



Middletown

AGENDA FOR THE WATER & SEWER COMMITTEE MEETING

January 26, 2022

7:00 p.m.

- **Monthly Water & Sewer Operations Report**
- **Draft Water Resource Element of the Comprehensive Plan**
- **Review of Request for Waiver of Section 13.04.020 – One parcel/One Service**
- **Update on ARPA Water & Sewer Projects**

**Public Works Monthly Report
January 6, 2022**

COMPLETED WORK

Public Works

W and S (3 operators took exams in November: 2-W5 (1 passed), 1 5A (1 passed)), Emergency Response Plan 95% complete, Pump rebuilding – Booster sta #4 , grit pump at EWWTP. New online turbidimeter installation well 15. Operation class for new and existing staff and training classes for license prep.

New Projects or Requests

Unbudgeted Expenses:

No sludge hauled savings (+\$2990/month), July, August, September, October, November = \$14950.00
Well 14 Pump OOS \$4,500 replacement.

Sludge cost for FY \$ 0,000.00, 000 gal hauled, 24,497 gal bedded Total hauled 0,000 gal Bedded 60,197 Gal
Water Use (Average Daily for the Month, Flows stated in gallons per day)

Permit Limits (gal) 387,000/504,000 AD/MMU 250,000 AD 250,000 AD
Base flow 176,000 Base flow 159,000

MONTH	WATER USE		SPRING FLOW		East WWTP		West WWTP		Rain
	past yr	present yr	past yr	present yr	past yr	present yr	past yr	present yr	
January	295,230	317,614	96,085	100,405	257,000	260,000	262,000	224,000	2.6
February	297,096	300,936	133,808	109,250	258,000	291,000	352,000	179,000	4.9
March **	298,579	297,775	140,805	144,800	225,000	281,442	214,000	208,134	2.7
April **	290,726	316,218	143,076	147,075	214,000	221,150	222,000	220,184	3.5
May	290,109	318,004	143,632	149,126	239,000	234,000	327,000	261,000	5.3
June	306,095	327,808	139,857	136,400	185,000	183,167	175,000	183,360	4.15
July	329,237	312,871	106,703	95,242	167,000	176,000	147,000	144,000	2.9
August	300,267	321,358	80,583	72,415	178,000	185,000	168,000	154,000	8.2
September	300,687	300,680	64,513	91,340	175,000	312,000	147,000	342,000	10.2
October **	313,370	318,893	52,296	88,721	173,000	213,309	128,000	198,997	3.2
November**	285,014	287,629	50,700	86,898	194,000	204,000	137,000	143,000	1.05
December	29,383	287,269	68,898	81,035	305,000	180,706	199,000	101,370	1.9

Avg Daily/yr 277,983 308,921 101,746 108,559 214,167 228,481 206,500 196,587
Avg Yr Flw 101.46 112.76 37.14 39.62 78.17 83.40 75.37 71.75

**Hydrants flushed this month

October 2019 531,958, Spring 2020 not flushed. Fall 2020 582,024 Spring 2021 704,842 Fall 2021 744,925

Sewer Flow

June flow down from May -24% EWWTP and -32% WWWTP combined flow 366,527. July flow down from June -1% EWWTP and -16% WWWTP. August flow up from July +20% EWWTP and +18% WWTP, Sept flow up from August +47% EWWTP, 98% WWWTP October flow down -41% EWWTP, -40% WWWTP, November flow down -7% EWWTP, -30% WWWTP. December flow down -9% EWWTP, -27% WWWTP

Planned Work

- HVAC Replacements, UV lights??
- MDE water inspection corrections and emergency plan update
- Continue Fire Hydrant ID tag and numbering system installation
- Regulatory: Grease Ordinance completion.
- Bid Sludge Hauling and Chemicals.
- Reed Bed Development cost analysis.

ARP Budget and WS Projects: Water Line Replacements: Linden Blvd, Remsburg, Springline. Staff has met to develop project priorities. DPW has initiated 3 projects at this date (I&I, Remsburg Park Connector Water). Franklin Street waterline 95% complete, online.

