

**Sewage Facilities Planning Module  
Application Package**

for

**FIFTH AVENUE TOWNHOMES**

City of Pittsburgh  
Allegheny County, PA

May 10, 2018  
Amended January 28, 2019  
Final March 1, 2019

Prepared for:

**RRG 5135, LLC**  
2501 LIBERTY AVENUE #2E  
PITTSBURGH, PA 15222

Prepared by:

**FAHRINGER, McARTY, GREY, INC.**  
**LANDSCAPE ARCHITECTS & ENGINEERS**  
1610 Golden Mile Highway  
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(724) 327-0599

Job No. 5060

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**SEWAGE FACILITIES PLANNING MODULE –  
COMPONENT 3**



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

Code No.
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**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 **FIFTH AVENUE TOWNHOMES**

2. Brief Project Description

THE PROJECT PROPOSES TO CONSTRUCT SIX RESIDENTIAL TOWNHOMES.

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

Municipality Name <b>PITTSBURGH</b>	County <b>ALLEGHENY</b>	City <input checked="" type="checkbox"/>	Boro <input type="checkbox"/>	Twp <input type="checkbox"/>
Municipality Contact Individual - Last Name <b>[REDACTED]</b>	First Name <b>[REDACTED]</b>	MI	Suffix	Title
Additional Individual Last Name <b>SMUTS</b>	First Name <b>MATTHEW</b>	MI	Suffix	Title <b>ASSOC. PM</b>
Municipality Mailing Address Line 1 <b>PENN LIBERTY PLAZA, 1200 PENN AVENUE</b>	Mailing Address Line 2			
Address Last Line - City <b>PITTSBURGH</b>	State <b>PA</b>	ZIP+4 <b>15222</b>		
Area Code + Phone + Ext. <b>412-255- [REDACTED]</b>	FAX (optional) <b>412-393-0517</b>	Email (optional)		

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

**Site (Land Development or Project) Name**  
FIFTH AVENUE TOWNHOMES

Site Location Line 1 5135 FIFTH AVENUE		Site Location Line 2		
Site Location Last Line -- City PITTSBURGH	State PA	ZIP+4 15232	Latitude	Longitude

**Detailed Written Directions to Site**  
SITE IS LOCATED AT 5135 FIFTH AVENUE, PITTSBURGH, PENNSYLVANIA

**Description of Site**  
EXISTING SITE CONTAINS AN UNOCCUPIED BUILDING THAT WAS FORMERLY A PROFESSIONAL OFFICE BUILDING AND / OR RESIDENCE.

**Site Contact (Developer/Owner)**

Last Name CASEY	First Name JOSEPH	MI R	Suffix	Phone	Ext.
Site Contact Title		Site Contact Firm (if none, leave blank) RRG 5135, LLC			
FAX		Email			

Mailing Address Line 1 2501 LIBERTY AVENUE #2E		Mailing Address Line 2		
Mailing Address Last Line -- City PITTSBURGH	State PA	ZIP+4 15222		

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

Last Name ALMETER	First Name BRIAN	MI J	Suffix
Title PROJECT MANAGER	Consulting Firm Name FAHRINGER, McCARTY, GREY, INC.		
Mailing Address Line 1 1610 GOLDEN MILE HIGHWAY		Mailing Address Line 2	
Address Last Line -- City MONROEVILLE	State PA	ZIP+4 15146	Country USA
Email ALMETER@FMGINC.US	Area Code + Phone 724.327.0599	Ext.	Area Code + FAX 724.733.4577

**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: THE 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 6

Connections 1

Name of:

existing collection or conveyance system 15" COMBINED SEWER IN 5TH AVE

owner THE PITTSBURGH WATER AND SEWER AUTHORITY

existing interceptor \_\_\_\_\_

owner \_\_\_\_\_

**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

NPDES Permit Number for existing facility PA0025984

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

Location of discharge point for a new facility. Latitude 80°02'44" Longitude 80°02'44"

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 Michael D. Luchter

Agent Signature \_\_\_\_\_ Date 2/12/19

(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 Web site 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-WSFR0353-1) 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 2400 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	1,293,447	4,527,063	453,831	1,588,164	477,169	1,670,092 MCG
Conveyance		31.2 mgd	8.81 mgd	10.8 mgd	8.89 mgd	10.81 mgd
Treatment		250 mgd	114.8 mgd	250	194.8 mgd	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 KING, ACTING DIRECTOR OF ENGINEERING

Agent Signature [Signature] Date 1/18/19

**J. CHAPTER 94 CONSISTENCY DETERMINATION (Continued)**

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Mark D. Lichter

Agent Signature [Signature]

Date 2/12/19

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.

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 Mark D. Lichter

Agent Signature [Signature]

Date 2/12/19

**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 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 \_\_\_\_\_ 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)

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

- 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?
- 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.

BRIAN J. ALMETER - AGENT FOR OWNER

Name (Print)

*Brian Almeter*

Signature

PROJECT MANAGER

05/10/2018

Date

1610 GOLDEN MILE HWY MONROEVILLE PA 15146

(724) 327-0599

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 \$\_\_\_\_\_ 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 ALLEGHENY County, Pennsylvania

Deed Volume 10421

Book Number \_\_\_\_\_

Page Number 161

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.

$$\# \text{ _____ Lots (or EDUs) X } \$50.00 = \$ \text{ _____}$$

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:

$$\# \text{ _____ Lots (or EDUs) X } \$35.00 = \$ \text{ _____}$$

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)

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**SECTION C – AVILABILITY OF DRINKING SUPPLY**



Pittsburgh  
Water & Sewer  
Authority

January 8, 2018

Mr. Sean Naylor  
Red Swing Group  
One Monroeville Center  
3824 Northern Pike, Suite 800  
Monroeville, PA 15146

**RE: Water and Sewer Availability  
PGH Developers  
5127-5137 5<sup>th</sup> Avenue - 15232**

Dear Mr. Naylor:

In response to your inquiry on 1/2/2018 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) 255-0841. Thank you.

