

Gunner Brook, Barre City, Vermont

The lower reach of Gunner Brook in Barre City, Vermont has been found to be impaired for sediment in stormwater as measured by the biological community of the brook. There are at least 43 discharges to the brook from the developed lands of Barre City and Town between the mouth and Plainfield Brook Rd. The largest discharge to the river is drainage #149 Barre City which drains the Barre City Auditorium and Ice Arena. Under General Permit 3-9050 3 parcels including this one will have to implement or improve their existing stormwater discharges by 2028. It is estimated that if the 9050 retrofits were installed and the 3 parcels achieve compliance the net reduction for all modeled stormwater controls would be about 11% of the sediment load and 9% of the phosphorus load to the brook. A number of sites are outside the urbanized area and do not have pollutant load modeling but are suggested in the Stormwater Master Plans for Barre Town and Plainfield.

The recommended course of action is to install a stormwater treatment structure on many of these discharges that controls the water quality volume and the channel protection volume. Maps showing the location of these discharges and other possible retrofit locations on private or public land are provided.

Addressing the large discharges of stormwater to the brook will reduce contamination and stream channel erosion, and will help prevent the stream from becoming declared stormwater impaired on the state of Vermont's 303d list of impaired waters. It will also reduce phosphorus currently being discharged to the Winooski River and Lake Champlain.



Monitoring Site Summary - River/Stream

Gunner Brook

River Mile: 0.2

Located below 3rd bridge (Seminary St) up from Stevens Branch.
Barre City, VT (44.20386, -72.50648)

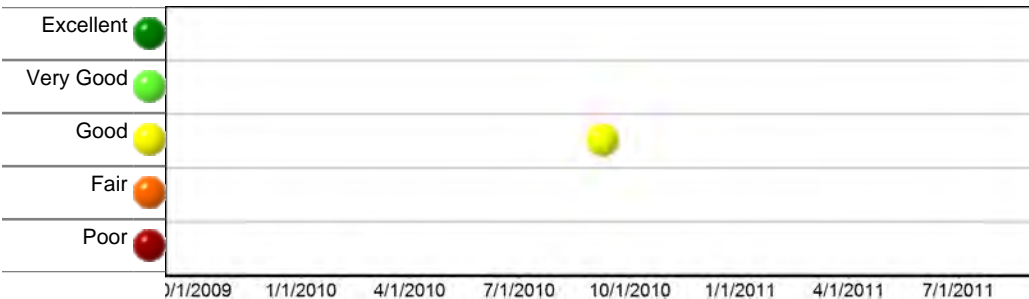
Macroinvertebrate Assessment

Macroinvertebrate population Assessments are a measure of the biological integrity of the macroinvertebrate community and an indicator of the health of the aquatic biota. (For More Details)



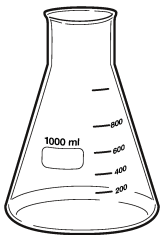
Fish Assessment

Fish populations provide a measurement of the general health of the aquatic biota. Since fish occupy the top of the food web their population integrates the conditions of lower community types. (For More Details)



Water Quality Measurements

Chemical and physical parameters provide a “snapshot” of current conditions and are used to detect changes in water quality and to make determinations about a waterbody and its watershed. (For More Details)



Characteristic	Description	Trend	Max	Mean	Min
Chloride (mg/L)	At elevated values mostly from deicing		50.3	49.4	48.6
Conductivity (umho/cm)			556.0	491.2	327.0
Nitrogen (mg/L)	Nutrient that may fuel algae blooms		1.1	1.0	0.9
pH	Acidity		8.2	8.1	7.9
Phosphorus (ug/L)	Nutrient that may fuel algae blooms		30.0	15.3	6.0
Turbidity (NTU)	Measure of suspended sediment		1.8	1.2	0.8



Monitoring Site Summary - River/Stream

Gunner Brook

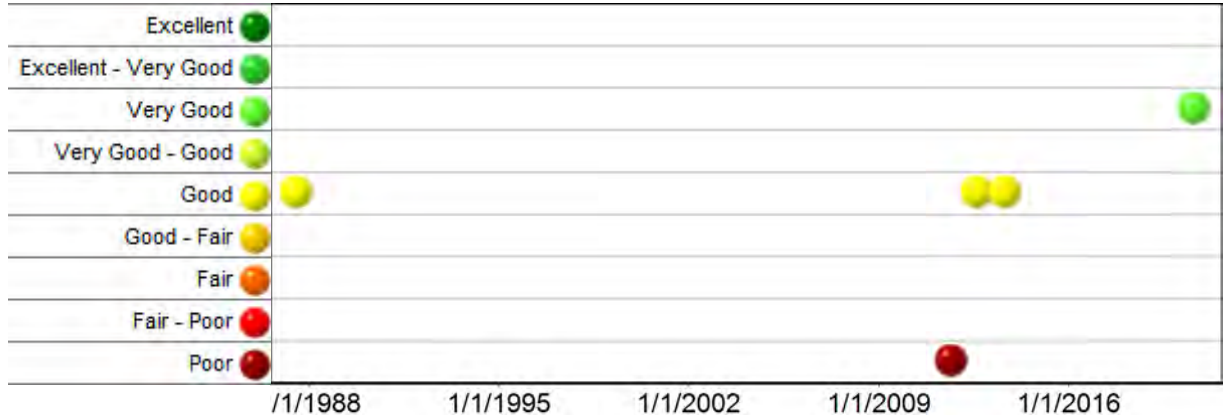
River Mile: 0.8

Located adjacent to old dump site and new ball field.

Barre City, VT (44.21142, -72.50247)

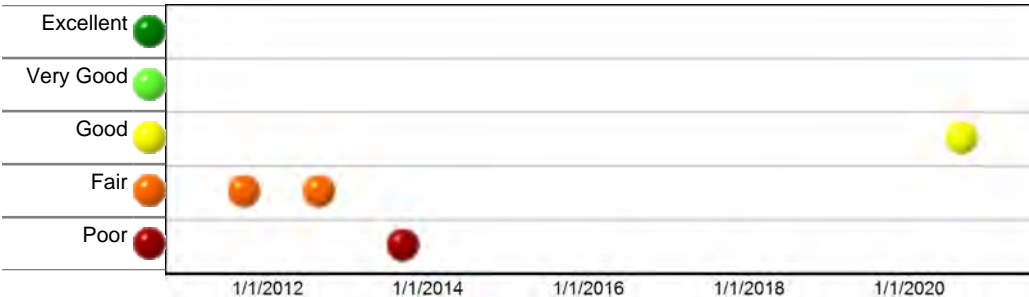
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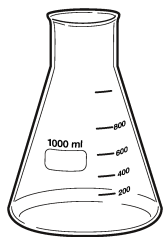
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Water Quality Measurements

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Characteristic	Description	Trend	Max	Mean	Min
Chloride (mg/L)	At elevated values mostly from deicing		57.0	41.8	28.2
Conductivity (umho/cm)			564.0	482.8	430.8
Nitrogen (mg/L)	Nutrient that may fuel algae blooms		1.2	1.0	0.8
pH	Acidity		8.4	7.9	7.6
Phosphorus (ug/L)	Nutrient that may fuel algae blooms		36.7	11.9	5.1
Turbidity (NTU)	Measure of suspended sediment		2.3	1.4	0.7



Monitoring Site Summary - River/Stream

Gunner Brook

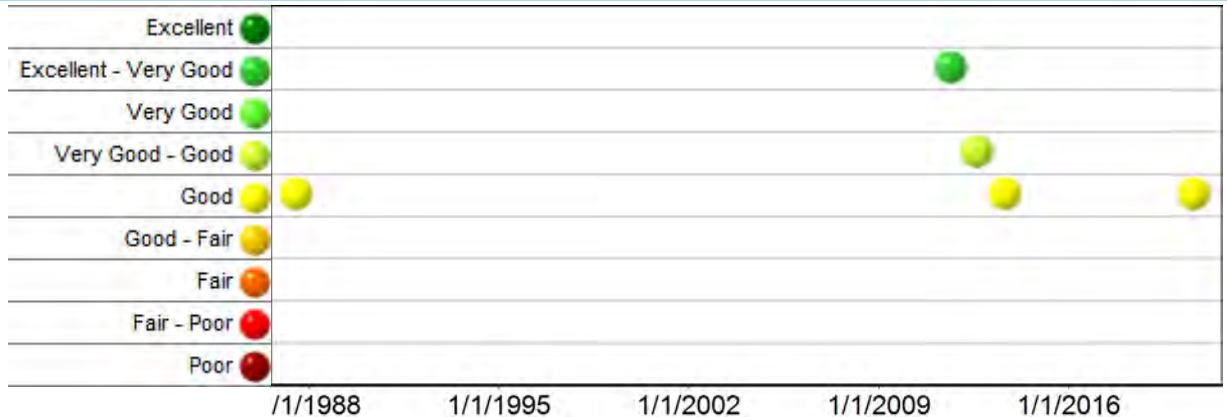
River Mile: 1.1

Located just above old Farwell St dump about 30m.

