



A FULL-SERVICE CIVIL ENGINEERING FIRM

C-17819-0016

January 2024

Oakland Pride Housing

3133 Forbes Avenue
City of Pittsburgh
Allegheny County, PA 15213

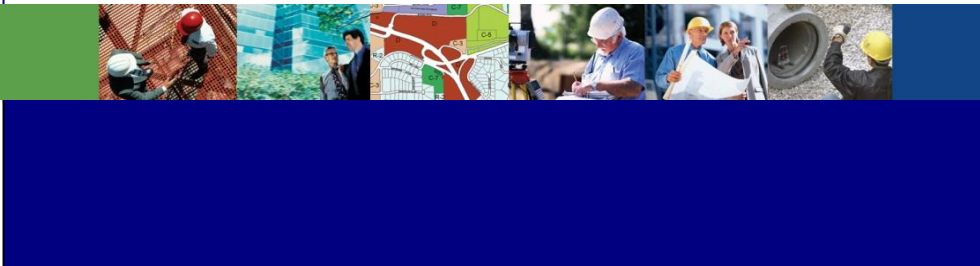
PREPARED FOR

Affirmative Investments, Inc.
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SUBMITTED BY

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SEWAGE FACILITIES PLANNING MODULE



EXHIBITS

- EXHIBIT A. Sewage Facilities Planning Module – Component 3 – Sewage Collection and Treatment Facilities
- EXHIBIT B. Sewage Facilities Planning Module – Component 3 – Sewage Collection and Treatment Facilities – ALCOSAN Approval
- EXHIBIT C. PWSA Water and Sewer Availability Letter
- EXHIBIT D. Project Narrative and Flow Map
- EXHIBIT E. Flow Calculations (Signed and Sealed)
- EXHIBIT F. USGS Site Location Map
- EXHIBIT G. Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review
- EXHIBIT H. Plot Plan
- EXHIBIT I. Sewage Flow Calculations
- EXHIBIT J. Alternatives Analysis
- EXHIBIT K. Sewage Facilities Planning Module – Component 4A – Municipal Planning Agency Review
- EXHIBIT L. Sewage Facilities Planning Module – Component 4C – County or Joint Health Department Review

EXHIBIT A.

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

Code No.



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

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

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

This component, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Oakland Pride Housing

2. Brief Project Description The proposed Oakland Pride housing project consists of the construction of a multifamily housing structure with underground vehicle and bicycle parking areas, an underground stormwater management system, new sidewalk, new pavement, new outdoor green space amenities, and utility installation.

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

Municipality Name	County	City	Boro	Twp
Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Prendergast	Kyla			Senior Environmental Planner

Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1	Mailing Address Line 2
Department of City Planning	200 Ross Street, Suite 4

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

Area Code + Phone + Ext.	FAX (optional)	Email (optional)
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412-255-2516

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Oakland Pride Housing

Site Location Line 1

3133 Forbes Ave

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15213

Latitude

40.436839

Longitude

-79.963816

Detailed Written Directions to Site From downtown Pittsburgh take Forbes Avenue a distance of 2.4 miles from terminus going east in which the site will be on northern side of Forbes Avenue and contained by intersection with Craft Avenue.

Description of Site The site is 0.94 acres of disturbance on low slopes to steep slopes with existing open space, gravel, woods, and decorative plantings.

Site Contact (Developer/Owner)

Last Name

Ennis

First Name

David

MI

Suffix

Phone

617.733.3881

Ext.

Site Contact Title

President

Site Contact Firm (if none, leave blank)

Affirmative Investments, Inc.

FAX

Email

dennis@affirmativeinvestments.com

Mailing Address Line 1

33 Union Street

Mailing Address Line 2

2nd Floor

Mailing Address Last Line -- City

Boston

State

MA

ZIP+4

02108

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

Last Name

Donnelly

First Name

Sean

MI

M

Suffix

PE

Title

Project Manager

Consulting Firm Name

The Gateway Engineers, Inc.

Mailing Address Line 1

100 McMorris Road

Mailing Address Line 2

Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15205

Country

United States

Email

sdonnelly@gatewayengineers.com

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: Pittsburgh Water and Sewer Authority (PWSA)

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 30

Connections _____

Name of:

existing collection or conveyance system Forbes Abe - 15" VCP

owner PWSA

existing interceptor Monongahela River Interceptor (M-19)

owner 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 25984

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 Steven Bristol, EIT

Agent Signature Steven Bristol Date 11/16/2023

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

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

(CRN), a return receipt for its submission to the PHMC and the PHMC review letter.

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____.

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

- An alternative sewage facilities analysis has been prepared as described in Section H of the attached instructions and is attached to this component.
The applicant may choose to include additional information beyond that required by Section H of the attached instructions.

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

- The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ pounds per year as determined by the wastewater treatment facility 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 8380 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	2738537	9584881	118000	1659000	500214	1750749
Conveyance		12,100,000	5,100,000	5,810,000	5,108,000	5,885,000
Treatment		250,000,000	194,200,000	250,000,000	248,800,000	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 Robert Herring

Agent Signature Robert Herring Date 10/25/2023

2023.10.25
09:21:26 -04'00'

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Steven Bristol, EIT

Agent Signature *Steven Bristol*

Date 11/16/2023

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. 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 Steven Bristol, EIT

Agent Signature *Steven Bristol*

Date 11/16/2023

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 8380 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.

Sean M. Donnelly, P.E.



Name (Print)

Signature

Project Manager

10/24/2023

Title

Date

100 McMorris Road Pittsburgh, PA 15205

4124092288

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 \$ 1050 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.

$$\#21 \text{ Lots (or EDUs) X } \$50.00 = \$ 1050$$

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:

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

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)

EXHIBIT B.

