.1%
WQ_V = 63 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 72 sf
V_T = 79 cf

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Project # 1230

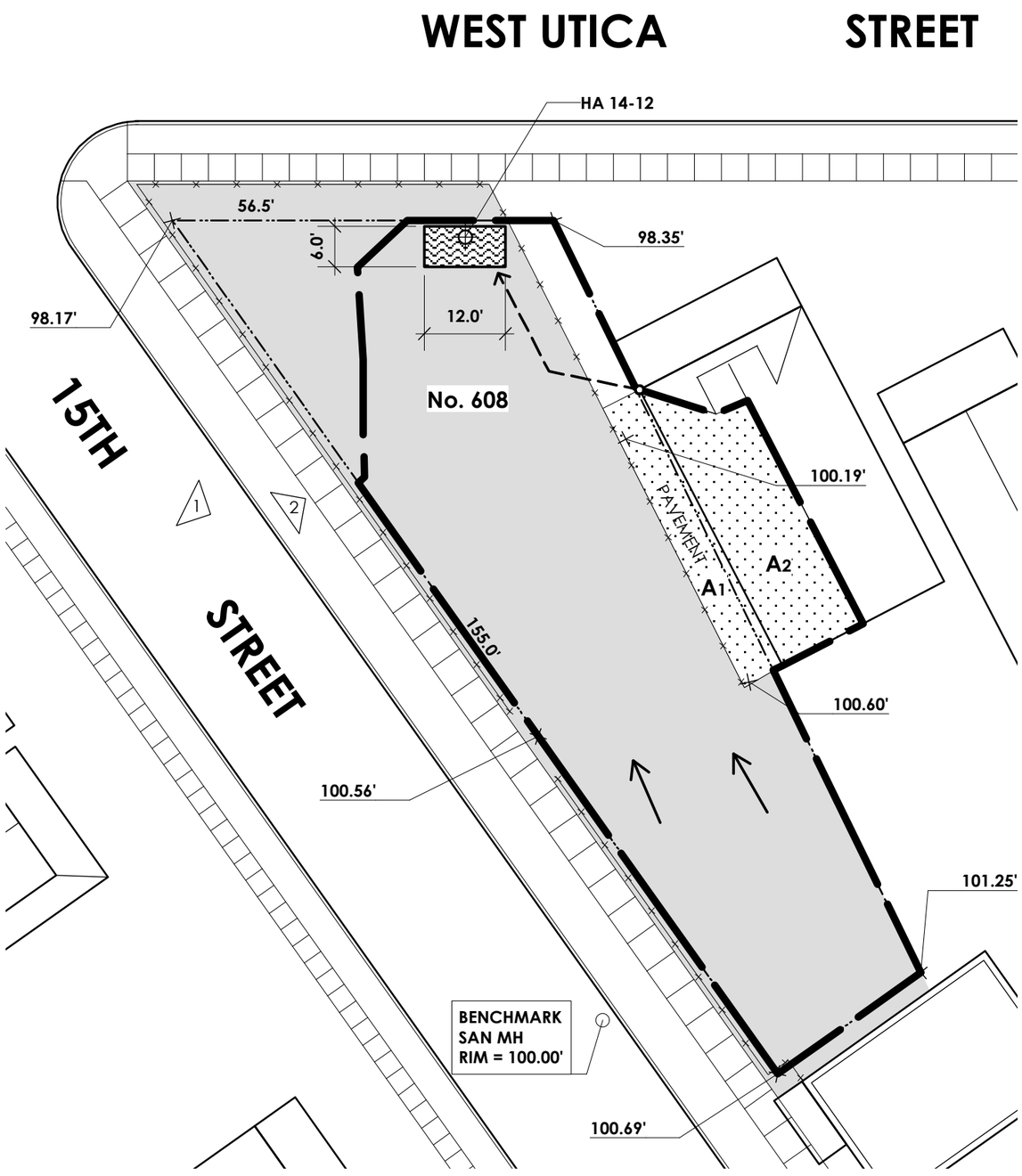
DRAWN BY: jml

16 July 2012

PROPOSED PLAN

41, 43 LAWRENCE

DWG. NO. **17**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP D

RAIN GARDEN:

A_1 = 292.2 sf, A_2 = 541.9 sf
$A_I = A_1 + A_2$ = 834.1 sf
A_D = 4,852.3 sf
$I = A_I/A_D$ = 17.2%
WQ_V = 75 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 72 sf
V_T = 79 cf

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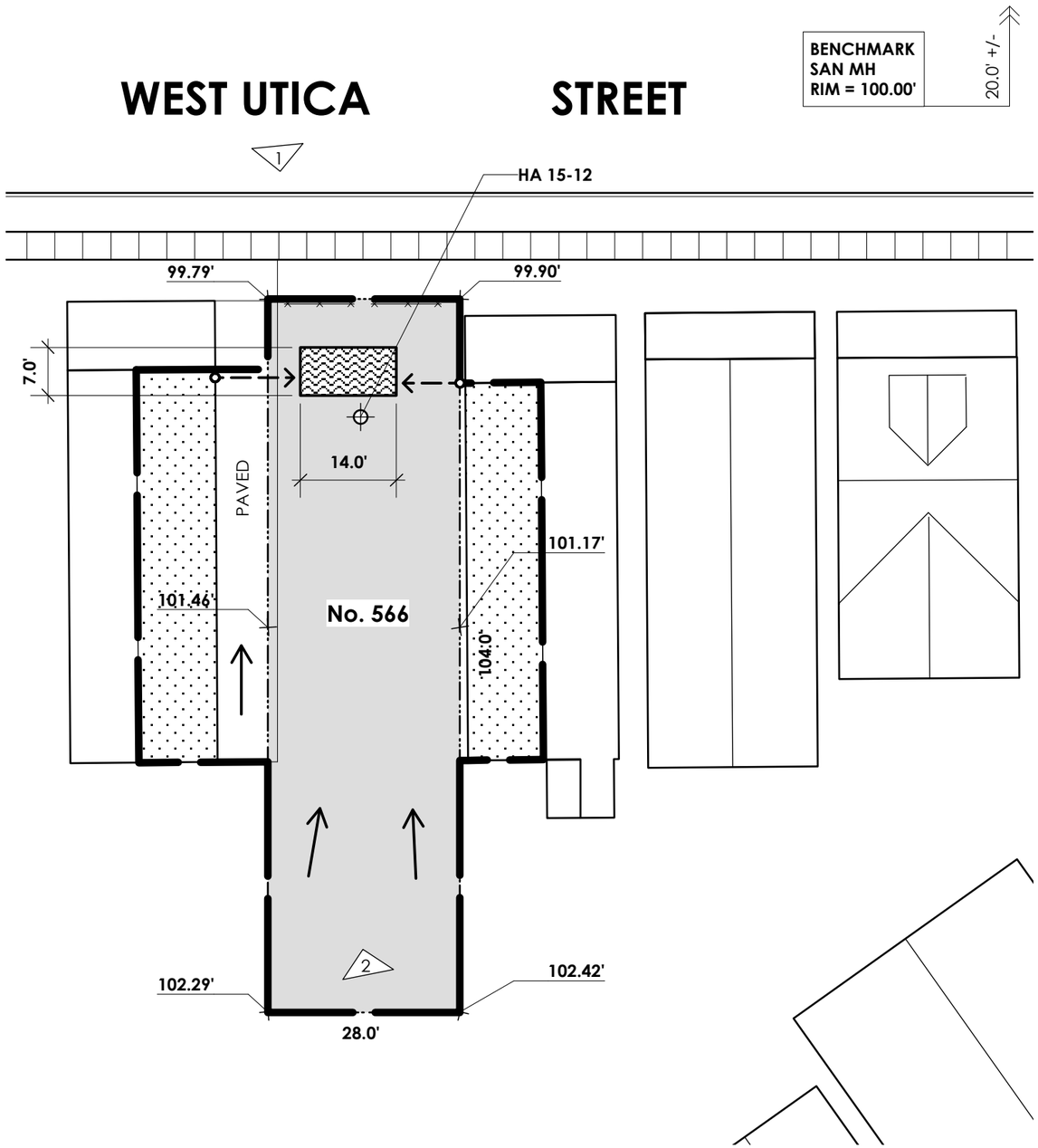
PROPOSED PLAN

608 WEST UTICA

DWG. NO. **18**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

HYDROLOGIC SOIL GROUP D

RAIN GARDEN:

A_1 = 658.4 sf, A_2 = 605.0 sf
$A_I = A_1 + A_2$ = 1,263.4 sf
A_D = 4,660.4 sf
$I = A_I/A_D$ = 27.1%
WQ_V = 103 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 98 sf
V_T = 108 cf

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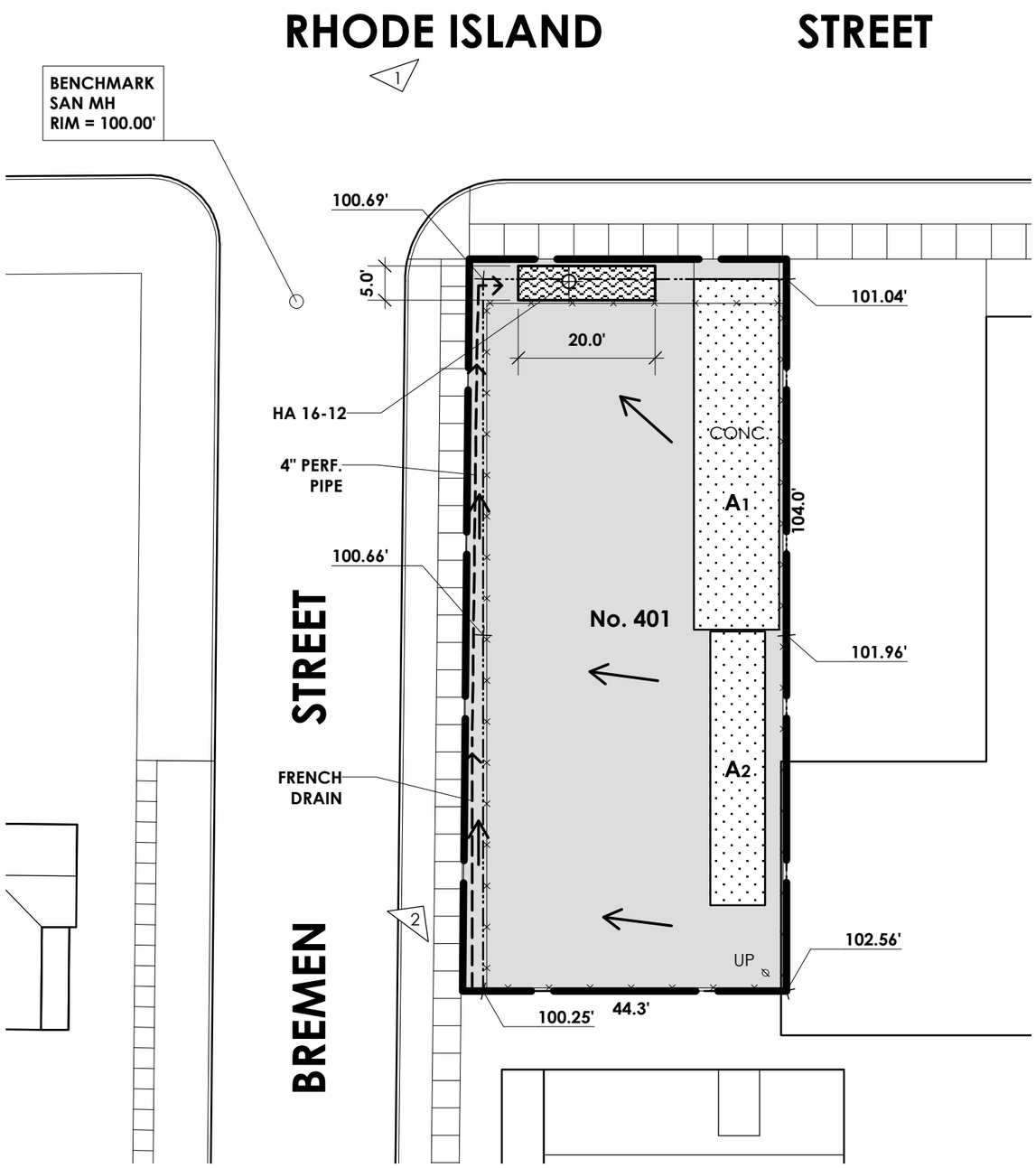
PROPOSED PLAN

566 WEST UTICA

DWG. NO. **19**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: OCTOBER 25, 2010
SHEET: 68905
NO.: 10-401

PART OF BLOCK 156
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

HYDROLOGIC SOIL GROUP D

RAIN GARDEN:

A_1 = 640.0 sf, A_2 = 320.0 sf
$A_I = A_1 + A_2$ = 960.0 sf
A_D = 5,009.5 sf
$I = A_I/A_D$ = 19.2%
WQ_V = 84 cf

PONDING DEPTH = 6"
P_{SM} = 0.20 (1'-0" DEPTH)
P_{DL} = 0.40 (1'-0" DEPTH)
A_{RG} = 100 sf
V_T = 110 cf

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Project # 1230

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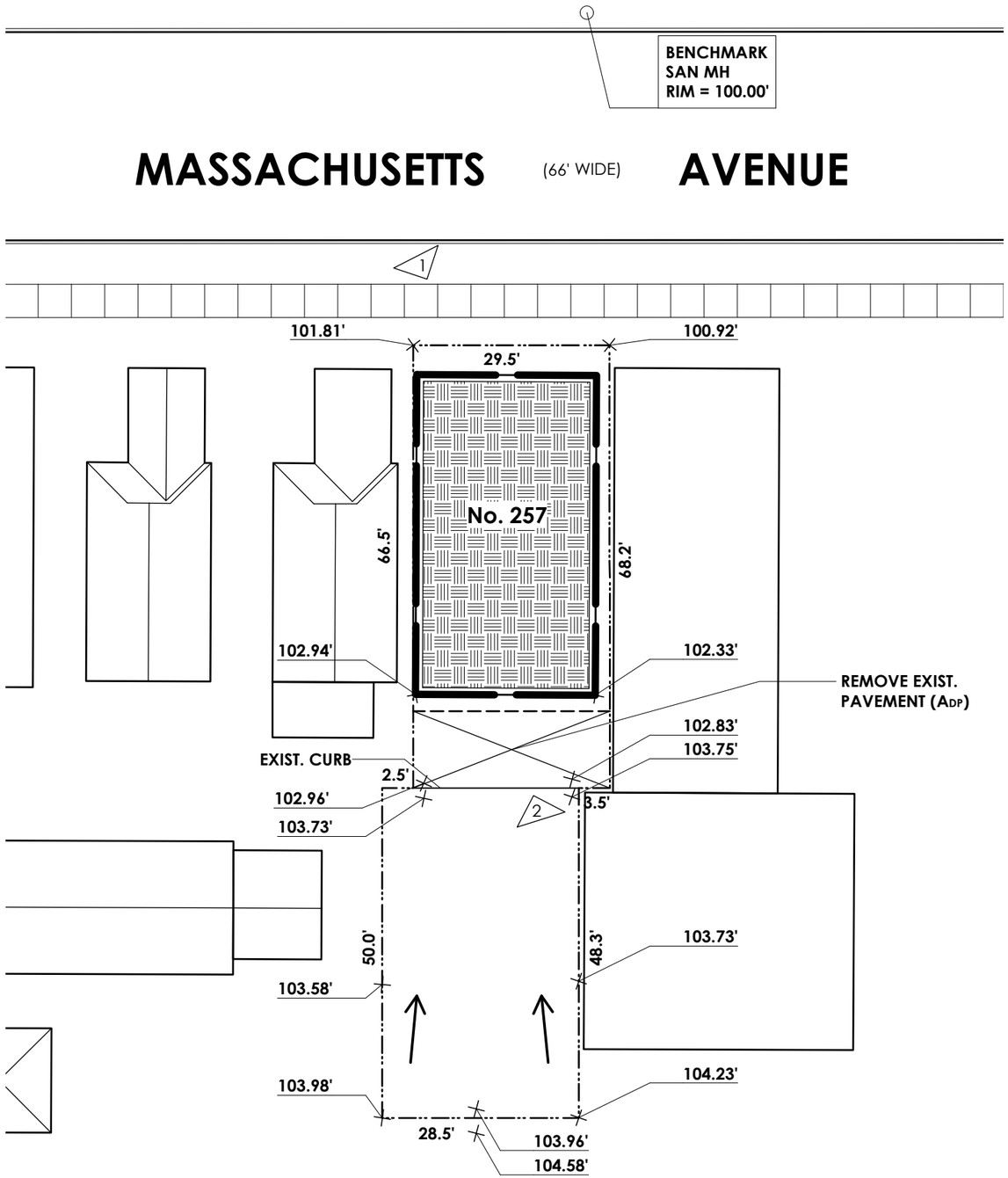
16 July 2012

PROPOSED PLAN

401 RHODE ISLAND

DWG. NO. **20**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: FEBRUARY 11, 2011
SHEET: 62119
NO.: 11-21

SITUATE IN
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

NO TEST HOLES

GREEN ROOF:

A_R = 1,150 sf
WQ_v = 82 cf
PONDING DEPTH = 0.5"
A_{GR} = 1,056 sf
D_{SM} = 2.0 in
D_{DL} = 1.0 in
V_S = 101 cf

DEPAVING:

A_{DP} = 339.6 sf

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Project # 1230

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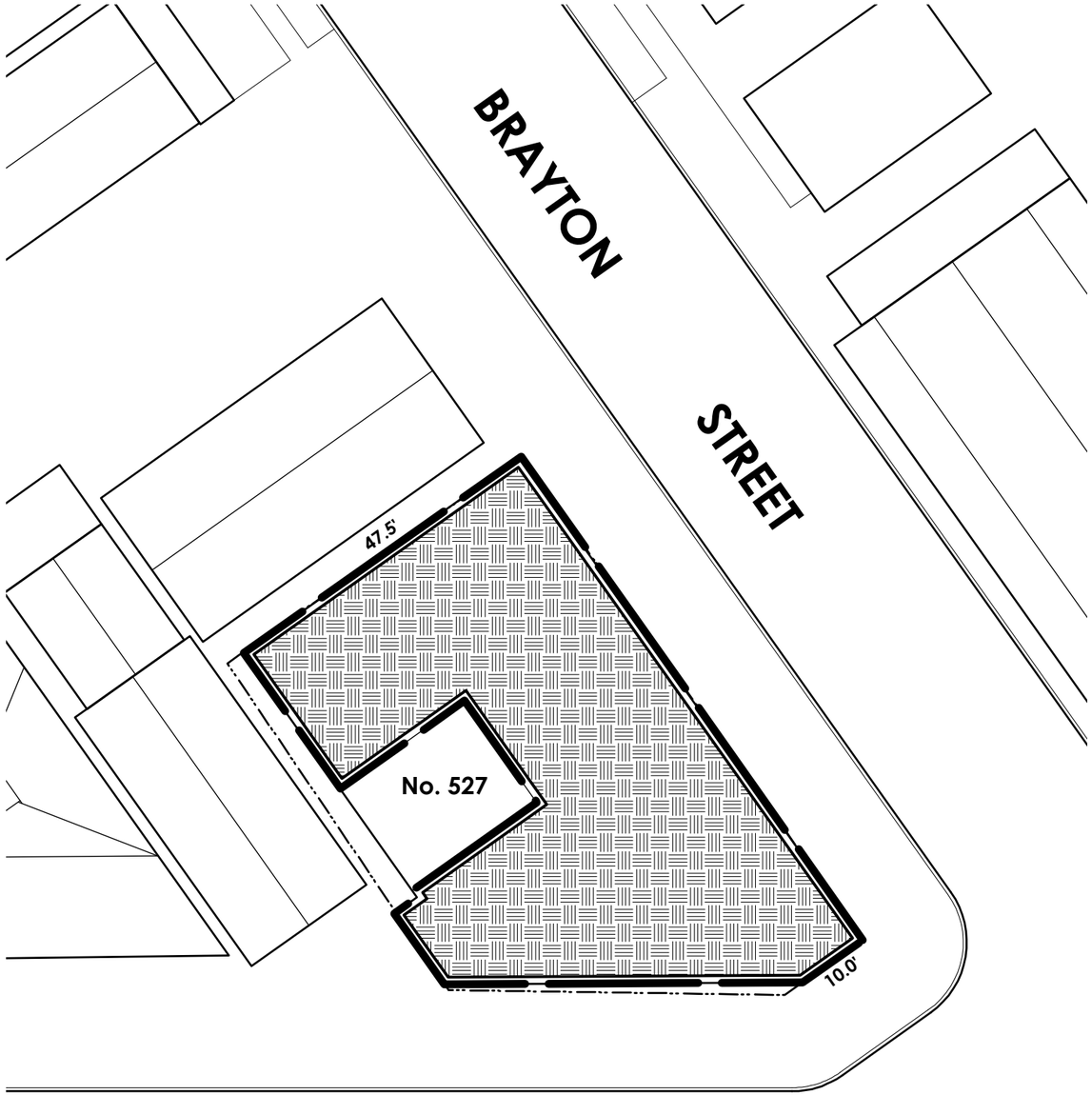
16 July 2012

