		BMP Identification								Design, Constru
	Halana ID	Declarations.	Land Owner	Daniel Barba	Latitude (decimal	Longitude (decimal	Existing SW permit number (if		Part of MS4/ Incorporated into MS4	Cost Estimate
GIS permit number (furthe see 1-1074	1-1074 SN 002	Project Name Fairview Drive/Main St Gravel Wetland	Village	Responsible Party Essex Junction MS4	degrees) 44.49944	-73.09954	applicable)	וו (וו known)	Yes	(optional) \$247,066
2-0289	2-0289	·	Private	Essex Junction MS4	44.43344	-73.09934	2-0289		No	\$247,000
2-0317/2-0952	2-0317/2-0952	Mansfield Brickyard Gravel Wetland	Private	Essex Junction MS4	44.49262	-72 00722	2-0317/2-0952		Yes	\$308,904
1989-INDO 5 Corners N.	4989-INDO	5 Corners North	Essex School D	Essex Junction MS4	44.43202	-73.03732	4989-INDO.R		Yes	\$308,304
Countryside Dr1	2-0155	Countryside Dr Intersection	ROW	Essex Junction MS4			2-0155		Yes	
Grove St.	2-0187	Grove St.	ROW	Essex Junction MS4			2-0187		Yes	
	TAP TA 18(2) Acorn 3	Acorn Circle cul-de-sac retrofit - media filter with specialized media		Essex Junction MS4					Yes	
		Acorn Circle cul-de-sac retrofit - impervious removal	Village	Essex Junction MS4					Yes	
5006-9020.1	6006-9020.1	Taft Street S/N 001	Village	Essex Junction MS4			6006-9020.1		Yes	
5006-9020.1	6006-9020.1	Taft Street S/N 002	Village	Essex Junction MS4			6006-9020.1		Yes	
6653-9010	6653-9010	Village Walk POI 1	Village	Essex Junction MS4			6653-9010		Yes	
6653-9010	6653-9010	Village Walk POI 2	Village	Essex Junction MS4			6653-9010		Yes	
6653-9010	6653-9010	Village Walk POI 3	Village	Essex Junction MS4			6653-9010		Yes	
	EJ-MB-001	Briar Lane cul-de-sac impervious removal	Village	Essex Junction MS4					Yes	\$2,500
	EJ-WR-001	Maplewood Lane cul-de-sac	Village	Essex Junction MS4					Yes	\$49,300
	EJ-WR-038	Tyler Drive, Wilkinson Drive - South St. intersection - retrofit/expan	Village	Essex Junction MS4					Yes	\$168,600
	EJ-WR-019	CB522 Elm St drywell	Village	Essex Junction MS4					Yes	\$12,50
	EJ-WR-018	CB521 Elm St drywell	Village	Essex Junction MS4					Yes	\$23,200
	EJ-WR-020	CB523 Elm and Jackson drywell	Village	Essex Junction MS4					Yes	\$92,600
	EJ-WR-017	CB525 Elm and Jackson drywell	Village	Essex Junction MS4					Yes	\$13,600
	EJ-WR-015	CB533 Jackson and McGregor drywell	Village	Essex Junction MS4					Yes	\$49,300
	EJ-WR-014	CB546 McGregor and Grant drywell	Village	Essex Junction MS4					Yes	\$23,800
	EJ-WR-013	CB532 MCGregor and Jackson drywell	Village	Essex Junction MS4					Yes	\$10,200
	EJ-WR-011	CB535 Grant and Jackson drywell	Village	Essex Junction MS4					Yes	\$11,200
	EJ-WR-009	CB536 Jackson drywell	Village	Essex Junction MS4					Yes	\$20,100
	EJ-WR-012	CB531 Jackson and Wrisley drywell	Village	Essex Junction MS4					Yes	\$11,200
EJ- EJ- EJ-	EJ-WR-010	CB537 Jackson and Grant drywell	Village	Essex Junction MS4					Yes	\$16,900
	EJ-WR-007	CB544 Camp drywell	Village	Essex Junction MS4					Yes	\$6,800
	EJ-WR-006	CB543 Camp drywell	Village	Essex Junction MS4					Yes	\$4,200
	EJ-WR-004	CB541 Camp drywell	Village	Essex Junction MS4					Yes	\$18,600
	EJ-WR-005	CB542 Camp drywell	Village	Essex Junction MS4					Yes	\$14,200
EJ-\ EJ-\	EJ-WR-008	CB538 Camp and Jackson drywell	Village	Essex Junction MS4					Yes	\$14,700
	EJ-WR-002	CB754 and CB755 Oak St drywells	Village	Essex Junction MS4					Yes	\$16,800
	EJ-WR-003	CB756 Oak St drywell	Village	Essex Junction MS4					Yes	\$16,800
3547-9010.R	3547-9010.R	Whitcomb Heights (former 1-1227)	Village	Essex Junction MS4			3547-9010.R		Yes	
	EJ-WR-016	CB534 Jackson and Wrisley drywell	Village	Essex Junction MS4	1				Yes	\$35,600
	EJ-WR-026	Loubier Drive cul de sacs impervious removal	Village	Essex Junction MS4					Yes	\$10,000
	EJ-WR-022	CB90 Loubier Drive drywell	Village	Essex Junction MS4					Yes	\$59,100
	EJ-WR-024	CB92 Loubier Drive drywell	Village	Essex Junction MS4					Yes	\$32,900
	EJ-WR-023	CB91 Loubier Drive drywell	Village	Essex Junction MS4					Yes	\$32,300
	EJ-WR-025	CB757 Loubier Drive drywell	Village	Essex Junction MS4					Yes	\$17,300
	EJ-WR-029	CB1425 Killoran Drive drywell	Village	Essex Junction MS4					Yes	\$29,500
	EJ-WR-027	CB54 and CB55 Killoran Drive drywells	Village	Essex Junction MS4					Yes	\$23,900
	EJ-WR-028	CB56 and CB57 Killoran Drive drywells	Village	Essex Junction MS4					Yes	\$63,100
	EJ-WR-030	Killoran Drive cul de sac impervious removal	Village	Essex Junction MS4					Yes	\$2,500
	EJ-WR-031	CB35 Cascadnac Ave drywell	Village	Essex Junction MS4					Yes	\$31,800
	EJ-WR-032	CB36 Cascadnac Ave drywell	Village	Essex Junction MS4					Yes	\$12,800
	EJ-WR-033	CB37 Cascadnac Ave drywell	Village	Essex Junction MS4					Yes	\$10,900
	EJ-WR-034	CB42 Cascadnac and Owaissa Ave drywell	Village	Essex Junction MS4					Yes	\$16,100
	EJ-WR-035	CB43 Owaissa and Wenonah drywell	Village	Essex Junction MS4					Yes	\$18,700
	EJ-WR-036	CB44 Wenonah Ave drywell	Village	Essex Junction MS4					Yes	\$16,100
	EJ-WR-037	CB706 Wenonah & Owaissa drywell	Village	Essex Junction MS4					Yes	\$12,200
	EJ-WR-021	CB524 Elm and Jackson drywell	Village	Essex Junction MS4					Yes	\$36,200
