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SEWAGE FACILITY PLANNING MODULE PA DEP Tracking Code No: _____

Arch Street & West North Avenue Residential Development

Located at

114 West North Avenue
Pittsburgh, PA 15212

Job # 13561

PREPARED FOR

*October Development
610 Lockhart street
Pittsburgh, PA 15212*

LOCATION

*22nd Ward City of Pittsburgh
Allegheny County, Pennsylvania*

Prepared: xx-xx-xxxx



Christopher M. Schmidt



Table of Contents

DESCRIPTION	PAGE
--------------------	-------------

1.0 Transmittal Letters & Resolutions

Transmittal Letter from PADEP

Transmittal Letter to PADEP

Resolution for Plan Revision for New Land Development

2.0 Component 3: Sewage Collection and Treatment Facilities Module

A. Project Information	1
B. Client (Municipality Information)	1
C. Site Information	2
D. Project Consultant Information.....	2
E. Availability of Drinking Water Supply.....	2
F. Project Narrative	2
G. Proposed Wastewater Disposal Facilities	3
H. Alternative Sewage Facilities Analysis	5
I. Compliance with Water Quality Standards and Effluent Limitations	5
J. Chapter 94 Consistency Determination	6
K. Treatment and Disposal Options.....	6
L. Permeability Testing (Not Applicable).....	7
M. Preliminary Hydrogeologic Study (Not Applicable)	7
N. Detailed Hydrogeologic Study (Not Applicable)	8
O. Sewage Management	8
P. Public Notification Requirement	9
Q. False Swearing Statement.....	10
R. Review Fee.....	10

3.0 Planning Review

Component 4A: Municipal Planning Agency Review

Component 4C: County or Joint Health Department Review

4.0 References

EXHIBITS

Exhibit #1	USGS - Site Location Map
Exhibit #2	Site Location Map
Exhibit #3	Aerial Map
Exhibit #4	USDA - Soil Survey Map

DRAWINGS

<u>SHEET</u>	<u>DESCRIPTION</u>
SFPM	Sewage Facilities Planning Module – Plot Plan

APPENDICES

- Appendix A: Availability of Water Supply
- Appendix B: Sewage Availability of Capacity & Allocation
- Appendix C: Project Narrative
- Appendix D: Proposed Wastewater Disposal Facilities
- Appendix E: Cultural Resource Notice
- Appendix F: Alternative Sewage Facilities Analysis
- Appendix G: PNHP / PNDI Correspondence
- Appendix H: Public Notice

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
SECTION 1.0 - TRANSMITTAL LETTERS & RESOLUTIONS

**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
TRANSMITTAL LETTER FROM PADEP**

Waiting for Response

**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
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)
 Department of Environmental Protection
 South West Regional Office
 Thomas E. Flanagan
 400 Waterfront Drive, Pittsburgh, PA 15222

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Christopher M. Schmidt, PE
(Name)

Project Engineer for Arch Street & West North Avenue - Residential
Development
(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.

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Resolution of Adoption | <input checked="" type="checkbox"/> 3 Sewage Collection/Treatment Facilities | <input checked="" type="checkbox"/> 4A Municipal Planning Agency Review |
| <input type="checkbox"/> Module Completeness Checklist | <input type="checkbox"/> 3s Small Flow Treatment Facilities | <input type="checkbox"/> 4B County Planning Agency Review |
| <input type="checkbox"/> 2 Individual and Community Onlot Disposal of Sewage | | <input checked="" type="checkbox"/> 4C County or Joint Health Department Review |

Municipal Secretary (print)

Signature

Date

Waiting for Response

**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT**

DEP Code No.

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) of the City of Pittsburgh
(TOWNSHIP) (BOROUGH) (CITY), Allegheny COUNTY, PENNSYLVANIA (hereinafter "the municipality").

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 (DEP) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, require the municipality to adopt an Official Sewage Facilities 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 land development conforms to a comprehensive program of pollution control and water quality management, and

WHEREAS October Development has proposed the development of a parcel of land identified as
land developer

Arch St. & West North Avenue - Residential Dev, and described in the attached Sewage Facilities Planning Module, and
name of subdivision

proposes that such subdivision be served by: (check all that apply), sewer tap-ins, sewer extension, new treatment facility, individual onlot systems, community onlot systems, spray irrigation, retaining tanks, other, (please specify). _____

WHEREAS, the City of Pittsburgh finds that the subdivision described in the attached
municipality

Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

NOW, THEREFORE, BE IT RESOLVED that the (Supervisors) (Commissioners) (Councilmen) of the (Township) (Borough) (City) of Pittsburgh hereby adopt and submit to DEP for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module which is attached hereto.

