

Site name: Lamoille Union Schools - West

Approximate address: 736 VT Route 15 W, Hyde Park, VT, 05655 US

Proposed BMP type: Underground Storage/Infiltration

Proposed BMP description:

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

Auxiliary Benefits

Educational Benefit, Reduce Runoff from Heavily Used Impervious Surfaces

Feasibility concerns:

Proposed BMP details

Current site type	Institutional
Drainage area (acres)	2.6
Impervious area (acres)	1.9
BMP pollutant reduction	Moderate
Flood Mitigation	None
BMP design required	Medium
Proximity to Surface Waters (m)	67
Hydrologic soil group	A
Ownership of Site	Lamoille North Supervisory Union - Lamoille Union Schools
Stormwater Permit?	Yes (4315-9015)
Relative project cost	High
Ease of O&M	Underground Storage

Site map



Site photo



Site name: Town Office Building

Approximate address: 344 VT Route 15 W, Hyde Park, VT, 05655 US

Proposed BMP type: Infiltration Basin, Underground Storage/Infiltration

Proposed BMP description:

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

Auxiliary Benefits

Reduce Runoff from Heavily Used Impervious Surfaces

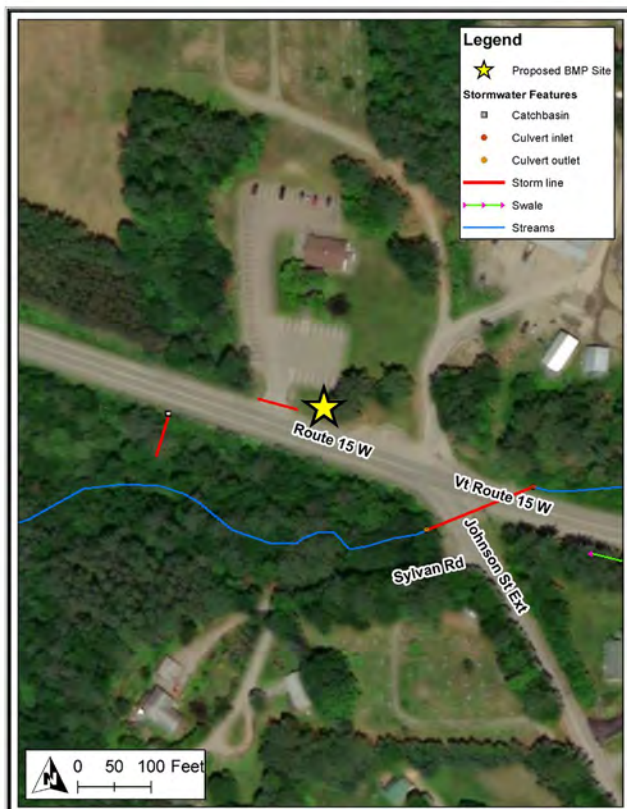
Feasibility concerns:

VTrans

Proposed BMP details

Current site type	Municipal
Drainage area (acres)	1.8
Impervious area (acres)	0.7
BMP pollutant reduction	Moderate
Flood Mitigation	None
BMP design required	Medium
Proximity to Surface Waters (m)	49
Hydrologic soil group	A
Ownership of Site	Town owned land in front of the Town Offices building
Stormwater Permit?	No
Relative project cost	Medium
Ease of O&M	Infiltration Basin

Site map



Site photo



Site name: Sylvan Hill Rd and Johnson St Ext

Approximate address: 160 Johnson Street Ext, Hyde Park, VT, 05655 US

Proposed BMP type: Underground Storage/Infiltration, Ditch Improvements

Proposed BMP description:

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

Auxiliary Benefits

Infrastructure Improvement, Reduce Runoff from Heavily Used Impervious Surfaces

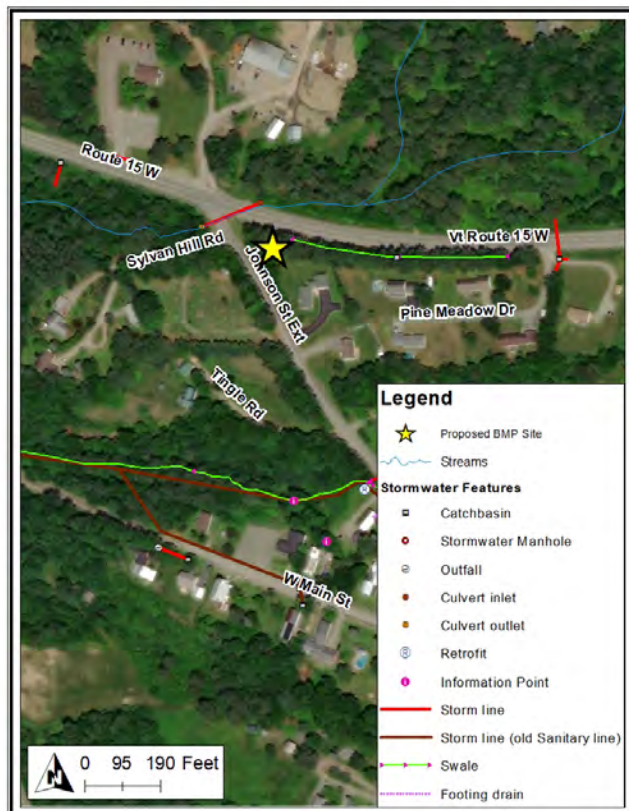
Feasibility concerns:

Space, Steep, VTrans

Proposed BMP details

Current site type	Road ROW
Drainage area (acres)	6.4
Impervious area (acres)	1.9
BMP pollutant reduction	Moderate
Flood Mitigation	None
BMP design required	Medium
Proximity to Surface Waters (m)	16
Hydrologic soil group	B
Ownership of Site	Town owned common land
Stormwater Permit?	No
Relative project cost	Medium
Ease of O&M	Underground Storage

Site map



Site photo



Site name: Main St GSI

Approximate address: Main St, Hyde Park, VT, 05655 US

Proposed BMP type: Bioretention, Curb Bump Out, Dry Well

Proposed BMP description:

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

Auxiliary Benefits

Educational, High Visibility, Reduce Runoff from Heavily-Used Impervious

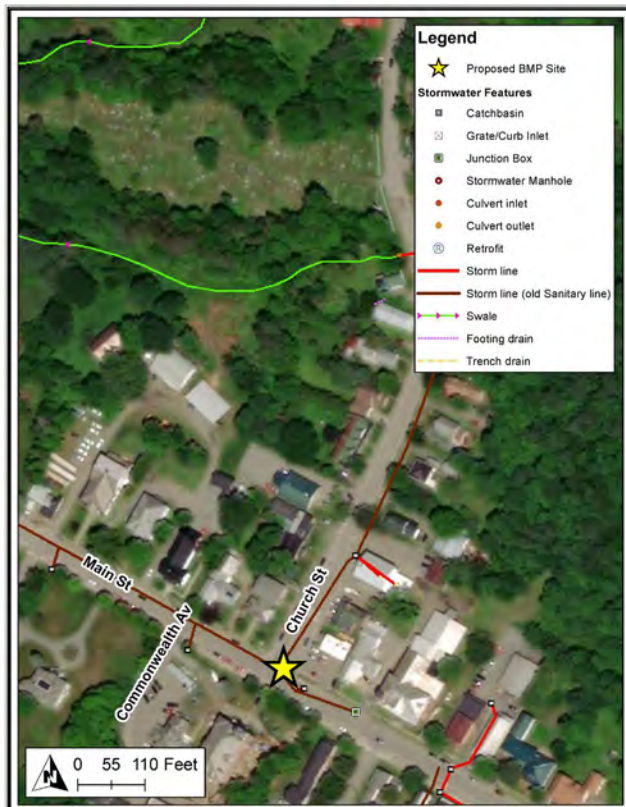
Feasibility concerns:

Project-specific constraints

Proposed BMP details

Current site type	Road ROW
Drainage area (acres)	26.3
Impervious area (acres)	12.3
BMP pollutant reduction	Moderate
Flood Mitigation	None
BMP design required	Medium
Proximity to Surface Waters (m)	197
Hydrologic soil group	A
Ownership of Site	Main St the elementary school and Johnson St Ext
Stormwater Permit?	No
Relative project cost	High
Ease of O&M	Bioretention / Dry Well

