



***HALIFAX  
TOWNSHIP***

HALIFAX AREA WATER AND SEWER AUTHORITY

# HALIFAX TOWNSHIP SEWER EXTENSION PROJECT

**PUBLIC MEETINGS NOS. 5 & 6**

# INTRODUCTIONS

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

- Justin Mendinsky, P.E. – Project Manager
- Adam Gruzlewski – Resident Project Representative (RPR)
- Taylor Lebo, E.I.T. – Staff Professional

## **HALIFAX AREA WATER AND SEWER AUTHORITY (HAWASA)**

- Jeffrey Enders – Authority Chairman

## **HALIFAX TOWNSHIP BOARD OF SUPERVISORS**

## **PENNSYLVANIA HOUSING FINANCE AGENCY (PHFA)**

- Roberta Schwalm – Manager of Special Initiatives

# AGENDA

- Project Overview
- Project Schedule
- Authority/Owner Responsibilities
- Lateral Location Selection
- Current Authority Fees
- Available Homeowner Funding Assistance
- Anticipated Dates of Owner Connection
- Next Steps & Expectations
- Questions

# PROJECT OVERVIEW

# HALIFAX TOWNSHIP SEWER EXTENSION PROJECT – PROJECT IMPLEMENTATION

- In accordance with the Township’s Act 537 Plan, the Authority began project design and permitting activities to address areas with failing on-lot disposal systems (OLDS) in Spring 2019
- The Authority applied for and was awarded a \$17,107,000 PENNVEST funding package comprised of \$10.6 MM of grant funding and \$6.5 MM of low-interest loans
- The Project was publicly bid, with bids received in October 2022 below budget with construction expected to begin in July 2023

**EXPECTED CONSTRUCTION COST**

**\$ 13,700,000**

**TOTAL OF LOW BIDS**

**\$ 12,794,988**

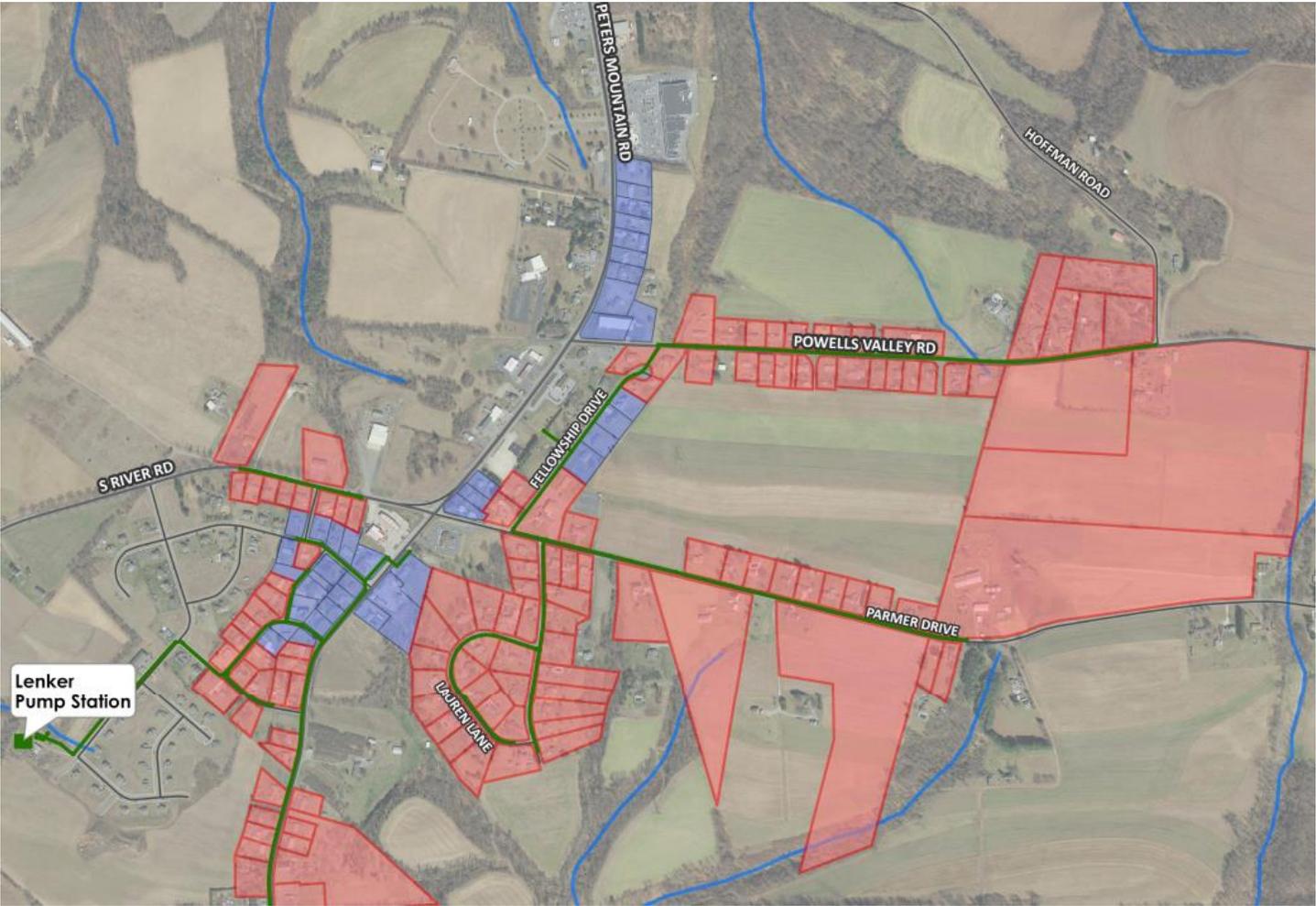
# NEW SEWER FACILITIES INCLUDED IN THE PROJECT

