

# Capital Projects

	STORMWATER \$3,500,000
2018	CDBG Planning Grant Application & Award
2019	Preliminary Engineering Study
2020	Application for USDA RD Long-Term Financing
2021	USDA RD obligated Long-Term Financing at 1.25% Property Purchase (Titus Rd/Kendrick) Accepted SCSD Nature Center Donation Applied for GIGP 2021
2022	CFA Application incl. reapplying for GIGP Main Street Green Infrastructure Install small weirs, bioswales, ditches with ARPA Funds
2023	Engineering
2024	Target <b>Construction</b> of Main Street Green Infrastructure dependent on GIGP/EFC Grant Continuation of Stormwater Phases with WQIP & CDBG Grant Applications

## Stormwater

Planning Grant  
CDBG \$50,000  
Village \$ 2,500



Homes and  
Community Renewal

Stormwater Infrastructure Engineering Study Report

Village of Sherman

Chautauqua County, New York

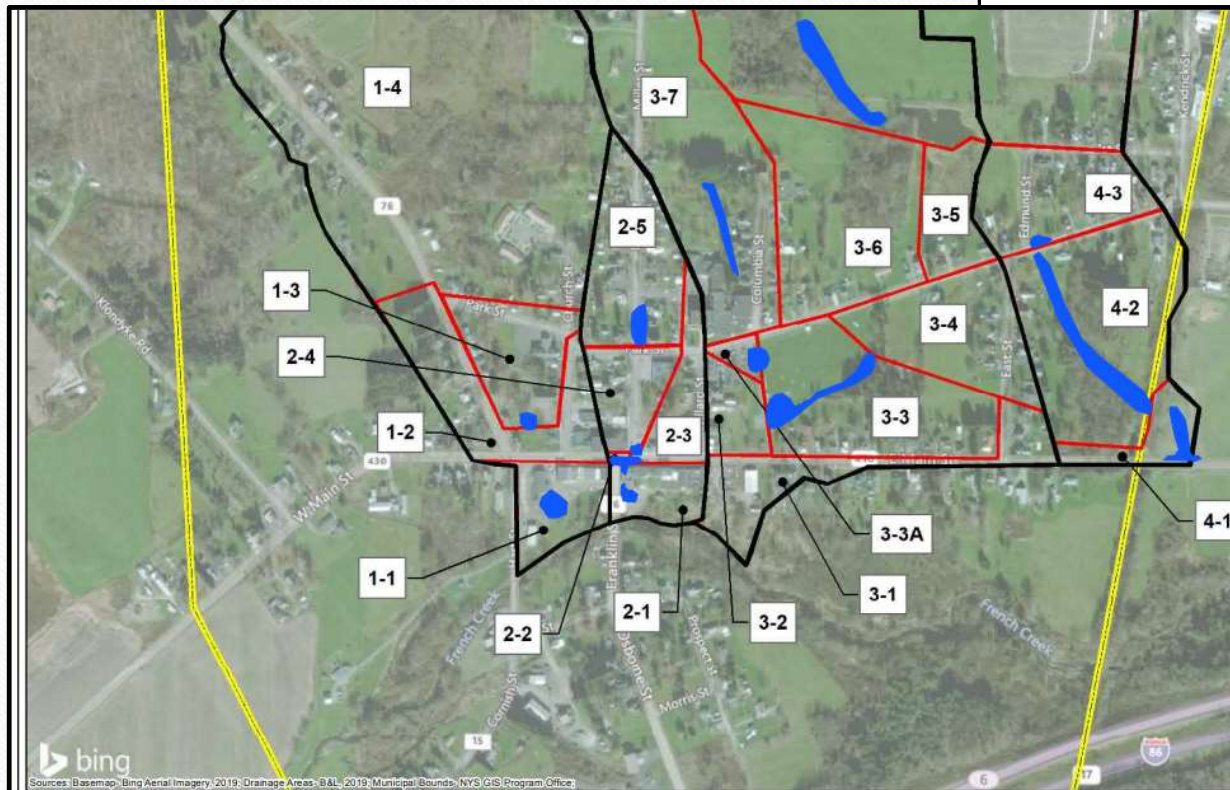
Prepared for

Village of Sherman

111A Mill Street

P.O. Box 568

Sherman, New York 14781



bing

Sources: Bing Aerial Imagery (2019); Drainage Areas (B&L) (2019); Municipal Bounds (NYS GIS Program Office)