770 INDC 447	EJ-WR-039 7778-INDS.A1T	Hiawatha Infiltration Gallery Retrofit Crescent Connector	Essex Westford School Dist				7770 INDC 44T		Yes	
778-INDS.A1T	///8-INUS.ATI	Crescent Connector	Village	Essex Junction MS4			7778-INDS.A1T		Yes	

ction and Maintence					Basin Information			BMP Tracking	Specifications						
	Year Planned	Date	Date of last	Maintence			LC TMDL Lake	Eligible for Phosphorus		Impervious	Pervious Entry	Pervious	Pervious	Pervious	Pervious
BMP Status	Construction	Constructed	inspection	needed?	Applicable FRP	LC TMDL Drainage Area	Segment	Credit?	ВМР Туре	area (acres)	Method	HSG A	HSG B	HSG C	HSG D
Complete		10/1/2019	10/1/2019	No	Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Gravel Wetland	3.75	Total Pervious				
Final Design (100%)	2020				Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Extended Dry Detention Pond	14.40	Total Pervious				
Complete		11/5/2020	11/5/2020	No	Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Gravel Wetland	11.39	Total Pervious				
Complete					Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Underground Detention		Total Pervious				
Preliminary Design (<100%)					Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Infiltration Chambers		Total Pervious				
Preliminary Design (<100%)					Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Infiltration Chambers		Total Pervious				
Complete	2021	2022			n/a	Winooski River	Main Lake	Yes	Sand filter (w/ underdrain)	0.704	Total Pervious				4
Complete	2021	2022			n/a	Winooski River	Main Lake	Yes	Impervious removal		By HSG	(0.76	4	0 0
Complete		2016			Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Wet pond/ Created Wetland		Total Pervious				
Complete		2016			Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Wet pond/ Created Wetland		Total Pervious				
Complete		2015			n/a	Winooski River	Main Lake	Yes	Infiltration Basin		Total Pervious				
Complete		2015			n/a	Winooski River	Main Lake	Yes	Infiltration Basin		Total Pervious				
Complete	_	2015			n/a	Winooski River	Main Lake	Yes	Infiltration Basin		Total Pervious		_		
Planned		_			Indian Brook	Malletts Bay Direct Drainage	Malletts Bay	Yes	Impervious removal		By HSG	0.17			0 0
Planned		_			n/a	Winooski River	Main Lake	Yes	Sand filter (w/ underdrain)		By HSG	(0 0.26
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	5.46		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.39			0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.33		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.23			0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.3		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.64		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		B By HSG	0.26			0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.13		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.23			0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.77		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.23		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		B By HSG	0.27		_	
Planned Planned					n/a n/a	Winooski River Winooski River	Main Lake Main Lake	Yes	Infiltration Trench Infiltration Trench		By HSG	0.16		-	0 0
Planned						Winooski River			Infiltration Trench		By HSG	0.16		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes			By HSG	0.10		-	-
Planned					n/a	Winooski River	Main Lake Main Lake	Yes	Infiltration Trench		By HSG	0.42		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.42			0 0
Planned					n/a n/a	Winooski River	Main Lake	Yes	Infiltration Trench Infiltration Trench		B By HSG By HSG	0.24		_	0 0
Complete		10/20/2003			n/a	Winooski River	Main Lake	No	Infiltration Basin		Total Pervious	0.24	+	U	J 0
Planned		10/20/2003			n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.48	2	0	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Impervious removal		By HSG	0.40			0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.13		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		B By HSG	0.89		_	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		B By HSG	0.72		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.75		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.73		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.34			0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.4		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Impervious removal		By HSG	0.50		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		B By HSG	0.17		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.17		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.1	-	-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.19		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.16		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.23		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.2		-	0 0
Planned					n/a	Winooski River	Main Lake	Yes	Infiltration Trench		By HSG	0.27		-	0 0
Preliminary Design (<100%)					n/a	Winooski River	Main Lake	Yes	Infiltration Chambers		By HSG	20.88		1	1
Under Construction	2024	1			n/a	Winooski River	Main Lake	No	Sand filter (w/ underdrain)		Total Pervious	20.00			
	2024				.,,		zakc	1.0	Table (iii) diderarani)	0.010			T		