- The proposed sewer extension will provide sanitary sewer service to the Needs Areas via:
  - 17,565 linear feet of Gravity Sanitary Sewer Main
  - 9,525 linear feet of Low-Pressure Sewer Main
  - 7,580 linear feet of Sanitary Sewer Force Main
- Project includes the construction of three (3) pump stations
  - Creek Road Pump Station
  - Road Cap Lane Pump Station
  - Lenker Estates Pump Station (abandonment of existing Lenker Estates Wastewater Treatment Plant)

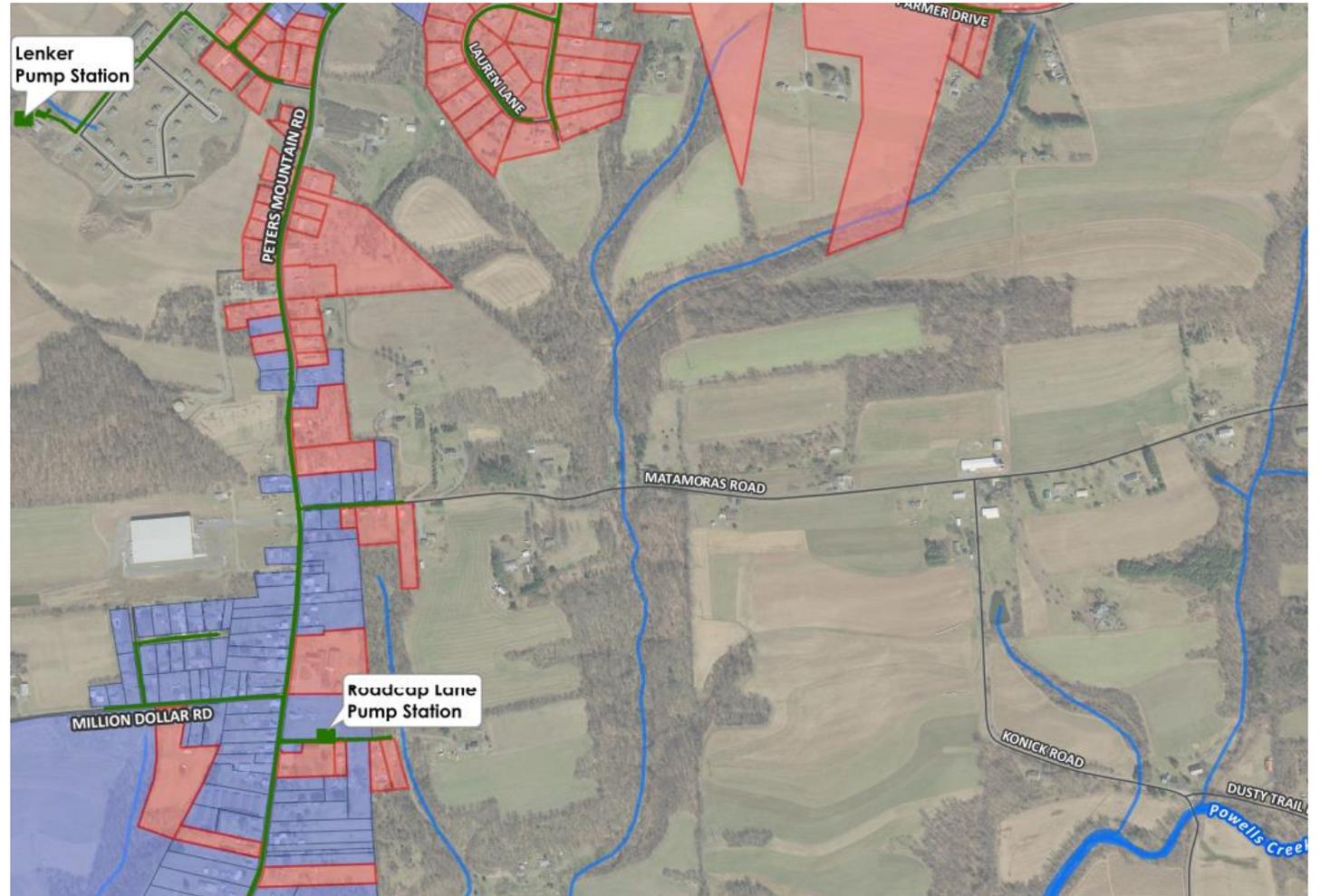
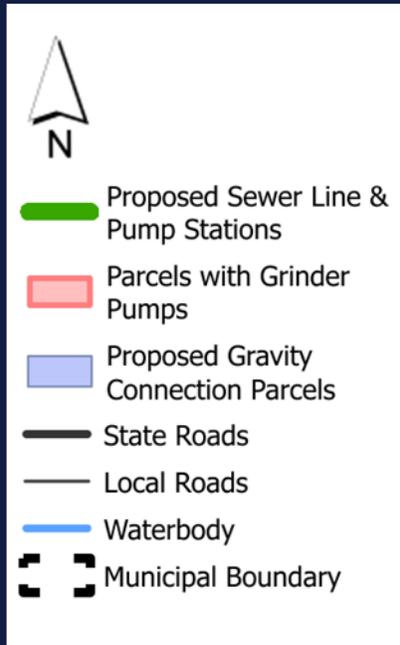
# PROJECT AREA AND OVERVIEW



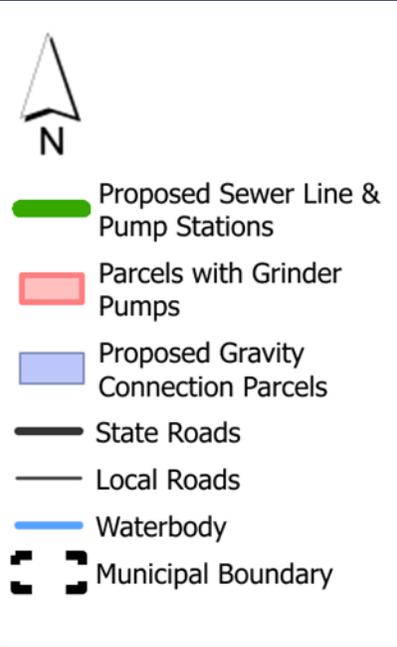
- Proposed Sewer Line & Pump Stations
- Parcels with Grinder Pumps
- Proposed Gravity Connection Parcels
- State Roads
- Local Roads
- Waterbody
- Municipal Boundary



