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Sewage Facilities Planning Module East Liberty Centre

Job # 10216-2

Prepared For

Highwoods Realty Limited Partnership

200 Three PPG Place

Pittsburgh, PA 15222

Location

6135 and 6145 Penn Avenue

11th Ward, City of Pittsburgh

Allegheny County, Pennsylvania 15206

Prepared: April, 2021



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SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
TRANSMITTAL LETTER TO PADEP



**TRANSMITTAL LETTER
 FOR SEWAGE FACILITIES PLANNING MODULE**

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)
 Thomas E. Flanagan
 400 Waterfront Drive
 Pittsburgh, PA 15222

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Thomas Cenna _____
 (Name)

Senior Project Manager _____ for Hampton Technical Associates _____
 (Title) (Name)

a subdivision, commercial ,or industrial facility located in the City of Pittsburgh _____

Allegheny _____ County.
 (City, Borough, Township)

Check one

- (i) The planning module, as prepared and submitted by the applicant, is approved by the municipality as a proposed revision supplement for new land development to its Official Sewage Facilities Plan (Official Plan), and is adopted for submission to DEP transmitted to the delegated LA for approval in accordance with the requirements of 25 Pa. Code Chapter 71 and the *Pennsylvania Sewage Facilities Act* (35 P.S. §750),

OR

- (ii) The planning module will not be approved by the municipality as a proposed revision or supplement for new land development to its Official Plan because the project described therein is unacceptable for the reason(s) checked below:

Check Boxes

- Additional studies are being performed by or on behalf of this municipality which may have an effect on the planning module as prepared and submitted by the applicant. Attached hereto is the scope of services to be performed and the time schedule for completion of said studies.
- The planning module as submitted by the applicant fails to meet limitations imposed by other laws or ordinances, officially adopted comprehensive plans and/or environmental plans (e.g., zoning, land use, 25 Pa. Code Chapter 71). Specific reference or applicable segments of such laws or plans are attached hereto.
- Other (attach additional sheet giving specifics).

Municipal Secretary: Indicate below by checking appropriate boxes which components are being transmitted to the approving agency.

- Resolution of Adoption
- Module Completeness Checklist
- 2 Individual and Community Onlot Disposal of Sewage
- 3 Sewage Collection/Treatment Facilities
- 3s Small Flow Treatment Facilities
- 4A Municipal Planning Agency Review
- 4B County Planning Agency Review
- 4C County or Joint Health Department Review

Municipal Secretary (print)

Signature

Date

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

Resolution No. _____

CITY OF PITTSBURGH

Introduced: Bill No:

Committee: Intergovernmental Affairs Committee Status:

Sponsored by:

Resolution adopting Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan for Highwoods Realty Partnership Limited, 200 Three PPG Place, Pittsburgh, PA 15222

WHEREAS, SECTION 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the "Pennsylvania Sewage Facilities Act," as amended, and the rules and regulations of the Pennsylvania Department of Environmental Protection (the "Department") adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires the City of Pittsburgh to adopt an Official Sewage Facilities Plan (the "Official Plan") providing for sewage services adequate to prevent contamination of waters of the Commonwealth and/or environmental health hazards from sewage wastes, and to revise said plan whenever it is necessary to determine whether a proposed method of sewage disposal for a new development conforms to a comprehensive program of pollution control and water quality management; and

WHEREAS, Highwoods Realty Partnership Limited has proposed the development of a parcel of land identified as East Liberty Centre, 6135 and 6145 Penn Avenue, Pittsburgh, PA 15206, Allegheny County, at block and lot 84-C-146, in the 11th Ward of the City of Pittsburgh and described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by a sewer tap-in to the City of Pittsburgh sewage systems; and

WHEREAS, the Pittsburgh Water Sewer Authority, the Allegheny County Sanitary Authority, the City of Pittsburgh Planning Department and the Allegheny County Health Department have reviewed the respective components of the attached Planning Module in regard to each authority/department's expertise and have approved the respective components as explained in the attached Planning Module.

WHEREAS, based upon the approval of the above authorities and departments, the City of Pittsburgh finds that the project described in the attached Planning Module for land development conforms to applicable zoning, subdivision, other municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PITTSBURGH AS FOLLOWS:

SECTION 1. The City of Pittsburgh hereby adopts and submits to the Department of Environmental Protection for its approval as a Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan, the above-referenced Planning Module for land development, which is attached hereto as **Exhibit A**.

Said Planning Module includes the proposed East Liberty Centre, 6135 and 6145 Penn Avenue, Pittsburgh, PA 15206, Allegheny County, at block and lot 84-C-146, in the 11th Ward of the City of Pittsburgh.

Finally, that any Ordinance or Resolution or part thereof conflicting with the provisions of this Resolution, is hereby repealed so far as the same affects this Resolution.

Effective Date: _____

Passed in Council: _____

Approved: _____

Recorded in R.B. ___ page _____ in City Clerk's Office.

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
COMPLETENESS CHECKLIST

Checklist



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

Completeness Checklist

The individual completing the component should use the checklist below to assure that all items are included in the module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist.

Sewage Collection and Treatment Facilities

- Name and Address of land development project.
- U.S.G.S. 7.5 minute topographic map with development area plotted.
- Project Narrative.
- Letter from water company (if applicable).
- Alternative Analysis Narrative.
- Details of chosen financial assurance method.
- NA Proof of Public Notification (if applicable).
- Name of existing collection and conveyance facilities.
- Name and NPDES number of existing treatment facility to serve proposed development.
- Plot plan of project with required information.
- Total sewage flows to facilities table.
- Signature of existing collection and/or conveyance Chapter 94 report preparer.
- Signature of existing treatment facility Chapter 94 report preparer.
- Letter granting allocation to project (if applicable).
- Signature acknowledging False Swearing Statement.
- Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- Information on selected treatment and disposal option.
- NA Permeability information (if applicable).
- NA Preliminary hydrogeology (if applicable).
- NA Detailed hydrogeology (if applicable).

Municipal Action

- Component 3 (Sewage Collection and Treatment Facilities).
- Component 4 (Planning Agency Comments and Responses).
- Proof of Public Notification.
- Long-term operation and maintenance option selection.
- Comments, and responses to comments generated by public notification.
- Transmittal Letter

Thomas Cenna

Signature of ~~Municipal Official~~
Preparer

4-20-2021

Date submittal determined complete

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
COMPONENT 3: SEWAGE COLLECTION AND TREATMENT FACILITIES MODULE



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

Code No.

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

This planning module component is used to fulfill the planning requirements of Act 537 for the following types of projects: (1) a subdivision to be served by sewage collection, conveyance or treatment facilities, (2) a tap-in to an existing collection system with flows on a lot of 2 EDU's or more, or (3) the construction of, or modification of, 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 Liberty Centre

2. Brief Project Description Highwoods Realty Limited Partnership is proposing to construct a new mixed use (restaurant, retail and office) structure at the intersection of Penn Avenue and Centre Avenue at 6135 and 6145 Penn Avenue in the City of Pittsburgh, 15206, 11th ward.

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Battistone	Martina			
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
Department of City Planning	200 Ross Street, 4th floor			
Address Last Line -- City	State	ZIP+4		
Pittsburgh	PA	15219		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
412-255-2516		martina.battistone@pittsburghpa.gov		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

East Liberty Centre

Site Location Line 1

6135 and 6145 Penn Avenue

Site Location Line 2

11th Ward

Site Location Last Line -- City

City of Pittsburgh

State

PA

ZIP+4

15206

Latitude

40°27'39.83"N

Longitude

79°55'22.27"W

Detailed Written Directions to Site Start out going east on I-376 E/US-30 E/US-22 E/Penn Lincoln Pkwy E/Parkway East. Exit at exit 74 - Squirrel Hill/Homestead. Follow signs to Squirrel Hill, making a left on to Beechwood Blvd. Make a left onto Forward Ave. Follow til Shady Ave. Make left on to Shady Ave. Make left on to Penn Ave. Follow to 6135/6145 Penn Avenue.

Description of Site Existing 0.2570 acre urban lot with grass/weeds.

Site Contact (Developer/Owner)

Last Name

Emerson

First Name

Jeff

MI

Suffix

Phone

919-875-6792

Ext.

Site Contact Title

Director of Pre-Development

Site Contact Firm (if none, leave blank)

Highwoods Realty Limited Partnership

FAX

Email

Jeff.Emerson@highwoods.com

Mailing Address Line 1

200 Three PPG Place

Mailing Address Line 2

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15222

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

Last Name

Cenna

First Name

Tom

MI

Suffix

Title

Senior Project Manager

Consulting Firm Name

Hampton Technical Associates, Inc.

Mailing Address Line 1

35 Wilson Street

Mailing Address Line 2

Suite 201

Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15223

Country

USA

Email

thomasc@hampton-tech.net

Area Code + Phone

412-781-9660

Ext.