I _____, Secretary, _____
(Signature)

Township Board of Supervisors (Borough Council) (City Councilmen), hereby certify that the foregoing is a true copy of the Township (Borough) (City) Resolution # _____, adopted, _____, 20_____.

Municipal Address:

Seal of
Governing Body

Telephone _____

Waiting for Response

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
SECTION 2.0
COMPONENT 3: SEWAGE COLLECTION AND TREATMENT FACILITIES MODULE

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY

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

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Arch Street & West North Avenue - Residential Development

2. Brief Project Description Development of 8 new townhomes.

The existing church and 1 other building are being razed and the remaining existing 3-story single family dwelling being converted to a townhome.

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

Municipality Name	County	City	Boro	Twp
22nd Ward 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

Arch Street & West North Avenue - Residential Development

Site Location Line 1
114 West North Ave

Site Location Line 2

Site Location Last Line -- City	State	ZIP+4	Latitude	Longitude
Pittsburgh	PA	15212	40.4555619	-80.008244

Detailed Written Directions to Site [START]DEP@400 Waterfront Dr; South on Waterfront Dr; Continue to 30th St Bridge; Right onto River Ave; Left onto 31st St Bridge; Turn Left merge to PA-28 S; Take exit 1B for East Ohio Street toward I-279 N; Continue onto E Ohio St; Use the right lane to turn right onto E Commons; Slight right onto Federal St; Turn left onto W North Ave to 114 West North Ave[END]

Description of Site The site consists of an existing church and two other dwellings and a gravel parking area.

Site Contact (Developer/Owner)

Last Name	First Name	MI	Suffix	Phone	Ext.
Lewis	Jessica			412-980-3627	

Site Contact Title Site Contact Firm (if none, leave blank)

Owner Representative October Development

FAX Email
jessica@ckgroupppgh.com

Mailing Address Line 1 Mailing Address Line 2
610 Lockhart street

Mailing Address Last Line -- City	State	ZIP+4
Pittsburgh	Pa	15212

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

Last Name	First Name	MI	Suffix
Swab	David		

Title Consulting Firm Name
Project Manager Hampton Technical Associates, Inc

Mailing Address Line 1 Mailing Address Line 2
35 Wilson Street Suite 201

Address Last Line -- City	State	ZIP+4	Country
Pittsburgh	Pa	15223	United States

Email	Area Code + Phone	Ext.	Area Code + FAX
dauids@hampton-tech.net	412-781-9660		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: Pittsburgh Water & Sewer Authority (PWSA)

F. PROJECT NARRATIVE (See Section F of instructions)

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

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

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

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

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

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

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 8.25

Connections 8

Name of:

existing collection or conveyance system West North Avenue - 15" VCP Combined Sewer

owner The Pittsburgh Water & Sewer Authority (PWSA)

existing interceptor Allegheny River Interceptor

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 Wood's Run (WWTP)

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number _____

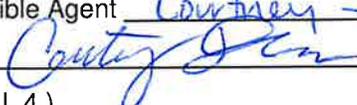
Location of discharge point for a new facility. Latitude 402834 Longitude 800244

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 (WWTP)
(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 Allegheny County Sanitary Authority (ALCOSAN)

Name of Responsible Agent Courtney Demm, E.I.T.

Agent Signature  Date 06/01/2022

(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 3,300 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	2,605,464	9,119,125	26,731	93,557	29,057	101,700
Conveyance		23,300,000	4,420,000	4,780,000	4,467,533	4,831,133
Treatment		250,000,000	191,500,000	250,000,000	228,342,000	295,000,000

3. Collection and Conveyance Facilities

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

YES NO

- a. 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?

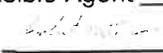
If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved Corrective Action Plan (CAP) granting an allocation for this project. A letter granting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

Name of Responsible Agent Robert Herring

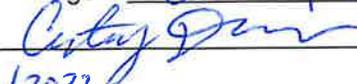
Agent Signature  Robert Herring 2022.05.25 11:05:02 -04:00 Date 5/25/2022

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

c. Conveyance System

Name of Agency, Authority, Municipality Allegheny County Sanitary Authority (ALCOSAN)

Name of Responsible Agent Courtney Dimm, E.I.T.

