

# STORM SEWER UTILITY

*Town Council*  
*July 12, 2021*



# Mission Statement

The Storm Sewer Utility is dedicated to improving health, safety and welfare in the Borough of Chambersburg by providing for the safe and efficient capture and conveyance of stormwater runoff resulting from development by enforcing the Borough's Stormwater Management Code, by maintaining compliance with the Borough's municipal separate storm sewer system (MS4) permit and through construction and maintenance of the Borough's storm sewer system according to sound financial resource and capital improvements management.

---



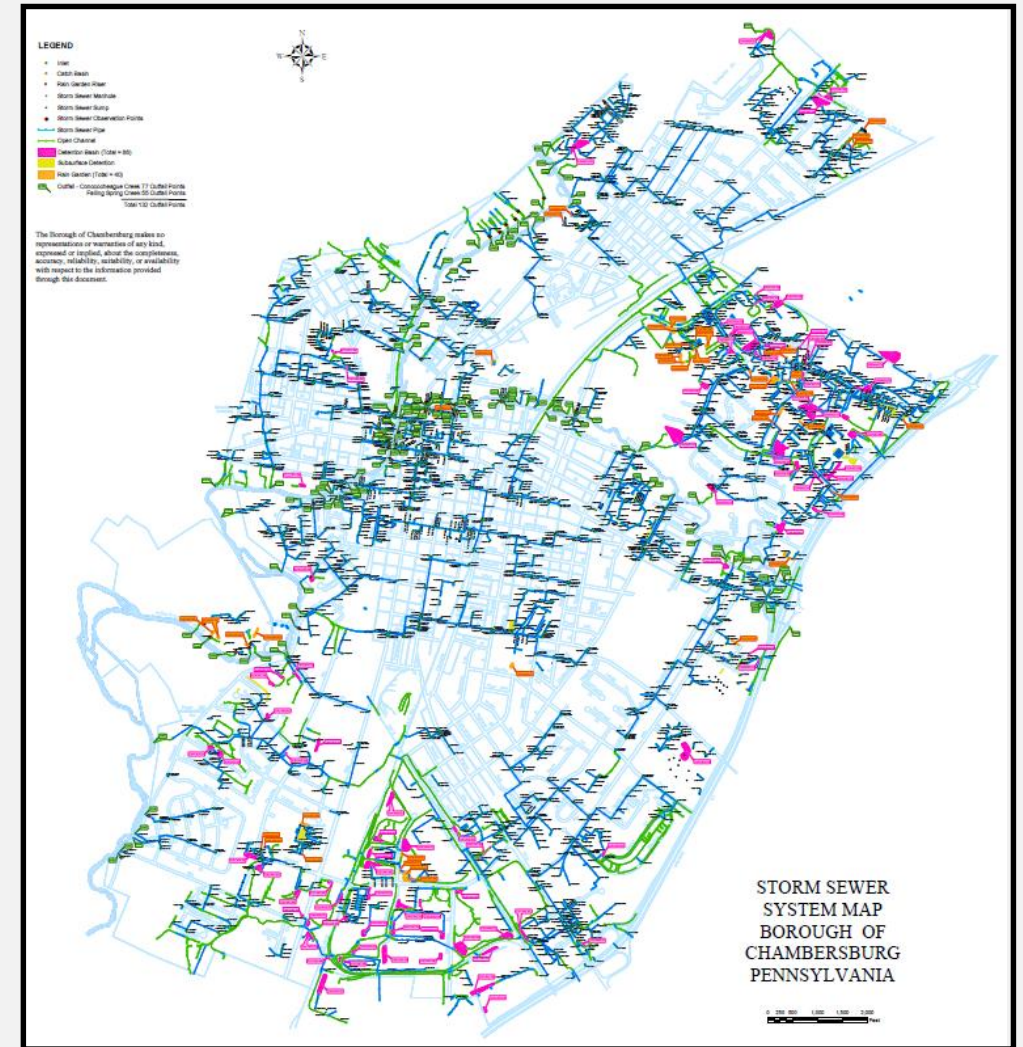
STORM SEWER UTILITY STAFF  
Andy Stottlemyer, Storm Sewer System Manager  
Chris Werner, Storm Sewer System Inspector  
Hannah Kauffman, Secretary II  
Brian Fogal, Civil Engineering Supervisor  
Chris Bain, GIS Manager  
Rod Shuman, GIS Technician  
Phil Wolgemuth, Deputy Borough Manager



# Storm Sewer System

The Borough storm sewer system is comprised of the following:

- 3,053 inlets (2,929 inlets and 124 catch basins)
- 136 outfalls to Conococheague Creek and Falling Spring Creek
- 134 subsurface detention areas
- 99 detention basins
- 80.69 miles of pipe
- 50 rain gardens
- 36.55 miles of open channels



# MS4 Permit



The Borough municipal separate storm sewer system (MS4) operates under Pennsylvania Department of Environmental Protection NPDES General Permit No. PAG 133704, of which coverage commenced on June 1, 2018 and will expire at midnight on March 15, 2023.

In 2018 a new NPDES General Permit, along with a Chesapeake Bay Pollutant Reduction Plan, was approved by the Pennsylvania Department of Environmental Protection (DEP). The Borough has until May 31, 2023 to achieve pollutant loading reductions for sediment, total nitrogen, and total phosphorous.

---

The MS4 Permit requires the Borough to operate a stormwater management program to address the following Minimum Control Measures:

- MCM 1. Public Education and Outreach on Stormwater Impacts
- MCM 2. Public Involvement and Participation
- MCM 3. Illicit Discharge Detection and Elimination
- MCM 4. Construction Site Stormwater Runoff Control
- MCM 5. Post-Construction Stormwater Management in New Development and Redevelopment
- MCM 6. Pollution Prevention and Good Housekeeping

# Intergovernmental Cooperation Agreements

Town Council approved Intergovernmental Cooperation Agreements with Hamilton Township and St. Thomas Township to provide Stormwater Management Program Administrative Services for their MS4 Permits and Pollutant Reduction Plans that were approved by the Pennsylvania Department of Environmental Protection.

---

Services provided by the Storm Sewer Utility:

- Prepare MS4 Annual Report.
- Public education, outreach, involvement and participation.
- Code enforcement.
- Develop and implement operation and maintenance program for Township facilities.
- Develop and implement training program for Township employees to ensure prevention of pollutants from municipal operations to the MS4.