Open Projects

I & I Walnut to Jefferson St.: Submitted plans for permit, easement document created. Construction documents at 95% and ready to bid when the budget is available. **Easements Needed.** 11/17/2021 plans resubmitted for permit. I and I contract from Loguidice and Barton.

ADA sidewalk ramp reconstructions: Franklin St complete.

W WWTP. Final pond baffle is malfunctioning, Investigation needed. Needs review. Meeting with MDE to begin the project and discuss the process and procedure. Request for Qualifications is on website and due Feb 2. Grant application due Jan 31, 2022.

Develop Grease Trap Ordinance and Education Program: No Action

Water System:

Hydraulic Model:

System: Risk and Resilience certification made to EPA, **Emergency Response Plan Certification is due Dec 31, 2021.**

Broad St Streetscape: Storm drain is 50% complete and project is a month behind (material delays), sanitary sewer cleanout installations 75% complete, 40% complete. Focus work is to replace curb and base pave the south end of Broad (between Locust and Franklin).

SSO and I&I: Regulating flow daily to meet the flow discharge in our permits. Public Announcement for I & I Project and to disconnect illegally connected sump pumps (provide early notice). MDE has sent a letter of assessment for SSO's back to 2019. Agreeing to settle for \$3157.00 we will appeal with information to support our appeal. No response as of yet. I & I contract awarded and met with Consultant to review concerns and execute contract (Oct 5), waiting for contract week.

MDE /Permits: East WWTP Discharge Permit (exp Dec 2021) submitted 22 months prior to expiration and then revised 14 months before expiration. We have requested an increase in discharge flow from 250,000 to 350,000. EPA / MDE inspection of East WWTP on May 18, 2021. Have received minor comments and addressed and responded. New West Plant permit is active and new spreadsheets and MOR will need to be created. (5 days required to complete). New permit requirements to be addressed to MDE within 6 months. Renewal for the Irrigation PS has been completed.

MDE MS4 Permit Reports: JR Hawkins has completed, due Oct 2021.

West Wastewater Treatment Plant: No issues. RFQ letter is ready to be advertised on the website.

East WWTP: Permit renewal complete (exp Dec 2021).

Municipal Center: no action

Maintenance Facility: Contract has been executed with Triad Engineering. We have received a preliminary sketch. No action.

Washington Street: 95% drawings provided to Board for review and presentation to residents November 2020 meeting. Resident requests need to be resolved. Updated consultant with changes and submitted for permits, staff has specs at 95%. Expect a spring bid date.

Pedestrian Blinker signs: One in reserve waiting for a location.

Wiles Branch Stream Rehabilitation: Survey work has begun. Change order to add additional length to Main St. No Action

Linden Boulevard Culvert Replacement: RFP meeting with Frederick Seibert completed. Proposal has been received and is being reviewed. Proposal amount of \$31,600 was accepted and awarded. Change order to add additional length to Main St. (MS4 qualification). Consultant in design process. No action

Brookridge PS: Clogging pumps has occurred several times in the last month. Preparing schematic design for consultant.

Booster Station Process Pipe Upgrade: Continue to review submitted shop drawings. Anticipated start is delayed till March. Materials have been received and March start date is likely.

Middletown Glen Parking: Removed for consideration by Town Board. Will be removed from the report in February.

Developments

Middletown Library: Improvement plans have been reviewed. No action

ADMAR Annexation: Design for treatment plant in progress, MDE is provided documents regarding the appropriation request. Meeting with MDE and developer regarding the WTP in November. No action.

Chesterbrook IP's: Second building under construction. Developer is waiting for Franklin ST waterline to be completed to proceed on the turn and accel lane.

Middletown Municipal Hall: Received water meter vault for review and comment.

Horman Property Caroline's View: 9 Condo Units. Received revised guarantee and approved. No action.

Future Budget Considerations

W&S: Comprehensive sewer plan, West WWTP ENR plant replacement (non process component for Town budget).
upsized CB pumps, regional pressure monitors.

GF: Additional 1 ton truck.

Part 1: Vision & History of Water Resources

With the adoption of HB 1141 in the 2008 Maryland General Assembly, the Town is now required to prepare a Water Resource Element in our Comprehensive Plan. The purpose of this element is to evaluate the land use plan and its potential impact on local water resources. These resources include ground and surface water supplies, as well as streams and rivers that are tributaries of the Chesapeake Bay.

