

West Hanover Township Water &
Sewer Authority
Holiday Park Sanitary Sewer Project
Public Meeting

November 15, 2018

Introductions

- Mark Salisbury, Authority Manager
- Dan Rosario, Township Manager
- Justin Mendinsky, P.E., Design Engineer, HRG Inc.
- Matt Cichy, P.E., Design Engineer, HRG Inc.

Thanks to Don Holmes, Township Park & Rec Director, for use of the Rec Center for this meeting.

Background

- Act 537 of 1966 (PA Sewage Facilities Act) requires cities, townships, and boroughs to prepare Official Plans for managing wastewater needs of the municipality.
- Official Plans contain information related to the wastewater needs of existing and future development in the municipality.
- Existing developments in which the current wastewater disposal methods are inadequate, such as those with malfunctioning on-lot septic systems or those where the soils are unsuitable for on-lot disposal are identified as “Needs Areas”. The Official Plan must contain provisions to address the inadequacies of the Needs Areas.

Background, cont.

- The Township's 2006 Act 537 Official Plan identified Houck Manor and Holiday Park as Needs Areas due to a history of on-lot disposal system malfunctions, contaminated water supplies, and poor soils for on-lot disposal and consequently required the developments to be connected to the public sanitary sewer system.
- Township instructed Authority to extend the public sewer system to both Houck Manor and Holiday Park.
- The original schedule in the Official Plan called for construction of extensions to the Authority Sanitary Sewer System by 2016. This date was extended to December 31, 2021.

Background, cont.

- The Township's SEO conducted a desktop analysis in 2018 and determined that the existing lots do not have enough space available for a replacement on-lot septic system.
- Public sewer service is the long term solution for sewage disposal needs.
- Township ordinance requires any property whose principal building is within 150 feet of public sewer to connect to it.

General Description of Project

- Authority evaluated three alternatives for providing sanitary sewer service to Holiday Park: a gravity sewer system with a pump station to Winslett, a gravity sewer system with connection down to Houck Manor, and a low pressure system with connection to Winslett.
- Because of the topography of the area, a gravity sewer system with a pump station to connect to the Winslett development was determined to be the better alternative. Generally the sewer mains are located in the streets which minimizes the easements required through private property.
- In a gravity system, each residence has a lateral which conveys wastewater from the home to the sewer main.

Authority Responsibilities

- Authority will construct the main lines in the streets and that portion of the lateral between the main and the property/right-of-way line.
- Authority will operate and maintain the main line in the streets.
- Sewer system is designed to provide first floor service per the Authority's standards.

Homeowner Responsibilities

- Homeowner will install that portion of the lateral from the property/right-of-way to the house.
- Homeowner will be responsible for maintaining the entire lateral from the house to the main.
- Homeowner will be responsible for abandoning the existing septic tank or tanks.

Homeowner Responsibilities

- Existing septic tank(s) tanks to be abandoned in accordance with Township requirements.
 - Pump out and flush tank(s) by pumper/hauler.
 - Either physical remove the tank(s) or fill with soil and/or stone.

Authority Connection and Tapping Fees

- Capacity Component Tapping Fee: \$4,030.00
- Customer Facility Fee (Inspection): \$175.00
- Collection Component Tapping Fee: \$180.00
- Total Authority Fees: \$4,385.00

Note: These fees are in addition to the cost to install the portion of the lateral between the house and the property/right-of-way line.

State and Local Funding Alternatives

- Pennvest Homeowner low interest loan program
 - Low interest loans at 1.75%
 - 20 year term
 - Handout available with additional information
- Authority tapping fee payment plan
 - 6% interest
 - 20 month term

State and Local Funding Alternatives

- Dauphin County DCEC programs
 - Programs include CDBG grants, HOME partnership, and Gaming funds
 - Competitive programs based on documented income needs through income surveys
 - Programs require group participation
 - Programs administered through Dauphin County

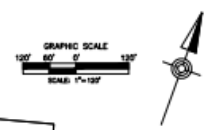
Project Schedule

- Advertise for Bidding: January 2019
- Award Contract: February 2019
- Construction Period: March thru Nov. 2020
- Lateral location meetings: Feb. thru March 2019
- Homeowner Installation: Dec. 2019 thru Jan. 2020

A letter will be sent notifying the homeowner when to connect. Homeowners will have 60 days to connect after notification. *Note the Authority may extend the permitted connection period due to weather conditions.



DRAWING LIST		
SHEET NO.	DWG. NO.	DRAWING DESCRIPTION
1	00	COVER SHEET
2	01	NOTES, LEGEND AND ABBREVIATIONS, AND UTILITY LIST
3	02	SANITARY SEWER SHEET INDEX MAP AND DRAWING LIST
4	03	MISCELLANEOUS CONSTRUCTION DETAILS
5	04	MISCELLANEOUS CONSTRUCTION DETAILS
6	05	MISCELLANEOUS CONSTRUCTION DETAILS
7	06	EROSION AND SEDIMENT CONTROL DETAILS
8	07	EROSION AND SEDIMENT CONTROL DETAILS
9	08	SANITARY SEWER PLAN & PROFILE
10	09	SANITARY SEWER PLAN & PROFILE
11	10	SANITARY SEWER PLAN & PROFILE
12	11	SANITARY SEWER PLAN & PROFILE
13	12	SANITARY SEWER PLAN & PROFILE
14	13	SANITARY SEWER PLAN & PROFILE
15	14	SANITARY SEWER FORCE MAIN PLAN & PROFILE
16	15	SANITARY SEWER FORCE MAIN PLAN & PROFILE
17	16	PUMP STATION SITE PLAN
18	17	PUMP STATION PLAN AND SECTIONS
19	18	PUMP STATION CHEMICAL FEED SCHEMATIC



