COUNTY OF ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

October 28, 2019

Maureen Golan, EIT
PVE Engineering
Waterfront Corporate Park III, Suite 101
2000 Georgetowne Drive
Sewickley, PA 15143

RE: SEWAGE FACILITIES PLANNING MODULE; 2908 Smallman Land Development
City of Pittsburgh, ALLEGHENY COUNTY

Dear Ms. Golan:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on October 25, 2019. The project proposes the following:

Project Description:	2908 Smallman Land Development. Proposing to consolidate two parcels (lot 25-G-40 with the adjacent empty tract of land 29-F-194) and renovate an existing warehouse (lot 25-G-40) into 30 studio/one-bedroom apartments (2nd & 3rd floor) and fitness center (1st floor) located at 2908 & 2916 Smallman Street in the City of Pittsburgh, Allegheny County.
Sewage Flow:	6,500 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water & Sewer Authority (PWSA) collection system in Mulberry Way to ALCOSAN POC A-20 to the Allegheny River interceptor and then to the ALCOSAN Treatment Plant at Woods Run
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN

Please be advised that a permit must be obtained from the Allegheny County Health Department's (ACHD) Plumbing Section prior to commencing any plumbing work for the proposed project. Plumbing work for which an ACHD Plumbing Permit must be obtained includes any plumbing work done on the site and any sewers, which will not be owned and operated by a municipality or a sewer authority.

KAREN HACKER, MD, MPH, DIRECTOR
ALLEGHENY COUNTY HEALTH DEPARTMENT
PUBLIC DRINKING WATER AND WASTE MANAGEMENT PROGRAM
3901 PENN AVENUE • BUILDING 5 • PITTSBURGH, PA 15224-1318
PHONE: 412.578.8040 • FAX: 412.578.8053 • WWW.ACHD.NET

In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, Ivo Miller, Plumbing Program Manager at 412-578-8393.

The ACHD has no objection to the approval of this project. If you have any questions, please call me at 412-578-8046.

Sincerely,

Freddie Fields, M.B.A.
Environmental Health Engineer III
Water Pollution Control & Solid Waste Management

FF/cb
Enclosure

cc: Thomas Flanagan, PA DEP w/attachment (electronically)
Ivo Miller, ACHD w/attachment (electronically)

alcosan allegheny county sanitary authority ™

October 22, 2019

Ms. Maureen Golan, EIT
PVE, LLC
Waterfront Corporate Park III, Suite 101
2000 Georgetown Drive
Sewickley, PA 15143

Re: 2908 Smallman Land Development – City of Pittsburgh, 6th Ward
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure A-20-00

Dear Ms. Golan:

We have reviewed the Component 3 Planning Module for the referenced project to be located in 6th Ward of the City of Pittsburgh. The project will generate a peak flow of 6,500 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity at the A-20-00 Regulator Structure is approximately 4.01 MGD. The monitored peak dry weather flow is approximately 69,000 gpd. Dry weather capacity exists for this connection. However, the ALCOSAN Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN requests that this letter be made part of the planning module submission. The signed Component 3 Planning Module is attached. The sewers in this project are to be designed as separated sanitary and storm sewers. If you have any questions regarding this matter, please contact me at 412-732-8053.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Shawn P. McWilliams, EIT
Civil Engineer

Attachment

cc C. Dean (w/o attachment)
D. Thornton (w/o attachment)
M. Lichte (w/o attachment)
Barry King, PWSA (w/o attachment)
Thomas Flanagan, PADEP (w/o attachment)
Mike Moskorisin, ACHD (w/o attachment)

Pennsylvania Corporate Headquarters
Waterfront Corporate Park III Suite 101
2000 Georgetowne Drive
Sewickley, PA 15143
724.444.1100
www.pve-llc.com

Civil Engineering • Energy • Environmental • Land Development • Landscape Architecture • Municipal • Structure Design • Survey

CERTIFIED MAIL

October 7, 2019
161647

POC: A-20

RECEIVED
10/8/19

Mr. Michael Lichte, P.E., Manager of Planning
Allegheny County Sanitary Authority (ALCOSAN)
3300 Preble Avenue
Pittsburgh, PA 15233

RE: Sewage Facilities Planning Module for
2908 Smallman Land Development
City of Pittsburgh, Allegheny County

Mr. Lichte:

Please find enclosed the Planning Module Component 3 prepared for the above referenced project for you to review. If the information provided is acceptable, please include your flow data in Section J and sign in the appropriate locations.

2908 Associates, LLC is proposing to develop the consolidated lot (25-G-40) with addresses 2908 Smallman Street (apartments) and 2916 Smallman Street (Mecka Fitness) into 30 studio apartments and a fitness center. The proposed site will be serviced by a gravity operated collection system which will be owned and operated by Pittsburgh Water and Sewer Authority. The flows will then be conveyed into an existing ALCOSAN interceptor and into the ALCOSAN sewage treatment plant. This development will generate approximately 6,500 gallons per day into the system.

Once we receive the signed and completed Component 3 and the completed Municipal and County reviews (Components 4A & 4C), we will make the appropriate number of copies and mail the entire Planning Module package to the City of Pittsburgh along with the required Resolution for Adoption by Council.

If you have any questions or require additional information, please do not hesitate to call.

Sincerely,
PVE, LLC

Maureen Golan

Maureen Golan, EIT
Enclosures

New York
48 Springside Avenue
Poughkeepsie, NY 12603
845.454.2544

Manhattan
708 West 39th Street
Suite 500
New York, NY 10018
646.602.4999

West Virginia
1700 MacCorkle Avenue, S.E.
Charleston, WV 25314
304.340.4821

Ohio
1156 E. State Street
Salem, OH 44460
330.332.5200

Texas
10550 Richmond Avenue
Suite 160
Houston, TX 77042
713.375.1400 ext. 456

Pittsburgh Water & Sewer Authority

October 7, 2019

Ms. Maureen Golan, EIT
PVE, LLC
Waterfront Corporate Park III
2000 Georgetowne Drive, Suite 101
Sewickley, PA 15143-8992

Subject: Pennsylvania Department of Environmental Protection (PaDEP)
Sewage Facilities Planning Module (SFPM) – Component 3 Form
Chapter 94 Consistency Determination
2908 Smallman Street Development

Dear Ms. Golan:

Pursuant to your request, we have reviewed the DEP Sewage Facilities Planning Module for the 2908 Smallman Street Development (Project) located at 2908 Smallman Street, Pittsburgh, PA 15201. We have determined that the proposed Project will not create a dry-weather hydraulic overload within the next five (5) years for any collection facility owned by the Pittsburgh Water and Sewer Authority (PWSA). Please refer to the enclosed and approved "Section J – Chapter 94 Consistency Determination". A copy of the DEP-approved Sewage Facilities Planning Module shall be provided to the PWSA prior to the issuance of the Tap-In Permit for connection to the existing waterline and/or sewerline.

Please be advised that the Sewage Facilities Planning Module shall not be considered complete by the DEP until approved by the Allegheny County Sanitary Authority (ALCOSAN) and Pittsburgh City Council (Council). For additional information, please contact Michael Lichte (412-734-6209) at ALCOSAN or Leslie Stevens (412-255-2005) at the City of Pittsburgh Law Department. Please note that a City Resolution shall be requested prior to Council approval.

Our review was based on information provided by your firm under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x5532 or RHerring@pgh2o.com.

Sincerely,

Robert Herring, P.E.
Engineering Consultant

Enclosures

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Julie Asciolla – PWSA (via email)
Thomas Flanagan – DEP (via email)
Leslie Stevens – City of Pittsburgh Law Department (via email)
Michael Lichte, P.E. – ALCOSAN (via email)
eBuilder File (via email)

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Customer Service / Emergencies:
412.255.2423

PGH2O Pittsburgh Water & Sewer Authority

MEMO

To: Barry King, P.E.

From: Robert Herring, P.E.

Date: September 30, 2019

Subject: DEP Sewage Facilities Planning Module – Component 3

Chapter 94 Consistency Determination

Hydraulic Calculation Review

2908 Smallman Street Development

Dear Barry,

Pursuant to your request, we have reviewed the DEP Sewage Facilities Planning Module – Component 3 as submitted by PVE, LLC (Applicant) for the 2908 Smallman Street Development (Project) located at 2908 Smallman Street, Pittsburgh, PA 15201. In accordance with Title 25 of the Pennsylvania Code, the Pittsburgh Water and Sewer Authority (PWSA) is required to prepare an annual Wasteload Management Report on the collection and conveyance of wastewater relative to available capacity. Our review was conducted to understand how the proposed Project will impact available dry-weather capacity and whether the proposed flows will contribute to a dry-weather hydraulic overload within the next five (5) years. Please note that a dry-weather hydraulic overload shall require denial of the Sewage Planning Module and submission of a Corrective Action Plan to the PaDEP.

Based on the foregoing, we have determined that the proposed Project will not contribute to a dry-weather hydraulic overload within the next five years. Please refer to the enclosed hydraulic calculations for the proposed tie-in location. Upon your approval, please sign the enclosed "Section J - Chapter 94 Consistency Determination" from the DEP Sewage Facilities Planning Module – Component 3, as indicated.

Our review was based on information provided by the Applicant under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly.