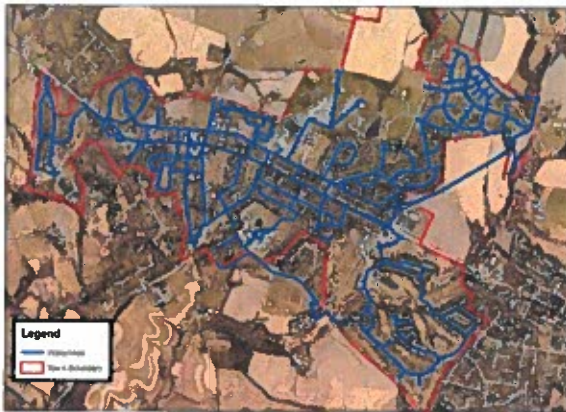
Section 1: Vision

Maintain a safe, secure and adequate drinking water supply to accommodate the needs of the current population as well as future generations, while protecting and enhancing the quality of the areas surface water, groundwater, and wetlands. Promoting coordinated planning with other federal, state, and local agencies responsible for drinking water, wastewater water, and stormwater management.

Section 2: Physical Overview

The Middletown water system is supplied by twenty-three (23) wells and four (4) major groups of springs located on the west side of the Catoctin Mountain, north of town. The Middletown water system draws from the Catoctin Mountain Aquifer. Raw water sources are stored in a 1-million-

gallon ground storage tank. Raw water from the raw water tank flows directly to our water treatment plant (WTP 01). The raw water tank and the treatment plant are located just west of Hollow Road about one mile north of the intersection with US Alternate 40. Water treatment consists of adding caustic soda, for pH adjustment, chlorine, as a disinfectant to protect against microbial contaminants. From the plant, the water is pumped to our 400,000 gallon elevated storage tank. Two other sources of raw water are treated by



Town of Middletown - Water Distribution System

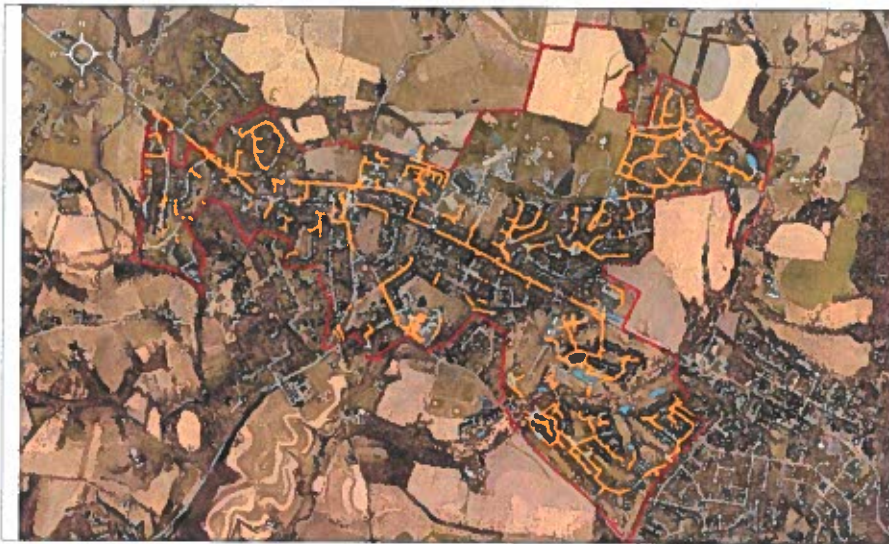
independent water treatment plants and flow directly into the distribution system. Those wells are 15 (WTP 02) and 22 and 23 (WTP 03 – Brookridge). Both facilities remove iron and manganese and disinfect the water for public consumption.

The sanitary sewer system has three (3) drainage basins, with three (3) sewage pump stations; Brookridge South (BSPS), Cone Branch (CBPS), and Foxfield (FPS). These pump stations send sewerage to one of two wastewater treatment facilities; East Wastewater Treatment Plant (East WWTP) or West Wastewater Treatment Plant (West WWTP). The East WWTP discharges into Hollow Creek while the West WWTP empties into Catoclin Creek.



