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# SEWAGE FACILITIES PLANNING MODULE COMPONENT 3

## 39<sup>th</sup> STREET SINGLE FAMILY HOMES

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**SITUATE IN:**  
CITY OF PITTSBURGH  
ALLEGHENY COUNTY, PENNSYLVANIA

**PREPARED FOR:**  
39th Street Associates, LLC  
1802 Frick Bldg. 437 Grant Street  
Pittsburgh, PA 15219

161583

January 21, 2020



February 28, 2020

**Members of the Board**

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Katie Phillips, EIT  
PVE  
Waterfront Corporate Park III, Suite 101  
2000 Georgetowne Drive  
Sewickley, PA 15143

**Re: 39<sup>th</sup> Street Townhomes, City of Pittsburgh  
PA DEP Sewage Facilities Planning Module  
ALCOSAN Regulator Structure A-26-00**

Dear Ms. Phillips:

We have reviewed the Planning Module Component 3 for the referenced project to be located in the City of Pittsburgh. The project will generate an estimated flow of 1200 GPD in the ALCOSAN Allegheny Interceptor and Woods Run Treatment Plant.

The capacity at the A-26-00 Regulator Structure is approximately 1.27 MGD. The monitored peak dry weather flow is approximately 0.1 mgd. Dry weather capacity exists for this connection. However, the ALCOSAN Allegheny 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 412-732-8004.

Sincerely,

**ALLEGHENY COUNTY SANITARY AUTHORITY**

Michael Lichte, P.E.  
Manager of Planning

**Attachment**

cc: T. Dean (w/o attachment)  
D. Thornton (w/o attachment)  
S. McWilliams (w/o attachment)  
Barry King, PWSA (w/o attachment)  
T. Flanagan/PaDEP (w/o attachment)  
F. Fields/ACHD (w/o attachment)



February 11, 2020

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

Subject: Tap Allocation Authorization Letter

Dear Mr. Flanagan:

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

Project Name: 204, 206, 208 39<sup>th</sup> Street

Project Address: 204, 206, 208 39<sup>th</sup> Street  
Pittsburgh, PA 15201

Proposed Flow, gpd: **1,200**

EDU's, 400gpd/EDU: **3**

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 x5523 or SConnell@pgh2o.com.

Sincerely,

A handwritten signature in blue ink that reads "Shannon Connell".

Shannon Connell  
Engineering Co-Op

cc: Barry King, P.E. – PWSA (via email)  
Kate Mechler, P.E. – PWSA (via email)  
Rob Herring, P.E. – PWSA (via email)  
PVE, LLC – Applicant (via email)  
Regis Ryan – DEP (via email)  
eBuilder – Filing System (via email)

February 11, 2020

Ms. Katie Phillips  
PVE, LLC  
Waterfront Corporate Park III  
2000 Georgetowne Drive, Suite 101  
Sewickley, PA 15143-8992

Subject: Sewage Facilities Planning Module (SFPM)  
Approval Letter for Collection System Flows  
Project Name: 204, 206, 208 39<sup>th</sup> Street  
PWSA Project No.: 19013.77

Dear Ms. Phillips,

Pursuant to your request, we have reviewed the SFPM and determined that the 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). We have enclosed for your use the originally signed "Section J – Chapter 94 Consistency Determination". Please be advised that this approval is limited to the collection system portion of the SFPM.

Our review was 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 x5523 or SConnell@pgh2o.com.

Sincerely,



Shannon Connell  
Engineering Co-op

Enclosures

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





**To:** Barry King, P.E. - Director of Engineering and Construction

**From:** Shannon Connell - Engineering Co-Op

**Date:** February 10, 2020

**Subject:** Department of Environmental Protection (DEP) - Sewage Facilities  
Planning Module (SFPM)

Chapter 94 Consistency Determination

Project Name: 204, 206, 208 39<sup>th</sup> Street

Project Address: 204, 206, 208 39<sup>th</sup> Street

PWSA Project Number: 19013.77

Dear Barry,

The Pittsburgh Water and Sewer Authority (PWSA) received a SFPM application for the aforementioned Project. In accordance with Title 25 of the Pennsylvania Code, the PWSA is required to prepare an annual Wasteload Management Report on the collection and conveyance of wastewater relative to available capacity. Our review of the SFPM was conducted to understand how the 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 both the denial of the SFPM and the submission of a Corrective Action Plan to the DEP.

We have determined that the Project will not contribute to a dry-weather hydraulic overload within the next five years. Please refer to the enclosed hydraulic calculations for additional information. Upon your approval, please sign and return the enclosed "Section J - Chapter 94 Consistency Determination" page from the SFPM.

Our review was 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.

Yours truly,

Shannon Connell  
Engineering Co-Op

Enclosures

cc: e-Builder – Filing System

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Code No.
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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 39<sup>th</sup> Street Single Family Homes

2. Brief Project Description 3 single family homes

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

Municipality Name	County	City	Boro	Twp
Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Asciolla	Julie			Business & Dev. Relations Manager

Additional Individual Last Name	First Name	MI	Suffix	Title
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Municipality Mailing Address Line 1	Mailing Address Line 2
Pittsburgh Water and Sewer Authority	1200 Penn Avenue

Address Last Line -- City	State	ZIP+4
Pittsburgh	PA	15222

Area Code + Phone + Ext.	FAX (optional)	Email (optional)
412-255-8800		jasciolla@pgh2o.com

**C. SITE INFORMATION** (See Section C of instructions)

**Site (Land Development or Project) Name**

39<sup>th</sup> Street Single Family Homes

Site Location Line 1

204, 206, 208 39<sup>th</sup> Street

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15201

Latitude

Longitude

Detailed Written Directions to Site From the City of Pittsburgh, head northeast on Grant St toward Sixth Avenue. Continue on Liberty Ave for 1.7 miles. Turn left on 32<sup>nd</sup> Street, then turn left on 32<sup>nd</sup> Street. Then turn right at the 2<sup>nd</sup> cross street onto Penn Ave, after 0.2 mil make a slight left at Butler Street. The development location will be 0.4 mile on your right at 39<sup>th</sup> Street.

Description of Site 3 single family homes

**Site Contact (Developer/Owner)**

Last Name

Mullin

First Name

Robert

MI

Suffix

Phone

917-658-5289

Ext.