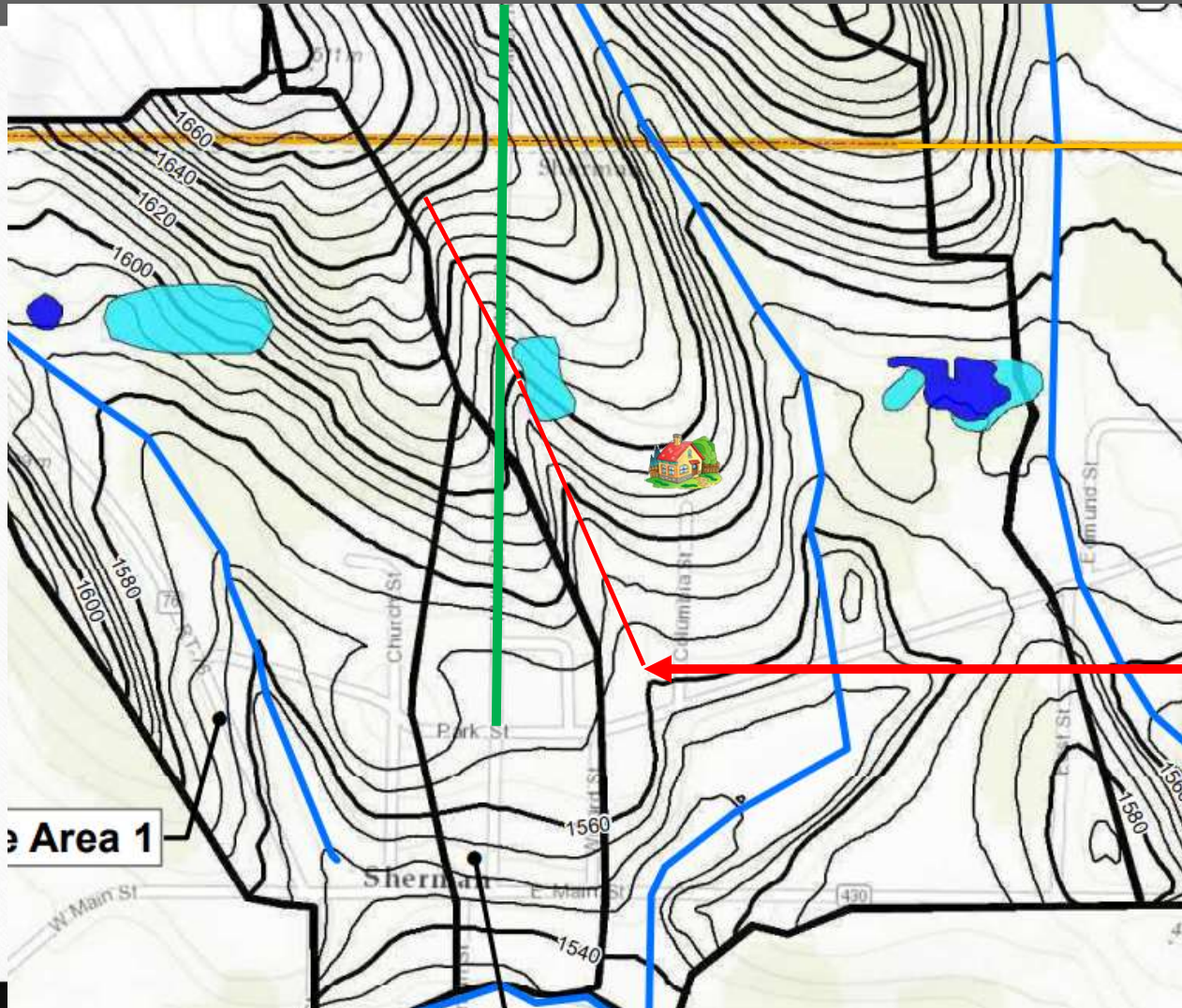
**Barton & Loguidice**



1 inch = 600 feet

Village of Sherman  
**10-Year Storm  
Areas With Potential Flooding Issues**  
Chautauqua County January 2020 New York