Town of Middletown - Sanitary Sewer Collection System

Stormwater management facilities are located throughout the Town. These facilities vary in from the early days of stormwater management to integral bio-retention style stormwater management. Most of the facility in the Town are owned and maintained by the Town. The rest are owned and maintained by private ownership or homeowner's associations. These facility discharge to local streams in the areas such as; Hollow Creek, Cone Branch Creek, Wiles Branch Creek, Tanners Run, and Catoclin Creek.

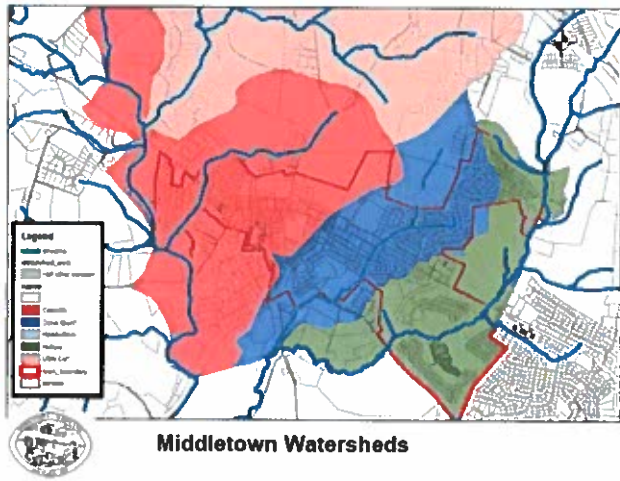


Town of Middletown - Stormwater Drainage

Part 2: Existing Water Resources

Section 1: Watersheds

Catoctin Creek flows through the Middletown Valley, an intermountain area characterized by heavily rolling land and narrow streams. The valley is surrounded on three sides by the Catoctin and South Mountain ridgelines. These mountain ranges form the boundary of the Catoctin Creek watershed, which accounts for approximately 25% of Frederick County's total land area. Although Catoctin Creek Watershed is the watershed referred to in overviews regarding the Middletown Valley, for the purposes of allocation of water rights, the Maryland Department of the Environment (MDE) has broken down the Catoctin Creek Watershed into other sub-section for legal allocations to users of the watershed.



MDE uses the principal that water rights are based on control/ownership of land within each watershed. These rights are then reviewed through MDE determining the water balance within the aquifer using the formula below:

	WATERSHEDS			
	Catoctin Creek	Cone Branch	Hollow Creek	Bussard Creek
Gross Acreage By Digital Planimetry	369	527	846	10
Net Acreage Available for Allocation (Assumes 10% impervious surface)	332	474	581	9
Drought (1-in-10) Ground Water Availability (432 gpd/ac)	143,467	204,898	251,165	3,888
Set-Aside for Maintenance of a 7Q10 Base Flow (15 gpd/ac)	4,982	7,115	9,721	135
Groundwater Potentially Allocable in the Watershed (gpd)	138,486	197,783	242,444	3,753
Groundwater Potentially Allocable in the Watershed (gpm)	96.17	137.35	168.36	2.61
Currently Allocated by Appropriation Permit (gpd)	25,500	73,500	308,000	0
Available Allocation (gpd)	112,986	124,283	-65,556	3,753
Potential Units (EDU's)	452	497	0	15

Commented [DB1]: Provide an explanation of why the Hollow Creek Aquifer is over allocated.