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			Phosphorus Ca	lculations										Drainage Area Pri	or to Upgrade		
			* Load Defens			Dougout of			Manual P	la Abia au	Door the unerede						
Total Pervious	Storage	Infiltration	* Load Before Treatment	* Storage Depth	Upper Efficiency	Percent of Storage	* Practice	* P Reduction		Is this an upgrade to an	Does the upgrade changed the		* P Credit	Prior Impervious	Pervious Entry		
area (acres)		rate (in/hr)		(inches)	Lower Efficiency	_		(kg/year)	(kg/yr)		drainage area?	% Credit to MS4		area (acres)	Method 2	HSG A	HSG B
18.77			3.32	1.15			62.19%	2.06		No		100%	2.06				
33.81	161,433		12.29	1.54	0.01		13.08%	1.61				100%	1.61				
6.28			9.47 11.66	1.40	0.04		64.18%	6.08				100%	6.08				
17.00 3.30	11,892	0.17 in/hr	11.65	0.22 0.54	0.02 0.16		6.18% 68.05%	0.72 1.12				100%	0.72 1.12				
14.68		8.27 in/hr	7.37	0.06	0.50		31.16%	2.30				100%	2.30				
1.102			1.04	0.99	0.05		52.66%	0.55	0.94	No		100%	0.94				
		0.52 in/hr	1.36	0.00		0.00			0.03			100%	0.03				
1.02			0.41	1.19	0.05		54.88%	0.22		No		100%	0.22				
0.96		2.44 :- //	0.46	0.77	0.04		47.39%	0.22		No		100%	0.22				
6.22 1.23		2.41 in/hr 2.41 in/hr	5.15 0.99	1.31 2.00	0.02	0.62	99.24% 100.00%	5.11 0.99		No No		100%	5.11 0.99				
0.96		2.41 in/hr	0.58	2.00			100.00%	0.58		No		100%	0.58				
0		2.41 in/hr	0.14	0.00		0.00			0.14			100%	0.14				
	2,142		1.01	0.85	0.05	0.27	49.36%	0.50				100%	0.50				
		8.27 in/hr	8.89	0.97	0.01		99.83%	8.87				100%	8.87				
		2.41 in/hr	0.19	1.00	0.02		98.00%	0.18				100%	0.18				
		2.41 in/hr	0.36	0.97	0.02 0.01		97.72% 99.77%	0.36 1.49				100%	0.36				
		8.27 in/hr 2.41 in/hr	0.21	0.95 0.99	0.01		97.86%	0.20				100%	0.20				
		2.41 in/hr	0.77	0.97	0.02		97.71%	0.20				100%	0.75				
		2.41 in/hr	0.37	0.97	0.02		97.68%	0.37				100%	0.37				
	506	2.41 in/hr	0.16	0.97	0.02	0.85	97.71%	0.16				100%	0.16				
		2.41 in/hr	0.17	0.98	0.02		97.81%	0.17				100%	0.17				
		2.41 in/hr	0.29	1.01	0.02		98.04%	0.29				100%	0.29				
		2.41 in/hr 2.41 in/hr	0.17	0.98 0.98	0.02		97.81% 97.76%	0.17 0.26				100%	0.17				
		2.41 in/hr	0.20	0.99	0.02		97.76%	0.26				100%	0.10				
		2.41 in/hr	0.06	1.02	0.02		98.10%	0.06				100%	0.06				1
		2.41 in/hr	0.29	0.96	0.02		97.64%	0.29				100%	0.29				
		2.41 in/hr	0.23	0.96	0.02		97.62%	0.22				100%	0.22				
		2.41 in/hr	0.22	1.00	0.02		97.96%	0.22				100%	0.22				
		8.27 in/hr	0.26	0.97	0.01		99.87%	0.26				100%	0.26				
18.4		8.27 in/hr 2.41 in/hr	0.26 10.73	0.97 0.27	0.01 0.20		99.87% 73.51%	0.26 7.89		No		100%	0.26 7.89				
10.4		8.27 in/hr	0.56	0.97	0.20		99.86%	0.56		No		100%	0.56				
		2.41 in/hr	0.22	0.00	0.01	0.00	33.0070	0.50	0.21			100%	0.21				
		8.27 in/hr	0.92	0.97	0.01		99.87%	0.92		No		100%	0.92				
		8.27 in/hr	0.50	0.99	0.01		99.97%	0.50		No		100%	0.50				
		8.27 in/hr	0.49	0.99	0.01		99.93%	0.49		No		100%	0.49				
		8.27 in/hr	0.25	1.02	0.00		100.00%	0.25		No		100%	0.25				
		8.27 in/hr 8.27 in/hr	0.46	0.97 1.02	0.01		99.84% 100.00%	0.46 0.36		No No		100% 100%	0.46				
		8.27 in/hr	1.04	0.93	0.00		99.64%	1.03		No		100%	1.03				
	5,25 .	8.27 in/hr	0.06	0.00	0.01	0.00	22.2170	1.00	0.06			100%	0.06				
	1,586	8.27 in/hr	0.48	1.00	0.00		100.00%	0.48		No		100%	0.48				
		8.27 in/hr	0.16	1.20	0.00		100.00%	0.16		No		100%	0.16				
		2.41 in/hr	0.13	1.26	0.02		99.05%	0.13		No		100%	0.13				
		2.41 in/hr	0.22	1.12	0.02		98.50%	0.21		No		100%	0.21				
		2.41 in/hr 2.41 in/hr	0.26	1.09 1.12	0.02		98.37% 98.48%	0.26 0.21		No No		100% 100%	0.26				
		2.41 in/hr	0.22	1.12	0.02		98.99%	0.21		No		100%	0.21				
		8.27 in/hr	0.58	0.96			99.81%	0.57		No		100%	0.57				
20.88		8.27 in/hr	13.50	0.33	0.19		87.72%	11.84		No		100%					
0.279			0.75	0.65	0.04	0.24	44.95%	0.34		No		100%					
												100%			1		
												100%					
												100%					
												100%					
												100%					
												100%					
												100%					

			BMP Specifications Prior to U	pgrade								
sg c	HSG D	Total Pervious Area	BMP type prior to upgrade	Previous storage volume (ft ³)	Infiltration rate prior to upgrade (in/hr)	* Prior Load Before Treatment (kg/acre/year)		Upper Efficiency - Lower Efficiency4	Percent of Storage	* Prior Practice Efficiency	* Estimated P removal of Prior Practice (kg/yr)	Manual P Reduction - Prior Practice (kg/yr)
,,,,,	IISG D	Arcu	Divir type prior to approac	voidine (it)	(,)	(ng/ucic/ycur)	0.00	Lower Emciency	0.00		Tructice (kg/yi/	Tructice (Rg/ yr)
							0.00		0.00			
							0.00		0.00			
							0.00		0.00			
							0.00		0.00			
							0.00		0.00			
							0.00		0.00			
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NOTES/ASSUMPTIONS	Unique DI	Draiget Nama
Gravel Wetland installed late summer 2019		Project_Name Fairview Drive/Main St Gravel Wetland
	2-0289	
Retrofit outlet structure and armor spillway. Brickyard: Proposed retrofit of existing detention area with newoutlet s		Countryside Cluster Homes A,B,C and Essex Parks East and West
Meeting VT 2002 Stormwater Design Standards		5 Corners North
Weeting V1 2002 Stormwater Design Standards	2-0155	Countryside Dr Intersection
	2-0133	Grove St.
