	APPLICABLE LAND USES																		
STRUCTURAL STORMWATER BMPS ¹	Residential Pervious	Residential Impervious	Residential Roof	Commercial Pervious	Commercial Impervious	Commercial Roof	Industrial Pervious	Industrial Impervious	Industrial Roof	Institutional Pervious	Institutional Impervious	Institutional Roof	Outdoor and Other Urban Build-up Land	Agriculture	Road	CAPITAL COST PER TREATED ACRE 3,5,7,8,9,10	RANGE OF TREATMENT EFFICIENCY (LB/AC/YR) ^{3,6,8,9}	AVERAGE TREATMENT EFFICIENCY (LB/AC/YR) ^{3,6,8}	COST PER LB N TREATED ⁴
Bioretention		Х	х		Х	Х		Х	Х		Х	Х	Х		Х	\$32,400	7.2 - 13.1	10.0	\$3,243
High-efficiency Bioretention		х	х		х	Х		Х	х		Х	х	х		х	\$34,830	7.7 - 14.4	12.0	\$2,903
Gravel Wetland					Х			Х			Х		х		Х	\$23,600	7.7 - 14.1	10.8	\$2,186
Porous Pavement - New Development					х			Х			х		х			\$29,700			
Porous Pavement - Redevelopment					Х			Х			Х		Х			\$186,300	8.8 - 15.1	12.4	\$2,386
Tree Box Filter					Х			Х			Х				Х	\$41,100	6.9 - 12.8	10.1	\$4,077
Wet Pond					Х			Х			Х				Х	\$15,000	3.7 - 11.1	9.2	\$1,628
Subsurface Sand Filter ²					Х			Х			Х		Х		Х	\$120,000	8.1 - 13.0	10.2	\$11,789
Dry Well/Infiltration Trench ²		х	х			х			х			х				\$15,000	11.9 - 14.9	14.1	\$1,061
Subsurface Infiltration ²			х		х	x		х	x		х	х	х		х	\$51,000	8.1 - 13.0	10.2	\$5,010
NON-STRUCTURAL STORMWATER BMPS																			
Cover Crops														Х		\$52	1.0 - 1.38	1.19	\$44
Slow Release Fertilizer														х		\$7	0.2 - 0.34	0.27	\$26
Residential Lawn Fertilizer Program ^{5,6}	х															\$110,000	5% - 17%	11%	N/A
Street Sweeping (see "StreetSweeping" Tab) ¹⁰															х	\$21	0.01 - 0.03	0.02	\$1,059
Catch basin cleaning (twice per year) ¹²																\$145,000			
Pet Waste Stations ⁹													х		х		0.04 - 0.05	0.05	
Illicit Connection Identification and Elimination ¹⁰	One Identified annually (\$20,000/year) (No N removal credit; however, \$ amount must be considered in budget)																		
Forest Buffers	х	х	х	Х	х	Х	х	Х	х	х	Х	х	х	х	х		8.4 - 9	8.70	
SEPTIC SYSTEM BMPS																			
Residential Sewer Extension ^{7,8}	ANALYSIS (INADI FAMENTATION) DATE TO DE COMPLETED DY VIUD													\$50,000	1.6 - 1.8	1.70	\$260		
Septic Pumpouts ³														\$1,000	0.37 - 0.39	0.38	\$2,632		
Advanced Septic Systems (per system installed) ³		ANALYSIS/IMPLEMENTATION RATE TO BE COMPLETED BY VHB													\$12,500	11.0 - 13.0	12.00	\$1,042	
Advanced Septic Systems with Denitrification (per system installed) ³													\$18,000	20.0 - 22.0	21.00	\$857			
¹ The cost and treatment efficiency values for all the Structural RMPs listed are	· .		1 111 4 1														•	J	<i>-</i>

¹ The cost and treatment efficiency values for all the Structural BMPs listed are for systems designed with a 1-inch stormwater capture volume.

² Some industrial and commercial land uses may have contaminants that may pose a risk for groundwater contamination. In these cases, infiltration should not be used without adequate treatment of runoff prior to entering the BMP.

³ Units are on a per-system basis rather than per-acre-treated basis for Advanced Septic Sytems, Advanced Septic Systems with Denitrification and Septic Pumpouts

⁴The cost per pound of Nitrogen treated is for the first year of the BMP service life.

⁵Units are on a per-program basis rather than per-acre-treated basis for Residential Lawn Fertilizer Program.

⁶Units are on a % removal efficiency basis rather than lb/acre/yr for Residential Lawn Fertilizer Program.

⁷Units are on a per home basis rather than per-acre-treated basis for Residential Sewer Extension.

⁸Units are on a lb/person/yr basis rather than lb/acre/yr for Residential Sewer Extension.

⁹Units are on a lb/discarded pet waste bag/yr basis rather than lb/acre/yr for Pet Waste Stations.

 $^{^{\}rm 10}\,\mathrm{Street}\,\mathrm{Sweeping}$ costs and load reduction based on \$/curb-mile and lb/curb-mile

 $^{^{11}}$ Budget estimate based on Franklin MA estimated cost to remove Illicit Discharges

¹² Budget estimate based on Franklin MA average annual catch basin cleaning fee for 10 years.