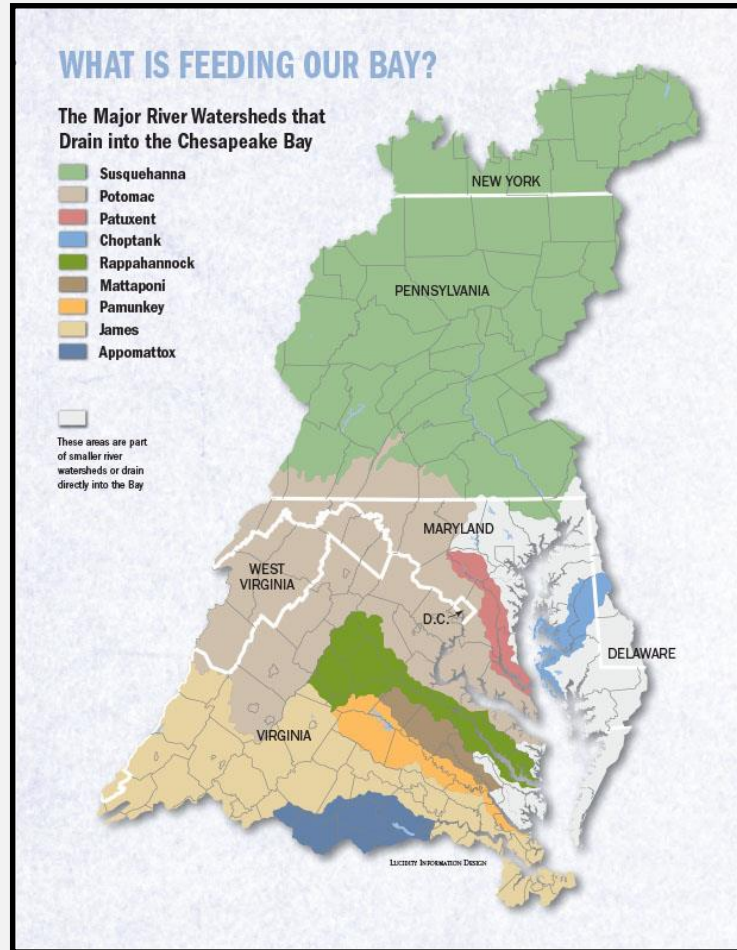
*\$956.11 invoiced for services provided through June 30, 2021*

*\$3,068.21 received for services provided in 2020*

*\$7,470.70 received for services provided in 2019*

*\$602.98 received for services provided in 2018*

# Chesapeake Bay Pollutant Reduction Plan



Implement Best Management Practices (BMPs) to produce tangible improvements to the quality of stormwater discharges in the Chesapeake Bay Watershed.

Herbert, Roland, and Grubic, the Borough's storm sewer engineering consultant, prepared a Chesapeake Bay Pollutant Reduction Plan that was submitted to the Pennsylvania Department of Environmental Protection in 2017 for review along with the Borough's Notice of Intent for general MS4 Permit renewal coverage.





# Chesapeake Bay Pollutant Reduction Plan

Best Management Practices projects were approved through the plan, which are intended to reduce the amount of nitrogen, phosphorous and sediment that are conveyed into the Falling Spring Creek and Conococheague Creek, which ultimately flows to the Chesapeake Bay via the Potomac River.

The Borough is responsible for funding these projects, with progress to be evaluated by DEP when our MS4 Permit expires on March 15, 2023.

*Projects completed or in planning stages:*

1. *Fifth Ave. Extension (complete)*
2. *Gilbert Avenue (complete)*
3. *Rhodes Drive (complete)*
4. *Fourth Street (construction contract awarded 2021)*
5. *South Main Street (grant awarded 2020)*
6. *Wolf Ave. Rail Trail (grant application filed 2021)*
7. *South Fourth Street (determine grant eligibility)*

**Table 6: Proposed BMPs**

Site	BMP ID	BMP Type	Drainage Area (acres)	Length (ft)	Pollutant Load Reduction TSS (lbs/yr)
Rhodes Drive	BMP-1A	Bioswale	2.39	n/a	2,766
	BMP-1B	Pervious Pavement	0.31	n/a	81
Fifth Ave Extension	BMP-2	Subsurface Infiltration	6	600	3,879
Elder Street / W Commerce Street	BMP-3A	Subsurface Infiltration	9.2	n/a	5,047
	BMP-3B	Streambank Restoration	n/a	1,400	62,832
	BMP-3C	Subsurface Infiltration	9.18	n/a	5,036
	BMP-3D	Bioretention	4.35	n/a	3,580
Stevens Elementary	BMP-4A	Streambank Restoration	n/a	500	22,440
	BMP-4B	Riparian Buffer	12.38	n/a	6,670
Wilson College	BMP-5	Bioretention	103.5	n/a	100,368
Mill Creek Acres Park	BMP-6	Bioretention	100	n/a	96,974
Nitterhouse Park	BMP-7	Bioretention	7.2	n/a	5,925
Wolf Ave Rail Trail	BMP-8A	Bioretention Pocket	5.08	100	4,926
	BMP-8B	Bioretention Pocket	4.59	100	4,451
	BMP-8C	Bioretention Pocket	4.02	100	3,898
	BMP-8D	Bioretention Pocket	6.22	100	6,032
	BMP-8E	Bioretention Pocket	5.28	100	5,120
Fourth Street	BMP-9	Streambank Restoration	n/a	250	11,220
South Fourth Street	BMP-10	Subsurface Infiltration	29.3	n/a	16,074
Ludwig Ave Parking Lot	BMP-11	Subsurface Infiltration	2.52	100	1,383
South Main Street	BMP-12A	Stream Restoration	n/a	675	30,294
	BMP-12B	Riparian Buffer	7.06	675	3,804
Sheffler Drive	BMP-13	Riparian Buffer	31.6	n/a	14,447
<b>Total</b>					<b>417,247</b>

# 2021 Accomplishments

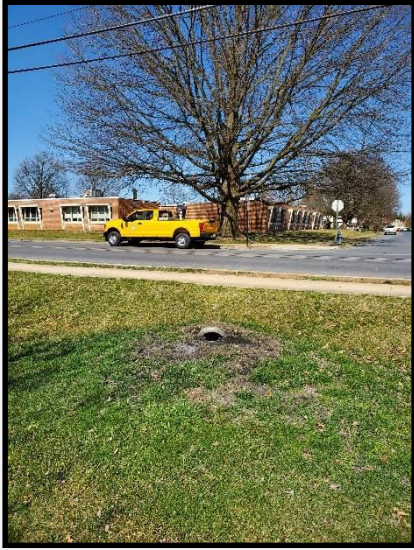
---

- Expended \$65,000 state Watershed Restoration and Protection Program grant, plus \$12,000 match, to complete North Fourth Street Streambank Restoration Project, fourth BMP project proposed through Chesapeake Bay Pollutant Plan.
- Expended \$8,000 Franklin County Dirt and Gravel/Low Volume Roads grant, plus \$2,000 match, to repair and upgrade storm sewer system on Harrison Drive.
- Received \$200,000 state Watershed Restoration and Protection Program grant, to complete South Main Street Stormwater BMP Implementation Project, fifth BMP project proposed through Chesapeake Bay Pollutant Plan.
- Applied for \$375,268 state Growing Greener Plus grant, with \$75,000 match, to complete Chambersburg Rail Trail Stormwater Management Project, sixth BMP project proposed through Chesapeake Bay Pollutant Plan as Wolf Ave. Rail Trail.
- Issued 10 Stormwater Management Code violation notices.
- Through June 30, 2021 spent \$14,206 on various storm sewer system maintenance projects and estimate spending \$15,000 more through December 31, 2021.
- Finalized new Storm Sewer Pollution Control Fee and Credit Program for presentation to Town Council.