Barre City, VT (44.21405, -72.50006)

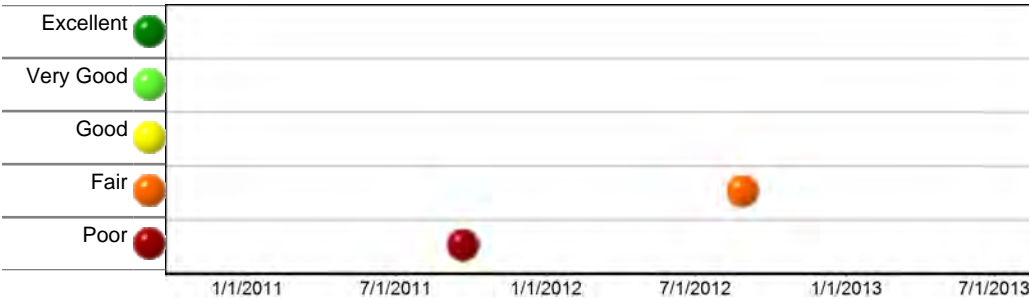
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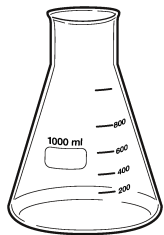
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Water Quality Measurements

Chemical and physical parameters provide a “snapshot” of current conditions and are used to detect changes in water quality and to make determinations about a waterbody and its watershed. (For More Details)



Characteristic	Description	Trend	Max	Mean	Min
Chloride (mg/L)	At elevated values mostly from deicing		52.5	35.3	20.8
Conductivity (umho/cm)			522.0	432.5	389.0
Nitrogen (mg/L)	Nutrient that may fuel algae blooms		0.8	0.8	0.7
pH	Acidity		8.8	8.3	8.0
Phosphorus (ug/L)	Nutrient that may fuel algae blooms		56.7	23.7	6.3
Turbidity (NTU)	Measure of suspended sediment		0.6	0.3	0.0


Watershed Number	Action List	Proposed Action	Proposed or Existing Stormwater Treatment Practice	Permit Number	Watershed Area (Acres)	Percent Effective Impervious Area	Sediment Load with Current Reductions (lbs)	Priority Action Sediment Reduction Credit	Sediment Load with Priority Action (lbs)	Phosphorus Load with Current Reductions (lbs)	Priority Action Phosphorus Reduction Credit	Phosphorus Load with Priority Action (lbs)	Estimated Basin Construction Cost	Estimated Other BMP Construction Cost	Cost of Sediment Removal Per Pound (based on annual)	Cost of Phosphorus Removal Per Pound (based on annual phosphorus)	Assistance Program
21 Barre Town			OF/WP/SWPPP	5322-9003	144.5	0.6	10608	0%	10608	29.47	0%	29.47					ERP, SRF, LCBP
22 Barre Town	1	Underground infiltration basin on west side of developed area	IB/GS/CB		32.9	3.1	3383	70%	1015	9.40	70%	2.82	\$87,551		\$37	\$13,309	ERP, SRF, LCBP
23 Barre Town			GS/CB		41.7	2.1	3799	0%	3799	10.55	0%	10.55					ERP, SRF, LCBP
24 Barre Town			OF/GS	3237-9010	73.7	1.6	6263	0%	6263	17.40	0%	17.40					ERP, SRF, LCBP
25 Barre Town			OF		2.0	2.9	205	0%	205	0.57	0%	0.57					ERP, SRF, LCBP
26 Barre Town			GS/OF		23.3	3.4	2500	0%	2500	6.95	0%	6.95					ERP, SRF, LCBP
30 Barre Town			GS/OF		1.9	16.4	496	0%	496	1.38	0%	1.38					ERP, SRF, LCBP
42 Barre City			OF/CB		47.3	0.9	3630	0%	3630	10.08	0%	10.08					ERP, SRF, LCBP
43 Barre City			OF/CB		15.9	1.1	1269	0%	1269	3.52	0%	3.52					ERP, SRF, LCBP
44 Barre City			CB		6.1	18.8	1767	0%	1767	4.91	0%	4.91					ERP, SRF, LCBP
45 Barre City			OF/CB		1.8	4.6	212	0%	212	0.59	0%	0.59					ERP, SRF, LCBP
47 Barre City	1,4	Infiltration basin on west side of E Montpelier Rd	IB/OF/CB		69.5	2.7	6847	40%	4108	19.02	30%	13.31	\$177,195		\$65	\$31,053	ERP, SRF, LCBP
48 Barre City	4		OF/CB		45.9	4.4	5442	40%	3265	15.12	30%	10.58					ERP, SRF, LCBP
143 Barre City			OF		80.0	0.1	5354	0%	5354	14.87	0%	14.87					ERP, SRF, LCBP
144 Barre City			CB/OF		12.8	9.0	2234	0%	2234	6.21	0%	6.21					ERP, SRF, LCBP
145 Barre City			CB/OF		2.3	32.6	1028	0%	1028	2.86	0%	2.86					ERP, SRF, LCBP
146 Barre City			CB/OF		9.7	6.0	1339	0%	1339	3.72	0%	3.72					ERP, SRF, LCBP
147 Barre City			OF		13.0	0.3	915	0%	915	2.54	0%	2.54					ERP, SRF, LCBP
148 Barre City			CB/OF		5.7	13.8	1315	0%	1315	3.65	0%	3.65					ERP, SRF, LCBP
149 Barre City	1,4	Underground infiltration basin in northwest corner of parking lot	IB/CB		23.2	44.8	13934	25%	10450	38.70	25%	29.03	\$536,000		\$154	\$55,393	ERP, SRF, LCBP
150 Barre City			CB/OF		5.2	12.0	1086	0%	1086	3.02	0%	3.02					ERP, SRF, LCBP
176 Barre City	4		CB		16.4	44.3	9738	0%	9738	27.05	0%	27.05					ERP, SRF, LCBP
223 Barre City			CB		5.3	9.7	968	0%	968	2.69	0%	2.69					ERP, SRF, LCBP
224 Barre City			OF/CB		5.0	15.8	1262	0%	1262	3.51	0%	3.51					ERP, SRF, LCBP
225 Barre City			OF/CB		3.7	10.5	708	0%	708	1.97	0%	1.97					ERP, SRF, LCBP
226 Barre City			OF/CB		3.8	14.9	935	0%	935	2.60	0%	2.60					ERP, SRF, LCBP
227 Barre City			CB		0.4	60.1	348	0%	348	0.97	0%	0.97					ERP, SRF, LCBP
228 Barre City			OF/CB		1.0	23.6	350	0%	350	0.97	0%	0.97					ERP, SRF, LCBP
229 Barre City			CB		2.4	49.6	1550	0%	1550	4.30	0%	4.30					ERP, SRF, LCBP
230 Barre City			CB		1.4	67.2	1236	0%	1236	3.43	0%	3.43					ERP, SRF, LCBP
231 Barre City			CB		1.1	78.9	1135	0%	1135	3.15	0%	3.15					ERP, SRF, LCBP
232 Barre City			OF		1.0	8.2	164	0%	164	0.46	0%	0.46					ERP, SRF, LCBP
233 Barre City			OF		1.2	47.2	741	0%	741	2.06	0%	2.06					ERP, SRF, LCBP
234 Barre City			CB		1.5	20.2	471	0%	471	1.31	0%	1.31					ERP, SRF, LCBP
235 Barre City			OF		1.2	28.5	497	0%	497	1.38	0%	1.38					ERP, SRF, LCBP
236 Barre City			CB		0.7	54.3	491	0%	491	1.37	0%	1.37					ERP, SRF, LCBP
237 Barre City			OF		0.2	49.4	163	0%	163	0.45	0%	0.45					ERP, SRF, LCBP
238 Barre City			OF		2.2	22.4	728	0%	728	2.02	0%	2.02					ERP, SRF, LCBP
239 Barre City			OF		1.1	21.9	347	0%	347	0.96	0%	0.96					ERP, SRF, LCBP
240 Barre City			OF		1.2	15.9	307	0%	307	0.85	0%	0.85					ERP, SRF, LCBP
241 Barre City			OF		1.5	50.7	1031	0%	1031	2.86	0%	2.86					ERP, SRF, LCBP
242 Barre City			OF		0.8	26.2	319	0%	319	0.89	0%	0.89					ERP, SRF, LCBP
243 Barre City			CB		2.1	76.5	2066	0%	2066	5.74	0%	5.74					ERP, SRF, LCBP