Yours truly,

Robert Herring, P.E.
Engineering Consultant

Enclosures

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Pittsburgh PA 15222

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@pgh2o

Customer Service / Emergencies:
412.255.2423

PGH2O Pittsburgh Water & Sewer Authority

October 7, 2019

Mr. Thomas Flanagan
PA Department of Environmental Protection
Clean Water Program
400 Waterfront Drive
Pittsburgh, PA 15222

Subject: Pennsylvania Department of Environmental Protection (PaDEP)
Sewage Facilities Planning Module – Component 3 Form
Tap Allocation Authorization Letter

Dear Mr. Flanagan:

Please be advised that the Pittsburgh Water and Sewer Authority (PWSA) authorizes the sewer taps associated with the following Project:

Project Name:	2908 Smallman Street Development
Project Address:	2908 Smallman Street Pittsburgh, PA 15201
Proposed Flow, gpd:	**6,500**
EDU's, 400gpd/EDU:	**16.25**

Our review is based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x5532 or RHerring@pgh2o.com.

Sincerely,

Robert Herring, P.E.
Consultant - Engineering

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Julie Asciolla – PWSA (via email)
PVE, LLC (via email)
Regis Ryan – PaDEP (via email)
eBuilder File (via email)

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SEWAGE FACILITIES PLANNING MODULE
COMPONENT 3

2908 SMALLMAN

SITUATE IN:
CITY OF PITTSBURGH
ALLEGHENY COUNTY, PENNSYLVANIA

PREPARED FOR:
2908 Associates, LLC
1802 Frick Building, 437 Grant Street
Pittsburgh, PA 15219

161647

July 7, 2019
Revisions September 30, 2019

Waterfront Corporate Park III – 2000 Georgetowne Drive – Suite 101 – Sewickley, PA 15143
Phone: 724-444-1100 - Fax: 724-444-1104

TABLE OF CONTENTS

3800-FM-BPNPSM0353 Rev. 2/2015
Form

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Code No.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

This planning module component is used to fulfill the planning requirements of Act 537 for the following types of projects: (1) a subdivision to be served by sewage collection, conveyance or treatment facilities, (2) a tap-in to an existing collection system with flows on a lot of 2 EDU's or more, or (3) the construction of, or modification to, wastewater collection, conveyance or treatment facilities that will require DEP to issue or modify a Clean Streams Law permit. Planning for any project that will require DEP to issue or modify a permit cannot be processed by a delegated agency. Delegated agencies must send their projects to DEP for final planning approval.

This component, 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.

REVIEW FEES: Amendments to the Sewage Facilities Act established fees to be paid by the developer for review of planning modules for land development. These fees may vary depending on the approving agency for the project (DEP or delegated local agency). Please see section R and the instructions for more information on these fees.

NOTE: All projects must complete Sections A through I, and Sections O through R. Complete Sections J, K, L, M and/or N if applicable or marked ☒.

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name 2908 SMALLMAN

2. Brief Project Description INTERIOR RENOVATION AT 2908 SMALLMAN STREET, RESULTING IN 30 STUDIO/ONE-BEDROOM APARTMENTS AND ONE FITNESS CENTER.

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

Municipality Name	County	City	Boro	Twp
PITTSBURGH	ALLEGHENY	☒	☐	☐

Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
SMITH	BENJAMIN	I		Assistant City Solicitor

Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1	Mailing Address Line 2
CITY-COUNTY BUILDING	414 GRANT STREET

Address Last Line -- City	State	ZIP+4
PITTSBURGH	PA	15219

Area Code + Phone + Ext.	FAX (optional)	Email (optional)
412-255-2014		benjamin.smith@pittsburghpa.gov

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name
2908 SMALLMAN

Site Location Line 1	Site Location Line 2
2908 SMALLMAN STREET	

Site Location Last Line -- City	State	ZIP+4	Latitude	Longitude
PITTSBURGH	PA	15201	40.458621	-79.974392

Detailed Written Directions to Site FROM THE CITY OF PITTSBURGH, HEAD NORTHEAST ON GRANT STREET TOWARDS SIXTH AVENUE. CONTINUE ON LIBERTY AVE FOR 1.2 MILES. TURN LEFT ONTO 27TH STREET, THEN TURN IMMEDIATELY ONTO SMALLMAN STREET. THE PROJECT SITE WILL BE ON THE RIGHT.

Description of Site

Site Contact (Developer/Owner)

Last Name	First Name	MI	Suffix	Phone	Ext.
MULLIN	ROBERT	S		917-658-5289	

Site Contact Title	Site Contact Firm (if none, leave blank)
MANAGING MEMBER	PENROSE ADVISORS, LLC
FAX	Email
	ROBERT@PENROSEADVISORS.NET
Mailing Address Line 1	Mailing Address Line 2
1802 FRICK BUILDING	437 GRANT STREET

Mailing Address Last Line -- City	State	ZIP+4
PITTSBURGH	PA	15219

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

Last Name	First Name	MI	Suffix
GOLAN	MAUREEN	S	

Title	Consulting Firm Name
EIT	PVE, LLC
Mailing Address Line 1	Mailing Address Line 2
2000 GEORGETOWNE DRIVE	SUITE 101

Address Last Line – City	State	ZIP+4	Country
SEWICKLEY	PA	15143	USA

Email	Area Code + Phone	Ext.	Area Code + FAX
MGOLAN@PVE-LLC.COM	724-444-1100	531	

E. AVAILABILITY OF DRINKING WATER SUPPLY

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: PITTSBURGH WATER AND SEWER AUTHORITY

F. PROJECT NARRATIVE (See Section F of instructions)

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

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

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter 93 (relating to wastewater treatment requirements).

1. **COLLECTION SYSTEM**

a. Check appropriate box concerning collection system

☐ New collection system ☐ Pump Station ☐ Force Main

☐ Grinder pump(s) ☒ Extension to existing collection system ☐ Expansion of existing facility

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 17

Connections 1

Name of:

existing collection or conveyance system MULBERRY WAY - 12" VCP

owner PITTSBURGH WATER AND SEWER AUTHORITY

existing interceptor ALLEGHENY RIVER INTERCEPTOR

owner ALLEGHENY COUNTY SANITARY AUTHORITY(ALCOSAN)

2. **WASTEWATER TREATMENT FACILITY**

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter(s) 91 (relating to general provisions), 92 (relating to national Pollution Discharge Elimination System permitting, monitoring and compliance) and 93 (relating to water quality standards).

a. Check appropriate box and provide requested information concerning the treatment facility

☐ New facility ☒ Existing facility ☐ Upgrade of existing facility ☐ Expansion of existing facility

Name of existing facility ALCOSAN Woods Run WWTP

NPDES Permit Number for existing facility PA 0025984

Clean Streams Law Permit Number _____

Location of discharge point for a new facility. Latitude 40°28'34" N Longitude 80°02'44" W

b. The following certification statement must be completed and signed by the wastewater treatment facility permitee or their representative.

As an authorized representative of the permittee, I confirm that the ALCOSAN Woods Run (Name from above) sewage treatment facilities can accept sewage flows from this project without adversely affecting the facility's ability to achieve all applicable technology and water quality based effluent limits (see Section I) and conditions contained in the NPDES permit identified above.

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams Date 10/22/19

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

The following information is to be submitted on a plot plan of the proposed subdivision.

a. Existing and proposed buildings.
b. Lot lines and lot sizes.
c. Adjacent lots.
d. Remainder of tract.
e. Existing and proposed sewerage facilities. Plot location of discharge point, land application field, spray field, COLDS, or LVCOLDS if a new facility is proposed.
f. Show tap-in or extension to the point of connection to existing collection system (if applicable).
g. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.)
h. Existing and proposed rights-of-way.
i. Existing and proposed buildings, streets, roadways, access roads, etc.
j. Any designated recreational or open space area.
k. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping.
l. Flood plains or Flood prone areas, floodways, (Federal Flood Insurance Mapping)
m. Prime Agricultural Land.
n. Any other facilities (pipelines, power lines, etc.)
o. Orientation to north.
p. Locations of all site testing activities (soil profile test pits, slope measurements, permeability test sites, background sampling, etc. (if applicable).
q. Soils types and boundaries when a land based system is proposed.
r. Topographic lines with elevations when a land based system is proposed

4. WETLAND PROTECTION

	YES	NO	
a.	☐	☒	Are there wetlands in the project area? If yes, ensure these areas appear 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 streams classified as HQ or EV and address impacts of the permitting requirements of said encroachments on the project.

5. PRIME AGRICULTURAL LAND PROTECTION

YES	NO	
☐	☒	Will the project involve the disturbance of prime agricultural lands? If yes, coordinate with local officials to resolve any conflicts with the local prime agricultural land protection program. The project must be consistent with such municipal programs before the sewage facilities planning module package may be submitted to DEP. If no, prime agricultural land protection is not a factor to this project.
☐	☒	Have prime agricultural land protection issues been settled?

6. HISTORIC PRESERVATION ACT

YES	NO	
☐	☒	Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at www.dep.state.pa.us, select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice (CRN), a return receipt for its submission to the PHMC and the PHMC review letter.

7. **PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES**

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 jurisdictional agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials _____.

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

☒ An alternative sewage facilities analysis has been prepared as described in Section H of the attached instructions and is attached to this component.

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

I. COMPLIANCE WITH WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS (See Section I of instructions) (Check and complete all that apply.)

1. **Waters designated for Special Protection**

☐ The proposed project will result in a new or increased discharge into special protection waters as identified in Title 25, Pennsylvania Code, Chapter 93. The Social or Economic Justification (SEJ) required by Section 93.4c. is attached.

2. **Pennsylvania Waters Designated As Impaired**

☐ The proposed project will result in a new or increased discharge of a pollutant into waters that DEP has identified as being impaired by that pollutant. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss water quality based discharge limitations.