PROPOSED PLAN

257 MASSACHUSETTS

DWG. NO.
21



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

NO TEST HOLES

GREEN ROOF:

A_R = 3,069.3 sf
WQ_v = 219 cf
PONDING DEPTH = 0.5"
A_{GR} = 2,780.4 sf
D_{SM} = 2.0 in
D_{DL} = 1.0 in
V_S = 266 cf

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DRAWN BY: jml

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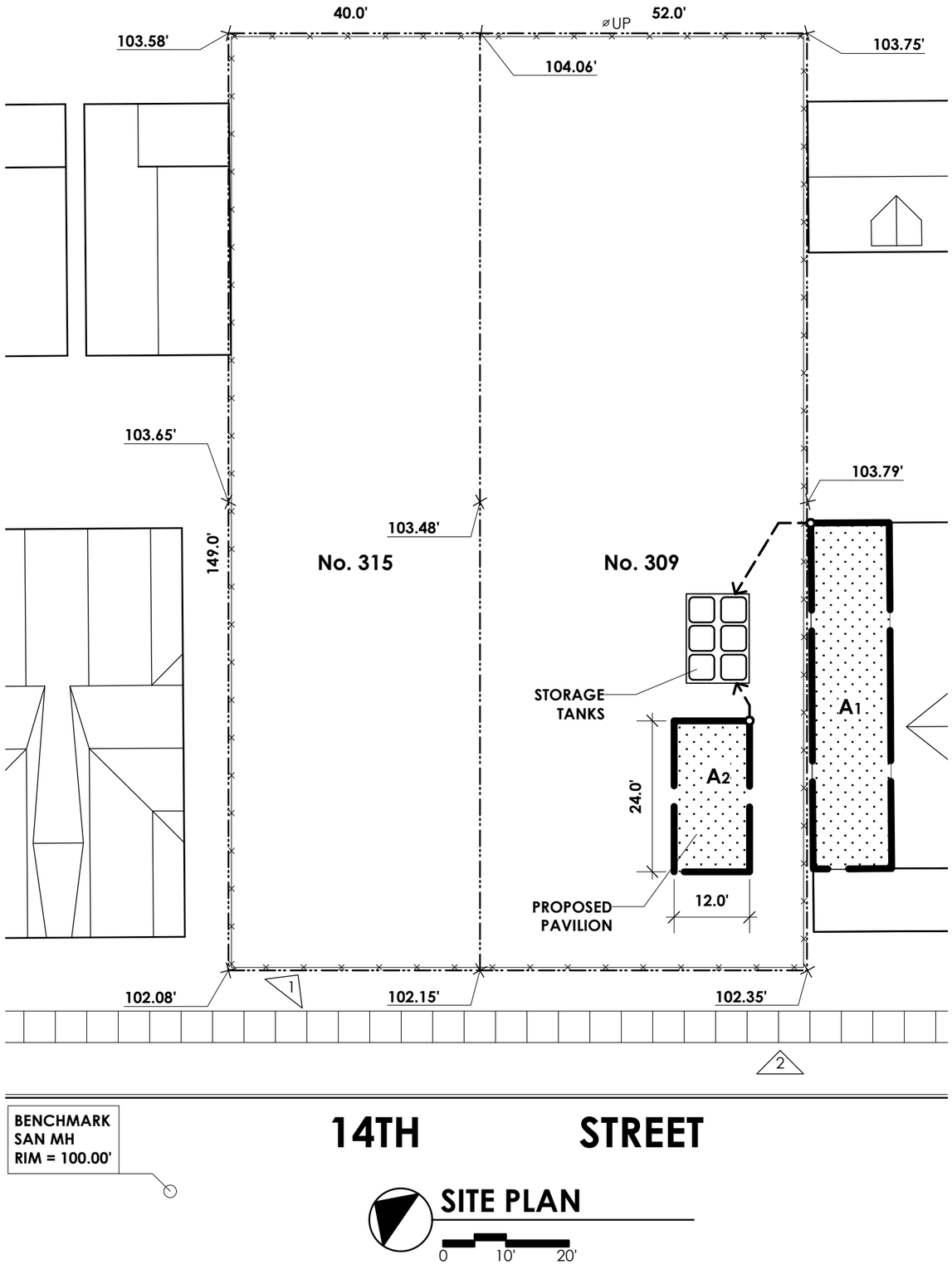
PROPOSED PLAN

527 WEST UTICA

DWG. NO. **22**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

NO TEST HOLES

CISTERN:

A_1 = 687.5 SF, A_2 = 288.0 SF
$A_I = A_1 + A_2$ = 975.5 SF
A_D = 975.5 SF
$I = A_I/A_D$ = 100%
WQ_V = 70 CF

V_R = 525 gal
V_S = 1,000 gal (min)

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Project # 1230

DRAWN BY: jml

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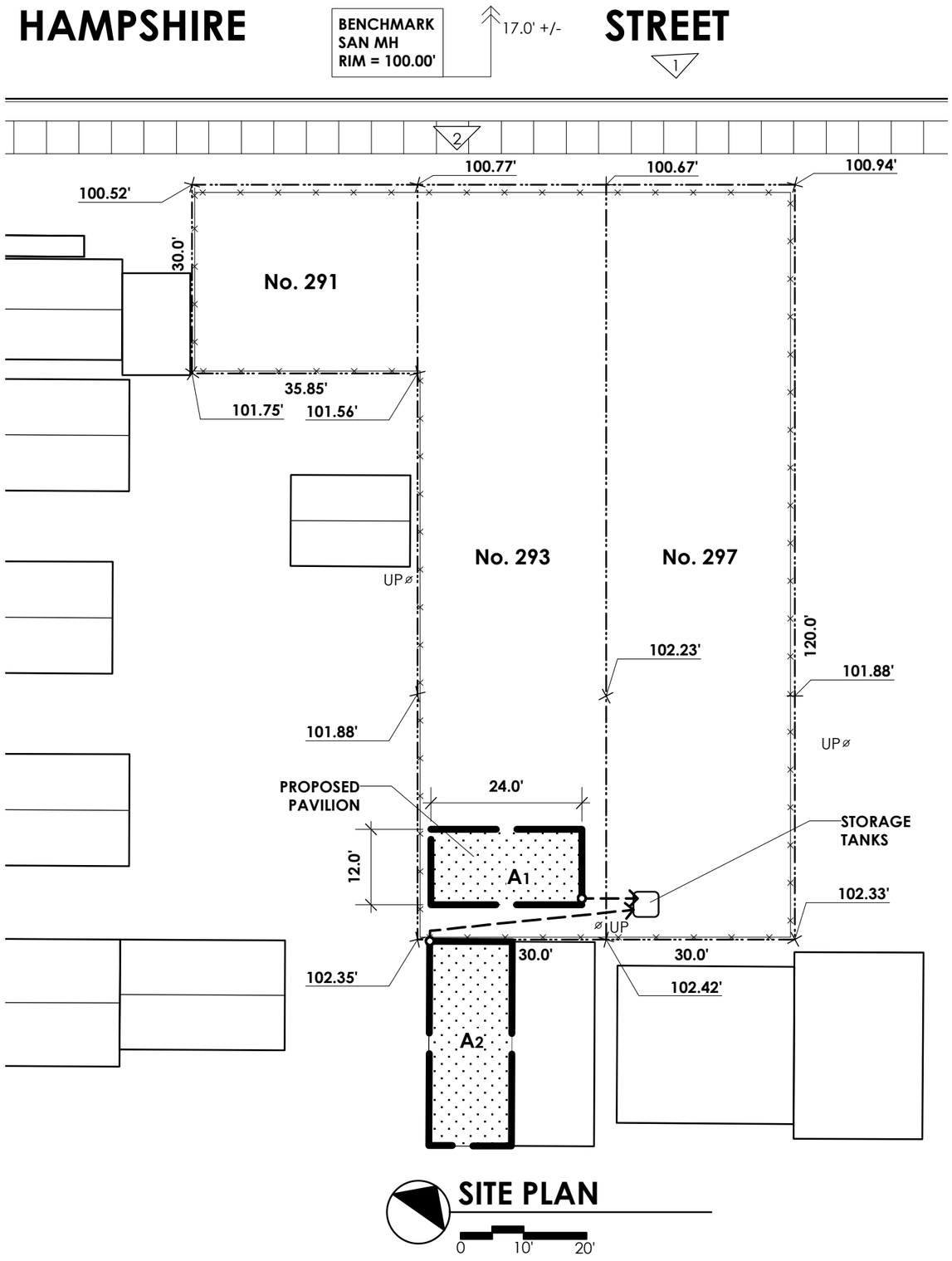
PROPOSED PLAN

309, 315 14TH

DWG. NO. **23**



LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: APRIL 15 & 22, 2010
SHEET: 21453, 68773
NO.: 10-135, 10-141

PART OF BLOCK 193
SITUATE IN
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

NO TEST HOLES

CISTERN:

A_1 = 288.0 sf, A_2 = 426.5 sf
$A_I = A_1 + A_2$ = 714.5 sf
A_D = 714.5 sf
$I = A_I/A_D$ = 100%
WQ_V = 51 cf

V_R = 382.5 gal
V_S = 1,000 gal (min)

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Project # 1230

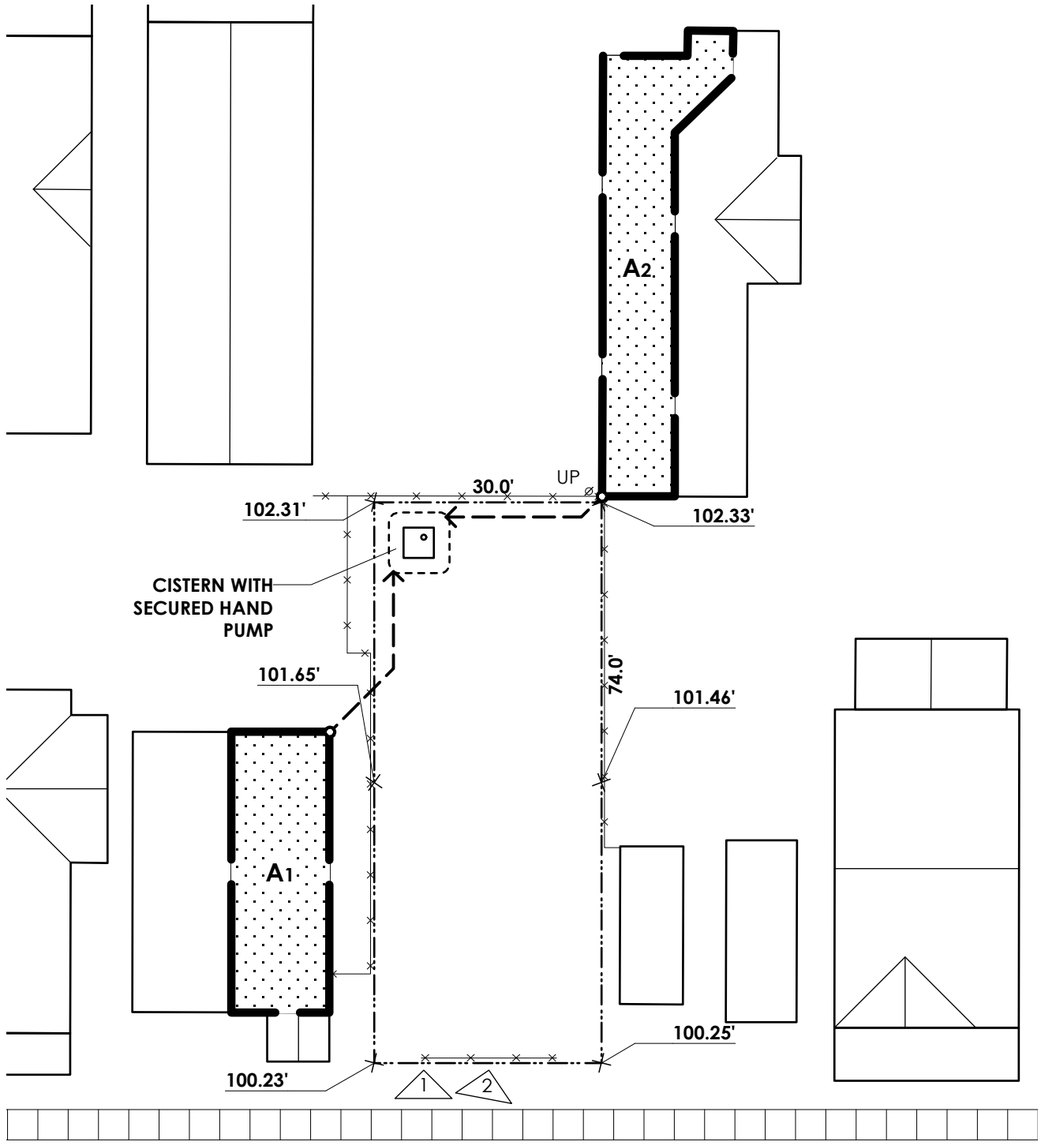
DRAWN BY: jml

16 July 2012

PROPOSED PLAN

291, 293, 297 HAMPSHIRE

DWG. NO. **24**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

PER CITY OF BUFFALO
ON-LINE MAPPING
PARCEL VIEWER

SOILS:

NO TEST HOLES

CISTERN:

A_1 = 478.2 sf, A_2 = 622.7 sf
$A_I = A_1 + A_2$ = 1,100.9 sf
A_D = 1,100.9 SF
$I = A_I/A_D$ = 100%
WQ_V = 78.4 CF

V_R = 78.4(7.5) = 588 gal
V_S = 1,000 gal (min)

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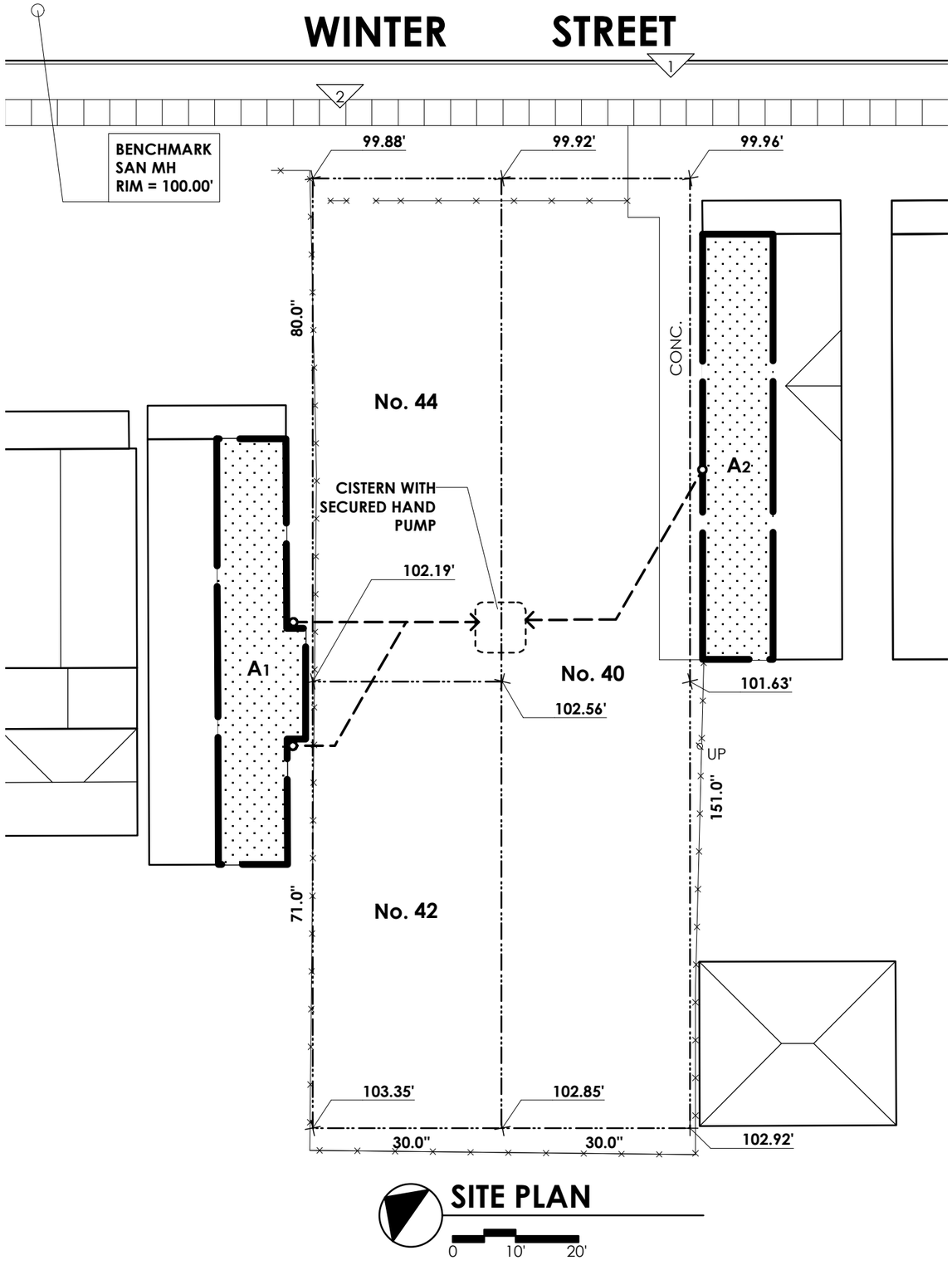
PROPOSED PLAN

43
WINTER

DWG. NO.
25



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: APRIL 16, 2010,
OCTOBER 25, 2010
SHEET: 27103, 68904
NO.: 10-138, 10-398, 10-399

SUBLOT 44, 45 , EASTERLY 80.0' OF SUBLOT 45
MAP COVER 136
PART OF BLOCK 191
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

NO TEST HOLES

CISTERN:

A_1 = 796.6 sf, A_2 = 758.4 sf
$A_T = A_1 + A_2$ = 1,555.0 sf
A_D = 1,555.0 sf
$I = A_I/A_D$ = 100%
WQ_V = 111 CF