undated for 2022 construction by ANIA 2/47/2022		
updated for 2022 construction by ANM, 3/17/2023		Acorn Circle cul-de-sac retrofit - media filter with specialized media Acorn Circle cul-de-sac retrofit - impervious removal
		Taft Street S/N 001
		Taft Street S/N 002
Kiln Rd there is a cul de sac but this area is already managed with infil		Village Walk POI 1
Kiln Rd there is a cul de sac but this area is already managed with infil		Village Walk POI 2
Kiln Rd there is a cul de sac but this area is already managed with infil		Village Walk POI 3
Killi Ku tilele is a cui de sac but tilis alea is alleady ilialiaged with lilli	EJ-MB-001	Briar Lane cul-de-sac impervious removal
	EJ-WB-001 EJ-WR-001	Maplewood Lane cul-de-sac
	EJ-WR-001	Tyler Drive, Wilkinson Drive - South St. intersection - retrofit/expand
	EJ-WR-019 EJ-WR-018	CB522 Elm St drywell CB521 Elm St drywell
	EJ-WR-018	CB523 Elm and Jackson drywell
	EJ-WR-020	CB525 Elm and Jackson drywell
	EJ-WR-017 EJ-WR-015	CB533 Jackson and McGregor drywell
	EJ-WR-013	CB546 McGregor and Grant drywell
	EJ-WR-014 EJ-WR-013	CB532 MCGregor and Jackson drywell
	EJ-WR-013	CB535 Grant and Jackson drywell
	EJ-WR-009	CB536 Jackson drywell
	EJ-WR-003	CB531 Jackson and Wrisley drywell
	EJ-WR-012	CB537 Jackson and Grant drywell
	EJ-WR-017	CB544 Camp drywell
	EJ-WR-007	CB543 Camp drywell
	EJ-WR-004	CB543 Camp drywell
	EJ-WR-005	CB542 Camp drywell
	EJ-WR-008	CB538 Camp and Jackson drywell
	EJ-WR-002	CB754 and CB755 Oak St drywells
	EJ-WR-002	CB756 Oak St drywell
		Whitcomb Heights (former 1-1227)
	EJ-WR-016	CB534 Jackson and Wrisley drywell
	EJ-WR-026	Loubier Drive cul de sacs impervious removal
	EJ-WR-020	CB90 Loubier Drive drywell
	EJ-WR-024	CB92 Loubier Drive drywell
	EJ-WR-023	CB91 Loubier Drive drywell
	EJ-WR-025	CB757 Loubier Drive drywell
	EJ-WR-029	CB1425 Killoran Drive drywell
	EJ-WR-027	CB54 and CB55 Killoran Drive drywells
	EJ-WR-027	CB54 and CB57 Killoran Drive drywells
	EJ-WR-030	Killoran Drive cul de sac impervious removal
	EJ-WR-031	CB35 Cascadnac Ave drywell
	EJ-WR-032	CB36 Cascadnac Ave drywell
	EJ-WR-033	CB37 Cascadnac Ave drywell
	EJ-WR-033	CB42 Cascadnac and Owaissa Ave drywell
	EJ-WR-035	CB43 Owaissa and Wenonah drywell
	EJ-WR-036	CB44 Wenonah Ave drywell
	EJ-WR-037	CB706 Wenonah & Owaissa drywell
	EJ-WR-021	CB524 Elm and Jackson drywell
	EJ-WR-021	Hiawatha Infiltration Gallery Retrofit
		Thewaria initiation Gallery Netront

7778-INDS.A1 Crescent Connector

Permit taken over by town

Group_ID Project_Description Comments Project_Benefits

Remove paved road remaini Just north of the Winooski-Malletts Bay watershed bo

Cul de sac and impervious re Soils finely textured, assume sand/enhanced filter. Cu Wilkinson-: Retrofit existing grass chann High-priority retrofit - limite Adjacent to multi-use pa Elm Street Elm Street Elm Street Elm Street Install subsurface drywells ir Street is uncurbed with no s Opportunity to apply a c Jackson Street Jackson Street Jackson Street Jackson Street Jackson Str Install subsurface drywells ir Street is uncurbed with no s Opportunity to apply a c Jackson Street Jackson Street Camp Street Camp Street Camp Stret Install subsurface drywells ir Street is uncurbed with no s Opportunity to apply a c Camp Street Camp Street Oak Street Install subsurface drywells ir Two sets of catch-basins along this street, but no cul-Oak Street Jackson Street Loubier Dri Install subsurface drywells ir Two cul-de-sacs exist along this street, the road was Loubier Drive Loubier Drive Loubier Drive Loubier Drive Killoran Dri Install subsurface drywells in existing catchbasin footprints, or retain catchbasins Loubier Drive Killoran Drive Killoran Drive Cascadnac Install subsurface drywells ir Opportunity to apply a distributed, "invisible green ir Cascadnac-Owaissa Cascadnac-Owaissa Cascadnac-Owaissa Cascadnac-Owaissa

Cascadnac-Owaissa Cascadnac-Owaissa Elm Street Next_Steps Dominant_Class_HSG Total_drainage_area_acres

pundary. Low priority.	Developed Pervious - A	0.34
Jiverted stream crossing under cul-de-sac. Cul-de-sac is 65' diameter; impervious removal may not be feasible in terms of emergency vehicle access/turning radii.	Developed Pervious - B	1.72
Soil borings to confirm subsurface conditions, confirm utility constraints, advance conceptual design	Developed Pervious - A	13.32
	Developed Pervious - A	0.55
	Developed Pervious - A	0.63
	Developed Pervious - A	1.56
Soil borings to confirm subsurface conditions, confirm utility constraints, advance conceptual design	Developed Pervious - A	0.48
	Developed Pervious - A	1.32
	Developed Pervious - A	0.59
	Developed Pervious - A	0.27
	Developed Pervious - A	0.36
Soil borings to confirm subsurface conditions, confirm utility constraints, advance conceptual design	Developed Pervious - A	1.02
	Developed Pervious - A	0.36
	Developed Pervious - A	0.5
	Developed Pervious - A	0.25
	Developed Pervious - A	0.25
Soil borings to confirm subsurface conditions, confirm utility constraints, advance conceptual design	Developed Pervious - A	0.42