Site Contact Title

Owner

Site Contact Firm (if none, leave blank)

39<sup>th</sup> Street Associates, LLC

FAX

Email

robert@penroseadvisors.net

Mailing Address Line 1

1802 Frick Bldg. 437 Grant Street

Mailing Address Line 2

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

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

Last Name

Phillips

First Name

Katie

MI

Suffix

L

Title

EIT

Consulting Firm Name

PVE, LLC

Mailing Address Line 1

2000 Georgetowne Drive, Suite 101

Mailing Address Line 2

Address Last Line -- City

Sewickley

State

PA

ZIP+4

15143

Country

USA

Email

kphillips@pve-llc.com

Area Code + Phone

724-444-1100

Ext.

Area Code + FAX

724-444-1104

**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 3

Connections 3

Name of:

existing collection or conveyance system 39<sup>th</sup> Street

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny River Interceptor

owner Allegheny County Sanitary Authority

**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 Treatment Facility

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number \_\_\_\_\_

Location of discharge point for a new facility. Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

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

As an authorized representative of the permittee, I confirm that the ALCOSAN  
(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 [Signature]

Agent Signature [Signature] Date 7/28/2020

(Also see Section I. 4.)

**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 3

Connections 3

Name of:

existing collection or conveyance system 39<sup>th</sup> Street – 15" VCP

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny River Interceptor

owner Allegheny County Sanitary Authority

**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 Treatment Facility

NPDES Permit Number for existing facility \_\_\_\_\_

Clean Streams Law Permit Number \_\_\_\_\_

Location of discharge point for a new facility. Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

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

As an authorized representative of the permittee, I confirm that the \_\_\_\_\_  
(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 \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_ Date \_\_\_\_\_

(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](http://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](http://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 permittee. The permittee 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 1200 \_\_\_\_\_ gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilities" 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	2,628,580	9,200,030	459,601	1,608,604	482,941	1,690,295
Conveyance		1.27	0.092 mgd	0.104 mgd	0.095	0.107 mgd
Treatment	216.1	250 mgd	216.1	250 mgd	202.9	250 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.  YES       NO 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 PWSA

Name of Responsible Agent Barry K. King, PE

Agent Signature [Signature] Date 2/10/2020

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN  
Name of Responsible Agent Mr. D. Lutz  
Agent Signature [Signature]  
Date 2/28/2020

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.

YES NO

- a.  YES  NO 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 Mr. D. Lutz  
Agent Signature [Signature]  
Date 2/28/2020

**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 sponsor), 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 1200\_\_\_\_\_ 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 purchase 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.

Katie Phillips	
Name (Print)	Signature
E.I.T.	11/21/2020
Title	Date
2000 Georgetowne Drive, Suite 101, Sewickley, 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 \$150 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.

$$\#3 \quad \text{Lots (or EDUs) X } \$50.00 = \$ \underline{150.00}$$

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:

$$\# \quad \text{Lots (or EDUs) X } \$35.00 = \$ \underline{\hspace{2cm}}$$

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

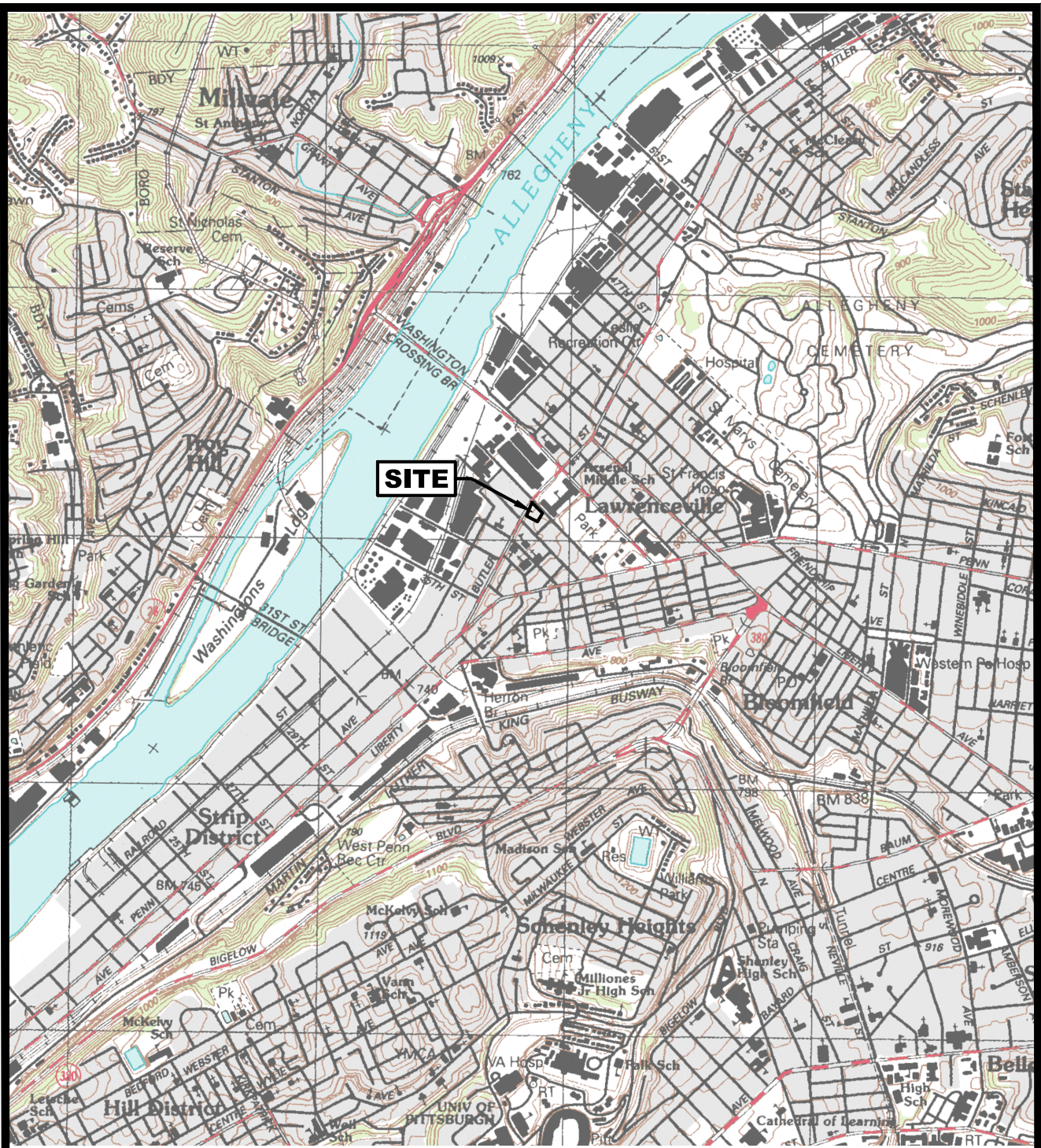
- C. A sub-surface discharge system that requires a permit under The Clean Streams Law will use a flat fee:

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

**COMPONENT 3**  
**APPENDIX**

## **SITE LOCATION MAP**



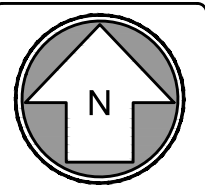


**SITE LOCATION MAP**  
 39TH STREET HOMES  
 CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA



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

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



DATE:	01.22.2020
SCALE:	1"=2000'
PROJECT NUMBER:	161583

**FIGURE 1**

# SOILS MAP



# Custom Soil Resource Report Soil Map (161583 )



Map Scale: 1:353 if printed on A portrait (8.5" x 11") sheet.