Agent Signature 

Date 06/01/2022

4. Treatment Facility

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

YES NO

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

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

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

- b. Name of Agency, Authority, Municipality Allegheny County Sanitary Authority (ALCOSAN)

Name of Responsible Agent Courtney Dimm, E.I.T.

Agent Signature 

Date 06/01/2022

K. TREATMENT AND DISPOSAL OPTIONS (See Section K of instructions)

This section is for land development projects that propose construction of wastewater treatment facilities. Please note that, since these projects require permits issued by DEP, these projects may **NOT** receive final planning approval from a delegated local agency. Delegated local agencies must send these projects to DEP for final planning approval.

Check the appropriate box indicating the selected treatment and disposal option.

- 1. Spray irrigation (other than individual residential spray systems (IRSIS)) or other land application is proposed, and the information requested in Section K.1. of the planning module instructions are attached.
- 2. Recycle and reuse is proposed and the information requested in Section K-2 of the planning module instructions is attached.
- 3. A discharge to a dry stream channel is proposed, and the information requested in Section K.3. of the planning module instructions are attached.
- 4. A discharge to a perennial surface water body is proposed, and the information requested in Section K.4. of the planning module instructions are attached.

L. PERMEABILITY TESTING (See Section L of instructions)

- The information required in Section L of the instructions is attached.

M. PRELIMINARY HYDROGEOLOGIC STUDY (See Section M of instructions)

- The information required in Section M of the instructions is attached.

N. DETAILED HYDROGEOLOGIC STUDY (See Section N of instructions)

The detailed hydrogeologic information required in Section N. of the instructions is attached.

O. SEWAGE MANAGEMENT (See Section O of instructions)

(1-3 for completion by the developer(project sponsor), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)

Yes No

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

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

2. Project Flows _____ gpd

Yes No

3. Is the use of nutrient credits or offsets a part of this project?

If yes, attach a letter of intent to purchase the necessary credits and describe the assurance that these credits and offsets will be available for the remaining design life of the non-municipal sewage facility;

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

The questions below are to be answered by the organization/individual responsible for the non-municipal collection and conveyance facilities. The individual(s) signing below must be legally authorized to make representation for the organization.

Yes No

a. If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, a representative of the organization responsible for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 71 §71.53(d)(3) and that this proposal will not affect that status.

b. Collection System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

c. Conveyance System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

The questions below are to be answered by a representative of the facility permittee. The individual signing below must be legally authorized to make representation for the organization.

Yes No

- a. If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this issue is resolved.

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

- b. Name of Facility _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

(For completion by the municipality)

6. The **SELECTED OPTION** necessary to assure long-term proper operation and maintenance of the proposed non-municipal facilities is clearly identified with documentation attached in the planning module package.

P. PUBLIC NOTIFICATION REQUIREMENT (See Section P of instructions)

This section must be completed to determine if the applicant will be required to publish facts about the project in a newspaper of general circulation to provide a chance for the general public to comment on proposed new land development projects. This notice may be provided by the applicant or the applicant's agent, the municipality or the local agency by publication in a newspaper of general circulation within the municipality affected. Where an applicant or an applicant's agent provides the required notice for publication, the applicant or applicant's agent shall notify the municipality or local agency and the municipality and local agency will be relieved of the obligation to publish. The required content of the publication notice is found in Section P of the instructions.

To complete this section, each of the following questions must be answered with a "yes" or "no". Newspaper publication is required if any of the following are answered "yes".

Yes No

1. Does the project propose the construction of a sewage treatment facility ?
2. Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3. Will the project result in a public expenditure for the sewage facilities portion of the project in excess of \$100,000?
4. Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5. Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6. Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
7. Does the project involve a major change in established growth projections?
8. Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?

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

- 9. Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
- 10. Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
- 11. Will sewage facilities discharge into high quality or exceptional value waters?
- Attached is a copy of:
 - the public notice,
 - all comments received as a result of the notice,
 - the municipal response to these comments.
- No comments were received. A copy of the public notice is attached.

Q. FALSE SWEARING STATEMENT (See Section Q of instructions)

I verify that the statements made in this component are true and correct to the best of my knowledge, information and belief. I understand that false statements in this component are made subject to the penalties of 18 PA C.S.A. §4904 relating to unsworn falsification to authorities.

