



Sewage Facilities Planning Module

East End Apartments

City of Pittsburgh,
Allegheny County, PA

Prepared for:
TWG Larimer, LLC

07/11/2023

Kimley-Horn Project Number: 112661000
©Kimley-Horn and Associates, Inc.
750 Holiday Drive, Building 9, Suite 750
Pittsburgh, PA 15220
412-218-0321

Kimley»»Horn

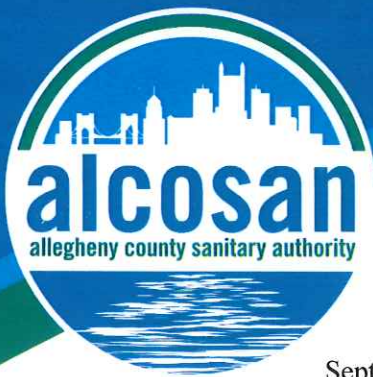
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SECTION 1

COMPONENT 3



September 28, 2023

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Kaitlin Young
Kimley-Horn Associates, Inc.
750 Holiday Drive, Bldg 9, Suite 750
Pittsburgh, PA 15220

**Re: East End Apartments
City of Pittsburgh – Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure A-42**

Dear Ms. Young,

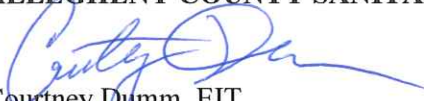
We have reviewed the Component 3 Planning Module for the referenced project to be located at 6440 Frankstown Avenue. The project will generate a peak flow of 41,190 gpd to ALCOSAN regulator structure A-42-00 in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN A-42-00 regulator structure is 28.9 MGD. The estimated peak dry weather flow for A-42-00 is approximately 6.580 MGD. Therefore, dry weather capacity exists for these connections. However, the Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN requests that this letter, which reflects the revised site address, be made part of the planning module submission. The signed Component 3 Planning Module is attached. If you have any questions regarding this matter, please contact me at 412-734-8365.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY


Courtney Dumm, EIT

Attachment

- | | | |
|-----|-----------------------------|--------------------------------------|
| cc: | C. Dean (w/o attachment) | R. Herring / PWSA (w/o attachment) |
| | L. Sanford (w/o attachment) | Mahuba Iasmin/PADEP (w/o attachment) |
| | M. Lichte (w/o attachment) | Gina Caliguri/ACHD (w/o attachment) |



Pittsburgh
Water & Sewer
Authority

April 11, 2023

Mr. Regis Ryan
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:	East End Apartments
Project Address:	6465 Hamilton Avenue Pittsburgh, PA 15206
Net Flow, gpd:	41,190
EDU's, 400gpd/EDU:	103.0

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 x5532 or RHerring@pgh2o.com.

Sincerely,

 Robert Herring
2023.04.11 10:
31:11 -04'00'

Robert Herring, PE, PMP
Senior Project Manager

cc: CityGrows – Application Number DEV-213-1222

Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh PA 15222

info@pgh2o.com
T 412.255.2423
F 412.255.2475

www.pgh2o.com
@pgh2o

Customer Service /
Emergencies:
412.255.2423

Young, Kaitlin

From: Robert Herring, PE, PMP <rherring@pgh2o.com>
Sent: Tuesday, September 26, 2023 12:56 PM
To: Young, Kaitlin
Cc: Beaves, Adele; Wendy Dean
Subject: RE: East End Apartments - Address Change
Attachments: WSUse_TapAllocationAuthorizationLetter_DEV-213-1222.pdf; East End Apartments PWSA Water and Sewer Availability.pdf

Follow Up Flag: Follow up
Flag Status: Completed

You don't often get email from rherring@pgh2o.com. [Learn why this is important](#)

Kaitlin,

It would be easiest to simply provide written confirmation. Would that work for the City? If yes...

PWSA hereby acknowledges that the address for the development changed from 6465 Hamilton Avenue to 6440 Frankstown Avenue. Please be advised that this address change does not alter in any way the previously issued Tap Allocation Authorization Letter or Water and Sewer Availability Letter.

Thanks,



Robert Herring, PE, PMP
Senior Project Manager
Office: 412.255.8800
Ext: 5532

Pittsburgh Water and Sewer Authority
1200 Penn Ave, Pittsburgh, PA 15222

<https://pgh2o.com>



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From: Young, Kaitlin <Kaitlin.Young@kimley-horn.com>
Sent: Tuesday, September 26, 2023 11:15 AM
To: Robert Herring, PE, PMP <rherring@pgh2o.com>

Cc: Beaves, Adele <Adele.Beaves@kimley-horn.com>

Subject: East End Apartments - Address Change

CAUTION: This email originated from outside the authority. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Morning Rob,

I called you yesterday and left a voicemail, but I figured it would help if I also emailed you. The City of Pittsburgh will not accept our sewer planning module as the address has changed since we first began this process. The appended letters from PWSA have the old 6465 Hamilton Avenue Address. The new address is 6440 Frankstown Avenue. The address changed as the proposed building's front is along Frankstown avenue. Is it possible to update the appended letters with the new address? I have also included the official address change for the site.

Please let me know if you have any questions or need additional information.

Thank you,

Kaitlin Young

Kimley-Horn | 750 Holiday Drive, Plaza 9, Suite 750 Pittsburgh, PA 15220

Direct: 412-218-1099 | Mobile: 724-732-5648 *Connect with us:* [Twitter](#) | [LinkedIn](#) | [Facebook](#) | [Instagram](#) | [Kimley-Horn.com](#)

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SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY

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

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name East End Apartments

2. Brief Project Description The project involves the construction of a 220-unit, 5-story apartment building and a 5-story parking garage, which includes stormwater management, utility coordination and landscaping design.

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			
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
200 Ross St	4 th Floor			
Address Last Line -- City	State		ZIP+4	
Pittsburgh	PA		15219	
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
		kyla.prendergast@pittsburghpa.gov		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

East End Apartments

Site Location Line 1
6440 Frankstown Ave

Site Location Line 2

Site Location Last Line -- City
Pittsburgh

State
PA

ZIP+4

Latitude

Longitude

Detailed Written Directions to Site Starting at 400 Waterfront Dr, head Southwest onto 30th St Bridge, turn right onto River Ave, turn left onto 31st St Bridge, merge onto PA-28 N, take exit 5A toward Pa-8 S/Sharpsburg, turn right onto Bridge St, merge onto 62nd St Bridge, turn left onto Butler St, slight right onto Baker St, turn right onto Butler St, continue onto Washington Blvd, continue onto Fifth Ave, turn right on Hamilton Ave, then right onto East Liberty Blvd and right onto Frankstown avenue, 6440 Frankstown Avenue is on the right

Description of Site There are currently two vacant buildings on the premises. Most of the site is impervious coverage, due to the existing pavement and building slabs and foundations.

Site Contact (Developer/Owner)

Last Name	First Name	MI	Suffix	Phone	Ext.
Smith	Chase			317-439-2703	

Site Contact Title

Site Contact Firm (if none, leave blank)
TWG Larimer, LLC

FAX

Email
csmith@twgdev.com

Mailing Address Line 1
1301 E. Wastington St.

Mailing Address Line 2
Suite 100

Mailing Address Last Line -- City
Indianapolis

State
IN

ZIP+4
46202

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

Last Name	First Name	MI	Suffix
Young	Kaitlin		

Title	Consulting Firm Name
Civil Analyst	Kimley-Horn

Mailing Address Line 1
750 Holiday Drive

Mailing Address Line 2
Suite 750

Address Last Line -- City
Pittsburgh

State
PA

ZIP+4
15220

Country
USA

Email	Area Code + Phone	Ext.	Area Code + FAX
kaitlin.young@kimley-horn.com	412-218-1099		

E. AVAILABILITY OF DRINKING WATER SUPPLY

The project will be provided with drinking water from the following source: (Check appropriate box)

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: Pittsburgh Water and Sewer Authority

F. PROJECT NARRATIVE (See Section F of instructions)

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

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

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

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

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

- New collection system Pump Station Force Main
 Grinder pump(s) Extension to existing collection system Expansion of existing facility

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 103

Connections 3

Name of:

existing collection or conveyance system Hamilton Avenue-15" VCP Frankstown Avenue-15" VCP

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny River Interceptor

owner The Allegheny County Sanitary Authority

2. WASTEWATER TREATMENT FACILITY

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

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

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

Name of existing facility ALCOSAN - Woods Run WWTP

NPDES Permit Number for existing facility 25984

Clean Streams Law Permit Number _____

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

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

As an authorized representative of the permittee, I confirm that the Woods Run (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 Courtney Dumm, E.I.T.

Agent Signature  Date September 5, 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.

HAMILTON AVENUE

1. Project Flows 7800 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.

<u>HAMILTON AVENUE</u>	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	1560072	5460253	7500	749000	227040	794640
Conveyance		<u>28,900,000</u>	<u>6,120,000</u>	<u>6,580,000</u>	<u>6,197,000</u>	<u>6,642,000</u>
Treatment		<u>250,000,000</u>	<u>194,200,000</u>	<u>250,000,000</u>	<u>248,700,000</u>	<u>295,000,000</u>

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 Robert Herring Date 8/23/2023
 2023-08-23
 10:12:16 -04:00'

FRANKSTOWN AVENUE

1. Project Flows 33390 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.

<u>FRANKSTOWN AVENUE</u>	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	1220785	4272748	200	114000	44217	154760
Conveyance		28,900,000	6,120,000	6,580,000	6,249,000	6,713,000
Treatment		250,000,000	144,200,000	250,000,000	243,800,000	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 8/23/2023

2023-08-23 10:14:13 -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 Courtney Dumm, E.I.T.

Agent Signature *Courtney Dumm*

Date September 5, 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 **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 Courtney Dumm, E.I.T.

Agent Signature *Courtney Dumm*

Date September 5, 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 sponser), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)

Yes No

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

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

2. Project Flows _____ 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?

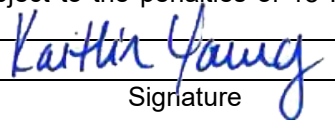
P. PUBLIC NOTIFICATION REQUIREMENT cont'd. (See Section P of instructions)

- 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.

Kaitlin Young



Name (Print)

Signature

Civil Analyst

8/14/2023

Title

Date

750 Holiday Drive, Ste 750, Pittsburgh, PA 15220

412-218-0321

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 \$5,150 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

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

$$\#103 \quad \text{Lots (or EDUs)} \times \$50.00 = \$ 5,150$$

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:

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

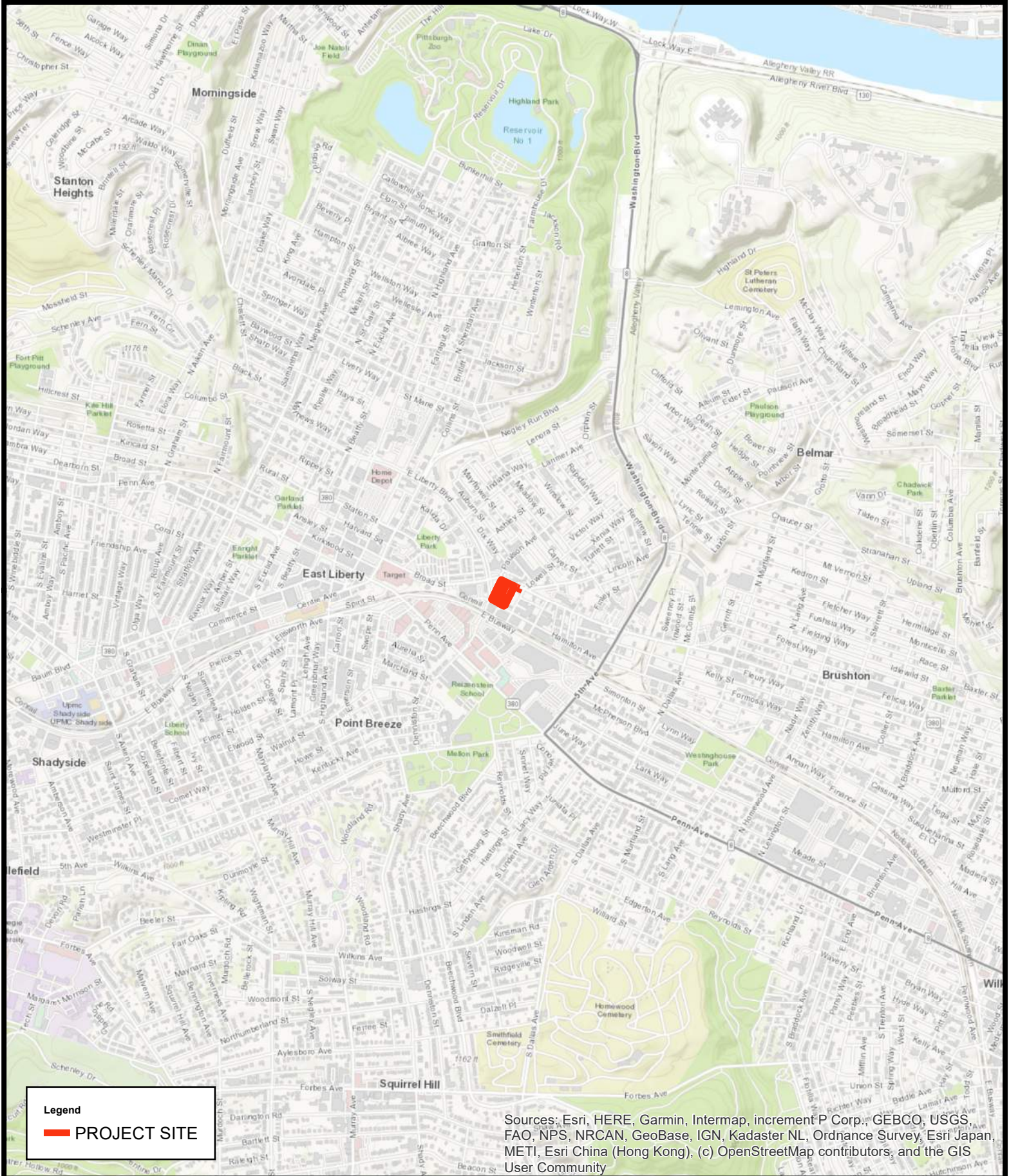
to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