V_R = 111(7.5) = 832.5 gal
V_S = 2,000 gal (min)

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Project # 1230

DRAWN BY: jml

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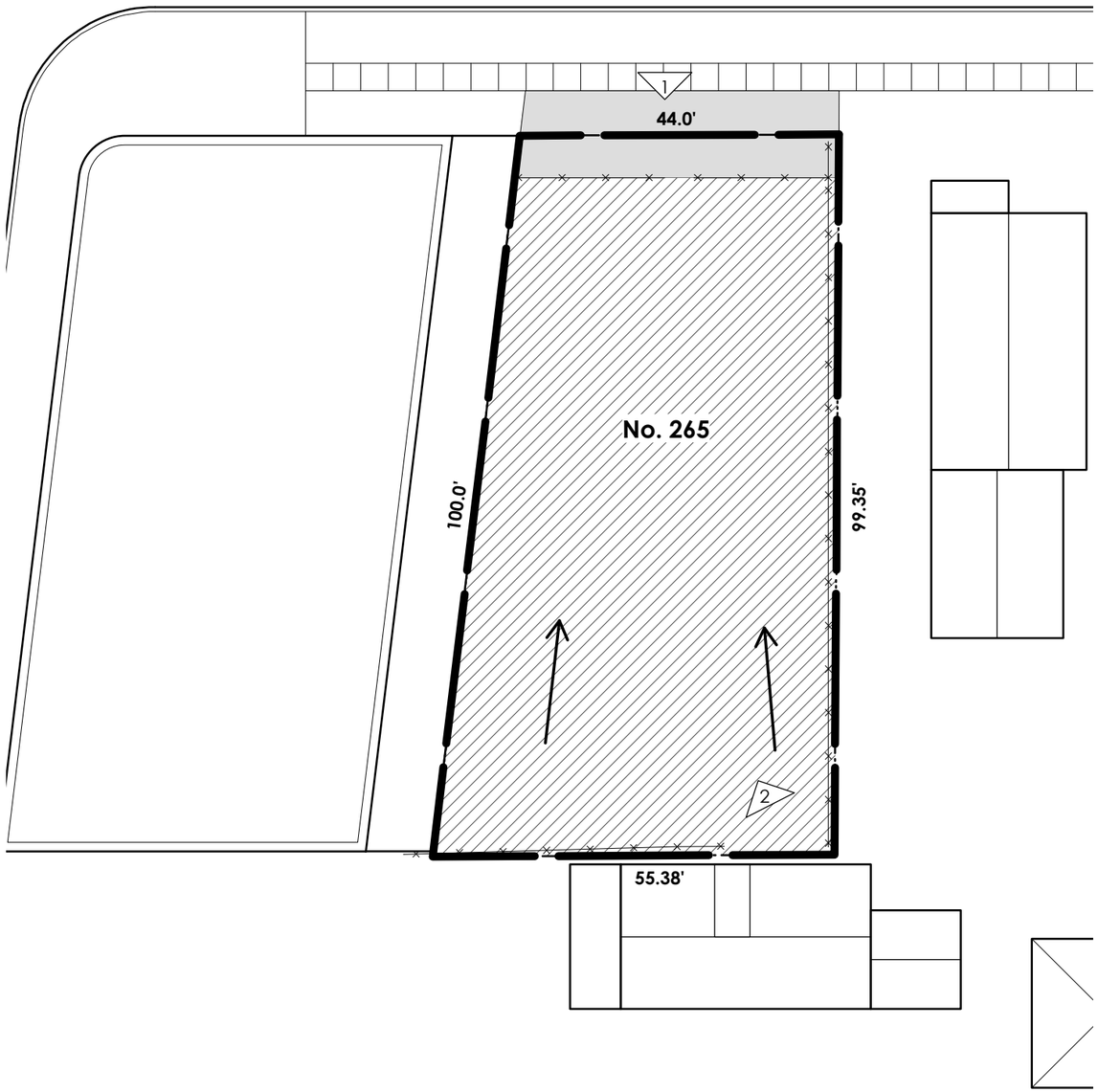
PROPOSED PLAN

40, 42, 44 WINTER

DWG. NO. **26**



SITE PLAN

0 10' 20'

LEGEND

- DRAINAGE AREA
- HAND AUGER (TEST HOLE)
- POROUS PAVEMENT
- IMPERVIOUS SURFACE
- RAIN GARDEN
- PERVIOUS SURFACE
- GREEN ROOF
- FLOW LINES
- DOWNSPOUT CONNECTION
- FENCE
- PHOTO NUMBER

PROPERTY INFO:

RAY L. SONNENBERGER
LAND SURVEYOR
N.Y.S. LIC. NO. 036193
60 NIAGARA STREET
BUFFALO, NEW YORK 14202

DATE: APRIL 13, 2010
SHEET: 68667
NO.: 10-126

PART OF LOT 120
OF THE STEVENS SURVEY
CITY OF BUFFALO
ERIE COUNTY, NEW YORK

SOILS:

NO TEST HOLES

POROUS PAVEMENT:

WQ_v = 333 cf

n = 0.4
d_t = 8" = 0.667'

STORAGE VOLUME:
V_s = 1,253 cf

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Project # 1230

DRAWN BY: jml

16 July 2012

PROPOSED PLAN

265 WEST DELEVAN

DWG. NO.

27

EARTH DIMENSIONS, INC.
Soil and Hydrogeologic Investigations • Wetland Delineations
1091 Jamison Road • Elma, NY 14059
(716) 655-1717 • FAX (716) 655-2915

17F12 HOLE NO. Hand Auger 1-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 133 Chenango St., 6.8' from 135 Chenango St., 6.2' towards road from fence

City of Buffalo, Erie Co., NY

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist mixed brown (70%) and dark brown (30%) gravel, (SANDY-SILT) fill with 15 to 40% gravel, little sand, loose, massive soil structure, (ML). 0.3	Coarse silty soil fill with little to some gravel, little silt to 0.3 feet over coarse silty soil fill with little to some gravel, concrete and brick debris to end of boring.
								Slightly moist brown gravelly (SANDY-SILT) fill with 15 to 40% gravel, broken orange brick and gray concrete debris, little sand, compact, massive soil structure, (ML). 1.5	No visual evidence of chemical contamination. Need to excavate fill and replace with suitable topsoil.
								Hand auger boring completed at 1.5 feet.	No water at completion.
									Hydrologic Soil Group C
5									
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

EARTH DIMENSIONS, INC.
Soil and Hydrogeologic Investigations • Wetland Delineations
1091 Jamison Road • Elma, NY 14059
(716) 655-1717 • FAX (716) 655-2915

17F12 HOLE NO. Hand Auger 2-12 SURF. ELEVATION —

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 495 W. Ferry St. 10.0' from fence.
City of Buffalo, Erie Co., NY 7.0' from southwest corner of house

CLIENT ecologic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist dark brown (CLAYEY-SILT) topsoil fill with little organic matter and clay, stiff, massive soil structure, (ML-CL).	Silty topsoil fill with little organic matter and clay to 0.9 feet over silty glacial till to end of boring.
								0.9	
								Moist brown gravelly (CLAYEY-SILT) with 15 to 30% mostly subangular gravel, little clay, hard with nearly vertical gray desiccation cracks, (ML-CL).	Note: OK for flowers but not for vegetables or fruit due to potential lead contamination.
5								1.3	No water at completion.
								Hand auger boring completed at 1.3 feet.	Hydrologic Soil Group C
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

EARTH DIMENSIONS, INC.
Soil and Hydrogeologic Investigations • Wetland Delineations
1091 Jamison Road • Elma, NY 14059
(716) 655-1717 • FAX (716) 655-2915

17F12 HOLE NO. Hand Auger 3-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 456 Massachusetts Avenue
City of Buffalo, Erie Co., NY

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT	BLOWS ON SAMPLER SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist dark brown (SANDY-SILT) topsoil fill with little organc matter and sand, loose, massive soil structure, (ML). 0.3	Coarse silty topsoil fill with little organic matter and sand to 0.9 feet over sand and gravel (mostly crushed stone) fill to end of boring.
5								Slightly moist gray very gravelly (SAND) fill with 50 to 70% mostly angular gravel, very fine to very coarse size sand, compact, loose when disturbed, single grain, (SW), (GW). 0.9	Note: Need to add topsoil for gardening after excavating some of the sand and gravel fill, keeping the garden is at existing ground surface.
10								Hand auger boring completed at 0.9 feet.	No water at completion.
15									Hydrologic Soil Group C
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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(716) 655-1717 • FAX (716) 655-2915

17F12 HOLE NO. Hand Auger 4-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 92 19th Street
City of Buffalo, Erie Co., NY

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT	BLOWS ON SAMPLER SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist dark brown (SAND-SILT-CLAY) topsoil fill with 10 to 15% gravel, little organic matter, sand and clay, firm, massive soil structure, (ML-CL). 0.2	Silty topsoil fill with little organic matter, gravel, sand and clay to 0.2 feet over silty soil fill with little to some gravel, little sand and clay to 0.8 feet over miscellaneous debris to refusal.
								Slightly moist brown gravelly (SAND-SILT-CLAY) fill with 15 to 40% gravel, little sand and clay, hard, massive soil structure, (SC). 0.8	Excavated 1.5 feet along walkway adjacent to 94 19th Street and replace with topsoil.
5								Mixed colors miscellaneous metal and plastic debris. 0.95	No water at completion.
								Hand auger refusal at 0.95 feet.	Hydrologic Soil Group C
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 5-12 SURF. ELEVATION —

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 37 19th St., 29.0' from back fence,
City of Buffalo, Erie Co., NY 16.9' from 33 19th St.

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT | BLOWS ON SAMPLER

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
							Slightly moist grayish brown gravelly (SAND-SILT-CLAY) fill with 15 to 40% gravel, concrete debris and occasional glass fragment, little sand and clay, hard, massive soil structure, (SC). 0.8 Hand auger refusal at 0.8 feet.	Silty soil fill with little to some gravel and concrete debris with little sand and clay to refusal. Excavate and replace with topsoil. No water at completion. Hydrologic Soil Group C

5
10
15
20

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 6-12 SURF. ELEVATION —

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 16 19th St., 13.8' into lot front,
City of Buffalo, Erie Co., NY 33.8' from corner of 14 19th St.

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist grayish brown gravelly (SAND-SILT-CLAY) fill with 15 to 40% gravel and asphalt render, little sand and clay, hard, massive structure, (SC).	Silty soil fill with little to some gravel and asphalt debris, little sand and clay to refusal.
								0.8	Excavate and replace with topsoil.
								Hand auger refusal at 0.8 feet.	No water at completion.
									Hydrologic Soil Group C
5									
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 7-12 SURF. ELEVATION —

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 123 18th St.
City of Buffalo, Erie Co., NY

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT	BLOWS ON SAMPLER SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist dark brown (CLAYEY-SILT) topsoil fill with little organic matter and clay, stiff, massive soil structure, (ML-CL). 0.9	Silty topsoil fill with little organic matter and clay to 0.9 feet over clayey lake sediment to end of boring.
								Moist distinctly mottled brown (CLAYEY-SILT) with some clay, very stiff with nearly vertical gray desiccation cracks, (CL). 1.5	Add topsoil to flatten ground surface.
5								Hand auger boring completed at 1.5 feet.	Note: subsoil is cohesive clays.
									No water at completion.
									Hydrologic Soil Group D
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 9-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 102 18th St., 11.0' from 100 18th St.,
City of Buffalo, Erie Co., NY 11.0' from back corner of 100 18th St. home

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT | BLOWS ON SAMPLER | SN | 0/6 | 6/12 | 12/18 | 18/24 | N | LITH | DESCRIPTION AND CLASSIFICATION | WATER TABLE AND REMARKS

Moist grayish brown gravelly (SAND-SILT-CLAY) fill with 15 to 40% mostly subangular gravel, little sand and clay, firm, massive soil structure, (SC).

1.5

Hand auger refusal at 1.5 feet.

Silty soil fill with little to some gravel, little sand and clay to refusal.

No water at completion.

To increase infiltration, replace soil with more permeable soil with organics.

Hydrologic Soil Group C

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10
15
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N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 8-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 111 18th St.
City of Buffalo, Erie Co., NY

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/03/12 COMPLETED 07/03/12

DEPTH IN FT | BLOWS ON SAMPLER | SN | 0/6 | 6/12 | 12/18 | 18/24 | N | LITH | DESCRIPTION AND CLASSIFICATION | WATER TABLE AND REMARKS

Slightly moist dark brown (SANDY-SILT) topsoil fill with little organic matter and sand, loose, granular soil structure, (ML).

0.5

Mostly orange brick debris.

0.6

Hand auger refusal at 0.6 feet.

Coarse silty topsoil fill with little organic matter and sand to 0.5 feet over brick debris to refusal.

Excavate and replace with topsoil.

No water at completion.

Hydrologic Soil Group D

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N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 10-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation City of Buffalo, Erie Co., NY LOCATION 10 Winter St., 10.6' from northeast corner of 10 Winter St. towards sidewalk

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/10/12 COMPLETED 07/10/12

DEPTH IN FT | BLOWS ON SAMPLER

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
							Slightly moist dark gray gravelly (SAND-SILT-CLAY) topsoil fill with 15 to 40% gravel, trace coal fragments, little sand and clay, hard, massive soil structure, (SC). 1.5	Silty topsoil fill with little to some gravel, trace coal fragments, little sand and clay to 1.5 feet over clayey soil fill to 2.2 feet over silty soil fill with cinders, little sand and clay to 3.1 feet over silty soil fill with little sand and clay to end of boring.
							Moist reddish brown (CLAYEY-SILT) fill with some clay, very stiff, massive soil structure, (CL). 2.2	To increase infiltration, replace soil with more permeable soil with organics.
							Moist brownish gray (SAND-SILT-CLAY) fill with cinders, little sand and clay, stiff, massive soil structure, (SC). 3.1	No water at completion.
							Moist brown (SAND-SILT-CLAY) fill with little sand and clay, stiff, massive soil structure, (SC). 3.3	Hydrologic Soil Group D
							Hand auger boring completed at 3.3 feet.	

5 10 15 20

N=NUMBER OF BLOWS TO DRIVE N/A SPOON N/A" WITH N/A lb. WT. FALLING N/A " PER BLOW

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17F12 HOLE NO. Hand Auger 11-12 SURF. ELEVATION —

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 405 Massachusetts Ave., 3.6' from porch,
City of Buffalo, Erie Co., NY 5.6' from northeast corner

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/10/12 COMPLETED 07/10/12

DEPTH IN FT	BLOWS ON SAMPLER SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Moist dark brown (CLAYEY-SILT) topsoil fill with 15 to 30% gravel and concrete debris, little clay, stiff, massive soil structure, (ML-CL). 1.1	Silty topsoil fill with little to some gravel and concrete debris, little clay to 1.1 feet over clayey soil fill with trace gravel to 1.5 feet over clayey soil fill to end of boring.
								Moist mixed dark brown and brown (CLAYEY-SILT) fill with 5 to 10% gravel, some clay, very stiff, massive soil structure, (CL). 1.5	Must replace soil for increasing water infiltration.
5								Moist reddish brown (SILTY-CLAY) fill, very stiff, massive soil structure, (CL). 2.0	No water at completion.
								Hand auger boring completed at 2.0 feet.	Hydrologic Soil Group D
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 12-12 SURF. ELEVATION —

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 393 Massachusetts Ave., 7.4' from porch, 8.0' from northeast corner

City of Buffalo, Erie Co., NY

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/10/12 COMPLETED 07/10/12

DEPTH IN FT	BLOWS ON SAMPLER SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist dark brown gravelly (CLAYEY-SILT) topsoil fill with 15 to 40% gravel and concrete debris, little organic matter and clay, stiff, massive soil structure, (ML-CL). 0.5	Silty topsoil fill with little to some gravel and concrete debris, little organic matter and clay to 0.5 feet over silty soil fill with little clay to 1.3 feet over clayey soil fill to end of boring.
								Slightly moist brown (CLAYEY-SILT) fill with little clay, stiff, massive soil structure, (ML-CL). 1.3	Must replace soil for increasing water infiltration.
5								Moist brown (SILTY-CLAY) fill, hard, massive soil structure, (CL). 1.6	No water at completion.
								Hand auger boring completed at 1.6 feet.	Hydrologic Soil Group D
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 13-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 41 Lawrence Pl., 16.0' off fence line of 39 Lawrence, 11.6' from northwest cnr of 39 Lawrence

City of Buffalo, Erie Co., NY

CLIENT eco logic STUDIO Architecture & Engineering PLLC DATE STARTED 07/10/12 COMPLETED 07/10/12

DEPTH IN FT	BLOWS ON SAMPLER SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist brown (CLAYEY-SILT) fill with 15 to 40% gravel, orange bricks, gray concrete debris, little clay, trace sand, hard, massive soil structure, (ML-CL). 1.5	Silty soil fill with little to some gravel, broken brick and concrete debris to 1.8 feet over clayey soil fill to end of boring.
								Moist faintly mottled reddish brown (CLAYEY-SILT) fill with some clay, hard, massive soil structure, (CL). 1.8	Must replace soil for increasing water infiltration.
5								Hand auger boring completed at 1.8 feet.	No water at completion.
									Hydrologic Soil Group D
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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(716) 655-1717 • FAX (716) 655-2915

17F12 HOLE NO. Hand Auger 14-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 608 West Utica St., 13.0'off fence of W. Utica, 35.6' from fence along 15th St.
City of Buffalo, Erie Co., NY

CLIENT ecologic STUDIO Architecture & Engineering PLLC DATE STARTED 07/10/12 COMPLETED 07/10/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist dark brown (CLAYEY-SILT) topsoil fill with little organic matter and clay, firm, granular soil structure, (ML-CL). 0.6	Silty topsoil fill with little organic matter and clay to 0.6 feet over clayey soil fill to 1.5 feet over clayey lake sediment to end of boring.
								Slightly moist brown (SILTY-CLAY) fill, stiff, massive soil structure, (CL). 1.5	Must replace soil for increasing water infiltration.
5								Moist reddish brown (SILTY-CLAY), hard with nearly vertical gray desiccation cracks, (CL). 2.5	No water at completion.
								Hand auger boring completed at 2.5 feet.	Hydrologic Soil Group D
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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(716) 655-1717 • FAX (716) 655-2915

17F12 HOLE NO. Hand Auger 15-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 15.3' from west of 564 W. Utica St.,
City of Buffalo, Erie Co., NY 16.6' from outside fence

CLIENT ecologic STUDIO Architecture & Engineering PLLC DATE STARTED 07/10/12 COMPLETED 07/10/12

DEPTH IN FT	SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist dark brown gravelly (SAND-SILT-CLAY) fill with 15 to 40% gravel, little organic matter, sand and clay, firm, massive soil structure, (SC). 0.5	Silty soil fill with little to some gravel, little sand and clay to 0.5 feet over mixed and in layers silty soil fill with little to some gravel, little silt and clay, and clayey soil fill to refusal.
								Slightly mixed and in layers 0.3 to 0.5 feet grayish brown gravelly (SAND-SILT-CLAY) fill with 15 to 40% gravel and reddish brown (SILTY-CLAY), massive soil structure, (SC) and (CL). 1.3	Must replace soil for increasing water infiltration.
5								Hand auger refusal at 1.3 feet.	No water at completion.
									Hydrologic Soil Group D
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A " SPOON N/A " WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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17F12 HOLE NO. Hand Auger 16-12 SURF. ELEVATION _