223

Area Code + FAX

412-781-5904

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: PWSA

F. PROJECT NARRATIVE (See Section F of instructions)

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

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

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

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

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

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

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 41

Connections 2

Name of:

existing collection or conveyance system 15" Combined Sewer on Kirkwood Street

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny River

owner Allegheny County Sanitary Authority (ALCOSAN)

2. WASTEWATER TREATMENT FACILITY

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

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

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

Name of existing facility ALCOSAN Woods Run WWTP

NPDES Permit Number for existing facility PA 0025984

Clean Streams Law Permit Number _____

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

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

As an authorized representative of the permittee, I confirm that the ALCOSAN Woods Run (Name from above) sewage treatment facilities can accept sewage flows from this project without adversely affecting the facility's ability to achieve all applicable technology and water quality based effluent limits (see Section I) and conditions contained in the NPDES permit identified above.

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature *Shawn P. McWilliams* Date 3/29/2021

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

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

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____.

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

- The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ pounds per year as determined by the wastewater treatment facility permittee. The permittee has determined that the additional TN and TP to be contributed by this project (as modified by credits and/or offsets to be provided) will not cause the discharge to exceed the annual total mass limits for these parameters. Documentation of compliance with nutrient allocations is attached.

Name of Permittee Agency, Authority, Municipality _____

Initials of Responsible Agent (See Section G 2.b) _____

See *Special Instructions* (Form 3800-FM-BPNPSM0353-1) for additional information on Chesapeake Bay watershed requirements.

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

Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Title 25, Chapter 94 (relating to Municipal Wasteload Management). If not previously included in Section F, include a general map showing the path of the sewage to the treatment facility. If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 16306 _____ gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilities" sewage flows, use Annual Average Daily Flow for "average" and Maximum Monthly Average Daily Flow for "peak" in all cases. For "peak flows" in "collection" and "conveyance" facilities, indicate whether these flows are "peak hourly flow" or "peak instantaneous flow" and how this figure was derived (i.e., metered, measured, estimated, etc.).

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.
- c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

To complete the table, refer to the instructions, Section J.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	36588562	128059966	70000	639000	196592	688071
Conveyance						
Treatment						

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 Pittsburgh Water and Sewer Authority (PWSA)

Name of Responsible Agent Barry King, PE, PMP

Agent Signature  Date March 1, 2021

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

Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Title 25, Chapter 94 (relating to Municipal Wasteload Management). If not previously included in Section F, include a general map showing the path of the sewage to the treatment facility. If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 16,306 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilities" sewage flows, use Annual Average Daily Flow for "average" and Maximum Monthly Average Daily Flow for "peak" in all cases. For "peak flows" in "collection" and "conveyance" facilities, indicate whether these flows are "peak hourly flow" or "peak instantaneous flow" and how this figure was derived (i.e., metered, measured, estimated, etc.).

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.
- c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

To complete the table, refer to the instructions, Section J.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance	---	31.2 MGD	8.81 MGD	10.8 MGD	8.93 MGD	10.9 MGD
Treatment	209.3 MGD	250.0 MGD	209.3 MGD	250.0 MGD	219.7 MGD	295.0 MGD

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table. The individual(s) signing below must be legally authorized to make representation for the organization.

YES NO

- a. YES NO This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved Corrective Action Plan (CAP) granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the module package.

If no, a representative of the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not affect that status.

b. Collection System

Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____ Date _____

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature *Shawn P. McWilliams*

Date 3/29/2021

4. Treatment Facility

The questions below are to be answered by a representative of the facility permittee in coordination with the information in the table and the latest Chapter 94 report. The individual signing below must be legally authorized to make representation for the organization.

YES NO ***ALCOSAN IS UNDER A CONSENT DECREE TO ADDRESS WET WEATHER OVERFLOWS.**

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

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

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

b. Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature *Shawn P. McWilliams*

Date 3/29/2021

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.

Christopher M. Schmidt	<i>Christopher M. Schmidt</i>
Name (Print)	Signature
Project Engineer	1-29-2021
Title	Date
35 Wilson Street, Suite 201, Pittsburgh, PA 15223	4127819660
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 \$2050_ 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.

$$\#41 \text{ _____ Lots (or EDUs) X } \$50.00 = \$ 2050 \text{ _____}$$

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
 - For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.
2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

- A. A new surface discharge greater than 2000 gpd will use a flat fee:

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

\$ 500 per submittal (municipal)

- B. An increase in an existing surface discharge will use:

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

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

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
- For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
- For non-single family residential projects, EDUs are calculated using projected population figures

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

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

\$ 500 per submittal (municipal)

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
SECTION 2.0 PLANNING REVIEW

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
COMPONENT 4A: MUNICIPAL PLANNING REVIEW



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:

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

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

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

Project Name

East Liberty Centre

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

1. Date plan received by municipal planning agency February 9, 20212. Date review completed by agency February 10, 2021

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

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

SECTION C. AGENCY REVIEW (continued)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____
17. Name, title and signature of planning agency staff member completing this section: Name: <u>Martina Wolf Battistone</u> Title: <u>Senior Environmental Planner</u> Signature: <u><i>Martina Wolf Battistone</i></u> Date: <u>February 10, 2021</u> Name of Municipal Planning Agency: <u>City of Pittsburgh Department of City Planning</u> Address <u>200 Ross Street 4th Floor Pittsburgh, PA 15219</u> Telephone Number: <u>(412) 255-2516</u>		

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

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

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
COMPONENT 4C: COUNTY OR JOINT HEALTH DEPARTMENT REVIEW – ACHD



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 Liberty Centre

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

1. Date plan received by county or joint county health department April 20, 2021Agency name Allegheny County Health Department (ACHD)2. Date review completed by agency April 21, 2021

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

Yes No

1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?
If no, what are the inconsistencies? _____
2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____
3. Is there any known groundwater degradation in the area of this proposal?
If yes, describe _____
4. The county or joint county health department recommendation concerning this proposed plan is as follows: ACHD recommends approval. See attached letter.

5. Name, title and signature of person completing this section:

Name: Freddie FieldsTitle: Environmental Health Engineer IIISignature: *Freddie Fields*Date: April 21, 2021Name of County Health Department: ACHDAddress: 3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318Telephone Number: 412-578-8046

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.

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

April 21, 2021

Thomas Cenna, RLA LEED AP
Hampton Technical Associates, Inc.
Etna Technical Center
35 Wilson Street - Suite 201
Pittsburgh, PA 15223

RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
East Liberty Centre, City of Pittsburgh

Dear Mr. Cenna:

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 April 20, 2021. The project proposes the following:

Project Description:	East Liberty Centre. Proposing to construct a new mixed use (restaurant, retail and office) structure located at the intersection of Penn Avenue and Centre Avenue (6135 & 6145 Penn Avenue) in the City of Pittsburgh, Allegheny County.
Sewage Flow:	16,306 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to ALCOSAN POC A-22 to the Allegheny River interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN

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.



DEBRA BOGEN, MD, DIRECTOR
ALLEGHENY COUNTY HEALTH DEPARTMENT

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



Mr. Thomas Cenna, RLA LEED AP
April 21, 2021
Page 2

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

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

Sincerely,



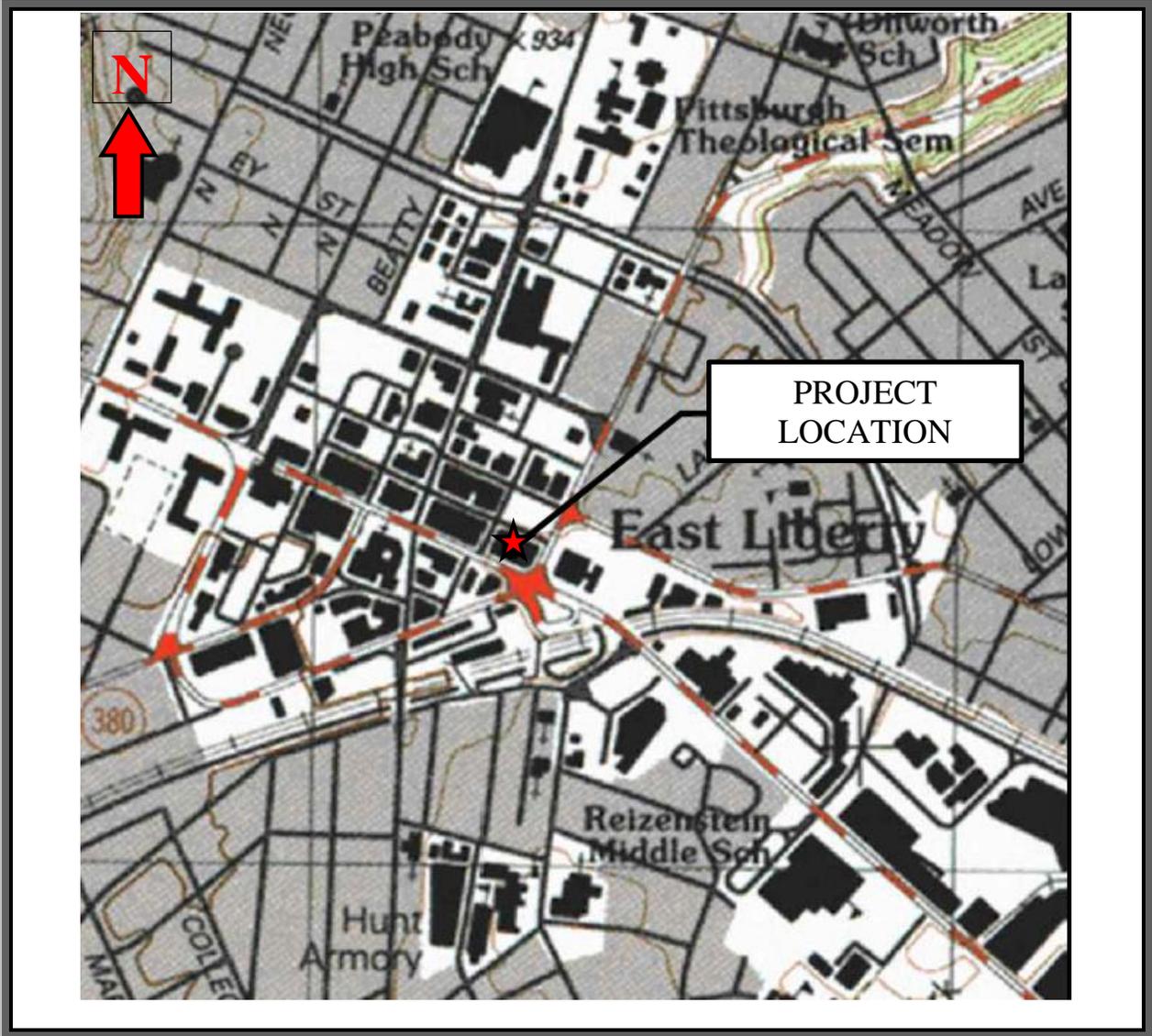
Freddie Fields, M.B.A.
Environmental Health Engineer III
Water Pollution Control and Solid Waste Management