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

SECTION 2

SITE LOCATION MAP



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

Legend
 PROJECT SITE

PROJECT 6440 Frankstown Ave
 City of Pittsburgh
 Allegheny County, PA



**SITE
 LOCATION
 MAP**

CREATED BY: KEY

SCALE: 1 INCH = 2,000 FEET

DATE: OCTOBER 18, 2022

PROJECT NO.: 112661000



SECTION 3

PROJECT NARRATIVE

East End Apartments

City of Pittsburgh,
Allegheny County, Pennsylvania
KHA Job No. 112661000

PROJECT NARRATIVE **Component 3, Section F**

On behalf of TWG Larimer, LLC, Kimley-Horn has prepared this narrative in accordance with Component 3, Section F of the Sewage Facilities Planning Module for the proposed East End Apartments project.

The proposed development includes a 220-unit, 5-story apartment building with a 5-story parking garage that will disturb approximately 2.5 acres. The properties are in the process of being consolidated into one. The project site bounded by Frankstown Road to the north, Enterprise St to the east, Hamilton Ave to the south, and E. Liberty Blvd to the west. A site location map is provided in Section 2.

The existing site was previously owned by Highway Equipment Company and has been developed since the 1940s. There are currently two vacant buildings on the premises. Most of the site is impervious coverage, due to the existing pavement and building slabs and foundations.

There are no streams or wetlands within the project area, thus the project does not include encroachments or disturbance to wetlands, streams, or prime agricultural lands.

PA Code Title 25, Chapter 73 category flows rates and Pittsburgh Water and Sewer Authority (PWSA) flow rates were used for the sanitary sewer flow calculations for this project. The proposed building includes 166 one-bedroom apartments, 54 two-bedroom apartments, and office/retail space that will have a max of 9 employees. The total proposed flow for the building is projected to be 41,190 gallons/day, which equates to 103 EDUs based upon the Pennsylvania Department of Environmental Protection's (PADEP) calculation of one (1) EDU equals 400 gallons/day. These calculations are provided in Section 4.

Construction is anticipated to begin in the fall of 2023 and will last approximately 2 years.

The proposed sewage disposal system is collected by the PWSA public system at Junction 125E005 to the 86" sewer main that connects to ALCOSAN'S conveyance system at the Deep Tunnel Interceptor A-42 and ultimately drains to the ALCOSAN Woods Run Treatment Plant.

SECTION 4

PROPOSED SANITARY SEWER FLOW CALCULATIONS

EAST END APARTMENTS SANITARY SEWER FLOW CALCULATION

PREPARED BY: KEY (4/11/2023)

CHECKED BY: AMB (4/11/2023)

PROJECT: 112661000

Below are the sanitary sewer flow and EDU calculations for the above-mentioned project, prepared as a supporting document to the Sewage Facilities Planning Module

Given:
DEP EDU Conversion: 400 GPD = 1 EDU

PROPOSED EDUs

Type of Establishment	Amount	Unit	Gallons/Unit/Day*	Gallons per day	EDUs
Apartment (1 bedroom) & Studio	166	bedroom	150	24,900	62
Apartment (2 bedroom)	54	bedroom	300	16,200	41
Office/Retail	9	employee	10	90	0
				Total Gallons per day	41,190

Proposed Sanitary Sewer EDUs (Based on 400 GPD / EDU): 103

EAST END APARTMENTS
SANITARY SEWER FLOW CALCULATION PER MANHOLE

PREPARED BY: KEY
 CHECKED BY: AMB
 PROJECT: 112661000

Below are the sanitary sewer flow calculations for the above-mentioned project, prepared as a supporting document to the flow monitoring data calculations for PWSA

PROPOSED FLOWS

Type of Establishment	Amount	Unit	Gallons/Unit/Day*	Gallons per day
HAMILTON AVENUE - MH125E002				
Apartment (1 bedroom) & Studio	32	bedroom	150	4,800
Apartment (2 bedroom)	10	bedroom	300	3,000
<u>Hamilton Avenue-MH125E002 Total:</u>				7,800
FRANKSTOWN AVENUE - MH125A008				
Apartment (1 bedroom) & Studio	134	bedroom	150	20,100
Apartment (2 bedroom)	44	bedroom	300	13,200
Office/Retail	9	employee	10	90
<u>Frankstown Avenue-MH125A008 Total:</u>				33,390
Total Gallons per day				41,190

EAST END APARTMENTS
SANITARY SEWER FLOW CALCULATION

PREPARED BY: KEY

CHECKED BY: AMB

PROJECT: 112661000

PWSA Manhole: MH125E002

Existing Sewer Calculations

Average & Peak

Flow Monitoring Data Provided by Drnach Environmental

Existing Pipe Flow, $Q_{ex,avg}$	0.0075	MGD	7500	gpd
Existing Pipe Flow, $Q_{ex,peak}$	0.749	MGD	749000	gpd

EAST END APARTMENTS SANITARY SEWER FLOW CALCULATION

PREPARED BY: KEY

CHECKED BY: AMB

PROJECT: 112661000

PWSA Manhole: MH125E002

Peak Design Capacity

Diameter	1.25 feet	D	
Radius	0.625 feet	r	
Slope of Sewer	0.0227 ft/ft	S	
Manning's n/Type of Pipe	0.015 VCP	n	
Combined Sewer Peaking Factor	3.5		

Utilize equations for Full Flow Pipe Flow Parameters

Area	$A = \frac{\pi D^2}{4}$	A	1.23 sq.ft
Wetted Perimeter	$P = 2\pi r$	P	3.93 feet
Hydraulic Radius	$R = \frac{A}{P}$	R	0.31 feet
Peak Pipe Flow	$Q_{d,peak} = \frac{1.489}{n} AR^{2/3} S^{1/2}$		

Peak Design Pipe Flow, $Q_{d,peak}$	8.448 cfs	3791.84 gpm	5460253 gpd
Average Design Flow	$Q_{d,avg} = \frac{Q_{d,peak}}{3.5}$		
Average Design Pipe Flow, $Q_{d,avg}$	2.414 cfs	1083.38 gpm	1560072 gpd

EAST END APARTMENTS SANITARY SEWER FLOW CALCULATION

PREPARED BY: KEY

CHECKED BY: AMB

PROJECT: 112661000

PWSA Manhole: MH125E002

Projected Sewer Calculations

Summary of Design and Existing Pipe Flows

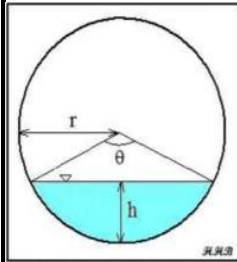
Proposed Project Flow, Q_p	7800	gpd
Average Design Pipe Flow, $Q_{d,avg}$	1560072	gpd
Peak Design Pipe Flow, $Q_{d,peak}$	5460253	gpd
Existing Pipe Flow, $Q_{ex,avg}$	7500	gpd
Existing Pipe Flow, $Q_{ex,peak}$	749000	gpd
<u>Projected Flows in 5 Years</u>		
Combined Sewer Peaking Factor	3.5	
Projected Peak Flow, $Q_{proj,peak}$	$Q_{proj,peak} = (Q_{ex,peak} + Q_p) * 1.05$	794640 gpd
Projected Average Flow, $Q_{proj,avg}$	$Q_{proj,avg} = \frac{Q_{proj,peak}}{3.5}$	227040 gpd

Sewage Facilities Planning Module
Chapter 94 Consistency Determination
Hydraulic Calculations Spreadsheet for Flow Monitoring

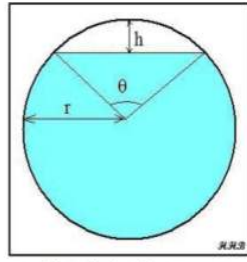
PROJECT NAME: 213 - East End Apartments
PWSA PROJECT NUMBER: 213 - MH125E002
PWSA REVIEWER: Shannon Connell
DATE: July 31, 2023

LEGEND: Input Data Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters
(Less Than Half Full)



Partially Full Pipe Flow Parameters
(More Than Half Full)

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

$$Q = \left(\frac{1.49}{n}\right) \times A \times R^{2/3} \times S^{1/2}$$

$$R = \frac{A}{P}$$

$$\theta = 2 \times \cos^{-1} \left(\frac{r - h}{r} \right)$$

$$A_{<50\% Full} = \frac{r^2(\theta - \sin \theta)}{2}$$

OR

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

$$P_{<50\% Full} = r \times \theta$$

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q _p	7,800	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.0227	ft/ft
h	0.244	ft
D	1.25	ft
P.F.	3.5	unitless

Section C: Calculations for Design and/or Permitted Capacities

Variable	Description	Definition
Q _{d, avg}	Design Capacity, Average	= full pipe flow conditions / peaking factor
Q _{d, peak}	Design Capacity, Peak	full pipe flow conditions

Design Capacity, Average		
Variable	Value	Unit
Q _{d, avg}	1,561,812	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	1.250	ft
r	0.625	ft
A	1.227	ft ²
P	3.927	ft
R	0.313	ft
Q _{d, peak}	8	cfs
Q _{d, peak}	5,466,341	gpd

Section D: Calculations for Present Flows

Variable	Description	Definition
Q _{ex, avg}	Present Flows, Average	determined via flow monitoring data
Q _{ex, peak}	Present Flows, Peak	determined via flow monitoring data

Present Flows, Average		
Variable	Value	Unit
Q _{ex, avg}	7,500	gpd

Present Flows, Peak		
Variable	Value	Unit
Q _{ex, peak}	749,000	gpd

Section E: Calculations for Projected Flows in Five (5) Years

Variable	Description	Definition
Q _{proj, avg}	Projected Flows in Five (5) Years, Average	= Q _{proj, peak} ÷ P.F.
Q _{proj, peak}	Projected Flows in Five (5) Years, Peak	= (Q _{ex, peak} + Q _p) x 1.05

Projected Flow Calculations		
Variable	Value	Unit
Q _{proj, avg}	227,040	gpd
Q _{proj, peak}	794,640	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
Q _{d, avg}	1,561,812	1,560,072	1,739	0%
Q _{d, peak}	5,466,341	5,460,253	6,087	0%
Q _{ex, avg}	7,500	7,500	0	0%
Q _{ex, peak}	749,000	749,000	0	0%
Q _{proj, avg}	227,040	227,040	0	0%
Q _{proj, peak}	794,640	794,640	0	0%

EAST END APARTMENTS
SANITARY SEWER FLOW CALCULATION

PREPARED BY: KEY

CHECKED BY: AMB

PROJECT: 112661000

PWSA Manhole: MH125A008

Existing Sewer Calculations

Average & Peak

Flow Monitoring Data Provided by Drnach Environmental

Existing Pipe Flow, $Q_{ex,avg}$	0.0002	MGD	200	gpd
Existing Pipe Flow, $Q_{ex,peak}$	0.114	MGD	114000	gpd

EAST END APARTMENTS SANITARY SEWER FLOW CALCULATION

PREPARED BY: KEY

CHECKED BY: AMB

PROJECT: 112661000

PWSA Manhole: MH125A008

Peak Design Capacity

Diameter	1.25 feet	D	
Radius	0.625 feet	r	
Slope of Sewer	0.0139 ft/ft	S	
Manning's n/Type of Pipe	0.015 VCP	n	
Combined Sewer Peaking Factor	3.5		

Utilize equations for Full Flow Pipe Flow Parameters

Area	$A = \frac{\pi D^2}{4}$	A	1.23 sq.ft
Wetted Perimeter	$P = 2\pi r$	P	3.93 feet
Hydraulic Radius	$R = \frac{A}{P}$	R	0.31 feet
Peak Pipe Flow	$Q_{d,peak} = \frac{1.489}{n} AR^{2/3} S^{1/2}$		

Peak Design Pipe Flow, $Q_{d,peak}$	6.610 cfs	2967.19 gpm	4272748 gpd
Average Design Flow	$Q_{d,avg} = \frac{Q_{d,peak}}{3.5}$		
Average Design Pipe Flow, $Q_{d,avg}$	1.889 cfs	847.77 gpm	1220785 gpd