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



Members of the Board

Sylvia C. Wilson
Chair Person

Shannah Tharp-Gilliam, Ph.D.
Harry Readshaw
Emily Kinkead
Paul Klein
Theresa Kail-Smith
Darrin Kelly

Arletta Scott Williams
Executive Director

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

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

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

Karen Fantoni, CPA, CGMA
*Director
Finance*

Michael Lichte, P.E.
*Director
Regional Conveyance*

Jeanne K. Clark
*Director
Governmental Affairs*

Julie Motley-Williams
*Director
Administration*

November 16, 2023

Liam Hodgson, E.I.T.
The Gateway Engineers, Inc.
100 McMorris Road
Pittsburgh, PA 15205

**Re: 3133 Forbes Avenue - Apartments
Allegheny County, Pennsylvania
PA DEP Sewage Facilities Planning Module
ALCOSAN Direct Connection M-19**

Dear Mr. Hodgson:

We have reviewed the Component 3 Planning Module for the referenced project to be located at 3133 Forbes Avenue in Allegheny County. The project will generate a peak flow of 8,380 gpd in the ALCOSAN Monongahela Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN M-19 Regulator Structure is approximately 12.1 MGD. The monitored peak dry weather flow are approximately 5.81 MGD. Dry weather capacity exists for this connection. However, the ALCOSAN Monongahela Interceptor does 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 has completed and signed the sections required in the Component 3 module and requests that this letter be made part of the planning module submission. If you have any questions regarding this matter, please contact me at 412-742-1530.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Steven Bristol, E.I.T.
Project Engineer I

Attachment

cc: Christina Dean (w/o attachment)
Leslie Sanford (w/o attachment)
Michael Lichte (w/o attachment)

Robert Herring/ PWSA (w/o attachment)
Mahbuba Iasmin/ PADEP (w/o attachment)
Issa Tijani/ ACHD (w/o attachment)

EXHIBIT C.

PWSA Water and Sewer Availability Letter



11/08/2023

Joseph E. Chirumbolo
The Gateway Engineers Inc.
100 McMorris Rd, Pittsburgh PA 15205-9445

RE: Water and Sewer Availability
Forbes Avenue

Dear Joseph E. Chirumbolo

In response to your inquiry concerning water and sewer availability for the area referenced above, please be advised that water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority as described below:

Water service available: Yes

Sewer service available: Yes

24" Forbes Avenue

15" Forbes Avenue

12" Craft Avenue

We wish to advise you that, if it is your desire to tap our water and sewer mains for service, your plans must be approved through a development permit application in accordance with the PWSA Developer's Manual.

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

Sincerely,

A handwritten signature in black ink that reads 'Wendy M. Dean'.

Wendy M. Dean
Engineering Tech II

EXHIBIT D.

Project Narrative and Flow Map

Project Narrative

Oakland Pride Housing
3133 Forbes Avenue, 4th Ward, City of Pittsburgh

The proposed Oakland Pride housing project consists of the construction of a multifamily housing structure with underground vehicle and bicycle parking areas, an underground stormwater management system, new sidewalk, new pavement, new outdoor green space amenities, and utility installation. The property of interest is contained within parcel 28-J-180 in the 4th Ward of the City of Pittsburgh which are currently owned by Affirmative Investments, Inc. The project area includes 0.94 acres of disturbance contained within but not encompassing this parcel.

The project site will experience an increase in water consumption and sanitary flow due to the construction of the housing where no buildings currently exist. Thus, no consumption/flow exists for this site in its current condition and is consistent with the PWSA Developer's Manual.

The proposed floor plans, numerical amount of residents, and peak flows provided in Table 2-1 of PWSA's Developers Manual were utilized to determine the proposed peak sewage flow and water consumption for the apartment building. A total peak flow of 8,380 GPD is proposed for the project.

This project will require the termination of existing water tap and sewer taps as well as the construction of a new domestic water service lateral, fire service line, sanitary sewer lateral, and storm sewer lateral. Associated tap-in plans for the private water, storm, and sanitary connections will be submitted to PWSA for review and approval.

The sanitary sewer in Forbes Ave is an 15" PWSA owned combination gravity sewer and connects into the Monongahela River Interceptor Sewer M-19 and then to ALCOSAN's treatment plant where the sewage

receives final treatment. Domestic water and fire service will be provided off the existing 12” PWSA owned water main located in Craft Ave.

Flow Calculation Summary

Present Flows – Flow Monitoring

One month of flow monitoring was completed by Drnach Environmental in MH028J010 to determine the existing average and peak flows present in the sewer of interest. Flow monitoring began on 8/25/23 and ended on 9/24/23. **Analysis of the received data reports an existing average flow of 0.118 MGD and a peak hourly flow of 1.659 MGD.**

Design Capacity

The existing sewer’s average and peak hydraulic capacity were calculated by determining the existing slope of the sewer of interest using as-built information between the monitoring manhole (MH028J010) and the next upstream manhole. The sewer was analyzed under full flow conditions, and a peaking factor of 3.5 (combined sewer) was applied to obtain the peak hydraulic capacity per the PWSA Developer’s Manual. **The average hydraulic capacity was calculated to be 2.738 MGD and the peak hydraulic capacity was calculated to be 9.584 MGD.**

5-Year Projected Flow

Using the equations in the PWSA Developer’s Manual, the net flow, 8,380 GPD, was added to the present average and peak flows to determine the projected flow in 5 years. **The projected average flow is estimated to be 0.500 MGD and the projected peak flow is estimated to be 1.750 MGD.** Since the 5-year flows are less than the calculated design capacity of the sewer, the additional flow due to the construction of Oakland Pride Housing will not overload the sewer.