PROJECT Soil investigation for "Rain Gardens" creation LOCATION 401 Rhode Island
City of Buffalo, Erie Co., NY

CLIENT ecologic STUDIO Architecture & Engineering PLLC DATE STARTED 07/10/12 COMPLETED 07/10/12

DEPTH IN FT	SN	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
								Slightly moist dark brown (CLAYEY-SILT) topsoil fill with little organic matter and clay, stiff, granular soil structure, (ML-CL). 0.5	Silty topsoil fill with little organic matter and clay to 0.5 feet over clayey soil fill to 1.5 feet over clayey lake sediment to end of boring.
								Slightly moist reddish brown (SILTY-CLAY) fill, hard, massive soil structure, (CL). 1.5	Must replace soil for increasing water infiltration.
5								Slightly moist reddish brown (SILTY-CLAY), very stiff with nearly vertical gray desiccation cracks, (CL). 2.8	No water at completion.
								Hand auger boring completed at 2.8 feet.	Hydrologic Soil Group D
10									
15									
20									

N=NUMBER OF BLOWS TO DRIVE N/A SPOON N/A" WITH N/A lb. WT. FALLING N/A " PER BLOW

LOGGED BY Donald W. Owens, Senior Soil Scientist, (mw) SHEET 1 OF 1

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Appendix 7-4: Carlton Project Details (GI Related Components Only)

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TVGA CONSULTANTS

CALCULATION SHEET
SHEET NO._____OF_____

JOB TITLE	Fruit Belt Redevelopment		
JOB NO.	2010.0374.00		
CALCULATED BY	GMW	DATE	7/30/2013
CHECKED BY		DATE	

WATER QUALITY VOLUME CALCULATION

Item Sheet No. 1 of 1

Calculations performed in accordance with New York State Stormwater Management Design Manual, August 2010. Section 4.2

Data:

Drainage Area, A	5.90	acre	
Rainfall, P =	0.85	in.	Refer to Figure 4.1
Impervious %, I	36.00	%	

WQv = ((P) * (Rv) * (A)) / 12 NYS Stormwater Management Design Manual, pg. 4-2

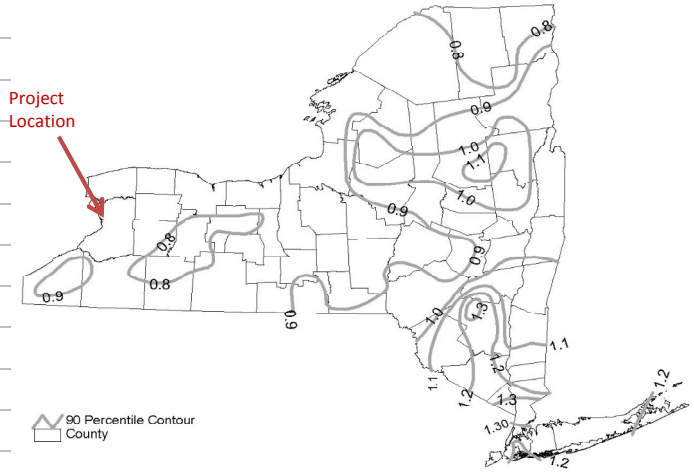
WQv = water quality volum (in acre-feet)

P = 90% Rainfall Event Number (see figure 4.1)

Rv = runoff volume = 0.05 + 0.009 (I), where I is percent impervious cover **Rv =** **0.37**

A = site area in acres (Contributing area)

Figure 4.1 90% Rainfall in New York State (NYSDEC, 2000) NYS Stormwater Management Design Manual, pg 4-2



WQv = 0.156 acre-feet

WQv	**=**	**6808**	**CF**
10% WQv	**=**	**681**	**CF**
25% WQv	**=**	**1702**	**CF**
50% WQv	**=**	**3404**	**CF**
75% WQv	**=**	**5106**	**CF**

TVGA CONSULTANTS

CALCULATION SHEET
SHEET NO._____OF_____

JOB TITLE	Fruit Belt Redevelopment		
JOB NO.	2010.0374.00		
CALCULATED BY	GMW	DATE	7/30/2013
CHECKED BY		DATE	

POROUS PAVEMENT SIZING CALCULATION

UNIT: ( )

Item Sheet No. **1** of

Calculation performed in accordance with New York State Stormwater Management Design Manual, August 2010. Section 5.3.11

A_p = Required Porous Surface = V_W / (n x d_t) NYS Stormwater Management Design Manual, pg. 5-122

V_W = design volume = WQ_V =	6808	CF	
n = porosity of gravel bed / reservoir =	0.40		
d_t = depth of gravel bed / reservoir =	1.74	FT	* average depth based on plan detail

A_p = Required Porous Surface =	9782	SF

CARLTON STREET
RECONSTRUCTION
CITY OF BUFFALO, NEW YORK
DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS

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2	EQ-1	ESTIMATE OF QUANTITIES	--
3	L-1	LEGEND AND ABBREVIATIONS	--
4	GN-1	GERNERAL NOTES	--
5	TS-1	TOPOGRAPHIC SURVEY	STA. CN10+00 TO STA.CN14+00
6	TS-2	TOPOGRAPHIC SURVEY	STA. CN14+00 TO STA. CN19+50
7	TS-3	TOPOGRAPHIC SURVEY	STA. CN19+50 TO STA. CN25+00
8	TS-4	TOPOGRAPHIC SURVEY	STA. CN25+00 TO STA. CN30+50
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12	T-1	TYPICAL SECTIONS	--
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17	MD-1	MISCELLANEOUS DETAILS I	--
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26 TO 36	MPT-6 TO MPT-16	NYSDOT M & PT NOTES AND DETAILS	--
37	PP-1	PLAN AND PROFILE	STA. CN10+00 TO STA.CN14+00
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57	SR-3	SIGN REMOVAL PLAN	--
58	SR-4	SIGN REMOVAL PLAN	--
59	SR-5	SIGN REMOVAL PLAN	--
60	SD-1	SIGN TEXT DATA TABLE	--
61	SD-2	SIGN TEXT DATA TABLE	--
62	SD-3	SIGN DETAILS	--
63	SD-4	SIGN DETAILS	--
64	SD-5	SIGN DETAILS	--
65	SD-6	SIGN DETAILS	--
66	SPM-1	SIGN & PAVEMENT MARKING PLAN	STA. CN10+00 TO STA. CN14+00
67	SPM-2	SIGN & PAVEMENT MARKING PLAN	STA. CN14+00 TO STA. CN19+50
68	SPM-3	SIGN & PAVEMENT MARKING PLAN	STA. CN19+50 TO STA. CN25+00
69	SPM-4	SIGN & PAVEMENT MARKING PLAN	STA. CN25+00 TO STA. CN30+50
70	SPM-5	SIGN & PAVEMENT MARKING PLAN	STA. CN30+50 TO STA. CN36+00
71	LL-1	LANDSCAPE AND LIGHTING PLAN	--
72	LL-2	LANDSCAPE AND LIGHTING PLAN	--
73	LL-3	LANDSCAPE AND LIGHTING PLAN	--
74	LL-4	LIGHTING DETAILS	--
75	LL-5	LIGHTING DETAILS	--
76	LL-6	LANDSCAPE DETAILS	--
77	LL-7	LANDSCAPE DETAILS	--

CONTRACT PLANS FOR:
PAVEMENT RECONSTRUCTION
CURB REPLACEMENT
WATER LINE RELOCATION
LIGHTING REPLACEMENT

NYSDOT P.I.N. 5759.40

PROJECT LOCATION MAP

N.Y.S.D.O.T. STANDARD SHEETS:

209-03, 402-01, 608-01, 608-03, 608-04, 608-05, 608-06, 609-01, 609-02, 609-03, 611-01, 619-02, 619-04, 619-10, 619-11, 619-12, 619-20, 619-21, 619-50, 619-51, 619-60, 619-61, 663-01, 663-02, 663-03, 663-04, 663-05, 663-07,

PS&E SUBMISSION
DATE 12/2012

WARNING: IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THESE PLANS IN ANY WAY. IF ALTERATIONS TO THESE PLANS ARE REQUIRED, THE ALTERATIONS SHALL BE MADE IN ACCORDANCE WITH ARTICLE 145 – SUBSECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

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PREPARED BY:
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NYS P.E. LIC. NO. 066247

APPROVED BY:
CITY OF BUFFALO
CITY ENGINEER

PETER J. MERLO, P.E. DATE
NYS P.E. LIC. NO. 077924

BYRON W. BROWN
MAYOR

STEVEN STEPNIAK

COMMISSIONER OF PUBLIC WORKS DATE

File: N:\2010 Projects\2010.0374.00 Fruit Belt Redevelopment\Engineering\CADD - Carlton Street\Sheets\CS-1.dwg, Last saved: 12/14/2012, Plot Date: 12/14/2012, By: BOYLE, TERRENCE J., Plot Style: HALF-BLACK.CTB

GENERAL NOTES:

1. DESIGN SPECIFICATIONS: NYSDOT HIGHWAY DESIGN MANUAL, INCLUDING ALL PROVISIONS IN EFFECT AS OF MAY 2012.
2. CONSTRUCTION AND MATERIAL SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NYSDOT OFFICE OF ENGINEERING, DATED MAY 1, 2008, WITH CURRENT ADDITIONS AND REVISIONS.
3. WHERE STATE SPECIFICATIONS MENTION REGIONAL DIRECTOR, REGIONAL ENGINEER OR REGIONAL MATERIALS ENGINEER, THIS SHALL REFER TO THE CITY OF BUFFALO DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS (D.P.W.). WHERE THE SPECIFICATIONS MENTION NEW YORK STATE OR STATE, THIS SHALL REFER TO THE D.P.W.
4. ADDITIONAL NOTES WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS. THESE NOTES PERTAIN TO THE SPECIFIC DRAWINGS WHERE THEY ARE SHOWN AND ALSO SUPPLEMENT THE GENERAL NOTES LISTED HERE.
5. THE CONTRACT PLANS WERE PREPARED BASED ON FIELD SURVEYING AND OTHER AVAILABLE INFORMATION. ACTUAL FIELD CONDITIONS MAY DIFFER FROM THE CONTRACT PLANS AND MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS AND WORK QUANTITIES SHOWN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE ACTUAL FIELD CONDITIONS AND A.O.B.E.
6. THERE SHALL BE NO CLAIM AGAINST THE CITY OF BUFFALO MADE BY THE CONTRACTOR, FOR WORK PERTAINING TO MODIFICATIONS AS MAY BE REQUIRED DUE TO DIFFERENCE BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN IN THE CONTRACT PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY FIELD CONDITIONS PRIOR TO BID.
7. THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL ENSURE, AS FAR AS PRACTICAL, THE LEAST OBSTRUCTION TO TRAFFIC AND ADJACENT PROPERTY, AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC ALONG AND ADJACENT TO ROADWAYS IN THE CONSTRUCTION AREA, IN AN ADEQUATE AND SATISFACTORY MANNER.
8. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH ADEQUATE ACCESS TO ALL WORK AREAS. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR ARE THE PROPERTY OF THE CITY OF BUFFALO OR ANY OTHER AGENCY WILL NOT BE DAMAGED. ANY DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT NO EXPENSE TO THE CITY OF BUFFALO.
9. AREAS BEYOND THE WORK LIMITS DISTURBED FOR ANY REASON BY THE CONTRACTOR OR HIS EMPLOYEES SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER AND THE OWNER AT THE CONTRACTOR'S EXPENSE.
10. ALL SALVAGED MATERIALS SHALL BE STORED BY THE CONTRACTOR AT A SITE APPROVED BY THE ENGINEER. IF THE SALVAGED MATERIALS ARE NOT REMOVED FROM THE JOB SITE WITHIN THE SPECIFIED TIME THE MATERIALS WILL BECOME PROPERTY OF THE CONTRACTOR, WHO WILL BE RESPONSIBLE FOR THE DISPOSAL OF THE MATERIALS. THE COST OF STORAGE, REMOVAL, OR DISMANTLING OF ALL DESIGNATED SALVAGEABLE ITEMS SHALL BE INCLUDED IN THE CONTRACT ITEM.
11. ADDITIONAL WORK, NOT SHOWN OR NOTED ON THE PLANS, THAT IS COINCIDENTAL OF AND/OR PERTAINING TO THIS PROJECT, MAY BE REQUIRED AS THE CONTRACT PROGRESSES. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR A.O.B.E. PAYMENT SHALL BE MADE AT AN AGREED PRICE AS STIPULATED UNDER THE PROVISIONS OF THE CONTRACT.
12. THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC HEALTH AND SAFETY PLAN TO THE CITY OF BUFFALO DPW AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE SAFETY REQUIREMENTS OF THE CITY OF BUFFALO DPW AND ALL OTHER STATE AND LOCAL AGENCIES ASSOCIATED WITH THIS CONTRACT.
13. THE CONTRACTOR SHALL CONSTRUCT THE CONTRACT IN ACCORDANCE WITH THE CONTRACT PLANS, SPECIFICATIONS AND ALL OTHER RELATED DOCUMENTATION. HE SHALL PROGRESS THE WORK IN A PROFESSIONAL, WORKMANLIKE, AND TIMELY MANNER SO AS TO PRODUCE A FINISHED PRODUCT THAT IS OF HIGH QUALITY WORKMANSHIP, ON TIME, AND SATISFACTORY TO THE ENGINEER.
14. THE CONTRACTOR SHALL PERFORM TESTS AND PROVIDE TEST RESULTS FOR COMPACTION OF ALL BACKFILL MATERIAL AND PLACEMENT OF CONCRETE IN ACCORDANCE WITH THE NYSDOT STANDARD SPECIFICATIONS AND THE NYSDOT MATERIALS BUREAU.
15. THE CONTRACTOR SHALL SUBMIT INVOICES, RECEIPTS, TEST REPORTS, PERMITS, MATERIAL CERTIFICATIONS ETC. TO THE ENGINEER-IN-CHARGE FOR ALL MATERIALS DELIVERED TO THE PROJECT SITE AND INCORPORATED INTO THE WORK.
16. WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID OR THOSE ITEMS.
17. THE CONTRACTOR SHALL PROTECT HIS WORKERS AND THE PUBLIC AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.
18. CARE SHALL BE TAKEN TO RETAIN NATURAL GROWTH AND PREVENT DAMAGE TO TREES THAT ARE NOT SCHEDULED FOR REMOVAL, BOTH INSIDE AND OUTSIDE THE LIMITS OF CONSTRUCTION. ANY DAMAGE CAUSED TO THE NATURAL GROWTH SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR A.O.B.E.
19. GRASSED AREAS DISTURBED BY THE CONTRACTOR, AS PART OF WORK TO BE PERFORMED UNDER THIS CONTRACT, SHALL BE RESTORED AS SPECIFIED, TO THE SATISFACTION OF THE ENGINEER. ALL DISTURBED GRASS AREAS SHALL BE GRADED IN A MANNER APPROVED BY THE ENGINEER, TOPSOILED UNDER ITEM 610.1403-TOPSOIL-LAWNS, AND SEEDED UNDER ITEM 610.1602-TURF ESTABLISHMENT-LAWNS. DISTURBED AREAS BEYOND THE GRADING LIMITS SHOWN ON THE DRAWINGS SHALL BE RESTORED AS NOTED ABOVE AT NO ADDITIONAL COST TO THE CITY.
20. ANY SIGNS, MILE MARKERS, FENCING, DECORATIVE LANDSCAPING, ETC. REMOVED BY THE CONTRACTOR IN ORDER TO COMPLETE WORK ASSOCIATED WITH THE PROJECT, SHALL BE REPLACED BY THE CONTRACTOR. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS ITEMS.
21. R.O.W. LIMITS SHOWN ON THE PLANS WERE OBTAINED FROM TAX MAPS AND RECORD DRAWINGS, AND ARE SHOWN FOR REFERENCE PURPOSES ONLY. THESE LIMITS WERE NOT LOCATED BY FIELD SURVEY, AND AS SUCH THE ACCURACY OF THEIR LOCATIONS OR COMPLETENESS IS NOT CERTIFIED.
22. THE CONTRACTOR SHALL LOCATE ALL PERTINENT PROPERTY, EASEMENT AND/OR R.O.W. LINES PRIOR TO STARTING THE WORK. THE CONTRACTOR SHALL NOT TRESPASS OR START WORK ON OTHER PROPERTIES, EASEMENTS, OR R.O.W..
23. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD, AND PRESERVE ALL SURVEY CONTROL MONUMENTS, R.O.W. MONUMENTS, AND PROPERTY PINS WITHIN THE PROJECT AREA.
24. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE CITY OF BUFFALO DPW OF ANY HAZARDOUS SUBSTANCE ENCOUNTERED DURING THE CONSTRUCTION OF THE WORK. WHEN ENCOUNTERING OR WORKING WITH ANY SUCH HAZARDOUS SUBSTANCE, THE CONTRACTOR SHALL, AT HIS EXPENSE, CONFORM TO ALL LAWS, RULES, REGULATIONS AND DIRECTIONS AS PROMULGATED BY THE US DEPARTMENT OF LABOR, OSHA, THE NYS DEPARTMENT OF HEALTH AND ALL LOCAL AGENCIES.
25. ALL CONSTRUCTION IN LOCAL, COUNTY OR STATE R.O.W. SHALL CONFORM TO THE REQUIREMENTS, RULES AND SPECIFICATIONS OF THE CORRESPONDING AGENCY. ALL WORK PERMITS AND FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
26. THE CONTRACTOR SHALL KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS, AND RUBBISH AS IS PRACTICABLE. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY STRUCTURES, SURPLUS MATERIAL, TOOLS, EQUIPMENT, IMPLEMENTS, AND ALL OTHER MATERIALS CONNECTED WITH OR CAUSED BY THE WORK, IMMEDIATELY UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL LEAVE THE PREMISES IN AS GOOD A CONDITION AS WAS FOUND AT THE BEGINNING OF THE CONTRACT.
27. AT THE CLOSE OF DAILY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL PLATE ANY AND ALL OPEN EXCAVATIONS. THE PROPER SIGNAGE AND BARRICADES SHALL BE PLACED AS PER THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND AS DIRECTED BY THE ENGINEER.
28. FOR ADDITIONAL GENERAL NOTES, REFER TO THE SPECIAL INSTRUCTIONS SECTION OF THE PROPOSAL BOOK

MAINTENANCE JURISDICTION:

1. THE CITY OF BUFFALO SHALL BE RESPONSIBLE FOR MAINTENANCE OF THIS PROJECT AFTER THE COMPLETION OF CONSTRUCTION. THE FEATURES TO BE MAINTAINED INCLUDE: PAVEMENT, DRAINAGE SYSTEMS, WATERLINES, STRIPING, LIGHTING AND SNOW AND ICE CONTROL. THE LANDSCAPING WITHIN THE MEDIANS SHALL BE MAINTAINED AS NOTED ON DRAWINGS LL-1 AND LL-3.

EMERGENCY REPAIRS:

1. THE CONTRACTOR SHALL PROVIDE THE CITY OF BUFFALO POLICE IN WRITING, THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE PERSON OR PERSONS AUTHORIZED TO SECURE AND USE LABOR, MATERIAL AND EQUIPMENT FOR ANY EMERGENCY REPAIRS REQUIRED OUTSIDE NORMAL WORKING HOURS. DUPLICATE COPIES OF SUCH NOTICES SHALL BE FILED WITH THE RESIDENT ENGINEER AND THE CITY OF BUFFALO DPW.