FF/
Enclosure

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

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
SECTION 3.0 REFERENCES

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
EXHIBITS



Pittsburgh East, PA Quadrangle
Scale: N.T.S.

East Liberty Centre

6135/6145 Penn Avenue, Pittsburgh, Allegheny County, PA

HTA Project No. 10216-2

FIGURE 1 - U.S.G.S. SITE LOCATION MAP



HAMPTON TECHNICAL ASSOCIATES, INC.

Engineering Land Surveyors

CORPORATE OFFICE

35 Wilson Street – Suite 201
Pittsburgh, PA 15223





Pittsburgh East, PA Quadrangle
Scale: NTS

East Liberty Centre

6135/6145 Penn Avenue, Pittsburgh, Allegheny County, PA

HTA Project No. 10216-2

FIGURE 2 - AERIAL PHOTOGRAPH



HAMPTON TECHNICAL ASSOCIATES, INC.

Engineering Land Surveyors

CORPORATE OFFICE

35 Wilson Street – Suite 201
Pittsburgh, PA 15223



SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
DRAWINGS

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDICES

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDIX A: AVAILABILITY OF WATER SUPPLY



WATER AND SEWER AVAILABILITY LETTER REQUEST

All persons planning to perform construction, demolition, or renovation work that will involve water and/or sewer services are recommended to complete this form and submit to PWSA. PWSA will review the request and reply to indicate if PWSA-owned water and/or sewer utilities are present at the site of the proposed work.

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

1. New water and/or sewer tap(s) for all approved/recorded subdivisions.
2. Change of Use and/or increase in water and/or sewer flows for residential development(s), commercial, industrial and institutional developments (i.e. total project sanitary flow is greater than 799 gallons per day).
3. New water and/or sewer tap(s) for all residential, commercial, industrial, and institutional developments.

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

Information to be submitted by the Applicant:			
Property Owner Name:	Highwoods Realty Limited Partnership		
Address of Property:	6135 and 6145 Penn Avenue, Pgh., PA 15206		
Proposed Use of Site:	Office		
Closest street intersection to the property:	Penn Ave. and Centre Ave.		
Requester Information			
Name:	Thomas Cenna	Date of Request:	4/16/2021
Address:	35 Wilson Street, #201, Pgh., PA 15223		
Phone Number:	412-781-9660		
Email Address:	ThomasC@hampton-tech.net		
Preferred Method of Delivery:	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail		
PWSA Use Only:			
PWSA Water Service Available	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Size / Location:	<u>8" Kirkwood Street, 6" Penn Avenue</u>
PWSA Sewer Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Size / Location:	<u>15" Kirkwood Street, 15" Penn Avenue</u>
Applicant must contact separate agency for water and/or sewer service:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Name of separate agency:	_____		
PWSA Approval:	Signature and Date	<u>Wendy M. Dean</u>	<u>4/22/2021</u>
	Name (printed)	<u>Wendy M. Dean</u>	
	Title	<u>Engineering Tech II</u>	

Disclaimer: The information provided by PWSA does not guarantee capacity of the PWSA-owned water and/or sewer lines to satisfy the needs of the proposed development. The permit application process required by PWSA evaluates the water demand and sewer flows of the development, as provided by the Applicant, and renders a decision on the capacity of the PWSA facilities.

April 22, 2021

Thomas Cenna
35 Wilson Street #201
Pittsburgh, PA 15223

RE: Water and Sewer Availability
6135 & 6145 Penn Avenue

Dear Mr. Cenna:

In response to your inquiry on 4/16/2021 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

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

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

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

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

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

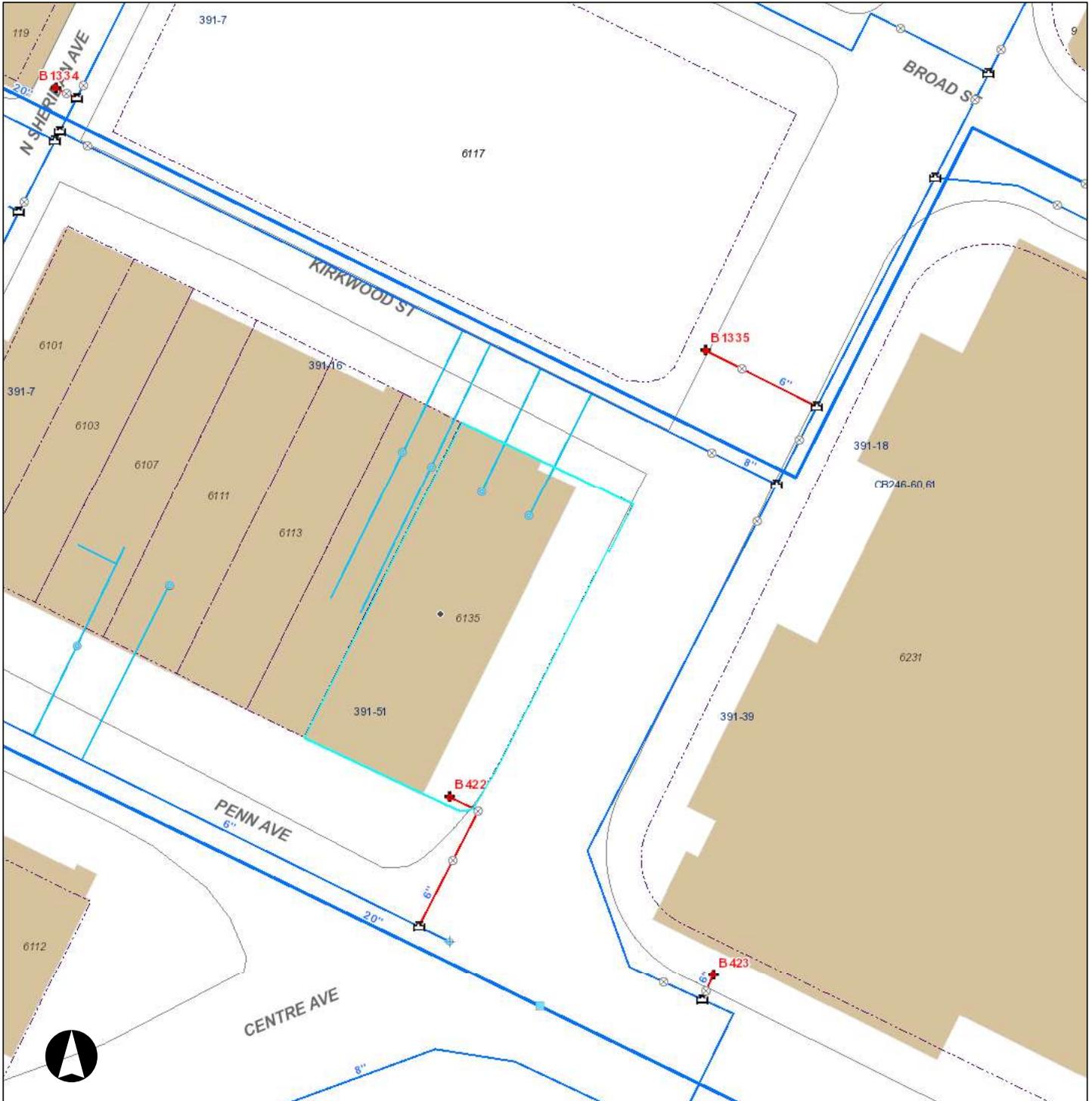
Sincerely,



Wendy M. Dean
Engineering Tech II

cc: PWSA File

6135 & 6145 Penn Ave - Water



Legend

WATER

- Meter
- Curb Box
- Water System Pump
- Hydrant
- System Valve
- Dividing Pressure Valve
- Coupling
- Tee
- Cross
- Reducer
- End Cap
- Wash Out
- Rising Main
- Supply Main
- Transmission Main
- Distribution Main
- Hydrant Branch
- Private Main
- Water Service Line

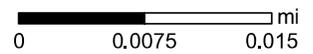
Pressure Monitoring Station

Water Manhole

- Manhole
- Junction
- Inlet

SEWER

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



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

Date: 4/22/2021

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDIX B: SEWAGE AVAILABILITY OF CAPACITY & ALLOCATION



WATER AND SEWER AVAILABILITY LETTER REQUEST

All persons planning to perform construction, demolition, or renovation work that will involve water and/or sewer services are recommended to complete this form and submit to PWSA. PWSA will review the request and reply to indicate if PWSA-owned water and/or sewer utilities are present at the site of the proposed work.

