



**HALIFAX
TOWNSHIP**

HALIFAX AREA WATER AND SEWER AUTHORITY

HALIFAX TOWNSHIP SEWER EXTENSION PROJECT

PUBLIC MEETINGS NOS. 7 & 8

JANUARY 23, 2024 & JANUARY 30, 2024

INTRODUCTIONS

HERBERT, ROWLAND & GRUBIC, INC. (HRG) – PROJECT ENGINEER

- Justin Mendinsky, P.E. – Project Manager
- Adam Gruzlewski – Resident Project Representative (RPR)

HALIFAX AREA WATER AND SEWER AUTHORITY (HAWASA)

- Jeffrey Enders – Authority Chairman

HALIFAX TOWNSHIP BOARD OF SUPERVISORS

PROJECT STATUS AND SCHEDULE

PROJECT STATUS

- Construction on the Project began in July 2023, with work anticipated to continue through Fall 2024
- As of the meeting date:
 - Construction of all three pump stations has begun by contractor PSI Pumping Solutions, Inc.
 - Gravity sewer lateral crossings of SR147 for 9 properties north of Powells Valley Road have been constructed and tested
 - Low pressure sewer installation has been performed in multiple project areas; Grinder pump installation began during the week of January 22nd
 - Gravity sewer mains have been installed near Fellowship Drive and Oak Avenue
 - Force main construction within the Lenker Estates development has been completed
 - A tentative schedule for the Notices to Connect for each area of the project is provided on a later slide and will be issued in a rolling fashion as portions of the system are completed and are ready for connection
- Please see the Project Website for periodic project status updates

PROJECTED SCHEDULE – GRAVITY MAINS & LATERALS TOWNSHIP ROADS

Work Area	Date Range
Fellowship Drive	Jan. 2024/Completed
Triangle Manor – Oak Ave	Jan. 2024/Completed
Triangle Manor – Elm Ave & Sycamore Ave	1/23/2024 – 2/6/2024
Williams Street/Clover Lane/Million Dollar Road	1/24/2024 – 2/21/2024
Hill Drive	2/1/2024 – 2/28/2024
Creek Road	2/8/2024 – 3/5/2024
Matamoras Road	4/8/2024 – 4/30/2024

5 **Note: Dates provided are based on Contractor's January 2024 schedule and are subject to change and weather delay**



PROJECTED SCHEDULE – GRAVITY MAINS & LATERALS PENNDOT ROADS

Work Area	Date Range
Peters Mountain Road (SR225) – from Creek Road toward Roadcap Lane	2/20/2024 – 3/19/2024
Peters Mountain Road (SR225) – near Roadcap Lane Pump Station	3/11/2024 – 5/6/2024
Peters Mountain Road (SR225) – from Roadcap Lane to North of Matamoras Rd	3/18/2024 – 4/24/2024

Note: Dates provided are based on Contractor's January 2024 schedule and are subject to change, weather delay and PennDOT approval of Contractor's roadway closure and detour plan

PROJECTED SCHEDULE – LOW PRESSURE SEWER

Work Area	Date Range
Low pressure sewer (LPS) pipings only has been constructed in the following areas; Additional contractor work is required to install new precast concrete structures slated for February 2024: <ul style="list-style-type: none">- Galli Rd, Lauren Lane & Parmer Drive- Maple Ave- Roadcap Lane- Matamoras Road- Creek Road	
S. River Road (SR147)	1/22/2024 – 2/5/2024
Powells Valley Road	2/6/2024 – 2/19/2024

Note: Dates provided are based on Contractor’s January 2024 schedule and are subject to change, weather delay and PennDOT approval of Contractor’s roadway closure and detour plan

PROJECTED SCHEDULE – GRINDER PUMPS & LATERALS

Work Area	Date Range
Galli Road	1/22/2024 – 1/30/2024
Lauren Road	1/31/2024 – 2/19/2024
Parmer Drive	2/19/2024 – 3/11/2024
Fellowship Drive	3/11/2024 – 3/14/2024
Maple Avenue	3/14/2024 – 3/19/2024
Sycamore Avenue	3/19/2024 – 3/25/2024
Powells Valley Road	3/25/2024 – 4/16/2024
S. River Road (SR147)	4/16/2024 – 4/23/2024
Peters Mountain Road (SR225)	4/23/2024 – 5/9/2024

PROJECTED SCHEDULE – GRINDER PUMPS & LATERALS

Work Area	Date Range
Matamoras Road	5/9/2024 – 5/14/2024
Roadcap Lane	5/14/2024 – 5/20/2024
Creek Road	5/20/2024 – 5/27/2024

Note: Dates provided are based on Contractor's January 2024 schedule and are subject to change and weather delay

AUTHORITY/OWNER RESPONSIBILITIES

AUTHORITY/OWNER RESPONSIBILITIES

GRAVITY LATERAL

Authority

- Lateral installation from sewer main to ROW, including clean out
- Restoration of surfaces disturbed by Authority Contractor

Owner

- Building sewer installation from clean out to Owner's septic system
- Internal plumbing modifications, if required
- Abandonment of existing OLDS
- Restoration of surfaces disturbed by Owner's Contractor

