
EXHIBIT P6

EAST WHITELAND TOWNSHIP – ACT 537 PLAN DOCUMENTS
(PLANNING MODULES)

SENT VIA ELECTRONIC MAIL ONLY

February 26, 2021

Mr. John Nagel, Manager
East Whiteland Township
209 Conestoga Road
Frazer, PA 19355-1699

Re: Approval Letter – Minor Act 537 Plan Update
Planebrook Road Area Sewer Extension
Component 3m
Status: ISSUED
APS No. 38912, Site ID No. 518980
East Whiteland Township
Chester County

Dear Mr. Nagel:

We have completed our review of your municipality's Minor Act 537 Update Revision for Planebrook Road Area Sewer Extension Component 3m for East Whiteland Township ("Township"), Chester County, as prepared by ARRO Consulting, Inc. The plan was received by the Department of Environmental Protection ("DEP") on July 30, 2020. Additional information in support of this plan was received by DEP on October 19, 2020 and January 25, 2021. This plan is being submitted to the Department in accordance with the provisions set forth by Section 5 of the Pennsylvania Sewage Facilities Act and Chapter 71, the Administration of Sewage Facilities Program. The review was conducted in accordance with the provisions of the Pennsylvania Sewage Facilities Act.

Approval of the plan is hereby granted.

The plan provides for a connection of 84 residential and commercial properties along Planebrook Road, Prospect Avenue, Golfview Circle, Bracken Avenue, Davis Avenue, Elk Avenue and Fairview Drive. Elk Drive and Fairview Drive will connect via low-pressure force mains. Gravity sewer mains will be extended along the remaining roads. The proposed collection system will connect to an existing manhole in Planebrook Road that is tributary to the new Planebrook Regional Pump Station.

This project will be connected to the Township's collection system and will generate 29,425 gallons of sewage per day to be treated at the Valley Forge Sewer Authority Wastewater Treatment Facility.

The proposed collection system will be owned by the Township and will serve the Planebrook Road service area as described above. Properties that will connect to the proposed low-pressure sewers within Elk Drive and Fairview Drive will connect via grinder pumps and force main laterals which will be owned by the respective property owners.

The approved project will require a Water Quality Management (Part II) permit for the construction and operation of the proposed common force mains. The permit application must be submitted in the name of the Township. Issuance of a Part II permit will be based upon a technical evaluation of the permit

application and supporting documentation. Starting construction prior to obtaining a permit is a violation of the Clean Streams Law.

This plan approval does not include approval of the system design for the proposed conveyance system. The system design will be evaluated and approved as part of the Water Quality Management (Part II) permit application review.

The permitting and construction of the proposed collection system shall be completed consistent with the implementation schedule received by DEP on October 19, 2020.

This approval is specifically made contingent upon the applicant acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance, and replacement of all sewerage structures associated with the approved discharge in, along, or across private property, with full rights of ingress, egress and regress.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board
Rachel Carson State Office Building, Second Floor
400 Market Street
P.O. Box 8457
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at <http://ehb.courtapps.com> or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.

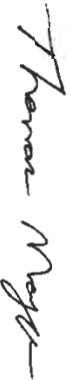
Mr. John Nagel, Manager

- 3 -

February 26, 2021

If you have any questions, please contact Ms. Kelly Boettlin of this office at 484.250.5184 or at kboettlin@pa.gov.

Sincerely,



Mr. Thomas Magge
Regional Manager
Clean Water

cc: Mr. Skiljo - Chester County Health Department (via email)
Ms. Conwell - Chester County Planning Commission (via email)
Mr. Strohmaier - Chester County Conservation District (via email)
Mr. Stoltz - Valley Forge Sewer Authority (via email)
Mr. Bubel - Aqua America (via email)
Mr. Burgo - Tredyffrin Township (via email)
Mr. Bohner - ARRO Consulting, Inc.
Mr. Neild - East Whiteland Township (via email)
RCSOB, 11th Floor, Sewage Facilities, Attn.: Janice Vollero (via email)
Planning Section
Re



EAST WHITELAND TOWNSHIP

THE HEART OF GREAT VALLEY

209 Conestoga Road
Frazer, Pennsylvania 19355-1699
Telephone: 610-648-0600
www.eastwhiteland.org

Board of Supervisors: Susan Drummond • Scott Lambert • Richard Orlow **Township Manager:** John Nagel

January 25, 2021

Kelly Boettlin
Sewage Planning Specialist 2
Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: East Whiteland Township Act 537 Component 3m
Response to November 19, 2020 Review Comments.
Planebrook Road Area Sanitary Sewer Extension.
ARRO# 10310.36

Dear Ms. Boettlin:

We would like to take this opportunity to provide you with the requested information and responses to your review comments for the above referenced Act 537 Component 3m for the proposed Planebrook Road public sewer extension. We are submitting one (1) copy of the enclosed documentation in addition to the electronic copy provided to you via email.

Comment 1:

A plan of the Township's sewer system was provided but it did not provide the information requested in Item 5 of our September 24, 2020 review letter. Specifically, it did not show the location of the new Planebrook Regional Pump Station or its associated force main which is proposed to convey the sewage from the proposed collection sewers. Please provide a general map showing the path of the sewage from the point at which it connects into the existing sewer system to the receiving treatment plant.

Response:

Please see the attached plans for your reference.

Comment 2:

In addition, it appears that the proposed collection system will connect to the Township's existing sewer system via a single point of connection from a manhole in Planebrook Road that is tributary to the new Planebrook Regional Pump Station. Please confirm.

Response:

That is correct.

Comment #3:

As requested by Item 7.c. of our September 24, 2020 review letter please state whether this area has experienced a high rate of on-lot malfunctions.

Response:

The land uses adjacent to the planning area are residential, office/business, and commercial. In item #2 above, the planned extension of the sanitary sewer system (to serve these properties) extends back to planning (and Department approval of this planning) to make this a future public sewer service area. Residents in this area have expressed an interest in having public sewer service and have been given an opportunity to express their desires (once in the 2000's and again in 2019). The selected alternative was chosen over the no action alternative since this area was previously defined and approved as a public sewer service area in prior planning (2011).ndic

To date, the Township has not received any formal notifications or complaints regarding failing on-lot systems. That said, the Township has received some inquiries from residents asking when the project will be built. This is, in part, because some residents' systems have expressed concern that their on-lot systems are showing signs of deterioration with the potential to fail.

Comment #4:

Section K requires that permittees of the receiving collection, conveyance and treatment facilities certify capacity for the project flows. As requested by Item 10 of our September 24, 2020 review letter, please have Section K completed by Aqua Resources, Inc., the permittee of the Valley Creek Trunk Sewer and Wilson Road Pump Station.

Response:

Please see the attached Section K completed by Aqua Resources, Inc.

Comment #5:

The Township has requested in response to Item 13 of our September 24, 2020 review letter that they not have to republish for this project. DEP understands that the current pandemic has placed restrictions on typical municipal operations and has accepted alternate means of providing access to planning documents to the general public. However, while the Township's May 28, 2020 public notice in the Daily Local News provided access to the planning document on the Township's website, the notice did not state the address of the Township's website. In addition, the May 28, 2020 public notice directed written comments to be addressed to Mr. John Nagel, Township Manager, but the notice did not provide contact information for Mr. Nagel in either the form of a mailing address or an electronic mail address. Without the website and municipal contact information, the May 28, 2020 public notice does not meet the public notice requirements. As such, this project will need to be republished to include this information. We also continue to recommend that an alternative for viewing in addition to the Township's website also be provided for those people that may not have access to the internet. A copy of the public notice in the form of a notarized Proof of Publication should be submitted with the official planning module resubmission along with copies of any written comments received during the 30-day public comment period. Please also include the municipal response to these comments. If no comments are received, you may submit a letter to that effect and check the appropriate box in Section O of the Component 3m planning module.

Response:

Please see the attached notarized proof of publication and the letter stating that no public comments were received. The appropriate box in Section O has been checked.

Please let us know if you have any additional questions or would like further clarification. Thank you again for your attention to the review of the Act 537 Planning document.

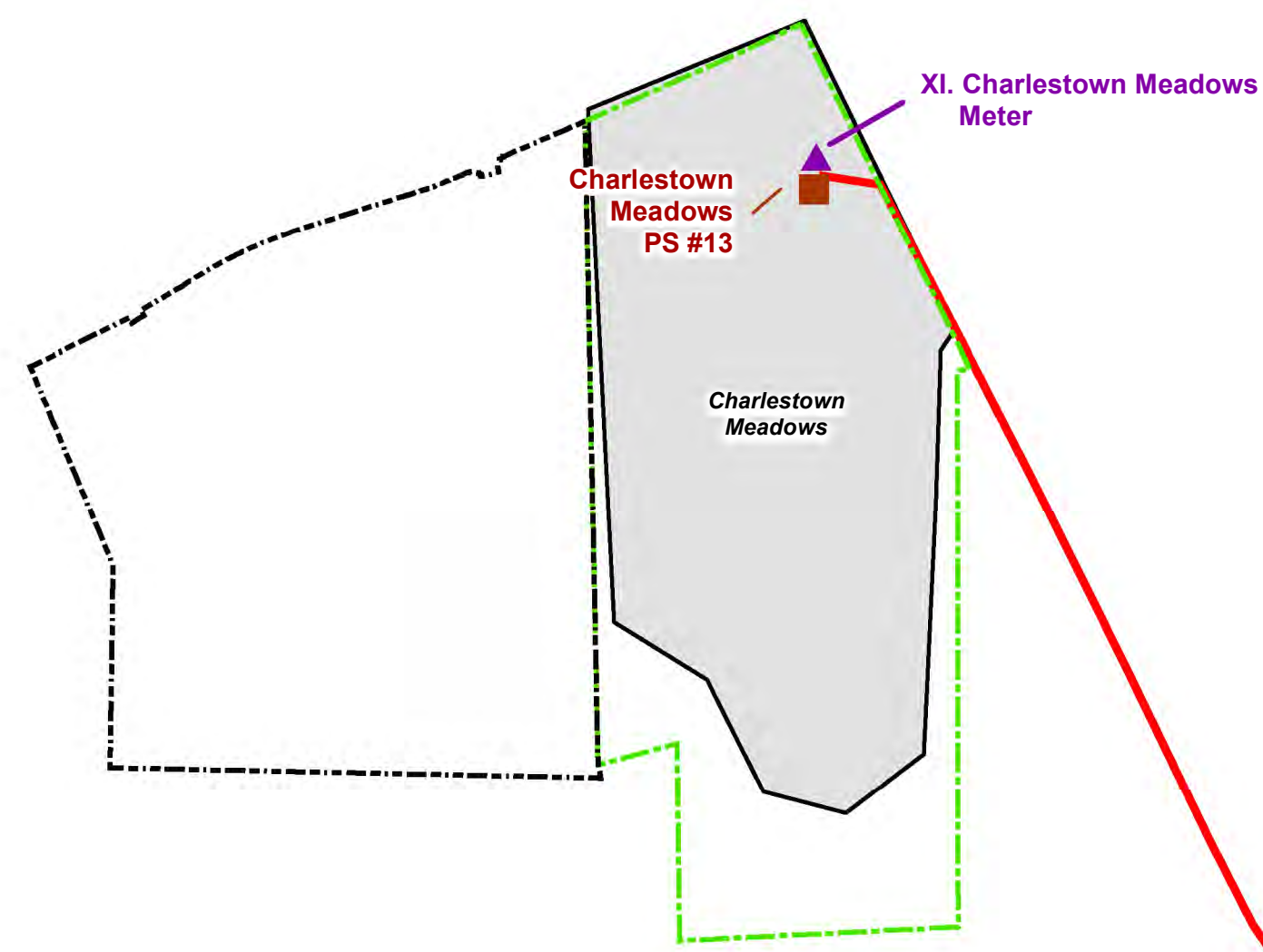
Sincerely,

Donna Wikert

East Whiteland Township

Cc: John Nagel – East Whiteland Township
John Neild – East Whiteland Township
John Mott, P.E. – ARRO
William Bohner, Jr., P.E. – ARRO

Sanitary Sewer Collection System East Whiteland Township Chester County, PA



Pump Stations

1. Deer Run
2. Mill Ln
3. Wilburdale Rd
4. Lee Blvd
5. Meadow View
6. Flat Rd
7. Lapp Rd
8. Westgate
9. Church Rd
10. Frame Ave
11. Hillbrook Circle
12. King Rd
13. Charlestown Meadows

Meters

- I. Old Lincoln Hwy
- II. Warren Ave
- III. Lee Blvd
- IV. Church Rd
- V. Matthews Rd
- VI. Unisys
- VII. Northridge/Miner Hill
- VIII. Erin Glen
- IX. Woodview Apt
- X. Charlestown Oaks
- XI. Charlestown Meadows

LEGEND

- Manholes
- Meters
- Pump Stations
- Laterals
- Weston Master Plan Area
- Municipal Boundaries
- Lakes & Ponds
- Streams
- Subdivisions
- Parcel Boundaries
- Valley Forge Service Area
- Valley Forge Service Area Proposed
- Future Developments
- 8" Force Mains & Size
- 8" Gravity Sewer
- 10" Gravity Sewer
- 12" Gravity Sewer
- 12" Gravity (Proposed)
- 15" Gravity Sewer
- 16" Gravity Sewer
- 18" Gravity Sewer
- 20" Gravity Sewer
- 24" Gravity Sewer
- 27" Gravity Sewer
- 36" Gravity Sewer
- Unknown Pipe Diameter

MAP NOTES:

Mapping information was derived from various planning documents including Schoor DePalma's Sanitary Sewer Meter Location Plan, K&H Associates Township plan, Roy F. Weston's Master Sanitary Sewer System Plan, Chester County Recorder of Deeds Plans, and township as-built plans received by ARRO. The mapping is incomplete and will be improved as as-built and other plan information is updated into the GIS. This GIS database will provide a framework for modeling the collection system to analyze capacity issues and make recommended improvements to mitigate capacity deficiencies.

Date Sources: East Whiteland Township, Schoor DePalma, K&H Associates, Roy F. Weston, Chester County Recorder of Deeds and ARRO.

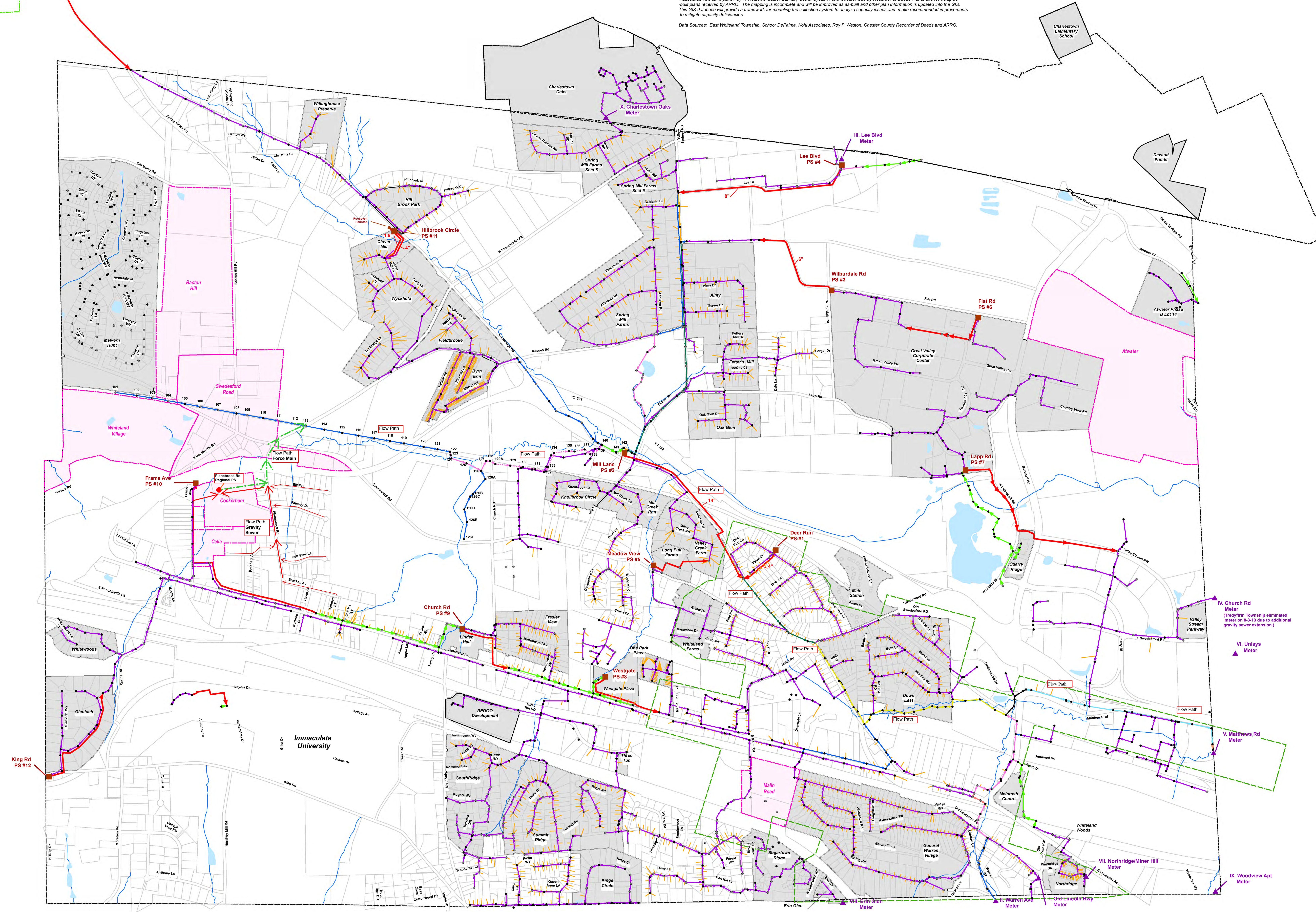
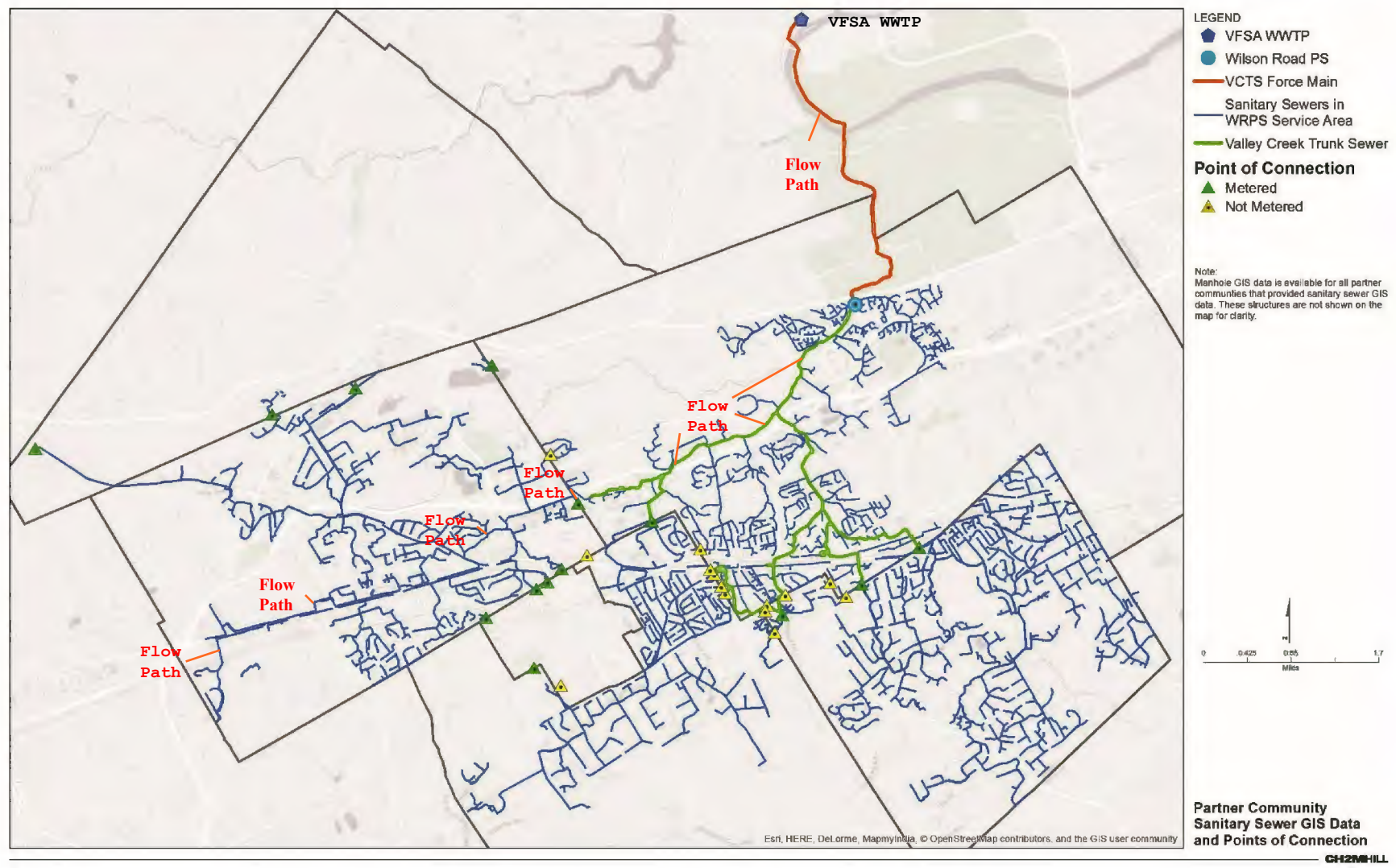


Figure 6-2. Comparison of 2010 Projected Future Flows to Recent Data and 1970 Reserve Capacity



9. ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project, address these additional items in terms of any project impacts and measures to avoid or mitigate same.
- Cost Effectiveness
 - Air quality
 - Floodplains
 - Wild and scenic rivers
 - Coastal zone management
 - Socio-economic impacts
 - Water supplies
 - Other environmentally sensitive areas

J. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section J of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section J of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section J of the instructions.

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 29,425 gpd
2. Total Sewage Flows to Facilities
 - a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
 - b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
 - c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection	20772000	20772000	5193000	11943900	6076000	13974800
Conveyance	20160000	20160000	5654000	13004200	6631000	15251300
Treatment						

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.

- b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

c. Collection System

Name of Agency, Authority, Municipality Aqua Resources, Inc.

Name of Responsible Agent Kyle Roberts

Agent Signature _____

Date 12/3/2020

d. Conveyance System

Name of Agency, Authority, Municipality Aqua Resources, Inc.

Name of Responsible Agent Kyle Roberts

Agent Signature _____

Date 12/3/2020

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

- a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.
- b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

L. INSTITUTIONAL EVALUATION (See Section L of instructions)


- An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

PHILADELPHIA GROUP

AFFIDAVIT OF PUBLICATION
307 Derstine Avenue • Lansdale, PA 19446

EAST WHITELAND TOWNSHIP
209 CONESTOGA ROAD
FRAZER, PA 19355-1699
Attention:

STATE OF PENNSYLVANIA,
COUNTY OF MONTGOMERY

The undersigned , being duly sworn the he/she is the principal clerk of Daily Local News, Daily Local News Digital, published in the English language for the dissemination of local or transmitted news and intelligence of a general character, which are duly qualified newspapers, and the annexed hereto is a copy of certain order, notice, publication or advertisement of:

PUBLIC NOTICE

A "Sewage Facilities Planning Module for Minor Act 537 Update Revisions" (Plan) has been prepared for East Whiteland Township (Township), Chester County, Pennsylvania. The Plan addresses the planning requirements necessary for the construction a sanitary sewer extension to provide public sewer service to residential properties and some commercial properties located on and adjacent to Planebrook Road south of the Route 202 overpass.

The purpose of the sewer extension is to provide public sewer service properties that currently have on-lot disposal systems.

The primary alternatives for this plan include: (1) Continue to utilize the existing on-lot disposal systems and do nothing, or (2) Extend public sewer service to the respective properties and abandon the on-lot systems. The alternative for the extension of public sewer service was selected. To achieve this, the proposed sewer main will be a combination of gravity sewer. The sewer main extension will serve Planebrook Road, Elk Drive, Fairway Drive, Golf View Lane, Bracken Avenue, David Avenue, and Prospect Avenue. It will extend from the existing sanitary sewer manhole in Planebrook Road with flow directed to the newly constructed regional pump station.

Each property owner will be responsible for installing a service lateral or grinder pump and service lateral to connect to the proposed sewer main.

The engineer's planning-level opinion of probable construction cost for extending public sewer service is \$1,740,000.

This project will be paid for by the Township. Tapping fees and plumbers fees will be the responsibility of the property owners.

In accordance with Chapter 71.3(c) of the Pennsylvania Code, the Authority is providing a 30-day public comment period. This planning document is available, for review, on the Township's website at www.eastwhiteland.org and at the Township Building located at 209 Conestoga Road, Frazer, PA 19355. Viewing of the document at the Township Building is by appointment only. To schedule an appointment, please call 610-648-0600. When visiting the Township Building, all CDC COVID-19 Safety Protocols shall be followed. Comments shall be addressed, in writing, to Mr. John Nage, Township Manager at the Township Building address noted above and are due no later than 30 days from the date of this notice.
OLN 12/21; 1a

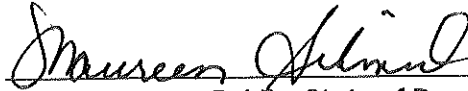
EAST WHITELAND TOWNSHIP

Published in the following edition(s):

Daily Local News	12/21/20
Daily Local News Digital	12/21/20

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
MAUREEN SCHMID, Notary Public
Lansdale Boro., Montgomery County
My Commission Expires March 31, 2021

Sworn to the subscribed before me this 1/22/21.


Notary Public, State of Pennsylvania
Acting In County of Montgomery

Advertisement Information

Client Id: 884447 **Ad Id:** 2104355 **PO:** **Sales Person:** 018303



EAST WHITELAND TOWNSHIP

THE HEART OF GREAT VALLEY

209 Conestoga Road
Frazer, Pennsylvania 19355-1699
Telephone: 610-648-0600
www.eastwhiteland.org

Board of Supervisors: Susan Drummond • Scott Lambert • Richard Orlow **Township Manager:** John Nagel

January 21, 2021

William Bohner, Jr., P.E.
ARRO Consulting, Inc.
350 West Main Street
Suite 200
Trappe, PA 19426

RE: Planebrook Road Act 537 Component 3m;
East Whiteland Township, Chester County;
Public Comment (Readvertisement; January 2021)
No Comments Received;

Dear Mr. Bohner:

In accordance with Title 25, Chapter 71 of the Pennsylvania Code, a 30-day public comment period was conducted for the sanitary sewage facilities Act 537 Component 3m prepared for the extending of public sewer to the Planebrook Road planning area in East Whiteland Township (Township). The public comment period began on December 21, 2020 and ended on January 20, 2021. During that period, no public comments were received by the Township.

Sincerely,

John Nagel
Township Manager

**East Whiteland Township
Sewage Facilities Planning Module
(Component 3m)
Planebrook Road Area
Sewer Extension**

March 2020

**PA DEP Code: 1-15925-392-3m
P.N. 10310.36**

Prepared by:

**ARRO Consulting, Inc.
350 West Main Street
Suite 200
Trappe, PA 19426**

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Exhibit A

Resolution of Adoption

RESOLUTION NO. _____

Resolution for Plan Revision

DRAFT

RESOLUTION OF EAST WHITELAND TOWNSHIP, CHESTER COUNTY,
PENNSYLVANIA (hereinafter “the Township”).

WHEREAS, Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537 known as the “Pennsylvania Sewage Facilities Act”, as Amended, and the Rules and Regulations of the Pennsylvania Department of Environmental Protection (PADEP) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, require the Township to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes, and to revise said Plan whenever it is necessary to meet the sewage disposal needs of the Township.

NOW, THEREFORE, BE IT RESOLVED, that the Township hereby adopts and submits to the Pennsylvania Department of Environmental Protection for its approval, as a revision to the “Official Plan” of the Township, this Act 537 Planning Module; Component 3m.

The Township hereby approves and adopts this Act 537 Planning Module; Component 3m, which provides the basis to implement the selected alternative for the construction of a sanitary sewer extension to provide public sewer service to 107 properties located in the Planebrook Road Area. These properties currently have on-lot disposal systems. Key implementation activities include planning module approval, project bidding, and project construction. These activities shall be implemented in accordance with the implementation schedule detailed in Exhibit Q of the Sewage Facilities Planning Module.

The Township finds that this Act 537 Planning Module; Component 3m, described above, conforms to applicable zoning, subdivision, other municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

I, _____, Secretary, East Whiteland Township, hereby certify that the foregoing is a true copy of Township Resolution No. _____, adopted _____, 2020.

(TOWNSHIP SEAL)

Secretary

Exhibit B

Component 3m



SEWAGE FACILITIES PLANNING MODULE FOR MINOR ACT 537 UPDATE REVISION

Component 3m. Municipal or Authority Sponsored Minor Sewage Collection Project

(Return completed module package to appropriate municipality)

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #

This document provides a simplified planning format for municipalities and municipal authorities proposing the construction of a sewer extension primarily serving existing development. Typically, this format would be used for projects involving the extension of sewer service to no more than 100 equivalent dwelling units (EDUs) and where the majority of the project serves existing development. For projects where more than 50 percent of the proposed customers will result from new land development, a Component 3 Sewage Facilities Planning Module would typically be used. For larger projects or if the project would involve the construction or modification of a wastewater treatment facility, then a general Act 537 Update Revision, meeting all of the requirements of Title 25 Pennsylvania Code, Chapter 71 § 71.21, is appropriate.

DEP staff will make a final determination as to the appropriate type of planning for a given project based on the review of a plan of study. Eligibility for a grant to offset the cost of planning will be determined by DEP staff based upon review of a *Task/Activity Report* (3800-FM-BPNPSM0005). The project sponsor submits both documents. **DO NOT** use this form without coordinating with your local DEP staff. Refer to the instructions.

This planning document, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name

East Whiteland Township; Planebrook Road Area Sanitary Sewer Extension

2. Brief Project Description

Extend public sewer service to existing properties located along, adjacent to, and near Planebrook Road.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
East Whiteland Township	Chester	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Municipality Contact - Last Name	First Name	MI	Suffix	Title
Steele	William			Director of Public Works

Additional Individual - Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1	Mailing Address Line 2
209 Conestoga Road	

Address Last Line - City	State	ZIP+4
Frazier	PA	19355

Phone + Ext.	FAX (optional)	Email (optional)
610-948-0600		wsteele@eastwhiteland.org

C. SITE INFORMATION (See Section C of instructions)

Site Name

Planebrook Road Area

Site Location Line 1

Immediately North of the Intersection of Planebrook Road and Lincoln Highway

Site Location Line 2

Site Location Last Line - City	State	ZIP+4	Latitude	Longitude
Malvern	PA	19355	40.04 Deg.	-75.57 Deg.

Detailed Written Directions to Site

State Route 202 South to the Exit for Rt. 30 E. Business.; Follow Rt. 30 E. Business to the intersection with Planebrook Road. Make a left on to Planebrook Road and this will take you to the planning area.

Description of Site

Primarily existing residential and some commercial properties.

Site Contact - Last Name	First Name	MI	Suffix	Phone	Ext.
Steele	William			(610)948-0600	

Site Contact Title	Site Contact Firm (if none, leave blank)
Director of Public Works	East Whiteland Township

FAX	Email
	wsteele@eastwhiteland.org

Mailing Address Line 1	Mailing Address Line 2
209 Conestoga Road	

Mailing Address Last Line - City	State	ZIP+4
Frazier	PA	19355

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name	First Name	MI	Suffix
Bohner	William	L	Jr.

Title	Consulting Firm Name
Project Engineer	ARRO Consulting, Inc.

Mailing Address Line 1	Mailing Address Line 2
350 West Main Street	Suite 200

Address Last Line - City	State	ZIP+4	Country
Trappe	PA	19426	USA

Email	Phone	Ext.	FAX
bill.bohner@thearrogroup.com	610.495.2102		610.495.5855

E. AVAILABILITY OF DRINKING WATER SUPPLY (See Section E of instructions)

The project will be provided with drinking water from the following source: (Check appropriate box)

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: Aqua PA

F. PROJECT NARRATIVE (See Section F of instructions)

- A narrative has been prepared as described in Section E of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section E of the instructions.

G. SEWAGE DISPOSAL NEEDS IDENTIFICATION (See Section G of instructions)

Conduct sanitary and water supply surveys per DEP's publication entitled *Sewage Disposal Needs Identification*. This is highly recommended for all projects. It is required if PENNVEST funding is to be sought for the project, or if required by DEP as indicated by the checked box opposite this item.