Target Maps

*Showing Priority Action List
Drainage Areas*















And Potential Retrofit Locations

Legend




 Drainage Area

 River Corridors



Stormwater Features

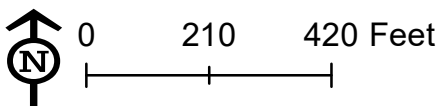
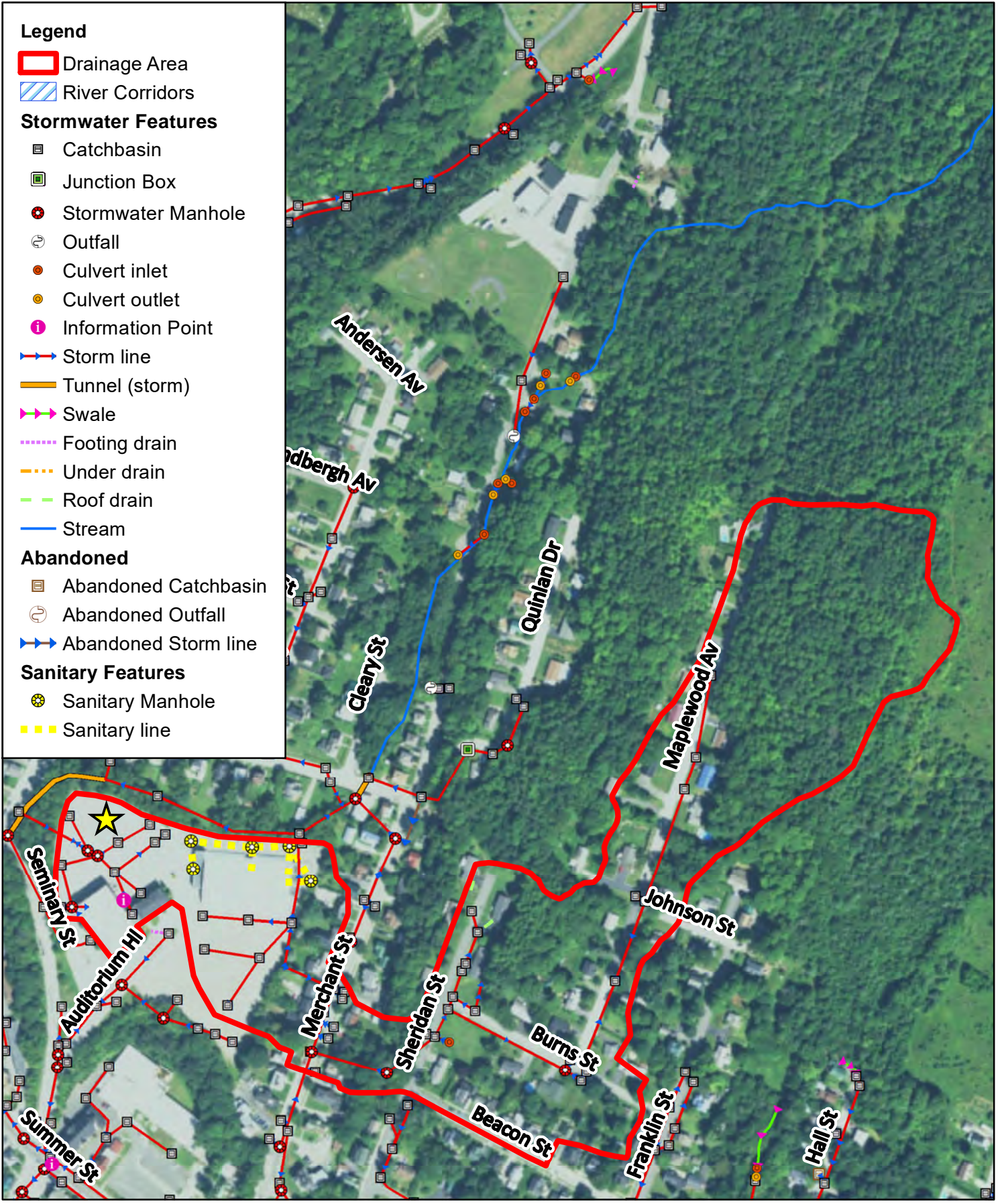
-  Catchbasin
-  Junction Box
-  Stormwater Manhole
-  Outfall
-  Culvert inlet
-  Culvert outlet
-  Information Point
-  Storm line
-  Tunnel (storm)
-  Swale
-  Footing drain
-  Under drain
-  Roof drain
-  Stream

