



GATEWAY

On Call. On Time. On Target.

C-39236-0002

August 2020

A Safe Place to Stay

DEP Code No. 02001-20-106

326 Third Avenue, 1st Ward, City of Pittsburgh
Allegheny County, Pennsylvania

SUBMITTED BY

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SEWAGE FACILITIES PLANNING MODULE



A FULL-SERVICE CIVIL ENGINEERING FIRM

EXHIBITS

- EXHIBIT A. **Copy of DEP Planning Module Component Letter**
- EXHIBIT B. **Sewage Facilities Planning Module – Component 3 – Sewage Collection and Treatment Facilities**
- EXHIBIT C. **Sewage Facilities Planning Module – Component 4A – Municipal Planning Agency Review**
- EXHIBIT D. **Sewage Facilities Planning Module – Component 4C – County or Joint Health Department Review**
- EXHIBIT E. **Project Narrative and 3RWW Sewage Flow Map**
- EXHIBIT F. **U.S.G.S. Site Location Map**
- EXHIBIT G. **Sewage Flow Calculations and PWSA Tap Allocation Letter**
- EXHIBIT H. **Water and Sewer Availability Letter**
- EXHIBIT I. **Alternatives Analysis**
- EXHIBIT J. **PNDI and Pennsylvania Game Commission Letter**
- EXHIBIT K. **Plot Plan**

EXHIBIT A.

Copy of DEP Planning Module Component Letter



Southwest Regional Office

March 7, 2020

Kelley R. Harrington
Gateway Engineers
100 McMorris Road
Pittsburgh, PA 15205

Ref: Planning Module for New Land Development
Act 537 Planning
329 Blvd of the Allies (A Safe Place to Stay)
5.8 EDU's or 2,304 GPD
DEP Code: 02001-20-106
City of Pittsburgh
Allegheny County

Kelley R. Harrington:

In response to your Mailer Application, enclosed are Module Forms required for the proposed development.

Please complete the enclosed Planning Module Components (PMCs) and submit them to Pittsburgh Water and Sewer Authority for review. A copy of this letter must be attached to the PMC's when submitted through the municipality to the Department. The Department must receive two copies.

The Department will make a completeness determination within ten (10) days of the receipt of this submission. A submission that is determined to be incomplete will be returned. The Department's review will not begin until the submittal is determined by the Department to be complete.

The Department has a fee schedule for Planning Module Component reviews. The fee schedule applies to any project that requires planning. Please include a check or money order for the fee due as indicated under Section R (Review Fee) of the Planning Module.

If you have any questions concerning this matter, please contact me at either (412) 442-4116 or bvalko@pa.gov.

Sincerely,

Brenden Valko

Brenden Valko
Sewage Planning Specialist
Clean Water Program

Enclosures

cc: City of Pittsburgh
PWSA
ALCOSAN
ACHD

EXHIBIT B.

**Sewage Facilities Planning Module –
Component 3 – Sewage Collection and Treatment Facilities**



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

Code No.

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

2. Brief Project Description

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

Municipality Name

County

City

Boro

Twp

Municipality Contact Individual - Last Name

First Name

MI

Suffix

Title

Additional Individual Last Name

First Name

MI

Suffix

Title

Municipality Mailing Address Line 1

Mailing Address Line 2

Address Last Line -- City

State

ZIP+4

Area Code + Phone + Ext.

FAX (optional)

Email (optional)

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Site Location Line 1

Site Location Line 2

Site Location Last Line -- City

State

ZIP+4

Latitude

Longitude

Detailed Written Directions to Site

Description of Site

Site Contact (Developer/Owner)

Last Name

First Name

MI

Suffix

Phone

Ext.

Site Contact Title

Site Contact Firm (if none, leave blank)

FAX

Email

Mailing Address Line 1

Mailing Address Line 2

Mailing Address Last Line -- City

State

ZIP+4

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

Last Name

First Name

MI

Suffix

Title

Consulting Firm Name

Mailing Address Line 1

Mailing Address Line 2

Address Last Line -- City

State

ZIP+4

Country

Email

Area Code + Phone

Ext.

Area Code + FAX

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: _____

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 10.2

Connections ¹ _____

Name of:

existing collection or conveyance system MH001M009 Boulevard of the Allies 20" VCP

owner The Pittsburgh Water & Sewer Authority (PWSA)

existing interceptor Monongahela (M-03)

owner The Allegheny County Sanitary Authority (ALCOSAN)

2. WASTEWATER TREATMENT FACILITY

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

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

- New facility Existing facility Upgrade of existing facility Expansion of existing facility

Name of existing facility ALCOSAN

NPDES Permit Number for existing facility PA 0025984

Clean Streams Law Permit Number _____

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

b. The following certification statement must be completed and signed by the wastewater treatment facility 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 SHAWN P. McWILLIAMS, EIT

Agent Signature [Signature] Date 06/18/2020

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

- Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at www.dep.state.pa.us, select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice (CRN), a return receipt for its submission to the PHMC and the PHMC review letter.

EXEMPT PER DEP FORM
0120-PM-PY0003A

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____.

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

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

- The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ pounds per year as determined by the wastewater treatment facility 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 4,078 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	795,893	2,785,626	646	2,262	1,902	6,657
Conveyance	—	14,600,000	1,310,000	1,720,000	1,327,200	1,741,300
Treatment	209,300,000	250,000,000	209,300,000	250,000,000	219,700,000	295,000,000

3. Collection and Conveyance Facilities

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

Agent Signature [Signature] Date June 3, 2020

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent SHAWN P. McWILLIAMS, EIT

Agent Signature Sh P McWill

Date 06/18/2020

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

- a. This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

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

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not impact that status.

- b. Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent SHAWN P. McWILLIAMS, EIT

Agent Signature Sh P McWill

Date 06/18/2020

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 _____ 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.

Joseph M. Galbraith, P.E.


Name (Print)

Project Manager

Title

The Gateway Engineers, Inc., 100 McMorris Road, Pittsburgh, PA 15205

Address



Signature

05-14-2020

Date

412-921-4030 x 125

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 \$ ^{510.00} 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.

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

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:

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

- 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:
- $$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$



June 18, 2020

Members of the Board

Corey O'Connor
Chair Person

Rep. Harry Readshaw

Sylvia C. Wilson

Shannah Tharp-Gilliam, Ph.D.

Jack Shea

John Weinstein

Brenda L. Smith

Arletta Scott Williams
Executive Director

William H. Inks, CPA
*Director
Finance & Administration*

Jan M. Oliver
*Director
Regional Conveyance*

Douglas A. Jackson, P.E.
*Director
Operations & Maintenance*

Kimberly N. Kennedy, P.E.
*Director
Engineering & Construction*

Michelle M. Buys, P.E.
*Director
Environmental Compliance*

Jeanne K. Clark
*Director
Governmental Affairs*

Joseph Vallarian
*Director
Communications*

Ms. Kelley R. Harrington, E.I.T.
Gateway Engineers
100 McMorris Road
Pittsburgh, PA 15205-9401

**Re: 329 Boulevard of the Allies (A Safe Place to Stay)
City of Pittsburgh – 1st Ward, Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure M-03-00**

Dear Ms. Harrington:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 1st Ward. The project will generate a peak flow of 4,078 gpd in the ALCOSAN Monongahela River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN M-03-00 Regulator Structure is approximately 16.6 MGD. The monitored peak dry weather flow is approximately 1.72 MGD. Sufficient dry weather capacity exists for this connection. However, the ALCOSAN Monongahela River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated by tributary communities during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

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

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Shawn P. McWilliams, EIT
Civil Engineer

Attachment

cc: Christina Dean (w/o attachment)
Dan Thornton (w/o attachment)
Michael Lichte (w/o attachment)
Barry King/ PWSA (w/o attachment)
Thomas Flanagan/ PADEP (w/o attachment)
Fred Fields/ ACHD (w/o attachment)

EXHIBIT C.

**Sewage Facilities Planning Module –
Component 4A – Sewage Collection and Treatment Facilities**



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:
02001-20-106

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

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

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

Project Name
A Safe Place to Stay

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

1. Date plan received by municipal planning agency July 21, 2020
2. Date review completed by agency August 4, 2020

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

SECTION C. AGENCY REVIEW (continued)

- | Yes | No | |
|-------------------------------------|-------------------------------------|--|
| <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 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?
If no, describe the inconsistencies
_____ |

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

Name: Martina Battistone

Title: Senior Environmental Planner

Signature: *Martina Wolf Battistone*

Date: August 4, 2020

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

Address 200 Ross Street 4th Floor Pittsburgh, PA 15219

Telephone Number: (412) 255-2516

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

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

The planning agency must complete this component within 60 days.

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

EXHIBIT D.