Sincerely,

  
Michelle E. Carney  
Engineering Technician III

MEC

cc: PWSA File

Penn Liberty Plaza I  
1200 Penn Avenue  
Pittsburgh PA 15222

info@pgh2o.com  
T 412.255.2423  
F 412.255.2475

[www.pgh2o.com](http://www.pgh2o.com)  
@pgh2o

Customer Service /  
Emergencies:  
412.255.2423





# 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.

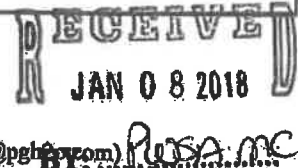
This request form is required for all of the following types of development. (Please note that the term "sewer" refers to sanitary sewers, combined sewers, and storm sewers.)

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.

<b>Information to be submitted by the Applicant:</b>			
Property Owner Name:	PGH Developers		
Address of Property:	5127-5137 5th Avenue, Pittsburgh, PA 15232	526-133	
Proposed Use of Site:	Six-unit, attached, single family building project Residential development		
Closest street intersection to the property:	5Th Avenue & Wilkins Avenue		
Requestor Name:	Sean Naylor- Red Swing Group	Date of Request:	01/02/2018
Requestor Address:	One Monroeville Center 3824 Northern Pike, Suite 800, Monroeville, PA 15146		
Requestor Phone Number:	(724) 325-1215		

Please submit the completed form to:

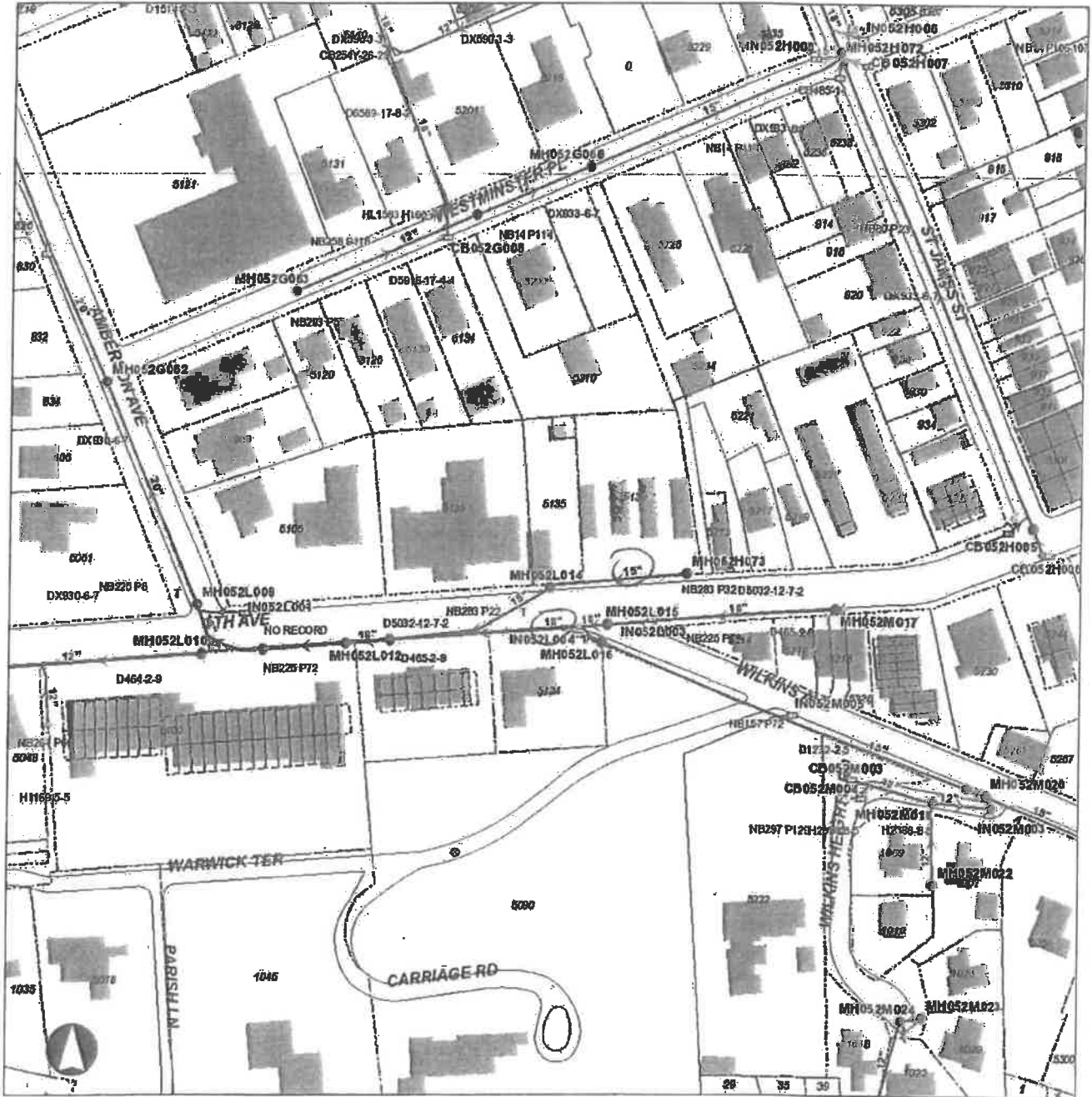
Pittsburgh Water and Sewer Authority  
Engineering and Construction Division  
1200 Penn Avenue  
Pittsburgh, PA 15222  
Attn: Ms. Michelle Carney (mcarney@pghpa.com)



<b>PWSA Use Only:</b>	
PWSA Water Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Size / Location: 16" x 8" 5th Avenue
PWSA Sewer Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Size / Location: 15" x 18" 5th Avenue
Applicant must contact separate agency for water service:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Name of separate agency:	N/A
PWSA Approval Authority:	Signature and Date: Michelle Carney 1/8/2018
	Name (printed): Michelle Carney
	Title: Engineering Tech 3

**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.

# 5127-5137 5th Avenue



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



**PGH<sub>2</sub>O**

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 conditions or interpretations made on the basis of such information. COP and PWSA assume no responsibility for any understanding, representations made by the agents or employees unless such understanding or representations are explicitly 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: 08/2013

# 5127-5137 5th Avenue



## Legend

● Meter	⊙ Water Manhole	■ Outfall
⊠ Pump	— Ring Main	◆ Eng 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



**PGH<sub>2</sub>O**

Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information for any use available, including but not limited to information concerning the location and condition of underground structures, and shall not be liable for any consequences 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 executed written document, and both documents expressly provide that responsibility therefore is assumed by the City or the PWSA.