EAST END APARTMENTS SANITARY SEWER FLOW CALCULATION

PREPARED BY: KEY

CHECKED BY: AMB

PROJECT: 112661000

PWSA Manhole: MH125A008

Projected Sewer Calculations

Summary of Design and Existing Pipe Flows

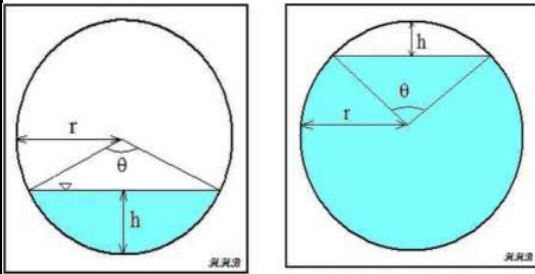
Proposed Project Flow, Q_p		33390	gpd
Average Design Pipe Flow, $Q_{d,avg}$		1220785	gpd
Peak Design Pipe Flow, $Q_{d,peak}$		4272748	gpd
Existing Pipe Flow, $Q_{ex,avg}$		200	gpd
Existing Pipe Flow, $Q_{ex,peak}$		114000	gpd
<u>Projected Flows in 5 Years</u>			
Combined Sewer Peaking Factor	3.5		
Projected Peak Flow, $Q_{proj,peak}$	$Q_{proj,peak} = (Q_{ex,peak} + Q_p) * 1.05$	154760	gpd
Projected Average Flow, $Q_{proj,avg}$	$Q_{proj,avg} = \frac{Q_{proj,peak}}{3.5}$	44217	gpd

Sewage Facilities Planning Module
Chapter 94 Consistency Determination
Hydraulic Calculations Spreadsheet for Flow Monitoring

PROJECT NAME: 213 - East End Apartments
PWSA PROJECT NUMBER: 213 - MH125A008
PWSA REVIEWER: Shannon Connell
DATE: July 5, 2023

LEGEND: Input Data Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters (Less Than Half Full) Partially Full Pipe Flow Parameters (More Than Half Full)

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

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

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

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q _p	33,390	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.0139	ft/ft
h	0.0300	ft
D	1.25	ft
P.F.	3.5	unitless

Section C: Calculations for Design and/or Permitted Capacities

Variable	Description	Definition
----------	-------------	------------

$Q_{d, avg}$	Design Capacity, Average	= full pipe flow conditions / peaking factor
$Q_{d, peak}$	Design Capacity, Peak	full pipe flow conditions

Design Capacity, Average		
Variable	Value	Unit
$Q_{d, avg}$	1,222,146	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	1.250	ft
r	0.625	ft
A	1.227	ft ²
P	3.927	ft
R	0.313	ft
$Q_{d, peak}$	7	cfs
$Q_{d, peak}$	4,277,511	gpd

Section D: Calculations for Present Flows

Variable	Description	Definition
$Q_{ex, avg}$	Present Flows, Average	determined via flow monitoring data
$Q_{ex, peak}$	Present Flows, Peak	determined via flow monitoring data

Present Flows, Average		
Variable	Value	Unit
$Q_{ex, avg}$	200	gpd

Present Flows, Peak		
Variable	Value	Unit
$Q_{ex, peak}$	114,000	gpd

Section E: Calculations for Projected Flows in Five (5) Years

Variable	Description	Definition
$Q_{proj, avg}$	Projected Flows in Five (5) Years, Average	= $Q_{proj, peak} \div P.F.$
$Q_{proj, peak}$	Projected Flows in Five (5) Years, Peak	= $(Q_{ex, peak} + Q_p) \times 1.05$

Projected Flow Calculations		
Variable	Value	Unit
$Q_{proj, avg}$	44,217	gpd
$Q_{proj, peak}$	154,760	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
$Q_{d, avg}$	1,222,146	1,220,785	1,361	0%
$Q_{d, peak}$	4,277,511	4,272,748	4,763	0%
$Q_{ex, avg}$	200	200	0	0%
$Q_{ex, peak}$	114,000	114,000	0	0%
$Q_{proj, avg}$	44,217	44,217	0	0%
$Q_{proj, peak}$	154,760	154,760	0	0%

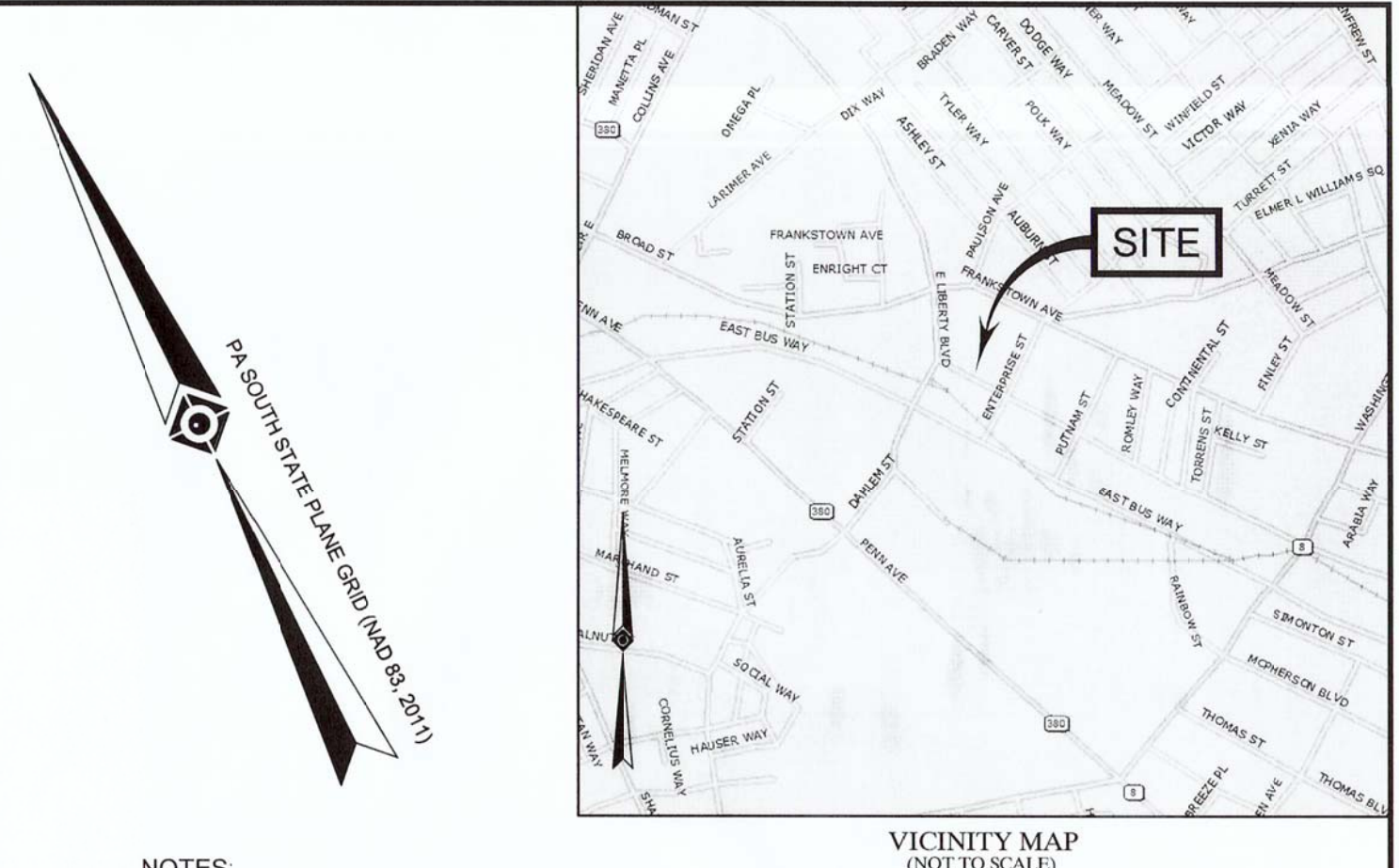
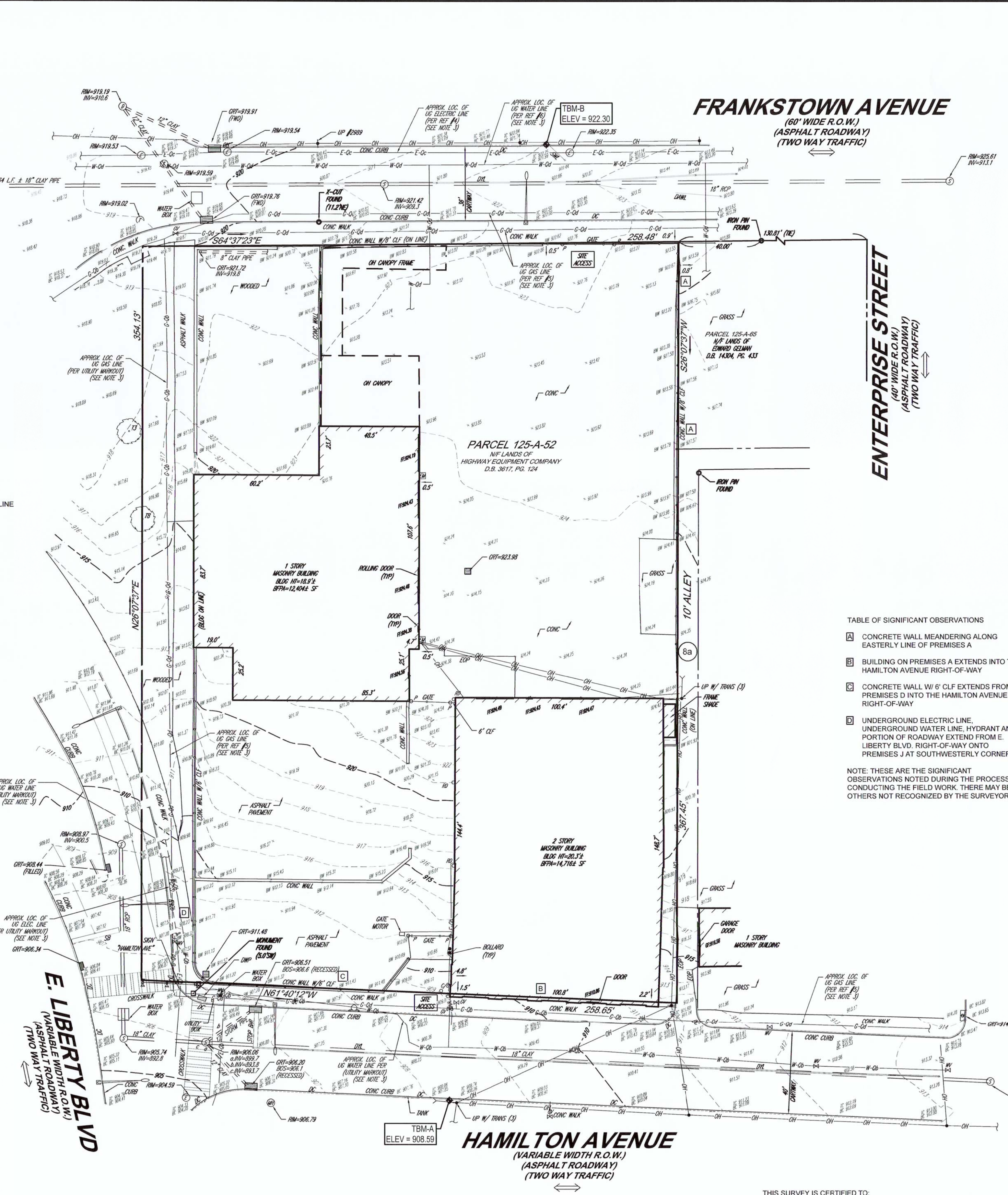
SECTION 5

EXISTING CONDITIONS PLAN

SCHEDULE C DESCRIPTION

PREMISES A: ALL THAT CERTAIN LOT OR PIECE OF LAND SITUATE IN THE TWELFTH WARD OF THE CITY OF PITTSBURGH, COUNTY OF ALLEGHENY AND COMMONWEALTH OF PENNSYLVANIA, BOUNDED AND DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT A POINT ON THE SOUTHERLY SIDE OF FRANKSTOWN AVENUE AT LINE OF LAND NOW OR FORMERLY OF ELIZABETH STONER, THENCE ALONG SAID SIDE OF FRANKSTOWN AVENUE, SOUTH 41° 23' 30" EAST, ONE HUNDRED FORTY-ONE AND THIRTY-FIVE HUNDREDTHS (114.35) FEET TO LINE OF LAND NOW OR FORMERLY OF WILLIAM SYKES, DISTANT ONE HUNDRED THIRTY AND EIGHTY ONE HUNDREDTHS (130.81) FEET WESTWARDLY FROM THE SOUTHWESTERLY CORNER OF FRANKSTOWN AVENUE AND ENTERPRISE STREET, THENCE ALONG SAID LANDS NOW OR FORMERLY OF WILLIAM SYKES AND THE WESTERLY SIDE OF A TEN (10) FOOT ALLEY, SOUTH 28° 30' 30" WEST, THREE HUNDRED SIXTY-SEVEN AND FORTY-SIX HUNDREDTHS (367.46) FEET TO HAMILTON AVENUE, THENCE ALONG THE NORTHERLY SIDE OF HAMILTON AVENUE, NORTH 01° 41' 10" WEST, ONE HUNDRED FORTY AND FORTY-FIVE HUNDREDTHS (114.45) FEET TO A TEN (10) FOOT ALLEY, THENCE ALONG THE EASTERLY SIDE OF SAID TEN (10) FOOT ALLEY AND LINE OF LANDS NOW OR FORMERLY OF ELIZABETH STONER, NORTH 38° 27' 28" EAST, THREE HUNDRED SIXTY-ONE AND FIFTY-THREE HUNDREDTHS (361.53) FEET TO THE PLACE OF BEGINNING. BEING PARCEL NO. 125-A-52

LEGEND table with symbols for existing contour, spot elevation, curb elevation, wall elevation, floor elevation, garage floor, electric line, natural gas line, water line, utility quality levels, overhead wires, manholes, catch basins, clean outs, posts, roof drains, utility poles, guy wires, street lights, traffic signals, warning pads, signs, bollards, chain link fence, pavement, typical, white lines, double yellow lines, height, dashed white lines, buildings, footprint area, and title report exceptions.