Alfred DePasquale	<i>Alfred DePasquale</i>
Name (Print)	Signature
Manager - October Development	3/31/22
Title	Date
610 Lockhart Street, Pittsburgh, PA 15212	4129803627
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 \$450 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.

$$\#8.25 \text{ edu} \quad (\text{round up to } 9 \times \$50) \text{ Lots (or EDUs)} \times \$50.00 = \$ 450$$

The fee is based upon:

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

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

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

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

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

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

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
 - For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
 - For non-single family residential projects, EDUs are calculated using projected population figures
- C. A sub-surface discharge system that requires a permit under The Clean Streams Law will use a flat fee:
- $$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

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.
- 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.
- Permeability information (if applicable).
- Preliminary hydrogeology (if applicable).
- 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

Signature of Municipal Official

Date submittal determined complete

Waiting for Response

**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
SECTION 3.0 PLANNING REVIEW**

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
COMPONENT 4A: MUNICIPAL PLANNING AGENCY REVIEW



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:

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

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

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

Project Name
Arch Street & West North Avenue - Residential Development

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

1. Date plan received by municipal planning agency July 5th, 2022
2. Date review completed by agency July 19th, 2022

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

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)?
<input type="checkbox"/> N/A	<input type="checkbox"/>	2. Is this proposal consistent with the comprehensive plan for land use? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Is this proposal consistent with the use, development, and protection of water resources? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Does this project propose encroachments, obstructions, or dams that will affect wetlands? If yes, describe impacts _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Will any known historical or archaeological resources be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Will any known endangered or threatened species of plant or animal be impacted by this project? If yes, describe impacts _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	8. Is there a municipal zoning ordinance?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. Is this proposal consistent with the ordinance? If no, describe the inconsistencies <u>Under Review</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?
<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies <u>Under Review</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____
17. Name, title and signature of planning agency staff member completing this section: Name: <u>Kyla Prendergast</u> Title: <u>Senior Environmental Planner</u> Signature: <u><i>Kyla Prendergast</i></u> Date: <u>July 10th, 2022</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>412-255-2676</u>		

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

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

The planning agency must complete this component within 60 days.

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

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
COMPONENT 4C: COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

**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

Arch Street & West North Avenue - Residential Development

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

1. Date plan received by county or joint county health department June 28, 2022

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency June 29, 2022

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?

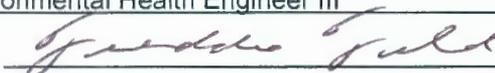
If yes, describe _____

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 Fields

Title: Environmental Health Engineer III

Signature: 

Date: June 29, 2022

Name of County Health Department: ACHD

Address: 3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318

Telephone 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

June 29, 2022

David Swab
Hampton Technical Associates, Inc.
35 Wilson Street, Suite 201
Pittsburgh, PA 15223

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
Arch Street & West North Avenue – Residential Development, City of Pittsburgh**

Dear Mr. Swab:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on June 28, 2022. The project proposes the following:

Project Description:	Arch Street & West North Avenue - Residential Development. Proposing to convert 2 existing lots and re-subdivide them into a new 8 lot residential development consisting of 8 Townhomes located at 114 West North Avenue in the City of Pittsburgh, Allegheny County.
Sewage Flow:	3,300 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to ALCOSAN POC A-48 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, FAAP, FABM, 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. David Swab
June 30, 2022
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 Drew Grese, Acting Plumbing Chief at 412-578-8055.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Freddie Fields".