# 2021 Accomplishments

---



Stanley Avenue Culvert Maintenance



Walker Road Infiltration Trench



Code Enforcement Buffalo Wild Wings Sinkhole



South Fourth Street Storm Sewer System Maintenance

# Storm Sewer Pollution Control Fee and Credit Program

---

In 2019 Herbert, Rowland & Grubic, Inc. guided Town Council, Advisory Committee, staff and the community through a detailed planning and analysis process to change from the current \$5 per month Storm Sewer Pollution Control Fee to a fee schedule based on lot impervious coverage along with a credit program to create incentives for Storm Sewer Utility customers to implement BMPs to address stormwater on their property.

In response to uncertain economic conditions caused by the COVID-19 health crisis, in 2020 recommended that Town Council not implement the new fee and credit program in 2021 but rather increase the monthly per sanitary sewer connection fee from \$4 to \$5.

## Challenges and opportunities identified through analysis in 2019:

- Assess and clean pipe system 2020-2022.
- System needs maintenance/repairs totaling \$100,000 in 2020 with increase to \$250,000 in 2021-2023.
- System needs capital improvements, along with Chesapeake Bay Pollutant Reduction Plan BMP projects, totaling \$8.6M by 2023.
- Continue to seek grant funding sources for system improvements.
- Monitor and plan for changes and associated expenditures to be required through next MS4 Permit effective in 2024.
- Like other Borough utilities, funding for system operation and maintenance will be constant forever, regardless of future MS4 Permit requirements.
- As much as possible, implement incremental increases to program and fees.

<b>Year</b>	<b>Annual Revenue Need (M)</b>
2020	\$1.0
2021	\$1.2
2022	\$1.6
2023	\$1.8

# Storm Sewer Pollution Control Fee and Credit Program

---

## 2022 RATE STRUCTURE

One Equivalent Residential Unit (ERU) equivalent to 2,920 SF of Impervious Area (IA), which is average impervious area (IA) of all single-family residential properties in Borough.

ERUs will be calculated as whole or half numbers only, with fraction of whole number less than 0.25 rounded down to whole number, fraction of whole number 0.25 and greater rounded up to half number, fraction of whole number less than 0.75 rounded down to half number and fraction of whole number 0.75 and greater rounded up to next whole number.

## RECOMMENDED RATES FOR 2022

Retain \$5 per month Storm Sewer Pollution Control Fee but change to ERU fee with single-family residential customers charged one ERU (\$5 per month) and all other customers charged ERU based on amount of IA (monthly fee dependent on amount of IA on property).

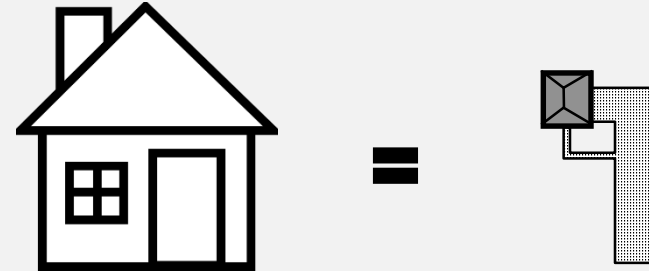
ESTIMATED CUSTOMERS		ESTIMATED ANNUAL REVENUE	
Single-family	6,657	Single-family	\$399,420
Impervious Area	821	Impervious Area	\$916,080
Total	7,478	Total	\$1,315,500

# Storm Sewer Pollution Control Fee and Credit Program

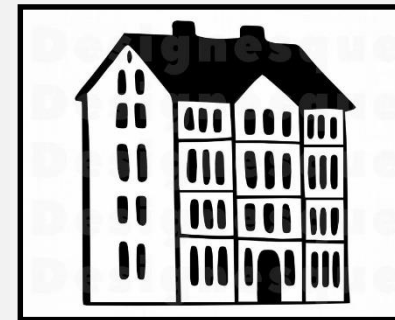
---

## RESIDENTIAL CLASSIFICATIONS

1. Single-Family Attached Dwelling (ERU)
2. Single-Family Detached Dwelling (ERU)
3. Single-Family Semidetached Dwelling (ERU)
4. Two-Family Dwelling (IA)
5. Multifamily Dwelling (IA)
6. Garden Apartment (IA)
7. Multiple Residential Buildings One Lot (IA)
8. Residential/Commercial Mixed-Use (IA)



1 ERU = 2,920 square feet IA  
Monthly Fee = \$5  
Annual Fee = \$60



20 ERU = 58,400 square feet IA  
Monthly Fee = \$100  
Annual Fee = \$1,200

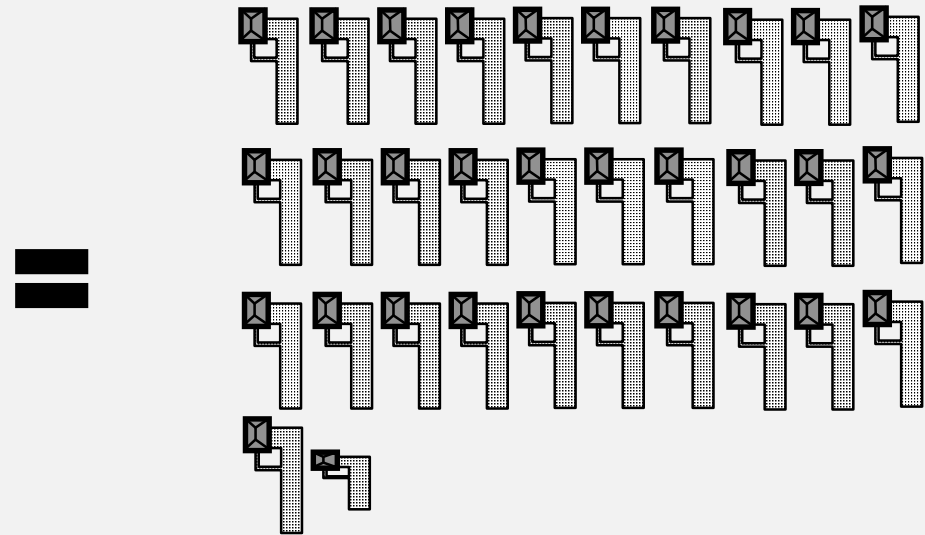


# Storm Sewer Pollution Control Fee and Credit Program

## COMMERCIAL/INDUSTRIAL/INSTITUTIONAL CLASSIFICATION



**BOROUGH UTILITIES SERVICE CENTER**  
80 South Franklin Street



<b>Total Area</b>	<b>116,270 sf</b>
<b>Total Impervious Area (Includes new building)</b>	<b>91,868 sf</b>
<b>IA per ERU</b>	<b>2,920 sf</b>
<b>TOTAL ERU</b>	<b>31.5</b>
<b>Proposed Monthly Fee</b>	<b>\$157.50</b>
<b>Proposed Annual Fee</b>	<b>\$1,890</b>

# Storm Sewer Pollution Control Fee and Credit Program

---

## CREDIT POLICY

Offer three different credits as means for customers to reduce monthly Storm Sewer Pollution Control Fees by implementing Best Management Practice activities to reduce the contribution of stormwater and pollutants to the storm sewer system and/or to aid in meeting MS4 Permit obligations.