Date: 1/8/2018

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**SECTION F – PROJECT NARRATIVE**

**PROJECT NARRATIVE  
and  
FLOW CALCULATION SHEET**

**For the  
Fifth Avenue Townhomes**

Applicant: Brian J. Almeter, Fahringer, McCarty, Grey Inc.  
Agent for: Property Owner, RRG 5135, LLC and Eos Studio Arc, LLC

**Project Site Location, Zoning Classification and Proposed Use:**

The site to be developed is located at 5135 Fifth Avenue. The property consists of Tax Parcel 052-G-00130 and 052-G-00133 and is currently owned by RRG 5135, LLC in Deed Book Volume 17113 Pages 117 inclusive. The total area of the project is 11,790 sq. ft. or 0.27 Acres. The existing building within the develop area is currently unoccupied. But was previously used as a professional office space and/or residential dwelling, as well as a utility maintenance building.

The project site is located in a Multi-Unit Residential Zoning District. The anticipated use, by Zoning Ordinance definition, is Multi-Unit Residential of four or more dwelling units on a single parcel and are contained within a single building.

The proposed development includes the demolition of two existing buildings which will be replaced by six (6) townhomes and associated driveways. In order to create marketable and leasable units, the proposed development will include vehicular access to individual garages for each unit. Stormwater will be collected in the proposed inlets to minimize impact to the adjacent properties.

**Estimated Stormwater Flows for the Existing and Proposed Conditions:**

The existing estimated storm flows were calculated based on the Rational Method,  $Q=CiA$  using the 25 year storm event. These calculations are based on the entire property being covered by building roof or pavement. The existing storm flows are as follows:

Where:

- Q = maximum rate of runoff, cubic feet per second (cfs)
- C = coefficient of runoff based on type and character of surface.
- i = average rainfall intensity, inches per hour (5.8" per hour for 25 year storm.)
- A = drainage area in acres.

$$Q \text{ (Existing)} = CiA$$
$$Q = 0.66 \times 5.8 \times 0.27 = 1.00 \text{ cfs}$$

$$Q \text{ (Proposed)} = CiA$$
$$Q = 0.85 \times 5.8 \times 0.27 = 1.3 \text{ cfs} *$$

- \* Please note that the proposed development will utilize inlets and pipes to convey the stormwater runoff from the proposed site. The majority of the overland runoff, however, will flow into the yard area.

**Water Consumption and Sewage Flow Estimates:**

In order to quantify the difference in the prior water and sewage flows versus the proposed uses, the following is an estimate of flows from the building areas occupied prior to being vacated. It is assumed that this was a professional office and/or residential home prior to being "abandoned." Therefore, the existing sewage generated was 400 gallons per day.

The proposed water consumption and sanitary flow estimates for the proposed six (6) unit condominium and is as estimated below. Please note that it is anticipated that these individual units will use considerably less water per unit than as estimated below based on similar apartment units that have been of similar bedroom mix and unit counts.

Condominiums (6 units total) 400 gal/day x 6 dwelling units = 2,400 gallons per day

Total Sanitary Flow per day = 2,400 gallons or 6 EDU's

Total Water Usage per day = 2,400 gallons per day

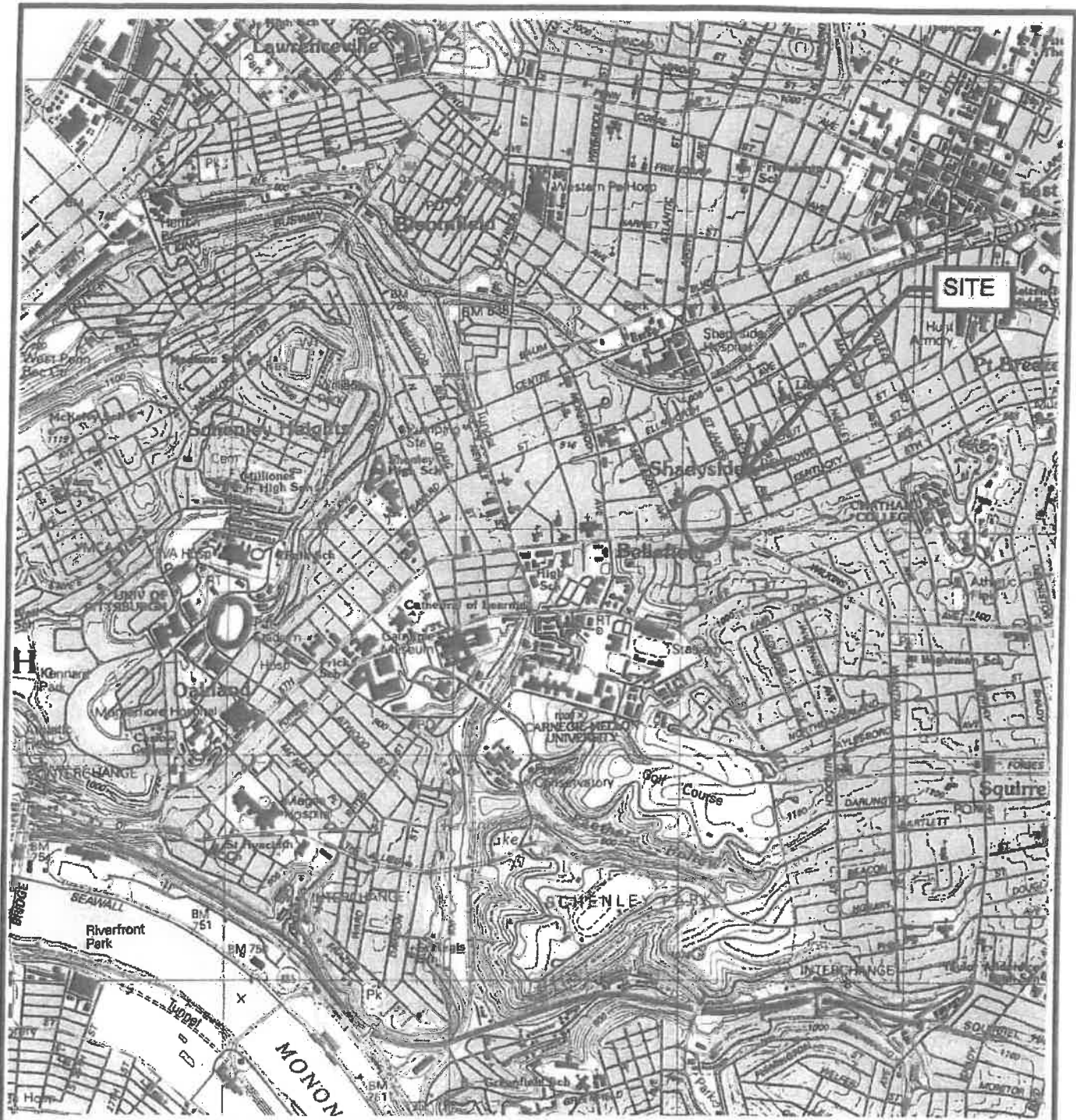
Net increase of sanitary and water flow per day is =