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 Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

**Special Point Features**

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

**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 15, Sep 16, 2019

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

Date(s) aerial images were photographed: Oct 15, 2019—Nov 2, 2019

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.

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

November 7, 2019

Katie Phillips  
2000 Georgetowne Drive, Suite 101  
Sewickley, PA 15143

**RE: Water and Sewer Availability**  
204 39<sup>th</sup> Street

Dear Ms. Phillips:

In response to your inquiry on 10/31/2019 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

We wish to advise you that, if it is your desire to tap our water and sewer mains for service, your plans and Water and Sewer Use Application must be approved by the Authority, complete with detail showing the type of connection, meter, and backflow device before any work is performed.

Please note that the Authority in no way guarantees that the available lines have the capacity or pressure adequate for your project's needs. It is the responsibility of the project developer, design consultant, and/or architects to determine, at their expense, the adequacy of the existing water system to fulfill their needs.

If you plan to make modifications to the water or sewer system, please submit design drawings to The Pittsburgh Water and Sewer Authority for approval.

**Refer to the Pittsburgh Water and Sewer Authority (PWSA) website ([www.pgh2o.com](http://www.pgh2o.com)) for the complete "Procedure Manual for Developers". All tap in plans and applications must be submitted according to the manual.**

If you have any questions, please feel free to contact me at (412) 255-8800 x 8030. Thank you.

Sincerely,



Wendy M. Dean  
Engineering Tech II

cc: PWSA File



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: 39TH STREET ASSOCIATES, LLC
Address of Property: 204 39TH STREET, PITTSBURGH, PA 15201
Proposed Use of Site: SINGLE FAMILY RESIDENTIAL
Closest street intersection to the property: 39TH STREET AND BUTLER STREET
Requestor Name: Katie Phillips
Date of Request: 10/31/19
Requestor Address: 2000 Georgetowne Drive, Suite 101, Sewickley, PA 15143
Requestor Phone Number: 724-444-1100

Please submit the completed form to:

Pittsburgh Water and Sewer Authority
1200 Penn Avenue
Pittsburgh, PA 15222
Attn: Permits
(permitinfo@pgh2o.com)

PWSA Use Only:
PWSA Water Service Available: [X] Yes [ ] No Size / Location: 6" 39th St, 20" Butler St.
PWSA Sewer Service Available: [X] Yes [ ] No Size / Location: 15" Butler St.
Applicant must contact separate agency for water and/or sewer service: [ ] Yes [X] No
Name of separate agency:
PWSA Approval Authority: Signature and Date: [Signature]
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.

November 7, 2019

Katie Phillips  
2000 Georgetowne Drive, Suite 101  
Sewickley, PA 15143

**RE: Water and Sewer Availability**  
206 & 208 39<sup>th</sup> Street

Dear Ms. Phillips:

In response to your inquiry on 10/31/2019 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

We wish to advise you that, if it is your desire to tap our water and sewer mains for service, your plans and Water and Sewer Use Application must be approved by the Authority, complete with detail showing the type of connection, meter, and backflow device before any work is performed.

Please note that the Authority in no way guarantees that the available lines have the capacity or pressure adequate for your project's needs. It is the responsibility of the project developer, design consultant, and/or architects to determine, at their expense, the adequacy of the existing water system to fulfill their needs.

If you plan to make modifications to the water or sewer system, please submit design drawings to The Pittsburgh Water and Sewer Authority for approval.

**Refer to the Pittsburgh Water and Sewer Authority (PWSA) website ([www.pgh2o.com](http://www.pgh2o.com)) for the complete "Procedure Manual for Developers". All tap in plans and applications must be submitted according to the manual.**

If you have any questions, please feel free to contact me at (412) 255-8800 x 8030. Thank you.

Sincerely,



Wendy M. Dean  
Engineering Tech II

cc: PWSA File





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.

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: 39TH STREET ASSOCIATES, LLC
Address of Property: 206 AND 208 39TH STREET, PITTSBURGH, PA 15201
Proposed Use of Site: (2) SINGLE FAMILY RESIDENTIAL
Closest street intersection to the property: 39TH STREET AND BUTLER STREET
Requestor Name: Katie Phillips Date of Request: 10/31/19
Requestor Address: 2000 Georgetowne Drive, Suite 101, Sewickley, PA 15143
Requestor Phone Number: 724-444-1100