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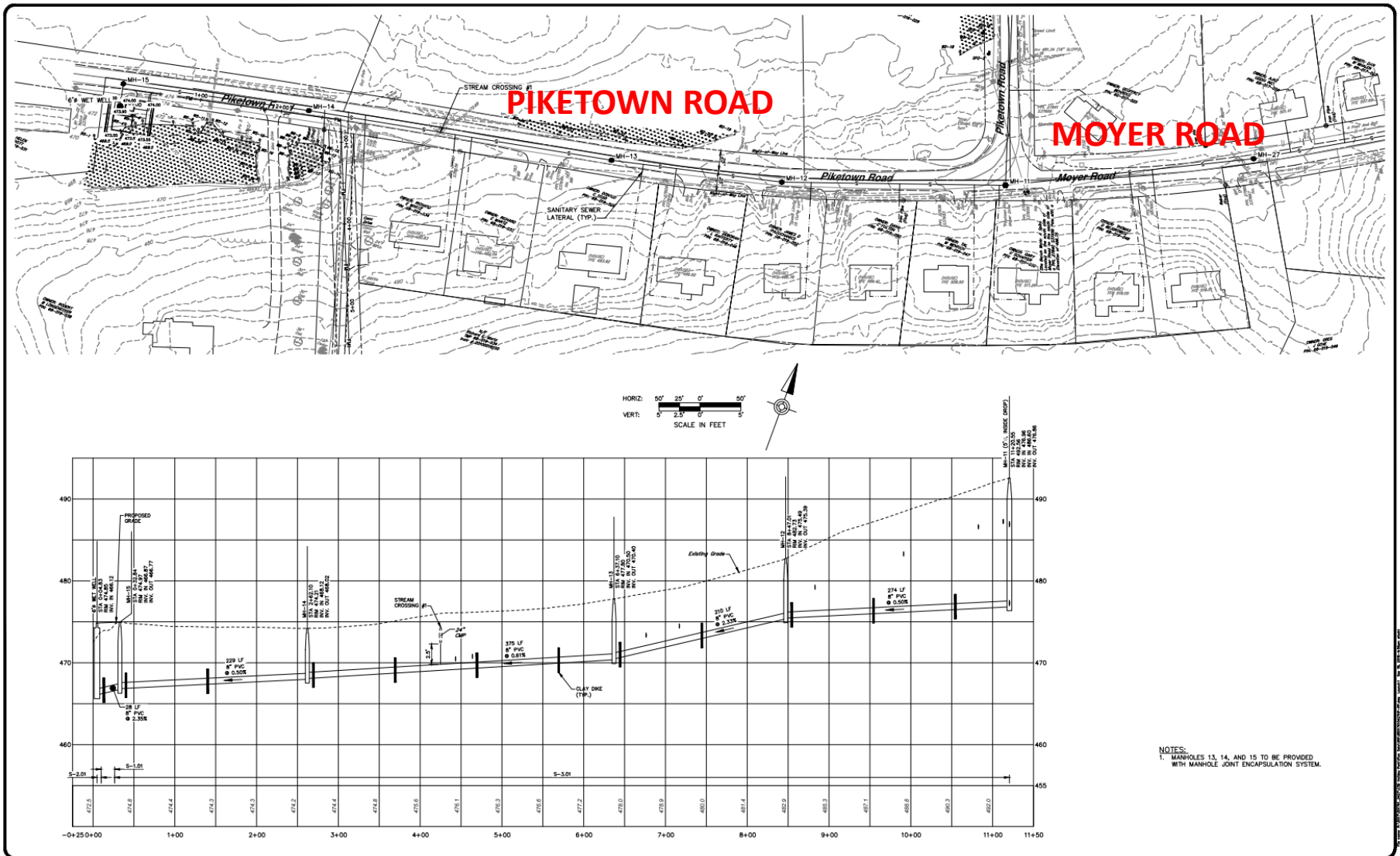


WEST HANOVER TOWNSHIP
 WATER & SEWER AUTHORITY
 7901 JONESTOWN ROAD
 HARRISBURG, PA 17112
 (717) 540-0124

SANITARY SEWER
 SHEET INDEX MAP
 FOR
 HOLIDAY PARK SEWER EXTENSION
 WEST HANOVER TOWNSHIP DAUPHIN COUNTY PENNSYLVANIA

PROJ. MGR. - JAM
 DESIGN - MDC
 CADD - RSF
 CHECKED - JAM
 SCALE - AS NOTED
 DATE - SEPT. 2018

DRAWING NO.
IN
 SHEET NO.
 3 OF 19
 PROJECT 001761.0427



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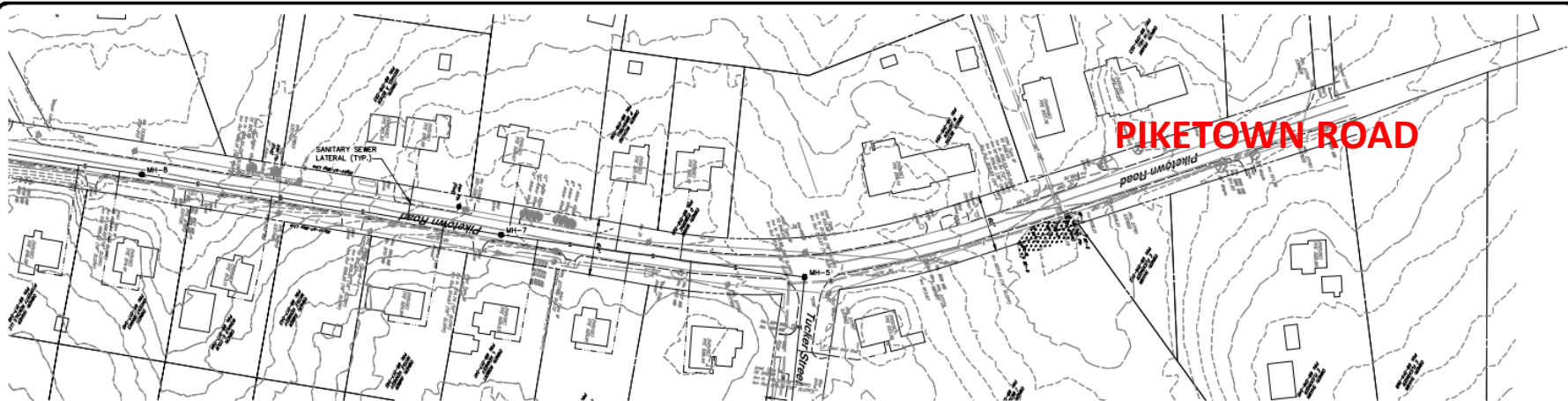