~~2,000~~ gallons per day

2,400 GPD

(NO CREDIT FOR PREVIOUS  
PLANS BECAUSE HAS  
BEEN VACANT FOR MULTIPLE  
YEARS)





- LOCATION PLAN -  
**FIFTH AVENUE TOWNHOMES**  
 City of Pittsburgh Allegheny County PA



SCALE: 1" = 2,000'  
 SOURCE: Pittsburgh East PA - USGS Quadrangle

**FAHRINGER, McCARTY, GREY, INC.**  
 LANDSCAPE ARCHITECTS AND ENGINEERS  
 1610 Golden Mile Highway, Monroeville, PA 15146-2010

JN 5060

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**SECTION G -  
PROPOSED WASTEWATER DISPOSAL FACILITIES  
ITEM 3: PLOT PLANS**





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**SECTION G –  
PROPOSED WASTEWATER DISPOSAL FACILITIES  
ITEM 7: PNDI SEARCH**

## 1. PROJECT INFORMATION

Project Name: Townhomes on Fifth  
Date of Review: 4/23/2018 03:23:04 PM  
Project Category: Development, New commercial/industrial development (store, gas station, factory)  
Project Area: 0.41 acres  
County(s): Allegheny  
Township/Municipality(s): PITTSBURGH  
ZIP Code: 15232  
Quadrangle Name(s): PITTSBURGH EAST  
Watersheds HUC 8: Lower Allegheny  
Watersheds HUC 12: Allegheny River-Ohio River  
Decimal Degrees: 40.448149, -79.937430  
Degrees Minutes Seconds: 40° 26' 53.3360" N, 79° 56' 14.7478" W

## 2. SEARCH RESULTS

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

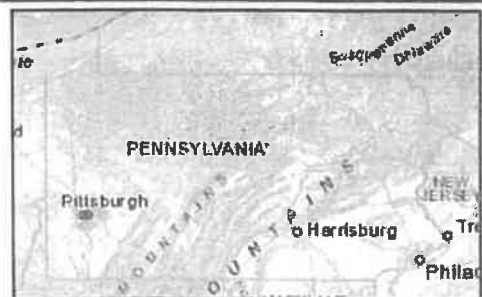
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

## Townhomes on Fifth

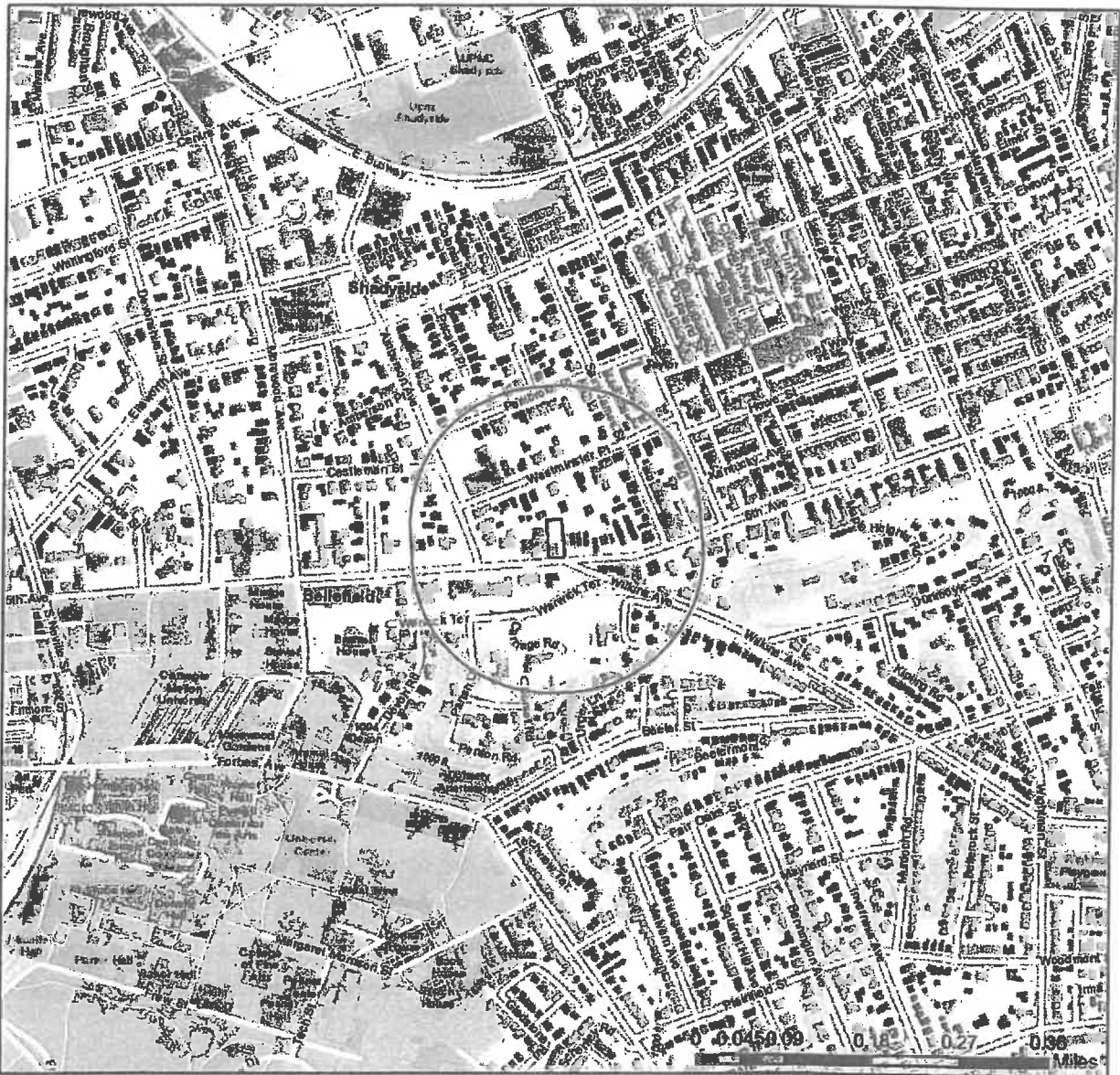


- Project Boundary
- Buffered Project Boundary

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, © OpenStreetMap contributors, and the GIS user community



### Townhomes on Fifth



- 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:** The project will affect 1 to 39 acres of forests, woodlots and trees.