- 1. Single-family residential customers that attend Borough sponsored educational programs that comply with MS4 MCM for Public Education.*
- 2. Impervious area customers that install and maintain structural BMPs on their property that comply with the Stormwater Management Code.*
- 3. Any customer that provides an easement for BMPs to be installed on their property to comply with the Borough MS4 Permit or Chesapeake Bay Pollutant Reduction Plan.*

The credit program will be simple and easy to understand with Storm Sewer Utility staff readily available to provide customers with technical assistance and cost benefit analysis for credit applicability for their property.

It is understood that credits will reduce the amount of revenue collected by the Storm Sewer Utility, which may be augmented by future Storm Water Pollution Control Fee increases, but that encourage customers to practice good stormwater management that helps the Borough comply with its MS4 Permit obligations, Stormwater Management Code and/or Chesapeake Bay Pollutant Reduction Plan.

# Storm Sewer Pollution Control Fee and Credit Program

---

## PUBLIC EDUCATION CREDIT

The Storm Sewer Utility sponsors one educational program per year to comply with MS4 MCM for Public Education. Programs are typically held at City Hall but may be offered virtually or a combination of in-person and virtually.

Single-family residential customers that attend this event will receive reimbursement for one monthly ERU fee, which is recommended to be \$5 in 2022 but will increase in the future as directed by Town Council.

Reimbursement will be made via check for each customer that attends the event in its entirety and completes a simple attendance form.

Reimbursement will be made for only one ERU fee per customer that attends the event. For example, a family of four for one customer account that attends the event will be reimbursed one ERU fee, not four ERU fees.

Only Borough sponsored educational programs qualify for this credit and will be offered only one time per year with ample notice provided through a utility bill flyer, the Borough website and news release. The same credit will be made available for customers in subsequent years, including customers that previously secured a credit.

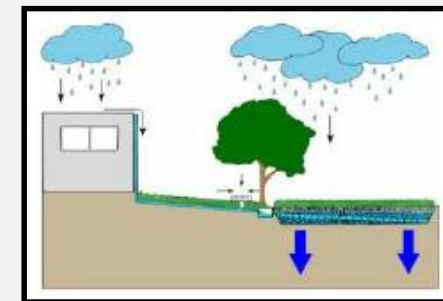
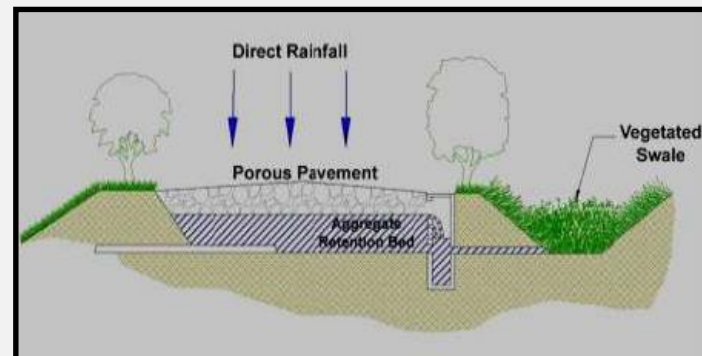
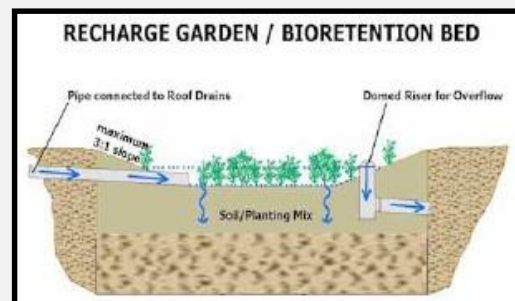
# Storm Sewer Pollution Control Fee and Credit Program

## STRUCTURAL BMP CREDIT

A structural BMP is a facility or other improvement on a property, whether private or public, that addresses stormwater runoff from impervious areas on the property, thus lessening stormwater runoff impact to the Borough storm sewer system. Property owners typically construct and maintain these BMPs and provide an easement to the Borough for Storm Sewer Utility personnel inspection to ensure the BMP is maintained and functioning properly.

*Storm Water Pollution Control Fee credits will be offered for Storm Sewer Utility customers that install and maintain structural BMPs on their property.*

- 30% credit will be offered for structural BMPs that were installed on customer property after June 20, 2004 when Town Council first adopted Stormwater Management Code.*
- 15% credit will be offered for structural BMPs that were installed on customer property before June 20, 2004 when Town Council first adopted Stormwater Management Code.*
- 30% credit will be offered for customer properties where structural BMPs were installed before and after June 20, 2004 when Town Council first adopted Stormwater Management Code.*





# Storm Sewer Pollution Control Fee and Credit Program

---

## STRUCTURAL BMP CREDIT CONTINUED

All BMPs qualifying for a credit must be maintained in compliance with the Borough Stormwater Management Code and the Pennsylvania Stormwater Best Management Practices Manual.

Customers that wish to install BMPs to qualify for credit, or increase their credit from 15% to 30%, must hire a Pennsylvania licensed engineer, surveyor or design professional to prepare a Drainage Plan as defined in the Borough Stormwater Management Code. An escrow account must be established to reimburse the Borough for expenditures incidental to the Drainage Plan review and approval process, including but not limited to fees of the Borough, legal fees and other engineering or consulting fees. Credits will not be issued until a Drainage Plan is approved by the Storm Sewer System Manager and Borough engineering consultant and associated BMPs are constructed entirely at the customers expense and are inspected and approved by the Borough.

Credits will not be issued until a Standard Stormwater Facilities Maintenance and Monitoring Agreement is recorded with the Franklin County Register and Recorder. Agreements must be signed by the property owner and approved by Town Council. A fee will be established for the Borough to record Agreements on behalf of customers.

Credits will be valid through the expiration date of the Borough MS4 Permit, currently March 15, 2023, and may be automatically renewed based upon credit conditions still being met but the magnitude of the credit may be altered based upon changes in Storm Sewer Utility regulatory requirements or operating costs.

Credits will be calculated as whole or half numbers only, with fraction of whole number less than 0.25 rounded down to whole number, fraction of whole number 0.25 and greater rounded up to half number, fraction of whole number less than 0.75 rounded down to half number and fraction of whole number 0.75 and greater rounded up to next whole number.

A simple Structural BMP Credit application will be prepared but there will be no application fee.