# PROJECT AREA AND OVERVIEW

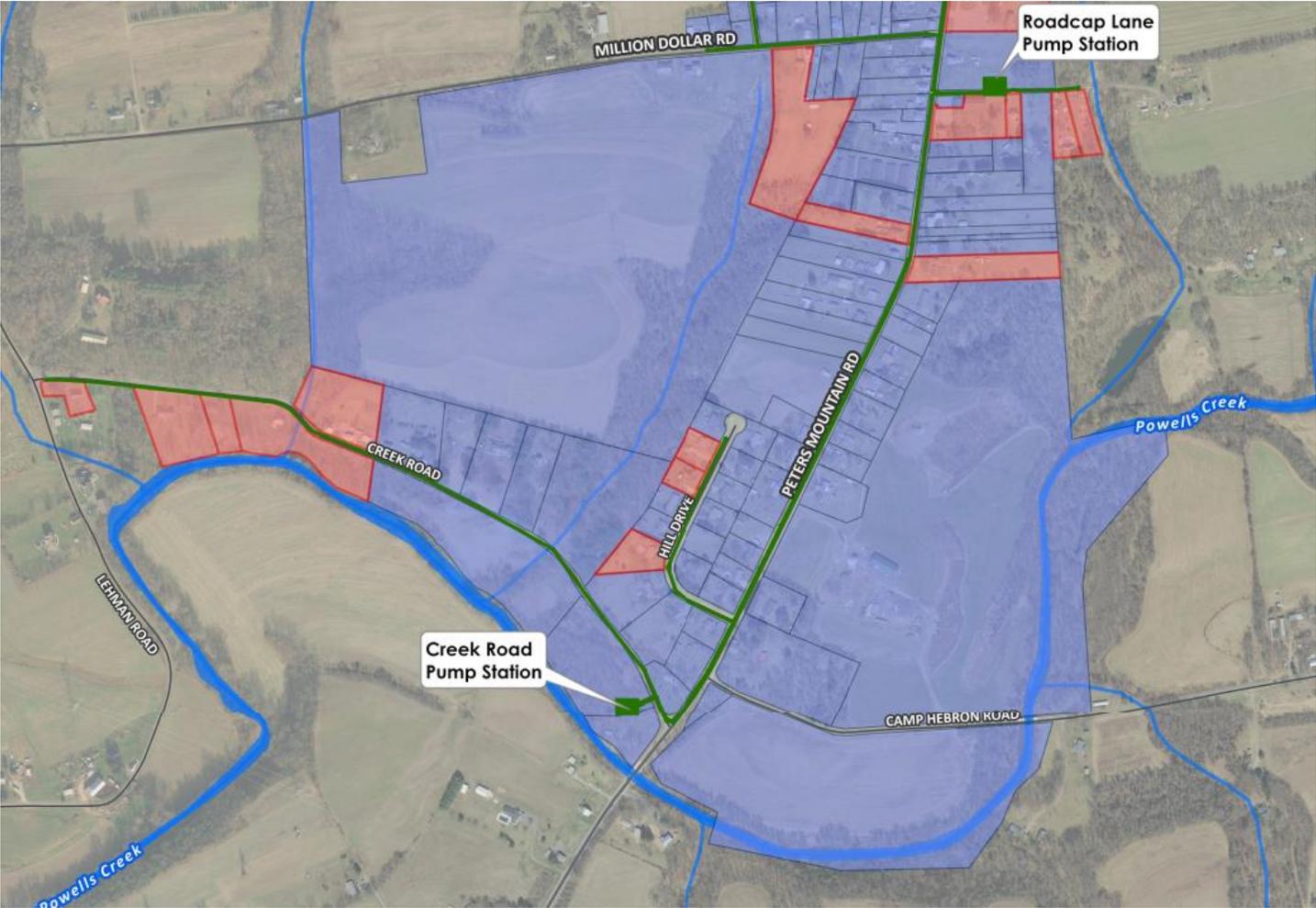


# PROJECT AREA AND OVERVIEW



A legend box with a white background and a black border. It contains a north arrow at the top left. Below it are seven items, each with a colored symbol and a text label: a thick green line for 'Proposed Sewer Line & Pump Stations', a red rectangle for 'Parcels with Grinder Pumps', a light blue rectangle for 'Proposed Gravity Connection Parcels', a thick black line for 'State Roads', a thin black line for 'Local Roads', a blue line for 'Waterbody', and a dashed black line for 'Municipal Boundary'.