**Sewage Facilities Planning Module –
Component 4C – County or Joint Health Department Review**

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

June 23, 2020

Kelley R. Harrington, E.I.T.
The Gateway Engineers, Inc.
100 McMorris Road
Pittsburgh, PA 15205-9401

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
329 Boulevard of the Allies (A Safe Place to Stay), City of Pittsburgh**

Dear Ms. Harrington:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on June 22, 2020. The project proposes the following:

Project Description:	329 Boulevard of the Allies (A Safe Place to Stay). Proposing the renovation of an existing 8 - story building on a 0.085 acre lot (Lot 388 of Block 1-H) with basement used for storage purposes; office space for Renewal Inc. on floors 1, 2, 3, 4, 5, and 6; and rooming house on floors 7 and 8 which will provide temporary living space for A Safe Place to Stay program for recovering drug and alcohol addicts located in the City of Pittsburgh, Allegheny County.
Sewage Flow:	2,304 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water & Sewer Authority (PWSA) collection system to ALCOSAN POC M-03 to the Monongahela River interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN



DEBRA BOGEN, MD, 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.ALLEGHENYCOUNTY.US/HEALTHDEPARTMENT



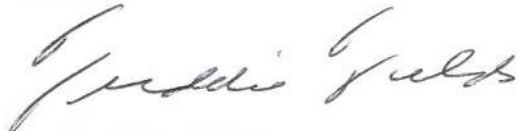
Mr. Kelley R. Harrington, E.I.T.
June 23, 2020
Page 2

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, Ivo Miller, Plumbing Program Manager at 412-578-8393.

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

Sincerely,



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

FF/cb
Enclosure

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

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.

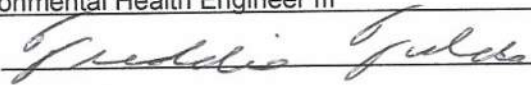
SECTION A. PROJECT NAME (See Section A of instructions)

Project Name
 329 Boulevard of the Allies (A Safe Place to Stay)

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

1. Date plan received by county or joint county health department June 22, 2020
 Agency name Allegheny County Health Department (ACHD)
2. Date review completed by agency June 23, 2020

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan? If no, what are the inconsistencies? _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Is there any known groundwater degradation in the area of this proposal? If yes, describe _____
<input 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:		
Name: <u>Freddie Fields</u>		
Title: <u>Environmental Health Engineer III</u>		
Signature: <u></u>		
Date: <u>June 23, 2020</u>		
Name of County Health Department: <u>ACHD</u>		
Address: <u>3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318</u>		
Telephone Number: <u>412-578-8046</u>		

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

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

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

EXHIBIT E.

Project Narrative and 3RWW Sewage Flow Map

Project Narrative

A Safe Place to Stay

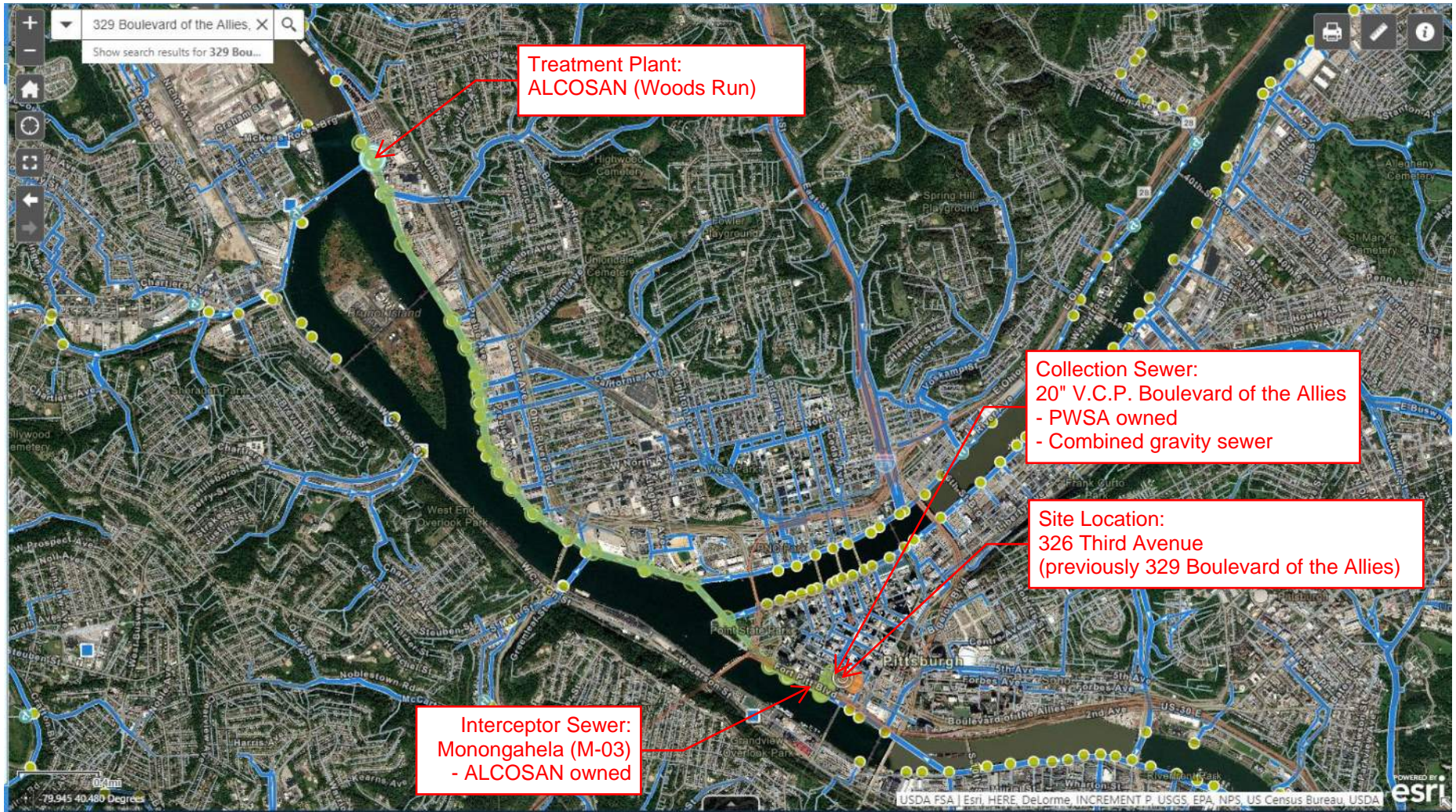
326 Third Avenue, 1st Ward, City of Pittsburgh

The proposed A Safe Place to Stay project site is located at 326 Third Avenue, previously known as 329 Boulevard of the Allies. The property is Lot 388 of Block 1-H in the 1st Ward of the City of Pittsburgh and is owned by Renewal Inc. This project involves the renovation of an existing 8-story building on a 0.085-acre lot. In its existing conditions, the building is comprised of a basement used for storage purposes; offices on floors 1, 2, 4 and 5; and single-family residential units on floors 3, 6, 7, and 8. In its proposed post-renovated conditions, the building will be comprised of a basement used for storage purposes; office space for Renewal Inc on floors 1, 2, 3, 4, 5, and 6; and a rooming house on floors 7 and 8 which will provide temporary living space for A Safe Place to Stay program for recovering drug and alcohol addicts.

The building will experience an increase in water consumption and sanitary flow due to its change in use. It is estimated that the proposed project will result in a peak sanitary flow of 4,078 GPD or 10.2 EDUs. The existing facility has an estimated peak sanitary flow of 1,774 GPD or 4.4 EDUs; therefore, the estimated net peak sanitary flow for the project is 2,304 GPD or 5.8 EDUs. Refer to the enclosed Sewage Calculations for a breakdown of the sanitary flow calculations.

All proposed storm and sanitary laterals will be separated on-site and will connect within 5-feet of the existing public 20" V.C.P. combination gravity sewer located in Boulevard of the Allies which is owned by PWSA. The 20" V.C.P. PWSA combination sewer flows to the Monongahela River Interceptor (M-03) and then to ALCOSAN's Woods Run treatment plant where it received final treatment. Refer to the enclosed Sewage Flow Path from 3RWW for a map of the project's sanitary effluent flow path.

