

**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

**Site Description**

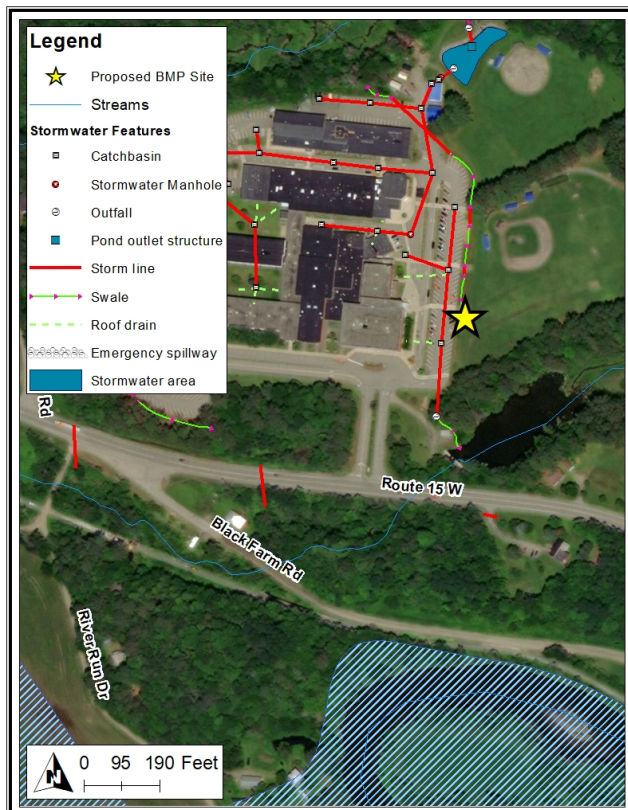
Lamoille Union Middle and High Schools and the Green Mountain Tech and Career Center; discharges to a tributary of the Lamoille River; expired stormwater permit covering 1.14ac impervious cover

**Feasibility concerns:**

**Proposed BMP details**

Current site type	Educational
Drainage area	Medium
Impervious area	High (66-100%)
BMP pollutant reduction	Moderate
BMP design required	Medium
Hydrologic soil group	A
Proximity to water (m)	67
Ownership of Site	Public
Stormwater Permit?	Yes (4315-9015)
Auxiliary Benefits	Educational, High Visibility, Reduce Runoff from Heavily-Used Impervious
Retrofit Priority	High
Relative project cost	Medium
Project score	155
Project rank	1

**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

**Site Description**

Class 4 gravel road accessing residential properties with many stream crossings; outside of Village but priority for Town; hydric soils present along road; previously noted that road washed out in early 2017

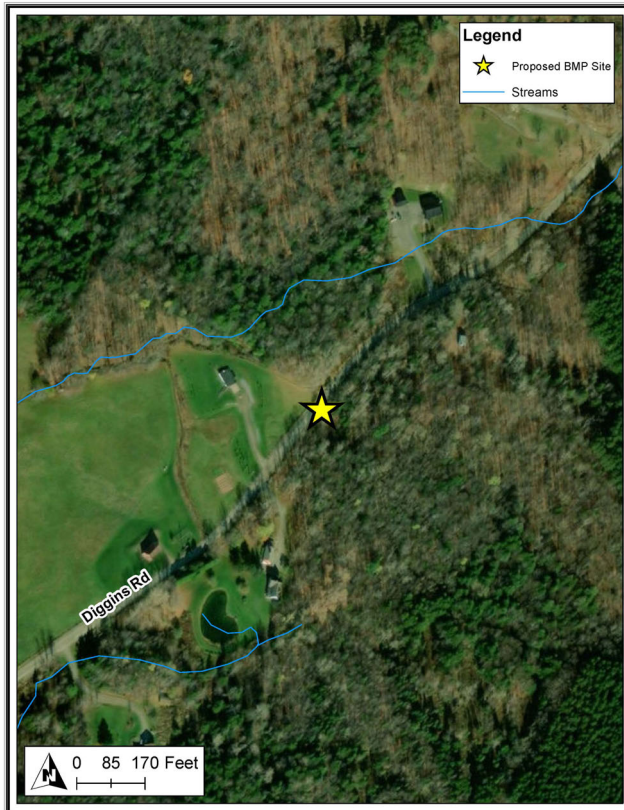
**Feasibility concerns:**

Steep, Streams

**Proposed BMP details**

Current site type	Road/ROW
Drainage area	Large
Impervious area	Low (0-33%)
BMP pollutant reduction	Moderate
BMP design required	Minimal
Hydrologic soil group	B/C
Proximity to water (m)	81
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	Chronic Problem Area
Retrofit Priority	Medium
Relative project cost	Low
Project score	145
Project rank	2