March 2020



Village Line

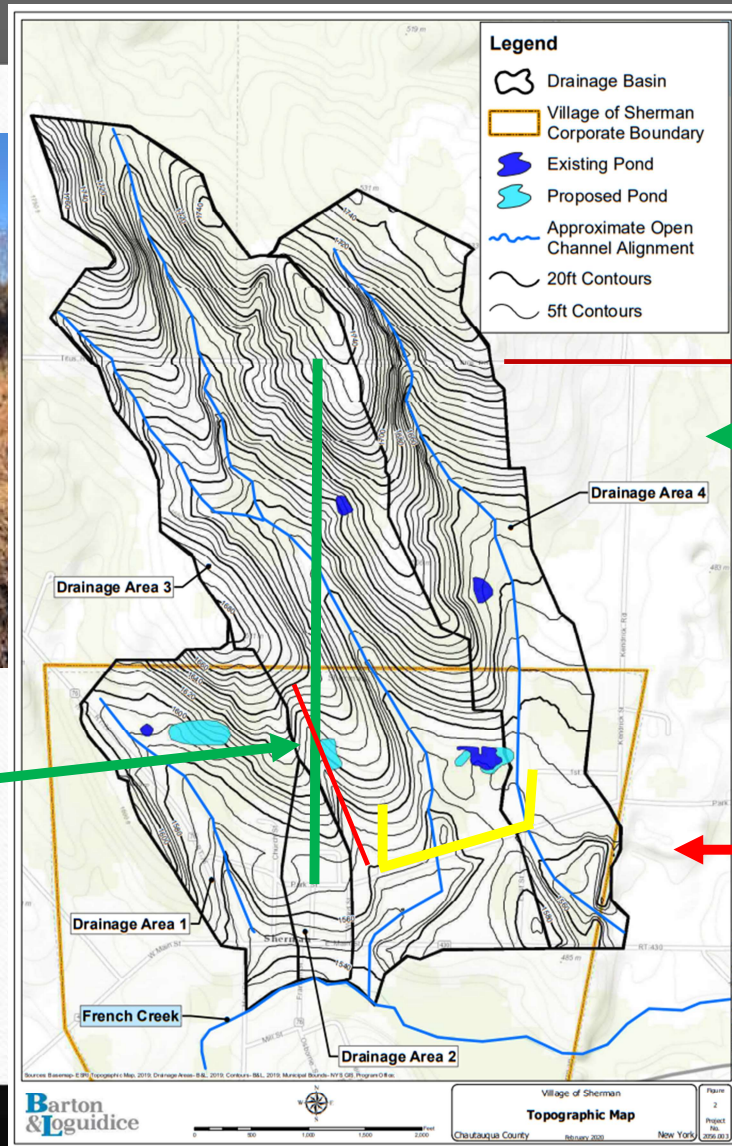
Top of   
Columbia St

Miller St



West Side of  
Columbia St

The   