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

1. New water and/or sewer tap(s) for all approved/recorded subdivisions.
2. Change of Use and/or increase in water and/or sewer flows for residential development(s), commercial, industrial and institutional developments (i.e. total project sanitary flow is greater than 799 gallons per day).
3. New water and/or sewer tap(s) for all residential, commercial, industrial, and institutional developments.

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

Information to be submitted by the Applicant:			
Property Owner Name:	Highwoods Realty Limited Partnership		
Address of Property:	6135 and 6145 Penn Avenue, Pgh., PA 15206		
Proposed Use of Site:	Office		
Closest street intersection to the property:	Penn Ave. and Centre Ave.		
Requester Information			
Name:	Thomas Cenna	Date of Request:	4/16/2021
Address:	35 Wilson Street, #201, Pgh., PA 15223		
Phone Number:	412-781-9660		
Email Address:	ThomasC@hampton-tech.net		
Preferred Method of Delivery:	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail		
PWSA Use Only:			
PWSA Water Service Available	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Size / Location:	<u>8" Kirkwood Street, 6" Penn Avenue</u>
PWSA Sewer Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Size / Location:	<u>15" Kirkwood Street, 15" Penn Avenue</u>
Applicant must contact separate agency for water and/or sewer service:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Name of separate agency:	_____		
PWSA Approval:	Signature and Date	<u>Wendy M. Dean</u>	<u>4/22/2021</u>
	Name (printed)	<u>Wendy M. Dean</u>	
	Title	<u>Engineering Tech II</u>	

Disclaimer: The information provided by PWSA does not guarantee capacity of the PWSA-owned water and/or sewer lines to satisfy the needs of the proposed development. The permit application process required by PWSA evaluates the water demand and sewer flows of the development, as provided by the Applicant, and renders a decision on the capacity of the PWSA facilities.

April 22, 2021

Thomas Cenna
35 Wilson Street #201
Pittsburgh, PA 15223

RE: Water and Sewer Availability
6135 & 6145 Penn Avenue

Dear Mr. Cenna:

In response to your inquiry on 4/16/2021 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

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

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

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

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

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

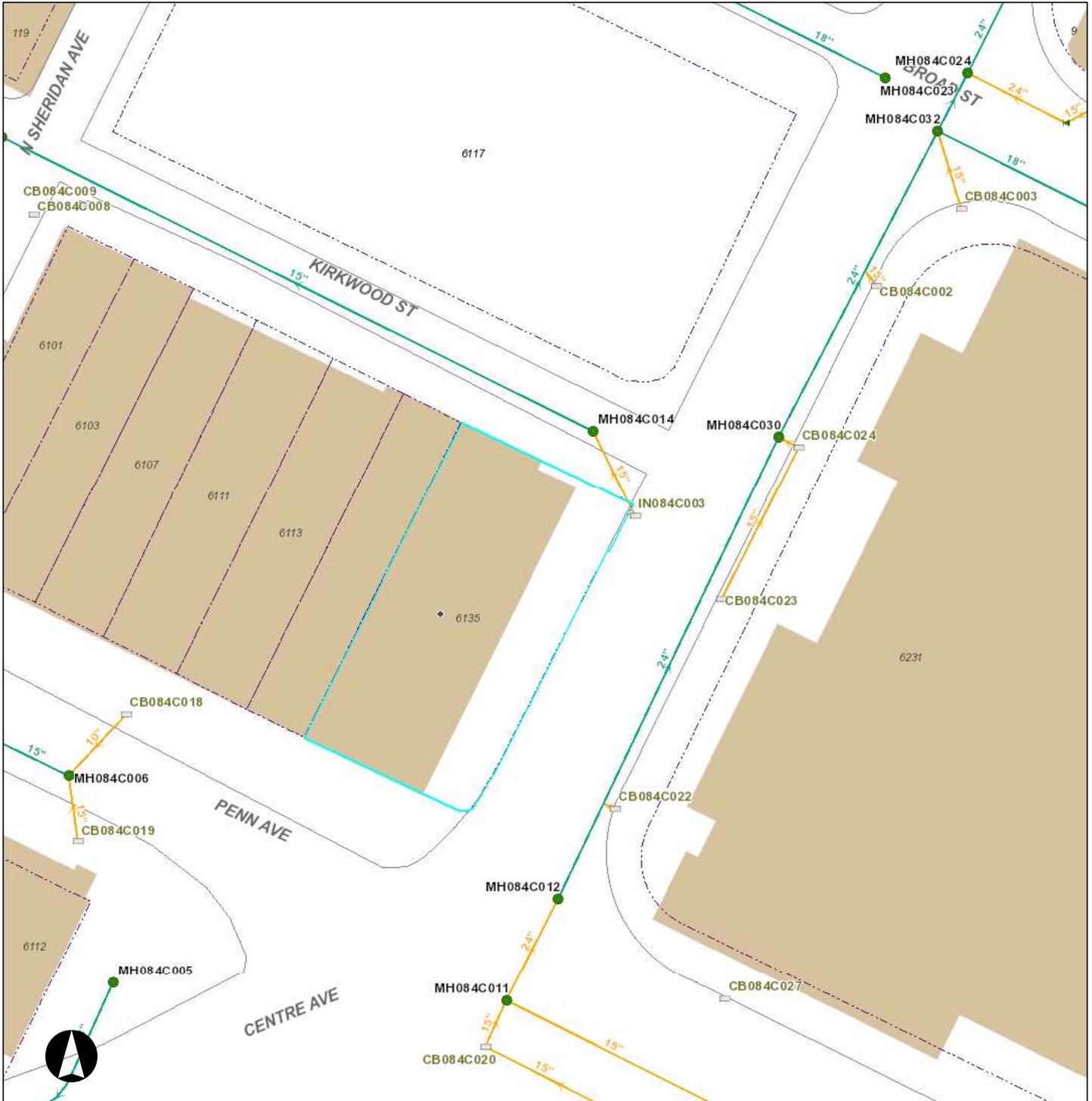
Sincerely,



Wendy M. Dean
Engineering Tech II

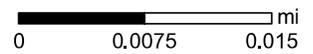
cc: PWSA File

6135 & 6145 Penn Ave - Sewer



Legend

WATER		SEWER	
Meter	Pressure Monitoring Station	Manhole	Private Inlet
Curb Box	Water Manhole	Junction	Outfall
Water System Pump	Rising Main	Inlet	End Cap
Hydrant	Supply Main	Sewer Pump Station	Combined Sewer
System Valve	Transmission Main	Sanitary Sewer	Storm Sewer
Dividing Pressure Valve	Distribution Main	Regulated Combined Sewer	Overflow Sewer
Coupling	Hydrant Branch	Sewer Force Main	Interceptor
Tee	Private Main	Private Sewer	Undefined Sewer
Cross	Water Service Line	Green Infrastructure Underground Facilities	
Reducer			
End Cap			
Wash Out			



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: 4/22/2021

October 19, 2020

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

Subject: Tap Allocation Authorization Letter

Dear Mr. Flanagan:

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

Project Name:	East Liberty Centre Development
Project Address:	6135 and 6145 Penn Avenue Pittsburgh, PA 15206
Proposed Flow, gpd:	16,306
EDU's, 400gpd/EDU:	40.765

Our review is based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x8035 or AFlores@pgh2o.com.

Sincerely,



Ana Flores, EIT
Associate Project Manager

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

October 19, 2020

Thomas Cenna
Hampton Technical Associates
35 Wilson Street, #201
Pittsburgh, PA 15223

Subject: Water and Sewer (W/S) Use Approval
Project Name: East Liberty Centre Development
PWSA Project No.: 20013.79

Dear Thomas:

Pursuant to your request, we have reviewed the W/S Use Application (Application) for the aforementioned Project. This letter shall serve as confirmation that the Application has been approved. Please see below for the approved flows:

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
<i>Project Flow</i>	16,306	16,306	1.386
<i>Existing Flow</i>	0	0	1.267
<i>Net Flow</i>	16,306	16,306	

Please be advised that the need for sewage planning shall be determined by the Department of Environmental Protection (DEP). After issuance of this letter, the PWSA shall email the Preliminary Determination on the Need for Sewage Planning Letter to the DEP. Typically, the DEP will respond via email with the Final Determination on the Need for Sewage Planning. In the event that sewage planning is required, we have enclosed for your use the location of the most limited capacity sewer.

Our review was based on information provided by the Applicant under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x8035 or AFlores@pgh2o.com.