**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

**Site Description**

Section of street between E and W Main; many Town-owned parcels along road; good green streets opportunity as road is wide, flat, and has good soils

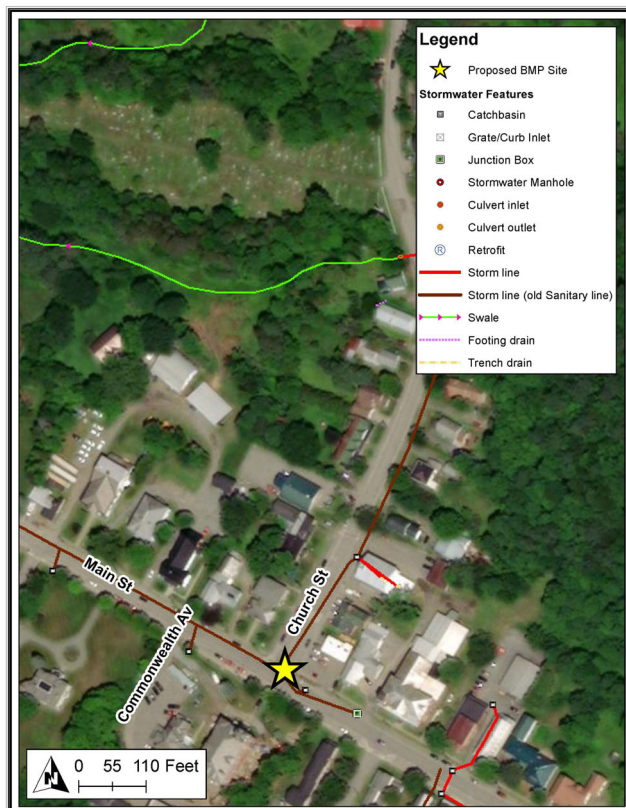
**Feasibility concerns:**

Project-specific constraints

**Proposed BMP details**

Current site type	Road/ROW
Drainage area	Medium
Impervious area	High (66-100%)
BMP pollutant reduction	Moderate
BMP design required	Medium
Hydrologic soil group	A
Proximity to water (m)	197
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	Educational, High Visibility, Reduce Runoff from Heavily-Used Impervious
Retrofit Priority	Very High
Relative project cost	High
Project score	135
Project rank	3 (tie)

**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

**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 the system.

**Site Description**

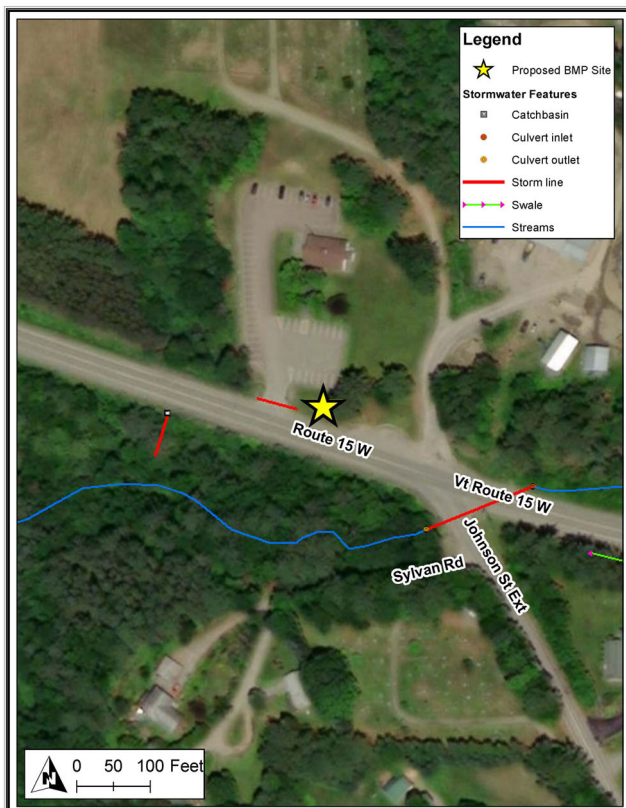
Town Office complex on VT-15; drains to a tributary of the Lamoille River