	Developed Pervious - A	0.3
	Developed Pervious - A	0.61
Soil borings to confirm subsurface conditions, confirm utility constraints, advance conceptual design	Developed Pervious - A	0.47
	Developed Pervious - A	0.47
	Developed Pervious - A	0.97
Soil borings to confirm subsurface conditions, confirm utility constraints, advance conceptual design	Developed Pervious - A	0.38
	Developed Pervious - A	1.69
	Developed Pervious - A	1.32
	Developed Pervious - A	1.15
	Developed Pervious - A	0.96
Soil borings to confirm subsurface conditions, confirm utility constraints, advance conceptual design	Developed Pervious - A	0.73
	Developed Pervious - A	0.75
	Developed Pervious - A	1.87
	Developed Pervious - A	0.05
Soil borings to confirm subsurface conditions, confirm utility constraints, advance conceptual design	Developed Pervious - A	0.6
	Developed Pervious - A	0.31
	Developed Pervious - A	0.31
	Developed Pervious - A	0.38
	Developed Pervious - A	0.39
	Developed Pervious - A	0.4
	Developed Pervious - A	0.23
	Developed Pervious - A	0.78

0.17	50.00%	\$14,706	\$17,857
1.12	34.88%	\$82,167	\$98,883
5.46	59.01%	\$21,450	\$19,000
0.39	29.09%	\$78,125	\$68,385
0.31	50.79%	\$72,500	\$65,290
0.23	85.26%	\$69,624	\$62,282
0.3	37.50%	\$75,556	\$67,119
0.64	51.52%	\$72,500	\$65,325
0.26	55.93%	\$72,121	\$65,182
0.13	51.85%	\$72,857	\$65,663
0.21	41.67%	\$74,667	\$66,674
0.77	24.51%	\$80,400	\$69,578
0.21	41.67%	\$74,667	\$66,674
0.27	46.00%	\$73,478	\$65,904
0.16	36.00%	\$75,556	\$66,975
0.2	20.00%	\$84,000	\$71,535
0.16	61.90%	\$71,538	\$64,877
0.1	66.67%	\$71,000	\$64,538
0.42	31.15%	\$77,368	\$68,015
0.24	48.94%	\$73,043	\$64,279
0.24	48.94%	\$73,043	\$64,279
0.48	50.52%	\$72,653	\$64,011
0.19	50.00%	\$52,632	\$47,619
0.88	47.93%	\$72,963	\$64,157
0.89	32.58%	\$76,512	\$66,071
0.72	37.39%	\$75,116	\$65,337
0.75	21.88%	\$82,381	\$69,319
0.32	56.16%	\$71,951	\$63,630
0.44	41.33%	\$77,097	\$67,311
0.96	48.66%	\$69,341	\$61,144
0	100.00%	\$50,000	\$41,667
0.17	71.67%	\$73,953	\$65,742
0.17	45.16%	\$91,429	\$80,110
0.2	35.48%	\$99,091	\$86,740
0.19	50.00%	\$84,737	\$75,664
0.16	58.97%	\$81,304	\$73,085
0.21	47.50%	\$84,737	\$75,536
0.1	56.52%	\$93,846	\$83,724
0.27	65.38%	\$70,980	\$63,068

BMP Ident	ification								Maintenace
					Latitude	Longitude	Previous SW	Part of MS4/	
					(decimal	(decimal	permit number (if	f Incorporated	Date of last
Unique ID	Project Name	STP	Land Owner	Responsible Party	degrees)	degrees)	applicable)	into MS4	inspection
Village	5 Corners North Vortech Unit		Essex Junction MS4	Essex Junction MS4	44.49403	-73.10681	4989-INDO	Yes	June 20:
	Hawthorn Circle Stormwater Pond		Essex Junction MS4	Essex Junction MS4	44.49541	-73.09774	7024-9014.A	Yes	June 20:
	Hawthorn Circle Vortech Unit		Essex Junction MS4	Essex Junction MS4	44.49566	-73.09777	7024-9014.A	Yes	June 20:
	Whitcomb Combined Dry Swale South St		Essex Junction MS4	Essex Junction MS4	44.48755	-73.13209	3547-9010.R	Yes	June 201
	Upland/Drury Vortech Unit Brookside Ave		Essex Junction MS4	Essex Junction MS4	44.49521	-73.10668	4128-INDO	Yes	June 201
	Whitcomb Combined Stormwater Pond Dunbar Rd		Essex Junction MS4	Essex Junction MS4	44.48459	-73.13055	3547-9010.R	Yes	June 201
	Whitcomb Combined Stormwater Pond Ketchum Rd		Essex Junction MS4	Essex Junction MS4	44.47841	-73.12725	3547-9010.R	Yes	June 201
Taura	Lana Farma Dancel I	Detection have and adjunctation have	Taura	Essex Town MS4	44.495162	72 001000	3575-9010.R	Vac	Summer 2019
Town	Lang Farm, Parcel I	Detention berm and sedimentation basin	Town	Essex Town MS4	44.493162		3575-9010.R . 3577-9010.R	Yes	Summer 2019
	Lang Farm, Parcel H Meadows Edge	30' Type I stone-lined ditch & 65' Type II grass-lined swa Grassed drainage swales & detention basin	Town	Essex Town MS4	44.493454		3324-9010.R	Yes	Summer 2019
	inicadows Luge	Grassed drainage swares & determion basin	Town	LSSEX TOWIT WISH	44.317434	-73.002103	3324-3010.IX	ies	Juliller 2019
	Forestdale	Settling tanks & an infiltration basin	Town	Essex Town MS4	44.489061	-73.055539	3574-9010.R	Yes	Summer 2019
	Perkins Bend	Grass-lined swale & underground detention structure	Town	Essex Town MS4	44.485388	-73.071100	3081-9010.R	Yes	Summer 2019
	Pinewood	Grassed Swales & special sedimentation removal catch	Town	Essex Town MS4	44.487839	-73.070893	3578-9010.R	Yes	Summer 2019
	Heritage Phase II	Stone filled trench & grass-lined swales	Town	Essex Town MS4	44.511425	-73.07924	3581-9010.R	Yes	Summer 2019
	Old Stage Village	Grass-lined swales	Town	Essex Town MS4	44.513758	-73.074400	3579-9010.R	Yes	Summer 2019
	Rivers Bend	Existing natural drainageway (with deeded easement)	Town	Essex Town MS4	44.483530		3580-9010.R	Yes	Summer 2019
	Pinewood, Section G	Detention basin	Town	Essex Town MS4	44.489699		3201-9010.R	Yes	Summer 2019
	Saybrook	Grassed swales	Town	Essex Town MS4	44.506794		3267-9010.R	Yes	Summer 2019
	Autumn Knoll	Grass swales, ditching, and detention basin	Town	Essex Town MS4	44.511078		4367-9010.R	Yes	Summer 2019