Abandoned

-  Abandoned Catchbasin
-  Abandoned Outfall
-  Abandoned Storm line

Sanitary Features

-  Sanitary Manhole
-  Sanitary line



Auditorium and Ice Rink
Central VT SWMP - Three Towns
Barre City, VT



Map Produced: 12/01/2017

**NOT FOR
CONSTRUCTION
PRELIMINARY
PLANS**

NO.	DATE	DESCRIPTION	BY	CHK'D

CENTRAL VERMONT
STORMWATER
MASTER PLAN

STORMWATER
MASTER PLAN

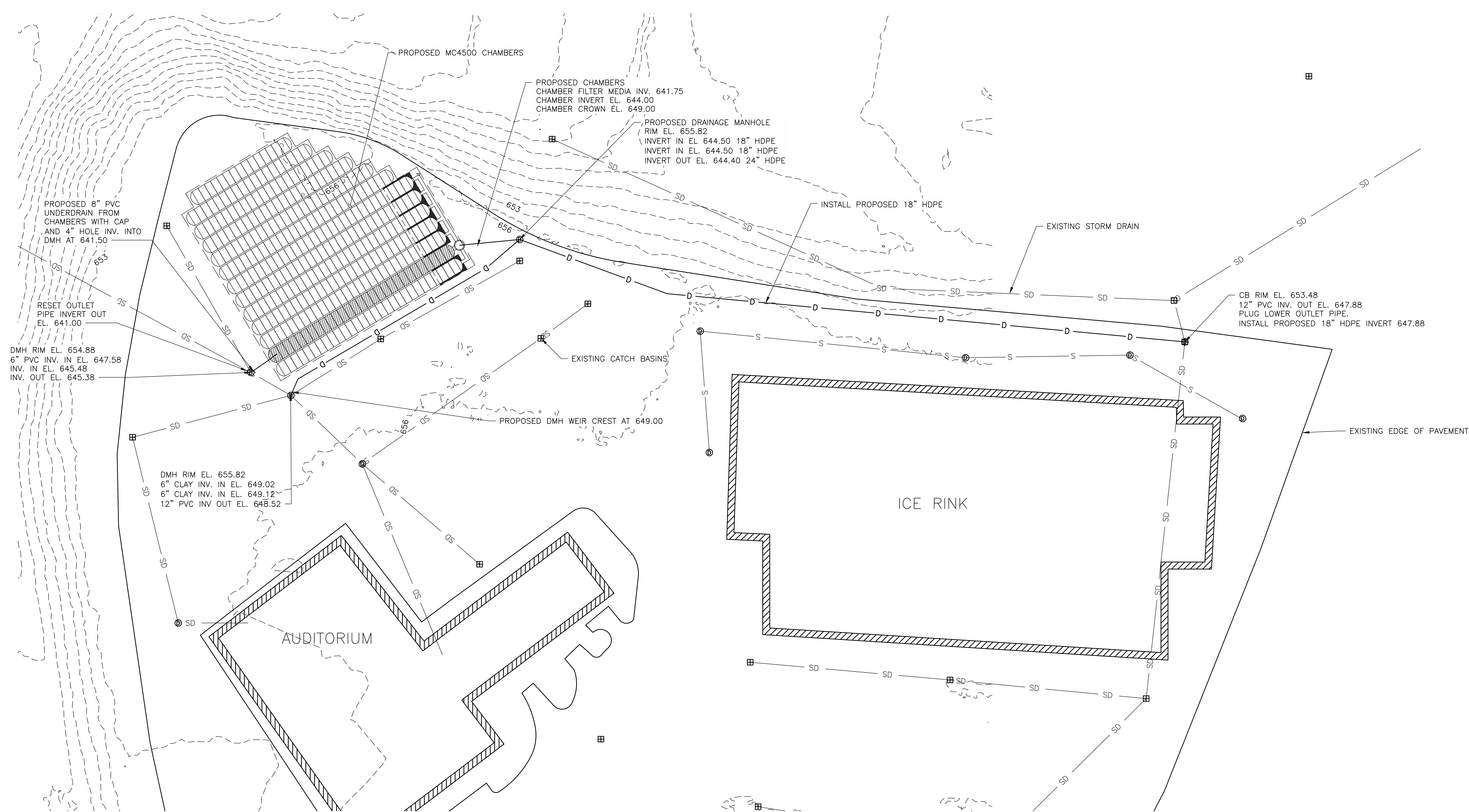
SHEET TITLE
**AUDITORIUM
AND ICE RINK
SITE PLAN**

DRAWN BY AS	DATE JAN. 2018
CHECKED BY ATH	D&K PROJECT # 123722
PROJ. ENG. ATH	D&K ARCHIVE #

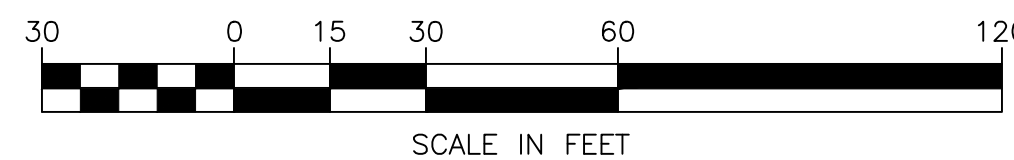
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SHEET 2 OF 7

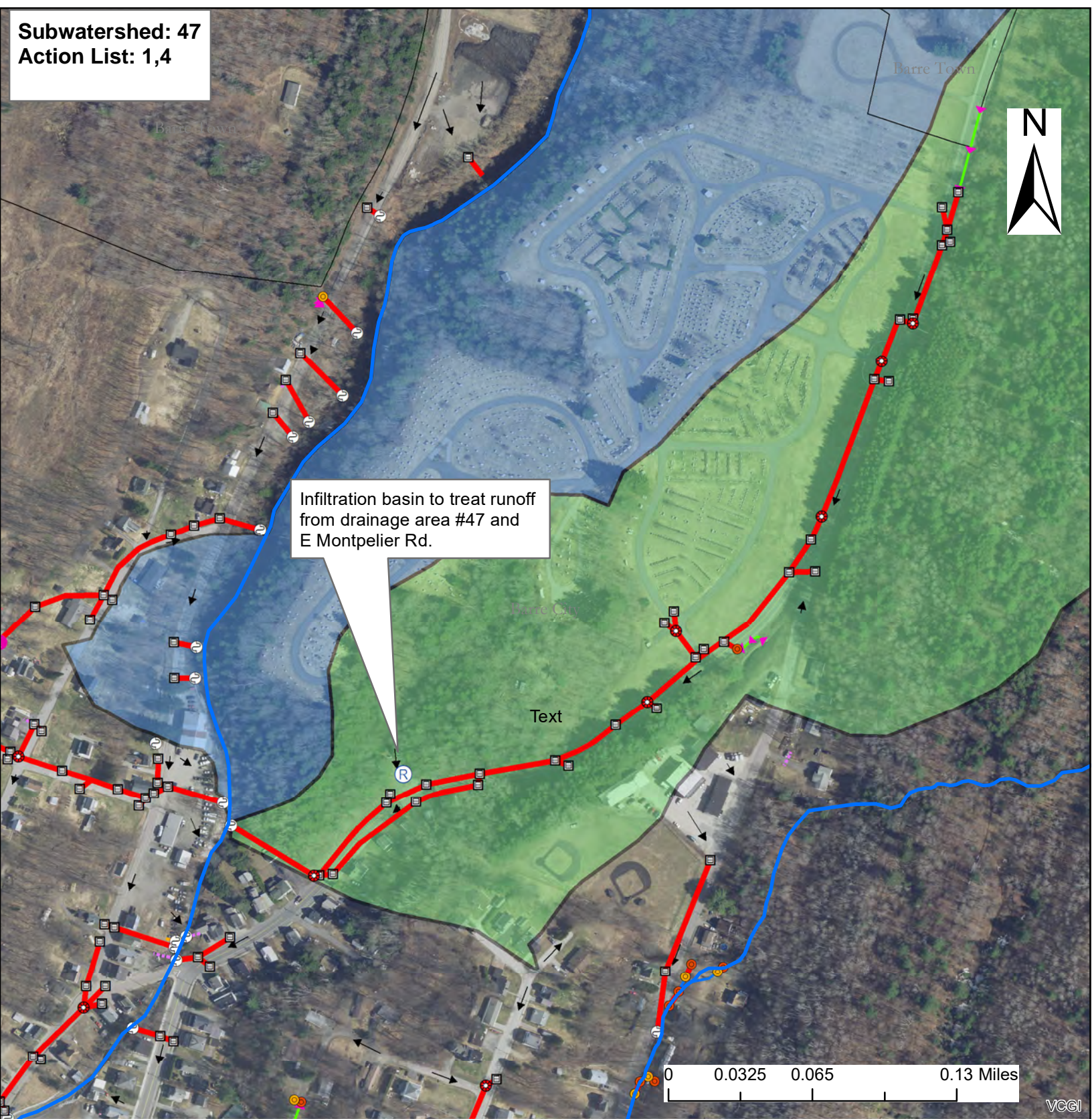


**AUDITORIUM AND ICE RINK
SITE PLAN**



ADDRESS:
AUDITORIUM HILL, BARRE CITY, VT

Subwatershed: 47
Action List: 1,4



Infiltration basin to treat runoff from drainage area #47 and E Montpelier Rd.

Gunner Brook Barre, VT

DEC Stormwater Infrastructure Mapping Project

This map shows high priority subwatersheds which are ranked by connectedness, percent of impervious cover, field observations, and potential retrofit measures and locations.

The data shown on this map is only as accurate as the available sources and field observations allowed and should be used as a basic planning level tool only.