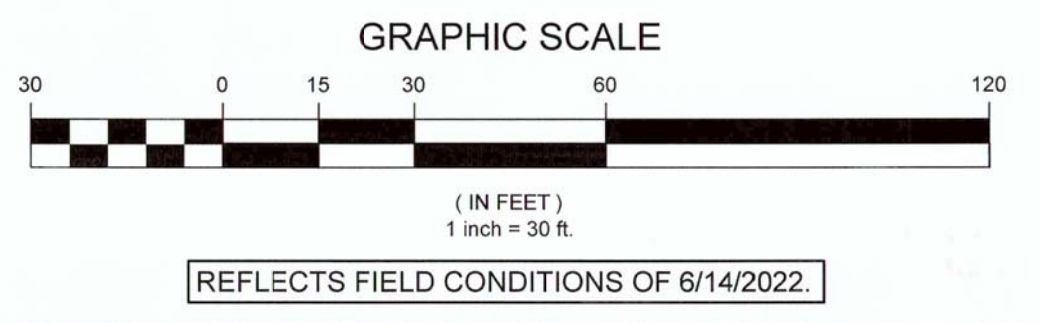
- NOTES: 1. PROPERTY KNOWN AS PARCEL 125-A-52 AS SHOWN ON THE OFFICIAL TAX MAP OF ALLEGHENY COUNTY, PENNSYLVANIA. 2. AREA = 93,250 S.F. OR 2.141 AC. 3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBESTOS PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.

- THE SOURCE OF UNDERGROUND UTILITIES ARE SHOWN UTILIZING A QUALITY LEVEL SYSTEM: QUALITY LEVEL D - UTILITIES SHOWN BASED UPON REFERENCE MAPPING OR ORAL HISTORY, NOT FIELD VERIFIED. QUALITY LEVEL C - LOCATION OF UTILITY SURFACE FEATURES SUPPLEMENTS REFERENCE MAPPING, INCLUDES MARKOUT BY OTHERS. QUALITY LEVEL B - UTILITY LOCATION DATA IS COLLECTED THROUGH GEOPHYSICAL SENSING TECHNOLOGY TO SUPPLEMENT SURFACE FEATURES AND OR REFERENCE MAPPING, INCLUDES MARKOUT BY CONTROL POINT ASSOCIATES, INC. QUALITY LEVEL A - HORIZONTAL AND VERTICAL LOCATION OF UTILITIES ARE OBTAINED USING VACUUM EQUIPMENT EXCAVATION OR OTHER METHODS TO EXPOSE THE UTILITY. LOCATION SHOWN AT SINGLE POINT WHERE EXCAVATION OCCURRED UNLESS UTILITY WAS LOCATED PRIOR TO FILLING.
- 4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY CLIENT, A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
- 5. THIS SURVEY IS PREPARED WITH INTENTENCE TO A TITLE COMMITMENT PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NO. NCS-1127839-INDY, WITH A COMMITMENT DATE OF 05-05-2022, WHERE THE FOLLOWING SURVEY RELATED EXCEPTIONS APPEAR IN SCHEDULE B, SECTION II: a) SUBJECT TO ALL MATTERS SHOWN ON THE PLAN AS RECORDED IN THE RECORDER'S OFFICE OF ALLEGHENY COUNTY, PENNSYLVANIA IN THE FOLLOWING DOCUMENTS: a) PLAN BOOK VOLUME 3 PAGE 163 - 10' WIDE ALLEY, NOT SHOWN, VACATED PER ORDINANCE NO. 321 b) PLAN BOOK VOLUME 87 PAGE 118 - IS NOT ON AND DOES NOT TOUCH SURVEYED PROPERTY. c) COVENANTS AND RESTRICTIONS AS SET FORTH IN DEED BOOK VOLUME 15433 PAGE 308 (PER TITLE COMMITMENT - AFFECTS PREMISES J) - NOT SURVEY RELATED.

TABLE OF SIGNIFICANT OBSERVATIONS: 1. CONCRETE WALL MEANDERING ALONG EASTERLY LINE OF PREMISES A. 2. BUILDING ON PREMISES A EXTENDS INTO THE HAMILTON AVENUE RIGHT-OF-WAY. 3. CONCRETE WALL W/ 6" CLF EXTENDS FROM PREMISES D INTO THE HAMILTON AVENUE RIGHT-OF-WAY. 4. UNDERGROUND ELECTRIC LINE, UNDERGROUND WATER LINE, HYDRANT AND PORTION OF ROADWAY EXTEND FROM E. LIBERTY BLVD, RIGHT-OF-WAY ONTO PREMISES J AT SOUTHWESTERLY CORNER.

NOTE: THESE ARE THE SIGNIFICANT OBSERVATIONS NOTED DURING THE PROCESS OF CONDUCTING THE FIELD WORK. THERE MAY BE OTHERS NOT RECOGNIZED BY THE SURVEYOR.

- REFERENCES: 1. THE OFFICIAL TAX ASSESSOR'S MAP OF ALLEGHENY COUNTY, PENNSYLVANIA, MAP ID #0125-A. 2. MAP ENTITLED 'NATIONAL FLOOD INSURANCE PROGRAM, FIRM FLOOD INSURANCE RATE MAP ALLEGHENY COUNTY, PENNSYLVANIA, (ALL JURISDICTIONS), PANEL 358 OF 556', MAP NUMBER 402030358H, EFFECTIVE DATE: 09-26-2014. 3. MAP ENTITLED 'MELLON'S PLAN OF STATION LOTS AT EAST LIBERTY, H.J. MOORE, NOW 11 & 12TH WARDS', SAID MAP RECORDED AS PLAN BOOK VOLUME 3, PAGE 163 IN THE OFFICE OF THE DEPARTMENT OF REAL ESTATE OF ALLEGHENY COUNTY ON MARCH 12, 1867. 4. MAP SHOWING ELECTRIC FACILITIES IN THE AREA PROVIDED BY DUQUESNE LIGHT COMPANY UNDERGROUND DEPARTMENT. 5. MAP SHOWING GAS FACILITIES IN THE AREA PROVIDED BY PNGC. 6. MAP SHOWING WATER FACILITIES IN THE AREA PROVIDED BY PG&H. 7. MAP ENTITLED 'LOT CONSOLIDATION PLAN, PARCELS 125-A-38, 125-A-39, 125-A-40, 125-A-41, 125-A-43, 125-A-44, 125-A-45, 125-A-46, 125-A-49, 125-A-48, 125-A-50, 125-A-52 & 125-E-12, 6465 HAMILTON AVENUE, CITY OF PITTSBURGH, COUNTY OF ALLEGHENY, COMMONWEALTH OF PENNSYLVANIA' PREPARED BY CONTROL POINT ASSOCIATES, INC., FILE NO. 02-202215-00, DATED 2/17/2023, RECORDED IN PLAN BOOK 317, PG. 173.



THIS SURVEY IS CERTIFIED TO: TWG LARIMER, LLC, AN INDIANA LIMITED LIABILITY COMPANY FIRST AMERICAN TITLE INSURANCE COMPANY

Professional seal and signature of James C. Weed, Pennsylvania Professional Land Surveyor #75250. Includes text: 'THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALL LANDS' LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 6(a), 7(a), 7(b)(1), 7(c), 9, 11(a), & 13 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 06-14-2022.'

Table with 5 columns: No., REVISED PER LOT CONSOLIDATION APPROVAL, N/A, J.A.A., J.C.W., 9/25/2023. Includes field date (06-14-2022), field book no (21-14), field crew (RSG), and project name (ALTANSPS LAND TITLE SURVEY TWG LARIMER, LLC).

CONTROL POINT ASSOCIATES, INC. ALL RIGHTS RESERVED. ORIGINAL PROJECT OR THE PURPOSE OF THIS SURVEY IS TO BE USED FOR THE PURPOSE OF THE SURVEY. THE SURVEYOR'S ORIGINAL INTENT, WITHOUT THE WRITTEN PERMISSION OF CONTROL POINT ASSOCIATES, INC. IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

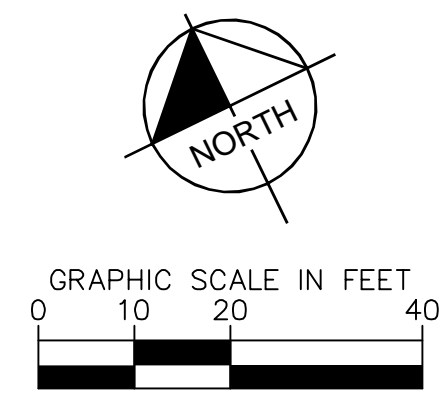
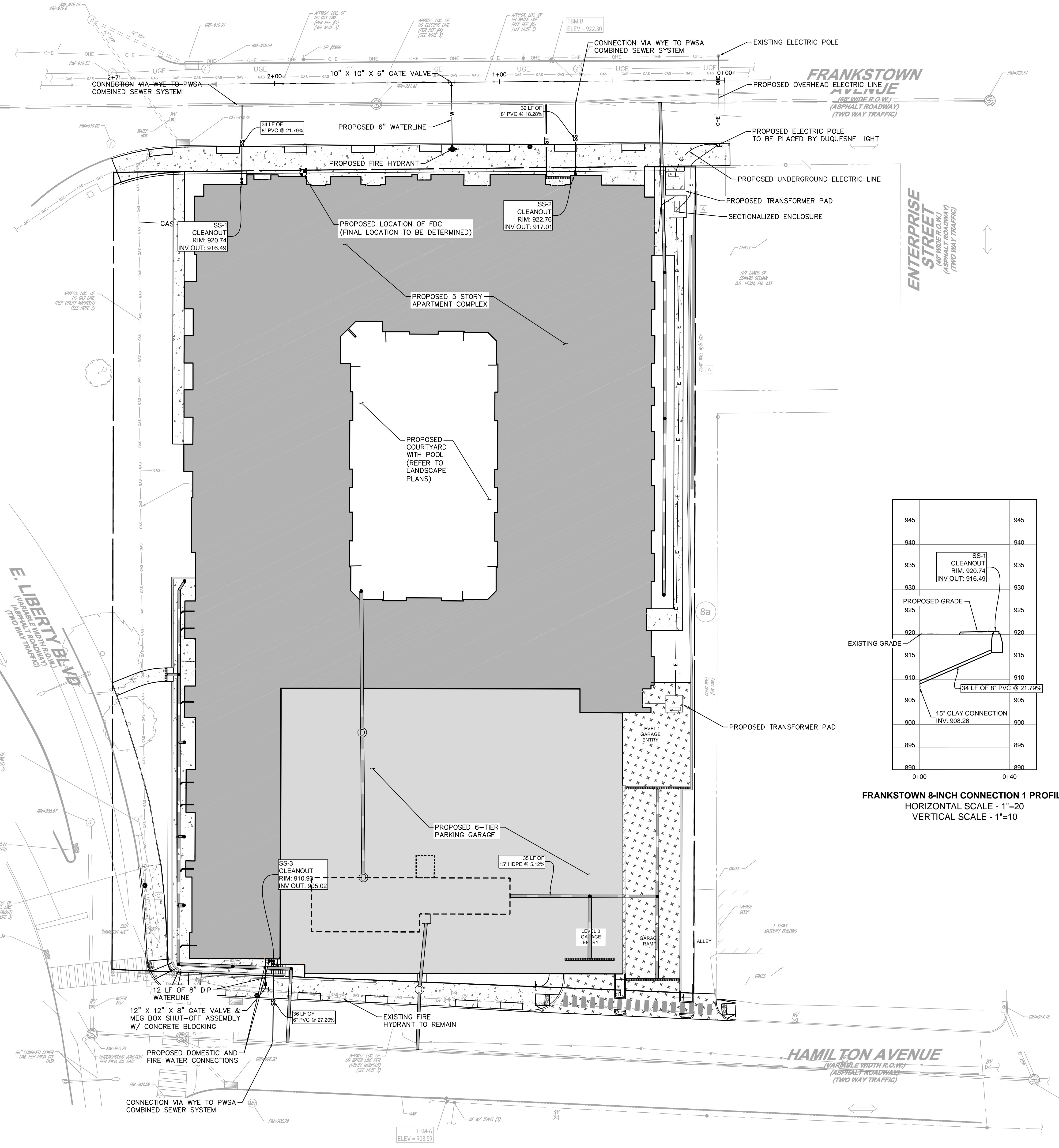