Sincerely,



Ana Flores, EIT
Associate Project Manager

Enclosure(s)

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Robert Herring, P.E. – PWSA (via email)
eBuilder – Filing System (via email)

Penn Liberty Plaza I info@pgh2o.com
1200 Penn Avenue T 412.255.2423
Pittsburgh PA 15222 F 412.255.2475

www.pgh2o.com
[@pgh2o](https://twitter.com/pgh2o)

Customer Service /
Emergencies:
412.255.2423

Most Limited Capacity Sewer (MLCS) Spreadsheet											
PROJECT NAME:	East Liberty Centre Development										
PWSA PROJECT NUMBER:	20013.79										
PWSA REVIEWER:	Ana Flores										
DATE:	October 19,2020										
LEGEND:	Output Data										
	Input Data										
	Questionable Data										
	Hydraulically Limited Sewer										
Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH084C014	MH084C016	897.57	894.75	108.88	15	vcp	0.015	1.23	3.927	2.59%	5,841,014
MH084C016	MH084C017	892.30	890.00	153.42	15	vcp	0.15	1.23	3.927	1.50%	444,138
MH084C017	MH084B027	890.00	885.67	223.49	15	vcp	0.15	1.23	3.927	1.94%	505,067
MH084B027	MH084B028	885.67	880.00	266.96	15	pvc	0.01	1.23	3.927	2.12%	7,930,658
MH084B027	MH084B045	885.67	885.00	266.95	15	pvc	0.01	1.23	3.927	0.25%	2,724,414
MH084B028	MH084B029	885.00	880.44	163.23	18	vcp	0.015	1.77	4.712	2.80%	9,866,206
MH084B029	MH083P013	880.44	879.12	303.82	18	vcp	0.015	1.77	4.712	0.43%	3,876,977
MH084B045	MH084B030	885.67	880.00	266.96	15	pvc	0.01	1.23	3.927	2.12%	7,930,658
MH084B030	MH083P013	880.00	879.47	258.44	15	pvc	0.01	1.23	3.927	0.20%	2,457,539
MH083P013	JCT083P014	879.47	879.47	18.10	18	vcp	0.015	1.77	4.712	0.02%	759,548
JCT083P014	MH083P014	879.47	882.00	33.08	39	vcp	0.015	8.30	10.210	-7.65%	#NUM!
MH083P014	JCT083P020	882.02	880.28	126.11	39	rcp	0.013	8.30	10.210	1.38%	62,925,365
JCT083P020	MH083P030	880.28	877.73	181.82	39	rcp	0.013	8.30	10.210	1.40%	63,318,710
MH083P030	MH084B033	877.66	874.57	303.23	60	RCP	0.013	19.63	15.708	1.02%	170,517,043
MH084B033	MH084A009	874.57	871.60	542.70	60	RCP	0.013	19.63	15.708	0.55%	124,712,762
MH084A009	MH084E008	871.60	868.58	441.13	60	RCP	0.013	19.63	15.708	0.69%	139,767,246
MH084E008	JCT084A005	868.58	868.08	66.26	66	RCP	0.013	23.76	17.279	0.75%	188,855,672
JCT084A005	MH084A002	866.38	865.39	93.92	66	RCP	0.013	23.76	17.279	1.06%	223,652,121
MH084A002	JCT084A001	865.39	864.45	173.02	66	RCP	0.013	23.76	17.279	0.54%	160,577,255
JCT084A001	MH084A022	864.45	862.71	258.00	72	RCP	0.013	28.27	18.850	0.67%	225,263,073
MH084A022	MH051H020	862.14	859.89	494.63	81.5	RCP	0.013	36.23	21.337	0.45%	257,493,915
MH051H020	MH051H014	859.89	856.20	582.67	81.5	RCP	0.013	36.23	21.337	0.63%	303,915,670
MH051H014	JCT051M010	856.21	853.30	491.84	81.5	RCP	0.013	36.23	21.337	0.59%	293,795,665
JCT051M010	MH051M015	853.30	852.91	48.20	81	RCP	0.013	35.78	21.206	0.81%	337,979,596
MH051M015	MH051M017	852.91	847.92	600.57	106	RCP	0.013	61.28	27.751	0.83%	701,733,825
MH051M017	JCT051M008	848.20	847.57	93.83	120	RCP	0.013	78.54	31.416	0.67%	878,154,748
JCT051M008	MH051S030	847.57	847.47	14.70	120	RCP	0.013	78.54	31.416	0.68%	883,920,019
MH051S030	MH051S028	845.79	842.95	374.43	120	RCP	0.013	78.54	31.416	0.76%	933,347,070
MH051S028	JCT051R012	843.03	841.24	197.85	132	RCP	0.013	95.03	34.558	0.90%	1,314,348,758
JCT051R012	MH051R011	843.15	842.90	26.36	60	BR	0.016	19.63	15.708	0.95%	133,550,541
MH051R011	MH051R022	842.90	841.84	110.84	72	BR	0.016	28.27	18.850	0.96%	218,073,561
MH051R022	JCT051R009	841.79	841.45	31.69	72	BR	0.016	28.27	18.850	1.07%	230,981,225
JCT051R009	MH051R023	841.22	837.45	157.16	96	BR	0.016	50.27	25.133	2.40%	743,817,837
MH051R023	JCT051R006	837.45	836.35	86.56	96	BR	0.016	50.27	25.133	1.27%	540,882,993
JCT051R006	MH051R013	836.35	833.64	301.00	96	BR	0.016	50.27	25.133	0.90%	456,026,394

October 19, 2020

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

Subject: Preliminary Determination on the Need for Sewage Planning
Project Name: East Liberty Centre Development
PWSA Project No.: 20013.79

Dear Mr. Flanagan:

Please be advised that the Pittsburgh Water and Sewer Authority has approved the Water and Sewer (W/S) Use Application for the aforementioned Project. We have enclosed the W/S Use Approval Letter and the supporting documentation. The approved sanitary flows are summarized below:

Type of Sanitary Flow	Definition	Flow, gpd
Project Flow	Peak daily flow associated with the Project	16,306
Existing Flow	Peak daily flow within the past five years	0
Net Flow	= Project Flow – Existing Flow	16,306

Please see below for our Preliminary Determination on the Need for Sewage Planning:

- Yes, we believe the Project requires sewage planning
 No, we believe the Project does not require sewage planning

Based on the foregoing, please provide a Final Determination on the Need for Sewage Planning.

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x8035 or AFlores@pgh2o.com.