**Feasibility concerns:**

**Proposed BMP details**

Current site type	Municipal
Drainage area	Small
Impervious area	Medium (33-66%)
BMP pollutant reduction	Moderate
BMP design required	Medium
Hydrologic soil group	A
Proximity to water (m)	49
Ownership of Site	Public
Stormwater Permit?	No
Auxiliary Benefits	Educational, High Visibility, Reduce Runoff from Heavily-Used Impervious
Retrofit Priority	Very High
Relative project cost	Medium
Project score	135
Project rank	3 (tie)

**Site map**



**Site photo**





## Hyde Park SWMP – Preliminary BMP Summary Sheet

BMP ID #:

5

**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

**Site Description**

Highway Department facility located off of VT-15

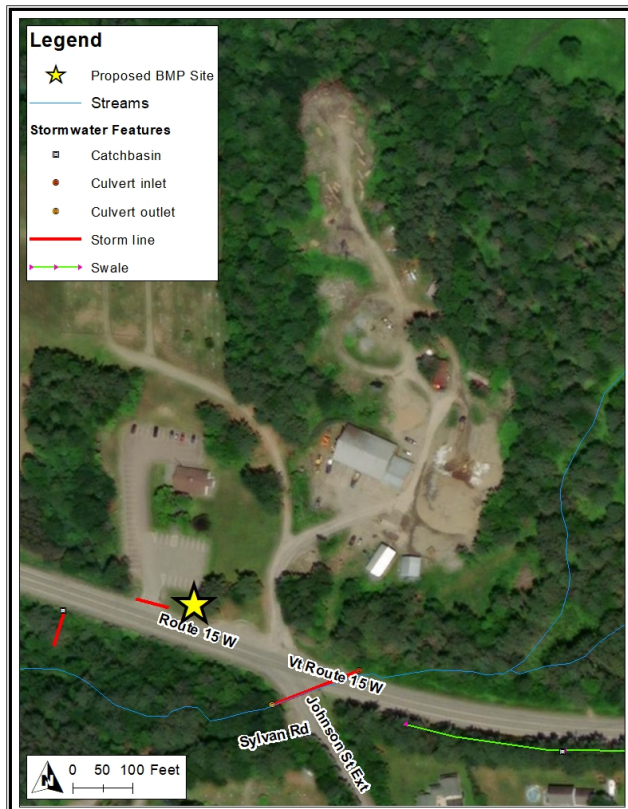
**Feasibility concerns:**

Space

**Proposed BMP details**

Current site type	Municipal
Drainage area	Small
Impervious area	High (66-100%)
BMP pollutant reduction	High
BMP design required	Medium
Hydrologic soil group	A
Proximity to water (m)	26
Ownership of Site	Public
Stormwater Permit?	No
Auxiliary Benefits	Reduce Runoff from Heavily-Used Impervious
Retrofit Priority	High
Relative project cost	Medium
Project score	130
Project rank	5 (tie)

**Site map**



**Site photo**



**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

**Site Description**

Lamoille Union Middle and High Schools and the Green Mountain Tech and Career Center; discharges to a tributary of the Lamoille River; expired stormwater permit covering 1.14ac impervious cover

**Feasibility concerns:**

**Proposed BMP details**

Current site type	Educational
Drainage area	Small
Impervious area	High (66-100%)
BMP pollutant reduction	Moderate
BMP design required	Medium
Hydrologic soil group	A
Proximity to water (m)	67
Ownership of Site	Public
Stormwater Permit?	Yes (4315-9015)
Auxiliary Benefits	Educational, High Visibility, Reduce Runoff from Heavily-Used Impervious
Retrofit Priority	High
Relative project cost	High
Project score	130
Project rank	5 (tie)

**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

**Site Description**

Gravel section of Garfield Rd; road in river corridor at crossing of the Green River; MRGP high priority sites on this road