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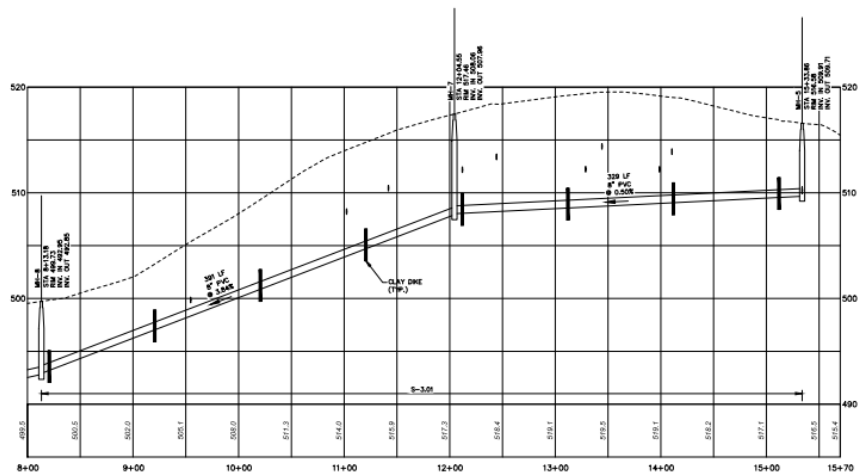
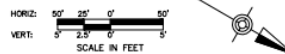
SANITARY SEWER
 PLAN AND PROFILE
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DRAWING NO.
PP-1
 SHEET NO.
9 OF 19
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TUCKER STREET



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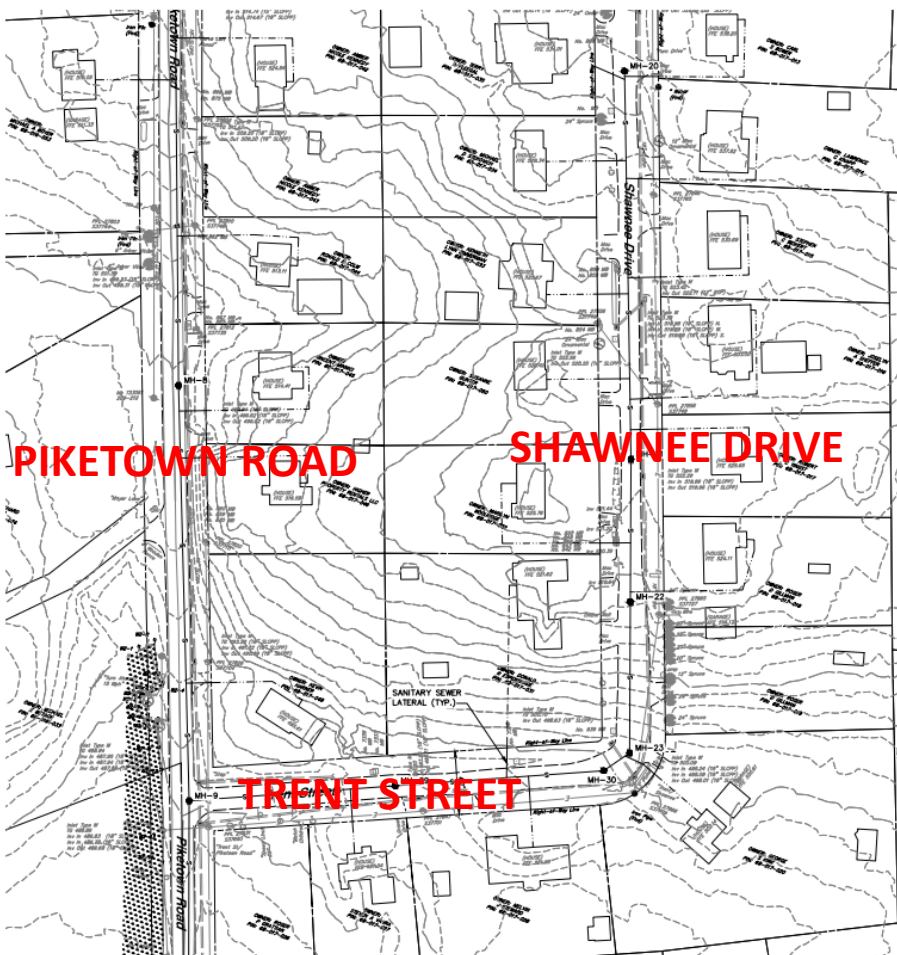
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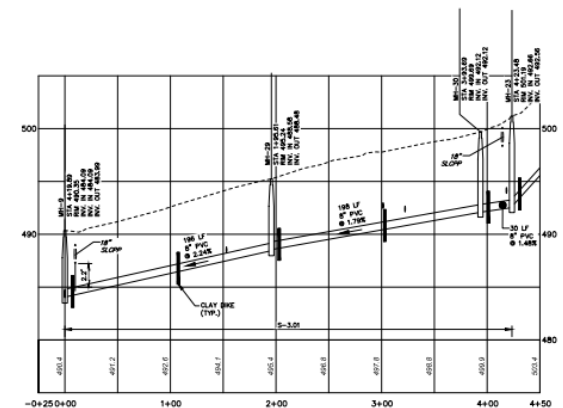
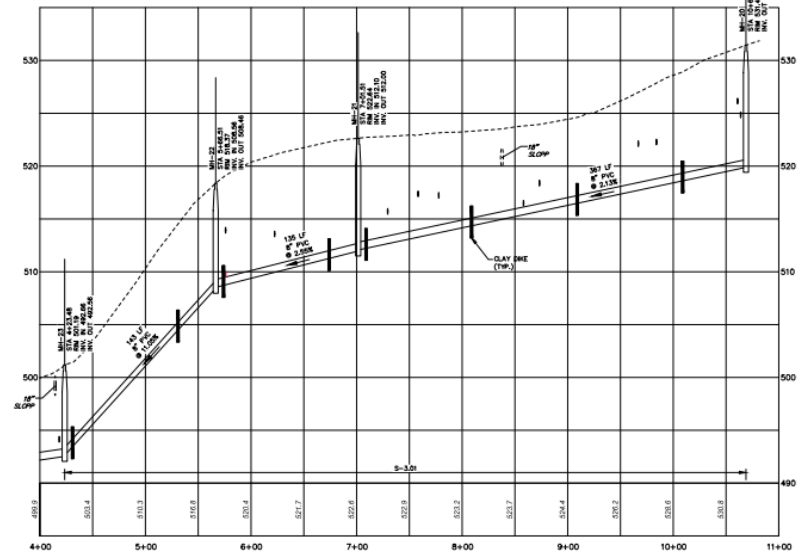
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HORIZ: 50' 25' 0' 50'
 VERT: 5' 2.5' 0' 5'
 SCALE IN FEET