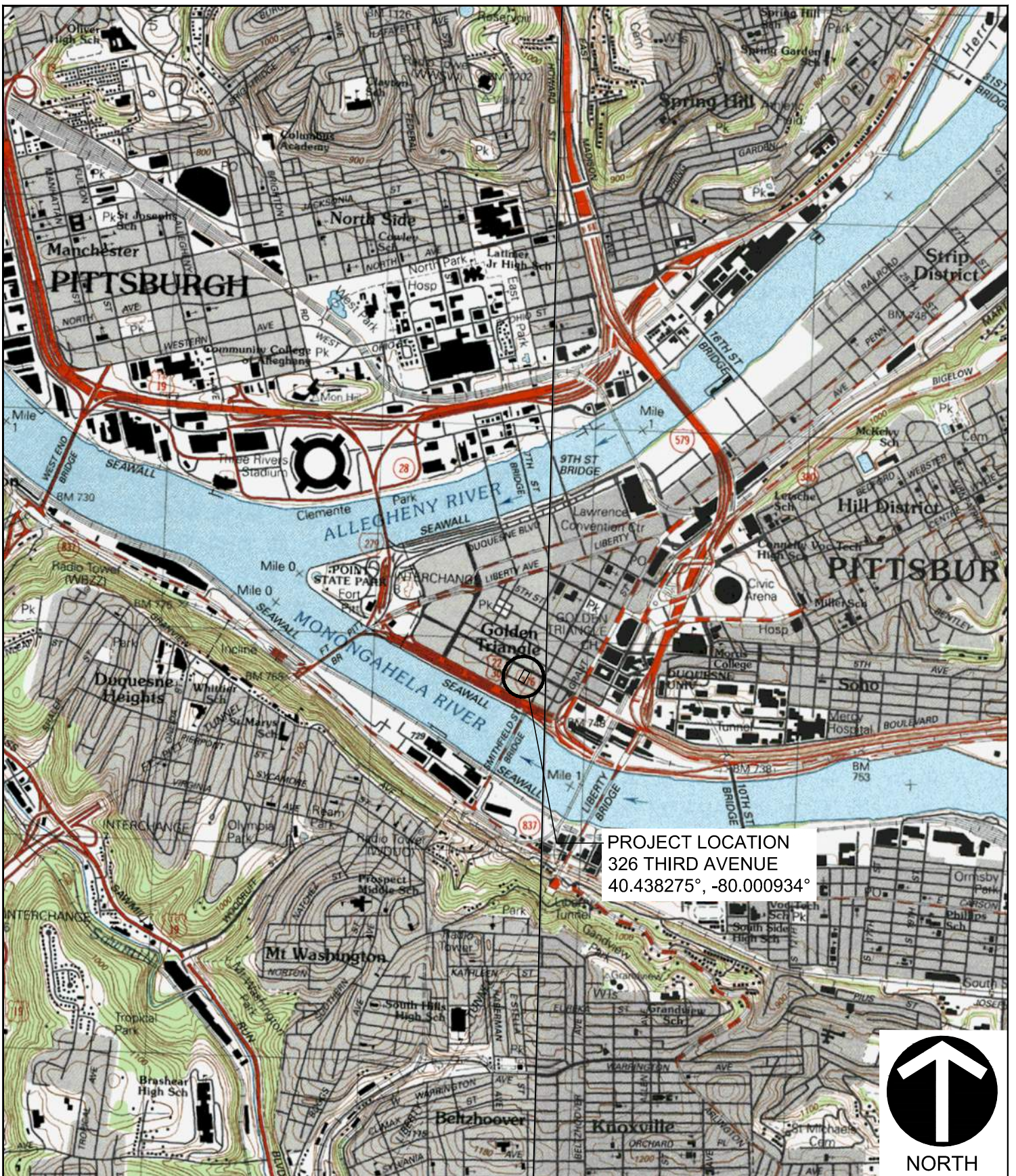
A Safe Place to Stay Sewage Flow Path



Source: 3RWW

EXHIBIT F.

U.S.G.S Site Location Map



PROJECT LOCATION
 326 THIRD AVENUE
 40.438275°, -80.000934°



SITE LOCATION MAP - USGS PITTSBURGH EAST AND WEST QUADRANGLE

SITE LOCATION MAP
 Project Number: C-39236-0002
 Drawing Scale: 1" = 200'
 Data Source: MARCH 2020
 Index Number: _____
 Drawn By: KKH
 Checked By: JMG
 Project Manager: JMG
USGS

A SAFE PLACE TO STAY
 326 THIRD AVENUE
 PITTSBURGH, PA 15222
 PREPARED FOR:
RENEWAL, INC.
 326 THIRD AVENUE
 PITTSBURGH, PA 15222

Date	No	REVISION RECORD

GATEWAY[®]
 The Gateway Engineers, Inc.
 Full-Service Civil Engineering & Surveying
 Pittsburgh, PA
 gatewayengineers.com 855-634-9284

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EXHIBIT G.

Sewage Flow Calculations and PWSA Tap Allocation Letter

Existing Water Use and Sewage Calculation – 326 Third Ave (previously 329 Blvd of the Allies)

The existing water use may be described by the following building usage, listed by floor and area of use. Sewage flows are based on PA Code Title 25 Chapter 73 Paragraph 73.17 and PWSA Table 2-1:

First Floor, Second Floor, Fourth Floor, Fifth Floor Sewage

Office Space – ~1,491 ft² per floor

Elevator/Stair – ~125 ft² per floor

[Similar to PA 73.17 type: Offices (per employee)]

- Existing usage unknown, 150 SF/person used to estimate occupancy

$$1 \text{ person}/150 \text{ SF} \times 1,491 \text{ sq. ft} \times 4 \text{ Floors} \times 10 \text{ gpd}/\text{\#People} = \mathbf{398 \text{ gpd}}$$

Third Floor Sewage

One Bedroom Residential – ~1,491 ft² per floor

Elevator/Stair – ~125 ft² per floor

[Similar to PA 73.17 type: Single family residences (per employee)]

$$400 \text{ gpd (1 BR)} = \mathbf{400 \text{ gpd}}$$

Sixth Floor, Seventh Floor, Eighth Floor Sewage

Three Bedroom Residential – ~1,491 ft² per floor

Elevator/Stair – ~125 ft² per floor

[Similar to PA 73.17 type: Single family residences (per employee)]

$$400 \text{ gpd (3 BR)} = \mathbf{400 \text{ gpd}}$$

HVAC Sewage

HVAC Condensate Flows

$$40 \text{ tons} \times .02 \text{ gpm/ton} \times 60 \text{ min./hr.} \times 12 \text{ hours/day} = \underline{576 \text{ gpd}}$$

$$\mathbf{\text{Peak Existing Sewage Calculation Total} = \underline{\underline{1,774 \text{ gpd}}}}$$

Proposed Water Use and Sewage Calculation – 326 Third Ave (previously 329 Blvd of the Allies)

The proposed water use may be described by the following building usage, listed by floor and area of use. Sewage flows are based on PA Code Title 25 Chapter 73 Paragraph 73.17 and PWSA Table 2-1:

First Floor, Second Floor, Third Floor, Fourth Floor, Fifth Floor, Sixth Floor Sewage

Office Space – ~1,491 ft² per floor

Elevator/Stair – ~125 ft² per floor

[Similar to PA 73.17 type: Offices (per employee)]

- Proposed space includes 26 Offices/workstations on Floors 1-6; **however, employee count is figured per PWSA direction.**

$$1 \text{ person}/150 \text{ SF} \times 1,491 \text{ sq. ft} \times 6 \text{ Floors} \times 10 \text{ gpd}/\text{\#People} = 596 \text{ gpd}$$

Seventh Floor Sewage

Rooming House – ~1,491 ft²

Elevator/Stair – ~125 ft²

[Similar to PA 73.17 type: Rooming house (per unit)]

- Seventh floor includes 7 Rooming units and 1 manned security station.

$$(7 \text{ units} * 200 \text{ gpd}) + 1 \text{ person} \times 10 \text{ gpd}/\text{person} = 1,410 \text{ gpd}$$

Eighth Floor Sewage

Rooming House – ~1,491 ft²

Elevator/Stair – ~125 ft²

[Similar to PA 73.17 type: Rooming house (per unit)]

- Eighth floor includes 7 Rooming units and 1 manned security station.

$$(7 \text{ units} * 200 \text{ gpd}) + 1 \text{ person} \times 10 \text{ gpd}/\text{person} = 1,410 \text{ gpd}$$

HVAC Sewage

HVAC Condensate Flows

$$46 \text{ tons} \times .02 \text{ gpm}/\text{ton} \times 60 \text{ min.}/\text{hr.} \times 12 \text{ hours}/\text{day} = \underline{662 \text{ gpd}}$$

$$\text{Peak Proposed Sewage Calculation Total} = \underline{\underline{4,078 \text{ gpd}}}$$

PROPOSED NET SEWAGE FLOW = PROPOSED PROJECT PEAK FLOW - SITE EXISTING PEAK FLOW

$$\text{PROPOSED NET SEWAGE FLOW} = 4,078 \text{ gpd} - 1,774 \text{ gpd} = \underline{\underline{2,304 \text{ gpd}}}$$

June 3, 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: 329 Boulevard of the Allies
Project Address: 329 Boulevard of the Allies
Pittsburgh, PA 15222
Proposed Flow, gpd: 2,304
EDU's, 400gpd/EDU: 5.76

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,



Shannon Connell
Engineering Co-Op

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Robert Herring, P.E. – PWSA (via email)
The Gateway Engineers, Inc. – Applicant (via email)
Regis Ryan – DEP (via email)
eBuilder – Filing System (via email)

EXHIBIT H.

Water and Sewer Availability Letter



WATER AND SEWER AVAILABILITY LETTER REQUEST

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.

Please email the completed form to: permitinfo@pgh2o.com

Information to be submitted by the Applicant:	
Property Owner Name:	Renewal Inc.
Address of Property:	329 Boulevard of the Allies
Proposed Use of Site:	Interior renovations to an existing building to be used for the Safe Place to Stay program which provides temporary housing for drug addicts
Closest street intersection to the property:	Boulevard of the Allies and Smithfield Street
Requester Information	
Name:	Kelley Harrington (The Gateway Engineers, Inc) Date of Request: 03/13/2020
Address:	100 McMorris Road, Pittsburgh, PA 15205
Phone Number:	412-409-2302
Email Address:	kharrington@gatewayengineers.com
Preferred Method of Delivery:	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail
PWSA Use Only:	
PWSA Water Service Available	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Size / Location: 6" 3rd Ave, 6" Blvd of the Allies
PWSA Sewer Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Size / Location: 20" 3rd Ave, 20" Blvd of the Allies
Applicant must contact separate agency for water and/or sewer service:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Name of separate agency:	_____
PWSA Approval:	Signature and Date <i>Wendy M. Dean</i> 3-17-2020
	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.