Site map



Site photo



Site name: Lamoille Union Schools - East

Approximate address: 736 VT Route 15 W, Hyde Park, VT, 05655 US

Proposed BMP type: Infiltration Trench, Bioretention

Proposed BMP description:

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

Auxiliary Benefits

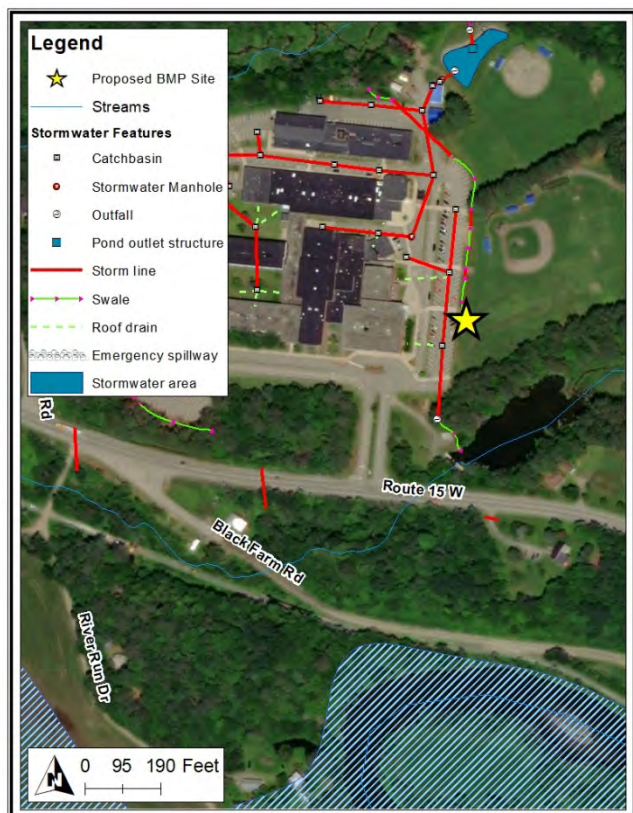
Educational, High Visibility, Reduce Runoff from Heavily-Used Impervious

Feasibility concerns:

Proposed BMP details

Current site type	Institutional
Drainage area (acres)	11.6
Impervious area (acres)	2.6
BMP pollutant reduction	Moderate
Flood Mitigation	None
BMP design required	Medium
Proximity to Surface Waters (m)	67
Hydrologic soil group	A
Ownership of Site	Lamoille North Supervisory Union - Lamoille Union Schools
Stormwater Permit?	Yes (4315-9015)
Relative project cost	Medium
Ease of O&M	Bioretention / Infiltration Trench

Site map



Site photo



Site name: Hyde Park Highway Department

Approximate address: 344 VT Route 15 W, Hyde Park, VT, 05655 US

Proposed BMP type: Infiltration Basin

Proposed BMP description:

Install cross culvert under access drive and reroute water from site to the Town Office infiltration basin

Auxiliary Benefits

Reduce Runoff from Heavily-Used Impervious

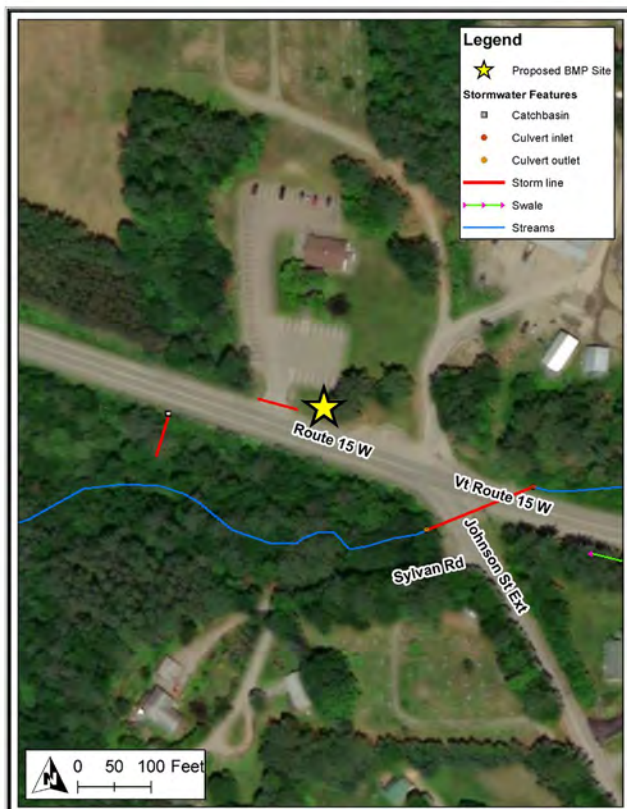
Feasibility concerns:

Space

Proposed BMP details

Current site type	Municipal
Drainage area (acres)	3.4
Impervious area (acres)	2.4
BMP pollutant reduction	High
Flood Mitigation	None
BMP design required	Medium
Proximity to Surface Waters (m)	26
Hydrologic soil group	A
Ownership of Site	Town owned land in front of the Town Offices building
Stormwater Permit?	No
Relative project cost	Medium
Ease of O&M	Infiltration Basin

Site map



Site photo



Site name: Diggins Rd

Approximate address: Diggins Rd, Hyde Park, VT, 05655 US

Proposed BMP type: Check Dams, Ditch Improvements, Turnouts

Proposed BMP description:

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.

Auxiliary Benefits

Chronic Problem Area

Feasibility concerns:

Steep, Streams

Proposed BMP details

Current site type	Road ROW
Drainage area (acres)	42.3
Impervious area (acres)	7.5
BMP pollutant reduction	Moderate
Flood Mitigation	Ponding/Puddling, Road Washout
BMP design required	Minimal
Proximity to Surface Waters (m)	81
Hydrologic soil group	B/C
Ownership of Site	Diggins Rd including road surface and associated ditching and infrastructure
Stormwater Permit?	No
Relative project cost	Low
Ease of O&M	Road and Ditch Improvements

Site map



Site photo



Site name: Cricket Hill Rd**Approximate address:** Cricket Hill Rd, Hyde Park, VT, 05655 US**Proposed BMP type:** Check Dams, Ditch Improvements, Buffer Enhancement, Turnouts**Proposed BMP description:**

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.

Auxiliary Benefits

Practice Includes Buffer to Waterbodies

Feasibility concerns:

Space, Steep, Streams

Proposed BMP details

Current site type	Road ROW
Drainage area (acres)	4.9
Impervious area (acres)	7.1
BMP pollutant reduction	Moderate
Flood Mitigation	Ponding/Puddling
BMP design required	Minimal
Proximity to Surface Waters (m)	35
Hydrologic soil group	A/B/C
Ownership of Site	Cricket Hill Rd including road surface and associated ditching and infrastructure
Stormwater Permit?	No
Relative project cost	Low
Ease of O&M	Road and Ditch Improvements

Site map**Site photo**

Site name: Garfield Rd

Approximate address: Garfield Rd, Hyde Park, VT, 05655 US

Proposed BMP type: Check Dams, Ditch Improvements, Buffer Enhancement, Turnouts

Proposed BMP description:

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.