AUTHORITY/OWNER RESPONSIBILITIES

LOW-PRESSURE LATERAL

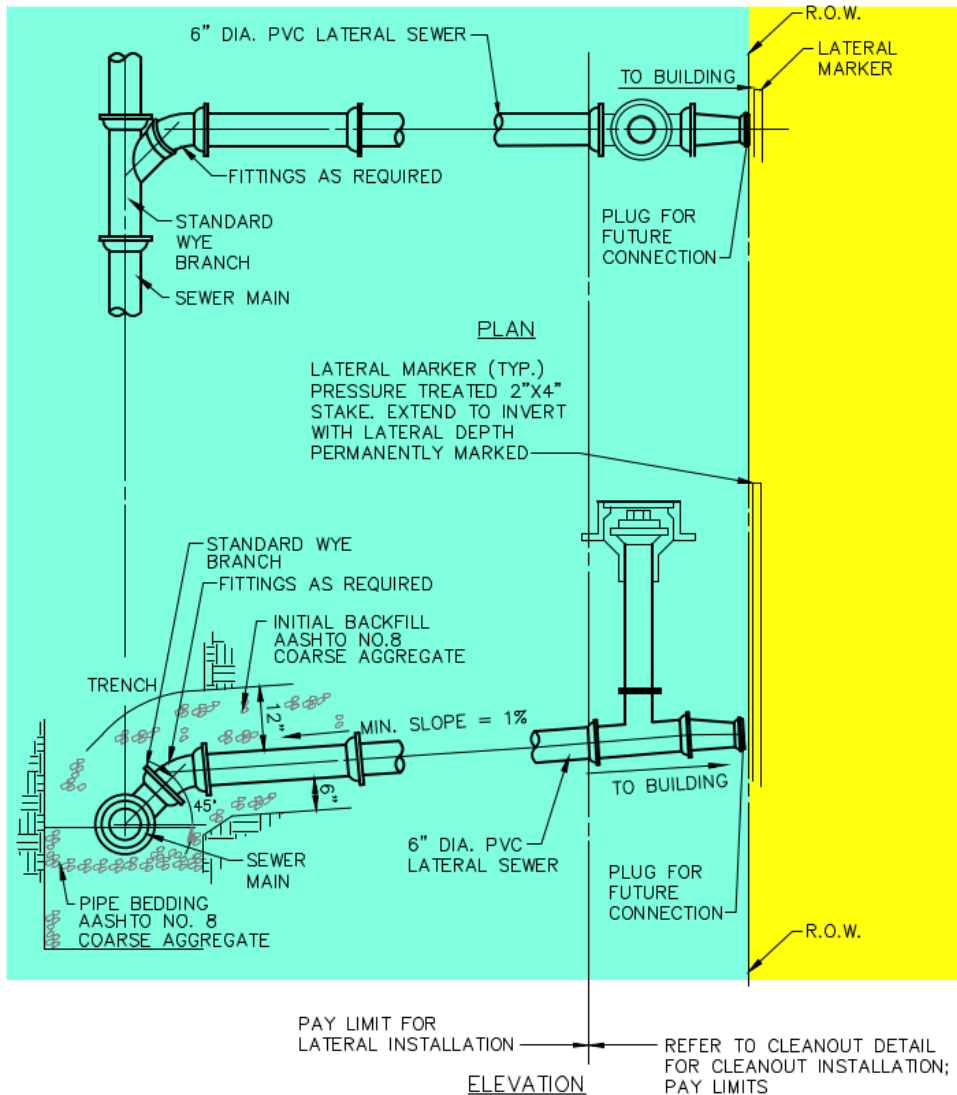
Authority

- Low-pressure lateral installation from sewer main to grinder pump, including check valve and shut off valve
- Purchase and installation of grinder pump system and control panel
- Maintenance, repair, and/or replacement of the grinder pump system as required for duration of PENNVEST loan

Owner

- Building sewer installation from Owner's septic system to grinder pump system
- Installation of electrical power supply from house to control panel
- Granting of 30-foot Temporary Construction Easement and 20-foot Permanent Maintenance Easement
- Abandonment of existing OLDS