Oakland Pride Housing - Flow Map



10/31/2023, 2:08:37 PM

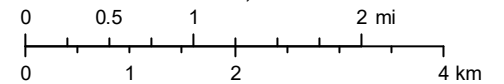
ALCOSAN Plant



Wastewater | Discharge Points

- Override 1

1:72,224



3 Rivers Wet Weather

EXHIBIT E.

Flow Calculations (Signed and Sealed)

Oakland Pride Housing - 3133 Forbes Avenue - C-17819-0016

Sewage Capacity Calculations

Pipe Diameter (per Flow Monitoring Report) =	15	in
Upstream Invert Elevation (per Survey) =	872.35	
Downstream Invert Elevation (per Survey) =	854	
Pipe Length (per Survey) =	261.31	ft
Slope =	7.02	%
Mannings n =	0.015	(VCP)

Design Capacity

Sewer Type (Combined/Separate)	Combined	
Peaking Factor	3.5	
Peak Hydraulic Capacity (Using Mannings Equation full-flow)	14.830	cfs
	9,584,881	GPD
Average Hydraulic Capacity (Peak Capacity divided by Peaking Factor)	2,738,537	GPD

Present Flows - MH028J010

Present Average Flows (Flow data, refer to "Data Analysis" spreadsheet)	0.118	MGD
	118,000	GPD
Present Peak Flows (Flow data, refer to "Data Analysis" spreadsheet)	1.659	MGD
	1,659,000	GPD

Project Flow

Project Flow	8,380	GPD
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Projected Flows

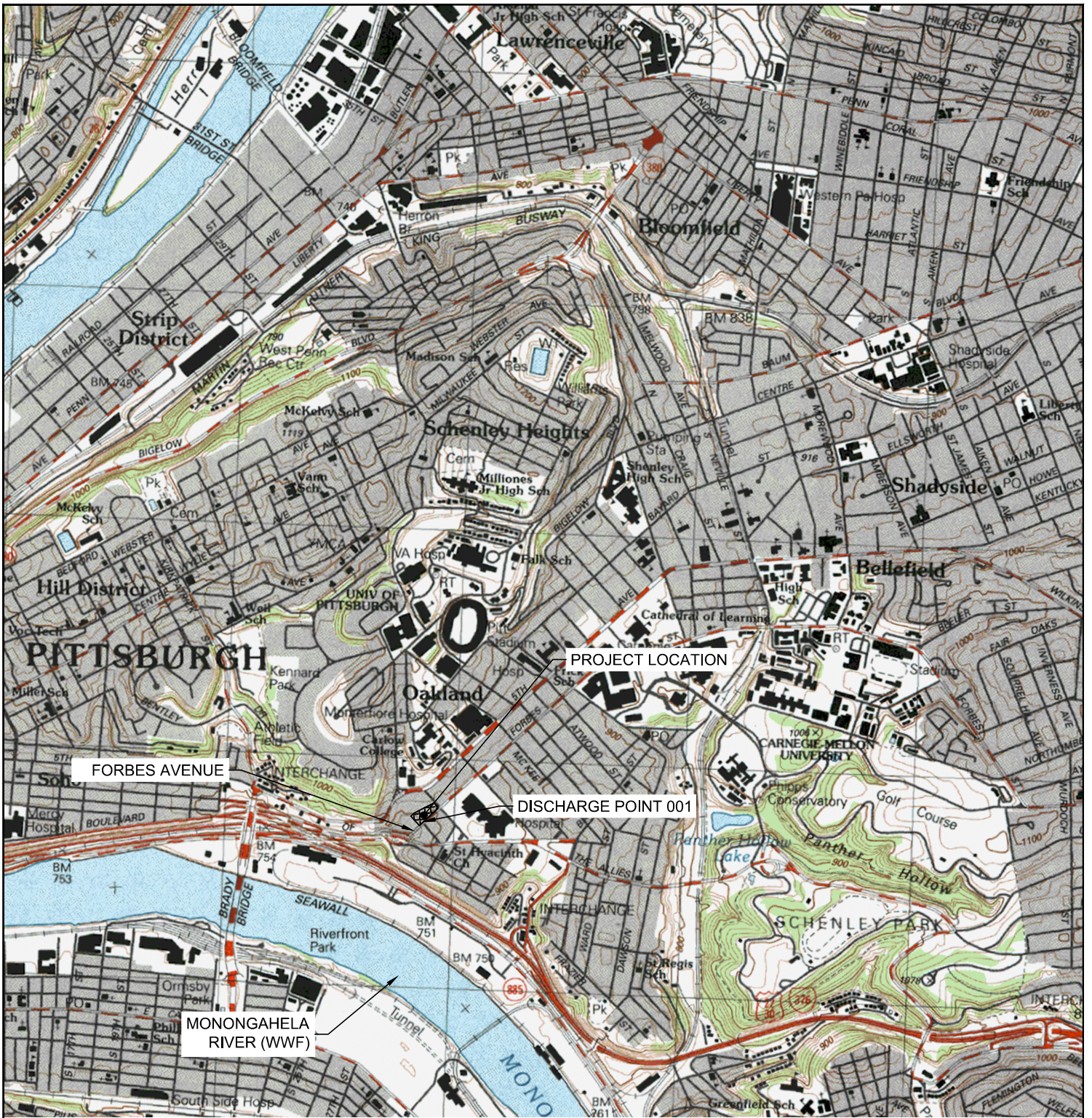
Projected Peak [(Present Peak Flow + Project Flow) x 1.05]	1,750,749	*GPD
Projected Average (Projected Peak Flow divided by Peaking Factor)	500,214	*GPD

*Projected Flows are less than the Design Capacity

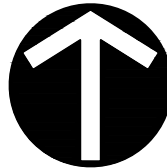


EXHIBIT F.