Stormwater points

- Pipe Cross (not connected)
- Catchbasin
- Dry Well
- Drop Inlet
- Grate/Curb Inlet
- Yard drain
- CB tied to sanitary sewer
- Junction Box
- Stormwater Manhole
- Outfall
- Culvert inlet
- Culvert outlet
- Control Structure
- Treatment feature (see notes)
- Retrofit
- Unknown Point
- Information Point

Stormwater line

- Storm line
- Storm line (old Sanitary line)
- Tunnel (storm)
- Combined sewer
- Sanitary line
- Swale
- Footing drain
- Under drain
- Roof drain
- Infiltration pipe
- French drain
- Trench drain
- Emergency spillway
- Stream
- Overland flow

SubwatershedID


- Priority Subwatershed
- Stormwater Treatment Area
- Potential Stormwater Treatment Area

NRCS Soils

- Gunner Brook

Creator: Jim Pease, David Ainley
DEC - WID - Clean Water Initiative Program
Plotted Date: 10/15/2021
Data Sources: VTRANS Roads data, VT Hydrography data set, DEC Stormwater database, NRCS soils survey
Imagery Source: VCGI Best Available Imagery

Legend

 Drainage Area

 River Corridors

Stormwater Features

 Catchbasin

 Drop Inlet

 Culvert inlet

 Culvert outlet

 Information Point

 Storm line

 Swale

 Footing drain

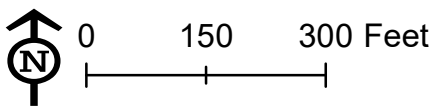
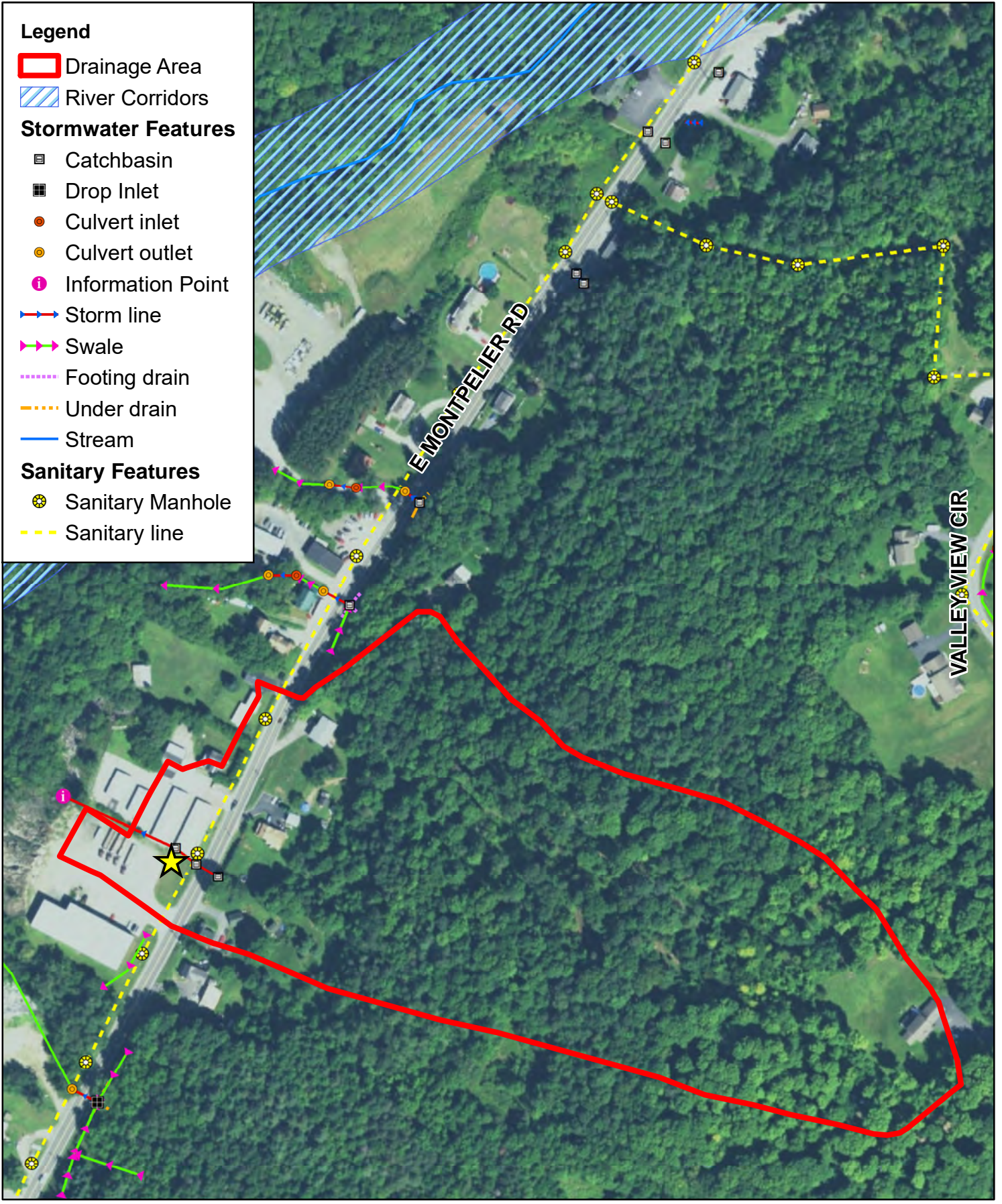
 Under drain

 Stream

Sanitary Features

 Sanitary Manhole

 Sanitary line




Trio and Cubesmart Storage
Central VT SWMP - Three Towns
Barre Town, VT



Map Produced: 12/20/2017

Sites that are outside the Barre urbanized area and do not have modeling but are suggested in the Stormwater Master Plans for Barre Town and Plainfield.

Legend

 Drainage Area

Stormwater Features

 Catchbasin

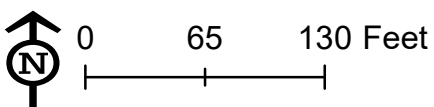
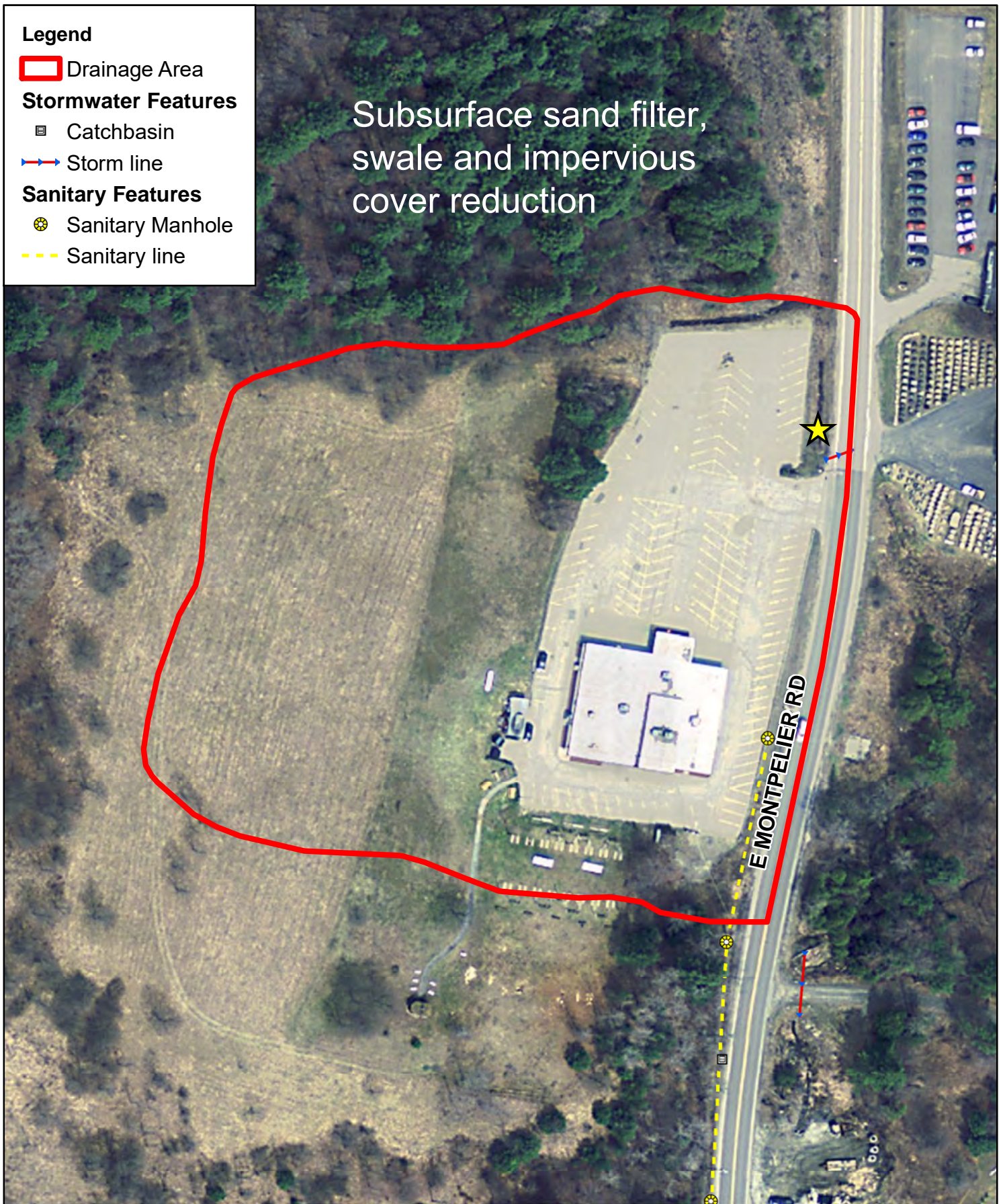
 Storm line