3. **Interstate and International Waters**

☐ The proposed project will result in a new or increased discharge into interstate or international waters. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss effluent limitations necessary to meet the requirements of the interstate or international compact.

4 **Tributaries To The Chesapeake Bay**

☐ The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ pounds per year as determined by the wastewater treatment facility permitee. The permitee has determined that the additional TN and TP to be contributed by this project (as modified by credits and/or offsets to be provided) will not cause the discharge to exceed the annual total mass limits for these parameters. Documentation of compliance with nutrient allocations is attached.

Name of Permittee Agency, Authority, Municipality _____

Initials of Responsible Agent (See Section G 2.b) _____

See *Special Instructions* (Form 3800-FM-BPNPSM0353-1) for additional information on Chesapeake Bay watershed requirements.

☐ J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J 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 Title 25, Chapter 94 (relating to Municipal Wasteload Management). If not previously included in Section F, include a general map showing the path of the sewage to the treatment facility. 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 6500 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilties" sewage flows, use Annual Average Daily Flow for "average" and Maximum Monthly Average Daily Flow for "peak" in all cases. For "peak flows" in "collection" and "conveyance" facilities, indicate whether these flows are "peak hourly flow" or "peak instantaneous flow" and how this figure was derived (i.e., metered, measured, estimated, etc.).

a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.

b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.

c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

To complete the table, refer to the instructions, Section J.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	526857	1844000	361000	1263500	381000	1333500
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. The individual(s) signing below must be legally authorized to make representation for the organization.

YES NO

a. ☐ ☒ 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?

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 Corrective Action Plan (CAP) granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the module package.

If no, a representative of 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 both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not affect that status.

b. Collection System

Name of Agency, Authority, Municipality PITTSBURGH WATER AND SEWER AUTHORITY

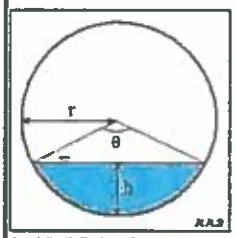
Name of Responsible Agent Barry King, P.E. / Director of Engineering

Agent Signature  Date 10/7/19

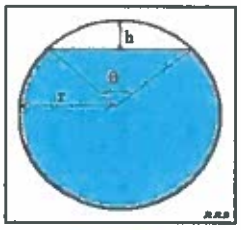
DEP Sewage Facilities Planning Module
Chapter 94 Consistency Determination
Hydraulic Calculations Review

LEGEND:	Input Data / Output Data
PROJECT NAME:	2908 Smallman Street
PROJECT LOCATION:	2908 Smallman Street, Pittsburgh, PA 15201
TIE-IN LOCATION:	Mulberry Way - 12" VCP
PWSA REVIEWER:	Robert Herring, P.E.
DATE:	September 26, 2019

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters (Less Than Half Full)



Partially Full Pipe Flow Parameters (More Than Half Full)

Variable	*Units*	*Description*
Q	ft^3	Volumetric flowrate
n	Unitless	Manning Roughness Coeff.
A	ft^2	Cross-Sectional Area of Flow
R	ft	Hydraulic Radius
S	ft/ft	Slope of Hydraulic Grade Line
P	ft	Wetted Perimeter of "A"
r	ft	Radius
h	ft	Depth of Flow or Headspace
θ	radians	Central Angle

$$Q = \left(\frac{1.49}{n}\right) \times A \times R^{2/3} \times S^{1/2} \qquad R = \frac{A}{P} \qquad \theta = 2 \times \cos^{-1}\left(\frac{r-h}{r}\right)$$

$$A_{<50\%\ Full} = \frac{r^2(\theta - \sin\theta)}{2} \qquad \text{OR} \qquad A_{>5\ \%\ Full} = \pi \times r^2 \times \frac{r^2(\theta - \sin\theta)}{2}$$

$$P_{<50\%\ Full} = r \times \theta \qquad P_{>50\%\ Full} = (2 \times \pi \times r) - (r \times \theta)$$

Section B: Data for Calculations

Variable	*Value*	*Units*
n	0.015	unitless
Material	VCP	
S	0.009	ft/ft
h	0.300	ft
D	1.00	ft
h/D	0.3	ft/ft
P.F.	3.5	unitless

Peaking Factor, P.F.	
Combined Sewers	3.5
Sanitary Sewers	3

Proposed Project Flows		
Variable	Value	Units
Q_p	6,500	gpd

Section C: Design Flow Calculations

Variable	*Description*	*Definition*
$Q_{d,\ peak}$	Design Peak Flow	full pipe flow conditions
$Q_{d,\ avg}$	Design Avg. Flow	full pipe flow conditions divided by the peaking factor

Peak Design Flow Calcs		
Variable	Value	Unit
D	1.000	ft
r	0.500	ft
A	0.785	ft^2
P	3.142	ft
R	0.250	ft
$Q_{d, peak}$	3	cfs
$Q_{d, peak}$	1,844,873	gpd

Average Design Flow Calcs		
Variable	Value	Unit
$Q_{d, avg}$	527,107	gpd

Section D: Existing Flow Calculations

Variable	Description	Definition
$Q_{ex, avg}$	Existing Avg. Flow	existing flow conditions based on flow depth measurement
$Q_{ex, peak}$	Existing Peak Flow	the average existing flow multiplied by the peaking factor

Existing Average Flow Calcs		
Variable	Value	Unit
D	1.000	ft
r	0.500	ft
θ	2.32	rad
A	0.20	ft^2
P	1.16	ft
R	0.171	ft
$Q_{ex, peak}$	1	cfs
$Q_{ex, peak}$	361,284	gpd

Existing Peak Flow Calcs		
Variable	Value	Unit
$Q_{ex, avg}$	1,264,493	gpd

Section E: Projected Flow Calculations

Variable	Description	Definition
$Q_{proj, peak}$	Projected Peak Flow	= $(Q_{ex, peak} + Q_p) \times 1.05$
$Q_{proj, avg}$	Projected Avg. Flow	= $Q_{proj, peak} \div$ P.F.

Projected Flow Calculations		
Variable	Value	Unit
$Q_{proj, peak}$	1,334,543	gpd
$Q_{proj, avg}$	381,298	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA Calcs, gpd	Applic. Calcs, gpd	Difference, gpd	Difference, %
$Q_{d, peak}$	1,844,873	1,844,000	873	0%
$Q_{d, avg}$	527,107	526,857	250	0%
$Q_{ex, peak}$	1,264,493	1,263,500	993	0%
$Q_{ex, avg}$	361,284	361,000	284	0%
$Q_{proj, peak}$	1,334,543	1,333,500	1,043	0%
$Q_{proj, avg}$	381,298	381,000	298	0%

☒ J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J 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 Title 25, Chapter 94 (relating to Municipal Wasteload Management). If not previously included in Section F, include a general map showing the path of the sewage to the treatment facility. 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 6500 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

   When providing "treatment facilties" sewage flows, use Annual Average Daily Flow for "average" and Maximum Monthly Average Daily Flow for "peak" in all cases. For "peak flows" in "collection" and "conveyance" facilities, indicate whether these flows are "peak hourly flow" or "peak instantaneous flow" and how this figure was derived (i.e., metered, measured, estimated, etc.).

   a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.

   b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.

   c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

   To complete the table, refer to the instructions, Section J.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance	---	4.01 MGD	66600	69000	73800	76300
Treatment	---	250.0 MGD	194.8 MGD	250.0 MGD	194.8 MGD	250.0 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. The individual(s) signing below must be legally authorized to make representation for the organization.

   YES NO

   a. ☐ ☒ 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?

   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 Corrective Action Plan (CAP) granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the module package.

   If no, a representative of 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 both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not affect that status.

   b. Collection System

   Name of Agency, Authority, Municipality PITTSBURGH WATER AND SEWER AUTHORITY

   Name of Responsible Agent _____

   Agent Signature _____ Date _____

☒ J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams

Date 10/22/19

4. Treatment Facility

The questions below are to be answered by a representative of the facility permittee in coordination with the information in the table and the latest Chapter 94 report. The individual signing below must be legally authorized to make representation for the organization.

*ALCOSAN IS UNDER A CONSENT DECREE TO ADDRESS WET WEATHER OVERFLOWS.

	YES	NO	
a.	☐	☒	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?

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 CAP granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the planning module.

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 both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not impact that status.

b. Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams

Date 10/22/19

☐ K. TREATMENT AND DISPOSAL OPTIONS (See Section K of instructions)

This section is for land development projects that propose construction of wastewater treatment facilities. Please note that, since these projects require permits issued by DEP, these projects may **NOT** receive final planning approval from a delegated local agency. Delegated local agencies must send these projects to DEP for final planning approval.

Check the appropriate box indicating the selected treatment and disposal option.

☐ 1. Spray irrigation (other than individual residential spray systems (IRSIS)) or other land application is proposed, and the information requested in Section K.1. of the planning module instructions are attached.

☐ 2. Recycle and reuse is proposed and the information requested in Section K-2 of the planning module instructions is attached.

☐ 3. A discharge to a dry stream channel is proposed, and the information requested in Section K.3. of the planning module instructions are attached.

☐ 4 A discharge to a perennial surface water body is proposed, and the information requested in Section K.4. of the planning module instructions are attached.

☐ L. PERMEABILITY TESTING (See Section L of instructions)

☐ The information required in Section L of the instructions is attached.

☐ M. PRELIMINARY HYDROGEOLOGIC STUDY (See Section M of instructions)

☐ The information required in Section M of the instructions is attached.