**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:

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

#### 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.

#### 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: DANIEL GRAPER  
Company/Business Name: FAHRINGER McCARTY GREY INC.  
Address: 1610 GOLDEN MILE HWY  
City, State, Zip: MONROEVILLE PA 15146  
Phone: (724) 327-0599 Fax: (724) 733-4577  
Email: DGRAPER@FMGINC.US

## 8. CERTIFICATION

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

  
applicant/project proponent signature

4/23/2018  
date



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**SECTION H -  
ALTERNATIVE ANALYSIS**

# **PROJECT ALTERNATIVES ANALYSIS**

## **For the FIFTH AVENUE TOWNHOMES**

**Applicant: Brian J. Almeter, Fahringer, McCarty, Grey Inc.**

**Agent for: Property Owner, RRG 5135, LLC and Eos Studio Arc, LLC**

### **Sewage Conveyance and Treatment Alternatives:**

The proposed 6 individual condominium dwelling units are proposed to be serviced by connecting to the existing public system located in the adjacent public street. This private service line will be gravity flow to the main publically owned lines. The proposed private lateral location was chosen to provide direct discharge from the building into this existing public system.



The adjacent land uses include existing multi-story dwelling units, and single family residences that are typical of a mixed urban environment. The property is proposed to be developed in its entirety with no additional future development occurring on adjacent tracts. This project is considered an "urban" redevelopment.

This project is a private development. The adjacent public systems are adequately sized to accept the flows from the 6 dwelling units as well as the existing uses surrounding this development. Improvements to the existing public system are not necessary or proposed at this time.

This method of sewage disposal is consistent with PWSA's standards. The existing building or site does not allow for on-lot sewage treatment or an individual treatment facilities. In addition, the soil conditions are not conducive to perk sewer from the individual dwelling units. No other sewage conveyance or treatment options are available for this urban in-fill residential project.

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**SECTION J –  
CHAPTER 94 –  
CONSISTENCY DETERMINATION**

**To:** Barry King   
**From:** Matt Smuts   
**Date:** January 18, 2019  
**Subject:** **DEP Sewage Planning Module – Section J. Chapter 94  
Consistency Determination, Calculation Review for:  
Fifth Avenue Townhomes**

Upon review of the submittal by Fahringer, McCarty, Grey, Inc. for the above referenced development I have determined that the projected flows are less than the design capacity of the PWSA sewers and, therefore the sewers should have adequate capacity for the proposed development.

DEP Sewage Planning Module

Section J. Chapter 94 Consistency Determination

Date: 1/18/2019

Calculation Review

By: M. Smuts

PROJECT NAME: Fifth Avenue Townhomes

PROJECT FLOW: 2,400 gpd

Formulas

Manning Equation:

$$Q = (1.49/n) * A * R^{(2/3)} * S^{(1/2)}$$

$$\Theta = 2 \arccos((r-d/r))$$

$$A = r^2(\Theta - \sin \Theta)/2$$

$$P_w = r * \Theta$$

$$R_H = A/P_w$$

Q, flow, cfs

n, roughness coefficient

S, slope from PWSA records (ft/ft)

D, sewer diameter, ft

d, depth of flow measured, ft, (SUBMITTED WITH REPORT)

Θ, central angle, radians

A, cross sectional area, ft<sup>2</sup>

P<sub>w</sub>, wetted perimeter, ft

R<sub>H</sub>, hydraulic radius, ft

SEWER PROPERTIES

η = 0.012

S = 0.01

D = 1.25 ft

Material: VCP

Peaking Factor

3.5 combined sewers

3 sanitary sewers

DESIGN PEAK FLOW ( FLOWING FULL)

Q <sub>FULL</sub> =	4,527,063	gpd
D =	1.250	ft
r =	0.625	ft
Θ =	6.28	rad
A =	1.23	ft <sup>2</sup>
P <sub>w</sub> =	3.93	ft
R <sub>H</sub> =	0.313	ft
Q =	7.02	cfs

AVERAGE DESIGN FLOW

(Average flow is design peak flow divided by peaking factor)

Q<sub>FULL</sub>, avg = 1,293,447 gpd

PRESENT AVERAGE FLOW

Q<sub>AVG</sub> = 453,761 gpd

PRESENT PEAK FLOW

(Peak flow is peaking factor times the present average flow)

d=	0.267	ft	*Flow Depth	Q <sub>peak</sub> =	1,588,164	gpd
r =	0.630	ft				
Θ=	1.91	rad				
A=	0.1924	ft^2				
P <sub>w</sub> =	1.205	ft				
R <sub>H</sub> =	0.1597	ft				
Q=	0.703	cfs				
<b>PROJECTED AVERAGE FLOW</b>						
Q <sub>AVG, PROJECTED</sub> =			Qpeak projected /peaking factor	<b>PROJECTED PEAK FLOW</b>		
Q <sub>AVG, PROJECTED</sub> =			477,169	Q <sub>PK, PROJECTED</sub> = (Present Peak flow + Project Flow) * 1.05		
Q <sub>AVG, PROJECTED</sub> =			477,169	Q <sub>PEAK, PROJECTED</sub> =		
Q <sub>AVG, PROJECTED</sub> =			477,169	1,670,092		
<b>VALUES BY ENGINEER</b>						
Q <sub>full</sub>	4,534,053		% DIFFERENCE	0%		
Q <sub>full, avg</sub>	1,293,447			0%	*Design and/or Permitted Capacity Peak in gpd	
Q <sub>avg</sub>	453,831			0%		
Q <sub>peak</sub>	1,588,164			0%		
Q <sub>avg,proj</sub>	477,169			0%		
Q <sub>peak, proj</sub>	1,670,092			0%	Projected peak flow, not peak design flow	