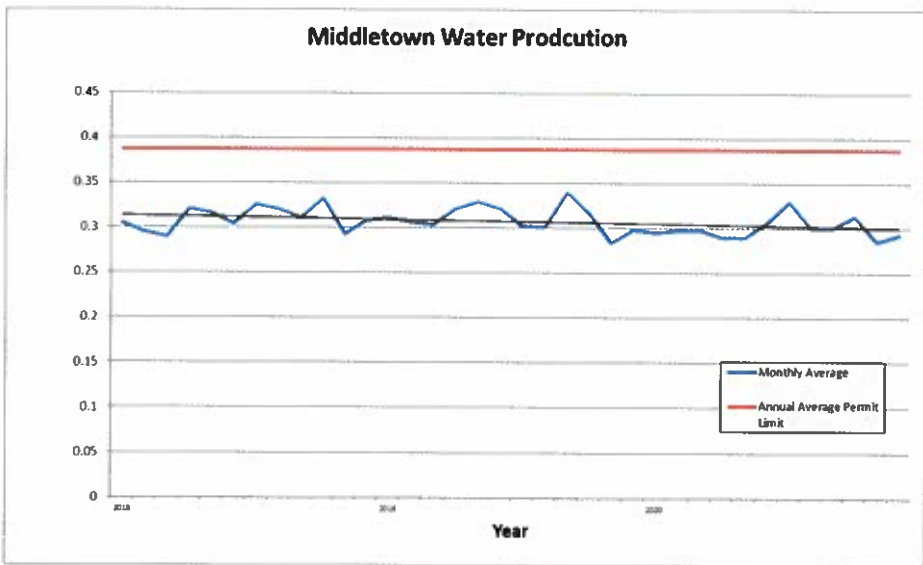
It is important to recognize that the maximum allocation of water, using the MDE water balance for the Middletown Valley aquifer, makes it challenging to meet the Smart Growth Density of 3.4 units/acre. This factor must be considered in determining future zoning densities for the Town.

Part 3: Water Resources Demand

Section 1: Existing Demand

Water resource has two (2) elements; existing demand and future demand. As of the beginning of 2020, the Town of Middletown has 1,708 water service accounts. The existing demand for these accounts varies seasonally, with the three (3) years average daily demand at 0.307 million gallons/day (MGD).

Commented [DB2]: Add additional information regarding our Water Capacity Report and how it ties back to our Land Use Plan.



Section 2: Future Demand

The future demand for water resource in Middletown is directly related to the anticipated growth in Frederick County. Frederick County projects a population of 331,700 by 2040, which is an increase of approximately 60,000 people. This population increase would result in a need for approximately 37,400 new dwelling units. These new residential dwelling units are targeted to occur in the County's Community Growth Areas which includes the Town of Middletown.

**Table 7-1
Town of Middletown
2040 Projected Water Resources Needs**

Projected 2040 Population	5092 ¹	Projected 2040 Household Size	2.68 ²
Current 2020 Population	4943 ³	Current 2020 Household Size	2.70
Projected Additional Population 2020-2040	894	Current 2020 Annual Average Daily Water Use (gpd)	307,000
Projected Additional Dwellings Needed	334	Projected Annual Average Additional Residential Water Needed (gpd) ⁴	100,200
Projected Additional Non-Residential Needs – acres	44 ⁵	Projected Annual Average Additional Non-Residential Water Needed (gpd)	2,226

Commented [DB3]: Working with Cindy to update these numbers with Middletown numbers, not the County. Address concerns over the census data conflicts with our records

The future water resource needs of Middletown can be estimated using the above-referenced population projection; it is assumed that by 2040 an additional 100,200 gallons per day of drinking water supply will be needed to service Middletown residents. It is also assumed that by 2040 an additional 2,226 gallons per day of water supply will be needed to service non-residential users in Middletown.

Section 3: Water Allocations

As stated previously, the fact that the amount of water MDE will allow per acre is low in the context of land development. Because of that reason, it is critical that the Town consider carefully where and what density the Town applies to land within its growth area. To that end, the Town

Current Appropriation Permits

Watershed	Annual Average (GPD)	Month of Maximum Use (GPD)	Permit Number	Expiration Date
Hollow Creek	308,000	330,800	FR1974G025 (07)	4/1/2022
Calocottin Creek	25,500	33,200	FR1974G125 (02)	9/30/2032
Cone Branch	53,500	80,000	FR1974G225 (06)	5/1/2023
Total	387,000	504,000		

has established a policy that land will be developed in the Town based on the water rights that the land to be developed brings with it. Although the

transfer of water allocations between watersheds is permitted by MDE, the Town does not allow

¹ According to the Maryland Department of Planning

² According to the Maryland Department of Planning

³ According to Frederick County population statistics

⁴ Based on Middletown requirement that developers must provide 250 gallons of allocable water per unit (gphd).

⁵ Based on General Commercial acreage within town's growth boundary.

those transfers due to potentially being left with undeveloped land in an aquifer with no future allocations available under current state guidelines.