USGS Site Location Map

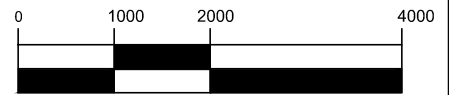


SITE LOCATION MAP
PITTSBURGH EAST QUADRANGLE
SCALE: 1" = 2000'



NORTH

GRAPHIC SCALE



(IN FEET)

1 inch = 2000 ft.

THE GATEWAY ENGINEERS, INC. RETAINS OWNERSHIP RIGHTS OF ALL DATA WITHIN THE PLANS. DATA CONTAINED WITHIN IS ONLY TO BE USED FOR ITS INTENDED PURPOSE BY ITS RESPONSIBLE PARTY. THE USE, REPLICATION, REPRODUCTION, OR REDISTRIBUTION OF DATA CONTAINED WITHIN IS STRICTLY PROHIBITED AND SUBJECT TO LEGAL ACTION.

LOCATION MAP
 Project Number: 17819-0016
 Drawing Scale: 1" = 2000'
 Date Issued: JUNE 2023
 Index Number: _____
 Drawn By: LEH
 Checked By: SMD
 Project Manager: SMD
LM

OAKLAND PRIDE HOUSING
 FORBES AVENUE
 PITTSBURGH, PA 15213
 PREPARED FOR:
AFFIRMATIVE INVESTMENTS
 33 UNION STREET, 2ND FLOOR
 BOSTON, MA 02108

Date	No	REVISION RECORD
05-10-2023	01	DESIGN DEVELOPMENT SUBMISSION
-	02	-
-	03	-
-	04	-
-	05	-
-	06	-
-	07	-
-	08	-



EXHIBIT G.

**Pennsylvania Natural Diversity Inventory (PNDI) Environmental
Review**

1. PROJECT INFORMATION

Project Name: **OAKLAND PRIDE HOUSING**

Date of Review: **7/20/2023 12:19:58 PM**

Project Category: **Development, New commercial/industrial development (store, gas station, factory)**

Project Area: **0.77 acres**

County(s): **Allegheny**

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

ZIP Code:

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

Watersheds HUC 8: **Lower Monongahela**

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

Decimal Degrees: **40.436911, -79.963741**

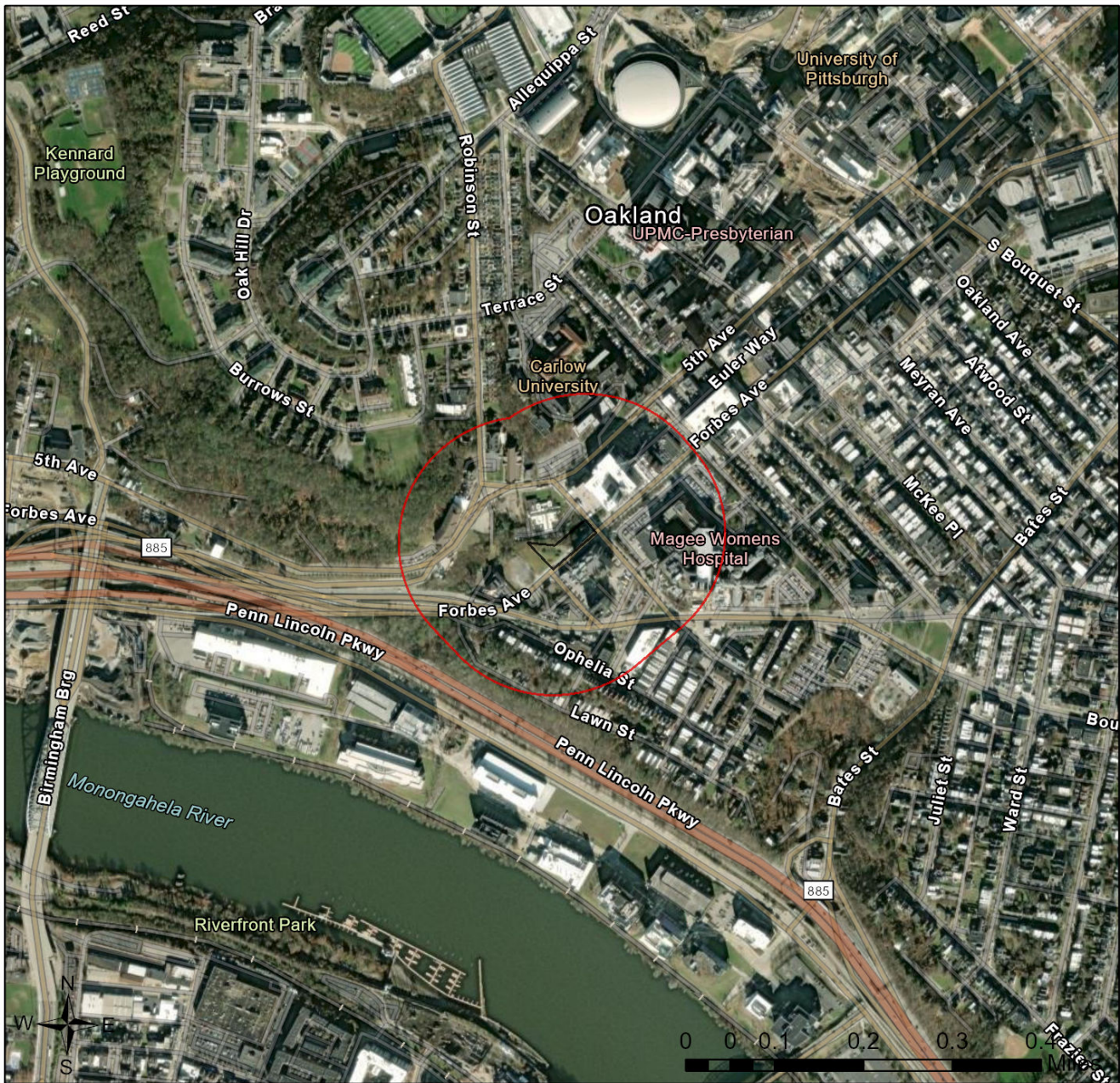
Degrees Minutes Seconds: **40° 26' 12.8784" N, 79° 57' 49.4692" W**



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.

