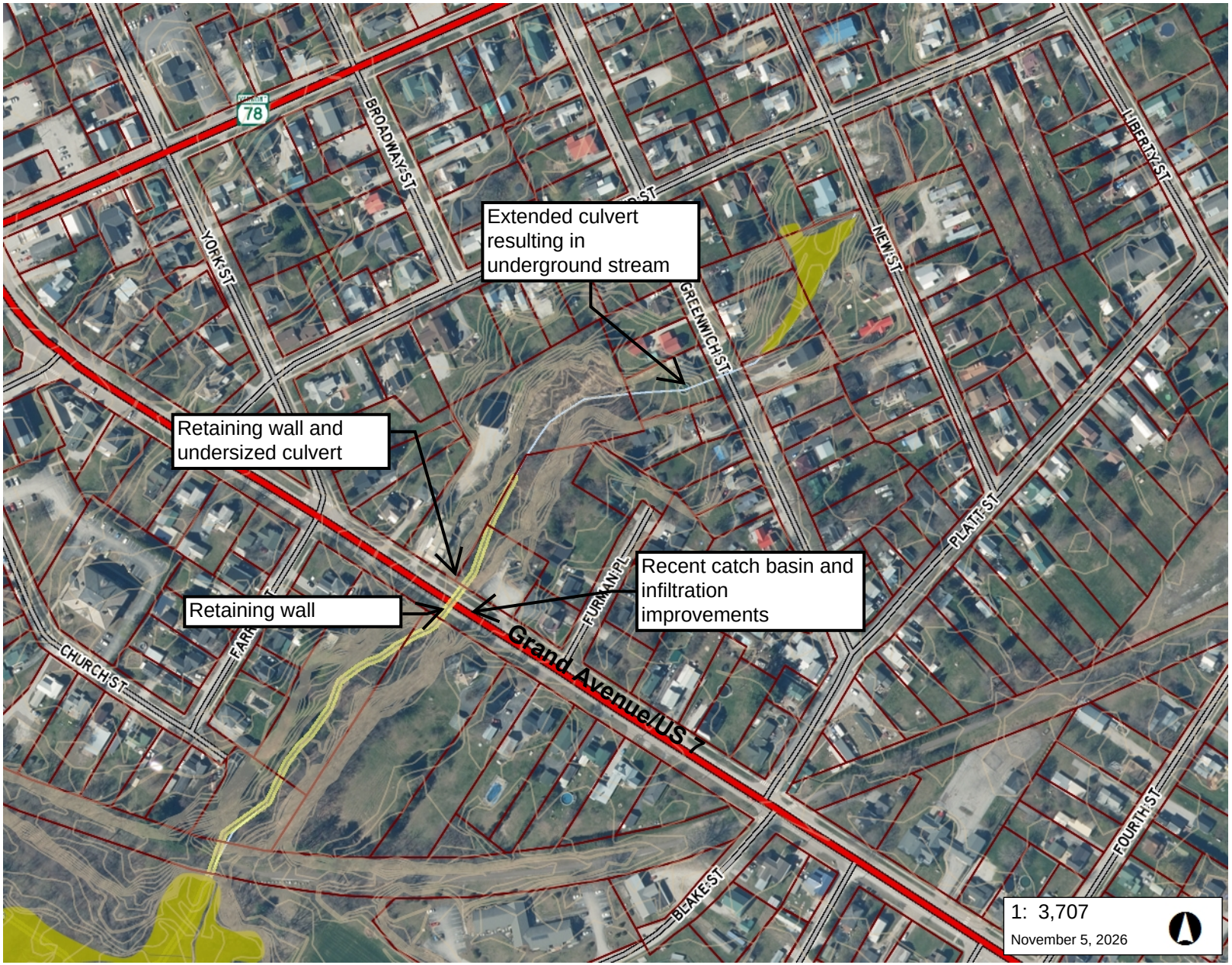
VERMONT

Natural Resources Atlas

Vermont Agency of Natural Resources

PORTION OF SWANTON VILLAGE

vermont.gov





LEGEND

Contours - LiDAR 1ft.
- Contour Line, Index Major
- Contour Line, Index Minor
- Contour Line, Intermediate Even
- Contour Line, Intermediate Odd

Wetland - VSWI
- Class 1 Wetland
- Class 2 Wetland
- Wetland Buffer

River Corridors (Aug 27, 2019)
- .5 - 2 sqmi.
- .25-.5 sqmi.

Parcels (standardized)

Stream
- Stream
- Intermittent Stream

Roads
- Interstate
- US Highway; 1
- State Highway
- Town Highway (Class 1)
- Town Highway (Class 2,3)
- Town Highway (Class 4)
- State Forest Trail
- National Forest Trail
- Legal Trail
- Private Road/Driveway
- Proposed Roads

NOTES

Map created using ANR's Natural Resources Atlas

188.0 0 94.00 188.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 309 Ft. 1cm = 37 Meters

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THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

Problem Area Data Sheet

Problem Area ID:	**MQ 2**	Latitude: 44.916263 N	Longitude: 73.120755 W
Watershed:	Tinker's Brook		
Road Name:	Grand Ave		
Problem Type:	Local Drainage		
Identification Source:	Town Feedback		
Ownership:	Local		
Classification Level:	2b/3		

Problem Description:

Tinker's Brook/Ravine on Grand Ave.