- Proposed Sewer Line & Pump Stations
- Parcels with Grinder Pumps
- Proposed Gravity Connection Parcels
- State Roads
- Local Roads
- Waterbody
- Municipal Boundary



# NEW SEWER FACILITIES INCLUDED IN THE PROJECT

- Residential and commercial structures within 150-feet of the roadway Right-of-Way (ROW) MUST connect to the sewer extension
  - Owners will have 180 days from the Notice to Connect from the Authority to connect to public sewer
- Grinder pumps will be provided and installed for specified properties which:
  - Connect to low pressure sewer main or pump station force mains
  - Do not have necessary grade for gravity laterals for 1st floor service
  - For additional information on grinder pump/low-pressure laterals please review the December 7<sup>th</sup> & 13<sup>th</sup> presentation

# PROJECT SCHEDULE

Activity	Date
Low-Pressure Sewer Installation	Aug. 2023 – Feb. 2024
Grinder Pump Installation	Oct. 2023 – Feb. 2024
Gravity Sewer Installation	Nov. 2023 – Mar. 2024
High Pressure Force Main Installation	Nov. 2023 – Feb. 2024
Gravity Sewer Lateral Installation	Sept. 2023 – Apr. 2024
Creek Road PS Construction	Jun. 2023 – Nov. 2023
Lenker Estates PS Construction	Jul. 2023 – Nov. 2023
Road Cap PS Construction	Jul. 2023 – Nov. 2023
Restoration	Summer 2024

# AUTHORITY/OWNER RESPONSIBILITIES

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## 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