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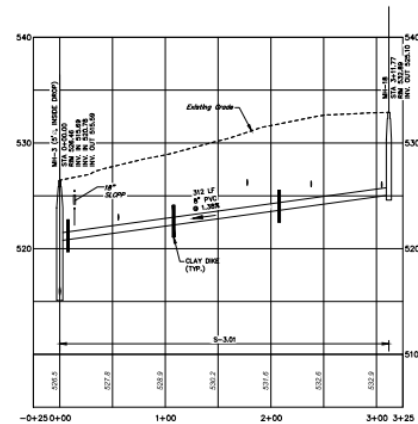
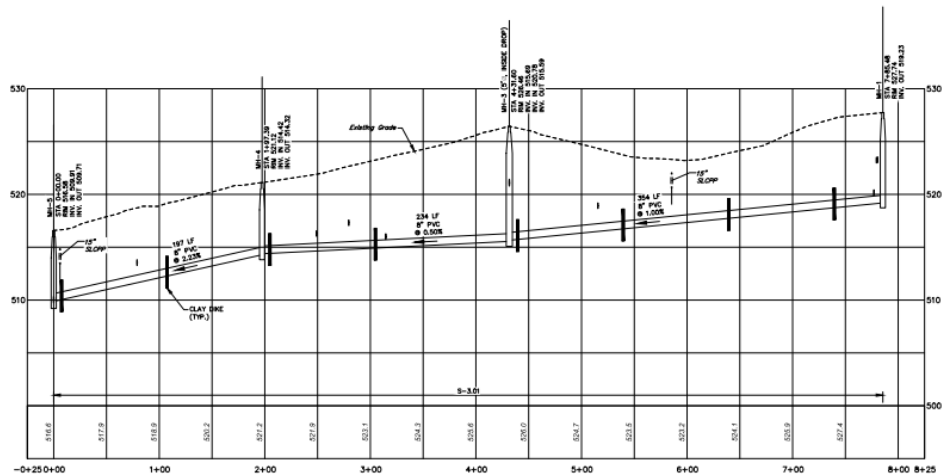
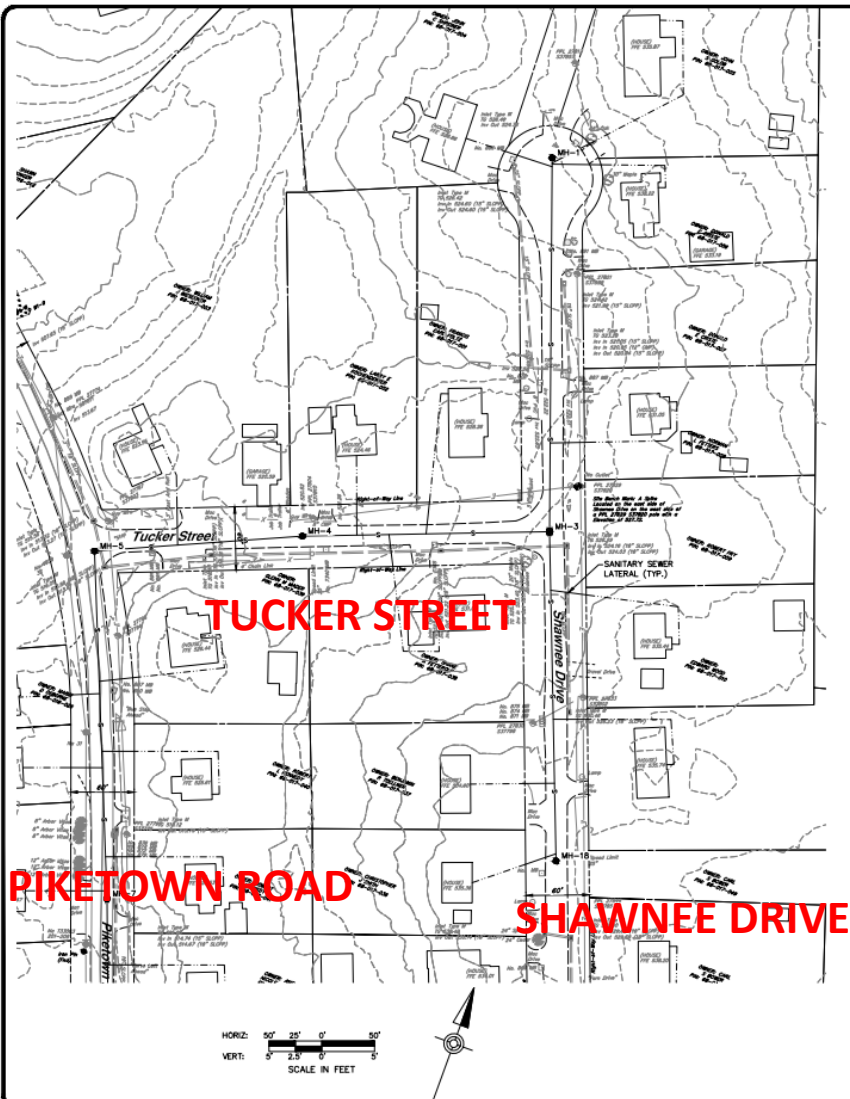
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