Sincerely,

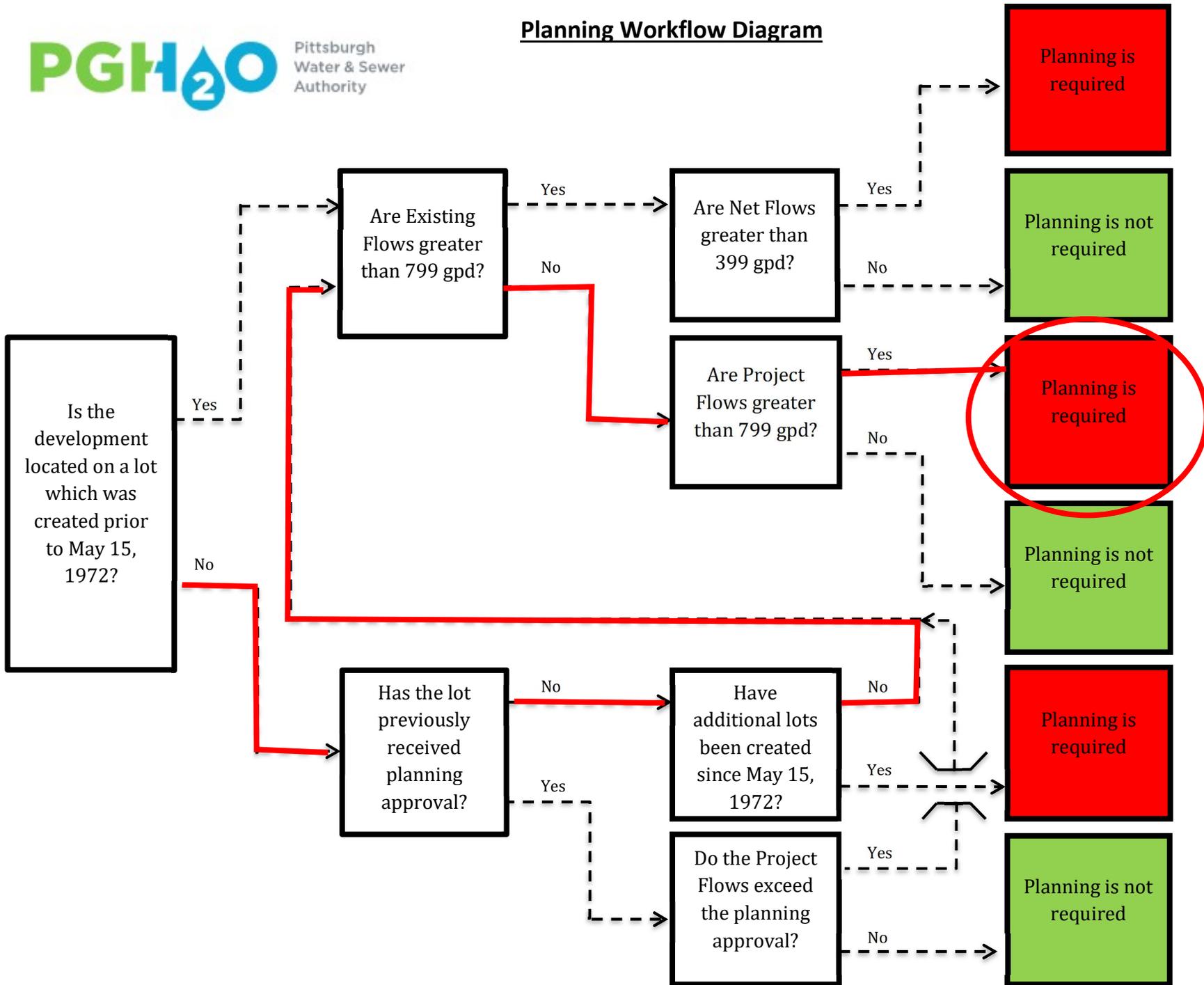


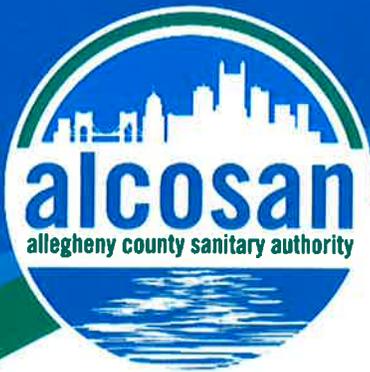
Ana Flores, EIT
Associate Project Manager

Enclosure(s)

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Robert Herring, P.E. – PWSA (via email)
Thomas Cenna – Applicant (via email)
eBuilder – Filing System (via email)

Planning Workflow Diagram





March 29, 2021

Members of the Board

Corey O'Connor
Chair Person

Rep. Harry Readshaw
Sylvia C. Wilson
Shannah Tharp-Gilliam, Ph.D.
Jack Shea
John Weinstein
Brenda L. Smith

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*Director
Finance & Administration*

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*Director
Environmental Compliance*

Jeanne K. Clark
*Director
Governmental Affairs*

Joseph Vallarian
*Director
Communications*

Mr. Thomas Cenna
Hampton Technical Associates
35 Wilson Street, Suite 201
Pittsburgh, PA 15223

**Re: East Liberty Centre
City of Pittsburgh, 11th Ward – Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Diversion Structure A-22-00**

Dear Mr. Cenna:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 11th Ward. The total subdivided project area will generate a peak flow of 16,306 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity at the A-22-00 Diversion Structure is approximately 31.2 MGD. The estimated peak dry weather flow is approximately 10.8 MGD. Dry weather capacity exists for this connection. 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 be made part of the planning module submission. The signed Component 3 Planning Module is attached. The sewers in this project are to be designed as separated sanitary and storm sewers. If you have any questions regarding this matter, please contact me at 412-732-8053.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Shawn P. McWilliams, EIT
Civil Engineer

Attachment

cc: C. Dean (w/o attachment)
D. Thornton (w/o attachment)
M. Lichte (w/o attachment)
Barry King/ PWSA (w/o attachment)
Thomas Flanagan/ PADEP (w/o attachment)
Fred Fields/ ACHD (w/o attachment)

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDIX C: PROJECT NARRATIVE



Corporate Office
35 Wilson Street -- #201 ★ Pittsburgh, PA 15223
Phone: (412) 781-9660 ★ Fax: (412) 781-5904

Mars Office
123 Ridge Road Suite B ★ Valencia, PA 16059
Phone: (724) 625-4544 ★ Fax: (724) 625-4549

email@hampton-tech.com
www.hampton-tech.com

Project Narrative:
EAST LIBERTY CENTRE
Mixed Use Building

6135 and 6145 Penn Avenue, City of Pittsburgh, Pennsylvania 15206, 11th Ward

General

Highwoods Realty Limited Partnership is proposing to construct a new mixed use (restaurant, retail and office) structure at the intersection of Penn Avenue and Centre Avenue at 6135 and 6145 Penn Avenue in the City of Pittsburgh, 15206, 11th ward. All existing mixed use structures have been or are to be razed. The new structure will be connected to the existing utilities where permitted. One (1) water and one (1) sewer tap are proposed. The proposed tap will reuse an existing tap where available. The following is a synopsis of the water and sewer tapping anticipated for the project.

Water Usage

The proposed approximate 50,000 square foot Building will obtain Domestic Water Service (DCW) and Fire Suppression Water Service (FSL) via a reused lateral tap to the existing 8" PWSA water line in Kirkwood Street. This tap location has been stationed on the Plan. A 6" Line will be conveyed towards the building. The 6" line will be split and a 6" Fire Suppression line and a 4" Domestic Line will be conveyed to the building. All lines will be established with a meter and RPZ Backflow Prevention just inside the building wall

Sanitary Sewage Flow

Sanitary Sewage from site will be routed through new 6" lateral at the new structure forming a wye connection to the existing 18" PWSA Combination Sewer in Kirkwood Street. The sewage flow travels through PWSA's system in a northerly path in an existing PWSA sewer main; and then eventually connects/flows to ALCOSAN's Allegheny River Interceptor at MH #A-24. All the wastewater from the site will flows through the Interceptor to ALCOSAN's Woods Run waste water treatment plant.

PWSA has requested that MH083P014 have a flow monitor installed in it for 30 days to verify the capacity of the most limited capacity sewer. The manhole is located near the intersection of Kirkwood Street and South Beatty Street. Drnach Environmental, Inc. (DE) monitored the sewer for 30 days between November 13, 2020 and December 12, 2020. The flows observed are listed in the spreadsheet report of data attached to this submittal. The depths were measured with a flow meter capable of meeting flow protocols established by EPA and DEP. The existing sewer slope was determined from PWSA's MLCS Spreadsheet.

Stormwater

The stormwater runoff flow will be routed through new 8" lateral from the main structure that makes a wye connection to the existing 18" PWSA Combination Sewer in Kirkwood Street. The stormwater flow then travels through PWSA system in a northerly path in an existing PWSA combination sewer system.



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Phone: (724) 625-4544 ★ Fax: (724) 625-4549

email@hampton-tech.com
www.hampton-tech.com

Flow Calculations for:

East Liberty Centre
6135 and 6145 Penn Avenue
Pittsburgh, Pennsylvania 15206 – 11th Ward

Highwoods Realty Limited Partnership is proposing the construction of an approximate 62,200 square foot mixed use building to be located at 6135 and 6145 Penn Avenue in the City of Pittsburgh. Existing water and sewer flows for the site are 0 gpd as the existing buildings on the site have been removed. The following is a synopsis of the water and sewer flows anticipated for the project.

East Liberty Centre: Total Anticipated Water Consumption (16,306 gpd)

6,982 sf Restaurant:

Anticipated water consumption: 11,736 gpd.

Supporting Data and Calculations:

1st Floor Restaurant: 1st floor – 6,982 sf space with a 70/30 dining room/kitchen split = 4,888 sf
4,888 sf dining room / 15 sf per occupant = 326 occupants X 12 gpd per person = 3,912 gpd
3,912 gpd X 3 turnovers = **11,736 sf**

45,625 sf Office:

Anticipated water consumption: 4,570 gpd.

Supporting Data and Calculations:

2nd Floor Office: 9,211 sf / 100 sf per occupant = 93 occupants X 10 gpd = 930 gpd
3rd Floor Office: 9,098 sf / 100 sf per occupant = 91 occupants X 10 gpd = 910 gpd
4th Floor Office: 9,098 sf / 100 sf per occupant = 91 occupants X 10 gpd = 910 gpd
5th Floor Office: 9,098 sf / 100 sf per occupant = 91 occupants X 10 gpd = 910 gpd
6th Floor Office: 9,098 sf / 100 sf per occupant = 91 occupants X 10 gpd = 910 gpd

4,570 gpd

PROPOSED TOTALS: 11,736 gpd + 4,570 gpd = 16,306 gpd

Assumption: 1 EDU = 400 gpd/EDU

16,306 gpd ÷ 400 gpd/EDU = 41 EDU's

Anticipated water consumption is **16,306 gpd**

Current consumption is equal to **0 gpd**

**East Liberty Centre:
Anticipated Sanitary Sewage Flows – (16,306 gpd)**

There are sanitary service terminations scheduled for this project.

6,982 sf Restaurant:

Anticipated sewer flows: 11,736 gpd.

Supporting Data and Calculations:

1st Floor Restaurant: 1st floor – 6,982 sf space with a 70/30 dining room/kitchen split = 4,888 sf
4,888 sf dining room / 15 sf per occupant = 326 occupants X 12 gpd per person = 3,912 gpd
3,912 gpd X 3 turnovers = **11,736 sf**

45,625 sf Office:

Anticipated sewer flow: 4,570 gpd.