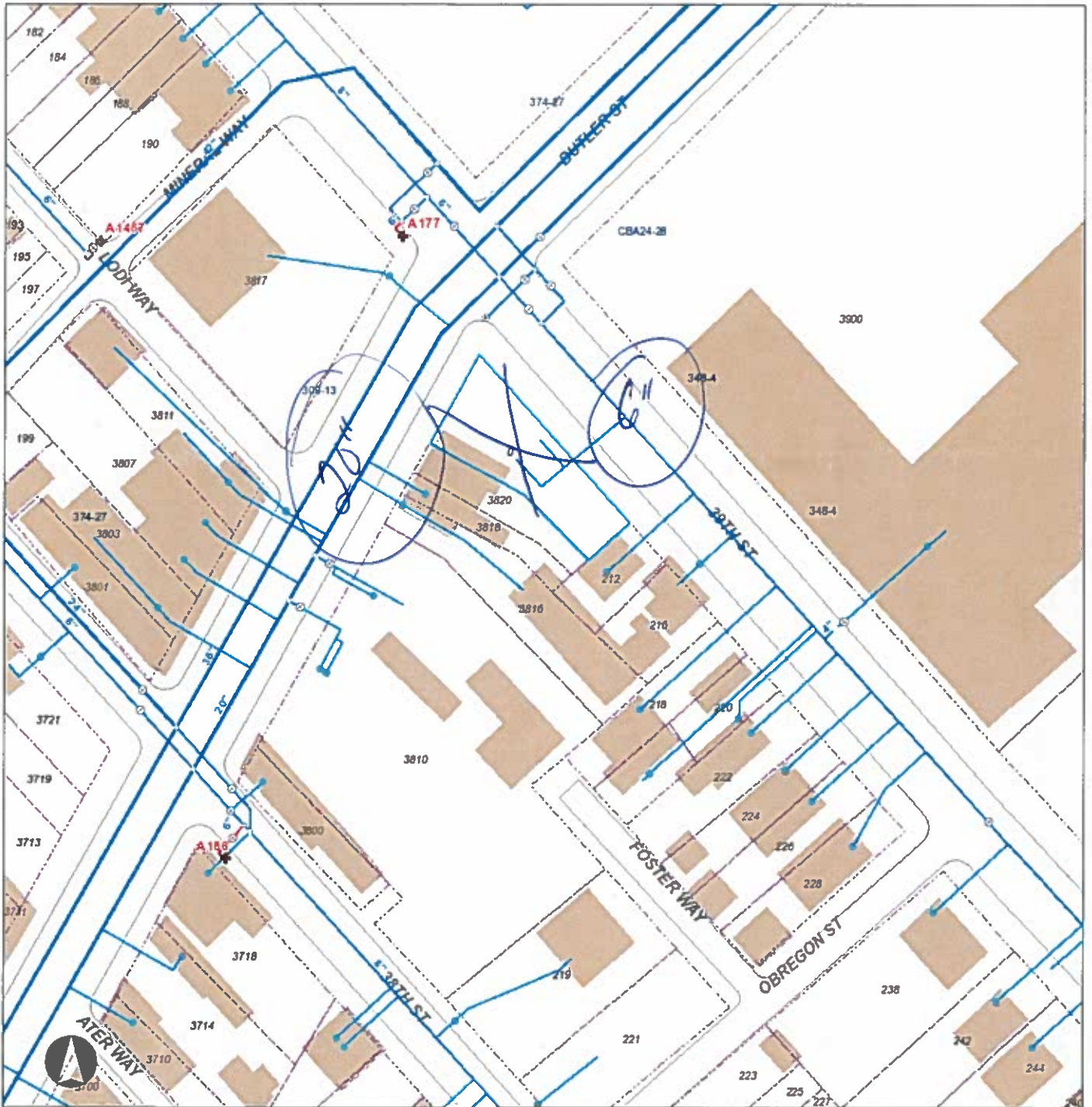
Please submit the completed form to:

Pittsburgh Water and Sewer Authority
1200 Penn Avenue
Pittsburgh, PA 15222
Attn: Permits
(permitinfo@pgh2o.com)

PWSA Use Only:
PWSA Water Service Available: [X] Yes [ ] No Size / Location: 6" 39th Street 20" Butler St.
PWSA Sewer Service Available: [X] Yes [ ] No Size / Location: 15" Butler Street 15" 39th St.
Applicant must contact separate agency for water and/or sewer service: [ ] Yes [X] No
Name of separate agency:
PWSA Approval Authority: Signature and Date: [Handwritten Signature]
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.

# 206 - 208 39th Street - Water



## Legend

- |                            |                      |                            |
|----------------------------|----------------------|----------------------------|
| ● Meter                    | ○ Water Manhole      | ■ Outfall                  |
| ⊠ Pump                     | — Rising Main        | ✦ End Cap                  |
| ⊕ Hydrant                  | — Supply Main        | ■ Sewer Pump Station       |
| ⊕ Hydrant - Out of Service | — Transmission Main  | — Combined Sewer           |
| ⊗ System Valve             | — Distribution Main  | — Sanitary Sewer           |
| ⊗ Dividing Pressure Valve  | — Hydrant Branch     | — Storm Sewer              |
| □ Cap                      | — Private Main       | — Regulated Combined Sewer |
| ⊕ Tee or Cross             | — Water Service Line | — Overflow Sewer           |
| ⊗ Reducer                  | ● Manhole            | — Interceptor              |
| — Coupling                 | ● Junction           | — Sewer Force Main         |
| ⊕ Wash Out                 | □ Inlet              | — Private Sewer            |
|                            | □ Private Inlet      | — Undefined Sewer          |