# Storm Sewer Pollution Control Fee and Credit Program

## STRUCTURAL BMP CREDIT EXAMPLE RESIDENTIAL (APARTMENT BUILDINGS PROGRESS ROAD)

Approved by Town Council through Borough Plan RE-1281 and RE-1557 for four 12-unit apartment buildings and associated off-street parking and access areas. At full build-out five bio-retention basins will serve as BMPs addressing stormwater to be installed after Stormwater Management Code first adopted in 2004. Standard Stormwater Facilities Maintenance and Monitoring Agreement recorded for Borough Plan RE-1557 but needs to be recorded for RE-1281, which is located on separate tax parcel.



APARTMENT BUILDINGS  
Progress Road/Benedict Avenue

<b>Current Monthly Fee</b>	<b>\$10</b>
<b>Current Annual Fee</b>	<b>\$120</b>
<b>Total Area</b>	<b>127,211 sf</b>
<b>Total Impervious Area (Includes 10,816 sf for future buildings)</b>	<b>73,097 sf</b>
<b>IA per ERU</b>	<b>2,920 sf</b>
<b>Total ERU</b>	<b>25</b>
<b>Proposed Monthly Fee</b>	<b>\$125</b>
<b>Proposed Annual Fee</b>	<b>\$1,500</b>
<b>ERU Minus 30% Credit</b>	<b>17.5</b>
<b>Reduced Monthly Fee</b>	<b>\$87.50</b>
<b>Reduced Annual Fee</b>	<b>\$1,050</b>

# Storm Sewer Pollution Control Fee and Credit Program

## STRUCTURAL BMP CREDIT EXAMPLE COMMERCIAL (TURKEY HILL)

Pending Town Council approval through Borough Plan RE-1559 for Turkey Hill and associated off-street parking and access areas. A subsurface stone infiltration bed and grass swale will serve as BMPs to be installed after Stormwater Management Code first adopted in 2004. Standard Stormwater Facilities Maintenance and Monitoring Agreement to be recorded after plan approved.



**TURKEY HILL**  
1090 Wayne Avenue

<b>Current Monthly Fee</b>	<b>\$5</b>
<b>Current Annual Fee</b>	<b>\$60</b>
<b>Total Area</b>	<b>200,292 sf</b>
<b>Total Impervious Area</b>	<b>156,657 sf</b>
<b>IA per ERU</b>	<b>2,920 sf</b>
<b>Total ERU</b>	<b>53.5</b>
<b>Proposed Monthly Fee</b>	<b>\$267.50</b>
<b>Proposed Annual Fee</b>	<b>\$3,210</b>
<b>ERU Minus 30% Credit</b>	<b>37.5</b>
<b>Reduced Monthly Fee</b>	<b>\$187.50</b>
<b>Reduced Annual Fee</b>	<b>\$2,250</b>

# Storm Sewer Pollution Control Fee and Credit Program

## STRUCTURAL BMP CREDIT EXAMPLE INDUSTRIAL (VENTURA FOODS)

Approved by Town Council through Borough Plan RE-708, RE-1363 and RE-1385 for building for manufacturing use and associated off-street parking and access areas. A detention basin, rain gardens and grass swale serve as BMPs to address stormwater were installed after Stormwater Management Code first adopted in 2004. Standard Stormwater Facilities Maintenance and Monitoring Agreement needs to be recorded.



VENTURA FOODS  
1501 Orchard Drive

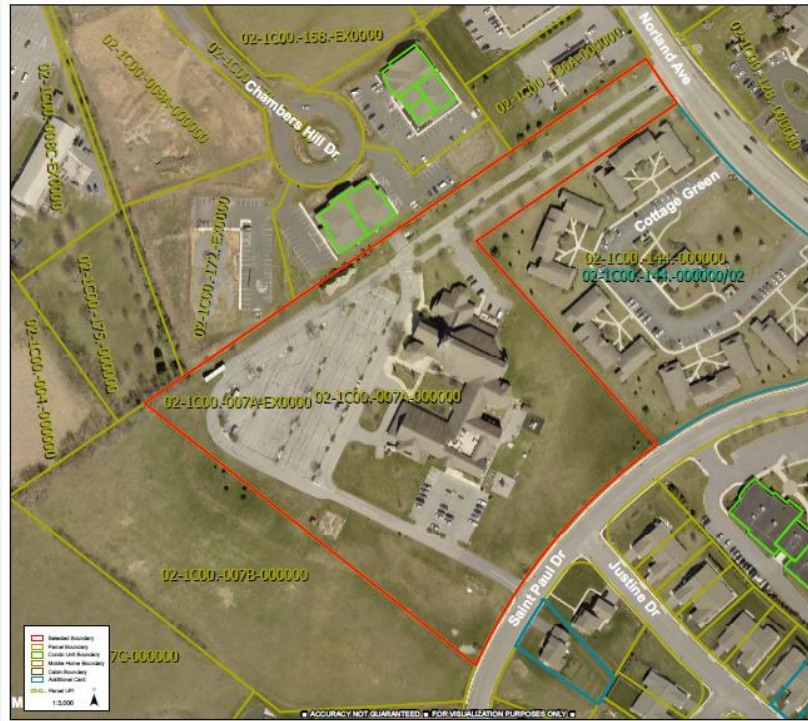
<b>Current Monthly Fee</b>	<b>\$5</b>
<b>Current Annual Fee</b>	<b>\$60</b>
<b>Total Area</b>	<b>1,625,023 sf</b>
<b>Total Impervious Area</b>	<b>1,050,793 sf</b>
<b>IA per ERU</b>	<b>2,920 sf</b>
<b>Total ERU</b>	<b>360</b>
<b>Proposed Monthly Fee</b>	<b>\$1,800</b>
<b>Proposed Annual Fee</b>	<b>\$21,600</b>
<b>ERU Minus 30% Credit</b>	<b>252</b>
<b>Reduced Monthly Fee</b>	<b>\$1,260</b>
<b>Reduced Annual Fee</b>	<b>\$15,120</b>



# Storm Sewer Pollution Control Fee and Credit Program

## STRUCTURAL BMP CREDIT EXAMPLE INSTITUTIONAL (ST. PAUL UNITED METHODIST CHURCH)

Approved by Town Council through Borough Plan RE-894 for church building and associated off-street parking and access areas. One detention basin serves as BMP addressing stormwater, however, it was planned and constructed before Stormwater Management Code first adopted in 2004. Customer could hire design professional to determine whether the detention basin complies with Code or if alterations are necessary to become Code compliant, thus increasing their credit from 15% to 30%. Standard Stormwater Facilities Maintenance and Monitoring Agreement needs to be recorded.