H. EXISTING WASTEWATER FACILITIES (See Section H of instructions)

1. **COLLECTION SYSTEM**

Provide requested information concerning the existing treatment facility.

- a. Name of existing collection system East Whiteland Twp. System

Clean Streams Law Permit Number 1515402

- b. Name of interceptor Whiteland Village Sewer Extension/Interceptor

Clean Streams Law Permit Number 1515402

2. **WASTEWATER TREATMENT FACILITY**

Provide requested information concerning the existing treatment facility.

Name of existing facility Valley Forge Sewer Authority WWTP

NPDES Permit Number for existing facility 43974

I. PROPOSED WASTEWATER FACILITIES (See Section I of instructions)

1. Provide an estimate of the immediate and five year projected flow from the proposed sewer extension. Address the capacity for this flow in the existing conveyance and treatment facilities in terms of the most recent wasteload management annual report for these facilities.

2. **PLOT PLAN**

The following information is to be submitted on a plot plan or map of the proposed project that clearly reflects the relationship between the proposed facilities and the identified features.

- | | |
|--|--|
| a. Existing and proposed buildings. | h. Existing and proposed streets, roadways, access roads, etc. |
| b. Lot lines and lot sizes. | i. Any designated recreational or open space area |
| c. Adjacent lots. | j. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping. |
| d. Existing and proposed sewerage facilities. | k. Flood plains or Floodprone area soils, floodways, watercourses, water bodies (from Federal Flood Insurance Mapping) |
| e. Show tap-in or sewer extension to the point of connection to existing collection system. | l. Prime Agricultural Land. |
| f. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.) | m. Any other facilities (pipelines, power lines, etc.) |
| g. Existing and proposed rights-of-way. | n. Orientation to north. |

I. PROPOSED WASTEWATER FACILITIES (continued)

3. WETLAND PROTECTION

YES NO

- a. Are there wetlands in the project area? If yes, indicate these areas on the plot plan as shown in the mapping or through on-site delineation.
- b. Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on HQ or EV streams and address impacts of the permitting requirements of said encroachments on the project.

4. PRIMARY AGRICULTURAL LAND PROTECTION

- a. Will your project involve the disturbance of any prime agricultural lands? If "yes" indicate any alternatives to this disturbance that were considered and the reasons they were not deemed feasible. Identify any primary or secondary impacts of the project on the Commonwealth's prime agricultural lands. Evaluate alternatives to avoid or mitigate undesirable impacts. The selected sewage facilities plan must be consistent with local measures in place to protect prime agricultural lands.

5. STORMWATER MANAGEMENT IMPACTS:

- a. Will the project impact an area covered by a DEP approved County Stormwater Management Plan? If yes show that the proposed facilities are consistent with that plan.

6. PENNSYLVANIA NATURAL DIVERSITY INDEX (PNDI) CONSISTENCY:

Check one:

- The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.
- A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at www.naturalheritage.state.pa.us, and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdiction agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials WLB

7. COMPREHENSIVE PLAN CONSISTENCY:

- A narrative and mapping to show that the proposed project is consistent with any comprehensive plan developed under the Pennsylvania Municipalities Planning Code (Act 247) is attached. Document that the proposed project is consistent with land use and all other requirements stated in the comprehensive plan.

8. COOPERATION WITH PA. HISTORICAL AND MUSEUM COMMISSION (PHMC):

- A copy of DEP's "Cultural Resource Notice" and map which were sent to the Commission and a copy of the Commission's response are attached. Note that the Commission may require archeological surveys if federal funds, including PENNVEST, will be used in the project. If PENNVEST funds are to be used, DEP cannot recommend the project to PENNVEST for consideration until any required surveys have been done and the project has been "cleared" by the Commission.

9. ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project, address these additional items in terms of any project impacts and measures to avoid or mitigate same.
- Cost Effectiveness
 - Air quality
 - Floodplains
 - Wild and scenic rivers
 - Coastal zone management
 - Socio-economic impacts
 - Water supplies
 - Other environmentally sensitive areas

J. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section J of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section J of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section J of the instructions.

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 29425 gpd
2. Total Sewage Flows to Facilities
 - a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
 - b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
 - c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.

- b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

c. Collection System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent William Steele

Agent Signature _____

Date _____

d. Conveyance System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent William Steele

Agent Signature _____

Date _____

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

- a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.

- b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality Valley Forge Sewer Authority

Name of Responsible Agent _____

Agent Signature _____

Date _____

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

- An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

M. PROJECT COST AND FUNDING ANALYSIS (See Section M of instructions)

- A detailed cost estimate and present worth analysis for the project is attached. Provide a financing plan for the project, identifying the funding source(s) and identifying estimated tap fees and user rates. For projects proposing the use of PENNVEST funds, see Section I. 9. **ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS**. Complete the following table:

Cost and Funding Information (Estimated)	
COST	
Construction cost	\$ 1531200
Administrative, legal, engineering cost	\$ 208800
Total project cost	\$ 1740000
Annual O/M cost	\$ 6000
FUNDING	
Tap-in fees (\$ per EDU X no. EDUs)	\$ 428000
Proceeds from primary funding source	\$ 1312000
Proceeds from other funding sources	\$ 0
USER COSTS	
Initial user base	107 EDUs
Monthly debt service per EDU	\$ 0
Monthly O/M cost per EDU	\$ 50
Total estimated monthly user cost per EDU	\$ 50

N. PROJECT IMPLEMENTATION SCHEDULE (See Section N of instructions)

- A project implementation schedule showing milestone dates for submission of DEP permit applications, initiation and completion of construction and any other milestones significant to this particular project is attached to this component

O. PUBLIC NOTIFICATION REQUIREMENT (See Section O of instructions)

- Attached is a copy of the public notice. All comments received as a result of the notice are attached.
- Municipal response to these comments is attached.
- No comments were received. A copy of the public notice is attached.

P. ADDITIONAL CHAPTER 71 PLANNING ELEMENTS (See Section P of instructions)

a. Additional planning elements are required by DEP.

- _____
- _____
- _____
- _____
- _____

Q. PLANNING AGENCY REVIEW (See Section Q of instructions)

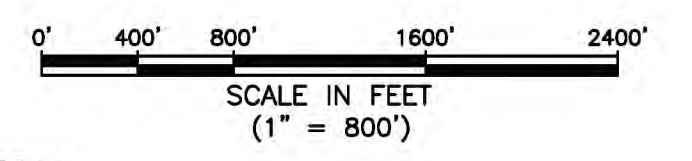
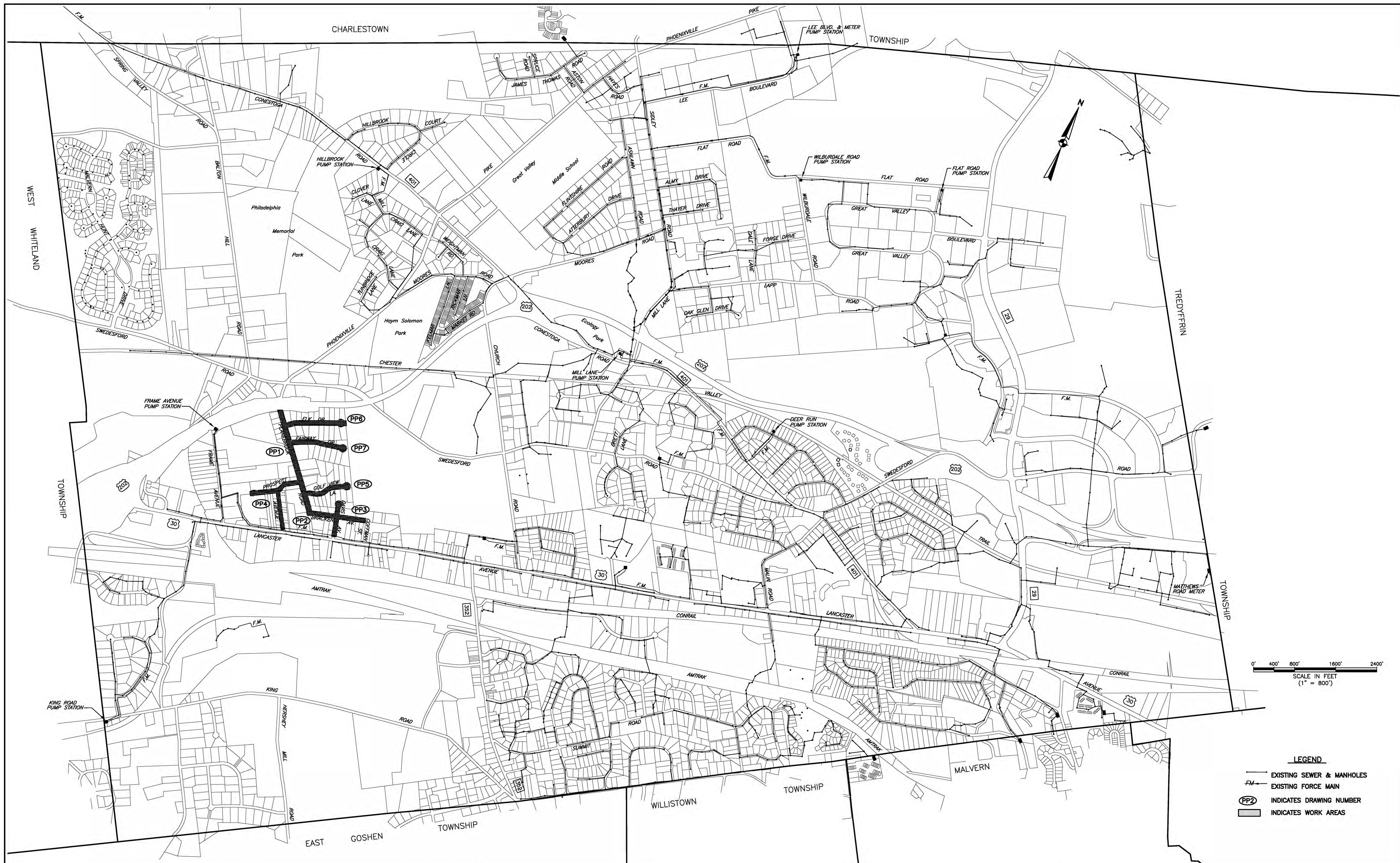
- Local Planning Commission comments or Component 4a are attached.
- County, Area, Or Region Planning Commission comments or Component 4b are attached.
- County or Joint County Health Department comments (if appropriate) or Component 4c are attached.

R. RESOLUTION OF ADOPTION (See Section R of instructions)

- An original, signed, and sealed Resolution of Adoption is attached.
-

Exhibit C

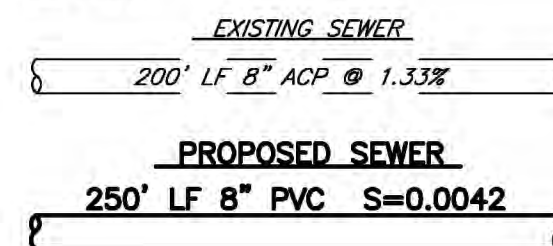
Sewer Extension Plan Sheets



- LEGEND**
- EXISTING SEWER & MANHOLES
 - F.M. EXISTING FORCE MAIN
 - PP2 INDICATES DRAWING NUMBER
 - ▭ INDICATES WORK AREAS

				JOHN A. MOTT, P.E. RELEASED BY DESIGN JOHN A. MOTT, P.E. DRAWN M. COLLINS/ P. TITUS DATE 1/23/2020 SURVEY DATE FIELD BOOK				SEAL	SEAL	CLIENT & PROJECT EAST WHITELAND TOWNSHIP 209 CONESTOGA RD. FRAZER, PA 19355 PLANEBROOK ROAD AREA SANITARY SEWERS CHESTER COUNTY, PENNSYLVANIA		ARRG Building 100, Suite 100-B 1450 E. Boot Road West Chester, Pennsylvania 19380 Tel 484.999.6150		TITLE PLOT PLAN		SCALE AS NOTED		DWG. NO. C1	
1 ISSUED FOR CONSTRUCTION 0 ISSUED FOR BID A ISSUED TO CLIENT				1/23/20	PT	JM					PROJECT NO. 10310.36		SHEET NO. 2 OF 19		REV. A				
NO	REVISION	DATE	BY	APP.	NO	REVISION	DATE	BY	APP.										

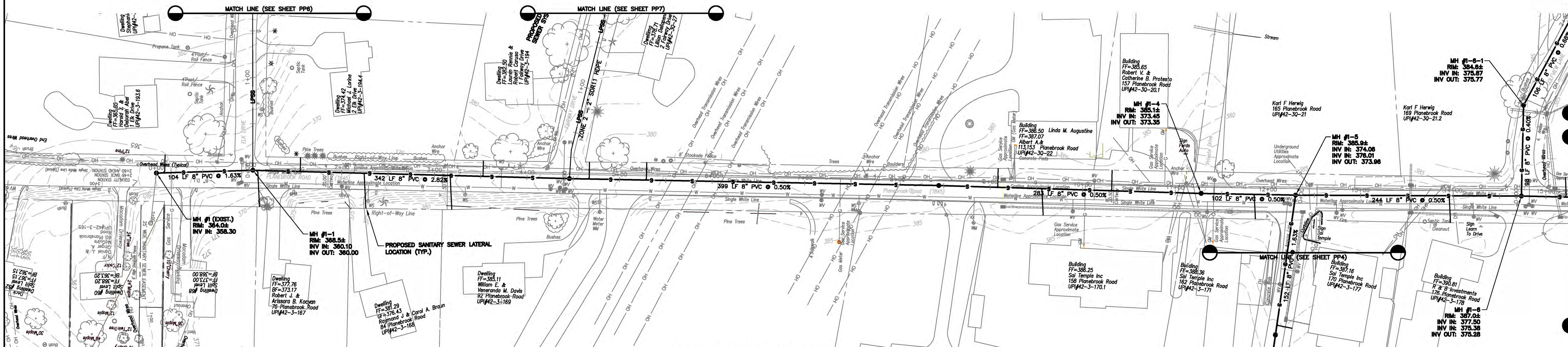
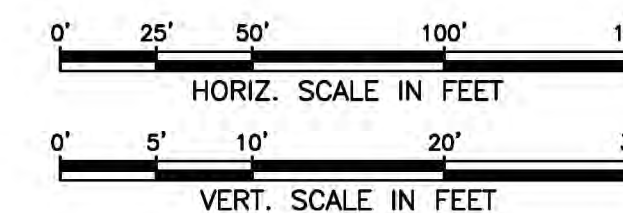
LEGEND



- SV(FD) = SEWER VENT (LOCATED PER FIELD SURVEY)
- SV = SEWER VENT (LOCATED PER AS-BUILT LATERAL REFERENCE SHEET)
- WS = WATER SERVICE
- WV = WATER VALVE
- WM = WATER METER
- MB = MAIL BOX

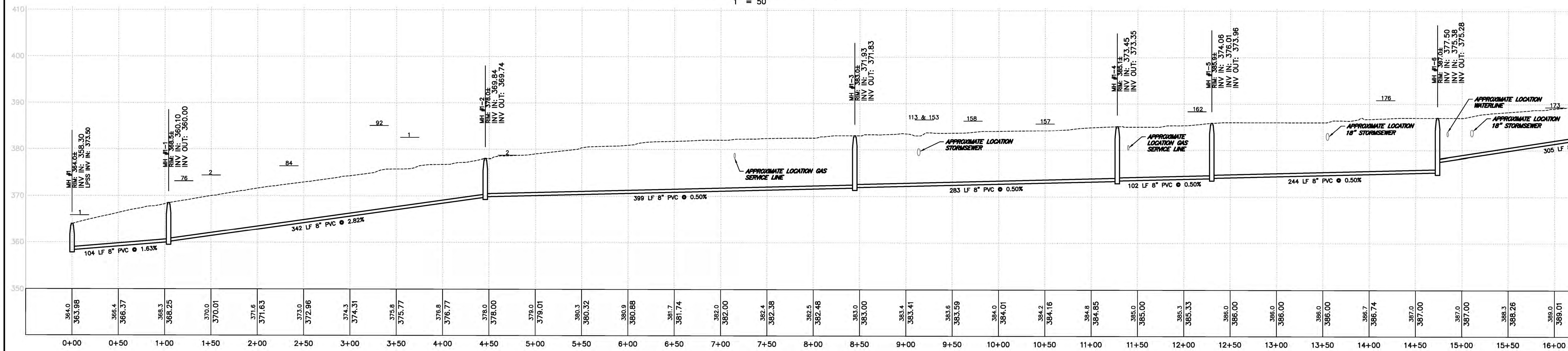
NOTES:

1. SHOWN EXISTING PLAN CONDITIONS ALONG PLANE BROOK ROAD AND ADJOINING ROADS PER FIELD SURVEY PERFORMED BY HOPKINS AND SCOTT, PROFESSIONAL LAND SURVEYORS, IN OCTOBER, 2019.
2. ALL PROPOSED PIPE LENGTHS ARE FROM CENTER-OF-MANHOLE TO CENTER-OF-MANHOLE, UNLESS NOTED OTHERWISE.
3. ALL NEW MANHOLES ARE TO BE 4-FOOT DIAMETER UNLESS NOTED OTHERWISE.



**PLANE BROOK ROAD PLAN
STA. 0+00 TO STA. 15+00**

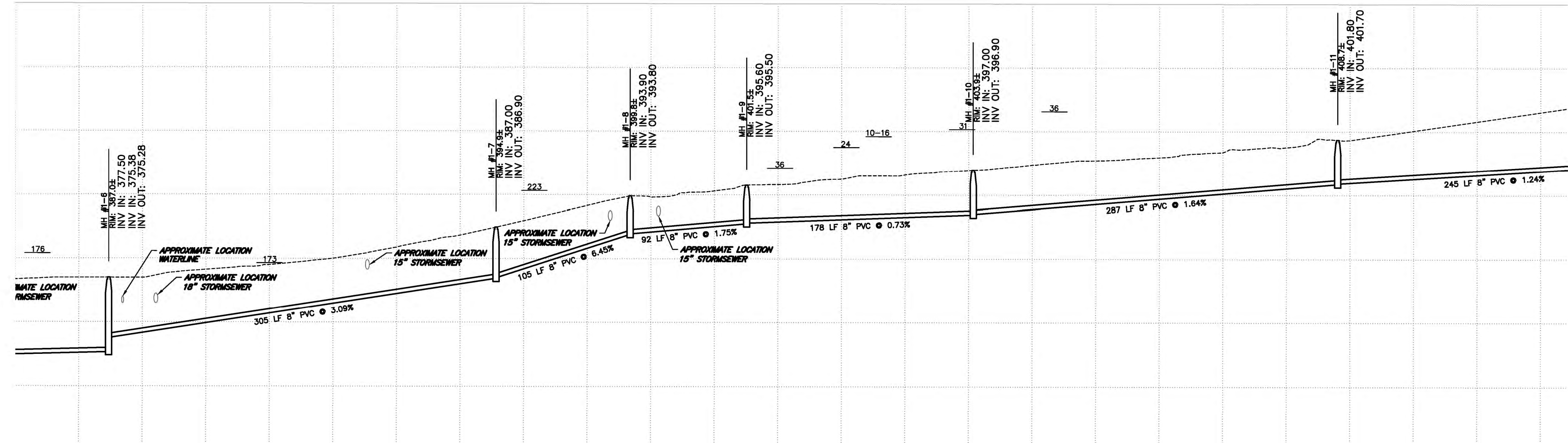
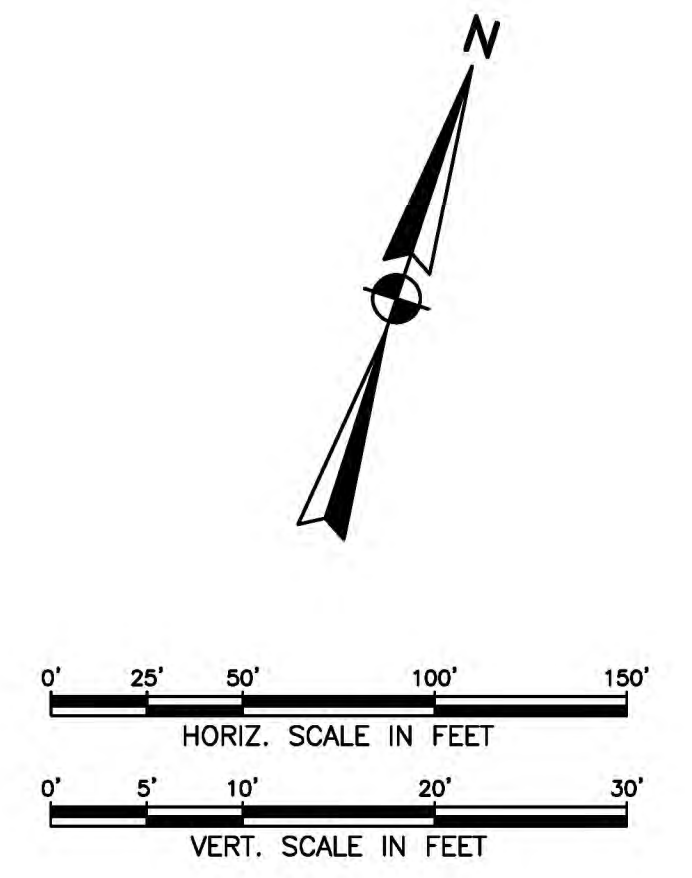
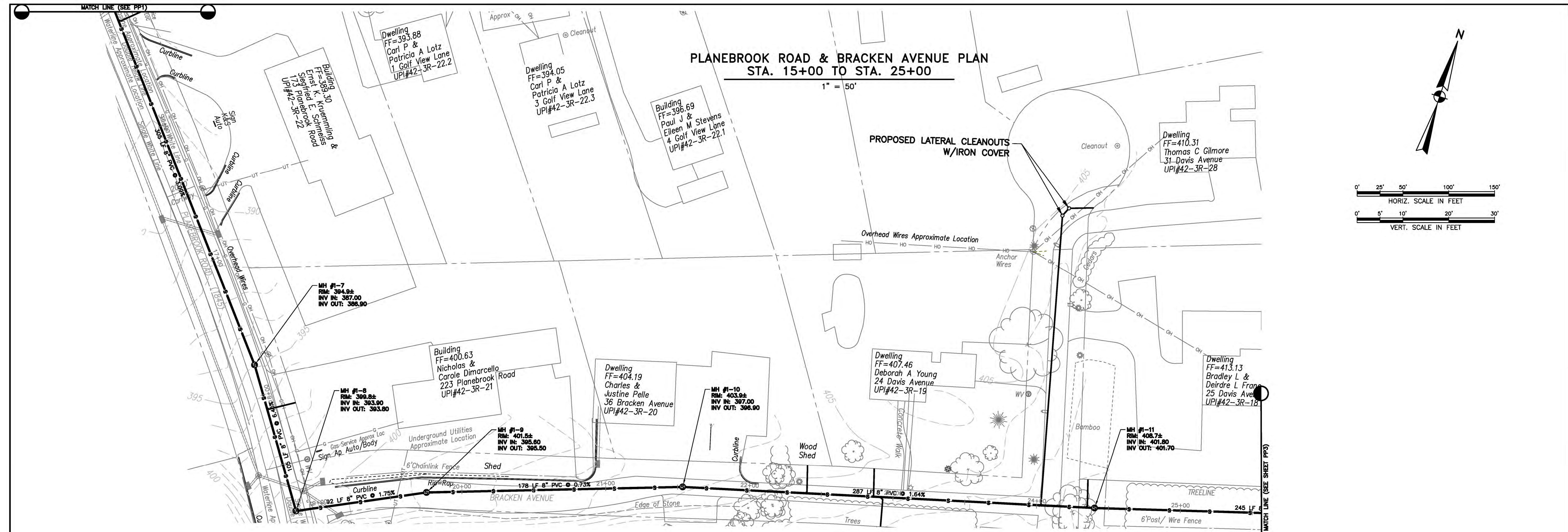
1" = 50'



**PLANE BROOK ROAD PROFILE
STA. 0+00 TO STA. 15+00**

HORZ. 1" = 50'; VERT. 1" = 10'

JOHN A. MOTT, P.E. RELEASED BY: _____ DESIGN: DRK DRAWN: DRK DATE: 1/23/2020				SEAL _____ SEAL	CLIENT & PROJECT EAST WHITELAND TOWNSHIP 209 CONESTOGA ROAD FRAZER, CHESTER COUNTY, PENNSYLVANIA PLANE BROOK ROAD AREA SANITARY SEWERS EAST WHITELAND TOWNSHIP		Building 100, Suite 100-B 1450 E. Boot Road West Chester, Pennsylvania 19380 Tel 484.999.6150		TITLE PLANE BROOK ROAD SANITARY SEWERS PLAN/PROFILE PLAN 1		SCALE 1" = 50'	DWG. NO. PP1
PROJECT NO. 10310.36		SHEET NO. 4 OF 19		REV. A		PROJECT NO. 10310.36		SHEET NO. 4 OF 19		REV. A		



PLANE BROOK ROAD & BRACKEN AVENUE PROFILE
STA. 15+00 TO STA. 25+00

HORIZ. 1" = 50'; VERT. 1" = 10'

366.74	367.0	367.00	367.0	367.00	368.3	368.26	369.0	369.01	390.0	390.01	391.8	391.78	393.7	393.68	395.9	395.92	398.3	398.30	399.6	399.65	400.6	400.60	401.6	401.61	402.5	402.45	403.1	403.15	403.9	403.88	404.7	404.73	405.4	405.42	405.9	405.91	406.7	406.74	407.5	407.53	408.7	408.67	410.1	410.13	411.6	411.60	413.1	413.07
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-00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00
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NO	REVISION	DATE	BY	APP.
1	ISSUED FOR CONSTRUCTION			
D	ISSUED FOR BID			
A	ISSUED FOR CLIENT REVIEW	1/23/20	DK	JM

JOHN A. MOTT, P.E.	SEAL
RELEASED BY	
DESIGN	CHECKED
DRK	JM
DRAWN	CHECKED
DRK	JM
DATE	SURVEY DATE
1/23/2020	
DATE	FIELD BOOK
1/23/2020	

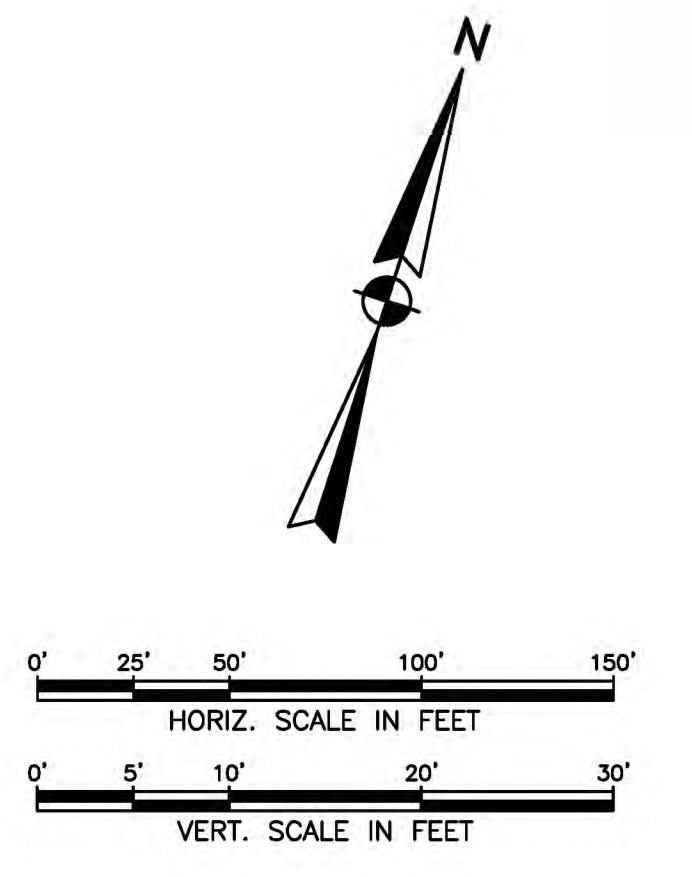
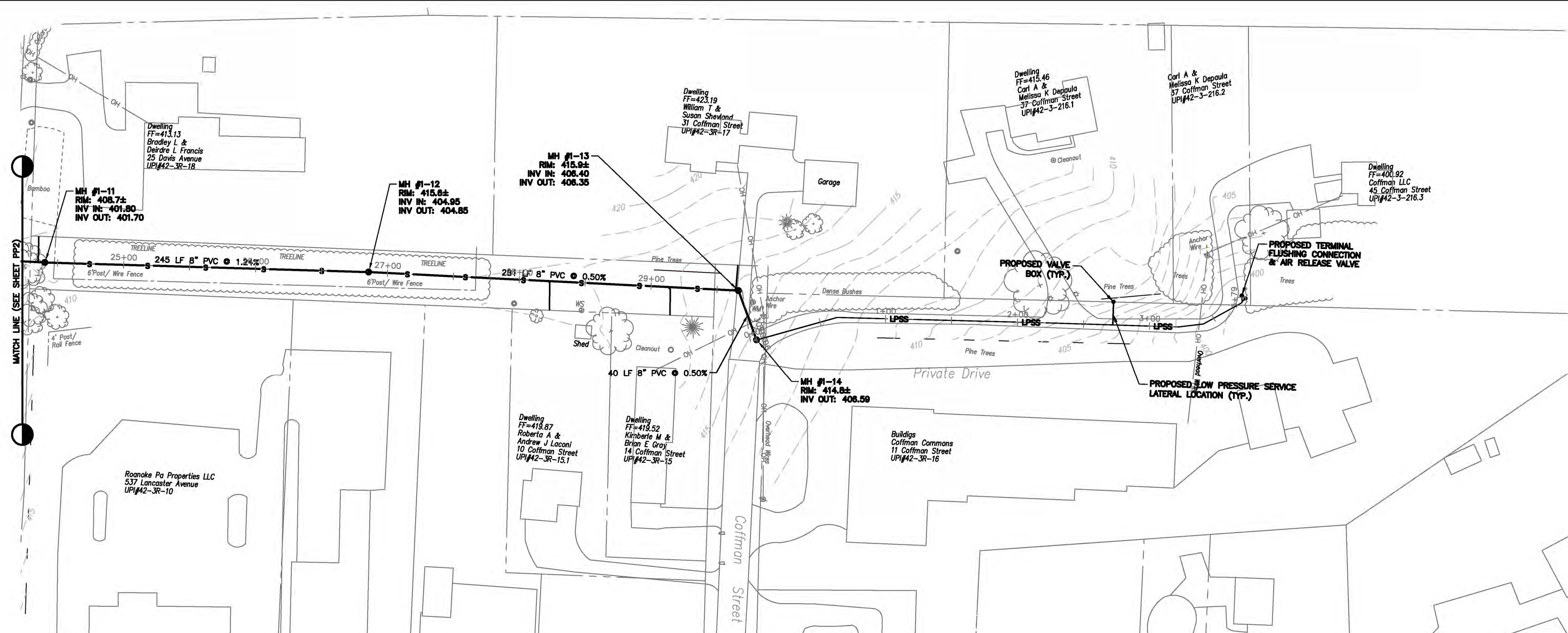
SEAL
SEAL