TYPICAL GRAVITY LATERAL

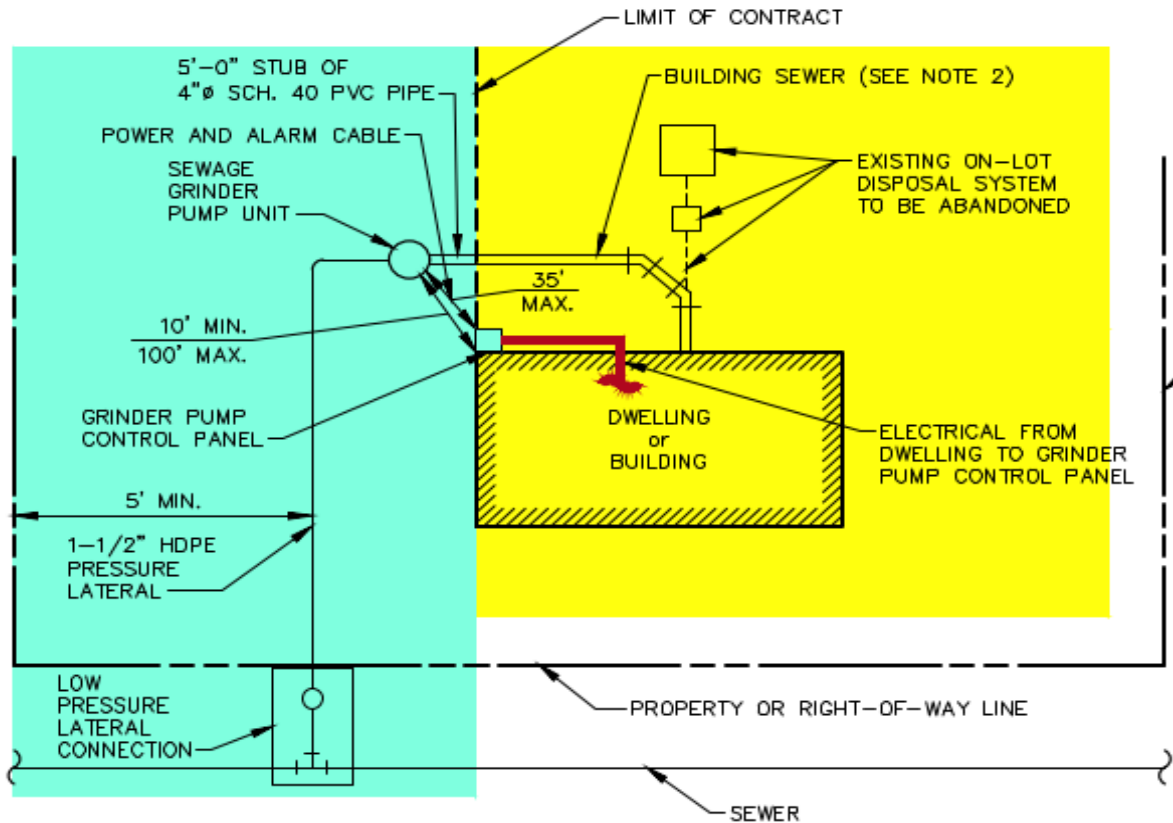


WORK TO BE COMPLETED BY CONTRACTOR

WORK TO BE COMPLETED BY PROPERTY OWNER

STANDARD LATERAL DETAIL
 NOT TO SCALE

TYPICAL LOW-PRESSURE LATERAL



WORK TO BE COMPLETED BY CONTRACTOR

WORK TO BE COMPLETED BY PROPERTY OWNER

NOTES:

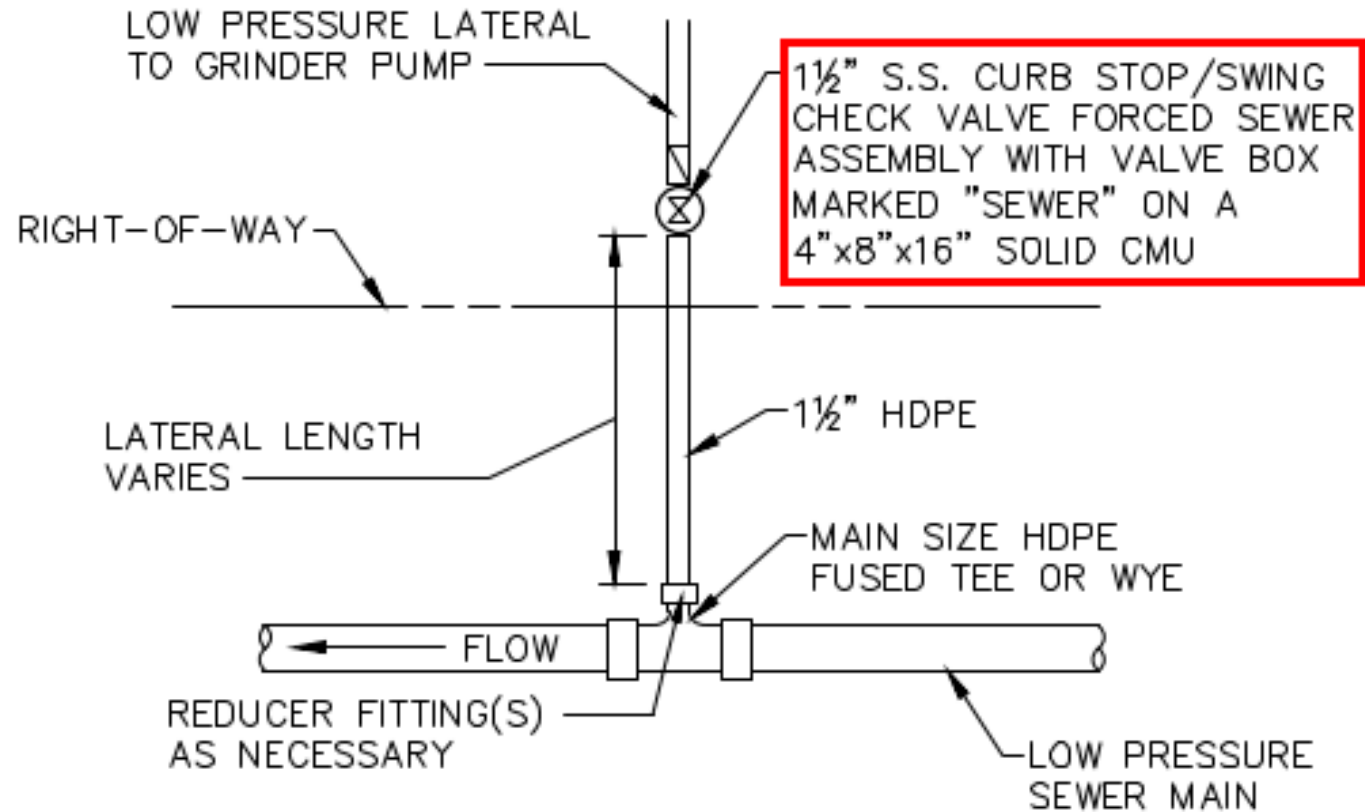
1. GRINDER PUMP MUST BE LOCATED A MINIMUM OF 10 FT. FROM STRUCTURE.
2. BUILDING SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEP GUIDELINES, AUTHORITY RULES AND REGS., AND INTERNATIONAL PLUMBING CODES.
3. CONTRACTOR TO COORDINATE LOCATION OF GRINDER PUMP UNIT AND CONTROL PANEL WITH PROPERTY OWNER.
4. DISTANCE BETWEEN DWELLING AND PRESSURE LATERAL SHALL BE 5' MINIMUM, OR AS REQUIRED BY LOCAL CODES, ORDINANCES, RULES AND REGULATIONS OF GOVERNING SERVICE AUTHORITY.