UTILITY NOTES:

1. THE APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS. THE DEFINITIONS OF QUALITY LEVELS ARE:

   QUALITY LEVEL A - THE HIGHEST DEGREE OF ACCURACY: THE UTILITY INFORMATION ON THE CONTRACT PLANS HAS BEEN FIELD LOCATED AND VERIFIED BY EXCAVATION WHEN APPROPRIATE.

   QUALITY LEVEL B - SUBSURFACE GEOPHYSICAL LOCATING TECHNIQUES (I.E, UNDERGROUND CAMERAS, RADAR, SONAR, TONE OUTS, ETC.) AND EXISTING RECORD PLANS HAVE BEEN USED TO LOCATE UTILITIES, NO EXCAVATIONS WERE PERFORMED.

   QUALITY LEVEL C - RECORD INFORMATION PROVIDED BY UTILITY OWNERS WAS PLOTTED ON THE CONTRACT DRAWINGS, DEPTHS WERE NOT FIELD VERIFIED. PHYSICAL SURFACE FEATURES LIKE MANHOLES, VALVE BOXES AND HYDRANTS HAVE BEEN FIELD LOCATED.

   QUALITY LEVEL D - EXISTING OWNER AND UTILITY COMPANY RECORDS WERE USED TO LOCATE SUBSURFACE UTILITIES.

   ALL UTILITY INFORMATION IS QUALITY LEVEL D EXCEPT NATIONAL FUEL GAS FACILITIES WHICH ARE QUALITY LEVEL C.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES, INCLUDING WATERLINES ENCOUNTERED IN THE WORK COMPLETED UNDER THIS CONTRACT. WHERE NECESSARY, THE CONTRACTOR SHALL PROVIDE TIMBER, PLANK OR OTHER APPROVED MATERIALS AND SECURELY BRACE AND PROTECT THESE UTILITIES.
3. DURING NECESSARY UTILITY RELOCATION WORK, THE CONTRACTOR SHALL COOPERATE IN EVERY WAY WITH THE UTILITY OWNER, AND SHALL SCHEDULE WORK IN SUCH A WAY AS TO COMPLY WITH SHUTDOWN TIMES AND ANY OTHER REQUIREMENTS OF THE UTILITY OWNER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR COST INCURRED DUE TO COMPLYING WITH UTILITY OWNER'S REQUIREMENTS. SUCH COSTS SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
4. THE CONTRACTOR SHALL COMPLY IN ALL RESPECTS TO THE INDUSTRIAL CODE PART (RULE NO.) 53 RELATING TO CONSTRUCTION, EXCAVATION AND DEMOLITION OPERATIONS AT OR NEAR UNDERGROUND FACILITIES, AS ISSUED BY THE NEW YORK DEPARTMENT OF LABOR, BOARD OF STANDARDS AND APPEALS.
5. EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED ON INFORMATION OBTAINED FROM THE UTILITY COMPANIES AND AVAILABLE RECORDS. THE CONTRACTOR IS CAUTIONED THAT THESE LOCATIONS ARE NOT GUARANTEED, NOR IS THERE A GUARANTEE THAT ALL SUCH LINES IN EXISTENCE HAVE BEEN SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL COMPANIES TO LOCATE THEIR UTILITIES IN ADVANCE OF ANY EXCAVATION. THE CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK CAREFULLY AND PROTECT ALL EXISTING UTILITIES TO PREVENT DAMAGE.
6. THE CONTRACTOR SHALL PROTECT AND SUPPORT THE EXISTING UTILITIES ENCOUNTERED IN ANY EXCAVATIONS. THE TYPE OF SUPPORT SHALL BE APPROVED BY THE RESPECTIVE AGENCIES HAVING JURISDICTION. THE COST FOR BRACING OR RELOCATION OF UTILITIES SHALL BE INCLUDED IN VARIOUS ITEMS OF THE CONTRACT.
7. THE CONTRACTOR SHALL COOPERATE WITH THE REPRESENTATIVE FROM EACH UTILITY, AND, IN THE EVENT OF DAMAGE TO UTILITY, REPAIR ANY DAMAGED UTILITY TO SATISFACTION OF REPRESENTATIVE, OR REIMBURSE UTILITY COMPANY TO COMPLETE THE REPAIR.
8. SHOULD UNCHARTED, OR INCORRECTLY CHARTED, PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CONSULT THE UTILITY OWNER IMMEDIATELY FOR DIRECTIONS.
9. DAMAGE TO ANY RESIDENTIAL OR COMMERCIAL UTILITY SERVICE LATERAL DAMAGED BY THE CONTRACTOR SHALL IMMEDIATELY BE RESTORED TO EXISTING CONDITIONS AT HIS OWN EXPENSE.
10. NATIONAL GRID WILL PERFORM ALL CONNECTIONS AND DISCONNECTIONS OF POWER SERVICE. AT LEAST 48 HOURS NOTIFICATION WILL BE REQUIRED BY NATIONAL GRID TO COMPLETE THE WORK.
11. THE CONTRACTOR IS TO CONTACT DIG SAFELY NEW YORK IN ADVANCE OF ANY DIGGING TO AVOID INTERRUPTION OF SERVICE PROVIDED BY UNDERGROUND UTILITIES. THE HOTLINE PHONE NUMBER IS 1-800-962-7962.

REMOVAL, EXCAVATION AND BACKFILL NOTES:

1. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING, AND OTHER DEVICES REQUIRED OR DIRECTED BY THE ENGINEER, TO PROTECT THE SAFETY OF THE ADJACENT STRUCTURES, ROADWAY, AND UTILITIES. ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
2. WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THESE ITEMS. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR DISPOSAL SITES IN ACCORDANCE WITH THE REQUIREMENTS OF NYSDEC.
3. MATERIAL SUCH AS FROZEN ORGANIC AND/OR VEGETATIVE MATERIAL, DEBRIS, TREES, LUMBER, LARGE STONES OR CLODS (6" OR LARGER), MUCK, PEAT, ORGANIC SILT, ETC., WILL NOT BE SUITABLE BACKFILL.
4. IN ALL INSTANCES WHERE THE CONTRACTOR CUTS OR DAMAGES ROADS, SIDEWALKS, OR DRIVEWAYS, BEYOND THE PAY LIMITS SHOWN, RESTORATION SHALL BE COMPLETED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPLICABLE DETAILS, AT HIS OWN EXPENSE.
5. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION APPROVED BY THE ENGINEER. THE RESTORATION OF THE DISTURBED AREAS SHALL BE ACCOMPLISHED AND SPECIFIED UNDER SECTIONS 107-08 AND 107-09 OF THE STANDARD SPECIFICATIONS.

PAVEMENT MARKING NOTES:

1. THE CONTRACTOR SHALL PROVIDE PAVEMENT MARKINGS AT ALL TIMES ON THE PROJECT. THESE MARKINGS ARE FOR TRAFFIC CONTROL AND SHALL CONFORM TO THE REQUIREMENTS OF THE FEDERAL MUTCD. IT MAY BE NECESSARY TO MARK, REMARK, AND REMOVE CONFLICTING PAVEMENT MARKING ON TEMPORARY AND PERMANENT PAVEMENT WHERE DIRECTED BY THE ENGINEER. THE MARKING SHALL BE REMOVED BY MEANS WHICH COMPLETELY REMOVE ALL TRACES OF PAINT OR PLASTIC STRIPES. PAYMENT FOR REMOVAL OF TEMPORARY PAVEMENT MARKING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
2.
3. REFER TO DRAWING SPM-1 FOR STRIPING AND MARKING DETAILS.

LANDSCAPE NOTES:

1. REFER TO DRAWINGS LL-6 AND LL-7 FOR LANDSCAPING DETAILS AND NOTES.
2. THE CONTRACTOR SHALL NOTE THAT AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL BE ON SITE TO ENSURE TREE PROTECTION STANDARDS ARE BEING FOLLOWED WHEN EXCAVATION IS BEING PERFORMED IN THE CRITICAL ROOT ZONE (CRZ), AND WHEN THE CONTRACTOR IS PERFORMING WORK ON EXISTING AND PROPOSED TREES.

TEMPORARY SOIL EROSION & SEDIMENT CONTROL NOTES:

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THROUGHOUT THE DURATION OF THE CONTRACT IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL WORK DONE ON, OR IN SUPPORT OF, THIS PROJECT.

THE POLLUTION CONTROL NOTES SHOWN IN THESE DRAWINGS AND STANDARD DETAILS ARE NOT INTENDED TO BE ALL INCLUSIVE BUT TO SERVE AS A GUIDELINE FOR DEVELOPMENT OF THE CONTRACTOR'S EROSION CONTROL SCHEME REQUIRED UNDER SECTION 107-12 OF STANDARD SPECIFICATION.

THE PURPOSE OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROL IS TO PROTECT ABUTTING PROPERTY, WATER COURSES, PONDS, DITCHES, ETC., FROM THE DETRIMENTAL EFFECTS OF SOIL EROSION AND/OR SEDIMENT ORIGINATING FROM WITHIN THE WORK LIMITS AND/OR FROM AREAS SPECIFICALLY DESIGNATED FOR CONTRACTUAL OPERATIONS BY THE STATE. PAYMENT WILL BE MADE UNDER THE APPROPRIATE PAY ITEMS FOR TEMPORARY CONTROL WORK DONE BY THE CONTRACTORS IN ACCORDANCE WITH THE PRE-APPROVED SCHEME, OR A.O.B.E. TO PROTECT PRIVATE PROPERTY, WATER COURSES, PONDS, DITCHES, ETC. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT HIS/HER OWN WORK AT NO ADDITIONAL COST TO THE CITY, IN ACCORDANCE WITH THE PROVISIONS OF SECTIONS 107, 203, 206, AND/OR 209 OF THE STANDARD SPECIFICATIONS.

1. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL DEVICES.
2. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE TO ANY WATERS NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ENTER ANY WATERS.
3. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF ON AN UPLAND SITE AND BE SUITABLY STABILIZED SO THAT IT CANNOT REASONABLY RE-ENTER ANY WATER SYSTEM.
4. THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES, AS INDICATED IN THE CONTRACT DOCUMENTS, MAY REQUIRE FIELD ADJUSTMENT DEPENDING ON THE SEQUENCE OF ACTIVITIES, CONSTRUCTION METHODS, AND/OR ACTUAL FIELD CONDITIONS A.O.B.E.
5. THE CONTRACTOR SHALL BE REQUIRED TO TREAT TRAVELED AREAS TO CONTROL DUST. WATER SHALL BE APPLIED TO SUCH TRAVELED AREAS AS THE OWNERS REPRESENTATIVE MAY DESIGNATE. THE NUMBER OF APPLICATIONS AND THE AMOUNT OF WATER USED SHALL BE BASED UPON FIELD AND WEATHER CONDITIONS. COST INCLUDED UNDER VARIOUS ITEMS OF THE CONTRACT.
6. WHEN THE PROJECT IS COMPLETED AND STABILIZED, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS MEASURES.
7. SECTION 209 - SOIL EROSION AND SEDIMENT CONTROL OF THE CURRENT NYSDOT STANDARD SPECIFICATIONS AND STANDARD SHEETS 209-01 THROUGH 209-07 (AND ALL SUBSEQUENT REVISIONS) SHALL APPLY TO ALL EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE PLAN.
8. AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE OWNER HIS/HER WRITTEN SCHEDULE AND PROPOSED MEASURES FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK AND SCHEDULE OF OPERATION AS REQUIRED BY SECTION 209 OF THE NYSDOT STANDARD SPECIFICATIONS.

MAINTENANCE NOTES:

9. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION AT LEAST EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1/2" OR GREATER.
10. AT THE END OF EACH WORKDAY, ALL SEDIMENT DEPOSITED ON THE PUBLIC ROADWAY SHALL BE REMOVED AND RETURNED TO THE WORK AREAS, WASHING OF THE ROADWAY WITH WATER IS NOT PERMITTED.

PERVIOUS PAVEMENT NOTES:

1. PERVIOUS PAVEMENT
   - A. POLYMER-MODIFIED ASPHALT PAVEMENT
   - B. USE A NEAT ASPHALT BINDER MODIFIED WITH AN ELASTOMERIC POLYMER TO PRODUCE A BINDER MEETING THE REQUIREMENTS OF PG 76-22 WITH AN ELASTIC RECOVERY OF MINIMUM 60% AS SPECIFIED IN AASHTO MP-1.
   - C. AIR VOIDS - 16% MINIMUM PER ASTM D3203.
   - D. ASPHALT CONTEXT - 52% MINIMUM BY WEIGHT DRY AGGREGATE.
   - E. DRAINDOWN - 0.3% MAXIMUM PER ASTM D6390.
   - F. AGGREGATE SHALL BE MINIMUM 90% CRUSHED MATERIAL AND HAVE A GRADATION OF:

US STANDARD SIEVE SIZE	PERCENT PASSING
3/4" (19.0 mm)	100
1/2" (12.5 mm)	94 - 100
3/8" (9.5 mm)	85 - 98
4 (4.75 mm)	32 - 44
8 (2.36 mm)	12 - 24
16 (1.18 mm)	7 - 14
30 (0.60 mm)	0 - 5
200 (0.075 mm)	0- 3

   - G. THE COMPOSITE MATERIAL SHALL BE THOROUGHLY BLENDED AT THE ASPHALT REFINERY OR TERMINAL PRIOR TO BEING LOADED ONTO THE TRANSPORT VEHICLE.
   - H. BINDER SHALL BE HEAT AND STORAGE STABLE.
   - I. INSTALLATION:
     1. PERVIOUS PAVEMENT SHALL NOT BE INSTALLED ON WET SURFACES OR WHEN AMBIENT AIR TEMPERATURE IS 50° F OR LOWER.
     2. TEMPERATURE OF BITUMINOUS MIX SHALL BE BETWEEN 275° F AND 350° F OR AS RECOMMENDED BY THE ASPHALT SUPPLIER.
     3. INSTALL PER WRITTEN INSTRUCTIONS FROM ASPHALT SUPPLIER.
2. BIAXIAL GEOGRID
   - A. DESIGNED TO STABILIZE ROADWAY FOUNDATIONS.
   - B. TENSAR BIAXIAL GEOGRID BX 1200 OR ACCEPTED EQUAL.
   - C. PRODUCT PROPERTIES:
     1. TENSILE STRENGTH @ 2% STRAIN (ASTM D4759-02) - 410 lb/ft (MD VALUES); 620 lb/ft (XMD VALUES).
     2. ULTIMATE TENSILE STRESS (ASTM D4759-02) - 1,310 lb/ft (MD VALUES): 1,970 lb/ft (XMD VALUES).
     3. JUNCTION EFFICIENCY (GRI-662-05) - 93%.
     4. FLEXURAL STIFFNESS (ASTM D5732-01) - 750,000 mg-cm.
     5. APERTURE STABILITY - 0.65 M-N/deg.
     6. RESISTANCE TO LONG-TERM DEGRADATION (EPA 9090) - 100%.

PS&E SUBMISSION
DATE 12/2012

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REV.

DEPARTMENT OF PUBLIC WORKS · CITY OF BUFFALO

TITLE **CARLTON STREET RECONSTRUCTION GENERAL NOTES**

COMMISSIONER STEVEN STEPNIAK
DEPARTMENT OF PUBLIC WORKS
THE DIVISION OF ENGINEERING, PARKS AND STREETS
CITY OF BUFFALO, NEW YORK

DATE 12/2012
FIELD BK.
PROJ. NO. 2010.0374.00
SHEET NO. 4

DWG. NO. **GN-1**
SCALE AS SHOWN
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CHECKED GMW

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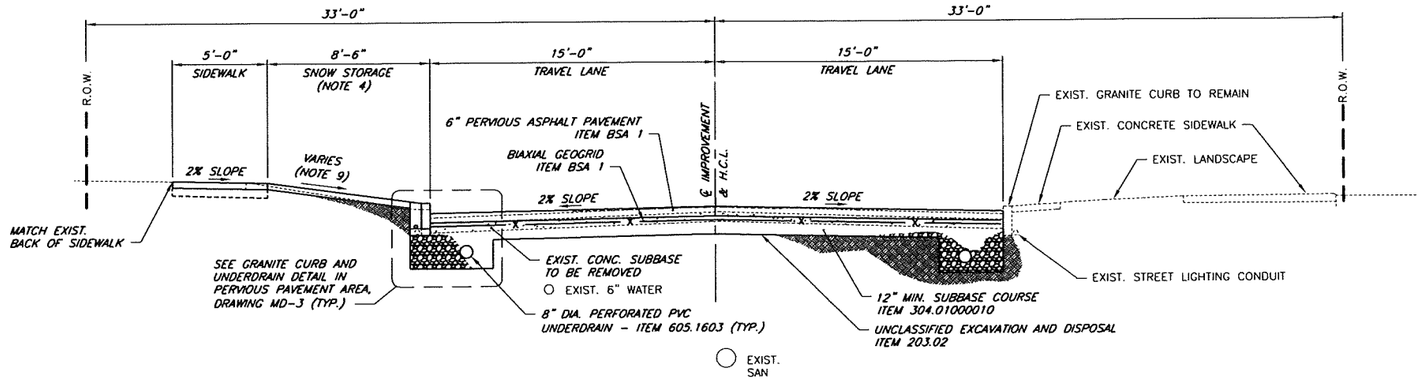
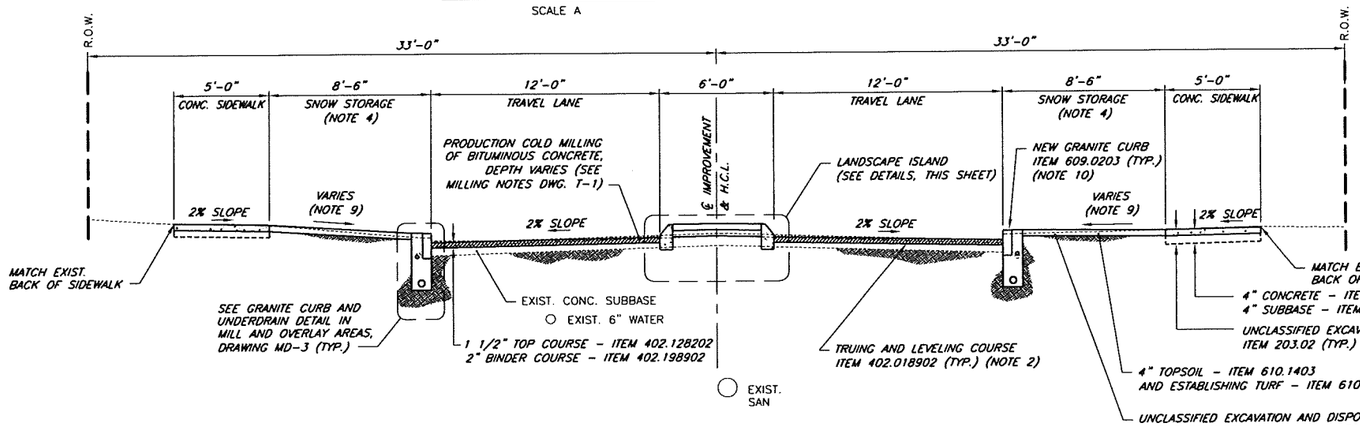
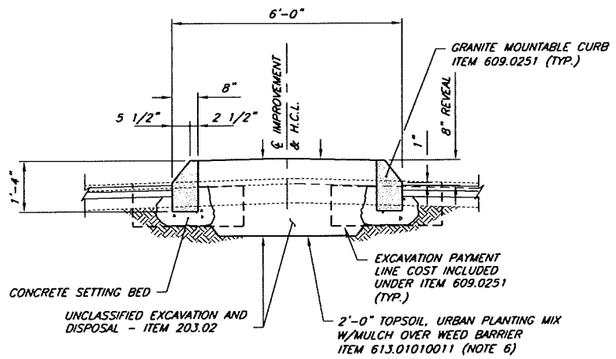