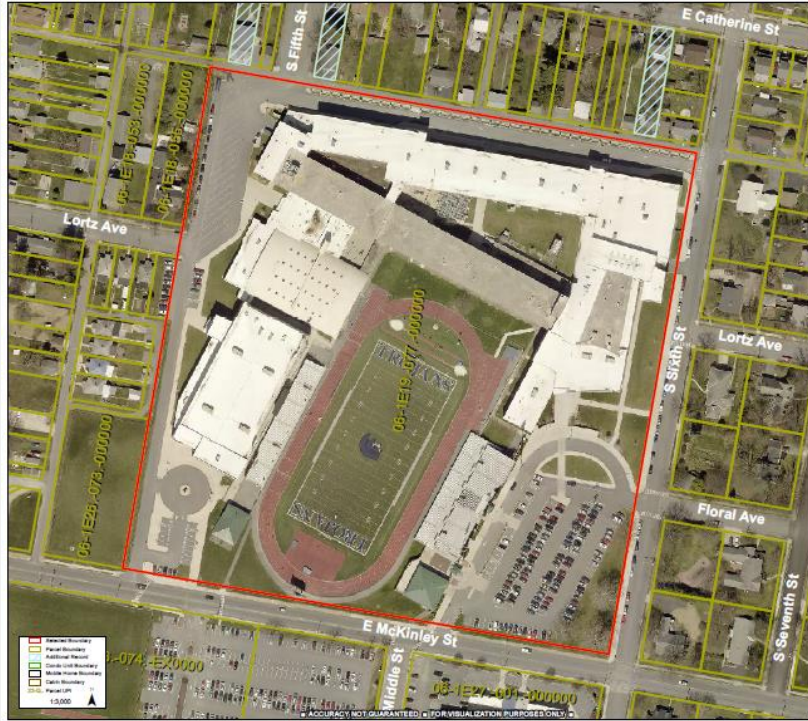
ST. PAUL UNITED METHODIST CHURCH  
750 Norland Avenue

<b>Current Monthly Fee</b>	<b>\$5</b>
<b>Current Annual Fee</b>	<b>\$60</b>
<b>Total Area</b>	<b>435,698 sf</b>
<b>Total Impervious Area</b>	<b>191,863 sf</b>
<b>IA per ERU</b>	<b>2,920 sf</b>
<b>Total ERU</b>	<b>65.5</b>
<b>Proposed Monthly Fee</b>	<b>\$327.50</b>
<b>Proposed Annual Fee</b>	<b>\$3,930</b>
<b>ERU Minus 15% Credit</b>	<b>55.5</b>
<b>Reduced Monthly Fee</b>	<b>\$277.50</b>
<b>Reduced Annual Fee</b>	<b>\$3,330</b>
<b>ERU Minus 30% Credit</b>	<b>46</b>
<b>Reduced Monthly Fee</b>	<b>\$230.00</b>
<b>Reduced Annual Fee</b>	<b>\$2,760</b>

# Storm Sewer Pollution Control Fee and Credit Program

## STRUCTURAL BMP CREDIT EXAMPLE INSTITUTIONAL (CASHS)

Approved by Town Council through Borough Plan RE-1260 for high school building expansion and associated off-street parking and access areas. One sub-surface detention basin serves as BMP addressing stormwater. Standard Stormwater Facilities Maintenance and Monitoring Agreement needs to be recorded.



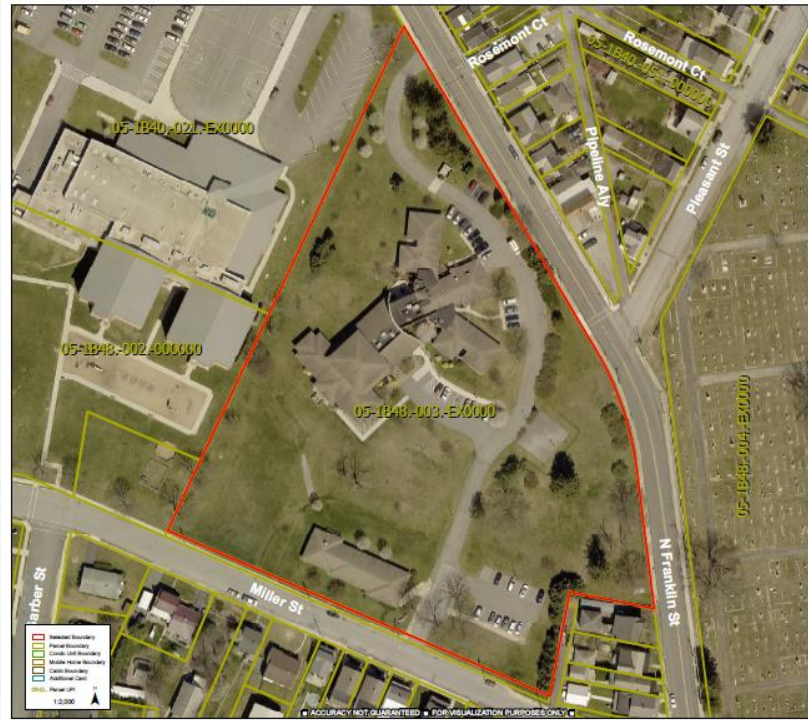
CHAMBERSBURG AREA SENIOR HIGH SCHOOL  
511 South Sixth Street

Current Monthly Fee	\$5
Current Annual Fee	\$60
Total Area	850,236 sf
Total Impervious Area	584,053 sf
IA per ERU	2,920 sf
Total ERU	200
Proposed Monthly Fee	\$1,000
Proposed Annual Fee	\$12,000
ERU Minus 30% Credit	140
Reduced Monthly Fee	\$700
Reduced Annual Fee	\$8,400

# Storm Sewer Pollution Control Fee and Credit Program

## STRUCTURAL BMP CREDIT EXAMPLE INSTITUTIONAL (CHILDREN'S AID SOCIETY)

Approved by Town Council through Borough Plan RE-1045 and RE-1516 for two buildings and associated off-street parking and access areas. Two detention basins and a grass swale serve as BMPs addressing stormwater with one detention basin planned and constructed before Stormwater Management Code first adopted in 2004 and one constructed afterwards.



CHILDREN'S AID SOCIETY  
255 Miller Street

Currently Monthly Fee	\$10
Current Annual Fee	\$120
Total Area	258,720 sf
Total Impervious Area	54,735 sf
IA per ERU	2,920 sf
Total ERU	18.5
Proposed Monthly Fee	\$92.50
Proposed Annual Fee	\$1,110
ERU Minus 30% Credit	13
Reduced Monthly Fee	\$65
Reduced Annual Fee	\$780