CLIENT & PROJECT
EAST WHITELAND TOWNSHIP
209 CONESTOGA ROAD
FRAZER, CHESTER COUNTY, PENNSYLVANIA

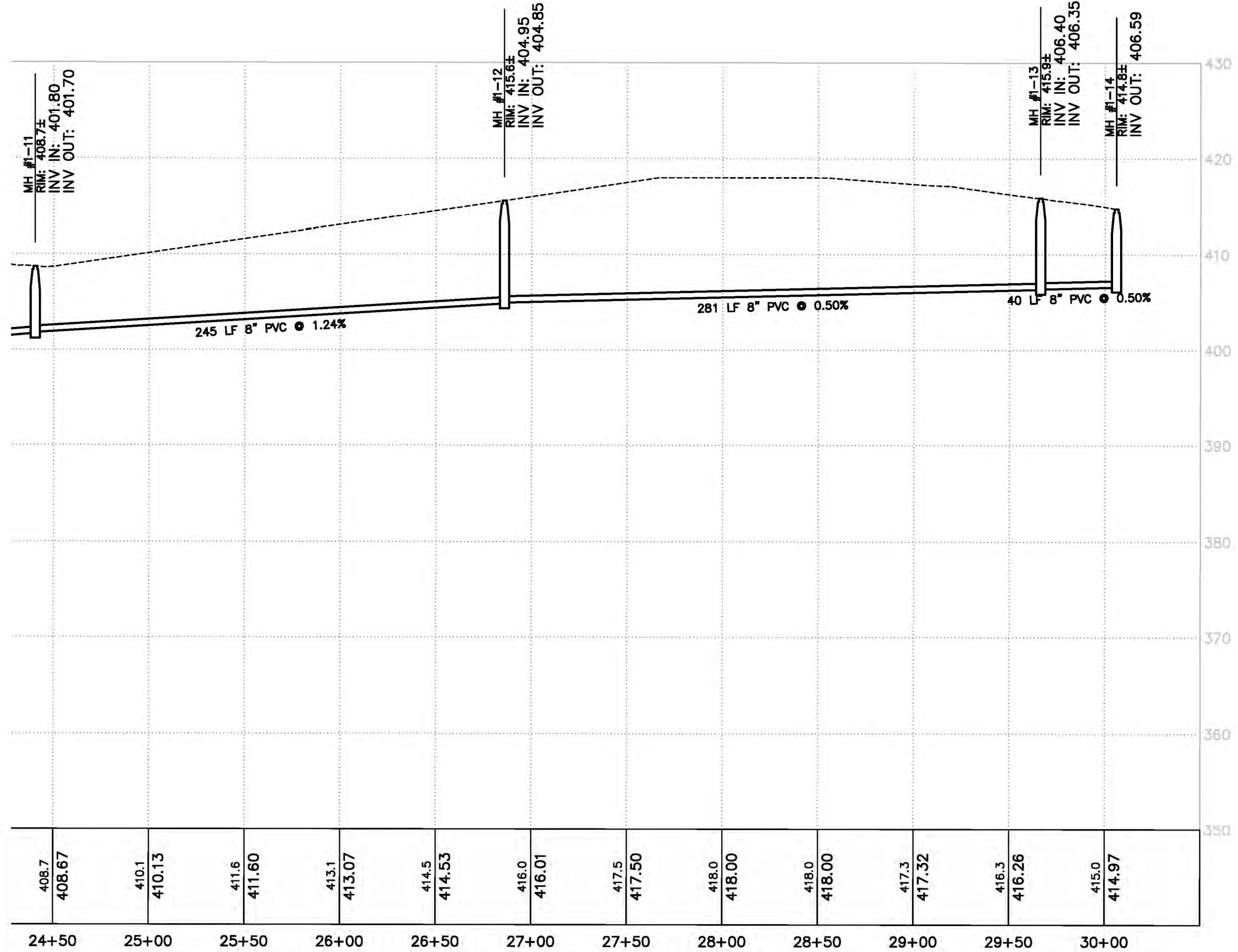
PLANE BROOK ROAD AREA
SANITARY SEWERS
EAST WHITELAND TOWNSHIP

Building 100, Suite 100-B
1450 E. Boot Road
West Chester, Pennsylvania 19380
Tel 484.999.6150

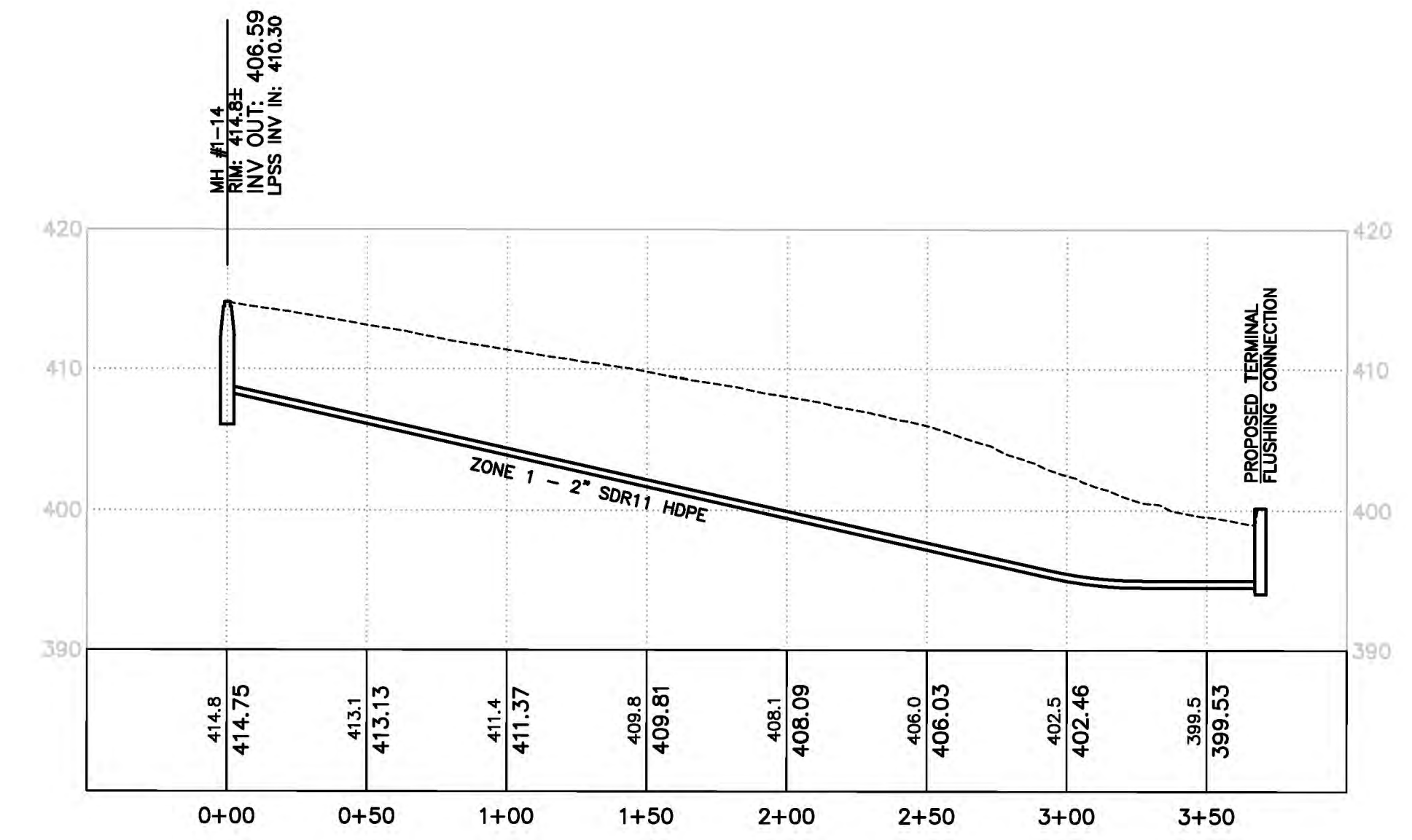
TITLE	PLANE BROOK ROAD & BRACKEN AVENUE SANITARY SEWERS PLAN/PROFILE PLAN 2
SCALE	1" = 50'
PROJECT NO.	10310.36
SHEET NO.	5 OF 19
REV.	A
DWG. NO.	PP2



BRACKEN AVENUE & PRIVATE DRIVE PLAN
 STA. 25+00 TO STA. 30+06
 1" = 50'

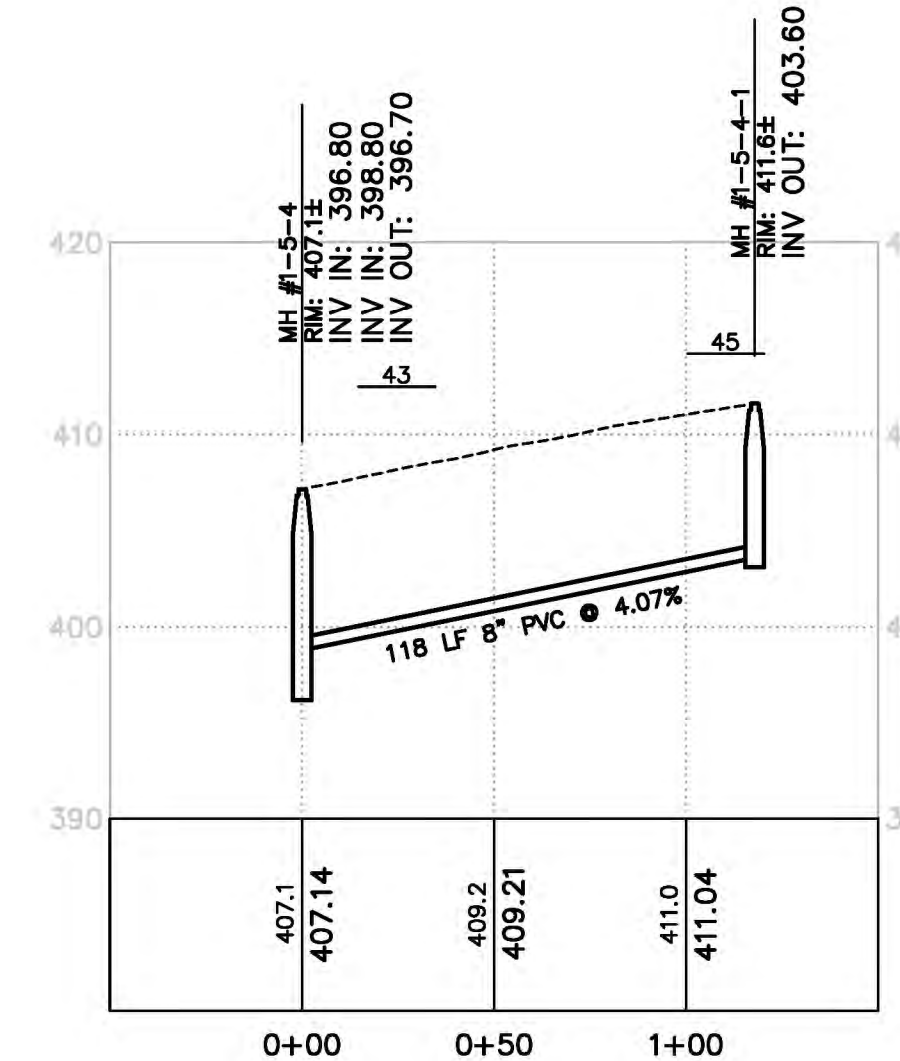
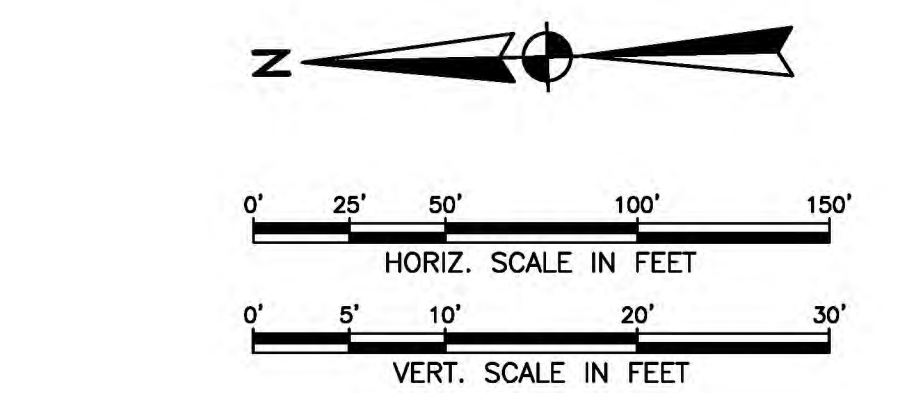
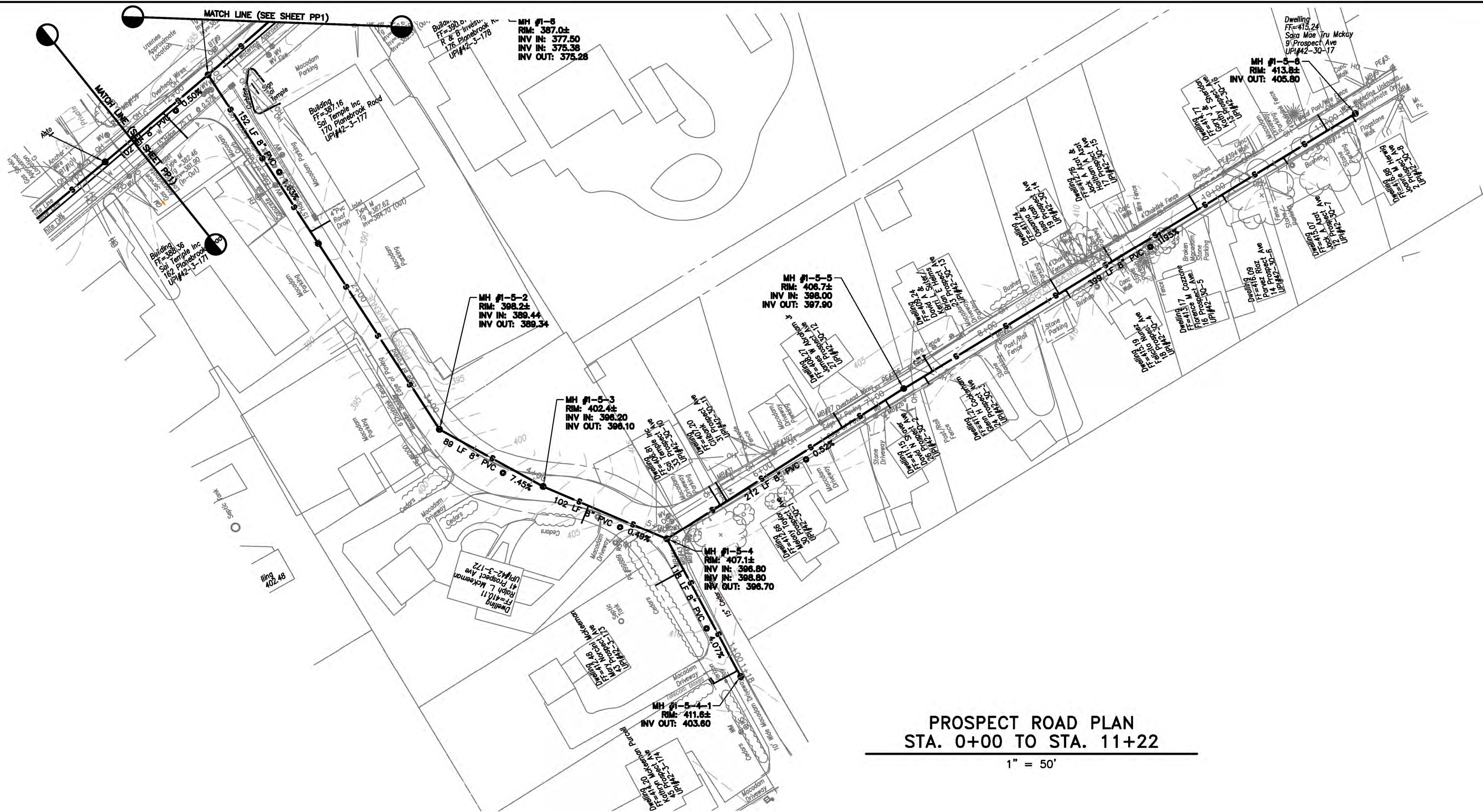


BRACKEN AVENUE PROFILE
 STA. 25+00 TO STA. 30+06
 HORZ. 1" = 50'; VERT. 1" = 10'



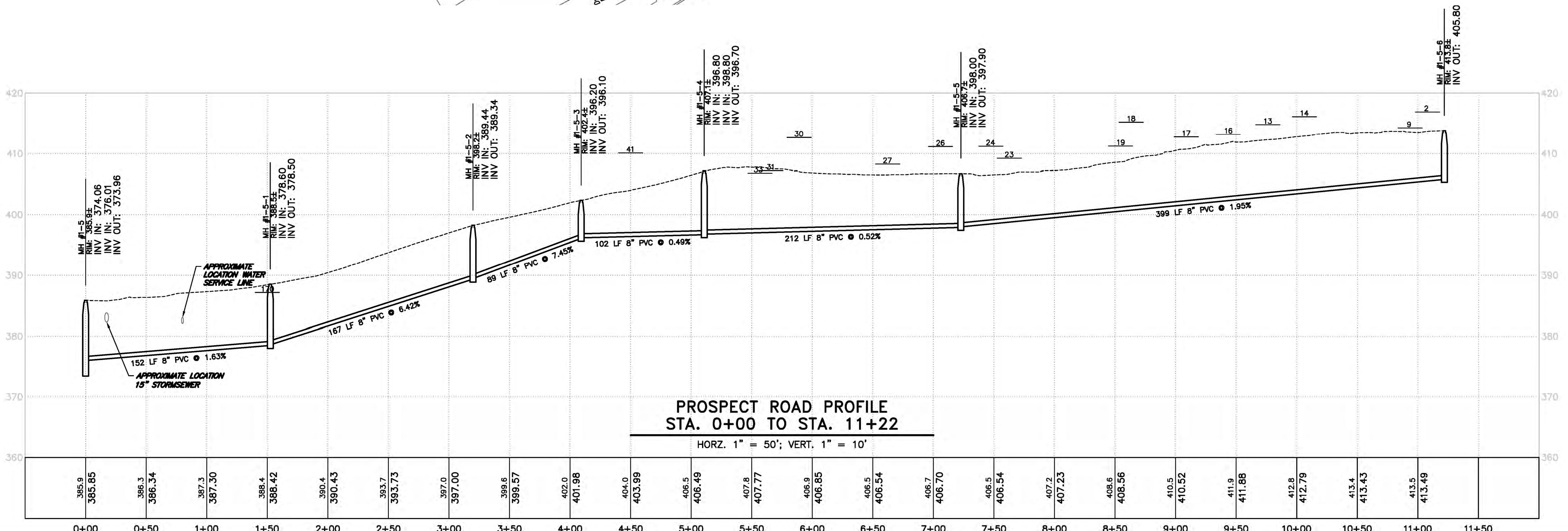
BRACKEN AVENUE PRIVATE DRIVE PROFILE
 STA. 0+00 TO STA. 3+79
 HORZ. 1" = 50'; VERT. 1" = 10'

NO		REVISION		DATE	BY	APP.	NO		REVISION		DATE	BY	APP.	JOHN A. MOTT, P.E. RELEASED BY DESIGN DRK DRAWN DRK DATE 1/23/2020 SURVEY DATE FIELD BOOK	SEAL	SEAL	CLIENT & PROJECT EAST WHITELAND TOWNSHIP 209 CONESTOGA ROAD FRAZER, CHESTER COUNTY, PENNSYLVANIA PLANEBROOK ROAD AREA SANITARY SEWERS EAST WHITELAND TOWNSHIP	Building 100, Suite 100-B 1450 E. Boot Road West Chester, Pennsylvania 19380 Tel 484.999.6150	TITLE BRACKEN AVENUE & COFFMAN STREET SANITARY SEWERS PLAN/PROFILE PLAN 3 SCALE 1" = 50' PROJECT NO. 10310.36 SHEET NO. 6 OF 19 REV. A	DWG. NO. PP3
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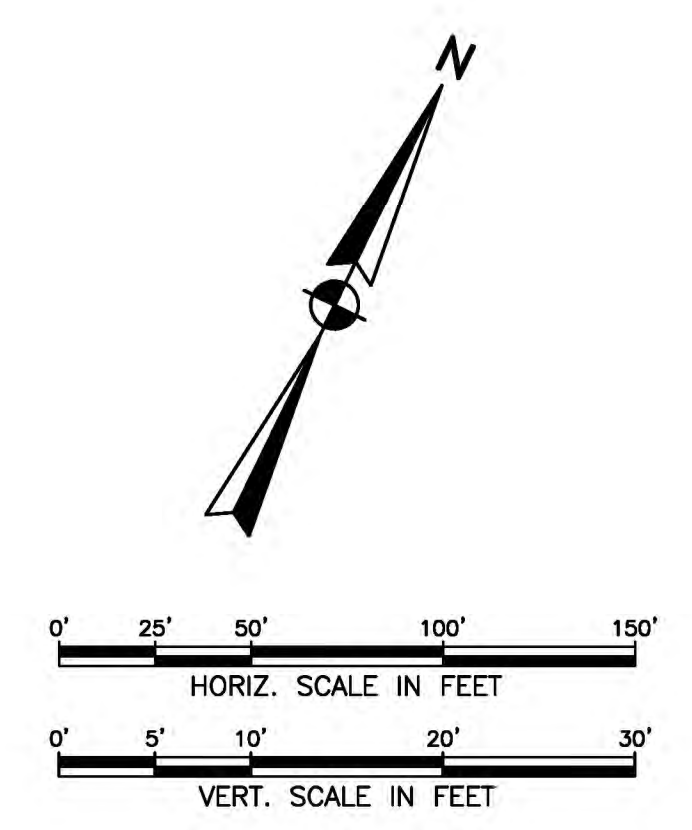
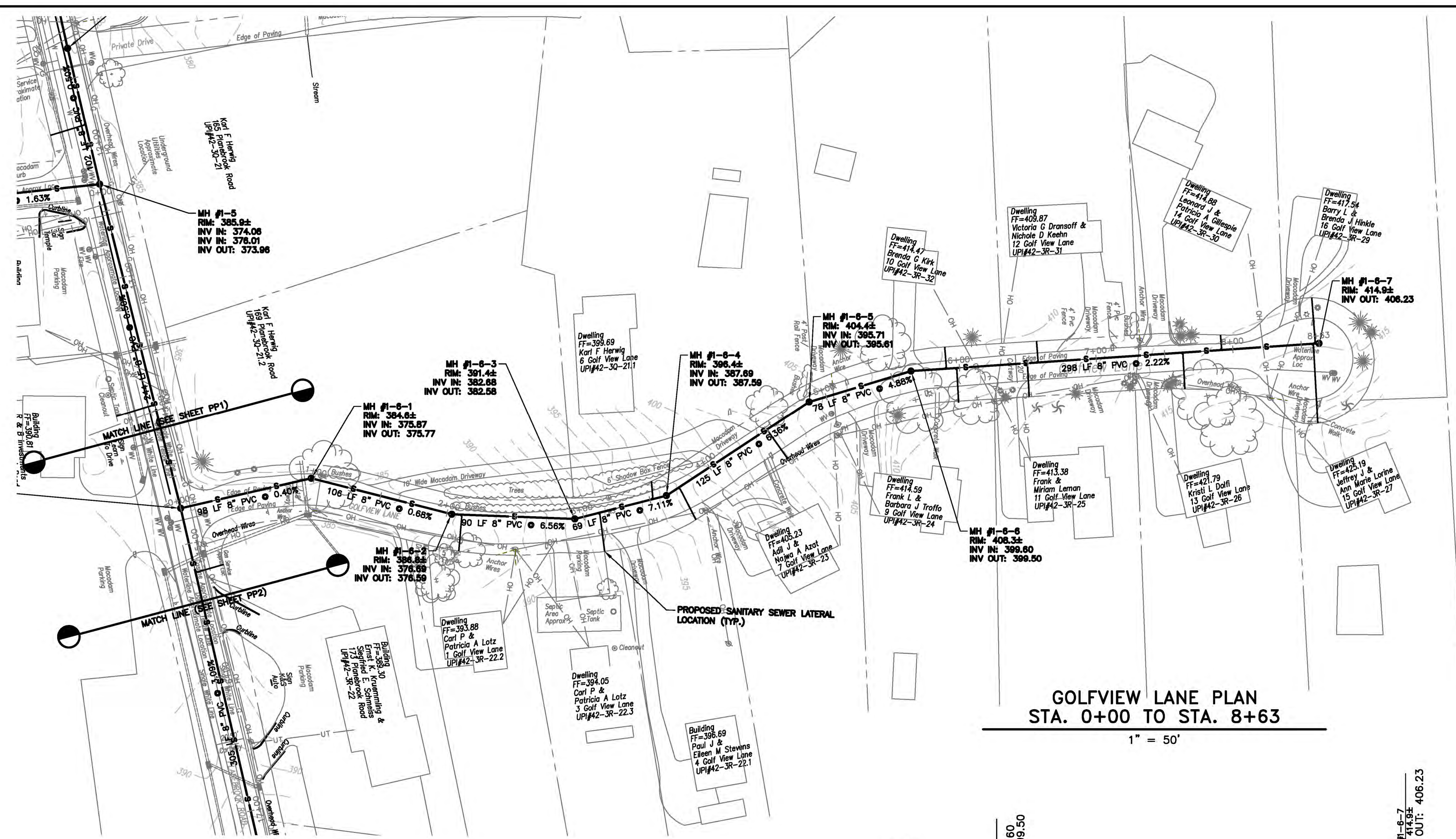
PROSPECT ROAD SPUR PROFILE
 STA. 0+00 TO STA. 1+18
 HORZ. 1" = 50'; VERT. 1" = 10'

PROSPECT ROAD PLAN
 STA. 0+00 TO STA. 11+22
 1" = 50'



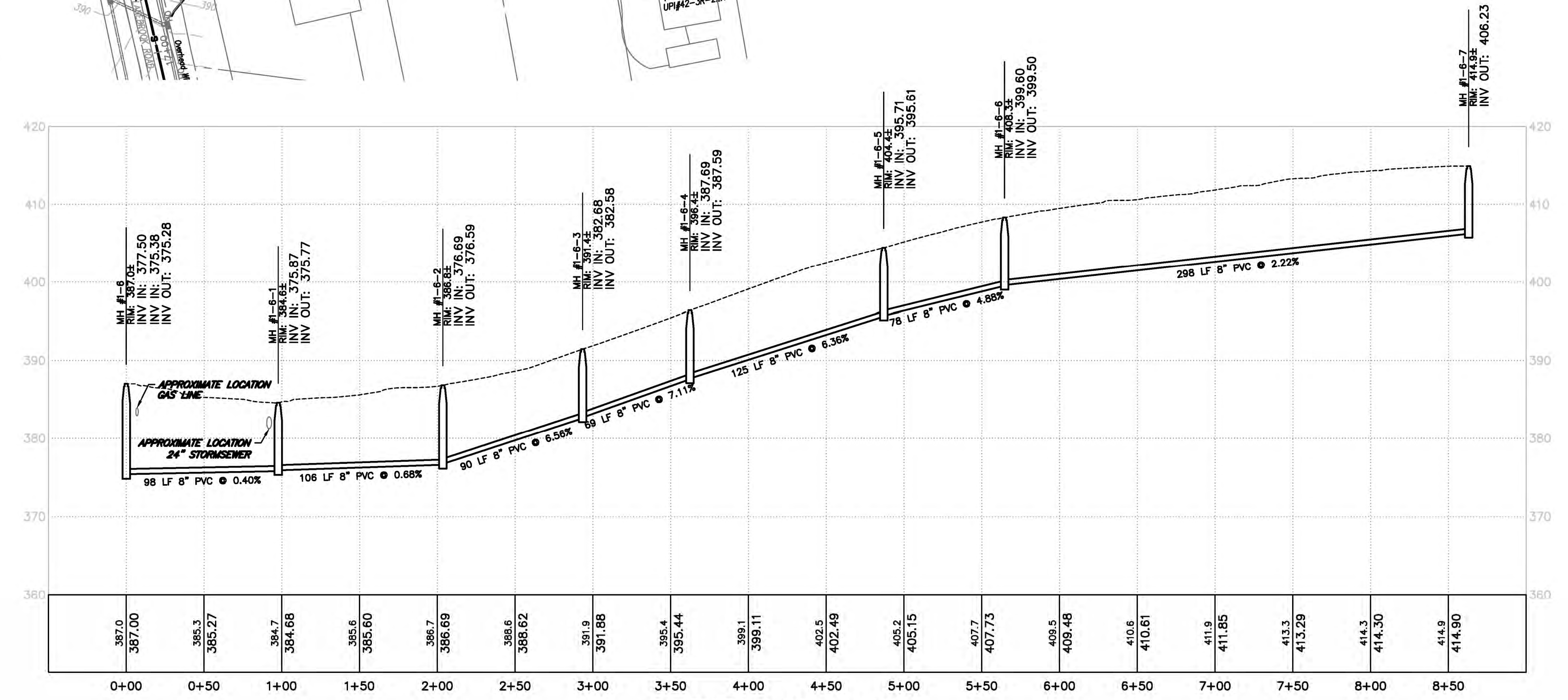
PROSPECT ROAD PROFILE
 STA. 0+00 TO STA. 11+22
 HORZ. 1" = 50'; VERT. 1" = 10'

NO		REVISION	DATE	BY	APP.	JOHN A. MOTT, P.E.		SEAL	SEAL	CLIENT & PROJECT	TITLE	SCALE	DWG. NO.
		1				DESIGN	RELEASED BY			EAST WHITELAND TOWNSHIP 209 CONESTOGA ROAD FRAZER, CHESTER COUNTY, PENNSYLVANIA PLANE BROOK ROAD AREA SANITARY SEWERS EAST WHITELAND TOWNSHIP	PROSPECT AVENUE SANITARY SEWERS PLAN/PROFILE PLAN 4	1" = 50'	PP4
		0			DRK	CHECKED BY							
		A			DATE	SURVEY DATE							
					REVISION	FIELD BOOK							
							1/23/2020			PROJECT NO.	SHEET NO.	REV.	
										10310.36	7 OF 19	A	



GOLFVIEW LANE PLAN
STA. 0+00 TO STA. 8+63

1" = 50'



GOLFVIEW LANE PROFILE
STA. 0+00 TO STA. 8+63

HORZ. 1" = 50'; VERT. 1" = 10'

NO	REVISION	DATE	BY	APP.
1	ISSUED FOR CONSTRUCTION			
0	ISSUED FOR BID			
A	ISSUED FOR CLIENT REVIEW	1/23/20	DK	JM

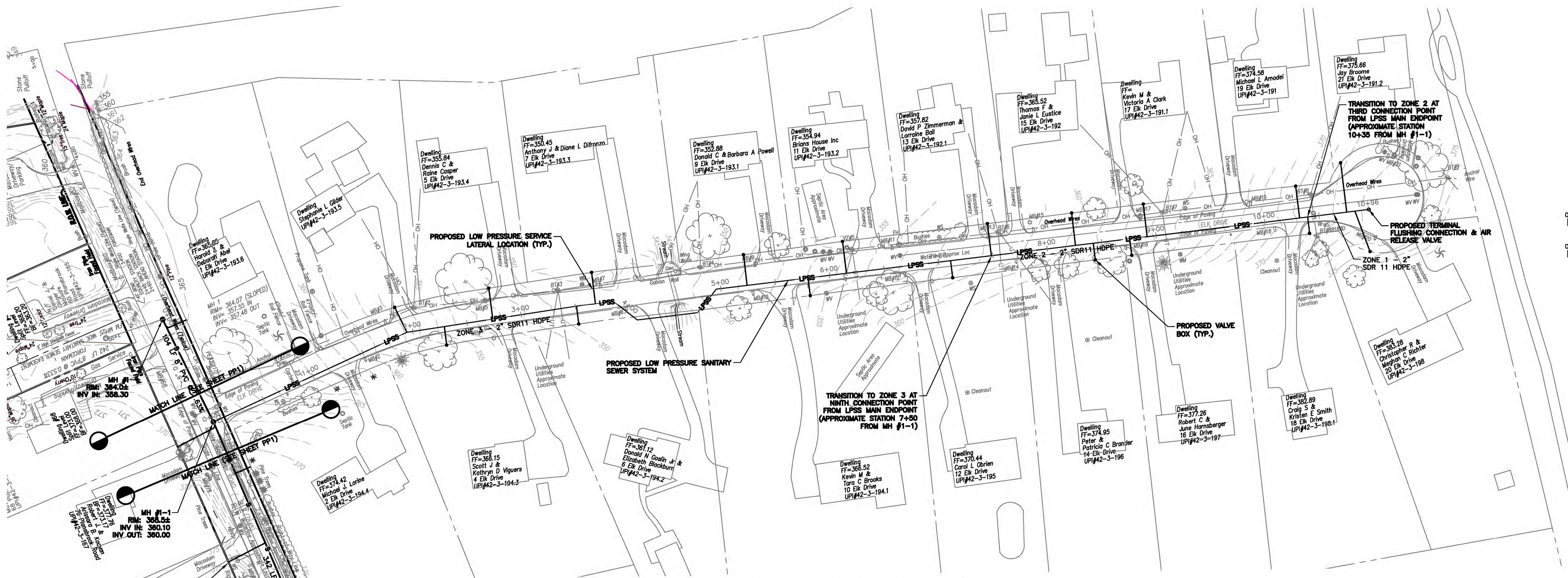
JOHN A. MOTT, P.E.	
RELEASED BY	
DESIGN	CHECKED
DRK	JM
DRAWN	CHECKED
DRK	JM
DATE	SURVEY DATE
1/23/2020	
	FIELD BOOK