PLAN

TYPICAL LOW-PRESSURE LATERAL CONNECTION

CHECK VALVES ARE PROVIDED TO PREVENT BACKFLOW TO HOMEOWNER'S SYSTEM

FACILITIES IN THIS SCHEMATIC WILL BE INSTALLED BY AUTHORITY'S CONTRACTOR



TYPICAL GRINDER PUMP INSTALLATION



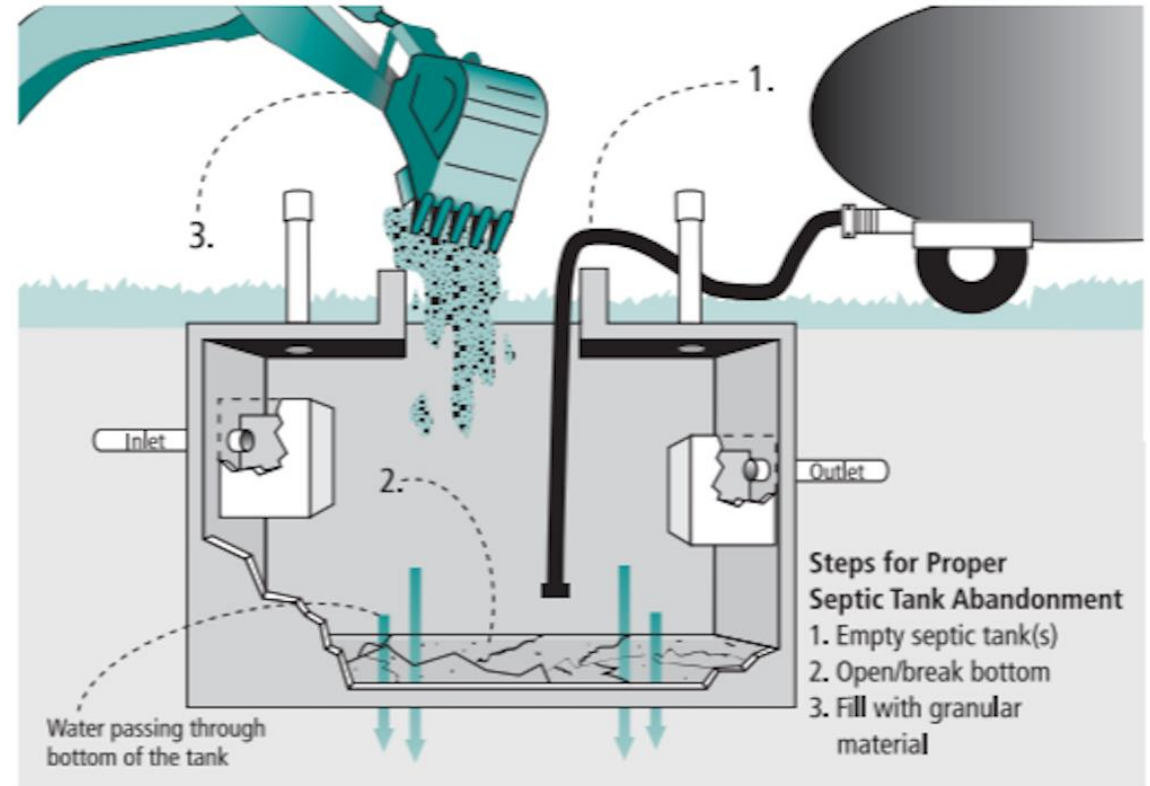
CONNECTION TO EXISTING HOUSE PLUMBING

- Building sewer piping material to be Schedule 40 PVC
- If existing exterior plumbing to OLDS is PVC and in good condition, the contractor does NOT need to replace piping to building foundation and can connect to existing piping with appropriate fittings/adapters
- If existing piping is other material, the new piping should connect at the building foundation to eliminate potential for infiltration/inflow to enter Authority Sewer System and to avoid potential backups if piping is cast iron
- All new piping is to be inspected by the Authority prior to backfilling

ON-LOT DISPOSAL SYSTEM (OLDS) ABANDONMENT

OLDS ABANDONMENT

- After connection to the public sewer system has been made, existing On-Lot Disposal Systems (OLDS) will have to be abandoned
- Abandonment must comply with local Sewage Enforcement Officer (SEO) requirements
 - Requirements and abandonment procedure available on Project Website



<https://www.pumper.com/uploads/images/abandoned-tanks-2.png>

BRIAN S. McFEATERS
SEWAGE ENFORCEMENT OFFICER
SPECIALIZING IN ON-LOT SOIL TESTING AND DESIGN
664 BRICKER LANE ANNVILLE PA 17003
CELL 717-813-6492 FAX 717-867-2482

PROCEDURE FOR ABANDONING A SEPTIC TANK

1. THE CONTENTS OF THE SEPTIC TANK SHALL BE PUMPED AND DISPOSED OF AT A DEP ACCEPTABLE FACILITY. A RECEIPT FROM THE PUMPER SHOULD BE ACQUIRED AND PRESENTED TO THE S.E.O. WHEN IT IS INSPECTED.
2. ANY PIPES LEADING INTO OR OUT OF THE SEPTIC TANK SHALL BE REMOVED AND CAPPED.
3. THE SEPTIC TANK SHALL BE FILLED WITH EITHER SOIL, STONE (AASHTO #57) OR SAND, CRUSHED IN PLACE OR REMOVED, THUS ELIMINATING THE VOID.
4. SOIL SHALL BE PLACED OVER THE FILL MATERIAL AND GRASS PLANTED TO PREVENT EROSION.
5. THE TOWNSHIP S.E.O. SHALL BE NOTIFIED WHEN THE SEPTIC TANK IS BEING ABANDONED AND AN INSPECTION SHALL BE SCHEDULED.