THE COMMONWEALTH OF PENNSYLVANIA REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

SECTION 6

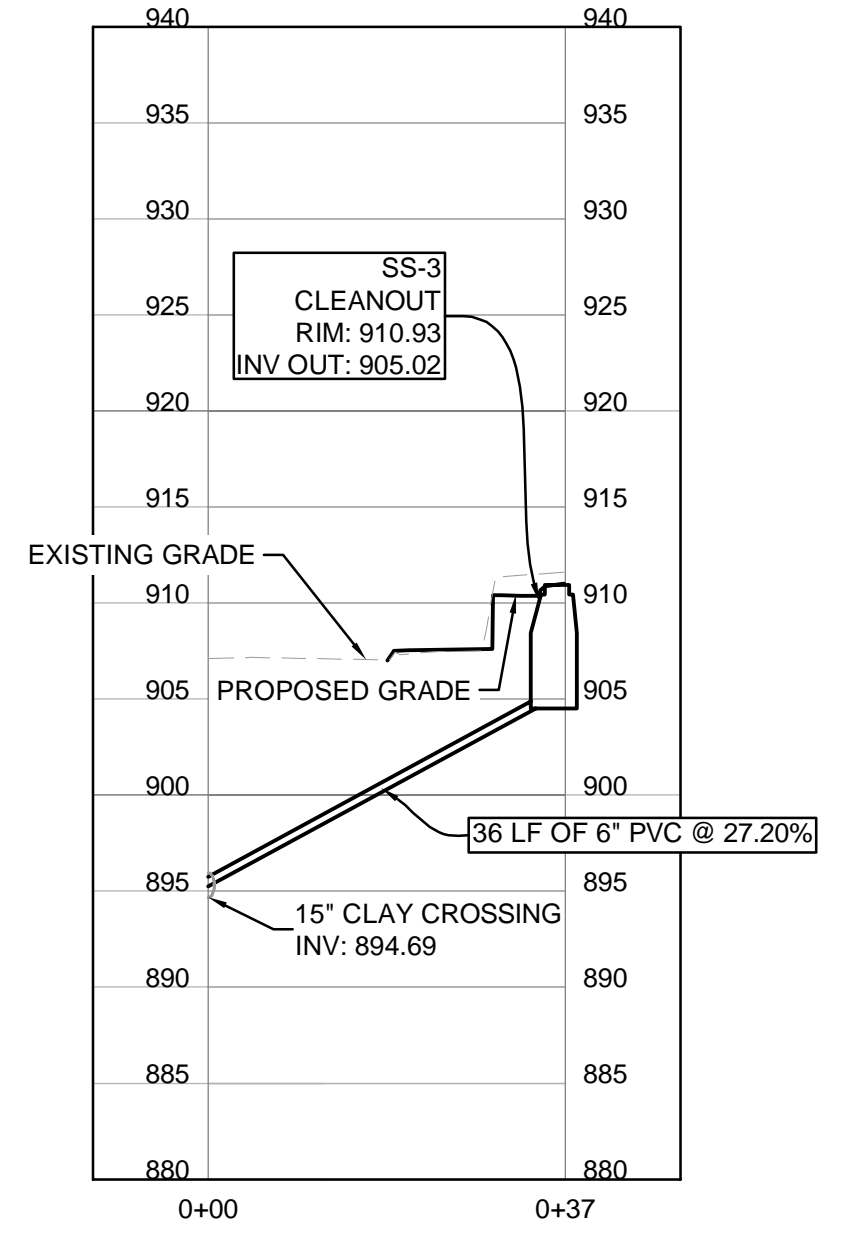
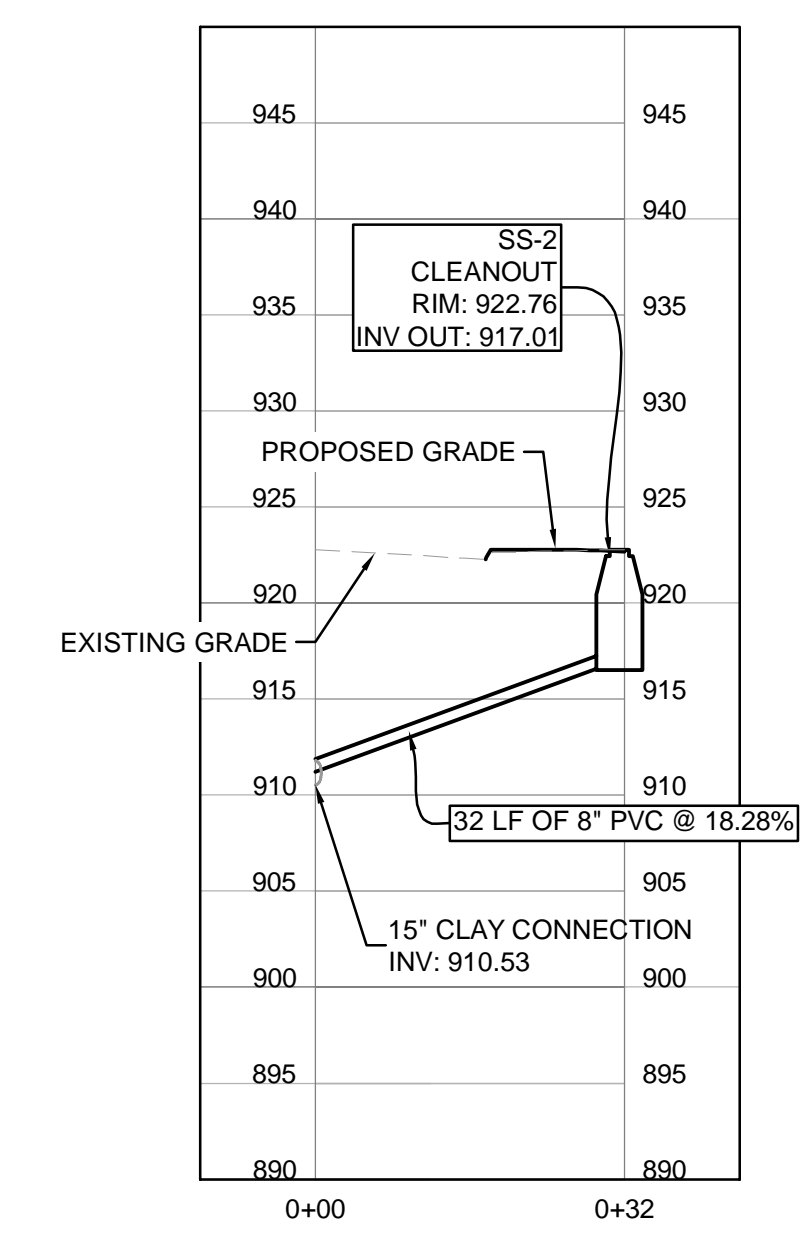
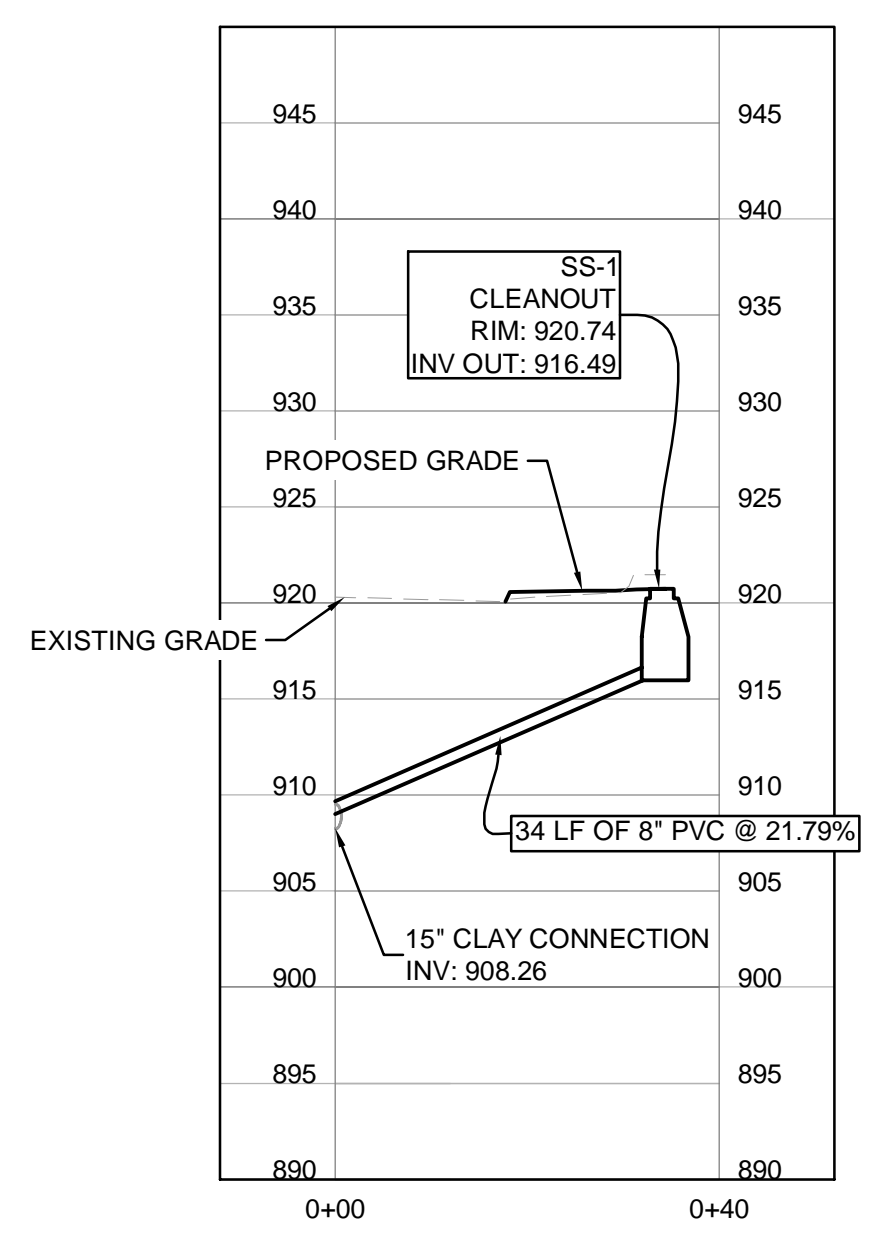
PROPOSED UTILITY PLAN

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse or other improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



— W —	W	WATER LINE
— SS —	SS	SANITARY SEWER
— S —	S	STORM SEWER
— U —	U	UNDERGROUND STORM DETENTION SYSTEM
— E —	E	UNDERGROUND ELECTRIC LINE
— OHE —	OHE	OVERHEAD ELECTRIC LINE
— GAS —	GAS	GAS LINE

NOTE:
1. SEE SHEET C301 FOR PWSA DETAILS.



PERMIT SUBMISSION



Kimley-Horn
© 2022, KIMLEY-HORN AND ASSOCIATES, INC.
750 HOLLISTERS BLVD., SUITE 750
PITTSBURGH, PA 15220
PHONE: 412-218-2210
WWW.KIMLEY-HORN.COM

UTILITY PLAN

NO.	REVISIONS	DATE	BY
1	SCHEMATIC DESIGN	11/14/2022	KEY
2	DESIGN DEVELOPMENT	02/14/2023	KEY
3	50% CONSTRUCTION DOCUMENTS	04/04/2023	KEY
4	PERMIT SUBMISSION	06/13/2023	KEY

PROJECT	NO. 112661000
DATE	06/13/2023
SCALE	AS SHOWN
DESIGNED BY	KEY
DRAWN BY	KEY
CHECKED BY	AMB

EAST END APARTMENTS
PREPARED FOR
TWG LARIMER, LLC

CITY OF PITTSBURGH
P.A.

