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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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)

<table>
<thead>
<tr>
<th>DEP CODE #</th>
<th>CLIENT ID #</th>
<th>SITE ID #</th>
<th>APS ID #</th>
<th>AUTH ID #</th>
</tr>
</thead>
</table>

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
East Whiteland Township

County
Chester

City

Boro

Twp

Municipality Contact - Last Name
Neil

First Name
John

MI

Suffix
Title
Director of Public Works

Additional Individual - Last Name

First Name

MI

Suffix
Title

Municipality Mailing Address Line 1
209 Conestoga Road

Mailing Address Line 2

Address Last Line - City

State

ZIP+4

Framer

PA

19355

Phone + Ext.

610-948-0600

FAX (optional)

Email (optional)
jneil@eastwhiteland.org
C. SITE INFORMATION (See Section C of instructions)

Site Name
Swedesford Road (Low Pressure Sewer Extension)

Te Location Line 1
Immediately North of Rt. 202 and near the Intersection of
Planebrook Road and Swedesford Road

Site Location Line 2

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 onto 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.
Neilid John

Site Contact Title
Director of Public Works

Site Contact Firm (if none, leave blank)

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

Phone Ext.
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.

b. Lot lines and lot sizes.

c. Adjacent lots.

d. Existing and proposed sewerage facilities.

e. Show tap-in or sewer extension to the point of connection to existing collection system.

f. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.)

g. Existing and proposed rights-of-way.

h. Existing and proposed streets, roadways, access roads, etc.

i. Any designated recreational or open space area


k. Flood plains or Floodprone area soils, floodways, watercourses, water bodies (from Federal Flood Insurance Mapping)

l. Prime Agricultural Land.

m. Any other facilities (pipelines, power lines, etc.)

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.

<table>
<thead>
<tr>
<th>Collection</th>
<th>Conveyance</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average</td>
<td>Peak</td>
<td>Average</td>
</tr>
<tr>
<td>3025</td>
<td>7563</td>
<td>0</td>
</tr>
<tr>
<td>319000</td>
<td>797502</td>
<td>224460</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Cost and Funding Information (Estimated)</th>
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<tbody>
<tr>
<td><strong>COST</strong></td>
<td></td>
</tr>
<tr>
<td>Construction cost</td>
<td>$ 45000</td>
</tr>
<tr>
<td>Administrative, legal, engineering cost</td>
<td>$ 67500</td>
</tr>
<tr>
<td>Total project cost</td>
<td>$ 51750</td>
</tr>
<tr>
<td>Annual O/M cost</td>
<td>$ 6000</td>
</tr>
<tr>
<td><strong>FUNDING</strong></td>
<td></td>
</tr>
<tr>
<td>Tap-in fees ($ per EDU X no. EDUs)</td>
<td>$ 44000</td>
</tr>
<tr>
<td>Proceeds from primary funding source</td>
<td>$ 473500</td>
</tr>
<tr>
<td>Proceeds from other funding sources</td>
<td>$ 0</td>
</tr>
<tr>
<td><strong>USER COSTS</strong></td>
<td></td>
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<tr>
<td>Initial user base</td>
<td>11 EDUs</td>
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<tr>
<td>Monthly debt service per EDU</td>
<td>$ 0</td>
</tr>
<tr>
<td>Monthly O/M cost per EDU</td>
<td>$ 50</td>
</tr>
<tr>
<td>Total estimated monthly user cost per EDU</td>
<td>$ 50</td>
</tr>
</tbody>
</table>

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
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 Neil

Agent Signature

Date 1/21/21

d. Conveyance System

Name of Agency, Authority, Municipality East Whiteland Township

Name of Responsible Agent John Neil

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
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- 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.

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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.