☐ N. DETAILED HYDROGEOLOGIC STUDY (See Section N of instructions)

☐ The detailed hydrogeologic information required in Section N. of the instructions is attached.

O. SEWAGE MANAGEMENT (See Section O of instructions)

(1-3 for completion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)

Yes No

1. ☐ ☒ Is connection to, or construction of, a DEP permitted, non-municipal sewage facility or a local agency permitted, community onlot sewage facility proposed.

If Yes, respond to the following questions, attach the supporting analysis, and an evaluation of the options available to assure long-term proper operation and maintenance of the proposed non-municipal facilities. If No, skip the remainder of Section O.

2. Project Flows 6500 gpd

Yes No

3. ☐ ☒ Is the use of nutrient credits or offsets a part of this project?

If yes, attach a letter of intent to puchase the necessary credits and describe the assurance that these credits and offsets will be available for the remaining design life of the non-municipal sewage facility;

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

The questions below are to be answered by the organization/individual responsible for the non-municipal collection and conveyance facilities. The individual(s) signing below must be legally authorized to make representation for the organization.

Yes No

a. ☐ ☐ If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, a representative of the organization responsible 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 71 §71.53(d)(3) and that this proposal will not affect that status.

b. Collection System
Name of Responsible Organization _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

c. Conveyance System
Name of Responsible Organization _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

5. Treatment Facility

The questions below are to be answered by a representative of the facility permittee. The individual signing below must be legally authorized to make representation for the organization.

	Yes	No	
a.	☐	☐	If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this issue is resolved.

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 §71.53(d)(3) and that this proposal will not impact that status.

b. Name of Facility _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

(For completion by the municipality)

6. ☐ The **SELECTED OPTION** necessary to assure long-term proper operation and maintenance of the proposed non-municipal facilities is clearly identified with documentation attached in the planning module package.

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

This section must be completed to determine if the applicant will be required to publish facts about the project in a newspaper of general circulation to provide a chance for the general public to comment on proposed new land development projects. This notice may be provided by the applicant or the applicant's agent, the municipality or the local agency by publication in a newspaper of general circulation within the municipality affected. Where an applicant or an applicant's agent provides the required notice for publication, the applicant or applicant's agent shall notify the municipality or local agency and the municipality and local agency will be relieved of the obligation to publish. The required content of the publication notice is found in Section P of the instructions.

To complete this section, each of the following questions must be answered with a "yes" or "no". Newspaper publication is required if any of the following are answered "yes".

	Yes	No	
1.	☐	☒	Does the project propose the construction of a sewage treatment facility ?
2.	☐	☒	Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3.	☐	☒	Will the project result in a public expenditure for the sewage facilities portion of the project in excess of $100,000?
4.	☐	☒	Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5.	☐	☒	Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6.	☐	☒	Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
7.	☐	☒	Does the project involve a major change in established growth projections?
8.	☐	☒	Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?

P. PUBLIC NOTIFICATION REQUIREMENT cont,d. (See Section P of instructions)

9. ☐ ☒ Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
10. ☐ ☒ Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
11. ☐ ☒ Will sewage facilities discharge into high quality or exceptional value waters?

☐ Attached is a copy of:
- ☐ the public notice,
- ☐ all comments received as a result of the notice,
- ☐ the municipal response to these comments.

☐ No comments were received. A copy of the public notice is attached.

Q. FALSE SWEARING STATEMENT (See Section Q of instructions)

I verify that the statements made in this component are true and correct to the best of my knowledge, information and belief. I understand that false statements in this component are made subject to the penalties of 18 PA C.S.A. §4904 relating to unsworn falsification to authorities.

MAUREEN S. GOLAN	Maureen Golan
Name (Print)	Signature
CIVIL EIT	JULY 5, 2019
Title	Date
2000 GEORGETOWNE DRIVE, SUITE 101, SEWICKLY, PA 15143	724-444-1100
Address	Telephone Number

R. REVIEW FEE (See Section R of instructions)

The Sewage Facilities Act establishes a fee for the DEP planning module review. DEP will calculate the review fee for the project and invoice the project sponsor **OR** the project sponsor may attach a self-calculated fee payment to the planning module prior to submission of the planning package to DEP. (Since the fee and fee collection procedures may vary if a "delegated local agency" is conducting the review, the project sponsor should contact the "delegated local agency" to determine these details.) Check the appropriate box.

☐ I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.

☒ I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of $850 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.

☐ I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

1. For a new collection system (with or without a Clean Streams Law Permit), a collection system extension, or individual tap-ins to an existing collection system use this formula.

   #17 Lots (or EDUs) X $50.00 = $ 850

   The fee is based upon:

   - The number of lots created or number of EDUs whichever is higher.
   - For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.

2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

   A. A new surface discharge greater than 2000 gpd will use a flat fee:

   $ 1,500 per submittal (non-municipal)
   $ 500 per submittal (municipal)

   B. An increase in an existing surface discharge will use:

   #_____ Lots (or EDUs) X $35.00 = $ _____

   to a maximum of $ 1,500 per submittal (non-municipal) or $ 500 per submittal (municipal)

   The fee is based upon:

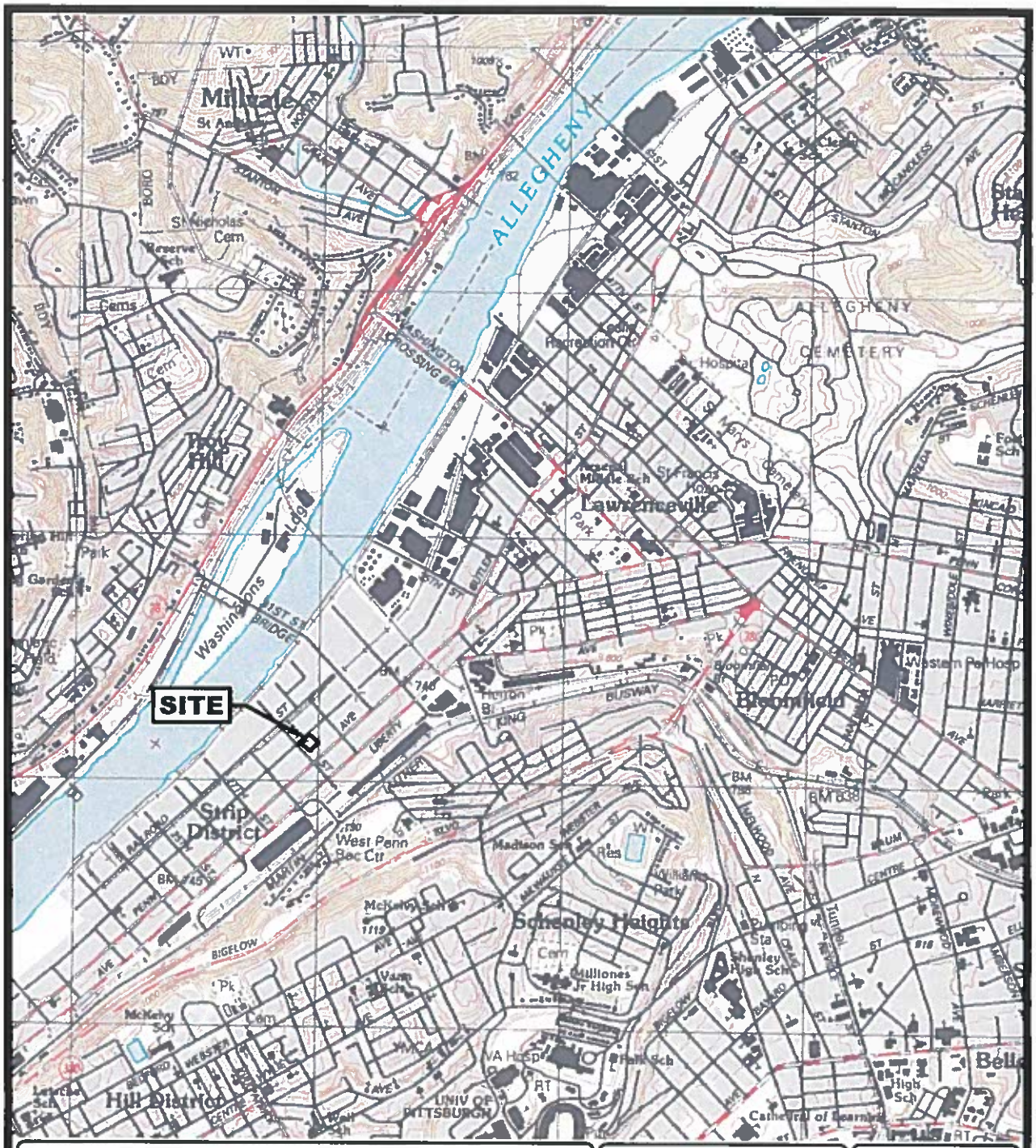
   - The number of lots created or number of EDUs whichever is higher.
   - For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
   - For non-single family residential projects, EDUs are calculated using projected population figures

   C. A sub-surface discharge system that requires a permit under The Clean Streams Law will use a flat fee:

   $ 1,500 per submittal (non-municipal)
   $ 500 per submittal (municipal)

COMPONENT 3
APPENDIX

SITE LOCATION MAP



SITE LOCATION MAP

2908 SMALLMAN

CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

TAKEN FROM 7.5 MINUTE USGS TOPOGRAPHY MAP - PITTSBURGH EAST QUADRANGLE

PVE ENGINEERING

Waterfront Corporate Park III, Suite 101
2000 Georgetowne Drive
Sewickley, PA 15143