ANTICIPATED DATES OF OWNER CONNECTION

ANTICIPATED DATES OF OWNER CONNECTION

- Halifax Township Ordinance No. 16-4-2016 prescribes requirements for connections to the public sewer system
- Section 2 – Notice to Connect; Time Limit
 - “When construction of a new Sewer is initiated and undertaken by the Authority, improved properties have 60 days to connect to the Sewer System after the delivery of the Notice to Connect”
- Notices to Connect will be sent out as each area is able to be served by the public sewer system extension
- Timing of connection is dependent not just on the installation of your lateral and the sewer main on your road, but also the installation and inspection of all facilities downstream, i.e.:
 - Downstream sewer mains and manholes
 - Pump Stations

ANTICIPATED DATES OF OWNER CONNECTION – GRAVITY SEWER SERVICE AREAS

Project Area	Estimated Early NTC Period
Peters Mountain Road North of Powells Valley Road	March 2024
Fellowship Drive	March 2024
Oak Avenue	March 2024
Triangle Manor – Elm Ave & Sycamore Ave	June 2024
Williams Street/Clover Lane/Million Dollar Road	June 2024
Hill Drive	June 2024
Creek Road	June 2024

Note: Dates are only to be utilized as an estimate. Testing, inclement weather, and other factors may delay actual dates of NTC.

ANTICIPATED DATES OF OWNER CONNECTION – GRAVITY SEWER SERVICE AREAS

Project Area	Estimated Early NTC Period
Matamoras Road	June 2024
Peters Mountain Road (SR 225) – from Creek Road toward Roadcap Lane	June 2024
Peters Mountain Road (SR225) – near Roadcap Lane Pump Station	June 2024
Peters Mountain Road (SR225) – from Roadcap Lane to North of Matamoras Rd	June 2024

ANTICIPATED DATES OF OWNER CONNECTION – GRINDER PUMP SERVICE AREAS

Project Area	Estimated Early NTC Period
Galli Road/Lauren Road/Parmer Drive	March 2024
Fellowship Drive	April 2024
Triangle Manor – Maple Ave & Sycamore Ave	June 2024
Powells Valley Road	May 2024
S. River Road (SR147)	June 2024
Peters Mountain Road (SR225)	June 2024

Note: Dates are only to be utilized as an estimate. Testing, inclement weather, and other factors may delay actual dates of NTC.

LENKER ESTATES PUMP STATION – USERS TO SWITCH TO AUTHORITY SEWER SERVICE

- Construction and startup of the Lenker Estates Pump Station is currently anticipated to occur by Mid-April 2024
- Following contractor startup of the station, the Authority will request operation of the station to be released to the Authority (grant partial Substantial Completion to the contractors)
- Authority billing to current Lenker Estates sewer users will be coordinated with current service provider and residents notified at time of pump station startup
- Anticipated service to be switched to Authority by May/June 2024