CARLTON STREET TYPICAL PERVIOUS PAVEMENT SECTION

STA. CN23+63.78 TO STA. CN26+35.00

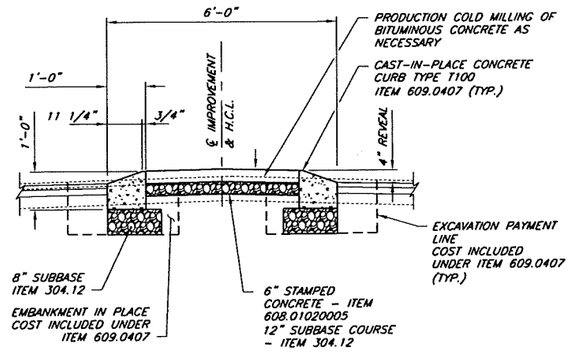
SCALE A





LANDSCAPE ISLAND MOUNTABLE CURB DETAIL

SCALE B



LANDSCAPE ISLAND TRAVERSABLE CURB DETAIL

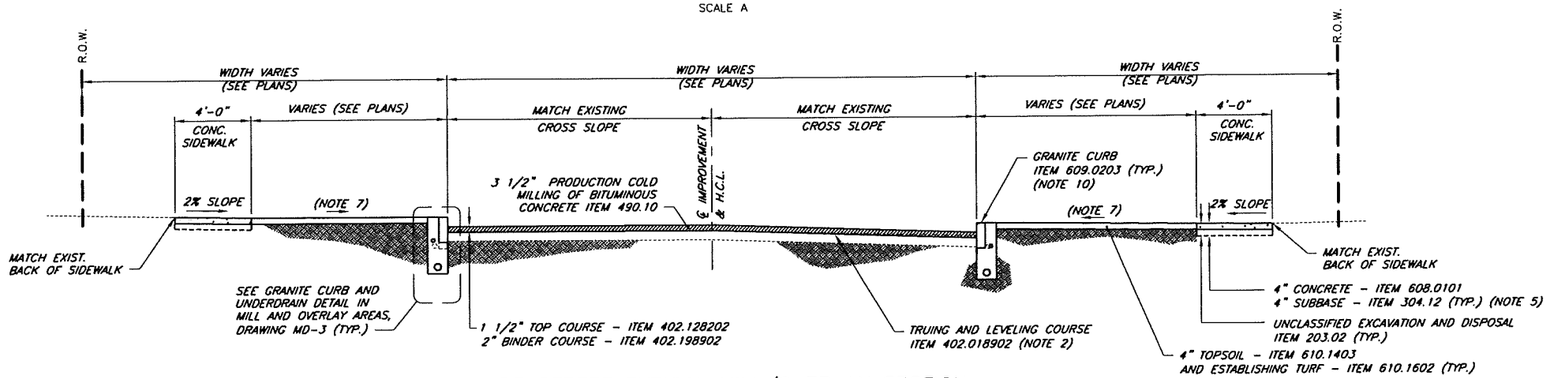
SCALE B

CARLTON STREET TYPICAL MILL/OVERLAY (ISLAND) SECTION

STA. CN10+83.00 TO STA. CN12+25.00

STA. CN34+76.00 TO STA. CN35+40.00

SCALE A



SIDE STREET TYPICAL MILL/OVERLAY SECTION

SCALE A

NOTES:

1. THE WORK AREA SHALL BE CLEARED AND GRUBBED AS NECESSARY. WORK TO BE PAID FOR UNDER ITEM 201.06.
2. A TRUING AND LEVELING COURSE MAY BE REQUIRED TO CORRECT DEFICIENCIES IN THE GRADE AND CROSS SLOPE OF THE MILLED ASPHALT CONCRETE SURFACE PRIOR TO PLACEMENT OF THE BINDER AND THE TOP COURSES AS ORDERED BY THE ENGINEER.
3. TACK COAT, ITEM 407.0102, SHALL BE APPLIED BETWEEN ALL MILLED SURFACES AND PROPOSED PAVEMENT COURSES.
4. REFER TO CONCRETE SIDEWALK AND SNOW STORAGE CONSTRUCTION DETAIL DRAWING MD-3 FOR LOCATIONS INVOLVING TREE PLANTINGS.
5. SIDEWALKS SHALL BE CONSTRUCTED WITH 6" OF SUBBASE AND 6" OF CONCRETE AT ALL DRIVEWAYS.
6. LANDSCAPE ISLAND TREATMENT VARIES. SEE DRAWINGS LL-1 TO LL-3.
7. SNOW STORAGE CROSS SLOPES ON SIDE STREETS VARY TO MATCH EXISTING GRADES AT BACK OF SIDEWALK.
8. FOR MILLING NOTES, REFER TO DWG. T-1.
9. SEE SNOW STORAGE CROSS SLOPE TABLES, DWG. T-1.
10. SEE PROFILES, DWG. PP-1 THROUGH PP-5 FOR CURB REVEALS.

SCALE B: 4 0 2 4 FT.

SCALE A: 4 0 4 8 FT.

PS&E SUBMISSION

DATE 12/2012

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REV.

TITLE **CARLTON STREET RECONSTRUCTION**

TYPICAL SECTIONS

COMMISSIONER STEVEN STEPNIAK
DEPARTMENT OF PUBLIC WORKS
THE DIVISION OF ENGINEERING, PARKS AND STREETS
CITY OF BUFFALO, NEW YORK

DWG. NO. **T-2**

SCALE AS SHOWN

DRAWN BY TJB

CHECKED ETF

DATE 12/2012

FIELD BK.

PROJ. NO. 2010.0374.00

SHEET NO. **13**

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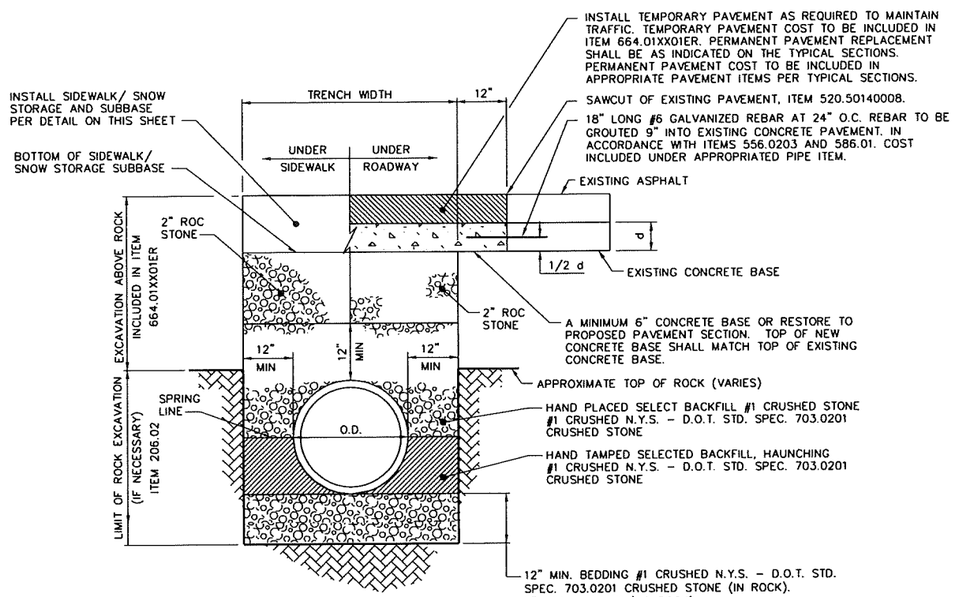
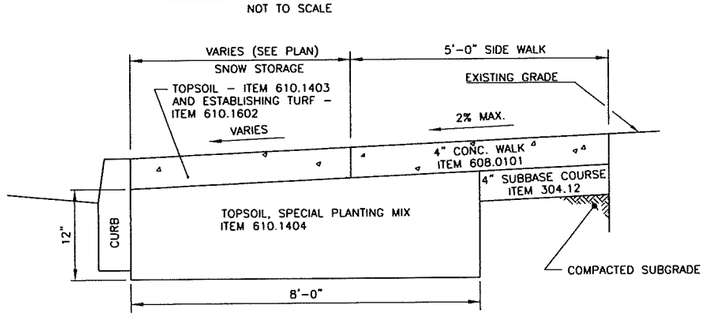


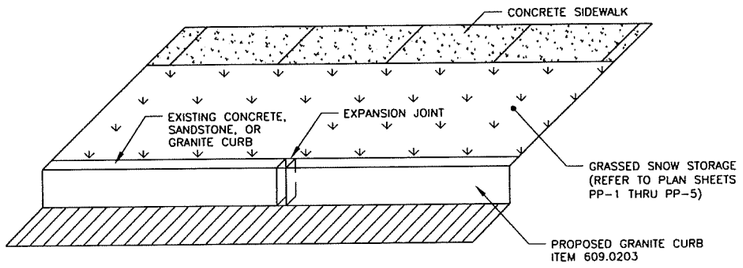
P.V.C. PIPE TRENCH DETAIL ITEMS 664.01XX01ER

NOT TO SCALE



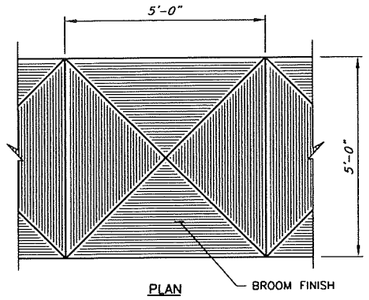
CONCRETE SIDEWALK AND SNOW STORAGE CONSTRUCTION

NOT TO SCALE



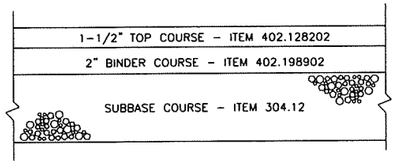
CURB TRANSITION TO EXISTING CURB

NOT TO SCALE



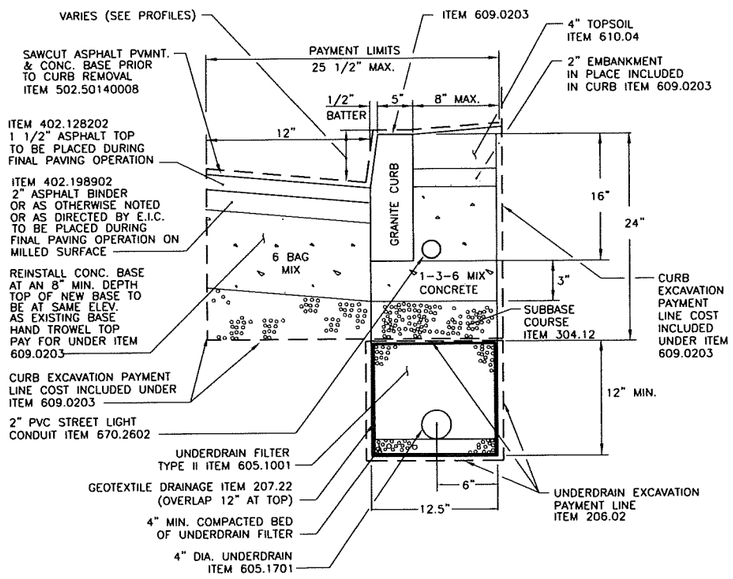
CONC. SIDEWALK TREATMENT DETAIL

NOT TO SCALE



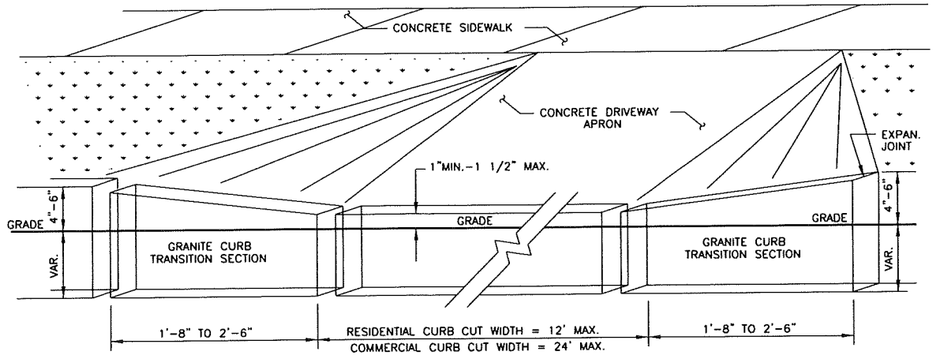
TYPICAL PARKING LOT PAVEMENT SECTION

NOT TO SCALE



GRANITE CURB AND UNDERDRAIN DETAIL IN MILL AND OVERLAY AREAS

NOT TO SCALE

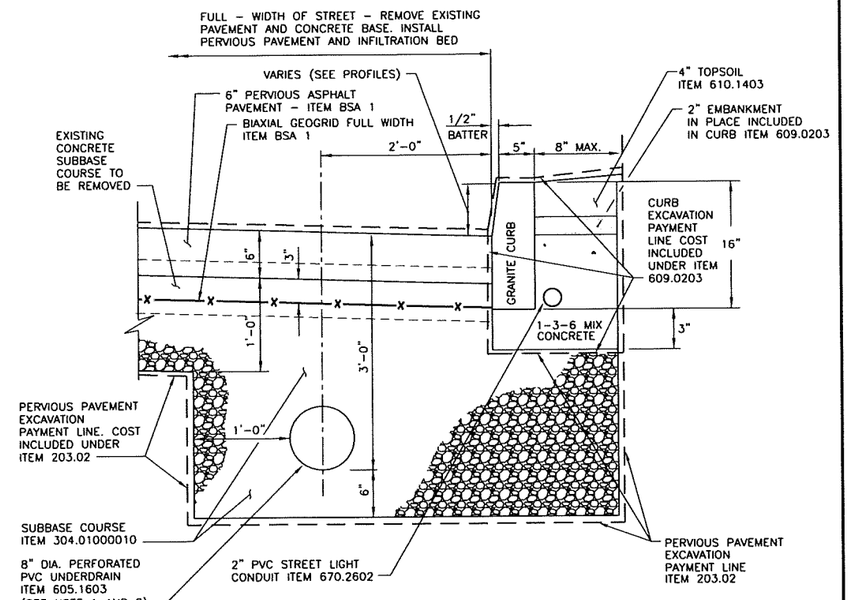


NOTE:

DRIVEWAY, SIDEWALK, & APPROACHES SHALL BE 6" THICK. COMMERCIAL DRIVEWAY, SIDEWALK & APPROACHES SHALL INCLUDE WIRE MESH, A.O.B.E.

CURB DRIVEWAY TRANSITION & APRON

NOT TO SCALE



NOTES:

1. COSTS FOR ANY NECESSARY PIPE FITTINGS (CONNECTIONS TO DRAINAGE INLETS, CLEANOUTS, ETC.) TO BE INCLUDED IN THE PRICE BID FOR ITEM 605.1603.
2. CONNECTIONS TO DRAINAGE INLETS AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 605.1603.

GRANITE CURB AND UNDERDRAIN DETAIL IN PERVIOUS PAVEMENT AREA

NOT TO SCALE

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DEPARTMENT OF PUBLIC WORKS ENGINEERING BUFFALO CITY OF BUFFALO

TITLE **CARLTON STREET RECONSTRUCTION**
MISCELLANEOUS DETAILS III

DWG. NO. **MD-3**

COMMISSIONER STEVEN STEPNIAK
DEPARTMENT OF PUBLIC WORKS
THE DIVISION OF ENGINEERING, PARKS AND STREETS
CITY OF BUFFALO, NEW YORK

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PROJ. NO. 2010.0374.00
SHEET NO. 19

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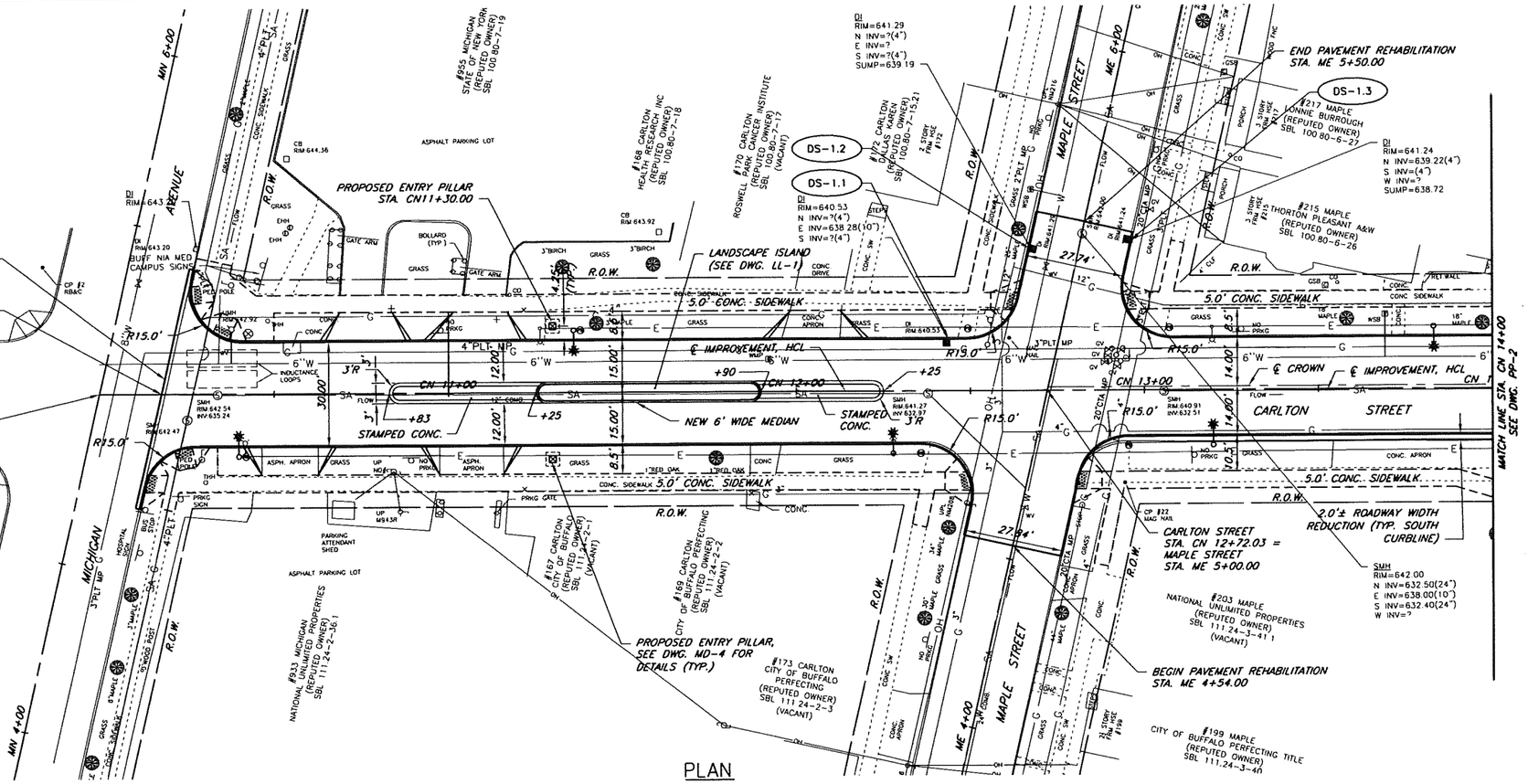

PLAN
SCALE: A

PROPOSED GRADES									
B.W.		643.23	642.82	642.57	642.32	(SEE DWG. IG-1)	(SEE DWG. IG-1)	641.37	640.77
T.C.		642.62 (6" REVEAL)	642.21 (7" REVEAL)	641.96 (7" REVEAL)	641.72 (7" REVEAL)	(SEE DWG. IG-1)	(SEE DWG. IG-1)	640.76 (7" REVEAL)	640.16 (7" REVEAL)
B.C.		642.12	641.63	641.38	641.13	(SEE DWG. IG-1)	(SEE DWG. IG-1)	640.18	639.58
℄		642.42	641.93	641.68	641.43	641.25	641.02	640.46	639.86
B.C.		642.12	641.63	641.38	641.13	(SEE DWG. IG-1)	(SEE DWG. IG-1)	640.18	639.58
T.C.		642.37 (3" REVEAL)	641.96 (4" REVEAL)	641.80 (5" REVEAL)	641.55 (5" REVEAL)	(SEE DWG. IG-1)	(SEE DWG. IG-1)	640.60 (5" REVEAL)	640.00 (5" REVEAL)
B.W.		642.56	642.15	641.98	641.73	(SEE DWG. IG-1)	(SEE DWG. IG-1)	640.80	640.23

PROFILE
HORIZONTAL SCALE: A
VERTICAL SCALE: B

SCALE B: 5 0 5 10 FT.
SCALE A: 20 0 20 40 FT.

