

Table A-3-2: BMP list by BMPDSS Model Scenario

Proposed BMP ID	MS4 owner of impervious draining to practice	Ownership where BMP is located	BMP Type (Key <sup>1</sup> )	New or Existing Site?	Permit # <sup>2</sup> (if applicable)	Address	Drainage Area, DA (acres)	Impervious Acres Managed (ac)	Channel Protection Volume (CPv) Managed above Base Condition <sup>3</sup>		Retrofit Description
									cft	Ac-ft.	
<b>Added to Credit 1 Scenario</b>											
Existing Post2002 BMPs	Varies	Varies		Existing	Varies	Varies	Varies	Varies			Varies
LDS Church North Pond (P2-Outfall 204)	Town	Private	USC	Existing	1-1319	Essex Dr.	3.07	2.52	4312	0.10	Convert existing detention pond to a gravel wetland.
Fairview Dr./Main St.	Village/ VTRANS	Public	GW	Existing	1-1074 SN002	Fairview Dr. / Main St.	22.53	3.94	19384	0.45	Regrade existing detention area, add terraced WQ bays, and replace existing culvert. Stabilize eroded outfall on North side of Main St.
Brickyard/North, South, East Creek Condos	Village	Private	GW	Existing	2-0952	Brickyard/Mansfield Ave.	8.7	4.68	24960	0.57	Convert existing detention area at the corner of Mansfield/Brickyard to gravel wetland with CPv storage.
Woodlands (Detention Pond 139)	Town	Private	UIB	Existing	Public	Sydney Dr.	32.80	4.04	15682	0.36	Retrofit existing detention pond to an underground stone gallery with 48" perforated pipe.
East Creek Condominiums	Village	Private	DB	Existing	2-0289/ 2-0317	Countryside/ Brickyard	48.2	14.40	13721	0.32	Retrofit outlet structure for CPv control. Rearmour spillway.
I-289/Route 15 North	Vtrans	ROW	MF	New	NP	I-289/Route 15	2.78	0.90	5271	0.12	Retrofit existing median swale with CPv volume control sand filter.
I-289/Route 15 South	Vtrans	ROW	MF	New	NP	I-289/Route 15	2.15	0.96	4443	0.10	Retrofit existing median swale with CPv volume control sand filter.
Essex Union High School- Rain Garden- Regrade Parking Lot	Village	School District	GSI	Existing	NP	Educational Drive	1.61	1.07	2222	0.05	Regrade parking lot to increase capture. Garden has capacity for more runoff without expansion.
<b>Added/Revised in Credit 2 Scenario</b>											
Fairview Dr. Add-on	Village/ VTRANS	Public	GW	Existing	1-1074 SN002	Fairview Dr. / Main St.	6.87	1.30	9583	0.22	Add culvert under Main St. to direct Northside of Main St. to Basin.
LDS Church w/ Add On- Inn at Essex, Essex Way North and Essex Way South	Town/ VTRANS	Private	USC	Existing	2-0631, 2-0613	Essex Dr.	26.52	8.48	44431	1.02	Route outfalls North and South of LDS pond to retrofit. Option 5: Convert pond to expanded underground stone gallery with 48" Perforated Pipe.
LDS Church South P1 (Outfall 209)	Town	Private	USC	Existing	1-1319	Essex Dr.	1.34	1.01	4400	0.101	Retrofit existing detention pond to an underground stone gallery with 48" perforated pipe.
The Commons P1 (Outfall 131)	Town	Private	USC	Existing	1-1381	Essex Dr.	7.91	2.07	8668	0.20	Convert existing detention pond to StormTech chamber system. Improve aesthetics and landscaping.

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									cft	Ac-ft.	
Countryside Dr Intersection	Village	ROW	USC	New	2-0155	Countryside Dr/Brickyard	5.25	1.95	4704	0.11	Stabilize outfall and bank. Install underground detention chamber at intersection of Countryside Dr./Brickyard. Add Stormwater planters in ROW on Countryside Dr.
Grove St.	Village/ VTRANS	ROW	UIB	New	2-0187	Grove St.	23.39	8.71	5576	0.13	Install two underground storage basins in series for detention and infiltration of the CPv storm.
Densmore Dr.	Village	Private (Sherwood Sq. Condos)	UIB	New	2-1103	Densmore Dr. / Police Station	38.28	11.73	14985	0.34	StormTech Chamber System on Densmore Dr. Verify high groundwater elevation.
Briar Lane Cul-de-sac Impervious Removal	Village	No Practice	No Practice	Existing	2-0855 (Village Knoll)	Briar Lane/ Woods End Dr.	na	0.11	900	0.02	Eliminate cul-de-sac to reduce plowing needs. Small impact.

1- BMP Type: DB: Detention Basin, USC = Underground Storage Chamber, UIB= Underground Infiltration Basin, GW = Gravel Wetland, GSI = Smaller-scale GSI practice DW= Dry Wells  
2- Key: \* NP = No permit  
3- Channel Protection Volume Managed above Base condition = New Storage Volume - Existing Volume pre2002