March 17, 2020

Kelley Harrington
Gateway Engineers
100 McMorris Road
Pittsburgh, PA 15205

RE: Water and Sewer Availability
329 Boulevard of the Allies

Dear Ms. Harrington:

In response to your inquiry on 3/13/2020 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.

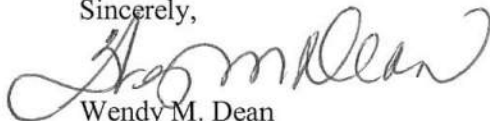
Please note that the Authority in no way guarantees that the available lines have the capacity or pressure adequate for your project's needs. It is the responsibility of the project developer, design consultant, and/or architects to determine, at their expense, the adequacy of the existing water system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

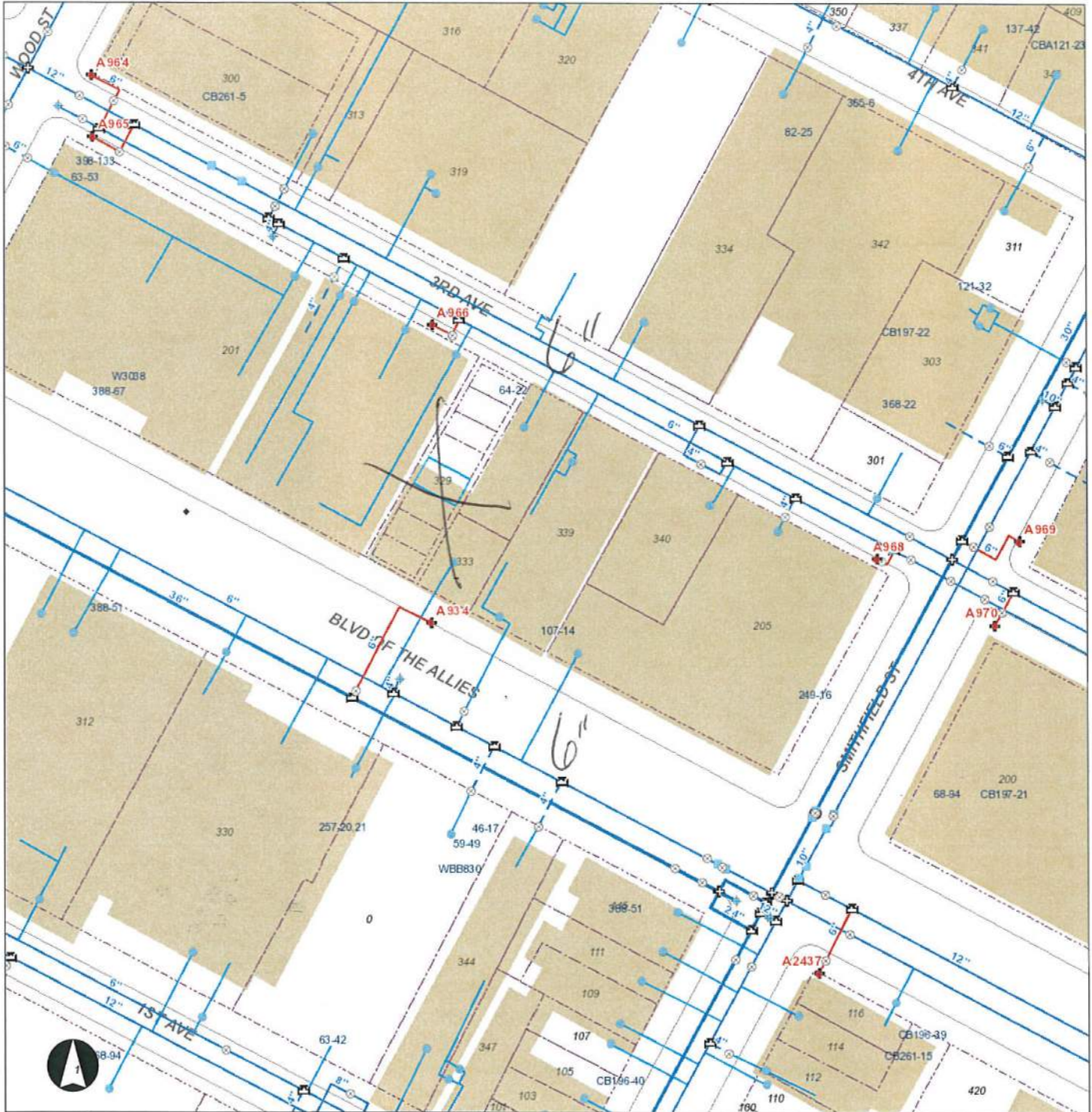
Sincerely,



Wendy M. Dean
Engineering Tech II

cc: PWSA File

329 Blvd of the Allies - Water



Legend

WATER

- Meter
- Curb Box
- Water System Pump
- Hydrant
- System Valve
- Dividing Pressure Valve
- Coupling
- Tee
- Cross
- Reducer
- End Cap
- Wash Out

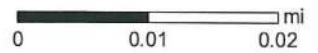
- Pressure Monitoring Station
- Water Manhole

- Rising Main
- Supply Main
- Transmission Main
- Distribution Main
- Hydrant Branch
- Private Main
- Water Service Line

SEWER

- Manhole
- Junction
- Inlet

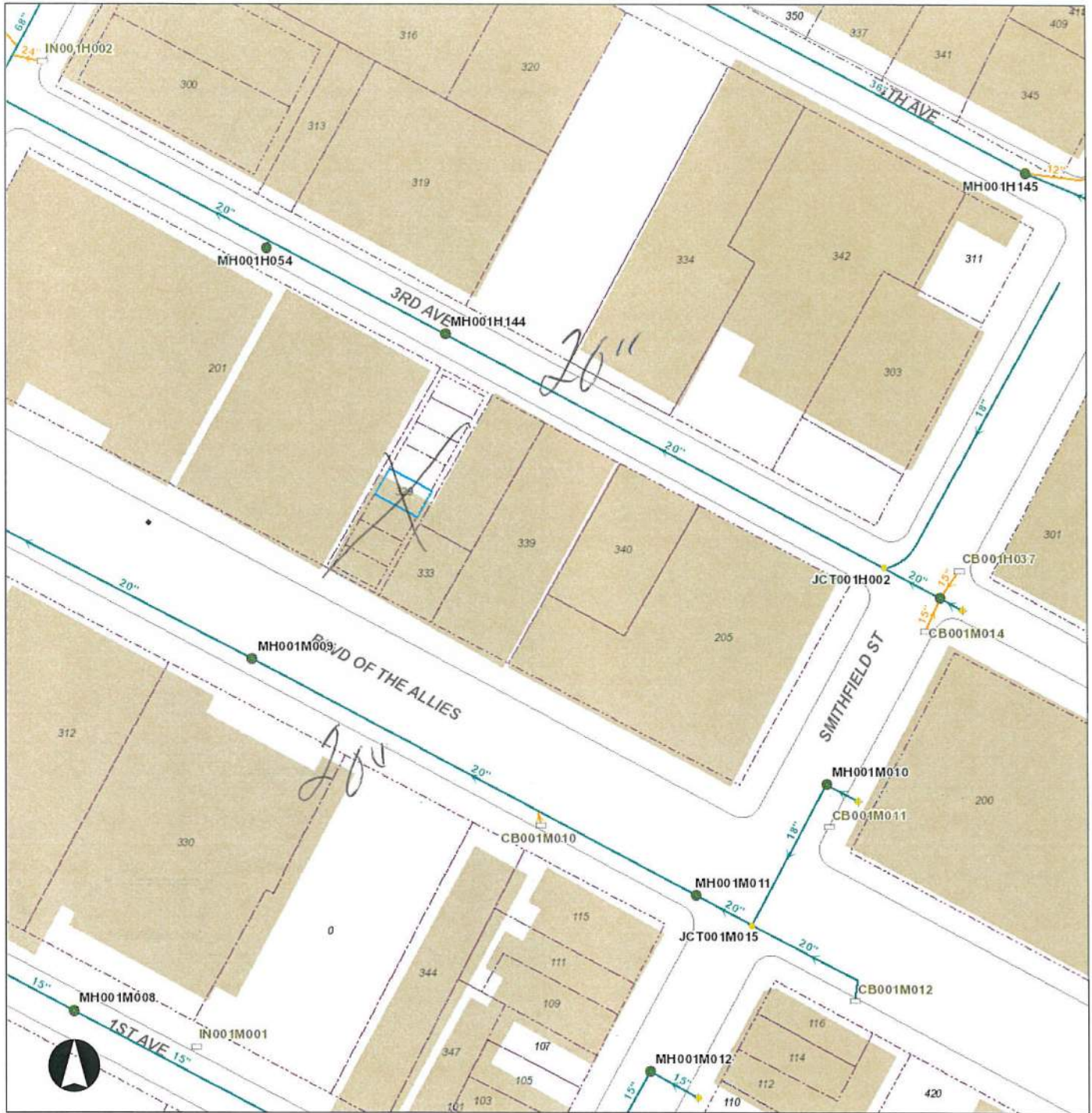
- Private Inlet
- Outfall
- End Cap
- Sewer Pump Station
- Combined Sewer
- Sanitary Sewer
- Storm Sewer
- Regulated Combined Sewer
- Overflow Sewer
- Interceptor
- Sewer Force Main
- Private Sewer
- Undefined Sewer
- Green Infrastructure Underground Facilities



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 therefore is assumed by the City or the PWSA.