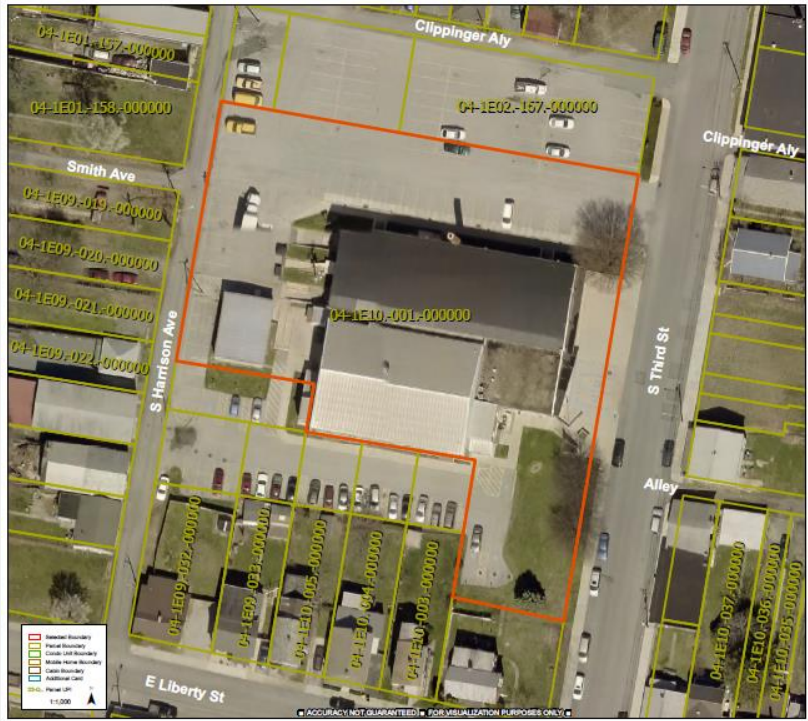


# Storm Sewer Pollution Control Fee and Credit Program

## STRUCTURAL BMP CREDIT EXAMPLE INSTITUTIONAL (BOROUGH RECREATION CENTER)

Underground detention tanks serve as BMPs addressing stormwater, however, they were installed before Stormwater Management Code first adopted in 2004. Customer could hire design professional to determine whether the detention basin complies with Code or if alterations are necessary to become Code compliant, thus increasing their credit from 15% to 30%. Standard Stormwater Facilities Maintenance and Monitoring Agreement needs to be recorded.

<b>Current Monthly Fee</b>	<b>\$5</b>
<b>Current Annual Fee</b>	<b>\$60</b>
<b>Total Area</b>	<b>78,276 sf</b>
<b>Total Impervious Area</b>	<b>67,777 sf</b>
<b>IA per ERU</b>	<b>2,920 sf</b>
<b>Total ERU</b>	<b>23</b>
<b>Proposed Monthly Fee</b>	<b>\$115</b>
<b>Proposed Annual Fee</b>	<b>\$1,380</b>
<b>ERU Minus 15% Credit</b>	<b>19.5</b>
<b>Reduced Monthly Fee</b>	<b>\$97.50</b>
<b>Reduced Annual Fee</b>	<b>\$1,170</b>
<b>ERU Minus 30% Credit</b>	<b>16</b>
<b>Reduced Monthly Fee</b>	<b>\$80</b>
<b>Reduced Annual Fee</b>	<b>\$960</b>



**BOROUGH RECREATION CENTER**  
235 South Third Street



# Storm Sewer Pollution Control Fee and Credit Program

---

## EASEMENT CREDIT

A credit will be provided to any customer that grants an easement for the Borough to construct and maintain a stormwater BMP on their property.

This credit is intended for projects that would be financially prohibitive for a property owner to complete on their own but is an important project for meeting the goals of the Borough MS4 Permit or Chesapeake Bay Pollutant Reduction Plan.

Before a credit is granted the Borough and property owner will establish an agreeable value for the easement which will serve as the total amount of credit to be applied. The Storm Water Pollution Control Fee for that customer will be suspended over a period of time until the total credit amount is realized.

An Easement Credit may be issued for customer that already received a Public Education Credit or Structural BMP Credit.

Chesapeake Bay Pollutant Reduction Plan projects that may benefit from an easement credit include, but are not limited to, Elder Street/West Commerce Street, Stevens Elementary, Wilson College, Nitterhouse Park and Sheffler Drive.

# Storm Sewer Pollution Control Fee and Credit Program

## CEMETERY CLASSIFICATIONS (As presented in 2020)

1. Exempt if impervious area 10% or less.
2. If impervious area 10% or more 50% ERU discount.

Since presented to Town Council in 2020, recalculated impervious areas for all cemeteries to confirm 10% or less, thus recommend exempting cemeteries from Storm Water Pollution Control fee.



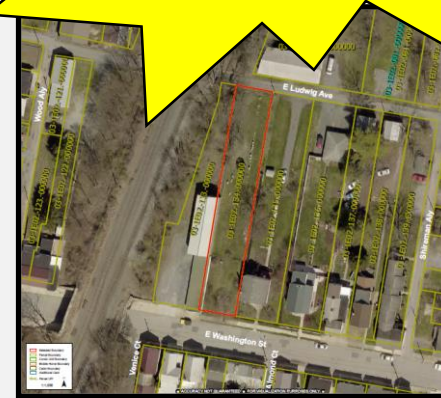
Cedar Grove Cemetery  
59,910 square feet IA  
Total ERU = 20  
Exempt



Corpus Christi Cemetery  
7,961 square feet IA  
Total ERU = 2  
Exempt



Lincoln Cemetery  
88,821 square feet IA  
Total ERU = 30  
Exempt



Sons of Israel Cemetery  
580 square feet IA  
Total ERU = 0  
Exempt



Stouffer Cemetery  
367 square feet IA  
Total ERU = 0  
Exempt

# Storm Sewer Pollution Control Fee and Credit Program

It is estimated that there will be 7,478 single-family residential and impervious area customers paying for 21,925 ERUs encompassing 64,021,000 square feet of impervious area.

IMPERVIOUS AREA CUSTOMER MONTHLY FEE EXAMPLES					
ERUs	Number of Customers	Customer	Address	Monthly Fee	Annual Fee
351-400	2	Ventura Foods	1501 Orchard Dr.	\$1,800	\$21,600
		Chambersburg Crossing Shopping Center	Norland Ave.	\$1,782.50	\$21,390
301-350	1	Knouse Foods	421 Grant St.	\$1,705	\$20,460
251-300	2	Wilson College	1015 Philadelphia Ave.	\$1,330	\$15,960
		TB Woods	440 Fifth Ave.	\$1,490	\$17,880
201-250	6	Bwise Manufacturing	1002 Wayne Ave.	\$1,077.50	\$12,930
		Menno Haven Penn Hall	1425 Philadelphia Ave.	\$1,037.50	\$12,450
151-200	9	Chambersburg Area Senior High School	511 S. Sixth St.	\$1,000	\$12,000
		Americold Logistics	1480 Nitterhouse Dr.	\$692.50	\$8,310
101-150	17	BJs Wholesale Club	540 Gateway Ave.	\$725	\$8,700
		John H. Myers	1090 S. Main St.	\$535	\$6,420
51-100	24	Weis Markets	1056 Wayne Ave.	\$407.50	\$4,890262.
		Corpus Christi Catholic Church	279 N. Second St.	\$262.50	\$3,150
1.5-50	760	Nitterhouse Masonry	859 Cleveland Ave.	\$237.50	\$2,850
		Park Avenue Pharmacy	220 Park Ave.	\$7.50	\$90

If 25% of the single-family residential customers were awarded Public Education Credits it would account for a \$8,320 reduction in \$1,315,000 revenue to be collected in 2022.