Commented [DB4]: In Section 3 - We will add, as examples, the impact of major potential subdivisions like AC Jets, Topper Property, Wiles Property as to how that will effect the water balance in each of the watersheds.

Part 4: Water Supply

In Middletown, the drinking water system is supplied by twenty-three (23) groundwater wells and four (4) major groups of groundwater springs located on the west side of the Catoclin Mountain, north of town. Water from these springs flow by gravity to a new million-gallon concrete ground storage tank, which was completed construction in 2021. These drinking water supplies are obtained from ground water sources, as opposed to surface water. There are no private wells in the Town of Middletown.

Ground water is stored in aquifers and crevices beneath the ground that are recharged by precipitation. In an unconfined aquifer, the most common in the Middletown valley, ground water moves horizontally before it is discharged into a stream or other surface water body, such as a seep, spring, or wetland. Stream flow directly correlates with the rise and fall of the water table; both are impacted by climatic and drought conditions.

Disruptions to the natural hydrologic cycle by land use affects availability of both ground water and surface water supplies. The steady increase in the area's population that is expected over the next twenty years poses a significant impact to the availability of this limited natural resource. Increased development reduces water recharge areas and has the potential for introducing new pollutants and contaminants to watersheds. This section assesses the availability of groundwater and presents its limitations.

The available supply of groundwater in Middletown is dependent upon the underlying geologic conditions. In most areas, the water bearing characteristics of the geology offer low storage capacity and low transmissibility. An extensive stream network and the nature of fine particle soils contribute to these characteristics. The United States Geologic Survey (USGS) and Maryland Geological Survey have generalized the water yielding character of Frederick County's aquifers and organized them by hydrogeomorphic region. Middletown is located in the Piedmont Crystalline region.

The poorest aquifers, in terms of yield and capacity, include fractured rock aquifers which are typical in the Piedmont Crystalline regions. In addition to geology, climatic conditions impact groundwater. Seasonal variation in groundwater table level is a primary limitation to its use as a reliable water supply. In a recent evaluation of the Catoclin Creek watershed, it was concluded that groundwater may be an adequate source during average precipitation years, but under drought conditions, groundwater supplies are not adequate to meet existing demand and support the biological and natural resources of the watershed⁶. Groundwater supply limitations are typically

⁶ 2006. MDE. *An Evaluation of Water Resources in the Catoclin Creek Watershed, Frederick County, Maryland.*

accentuated during the summer months. Mid-June through mid-September is historically the driest time of the year and groundwater supply declines significantly during the summer months.

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Other Elements/Sections to be included to the Water Resource Chapter

#1 - Water Resources Goals

Achieving the Town's water resources goals will take a coordinated effort by its citizens, the town's government, and its businesses. Each has a role to play in protecting the Town's water resources for future generations. The overarching goals for the Town of Middletown's water resources are:

1. Maintain a safe, secure and adequate drinking water supply to accommodate the needs of the current population as well as future generations.
2. Protect and enhance the quality of the Town of Middletown's surface waters, ground water resources, and wetlands, with the goal of exceeding all environmental regulatory requirements.
3. Invest in water and sewer infrastructure that will provide ample treatment capacity for projected demand and reduce total maximum daily loading (TMDL) of pollutants to rivers and streams.
4. Promote coordinated planning with other federal, state and local agencies responsible for drinking water, wastewater, and stormwater management.
5. Engage Middletown's citizens in watershed conservation and promote a stewardship ethic.

#2 - Drinking Water Policies

1. Diversify sources of public drinking water and explore alternatives in order to meet future demand.
2. Employ demand management strategies and conservation measures (water pricing, recycling and reuse) to maximize use of existing resources.
3. Stage new real estate development projects according to the availability and adequacy of drinking water supply.
4. Include individual well construction on adjacent town limit properties within the growth boundary for future water service connection.
5. Encourage and support research and monitoring of local groundwater conditions, aquifer recharge, watersheds and streams.