<table>
<thead>
<tr>
<th></th>
<th>a. Design and/or Permitted Capacity (gpd)</th>
<th>b. Present Flows (gpd)</th>
<th>c. Projected Flows in 5 years (gpd)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Average</td>
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<td>Average</td>
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<td>Collection</td>
<td>3025</td>
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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 ____________________________ Sign and Date Here
Name of Responsible Agent ____________________________
Agent Signature __________________________________________
Date __________________________________________

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

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□ Yes  □ No

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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
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- Water supplies
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**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.

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2. Total Sewage Flows to Facilities
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   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.

<table>
<thead>
<tr>
<th></th>
<th>a. Design and/or Permitted Capacity (gpd)</th>
<th>b. Present Flows (gpd)</th>
<th>c. Projected Flows in 5 years (gpd)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Average</td>
<td>Peak</td>
<td>Average</td>
</tr>
<tr>
<td>Collection</td>
<td>3025</td>
<td>7563</td>
<td>0</td>
</tr>
<tr>
<td>Conveyance</td>
<td>319000</td>
<td>797502</td>
<td>224460</td>
</tr>
<tr>
<td>Treatment</td>
<td>11,750,000</td>
<td>32,000,000</td>
<td>7,512,000</td>
</tr>
</tbody>
</table>

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 S. Goldberg

Agent Signature: 

Date: 1/30/21

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@aquaamerica.com.

Regards,

\[Signature\]

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 or
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)

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Does there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P. S. 10101 et seq.)? Landscapes3, the Chester County Comprehensive Plan, was adopted in 2018. Watersheds, the Chester County Comprehensive Plan Integrated Water Resources Element, was adopted in 2002.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Is this proposal consistent with the comprehensive plan for land use? According to the Landscapes3 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.</td>
<td></td>
</tr>
</tbody>
</table>

| X   |   |
| 3. |   |
| Does this proposal meet the goals and objectives of the plan? If no, describe goals and objectives that are not met |

| X   |   |
| 4. |   |
| Does this proposal consistent with the use, development, and protection of water resources? If no, describe inconsistency. Landscapes3 Project 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. |

| X   |   |
| 5. |   |
| Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation? If no, describe inconsistencies: |

|       |   |
| 6. |   |
| Does this project propose encroachments, obstructions, or dams that will affect wetlands? If yes, describe impact: |

|       |   |
| 7. |   |
| Will any known historical or archaeological resources be impacted by this project? Not Known. If yes, describe impacts |

|       |   |
| 8. |   |
| Will any known endangered or threatened species of plant or animal be impacted by the development project? |

|       |   |
| 9. |   |
| Is there a county or areawide zoning ordinance? |

|       |   |
| 10. |   |
| Does this proposal meet the zoning requirements of the ordinance? **N/A** |
### SECTION C. AGENCY REVIEW (continued)

|   |   | 11. Have all applicable zoning approvals been obtained? N/A |
|   |   | 12. Is there a county or area wide subdivision and land development ordinance? No |
|   |   | 13. Does this proposal meet the requirements of the ordinance? N/A |
|   |   |   If no, describe which requirements are not met |
|   |   | 14. Is this proposal consistent with the municipal Act 537 Official Sewage Facilities Plan? |
|   |   |   If no, describe inconsistency |
|   |   | 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 |
|   |   | 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 |
|   |   | 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? 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. |

18. Name, Title and signature of person completing this section:

Name: Carrie J. Conwell  
Title: Senior Environmental Planner  
Signature: [Signature]

Date: 4/19/2021

Name of County or Area wide Planning Agency: Chester County Planning Commission

Address: Government Services Center, Suite 270  
601 Westown Road  
P.O. Box 2747  
West Chester, PA 19380-0900  
Telephone Number: (610) 344-6235