PROJECT COSTS & AVAILABLE FUNDING SOURCES FOR HOMEOWNERS

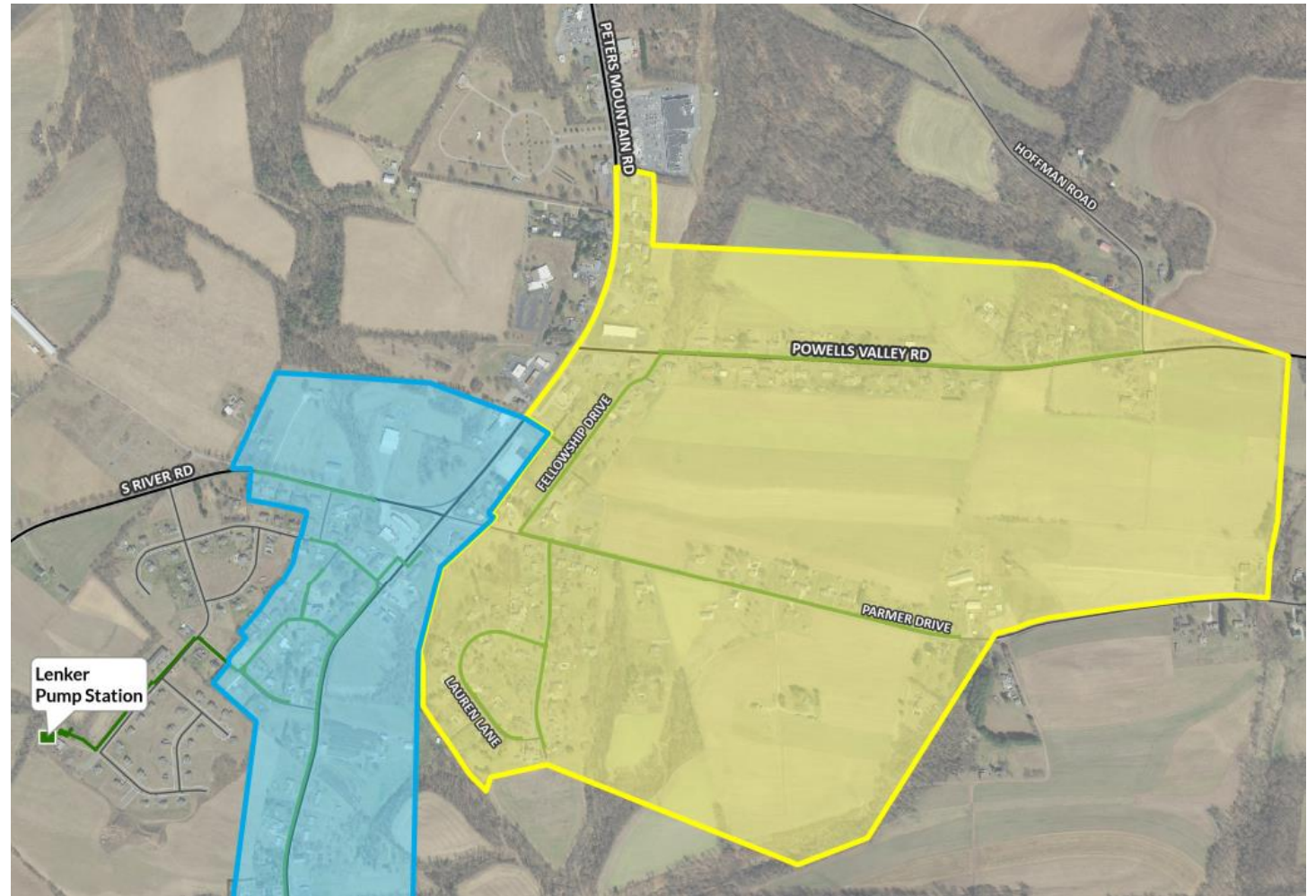
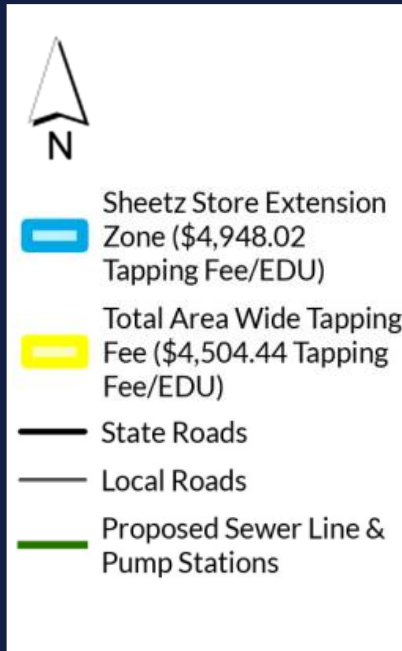
CURRENT AUTHORITY & TOWNSHIP FEES

Fee/Rate	Cost
Tapping Fee	\$4,504.44 or \$4,948.02 per EDU*
Authority Inspection Fee – New Connections	\$100 per Connection
Township SEO OLDS Abandonment Review Fee	\$150 per OLDS closeout
Service Rates: Residential	\$220/EDU per quarter → \$250/EDU
Service Rates: Commercial	\$245/EDU per quarter → \$275/EDU

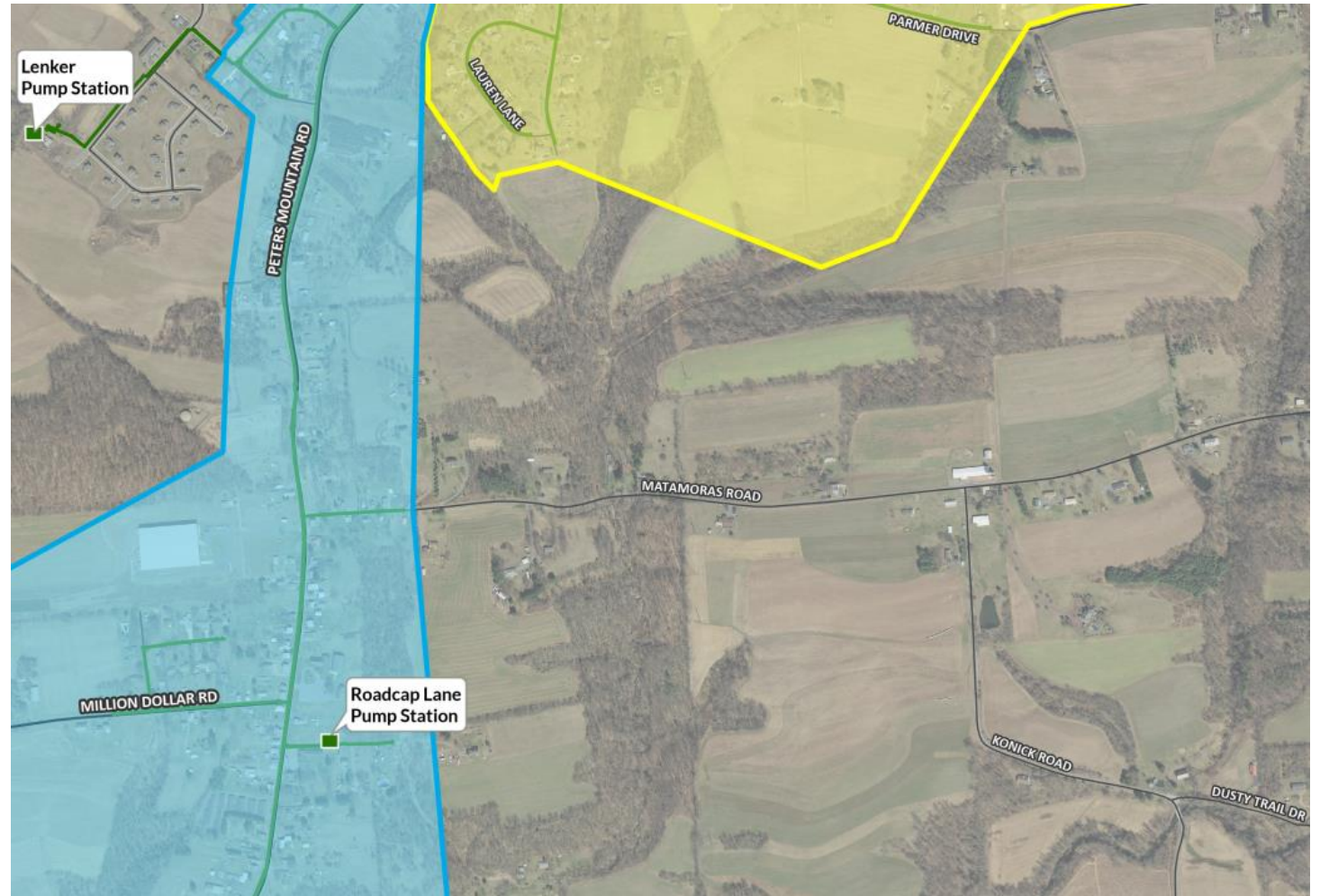
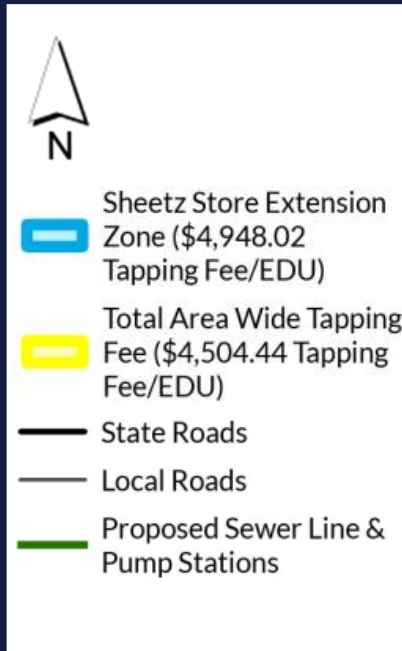
- Additional costs for private property connections not included above:
 - Building sewer connections to capped laterals or to grinder pumps
 - Internal plumbing modifications (if required)
 - Electrical connection to grinder pump system
 - On-Lot Disposal System (OLDS) abandonment
 - Private restoration