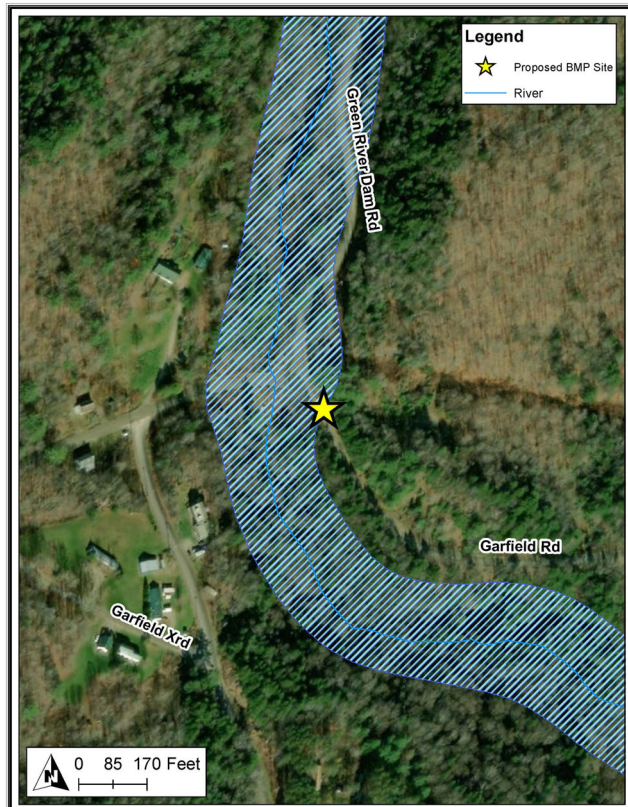
**Feasibility concerns:**

River Corridor, Space, Steep

**Proposed BMP details**

Current site type	Road/ROW
Drainage area	Large
Impervious area	Low (0-33%)
BMP pollutant reduction	Low
BMP design required	Minimal
Hydrologic soil group	A
Proximity to water (m)	38
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	Practice Includes Buffer to Waterbodies
Retrofit Priority	Low
Relative project cost	Low
Project score	122
Project rank	7

**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

**Site Description**

Intersection of Sylvan Hill, Johnson St Extension, and VT-15; drainage from intersection is forming an eroded channel down to the stream

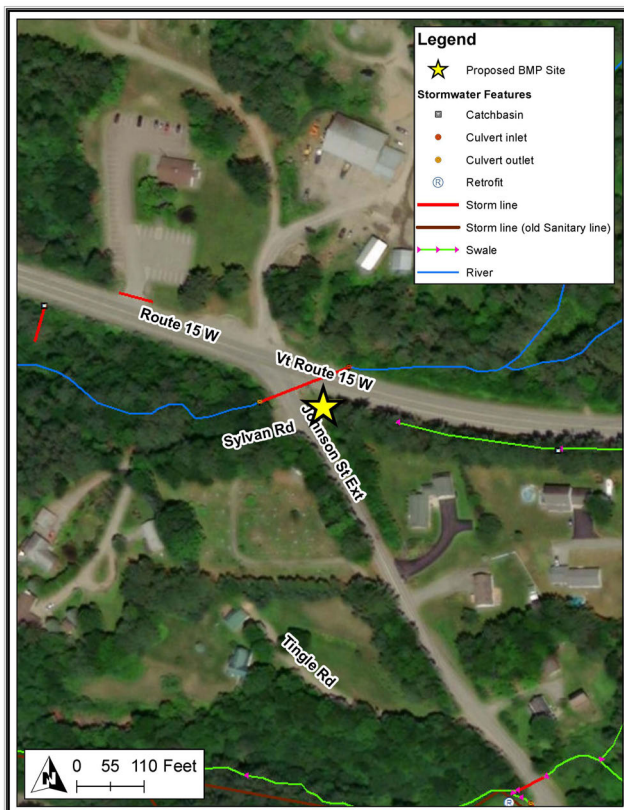
**Feasibility concerns:**

Space, Steep, VTrans

**Proposed BMP details**

Current site type	Road/ROW
Drainage area	Small
Impervious area	Medium (33-66%)
BMP pollutant reduction	Moderate
BMP design required	Medium
Hydrologic soil group	B
Proximity to water (m)	16
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	Chronic Problem Area, Reduce Runoff from Heavily-Used Impervious
Retrofit Priority	High
Relative project cost	Medium
Project score	120
Project rank	8

**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

**Site Description**

Gravel road between Battle Row Rd and VT-15; multiple stream crossings; MRGP high priority sites on this road

**Feasibility concerns:**

Space, Steep, Streams

**Proposed BMP details**

Current site type	Road/ROW
Drainage area	Small
Impervious area	Low (0-33%)
BMP pollutant reduction	Moderate
BMP design required	Minimal
Hydrologic soil group	A/B/C
Proximity to water (m)	35
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	Practice Includes Buffer to Waterbodies
Retrofit Priority	Low
Relative project cost	Low
Project score	107
Project rank	9