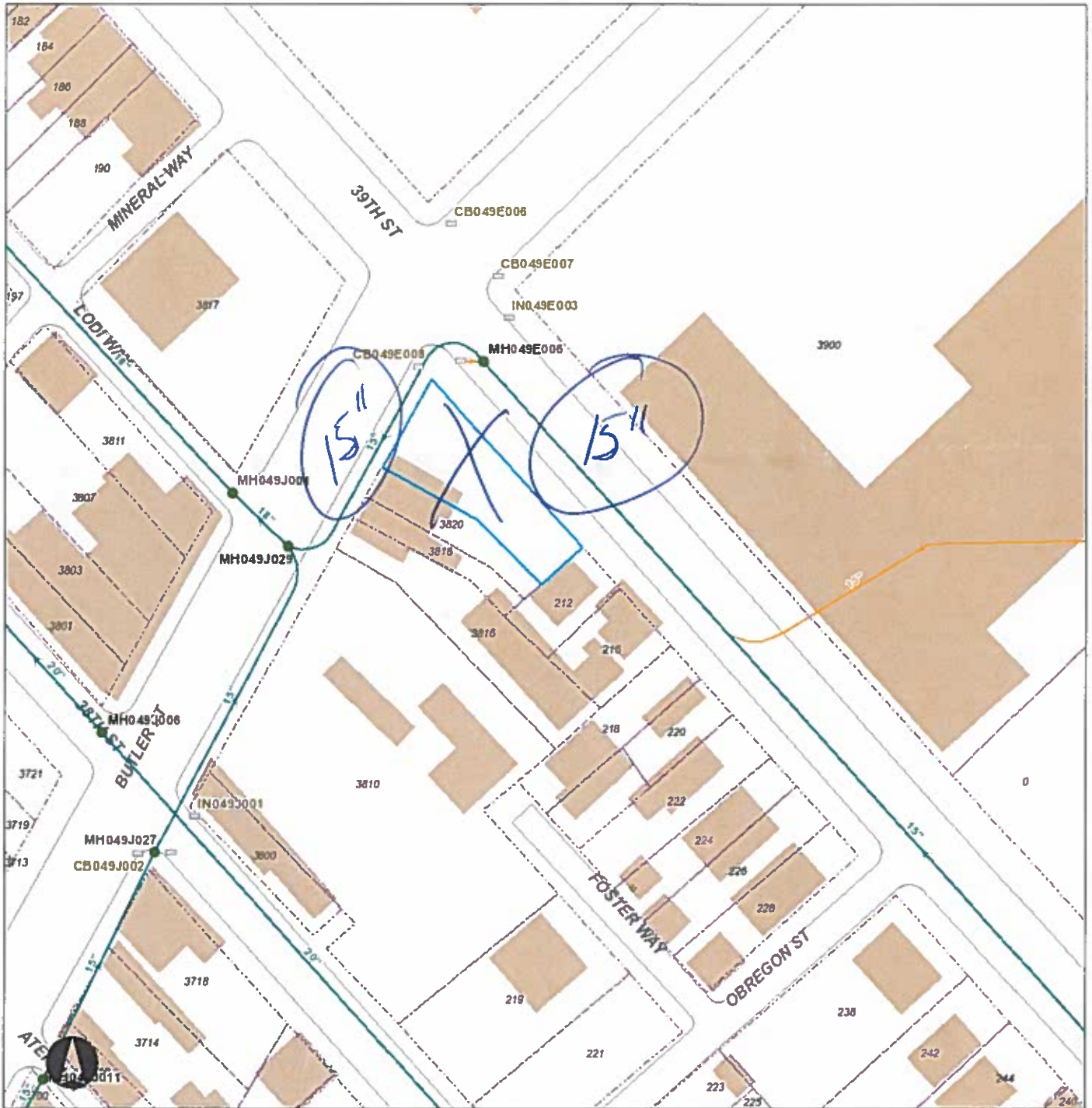


Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations made on the basis of such information. COP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefor is assumed by the City or the PWSA.

Date: 11/6/2019



# 206- 208 39th Street - Sewer



## Legend

- |                            |                      |                            |
|----------------------------|----------------------|----------------------------|
| ● Meter                    | ○ Water Manhole      | ■ Outfall                  |
| ⊠ Pump                     | — Rising Main        | ■ End Cap                  |
| ⊕ Hydrant                  | — Supply Main        | ■ Sewer Pump Station       |
| ⊕ Hydrant - Out of Service | — Transmission Main  | — Combined Sewer           |
| ⊗ System Valve             | — Distribution Main  | — Sanitary Sewer           |
| ⊗ Dividing Pressure Valve  | — Hydrant Branch     | — Storm Sewer              |
| □ Cap                      | — Private Main       | — Regulated Combined Sewer |
| ⊕ Tee or Cross             | — Water Service Line | — Overflow Sewer           |
| ⊕ Reducer                  | ● Manhole            | — Interceptor              |
| — Coupling                 | ● Junction           | — Sewer Force Main         |
| ⊕ Wash Out                 | □ Inlet              | — Private Sewer            |
|                            | □ Private Inlet      | — Undefined Sewer          |



Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations made on the basis of such information. CDP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefore is assumed by the City or the PWSA.

**SECTION F**  
**PROJECT NARRATIVE**

## Section F – Project Narrative

### 39th STREET HOMES

#### **Proposed Method of Sewage Service:**

39th Street Associates, LLC is proposing to develop three (3) single family residential homes located in the 6th Ward of the City of Pittsburgh, Allegheny County, Pennsylvania (see Figure 1). The 39th Street homes will be located at 204, 206 and 208 lots on 39th Street in the 6th Ward of the City of Pittsburgh. The first proposed home at the address 204 39th Street, Parcel ID 49-J-320. The lot is approximately 0.055 acres in size, and it is owned by the applicant, 39th Street Associates LLC. The second proposed home at the address 206 39th Street, Parcel ID 49-J-321. The lot is approximately 0.024 acres in size, and it is owned by the applicant, 39th Street Associates LLC. The third proposed home at the address 208 39th Street, Parcel ID 49-J-322. The lot is approximately 0.024 acres in size, and it is owned by the applicant, 39th Street Associates LLC. Each home will contain two (2) bedrooms and two and one half (2.5) bathrooms.

The proposed 39<sup>th</sup> Street homes will be serviced by a 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 sewage treatment plant. This development will generate approximately 1,200 gallons per day into the system.

The total property boundary is approximately 0.103 acres of which approximately 0.103 acres will be disturbed.

#### **Justification of Anticipated Flows:**

Land Use	Area/Units	Flow/Units	Total Flow	Description
Residential	3 EDUs	400 GPD/EDU	1,200 GPD	3 single family homes
Residential	3 EDUs	400 GPD/EDU	1,200 GPD	3 proposed additional EDU <b>3 Total EDUs</b>

# **WETLAND PROTECTION**

## **Section 3.G – Wetland Protection**

39<sup>th</sup> STREET HOMES

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

# **PHMC DOCUMENTS**





Pennsylvania  
Historical & Museum  
Commission

# PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on  
State and Federal Undertakings

<b>SHPO USE ONLY</b>		Reviewers: ___/___
DATE RECEIVED: 1/24/20	DATE DUE: 2/7/20	
ER NUMBER: 2020-0682-003	HRSF: A	

REV: 06/2018

## SECTION A: PROJECT NAME & LOCATION

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

Project Name 39th Street Homes County Allegheny Municipality City of Pittsburgh  
Project Address 204, 206, and 208 39th Street City/State/ Zip Pittsburgh PA 15201

## SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name Katie Phillips Phone (724) 444-1100  
Company PVE, LLC Fax (724) 444-1104  
Street/PO Box 2000 Georgetown Drive, Suite 101 Email kphillips@pve-llc.com  
City/State/Zip Sewickley PA 15143

## SECTION C: PROJECT DESCRIPTION

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

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

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

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

Total acres of project area: 0.103 Total acres of earth disturbance: 0.103

Are there any buildings or structures within the project area?  Yes  No Approximate age of buildings: \_\_\_\_\_

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

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

## 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)

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: B. Smedley DATE: 1/28/2020

Date: 1/28/2020  
ER#: 2020-0682-003-A



**Pennsylvania State Historic Preservation Office**  
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

**REQUEST FOR ADDITIONAL INFORMATION**

Please submit the following checked items for PHMC-SHPO to proceed with project review:

**A. FUNDING/ PERMITTING/ LICENSING/ APPROVAL PROGRAM**

Identify the Federal/State Agency and funding program or permit/license

**B. PROJECT DESCRIPTION**

- Narrative description of the project and related actions resulting from the project
- Proposed boundary of the project's Area of Potential Effect (APE), including:
  - Justification of APE
  - Consideration of visual impacts
- Site or architectural plans of existing conditions
- Preliminary architectural drawings or plans and/or site plans of proposed development
- Provide plans and alignment for portions interior and exterior to current road/railroad/utility ROW. Flag exterior segments.