	Rec Pool Complex	Stone-lined ditching	Town	Essex Town MS4	44.507363	-73.055999	3996-9010.R	Yes	Summer 2019
	Colbert Street Treatment System	Vortechs Model 4000 stormwater swirl concentrator	Town	Essex Town MS4	44.510981	-73.127807	5710-INDO.R	Yes	Summer 2019
	Kellogg Road	Controlled outlet structure and stabilized channel	Town	Essex Town MS4	44.511006	-73.140399	5944-INDO	Yes	Summer 2019
	Police Station	Bioretention facility	Town	Essex Town MS4	44.483512	-73.097151	7002-9015	Yes	Summer 2019
	United States Postal Service	Drainage swales (UPGRADE)	USPS	Essex Town MS4	44.507162	-73.078575		Yes	Summer 2019
	Ewing Place (Lot 3)	Grass-lined swale	Ewing Place LLC	Essex Town MS4	44.507187			Yes	Summer 2019
	Ewing Place (Susie Wilson Rd - Lot 2)	Grassed and stone-lined drainage swales	Ewing Place LLC	Essex Town MS4	44.507044	-73.136202	1-0619 2-0634	Yes	Summer 2019
	Ewing Place (Lot 1)	Drainage swale	Ewing Place LLC	Essex Town MS4	44.507042	-73.136613	1-0694	Yes	Summer 2019
	Ewing Place (Lot 4)	Grass-lined swale	Ewing Place LLC	Essex Town MS4	44.507437			Yes	Summer 2019
	Ewing Place (Lot 5)	Storm drainage system consisting of dry well catch basis	_	Essex Town MS4	44.507859	-73.138283		Yes	Summer 2019
	Ewing Place (Susie Wilson Rd)	Storm drainage system consisting of dry well catch basis		Essex Town MS4	44.506823	-73.136234		Yes	Summer 2019
	Town Market Place	Series of catch basins; via 18" pipe to rip-rapped drainage		Essex Town MS4	44.507545			Yes	Summer 2019
	Town Market Place	Overland flow across grassed terrain	Towne Market Place LLC	Essex Town MS4	44.507313			Yes	Summer 2019
	Essex Outlets	Detention basin	Eurowest Retail Partners L	l Essex Town MS4	44.505705	-73.080697	1-0775	Yes	Summer 2019
	Essex Outlets	Detention basin	Eurowest Retail Partners L	l Essex Town MS4	44.505947	-73.083503	1-0775 2-0613	Yes	Summer 2019
	Essex Outlets	Detention basin	Hannaford Brothers LLC	Essex Town MS4	44.506363	-73.084832	1-1307	Yes	Summer 2019
	Woodlands I	Storm drainage system consisting of catch basins and ur	Town	Essex Town MS4	44.500341	-73.076811	1-0667	Yes	Summer 2019
	Woodlands II	Storm drainage system consisting of catch basins and ur	Town	Essex Town MS4	44.495162	-73.081988	1-1186	Yes	Summer 2019
	Kimberly Drive	Pipe discharge through a headwall	Town	Essex Town MS4	44.503103	-73.129354	1-0250	Yes	Summer 2019
	David Drive	Storm drainage system to a stone-lined ditch	Town	Essex Town MS4	44.508291	-73.135909	1-0896	Yes	Summer 2019
	The LDS Church	Detention basin #1	LDS Church	Essex Town MS4	44.501314	-73.081882	1-1319	Yes	Summer 2019
		Detention basin #2	LDS Church	Essex Town MS4	44.500378	-73.082437	1-1319	Yes	Summer 2019
	Links at Lang Farm	Grassed swale to a vegetated wetland	Why Not LLC	Essex Town MS4	44.503040	-73.082839	1-1371	Yes	Summer 2019
	The Commons	Constructed wetland	The Commons	Essex Town MS4	44.497978	-73.083084	1-1381	Yes	Summer 2019
		Storm drainage system consisting of a catch basin syste	The Commons	Essex Town MS4	44.499480			Yes	Summer 2019
	VT Systems, Inc.	Detention basin	VT Systems, Inc.	Essex Town MS4	44.506633		1-1463	Yes	Summer 2019
								Yes	Summer 2019
	Baymont Inn & Suites	Storm drainage system consisting of catch basins and pi	Handy's Hotel and Rentals	Essex Town MS4	44.506184	-/3.135441	1-1430	162	Julillici 2013
		Storm drainage system consisting of catch basins and pi Stormwater infiltration system	Handy's Hotel and Rentals Town	Essex Town MS4 Essex Town MS4	44.506184 44.504992			Yes	Summer 2019
	Baymont Inn & Suites			Essex Town MS4		-73.123547	2-0633		
	Baymont Inn & Suites Shillingford Crossing	Stormwater infiltration system	Town	Essex Town MS4	44.504992	-73.123547 -73.134696	2-0633 1-1143	Yes	Summer 2019

Maintence needed?
cleaning, completed in Aug 2019
None
cleaning, completed in Aug 2019
Regularly mowed by PW during summer months
cleaning, completed in Aug 2019
None None
Notice
No maintenance needed, but retrofit planned for 2020
as part of Indian Brook FRP.
No
No
Yes - pond completely washed out and will need to be
upgraded. Emailed Christy in Jan 2020 about this basin
No
No
No
Yes - swales need to be re-established. Scheduled to b
completed this year.
No
No immediate maintenance needed, but there is some
erosion present along the bank. A conceptual plan wa
developed to retrofit these outlets. The plan is to app
for grants.
No immediate maintenance needed, but there is some
erosion present along the bank. A conceptual plan wa
developed to retrofit these outlets. The plan is to applion for grants.
No
No .
No .
No .
No
Yes - vegetation needs to be cleared. Will work with
property owner to address maintenance this year.
, , , , , , , , , , , , , , , , , , ,
Yes - vegetation needs to be cleared. Will work with
property owner to address maintenance this year.
property annual to dudices manner and call year.
Yes - vegetation needs to be cleared. Will work with
property owner to address maintenance this year.
No
No - See Lang Farm Parcel I above
No - See Lang Farm Parcert above
No .
No
No .
No .