**Site map**



**Site photo**



**Site name:** Ten Bends Dr and Woodlands Ln Retrofit

**Approximate address:** 454 Black Farm Rd, Hyde Park, VT, 05655 US

**Proposed BMP type:** Check Dams, Ditch Improvements, Gravel Wetland

**Proposed BMP description:**

Reroute swale to a gravel wetland at the intersection of Ten Bends Rd and Woodlands Ln; general road and ditch improvements: regrade and recrown road, formalize ditching, and add check dams and turnouts where feasible

**Site Description**

Field between Ten Bends Dr and Woodlands Ln; outside of river corridor; State-identified retrofit location

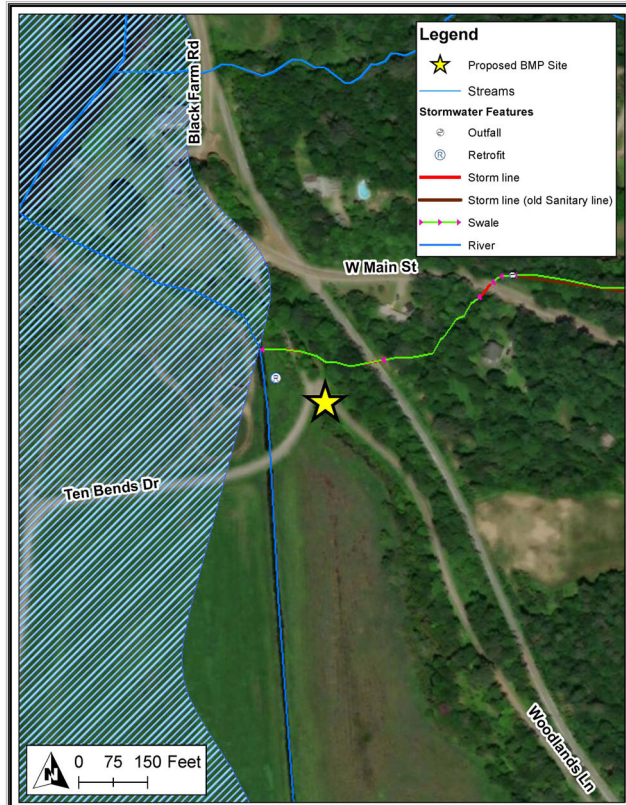
**Feasibility concerns:**

Ownership of Site, Space, Wetlands

**Proposed BMP details**

Current site type	Road/ROW
Drainage area	Large
Impervious area	Medium (33-66%)
BMP pollutant reduction	Moderate
BMP design required	Complex
Hydrologic soil group	C
Proximity to water (m)	37
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	Reduce Runoff from Heavily-Used Impervious
Retrofit Priority	Medium
Relative project cost	High
Project score	100
Project rank	10

**Site map**



**Site photo**





**Site name:** Church St Retrofit

**Approximate address:** 125 Church St, Hyde Park, VT, 05655 US

**Proposed BMP type:** Bioretention, Cistern/Rain Barrel, Buffer Enhancement, Infiltration Trench, Stormwater Planter

**Proposed BMP description:**

Suspected stream in location of proposed retrofit; if a stream, add a buffer on both sides; if not a stream, implement an infiltration trench in retrofit location; distributed residential GSI for properties along length of Church St

**Site Description**

Location of cross culvert under Church St; suspected stream crossing; State-identified retrofit location