P: 724-444-1100
F: 724-444-1104
www.pve-llc.com

Civil Engineering | Land Development | Planning
Landscape Architecture | Structures | Environmental

N

DATE:	07.05.2019
SCALE:	1"=2000'
PROJECT NUMBER:	161547

FIGURE 1

SOILS MAP

Map Unit Name—Allegheny County, Pennsylvania
(2908 Smallman)

Map Scale: 1:483 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 20 40 80 120

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- Urban land-Rainsboro complex, gently sloping
- Not rated or not available

Soil Rating Lines

- Urban land-Rainsboro complex, gently sloping
- Not rated or not available

Soil Rating Points

- Urban land-Rainsboro complex, gently sloping
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Allegheny County, Pennsylvania
Survey Area Data: Version 14, Sep 18, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 5, 2014—Aug 28, 2014

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Name

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
URB	Urban land-Rainsboro complex, gently sloping	Urban land-Rainsboro complex, gently sloping	0.5	100.0%
Totals for Area of Interest			**0.5**	**100.0%**

Description

A soil map unit is a collection of soil areas or nonsoil areas (miscellaneous areas) delineated in a soil survey. Each map unit is given a name that uniquely identifies the unit in a particular soil survey area.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

WATER AVAILABILITY LETTER FROM PITTSBURGH WATER AND SEWER AUTHORITY (PWSA)

PITTSBURGH WATER AND SEWER AUTHORITY

WATER AND SEWER AVAILABILITY LETTER REQUEST FORM

All persons planning to perform construction, demolition, or renovation work that will involve water and/or sewer services are recommended to complete this form and submit to PWSA. PWSA will review the request and reply to indicate if PWSA-owned water and/or sewer utilities are present at the site of the proposed work.

This request form is required for all of the following types of development. (Please note that the term "sewer" refers to sanitary sewers, combined sewers, and storm sewers.)

1. New water and/or sewer tap(s) for all approved/recorded subdivisions.
2. Change of Use and/or increase in water and/or sewer flows for residential development(s), commercial, industrial and institutional developments (i.e. total project sanitary flow is greater than 799 gallons per day).
3. New water and/or sewer tap(s) for all residential, commercial, industrial, and institutional developments.

Information to be submitted by the Applicant:			
Property Owner Name:	2908 Associates, LLC		
Address of Property:	2908 Smallman Street		
Proposed Use of Site:	First floor fitness gymnasium; second and third floor multi-family apartments.		
Closest street intersection to the property:	29th and Smallman Street (as well as 29th and Mulberry Way)		
Requestor Name:	Maureen Golan, PVE LLC	Date of Request:	May 17, 2019
Requestor Address:	2000 Georgetown Drive, Suite 101, Sewickley, PA 15143		
Requestor Phone Number:	(724) 444-1100		

Please submit the completed form to:

Pittsburgh Water and Sewer Authority
Engineering and Construction Division
1200 Penn Avenue
Pittsburgh, PA 15222
Attn: Ms. Michelle Carney (mcarney@pgh2o.com)

PWSA Use Only:

PWSA Water Service Available: ☑ Yes ☐ No — Water Size / Location: 8" Smallman Street, 6" Mulberry Way

PWSA Sewer Service Available: ☑ Yes ☐ No — Sewer Size / Location: 12" Mulberry Way

Applicant must contact separate agency for water and/or sewer service: ☐ Yes ☑ No

Name of separate agency: _____

PWSA Approval Authority:
- Signature and Date: Wendy M. Dean 5-31-19
- Name (printed): Wendy M. Dean
- Title: Engineering Tech II

Disclaimer: The information provided by PWSA does not guarantee capacity of the PWSA-owned water and/or sewer lines to satisfy the needs of the proposed development. The permit application process required by PWSA evaluates the water demand and sewer flows of the development, as provided by the Applicant, and renders a decision on the capacity of the PWSA facilities.

SECTION F
PROJECT NARRATIVE

Section F – Project Narrative

2908 SMALLMAN

Proposed Method of Sewage Service:

2908 Associates, LLC is proposing to renovate an existing warehouse, maintaining the exterior shell of the building (i.e. change of occupancy) into a mixed-use residential building in the 6th Ward of the City of Pittsburgh, Allegheny County, Pennsylvania (see Figure 1). The first floor is proposed to be renovated into a fitness center, and the second and third floors into 15 apartments each. Construction is scheduled to begin in Fall 2019. The total project boundary is 0.325 acres, of which less than 500 SF will be disturbed.

The project site will consolidate two parcels. One is the current site of 2908 Smallman (25-G-40) with the adjacent empty tract of land 29-F-194. The current water and sewer flows for the parcel are considered 0 gpd as the warehouse was last occupied more than 5 years ago. In accordance with PA Code, Title 25, 73.17.b. each apartment will use an estimated 150 gpd and the fitness facility an estimated 400 gpd per toilet. Therefore, the proposed project will generate approximately 6,500 gallons per day into the system, equivalent to 17 EDUs and is to be treated by the ALCOSAN treatment facility. This estimate was passed upon the PADEP standard for average daily flows foe Equivalent Domestic Units of 1 EDU = 400 gallons per day for the proposed renovation.

The proposed 2908 Smallman Street renovation will be serviced by the existing gravity operated collection system which will be owned and operated by the Pittsburgh Water and Sewer Authority to an existing ALCOSAN interceptor. From this point sewage is then conveyed to the ALCOSAN treatment plant.

Justification of Anticipated Flows:

APARTMENTS (2ND & 3RD FLOORS)				
Use	**No. Units**	**PWSA Flow Category**	**GPD/Unit**	**Total GPD**
Studio/1 Bedroom	30	Apartment (Efficiency)	150	4,500
2 Bedroom	0	Apartment (2 Bedroom)	300	0
3 Bedroom	0	Apartment (>2 Bedroom)	400	0
Amenity/Lobby	0	Store (per Public Toilet)	400	0
FIRST FLOOR TENANT (MECKA FITNESS)				
Use	**No. Units**	**PWSA Flow Category**	**GPD/Unit**	**Total GPD**
Locker Rooms	5	Public Toilets	400	2,000
Total				**6,500**

WETLAND PROTECTION

Section G.4. – Wetland Protection

2908 SMALLMAN

No wetlands are known to exist in the area to be developed for this project

THREATENED SPECIES (PNDI)

1. PROJECT INFORMATION

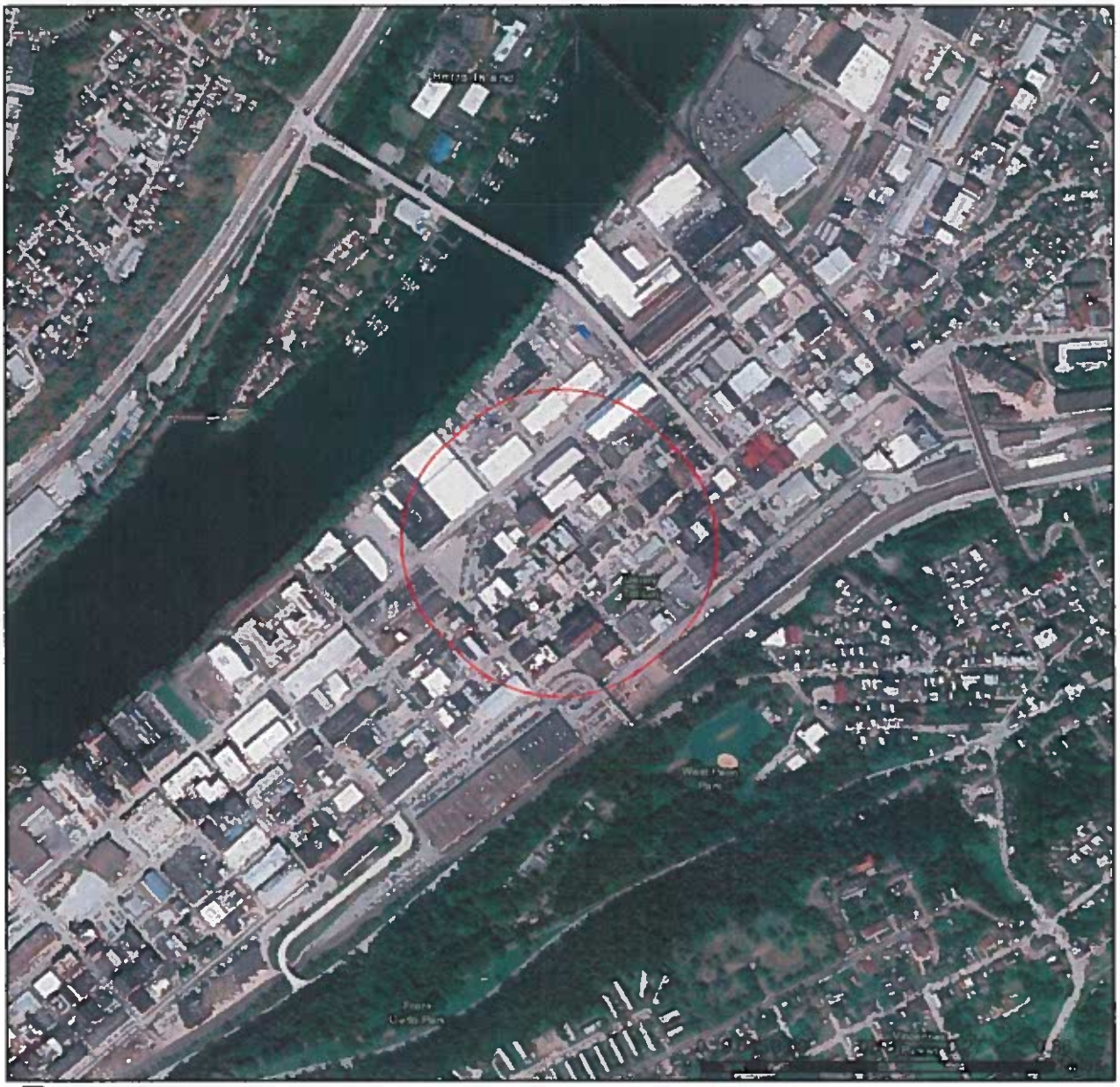
Project Name: **2908 Smallman Street**
Date of Review: **5/30/2019 04:58:22 PM**
Project Category: **Development, Additions/maintenance to existing development facilities**
Project Area: **0.65 acres**
County(s): **Allegheny**
Township/Municipality(s): **PITTSBURGH**
ZIP Code: **15201; 15222**
Quadrangle Name(s): **PITTSBURGH EAST**
Watersheds HUC 8: **Lower Allegheny**
Watersheds HUC 12: **Allegheny River-Ohio River**
Decimal Degrees: **40.458524, -79.974574**
Degrees Minutes Seconds: **40° 27' 30.6881" N, 79° 58' 28.4648" 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	**Conservation Measure**	**No Further Review Required, See Agency Comments**
U.S. Fish and Wildlife Service	**Conservation Measure**	**No Further Review Required, See Agency Comments**