Nature Center

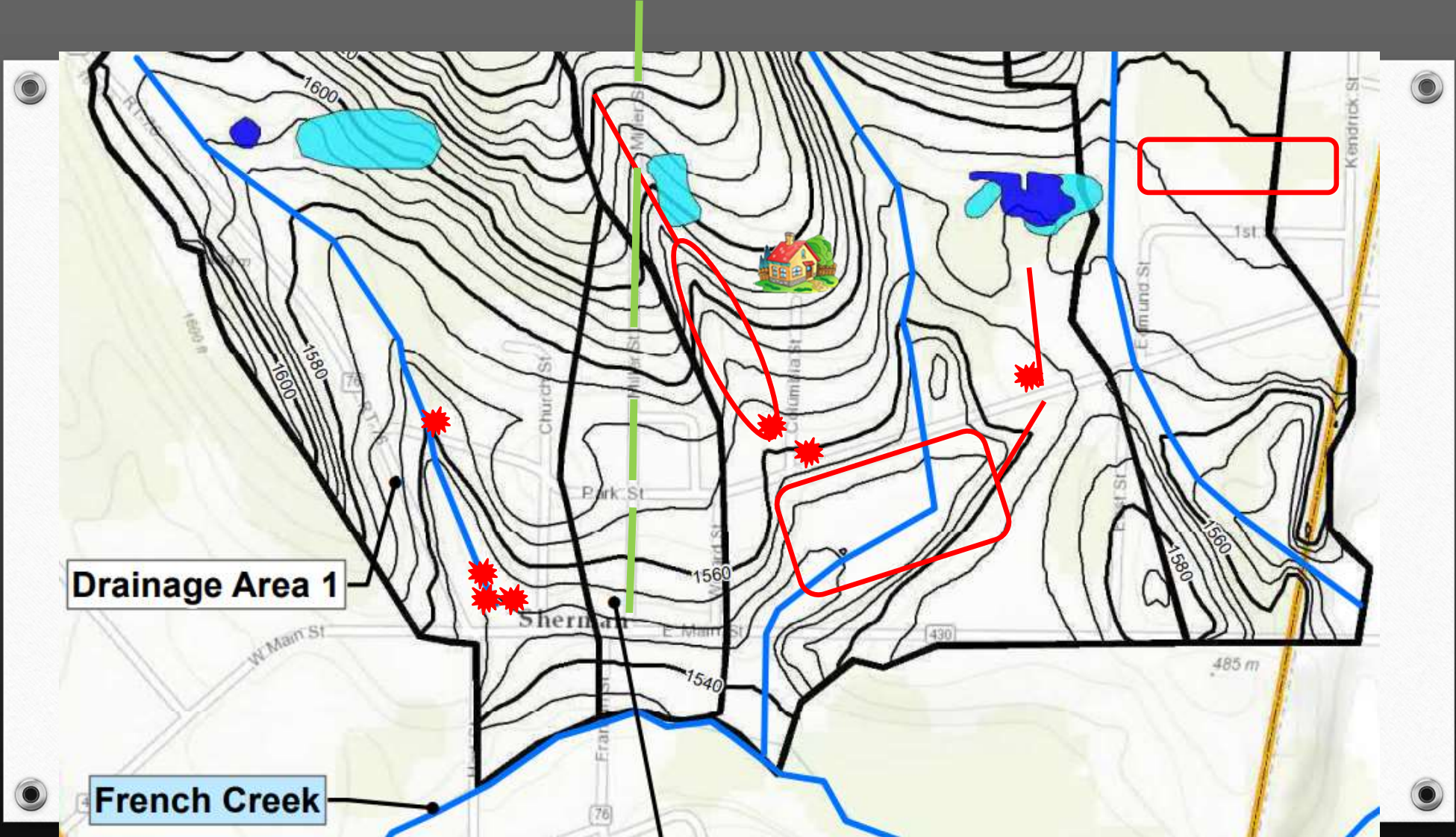


Titus Rd

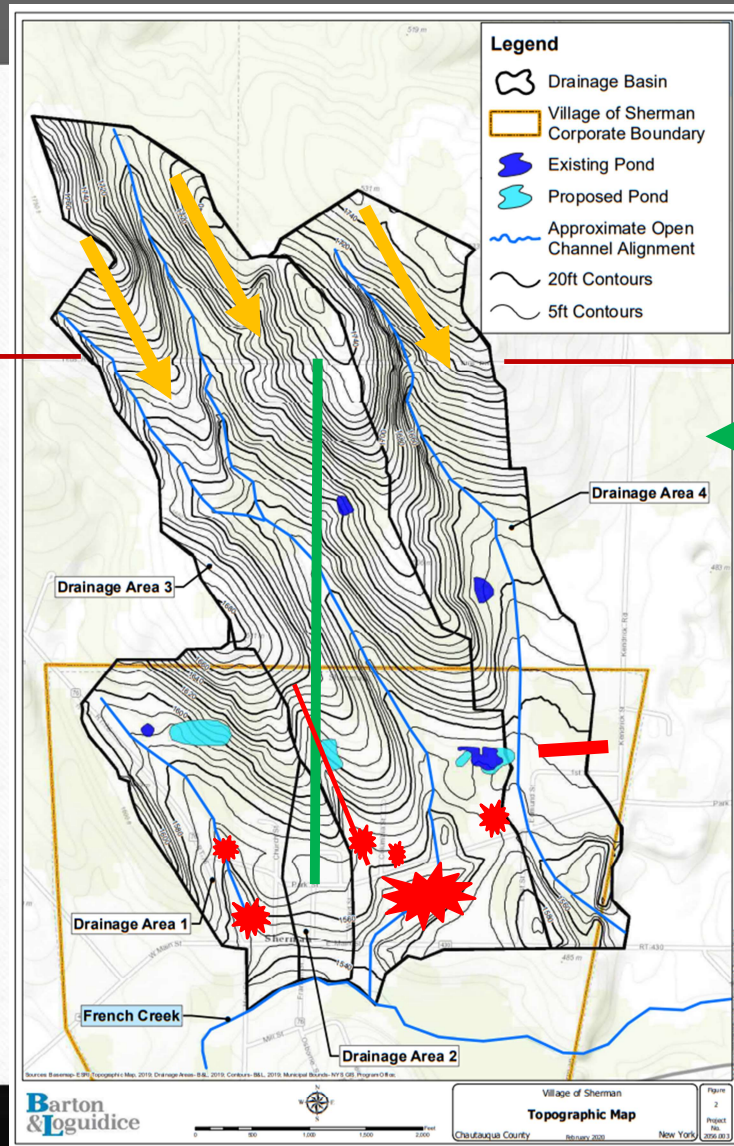
Miller St

Edmunds, Park, Columbia