If 25% of the impervious area customers were awarded 30% Structural BMP Credits it would account for a \$68,706 reduction in \$1,315,000 revenue to be collected in 2022.

# Storm Sewer Pollution Control Fee and Credit Program

## IMPERVIOUS AREA REDUCTION POLICY

Impervious area customers can permanently reduce their Storm Water Pollution Control Fee by reducing the amount of impervious area on their property. This can be accomplished by removing buildings or parking lots that are part of the impervious area being used by the Borough to establish their Storm Water Pollution Control Fee. Removed areas must be replaced with vegetative cover to allow stormwater runoff infiltration.

The customer must hire a Pennsylvania licensed engineer, surveyor or design professional to confirm in writing the square footage of impervious area reduction.

A simple Impervious Area Reduction application will be prepared but there will be no application fee.



MOOSE LODGE NO. 842  
1100 Sheller Avenue

<b>Current Monthly Fee</b>	<b>\$5</b>
<b>Current Annual Fee</b>	<b>\$60</b>
<b>Total Area</b>	<b>224,794 sf</b>
<b>Total Impervious Area</b>	<b>185,185 sf</b>
<b>IA per ERU</b>	<b>2,920 sf</b>
<b>Total ERU</b>	<b>65</b>
<b>Proposed Monthly Fee</b>	<b>\$325</b>
<b>Proposed Annual Fee</b>	<b>\$3,900</b>
<b>ERU Minus 37,811 square feet IA</b>	<b>52</b>
<b>Reduced Monthly Fee</b>	<b>\$260</b>
<b>Reduced Annual Fee</b>	<b>\$3,120</b>



# Storm Sewer Pollution Control Fee and Credit Program

---

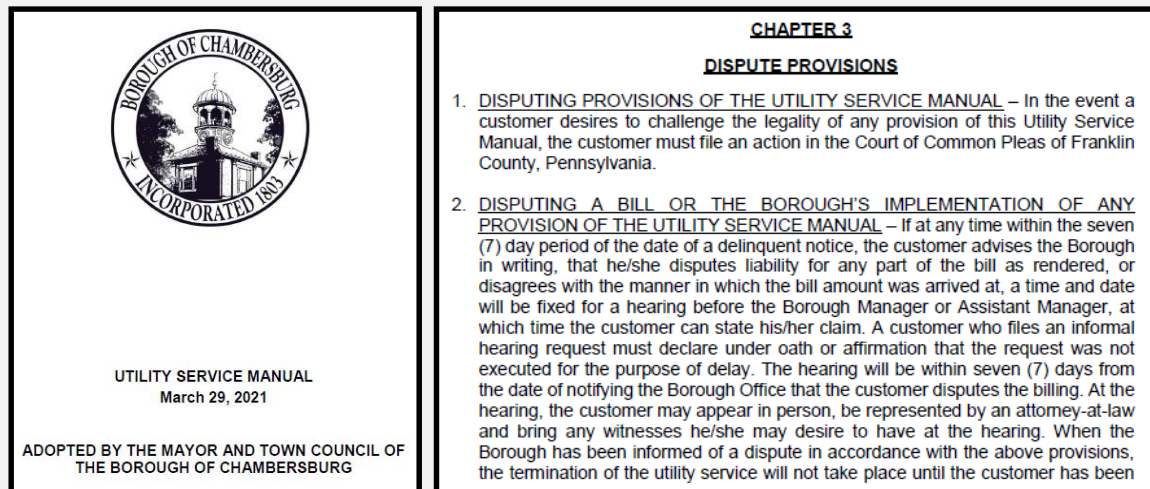
## APPEAL POLICY

If a customer feels that their Storm Water Pollution Control Fee is incorrect they may appeal it.

It may be necessary for the customer to hire a Pennsylvania licensed engineer, surveyor or design professional to confirm in writing the square footage of impervious area on their property in relation to the area being used by the Borough to establish their Storm Water Pollution Control Fee. It is important to note that review of the impervious area may cause their fee to increase as a result of the appeal.

Appeals will be addressed through the Dispute Provisions contained in Chapter 3 of the Borough Utility Service Manual. The process is described in paragraph 2, Disputing a Bill or the Borough's Implementation of any Provision of the Utility Service Manual.

Customers that believe fees have been assessed for a parcel they do not own should notify the Storm Sewer Utility.



# 2021-2022 Goals and Recommendations

---

- Continue outreach to explain new Storm Sewer Pollution Control fee and credit program. To date, staff have calculated estimated impervious area fees for 293 properties, including 92 Borough-owned properties. Staff also consulted with numerous single-family residential customers.
- Draft Ordinance to be advertised in preparation for Town Council on November 22, 2021 to consider formally adopting new Storm Sewer Pollution Control fee and credit program, to include final appeal and credit manual, to go into effect with issuance of January 2022 utility bills.
- Before November 22, 2021 each impervious area customer will be mailed a notice about the fee change for 2022 to include their estimated monthly and annual impervious area fee for 2022.
- Ask Town Council to consider elimination of the Storm Sewer Utility Rate Structure and Credit Program Advisory Committee and to determine what, if any, Storm Sewer Utility items should be addressed by the Intermunicipal Water, Wastewater and Stormwater Liaison Committee.
- Expend \$200,000 state Watershed Restoration and Protection Program grant, plus \$38,352 match, to complete South Main Street Stormwater BMP Implementation Project, fifth BMP project proposed through Chesapeake Bay Pollutant Plan.

# 2021-2022 Goals and Recommendations

---

- If received, expend \$375,268 state Growing Greener Plus grant, plus \$75,000 match, to complete Chambersburg Rail Trail Stormwater Management Project, sixth BMP project proposed through Chesapeake Bay Pollutant Plan.
- Prepare plan to reconstruct South Fourth Street/Moon Court storm sewer system in conjunction with 366 Wayne Avenue building renovations and seek grant funding for South Fourth Street project, seventh BMP project proposed through Chesapeake Bay Pollutant Plan.
- Work with Engineering Office and Community and Economic Development Office to prepare plans to repair Mill Alley stormwater drainage and Falling Spring Creek streambank on the north side of the waterwheel and seek grant funding for both projects.
- Determine whether Broad Street Storm Sewer System Improvements Project is eligible for grant funding.
- Determine whether American Rescue Act Funding can be made available for projects noted for grant funding as well as other storm sewer system capital improvements.
- In 2022 prepare and advertise bid specifications to hire contractor for pipe camera inspection and cleaning.
- In 2022-2023 establish better capital improvements planning program by using data from pipe camera inspection.

# 2022 Revenue and Expenditures

---

Storm Sewer Pollution Control Fee \$5 per ERU	\$1,315,500
Hamilton Township and St. Thomas Township	\$5,000
Other revenue	\$5,000
Total	\$1,325,500

Revenue	\$1,325,500
Operations	\$500,000
Maintenance	\$412,750
Capital Improvements	\$412,750





## QUESTIONS

*Thank you for the opportunity to work with Town Council and the Borough Manager to serve the residents and businesses of the Borough of Chambersburg.*