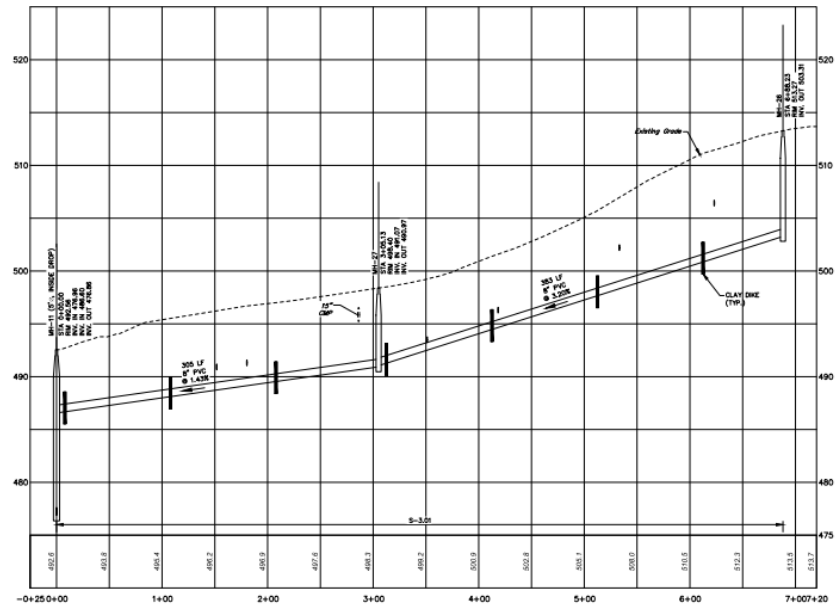
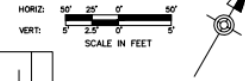
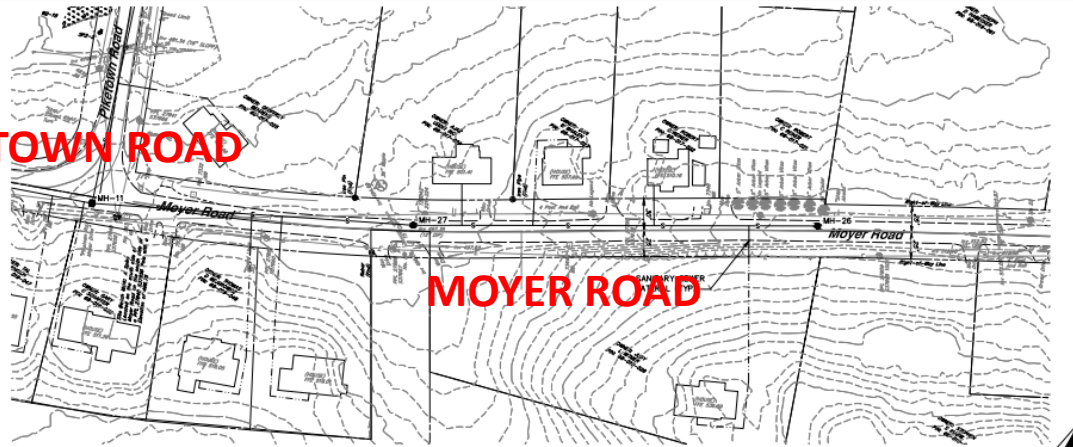
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PIKETOWN ROAD