Date: 3/16/2020

329 Blvd of the Allies - Sewer

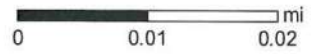


Legend

- WATER**
- Meter
 - Curb Box
 - ⊠ Water System Pump
 - ⊕ Hydrant
 - ⊗ System Valve
 - ⊙ Dividing Pressure Valve
 - ⊠ Coupling
 - ⊠ Tee
 - ⊕ Cross
 - ⊠ Reducer
 - ⊕ End Cap
 - ⊕ Wash Out

- ⊕ Pressure Monitoring Station
 - Water Manhole
 - Rising Main
 - Supply Main
 - Transmission Main
 - Distribution Main
 - Hydrant Branch
 - Private Main
 - Water Service Line
- SEWER**
- Manhole
 - Junction
 - Inlet

- Private Inlet
- Outfall
- ⊕ End Cap
- Sewer Pump Station
- Combined Sewer
- Sanitary Sewer
- Storm Sewer
- Regulated Combined Sewer
- Overflow Sewer
- Interceptor
- Sewer Force Main
- Private Sewer
- Undefined Sewer
- Green Infrastructure Underground Facilities



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 therefore is assumed by the City or the PWSA.

Date: 3/16/2020

EXHIBIT I.

Alternatives Analysis

Alternative Analysis

A Safe Place to Stay

326 Third Avenue, 1st Ward, City of Pittsburgh

The proposed short-term and long-term ultimate method of sanitary sewage conveyance and treatment from the proposed A Safe Place to Stay project involves the use of adequately designed storm and sanitary sewer laterals, owned and maintained by the property owner, connecting into the PWSA owned 20" V.C.P. combination sewer system located in Boulevard of the Allies. This public sewer connects into the ALCOSAN Monongahela River Interceptor (M-03) and sewage flows via gravity through the interceptor sewer to the ALCOSAN Treatment Plant at Woods Run.

The project site is located within the Golden Triangle Subdistrict C and is surrounded by commercial and educational buildings. Adjacent properties utilize the existing public sewer system as their ultimate sewage disposal conveyance system and the ALCOSAN Treatment Plant as their ultimate sewage treatment method. Additionally, 326 Third Avenue (previously 329 Boulevard of the Allies) in its existing conditions ties into the existing public sewer system and uses the ALCOSAN Treatment Plant as its ultimate sewage treatment method.

There are no feasible sewage facilities alternatives because access to the public sewer system is available, and the proposed building occupies most of the 0.085-acre lot. If public sewers were not available, sewage could be temporarily stored using an on-site holding tank and trucked to an off-site facility or designated location; however, the alternative options would not be permitted since there are available public sewers and they pose a potential health risk.

EXHIBIT J.

PNDI Receipt and Pennsylvania Game Commission Letter

1. PROJECT INFORMATION

Project Name: **329 Boulevard of the Allies (A Safe Place to Stay)**

Date of Review: **4/16/2020 01:55:23 PM**

Project Category: **Development, Additions/maintenance to existing development facilities**

Project Area: **0.08 acres**

County(s): **Allegheny**

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

ZIP Code: **15222**

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

Watersheds HUC 8: **Lower Monongahela**

Watersheds HUC 12: **Streets Run-Monongahela River**

Decimal Degrees: **40.438362, -80.000864**

Degrees Minutes Seconds: **40° 26' 18.1038" N, 80° 0' 3.1107" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Conservation Measure	No Further Review Required, See Agency Comments
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

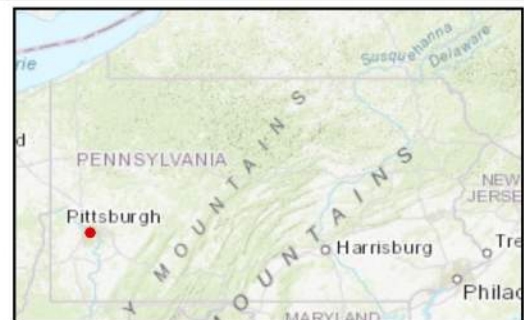
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication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

329 Boulevard of the Allies (A Safe Place to Stay)

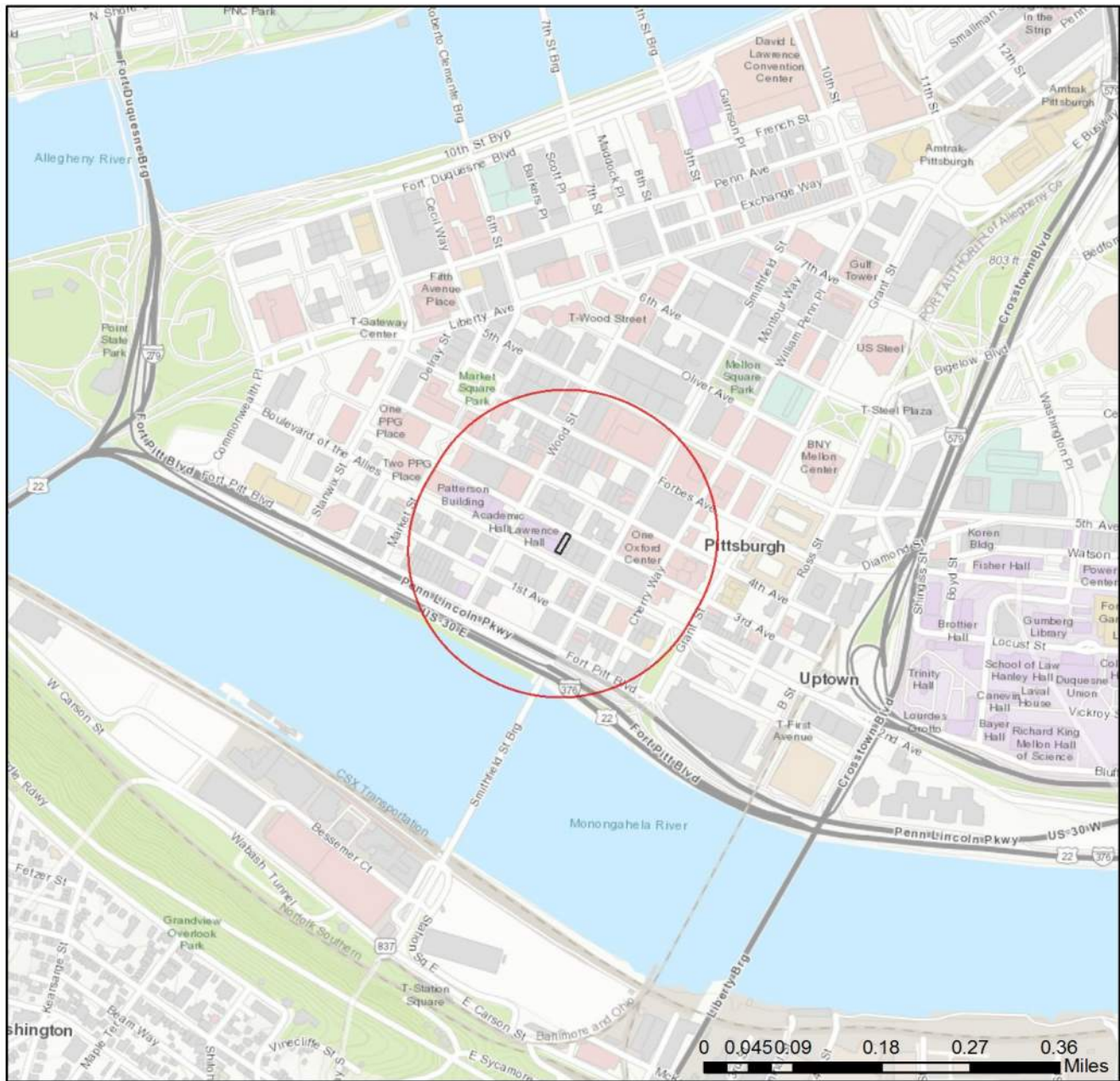


- Project Boundary
- Buffered Project Boundary

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



329 Boulevard of the Allies (A Safe Place to Stay)



- 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,



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:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PGC 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
Falco peregrinus	Peregrine Falcon	Threatened

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
Leptodea fragilis	Fragile Papershell	Special Concern Species*
Quadrula quadrula	Mapleleaf	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.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

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

Check-list of Minimum Materials to be submitted:

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

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

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

SIGNED copy of a Final Project Environmental Review Receipt

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

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

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

4. DEP INFORMATION

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

5. ADDITIONAL INFORMATION

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

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

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

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

PA Fish and Boat Commission

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

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

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

7. PROJECT CONTACT INFORMATION

Name: Kelley R. Harrington, E.I.T.
Company/Business Name: The Gateway Engineers, Inc.
Address: 100 McMorris Road
City, State, Zip: Pittsburgh, PA 15205
Phone: (412) 409-2302 Fax: (412) 921-9960
Email: kharrington@gatewayengineers.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.