OAKLAND PRIDE HOUSING

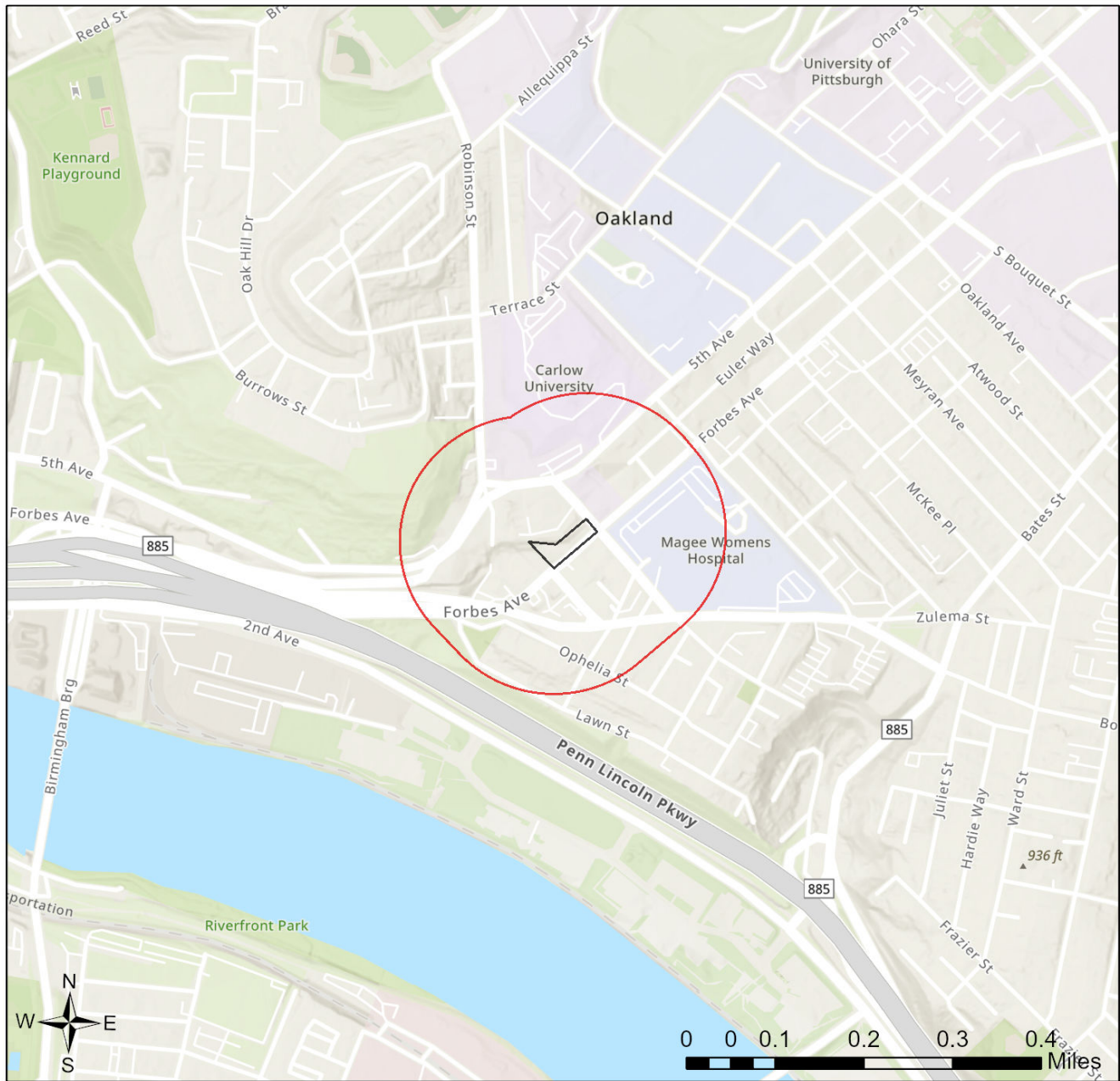




-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

OAKLAND PRIDE HOUSING



-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

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). 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 Management
Division of Environmental Review
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Liam Hodgson EIT
Company/Business Name: Gateway Engineers, Inc.
Address: 100 McMarris Rd
City, State, Zip: Pittsburgh, PA 15205
Phone: (412) 709-2321 Fax: ()
Email: lhodgson@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.

 2023-10-31
applicant/project proponent signature date

EXHIBIT H.