Auxiliary Benefits

Practice Includes Buffer to Waterbodies

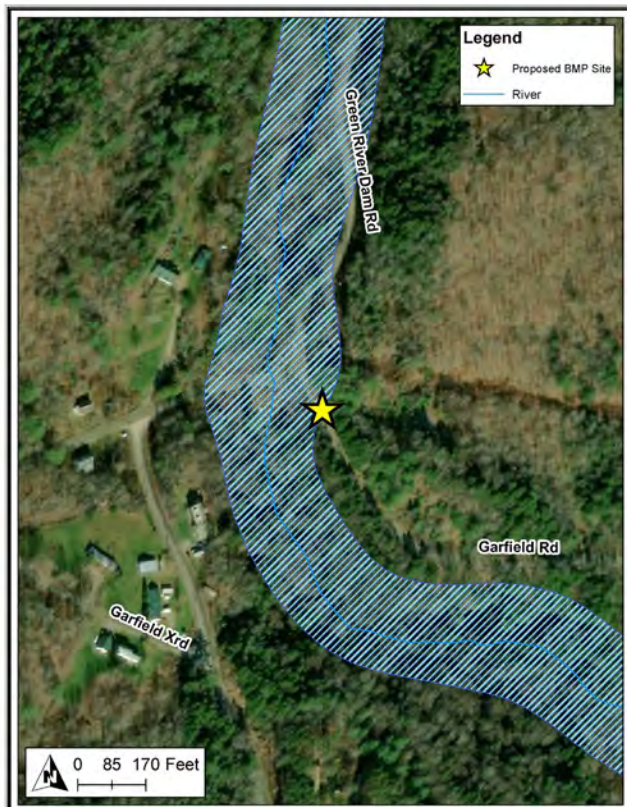
Feasibility concerns:

River Corridor, Space, Steep

Proposed BMP details

Current site type	Road ROW
Drainage area (acres)	63.8
Impervious area (acres)	3.2
BMP pollutant reduction	Low
Flood Mitigation	Ponding/Puddling
BMP design required	Minimal
Proximity to Surface Waters (m)	38
Hydrologic soil group	A
Ownership of Site	Garfield Rd including road surface and associated ditching and infrastructure
Stormwater Permit?	No
Relative project cost	Low
Ease of O&M	Road and Ditch Improvements

Site map



Site photo



Site name: Green River Dam Rd

Approximate address: Green River Dam Rd, Hyde Park, VT, 05655 US

Proposed BMP type: Check Dams, Ditch Improvements, Infrastructure Addition, Turnouts

Proposed BMP description:

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.

Auxiliary Benefits

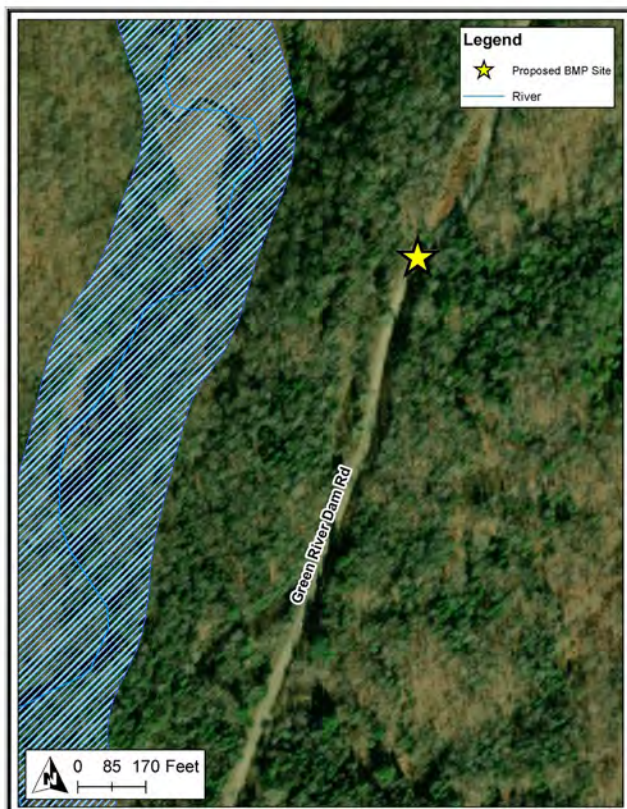
Feasibility concerns:

River Corridor, Wetlands

Proposed BMP details

Current site type	Road ROW
Drainage area (acres)	5.1
Impervious area (acres)	0.3
BMP pollutant reduction	Low
Flood Mitigation	Ponding/Puddling
BMP design required	Minimal
Proximity to Surface Waters (m)	147
Hydrologic soil group	A/B/C/D/not rated
Ownership of Site	Green River Dam Rd including road surface and associated ditching and infrastructure
Stormwater Permit?	No
Relative project cost	Low
Ease of O&M	Road and Ditch Improvements

Site map



Site photo