**C. PROJECT LOCATION**

- U.S.G.S 7.5 min. series quadrangle with the following information:
  - Project location(s) and limits clearly marked using a colored pen
  - Name of the quadrangle
  - Nearest place name.
  - For assistance, see our tutorial:  
<https://www.phmc.pa.gov/Preservation/About/Documents/Tutorial-6-Locating-Topo-Maps.pdf>
- Street map
- Street address of property
- Municipality in which project is located (not mailing address location)

**D. PROJECT SIZE**

- Acreage of project area
- Miles/feet of project area and Right-of-Way (ROW) width
- Extent and nature of ground disturbing activities (i.e. grading, trenching, foundation excavation)

**E. PHOTOGRAPHS (No photocopies. Clear, color, high resolution digital images required)**

- Exterior of all building(s)/structures, streetscape, and features in project area
- Interior of building(s) illustrating the proposed work areas/features
- Current and/or historic aerial photos (<http://www.pennpilot.psu.edu/>)
- Project potentially affects historically associated farmland. Provide photos of all farm complex buildings.

**F. CULTURAL RESOURCE IDENTIFICATION**

- Pennsylvania Historic Resource Survey Form(s) for all properties 50 years or older within the APE, available at: <https://www.phmc.pa.gov/Preservation/About/Documents/Historic-Resource-Survey-Form.pdf>
  - Instructions can be found here:  
<https://www.phmc.pa.gov/Preservation/About/Documents/How to Complete PA HRSF.pdf>
- Utilize the context documents found here: <https://www.phmc.pa.gov/Preservation/National-Register/Pages/Contexts-Topic.aspx>
  - Agricultural Resources of Pennsylvania, c 1700-1960
  - Public Elementary and Secondary Schools in Pennsylvania, 1682-1969
  - Other \_\_\_\_\_  
Found here: \_\_\_\_\_
- Utilize the following previously identified comparative properties:

**G. EFFECTS**

- How will the project affect building(s) over 50 years old?
- National Register listed/eligible property(s) exist in project area (listed below). How will the project affect the historic property(s)? KEY # 106870
  - Lawrenceville Historic District

Other: Please provide history of land use in project area.

## **THREATENED SPECIES (PNDI)**



## 1. PROJECT INFORMATION

Project Name: **39th Street Homes**

Date of Review: **1/22/2020 12:02:45 PM**

Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**

Project Area: **0.18 acres**

County(s): **Allegheny**

Township/Municipality(s): **PITTSBURGH**

ZIP Code: **15201**

Quadrangle Name(s): **PITTSBURGH EAST**

Watersheds HUC 8: **Lower Allegheny**

Watersheds HUC 12: **Allegheny River-Ohio River**

Decimal Degrees: **40.467289, -79.963649**

Degrees Minutes Seconds: **40° 28' 2.2409" N, 79° 57' 49.1374" W**

## 2. SEARCH RESULTS

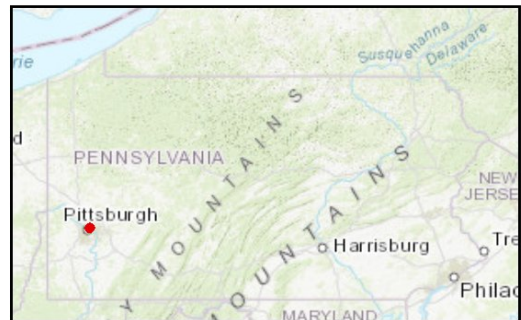
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	<b>Conservation Measure</b>	<b>No Further Review Required, See Agency Comments</b>
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

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.

### 39th Street Homes



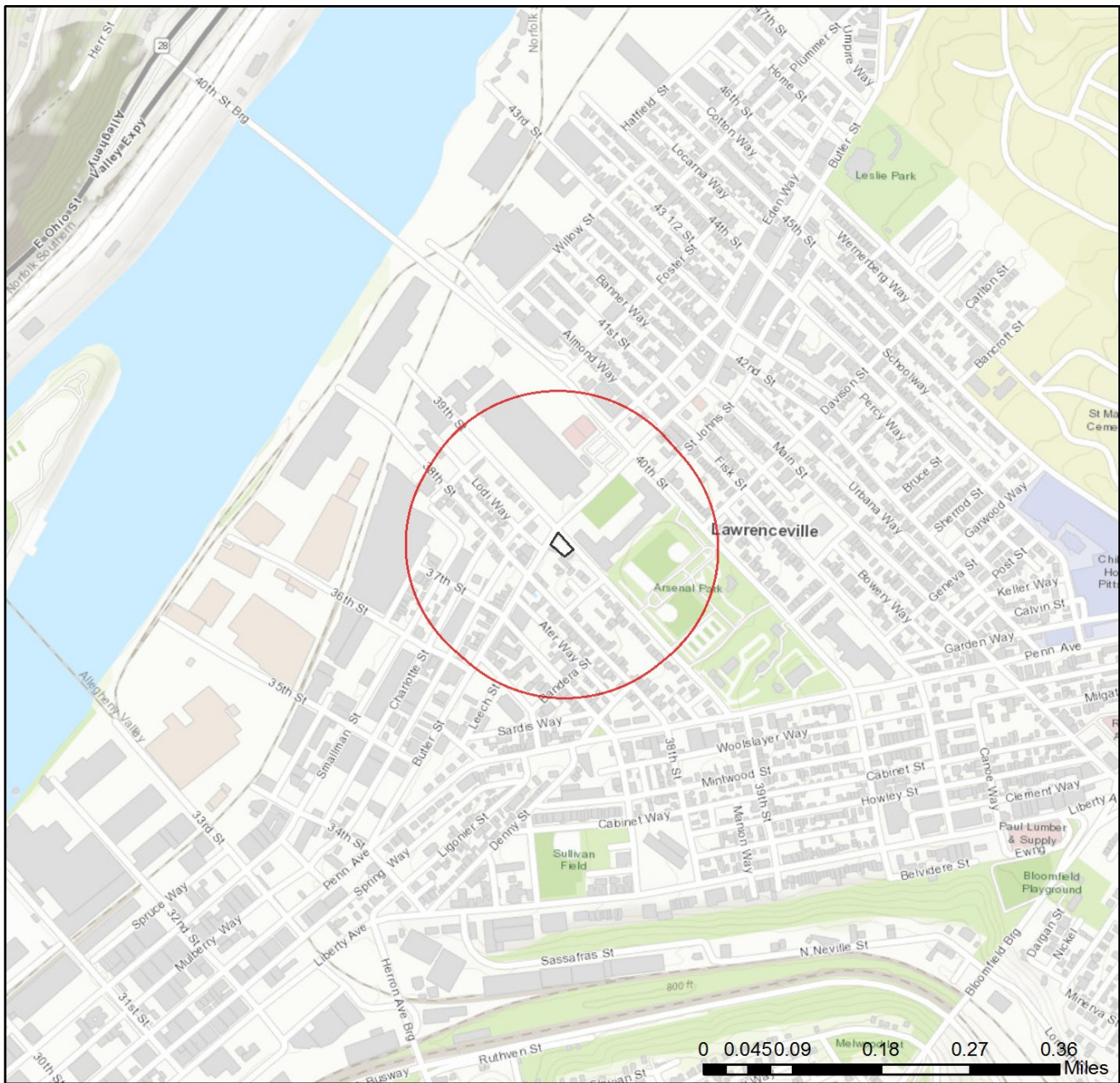
- Project Boundary
- Buffered Project Boundary