Supporting Data and Calculations:

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6th Floor Office: 9,098 sf / 100 sf per occupant = 91 occupants X 10 gpd = 910 gpd

4,570 gpd

PROPOSED TOTALS: 11,736 gpd + 4,570 gpd = 16,306 gpd
Assumption: 1 EDU = 400 gpd/EDU

16,306 gpd ÷ 400 gpd/EDU = 41 EDU's

Anticipated sewer flow is **16,306 gpd**

Current flow condition is equal to **0 gpd**

**East Liberty Centre:
Proposed Stormwater Runoff (1.267 cfs)**

Development Runoff

Total Drainage area = (11,193 sf) 0.2570 acres = A_t
Total Impervious area = (9,113 sf) 0.2092 acres = A_i
Total Pervious area = (2,080 sf) 0.0478 acres = A_p

Impervious coefficient = 0.95 = C_i

Pervious coefficient = 0.45 = C_p

(Impervious area * C_i) / Total Drainage area = C_{avg}
(0.2092 * 0.95) / 0.2570 = 0.77

(Pervious area * C_p) / Total Drainage area = C_{avg}
(0.0478 * 0.45) / 0.2570 = 0.08

$\sum C_{avg} = 0.85 = \text{weighted coefficient} = C$

The peak discharge Q is equal to the weighted coefficient C (0.85), based on the characteristics of the surface; multiplied by the rainfall intensity I (5.8 in/hr); multiplied by the total drainage area (0.2570 acres). Thus $Q = (0.85) * (5.8) * (0.2570) = 1.267 \text{ cfs. (25-year storm intensity event)}$

The existing runoff is 1.267 cfs

Total Drainage area = (11,193 sf) 0.2570 acres = A_t
Total Impervious area = (10,569 sf) 0.2426 acres = A_i
Total Pervious area = (624 sf) 0.0143 acres = A_p

Impervious coefficient = 0.95 = C_i
Pervious coefficient = 0.45 = C_p

$(\text{Impervious area} * C_i) / \text{Total Drainage area} = C_{avg}$
 $(0.2426 * 0.95) / 0.2570 = 0.90$
 $(\text{Pervious area} * C_p) / \text{Total Drainage area} = C_{avg}$
 $(0.0143 * 0.45) / 0.2570 = 0.03$

$\sum C_{avg} = 0.93 = \text{weighted coefficient} = C$

The peak discharge Q is equal to the weighted coefficient C (0.93), based on the characteristics of the surface; multiplied by the rainfall intensity I (5.8 in/hr); multiplied by the total drainage area (0.2570 acres). Thus $Q = (0.93) * (5.8) * (0.2570) = 1.386 \text{ cfs. (25-year storm intensity event)}$

The proposed runoff is 1.386 cfs

On site storm controls will reduce the peak discharge from site to **1.267 cfs.**

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDIX D: PROPOSED WASTEWATER DISPOSAL FACILITIES

Appendix D
Proposed Wastewater Disposal Facilities

1. Collection System

The East Liberty Centre development will tap an existing 18-inch public sewage collection system in Kirkwood Street.

2. Wastewater Treatment Facility

The East Liberty Centre development will be serviced by the existing ALCOSAN treatment facility.

3. Social Economic Justification

The proposed project does not involve a discharge of treated effluent.

4. Plot Plan

The proposed project involves the construction of a mixed use structure. The building will have approximately 62,000 square feet.

Drawing “SFPM” provides a plot plan and addresses the requested information (as outlined in the Instructions for Completing Component 3 – Sewage Collection and Treatment Facilities) as summarized in Table D-1.

5. Wetland Protection

No wetlands have been identified within the proposed project area.

6. Primary Agricultural Land Protection

The East Liberty Centre development does not involve the disturbance of prime agricultural lands.

7. Historic Preservation Act

A Cultural Resources Notice was not submitted to the PMHC, Bureau of Historic Preservation. Per DEP/PMHD policies and procedures implementation of the history code list of Exemptions May 2066 (0120-PM-PY003a Rev. 5/2006) component 3 – sewage collection and treatment facilities is exempt if the earth disturbance is less than 10 acres. The earth disturbance for the site is less than 10 acres.

TABLE D-1

**The East Liberty Centre development
SEWAGE FACILITIES PLANNING MODULE**

PLOT PLAN

Information Requested	Plot Plan (Drawing SFP)
a. Existing and proposed buildings	Existing and proposed buildings in the project area are shown on Drawing “SFPM”.
b. Lot lines and lot sizes	Drawing “SFPM” shows the overall view of the proposed development. Refer to Appendix C for project narrative.
c. Adjacent lots	Drawing “SFPM” shows adjacent properties.
d. Remainder of tract	Not Applicable.
e. Existing/proposed sewage facilities	The existing private collection system is identified on Drawing “SFPM”.
f. Tap-in or extension to point of connection of existing collection system	Tap-in to existing private sewer line is shown on Drawing “SFPM”.
g. Existing and proposed water supplies	The existing water main and taps are shown on Drawing “SFPM”.
h. Existing/proposed right-of-way	Not Applicable –
i. Existing/proposed buildings, streets, roadways, access roads, etc.	Drawing “SFPM” shows listed items.
j. Designated recreational/open area	Recreational and open spaces are identified on Drawing “SFPM”.
k. Wetlands	No wetlands have been identified within the East Liberty Centre development.
l. Flood plains/flood prone areas/floodways	Not Applicable.
m. Prime Agricultural Land	No agricultural lands are found on site.
n. Other Facilities	Drawing “SFPM” shows existing utility lines.
o. Orientation to North	Shown on Drawing “SFPM”.
p. Location of all site Testing Activities	Not Applicable.
q. Soil Type Boundaries	Shown on Drawing “SFPM”. UCD (Urban Land - Culleoka complex)
r. Topographic lines/elevations	Shown on Drawing “SFPM”.

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDIX E: CULTURAL RESOURCE NOTICE

Appendix E
Cultural Resource Notice

A Cultural Resources Notice was not submitted to the PMHC, Bureau of Historic Preservation. Per DEP/PMHD policies and procedures implementation of the history code list of Exemptions May 2066 (0120-PM-PY003a Rev. 5/2006) component 3 – sewage collection and treatment facilities is exempt if the earth disturbance is less than 10 acres. The earth disturbance for the site is less than 10 acres.

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDIX F: ALTERNATIVE SEWAGE FACILITIES ANALYSIS

Appendix F
Alternative Sewage Facilities Analysis

There are two options for providing sewage services to the proposed East Liberty Centre development. Option 1 is to create a new tap on an existing 18-inch PWSA public collection system that runs in Kirkwood Avenue just upstream of a PWSA manhole. The Pittsburgh Water and Sewer Authority (PWSA) owns and operates the line. PWSA has been consulted about providing sewage services to the project (Option 1) and this is their preferred option. Option 2 would be to construct an on-lot system within the development area. Some concerns with option 2 are that the area required to construct these facilities are not ideal for urbanized areas as they require a relatively large footprint. The project would not be economical viable with this option. Sewerage would be conveyed to both options via laterals from the Development.

1. The chosen disposal method is Option 1, an ultimate method, and that is to create a “Separated House Lateral One Connection to Main” tap-in to an existing 18-inch combination sewer line. The flow for the proposed development is 16,306 GPD or 41 EDU’s. Zero (0) EDU’s are existing.
2. The surrounding properties to the south, north and west are zoned UNC – Urban Neighborhood Commercial district same as the site to be developed. The property east of the site is zoned AP – Mixed-Use Planned Unit Development. They are all serviced by Municipal Collection (Pittsburgh Water and Sewer Authority (PWSA). Regional Conveyance and Treatment Allegheny County Sanitary Authority (ALCOSAN).
3. The PWSA is in the process of completing local as well as regional and multi-municipal Feasibility Studies. At this time there is no indication that there would be public/private projects proposed. The PWSA has capacity to service the land uses.
4. The approved method of sewage disposal in the City of Pittsburgh’s Official Sewage Facilities Plan is public sewers.
5. There are no existing sewage management programs in the area.
6. The chosen method of tapping into an existing 18-inch combination collection system to serve the development would serve the short and long-term needs because it can convey the required 16,306 GPD (41 EDU’s), to meet the full development of the site. There is existing 0 GPD of use at the project site for an increase of 16,306 GPD.

Option 2 was not chosen because on-lot sewerage is not recommended in urban areas.

Using the current PWSA approved sewage flow estimates would result in an on-site system that may cover substantial amounts of land. The topography and urban nature of the surrounding area limit potential area that can support this method. This system is impractical to build and operate successfully over time and has been discounted in the evaluation.

A more detailed project narrative is contained in Appendix C of this submittal.

7.
 - a. An area of concern for picking the preferred disposal method was the need to avoid unnecessary earth disturbance and avoid methods that would have long term maintenance concerns that could degrade the environment.
 - b. The topography and soils will not work for subsurface absorption system and the flow is too large.
 - c. The sewage treatment plant to be utilized is the existing ALCOSAN facility that is permitted through the PADEP.
 - d. The existing sewage collection system-and proposed extension are adequately sized to accept the increase in flow.
 - e. The chosen disposal method is the most cost effective for the developer as it will require the least amount public infrastructure improvements to service the development. This method will minimize to the highest extent practicable the long-term maintenance costs for the new collection system.
8. The existing collection system is owned and operated by PWSA.