No No
No
No
No No
No No
No



					Owned by MS4			
	Permit #	System Name	STP	Location	STP	System Name	Location	Permit #
	3575-9010.R	Lang Farm, Parcel I	Detention berm and sedimentation basin					
	3577-9010.R	Lang Farm, Parcel H	30' Type I stone-lined ditch & 65' Type II grass-lined swale					
	3324-9010.R	Meadows Edge	Grassed drainage swales & detention basin		Retention Pond	Meadow's Edge	Clover Drive	3324-9010.R
	3574-9010.R	Forestdale	Settling tanks & an infiltration basin		Retention Pond	Saxonhollow Drive Pond	Saxonhollow Drive	3574-9010.R
	2004 0040 0		Grass-lined swale & underground detention structure		Swirl Separator	Pinewood Drive	Pinewood Dr/Riverview Dr	3081-9010.R
ate	3081-9010.R	Perkins Bend			Stormwater Pond		Pinewood Dr/Riverview Dr	3081-9010.R
Applied to Incorporate	3578-9010.R	Pinewood	Grassed Swales & special sedimentation removal catch basins				,	
or o	3581-9010.R	Heritage Phase II	Stone filled trench & grass-lined swales		Retention Pond	Craftsbury Court	Craftsbury Court	3581-9010.R
2			Grass-lined swales			,	,	
5	3580-9010.R	Rivers Bend	Existing natural drainageway (with deeded easement)					
lied	3201-9010	Pinewood, Section G	Detention basin					
d,	3267-9010.1R	Saybrook	Grassed swales		Stormwater Pond	Savbrook Road	Saybrook Rd	3267-9010.R
٩	4367-9010.R	Autumn Knoll	Grass swales, ditching, and detention basin		Retention Pond	Autumn Knoll	Irene Ave	4367-9010.R
	3996-9010.R	Rec Pool Complex	Stone-lined ditching		Neterition i ond	Addin Kion	irene Ave	4307 3010.K
	5710-INDO.R	Colbert Street Treatment System	Vortechs Model 4000 stormwater swirl concentrator		Swirl Separator	Colbert Street Swirl Separator	Colbert St and Abare Ave	5715-INDO.R
	5944-INDO	Kellogg Road	Controlled outlet structure and stabilized channel		Retention Pond	Kellogg Road Retention Pond	Kellog Rd	5944-INDO.R
	7002-9015	Police Station			Retention Pond	Kellogg Koau Keterition Ponu	Kellog Ku	3944-INDO.K
			Bioretention facility Displayers supply (LIDCRADE)					
	1-0491	United States Postal Service	Drainage swales (UPGRADE)	Fusing DI				
	1-0518	Ewing Place (Lot 3)	Grass-lined swale	Ewing Place				
	1-0619		Grassed and stone-lined drainage swales	Ewing Place				
	1-0694	Ewing Place (Lot 1)	Drainage swale	Ewing Place				
	1-0761	Ewing Place (Lot 4)	Grass-lined swale	Ewing Place				
	1-0965	Ewing Place	Storm drainage system consisting of dry well catch basins	Ewing Place				
	2-0634	Ewing Place (Susie Wilson Rd)	Storm drainage system consisting of dry well catch basins	Ewing Place				
	2-0925	Town Market Place	Series of catch basins; via 18" pipe to rip-rapped drainage ditch	Market Place				
	1-0552	Town Market Place	Overland flow across grassed terrain	Pearl Street				
	1-0775	Essex Outlets	Detention basin	Rte 15	Retention Pond	Essex Outlets	Essex Outlets Shopping Center	7025-9014.A
	2-0613	Essex Outlets	Detention basin	Rte 15	Retention Pond	Essex Outlets	Essex Outlets Shopping Center	7025-9014.A
	1-1307	Essex Outlets	Detention basin	Rte 15	Retention Pond	Essex Outlets	Essex Outlets Shopping Center	7025-9014.A
				Lang Drive			0	
				Hagan Drive				
			Storm drainage system consisting of catch basins and underdrain	Lida Drive				
_			stone trenches that outlet to a drainage swale	Repa Drive				
ted	1-0667	Woodlands I		Essex Way				
Already Incorporated	1 0007	Weddianasi		Sydney Drive				
ğ			Storm drainage system consisting of catch basins and underdrain	Bashaw Drive				
2	1-1186	Woodlands II	stone trenches that outlet to a drainage swale	Debra Drive				
ş	1-0250	Kimberly Drive	Pipe discharge through a headwall	Kimberly Drive				
ea	1-0250	David Drive	Storm drainage system to a stone-lined ditch	David Drive				
₹	1-1319	The LDS Church	Detention basin #1	Essex Way	Stormwater Daniel	LDS Church Pond	Essex Way	7025-9014.A
	1-1313	THE EDS CHUICH	Detention basin #1 Detention basin #2					
	1 1271	Links at Laws France		Essex Way		LDS Church Pond	Essex Way	7025-9014.A
	1-1371	Links at Lang Farm	Grassed swale to a vegetated wetland	Essex Way		Sydney Drive Pond	Sydney Drive	7025-9014.A
	1-1381	The Commons	Detention basin	Essex Way	Stormwater Pond	The Commons	Essex Way	7025-9014.A
	1.1152	1.00 t	Constructed wetland	Essex Way	Stormwater Pond		Essex Way	7025-9014.A
	1-1463	VT Systems, Inc.	Storm drainage system consisting of a catch basin system to a drywell	Market Place	Detention Pond	Baymont Inn Pond	Susie Wilson Rd	7025-9014.A
	1-1496	Baymont Inn & Suites	Detention basin	Susie Wilson Road				
				Devon Hill Court				
				Southdown Court				
			Storm drainage system consisting of catch basins and pipes that	Hampshire Court				
			outlet to a drainage swale	Dartmoor Court				
				Suffolk Lane				
				Suntik Lane				
	2-0633	Shillingford Crossing						
	1-1143	The Edge	Stormwater infiltration system	Gauthier Drive				