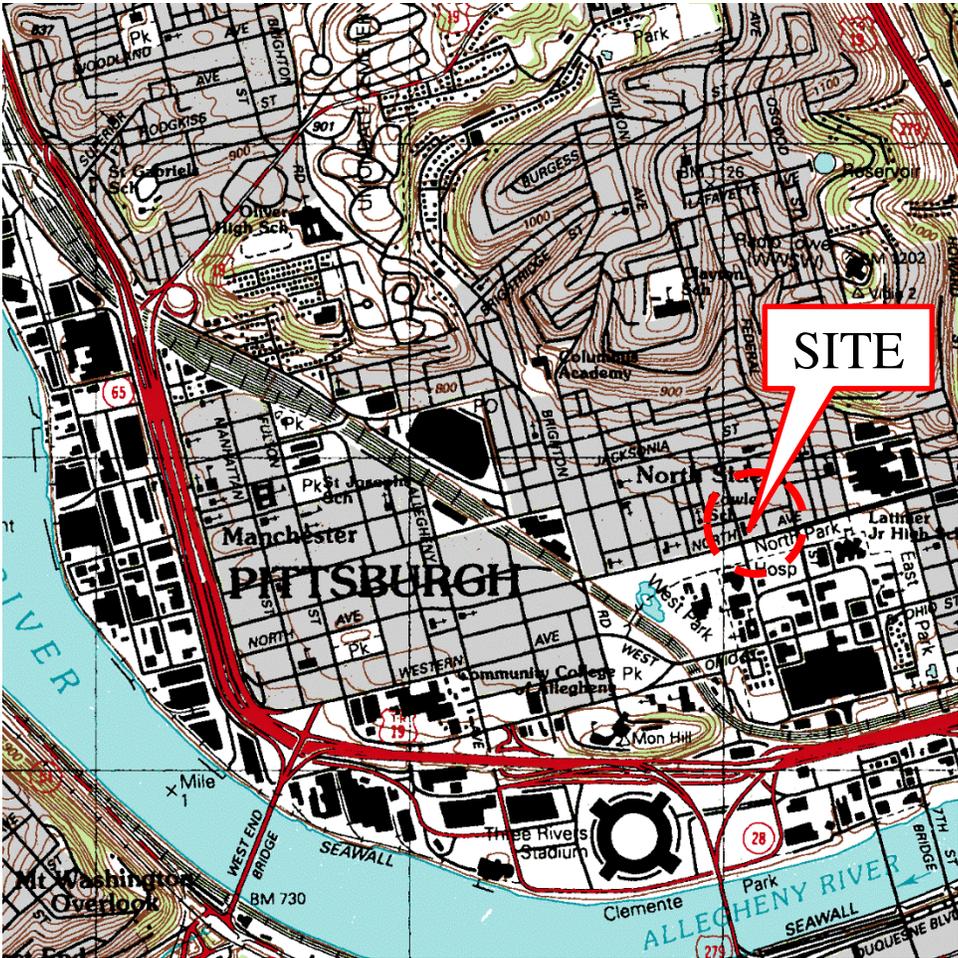
Freddie Fields, M.B.A.
Environmental Health Engineer III
Water Pollution Control & Solid Waste Management

FF/cb
Enclosure

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

**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
SECTION 4.0 REFERENCES**

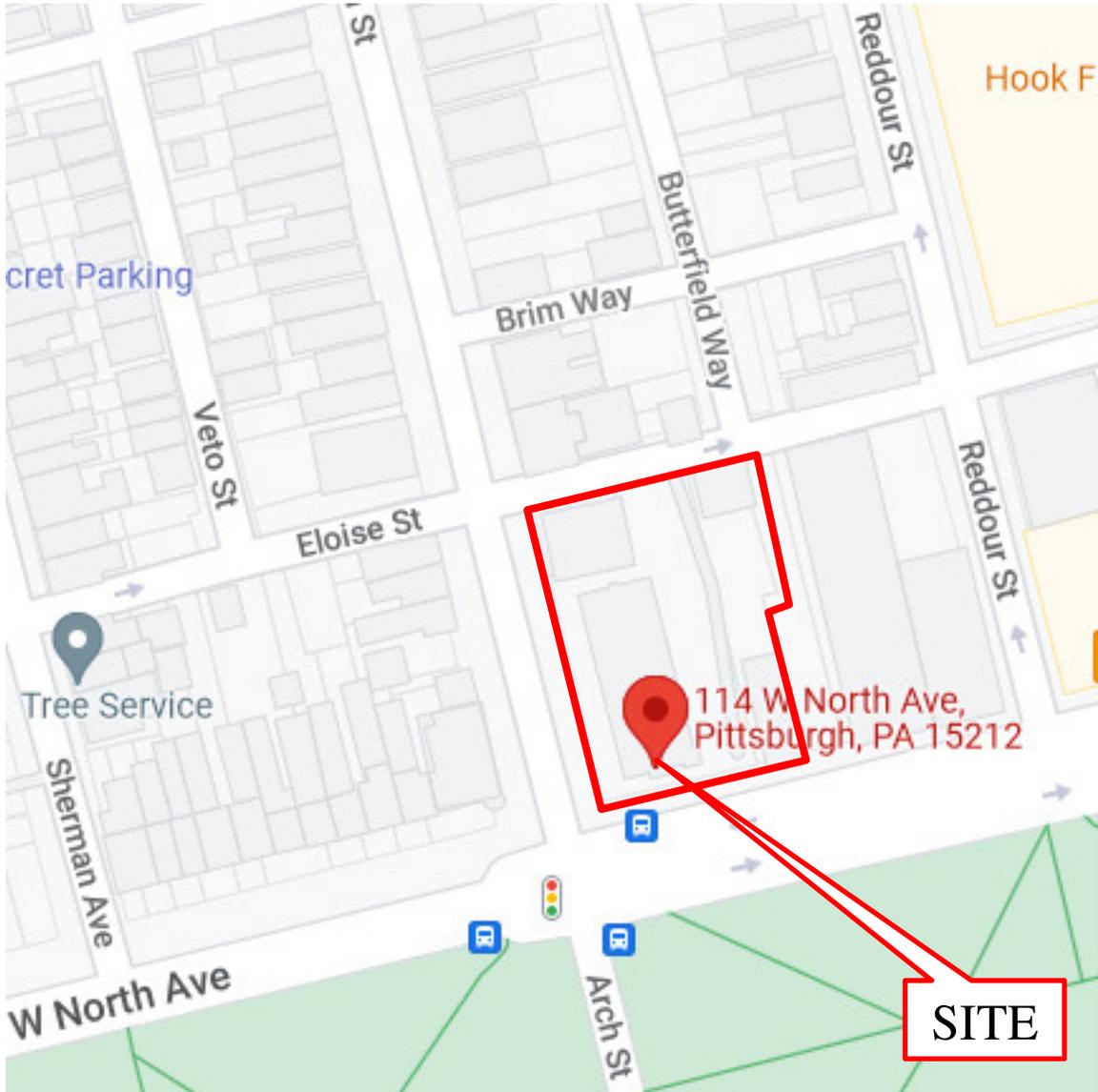
**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
EXHIBITS**