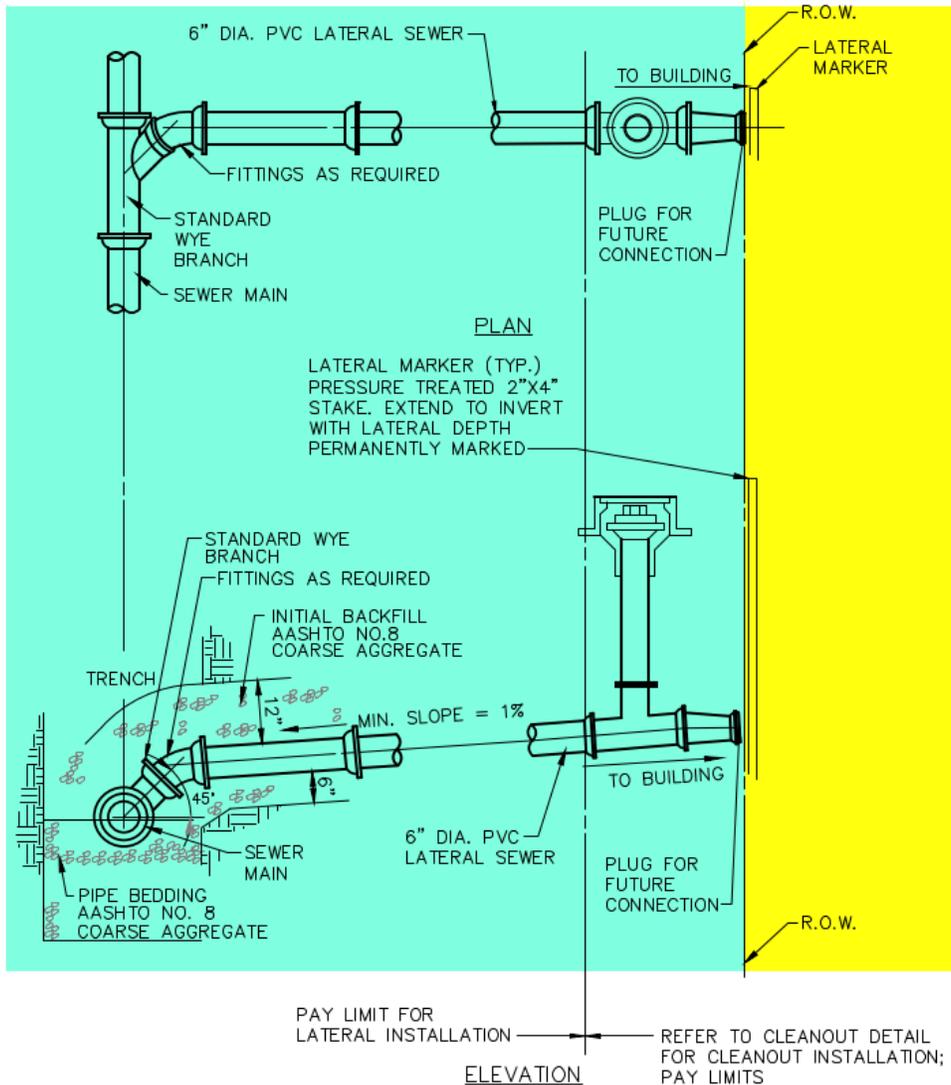
### Authority

- 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

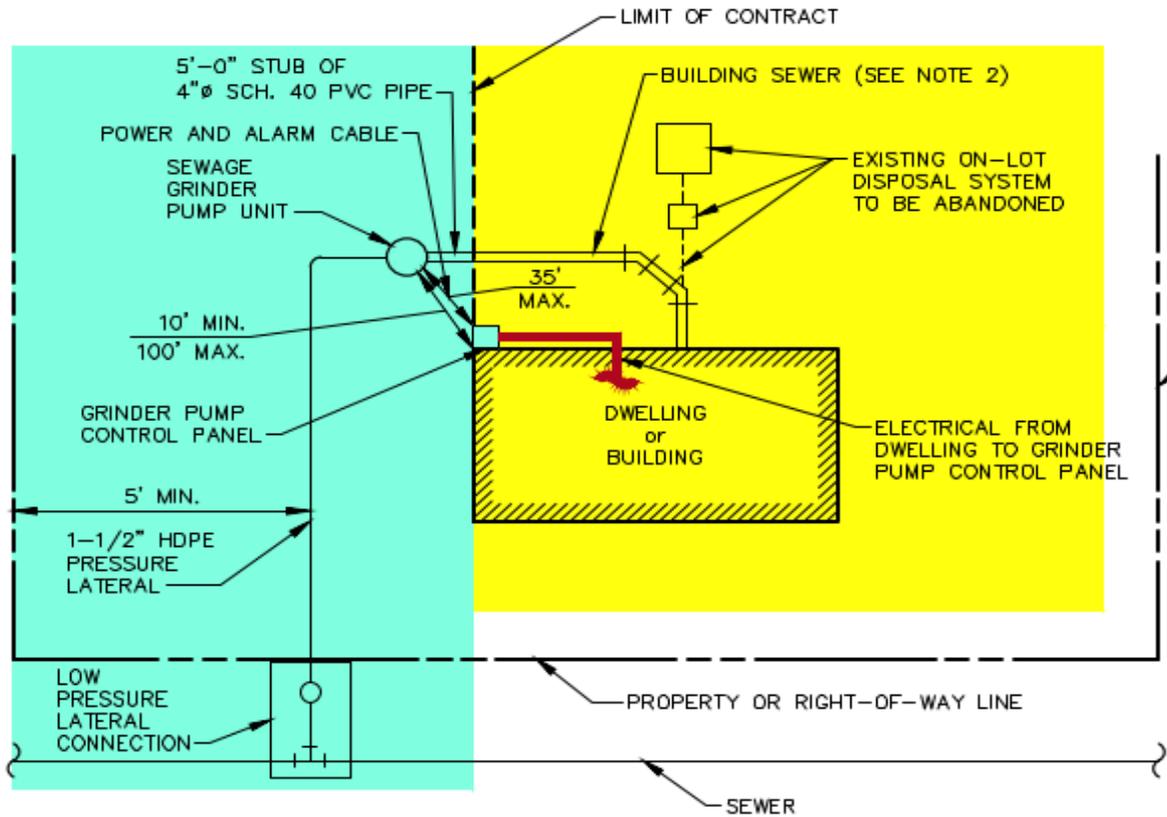


WORK TO BE COMPLETED BY CONTRACTOR

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**

# LATERAL LOCATION SELECTION PROCESS

# LATERAL LOCATION SELECTION PROCESS

- Lateral locations have been identified on Contract Drawings for each lot based on sewer facilities available (gravity or low-pressure), lot layout, and topography
- In accordance with PENNVEST guidelines, the Project has been designed to provide 1<sup>st</sup> floor service
  - Owners with basement facilities may need to install an up-flow toilet or internal grinder pump to meet sewer elevations
- During the construction period, HRG's Resident Project Representative (RPR), Adam Gruzlewski, is meeting with Owners to confirm the location of all laterals/grinder pump systems

# LATERAL LOCATION SELECTION PROCESS

- To identify lateral and/or grinder pump location:
  - HRG's RPR will meet you at your property, identify the original proposed lateral/grinder pump location, and discuss potential utility conflicts
  - Sign Lateral Location Form indicating agreement of lateral/grinder pump location
  - After agreement with the Owner, HRG's RPR will position a stake at the preferred lateral location at the ROW line
  - Meet with your plumber to review existing system configuration and depths and confirm location of lateral is feasible
- Additional coordination with Owners to occur during construction

# **COSTS & AVAILABLE FUNDING SOURCES FOR HOMEOWNERS**

# CURRENT AUTHORITY FEES

Fee/Rate	Cost
Tapping Fee	\$4,504.44 or \$4,948.02 per EDU*
Inspection Fee	\$100
Service Rates: Residential	\$220/EDU per quarter
Service Rates: Commercial	\$245/EDU per quarter

- 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.