Pennsylvania Natural Diversity Inventory (PNDI) records indicate that while threatened and endangered and/or special concern species and resources are in the project vicinity and that recommended Conservation Measures should be implemented in their entirety to avoid and minimize impacts to these species, no further coordination is required with the jurisdictional agencies. If a DEP permit is required for this project, DEP has the discretion to incorporate one or more Conservation Measures into its permit. This response does not reflect potential agency concerns regarding potential impacts to other ecological resources, such as wetlands.

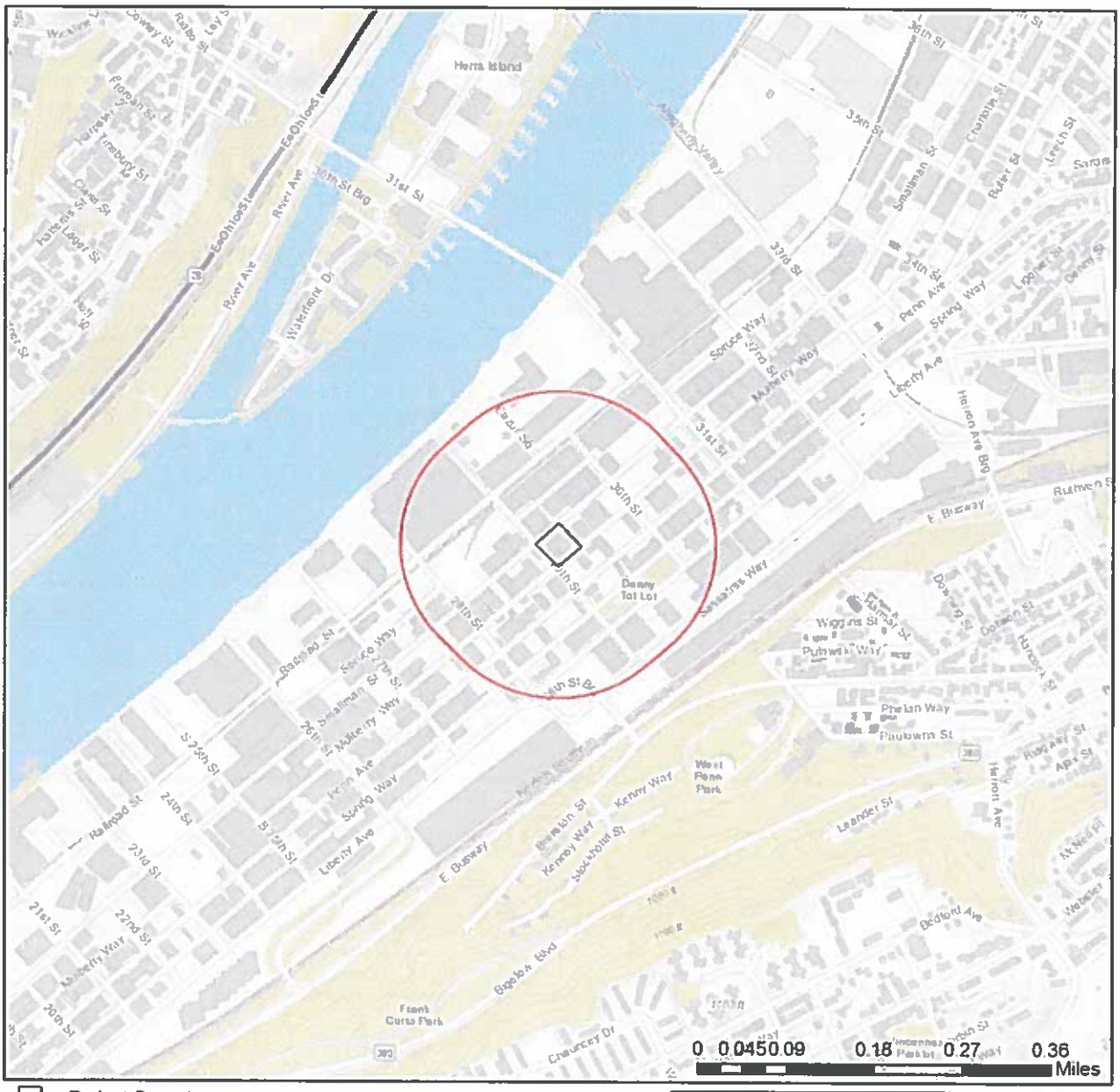
2908 Smallman Street



Project Boundary

Buffered Project Boundary

2908 Smallman Street



Project Boundary

Buffered Project Boundary

RESPONSE TO QUESTION(S) ASKED

Q1: Select the statement below that accurately describes where the proposed project and project-associated activities will occur. "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.).
Your answer is: All project activities will occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, or railroad bed.

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: Select the statement below that accurately describes where the proposed project and project-associated activities will occur. "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.).
Your answer is: This project and all project activities will occur at least 100 feet from all waterways and waterbodies (rivers, creeks, streams, tributaries, lakes, ponds).

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 jursidictional 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:

Conservation Measure: The natural flow regime and water quality in this watershed are important to maintaining habitats occupied by rare fish and mussels. PFBC recommends that you take measures to maintain a natural flow regime, high water quality, and quantity. Maintenance or restoration of the riparian corridor will aid in connecting habitats and improving water quality and quantity for fish and mussels. PFBC recommends retaining (or restoring, if not already present) a riparian buffer (100 to 300 feet, if possible) on each side of the waterway (river, stream, creek). This buffer should be vegetated with native plant species. When adequately vegetated, this upland buffer will act to stabilize the streambanks (preventing or minimizing erosion), and filter pollutants (e.g., sediment, fertilizers, pesticides, road salt, oil). Where streambanks have become badly eroded (e.g., due to previous removal of native riparian vegetation), streambank fencing and/or bioengineering restoration techniques are recommended (geotextile, root wads, vegetative stabilization), rather than riprapping the streambanks; removing gravel bars; or attempting to dredge, ditch, channelize, or widen the stream. Use stringent erosion and sedimentation controls before, during, and after project implementation to ensure that sediment and contaminants do not enter any waterway(s) (rivers, creeks, streams, tributaries) or waterbodies (lakes, ponds).

PFBC Species: (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name	Common Name	Current Status
Obliquaria reflexa	Threehorn Wartyback	Special Concern Species*
Sensitive Species**		Endangered

U.S. Fish and Wildlife Service
RESPONSE:

Conservation Measure: Voluntary implementation of the following recommendations will contribute to the conservation and recovery of endangered and threatened species. -- In order to maintain or improve water quality for endangered aquatic species, retain (or restore, if not already present) a 100- to 300-foot wide buffer on each side of the waterway (river, stream, creek) or waterbody (lake). Avoid construction, earth disturbance, and chemical application in this buffer. The buffer should be vegetated with native plant species. When adequately vegetated, this upland buffer will act to stabilize the streambanks (preventing or minimizing erosion), and filter pollutants (e.g., sediment, fertilizers, pesticides, road salt, oil). Where streambanks have become badly eroded (e.g., due to removal of native riparian vegetation), streambank fencing and/or bioengineering restoration techniques are recommended (geotextile, root wads, vegetative stabilization), rather than riprapping the streambanks; removing gravel bars; or attempting to dredge, ditch, channelize, or widen the stream.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.
** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

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: MAUREEN GOLAN
Company/Business Name: PVE, LLC
Address: 2000 GEORGETOWNE DRIVE, SUITE 101
City, State, Zip: SEWICKLEY, PA, 15143
Phone: (724) 444-1100 Fax: ( )
Email: mgolan@pve-llc.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.

Maureen S Golan — May 30, 2019

applicant/project proponent signature — date

SECTION H
ALTERNATIVE ANALYSIS

Section H – Alternative Sewage Facilities Analysis

2908 SMALLMAN

Proposed Method of Sewage Disposal

The proposed 2908 Smallman Street Apartments and Fitness Cneter will be serviced by a gravity operated collection system which will be owned and operated by Pittsburgh Water and Sewer Authority. The flows will be conveyed into an existing ALCOSAN interceptor and into the ALCOSAN sewage treatment plant.