**FAHRINGER, McCARTY, GREY, INC.**  
**LANDSCAPE ARCHITECTS & CIVIL ENGINEERS**

Established 1963

1610 Golden Mile Highway  
Monroeville, Pennsylvania 15146

Phone (724) 327-0599  
Fax (724) 733-4577

E-mail: design1@fmginc.us  
Web Site: www.fmginc.us

September 25, 2018

**RECEIVED**  
SEP 27 2018

BY: RUSA MC  
DEP fm

Ms. Michelle Carney  
Pittsburgh Water and Sewer Authority  
Penn Liberty Place Plaza I  
1200 Penn Avenue  
Pittsburgh, PA 15222

Re: Dry Flow Calculations  
Sewage Facilities Planning Module  
Fifth Avenue Townhomes  
5135 5<sup>th</sup> Avenue, Pittsburgh PA 15232

Dear Michelle:

We are writing as per your response letter dated May 31, 2018 regarding the above reference project; specifically related to the Dry Weather Capacity of the existing system in 5<sup>th</sup> Avenue. It is our understanding that this analysis is required prior to PWSA "sign-off" on Section 3B in the Sewage Facilities Planning Module as requested by PA DEP in their review of the submitted documents.

That being said, we have determined the dry weather flow for the sewer conveyance system between MH 052L012 (downstream) to MH052L014 (at subject property) and MH 052H073 (upstream end of run) adjacent to and along 5th Avenue . In order to determine the flow, we have referenced Manning's Formula for flow in a conduit, which was slightly modified with basic trigonometry to calculate the flow for a partially filled conduit. With a known dry weather flow depth of 1.5 inches as noted by Insight Pipe on July 31, 2018 (by CCTV) and the pipe being a 15 inch diameter terra cotta pipe with a slope of 1.00%, the dry weather flow was calculated to be 0.702 cfs. It was previously estimated that the flow from the development will be 2,400 gallons per day, or approximately 0.004 cfs. At full flow, the capacity of the pipe was calculated to be 7.02 cfs.

To meet the requirement set forth by PA DEP and PWSA, 350% of the dry weather flow (or 2.457 cfs) plus the flow from the development (0.004 cfs) has to be less than the capacity of the pipe (7.02 cfs). Based on these calculations, it was concluded that the 15 inch diameter pipe satisfactorily meets this requirement. Please see the attached summary table for your review and consideration.

Therefore, we have attached the original Sewage Facilities Planning Module – Component 3 for this project. Should you have any questions, please feel free to call this office.

Sincerely,

Brian J. Almeter

BJA/bja  
Enclosure

**SECTION J, Part 2**

**a. Design and/or Permitted Capacity (gpd)**

Peak Design Flow Calculation:

Using Manning's Equation, Peak Design Flow =

$4.527063$   
 $7.017 \text{ cfs} = \del{4534853} \text{ gpd}$

Existing Length of Pipe along 5th Avenue that proposed flow will be conveyed to:

Pipe Diameter = 15-inch  
Pipe Material = Clay  
"n" coefficient = 0.012

Slope = 0.0100 ft/ft  
Area = 1.227 sf  
Perimeter = 3.927 ft  
Hydraulic Radius = 0.313 ft

Average Design Flow Calculation:

Peak Design Flow divided by 3.5 for Sanitary Sewers

$3.5 \text{ FM COMBINED SEWERS}$   
 $\frac{4534853 \text{ gpd}}{3.5} = \del{1511018} \text{ gpd} \quad 1,298,447 \text{ gpd}$

**b. Present Flows (gpd)**

Average Present Flow Calculation:

Present flow of 3.20-inch

**Explanation:** Flow Depth based on Insight Pipe CCTV video noting 10% flow depth at Manhole 52-L-014 on July 31, 2018.

Using Manning's Equation, Average Present Design Flow =

$0.702 \text{ cfs} = 453831 \text{ gpd}$

Existing Length of Pipe along 5th Avenue that proposed flow will be conveyed to:

Pipe Diameter = 15-inch  
Pipe Material = Clay  
"n" coefficient = 0.012

Slope = 0.0100 ft/ft  
Area =  $D^2/8 (\pi \theta / 180 - \sin \theta)$   
Area = 0.192 sf  
Perimeter =  $(\pi D \theta)/360$   
Perimeter = 1.201 ft  
D = 1.25 feet  
 $\theta = 110.10$   
Hydraulic Radius = 0.160 ft

Peak Present Flow Calculation:

Peak Present Flow is 3.0 times the Average Measured Flow for Sanitary Sewers

$= 453831 \text{ gpd} \times 3.0 = \del{1361492} \text{ gpd} \quad 1,588,164 \text{ gpd}$   
 $3.5$





c. Projected Flow in 5 years (gpd) (2 years for Pump Stations)

<sup>PEAK</sup>  
The projected flow should represent a 5% increase from the sum of the present flow and the project flow due to increased density (per PWSA Procedures Manual for Developers Version 6 - Issued 03/14)

Average Projected Flow Calculation: = PEAK PROJECTED FLOW / 3.5 PEAKING FACTOR

Average Present Flow: = 453831 gpd  
Project Flow: = 2400 gpd  
Sum of Present and Project Flow: = 456231 gpd X 5% = 22812 gpd  
= 479042 gpd 477.169 gpd

Peak Projected Flow Calculation: = (PRESENT PEAK FLOW + PROJECT FLOW) x 1.05

Peak Present Flow: = 1361492 gpd  
Project Flow: = 2400 gpd  
Sum of Present and Project Flow: = 1369912 gpd X 5% = 68496 gpd  
= 4438407 gpd 1,670,092 gpd

