

Hyde Park - SWMP
Top 3 Advancement Table
November 15th, 2019

BMP ID	Project Name	BMP Address	BMP Type	BMP Description	Feasibility Issues	New or Existing BMP Retrofit	Hydrologic Soil Group	Primary LULC	Impervious Contributors	Stormwater Permit(s)
1	Lamoille Union Schools - West	736 VT Route 15 W, Hyde Park, VT, 05655 US	Underground Storage/Infiltration	Implement subsurface storage and infiltration chamber system under northwestern parking lot; system would collect drainage from courtyards and roof drains, and overflow to existing outlet		New	A	Institutional	School	Yes (4315-9015)
2	Town Office Building	344 VT Route 15 W, Hyde Park, VT, 05655 US	Infiltration Basin, Underground Storage/Infiltration	Implement an infiltration basin in the depressed grassy area between the driveway and VT-15; system would overflow under driveway in location of existing cross culvert; recommended that drainage from the adjacent Highway Department be routed to system	VTrans	New	A	Municipal	Town, VTrans	No
3	Sylvan Hill Rd and Johnson St Ext	160 Johnson Street Ext, Hyde Park, VT, 05655 US	Underground Storage/Infiltration, Ditch Improvements	Grade road to slope south towards hillside; add a V-shape, stonelined ditch along southern edge of road; install catchbasin at intersection with Johnson St Ext to direct drainage to greenspace between Johnson St Ext and VT-15; implement a subsurface storage and infiltration system in greenspace; system will overflow to location of existing cross culvert; potential for bank stabilization at location of outlet	Space, Steep, VTrans	New	B	Road ROW	Town, VTrans, Private	No

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BMP ID	Project Name	Proximity to Surface Waters (m)	Drainage Area (acres)	Impervious Area Managed (acres)	Percent Impervious	BMP Footprint Size (acres)	BMP Practice Depth (ft)	Project Cost	Cost Rounded to Nearest \$1,000	Cost per Impervious Acre Managed	Ease of O/M	Volume Managed (1/2WQ, WQ, CPv)	Volume Managed (ac-ft)	Volume Infiltrated (ac-ft)
1	Lamoille Union Schools - West	67.13	2.62	1.87	72%	0.031	6.75	\$ 85,000.00	\$ 85,000	\$ 45,434	Underground Storage	CPv	0.272	0.272
2	Town Office Building	48.85	5.20	3.09	59%	0.048	5 (basin) 5.50 (chambers)	\$ 63,000.00	\$ 63,000	\$ 20,417	Infiltration Basin	1/2WQ	0.134	0.134
3	Sylvan Hill Rd and Johnson St Ext	15.66	6.40	1.89	29%	0.018	5.50	\$ 65,000.00	\$ 65,000	\$ 34,460	Underground Storage	1/2WQ	0.105	0.105

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BMP ID	Project Name	Primary or Secondary BMP	Permitting Restrictions	Land Owner Description	Land Availability where BMP is Located	Flood Mitigation	TSS Removal (lbs)	TSS Removal (%)	STP Calculator TP Removal (lbs)	STP Calculator TP Removal (%)	Other Project Benefits/ Constraints
1	Lamoille Union Schools - West	Primary	Complex	Lamoille North Supervisory Union - Lamoille Union Schools	Not Town owned, but regulated (expired permit) / Participatory Owner	None	588.20	99.99%	5.071	100.00%	Educational Benefit, Reduce Runoff from Heavily Used Impervious Surfaces
2	Town Office Building	Primary	Minimal	Town owned land in front of the Town Offices building	Town owned	None	1228.20	98.77%	8.818	95.51%	Reduce Runoff from Heavily Used Impervious Surfaces
3	Sylvan Hill Rd and Johnson St Ext	Primary	Complex	Town owned common land	Town owned	None	2162.20	96.03%	7.011	79.29%	Infrastructure Improvement, Reduce Runoff from Heavily Used Impervious Surfaces