Kelley R. Harrington

applicant/project proponent signature

07/15/2020

date



July 15, 2020

Ms. Kelley Harrington
Gateway Engineers
100 McMorris Road
Pittsburgh, Pennsylvania 15205
kharrington@gatewayengineers.com

PNDI Receipt File: *project_receipt_329_boulevard_allies_safe_706219_FINAL_2.pdf*
Re: 329 Boulevard of the Allies (A Safe Place to Stay)
City of Pittsburgh, Allegheny County, Pennsylvania

Dear Ms. Harrington,

Thank you for submitting Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt *project_receipt_329_boulevard_allies_safe_706219_FINAL_2.pdf* for review. The Pennsylvania Game Commission (PGC) screened this project for potential impacts to species and resources of concern under PGC responsibility, which includes birds and mammals only.

Potential Impact Anticipated

PNDI records indicate species or resources of concern are located in the vicinity of the project. The PGC has received and thoroughly reviewed the information that you provided to this office, as well as PNDI data, and has determined that potential impacts to the following threatened, endangered, and species of special concern birds and mammals may be associated with your project. Therefore, additional measures may be necessary to avoid potential impacts to the species listed below.

Scientific Name	Common Name	PA Status
<i>Falco peregrinus</i>	Peregrine Falcon	THREATENED

Next Steps

The PNDI review revealed the presence of a peregrine falcon nest within 1,000 feet of the project area. Therefore, the following seasonal restriction should be incorporated into the project plans in an effort to avoid impacts to the nesting pair:

- All work required on the exterior of the building as well as any activities which may require the use of cranes should occur outside of peregrine falcon nesting season, between August 1 and February 14. No such activities should be completed between February 15 through July 31. If this cannot be incorporated into the project plans, additional coordination with the PGC will be required.

This response represents the most up-to-date summary of the PNDI data files and is valid for two (2) years from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on site. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

Should the proposed work continue beyond the period covered by this letter, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative and accurate map). If the proposed work has not changed and no additional information concerning listed species is found, the project will be cleared for PNDI requirements under this agency for two additional years.

This finding applies to impacts to birds and mammals only. To complete your review of state and federally-listed threatened and endangered species and species of special concern, please be sure that the U.S. Fish and Wildlife Service, the PA Department of Conservation and Natural Resources, and/or the PA Fish and Boat Commission have been contacted regarding this project as directed by the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

Sincerely,



Olivia A. Braun
Environmental Planner
Division of Environmental Planning & Habitat Protection
Bureau of Wildlife Habitat Management
Phone: 717-787-4250, Extension 73128
Fax: 717-787-6957
E-mail: Olbraun@pa.gov

A PNHP Partner



OAB/oab

cc: Schnupp
Brauning
Murphy
Barber
Librandi Mumma
McMorris
Fazi
Trusso

EXHIBIT K.