Drinking Water Action Items

1. Replace aging water main lines and other aging water-related infrastructure.
2. Establish a water recharge easement program to increase the land area within the town limits for recharge purposes.
3. Coordinate with Frederick County on the feasibility of interconnections with the County distribution system for emergency situations.
4. Enhance its water conservation education program for citizens and businesses in Middletown stressing summertime (peak) demand management and an overall household reduction in water use (in gpd).
5. Develop a water-resources-based GIS database for review of development plans and proposals.
6. Identify and advocate appropriate County protection measures in the Town's wellhead, springhead, and headwater areas that lie outside the town boundaries.
7. Require complete data regarding the availability and reliability of groundwater resources to assist in making land use decisions.
8. Continue coordination with the County to collect and share consistent drinking water data.

#3 - Wastewater Policies

1. Stage new real estate development according to the availability and adequacy of wastewater service.
2. Consider the inclusion of adjacent properties on individual well and septic construction for future water/sewer service connection as part of the comprehensive planning process.
3. Enhance its residential, commercial and industrial water conservation measures in order to reduce inflow to the wastewater treatment facilities.
4. Reduce inflow and infiltration into the wastewater collection system.
5. Reduce point source pollution that results from wastewater disposal.

Wastewater Action Items

1. Complete additional I & I work over the next 10-20 years in the Capital Improvements Program budget.
2. Develop effective disposal of sludge removal.

January 19, 2022

The Honorable John Miller, Burgess
Mr. Rick Dietrick, Commissioner
Ms. Jennifer Falcinelli, Commissioner
Mr. Christopher Goodman, Commissioner
Ms. Jean LaPadula, Commissioner
Mr. Kevin Stottlemyer, Commissioner
Town of Middletown
Middletown Municipal Center
31 West Main Street
Middletown, Maryland 21769

Mr. Andrew J. Bowen, Town Administrator
Town of Middletown
Middletown Municipal Center
31 West Main Street
Middletown, Maryland 21769

- BURGESS
- ADMINISTRATION
- PUBLIC WORKS
- PLANNING & ZONING
- WATER & SEWER

Re: Water Service Connection – 35 East Main Street

Dear Burgess Miller, Commissioners and Mr. Bowen:

This law office represents Mr. and Mrs. Robert Bishop in connection with certain matters. The Bishops recently purchased the property known as 35 East Main Street, in Middletown (the "Property"). On December 9, 2021, the Bishops received a letter from Mr. Bowen informing them that the Property has two individual water service connections, one for the home and one serving the apartment in the rear of the Property (35-A East Main Street), an arrangement which is apparently contrary to the Town's Code Section 13.04.020 and the Town's Water & Sewer Policy and Design Manual. According to Mr. Bowen, this issue was raised with the previous owners of the Property, but the matter was never resolved.

The Bishops were surprised to receive this letter, as the previous owners completely failed to disclose any issues related to the Property's water connections prior to closing. Based on documents Mr. Bowen has provided, it appears that the Town notified the former owners of this matter in April of 2019 and it was supposed to be addressed at that time as part of the installation of the new East Main Street waterline. For unknown reasons, this did not happen.

The Honorable John Miller, Burgess
Commissioners, Town of Middletown
Mr. Andrew Bowen, Town Administrator
January 19, 2022
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My clients did not create this issue, and were not aware of it prior to their purchase of the Property. Accordingly, the Bishops request that the Town grant an exception to Section 13.04.020 for the Property. Apart from being a technical violation, there does not appear to be any harm caused to the Town or its residents by the current water connection arrangement at the Property. Alternatively, the Bishops request that the Town pay for the cost of any work required to remediate the issue.

If the Town is unwilling to make either accommodation, the Bishops will review all options available to them with respect to this matter. It seems to me that given the water meter existed long prior to the adoption of the ordinance, the meter would be grandfathered in. Retro-active applications of ordinances that result in a property taking would not be enforceable.

Thank you for your consideration. I look forward to resolving this matter with you.