SEAL	
SEAL	

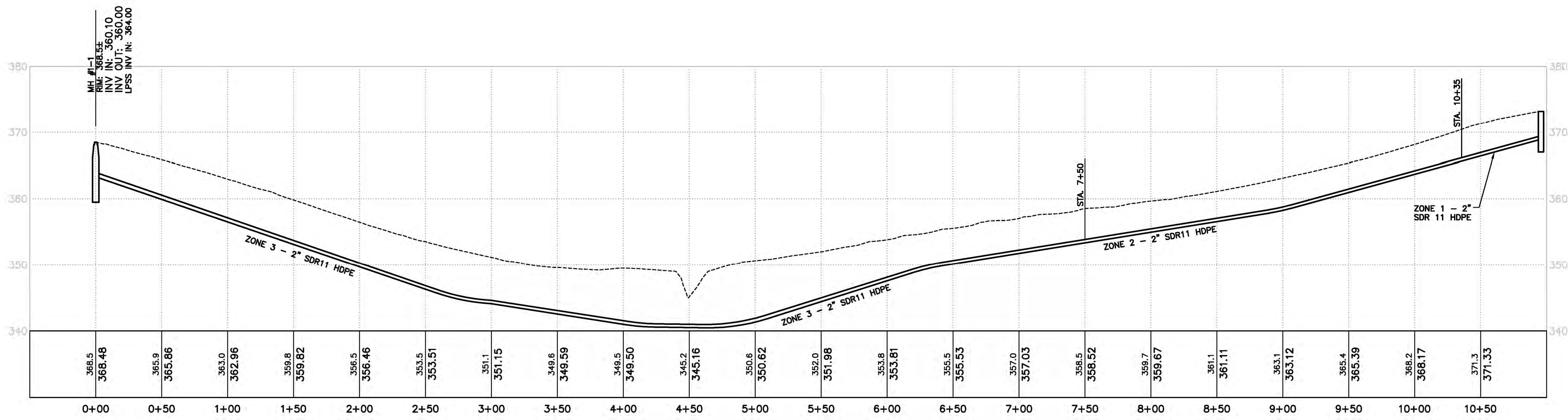
CLIENT & PROJECT
EAST WHITELAND TOWNSHIP
209 CONESTOGA ROAD
FRAZER, CHESTER COUNTY, PENNSYLVANIA
PLANE BROOK ROAD AREA
SANITARY SEWERS
EAST WHITELAND TOWNSHIP

Building 100, Suite 100-B
1450 E. Boot Road
West Chester, Pennsylvania 19380
Tel 484.999.6150


TITLE GOLFVIEW LANE SANITARY SEWERS PLAN/PROFILE PLAN 5		
SCALE	1" = 50'	DWG. NO. PP5
PROJECT NO. 10310.36	SHEET NO. 8 OF 19	REV. A

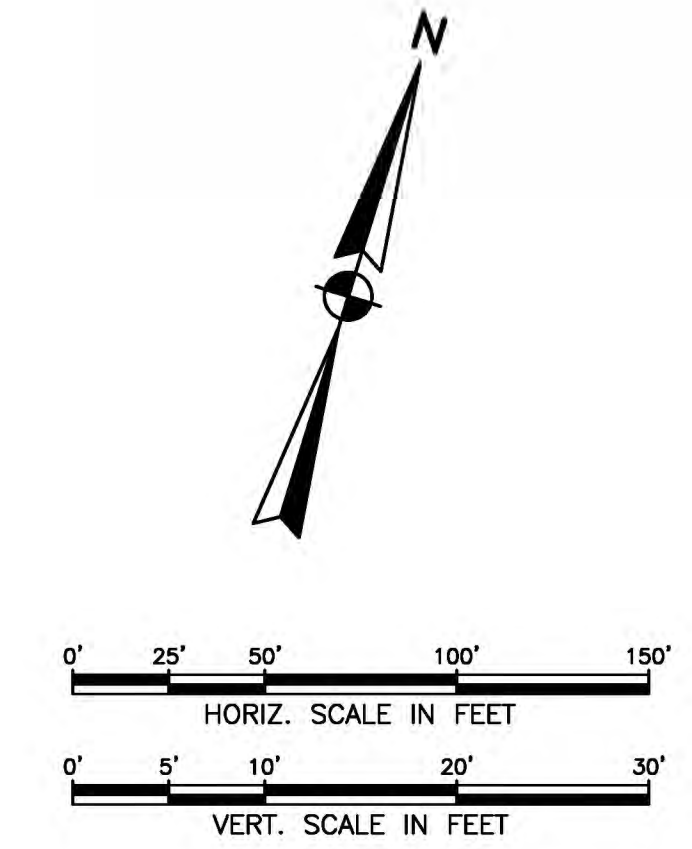
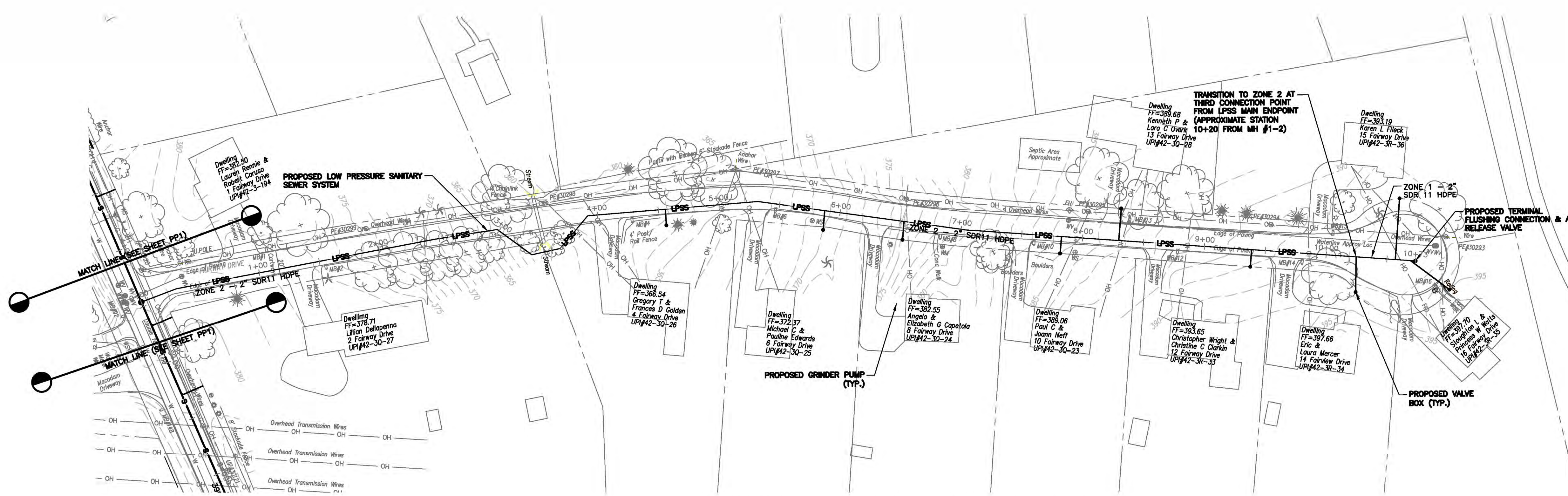


ELK DRIVE – LOW PRESSURE SEWER PLAN
 STA. 0+00 TO STA. 10+96
 1" = 50'



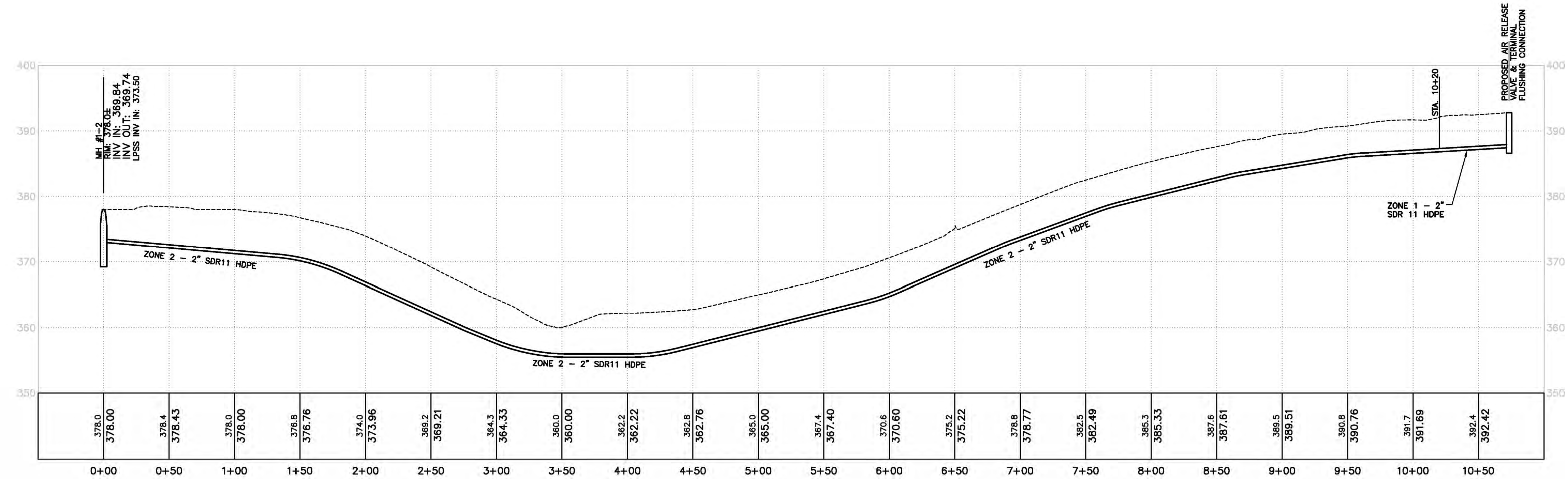
ELK DRIVE – LOW PRESSURE SEWER PROFILE
 STA. 0+00 TO STA. 10+96
 HORZ. 1" = 50'; VERT. 1" = 10'

				JOHN A. MOTT, P.E.		SEAL	SEAL	CLIENT & PROJECT		 Building 100, Suite 100-B 1450 E. Boot Road West Chester, Pennsylvania 19380 Tel 484.999.6150	TITLE		ELK DRIVE LOW PRESSURE SEWER PLAN/PROFILE PLAN 6		
				RELEASED BY				EAST WHITELAND TOWNSHIP 209 CONESTOGA ROAD FRAZER, CHESTER COUNTY, PENNSYLVANIA			SCALE	1" = 50'		DWG. NO.	PP6
				DESIGN		DRK	CHECKED	PLANE BROOK ROAD AREA SANITARY SEWERS EAST WHITELAND TOWNSHIP		PROJECT NO.	10310.36	SHEET NO.	9 OF 19	REV.	A
				DRAWN		DRK	JM								
				DATE		1/23/2020	JM								
				SURVEY DATE											
				FIELD BOOK											
NO	REVISION	DATE	BY	APP.	NO	REVISION	DATE	BY	APP.						



FAIRWAY DRIVE – LOW PRESSURE SEWER PLAN
STA. 0+00 TO STA. 10+73

1" = 50'



FAIRWAY DRIVE – LOW PRESSURE SEWER PROFILE
STA. 0+00 TO STA. 10+73

HORIZ. 1" = 50'; VERT. 1" = 10'

				JOHN A. MOTT, P.E. RELEASED BY DESIGN DRK CHECKED JM DRAWN DRK CHECKED JM DATE 1/23/2020 SURVEY DATE FIELD BOOK				SEAL SEAL		CLIENT & PROJECT EAST WHITELAND TOWNSHIP 209 CONESTOGA ROAD FRAZER, CHESTER COUNTY, PENNSYLVANIA PLANEBROOK ROAD AREA SANITARY SEWERS EAST WHITELAND TOWNSHIP		Building 100, Suite 100-B 1450 E. Boot Road West Chester, Pennsylvania 19380 Tel 484.999.6150		TITLE FAIRWAY DRIVE LOW PRESSURES SEWERS PLAN/PROFILE PLAN 7		SCALE 1" = 50'		DWG. NO. PP7	
NO REVISION DATE BY APP. NO				REVISION DATE BY APP. NO				PROJECT NO. 10310.36		SHEET NO. 10 OF 19		REV. A							

Exhibit D

East Whiteland Township Component 3, Section K

9. ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project, address these additional items in terms of any project impacts and measures to avoid or mitigate same.
- Cost Effectiveness
 - Air quality
 - Floodplains
 - Wild and scenic rivers
 - Coastal zone management
 - Socio-economic impacts
 - Water supplies
 - Other environmentally sensitive areas

J. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section J of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section J of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section J of the instructions.

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 29,245 gpd
2. Total Sewage Flows to Facilities
 - a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
 - b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
 - c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection	29425	110344	0	0	29425	110344
Conveyance	151325	567469	68,000	255,000	74,000	277,500
Treatment	0	0	0	0	0	0

lanebrook road PS

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.

b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

c. Collection System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent William Steele

Agent Signature William A. Steele

Date 2-11-2020

d. Conveyance System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent William Steele

Agent Signature William A. Steele

Date 2-11-2020

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.

b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality Valley Forge Sewer Authority

Name of Responsible Agent _____

Agent Signature _____

Date _____

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

Exhibit E

Tredyffrin Township Component 3, Section K



SEWAGE FACILITIES PLANNING MODULE FOR MINOR ACT 537 UPDATE REVISION

Component 3m. Municipal or Authority Sponsored Minor Sewage Collection Project

(Return completed module package to appropriate municipality)

DEP USE ONLY

DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #

This document provides a simplified planning format for municipalities and municipal authorities proposing the construction of a sewer extension primarily serving existing development. Typically, this format would be used for projects involving the extension of sewer service to no more than 100 equivalent dwelling units (EDUs) and where the majority of the project serves existing development. For projects where more than 50 percent of the proposed customers will result from new land development, a Component 3 Sewage Facilities Planning Module would typically be used. For larger projects or if the project would involve the construction or modification of a wastewater treatment facility, then a general Act 537 Update Revision, meeting all of the requirements of Title 25 Pennsylvania Code, Chapter 71 § 71.21, is appropriate.

DEP staff will make a final determination as to the appropriate type of planning for a given project based on the review of a plan of study. Eligibility for a grant to offset the cost of planning will be determined by DEP staff based upon review of a *Task/Activity Report* (3800-FM-BPNPSM0005). The project sponsor submits both documents. **DO NOT** use this form without coordinating with your local DEP staff. Refer to the instructions.

This planning document, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name

East Whiteland Township; Planebrook Road Area Sanitary Sewer Extension

2. Brief Project Description

Extend public sewer service to existing properties located along, adjacent to, and near Planebrook Road.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
East Whiteland Township	Chester	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact - Last Name	First Name	MI	Suffix	Title
Steele	William			Director of Public Works
Additional Individual - Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1		Mailing Address Line 2		
209 Conestoga Road				
Address Last Line - City		State	ZIP+4	
Frazier		PA	19355	
Phone + Ext.	FAX (optional)	Email (optional)		
610-948-0600		wsteele@eastwhiteland.org		

C. SITE INFORMATION (See Section C of instructions)

Site Name

Planebrook Road Area

Site Location Line 1

Immediately North of the Intersection of Planebrook Road and Lincoln Highway

Site Location Line 2

Site Location Last Line - City	State	ZIP+4	Latitude	Longitude
Malvern	PA	19355	40.04 Deg.	-75.57 Deg.

Detailed Written Directions to Site

State Route 202 South to the Exit for Rt. 30 E. Business.; Follow Rt. 30 E. Business to the intersection with Planebrook Road. Make a left on to Planebrook Road and this will take you to the planning area.

Description of Site

Primarily existing residential and some commercial properties.

Site Contact - Last Name	First Name	MI	Suffix	Phone	Ext.
Steele	William			(610)948-0600	

Site Contact Title	Site Contact Firm (if none, leave blank)
Director of Public Works	East Whiteland Township

FAX	Email
	wsteele@eastwhiteland.org

Mailing Address Line 1	Mailing Address Line 2
209 Conestoga Road	

Mailing Address Last Line - City	State	ZIP+4
Frazier	PA	19355

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name	First Name	MI	Suffix
Bohner	William	L	Jr.

Title	Consulting Firm Name
Project Engineer	ARRO Consulting, Inc.

Mailing Address Line 1	Mailing Address Line 2
350 West Main Street	Suite 200

Address Last Line - City	State	ZIP+4	Country
Trappe	PA	19426	USA

Email	Phone	Ext.	FAX
bill.bohner@thearrogroup.com	610.495.2102		610.495.5855

E. AVAILABILITY OF DRINKING WATER SUPPLY (See Section E of instructions)

The project will be provided with drinking water from the following source: (Check appropriate box)

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: Aqua PA

F. PROJECT NARRATIVE (See Section F of instructions)

- A narrative has been prepared as described in Section E of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section E of the instructions.

G. SEWAGE DISPOSAL NEEDS IDENTIFICATION (See Section G of instructions)

Conduct sanitary and water supply surveys per DEP's publication entitled *Sewage Disposal Needs Identification*. This is highly recommended for all projects. It is required if PENNVEST funding is to be sought for the project, or if required by DEP as indicated by the checked box opposite this item.

H. EXISTING WASTEWATER FACILITIES (See Section H of instructions)

1. **COLLECTION SYSTEM**

Provide requested information concerning the existing treatment facility.

- a. Name of existing collection system East Whiteland Twp. System

Clean Streams Law Permit Number 1515402

- b. Name of interceptor Whiteland Village Sewer Extension/Interceptor

Clean Streams Law Permit Number 1515402

2. **WASTEWATER TREATMENT FACILITY**

Provide requested information concerning the existing treatment facility.

Name of existing facility Valley Forge Sewer Authority WWTP

NPDES Permit Number for existing facility 43974

I. PROPOSED WASTEWATER FACILITIES (See Section I of instructions)

1. Provide an estimate of the immediate and five year projected flow from the proposed sewer extension. Address the capacity for this flow in the existing conveyance and treatment facilities in terms of the most recent wasteload management annual report for these facilities.

2. **PLOT PLAN**

The following information is to be submitted on a plot plan or map of the proposed project that clearly reflects the relationship between the proposed facilities and the identified features.

- | | |
|--|--|
| a. Existing and proposed buildings. | h. Existing and proposed streets, roadways, access roads, etc. |
| b. Lot lines and lot sizes. | i. Any designated recreational or open space area |
| c. Adjacent lots. | j. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping. |
| d. Existing and proposed sewerage facilities. | k. Flood plains or Floodprone area soils, floodways, watercourses, water bodies (from Federal Flood Insurance Mapping) |
| e. Show tap-in or sewer extension to the point of connection to existing collection system. | l. Prime Agricultural Land. |
| f. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.) | m. Any other facilities (pipelines, power lines, etc.) |
| g. Existing and proposed rights-of-way. | n. Orientation to north. |

I. PROPOSED WASTEWATER FACILITIES (continued)

3. WETLAND PROTECTION

YES NO

- a. Are there wetlands in the project area? If yes, indicate these areas on the plot plan as shown in the mapping or through on-site delineation.
- b. Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on HQ or EV streams and address impacts of the permitting requirements of said encroachments on the project.

4. PRIMARY AGRICULTURAL LAND PROTECTION

- a. Will your project involve the disturbance of any prime agricultural lands? If "yes" indicate any alternatives to this disturbance that were considered and the reasons they were not deemed feasible. Identify any primary or secondary impacts of the project on the Commonwealth's prime agricultural lands. Evaluate alternatives to avoid or mitigate undesirable impacts. The selected sewage facilities plan must be consistent with local measures in place to protect prime agricultural lands.

5. STORMWATER MANAGEMENT IMPACTS:

- a. Will the project impact an area covered by a DEP approved County Stormwater Management Plan? If yes show that the proposed facilities are consistent with that plan.

6. PENNSYLVANIA NATURAL DIVERSITY INDEX (PNDI) CONSISTENCY:

Check one:

- The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.
- A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at www.naturalheritage.state.pa.us, and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdiction agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials WLB

7. COMPREHENSIVE PLAN CONSISTENCY:

- A narrative and mapping to show that the proposed project is consistent with any comprehensive plan developed under the Pennsylvania Municipalities Planning Code (Act 247) is attached. Document that the proposed project is consistent with land use and all other requirements stated in the comprehensive plan.

8. COOPERATION WITH PA. HISTORICAL AND MUSEUM COMMISSION (PHMC):

- A copy of DEP's "Cultural Resource Notice" and map which were sent to the Commission and a copy of the Commission's response are attached. Note that the Commission may require archeological surveys if federal funds, including PENNVEST, will be used in the project. If PENNVEST funds are to be used, DEP cannot recommend the project to PENNVEST for consideration until any required surveys have been done and the project has been "cleared" by the Commission.

9. ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project, address these additional items in terms of any project impacts and measures to avoid or mitigate same.
- Cost Effectiveness
 - Air quality
 - Floodplains
 - Wild and scenic rivers
 - Coastal zone management
 - Socio-economic impacts
 - Water supplies
 - Other environmentally sensitive areas

J. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section J of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section J of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section J of the instructions.

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 29425 gpd
2. Total Sewage Flows to Facilities
 - a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
 - b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
 - c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.

- b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

- c. Collection System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent William Steele

Agent Signature _____

Date _____

- d. Conveyance System Sign Here

Name of Agency, Authority, Municipality Tredyffrin Township

Name of Responsible Agent _____

Agent Signature _____

Date _____

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

- 4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

- a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.
- b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

- c. Name of Agency, Authority, Municipality Valley Forge Sewer Authority

Name of Responsible Agent _____

Agent Signature _____

Date _____

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

- An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

M. PROJECT COST AND FUNDING ANALYSIS (See Section M of instructions)

- A detailed cost estimate and present worth analysis for the project is attached. Provide a financing plan for the project, identifying the funding source(s) and identifying estimated tap fees and user rates. For projects proposing the use of PENNVEST funds, see Section I. 9. **ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS**. Complete the following table:

Cost and Funding Information (Estimated)	
COST	
Construction cost	\$
Administrative, legal, engineering cost	\$
Total project cost	\$
Annual O/M cost	\$
FUNDING	
Tap-in fees (\$ per EDU X no. EDUs)	\$
Proceeds from primary funding source	\$
Proceeds from other funding sources	\$
USER COSTS	
Initial user base	EDUs
Monthly debt service per EDU	\$
Monthly O/M cost per EDU	\$
Total estimated monthly user cost per EDU	\$

N. PROJECT IMPLEMENTATION SCHEDULE (See Section N of instructions)

- A project implementation schedule showing milestone dates for submission of DEP permit applications, initiation and completion of construction and any other milestones significant to this particular project is attached to this component

O. PUBLIC NOTIFICATION REQUIREMENT (See Section O of instructions)

- Attached is a copy of the public notice. All comments received as a result of the notice are attached.
- Municipal response to these comments is attached.
- No comments were received. A copy of the public notice is attached.

P. ADDITIONAL CHAPTER 71 PLANNING ELEMENTS (See Section P of instructions)

a. Additional planning elements are required by DEP.

- _____
- _____
- _____
- _____
- _____

Q. PLANNING AGENCY REVIEW (See Section Q of instructions)

- Local Planning Commission comments or Component 4a are attached.
- County, Area, Or Region Planning Commission comments or Component 4b are attached.
- County or Joint County Health Department comments (if appropriate) or Component 4c are attached.

R. RESOLUTION OF ADOPTION (See Section R of instructions)

- An original, signed, and sealed Resolution of Adoption is attached.
-

Exhibit F

Valley Forge Sewer Authority Component 3 Section K



January 16, 2020

Martin Goldberg, P.E.
Valley Forge Sewer Authority
333 Pawling Road
Phoenixville, PA 19460

Trappe Office
350 West Main Street, Suite 200
Trappe, PA 19426
T 610.495.0303

RE: East Whiteland Township
Planebrook Road Area
Act 537 Component 3m Planning Module
Conveyance Capacity
ARRO #10310.21

Dear Mr. Goldberg:

On behalf of East Whiteland Township (Township), we are submitting a copy of the enclosed Component 3m Planning Module. The Township is preparing this module to address the planning needs for the extension of sanitary sewer service to existing properties in the Planebrook Road area of the Township located immediately south of the point where Route 202 crosses over Planebrook Road. The planned average daily wastewater flow from this area is projected to be 29,425 gpd (110,344 gpd Peak).

The wastewater will ultimately be conveyed to East Whiteland Township's Mill Lane Pump Station and discharged from that pump station via the existing force main to the gravity system. It will then proceed to discharge to Tredyffrin Township at their Matthews Road Flow Meter. It is important to note that the capacity of the pumps at the Mill Lane Pump Station shall remain the same. No upgrades are needed to accommodate the proposed flow from the Planebrook Road area.

Please review this planning module component as it relates to available treatment capacity at the VFSA Wastewater Treatment Plant. If there are no capacity concerns, please complete the Table in Section J for 'Treatment', sign the module at the noted location and return it to my attention.

If you have any questions or concerns, please contact me at 610.495.2102 or email me at bill.bohner@arroconsulting.com. Thank you for your assistance with the review of this planning document.

Sincerely,

William L. Bohner, Jr., P.E.

WLB:car

Enclosure

c: William Steele – East Whiteland Township (w/o enclosure)
John Mott, P.E. – ARRO (w/o enclosure)



Code No.

SEWAGE FACILITIES PLANNING MODULE FOR MINOR ACT 537 UPDATE REVISION

Component 3m. Municipal or Authority Sponsored Minor Sewage Collection Project (Return completed module package to appropriate municipality)

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #

This document provides a simplified planning format for municipalities and municipal authorities proposing the construction of a sewer extension primarily serving existing development. Typically, this format would be used for projects involving the extension of sewer service to no more than 100 equivalent dwelling units (EDUs) and where the majority of the project serves existing development. For projects where more than 50 percent of the proposed customers will result from new land development, a Component 3 Sewage Facilities Planning Module would typically be used. For larger projects or if the project would involve the construction or modification of a wastewater treatment facility, then a general Act 537 Update Revision, meeting all of the requirements of Title 25 Pennsylvania Code, Chapter 71 § 71.21, is appropriate.

DEP staff will make a final determination as to the appropriate type of planning for a given project based on the review of a plan of study. Eligibility for a grant to offset the cost of planning will be determined by DEP staff based upon review of a *Task/Activity Report* (3800-FM-BPNPSM0005). The project sponsor submits both documents. **DO NOT** use this form without coordinating with your local DEP staff. Refer to the instructions.

This planning document, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name

East Whiteland Township; Planebrook Road Area Sanitary Sewer Extension

2. Brief Project Description

Extend public sewer service to existing properties located along, adjacent to, and near Planebrook Road.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
East Whiteland Township	Chester	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact - Last Name	First Name	MI	Suffix	Title
Steele	William			Director of Public Works
Additional Individual - Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1		Mailing Address Line 2		
209 Conestoga Road				
Address Last Line - City		State	ZIP+4	
Frazier		PA	19355	
Phone + Ext.	FAX (optional)	Email (optional)		
610-948-0600		wsteele@eastwhiteland.org		

C. SITE INFORMATION (See Section C of instructions)

Site Name Planebrook Road Area				
Site Location Line 1 Immediately North of the Intersection of Planebrook Road and Lincoln Highway		Site Location Line 2		
Site Location Last Line - City Malvern	State PA	ZIP+4 19355	Latitude 40.04 Deg.	Longitude -75.57 Deg.
Detailed Written Directions to Site State Route 202 South to the Exit for Rt. 30 E. Business.; Follow Rt. 30 E. Business to the intersection with Planebrook Road. Make a left on to Planebrook Road and this will take you to the planning area.				
Description of Site Primarily existing residential and some commercial properties.				
Site Contact - Last Name Steele	First Name William	MI	Suffix	Phone (610)948-0600
Site Contact Title Director of Public Works		Site Contact Firm (if none, leave blank) East Whiteland Township		
FAX	Email wsteele@eastwhiteland.org			
Mailing Address Line 1 209 Conestoga Road		Mailing Address Line 2		
Mailing Address Last Line - City Frazier		State PA	ZIP+4 19355	

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name Bohner	First Name William	MI L	Suffix Jr.	
Title Project Engineer	Consulting Firm Name ARRO Consulting, Inc.			
Mailing Address Line 1 350 West Main Street		Mailing Address Line 2 Suite 200		
Address Last Line - City Trappe	State PA	ZIP+4 19426	Country USA	
Email bill.bohner@thearrogroup.com	Phone 610.495.2102	Ext.	FAX 610.495.5855	

E. AVAILABILITY OF DRINKING WATER SUPPLY (See Section E of instructions)

The project will be provided with drinking water from the following source: (Check appropriate box)

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: Agua PA

F. PROJECT NARRATIVE (See Section F of instructions)

- A narrative has been prepared as described in Section E of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section E of the instructions.

G. SEWAGE DISPOSAL NEEDS IDENTIFICATION (See Section G of instructions)

Conduct sanitary and water supply surveys per DEP's publication entitled *Sewage Disposal Needs Identification*. This is highly recommended for all projects. It is required if PENNVEST funding is to be sought for the project, or if required by DEP as indicated by the checked box opposite this item.

H. EXISTING WASTEWATER FACILITIES (See Section H of instructions)

1. COLLECTION SYSTEM

Provide requested information concerning the existing treatment facility.

- a. Name of existing collection system East Whiteland Twp. System

Clean Streams Law Permit Number 1515402

- b. Name of interceptor Whiteland Village Sewer Extension/Interceptor

Clean Streams Law Permit Number 1515402

2. WASTEWATER TREATMENT FACILITY

Provide requested information concerning the existing treatment facility.

Name of existing facility Valley Forge Sewer Authority WWTP

NPDES Permit Number for existing facility 43974

I. PROPOSED WASTEWATER FACILITIES (See Section I of instructions)

1. Provide an estimate of the immediate and five year projected flow from the proposed sewer extension. Address the capacity for this flow in the existing conveyance and treatment facilities in terms of the most recent wasteload management annual report for these facilities.

2. PLOT PLAN

The following information is to be submitted on a plot plan or map of the proposed project that clearly reflects the relationship between the proposed facilities and the identified features.

- | | |
|--|--|
| a. Existing and proposed buildings. | h. Existing and proposed streets, roadways, access roads, etc. |
| b. Lot lines and lot sizes. | i. Any designated recreational or open space area |
| c. Adjacent lots. | j. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping. |
| d. Existing and proposed sewerage facilities. | k. Flood plains or Floodprone area soils, floodways, watercourses, water bodies (from Federal Flood Insurance Mapping) |
| e. Show tap-in or sewer extension to the point of connection to existing collection system. | l. Prime Agricultural Land. |
| f. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.) | m. Any other facilities (pipelines, power lines, etc.) |
| g. Existing and proposed rights-of-way. | n. Orientation to north. |

I. PROPOSED WASTEWATER FACILITIES (continued)

3. WETLAND PROTECTION

YES NO

- a. Are there wetlands in the project area? If yes, indicate these areas on the plot plan as shown in the mapping or through on-site delineation.
- b. Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on HQ or EV streams and address impacts of the permitting requirements of said encroachments on the project.

4. PRIMARY AGRICULTURAL LAND PROTECTION

- a. Will your project involve the disturbance of any prime agricultural lands? If "yes" indicate any alternatives to this disturbance that were considered and the reasons they were not deemed feasible. Identify any primary or secondary impacts of the project on the Commonwealth's prime agricultural lands. Evaluate alternatives to avoid or mitigate undesirable impacts. The selected sewage facilities plan must be consistent with local measures in place to protect prime agricultural lands.

5. STORMWATER MANAGEMENT IMPACTS:

- a. Will the project impact an area covered by a DEP approved County Stormwater Management Plan? If yes show that the proposed facilities are consistent with that plan.

6. PENNSYLVANIA NATURAL DIVERSITY INDEX (PNDI) CONSISTENCY:

Check one:

- The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.
- A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at www.naturalheritage.state.pa.us, and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdiction agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials WLB

7. COMPREHENSIVE PLAN CONSISTENCY:

- A narrative and mapping to show that the proposed project is consistent with any comprehensive plan developed under the Pennsylvania Municipalities Planning Code (Act 247) is attached. Document that the proposed project is consistent with land use and all other requirements stated in the comprehensive plan.

8. COOPERATION WITH PA. HISTORICAL AND MUSEUM COMMISSION (PHMC):

- A copy of DEP's "Cultural Resource Notice" and map which were sent to the Commission and a copy of the Commission's response are attached. Note that the Commission may require archeological surveys if federal funds, including PENNVEST, will be used in the project. If PENNVEST funds are to be used, DEP cannot recommend the project to PENNVEST for consideration until any required surveys have been done and the project has been "cleared" by the Commission.

9. ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project, address these additional items in terms of any project impacts and measures to avoid or mitigate same.
- Cost Effectiveness
 - Air quality
 - Floodplains
 - Wild and scenic rivers
 - Coastal zone management
 - Socio-economic impacts
 - Water supplies
 - Other environmentally sensitive areas

J. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section J of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section J of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section J of the instructions.

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 29,425 gpd

2. Total Sewage Flows to Facilities

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
- c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance						
Treatment	11.75 MGD	32 MGD	7.512 MGD	13.898 MGD	7.681 MGD	9.212 MGD

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.

b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

c. Collection System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent William Steele

Agent Signature _____

Date _____

d. Conveyance System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent William Steele

Agent Signature _____

Date _____

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.

b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

Sign Here

c. Name of Agency, Authority, Municipality Valley Forge Sewer Authority

Name of Responsible Agent Martin F. Goldberg

Agent Signature Martin F. Goldberg

Date 01/28/20

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

M. PROJECT COST AND FUNDING ANALYSIS (See Section M of instructions)

- A detailed cost estimate and present worth analysis for the project is attached. Provide a financing plan for the project, identifying the funding source(s) and identifying estimated tap fees and user rates. For projects proposing the use of PENNVEST funds, see Section I. 9. **ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS.** Complete the following table:

Cost and Funding Information (Estimated)	
COST	
Construction cost	\$
Administrative, legal, engineering cost	\$
Total project cost	\$
Annual O/M cost	\$
FUNDING	
Tap-in fees (\$ per EDU X no. EDUs)	\$
Proceeds from primary funding source	\$
Proceeds from other funding sources	\$
USER COSTS	
Initial user base	EDUs
Monthly debt service per EDU	\$
Monthly O/M cost per EDU	\$
Total estimated monthly user cost per EDU	\$

N. PROJECT IMPLEMENTATION SCHEDULE (See Section N of instructions)

- A project implementation schedule showing milestone dates for submission of DEP permit applications, initiation and completion of construction and any other milestones significant to this particular project is attached to this component

O. PUBLIC NOTIFICATION REQUIREMENT (See Section O of instructions)

- Attached is a copy of the public notice. All comments received as a result of the notice are attached.
- Municipal response to these comments is attached.
- No comments were received. A copy of the public notice is attached.

P. ADDITIONAL CHAPTER 71 PLANNING ELEMENTS (See Section P of instructions)

a. Additional planning elements are required by DEP.

- _____
- _____
- _____
- _____
- _____

Q. PLANNING AGENCY REVIEW (See Section Q of instructions)

- Local Planning Commission comments or Component 4a are attached.
- County, Area, Or Region Planning Commission comments or Component 4b are attached.
- County or Joint County Health Department comments (if appropriate) or Component 4c are attached.

R. RESOLUTION OF ADOPTION (See Section R of instructions)

- An **original**, **signed**, and **sealed** Resolution of Adoption is attached.
-

Exhibit G

Water Supply Will Serve Letter



September 16, 2016

William L. Bohner Jr
The Arro Group

Re: Water Availability
Frame and Planebrook
East Whiteland Twp, Chester County

In response to your request, this letter will serve as confirmation that the above referenced property is situated within Aqua Pennsylvania Inc. service territory.

Domestic and fire water service is available to this property and will be provided in accordance with Aqua Pennsylvania, Inc. Rules and Regulations. For further details, visit www.aquaamerica.com.

With regard to our capacity for domestic and fire service for this area, flow data information can be obtained upon written request to Ms. Lisa Thomas-Oliva of our Control Center. Ms. Thomas-Oliva can be reached at (610) 645-1067 but requests must be made in writing. Her fax number is (610) 645-1162.

Should you have any further questions or need to request an application for service, contact me at (610) 541-4160 or dlciotti@aquamerica.com.

Regards,

A handwritten signature in cursive script, appearing to read "Deanna L. Ciotti".

Deanna L. Ciotti
Special Services Coordinator-New Business Applications
Aqua Pennsylvania, Inc
700 W Sproul Rd
Springfield, PA 19064
O: 610.541.4160

Exhibit H

Component 4B



INSTRUCTIONS FOR COMPLETING COMPONENT 4B COUNTY PLANNING AGENCY REVIEW (or Planning Agency with Areawide Jurisdiction)

Remove and recycle these instructions prior to mailing component to the approving agency.

Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

Instructions for Completing Planning Agency and/or Health Department Review Component

Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 3, 3s or 3m).

Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.



DEP Code #: _____

**SEWAGE FACILITIES PLANNING MODULE
COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW**

(or Planning Agency with Areawide Jurisdiction)

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning package and one copy of this *Planning Agency Review Component* should be sent to the county planning agency or planning agency with areawide jurisdiction for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name _____
Planebrook Road Area Sanitary Sewer Extension _____

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county planning agency _____
2. Date plan received by planning agency with areawide jurisdiction _____
Agency name _____
3. Date review completed by agency _____

SECTION C. AGENCY REVIEW (See Section C of instructions)

- | Yes | No | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 <i>et seq.</i>)? |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use? |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Does this proposal meet the goals and objectives of the plan?
If no, describe goals and objectives that are not met _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe inconsistency _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?
If no, describe inconsistencies: _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impact _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Will any known historical or archeological resources be impacted by this project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Will any known endangered or threatened species of plant or animal be impacted by the development project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Is there a county or areawide zoning ordinance? |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Does this proposal meet the zoning requirements of the ordinance?
If no, describe inconsistencies _____ |

SECTION C. AGENCY REVIEW (continued)

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input type="checkbox"/>	<input type="checkbox"/>	12. Is there a county or areawide subdivision and land development ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	13. Does this proposal meet the requirements of the ordinance? If no, describe which requirements are not met _____
<input type="checkbox"/>	<input type="checkbox"/>	14. Is this proposal consistent with the municipal Official Sewage Facilities Plan? If no, describe inconsistency _____
<input type="checkbox"/>	<input type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances. If no, describe the inconsistencies _____
<input type="checkbox"/>	<input type="checkbox"/>	17. Does the county have a stormwater management plan as required by the Stormwater Management Act?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, will this project plan require the implementation of storm water management measures?
18. Name, Title and signature of person completing this section:		
Name: _____		
Title: _____		
Signature: _____		
Date: _____		
Name of County or Areawide Planning Agency: _____		
Address: _____		
Telephone Number: _____		

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.

Exhibit I

Component 4A



INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

Remove and recycle these instructions prior to mailing component to the approving agency.

Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

Instructions for Completing Planning Agency and/or Health Department Review Component

Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #: _____

**SEWAGE FACILITIES PLANNING MODULE
COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW**

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the local municipal planning agency for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name
Planebrook Road Area Sanitary Sewer Extension

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by municipal planning agency _____
2. Date review completed by agency _____

SECTION C. AGENCY REVIEW (See Section C of instructions)

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)?
<input type="checkbox"/>	<input type="checkbox"/>	2. Is this proposal consistent with the comprehensive plan for land use? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input type="checkbox"/>	3. Is this proposal consistent with the use, development, and protection of water resources? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input type="checkbox"/>	4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?
<input type="checkbox"/>	<input type="checkbox"/>	5. Does this project propose encroachments, obstructions, or dams that will affect wetlands? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	6. Will any known historical or archaeological resources be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	7. Will any known endangered or threatened species of plant or animal be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	8. Is there a municipal zoning ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	9. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input type="checkbox"/>	10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input type="checkbox"/>	<input type="checkbox"/>	12. Is there a municipal subdivision and land development ordinance?

SECTION C. AGENCY REVIEW (continued)

Yes

No

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Is this proposal consistent with the ordinance?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. Is this plan consistent with the municipal Official Sewage Facilities Plan?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision? |
| <input type="checkbox"/> | <input type="checkbox"/> | If yes, is the proposed waiver consistent with applicable ordinances?
If no, describe the inconsistencies
_____ |

17. Name, title and signature of planning agency staff member completing this section:

Name: _____

Title: _____

Signature: _____

Date: _____

Name of Municipal Planning Agency: _____

Address _____

Telephone Number: _____

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.

Exhibit J

Component 4C



INSTRUCTIONS FOR COMPLETING COMPONENT 4C COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

Remove and recycle these instructions prior to mailing component to the approving agency.

Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

Instructions for Completing Planning Agency and/or Health Department Review Component

Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.



SEWAGE FACILITIES PLANNING MODULE COMPONENT 4C - COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the county or joint county health department for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name

Planebrook Road Area Sanitary Sewer Extension

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county or joint county health department _____
Agency name _____
2. Date review completed by agency _____

SECTION C. AGENCY REVIEW (See Section C of instructions)

Yes No

1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?
If no, what are the inconsistencies? _____
2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____
3. Is there any known groundwater degradation in the area of this proposal?
If yes, describe _____
4. The county or joint county health department recommendation concerning this proposed plan is as follows: _____
5. Name, title and signature of person completing this section:
Name: _____
Title: _____
Signature: _____
Date: _____
Name of County Health Department: _____
Address: _____
Telephone Number: _____

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.

Exhibit K

Public Notice/Proof of Publication/Public Comment

PUBLIC NOTICE

((To be Drafted))

Exhibit L

PNDI/PHMC Correspondence



PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on State and Federal Undertakings

SHPO USE ONLY		Reviewers: <u>msy ED</u>
DATE RECEIVED: <u>1/15/20</u>	DATE DUE: <u>2/19/20</u>	
ER NUMBER: <u>2016-1123-029-C</u>		HRSF: <u> </u>

REV: 06/2018

SECTION A: PROJECT NAME & LOCATION

Is this a new submittal? YES NO OR This is additional information for ER Number:

Project Name Planebrook Road Area Act 537 Planning County Chester Municipality East Whiteland Township
 Project Address Planebrook Road City/State/ Zip Malvern, PA 19355

SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name William L. Bohner, Jr. P.E. Phone (610) 495-2102
 Company ARRO Consulting, Inc. Fax (610) 495-5855
 Street/PO Box 350 West Main Street; Suite 200 Email bill.bohner@thearrogroup.com
 City/State/Zip Trappe, PA 19426

SECTION C: PROJECT DESCRIPTION

This project is located on: Federal property State property Municipal property Private property
 (check all that apply)

List all federal and state agencies and programs providing funds, permits, licenses.	Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project includes (check all that apply): Construction Demolition Rehabilitation Disposition

Total acres of project area: 1.5 Acres Total acres of earth disturbance: 1.5 Acres

Are there any buildings or structures within the project area? Yes No Approximate age of buildings: 30-40 yrs.

Does this project involve properties listed in or eligible for the National Register of Historic Places, or designated as historic by a local government?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Unsure <input type="radio"/>	Name of historic property or historic districts
---	------------------------------	--	---------------------------------	---

Please print and mail completed form and all attachments to:

PHMC
 State Historic Preservation Office
 400 North St.
 Commonwealth Keystone Building, 2nd Floor
 Harrisburg, PA 17120-0093

Attachments – Please include the following information with this form

- Map** – 7.5' USGS quad showing project boundary and Area of Potential Effect
- Description/Scope** – Describe the project, including any ground disturbance and previous land use
- Site Plans/Drawings** – Indicate past and present land use, location and dates of buildings, and proposed improvements
- Photographs** – Attach prints or digital photographs showing the project site, including images of all buildings and structures keyed to a site plan

SHPO DETERMINATION (SHPO USE ONLY)

- | | |
|---|--|
| <input type="checkbox"/> There are NO HISTORIC PROPERTIES in the Area of Potential Effect
<input checked="" type="checkbox"/> The project will have NO EFFECT on historic properties
<input type="checkbox"/> The project will have NO ADVERSE EFFECTS on historic properties: | <input type="checkbox"/> The project will have NO ADVERSE EFFECTS WITH CONDITIONS (see attached)
<input type="checkbox"/> SHPO REQUESTS ADDITIONAL INFORMATION (see attached) |
|---|--|

SHPO REVIEWER: *VB fu* DATE: 2.10.2020
Douglas McKeaven

1. PROJECT INFORMATION

Project Name: **Planebrook Road Area Sanitary Sewer Extension**

Date of Review: **12/31/2019 10:30:27 AM**

Project Category: **Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewage module/Act 537 plan**

Project Area: **11.26 acres**

County(s): **Chester**

Township/Municipality(s): **EAST WHITELAND**

ZIP Code: **19355**

Quadrangle Name(s): **MALVERN**

Watersheds HUC 8: **Schuylkill**

Watersheds HUC 12: **Little Valley Creek-Valley Creek**

Decimal Degrees: **40.037688, -75.572765**

Degrees Minutes Seconds: **40° 2' 15.6780" N, 75° 34' 21.9528" W**

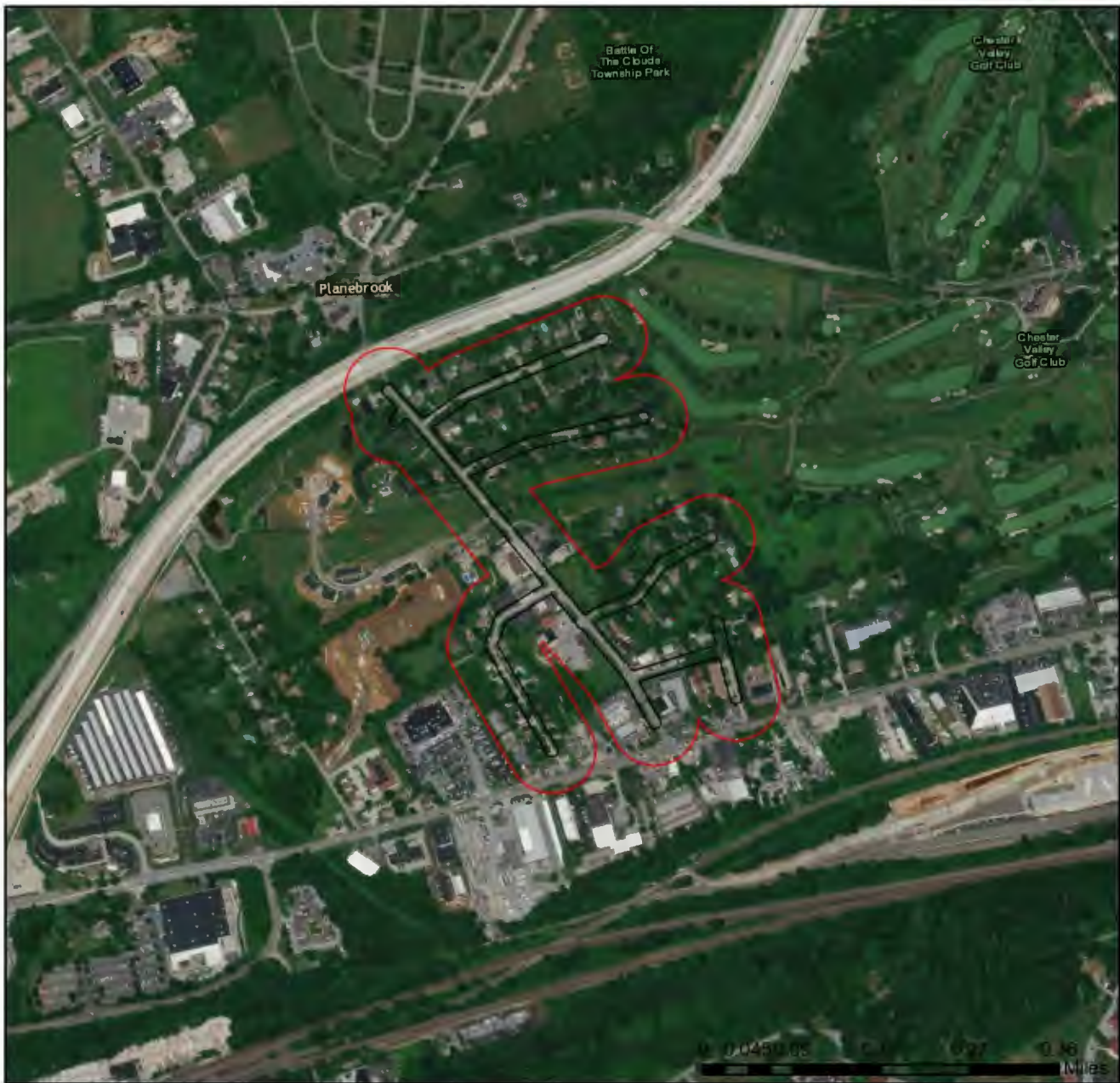
2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Avoidance Measure	See Agency Response

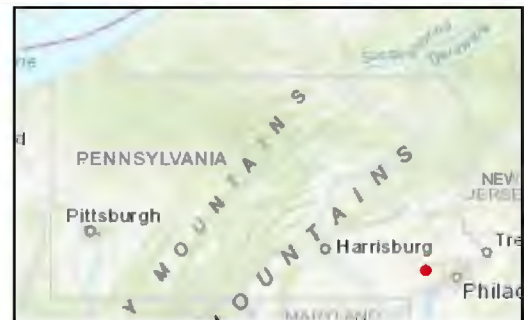
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 must comply with the bog turtle habitat screening requirements of the PASPGP.

Planebrook Road Area Sanitary Sewer Extension

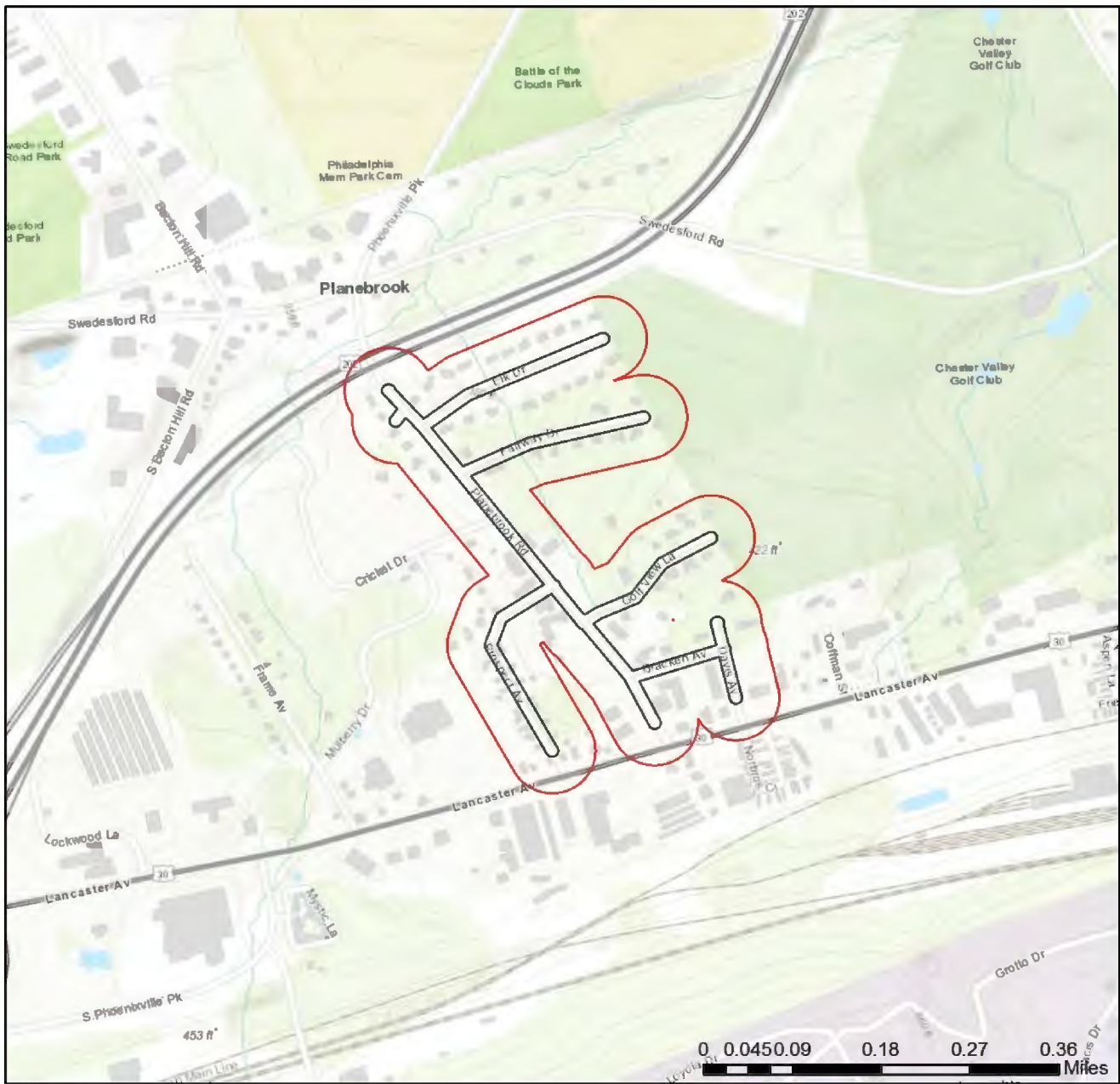


- Project Boundary
- Buffered Project Boundary



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Planebrook Road Area Sanitary Sewer Extension



- Project Boundary
- Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,



RESPONSE TO QUESTION(S) ASKED

Q1: Will this project or any project-related activities require any in-stream work, or a permanent or temporary crossing of a waterway (stream, river, creek, tributary)?

Your answer is: No

Q2: Describe how wastewater (effluent) will be handled (select one). For the purpose of this question, wastewater/effluent does not include stormwater runoff. If the project involves solely the renewal or modification of an existing discharge permit (e.g., NPDES permit), select from options 3, 4, 5, or 6 below.

Your answer is: All wastewater/effluent from this project/activity will be routed to an existing municipal wastewater treatment plant.

Q3: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: The entire project and associated discharge, plus a 300-foot buffer around the project area, all occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, railroad bed, or crop agriculture field.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

Avoidance Measure: Do not conduct this project/activity within 50 feet of any streams, rivers, creeks, or tributaries. This includes both perennial and intermittent waterways.

As the project proponent or applicant, I certify that I will implement the above Avoidance Measure:
_____ (Signature)

SPECIAL NOTE: If you agree to implement the above Avoidance Measure, no further coordination with this agency regarding threatened and endangered species and/or special concern species and resources is required. If you are not able to comply with the Avoidance Measures, you are required to coordinate with this agency - please send project information to this agency for review (see "What to Send" section).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

***Note:** U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: _____
Company/Business Name: _____
Address: _____
City, State, Zip: _____
Phone:(_____) _____ Fax:(_____) _____
Email: _____

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

applicant/project proponent signature

date



PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on State and Federal Undertakings

SHPO USE ONLY		Reviewers: ___/___
DATE RECEIVED:		DATE DUE:
ER NUMBER:		HRSF: _____

REV: 06/2018

SECTION A: PROJECT NAME & LOCATION

Is this a new submittal? YES NO OR This is additional information for ER Number:			
Project Name	County	Municipality	
Project Address	City/State/ Zip		

SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name	Phone
Company	Fax
Street/PO Box	Email
City/State/Zip	

SECTION C: PROJECT DESCRIPTION

This project is located on: (check all that apply)					Federal property	State property	Municipal property	Private property
List all federal and state agencies and programs providing funds, permits, licenses.	Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)					

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project includes (check all that apply):					Construction	Demolition	Rehabilitation	Disposition
Total acres of project area:		Total acres of earth disturbance:						
Are there any buildings or structures within the project area?				Yes	No	Approximate age of buildings:		
Does this project involve properties listed in or eligible for the National Register of Historic Places, or designated as historic by a local government?		Yes	No	Unsure	Name of historic property or historic districts			

Please print and mail completed form and all attachments to: PHMC State Historic Preservation Office 400 North St. Commonwealth Keystone Building, 2 nd Floor Harrisburg, PA 17120-0093	Attachments – Please include the following information with this form			
	Map – 7.5' USGS quad showing project boundary and Area of Potential Effect			
	Description/Scope – Describe the project, including any ground disturbance and previous land use			
	Site Plans/Drawings – Indicate past and present land use, location and dates of buildings, and proposed improvements			
Photographs – Attach prints or digital photographs showing the project site, including images of all buildings and structures keyed to a site plan				

SHPO DETERMINATION (SHPO USE ONLY)

<input type="checkbox"/> There are NO HISTORIC PROPERTIES in the Area of Potential Effect <input type="checkbox"/> The project will have NO EFFECT on historic properties <input type="checkbox"/> The project will have NO ADVERSE EFFECTS on historic properties:	<input type="checkbox"/> The project will have NO ADVERSE EFFECTS WITH CONDITIONS (see attached) <input type="checkbox"/> SHPO REQUESTS ADDITIONAL INFORMATION (see attached)
SHPO REVIEWER: _____ DATE: _____	

Exhibit M

Stormwater Management Narrative

Stormwater Management Impacts

County Stormwater Management Plan

The Chester County Planning Commission currently has a stormwater management plan in place. Most of East Whiteland Township (and all of the planning area for this 537 Plan) is situated in Valley Creek Watershed. The "Valley Creek Watershed Stormwater Management Plan" was approved by PADEP February 2011.

It should be noted that an Act 167 Plan is not a land use plan. Runoff controls developed in the plan are not based upon controlling the location, type, density or rate of development throughout the watersheds. The stormwater runoff performance standards are based on the assumptions that development will occur throughout the watersheds. The plan is designed to provide for new development yet control the associated storm runoff impacts. The most important aspect of an Act 167 (Stormwater Management) Plan is that it establishes a process for decision making...the peak flows and timing relationships provide for development for a runoff control philosophy geared toward minimizing the storm runoff impacts of new development."

This particular stormwater management plan addresses the impacts of stormwater quality and quantity on groundwater and surface water resources, geomorphology, and aquatic habitat of the Valley Creek watershed.

The reason for preparing this Plan is to satisfy the requirements of the Pennsylvania Stormwater Management Act, Act 167 of 1978, and to establish scientifically-based stormwater management implementation strategies that restore and protect the water resources and maintain safe and productive communities.

From a consistency perspective, it appears that the plan to provide public sewer service to the Planebrook Road Planning Area is consistent with the stormwater management plan.

The stormwater ordinance does not regulate the development. It simply regulates how the stormwater will be managed. As a consequence, prior to construction of this project, the appropriate stormwater and E&S measures will be taken. An E&S plan will be submitted to the Chester County Conservation District for review and approval.

Exhibit N

Comprehensive Plan Consistency

Comprehensive Plans

The Chester County Planning Commission (CCPC) Comprehensive Plan, entitled “Landscapes3,” was adopted in November of 2018. The alternatives to provide public sanitary sewer service to accommodate needs areas in the planning area is consistent with the implementation strategy, policies and goals of the current Landscapes3 as shown in the Utilities and Infrastructure section of the plan.

East Whiteland Township adopted their Comprehensive Plan in July 2016. This plan emphasizes the importance of public utilities to Township infrastructure. The Planebrook Road Area is identified in this comprehensive plan as a future public sewer service area.

This Component 3m is consistent with the objectives set forth in Watersheds as well as the Township’s Comprehensive Plan.

Exhibit O

Alternative Analysis

Alternative Analysis

This Act 537 Planning Module (Component 3m) has been prepared for East Whiteland Township (Township) at the request of the Pennsylvania Department of Environmental Protection (PA DEP) in accordance with Act 537 entitled the Pennsylvania Sewage Facilities Act, Title 25, Chapter 71 of the Pennsylvania Code and the Pennsylvania Department of Environmental Protection Act 537 Plan Content and Environmental Assessment Checklist. This planning module addresses the planning requirements necessary for the Township to provide public sanitary sewer service to existing developed properties.

For this planning module, the following pertinent information applies:

1. Project Name: Sanitary Sewer Service Extension.
2. Project Description:
 - Extend public sanitary sewer service from existing sanitary manhole located on Planebrook Road to existing properties located along Planebrook Road, Elk Drive, Fairview Drive, Prospect Avenue, Golfview Circle, Bracken Avenue, and Davis Avenue.
3. Applicant Name: East Whiteland Township
4. Applicant Contact: William Steele; 209 Conestoga Road, Frazer, PA 19355
5. Site Location: Planebrook Road Area
6. Municipality/County: East Whiteland Township/Chester County

The primary focus of the planning module is to establish the means and methods for providing public sewer service to existing properties in the Planebrook Road area south of Route 202.

Flow projections identified in the planning module show the ultimate wastewater flow of 29,425 gpd, which encompasses 107 equivalent dwelling units.

In considering alternatives for this project, there are two primary alternatives:

1. Do nothing and continue to utilize the existing on-lot disposal systems.
2. Provide public sewer service to the identified properties.

Due to the proximity of the existing public sewer, many local residents have expressed interest in the ability to make connection to the public system. Currently, sanitary sewer mains are located adjacent to the planning area, serving the new development on the Cockerham property.

To provide this type of service a connection will need to be made at the existing sanitary manhole located at Planebrook Road. All work shall be within the roadway and existing public right-of-way. The total disturbed area will be approximately 1.5 acres for the proposed sewer main.

Copies of the mailers returned by local residents are included in this section and the text from the Act 537 Planning for the Planebrook Road Regional Pump Station is also included for your reference.

Exhibit P

Institutional Evaluation

Institutional Evaluation

For the proposed sewer extension, the East Whiteland Township will prepare the design. In addition, the Township will obtain all of the necessary permits and pay for the construction of the sewer extension.

The individual property owners shall be responsible for contracting with a plumber and installing their own lateral to connect to the sewer main.

For those properties that will connect to low pressure sewers, the Township will purchase and supply grinder pumps to each property owner that will need one. The Township will not keep any spare grinder pump systems on-hand in the event of a failure.

Property owners will received their pump system, they will have their plumber install and connect to the lateral at the right of way line. Operation and maintenance will be the responsibility of the property owner.

Exhibit Q

Project Implementation Schedule

Implementation Schedule

Initiate Act 537 Sewage Facilities Planning Module	December 2019
Submit to Planning Commissions and Health Dept. for Review	March 2020
Advertise for Public Comment	April/May 2020
Respond to Comments (Public and County)	May 2020
Adopt Resolution	June 2020
Submit Planning Module to PA DEP for review	June 2020
Receive PA DEP Approval	September 2020
Begin Project Implementation	October 2020

Exhibit R

Project Narrative

Project Narrative

This Act 537 Planning Module (Component 3m) has been prepared for East Whiteland Township (Township) at the request of the Pennsylvania Department of Environmental Protection (PA DEP) in accordance with Act 537 entitled the Pennsylvania Sewage Facilities Act, Title 25, Chapter 71 of the Pennsylvania Code and the Pennsylvania Department of Environmental Protection Act 537 Plan Content and Environmental Assessment Checklist. This planning module addresses the planning requirements necessary for the Township to provide public sanitary sewer service to existing developed properties.

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1. Do nothing and continue to utilize the existing on-lot disposal systems.
2. Provide public sewer service to the identified properties.

Due to the proximity of the existing public sewer, local residents have expressed interest in the ability to make connection to the public system. Currently, sanitary sewer mains are located adjacent to the planning area, serving new development recently constructed on the Cockerham property.

To provide this type of service, a connection will need to be made at the existing sanitary manhole located at Planebrook Road. Public Sewer service will be via gravity sewer for Planebrook Road, Prospect Avenue, Golfview Circle, Bracken Avenue, and Davis Avenue. Elk Drive and Fairview Drive will require low-pressure sewer service. Wastewater will ultimately be collected and conveyed by the Planebrook Regional Pump Station to the Whiteland Village Interceptor Extension which has the capacity to handle the proposed peak flow. From this interceptor, flow will be conveyed to the Mill Lane Pump Station. Wastewater will exit East Whiteland Township at the Matthews Road meter.

