

Hyde Park - SWMP
Top 10 Concept Refinement Table
October 5th, 2018



BMP ID	Project Name	BMP Address	BMP Type	BMP Description	Feasibility Issues
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	
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
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
4	Main St GSI	Main St, Hyde Park, VT, 05655 US	Bioretention, Curb Bump Out, Dry Well	Potential for green streets opportunity as road is wide and flat with good soils; add curb bump outs, bioretentions, and dry wells in the existing catchbasins; include stormwater upgrades as part of anticipated 2019 Main St reconstruction project	Project-specific constraints
5	Lamoille Union Schools - East	736 VT Route 15 W, Hyde Park, VT, 05655 US	Infiltration Trench, Bioretention	Implement an infiltration trench or bioretention in the swale between the parking lot east of the buildings and the sports fields and reroute the stormline draining to the in-stream pond by VT-15 to the practice	
6	Hyde Park Highway Department	344 VT Route 15 W, Hyde Park, VT, 05655 US	Infiltration Basin	Install cross culvert under access drive and reroute water from site to the Town Office infiltration basin	Space
7	Diggins Rd	Diggins Rd, Hyde Park, VT, 05655 US	Check Dams, Ditch Improvements, Turnouts	General road and ditch improvements: remove excess sediment from ditches, remove grader berm, formalize and stabilize ditching on both sides of road, add check dams and turnouts where feasible, and regrade and recrown road	Steep, Streams
8	Cricket Hill Rd	Cricket Hill Rd, Hyde Park, VT, 05655 US	Check Dams, Ditch Improvements, Buffer Enhancement, Turnouts	Enhance buffer to streams at road crossings; general road and ditch improvements: regrade and recrown road, formalize ditching and stabilize with stone along both sides of road, add check dams and turnouts where feasible, remove grader berm, and stabilize culvert erosion	Space, Steep, Streams
9	Garfield Rd	Garfield Rd, Hyde Park, VT, 05655 US	Check Dams, Ditch Improvements, Buffer Enhancement, Turnouts	Enhance buffer to streams at road crossings; general road and ditch improvements: regrade and recrown road, formalize ditching and stabilize with stone on both sides of road, add check dams and turnouts where feasible, remove grader berm; remove excess sediment from ditches; stabilize culvert erosion	River Corridor, Space, Steep
10	Green River Dam Rd	Green River Dam Rd, Hyde Park, VT, 05655 US	Check Dams, Ditch Improvements, Infrastructure Addition, Turnouts	General road and ditch improvements: regrade and recrown road, formalize ditching on both sides of road and stabilize with stone, add check dams and turnouts where feasible, remove excess sediment from ditches and turnouts, add driveway culverts where applicable	River Corridor, Wetlands

Hyde Park - SWMP
Top 10 Concept Refinement Table
October 5th, 2018



BMP ID	Project Name	New or Existing BMP Retrofit	Hydrologic Soil Group	Primary LULC	Impervious Contributors	Stormwater Permit(s)	Proximity to Surface Waters (m)	Drainage Area (acres)	Impervious Area Managed (acres)	Percent Impervious	Pollutant Load Reduction Potential (Low-Med-High)	Project Cost Projection	Additional Design Required (Min-Med-Complex)
1	Lamoille Union Schools - West	New	A	Institutional	School	Yes (4315-9015)	67.13	2.62	1.87	72%	Moderate	High	Medium
2	Town Office Building	New	A	Municipal	Town, VTrans	No	48.85	1.81	0.70	39%	Moderate	Medium	Medium
3	Sylvan Hill Rd and Johnson St Ext	New	B	Road ROW	Town, VTrans, Private	No	15.66	6.40	1.89	29%	Moderate	Medium	Medium
4	Main St GSI	New	A	Road ROW	Town, Private	No	196.83	26.31	12.26	47%	Moderate	High	Medium
5	Lamoille Union Schools - East	New	A	Institutional	School	Yes (4315-9015)	67.13	11.62	2.58	22%	Moderate	Medium	Medium
6	Hyde Park Highway Department	New	A	Municipal	Town	No	25.91	3.40	2.38	70%	High	Medium	Medium
7	Diggins Rd	New	B/C	Road ROW	Town, Private	No	81.25	42.28	7.51	18%	Moderate	Low	Minimal
8	Cricket Hill Rd	New	A/B/C	Road ROW	Town, Private	No	35.37	4.86	7.13	147%	Moderate	Low	Minimal
9	Garfield Rd	New	A	Road ROW	Town, Private	No	38.34	63.80	3.19	5%	Low	Low	Minimal
10	Green River Dam Rd	New	A/B/C/D/n not rated	Road ROW	Town	No	146.84	5.08	0.32	6%	Low	Low	Minimal

Hyde Park - SWMP
Top 10 Concept Refinement Table
October 5th, 2018

BMP ID	Project Name	Ease of O/M	Primary or Secondary BMP	Permitting Restrictions	Land Owner Description	Land Availability where BMP is Located	Flood Mitigation	Other Project Benefits/ Constraints
1	Lamoille Union Schools - West	Underground Storage	Primary	Complex	Lamoille North Supervisory Union - Lamoille Union Schools	Not Town owned, but regulated (expired permit) / Participatory Owner	None	Educational Benefit, Reduce Runoff from Heavily Used Impervious Surfaces
2	Town Office Building	Infiltration Basin	Primary	Minimal	Town owned land in front of the Town Offices building	Town owned	None	Reduce Runoff from Heavily Used Impervious Surfaces
3	Sylvan Hill Rd and Johnson St Ext	Underground Storage	Primary	Complex	Town owned common land	Town owned	None	Infrastructure Improvement, Reduce Runoff from Heavily Used Impervious Surfaces
4	Main St GSI	Bioretention / Dry Well	Primary	Minimal	Main St the elementary school and Johnson St Ext	Town owned	None	Educational, High Visibility, Reduce Runoff from Heavily-Used Impervious
5	Lamoille Union Schools - East	Bioretention / Infiltration Trench	Primary	Minimal	Lamoille North Supervisory Union - Lamoille Union Schools	Not Town owned, but regulated (expired permit) / Participatory Owner	None	Educational, High Visibility, Reduce Runoff from Heavily-Used Impervious
6	Hyde Park Highway Department	Infiltration Basin	Primary	Minimal	Town owned land in front of the Town Offices building	Town owned	None	Reduce Runoff from Heavily-Used Impervious
7	Diggins Rd	Road and Ditch Improvements	Primary	Complex	Diggins Rd including road surface and associated ditching and infrastructure	Town owned	Ponding/Puddling, Road Washout	Chronic Problem Area
8	Cricket Hill Rd	Road and Ditch Improvements	Primary	Complex	Cricket Hill Rd including road surface and associated ditching and infrastructure	Town owned	Ponding/Puddling	Practice Includes Buffer to Waterbodies
9	Garfield Rd	Road and Ditch Improvements	Primary	Complex	Garfield Rd including road surface and associated ditching and infrastructure	Town owned	Ponding/Puddling	Practice Includes Buffer to Waterbodies
10	Green River Dam Rd	Road and Ditch Improvements	Primary	Complex	Green River Dam Rd including road surface and associated ditching and infrastructure	Town owned	Ponding/Puddling	