Manning's Equation for:  
CIRCULAR PIPE

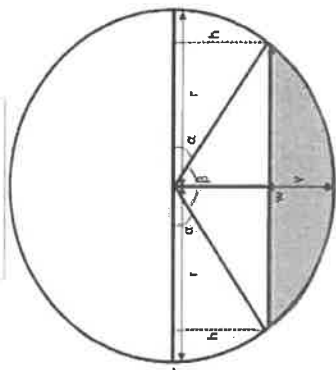
FLOW	Metric or English (M/ft)	c	n	Radius, r (ft)	Slope, S (ft/ft)	Depth, y (ft)	Above, Below, or Equal to Midheight?	Height Above or Below Midheight, h (ft)	$\alpha$ (degrees)	$\beta$ (degrees)	Width, w (ft)	Area, A (ft <sup>2</sup> )	Wetted Perimeter, P (ft)	Hydraulic Radius, R (ft)	Velocity, V (ft/s)	Flow, Q (cfs)	350% Low Flow, Q (cfs)	Flow from Development (gpd)	Flow from Development (cfs)	15" Dia. @ 1.00% Pipe Capacity (cfs)	Sufficient?
LOW FLOW		1.49	0.012	0.625	0.010	0.27	BELOW	0.358	35	110.109	1.025	0.192	1.201	0.160	3.656	0.702	2.456	2400	0.004	7.037	OK
FULL FLOW		1.49	0.012	0.625	0.010	1.25	ABOVE	0.625	90	0.000	0.000	1.227	3.927	0.313	5.718	7.017					

**Pipe Dimensions**  
15" dia  
1.3" dia  
8" rad  
.63" rad

**Low Flow Depth**  
3.25'  
.267'

Explanation: Low Flow Depth based on insight Pipe CCTV video noting 10% flow depth at Manhole 524-014 on July 31, 2018.

**LOW FLOW**



Manning's Equation for a Partially Filled Pipe  
Based Off of Manning's Formula:

$$V = \frac{C}{n} R^{2/3} S^{1/2}$$

$$Q = VA$$

$$\text{thus } Q = \frac{C}{n} A R^{2/3} S^{1/2}$$

where

- r = Radius
- A = Area of Pipe
- P = Wetted Perimeter
- R = Hydraulic Radius
- S = Slope of Pipe
- C = Conversion Factor
- n = Manning's Roughness Coefficient

Pipe Filled Below Midheight - Manning's Equation Alternatives:  
(Please refer to LOW FLOW Diagram above)

but A, P, and thus R change, based off of the smaller flow arc

now A = Area of Pipe

P = Wetted Perimeter

where h = Depth of Flow

alpha = Outer Angle

beta = Central Angle

w = Surface Width of Flow

Explanation: Area of the pipe is equal to the area of the inner arc less the area of the inner triangle

Explanation: Wetted perimeter is equal to the perimeter of the arc

Explanation: Outer angle found by trigonometry and then converted from radians to degrees

$$A = \pi r^2 \frac{\beta}{360} - \frac{1}{2} w h$$

$$P = 2\pi r \frac{\beta}{360}$$

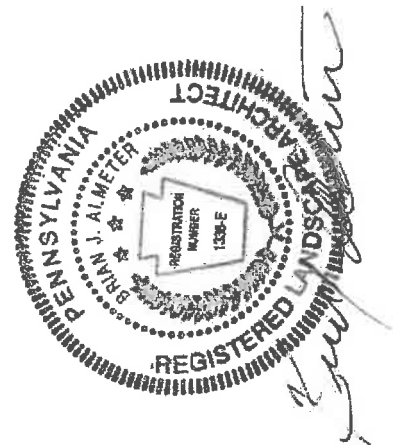
Known

$$h = r - y$$

$$\alpha = \frac{1}{r} \arcsin\left(\frac{h}{r}\right) \cdot 180^\circ$$

$$\beta = 180^\circ - (2\alpha)$$

$$w = 2r\sqrt{1 - \frac{h^2}{r^2}}$$





Pittsburgh  
Water & Sewer  
Authority

May 31, 2018

Mr. Brian J. Almeter  
Fahringer, McCarty, Grey, Inc.  
1610 Golden Mile Highway  
Monroeville, PA 15146

**RE: Fifth Avenue Townhomes  
5135 5<sup>th</sup> Avenue - 15232  
PA DEP Sewage Facilities Planning Module**

Dear Mr. Almeter:

The Pittsburgh Water and Sewer Authority (PWSA) is in receipt of your submission of the DEP Sewage Facilities Planning Module Component 3. PWSA is returning the package due to it being incomplete.

The DEP Component 3 package must be submitted with all information completed including Section J, Item #2 Flow Table, "Collection Flow Data". You must submit the Dry Weather Calculations sealed by a PA Professional Engineer.

Also before submission of the DEP Component 3, you must complete the PWSA Water and Sewer Use Application, Project Narrative and Flow Calculations for our review and approval.

Refer to the PWSA Procedure Manual for additional information ([www.pgh2o.com](http://www.pgh2o.com)).

If you have any questions, please feel free to contact me at (412) 255-0841.

Sincerely,

Michelle E. Carney  
Engineering Technician III

MEC

Attachment

cc: Joseph Casey – RRG 5135, LLC  
Thomas Flanagan – PA DEP  
Michael Lichte - ALCOSAN  
PWSA File

Penn Liberty Plaza I  
1200 Penn Avenue  
Pittsburgh PA 15222

info@pgh2o.com  
T 412.255.2423  
F 412.255.2475

[www.pgh2o.com](http://www.pgh2o.com)  
@pgh2o

Customer Service /  
Emergencies:  
412.255.2423



Pittsburgh  
Water & Sewer  
Authority

January 8, 2018

Mr. Sean Naylor  
Red Swing Group  
One Monroeville Center  
3824 Northern Pike, Suite 800  
Monroeville, PA 15146

**RE: Water and Sewer Availability  
PGH Developers  
5127-5137 5<sup>th</sup> Avenue - 15232**

Dear Mr. Naylor:

In response to your inquiry on 1/2/2018 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) 255-0841. Thank you.