### 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
### 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.

<table>
<thead>
<tr>
<th>SECTION A. PROJECT NAME (See Section A of Instructions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Name</td>
</tr>
<tr>
<td>Swedesford Road Area Low-Pressure Sewer Extension</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SECTION B. REVIEW SCHEDULE (See Section B of instructions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Date plan received by municipal planning agency</td>
</tr>
<tr>
<td>2. Date review completed by agency</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECTION C. AGENCY REVIEW (See Section C of instructions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
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<tr>
<td>-----</td>
</tr>
<tr>
<td>1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, et seq.)?</td>
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<tr>
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<tr>
<td>2. Is this proposal consistent with the comprehensive plan for land use?</td>
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<tr>
<td>3. Is this proposal consistent with the use, development, and protection of water resources?</td>
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<tr>
<td></td>
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<tr>
<td>4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?</td>
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<tr>
<td></td>
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<tr>
<td>5. Does this project propose encroachments, obstructions, or dams that will affect wetlands?</td>
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<tr>
<td></td>
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<tr>
<td>6. Will any known historical or archaeological resources be impacted by this project?</td>
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<tr>
<td></td>
</tr>
<tr>
<td>7. Will any known endangered or threatened species of plant or animal be impacted by this project?</td>
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<tr>
<td></td>
</tr>
<tr>
<td>8. Is there a municipal zoning ordinance?</td>
</tr>
<tr>
<td></td>
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<tr>
<td>9. Is this proposal consistent with the ordinance?</td>
</tr>
<tr>
<td></td>
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<tr>
<td>10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>11. Have all applicable zoning approvals been obtained?</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>12. Is there a municipal subdivision and land development ordinance?</td>
</tr>
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<td></td>
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</tbody>
</table>
SECTION C. AGENCY REVIEW (continued)

13. Is this proposal consistent with the ordinance?
   Yes ☐  No ☐
   If no, describe the inconsistencies

14. Is this plan consistent with the municipal Official Sewage Facilities Plan?
   Yes ☐  No ☐
   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?
   Yes ☐  No ☐
   If yes, describe

16. Has a waiver of the sewage facilities planning requirements been requested for the residual
    tract of this subdivision?
   Yes ☐  No ☐
   If yes, is the proposed waiver consistent with applicable ordinances?
   Yes ☐  No ☐
   If no, describe the inconsistencies

17. Name, title and signature of planning agency staff member completing this section:
    Name: Zemery Zemery
    Title: Director of Planning + Development
    Signature: ________________
    Date: 3/29/21

    Name of Municipal Planning Agency: East Whiteland Township Planning Comm
    Address: 209 Conestoga Road, Frazer, PA 19355
    Telephone Number: 610-891-4265

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)

1. Date plan received by county or joint county health department: 2-26-21
   Agency name: Chester County Health Department

2. Date review completed by agency: 3-2-21

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Is the proposed plan consistent with the municipality’s Official Sewage Facilities Plan?</td>
</tr>
<tr>
<td></td>
<td>If no, what are the inconsistencies?</td>
</tr>
<tr>
<td>2.</td>
<td>Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?</td>
</tr>
<tr>
<td></td>
<td>If yes, describe</td>
</tr>
<tr>
<td>3.</td>
<td>Is there any known groundwater degradation in the area of this proposal?</td>
</tr>
<tr>
<td></td>
<td>If yes, describe</td>
</tr>
<tr>
<td>4.</td>
<td>The county or joint county health department recommendation concerning this proposed plan is as follows: Accept as long as all local land ordinances are met</td>
</tr>
</tbody>
</table>

5. Name, title and signature of person completing this section:
   Name: Ross Fisher
   Title: SEQ CCHD
   Signature: [Signature]
   Date: 3-2-21

   Name of County Health Department: Chester County
   Address: 601 West Town Rd W. Chester, PA 19380
   Telephone Number: [210] 344-6000

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

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<thead>
<tr>
<th>Agency</th>
<th>Results</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA Game Commission</td>
<td>No Known Impact</td>
<td>No Further Review Required</td>
</tr>
<tr>
<td>PA Department of Conservation and Natural Resources</td>
<td>No Known Impact</td>
<td>No Further Review Required</td>
</tr>
<tr>
<td>PA Fish and Boat Commission</td>
<td>No Known Impact</td>
<td>No Further Review Required</td>
</tr>
<tr>
<td>U.S. Fish and Wildlife Service</td>
<td>Avoidance Measure</td>
<td>See Agency Response</td>
</tr>
</tbody>
</table>