MOYER ROAD



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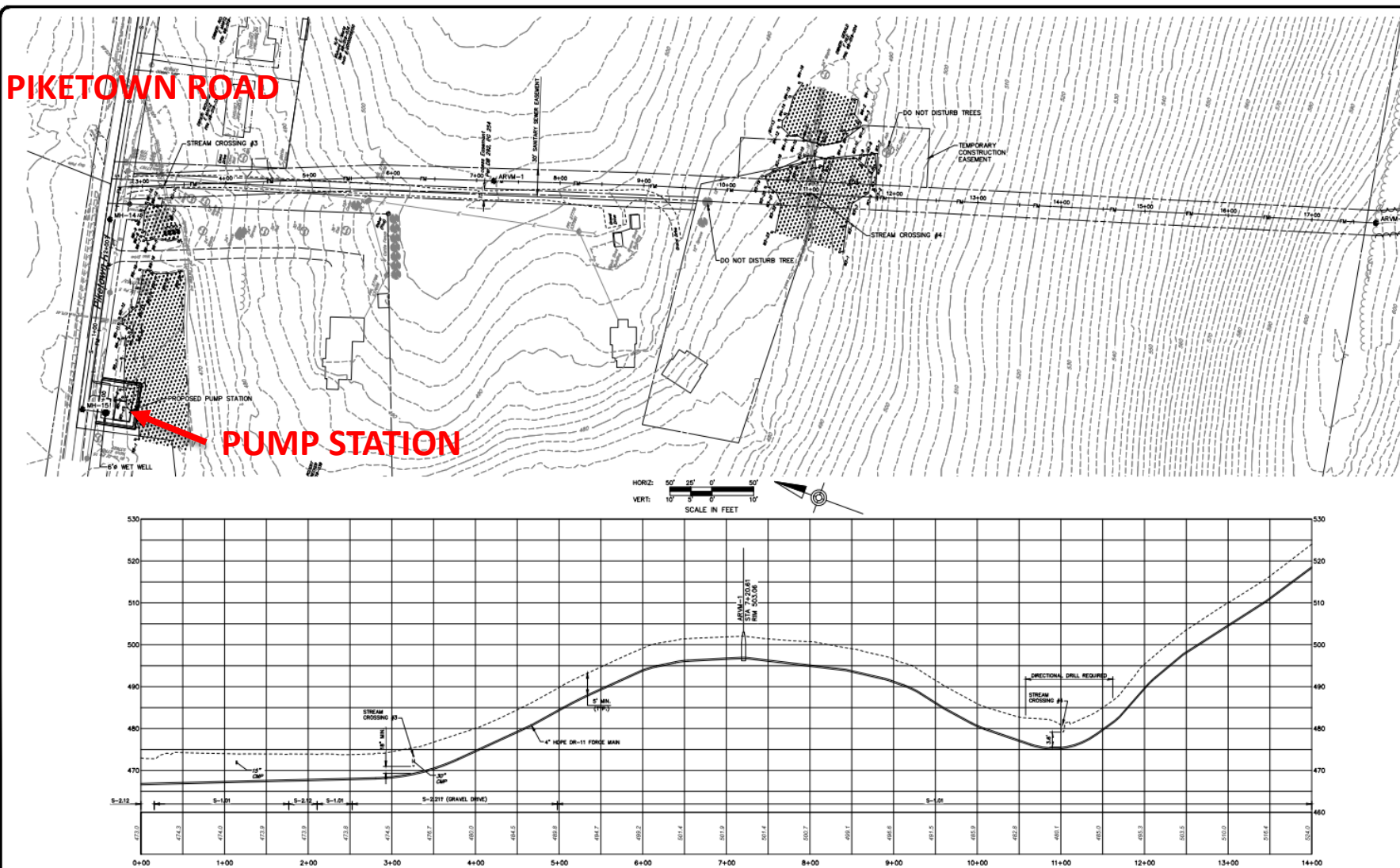
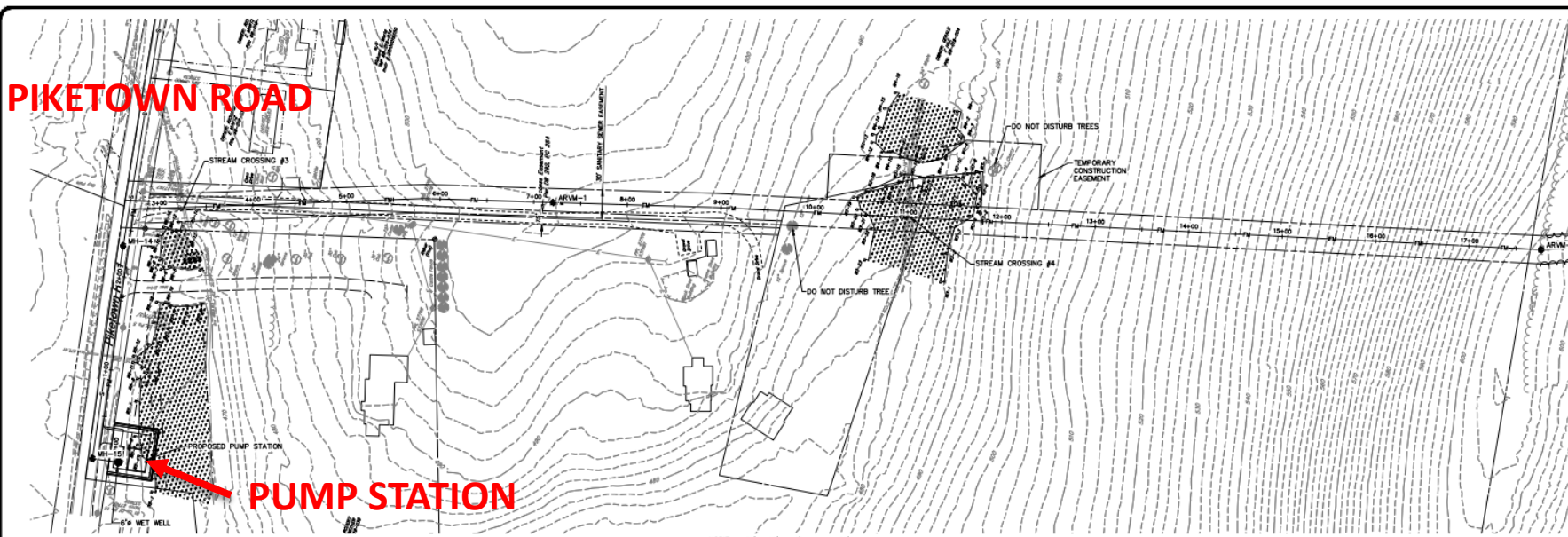
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A topographic map of the project area. The map shows Piketown Road running horizontally across the upper portion. Below the road, a stream flows from left to right. Two stream crossings are marked: 'STREAM CROSSING #3' on the left and 'STREAM CROSSING #4' on the right. A 'PROPOSED PUMP STATION' is located on the left side of the stream, indicated by a red arrow and the text 'PUMP STATION' in large red letters. The map includes contour lines, property boundaries, and various labels such as 'PIKETOWN ROAD', 'STREAM CROSSING #3', 'STREAM CROSSING #4', 'PROPOSED PUMP STATION', 'DO NOT DISTURB TREE', and 'TEMPORARY CONSTRUCTION EASEMENT'. A scale bar is visible at the bottom right.