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDIX G: PNHP CORRESPONDENCE

1. PROJECT INFORMATION

Project Name: **East Liberty Centre**

Date of Review: **4/19/2021 04:05:40 PM**

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

Project Area: **0.36 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: **40.461024, -79.922736**

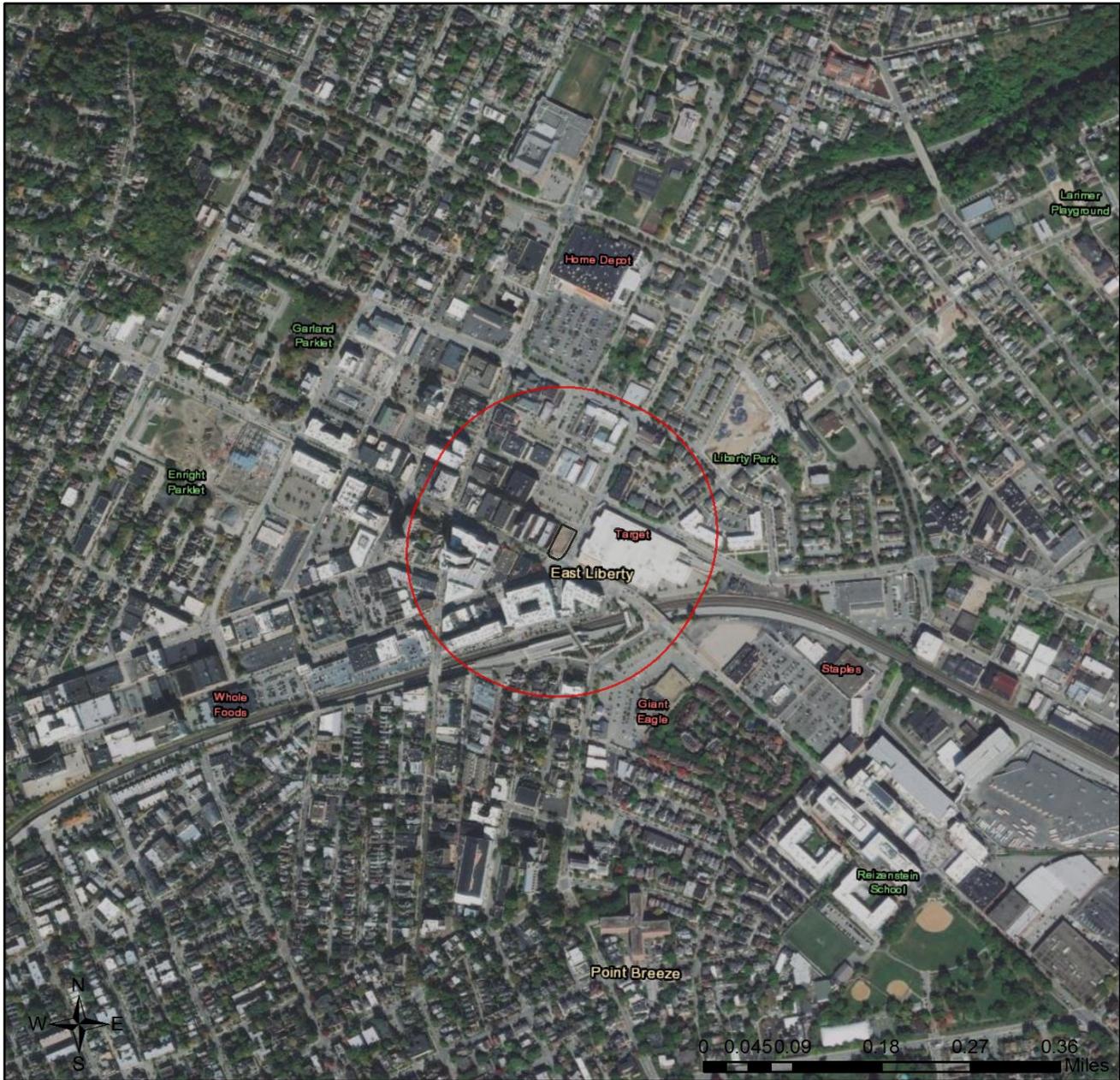
Degrees Minutes Seconds: **40° 27' 39.6855" N, 79° 55' 21.8498" W**

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 Liberty Centre

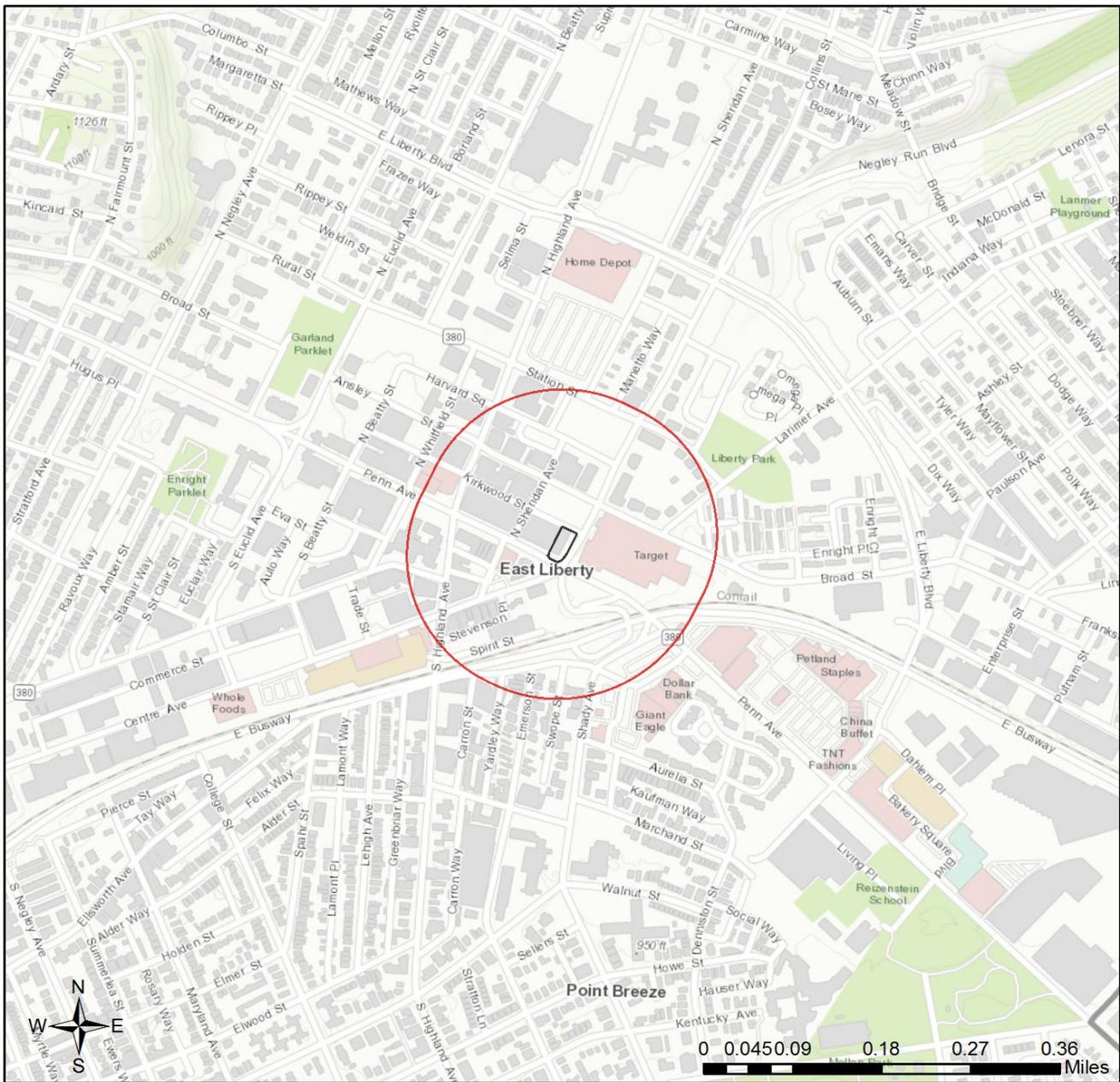


- Project Boundary
- Buffered Project Boundary



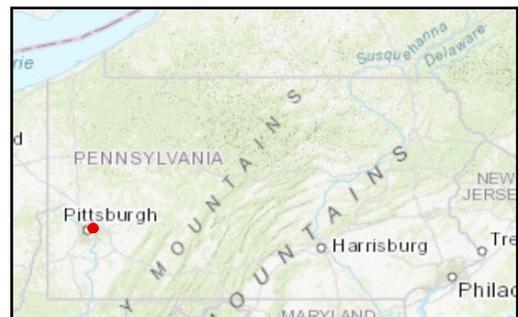
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China

East Liberty Centre



- Project Boundary
- Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, Garmin, Intemap, 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



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

7. PROJECT CONTACT INFORMATION

Name: Thomas Cenna
Company/Business Name: Hampton Technical Associates, Inc.
Address: 35 Wilson Street, #201
City, State, Zip: Pittsburgh, PA 15223
Phone: (412) 781-9660 Fax: (412) 781-5904
Email: ThomasC@hampton-tech.net

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.

Thomas Cenna
applicant/project proponent signature

4/19/2021
date

SEWAGE FACILITIES PLANNING MODULE
East Liberty Centre
APPENDIX H: PUBLIC NOTICE

Appendix H
Public Notice

Public notice was not filed because the necessary thresholds were not met in Component 3 – Sewage Collection and Treatment Facilities, Section P “Public Notification Requirement”. All questions were answered no, therefore a public notice is not required.