Exhibit S

Public Interest

PLANE BROOK ROAD AREA SEWER PROJECT RETURNED POSTCARD VOTES

	A	B	C	D
1	NAME & ADDRESSES	RESPONSES	RESPONSES	UNDECIDED
2				
3	PLANE BROOK ROAD			
4				
5	52 PLANE BROOK RD, 42-3-164	YES		
6	84 PLANE BROOK RD, 42-3-168	YES		
7	92 PLANE BROOK RD, 42-3-169	YES		
8	150 PLANE BROOK RD, 42-3-170		NO	
9	113/153 PLANE BROOK RD, 42-3Q-22	YES		
10	173 PLANE BROOK RD, 42-3R-22	YES		
11	176 PLANE BROOK RD, 42-3-178	YES		
12				
13	GOLF VIEW LANE			
14				
15	4 GOLF VIEW LANE, 42-3R-22.1	YES		
16	9 GOLF VIEW LANE, 42-3R-24		NO	
17	10 GOLF VIEW LANE, 42-3R-32		NO	
18	13 GOLF VIEW LANE, 42-3R-26	YES		
19	14 GOLF VIEW LANE, 42-3R-30	YES		
20	15 GOLF VIEW LANE, 42-3R-27	YES		
21	16 GOLF VIEW LANE, 42-3R-29	YES		
22				
23	ELK LANE			
24				
25	3 ELK DR, 42-3-193.5		NO	
26	4 ELK DR, 42-3-194.3	YES		
27	5 ELK DR, 42-3-193.4	YES		
28	6 ELK DR, 42-3-194.2	YES		
29	13 ELK DR, 42-3-192.1	YES		
30	15 ELK DR, 42-3-192		NO	
31	17 ELK DR, 42-3-191.1	YES		
32	18 ELK DR, 42-3-198.1	YES		
33	19 ELK DR. 42-3-191			MAYBE
34	20 ELK DR. 42-3-198		NO	
35	21 ELK DR, 42-3-191.2	YES		
36				
37	FAIRWAY DRIVE			
38				
39	1 FAIRWAY DR, 42-3-194		NO	
40	2 FAIRWAY DR, 42-3Q-27		NO	
41	15 FAIRWAY DR. 42-3R-36	YES		
42				
43	PROSPECT AVE			
44				
45	9 PROSPECT AVE, 42-3Q-17		NO	
46	16 PROSPECT AVE, 42-3Q-5	YES		

PLANE BROOK ROAD AREA SEWER PROJECT RETURNED POSTCARD VOTES

	A	B	C	D
47	19 PROSPECT AVE, 42-3Q-14	YES		
48	23 PROSPECT AVE, 42-3Q-13	YES		
49	26 PROSPECT AVE, 42-3Q-2	YES		
50	27 PROSPECT AVE, 42-3Q-12	YES		
51	41 PROSPECT AVE, 42-3-172	YES		
52	43 PROSPECT AVE, 42-3-173	YES		
53	45 PROSPECT AVE, 42-3-174	YES		
54				
55	DAVIS AVE			
56				
57	24 DAVIS AVE, 42-3R-19		NO	
58	25 DAVIS AVE, 42-3R-18	YES		
59	31 DAVIS AVE, 42-3R-28			MAYBE
60				
61	COFFMAN AVE			
62				
63	10 COFFMAN AVE, 42-3R-15.1	YES		
64	14 COFFMAN AVE, 42-3R-15	YES		
65	37 COFFMAN AVE, 42-3-216.1	YES		
66	45 COFFMAN AVE, 42-3-216.3	YES		
67				
68	BRACKEN AVENUE			
69				
70	36 BRACKEN AVE, 42-3R-20		NO	
71				
72				
73		32	11	2
74				
75	45/84			

**East Whiteland Township
Sewage Facilities Planning Module
(Component 3m)
Swedesford Road
Low Pressure Sewer Extension**

April 2021

P.N. 10310.36

Prepared by:

**ARRO Consulting, Inc.
321 North Furnace Street
Suite 200
Birdsboro, PA 19508**

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Water Supplier Will Serve Letter	Exhibit G
Component 4B	Exhibit H
Component 4A	Exhibit I
Component 4C	Exhibit J
Public Notice/Proof of Publication/Public Comments	Exhibit K
PNDI/PHMC Correspondence	Exhibit L
Stormwater Management Narrative	Exhibit M
Comprehensive Plan Consistency	Exhibit N
Alternative Analysis	Exhibit O
Institutional Evaluation	Exhibit P
Project Implementation Schedule	Exhibit Q
Project Narrative	Exhibit R

Exhibit A

Resolution of Adoption

Exhibit B

Component 3m



SEWAGE FACILITIES PLANNING MODULE FOR MINOR ACT 537 UPDATE REVISION

Component 3m. Municipal or Authority Sponsored Minor Sewage Collection Project

(Return completed module package to appropriate municipality)

DEP USE ONLY

DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #

This document provides a simplified planning format for municipalities and municipal authorities proposing the construction of a sewer extension primarily serving existing development. Typically, this format would be used for projects involving the extension of sewer service to no more than 100 equivalent dwelling units (EDUs) and where the majority of the project serves existing development. For projects where more than 50 percent of the proposed customers will result from new land development, a Component 3 Sewage Facilities Planning Module would typically be used. For larger projects or if the project would involve the construction or modification of a wastewater treatment facility, then a general Act 537 Update Revision, meeting all of the requirements of Title 25 Pennsylvania Code, Chapter 71 § 71.21, is appropriate.

DEP staff will make a final determination as to the appropriate type of planning for a given project based on the review of a plan of study. Eligibility for a grant to offset the cost of planning will be determined by DEP staff based upon review of a *Task/Activity Report* (3800-FM-BPNPSM0005). The project sponsor submits both documents. **DO NOT** use this form without coordinating with your local DEP staff. Refer to the instructions.

This planning document, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name

East Whiteland Township; Swedesford Road Low Pressure Sewer Extension

2. Brief Project Description

Extend low pressure sewer service to properties on Swedesford Road.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
East Whiteland Township	Chester	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact - Last Name	First Name	MI	Suffix	Title
Neild	John			Director of Public Works
Additional Individual - Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1		Mailing Address Line 2		
209 Conestoga Road				
Address Last Line - City		State	ZIP+4	
Frazer		PA	19355	
Phone + Ext.	FAX (optional)	Email (optional)		
610-948-0600		jneild@eastwhiteland.org		

C. SITE INFORMATION (See Section C of instructions)

Site Name

Swedesford Road (Low Pressure Sewer Extension)

Site Location Line 1

Site Location Line 2

Immediately North of Rt. 202 and near the Intersection of
Planebrook Road and Swedesford Road

Site Location Last Line - City

State

ZIP+4

Latitude

Longitude

Malvern

PA

19355

Detailed Written Directions to Site

State Route 202 South to the Exit for Rt. 30 E. Business.; Follow Rt. 30 E. Business to the intersection with Planebrook Road. Make a left on to Planebrook Road and follow it to the intersection with Swedesford Road.

Description of Site

Primarily existing residential properties.

Site Contact - Last Name

First Name

MI

Suffix

Phone

Ext.

Neild

John

(610)948-0600

Site Contact Title

Site Contact Firm (if none, leave blank)

Director of Public Works

East Whiteland Township

FAX

Email

jneild@eastwhiteland.org

Mailing Address Line 1

Mailing Address Line 2

209 Conestoga Road

Mailing Address Last Line - City

State

ZIP+4

Frazer

PA

19355

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name

First Name

MI

Suffix

Bohner

William

L

Jr.

Title

Consulting Firm Name

Project Engineer

ARRO Consulting, Inc.

Mailing Address Line 1

Mailing Address Line 2

321 N. Furnace Street

Suite 200

Address Last Line - City

State

ZIP+4

Country

Birdsboro

PA

19508

USA

Email

Phone

Ext.

FAX

bill.bohner@thearrogroup.com

610.495.2102

610.495.5855

E. AVAILABILITY OF DRINKING WATER SUPPLY (See Section E of instructions)

The project will be provided with drinking water from the following source: (Check appropriate box)

Individual wells or cisterns.

A proposed public water supply.

An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: Aqua PA

F. PROJECT NARRATIVE (See Section F of instructions)

A narrative has been prepared as described in Section E of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section E of the instructions.

G. SEWAGE DISPOSAL NEEDS IDENTIFICATION (See Section G of instructions)

Conduct sanitary and water supply surveys per DEP's publication entitled *Sewage Disposal Needs Identification*. This is highly recommended for all projects. It is required if PENNVEST funding is to be sought for the project, or if required by DEP as indicated by the checked box opposite this item.

H. EXISTING WASTEWATER FACILITIES (See Section H of instructions)

1. COLLECTION SYSTEM

Provide requested information concerning the existing treatment facility.

a. Name of existing collection system East Whiteland Twp. System

Clean Streams Law Permit Number 1515402

b. Name of interceptor Whiteland Village Sewer Extension/Interceptor

Clean Streams Law Permit Number 1515402

2. WASTEWATER TREATMENT FACILITY

Provide requested information concerning the existing treatment facility.

Name of existing facility Valley Forge Sewer Authority WWTP

NPDES Permit Number for existing facility 43974

I. PROPOSED WASTEWATER FACILITIES (See Section I of instructions)

1. Provide an estimate of the immediate and five year projected flow from the proposed sewer extension. Address the capacity for this flow in the existing conveyance and treatment facilities in terms of the most recent wasteload management annual report for these facilities.

2. PLOT PLAN

The following information is to be submitted on a plot plan or map of the proposed project that clearly reflects the relationship between the proposed facilities and the identified features.

- | | |
|--|--|
| a. Existing and proposed buildings. | h. Existing and proposed streets, roadways, access roads, etc. |
| b. Lot lines and lot sizes. | i. Any designated recreational or open space area |
| c. Adjacent lots. | j. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping. |
| d. Existing and proposed sewerage facilities. | k. Flood plains or Floodprone area soils, floodways, watercourses, water bodies (from Federal Flood Insurance Mapping) |
| e. Show tap-in or sewer extension to the point of connection to existing collection system. | l. Prime Agricultural Land. |
| f. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.) | m. Any other facilities (pipelines, power lines, etc.) |
| g. Existing and proposed rights-of-way. | n. Orientation to north. |

I. PROPOSED WASTEWATER FACILITIES (continued)

3. WETLAND PROTECTION

YES NO

- a. Are there wetlands in the project area? If yes, indicate these areas on the plot plan as shown in the mapping or through on-site delineation.
- b. Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on HQ or EV streams and address impacts of the permitting requirements of said encroachments on the project.

4. PRIMARY AGRICULTURAL LAND PROTECTION

- a. Will your project involve the disturbance of any prime agricultural lands? If "yes" indicate any alternatives to this disturbance that were considered and the reasons they were not deemed feasible. Identify any primary or secondary impacts of the project on the Commonwealth's prime agricultural lands. Evaluate alternatives to avoid or mitigate undesirable impacts. The selected sewage facilities plan must be consistent with local measures in place to protect prime agricultural lands.

5. STORMWATER MANAGEMENT IMPACTS:

- a. Will the project impact an area covered by a DEP approved County Stormwater Management Plan? If yes show that the proposed facilities are consistent with that plan.

6. PENNSYLVANIA NATURAL DIVERSITY INDEX (PNDI) CONSISTENCY:

Check one:

- The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.
- A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at www.naturalheritage.state.pa.us, and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdiction agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials WLB

7. COMPREHENSIVE PLAN CONSISTENCY:

- A narrative and mapping to show that the proposed project is consistent with any comprehensive plan developed under the Pennsylvania Municipalities Planning Code (Act 247) is attached. Document that the proposed project is consistent with land use and all other requirements stated in the comprehensive plan.

8. COOPERATION WITH PA. HISTORICAL AND MUSEUM COMMISSION (PHMC):

- A copy of DEP's "Cultural Resource Notice" and map which were sent to the Commission and a copy of the Commission's response are attached. Note that the Commission may require archeological surveys if federal funds, including PENNVEST, will be used in the project. If PENNVEST funds are to be used, DEP cannot recommend the project to PENNVEST for consideration until any required surveys have been done and the project has been "cleared" by the Commission.

9. **ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:**

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project, address these additional items in terms of any project impacts and measures to avoid or mitigate same.
- Cost Effectiveness
 - Air quality
 - Floodplains
 - Wild and scenic rivers
 - Coastal zone management
 - Socio-economic impacts
 - Water supplies
 - Other environmentally sensitive areas

J. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section J of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section J of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section J of the instructions.

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 3025 gpd
2. Total Sewage Flows to Facilities
 - a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
 - b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
 - c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection	3025	7563	0	0	3025	7563
Conveyance	319000	797502	224460	561600	282210	705525
Treatment						

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.

- b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

c. Collection System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent John Neild

Agent Signature _____

Date _____

d. Conveyance System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent John Neild

Agent Signature _____

Date _____

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

- a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.
- b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality Valley Forge Sewer Authority

Name of Responsible Agent _____

Agent Signature _____

Date _____

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

- An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

M. PROJECT COST AND FUNDING ANALYSIS (See Section M of instructions)

- A detailed cost estimate and present worth analysis for the project is attached. Provide a financing plan for the project, identifying the funding source(s) and identifying estimated tap fees and user rates. For projects proposing the use of PENNVEST funds, see Section I. 9. **ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS**. Complete the following table:

Cost and Funding Information (Estimated)	
COST	
Construction cost	\$ 450000
Administrative, legal, engineering cost	\$ 67500
Total project cost	\$ 517500
Annual O/M cost	\$ 6000
FUNDING	
Tap-in fees (\$ per EDU X no. EDUs)	\$ 44000
Proceeds from primary funding source	\$ 473500
Proceeds from other funding sources	\$ 0
USER COSTS	
Initial user base	11 EDUs
Monthly debt service per EDU	\$ 0
Monthly O/M cost per EDU	\$ 50
Total estimated monthly user cost per EDU	\$ 50

N. PROJECT IMPLEMENTATION SCHEDULE (See Section N of instructions)

- A project implementation schedule showing milestone dates for submission of DEP permit applications, initiation and completion of construction and any other milestones significant to this particular project is attached to this component

O. PUBLIC NOTIFICATION REQUIREMENT (See Section O of instructions)

- Attached is a copy of the public notice. All comments received as a result of the notice are attached.
- Municipal response to these comments is attached.
- No comments were received. A copy of the public notice is attached.

P. ADDITIONAL CHAPTER 71 PLANNING ELEMENTS (See Section P of instructions)

a. Additional planning elements are required by DEP.

- _____
- _____
- _____
- _____
- _____

Q. PLANNING AGENCY REVIEW (See Section Q of instructions)

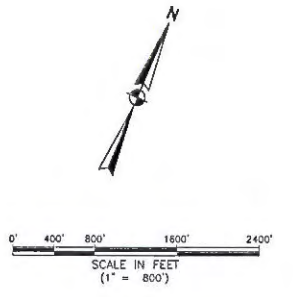
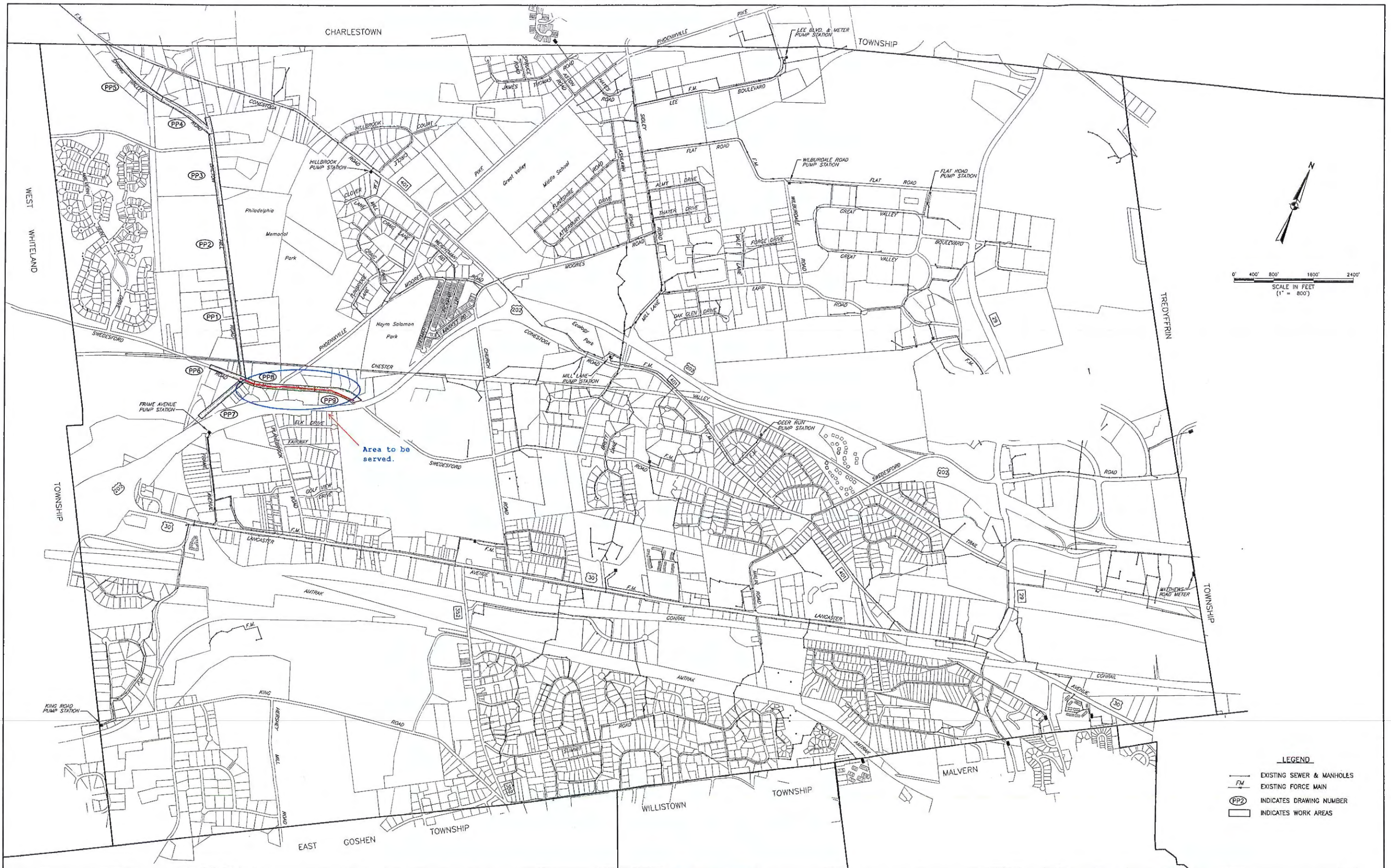
- Local Planning Commission comments or Component 4a are attached.
- County, Area, Or Region Planning Commission comments or Component 4b are attached.
- County or Joint County Health Department comments (if appropriate) or Component 4c are attached.

R. RESOLUTION OF ADOPTION (See Section R of instructions)

- An original, signed, and sealed Resolution of Adoption is attached.
-

Exhibit C

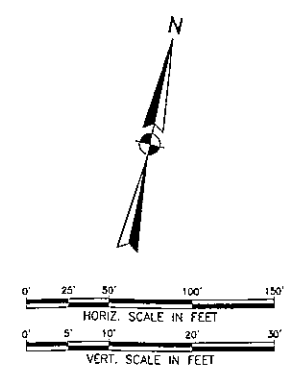
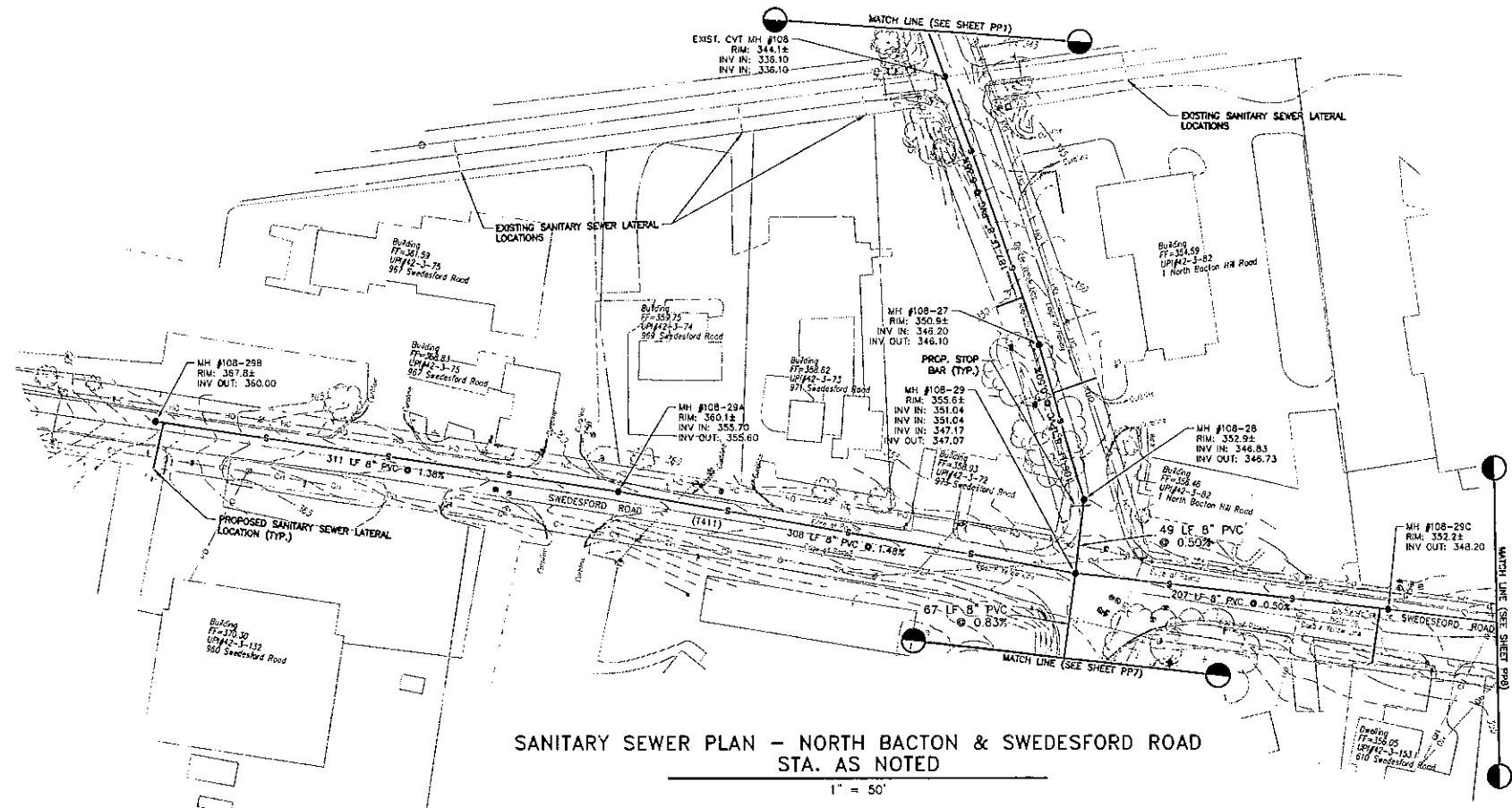
Sewer Extension Plan Sheets



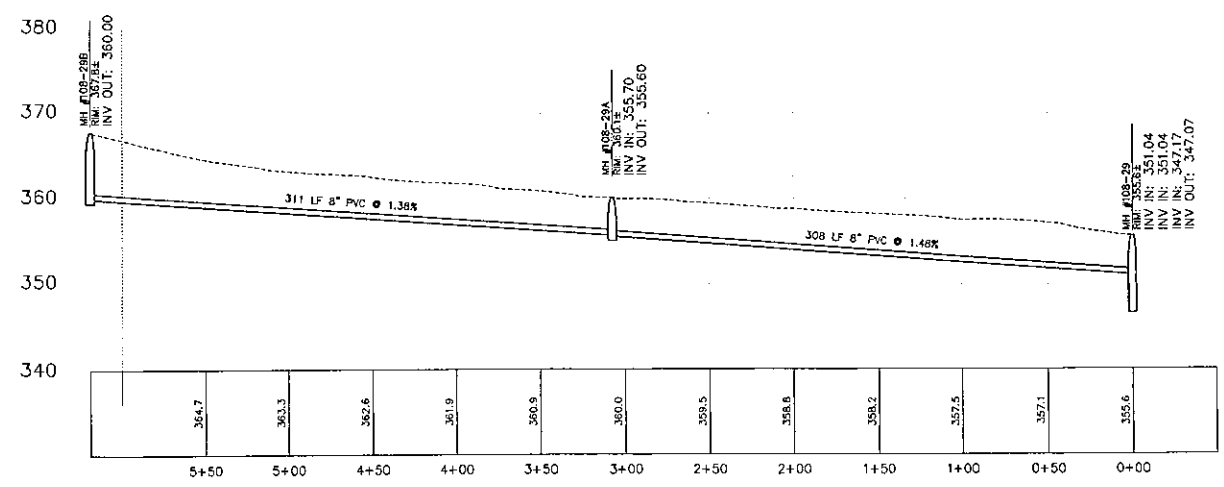
LEGEND

- EXISTING SEWER & MANHOLES
- EXISTING FORCE MAIN
- INDICATES DRAWING NUMBER
- INDICATES WORK AREAS

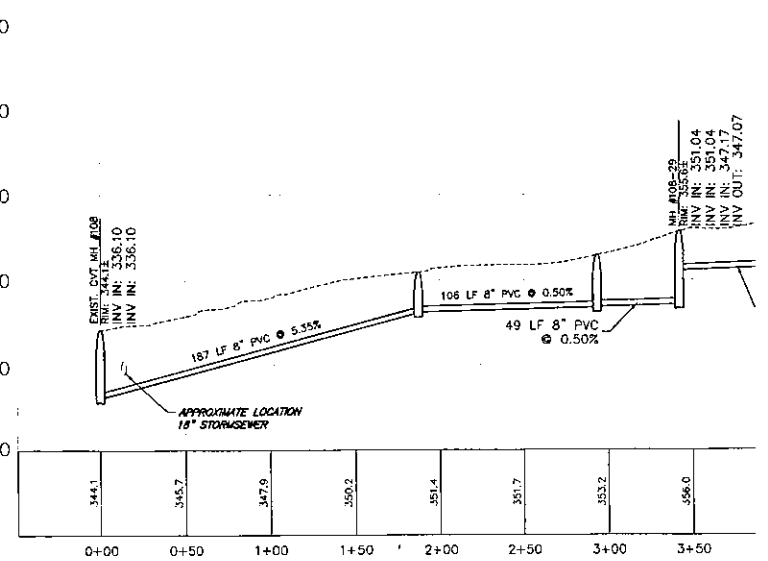
				JOHN A. MOTT, P.E. RELEASED BY DESIGN JOHN A. MOTT, P.E. DRAWN M. COLLINS/ P. TITUS DATE 1/23/2020								CLIENT & PROJECT EAST WHITELAND TOWNSHIP 209 CONESTOGA RD. FRAZER, PA 19355 NORTH BACTON HILL & SWEDSFORD RD. AREAS SANITARY SEWERS CHESTER COUNTY, PENNSYLVANIA								TITLE SANITARY SEWERS PLOT PLAN SCALE AS NOTED PROJECT NO. 10310.36 SHEET NO. 2 OF 24 REV. 0				DWG. NO. C1			
NO	REVISION	DATE	BY	APP.	NO	DATE	BY	APP.	NO	DATE	BY	APP.	NO	DATE	BY	APP.											
	1																										
	0	7/30/20	PT	JM																							
	A	1/23/20	PT	JM																							



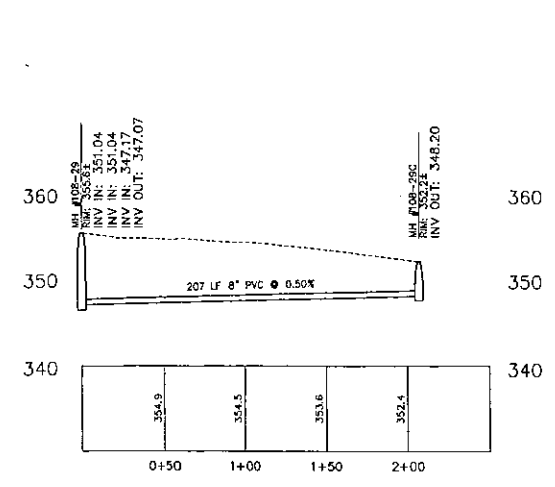
SANITARY SEWER PLAN - NORTH BACTON & SWEDSFORD ROAD
STA. AS NOTED
1" = 50'



SWEDSFORD ROAD WEST PROFILE
STA. 00+00 TO STA. 6+18
HORIZ. 1" = 50' VERT. 1" = 10'



NORTH BACTON HILL ROAD "SOUTH" PROFILE
STA. 00+00 TO STA. 3+50
HORIZ. 1" = 50' VERT. 1" = 10'

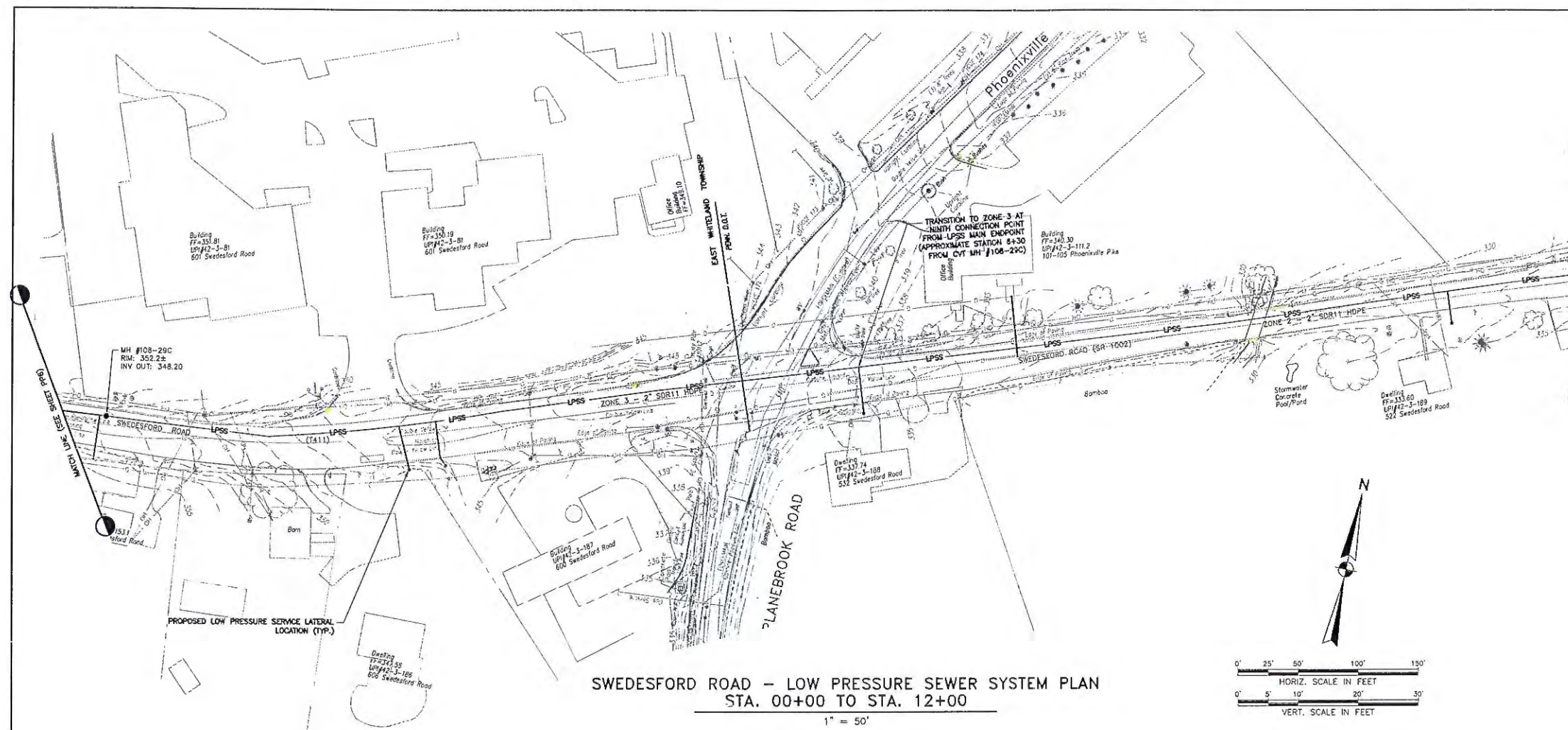


SWEDSFORD ROAD EAST PROFILE
STA. 00+00 TO STA. 2+07
HORIZ. 1" = 50' VERT. 1" = 10'

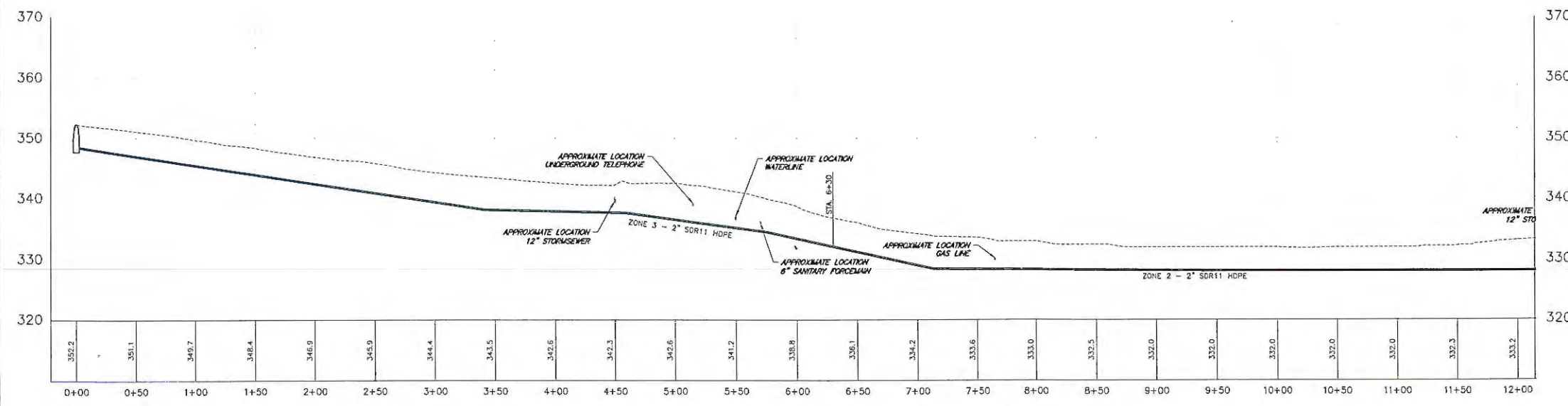
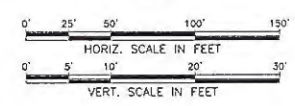
NO.		REVISION		DATE	BY	A.P.	NO.	JOHN A. MOIT, P.E.		SEAL	CLIENT & PROJECT		TITLE		SCALE		DWG. NO.		
								DESIGN		EAST WHITELAND TOWNSHIP		N. BACTON HILL & SWEDSFORD ROADS		AS NOTED		PP6			
								DRK		209 CONESTOGA ROAD		SANITARY SEWERS		PROJECT NO. 10310.36		SHEET NO. 9 OF 24		REV. 0	
		1						CHECKED JM		FRAZER, CHESTER COUNTY, PA		PLAN/PROFILE SHEET 6		PROJECT NO. 10310.36		SHEET NO. 9 OF 24		REV. 0	
		0		7/30/20	MC	JM		DRAWN DRK/MCC		NORTH BACTON HILL AND SWEDSFORD ROAD				PROJECT NO. 10310.36		SHEET NO. 9 OF 24		REV. 0	
		A		1/23/20	DK	JM		DATE 1/23/2020		AREAS SANITARY SEWERS				PROJECT NO. 10310.36		SHEET NO. 9 OF 24		REV. 0	
								FIELD BOOK		EAST WHITELAND TOWNSHIP				PROJECT NO. 10310.36		SHEET NO. 9 OF 24		REV. 0	

WARNING: HIGH PRESSURE PIPELINE(S)
 NO EXCAVATION OR CONSTRUCTION IN THESE AREAS WITHOUT CONTACTING THE STATE ONE CALL CENTER, SUNOCO PIPELINE L.P. AT 1-888-786-3280 OR BUCKEYE PIPELINE COMPANY AT 1-877-530-5685.