Alternative Methods Considered

An alternative method of sewage disposal includes an individual septic system. Various factors such as failure rates of septic systems, desirability of developed lot, and size of the developed lot are all deterrents to installing a septic system.

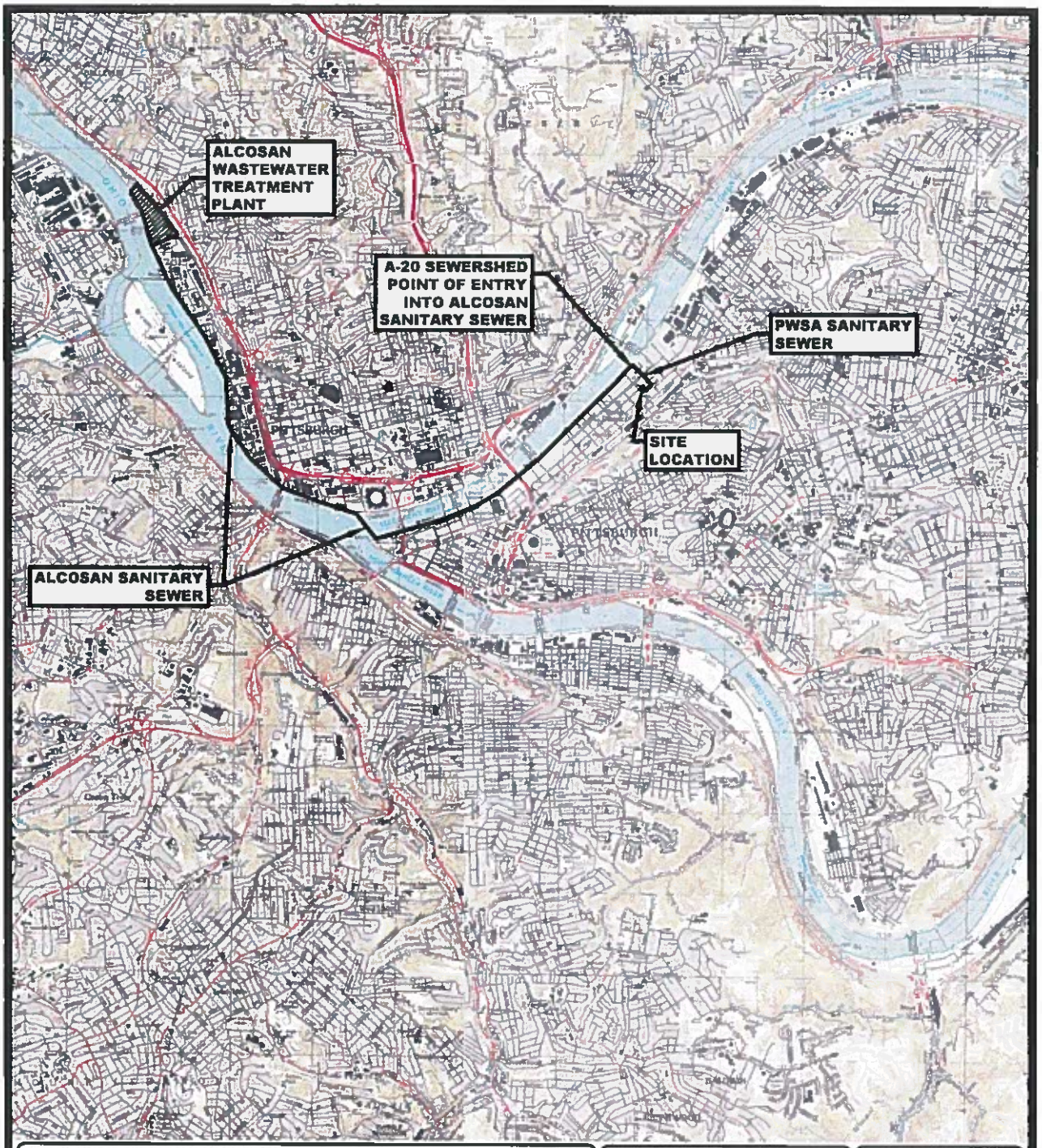
Alternative Alignments Considered

In keeping with the proposed method of sewage disposal, which is to construct a gravity sewer, different alternatives are available with respect to connection point to the existing system. The proposed alignment which will convey sewage from the proposed site to the existing ALCOSAN sewage system was determine to be the optimal layout based on distance, slope, and elevation.

Conclusion

The proposed method of providing sewer service to the proposed apartments and fitness center is considered ultimate. The fact that an existing sewage interceptor and sewage treatment plant is nearby greatly reduces the justification for thoroughly considering various alternative methods.

SEWAGE FLOW PATH MAP



SEWAGE FLOW PATH MAP

2908 SMALLMAN

CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

TAKEN FROM 7.5 MINUTE USGS TOPOGRAPHY MAP - PITTSBURGH EAST QUADRANGLE

PVE ENGINEERING

Waterfront Corporate Park III, Suite 101
2000 Georgetowne Drive
Sewickley, PA 15143

P: 724-444-1100
F: 724-444-1104
www.pve-llc.com

Civil Engineering | Land Development | Planning
Landscape Architecture | Structures | Environmental

N

DATE:	07 05 2019
SCALE:	1"=6000'
PROJECT NUMBER:	161647

FIGURE 3

SECTION J
FLOW TABLE FOOTNOTES AND DRY WEATHER FLOW CALCULATION

Section J – Chapter 94 Consistency Determination Footnotes
2908 SMALLMAN STREET

(1) Design/Permitted collection system average design capacity computed using static Manning's analysis based on existing 12" vitrified clay sewer, with slope of 0.85%, Manning's n-value of 0.015 and full flow depth, divided by a peaking factor of 3.5 for combination sewers = **526,857 gpd**.

(2) Design/Permitted collection system peak design capacity computed using static Manning's analysis based on existing 12" vitrified clay sewer, with slope of 0.85%, Manning's n-value of 0.014 and full flow depth = **1,844,000 gpd**.

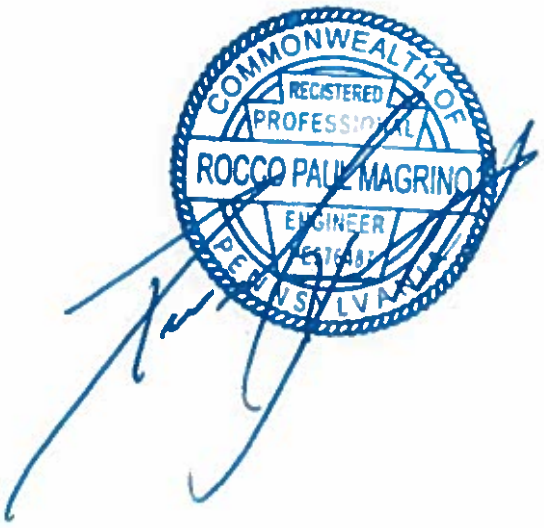
(3) Present collection system average flow computed using static Manning's analysis based on existing 12" vitrified clay combined sanitary sewer, with slope of 0.85%, manning's n-value of 0.015 and measured flow depth of 3.6 inches = **361,000 gpd**.

(4) Present collection system peak flow computed using the present average flows computed in Footnote 3, multiplied by a peaking factor of 3.5 for combination sewers = **1,263,500 gpd**.

(5) Projected collection system average flow computed using the projected collection system peak flows computed in Footnote 6, divided by 3.5 = **381,000 gpd**.

(6) Projected collection system peak flow computed using the present peak flows computed in Footnote 4 plus project flows of 6,500 gpd, see calculations in the project narrative section F of Component 3, multiplied by a 5% growth factor = **1,333,500 gpd**.

Note: An overview of the Manning's equation calculations reference above are provided on the subsequent page.



Dry Weather Flow and Design Capacity Calculations
2908 SMALLMAN STREET

Given: 12" Vitrified Clay Combination Sewer at a slope of 0.85% (S). Manning's N Value = 0.015.
*Slope calculated from Field Survey conducted by PVE, January 10, 2018 showing an invert at MH 025F001 of 722.9 and MH025G013 of 720.9, with a pipe length of 235.1 feet.
*Dry weather flow measured July 2, 2019 by PVE at manhole MH025G013 (70 degrees and partly sunny).