	2-1045	Pearl Street Park	Overland flow across grassed terrain	Pearl Street				
					Retention Pond	Highway Garage Pond	Sand Hill Road	7025-9014.A

Practice Type	Infiltration Rate		0.00	0.10	0.20	0.40	0.60	0.80	1.00	1.50	2.00
Extended Dry Detention Pond		Extended Dry Detention Pond	0%	3%	6%	8%	9%	11%	12%	13%	14%
Bioretention (infiltrating)	8.27 in/hr	Bioretention (infiltrating) 8.27 in/hr	0%	59%	81%	96%	99%	100%	100%	100%	100%
Bioretention (infiltrating)	2.41 in/hr	Bioretention (infiltrating) 2.41 in/hr	0%	46%	67%	87%	94%	97%	98%	100%	100%
Bioretention (infiltrating)	1.02 in/hr	Bioretention (infiltrating) 1.02 in/hr	0%	41%	60%	81%	90%	94%	97%	99%	100%
Bioretention (infiltrating)	0.52 in/hr	Bioretention (infiltrating) 0.52 in/hr	0%	38%	56%	77%	87%	92%	95%	98%	99%
Bioretention (infiltrating)	0.27 in /hr	Bioretention (infiltrating) 0.27 in /hr	0%	37%	54%	74%	85%	90%	93%	98%	99%
Bioretention (infiltrating)	0.17 in/hr	Bioretention (infiltrating) 0.17 in/hr	0%	35%	52%	72%	82%	88%	92%	97%	99%
Bioretention (w/ underdrain)		Bioretention (w/ underdrain)	0%	14%	25%	37%	44%	48%	53%	58%	63%
Dry Swale (infiltrating)	8.27 in/hr	Dry Swale (infiltrating) 8.27 in/hr	0%	59%	81%	96%	99%	100%	100%	100%	100%
Dry Swale (infiltrating)	2.41 in/hr	Dry Swale (infiltrating) 2.41 in/hr	0%	46%	67%	87%	94%	97%	98%	100%	100%
Dry Swale (infiltrating)	1.02 in/hr	Dry Swale (infiltrating) 1.02 in/hr	0%	41%	60%	81%	90%	94%	97%	99%	100%
Dry Swale (infiltrating)	0.52 in/hr	Dry Swale (infiltrating) 0.52 in/hr	0%	38%	56%	77%	87%	92%	95%	98%	99%
Dry Swale (infiltrating)	0.27 in /hr	Dry Swale (infiltrating) 0.27 in /hr	0%	37%	54%	74%	85%	90%	93%	98%	99%
Dry Swale (infiltrating)	0.17 in/hr	Dry Swale (infiltrating) 0.17 in/hr	0%	35%	52%	72%	82%	88%	92%	97%	99%
Dry Swale (w/ underdrain)		Dry Swale (w/ underdrain)	0%	14%	25%	37%	44%	48%	53%	58%	63%
Gravel Wetland		Gravel Wetland	0%	19%	26%	41%	51%	57%	61%	65%	66%
Infiltration Chambers	8.27 in/hr	Infiltration Chambers 8.27 in/hr	0%	50%	75%	94%	98%	99%	100%	100%	100%
Infiltration Chambers	2.41 in/hr	Infiltration Chambers 2.41 in/hr	0%	33%	55%	81%	91%	96%	98%	100%	100%
Infiltration Chambers	1.02 in/hr	Infiltration Chambers 1.02 in/hr	0%	27%	47%	73%	86%	92%	96%	99%	100%
Infiltration Chambers	0.52 in/hr	Infiltration Chambers 0.52 in/hr	0%	23%	42%	68%	82%	89%	94%	98%	99%
Infiltration Chambers	0.27 in /hr	Infiltration Chambers 0.27 in /hr	0%	20%	37%	63%	78%	86%	92%	97%	99%
Infiltration Chambers	0.17 in/hr	Infiltration Chambers 0.17 in/hr	0%	18%	33%	57%	73%	83%	90%	97%	99%
Infiltration Trench	8.27 in/hr	Infiltration Trench 8.27 in/hr	0%	50%	75%	94%	98%	99%	100%	100%	100%
Infiltration Trench	2.41 in/hr	Infiltration Trench 2.41 in/hr	0%	33%	55%	81%	91%	96%	98%	100%	100%
Infiltration Trench	1.02 in/hr	Infiltration Trench 1.02 in/hr	0%	27%	47%	73%	86%	92%	96%	99%	100%
Infiltration Trench	0.52 in/hr	Infiltration Trench 0.52 in/hr	0%	23%	42%	68%	82%	89%	94%	98%	99%
Infiltration Trench	0.27 in /hr	Infiltration Trench 0.27 in /hr	0%	20%	37%	63%	78%	86%	92%	97%	99%
Infiltration Trench	0.17 in/hr	Infiltration Trench 0.17 in/hr	0%	18%	33%	57%	73%	83%	90%	97%	99%
Porous Pavement		Porous Pavement									
Sand filter (infiltrating)	8.27 in/hr	Sand filter (infiltrating) 8.27 in/hr	0%	50%	75%	94%	98%	99%	100%	100%	100%
Sand filter (infiltrating)	2.41 in/hr	Sand filter (infiltrating) 2.41 in/hr	0%	33%	55%	81%	91%	96%	98%	100%	100%
Sand filter (infiltrating)	1.02 in/hr	Sand filter (infiltrating) 1.02 in/hr	0%	27%	47%	73%	86%	92%	96%	99%	100%
Sand filter (infiltrating)	0.52 in/hr	Sand filter (infiltrating) 0.52 in/hr	0%	23%	42%	68%	82%	89%	94%	98%	99%
Sand filter (infiltrating)	0.27 in /hr	Sand filter (infiltrating) 0.27 in /hr	0%	20%	37%	63%	78%	86%	92%	97%	99%
Sand filter (infiltrating)	0.17 in/hr	Sand filter (infiltrating) 0.17 in/hr	0%	18%	33%	57%	73%	83%	90%	97%	99%
Sand filter (w/ underdrain)		Sand filter (w/ underdrain)	0%	14%	25%	37%	44%	48%	53%	58%	63%
Infiltration Basin	8.27 in/hr	Infiltration Basin 8.27 in/hr	0%	59%	81%	96%	99%	100%	100%	100%	100%
Infiltration Basin	2.41 in/hr	Infiltration Basin 2.41 in/hr	0%	46%	67%	87%	94%	97%	98%	100%	100%
Infiltration Basin	1.02 in/hr	Infiltration Basin 1.02 in/hr	0%	41%	60%	81%	90%	94%	97%	99%	100%
Infiltration Basin	0.52 in/hr	Infiltration Basin 0.52 in/hr	0%	38%	56%	77%	87%	92%	95%	98%	99%
Infiltration Basin	0.27 in /hr	Infiltration Basin 0.27 in /hr	0%	37%	54%	74%	85%	90%	93%	98%	99%
Infiltration Basin	0.17 in/hr	Infiltration Basin 0.17 in/hr	0%	35%	52%	72%	82%	88%	92%	97%	99%
Wet pond/ Created Wetland		Wet pond/ Created Wetland	0%	14%	25%	37%	44%	48%	53%	58%	63%
Grass Channel		Grass Channel	0%	2%	5%	9%	13%	17%	21%	29%	36%
Underground Detention		Underground Detention	0%	3%	6%	8%	9%	11%	12%	13%	14%