West Side of Columbia St



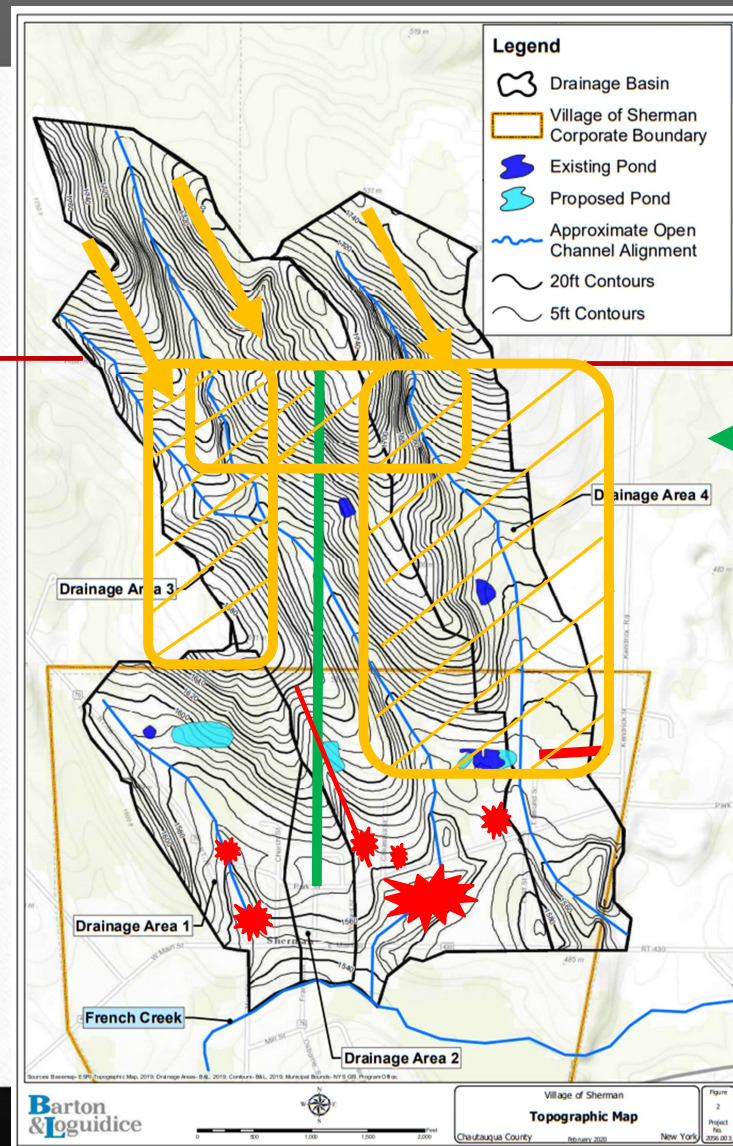
Town of  
Westfield



Titus Rd

Miller St

Town of  
Westfield



Objective :