Sanitary Features

 Sanitary Manhole

 Sanitary line

Subsurface sand filter,
swale and impervious
cover reduction



Canadian Club
Central VT SWMP - Three Towns
Barre Town, VT



Map Produced: 12/20/2017

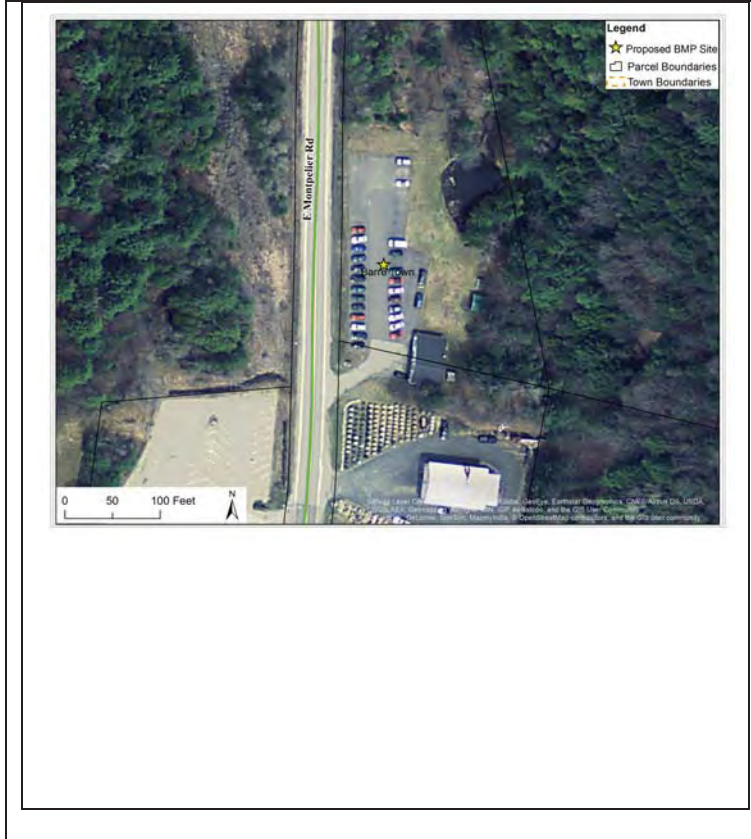
BMP Summary Sheet		BMP ID #:	19
Site name: Browning Stone		Municipality:	Barre Town
Approximate address:	424 E Montpelier Rd		Assessment Date
Proposed BMP type:		Cistern	
Proposed BMP description:		Proposed BMP details	
Gutter roof and add cistern for water reuse.		Current site type	Commercial
		Relative drainage area	Small
		Impervious area (approx %)	High
		BMP pollutant reduction	Low
		BMP design required	Minimal
		Hydrologic soil group	C
		Proximity to water	Low
		Stormwater permit?	No
		Pollution visible	
		Land owner where BMP is located	Private
		If existing, BMP type	
		Relative project cost	Low
		Retrofit priority	Low
		Project score	94
		Project rank by municipality	41
Site Description			
private, not permitted, stone work			
Feasibility concerns:			
Ownership of Site			

Site map	Site photo
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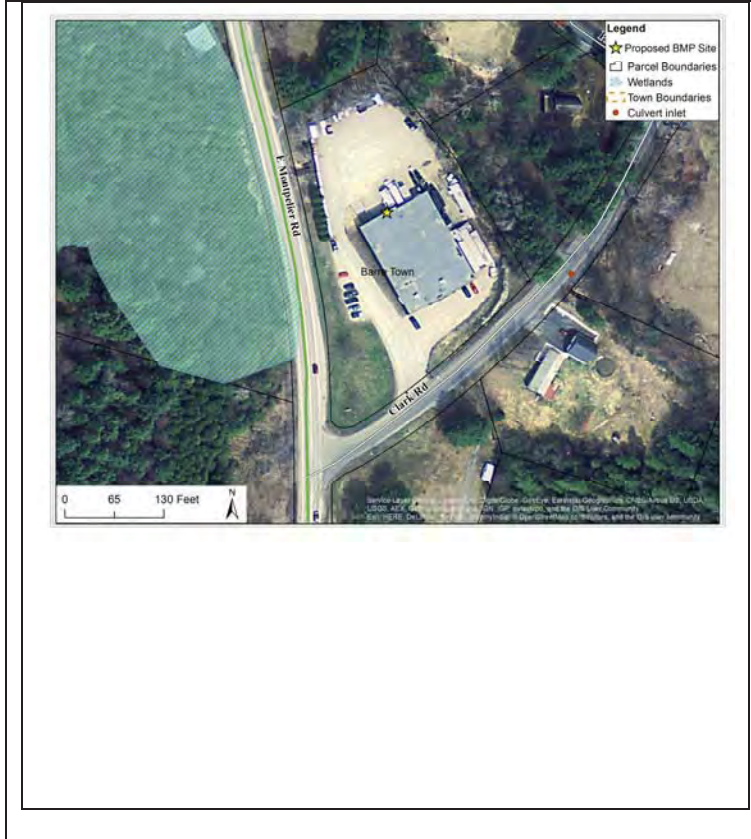
BMP Summary Sheet		BMP ID #:	31
Site name: Eastman Auto		Municipality:	Barre Town
Approximate address:	431 E Montpelier Rd	Assessment Date	2017-06-02
Proposed BMP type:	Infiltration Trench, Cistern		
Proposed BMP description:	Construct infiltration trench along roadside in front of parking area and Browning Stone to capture runoff from Eastman's Auto. Gutter roof and direct to cistern. Rainwater can be used for car washing.		
Site Description	private, not permitted, car dealership		
Feasibility concerns:	Ownership of Site, Utilities		
		Proposed BMP details	
		Current site type	Commercial
		Relative drainage area	Small
		Impervious area (approx %)	Medium
		BMP pollutant reduction	Medium
		BMP design required	Minimal
		Hydrologic soil group	B
		Proximity to water	Low
		Stormwater permit?	No
		Pollution visible	
		Land owner where BMP is located	Private
		If existing, BMP type	
		Relative project cost	Low
		Retrofit priority	Low
		Project score	83
		Project rank by municipality	53