Date of Field Data Collection: 5/30/2012

Field Photos



Photo 1. Stormwater pipe outfall into ravine



Photo 2. Box culvert running under Grand Ave.

Description of Observed Conditions:

Storm water entering ravine through a 24" plastic pipe from southwest corner of Grand Ave. 36" wide box culvert flowing directly under road. Ravine serves as storm water conveyance for runoff from the 2nd St and Liberty St. neighborhoods. Further investigation is needed to fully understand the source(s) of stormwater discharged to the brook.

4.3.9. Grand Avenue (Village)

Stormwater runoff from 0.3 acres of Grand Ave., between Farrar St. and Furman Place, could be treated before draining to existing catch basin in the green strip. Stormwater drains toward the center of the block from both directions. Catch basins between the street and sidewalk collect stormwater on either side of Grand Ave. The predominant soil type is Windsor fine sand (HSG A) with a low water table. Given the well-drained soils and position of existing catch basins, stormwater from this section of Grand Ave., could be treated with an infiltration-based STP.

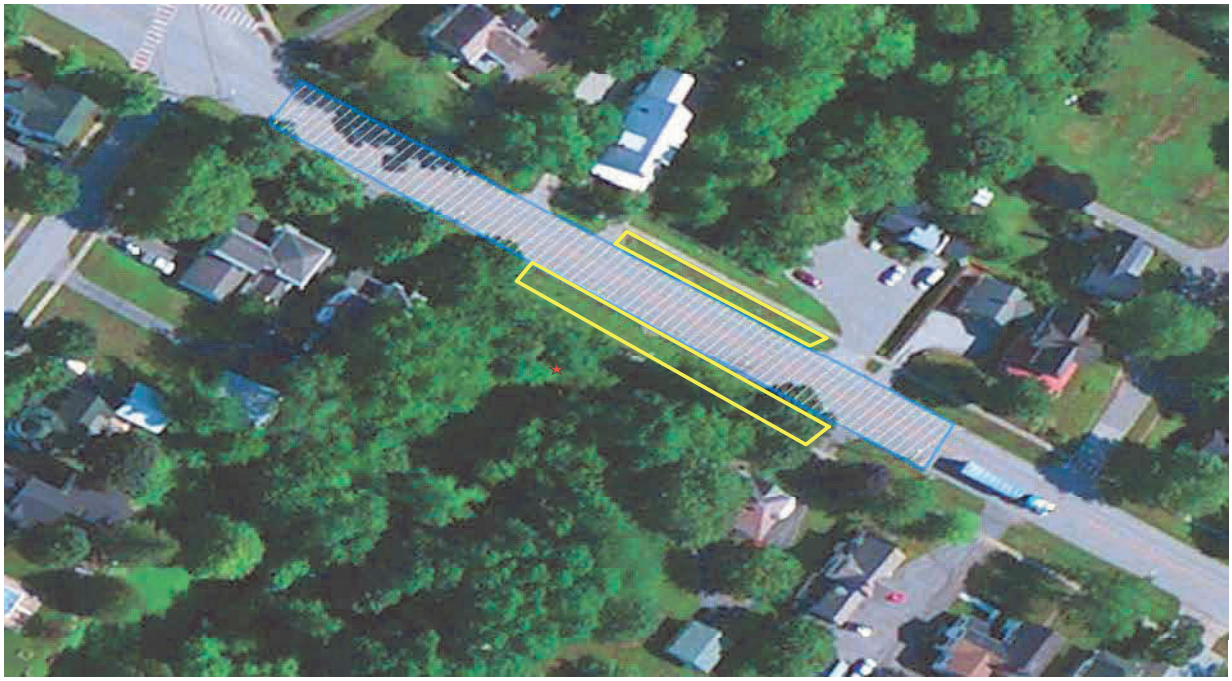


Figure 9. Grand Ave. stormwater could be treated with infiltration practices located between Farrar St. and Furnam Pl.

Unique ID	SWANTON-2
Town	Swanton
Project Location	Grand Ave
Project Category	Bank Stabilization
Description	Stormwater flow on Grand Avenue between Farrar Street and Furman Place currently do not have adequate space for water to flow under the road. There are at least 2 catch basins that outlet in the retaining wall on outlet side and spill into ravine. Stormwater could be treated in the green strips along the side of the road in infiltration based practices prior to draining to the existing catch basin. This is a combination bank stabilization, stormwater infrastructure, and structure replacement project.
Next Step Needed	Scoping Needed
Watershed Project Database ID	1556
Anticipated Cost Estimate	Unknown
Priority	Top
Photo 1	 *Figure 5. Outlet to the stormwater infrastructure into the ravine.*

Photo 2



Figure 6. opportunities for infiltration practices on either side of road in green space.

Unique ID	SWANTON-9
Town	Swanton
Project Location	Greenwich St
Project Category	GSI/Stormwater treatment
Description	There are two existing catch basins on Greenwich Avenue between Second Street and Platt Street that are well-situated to be utilized as part of a stormwater treatment practice. The soils in this area are well suited for an infiltration based practice and the existing catch basins could act as an overflow relief. Further investigation is needed to solidify solutions/ treatment options.
Next Step Needed	Scoping Needed
Watershed Project Database ID	1555
Anticipated Cost Estimate	Unknown
Priority	Top

Photo 1



Figure 7. opportunities for infiltration trenches on both sides of road in green space.