Sincerely,

  
Michelle E. Carney  
Engineering Technician III

MEC

cc: PWSA File

Penn Liberty Plaza I  
1200 Penn Avenue  
Pittsburgh PA 15222

info@pgh2o.com  
T 412.255.2423  
F 412.255.2475

[www.pgh2o.com](http://www.pgh2o.com)  
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Emergencies:  
412.255.2423



# 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.

<b>Information to be submitted by the Applicant:</b>			
Property Owner Name:	PGH Developers		
Address of Property:	5127-5137 5th Avenue, Pittsburgh, PA 15232		526-133
Proposed Use of Site:	Six-unit, attached, single family building project Residential development		
Closest street intersection to the property:	5Th Avenue & Wilkins Avenue		
Requestor Name:	Sean Naylor- Red Swing Group	Date of Request:	01/02/2018
Requestor Address:	One Monroeville Center 3824 Northern Pike, Suite 800, Monroeville, PA 15146		
Requestor Phone Number:	(724) 325-1215		

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@pghpa.com)

**RECEIVED**  
JAN 08 2018  
*RUSA MC*

<b>PWSA Use Only:</b>	
PWSA Water Service Available: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Size/Location: 16" x 8" 5th Avenue
PWSA Sewer Service Available: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sewer Size/Location: 15" x 10" 5th Avenue
Applicant must contact separate agency for water service: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Name of separate agency:	N/A
PWSA Approval Authority: Signature and Date	<i>Michelle Carney</i> 1-8-2018
Name (printed):	Michelle Carney
Title:	Engineering Tech 3

**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.

# 5127-5137 5th Avenue



## 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 PG&A 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 a warranty of responsibility for any construction or installation made on the basis of such information. PG&A and PG&A assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are explicitly set forth in a duly recorded written agreement, and such agreement expressly provides that responsibility therefore is assumed by the City or the PG&A.

Date: 1/8/2019

# 5127-5137 5th Avenue



## Legend

● Meter	⊙ Water Manhole	W Outfall
⊠ Pump	— Rising Main	⊕ End Cap
⊙ Hydrant	— Supply Main	⊠ Sewer Pump Station
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⊙ Coupling	⊙ Junction	→ Sewer Force Main
⊙ Wash Out	⊙ Inlet	→ Private Sewer
	⊙ Private Inlet	→ Undefined Sewer

0 115 230 Feet

**PGH<sub>2</sub>O**

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 construction or interpretations made on the basis of such information. CDP and PWSA assume no responsibility for any omissions or representations made by the agents or employees unless such understanding or representations are expressly set forth in a City authorized written document, and such document expressly provides that responsibility is assumed by the City or the PWSA.

Date: 1/8/2018

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**CONSISTENCY COMPONENTS**

**COMPONENT 4A – MUNICIPALITY PLANNING AGENCY REVIEW**

**COMPONENT 4C – COUNTY HEALTH AGENCY REVIEW**





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

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  
5135 Fifth Avenue

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

1. Date plan received by municipal planning agency. April 24, 2018
2. Date review completed by agency. May 1, 2018

**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, et seq.)?                       |
| <input checked="" type="checkbox"/> | <input 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 type="checkbox"/>            | <input checked="" type="checkbox"/> | 9. Is this proposal consistent with the ordinance?<br>If no, describe the inconsistencies <u>in review</u>                                |
| <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 type="checkbox"/>            | <input checked="" 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 type="checkbox"/>            | <input checked="" type="checkbox"/> | 13. Is this proposal consistent with the ordinance?<br>If no, describe the inconsistencies <u>in review</u>  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 14. Is this plan consistent with the municipal Act 537 Official Sewage Facilities Plan?<br>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?<br>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: Andrew Dush

Title: Assistant Director

Signature: Andrew Dush

Date: May 1, 2018

Name of Municipal Planning Agency: City of Pittsburgh, Dept of City Planning

Address: 200 Ross St 4th Floor Pittsburgh PA 15219

Telephone Number: 412-255-0100

**SECTION D: ADDITIONAL COMMENTS (See Section B 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.

COUNTY OF



ALLEGHENY

RICH FITZGERALD  
COUNTY EXECUTIVE

February 13, 2019

Brian J. Almeter  
Fahringer, McCarty, Grey, Inc.  
1610 Golden Mile Highway  
Monroeville, PA 15146

RE: SEWAGE FACILITIES PLANNING MODULE, FIFTH AVENUE TOWNHOMES, CITY OF PITTSBURGH

Dear Mr. Almeter:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development located on Fifth Avenue. This Planning Module Component was received on May 14, 2018. The project proposes the following:

Project Description:	6 residential townhomes
Sewage Flow:	2,400 GPD
Conveyance:	PWSA collection system to POC
Sewer's Owner:	Pittsburgh Water and Sewer Authority
Name of Sewage Treatment Plant:	ALCOSAN Sewage Treatment Plant

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. 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, please contact 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 412-578-8388.

Sincerely,

Michael Scheer  
Environmental Health Administrator II  
Water Pollution Control & Solid Waste Management

Enclosure

cc: Thomas Flanagan, PA Department of Environmental Protection w/attachment  
Ivo Miller, ACHD w/attachment



KAREN HACKER, MD, MPH, DIRECTOR  
ALLEGHENY COUNTY HEALTH DEPARTMENT

WATER POLLUTION CONTROL & SOLID WASTE MANAGEMENT  
3901 PENN AVENUE • BUILDING 5 • PITTSBURGH, PA 15224-1318  
PHONE: 412.578.8040 • FAX: 412.578.8053 • WWW.ACHD.NET





COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

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  
 Fifth Ave. Townhomes

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

1. Date plan received by county or joint-county health department. May 14, 2018  
 Agency name Allegheny County Health Department (ACHD)
2. Date review completed by agency February 11, 2019

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

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| Yes                                 | No                                  |  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?<br>If no, what are the inconsistencies? _____  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 2. Are there any waste water disposal needs in the area adjacent to the new land development that should be considered by the municipality?<br>If yes, describe _____  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 3. Is there any known groundwater degradation in the area of the proposed subdivision?<br>If yes, describe _____   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 4. The county or joint county health department recommendation concerning this proposed plan is as follows: <u>ACHD recommends approval. See attached letter.</u>  |
|                                     |                                     | 5. Name, title and signature of person completing this section:<br>Name: <u>Michael Scheer</u><br>Title: <u>Environmental Health Administrator II</u><br>Signature: <u></u><br>Date: <u>February 13, 2019</u><br>Name of County Health Department: <u>ACHD</u><br>Address: <u>3901 Penn Avenue, Building #5, Pittsburgh PA 15224-1318</u><br>Telephone Number: <u>412-578-8388</u> |

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

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

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