Plot Plan

A966

THIRD AVE

EXISTING PARKING LOT

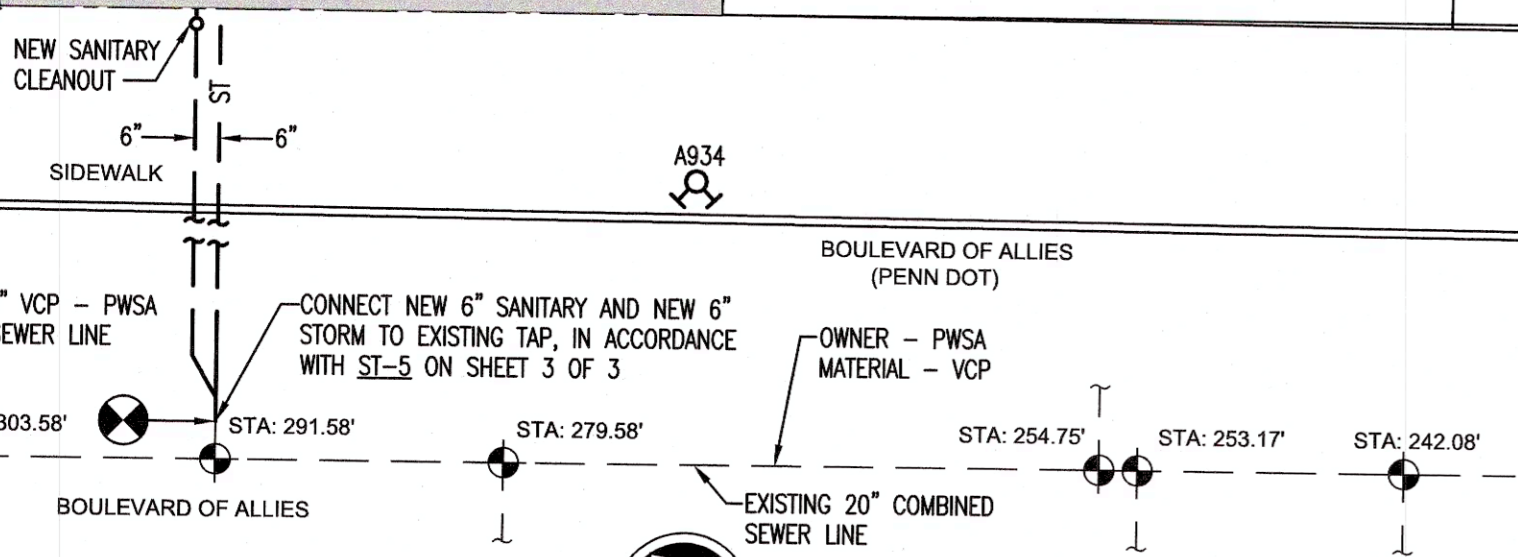
ADJACENT TENANT

329 BLVD OF ALLIES
PITTSBURGH, PA 15222
OWNER - RENEWAL INC.
ALLEGHENY COUNTY BLOCK & LOT NO. = 1-H-338-100 TO 800

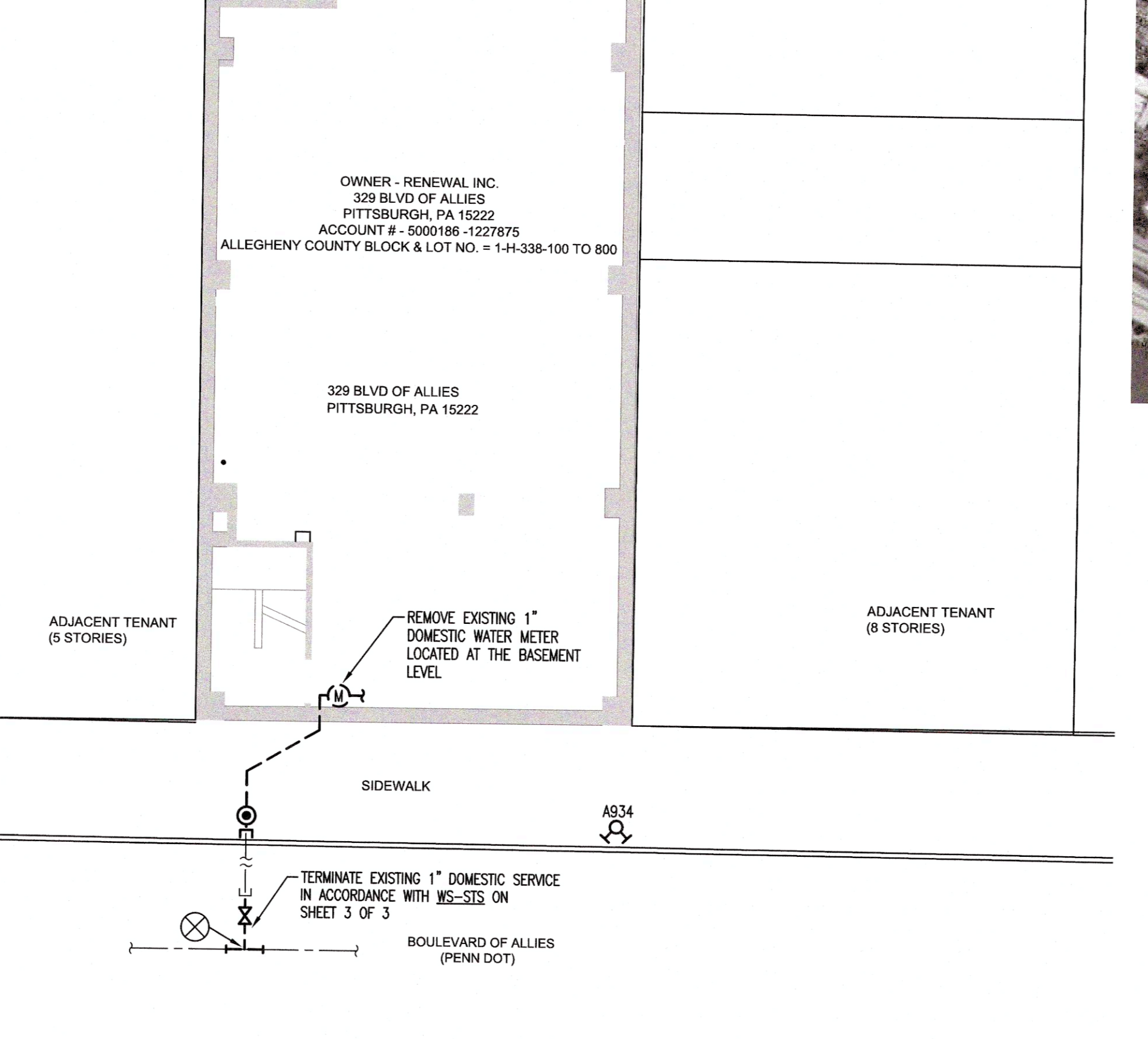
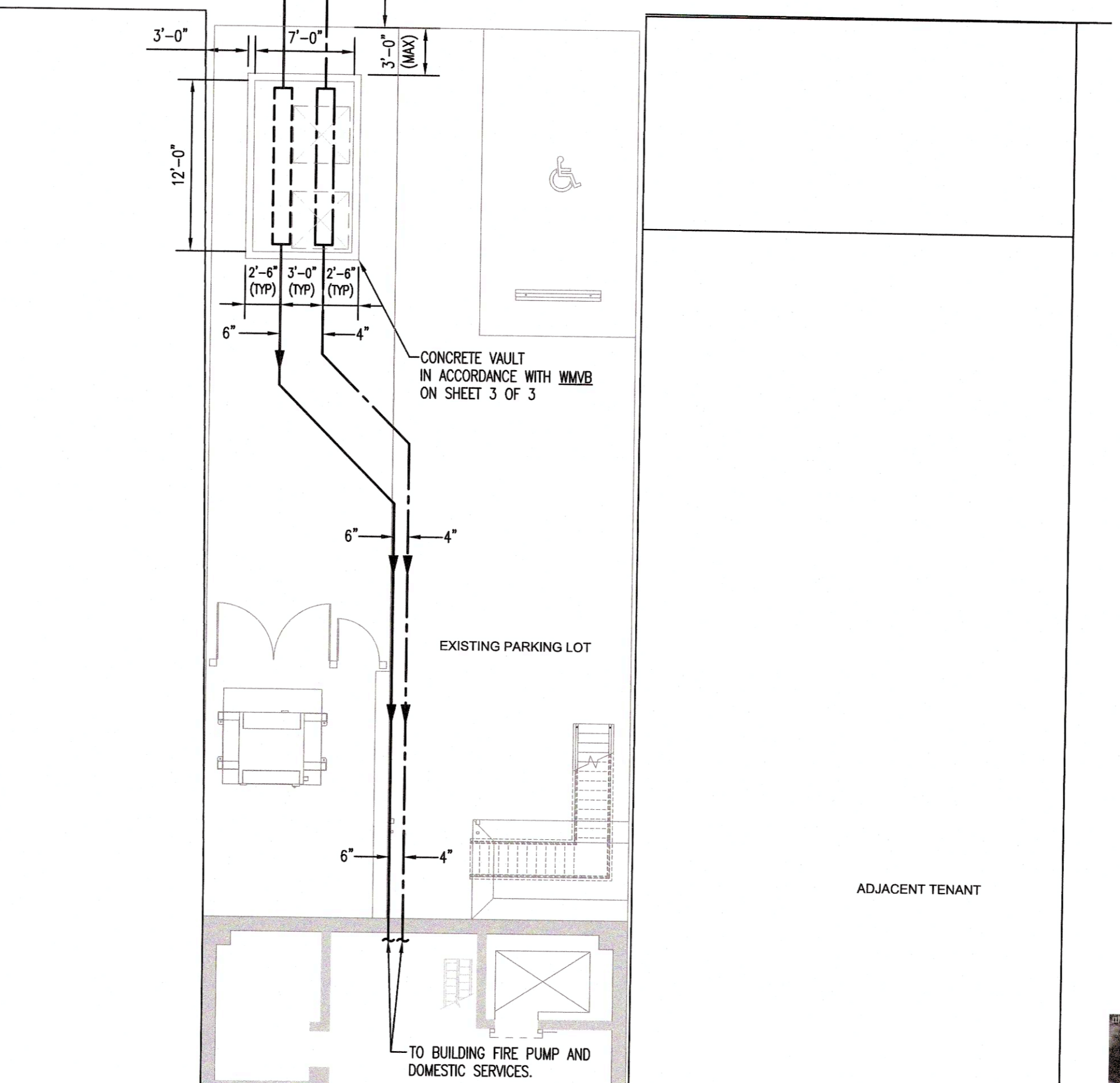
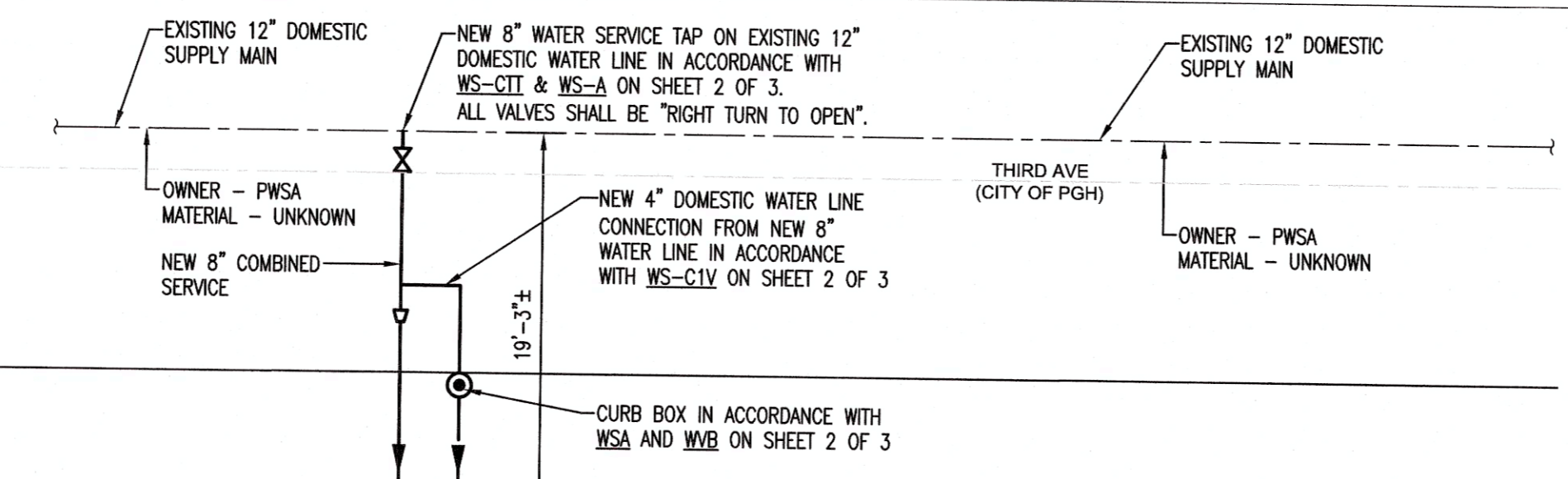
329 BLVD OF ALLIES
PITTSBURGH, PA 15222
RESIDENTIAL COMMERCIAL
(8 STORIES @ 1650 SF/FLOOR)
BUILDING TOTAL = 13,200 SF

ADJACENT TENANT (5 STORIES)

ADJACENT TENANT (8 STORIES)



1 SEWER TAP PLAN
SCALE: 1/8" = 1'-0"
BUILDING NORTH



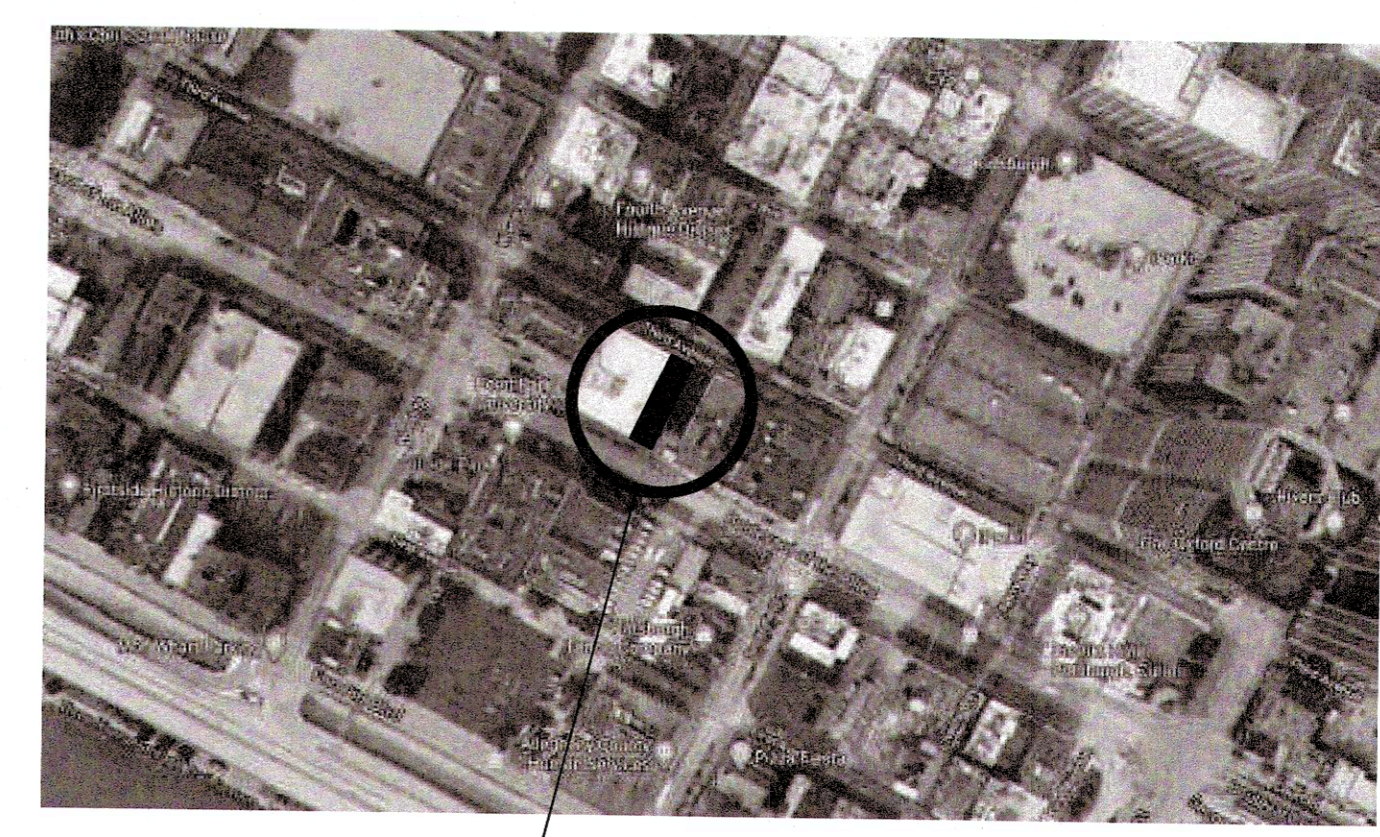
2 WATER TAP PLAN
SCALE: 1/8" = 1'-0"
BUILDING NORTH