Scale - 1" = 2000'

Exhibit #1

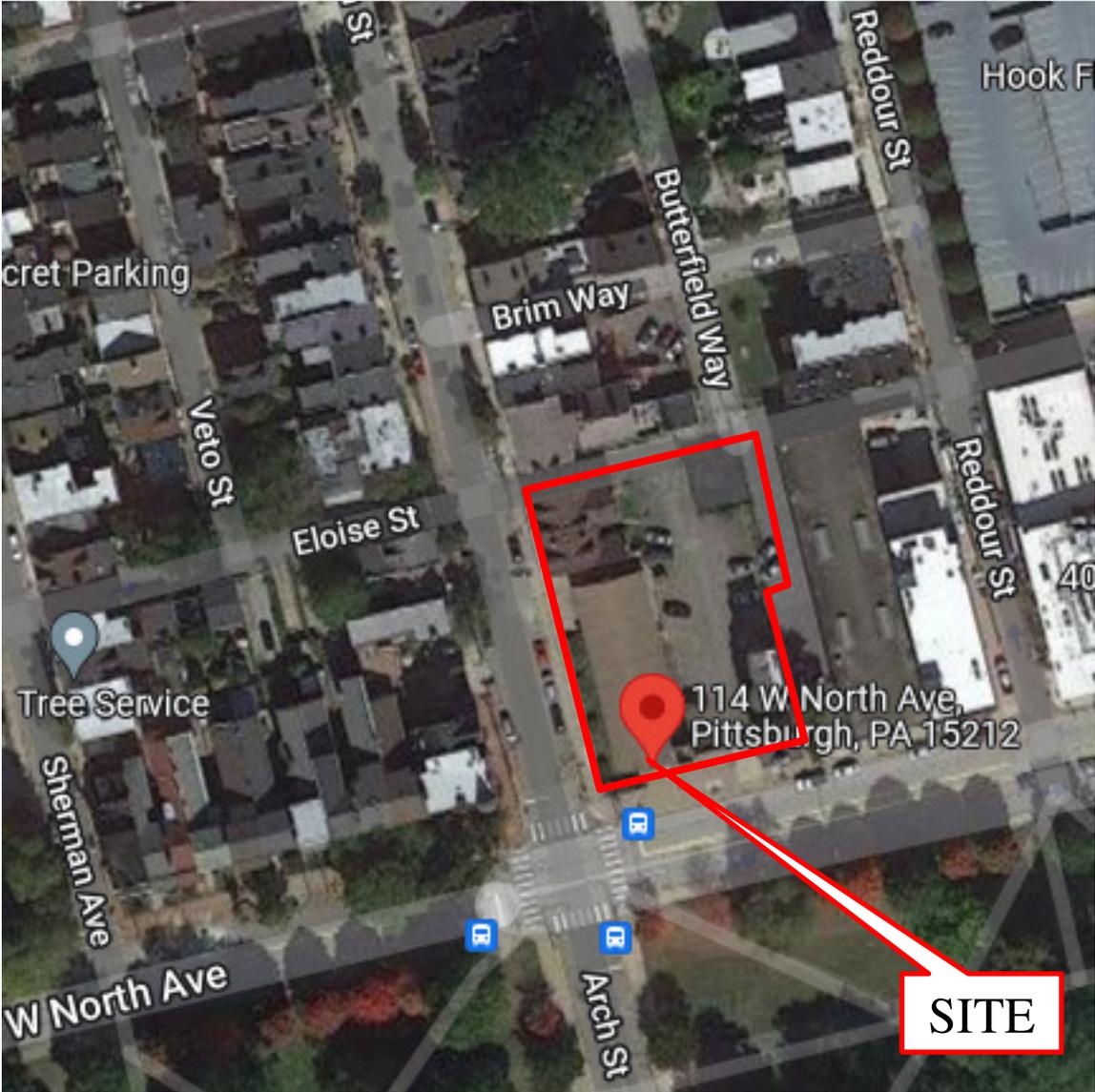
USGS - Site Location Map
Pittsburgh West, Pennsylvania Quadrangle