NOTES:

1. REFER TO DWG'S LL-1 TO LL-5 FOR PROPOSED LANDSCAPING AND STREET LIGHTING PLAN AND DETAILS.
2. REFER TO DWG'S W-1 TO W-5 FOR PROPOSED WATERMAIN PLANS AND DETAILS.
3. REFER TO DWG'S SR-1 TO SR-5 AND SPM-1 TO SPM-5 FOR SIGN REMOVAL AND PROPOSED SIGN AND STRIPING, RESPECTIVELY.
4. REFER TO DWG'S MT-1 AND MD-3 FOR LIMITS AND DETAILS OF DRIVEWAY, SIDEWALK, SIDEWALK CURB RAMPS AND CURB INSTALLATION AND REPLACEMENT.

PS&E SUBMISSION
DATE 12/2012

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DEPARTMENT OF PUBLIC WORKS ENGINEERING BUILDING AS OF 1924 CITY OF BUFFALO

TITLE **CARLTON STREET RECONSTRUCTION**
PLAN AND PROFILE STA. CN10+00 TO STA. CN14+00

DWG. NO. **PP-1**

COMMISSIONER STEVEN STEPNIAK
DEPARTMENT OF PUBLIC WORKS
THE DIVISION OF ENGINEERING, PARKS AND STREETS
CITY OF BUFFALO, NEW YORK

DATE 12/2012
FIELD BK.
PROJ. NO. 2010.0374.00
SHEET NO. 37

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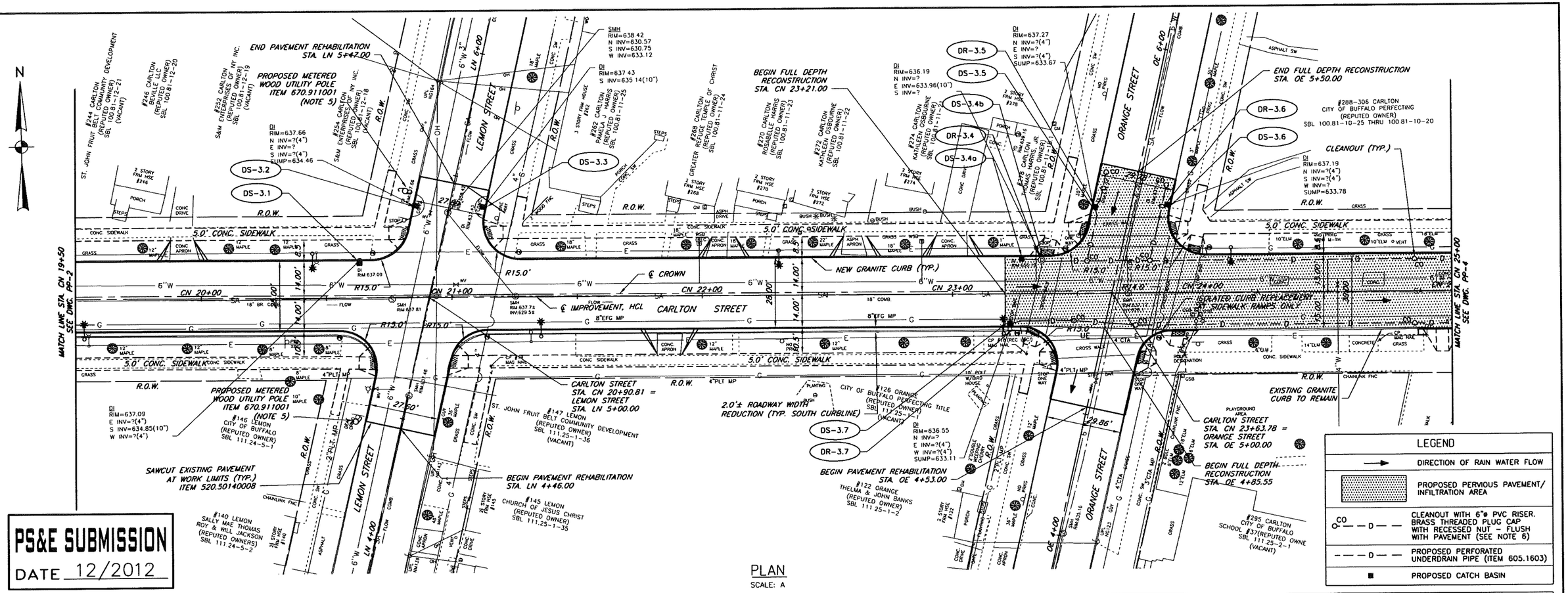
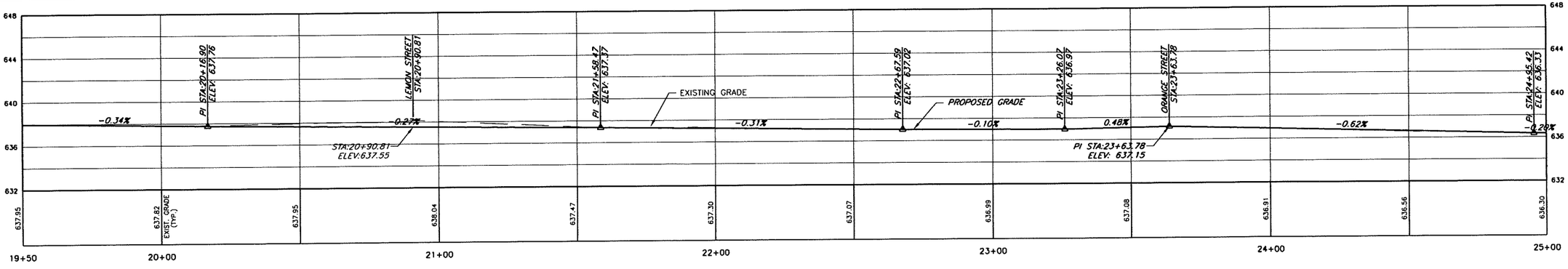


PLAN
SCALE: A

PS&E SUBMISSION
DATE 12/2012

PROPOSED GRADES	B.W.	638.90	638.72	638.58	(SEE DWG. IG-2)	638.01	637.86	637.70	637.61	(SEE DWG. IG-2)	(SEE DWG. IG-2)	637.50	637.21
	T.C.	638.29 (7" REVEAL)	638.11 (7" REVEAL)	637.97 (7" REVEAL)	(SEE DWG. IG-2)	637.61 (6" REVEAL)	637.46 (6" REVEAL)	637.30 (6" REVEAL)	637.21 (6" REVEAL)	(SEE DWG. IG-2)	(SEE DWG. IG-2)	636.89 (7" REVEAL)	636.60 (7" REVEAL)
	B.C.	637.71	637.53	637.39	(SEE DWG. IG-2)	637.11	636.96	636.80	636.71	(SEE DWG. IG-2)	(SEE DWG. IG-2)	636.31	636.02
	℄	637.99	637.81	637.67	637.53	637.39	637.24	637.08	636.99	637.08	636.92	636.61	636.32
	B.C.	637.71	637.53	637.39	(SEE DWG. IG-2)	637.11	636.96	636.80	636.71	(SEE DWG. IG-2)	636.62	636.31	636.02
	T.C.	638.04 (4" REVEAL)	637.95 (5" REVEAL)	637.81 (5" REVEAL)	(SEE DWG. IG-2)	637.61 (6" REVEAL)	637.46 (6" REVEAL)	637.30 (6" REVEAL)	637.21 (6" REVEAL)	(SEE DWG. IG-2)	637.12 (6" REVEAL)	636.81 (6" REVEAL)	636.52 (6" REVEAL)
	B.W.	638.25	638.15	638.01	(SEE DWG. IG-2)	637.82	637.67	637.51	637.42	(SEE DWG. IG-2)	XX	XX	XX



PROFILE
HORIZONTAL SCALE: A
VERTICAL SCALE: B

SCALE B: 5 0 5 10 FT.
SCALE A: 20 0 20 40 FT.

NOTES:

1. REFER TO DWG'S LL-1 TO LL-5 FOR PROPOSED LANDSCAPING AND STREET LIGHTING PLAN AND DETAILS.
2. REFER TO DWG'S W-1 TO W-5 FOR PROPOSED WATERMAIN PLANS AND DETAILS.
3. REFER TO DWG'S SR-1 TO SR-5 AND SPM-1 TO SPM-5 FOR SIGN REMOVAL AND PROPOSED SIGN AND STRIPING, RESPECTIVELY.
4. REFER TO DWG'S MT-1 AND MD-3 FOR LIMITS AND DETAILS OF DRIVEWAY, SIDEWALK, SIDEWALK CURB RAMPS AND CURB INSTALLATION AND REPLACEMENT.
5. REFER TO DWG. LL-2 AND LL-5 FOR FURTHER DETAILS OF LIGHT SYSTEM METERED SERVICE CONNECTION.
6. CLEANOUTS, INCLUDING BRASS THREADED PLUG CAP WITH RECESSED NUT, SHALL BE INCLUDED IN THE COST OF ITEM 605.1603. THE 6 INCH VERTICAL RISER FOR EACH CLEANOUT SHALL BE MEASURED FROM THE BRASS RIM TO THE CONNECTION AT THE 8" UNDERDRAIN, AND ADDED THE QUANTITY FOR ITEM 605.1603.

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REV.

TITLE **CARLTON STREET RECONSTRUCTION**
PLAN AND PROFILE STA. CN19+50 TO STA. CN25+00

DWG. NO. **PP-3**

COMMISSIONER STEVEN STEPNIAK
DEPARTMENT OF PUBLIC WORKS
THE DIVISION OF ENGINEERING, PARKS AND STREETS
CITY OF BUFFALO, NEW YORK

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SHEET NO. 39

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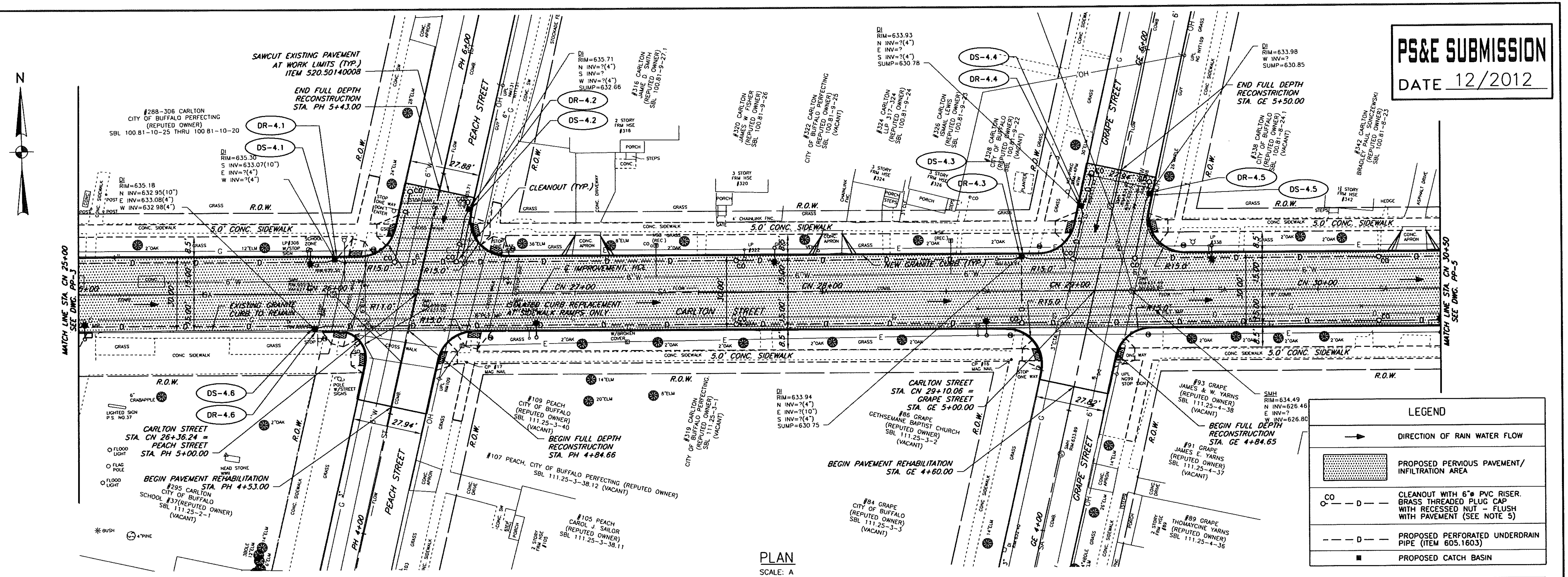
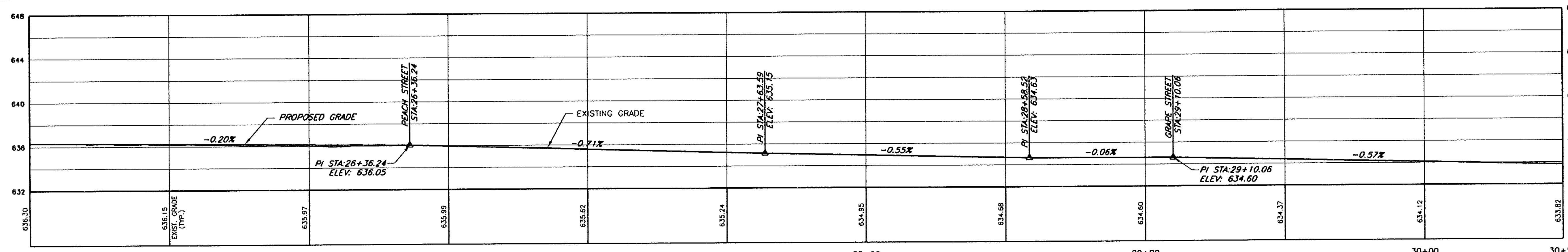
DATE 12/2012



PLAN
SCALE: A

PROPOSED GRADES												
B.W.	637.21	637.11	636.93	(SEE DWG. IG-2)	636.49	636.14	635.84	635.57	(SEE DWG. IG-2)	(SEE DWG. IG-2)	634.90	634.27
T.C.	636.60 (7" REVEAL)	636.50 (7" REVEAL)	636.32 (6" REVEAL)	(SEE DWG. IG-2)	635.88 (7" REVEAL)	635.53 (7" REVEAL)	635.23 (7" REVEAL)	634.96 (7" REVEAL)	(SEE DWG. IG-2)	(SEE DWG. IG-2)	634.29 (6" REVEAL)	634.00 (6" REVEAL)
B.C.	636.02	635.92	635.82	(SEE DWG. IG-2)	635.30	634.95	634.65	634.38	(SEE DWG. IG-2)	(SEE DWG. IG-2)	633.79	633.50
℄	636.32	636.22	636.12	635.96	635.60	635.25	634.95	634.68	634.61	634.37	634.09	633.80
B.C.	636.02	635.92	635.82	(SEE DWG. IG-2)	635.30	634.95	634.65	634.38	(SEE DWG. IG-2)	634.07	633.79	633.50
T.C.	636.52 (6" REVEAL)	636.42 (6" REVEAL)	636.32 (6" REVEAL)	(SEE DWG. IG-2)	635.80 (6" REVEAL)	635.45 (6" REVEAL)	635.15 (6" REVEAL)	634.88 (6" REVEAL)	(SEE DWG. IG-2)	634.57 (6" REVEAL)	634.29 (6" REVEAL)	634.00 (6" REVEAL)
B.W.	XX	XX	XX	(SEE DWG. IG-2)	636.07	635.72	635.42	635.15	(SEE DWG. IG-2)	634.76	634.48	634.19



PROFILE
HORIZONTAL SCALE: A
VERTICAL SCALE: B

SCALE B: 5 0 5 10 FT.
SCALE A: 20 0 20 40 FT.

NOTES:

1. REFER TO DWG'S LL-1 TO LL-5 FOR PROPOSED LANDSCAPING AND STREET LIGHTING PLAN AND DETAILS.
2. REFER TO DWG'S W-1 TO W-5 FOR PROPOSED WATERMAIN PLANS AND DETAILS.
3. REFER TO DWG'S SR-1 TO SR-5 AND SPM-1 TO SPM-5 FOR SIGN REMOVAL AND PROPOSED SIGN AND STRIPING, RESPECTIVELY.
4. REFER TO DWG'S MT-1 AND MD-3 FOR LIMITS AND DETAILS OF DRIVEWAY, SIDEWALK, SIDEWALK CURB RAMPS AND CURB INSTALLATION AND REPLACEMENT.
5. CLEANOUTS, INCLUDING BRASS THREADED PLUG CAP WITH RECESSED NUT, SHALL BE INCLUDED IN THE COST OF ITEM 605.1603. THE 6 INCH VERTICAL RISER FOR EACH CLEANOUT SHALL BE MEASURED FROM THE BRASS RIM TO THE CONNECTION AT THE 8" UNDERDRAIN, AND ADDED THE QUANTITY FOR ITEM 605.1603.
6. DUE TO THE EXISTENCE OF UTILITIES (GAS AND ELECTRIC LINES) IN THE VICINITY OF THE PROPOSED 8" UNDERDRAIN BETWEEN PEACH AND BEECH STREET ALONG THE CURB LINE, IT MAY BE NECESSARY TO FIELD ADJUST THE LOCATION OF THIS PIPE. THE LATERAL LOCATION OF THE 8" UNDERDRAIN PIPE SHALL BE COORDINATED WITH THE BUFFALO SEWER AUTHORITY (BSA) ENGINEERING DEPARTMENT (716-851-4664) AFTER UTILITY LOCATIONS HAVE BEEN VERIFIED.

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REV.