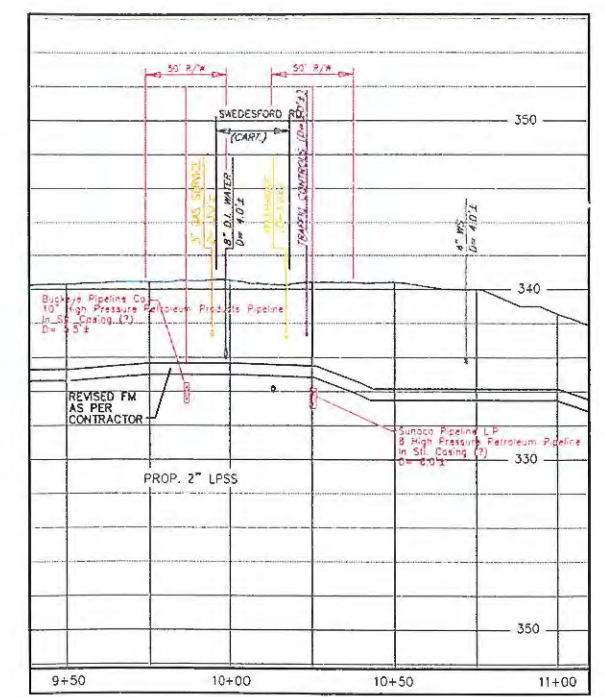
- PIPELINE NOTES:
1. SHOWN EXISTING PLAN CONDITIONS ALONG PLANE BROOK ROAD, SWEDSFORD ROAD PER FIELD SURVEY PERFORMED BY HOPKINS AND SCOTT, PROFESSIONAL LAND SURVEYORS, OCTOBER 2019.
 2. REFER TO THE PROJECT MANUAL FOR THE SUNOCO PIPELINE "ENGINEERING AND CONSTRUCTION GUIDELINES" LIST FOR WORK WITHIN THE PIPELINE RIGHT-OF-WAY.
 3. CONTACT INFORMATION:
 - A. SUNOCO:
 - 1.) SPSL CONSTRUCTION CONTACT NUMBER: FORT MIFFLIN FIELD OFFICE @ 215-669-3241
 - 2.) SUNOCO PIPELINE EMERGENCY CONTACT NUMBER: MONTELO @ 1-800-786-7440
 - B. BUCKEYE:
 - 1.) MALVERN FACILITY LOCATION: 610-695-8001.
 4. DEPTH OF SUNOCO 8" HIGH PRESSURE PIPELINE DETERMINED BY SUNOCO FIELD REPRESENTATIVES (PATTY BINGAMAN AND JOHN FERRY) PERFORMING DEPTH PROBES TO DETERMINE DEPTH OF THE TOP OF THE PIPELINE BELOW EXISTING GRADE, DETERMINED TO BE 6' DEEP (PER PROBE LOCATION #2) IN APPROXIMATE CENTER OF PHOENIXVILLE PIKE, PER SITE TESTING PERFORMED ON JUNE 15, 2016.
 5. DEPTH OF BUCKEYE 10" HIGH PRESSURE PIPELINE DETERMINED BY BUCKEYE FIELD REPRESENTATIVES (WILLIAM BARBER, WARREN MICHAEL AND FRAN BRUTON) PERFORMING DEPTH PROBES ON BOTH SIDES OF PLANE BROOK ROAD TO DETERMINE THE DEPTH OF THE TOP OF THE PIPELINE FROM EXISTING GRADE, BUT COULD NOT DETERMINE THE EXACT PIPELINE DEPTH DUE TO EXISTING ROADSIDE SLOPE CONDITIONS DURING SITE TESTING PERFORMED ON JUNE 20, 2016. REPRESENTATIVE SUGGESTED AN APPROXIMATE DEPTH OF 5.5' BE USED FOR PLANNING PURPOSES, BUT RECOMMENDED THAT THE ACTUAL DEPTH BE DETERMINED BY A "SOFT DIG" PRIOR TO THE START OF ANY ACTUAL SITE WORK ACTIVITIES.



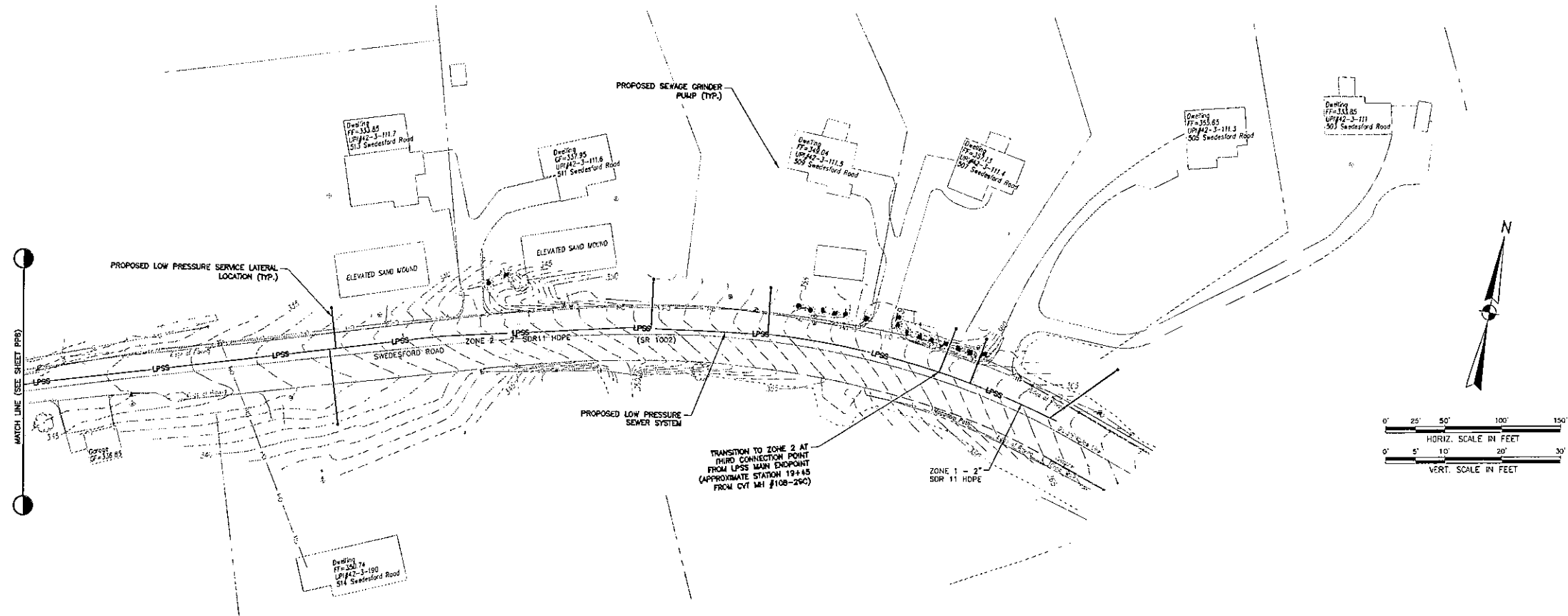
SWEDSFORD ROAD - LOW PRESSURE SEWER SYSTEM PLAN
 STA. 00+00 TO STA. 12+00
 1" = 50'



SWEDSFORD ROAD - LOW PRESSURE SEWER SYSTEM PROFILE
 STA. 00+00 TO STA. 12+00
 HORIZ. 1" = 50'; VERT. 1" = 10'

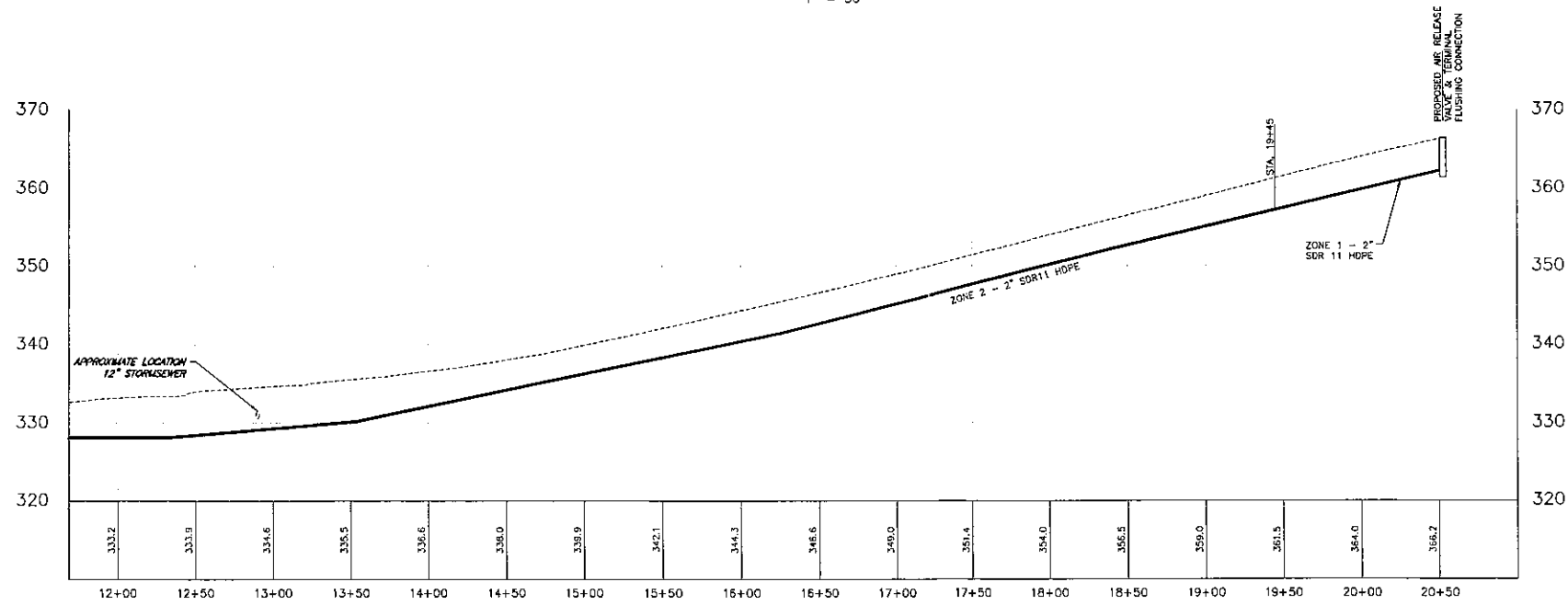


JOHN A. MOTT, P.E. RELEASED BY: [Signature] DESIGN: DRK CHECKED: JM DRAWN: DRK/MCC CHECKED: JM DATE: 1/23/2020 SURVEY DATE: [Blank] FIELD BOOK: [Blank]				SEAL: [Professional Engineer Seal] SEAL: [Professional Engineer Seal]		CLIENT & PROJECT EAST WHITELAND TOWNSHIP 209 CONESTOGA ROAD FRAZER, CHESTER COUNTY, PA NORTH BACTON HILL AND SWEDSFORD ROAD AREAS SANITARY SEWERS EAST WHITELAND TOWNSHIP		TITLE SWEDSFORD ROAD LOWER PRESSURE SEWER SYSTEM PLAN/PROFILE SHEET 8	
1 ISSUED FOR CONSTRUCTION 0 ISSUED FOR BID 7/30/20 MC JM A ISSUED FOR CLIENT REVIEW 1/23/20 DK JM				ARRO Building 100, Suite 100-B 1450 E. Boot Road West Chester, Pennsylvania 19380 Tel 484.999.6150		SCALE AS NOTED		DWG. NO. PP8	
NO REVISION DATE BY APP. NO				PROJECT NO. 10310.36		SHEET NO. 11 OF 24		REV. 0	



SWEDSFORD ROAD - LOW PRESSURE SEWER SYSTEM PLAN
STA. 12+00 TO STA. 20+53

1" = 50'



SWEDSFORD ROAD - LOW PRESSURE SEWER SYSTEM PROFILE
STA. 12+00 TO STA. 20+53

HORIZ. 1" = 50'; VERT. 1" = 10'

				JOHN A. MOTT, P.E. RELEASED BY DESIGN DRK CHECKED JM DRAWN DRK/MCC DATE 1/23/2020 FIELD BOOK				SEAL 		CLIENT & PROJECT EAST WHITELAND TOWNSHIP 209 CONESTOGA ROAD FRAZER, CHESTER COUNTY, PA NORTH BACTON HILL AND SWEDSFORD ROAD AREAS SANITARY SEWERS EAST WHITELAND TOWNSHIP				TITLE SWEDSFORD ROAD LOW PRESSURE SEWER SYSTEM PLAN/PROFILE SHEET 9		SCALE AS NOTED		DWG. NO. PP9	
1 ISSUED FOR CONSTRUCTION 0 ISSUED FOR BID A ISSUED FOR CLIENT REVIEW				DATE 7/30/20 1/23/20 BY MC DK APP. JM JM				PROJECT NO. 10310.36		SHEET NO. 12 OF 24		REV. 0							

Exhibit D

East Whiteland Township Component 3, Section K

b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

c. Collection System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent John Neild

Agent Signature 

Date 1/21/21

d. Conveyance System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent John Neild

Agent Signature 

Date 1/21/21

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.

b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality Valley Forge Sewer Authority

Name of Responsible Agent _____

Agent Signature _____

Date _____

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

Exhibit E

Aqua PA Component 3, Section K

9. ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project, address these additional items in terms of any project impacts and measures to avoid or mitigate same.
- Cost Effectiveness
 - Air quality
 - Floodplains
 - Wild and scenic rivers
 - Coastal zone management
 - Socio-economic impacts
 - Water supplies
 - Other environmentally sensitive areas

J. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section J of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section J of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section J of the instructions.

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 3025 gpd
2. Total Sewage Flows to Facilities
 - a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
 - b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
 - c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection	3025	7563	0	0	3025	7563
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.

b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

c. Collection System

Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

d. Conveyance System

Name of Agency, Authority, Municipality Aqua PA _____

Name of Responsible Agent _____ **Sign and Date Here**

Agent Signature _____

Date _____

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.

b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

Exhibit F

Valley Forge Sewer Authority Component 3 Section K

9. ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project, address these additional items in terms of any project impacts and measures to avoid or mitigate same.
- Cost Effectiveness
 - Air quality
 - Floodplains
 - Wild and scenic rivers
 - Coastal zone management
 - Socio-economic impacts
 - Water supplies
 - Other environmentally sensitive areas

J. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section J of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section J of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section J of the instructions.

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 3025 gpd
2. Total Sewage Flows to Facilities
 - a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
 - b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
 - c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection	3025	7563	0	0	3025	7563
Conveyance	319000	797502	224460	561600	282210	705525
Treatment	11,750,000	32,000,000	7,512,000	13,898,000	7,681,000	9,212,000

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.

b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.

c. Collection System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent John Neild

Agent Signature _____

Date _____

d. Conveyance System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent John Neild

Agent Signature _____

Date _____

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.

b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality Valley Forge Sewer Authority

Name of Responsible Agent Martin F. Goldberg **Sign and Date Here**

Agent Signature Martin F. Goldberg

Date 1/22/21

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

Exhibit G

Water Supply Will Serve Letter



January 4, 2021

William L Bohner
Arro Consulting

Re: Water Availability
Swedesford Rd properties between Bacton Hill and Rt 202
East Whiteland Twp, Chester County

In response to your request, this letter will serve as confirmation that the above referenced properties are situated within Aqua Pennsylvania Inc. service territory.

Domestic and fire water service is available and will be provided in accordance with Aqua Pennsylvania, Inc. Rules and Regulations. For further details, visit www.aquaamerica.com.

With regard to our capacity for domestic and fire service for this area, flow data information can be obtained upon written request to Lisa Thomas of our Control Center at LATHOMAS@AQUAAMERICA.COM. Include the address with town or township and the nearest intersecting street.

Should you have any further questions or need to request an application for service, contact me at (610) 541-4160 or dlciotti@aquamerica.com.

Regards,

A handwritten signature in black ink that reads "Deanna L. Ciotti".

Deanna L. Ciotti
Special Services Coordinator-New Business Applications
Aqua Pennsylvania, Inc
700 W Sproul Rd
Springfield, PA 19064
O: 610.541.4160

Exhibit H

Component 4B



**SEWAGE FACILITIES PLANNING MODULE
 COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW
 (or Planning Agency with Areawide Jurisdiction)**

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning package and one copy of this *Planning Agency Review Component* should be sent to the existing county planning agency or planning agency with areawide jurisdiction for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name & Municipality Swedesford Road Low Pressure Sewer Extension, East Whiteland Township

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county planning agency. February 26, 2021
2. Date plan received by planning agency with areawide jurisdiction N/A Agency name N/A
3. Date review completed by agency April 19, 2021

SECTION C. AGENCY REVIEW (See Section C of instructions)

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 et seq.)? <u>Landscapes3, the Chester County Comprehensive Plan, was adopted in 2018. Watersheds, the Chester County Comprehensive Plan Integrated Water Resources Element, was adopted in 2002.</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use? <u>According to the Landscapes map adopted in 2018, the proposed subdivision/land development includes land designated as the Suburban Landscape. The vision for the Suburban Landscape is predominantly residential communities with locally-oriented commercial uses and facilities, accommodating growth at a medium density that retains a focus on residential neighborhoods, with enhancements in housing diversity and affordability. Both on-lot and public sewer systems are supported in this landscape.</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Does this proposal meet the goals and objectives of the plan?
If no, describe goals and objectives that are not met |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe inconsistency <u>Landscapes3 Protect Objective A states: "Guide development away from sensitive natural resources and toward areas appropriate for accommodating growth." According to PA Code Title 25, Chapter 93, this proposal is located in a watershed or sub-watershed that has a stream use designated as Exceptional Value Waters, Valley Creek. These streams are given high priority when considering watershed protection measures. The applicant may need to conduct further coordination with DEP or other agencies in order to comply with the water quality standards set forth in this regulation.</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation? If no, describe inconsistencies: |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impact: |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Will any known historical or archaeological resources be impacted by this project? <u>Not Known.</u>
If yes, describe impacts |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Will any known endangered or threatened species of plant or animal be impacted by the development project? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Is there a county or areawide zoning ordinance? |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Does this proposal meet the zoning requirements of the ordinance? <u>N/A</u> |

Yes	No	SECTION C. AGENCY REVIEW (continued)
-----	----	--------------------------------------

- | | | |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Have all applicable zoning approvals been obtained? <i>N/A</i> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 12. Is there a county or areawide subdivision and land development ordinance? No |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Does this proposal meet the requirements of the ordinance? <i>N/A</i>
If no, describe which requirements are not met |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 14. Is this proposal consistent with the municipal Act 537 Official Sewage Facilities Plan?
If no, describe inconsistency |
| <input type="checkbox"/> | <input type="checkbox"/> | 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? Not known If yes, describe |
| <input type="checkbox"/> | <input type="checkbox"/> | 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
If yes, is the proposed waiver consistent with applicable ordinances. Not Known
If no, describe inconsistencies |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 17. Does the county have a stormwater management plan as required by the Stormwater Management Act? If yes, will this project plan require the implementation of storm water management measures? <u>According to our records, all municipalities have updated their stormwater management ordinances to be consistent with Chester County's PA DEP approved stormwater management (SWM) plan, dated July 2, 2013.</u> |
| | | 18. |

Name, Title and signature of person completing this section:

Name: Carrie J. Conwell

Title: Senior Environmental Planner

Date: 4/19/2021

Name of County or Areawide Planning Agency: Chester County Planning Commission

Address: Government Services Center, Suite 270

601 Westtown Road

P.O. Box 2747

West Chester, PA 19380-0990

Telephone Number: (610) 344-6285

Signature: *Carrie J. Conwell*

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This submission does does not indicate that the Planning Module is consistent with Township planning. Please be advised that DEP may require additional information from the municipality and/or applicant to determine consistency with local planning and/or to show references to Act 537 planning and applicable municipal ordinances.

Per discussion with the project consultant, PA DEP has not assigned a Code # for this Component 3m.

PC53-04-21-16720

The county planning agency must complete this Component within 60 days.

This Component and any additional comments are to be returned to the applicant.

cc: Elizabeth Mahoney, PaDEP
Chester County Health Department
John Neild, East Whiteland Township Director of Public Works
John Nagel, East Whiteland Township
William Bohner, Jr., Arro Group

Exhibit I

Component 4A

DEP Code #:

**SEWAGE FACILITIES PLANNING MODULE
 COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW**

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the local municipal planning agency for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name

Swedesford Road Area Low-Pressure Sewer Extension

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by municipal planning agency 2/26/21

2. Date review completed by agency 3/29/21

SECTION C. AGENCY REVIEW (See Section C of instructions)

Yes **No**

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use?
If no, describe the inconsistencies _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe the inconsistencies _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. Will any known historical or archaeological resources be impacted by this project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 7. Will any known endangered or threatened species of plant or animal be impacted by this project?
If yes, describe impacts _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8. Is there a municipal zoning ordinance? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9. Is this proposal consistent with the ordinance?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11. Have all applicable zoning approvals been obtained? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Is there a municipal subdivision and land development ordinance? |

SECTION C. AGENCY REVIEW (continued)

Yes

No

13. Is this proposal consistent with the ordinance?

If no, describe the inconsistencies _____

14. Is this plan consistent with the municipal Official Sewage Facilities Plan?

If no, describe the inconsistencies _____

15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?

If yes, describe _____

16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?

If yes, is the proposed waiver consistent with applicable ordinances?

If no, describe the inconsistencies _____

17. Name, title and signature of planning agency staff member completing this section:

Name: Zachary Barner

Title: Director of Planning + Development

Signature: [Signature]

Date: 3/29/21

Name of Municipal Planning Agency: East Whiteland Township Planning Comm

Address 209 Conestoga Road, Frazer, PA 19355

Telephone Number: 610-897-4265

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.

Exhibit J

Component 4C

**SEWAGE FACILITIES PLANNING MODULE
 COMPONENT 4C - COUNTY OR JOINT HEALTH DEPARTMENT REVIEW**

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the county or joint county health department for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name
Swedesford Road Low-Pressure Sewer Extension

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

- Date plan received by county or joint county health department 2-26-21
 Agency name Chester County Health Department
- Date review completed by agency 3-2-21

SECTION C. AGENCY REVIEW (See Section C of instructions)

- | | | | |
|-------------------------------------|-------------------------------------|----|---|
| Yes | No | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. | Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan? |
| | | | If no, what are the inconsistencies? _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2. | Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? |
| | | | If yes, describe _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. | Is there any known groundwater degradation in the area of this proposal? |
| | | | If yes, describe _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. | The county or joint county health department recommendation concerning this proposed plan is as follows: <u>Accept as long as all local land ordinances are met</u> |
| | | 5. | Name, title and signature of person completing this section: |
| | | | Name: <u>Ross Fisher</u> |
| | | | Title: <u>SEO CCHD</u> |
| | | | Signature: <u>Ross Fisher</u> |
| | | | Date: <u>3-2-21</u> |
| | | | Name of County Health Department: <u>Chester County</u> |
| | | | Address: <u>601 Westtown rd W. Chester PA 19380</u> |
| | | | Telephone Number: <u>610 344 6000</u> |

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this component within 60 days.
 This component and any additional comments are to be returned to the applicant.

Exhibit K

Public Notice/Proof of Publication/Public Comments

Exhibit L

PNDI/PHMC Correspondence

PNDI Receipt

1. PROJECT INFORMATION

Project Name: **East Whiteland Sanitary Sewer**

Date of Review: **3/3/2020 02:26:22 PM**

Project Category: **Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewer line (new - construction in new location)**

Project Area: **4.32 acres**

County(s): **Chester**

Township/Municipality(s): **EAST WHITELAND**

ZIP Code: **19355**

Quadrangle Name(s): **MALVERN**

Watersheds HUC 8: **Schuylkill**

Watersheds HUC 12: **Little Valley Creek-Valley Creek**

Decimal Degrees: **40.040106, -75.573274**

Degrees Minutes Seconds: **40° 2' 24.3804" N, 75° 34' 23.7881" W**

2. SEARCH RESULTS

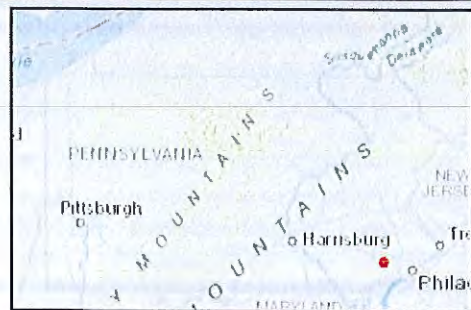
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Avoidance Measure	See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

East Whiteland Sanitary Sewer

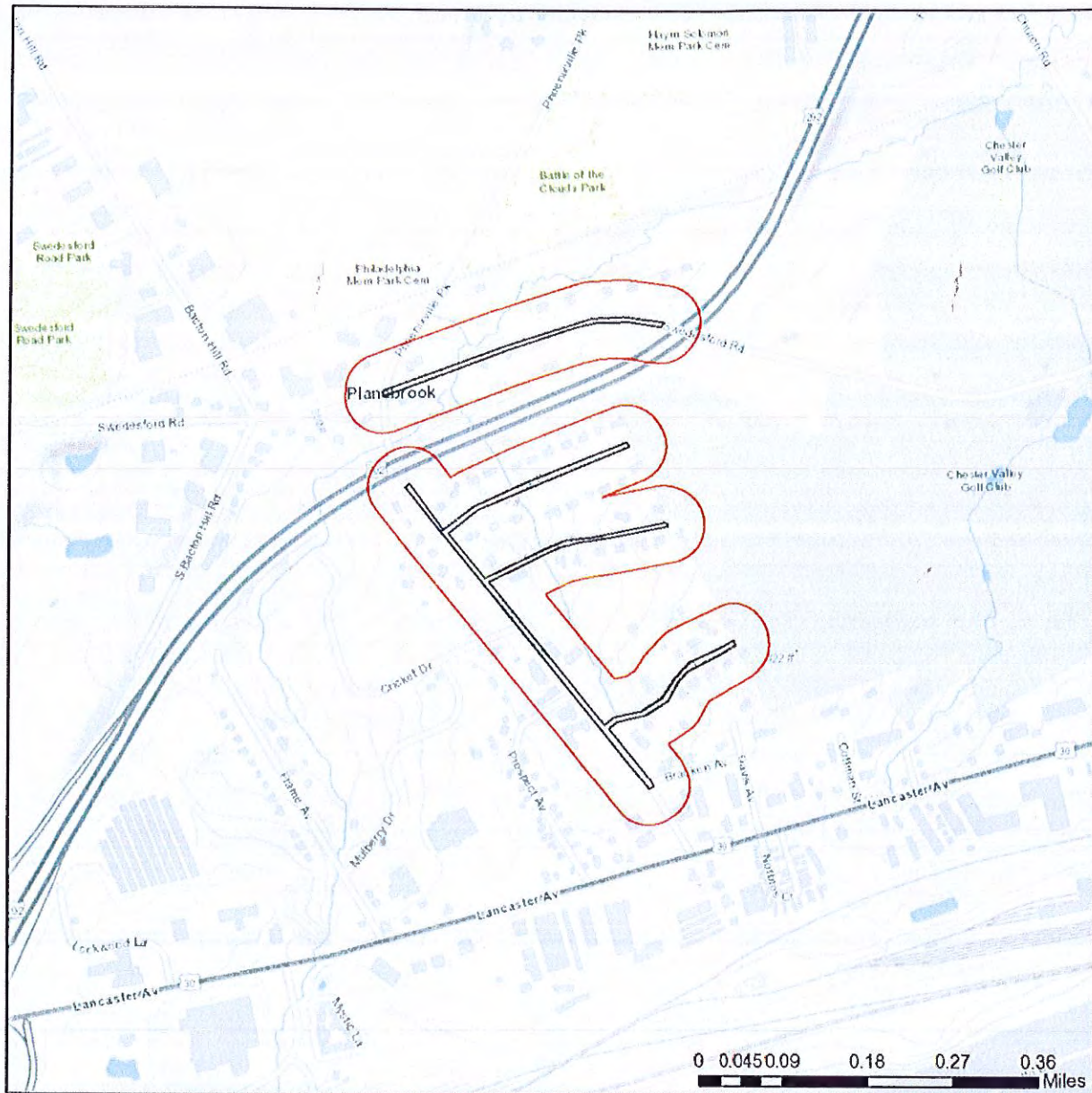


- Project Boundary
- Buffered Project Boundary

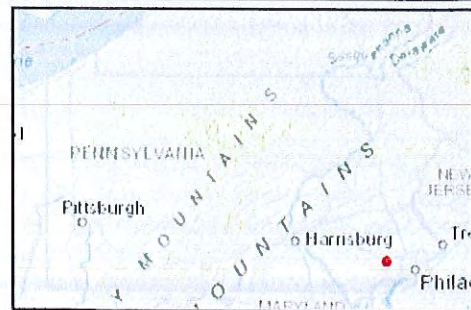


Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

East Whiteland Sanitary Sewer



- Project Boundary
- Buffered Project Boundary



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,

RESPONSE TO QUESTION(S) ASKED

Q1: Will this project or any project-related activities require any in-stream work, or a permanent or temporary crossing of a waterway (stream, river, creek, tributary)?

Your answer is: Yes

Q2: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: Someone qualified to identify and delineate wetlands has investigated the site, and determined that NO wetlands are located in or within 300 feet of the project area. (A written report from the wetland specialist, and detailed project maps should document this.)

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

Avoidance Measure: Avoid in-stream impacts by spanning the waterway or going under it (e.g., via horizontal boring or directional drilling). If in-stream impacts cannot be avoided, carry out instream work -- including installation of permanent structures (e.g., pipelines, livestock crossings, riprap), or installation, use, and removal of temporary structures (e.g., temporary road crossings) -- between October 1 and March 31.