*Equivalent Dwelling Unit (EDU), generally estimated at 221 gallons/day. Each individual residence is assumed to be 1 EDU. For connections to the system south of the Sheetz store, the tapping fee is currently \$4,948.02 per EDU.

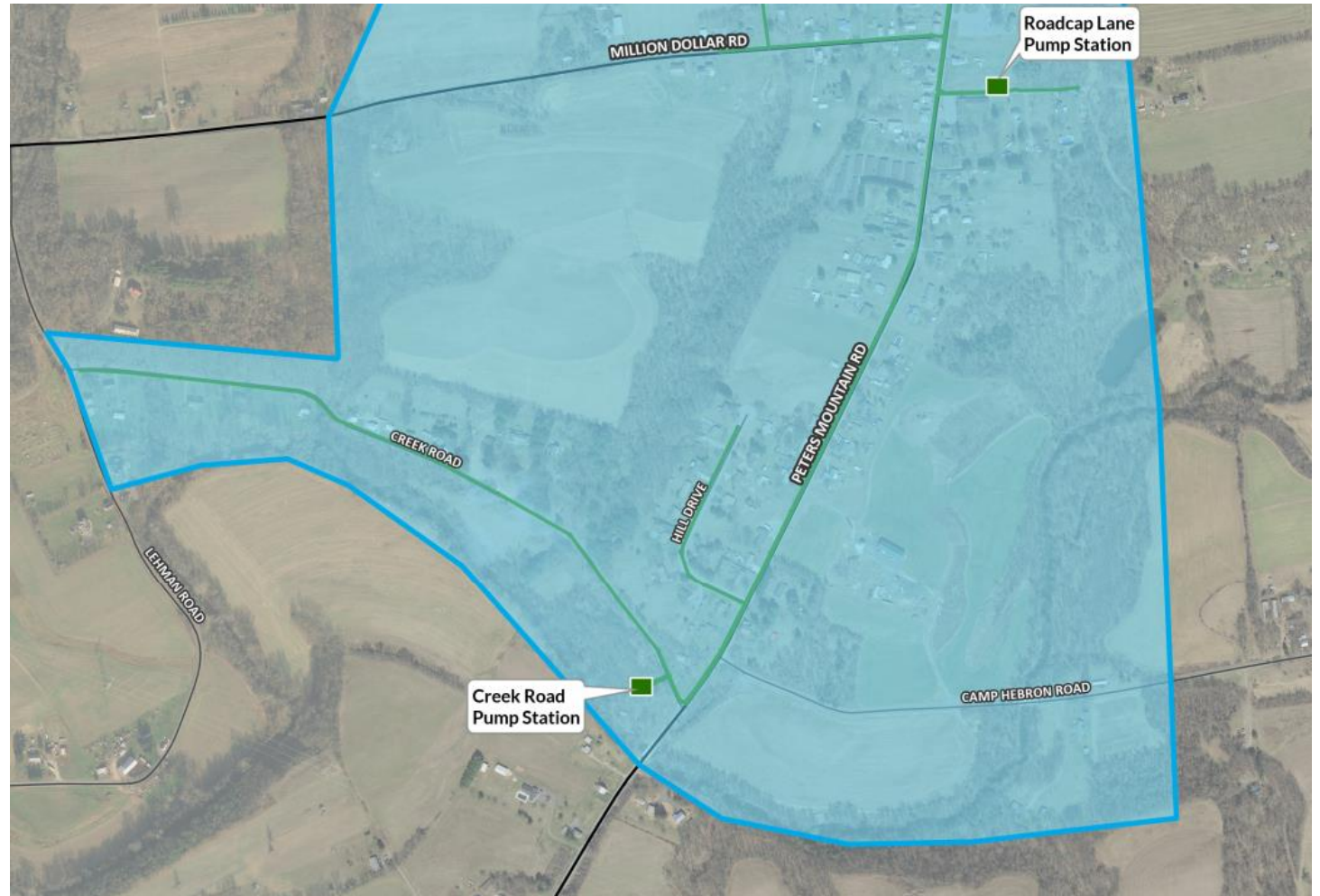
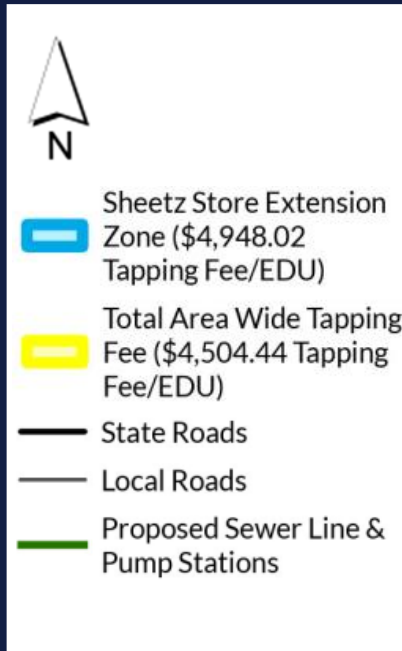
TAPPING FEE ZONES