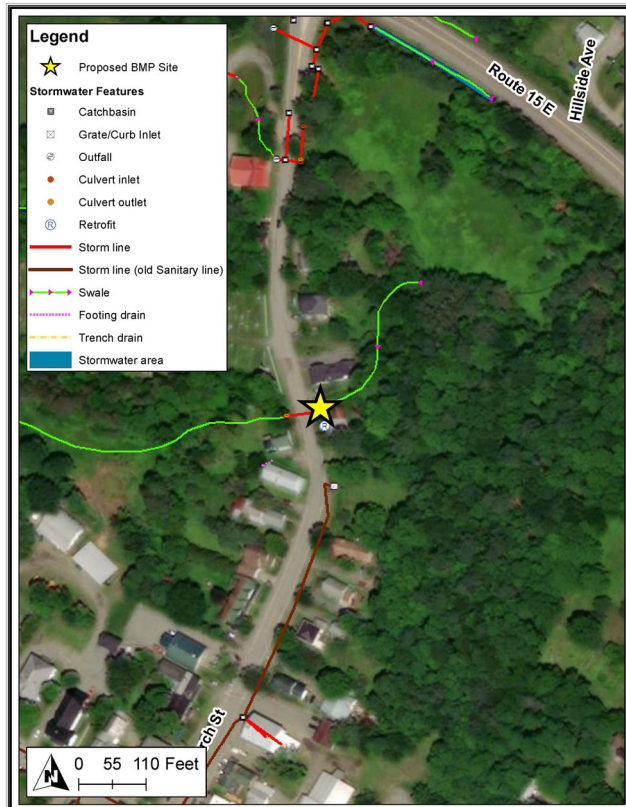
**Feasibility concerns:**

Ownership of Site, Space, Stream

**Proposed BMP details**

Current site type	Residential, Road/ROW
Drainage area	Medium
Impervious area	Low (0-33%)
BMP pollutant reduction	Low
BMP design required	Minimal
Hydrologic soil group	A
Proximity to water (m)	796
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	Practice Includes Buffer to Waterbodies
Retrofit Priority	Low
Relative project cost	Low
Project score	87
Project rank	11

**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

**Site Description**

Narrow gravel road between Green River Reservoir State Park and Garfield Rd; majority of road is in river corridor with wetlands and hydric soils present; MRGP high priority sites on this road

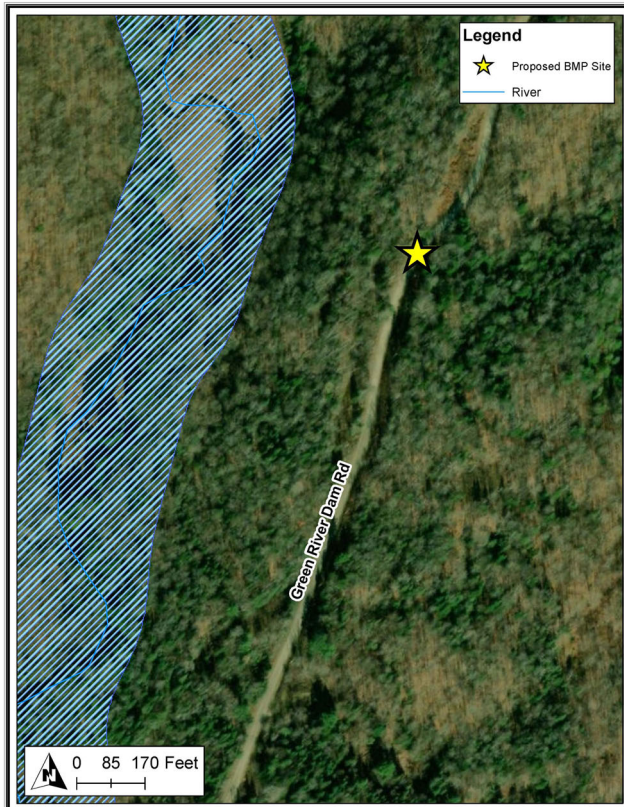
**Feasibility concerns:**

River Corridor, Wetlands

**Proposed BMP details**

Current site type	Road/ROW
Drainage area	Small
Impervious area	Low (0-33%)
BMP pollutant reduction	Low
BMP design required	Minimal
Hydrologic soil group	A/B/C/D/not rated
Proximity to water (m)	147
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	
Retrofit Priority	Low
Relative project cost	Low
Project score	77
Project rank	12

**Site map**



**Site photo**





**Site name:** Tingle Rd

**Approximate address:** 50 Tingle Rd, Hyde Park, VT, 05655 US

**Proposed BMP type:** Buffer Enhancement

**Proposed BMP description:**

Enhance buffer along steep bank; general road improvements: regrade and recrown road

**Site Description**

Short gravel road accessing residential property; contributes drainage to sinkhole on Johnson St Ext; MRGP high priority site on this road

**Feasibility concerns:**

Ownership of Site, Space, Steep

**Proposed BMP details**

Current site type	Road/ROW
Drainage area	Small
Impervious area	Low (0-33%)
BMP pollutant reduction	Low
BMP design required	Minimal
Hydrologic soil group	A
Proximity to water (m)	184
Ownership of Site	ROW
Stormwater Permit?	No
Auxiliary Benefits	
Retrofit Priority	Very Low
Relative project cost	Low
Project score	76
Project rank	13

**Site map**



**Site photo**

