

UNDERSTANDING STORMWATER



Stormwater issues on private properties are not the direct responsibility of the local municipality. *HOWEVER*, under the MISSION:

“The Village of Sherman exists to facilitate the needs of the community in areas of health, safety, and welfare, business and economic development, public works and sanitation, historical preservation, parks and recreation.”

Stormwater does not have a direct ‘revenue’ source like water and sewer; meaning any stormwater improvements are paid for by the tax base. Consideration of ALL taxpayers has to be taken into account... that includes those directly affected by stormwater, and those NOT affected by stormwater, because the costs of any improvements would be distributed equally *over all*.

The Village conducted a Stormwater Study with grant funding provided by the CDBG, resulting in a Preliminary Engineering Report that identifies the key issues and proposes several improvements.

The Stormwater Improvement Project will consist of multiple phases over several years, with successful grant applications, working with private property owners, and other vested partners to minimize the fiscal impact on the Village taxpayers while providing sustainable solutions.

The Village is taking steps to position itself to apply and receive grants for this purpose, consistent with the Comprehensive Plan.

WHAT TO DO... rake off storm drain inlets from debris, use a shovel as debris will continue to cover the DI with leaves, twigs, and trash the runoff brings with it.

DO NOT... enter or attempt to clear areas near culverts or a DI you are not familiar with, the water’s depth and speed can be very deceiving and very dangerous.

EXERCISE CAUTION... when entering a basement with water that has electric appliances, or an electrical panel.

WHO TO CALL... these events always seem to occur after regular business hours, keep all these numbers handy.

NOTE: They may not be able to immediately answer the call while addressing the situation on another site.

Doug Crane Street Superintendent 716-269-9096

Jay Irwin Chief Operator 716-581-3397

Greg Gormley Enforcement Officer 716-640-3195

Stanley Hose Company through 9-1-1

Village Clerk-Treasurer

Jeanette Ramm
761-6781

Village of Sherman

111 Mill St, POB 629
Sherman, NY 14781

Department of Public Works

Superintendent Doug Crane 269-9096

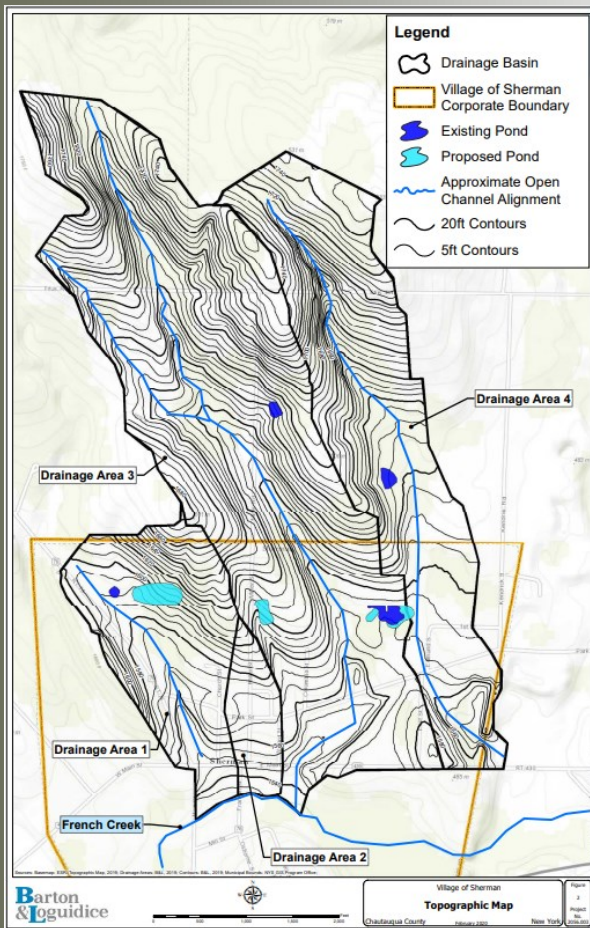
Chief Operator Jay Irwin 581-3397

CEO, Officer Greg Gormley 640-3195



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



Inadequate & Aging Infrastructure

A majority of storm drain inlets (DI's) are on County and State roads and are part of County and State highway infrastructure. The network of pipes installed under the ground are the responsibility of the Village; much of it is made up of pipes that are undersized or scrapped together (with old hot water tanks and such).

The Village of Sherman is located in a valley. The source of the storm-water problems comes from unlisted streams on private properties, (i.e. not recognized by the Army Corp of Engineers). The water begins on Titus hill and funnels down to several specific points, collects in a bowl and eventually makes its way to French Creek—flooding many areas along the way.

This large amount of flowing water meets several large impervious structures and parking lots that do not have any stormwater management provisions in place. SWPPPs - Stormwater Pollution Prevention Plans are now required by the NYSDEC and NYS Building Codes for new structures and site developments to mitigate the affects to the surrounding area by installing dry detention ponds like what you see alongside the Dollar General (and in front of the SCSD bus garage on the Sherman-Stedman road). There are no other stormwater management practices in place in the Village of Sherman. Those residing in the immediate surrounding area of these previously built structures are most affected.

I. Detention at the source!

Building dry detention ponds and fore-bays to detain and slow the flow from Titus hill is key to mitigating the majority of flooding, along with ditches directing the flow away from homes and more efficiently to French Creek. Slowing the flow at the origin before major infrastructure improvements are made will prevent the water in French Creek from rising faster, potentially bringing the Columbia, Park, and First St problem to homes on Mill St along French Creek.

II. Infrastructure Replacement

There was never an engineering plan in place, resulting in undersized pipes and misplaced storm drain inlets.

The aging stormwater lines need to be replaced, unfortunately the Village only becomes aware 'when' a problem arises, like on East St, in 2018.

Stormwater is a concern.

#1 Rainfall is the primary contributor to flooding... but coupled with any of these additional factors could be **devastating**:

- ⇒ Large amounts of rainfall, particularly in short periods of time creates flash flooding.
- ⇒ Beginning with French Creek being high and already saturated ground.
- ⇒ Thawing snow.
- ⇒ Power outages — for those dependent on sump pumps .



III. Green Infrastructure (GIGP)

EFC– Green Innovation Grant Program

These improvements address existing problem areas with impervious buildings and pavements. The Village is awaiting the news of the GIGP Award for the Main Street Stormwater Improvement Project.

An application will be made in the future for Park St to help mitigate the impact of the school surfaces.