- Detention at the Source
- Slow the Runoff

Titus Rd

Miller St

VILLAGE OF SHERMAN  
EST. 1890

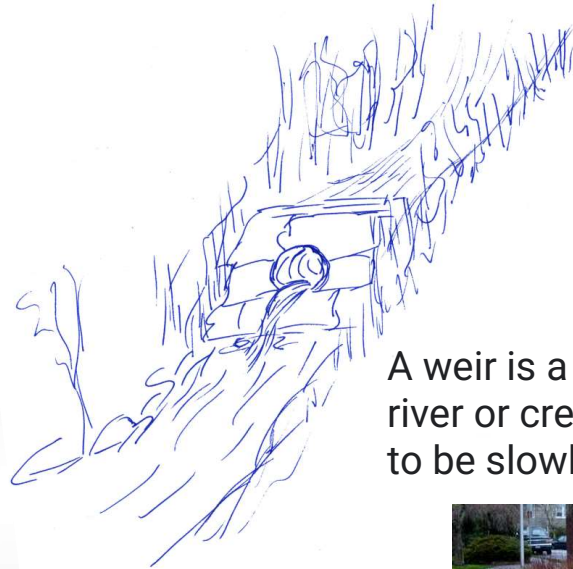
# UNDERSTANDING STORMWATER



The Stormwater Preliminary Engineering Report  
and GIGP Main St Stormwater Improvements  
are available for view on the website under the  
tabs: GOVERNMENT / VILLAGE PROJECTS

[www.shermanny.org](http://www.shermanny.org)

December 2021



A weir is a steel or concrete barrier constructed across a river or creek that regulates water flow and allows water to be slowly released to users downstream.

## Bioswale Example





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## Stormwater

USDA RD Financing after Grants  
Debt Service for 35 yrs  
1.25% Interest (or Less)

Long Term Debt	Annual Payment
775,000	27,500
500,000	17,750
250,000	8,850

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Optimal using in-kind services for 'match'

# Concept Plan

# Green Infrastructure



Project No. 1: Concept Plan

January 2020

## GREEN INFRASTRUCTURE RETROFIT PRACTICES

- 1 BIO-RETENTION BUMPOUTS**  
Installation of bio-retention bumpouts with curb drops to capture stormwater runoff, for a total coverage of 10,000 SF.
  - 2 PERMEABLE ASPHALT PARKING**  
Replacement of existing pavement, for a total coverage of 3,500 SF.
  - 3 FLEXIBLE POROUS PAVEMENT**  
Replacement of existing pavement with flexible porous pavement for snow storage and infiltration. Place stormwater street trees with CU structural soil where feasible. 6,500 SF coverage.
  - 4 CONCRETE SIDEWALK**  
Concrete sidewalks pitched towards flexible porous pavement for infiltration. Install granite curbing with 6" reveal to direct roadway runoff to curb drops.
  - 5 EASTERN & WESTERN VILLAGE GATEWAYS**  
Visually notify the driver that they are entering a dense residential area...and to SLOW DOWN!
  - 6 DOWNSPOUT DISCONNECTIONS**  
Installation of rain barrels and stormwater to planters capture and re-use stormwater from downspouts, for a total coverage of 1,060 SF.
  - 7 PUBLIC PARKING & TRAILHEAD IMPROVEMENTS**  
Installation of non-porous pavements pitched towards bioretention gardens and enhanced riparian buffer strip along French Creek at existing Chautauqua Rails-to-Trails trailhead.
- SITE IMPROVEMENTS**
- 8 PEDESTRIAN CROSSINGS**  
Enhanced crossings at bumpouts provide traffic calming and pedestrian safety.
  - 9 SHARED LANE MARKINGS**  
Install shared lane markings indicating shared space between vehicles and bicyclists.
  - 10 EV CHARGING STATIONS**  
Install electric vehicle charging stations at select location (s) for Climate Smart Community certification.

**Barton & Loguidice**