As the project proponent or applicant, I certify that I will implement the above Avoidance Measure:

 (Signature)

SPECIAL NOTE: If you agree to implement the above Avoidance Measure, no further coordination with this agency regarding threatened and endangered species and/or special concern species and resources is required. If you are not able to comply with the Avoidance Measures, you are required to coordinate with this agency - please send project information to this agency for review (see "What to Send" section).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

*Note: U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

SIGNED copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service
Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission
Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

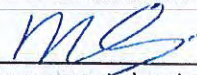
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Mikah Schlesinger
Company/Business Name: J ARRO Consulting, Inc.
Address: 1450 East Boat Road, Suite 100-B
City, State, Zip: West Chester, PA
Phone: (484) 999 6150 Fax: ()
Email: Mikah.Schlesinger@arroconsulting.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.


applicant/project proponent signature

03/03/2020
date

**Cultural Resource Notice
and PHMC Review Letter**



West Chester Office
1450 East Boot Road
Building 100, Suite 100-B
West Chester, PA 19380
T 484-999-6150

February 27, 2020

Pennsylvania Historical and Museum Commission
State Historic Preservation Office
Commonwealth Keystone Building, Second Floor
400 North Street
Harrisburg, PA 17120-0093

RE: Planebrook Road Area Sanitary Sewer Expansion
PA DEP Joint Permit – Small Projects Registration
East Whiteland Township, Chester County, PA
ARRO No.: 10310.36

Dear Reviewer,

ARRO Consulting, Inc. (ARRO) is submitting a Joint Permit – Small Project application package to the Pennsylvania Department of Environmental Protection (PA DEP) on behalf of East Whiteland Township, for the installation of new sanitary sewer systems in the Planebrook Road area in East Whiteland, Chester County, Pennsylvania. The area surrounding the proposed sanitary sewer systems installation comprises of roadway, residential properties containing maintained lawn, a number of small businesses and unnamed tributaries to Valley Creek, designated by the Pennsylvania Code Title 25, Chapter 93, as Exceptional Value–Migratory Fish (EV-MF).

Project Description:

The project involves extending public sanitary sewer service to existing properties in the area from existing sanitary manholes located on Planebrook Road and the Whiteland Village Interceptor, located just north of Swedesford Road.

The project scope involves installation of new gravity sanitary sewer services for properties along Planebrook Road (11 properties), Golf View Lane (13 properties), Bracken Avenue, Davis Avenue and Coffman Street (10 properties), and Prospect Avenue (19 properties), and low pressure sanitary sewer services for properties along Elk Drive (20 properties), Fairway Drive (11 properties) and Swedesford Road east and west of the Planebrook Road/Phoenixville Pike intersection (13 commercial/residential/vacant lots).

The discharge line of the gravity sewer (8" PVC pipe) in Golf View Lane and the low pressure sewer systems in Elk Drive, Fairway Drive and Swedesford Road (2" SDR11 HDPE pipe) will require crossing of tributaries of Valley Creek, designated as an exceptional value stream.

Planebrook Road Area Sanitary Sewer Expansion
PA DEP Joint Permit – Small Projects Registration
February 27, 2020
Page 2

Wastewater will ultimately be collected and conveyed to the Whiteland Village Interceptor Extension which has the capacity to handle the proposed peak flow. From this interceptor, flow will be conveyed to the Mill Lane Pump Station. Wastewater will exit East Whiteland Township at the Matthews Road meter.

Enclosed are Project Review Form, Topographic Map, Natural Resources Map, Site Plans, site visit photographs, and a CRGIS Map.

Please complete a PHMC review for this project and provide us with your findings. Please do not hesitate to contact me should you have any questions or require any additional information.

Sincerely,
ARRO Consulting, Inc.



Mikah Schlesinger,
Environmental Scientist
484-999-6189
mikah.schlesinger@arroconsulting.com

CC: John Mott, P.E., ARRO Consulting, Inc.
William Steele, Public Works Director, East Whiteland Township, PA.



PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on State and Federal Undertakings

SHPO USE ONLY	Reviewers: ___/___
DATE RECEIVED:	DATE DUE:
ER NUMBER:	HRSF: _____

REV: 06/2018

SECTION A: PROJECT NAME & LOCATION

Is this a new submittal? YES NO OR This is additional information for ER Number:

Project Name Planebrook Road Area Sanitary Sewer Expansior County Chester Municipality East Whiteland Township
 Project Address Planebrook Road City/State/ Zip Malvern PA 19355

SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name Mikah Schlesinger	Phone 610-999-6150
Company ARRO Consulting, Inc.	Fax
Street/PO Box 1450 E. Boot Road, Building 100-B	Email mikah.schlesinger@arroconsulting.c
City/State/Zip West Chester PA 19380	

SECTION C: PROJECT DESCRIPTION

This project is located on: (check all that apply) Federal property State property Municipal property Private property

List all federal and state agencies and programs providing funds, permits, licenses.	Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project includes (check all that apply): Construction Demolition Rehabilitation Disposition

Total acres of project area: 1.5 Total acres of earth disturbance: 1.5

Are there any buildings or structures within the project area? Yes No Approximate age of buildings: 30-40 years

Does this project involve properties listed in or eligible for the National Register of Historic Places, or designated as historic by a local government?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Unsure <input type="radio"/>	Name of historic property or historic districts
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Please print and mail completed form and all attachments to:

PHMC
 State Historic Preservation Office
 400 North St.
 Commonwealth Keystone Building, 2nd Floor
 Harrisburg, PA 17120-0093

Attachments – Please include the following information with this form

- Map – 7.5' USGS quad showing project boundary and Area of Potential Effect
- Description/Scope – Describe the project, including any ground disturbance and previous land use
- Site Plans/Drawings – Indicate past and present land use, location and dates of buildings, and proposed improvements
- Photographs – Attach prints or digital photographs showing the project site, including images of all buildings and structures keyed to a site plan

SHPO DETERMINATION (SHPO USE ONLY)

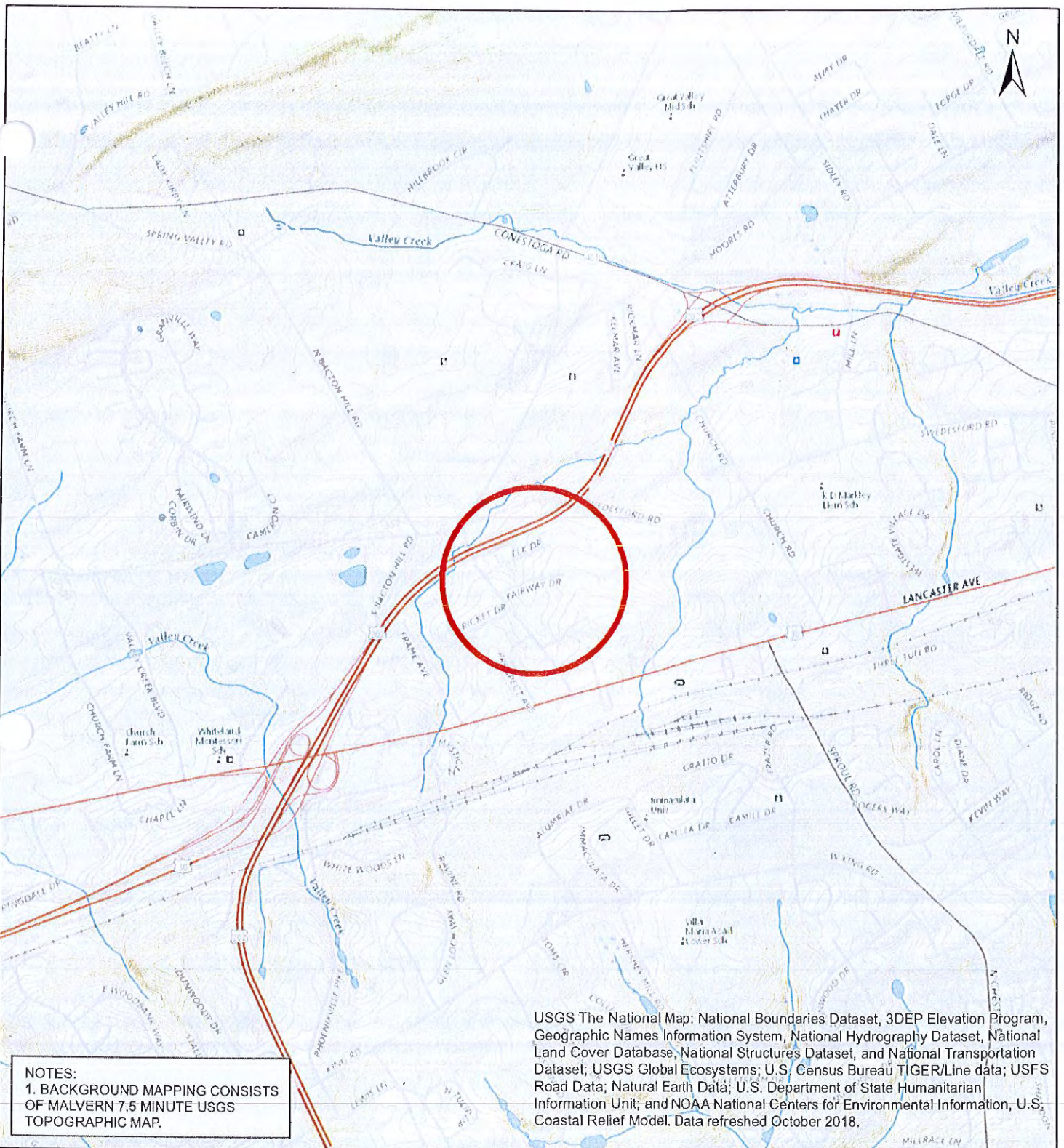
- | | |
|--|--|
| <input type="checkbox"/> There are NO HISTORIC PROPERTIES in the Area of Potential Effect

<input type="checkbox"/> The project will have NO EFFECT on historic properties

<input type="checkbox"/> The project will have NO ADVERSE EFFECTS on historic properties: | <input type="checkbox"/> The project will have NO ADVERSE EFFECTS WITH CONDITIONS (see attached)



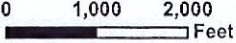
<input type="checkbox"/> SHPO REQUESTS ADDITIONAL INFORMATION (see attached) |
|--|--|

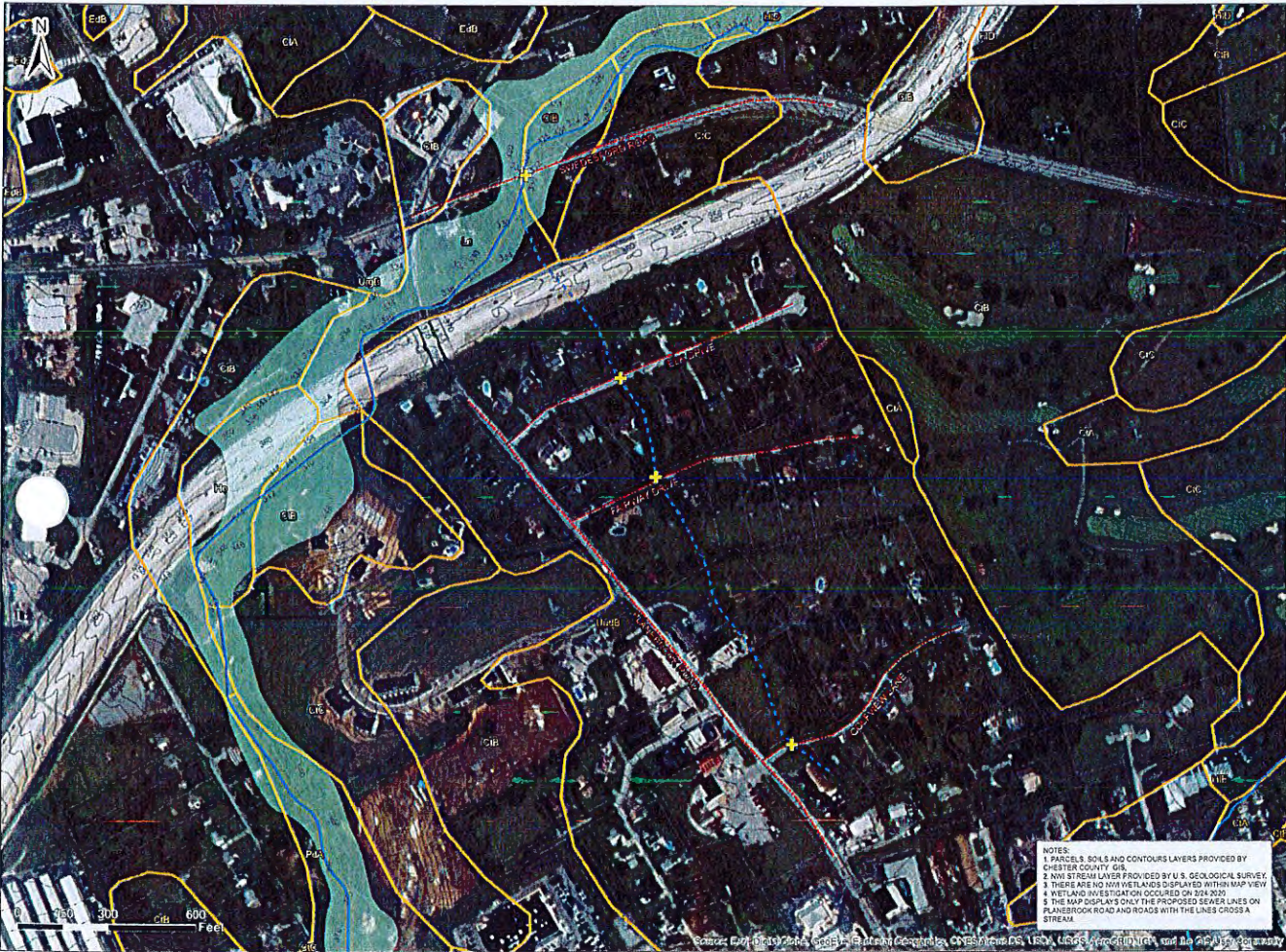
SHPO REVIEWER: _____ DATE: _____



NOTES:
 1. BACKGROUND MAPPING CONSISTS OF MALVERN 7.5 MINUTE USGS TOPOGRAPHIC MAP.

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed October 2018.

<p>USGS TOPOGRAPHIC MAP</p> <p>SANITARY SEWER STREAM CROSSINGS</p> <p>PLANEBROOK ROAD AREA</p> <p>East Whiteland Township,</p> <p>Chester County, Pennsylvania</p>		<p>Legend</p> <p> Site Location</p>	<p></p> <p>DISCLAIMER: This product is for informational purposes and may not have been, prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.</p>
<p>Date: 02/25/2020</p>	<p>Project #: 10310.28</p>	<p>0 1,000 2,000</p> <p> Feet</p>	<p>1 inch = 2,000 feet</p>



Project #: 10310.36

NATURAL RESOURCES MAP
PLANE BROOK ROAD AREA
SANITARY SEWER EXPANSION
 East Whiteland Township
 Chester County, Pennsylvania

- Legend**
- Stream Crossings
 - Proposed Sanitary Sewer lines
 - NWI Stream (LINT #1)
 - Located Tributary (LINT #2)
 - NWI Wetlands
 - FEMA Floodway
 - Parcels
 - Soils
 - 2-R Contours

1 inch = 300 feet

Date: 02/25/2020

Revisions:

DISCLAIMER:
 This product is for informational purposes and may not have been prepared for, or be suitable for legal engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

NOTES:
 1. PARCELS, SOILS AND CONTOURS LAYERS PROVIDED BY CHESTER COUNTY GIS.
 2. NWI STREAM LAYER PROVIDED BY U.S. GEOLOGICAL SURVEY.
 3. THESE ARE NO NWI WETLANDS DISPLAYED WITHIN MAP VIEW.
 4. WETLAND INVESTIGATION OCCURRED ON 02/24/2020.
 5. THE MAP DISPLAYS ONLY THE PROPOSED SEWER LINES ON PLANE BROOK ROAD AND ROADS WITH THE LINES CROSS A STREAM.

Source: Earthwatch, Inc. and the Planning Commission, CNES, PennDOT, USGS, LIDAR, Aerial, and other data.



Photograph 1. View of Swedesford Road facing east



Photograph 2. View of Unnamed Tributary to Valley Creek from Swedesford Road facing north.



Photograph 3. View of Elk Drive facing east.



Photograph 4. View of Elk Drive facing west.



Photograph 5. View of Fairway Drive facing east.



Photograph 6. View of Fairway Drive facing west.

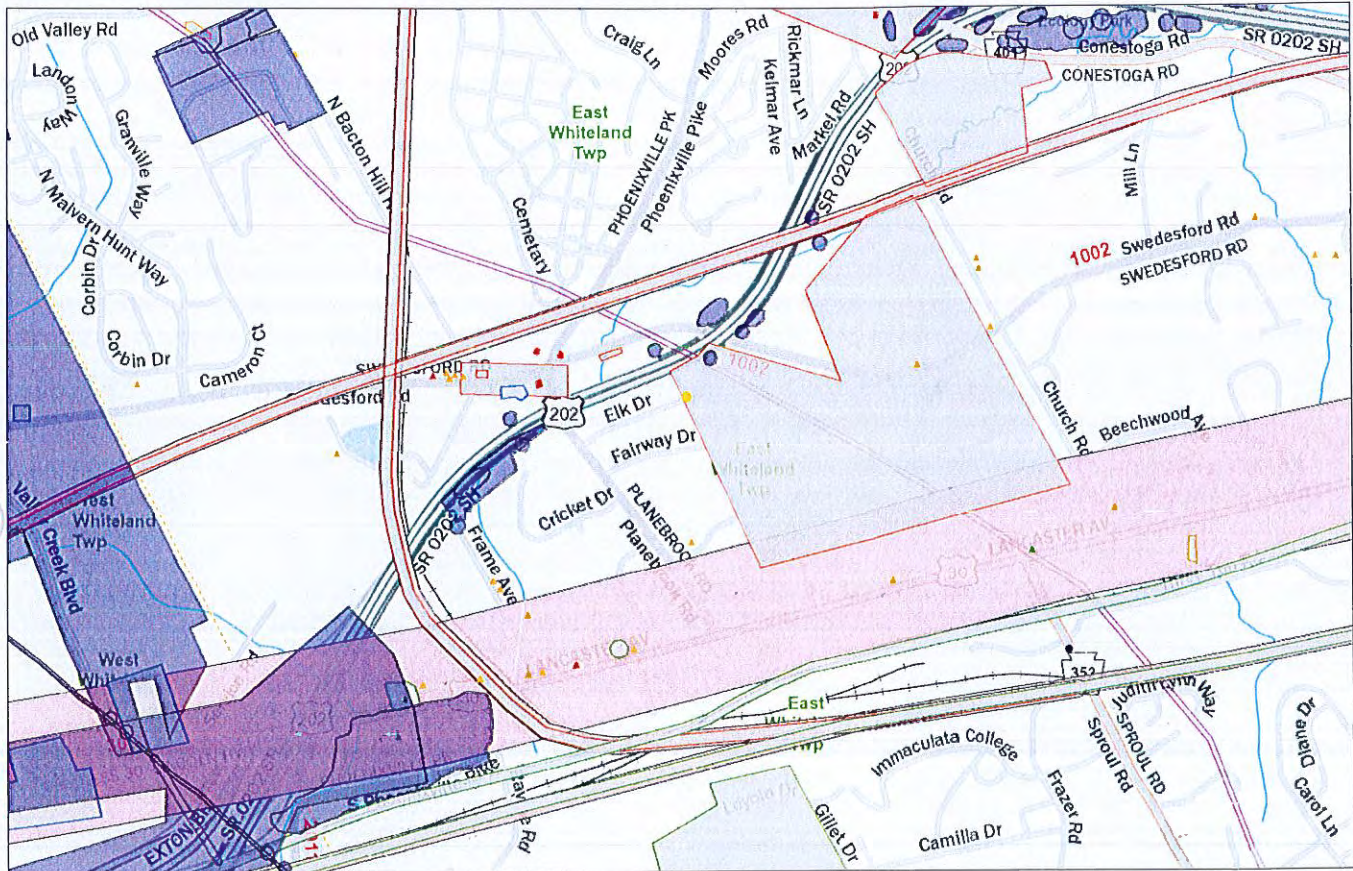


Photograph 7. View of Golf View Lane facing west.



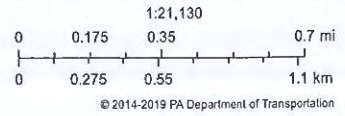
Photograph 8. View of unnamed tributary to Valley Creek from Golf View Lane facing north.

CRGIS Planebrook Road Sanitary Sewer Expansion



February 24, 2020

- | | | | | | |
|----------------|---------------------|---------------|-----------------|-------------------|---------------|
| Surveyed Areas | Undetermined | NHL - poly | Eligible | Ineligible - poly | Waterhouse |
| Bridge - point | Undetermined - poly | Listed | Eligible - poly | Aggregate | Lot/Lot Point |
| Bridge - poly | NHL | Listed - poly | Ineligible | HOA | |





Pennsylvania Historical & Museum Commission

PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on State and Federal Undertakings

SHPO USE ONLY		Reviewers: <u>MJSE</u>
DATE RECEIVED: <u>3/2/20</u>	DATE DUE: <u>3/31/20</u>	
ER NUMBER: <u>2016-1123-029-D</u>	HRSE: _____	

REV: 06/2018

SECTION A: PROJECT NAME & LOCATION

Is this a new submittal? YES NO OR This is additional information for ER Number:

Project Name Planebrook Road Area Sanitary Sewer Expansior County Chester Municipality East Whiteland Township
Project Address Planebrook Road City/State/ Zip Malvern PA 19355

SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name Mikah Schlesinger Phone 610-999-6150
Company ARRO Consulting, Inc. Fax _____
Street/PO Box 1450 E. Boot Road, Building 100-B Email mikah.schlesinger@arroconsulting.com
City/State/Zip West Chester PA 19380

SECTION C: PROJECT DESCRIPTION

This project is located on: (check all that apply) Federal property State property Municipal property Private property

List all federal and state agencies and programs providing funds, permits, licenses.	Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project includes (check all that apply): Construction Demolition Rehabilitation Disposition

Total acres of project area: 1.5 Total acres of earth disturbance: 1.5

Are there any buildings or structures within the project area? Yes No Approximate age of buildings: 30-40 years

Does this project involve properties listed in or eligible for the National Register of Historic Places, or designated as historic by a local government?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Unsure <input type="radio"/>	Name of historic property or historic districts
---	---------------------------	-------------------------------------	------------------------------	---

Please print and mail completed form and all attachments to:

PHMC
State Historic Preservation Office
400 North St.
Commonwealth Keystone Building, 2nd Floor
Harrisburg, PA 17120-0093

Attachments – Please include the following information with this form

- Map – 7.5' USGS quad showing project boundary and Area of Potential Effect
- Description/Scope – Describe the project, including any ground disturbance and previous land use
- Site Plans/Drawings – Indicate past and present land use, location and dates of buildings, and proposed improvements
- Photographs – Attach prints or digital photographs showing the project site, including images of all buildings and structures keyed to a site plan

SHPO DETERMINATION (SHPO USE ONLY)

- There are NO HISTORIC PROPERTIES in the Area of Potential Effect
- The project will have NO EFFECT on historic properties
- The project will have NO ADVERSE EFFECTS on historic properties:
- The project will have NO ADVERSE EFFECTS WITH CONDITIONS (see attached)
- SHPO REQUESTS ADDITIONAL INFORMATION (see attached)

SHPO REVIEWER: Douglas McKeapen

DATE: 3.12.2020

Exhibit M

Stormwater Management Narrative

Stormwater Management Impacts

County Stormwater Management Plan

The Chester County Planning Commission currently has a stormwater management plan in place. Most of East Whiteland Township (and all of the planning area for this 537 Plan) is situated in Valley Creek Watershed. The "Valley Creek Watershed Stormwater Management Plan" was approved by PADEP February 2011.

It should be noted that an Act 167 Plan is not a land use plan. Runoff controls developed in the plan are not based upon controlling the location, type, density or rate of development throughout the watersheds. The stormwater runoff performance standards are based on the assumptions that development will occur throughout the watersheds. The plan is designed to provide for new development yet control the associated storm runoff impacts. The most important aspect of an Act 167 (Stormwater Management) Plan is that it establishes a process for decision making...the peak flows and timing relationships provide for development for a runoff control philosophy geared toward minimizing the storm runoff impacts of new development.”

This particular stormwater management plan addresses the impacts of stormwater quality and quantity on groundwater and surface water resources, geomorphology, and aquatic habitat of the Valley Creek watershed.

The reason for preparing this Plan is to satisfy the requirements of the Pennsylvania Stormwater Management Act, Act 167 of 1978, and to establish scientifically-based stormwater management implementation strategies that restore and protect the water resources and maintain safe and productive communities.

From a consistency perspective, it appears that the plan to provide public sewer service to the Swedesford Road Area (to be served by low-pressure sewers) is consistent with the stormwater management plan.

The stormwater ordinance does not regulate the development. It simply regulates how the stormwater will be managed. As a consequence, prior to construction of this project, the appropriate stormwater and E&S measures will be taken. An E&S plan has been submitted to the Chester County Conservation District for review and approval.

Exhibit N

Comprehensive Plan Consistency

Comprehensive Plans

The Chester County Planning Commission (CCPC) Comprehensive Plan, entitled "Landscapes3," was adopted in November of 2018. The alternatives to provide public sanitary sewer service to accommodate needs areas in the planning area is consistent with the implementation strategy, policies and goals of the current Landscapes3 as shown in the Utilities and Infrastructure section of the plan.

East Whiteland Township adopted their Comprehensive Plan in July 2016. This plan emphasizes the importance of public utilities to Township infrastructure. The Swedesford Road Area is identified in this comprehensive plan as a future public sewer service area.

This Component 3m is consistent with the objectives set forth in Watersheds as well as the Township's Comprehensive Plan.

Exhibit O

Alternative Analysis

Alternative Analysis

This Act 537 Planning Module (Component 3m) has been prepared for East Whiteland Township (Township) at the request of the Pennsylvania Department of Environmental Protection (PA DEP) in accordance with Act 537 entitled the Pennsylvania Sewage Facilities Act, Title 25, Chapter 71 of the Pennsylvania Code and the Pennsylvania Department of Environmental Protection Act 537 Plan Content and Environmental Assessment Checklist. This planning module addresses the planning requirements necessary for the Township to provide public sanitary sewer service to existing developed properties.

For this planning module, the following pertinent information applies:

1. **Project Name:** Low-pressure Sanitary Sewer Service Extension.
2. **Project Description:**
 - Extend public low-pressure sanitary sewer service from a sanitary manhole to be located on Swedesford Road (just east of the intersection with North Bacton Hill Road) to existing properties located along Swedesford Road, east and west of its intersection with Planebrook Road.
3. **Applicant Name:** East Whiteland Township
4. **Applicant Contact:** John Neild; 209 Conestoga Road, Frazer, PA 19355
5. **Site Location:** Swedesford Road Area
6. **Municipality/County:** East Whiteland Township/Chester County

The primary focus of the planning module is to establish the means and methods for providing public sewer service to existing properties along Swedesford Road, immediately east and west of its intersection with Planebrook Road.

Flow projections identified in the planning module show the ultimate wastewater flow of 3,025 gpd, which encompasses 11 equivalent dwelling units.

In considering alternatives for this project, there are two primary alternatives:

1. Do nothing and continue to utilize the existing on-lot disposal systems.

2. Provide public sewer service (via a low-pressure sewer extension) to the identified properties.

To provide this type of service, a connection will need to be made at a new sanitary manhole located just east of the intersection of Swedesford Road and North Bacton Hill Road. All work shall be within the roadway and existing public right-of-way.

Wastewater will ultimately be collected and conveyed to the Whiteland Village Interceptor Extension which has the capacity to handle the proposed peak flow. From this interceptor, flow will be conveyed to the Mill Lane Pump Station. Wastewater will exit East Whiteland Township at the Matthews Road meter.

The extension of the low-pressure sewer was chosen over the no action alternative. This area was previously defined and approved as a public sewer service area in approved Act 537 Planning in 2011. To accommodate the public sewer needs for the above referenced parcels, low pressure sewer is necessary.

Exhibit P

Institutional Evaluation

Institutional Evaluation

For the proposed low-pressure sewer extension, the East Whiteland Township will prepare the design. In addition, the Township will obtain all of the necessary permits and pay for the construction of the sewer extension.

The individual property owners shall be responsible for contracting with a plumber and installing their own lateral to connect to the sewer main.

The Township will purchase and supply grinder pumps to each property owner that will need one. The Township will not keep any spare grinder pump systems on-hand in the event of a failure.

Property owners will receive their pump system, they will have their plumber install and connect to the lateral at the right of way line. Operation and maintenance will be the responsibility of the property owner.

Exhibit Q

Project Implementation Schedule

Implementation Schedule

Months from DEP Approval

Receive PA DEP Approval	-----
Submit Permit Applications to PADEP and PADOT	2
Obtain Permits from PADEP and PADOT	4
Advertise Project for Bidding	4
Receive Bids	5
Award Project	6
Notice To Proceed	7
Substantial Completion	14
Final Completion	15

Exhibit R

Project Narrative

Project Narrative

This Act 537 Planning Module (Component 3m) has been prepared for East Whiteland Township (Township) at the request of the Pennsylvania Department of Environmental Protection (PA DEP) in accordance with Act 537 entitled the Pennsylvania Sewage Facilities Act, Title 25, Chapter 71 of the Pennsylvania Code and the Pennsylvania Department of Environmental Protection Act 537 Plan Content and Environmental Assessment Checklist. This planning module addresses the planning requirements necessary for the Township to provide public sanitary sewer service to existing developed properties.

For this planning module, the following pertinent information applies:

1. **Project Name:** Low-pressure Sanitary Sewer Service Extension.
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 - Extend public low-pressure sanitary sewer service from a sanitary manhole to be located on Swedesford Road (just east of the intersection with North Bacton Hill Road) to existing properties located along Swedesford Road, east and west of its intersection with Planebrook Road.
3. **Applicant Name:** East Whiteland Township
4. **Applicant Contact:** John Neild; 209 Conestoga Road, Frazer, PA 19355
5. **Site Location:** Swedesford Road Area
6. **Municipality/County:** East Whiteland Township/Chester County

The primary focus of the planning module is to establish the means and methods for providing public sewer service to existing properties along Swedesford Road, immediately east and west of its intersection with Planebrook Road.

Flow projections identified in the planning module show the ultimate wastewater flow of 3,025 gpd, which encompasses 11 equivalent dwelling units.

In considering alternatives for this project, there are two primary alternatives:

1. Do nothing and continue to utilize the existing on-lot disposal systems.
2. Provide public sewer service to the identified properties.

To provide this type of service, a connection will need to be made at a new sanitary manhole located just east of the intersection of Swedesford Road and North Bacton Hill Road. All work shall be within the roadway and existing public right-of-way.

Wastewater will ultimately be collected and conveyed to the Whiteland Village Interceptor Extension which has the capacity to handle the proposed peak flow. From this interceptor, flow will be conveyed to the Mill Lane Pump Station. Wastewater will exit East Whiteland Township at the Matthews Road meter.

Please refer to the enclosed plan sheet that identifies the area to be served. The parcels in the planning area are located in the residential zoning districts with some parcels in the Village Mixed Use district. The Q in some of the parcel numbers refers to 'Village Mixed Use'.

Currently, 11 parcels are to be served. There is collection and conveyance capacity for the planned flow of 3,025 gpd (based on 275 gpd/EDU). Affected parcels are in the blue box below.

SEWDESFORD ROAD AREA LATERAL LOCATIONS

Swedesford Road Sewer

PROPERTY	ADDRESS	APPROXIMATE LATERAL LOCATION	SYSTEM TYPE
42-3-132	563 Swedesford Road	6+15 S	Gravity
42-3-133.1	610 Swedesford Road	2+00 S	Gravity
42-3-185	605 Swedesford Road	2+52 S	Gender Pump
42-3-187	603 Swedesford Road	2+52 S	Gender Pump
42-3-185	532 Swedesford Road	0+33 S	Gender Pump
42-3-189	522 Swedesford Road	11+27 S	Gender Pump
42-3-190	514 Swedesford Road	14+37 S	Gender Pump
42-3-111.7	511 Swedesford Road	14+43 N	Gender Pump
42-3-111.6	509 Swedesford Road	17+04 N	Gender Pump
42-3-111.5	507 Swedesford Road	18+02 N	Gender Pump
42-3-111.4	505 Swedesford Road	19+59 N	Gender Pump
42-3-111.3	503 Swedesford Road	19+75 N	Gender Pump
42-3-111	503 Swedesford Road	20+47 N	Gender Pump