Plot Plan

UTILITY LEGEND		
1	PROPOSED 48" STORM MANHOLE	
2	PROPOSED TYPE 'M' INLET	
3	PROPOSED YARD DRAIN	
SAN	PROPOSED SANITARY LINE	
ST	PROPOSED STORM LINE	
WL	PROPOSED WATER LINE	
DAT	PROPOSED DATA LINE	
ELE	PROPOSED ELECTRIC LINE	

UTILITY ABBREVIATIONS	
STM	STORM
SAN	SANITARY
MH	MANHOLE
OS	OUTLET STRUCTURE
CO	CLEANOUT
RD	ROOF DRAIN
HW	HEADWALL
EW	ENDWALL

- UTILITY PLAN NOTES:**
- THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT PUBLIC LAW 91-564, FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
 - BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL CONTACT PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 8-1-1. THE LOCATION OF UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF PROPOSED UTILITIES CONSTRUCTION.
 - UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
 - ALL CABLE, ELECTRIC, GAS, STORM AND SANITARY SEWER, TELEPHONE AND WATER SERVICE LINE TRENCHES LOCATED UNDER PROPOSED PAVEMENT AREAS SHALL BE BACKFILLED WITH 100% STONE MATERIAL TO THE PROPOSED PAVING SECTION IN ACCORDANCE WITH THE DETAIL SHOWN ON THE CONSTRUCTION DETAIL SHEETS.
 - THERE SHALL BE NO CONSTRUCTION OF ELECTRIC TRANSFORMERS, TELEPHONE OR CABLE JUNCTION BOXES, GAS METERS OR SIMILAR DEVICES PLACED OVER ANY OTHER UNDERGROUND UTILITY.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND INLETS.
 - AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
 - UNLESS OTHERWISE NOTED, ALL STORM PIPE GREATER THAN OR EQUAL IN DIAMETER TO TWELVE INCHES (12") SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE, AND ALL STORM PIPE LESS THAN IN DIAMETER TO TWELVE INCHES (12") SHALL BE SDR-35. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATER-TIGHT.
 - THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE EXISTING INLETS UPON PLACEMENT OF NEW PAVEMENT.
 - CONTRACTOR TO COORDINATE WITH THE BUILDING PLUMBING AND SITE ELECTRICAL PLANS TO ASSURE ACCURACY OF THE UTILITY CONNECTIONS TO THE BUILDING.
 - CONDUIT LOCATIONS TO SITE LIGHT POLES TO BE COORDINATED WITH THE SITE ELECTRICAL PLAN.
 - THE ALLEGHENY COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED FOR INSPECTION OF ALL PRIVATE SANITARY SEWERS, WATER LINES, AND STORM SEWER LINES WHERE THEY CONNECT TO A PUBLIC SEWER SYSTEM. ALL WATER AND SEWER LINES MUST BE INSTALLED BY A REGISTERED PLUMBER.
 - THE ROOF COLLECTOR SYSTEM SHALL BE TRAPPED PRIOR TO CONNECTING TO THE SITE STORM SEWER SYSTEM.
 - THE WATERLINE SHALL HAVE A MINIMUM OF 48" OF COVER AND BE AT LEAST 1 FOOT ABOVE THE SANITARY SEWER IF WITHIN 10 FEET OF THE HORIZONTAL DISTANCE OF THE SEWER.

REVISION RECORD	
Date	No.
05-10-2023	01
07-14-2023	02
08-04-2023	03
09-05-2023	04
10-24-2023	05
	06
	07
	08

DATA (VERSION)
REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.

ELECTRIC SERVICE (DUQUESNE LIGHT COMPANY):
REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.

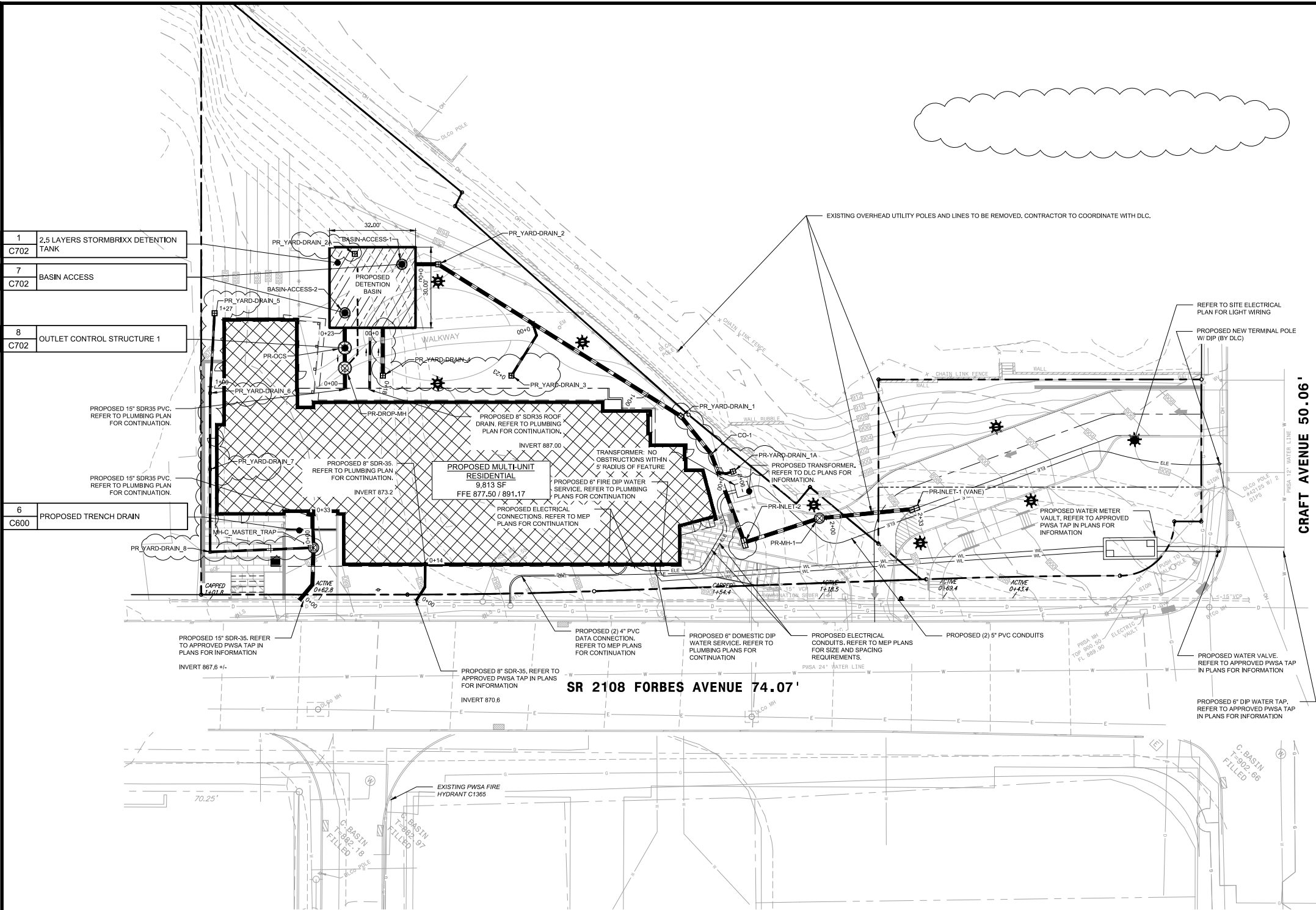
GAS SERVICE (PEOPLES NATURAL GAS):
GAS COMPANY WILL PROVIDE AND INSTALL THE GAS METERS. THE SERVICE LATERALS SHALL BE INSTALLED BY THE CONTRACTOR FROM THE CURB BOX VALVE TO THE METERS. THE GAS METER MUST BE INSTALLED EXTERNAL TO THE BUILDING. THE GAS LINE SHALL BE INSTALLED IN A SEPARATE TRENCH FROM ALL UTILITIES AND A MINIMUM OF TWO FEET (2') FROM ALL OTHER UTILITIES. THE CONTRACTOR SHALL PERFORM ALL TRENCHING AND BACKFILLING FOR THE INSTALLATION OF THIS SERVICE.