No Scale

Exhibit #2

Google Street Map



No Scale

Exhibit #3

Google Aerial Map



No Scale
Exhibit #4
USDA – Soils Map

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
DRAWING
(FULL SIZE DRAWING ALSO ATTACHED)

**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
APPENDICES**

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
APPENDIX A: AVAILABILITY OF WATER SUPPLY



06/21/2022

Thomas Sheppard
Hampton Technical Associates, Inc.
35 Wilson St, Pittsburgh PA 15223-1719

RE: Water and Sewer Availability
114 W North Ave, Pittsburgh PA 15212-4609

Dear Thomas Sheppard

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

Water service available: Yes

Sewer service available: Yes

24" W. North Avenue
10" Arch Street

15" W. North Avenue
18" Arch Street

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

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

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

Sincerely,

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

Wendy M. Dean
Engineering Tech II

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
APPENDIX B: SEWAGE AVAILABILITY OF CAPACITY & ALLOCATION

Arch Street & West North Avenue - Residential Development
22nd Ward City of Pittsburgh, Allegheny County, Pennsylvania
Sewage Facilities Planning Module



Sewer Flow Path Map



06/21/2022

Thomas Sheppard
Hampton Technical Associates, Inc.
35 Wilson St, Pittsburgh PA 15223-1719

RE: Water and Sewer Availability
114 W North Ave, Pittsburgh PA 15212-4609

Dear Thomas Sheppard

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

Water service available: Yes

Sewer service available: Yes

24" W. North Avenue
10" Arch Street

15" W. North Avenue
18" Arch Street

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

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

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

Sincerely,

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

Wendy M. Dean
Engineering Tech II



June 1, 2022

Members of the Board

Sylvia C. Wilson
Chair Person
Shannah Tharp-Gilliam, Ph.D.
Harry Readshaw
Corey O'Connor
Jack Shea
Emily Kinkead
Paul Klein

Arletta Scott Williams
Executive Director

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

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

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

Karen Fantoni, CPA, CGMA
*Director
Finance*

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

Jeanne K. Clark
*Director
Governmental Affairs*

Joseph Vallarian
*Director
Communications*

Julie Motley-Williams
*Director
Administration*

David Swab
Hampton Technical Associates, Inc.
35 Wilson Street – Suite 201
Pittsburgh, PA 15223

**Re: Arch Street & West North Avenue – Residential Development
114 West North Avenue, Pittsburgh, PA 15212
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure A-48-00**

Dear Mr. Swab:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 22nd Ward. The project will generate a peak flow of 3,300 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN A-48-00 Regulator Structure is approximately 23.3 MGD. The monitored peak dry weather flow is approximately 4.78 MGD. Dry weather capacity exists for this connection. However, the ALCOSAN Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated by tributary communities during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN has completed and signed the sections required in the Component 3 module and requests that this letter be made part of the planning module submission. If you have any questions regarding this matter, please contact me at 412-314-4239.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY


Courtney Dunim, E.I.T.
Junior Civil/Environmental Engineer

Attachment

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

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
APPENDIX C: PROJECT NARRATIVE

Appendix C - Project Narrative

This document was prepared for October Development, owner of the subject property.

The property owner proposes to convert 2 existing lots and re-subdivide them into a new 8 lot residential development consisting of 8 Townhomes. The existing use is residential.