# 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

# ANTICIPATED DATES OF OWNER CONNECTION

# ANTICIPATED DATES OF OWNER CONNECTION

- 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

Area	Construction Period		Est. Earliest NTC Date
Parmer Drive	Aug. 2023	Oct. 2023	Nov. 2023
Galli Road	Aug. 2023	Oct. 2023	Nov. 2023
Lauren Lane	Aug. 2023	Nov. 2023	Dec. 2023
Fellowship Drive	Sept. 2023	Nov. 2023	Dec. 2023
South River Road	Sept. 2023	Nov. 2023	Dec. 2023
Powell's Valley Road	Sept. 2023	Dec. 2023	Jan. 2024
Oak Avenue	Nov. 2023	Dec. 2023	Jan. 2024
Maple Avenue	Nov. 2023	Dec. 2023	Jan. 2024
Sycamore Avenue	Nov. 2023	Dec. 2023	Jan. 2024
Dustin Drive	Dec. 2023	Dec. 2023	Jan. 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

Area	Construction Period		Est. Earliest NTC Date
Peter's Mountain Road (Million Dollar Road to Oak Avenue)	Nov. 2023	Dec. 2023	Jan. 2024
Peter's Mountain Road (Creek Road to Million Dollar Road)	Dec. 2023	Feb. 2024	Mar. 2024
Creek Road	Jan. 2024	Feb. 2024	Mar. 2024
Road Cap Lane	Feb. 2024	Feb. 2024	Mar. 2024
Hill Road	Jan. 2024	Mar. 2024	Apr. 2024
Matamoras Road	Jan. 2024	Mar. 2024	Apr. 2024
Million Dollar Road	Jan. 2024	Apr. 2024	May 2024
Clover Lane	Jan. 2024	Apr. 2024	May 2024
Williams Street	Jan. 2024	Apr. 2024	May 2024

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

# NEXT STEPS & EXPECTATIONS

# NEXT STEPS

1. Visit from HRG's RPR, Adam, as he contacts you to determine lateral locations for your property
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 you a minimum of 3-days prior to start of Work
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 system prior to private backfill and restoration

# 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 shall 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/](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](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