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

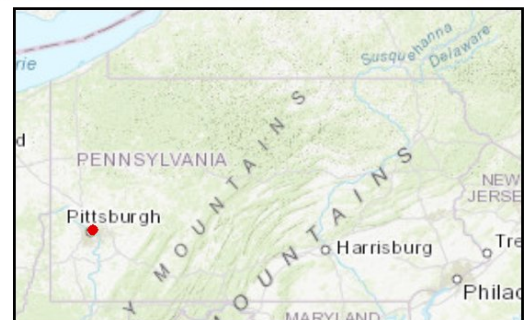


### 39th Street Homes



- Project Boundary
- Buffered Project Boundary

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



## RESPONSE TO QUESTION(S) ASKED

**Q1:** The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).

**Your answer is:** No forests, woodlots or trees will be affected by the project.

**Q2:** Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?

**Your answer is:** No

### 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:

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*

## U.S. Fish and Wildlife Service

### RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

\* 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](http://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](mailto: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](mailto: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](mailto:RA-PGC_PNDI@pa.gov)  
NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: KATIE PHILLIPS  
Company/Business Name: PVE, LLC  
Address: 2000 GEORGETOWNE DRIVE, STE. 101  
City, State, Zip: SEWICKLEY, PA 15143  
Phone: ( 724 ) 444-1100 Fax: ( 724 ) 444-1104  
Email: KPHILLIPS@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.

K. Phillips  
applicant/project proponent signature

1-22-2020  
date

**SECTION H**  
**ALTERNATIVE ANALYSIS**

## **Section H – Alternative Sewage Facilities Analysis**

### **39th STREET HOMES**

#### **Proposed Method of Sewage Disposal**

The proposed 39<sup>th</sup> Street Homes 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**

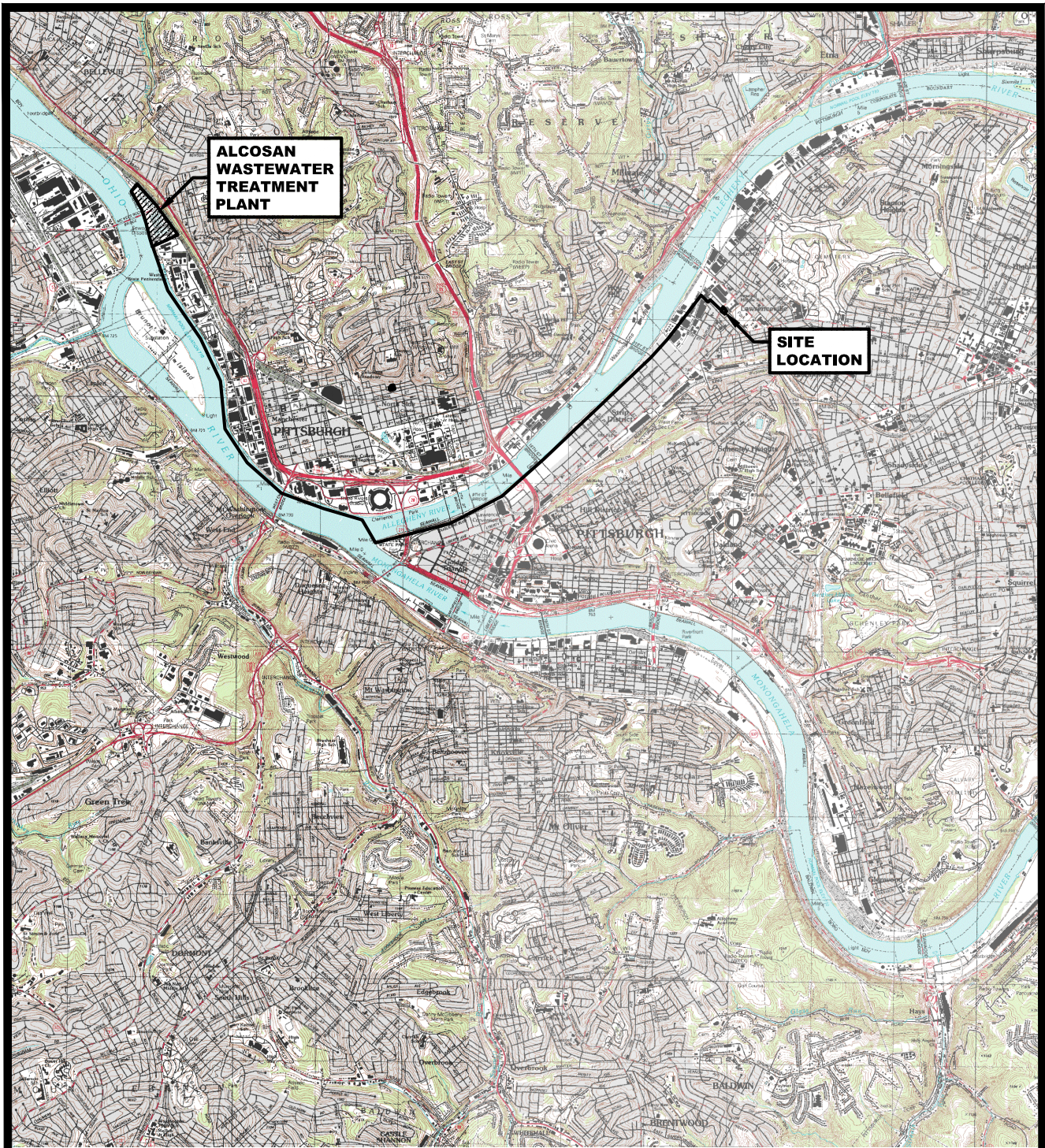
In keeping with the proposed method of sewage disposal, which is to construct a gravity sewer, different alternatives are available with respect to connection point to the existing system. The proposed alignment which will convey sewage from the proposed site to the existing ALCOSAN sewage system was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