SHEET NUMBER
C500

SECTION 7

PNDI RECIEPT

1. PROJECT INFORMATION

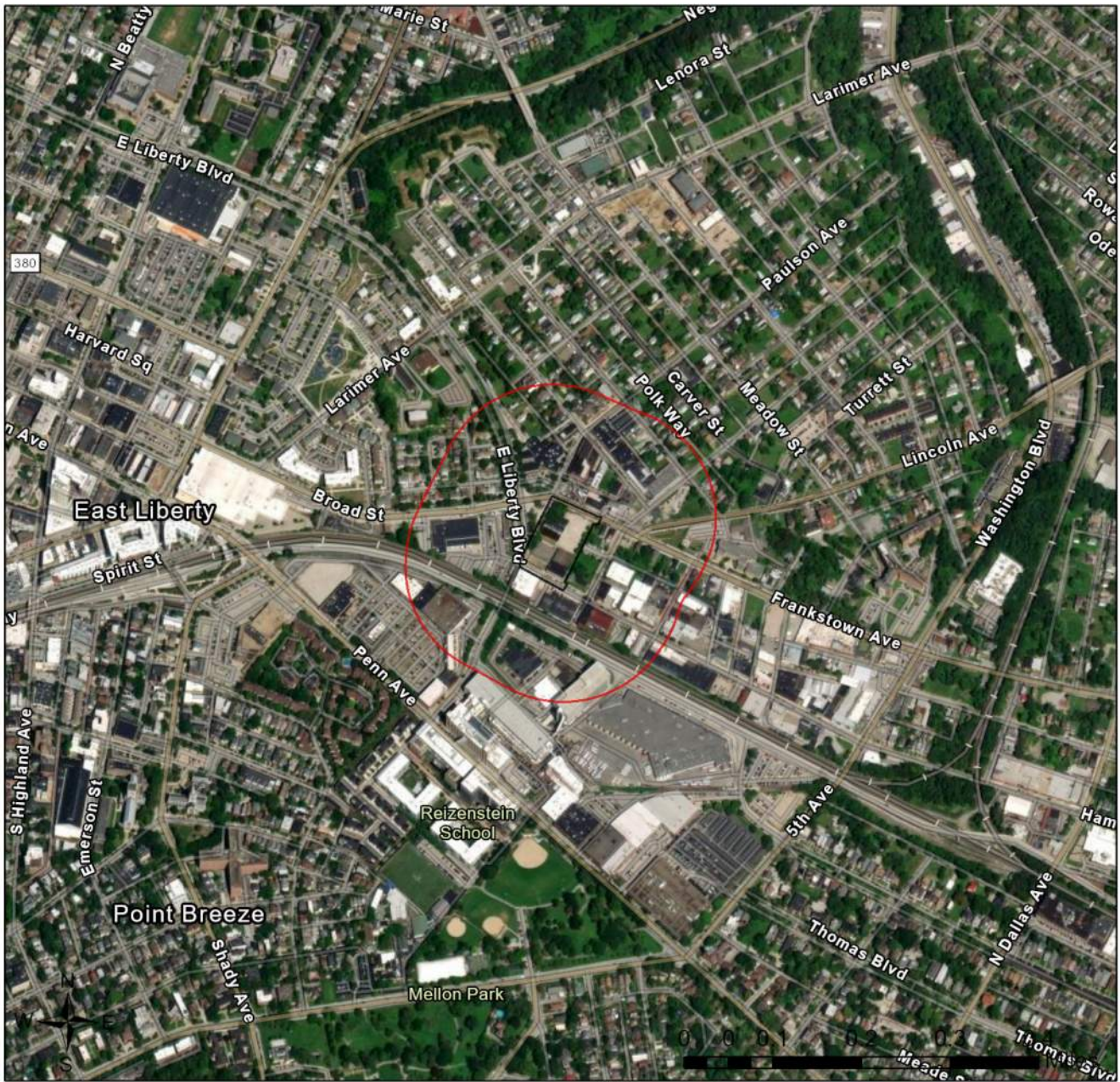
Project Name: **East End Apartments**
Date of Review: **4/11/2023 06:07:55 PM**
Project Category: **Development, Other**
Project Area: **2.71 acres**
County(s): **Allegheny**
Township/Municipality(s): **PITTSBURGH**
ZIP Code:
Quadrangle Name(s): **PITTSBURGH EAST**
Watersheds HUC 8: **Lower Allegheny**
Watersheds HUC 12: **Allegheny River-Ohio River**
Decimal Degrees: **40.460225, -79.915026**
Degrees Minutes Seconds: **40° 27' 36.8116" N, 79° 54' 54.945" 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.

East End Apartments

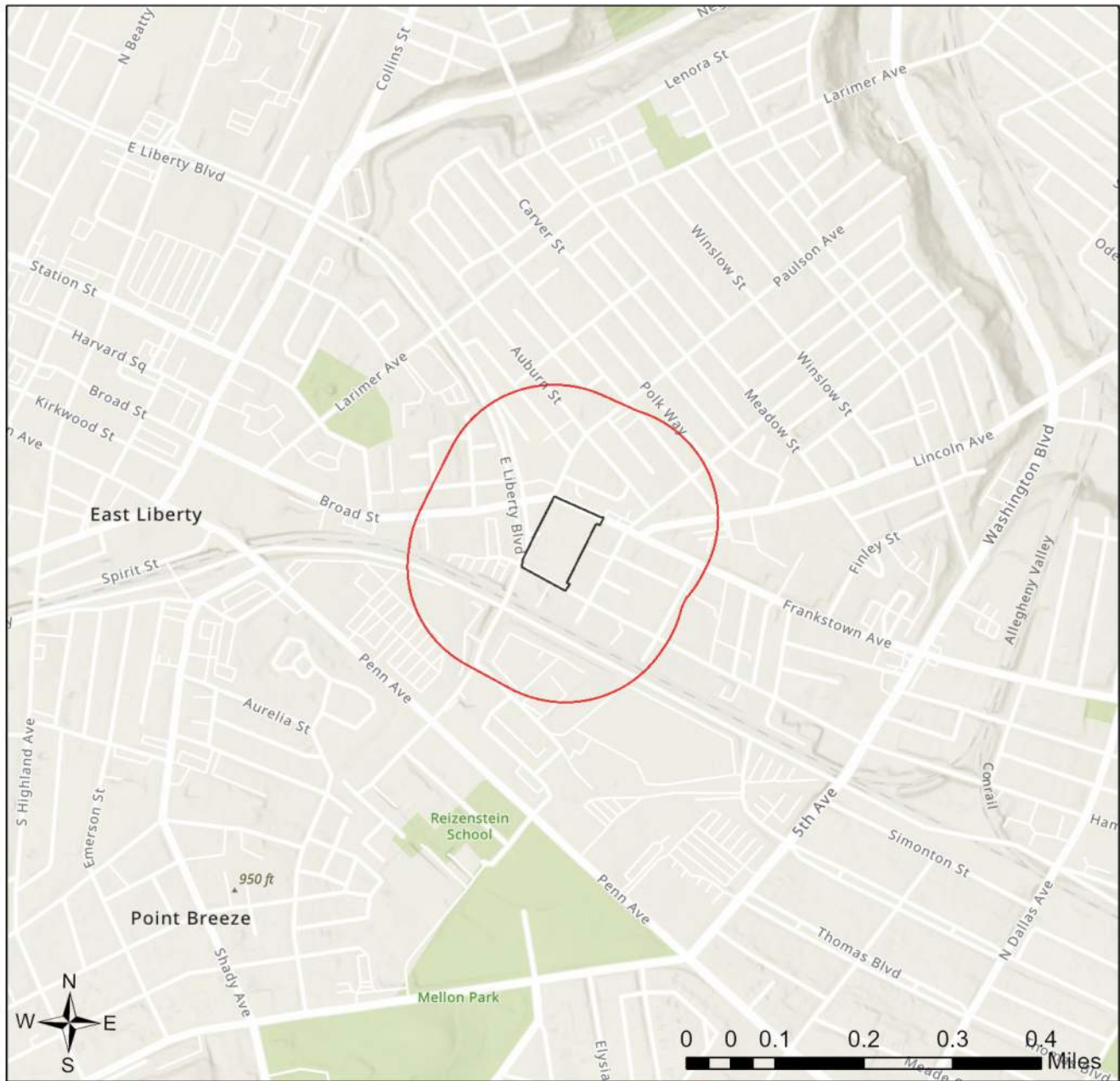




-  Buffered Project Boundary
-  Project Boundary



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

East End Apartments



-  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: No forests, woodlots or trees will be affected by the project.

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

Your answer is: No

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

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

PA Department of Conservation and Natural Resources

RESPONSE:

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

PA Fish and Boat Commission

RESPONSE:

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: Kaitlin Young
Company/Business Name: Kimley-Horn
Address: 750 Holiday Drive, Foster Plaza 9, Suite 750
City, State, Zip: Pittsburgh, PA 15220
Phone: (724) 732-5648 Fax: ()
Email: kaitlin.young@kimley-horn.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.

Kaitlin Young
applicant/project proponent signature

4/17/2023
date

SECTION 8

ALTERNATIVE SEWAGE FACILITIES ANALYSIS

East End Apartments

City of Pittsburgh,
Allegheny County, Pennsylvania
KHA Job No. 112661000

ALTERNATIVE ANALYSIS

Component 3, Section H

On behalf of TWG Larimer, LLC, Kimley-Horn has prepared this alternative analysis in accordance with Component 3, Section H of the Sewage Facilities Planning Module for the proposed East End Apartments project.

The proposed sewage disposal system is a private line onsite, which will tap into the Pittsburgh Water and Sewer Authority (PWSA) public system at two (2) locations along Frankstown Road and one (1) location along Hamilton Avenue. The PWSA public system connects to the ALCOSAN conveyance system and ultimately drains to the ALCOSAN Woods Run Treatment Plant. The proposed project will produce an increase of 41,190 gallons/day of sanitary flow, these calculations are provided in Section 4.

An onsite sewage treatment facility is not a desirable scenario for this site due to the size of the development, cost, maintenance, lack of a direct discharge and proximity to commercial oriented spaces. A septic system is not an option as infiltration of any kind is not permitted on this site.

Connecting to the existing sanitary sewer was chosen for several reasons. One, the municipal code requires a public sewer connection when available. And two, the site is within proximity of the public sewer that the municipality has already confirmed has capacity and conveyance available to the treatment plant. Therefore, there is no other option feasible other than to connect to the existing public system owned by the PWSA that is located within Frankstown Road and Hamilton Avenue.

SECTION 9

WATER SERVICE AVAILABILITY LETTER



11/09/2022

Kaitlin Young
Kimley-Horn Associates
750 Holiday Dr, Pittsburgh PA 15220-2783

RE: Water and Sewer Availability
6465 Hamilton Ave, Pittsburgh PA 15206-4038

Dear Kaitlin Young

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

12" Hamilton Avenue
10" Frankstown Avenue

15" Hamilton Avenue
15" Frankstown 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.

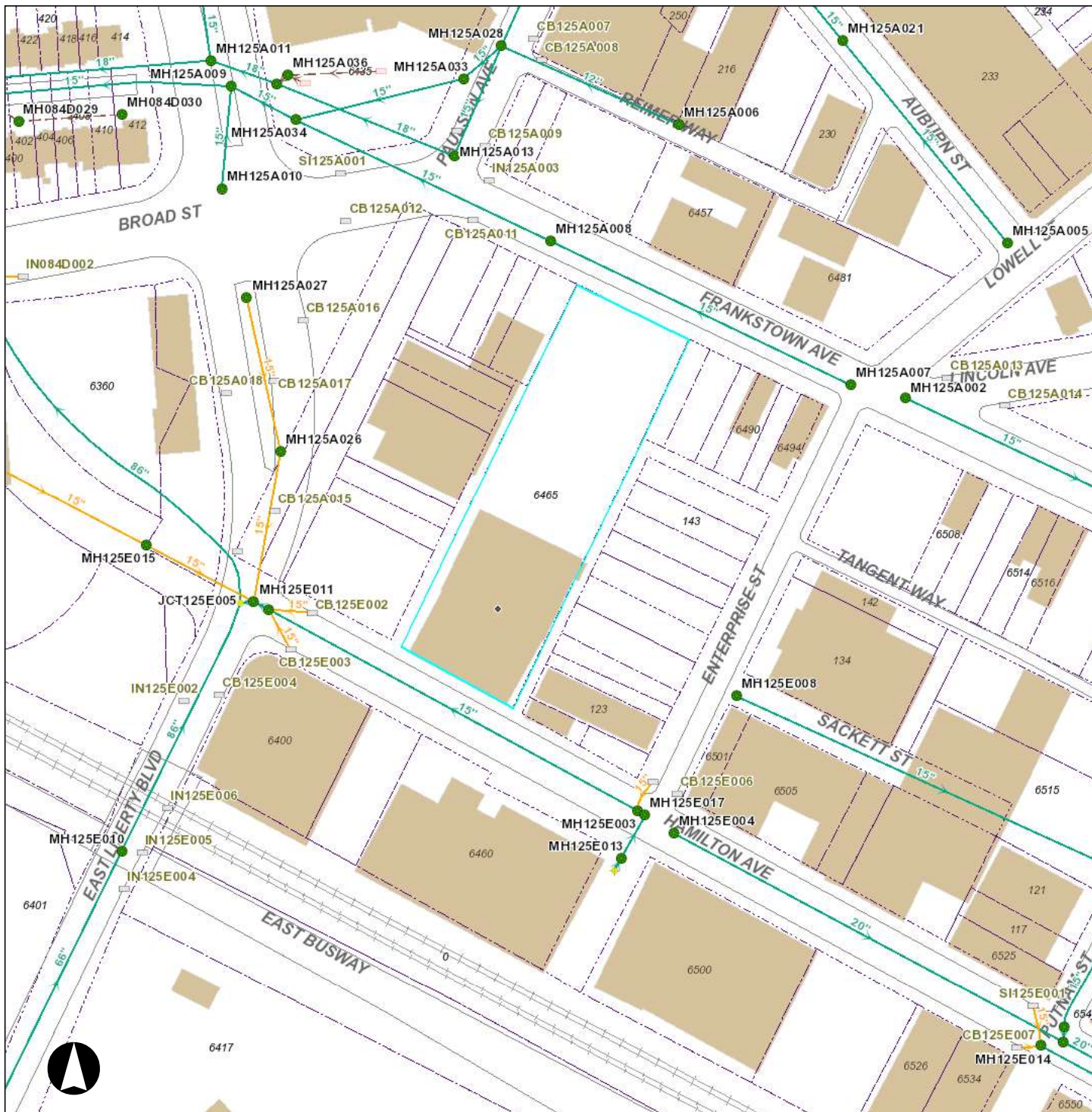
If you have any questions, please feel free to contact me at (412) 255-8800 x 8030. Thank you.