Site map	Site photo
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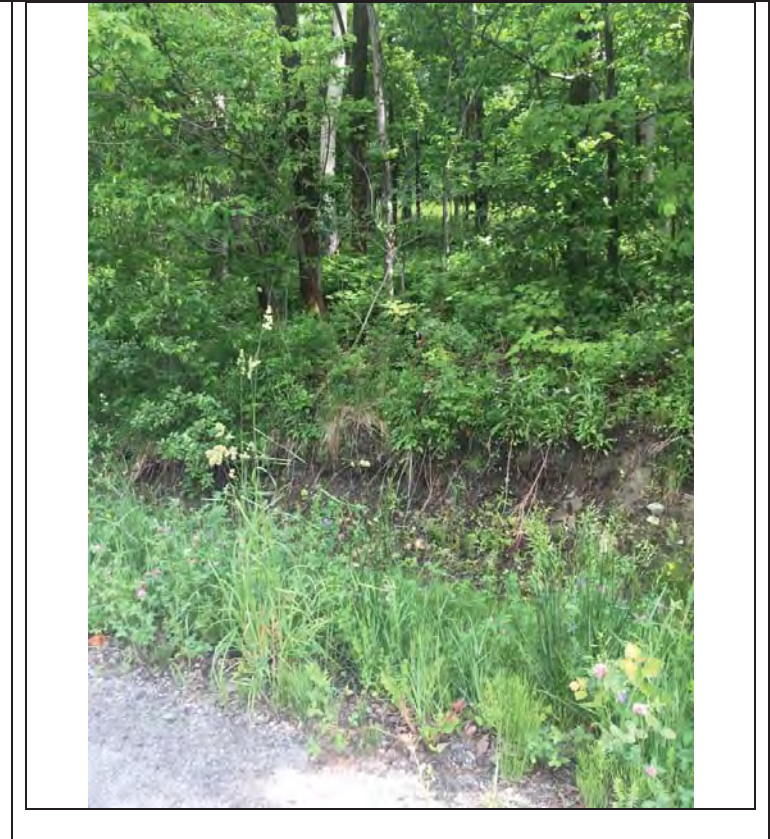
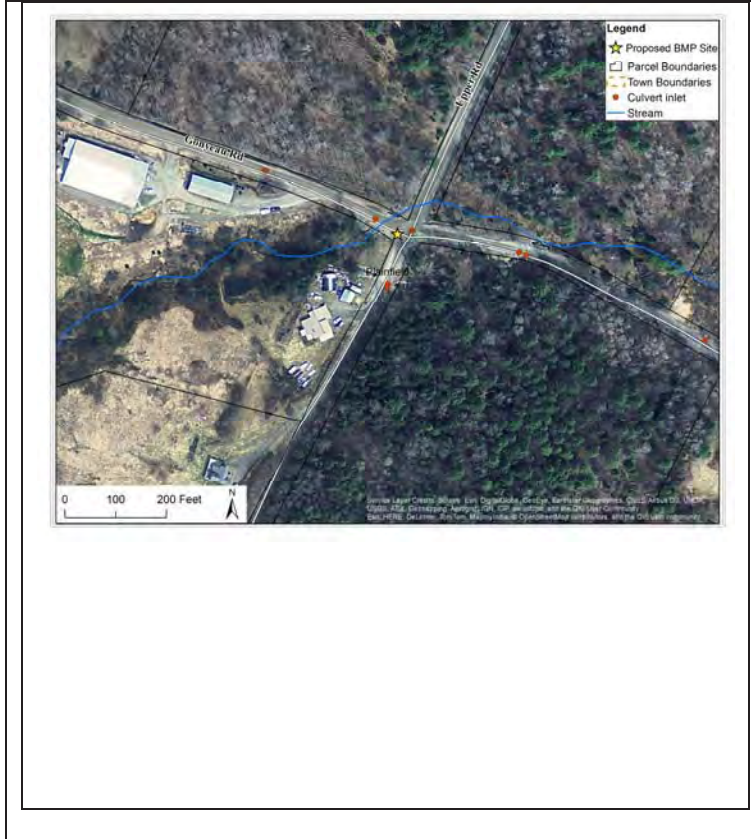
BMP Summary Sheet		BMP ID #:	32
Site name:	F.W. Webb Co	Municipality:	Barre Town
Approximate address:	10 Clark Rd	Assessment Date	2017-06-02
Proposed BMP type:	Infiltration Basin		
Proposed BMP description:	Construct linear grass infiltration basin with overflow to existing culvert.		
Site Description	private, not permitted, pretty well vegetated, not a large volume		
Feasibility concerns:	Ownership of Site, Wetlands Across Street		
	Proposed BMP details		
	Current site type	Commercial	
	Relative drainage area	Small	
	Impervious area (approx %)	Medium	
	BMP pollutant reduction	Medium	
	BMP design required	Minimal	
	Hydrologic soil group	B	
	Proximity to water	Low	
	Stormwater permit?	No	
	Pollution visible		
	Land owner where BMP is located	Private	
	If existing, BMP type		
	Relative project cost	Low	
	Retrofit priority	Low	
	Project score	83	
	Project rank by municipality	53	

Site map	Site photo
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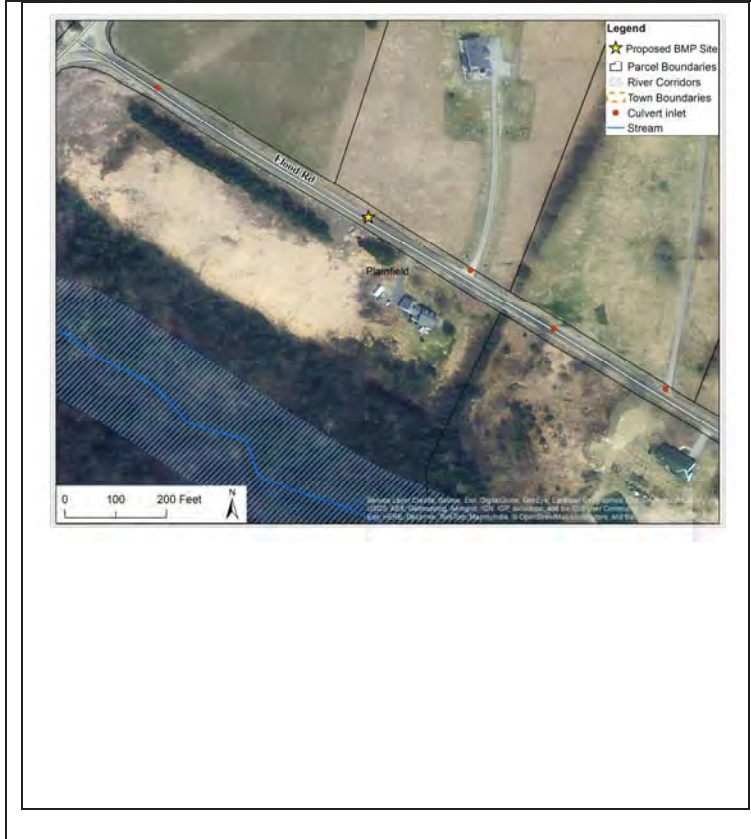
BMP Summary Sheet		BMP ID #:	22																														
Site name:	Gonyeau Rd near Upper Rd	Municipality:	Plainfield																														
Approximate address:	Gonyeau Rd and Upper Rd	Assessment Date	2017-06-20																														
Proposed BMP type:	Swale Improvements																																
Proposed BMP description:	<p>Stone line roadside ditch and add check dams. Stone line ditch and add check dams along Gonyeau Rd (both sides around intersection).</p>																																
Proposed BMP details	<table border="1"> <tr> <td>Current site type</td> <td>Road / ROW</td> </tr> <tr> <td>Relative drainage area</td> <td>Medium</td> </tr> <tr> <td>Impervious area (approx %)</td> <td>Low</td> </tr> <tr> <td>BMP pollutant reduction</td> <td>Low</td> </tr> <tr> <td>BMP design required</td> <td>Medium</td> </tr> <tr> <td>Hydrologic soil group</td> <td>D</td> </tr> <tr> <td>Proximity to water</td> <td>High</td> </tr> <tr> <td>Stormwater permit?</td> <td>No</td> </tr> <tr> <td>Pollution visible</td> <td></td> </tr> <tr> <td>Land owner where BMP is located</td> <td>Town /City</td> </tr> <tr> <td>If existing, BMP type</td> <td></td> </tr> <tr> <td>Relative project cost</td> <td>Medium</td> </tr> <tr> <td>Retrofit priority</td> <td>Medium</td> </tr> <tr> <td>Project score</td> <td>81</td> </tr> <tr> <td>Project rank by municipality</td> <td>38</td> </tr> </table>			Current site type	Road / ROW	Relative drainage area	Medium	Impervious area (approx %)	Low	BMP pollutant reduction	Low	BMP design required	Medium	Hydrologic soil group	D	Proximity to water	High	Stormwater permit?	No	Pollution visible		Land owner where BMP is located	Town /City	If existing, BMP type		Relative project cost	Medium	Retrofit priority	Medium	Project score	81	Project rank by municipality	38
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Site Description	<p>D soils, ROW, moderate steepness, no permit, noted by town: Town noted newly replaced culvert is too small, assess contributing stormwater impacts.</p>																																
Feasibility concerns:	<p>Proximity to Stream, Poor Soils, Space, Utilities</p>																																