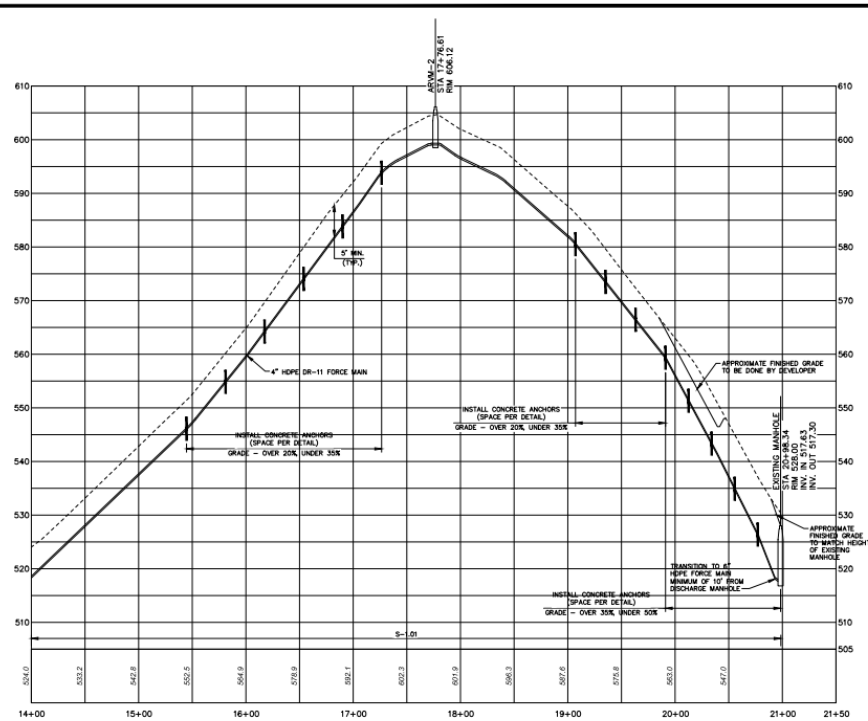
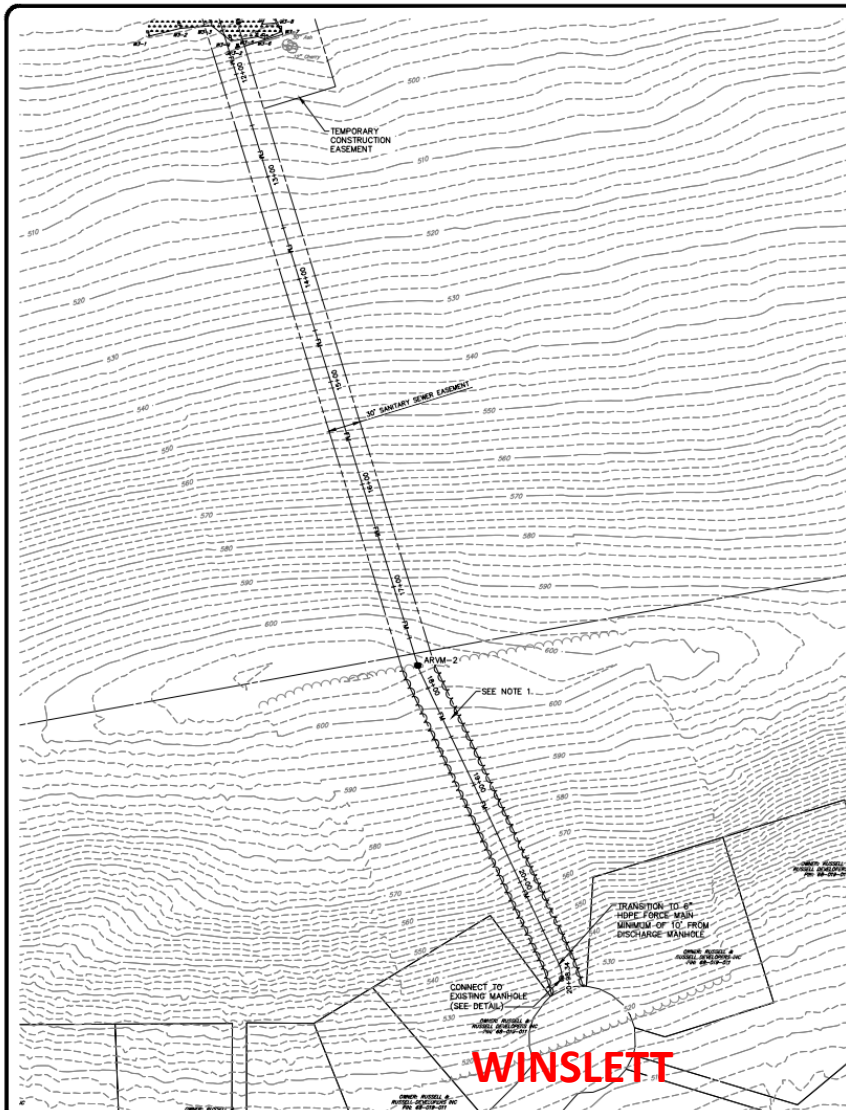


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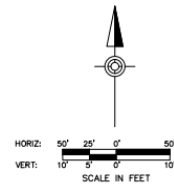
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NOTES:
1. CLEAR AND GRUB WITHIN THE ENTIRE 30' PERMANENT EASEMENT.