Sincerely,

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

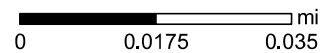
Wendy M. Dean
Engineering Tech II

6465 Hamilton Ave - Sewer



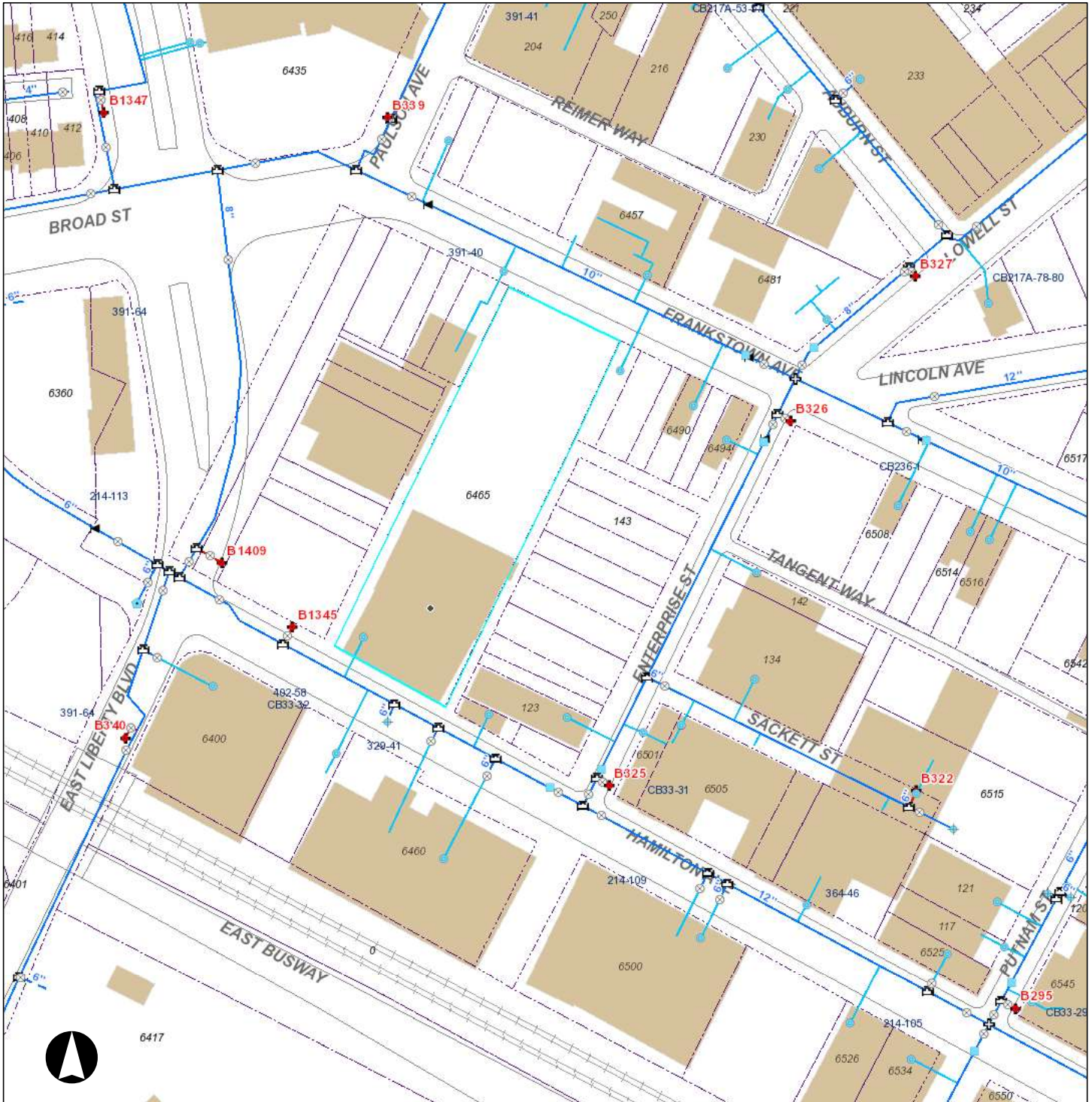
Legend

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



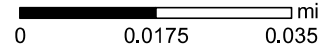
Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations 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.

6465 Hamilton Ave - Water



Legend

- | | | |
|-------------------------|-----------------------------|---|
| WATER | Pressure Monitoring Station | Private Inlet |
| Meter | Water Manhole | Outfall |
| Curb Box | Rising Main | End Cap |
| Water System Pump | Supply Main | Sewer Pump Station |
| Hydrant | Transmission Main | Combined Sewer |
| System Valve | Distribution Main | Sanitary Sewer |
| Dividing Pressure Valve | Hydrant Branch | Storm Sewer |
| Coupling | Private Main | Regulated Combined Sewer |
| Tee | Water Service Line | Overflow Sewer |
| Cross | SEWER | Interceptor |
| Reducer | Manhole | Sewer Force Main |
| End Cap | Junction | Private Sewer |
| Wash Out | Inlet | 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: 11/9/2022

SECTION 9

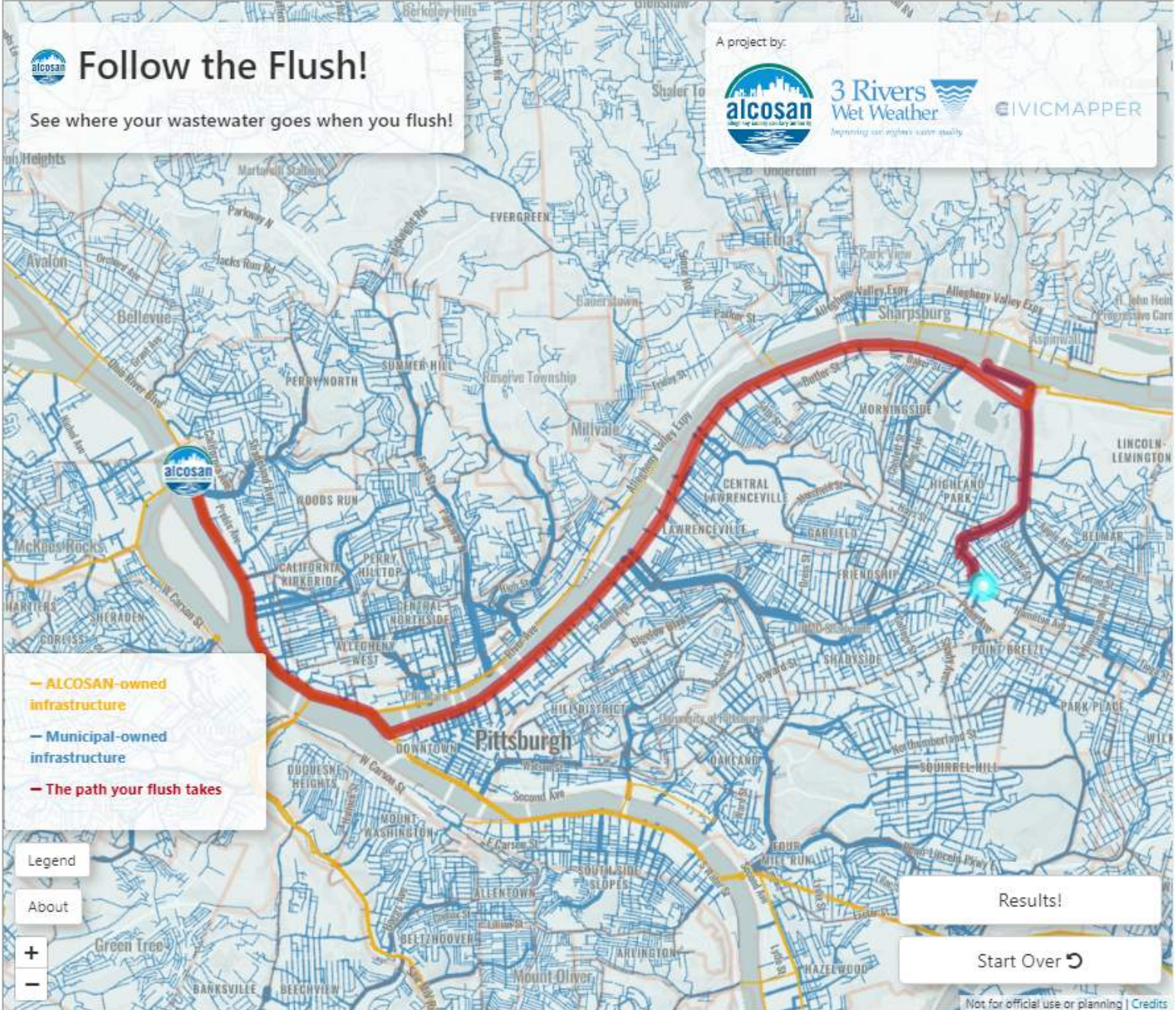
FLOW MAP



Follow the Flush!

See where your wastewater goes when you flush!

A project by:



- ALCOSAN-owned infrastructure
- Municipal-owned infrastructure
- The path your flush takes

Legend

About



Results!

Start Over ↻

Not for official use or planning | Credits

SECTION 11

PA-SHARE/SHPO DETERMINATION



Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

February 22, 2023

Kaitlin Young
Kimley-Horn
750 Holiday Drive
Suite 550
Pittsburgh PA 15220

RE: ER Project # 2023PR00836.001, East End Apartments, Department of Environmental Protection, Pittsburgh City, Allegheny County

Dear Kaitlin Young:

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Above Ground Resources

No Above Ground Concerns - Environmental Review - No Historic Properties - Above Ground

Based on the information received and available in our files, it is our opinion that there are no above ground historic properties (resources listed in or eligible for listing in the National Register) present in the project area of potential effect. Therefore, no above ground historic properties will be affected by the proposed project. Should the scope of the project change and/or new information be brought to your attention regarding historic properties located within the project area of potential effect, please reinitiate consultation with our office using PA-SHARE.

For questions concerning above ground resources, please contact Emma Diehl at emdiehl@pa.gov.

Archaeological Resources

No Archaeological Concerns - Environmental Review - No Historic Properties - Archaeological

Based on the information received and available within our files, it is our opinion that there are no archaeological historic properties (resources listed in or eligible for listing in the

National Register) present within the area of potential effect. Should the scope of the project change and/or should you be made aware of historic property concerns, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning archaeological resources, please contact Emma Diehl at emdiehl@pa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Emma Diehl".

Emma Diehl
Environmental Review Division Manager

East End Apartments

City of Pittsburgh
Allegheny County, Pennsylvania
KHA Job No. 112661000

SHPO PROJECT NARRATIVE

The proposed East End Apartment project involves the construction of a 5-story, 220-unit apartment building with a 5-story parking garage. The project area is a series of properties which currently in the process of being consolidated into one parcel. The properties are bounded by East Liberty Blvd & green space to the west, Frankstown Avenue to the north, an alley & vacant property to the east and Hamilton Avenue to the south.

The existing site was previously owned by Highway Equipment Company and has been developed since the 1940s. There are currently two vacant buildings on the premises. Most of the site is impervious coverage, due to the existing pavement and building slabs and foundations. There are no wetlands, streams, or sensitive features on or near the site.

The project will disturb 1.8 acres of the approximately 2-acre site. In addition to the apartment building and parking garage, the project will include stormwater management, utility coordination and landscaping design.

Photo No. 1



Remarks: Looking South along the Western Edge of the site.

Location: West Side of Site

Photo No. 2



Remarks: Looking East along Frankstown Avenue

Location: Northern side of the site along Frankstown Avenue

Photo No. 3



Remarks: Looking South at Existing Building

Location: From Sidewalk along Frankstown Avenue

Photo No. 4



Remarks: Looking South West at Existing Buildings on site from North East corner of site

Location: From Sidewalk along Frankstown Avenue

Photo No. 5



Remarks: Looking South West at both existing buildings.

Location: From Sidewalk along Frankstown Avenue

Photo No. 6



Remarks: Looking North at the back of the existing buildings.