Site map	Site photo
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BMP Summary Sheet		BMP ID #:	16
Site name:	Flood Rd Swale	Municipality:	Plainfield
Approximate address:	Flood Rd, east of intersection with Lower Rd	Assessment Date	2017-06-09
Proposed BMP type:	Swale enhancements		
Proposed BMP description:	<p>Stone armor existing swale and add check dams to reduce stormwater velocity, prevent erosion, and allow for settling of materials. Road is steep and swale is currently eroding.</p>		
Site Description	<p>Roadside swale</p>		
Feasibility concerns:	<p></p>		
		Proposed BMP details	
		Current site type	Road / ROW
		Relative drainage area	Small
		Impervious area (approx %)	Medium
		BMP pollutant reduction	Low
		BMP design required	Minimal
		Hydrologic soil group	D
		Proximity to water	Low
		Stormwater permit?	No
		Pollution visible	Excessive Erosion
		Land owner where BMP is located	Town /City
		If existing, BMP type	
		Relative project cost	Low
		Retrofit priority	Low
		Project score	90
		Project rank by municipality	25

Site map	Site photo
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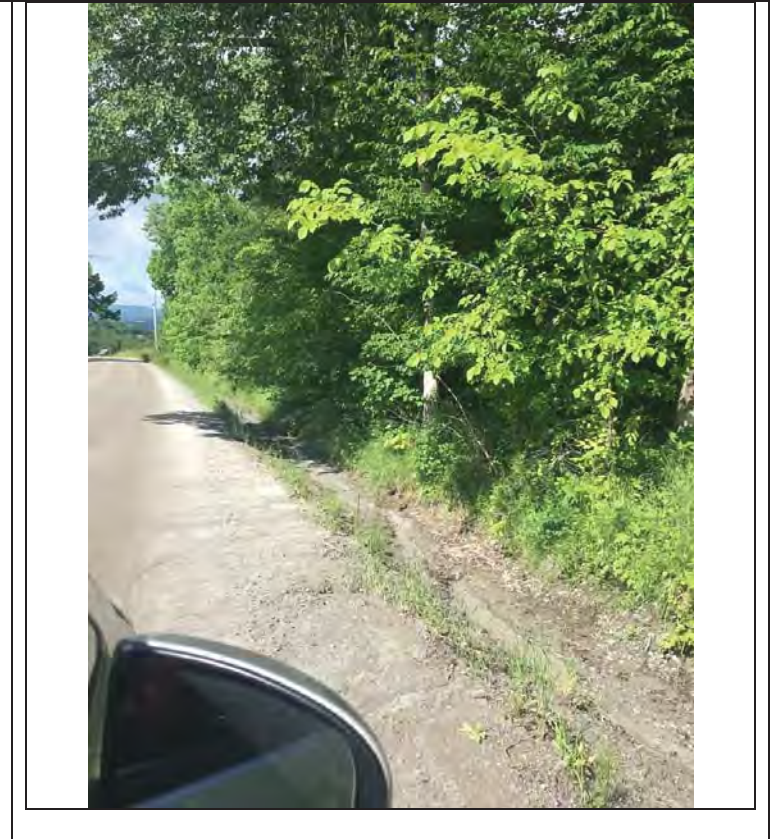
BMP Summary Sheet		BMP ID #:	21
Site name: Gonyeau Rd		Municipality:	Plainfield
Approximate address:	Gonyeau Rd	Assessment Date	2017-06-20
Proposed BMP type:	Road Resurfacing, Vegetated Swale, Swale Improvements		
Proposed BMP description:		Proposed BMP details	
Town noted class 4 road is eroding. There is a spring running down middle of unimproved road. Redirect water off road into stone lined or vegetated channel. Regrade road. Consider resurfacing road with appropriate material (i.e., stay mat).		Current site type	Road / ROW
Site Description		Relative drainage area	Medium
public ROW, relatively steep, no permit, noted by town		Impervious area (approx %)	Low
Feasibility concerns:		BMP pollutant reduction	Medium
Poor Soils		BMP design required	Medium
		Hydrologic soil group	C
		Proximity to water	Medium
		Stormwater permit?	No
		Pollution visible	Excessive Erosion
		Land owner where BMP is located	Town /City
		If existing, BMP type	
		Relative project cost	Medium
		Retrofit priority	Medium
		Project score	74
		Project rank by municipality	42

Site map	Site photo
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BMP Summary Sheet		BMP ID #:	28
Site name: Middle Rd Ditch		Municipality:	Plainfield
Approximate address:	Middle Rd	Assessment Date	2017-06-20
Proposed BMP type: Swale Improvements, Cross Culvert			
Proposed BMP description:		Proposed BMP details	
Formalize roadside ditch. Add cross culverts to distribute road runoff to vegetated areas. Stone line ditch and add check dams.		Current site type	Road / ROW
		Relative drainage area	Small
		Impervious area (approx %)	Low
		BMP pollutant reduction	Low
		BMP design required	Minimal
		Hydrologic soil group	C
		Proximity to water	Low
		Stormwater permit?	No
		Pollution visible	
		Land owner where BMP is located	Town /City
		If existing, BMP type	
		Relative project cost	Low
		Retrofit priority	Low
		Project score	84
		Project rank by municipality	32
Site Description			
Ditches along Middle Rd, road runoff			
Feasibility concerns:			
Space			

Site map	Site photo
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BMP Summary Sheet		BMP ID #:	40
Site name:	L&D Safety Marking Corporation	Municipality:	Barre Town
Approximate address:	304 E Montpelier Rd	Assessment Date	2017-06-02
Proposed BMP type:	Infiltration Trench, Vegetated Swale, Cistern / Rain Barrel, Dry Well		
Proposed BMP description:	<p>Direct roof runoff to cistern or dry well for lower building. Construct infiltration trench and swale along parking lot to the left of the driveway.</p>		
Site Description	A soils, private, not permitted		
Feasibility concerns:	Ownership of Site		
		Proposed BMP details	
		Current site type	Commercial
		Relative drainage area	Small
		Impervious area (approx %)	Medium
		BMP pollutant reduction	Medium
		BMP design required	Medium
		Hydrologic soil group	A
		Proximity to water	High
		Stormwater permit?	No
		Pollution visible	
		Land owner where BMP is located	Private
		If existing, BMP type	
		Relative project cost	Low
		Retrofit priority	Low
		Project score	89
		Project rank by municipality	47

Site map	Site photo
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BMP Summary Sheet		BMP ID #:	47
Site name: Upper Rd near Gonyeau Rd		Municipality:	Plainfield
Approximate address:	Gonyeau Rd and Upper Rd		Assessment Date
		2017-06-20	
Proposed BMP type:	Swale Improvements		
Proposed BMP description:		Proposed BMP details	
Stone line roadside ditch and add check dams. Along Upper Rd, add stone lined stormwater turnouts to vegetated areas prior to stream spaced along road dependent on grade.		Current site type	Road / ROW
		Relative drainage area	Medium
		Impervious area (approx %)	Low
		BMP pollutant reduction	Medium
		BMP design required	Medium
		Hydrologic soil group	D
		Proximity to water	High
		Stormwater permit?	No
		Pollution visible	
		Land owner where BMP is located	Town /City
		If existing, BMP type	
		Relative project cost	Low
		Retrofit priority	Medium
		Project score	101
		Project rank by municipality	13
Site Description			
D soils, ROW, moderate steepness, no permit, noted by town: Town noted newly replaced culvert is too small, assess contributing stormwater impacts.			
Feasibility concerns:			
Proximity to Stream, Poor Soils, Space, Utilities			

Site map	Site photo
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