STORM SEWER SERVICE (PITTSBURGH WATER AND SEWER AUTHORITY - PWSA):
PRIOR TO CONSTRUCTION AND PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL FIELD VERIFY THE DEPTH OF THE EXISTING PWSA STORM SEWER LINE AND ADJUST THE SLOPE AND INVERT OF THE STORM SEWER LATERALS, MAIN COLLECTOR LINE, AND STORM SEWER LINES ACCORDINGLY. THE SLOPE OF THE LATERAL SHALL BE A MINIMUM OF 2%, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL INSTALL AND CONSTRUCT THE LATERALS AND PRIVATE CONNECTOR LINES TO THE PROPOSED WYES AND MAKE THE CONNECTIONS TO THE MAINLINE. THE CONTRACTOR SHALL ALSO CONTACT THE ALLEGHENY COUNTY HEALTH DEPARTMENT AND PWSA FOR INSPECTION PRIOR TO CONNECTION AND BACKFILLING. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF CONNECTOR LINES AND SERVICE LATERALS FROM EXISTING MAINLINE TO WITHIN 5' OF THE BUILDING. THE STORM SEWER LATERALS AND SERVICE LINES SHALL BE INSTALLED WITH A MINIMUM OF ONE FOOT (1') HORIZONTAL AND VERTICAL SEPARATION FROM ALL OTHER UTILITIES.

SANITARY SEWER SERVICE (PWSA):
PRIOR TO CONSTRUCTION AND PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL FIELD VERIFY THE DEPTH OF THE EXISTING SANITARY SEWER MAIN LINE AND ADJUST THE SLOPE AND INVERT OF THE SANITARY SEWER LATERAL AND CLEANOUTS ACCORDINGLY. THE SLOPE OF THE LATERAL SHALL BE A MINIMUM OF 2%, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL INSTALL AND CONSTRUCT THE LATERALS AND PRIVATE CONNECTOR LINES TO THE PROPOSED WYES AND MAKE THE CONNECTIONS TO THE MAINLINE. THE CONTRACTOR SHALL ALSO CONTACT AUTHORITY FOR INSPECTION PRIOR TO CONNECTION AND BACKFILLING. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF CONNECTOR LINES AND SERVICE LATERALS FROM EXISTING MAINLINE TO WITHIN 5' OF THE BUILDING. THE SANITARY SEWER LATERALS AND SERVICE LINES SHALL BE INSTALLED WITH A MINIMUM OF ONE FOOT (1') HORIZONTAL AND VERTICAL SEPARATION FROM ALL OTHER UTILITIES.

WATER SERVICE (PWSA):
CONTRACTOR SHALL COORDINATE WITH PWSA ON THE INSTALLATION AND CONSTRUCTION OF THE TWO (2) FIRE/DOMESTIC SPLIT WATER TAPS (OF DOMESTIC AND FIRE). PWSA WILL TAP THE MAIN, INSTALL VALVE AT THE PROPERTY LINE, AND PROVIDE THE METER. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF METER, VAULT, ALL VALVING, AND SERVICE LATERALS TO THE BUILDING. THE CONTRACTOR SHALL COORDINATE WITH PWSA FOR INSPECTION PRIOR TO CONNECTION TO THE MAINLINE AND BACKFILLING. THERE SHALL BE A MINIMUM OF THREE FOOT HORIZONTAL SEPARATION BETWEEN THE WATERLINE AND ALL OTHER UTILITIES. CONTRACTOR TO PROVIDE SADDLE TAP, BUT PWSA WILL MAKE THE ACTUAL TAP.

OAKLAND PRIDE HOUSING
FORBES AVENUE
PITTSBURGH, PA 15213
PREPARED FOR:
AFFIRMATIVE INVESTMENTS
33 UNION STREET, 2ND FLOOR
BOSTON, MA 02108



- 1
C702 2.5 LAYERS STORMBRIXX DETENTION TANK
- 7
C702 BASIN ACCESS
- 8
C702 OUTLET CONTROL STRUCTURE 1
- 6
C600 PROPOSED TRENCH DRAIN

CRAFT AVENUE 50.06'

SR 2108 FORBES AVENUE 74.07'



Know what's below.
Call before you dig.