Location: From Sidewalk along Hamilton Avenue

Photo No. 7



Remarks: Looking East along Building Edge on Hamilton Avenue

Location: From Sidewalk along Hamilton Avenue

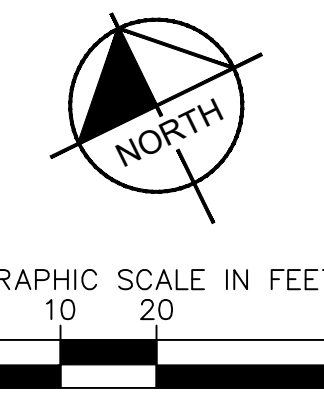
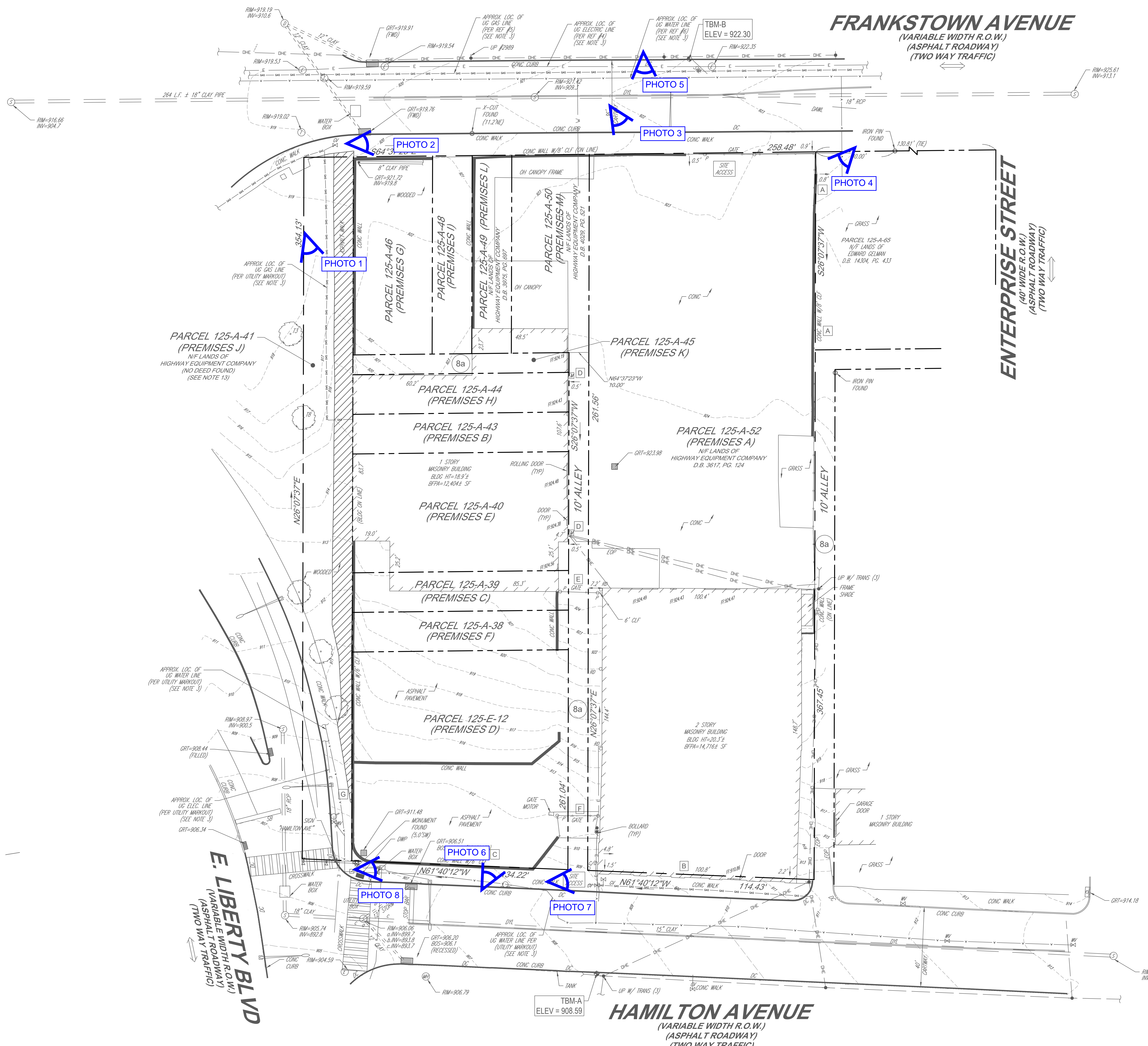
Photo No. 8



Remarks: Looking East along Sidewalk on Hamilton Avenue

Location: From Sidewalk along Hamilton Avenue

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse or distribution without authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



EXISTING LEGEND		
	GAS	APPROX. LOC. UNDERGROUND GAS LINE
	E	APPROX. LOC. UNDERGROUND ELEC. LINE
	DHE	APPROX. LOC. OVERHEAD ELEC. LINE
	S	APPROX. LOC. STORM LINE
	W	APPROX. LOC. SANITARY LINE
	W	APPROX. LOC. WATER LINE
	- - - - -	PROPERTY LINE
	▭	EXISTING BUILDING
	—	CURB
	~	EXISTING CONTOURS
	⊙	FIRE HYDRANT
	⊕	WATER VALVE
	⊖	WATER METER
	⊗	GAS VALVE
	⊙	STORM MANHOLE
	⊕	SANITARY SEWER MANHOLE
	⊖	TELEPHONE MANHOLE
	⊗	ELECTRIC MANHOLE
	⊙	STREET LIGHT
	⊕	TRAFFIC SIGNAL POLE
	⊖	STORM INLETS

- GENERAL NOTES**
- THE CONTRACTOR IS TO COORDINATE THE REMOVAL/ABANDONMENT OF ALL UTILITIES WITH THE RESPECTIVE UTILITY COMPANIES.
 - ALL DEBRIS FROM THE DEMOLISHED STRUCTURES THAT IS NOT REUSED AS FILL IS TO BE DISPOSED OF ACCORDING TO ALL APPLICABLE STANDARDS. DEMOLISHED MATERIALS REUSED AS FILL MATERIAL SHALL BE COMPLETED PER THE DIRECTION OF THE SOILS ENGINEER.
 - CONTRACTOR TO HIRE CONSULTANT TO INSPECT ALL EXISTING UTILITIES THAT ARE TO REMAIN. FINDINGS ARE TO BE SUBMITTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION OR ORDERING SO THAT A DETERMINATION CAN BE MADE AS TO THE CONDITION OF THE EXISTING LINES. ANY UTILITIES THAT FAIL TO MEET PROVIDER STANDARDS WILL NEED TO BE REPLACED.
 - ALL TEST PITS LOCATING THE EXISTING UTILITIES ARE TO BE COMPLETED PRIOR TO CONSTRUCTION OR ORDERING.
 - CONTRACTOR TO HAVE ALL UTILITIES FIELD MARKED AND THEN LOCATED BY THE SURVEYOR. ALL LOCATIONS ARE TO BE REPORTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION OR ORDERING.
 - ALL DEMOLITION IS TO BE PERFORMED IN STRICT CONFORMANCE WITH ALL APPLICABLE PITTSBURGH, ALLEGHENY COUNTY, AND PENNSYLVANIA AND/OR OTHER GOVERNING BODIES STANDARDS.
 - DURING DEMOLITION, ANY HAZARDOUS MATERIAL, SUCH AS ASBESTOS, SHALL BE REMOVED AND REMEDIATED IN ACCORDANCE WITH THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PADEP) STANDARDS AND ALL OTHER APPLICABLE STANDARDS.
 - THE REMOVAL AND/OR ABANDONMENT OF ANY SUBSURFACE STRUCTURES, INCLUDING STORAGE TANKS, MANHOLES AND PIPES, SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
 - HAILING ROUTES AND DISPOSAL SITES FOR THE DISPOSAL OF THE DEMOLISHED MATERIAL SHALL BE PROVIDED TO THE CITY OF PITTSBURGH PRIOR TO DEMOLITION.
 - ANY DISCREPANCY BETWEEN THIS PLAN AND SITE CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE CIVIL ENGINEER IMMEDIATELY.
 - CONTRACTOR SHALL CONTROL DUST LEAVING THE SITE DURING DEMOLITION AND CONSTRUCTION.
 - CONTRACTOR AND DEVELOPER TO IDENTIFY ALL IMPACTS TO ADJACENT PROPERTIES PRIOR TO DEMOLITION AND CONSTRUCTION ACTIVITIES AND COORDINATE WITH ADJACENT PROPERTY OWNERS.
 - ANY STREET SIGN DAMAGED OR TEMPORARILY REMOVED DURING CONSTRUCTION ARE TO BE REPLACED IN KIND OR PER LOCAL MUNICIPALITY AND/OR PENNDOT REGULATIONS.
 - THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER ANY UNFORESEEN OR ADVERSE CONDITIONS DISCOVERED DURING DEMOLITION OPERATIONS.
 - CONTRACTOR SHALL PROTECT EXISTING PLANT MATERIAL NOT DESIGNATED FOR REMOVAL OR RELOCATION FROM DAMAGE DURING CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY ITEMS DAMAGED DURING THE CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANIES PRIOR TO IMPACTING EXISTING UTILITIES OR CONSTRUCTION OF NEW UTILITIES.

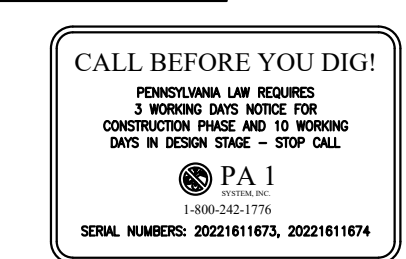
Kimley-Horn
 © 2022, KIMLEY-HORN AND ASSOCIATES, INC.
 BRIDGE PLAZA, SUITE 550
 750 HOLLIDAY BLVD., FLOOR 1500
 PITTSBURGH, PA 15220
 PHONE: 412-218-2210
 WWW.KIMLEY-HORN.COM

EXISTING CONDITIONS

EAST END APARTMENTS
 PREPARED FOR
TWG DEVELOPMENT

DESIGN DEVELOPMENT

PRELIMINARY
 NOT FOR CONSTRUCTION



SHEET NUMBER
C100

NO.	KEY	REVISIONS	DATE
2	DESIGN DEVELOPMENT		02/14/2023
1	SCHEMATIC DESIGN		11/14/2022



SECTION 12

COMPONENT 4A & COMPONENT 4C





INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

Remove and recycle these instructions prior to mailing component to the approving agency.

Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

Instructions for Completing Planning Agency and/or Health Department Review Component

Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.



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
East End Apartments

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

1. Date plan received by municipal planning agency 9/11/2023
2. Date review completed by agency 9/20/2023

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"/> 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 type="checkbox"/>	<input checked="" type="checkbox"/>	9. Is this proposal consistent with the ordinance? If no, describe the inconsistencies <u>in review</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Is there a municipal subdivision and land development ordinance?

SECTION C. AGENCY REVIEW (continued)

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies <u>in review</u>
<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: <u>Kyla Pendergast</u> Title: <u>Senior Environmental Planner</u> Signature: <u><i>Kyla Pendergast</i></u> Date: <u>9/20/2023</u> Name of Municipal Planning Agency: <u>Department of City Planning</u> Address <u>200 Ross Street, 4th Floor, Pittsburgh, PA 15219</u> Telephone Number: <u>412-255-2676</u>		

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

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

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

September 12, 2023

Ms. Kaitlin Young
Kimley-Horn Associates, Inc
750 Holiday Drive, Bldg. Suite 750
Pittsburgh, PA, 15220

RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
East End Apartments, City of Pittsburgh

Dear Ms. Young:

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 September 11, 2023. The project proposes the following:

Project Description:	A 220-unit, 5-story apartment building with a 5-story parking garage is planned for a 2.5-acre site at Frankstown Road (north), Enterprise St (east), Hamilton Ave (south), and E. Liberty Blvd (west). This project involves consolidating multiple properties and involves two vacant buildings on the premises. There are no wetlands or stream in the project area, and sanitary sewer flow calculations are based on PA Code Title 25 and PWSA rates. Construction is set to start in fall 2023 and expected to last about 2 years. The building will include 166 one-bedroom and 54 two-bedroom apartments, along with office/retail space for up to 9 employees.
Sewage Flow:	41,190 GPD
Conveyance:	The proposed sewage disposal system is collected by the PWSA public system at Junction 125E005 to the 86" sewer main that connects to ALCOSAN's conveyance system at the Deep Tunnel interceptor A-42 and ultimately drains to the ALCOSAN Woods Run Treatment Plant.
Sewer's Owner:	PSWA (collection), ALCOSAN (interceptor)
Sewage Treatment Plant:	ALCOSAN



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



Ms. Kaitlin Young
September 12, 2023
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, 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



INSTRUCTIONS FOR COMPLETING COMPONENT 4C COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

Remove and recycle these instructions prior to mailing component to the approving agency.

Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

Instructions for Completing Planning Agency and/or Health Department Review Component

Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.

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

East End Apartments

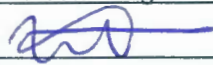
SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county or joint county health department 9/11/2023

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency 9/12/2023

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 II</u>
Signature: <u></u>
Date: <u>9/12/2023</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.