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.
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, cut/fill and intake structures, wells, stormwater 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](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

PA Fish and Boat Commission
Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@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 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: AARQ Consulting, Inc.
Address: 1140 East Bart Road, Suite 100-B
City, State, Zip: West Chester, PA
Phone: (484) 999-6150
Fax: 
Email: mikah.schlesinger@aarqconsulting.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
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.
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

SECTION A: PROJECT NAME & LOCATION

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

Project Name: Planebrok Road Area Sanitary Sewer Expansion
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
Company: ARRO Consulting, Inc.
Street/PO Box: 1450 E. Boot Road, Building 100-B
City/State/Zip: West Chester, PA 19380
Phone: 610-999-6150
Fax:
Email: mikah.schlesinger@arroconsulting.com

SECTION C: PROJECT DESCRIPTION

This project is located on:
☐ 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 ☐ 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, 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 ADVERSE EFFECTS on historic properties
☐ SHPO REQUESTS ADDITIONAL INFORMATION (see attached)

SHPO REVIEWER: ___________________________ DATE: ____________
USGS TOPOGRAPHIC MAP
SANITARY SEWER STREAM CROSSINGS PLANEBROOK ROAD AREA
East Whiteland Township, Chester County, Pennsylvania

Legend
- Site Location

Date: 02/25/2020  Project #: 10310.28

Feet  1 inch = 2,000 feet

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; USGS 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.

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.
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.
**PROJECT REVIEW FORM**

Request to Initiate SHPO Consultation on State and Federal Undertakings

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**SECTION A: PROJECT NAME & LOCATION**

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

- **Project Name:** Planebrook Road Area Sanitary Sewer Expansion
- **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
- **Company:** ARRO Consulting, Inc.
- **Street/PO Box:** 1450 E. Boot Road, Building 100-B
- **City/State/Zip:** West Chester PA 19380
- **Phone:** 610-999-6150
- **Fax:**
- **Email:** mikah.schlesinger@arroconsulting.com

---

**SECTION C: PROJECT DESCRIPTION**

- **This project is located on:** ☑ Municipal 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

- **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
- **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

---

**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 ADVERSE EFFECTS WITH CONDITIONS (see attached)
- [x] The project will have NO EFFECT on historic properties
- [ ] SHPO REQUESTS ADDITIONAL INFORMATION (see attached)
- [ ] The project will have NO ADVERSE EFFECTS on historic properties

**SHPO REVIEWER:**

[Signature]

**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
<table>
<thead>
<tr>
<th>Implementation Schedule</th>
<th>Months from DEP Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive PA DEP Approval</td>
<td>---------------</td>
</tr>
<tr>
<td>Submit Permit Applications to PADEP and PADOT</td>
<td>2</td>
</tr>
<tr>
<td>Obtain Permits from PADEP and PADOT</td>
<td>4</td>
</tr>
<tr>
<td>Advertise Project for Bidding</td>
<td>4</td>
</tr>
<tr>
<td>Receive Bids</td>
<td>5</td>
</tr>
<tr>
<td>Award Project</td>
<td>6</td>
</tr>
<tr>
<td>Notice To Proceed</td>
<td>7</td>
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<tr>
<td>Substantial Completion</td>
<td>14</td>
</tr>
<tr>
<td>Final Completion</td>
<td>15</td>
</tr>
</tbody>
</table>
Exhibit R

Project Narrative
Project Narrative

This Act 537 Planning Module (Component 3m) has been prepared for East Whiteland 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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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.

---

**Swedesford Road Area Lateral Locations**

Swedesford Road Sewer

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>ADDRESS</th>
<th>APPROXIMATE LATERAL LOCATION</th>
<th>SYSTEM TYPE</th>
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