#### **Conclusion**

The proposed method of providing sewer service to the proposed 39<sup>th</sup> Street Homes 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

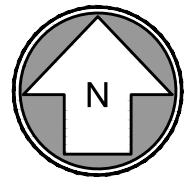
39th STREET HOMES

CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA



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

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



DATE:	01.22.2020
SCALE:	1"=6000'
PROJECT NUMBER:	161583

FIGURE 2



**SECTION J**  
**FLOW TABLE FOOTNOTES AND**  
**DRY WEATHER FLOW CALCULATION**

39<sup>th</sup> Street

Time: 9:00 AM

Date: 11/19/2019

Location /(e.g. MH/IN ID): MH049E006

Weather conditions: Dry

Person/company measuring flow: PVE, LLC

**Section J – Chapter 94 Consistency Determination Footnotes**  
**39<sup>th</sup> Street Homes**

204, 206, and 208 39<sup>th</sup> Street, Pittsburgh, PA 15201

**39<sup>th</sup> Street Flow Calculations**

- (1) Design/Permitted collection system average design capacity computed using static Manning's analysis based on existing 15" vitrified clay sewer, with slope of 6.43%, Manning's n-value of 0.015 and full flow depth, divided by a peaking factor of 3.5 for combination sewers = 2,628,580 gpd.
- (2) Design/Permitted collection system peak design capacity computed using static Manning's analysis based on existing 15" vitrified clay sewer, with slope of 6.43%, Manning's n-value of 0.015 and full flow depth = 9,200,030 gpd.
- (3) Present collection system average flow computed using static Manning's analysis based on existing 15" vitrified clay sewer, with slope of 6.43%, Manning's n-value of 0.015 and measured flow depth of 2.28 inches = 459,601 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 = 1,608,604 gpd.
- (5) Projected collection system average flow computed using the present average flows computed in Footnote 3 plus project flows of 1,200 gpd, multiplied by a 5% growth factor = 482,941 gpd.
- (6) Projected collection system peak flow computed using the present peak flows computed in Footnote 4 plus project flows of 1,200 gpd, multiplied by a 5% growth factor = 1,690,295 gpd.

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

Manhole Location: 39<sup>th</sup> Street – MH049E006

Time of Measurement: 9:00AM

Date of Measurement: 11/19/2019

Measurement Provided By: PVE, LLC





## Dry Weather Flow and Design Capacity Calculations

39<sup>th</sup> Street Homes

204, 206, and 208 39<sup>th</sup> Street, Pittsburgh, PA 15201

39<sup>th</sup> Street Flow Calculations

Given: 15" vitrified clay combination sewer at a slope of 6.43% (S). Manning's N Value = 0.015.

### Dry Weather Flow Calculation:

Flow Depth measure in downstream manhole = 2.28 inches or 0.19 feet (h).

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

$$\theta = 2 \cos^{-1} \left( \frac{0.625-0.19}{0.625} \right) \quad \theta = 1.60 \text{ radians}$$

$$\text{therefore, Area of Flow in Pipe} = \frac{0.625^2(1.60 - \sin(1.60))}{2} \quad A = 0.12 \text{ ft}^2$$

$$\text{Wetted Perimeter (P)} = r\theta, \text{ therefore } P = 0.625(1.60) = 1.0 \text{ ft}$$

$$\text{Hydraulic Radius (R}_h\text{)} = \frac{A}{P}, \text{ therefore } R_h = \frac{0.12}{1.0} = 0.12 \text{ ft}$$

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

$$Q = \frac{1.49}{0.015} (0.12)^{\frac{2}{3}} (0.0643)^{\frac{1}{2}} (0.12) (0.64632), \quad Q = 0.46 \text{ mgd}$$

### Design Capacity of Pipe Calculation:

Full Flow Capacity, Depth = 15 inches or 1.25 feet (h).

$$\text{Area of Flow in Pipe} = \frac{\pi D^2}{4}, \text{ therefore } A = \frac{\pi 1.25^2}{4} \quad A = 1.23 \text{ ft}^2$$

$$\text{Wetted Perimeter} = \pi D, \text{ therefore } P = \pi(1.25) = 3.93 \text{ ft}$$

$$\text{Hydraulic Radius (R}_h\text{)} = \frac{A}{P}, \text{ therefore } R_h = \frac{1.23}{3.93} = 0.313 \text{ ft}$$

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

$$Q = \frac{1.49}{0.015} (0.313)^{\frac{2}{3}} (0.0643)^{\frac{1}{2}} (1.23) (0.64632), \quad Q = 0.92 \text{ mgd}$$

**PLOT PLANS FOR  
SEWAGE FACILITY PLANNING  
PURPOSES**



**COMPONENT 4A**  
**MUNICIPAL PLANNING AGENCY REVIEW**



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 existing local municipal planning agency for their comments.

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

Project Name  
39<sup>th</sup> St. Homes

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

1. Date plan received by municipal planning agency. 3-3-20  
 2. Date review completed by agency. 3-5-20

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

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

**SECTION C. AGENCY REVIEW (continued)**

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Act 537 Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances?
17. Name, title and signature of planning agency staff member completing this section:		
Name: <u>Martina Battistone</u>		
Title: <u>sr. environmental planner</u>		
Signature: <u>MBattistone</u>		
Date: <u>3-5-20</u>		
Name of Municipal Planning Agency: <u>City of Pittsburgh</u>		
Address: <u>200 Ross St. 4th Floor Pittsburgh, PA</u>		
Telephone Number: <u>(412) 255-2516</u>		

**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 desired, 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 project sponsor.

**COMPONENT 4C**  
**COUNTY HEALTH DEPARTMENT REVIEW**



## 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.