THIRD AVENUE - 12" WATER
0.00' & THIRD AVENUE STREET
-2.08' & 12" CW MAIN
18.92' PROPERTY LINE
21.92' WATER METER VAULT ENTRANCE
34.92' WATER METER VAULT EXIT
44.90' 8" COMBINED WATER OFFSET
50.33' 8" COMBINED WATER OFFSET
90.17' BLDG WATER ENTRANCE

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

PENNSYLVANIA ACT 38 (1997) REQUIRES NO LESS THAN 3 WORKING DAYS NOTICE NOR MORE THAN 10 WORKING DAYS NOTICE FROM EXISTING UTILITIES WHOSE MAINS TO BE OPENED, BURNED, ABANDONED, DEPT. GRADE, TRENCH, OR OTHERWISE MOVED IN THE CONSTRUCTION PHASE. FOR LOCATION REQUESTS IN THE STATE OF PENNSYLVANIA, CALL ONE CALL FIRST: 1-800-242-1776.

- WATER & SANITARY SEWER LEGEND**
- = EXISTING FIRE HYDRANT
 - = EXISTING SANITARY PIPING
 - = NEW SANITARY PIPING
 - = EXISTING COMBINED SEWER
 - = EXISTING WATER LINE
 - = NEW WATER LINE
 - = NEW/EXISTING CURB BOX
 - = NEW FIRE LINE
 - = EXISTING STORM PIPING



3 LOCATION MAP
SCALE: NO SCALE

CCTV STATIONING - BLVD OF THE ALLIES - 20" CIPP

- 0.00' & SMITHFIELD STREET
- 30.17' & MH001M011
- 226.08' TAP FACTORY MADE ACTIVE (MH001M009-UP 83.0')
- 242.08' TAP FACTORY MADE ACTIVE (MH001M009-UP 77.0')
- 253.17' TAP FACTORY MADE ACTIVE (MH001M009-UP 65.9')
- 254.75' TAP FACTORY MADE ACTIVE (MH001M009-UP 64.3')
- 279.58' TAP FACTORY MADE ACTIVE (MH001M009-UP 39.5')
- 291.58' TAP FACTORY MADE ACTIVE (MH001M009-UP 27.5')
- 303.58' TAP FACTORY MADE ACTIVE (MH001M009-UP 15.5')
- 310.25' TAP FACTORY MADE ACTIVE (MH001M009-UP 8.8')
- 316.58' TAP FACTORY MADE ACTIVE (MH001M009-UP 2.5')
- 319.08' & MH001M009
- 326.58' TAP FACTORY MADE ACTIVE (MH001M009-DN 7.5')
- 332.83' TAP FACTORY MADE ACTIVE (MH001M009-DN 13.8')
- 346.83' TAP FACTORY MADE ACTIVE (MH001M009-DN 27.8')
- 352.75' TAP FACTORY MADE ACTIVE (MH001M009-DN 33.7')
- 356.08' TAP FACTORY MADE ACTIVE (MH001M009-DN 37.0')
- 379.66' TAP FACTORY MADE ACTIVE (MH001M009-DN 60.5')
- 397.33' TAP FACTORY MADE ACTIVE (MH001M009-DN 78.3')
- 403.92' TAP FACTORY MADE ACTIVE (MH001M009-DN 84.9')
- 406.08' TAP FACTORY MADE ACTIVE (MH001M009-DN 87.0')
- 417.92' TAP FACTORY MADE ACTIVE (MH001M009-DN 98.9')
- 606.25' & WOOD STREET
- 610.66' & 68' MAIN & WOOD ST
- 858.25' & MH001H132

HYDRANT FLOW TEST DATA
(REQUIRED FOR 1" OR LARGER TAPS)

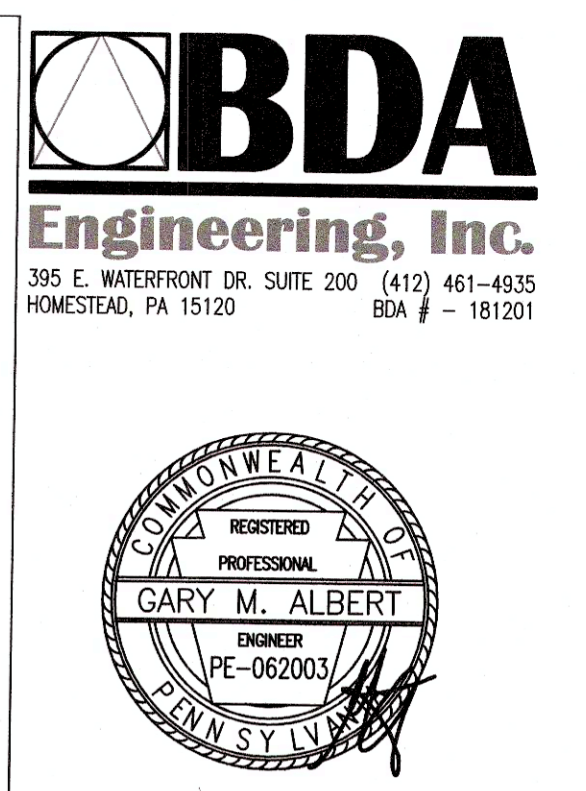
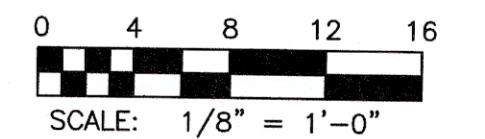
Date of Test: 08/13/2020 Hydrant Permit Number: 19-119
Test Performed By: FIRE FIGHTER - PGH

	FLOW HYDRANT	PRESSURE HYDRANT
Hydrant Number:	A965	A970
Location:	CORNER 3 AVE & WOOD ST	CORNER 3 AVE & SMITHFIELD ST
Static Pressure (PSI)	-	100 PSI
Residual Pressure (PSI)	-	95 PSI
Flow Observed	1550 GPM	-

Fire Protection Demands: NEPA13
 Sprinkler System Peak Demand 767 GPM 158 PSI
 Inside Hose Demand 500 GPM
 Outside Hose Demand 250 GPM
 Domestic System Peak Demand 115 GPM
 Private Hydrant Demands - GPM

WATER AND SEWER FLOW DATA

WATER CONSUMPTION	3,416	GPD
SANITARY FLOW	4,078	GPD
STORM FLOW	0.44	CFS
PLANNING MODULE NUMBER (ASSIGNED BY PWSA)		
PA DEP APPROVAL DATE (ASSIGNED BY PWSA)		



DRAWN BY: BDA
 DATE ISSUED: 12/18/19
 CHECKED BY: BDA
 PROJECT NO.: 180201

REVISIONS

NO.	DESCRIPTION	DATE
1	PWSA REVISION	6/24/20
2	PWSA REVISION	7/14/20
3	PWSA REVISION	8/18/20



THE PITTSBURGH WATER AND SEWER AUTHORITY

- * APPROVAL FOR:
- NEW WATER TAP, BACKFLOW PREVENTOR, AND METER INSTALLATION
 - NEW SANITARY AND/OR STORM SEWER TAP
 - INCREASE IN FLOW AT EXISTING SEWER AND/OR WATER CONNECTION
 - SEWER TAP TERMINATION
 - WATER TAP TERMINATION

DISCLAIMER
 Signatures / Approval by PWSA are for the physical connection(s) to the water and/or sewer system only.

Responsibility for the design and work depicted by the drawings, including the flow design for the facilities, is by the project professional engineer shown by the seal and signature affixed to the drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design demands.

PWSA Project Reviewer certifies that he/she reviewed the above noted document(s) in accordance with the Authority's established rules and regulations. Based on this review, approval is hereby recommended. Date _____

PWSA Project Reviewer _____

Approval _____ Date _____

Chief of Operations _____

Director of Engineering and Construction _____

WILDMAN CHALMERS DESIGN

RENEWAL INC.
 329 BOULEVARD OF THE ALLIES
 PITTSBURGH, PA 15222

SCALE: AS NOTED SHEET ACCESSION No. _____

DATE: 12-18-19 1 OF 3 CASE No. _____