Serial No. 20230473337



GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.

P:\Bim & File\name\Projects\170201\78 18 Oakland Pride Design\Utility\23-Sherwin-C300 UTILITY PLAN.dwg
 Save Date: 10/25/2023 7:46 AM
 User: Dallen

EXHIBIT I.
Sewage Flow Calculations

Anticipated Sewage Flow Calculations

Oakland Pride Housing

Forbes Avenue and Craft Avenue, Pittsburgh, PA 15213

Peak Proposed Flow

Office Space = 2,788 SF [includes Bonus Room (314 SF), Community Room (772 SF), and 6th Floor Lounge (905 SF)]

Apartment, One-Bedroom = 42 units

Apartment, Two-Bedroom = 6 units

Water Use and Sanitary Flows from Table 1 of Section 3 within the PWSA Developer's Manual¹:

Office = 10 GPD/employee

Apartment, One-Bedroom = 150 GPD

Apartment, Two-Bedroom = 300 GD

Maximum Floor Area Allowances per occupant²: Business area = 100 SF per occupant

Office Area= 2,788 SF

Total Number of Employees = 2,788 SF / (100 SF per employee) = 28 employees

Peak Flow Calculation:

$$[28 \text{ employees} \times (10 \text{ GPD/employee})] + [42 \text{ units} \times (150 \text{ GPD/unit})] + [6 \text{ units} \times (300 \text{ GPD})] = \underline{8,380 \text{ GPD}}$$

Net Flow

Net Sewage Flow = Peak Proposed Flow – Peak Existing Flow

Net Sewage Flow = 8,380 - 0 GPD

Net Sewage Flow = 8,380 GPD (21 EDUs)

Net Sewage Flow = Net Water Use ∴

Net Water Usage = 8,380 GPD (21 EDU's)

Sources:

¹Table 1, Section 3, PWSA Developer's Manual

²Table 1004.1.2 Maximum Floor Area Allowances per Occupant, 2015 International Building Code and Commentary Vol. 1

EXHIBIT J.
Alternatives Analysis

Alternatives Analysis

Oakland Pride Housing
3133 Forbes Avenue, 4th Ward, City of Pittsburgh

The proposed short-term and long-term ultimate method of sanitary sewage conveyance and treatment of the total 8,380 GPD or 21 EDU peak flow from the proposed building will involve the use of adequately design storm and sanitary sewer laterals, owned and maintained by the property owner, connecting into the PWSA owned 15” combination gravity sewer system located along Forbes Avenue. This public sewer connects into ALCOSAN’s Allegheny River Interceptor (M-19) and sewage flows via gravity to the ALCOSAN Treatment Plant at Woods Run.

The project site is surrounded by commercial buildings. All 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. There are no feasible sewage facilities alternatives because access to the public sewer system is available and the proposed building and appurtenances occupy the majority of the property.

EXHIBIT K.
Sewage Facilities Planning Module – Component 4A –
Municipal Planning Agency Review



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER

DEP Code #:

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

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

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

Project Name OAKLAND PRIDE HOUSING

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

1. Date plan received by municipal planning agency 12/8/2023
2. Date review completed by agency 12/12/2023

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

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)?
<input type="checkbox"/>	<input 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: Kyla Prendergast
 Title: Senior Environmental Planner
 Signature: *Kyla Prendergast*
 Date: 12/12/2023
 Name of Municipal Planning Agency: City of Pittsburgh Department of City Planning
 Address 100 Ross St, Suite 202, Pittsburgh, PA 15219
 Telephone Number: 412-522-6551

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

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

December 19, 2023

Sean Donnelly, PM
The Gateway Engineers, Inc
100 McMorris Road
Pittsburgh PA, 15205

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
Oakland Pride Housing - City of Pittsburgh**

Mr. Donnelly:

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 December 8, 2023, and the missing document was received on December 18, 2023. The project proposes the following:

Project Description:	This project involves constructing multifamily housing structure with an underground vehicle parking area, an underground stormwater management system, new sidewalk, new pavement, new outdoor green space amenities and utility installation.
Sewage Flow:	8380 GPD
Conveyance:	Sewage from the proposed building will be conveyed by the PWSA pipes on Forbes Avenue to the Monongahela River Interceptor(M-19) and ultimately transported to the ALCOSAN treatment facilities on Wood Run Road.
Sewer's Owner:	PWSA (collection), ALCOSAN (interceptor)
Sewage Treatment Plant:	ALCOSAN

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



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



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 Drew Grese, Plumbing Program Manager at 412-578-8055.

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

Sincerely,



Issa Tijani
Environmental Health Engineer II
Water Pollution Control & Solid Waste Management

Enclosure

cc: Regis Ryan, PA Department of Environmental Protection w/attachment
Drew Grese, ACHD w/attachment

**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.

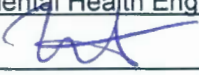
SECTION A. PROJECT NAME (See Section A of instructions)

Project Name
Oakland Pride Housing Oakland

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

1. Date plan received by county or joint county health department 12/8/2023
 Agency name Allegheny County Health Department (ACHD)
2. Date review completed by agency 12/19/2023

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. Please see attached letter.</u>
		5. Name, title and signature of person completing this section: Name: <u>Issa Tijani</u> Title: <u>Environmental Health Engineer</u> Signature: <u></u> Date: <u>12/19/2023</u> Name of County Health Department: <u>Allegheny County Health Department</u> Address: <u>3901 Penn Avenue, Building #5, Pittsburgh, PA 15224</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.