Dry Weather Flow Calculation:

Flow Depth measure in downstream manhole = 3.6 inches or 0.30 feet (h).

$$Area\ of\ Flow\ in\ Pipe = \frac{r^2(\theta - \sin\theta)}{2}\ where,\ \theta = 2\cos^{-1}\left(\frac{r-h}{r}\right)$$

$$\theta = 2\cos^{-1}\left(\frac{0.50-0.30}{0.50}\right)\quad \theta = 2.319\ radians$$

$$therefore, Area\ of\ Flow\ in\ Pipe = \frac{0.50^2(2.319-\sin(2.319))}{2}\quad A = 0.198\ ft^2$$

$$Wetted\ Perimeter\ (P) = r\theta, therefore\ P = 0.50(2.319) = 1.160\ ft$$

$$Hydraulic\ Radius\ (R_h) = \frac{A}{P}, therefore\ R_h = \frac{0.198}{1.160} = 0.171\ ft$$

$$Q = \frac{1.49}{n}(R_h)^{\frac{2}{3}}(S)^{\frac{1}{2}}A(0.64632), therefore$$

$$Q = \frac{1.49}{0.015}(0.171)^{\frac{2}{3}}(0.0085)^{\frac{1}{2}}(0.198)(0.64632),\ Q = 0.361\ mgd$$

Design Capacity of Pipe Calculation:

Full Flow Capacity, Depth = 12 inches or 1.00 feet (h).

$$Area\ of\ Flow\ in\ Pipe = \frac{\pi D^2}{4}, therefore\ A = \frac{\pi(1.00)^2}{4}\quad A = 0.785\ ft^2$$

$$Wetted\ Perimeter = \pi D, therfore\ P = \pi(1.00) = 3.142ft$$

$$Hydraulic\ Radius\ (R_h) = \frac{A}{P}, therefore\ R_h = \frac{0.785}{3.142} = 0.250\ ft$$

$$Q = \frac{1.49}{n}(R_h)^{\frac{2}{3}}(S)^{\frac{1}{2}}A(0.64632), therefore$$

$$Q = \frac{1.49}{0.015}(0.250)^{\frac{2}{3}}(0.0085)^{\frac{1}{2}}(0.785)(0.64632),\ Q = 1.844\ mgd$$

PLOT PLANS FOR SEWAGE FACILITY PLANNING PURPOSES

USE EXISTING DOMESTIC WATER LATERAL
TO 8" PWSA LINE

SMALLMAN STREET - 60' R/W
36' WIDE ASPHALT PAVED - PUBLIC

29TH STREET - 50' R/W
30' WIDE ASPHALT PAVED - PUBLIC

MULBERRY WAY - 24' R/W
16' WIDE ASPHALT PAVED - PUBLIC

USE EXISTING SANITARY LATERAL
TO 12" PWSA COMBINED SANITARY SEWER

PARCEL 25-G-40

APARTMENTS (2ND & 3RD FLOORS)	FITNESS CENTER (1ST FLOOR)
2908 SMALLMAN ST	2916 SMALLMAN ST
4,500 GPD	2,000 GPD

IZZY & TATA LLC
D.B.V. 12643, PG. 560
B/L # 25-F-560

2900 SMALLMAN STREET

ADA RAMP

CROSS WALK

12" DECIDUOUS TREE

8" DECIDUOUS TREE

8" DECIDUOUS TREE

CONC. CURB

24" DIA. STEEL GASLINE

CONC. SIDEWALK

UTILITY POLE

4" DECIDUOUS TREE

UTILITY POLE# 46755

8" DIA. WATERLINE

42" DIA. WATERLINE

INLET
TOP=735.53
INV.=729.13(OUT)
INV.=729.63(IN)

SANITARY MH
RIM=733.38
INV.=727.08(OUT)
INV.=727.38(IN)
INV.=727.28(IN)

SANITARY MH
RIM=732.30
INV.=722.90(OUT)

SANITARY MH 025G006
RIM=733.37
INV.=720.81(OUT)
INV.=720.85(IN)

CONCRETE STAIRS

UTILITY POLE# 19194

UTILITY POLE# SL24837

UTILITY POLE# 334068

UTILITY POLE# 341436

UTILITY POLE# 334066

UTILITY POLE# 341435

UTILITY POLE# 5047

6" DIA. WATERLINE

12" DIA. COMBINATION SEWER

0 30' 60'

811 Know what's **below.** **Call** before you dig.

SEWAGE FACILITIES PLANNING MODULE PLOT PLAN

2908 ASSOCIATES, LLC
City of Pittsburgh, Allegheny County, Pennsylvania

DATE	DESCRIPTION
-	-
-	-

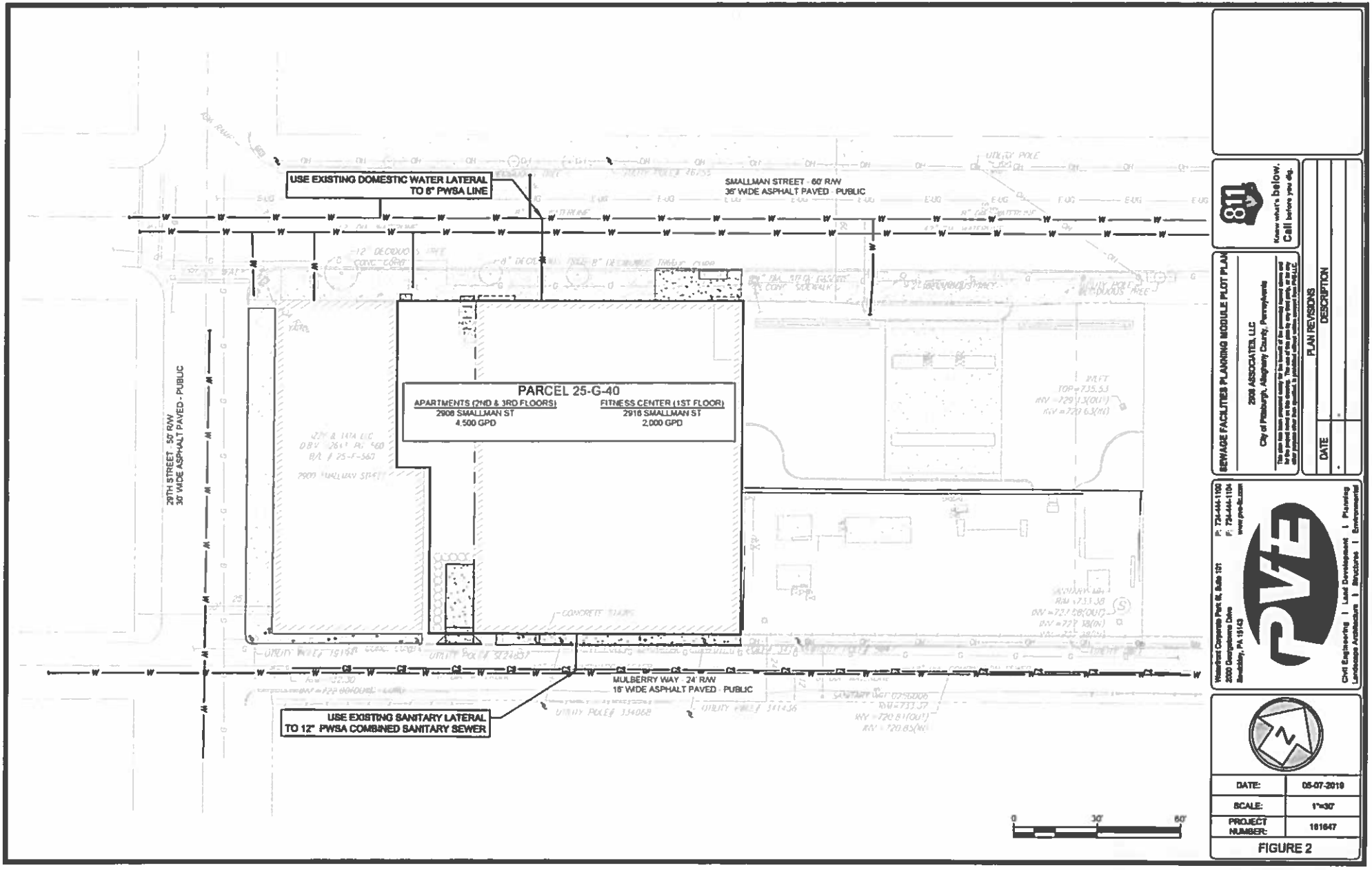
PLAN REVISIONS

Waterfront Corporate Park III, Suite 101
2000 Georgetowne Drive
Sewickley, PA 15143
P: 724-444-1100
F: 724-444-1104
www.pve-llc.com

PVE
Civil Engineering | Land Development | Planning
Landscape Architecture | Structures | Environmental

DATE:	05-07-2019
SCALE:	1"=30'
PROJECT NUMBER:	161647

FIGURE 2



811 Know what's below. Call before you dig.

SEWAGE FACILITIES PLANNING MODULE PLOT PLAN

2908 ASSOCIATES, LLC

City of Pittsburgh, Allegheny County, Pennsylvania

This plan has been prepared solely for the benefit of the persons named above and for the project listed and no one else. The use of this plan by any other party, or for any other project without being signed by a professional Civil Engineer licensed by the PA DEP, is prohibited.

PLAN REVISIONS

DATE	DESCRIPTION

Woodland Corporate Park III, Suite 101
2000 Georgetown Drive
Sewickley, PA 15143

P: 724-444-1160
F: 724-444-1164
www.pve-llc.com

PVE

Civil Engineering | Land Development | Planning
Landscape Architecture | Structures | Environmental

DATE:	05-07-2019
SCALE:	1"=30'
PROJECT NUMBER:	181647

FIGURE 2

COMPONENT 4A
MUNICIPAL PLANNING AGENCY REVIEW

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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
1908 Smallman Street

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

1. Date plan received by municipal planning agency 10-31-19
2. Date review completed by agency 11-1-19

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

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

Title: Senior Environmental Planner

Signature: MBattistone

Date: 11-1-19

Name of Municipal Planning Agency: Pittsburgh Dept. City Planning

Address 200 Ross St. 4th Floor Pittsburgh, PA 15219

Telephone Number: (412) 255-2516

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.

COMPONENT 4C
COUNTY HEALTH DEPARTMENT REVIEW

3850-FM-BCW0362C 6/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:

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
2908 Smallman Land Development

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

1. Date plan received by county or joint county health department October 25, 2019

   Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency October 28, 2019

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: ACHD recommends approval. See attached letter.
		5.	Name, title and signature of person completing this section: Name: Freddie Fields Title: Environmental Health Engineer III Signature: Freddie Fields Date: October 28, 2019 Name of County Health Department: ACHD Address: 3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318 Telephone Number: 412-578-8046

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.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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.