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HRG
Engineering & Survey Services
AN IMPROVED CH2M HILL COMPANY

200 Bank Park Drive
Harrisburg, PA 17112
717.650.2320
hrghq@hrgh.com

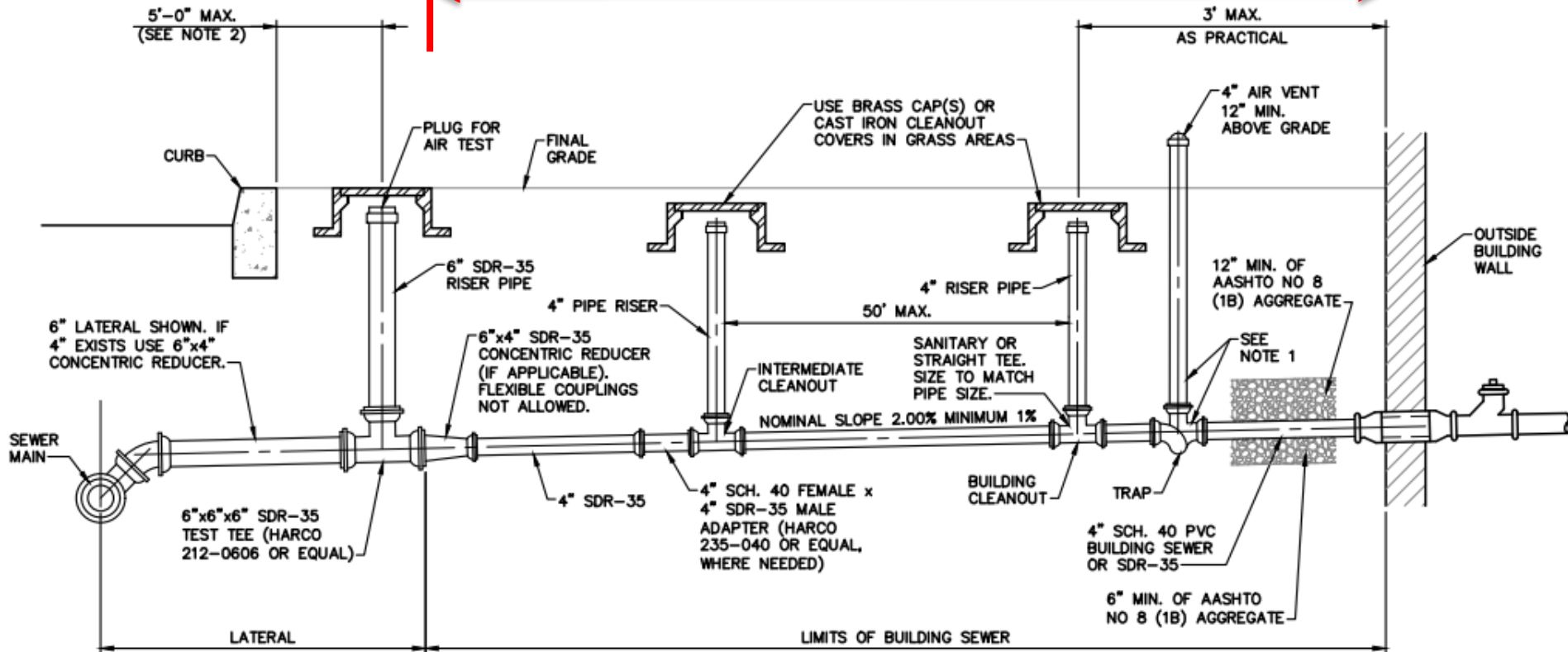
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FORCE MAIN PLAN AND PROFILE
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DRAWING NO.
PP-8
SHEET NO.
16 OF 19
PROJECT 001761.0427

BY HOME OWNER



NEW CONSTRUCTION AND REPAIR OF BUILDING SEWER AND LATERAL

NOT TO SCALE

NOTE:

1. PIPE MUST BE PLACED IN A 6" BEDDING OF AASHTO NO. 8 (1B) AGGREGATE, AND ALSO HAVE A 12" COVERING OF AASHTO NO. 8 (1B) AGGREGATE. AIR TEST MUST HOLD 4 P.S.I. FOR 5 MINUTES.
2. TRAP AND ACCOMPANYING AIR VENT NOT REQUIRED IF ALL PLUMBING FACILITIES WITHIN THE BUILDING ARE PROPERLY TRAPPED AND VENTED.
3. LOCATE TEST TEE 5' (MAX.) FROM CURB, OR CONNECTION POINT IF KNOWN.
4. CLEANOUT/TEST TEES SPACING IS 50' MAXIMUM. BUILDING SEWER LENGTHS MAY WARRANT MORE THAN (2) TEES PER BUILDING SEWER.

Lateral Location Selection Process

- Meet with your plumber to determine the preferred point of connection of your lateral to the Authority main.
- Call Authority Office at (717) 540-0124 during February and March 2019 to schedule a time to meet with an Authority Representative to confirm the preferred location.
- Position a stake near the property/right-of-way line at the preferred lateral location.

Questions?