TITLE **CARLTON STREET RECONSTRUCTION**
PLAN AND PROFILE STA. CN25+00 TO STA. CN30+50

DWG. NO. **PP-4**

COMMISSIONER STEVEN STEPNIAK
DEPARTMENT OF PUBLIC WORKS
THE DIVISION OF ENGINEERING, PARKS AND STREETS
CITY OF BUFFALO, NEW YORK

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PROJ. NO. 2010.0374.00
SHEET NO. **40**

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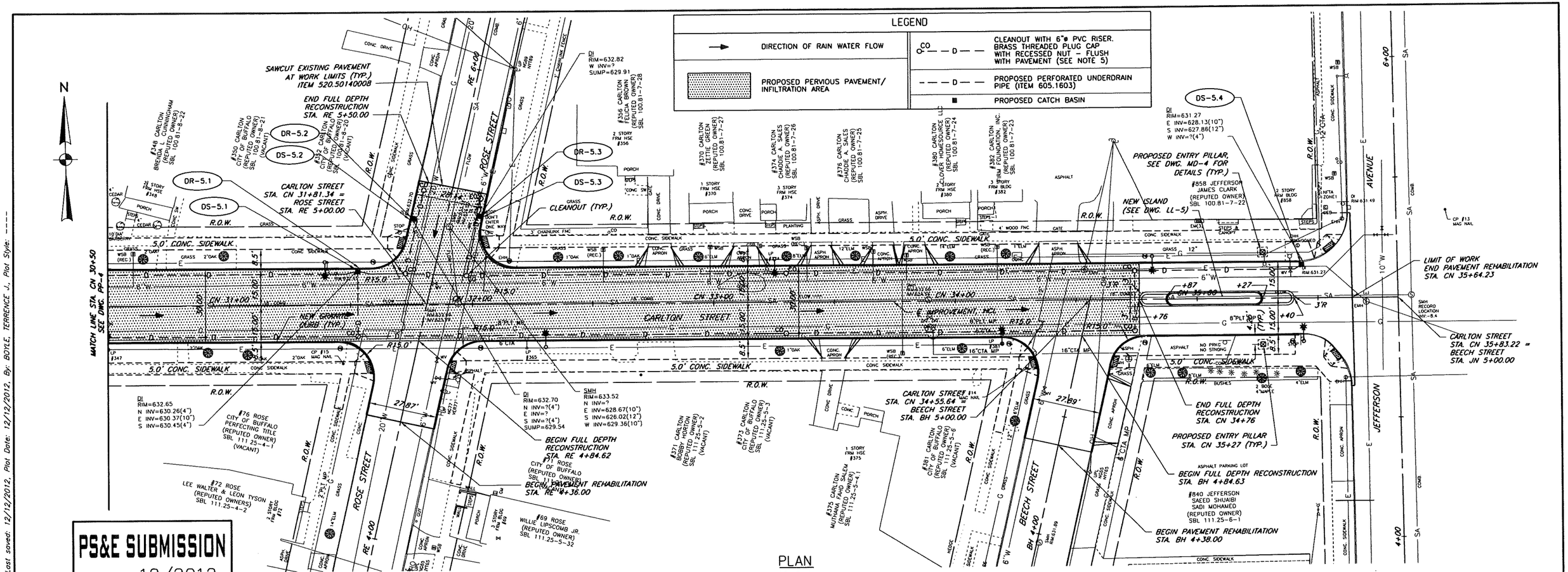
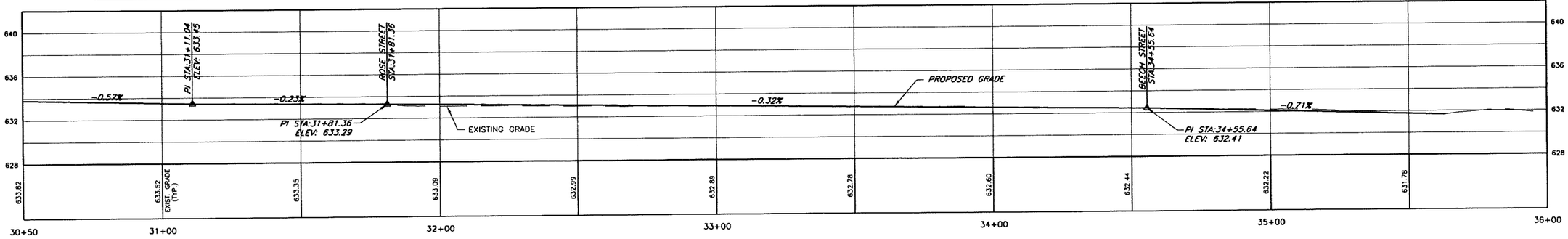


PROPOSED GRADES											
B.W.	634.27	633.99	633.83	(SEE DWG. IG-5	633.54	633.38	633.22	633.06	632.90	632.56	(SEE DWG. IG-5)
T.C.	634.00 (6" REVEAL)	633.72 (6" REVEAL)	633.56 (6" REVEAL)	(SEE DWG. IG-5)	633.27 (6" REVEAL)	633.11 (6" REVEAL)	632.95 (6" REVEAL)	632.79 (6" REVEAL)	632.63 (6" REVEAL)	632.29 (6" REVEAL)	(SEE DWG. IG-5)
B.C.	633.50	633.22	633.06	(SEE DWG. IG-5)	632.77	632.61	632.45	632.29	632.13	631.79	(SEE DWG. IG-5)
℄	633.80	633.52	633.36	633.23	633.07	632.91	632.75	632.59	632.43	632.09	631.74
B.C.	633.50	633.22	(SEE DWG. IG-5)	(SEE DWG. IG-5)	632.77	632.61	632.45	632.29	(SEE DWG. IG-5)	631.79	(SEE DWG. IG-5)
T.C.	634.00 (6" REVEAL)	633.72 (6" REVEAL)	(SEE DWG. IG-5)	(SEE DWG. IG-5)	633.10 (4" REVEAL)	632.94 (4" REVEAL)	632.78 (4" REVEAL)	632.62 (4" REVEAL)	(SEE DWG. IG-5)	632.29 (6" REVEAL)	(SEE DWG. IG-5)
B.W.	634.19	633.91	(SEE DWG. IG-5)	(SEE DWG. IG-5)	633.29	633.13	632.97	632.81	(SEE DWG. IG-5)	632.73	(SEE DWG. IG-5)



PROFILE
HORIZONTAL SCALE: A
VERTICAL SCALE: B

5 0 5 10 FT.
SCALE B

20 0 20 40 FT.
SCALE A

NOTES:

1. REFER TO DWG'S LL-1 TO LL-5 FOR PROPOSED LANDSCAPING AND STREET LIGHTING PLAN AND DETAILS.
2. REFER TO DWG'S W-1 TO W-5 FOR PROPOSED WATERMAIN PLANS AND DETAILS.
3. REFER TO DWG'S SR-1 TO SR-5 AND SPM-1 TO SPM-5 FOR SIGN REMOVAL AND PROPOSED SIGN AND STRIPING, RESPECTIVELY.
4. REFER TO DWG'S MT-1 AND MD-3 FOR LIMITS AND DETAILS OF DRIVEWAY, SIDEWALK, SIDEWALK CURB RAMPS AND CURB INSTALLATION AND REPLACEMENT.
5. CLEANOUTS, INCLUDING BRASS THREADED PLUG CAP WITH RECESSED NUT, SHALL BE INCLUDED IN THE COST OF ITEM 605.1603. THE 6 INCH VERTICAL RISER FOR EACH CLEANOUT SHALL BE MEASURED FROM THE BRASS RIM TO THE CONNECTION AT THE 8" UNDERDRAIN, AND ADDED THE QUANTITY FOR ITEM 605.1603.
6. DUE TO THE EXISTENCE OF UTILITIES (GAS AND ELECTRIC LINES) IN THE VICINITY OF THE PROPOSED 8" UNDERDRAIN BETWEEN PEACH AND BEECH STREET ALONG THE CURB LINE, IT MAY BE NECESSARY TO FIELD ADJUST THE LOCATION OF THIS PIPE. THE LATERAL LOCATION OF THE 8" UNDERDRAIN PIPE SHALL BE COORDINATED WITH THE BUFFALO SEWER AUTHORITY (BSA) ENGINEERING DEPARTMENT (716-851-4664) AFTER UTILITY LOCATIONS HAVE BEEN VERIFIED.

PS&E SUBMISSION
DATE 12/2012

TVGA CONSULTANTS
ENGINEERING · LAND SURVEY · MAPPING · ENVIRONMENTAL
620 MAIN STREET BUFFALO, NEW YORK 14202-1906 P. 716.849.8739 F. 716.856.0981 (www.tvga.com)

REV.

TITLE **CARLTON STREET RECONSTRUCTION**
PLAN AND PROFILE STA. CN30+50 TO STA. CN36+00

DWG. NO. **PP-5**

COMMISSIONER STEVEN STEPNIAK
DEPARTMENT OF PUBLIC WORKS
THE DIVISION OF ENGINEERING, PARKS AND STREETS
CITY OF BUFFALO, NEW YORK

SCALE AS SHOWN
DRAWN BY TJB
CHECKED ETF

DATE 12/2012
FIELD BK.
PROJ. NO. 2010.0374.00
SHEET NO. 41

Appendix 7-5: Ohio Street Project Information (GI Related Component Only)

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Ohio Street and Inner Harbor Infrastructure Improvements
PIN No. 5760.26
Green Infrastructure Design Summary
May 28, 2013

This memo is being provided to summarize the green infrastructure elements used in the Ohio Street and Inner Harbor Infrastructure Improvement project. The goals of the project were to incorporate green infrastructure to meet NYSDEC standards for water quality. The current design is in compliance with NYSDEC regulations and any additional green infrastructure beyond what is required by NYSDEC would be considered a betterment and would not be eligible for federal reimbursement.

Coordinated efforts among stakeholders in the project, including the Buffalo Sewer Authority, led to the use of the following green infrastructure elements as shown in the current plans:

1. Reduction in the number of travel lanes resulting in a reduction in the road surface area of more than 30 percent.
2. Implementation of porous pavement for the shared use path along the west side for a majority of the length of project.
3. Implementation of porous pavement for parking lanes along the west side on the north end of the project.
4. Creation of a 5 to 13 foot wide green snow storage area between the road and the path/sidewalk on the east and west sides for the entire length of the project. This area will be constructed of 12 inches of topsoil which equates to 5,000 cubic yards.
5. Over 260 trees will be planted throughout the length of the project with other areas landscaping.
6. Removing and disposing of thousands of tons of soil that potentially could be contaminated.
7. All new drainage structures that catch runoff from the road surface contain a 2' deep sump that collects debris and sediments prior to entering the main storm sewer line. These structures also have a hood at the outlet the prevent floatables from entering the main storm sewer line.
8. For a 10-year design storm, implementation of the green infrastructure elements as shown in the plans would reduce stormwater volume by 162,000 gallons (0.5 acre-ft) and reduce the stormwater peak flow by 3200 gpm (7 cfs).

Documentation of these coordinated efforts and supporting calculations are provided in the attachments to this memo. These attachments include:

- Minutes from a meeting where green infrastructure was discussed with the representatives of the Buffalo Sewer Authority, Erie Canal Harbor Development Corporation, and other departments at the City of Buffalo.
- Calculations documenting the 30% reduction in impervious area.
- A conference log showing NYS DEC concurrence with the definition of porous pavement as a permeable surface for calculation of water quality volume and runoff reduction volumes.
- Design drawings showing potential locations for green infrastructure elements.

The existing corridor consists of 4 travel lanes of impervious surface throughout the project length. Very little green space exists within the highway boundary. The proposed road section reduces the number of lanes from 4 to 2 north of the Ohio Street Lift Bridge and reduces the number of lanes from 4 to 3 south of the Ohio Street Lift Bridge. The project also includes the addition of green areas on both the west and east side consisting of 12" of topsoil, grass and plantings. A porous paved shared use path and parking lane will be constructed on the west side. With these changes the percentage of impervious area from existing conditions to post construction conditions is reduced by more than 30%.

The design team did look at including other green infrastructure elements, but for cost, technical and maintenance reasons these were not implemented. For example, the use of porous pavement in the travel lanes was discussed, but the increased cost combined with concerns about the use of this material along with maintenance concerns on a high traffic roadway removed this option from consideration. Based on soil classifications obtained from the soil boring program, the permeability characteristics of in-situ soils would make them unsuitable for use with infiltration elements such as bioretention areas.

A meeting was conducted with NYSDEC regarding the Ohio Street Improvement Project and through a review of the NYSDEC regulations for redevelopment projects it was determined that water quality controls were not required for this project. That is not to say that water quality controls for storm water were ignored for this project as a reduction of the impervious area will improve water quality. A follow up meeting was conducted with the Buffalo Sewer Authority and they agreed with our assessment that the design presented met their needs.

wendel

MEETING MINUTES

535 Washington Street, Suite 603
Buffalo, NY 14203

Phone: 716-688-0766
Fax: 716-842-8860

No.006

Project No. 459701

Project Title: ***Ohio Street Inner Harbor***

Meeting Date: 03/27/13

Location:

Subject: Green Infrastructure

Attended	Initials	Name	Company
Yes	OM	OJ McFoy	Buffalo Sewer Authority
Yes	JO	Julie O'Neill	Buffalo Sewer Authority
Yes	AR	Andy Rabb	City of Buffalo, Forestry Department
Yes	SR	Steve Ranalli	ECHDC
Yes	SG	Seyed Ghasemi	DPW
Yes	MFL	Michael Leydecker	Wendel
Yes	MVM	Mark Mistretta	Wendel

Item	Ball in Court	Description	Status	Started	Due
1					
2					
3					

TOPICS DISCUSSED:

1. SR – Brief introduction
2. MFL – Review DEC regulations
   S. of River – Storm sewer will include in-line detention
3. Conversation –
   Because we are reducing more than 25% - BSA is okay with using pavement reduction as part of equation. So they are okay with not doing anything more. Could have just plain grass in green areas.
4. AR – Wants to know what areas we will be maintaining.
   - Grass areas, not elaborate, that drains well would be perfectly acceptable to accept/slow stormwater.
5. Moore Intersection
   - Riverfest, Franklin Terminal & Paladino
   - *Coordinate with Mike Finn to make sure use and maintenance are clearly defined for all parties.
6. AR – Iconic Art areas – limit plants to native
   - nothing high maintenance in need of water
7. BSA - $0.5M – for sewer "Betterment"
   Water -
8. Iconic Elements –
   - Foundations a concern of DPW
   - Materials
   - Maintenance
   - They want little maintenance – can withstand winds, elements, etc., etc.
9. JO – Use term "storm water area" vs. green infrastructure for clarity sake
10. Supply CAD file of Louisiana/Ohio/St. Claire intersection to SG/URS
11. SG was hoping to see if we could mill & overlay small section of
12. Coordinate with SG/URS on bid items to combine St. Claire/Ohio – Bid Package
13. SG to provide front end for Fed Aid to Wendel

wendel

MEETING MINUTES

535 Washington Street, Suite 603
Buffalo, NY 14203

Phone: 716-688-0766
Fax: 716-842-8860

No.006

Project No. **459701**

Project Title: ***Ohio Street Inner Harbor***

Meeting Date: 03/27/13

Location:

Subject: Green Infrastructure

The above minutes represent Wendel Duchscherer's understanding of the major topics discussed. Please provide any additions/deletions to the undersigned within 5 business days of receipt.

Prepared By: Wendel

Signed: Michael F. Leydecker

Dated: 3/28/13

PROPOSED CONDITION:

TOTAL AREA COMBINED = 554,769 SF
12.74 AC.

TOTAL IMP AREA COMBINED = 310,280 SF
7.12 AC.

TOTAL % IMP COMBINED = 56%

EXISTING CONDITION:

TOTAL AREA COMBINED = 554,769 SF
12.74 AC.

TOTAL IMP AREA COMBINED = 450,425 SF
10.34 AC.

TOTAL % IMP COMBINED = 81%

TOTAL IMPERVIOUS AREA REDUCTION = 31%, [(10.34 AC. – 7.12 AC.)/10.34 AC.]
31% > 25%
THEREFORE, WATER QUALITY AND QUANTITY REDUCTION CRITERIA ACHIEVED PER DEC REGULATIONS (STORM WATER DESIGN MANUAL, CHAPT. 9, SECTION B–I)

wendel

☒ **Conference Log**
☐ **Telephone Conference Log via Voice Mail**

Project No.: **N/A** Project Name: **General Questions to NYSDEC**
Originated By (Name): **Timothy J. Zuber, P.E.** Office: ☒ Amherst ☐ Lockport ☐ Albany
Date: **02-25-13** Time: **2:15pm** Place (If Other Than Office):
Contact Name: **William Murray** Phone No.: **851-7070**
Participant: **Timothy Zuber** Firm: **Wendel**
William Murray **NYSDEC – Region 9**

COMMENTS:

A call was initiated with NYSDEC to confirm our understanding of a few items.

ITEM #1: In the SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-10-001), Impervious Area (cover) is defined as "…all impermeable surfaces that cannot effectively infiltrate rainfall." Based on this definition, we agreed that porous asphalt and porous concrete are not impervious as they do allow for the infiltration of water. In addition, we also agreed that areas of porous asphalt/porous concrete would not be counted as impervious area when calculating Water Quality Volume (WQv) or Runoff Reduction Volume (RRv).

ITEM #2: We discussed our mutual understanding of solar panels such as the type installed above grade on one or more pole type supports. We agreed that the panels themselves would not be considered to be impervious area. However, the ground cover beneath the panels would be the governing surface. If the ground cover was standard pavement, sidewalk, compacted stone, etc., that area would be impervious and would require post-construction controls in compliance with the conditions of the General Permit. If the ground cover were vegetated or some other form of pervious surface, that area would be considered pervious and would not require standard post-construction controls.

ACTION REQUIRED:
Proceed with design as discussed.

Signed: **Timothy J. Zuber, P.E.** Date: **02-25-13**
Routing: _____ _____ _____ _____ _____ _____ cc: _____ _____
_____ _____ _____ _____ _____ _____ _____ _____

Ohio Street:

① Existing Conditions

$A = 12.74$ acres

$\%Imp = 81$ (10.34 ac)

$$WQ_{V_{EXISTING}} = \frac{P R_V A}{12}$$ where $P = 0.9"$, $R_V = 0.05 + 0.009 * \%Imp$

$R_V = 0.05 + 0.009(81)$

$R_V = 0.78$

$$WQ_{V_{EXISTING}} = \frac{(0.9)(0.78)(12.74)}{12}$$

$WQ_{V_e} = 0.745$ ac·ft

② Proposed Conditions

A = same as above

$\%Imp = 56$ (7.12 ac)

$$WQ_{V_{PROPOSED}} = \frac{(0.9)(0.55)(12.74)}{12}$$

$R_V = 0.05 + 0.009 * 56$

$R_V = 0.55$

$WQ_{V_{PROP}} = 0.525$ ac·ft

③ $WQ_{V_{REDUCTION}} = WQ_{V_{EXISTING}} - WQ_{V_{PROPOSED}}$

$= 0.745 - 0.525$

$WQ_{V_{REDUCTION}} = 0.22$ ac·ft

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Appendix 7-6: Other Street Projects - Preliminary Water Quality Volume Design Calculations

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Buffalo Sewer Authority
Green Streets Projects (Not Already Designed)
Water Quality Volume Calculations

Green Street Project	Acres	Pre Conditions				Post Conditions				Runoff Reduction (acre-feet)
		I	Rv	P (in)	WQv (acre-feet)	I	Rv	P (in)	WQv (acre-feet)	
Niagara Street	35.8	90	0.86	0.9	2.3091	0	0.05	0.9	0.13425	2.17485
Kensington Avenue	5.5	90	0.86	0.9	0.35475	0	0.05	0.9	0.02063	0.334125
Allen Street	2.5	90	0.86	0.9	0.16125	0	0.05	0.9	0.00938	0.151875
Kenmore Avenue	4.1	90	0.86	0.9	0.26445	0	0.05	0.9	0.01538	0.249075

NOTE: Filmore and Carlton project design calculations included in Appendices 7-2 and 7-4, respectively. Ohio Street project infromation included inAppendix 7-5.

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