TAPPING FEE ZONES



TAPPING FEE ZONES



AVAILABLE FUNDING SOURCES

- Residents may be eligible for private funding to pay for costs associated with connection to public sewer
- Potential Programs
 - PENNVEST Homeowner Septic Program
 - United States Department of Agriculture (USDA) Section 504 Home Repair Program
 - Additional alternatives

AVAILABLE FUNDING SOURCES – PENNVEST

- PENNVEST Homeowner Septic Program
 - Eligible Costs: New sewer construction and connection to capped laterals (including grinder pump installation, if required), tapping fees, electrical construction, and OLDS abandonment
 - Max loan of \$25,000 at 1.75% APR for 20 years
 - No income restrictions
 - **It is NOT recommended to apply prior to receipt of Notice to Connect**
 - Premature application can result in having to reapply, resulting in additional costs

Contact for Questions

Roberta Schwalm
(717) 780-3838

Brian Stine (American Bank)
(610) 973-8117



AVAILABLE FUNDING SOURCES – USDA

- United States Department of Agriculture (USDA) Section 504 Home Repair Program
 - Eligible Costs: New sewer construction and connection to capped laterals (including grinder pump installation, if required), tapping fees, electrical construction, and on-lot system abandonment
 - Max grant of \$10,000 for homeowners over 62 years of age
 - Max loan of \$40,000 at 1% APR for 20 years for homeowners under 62 years of age
 - Applicants must meet USDA income limits to be eligible for funding

Contact for Questions

Gary Reed (USDA)

(724) 261-3892

AVAILABLE FUNDING SOURCES – OTHER OPTIONS

- In addition to the previous programs, other funding may be available at banks and credit unions in the form of:
 - Personal loans
 - Mortgage refinancing
 - Home equity loans
- HAWASA has also made a request to Dauphin County regarding additional funding that may be available to offset Homeowner costs

NEXT STEPS & EXPECTATIONS

NEXT STEPS

1. Contact Adam Gruzlewski to complete Lateral Location Form if you have not already
2. Evaluate funding options for upcoming Owner costs
 - If intending to apply for PENNVEST or USDA programs begin getting ownership and financial documents for application
3. Contractor will contact grinder pump properties a minimum of 3-days prior to start of work for grinder pump installation
4. When you receive a Notice to Connect, begin looking for a qualified contractor to complete the connection to public sewer
 - Contractor List available on Project Website
5. Township Sewage Enforcement Officer (SEO) must review Owner's OLDS system

EXPECTATIONS

- As Work begins, there will be several things Owners should expect and keep an eye out for:
 - Notices from HRG's RPR regarding house visits
 - Notification from the Contractor of work anticipated in your vicinity in the following days/weeks
 - Notifications and signage of road closures and detours on Peter's Mountain Road and adjacent streets

FUTURE COORDINATION

- Future public meetings will be scheduled by the Authority to provide project updates and opportunities for community questions and concerns
- Owners shall be notified via mail of upcoming meetings dates and locations
- All public meetings slide decks, Contractor schedule updates, and reference documents will be made available on the Project Website for residents' use

REFERENCE DOCUMENTS

REFERENCE DOCUMENTS AND INFORMATION

- **Project Website:**
 - https://hrg-inc.com/hrg_projects/halifax-township-sewer-extension-project/
- **PENNVEST Homeowner Septic Program:**
 - https://www.phfa.org/forms/brochures/homeownership_programs/pennvest_brochure.pdf
- **United States Department of Agriculture (USDA) Section 504 Home Repair Program:**
 - <https://www.rd.usda.gov/programs-services/single-family-housing-programs/single-family-housing-repair-loans-grants/pa>

QUESTIONS?