Sincerely,



Leslie A. Powell

LAP/hcp

cc: Robert and Marilyn Bishop



**Burgess and Commissioners of Middletown
Middletown, Maryland**

American Rescue Plan Budget

**Total ARPA Funds:
\$ 4,721,364.00**

Approved CIP Projects ARPA Qualified	Budget		Comments
Reservoir Improvements	\$ 152,663		Completed
Booster Station - Upgrade; Pumps; VFD's; Piping	\$ 331,257		Contract Awarded - March 1, 2022 Start; Weather dependent
Booster Station - New Magmeter	\$ 5,000		Added to Booster Station Contract
Booster Station - Roof Replacement/Building Painting	\$ 5,000		Added to the Booster Station Contract
SCADA System Installation - Phase II & III	\$ 60,000		Waiting for Pricing Quote
Water & Sewer Facilities Study	\$ 40,000		No Action
Water Meter Replacements	\$ 40,695		On going
Regional PRV Pressure Monitors	\$ 5,000		No Action
Well Field Pump Replacement	\$ 9,200		Ordered the Pumps
Well 15 Turbidmeter Replacement	\$ 4,000		Completed
Brookridge South PS - Spare Pump	\$ 6,000		No Action
Cone Branch Pump Station - Roof Replacement	\$ 20,000		No Action
East WWTP - Bar Screen Refurbishment	\$ 55,000		Completed
East WWTP - New Filter Tank	\$ 400,000		Contacted Manufacturers
East WWTP - Dewatering Solution Sludge Tank - Engineering	\$ 15,000		No Action
East WWTP - Influent Flume & Ultrasonic Meter	\$ 20,000		No Action
East WWTP - Filter Building Roof Replacement	\$ 30,000		No Action
East WWTP - Sludge Removal Reed Beds	\$ 35,000		Permit Process to be Started
East WWTP - Sludge Mag Meter	\$ 15,000		No Action
West WWTP Muffin Monster Refurbish	\$ 17,000		No Action
Reed Bed Pumps Service/Rebuild	\$ 5,000		No Action
Effluent PS New Louver Damper	\$ 2,000		No Action
Admin Bldg New Front Door	\$ 2,000		No Action
CBPS SCADA Valve	\$ 13,000		No Action
CBPS Muffin Monster Replacement	\$ 15,000		No Action
CBPS Spare Transducer	\$ 3,000		No Action
Inflow & Infiltration Study & Construction	\$ 375,000		Study Awarded - In Progress - Scheduling monitoring of Manholes
Sub-Total	\$ 1,680,815		
Surplus/(Deficit)	\$ 3,040,549		

Additional Water & Sewer Projects ARPA Qualified	Amounts	Priority	Comments
Remsburg Park Waterline	\$ 410,000		In Preliminary in-house Design
Brookridge South Pump Station Upgrade	\$ 375,000		No Action
Franklin to Broad Waterline	\$ 200,000		Completed
Linden to Conebranch Waterline	\$ 352,000		Plans send to Contractor for Pricing
Inflow and Infiltration Project	\$ 955,915		Received Quote from Contractor - Send letters for Construction Right-of-Ways Needed for Project
Broad Street Reconstruction - Water & Sewer Costs	\$ 238,454		Contact Awarded - In Progress
Sub-Total	\$ 2,531,369		
Total of Water & Sewer Projects	\$ 4,212,184		
Surplus/(Deficit)	\$ 509,180		

ARPA Projects - NON Water & Sewer	Amounts	Priority	Comments
Support of Non-Profit Businesses	\$ 100,000		Board Approved Program
Support of Profit Businesses	\$ 409,000		Board Approved Program
Assistance Customers with Water Bills	\$ 15,000		Not needed. All accounts either have a payment plan or have zero balance
Wiles Branch Stream Restoration (MS-4)	\$ 400,000		Design Contact Awarded - In Progress
Payroll Reimbursement/Hazardous Duty Pay	\$ 21,800		Completed
LifeSize - Interactive for Virtual Meetings	\$ 21,326		Completed
Broadband Upgrades	\$ 25,000		No Action
Sub-Total	\$ 992,126		
Total ARPA Projects	\$ 5,204,309		
Total ARPA Funds	\$ 4,721,364		
Surplus/(Deficit)	\$ (482,945)		

Paving Project Related to Savings from ARPA Funds	Amounts	Priority	Comments
Manda Drive & Manda Court - Mill & Overlay	\$ 90,210.00		Completed
Total Paving Projects	\$ 90,210.00		

Legend	
	Completed Project
	Project Removed and/or Deleted
	In Progress
	No Action