The project is located at 114 W North Ave, Pittsburgh, PA 15212 in 22nd Ward City of Pittsburgh, Allegheny County, Pennsylvania. A location map depicting the project on a portion of the Pittsburgh West, PA, USGS 7.5-minute quadrangle is attached. The approximate latitude and longitude of the site are 40° 27' 20.3" N / 80° 00' 29.9" W, respectively.

The entire property consists of approximately 0.45 acres, zoned Residential. This project will have an earth disturbance of approximately 0.45 acres. There are no wetlands on the property.

Sanitary Sewer

The proposed sewage flows from the new development will be collected by three existing combined sewers line located in West North Avenue, Arch Street, and Eloise Street. The sewage is then conveyed by the Allegheny County Sanitary Authority's (ALCOSAN) Allegheny Interceptor to the ALCOSAN Waste Water Treatment Facility.

Water

The public water service is provided by Pittsburgh Water Sanitary Authority

Storm Sewer

The storm water is conveyed by an existing 18" combined sewer located in Arch Street

The attached SFPM Plot Plan drawing shows the existing and proposed sewer systems.

Wastewater Flow Estimates

EXISTING

Type of Use

Multi-Family Home = (3) 1 BR Apartments @ 150 gpd each =	450 gpd
Church = 4,672 sf / 6 sf per person = 779 persons @ 3 gpd per person =	2,337 gpd
	=====
Total	2,787 gpd

PROPOSED

Type of Use

Single Family Dwelling with more than 3 bedrooms (1) x 500 gpd =	500 gpd
Townhomes (7) x 400 gpd =`	2,800 gpd
	=====
Total	3,300 gpd

This project will require 8.25 new EDU's at 3,300 gallons per day.

Methodology

The Peak Flow Measurement method was used for this project.

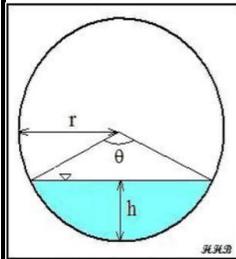
On March 29, 2022, between the hours of 6:45 am and 7:45 am, 5 flow depth measurements were taken at 15-minute increments at PWSA Manhole #MH023P142. The maximum flow depth measurement was 1.5 inches. This value was used in the Hydraulic Calculations Spreadsheet shown on the following two pages.

Sewage Facilities Planning Module
Chapter 94 Consistency Determination
Hydraulic Calculations Spreadsheet for Peak Present Flow Measurements

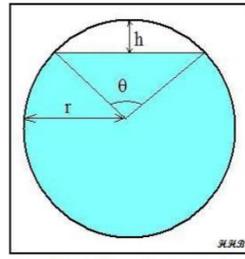
PROJECT NAME: Arch and W North Ave
PWSA PROJECT NUMBER: Development Permit #22
PWSA REVIEWER: Dan Dietrich
DATE: May 24, 2022

LEGEND: Input Data Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters
(Less Than Half Full)



Partially Full Pipe Flow Parameters
(More Than Half Full)

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

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

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

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q _p	3,300	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.011	ft/ft
h	0.125	ft
D	1.75	ft
P.F.	3.5	unitless

Section C: Calculations for Design and/or Permitted Capacities

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

Design Capacity, Average		
Variable	Value	Unit
Q _{d, avg}	2,605,464	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	1.750	ft
r	0.875	ft
A	2.405	ft ²
P	5.498	ft
R	0.438	ft
Q _{d, peak}	14	cfs
Q _{d, peak}	9,119,125	gpd

Section D: Calculations for Present Flows

Variable	Description	Definition
Q _{ex, avg}	Present Flows, Average	= Q _{ex, peak} / P.F.
Q _{ex, peak}	Present Flows, Peak	existing flow conditions per site investigations

Present Flows, Average		
Variable	Value	Unit
Q _{ex, avg}	26,731	gpd

Present Flows, Peak		
Variable	Value	Unit
D	1.750	ft
r	0.875	ft
θ	1.08	rad
h/D	0.071428571	ft/ft
A	0.08	ft ²
P	0.95	ft
R	0.081	ft
Q _{ex, peak}	0	cfs
Q _{ex, peak}	93,557	gpd



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

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

Projected Flow Calculations		
Variable	Value	Unit
Q _{proj, avg}	29,057	gpd
Q _{proj, peak}	101,700	gpd

Section F: Compare Results with Applicant's Submission

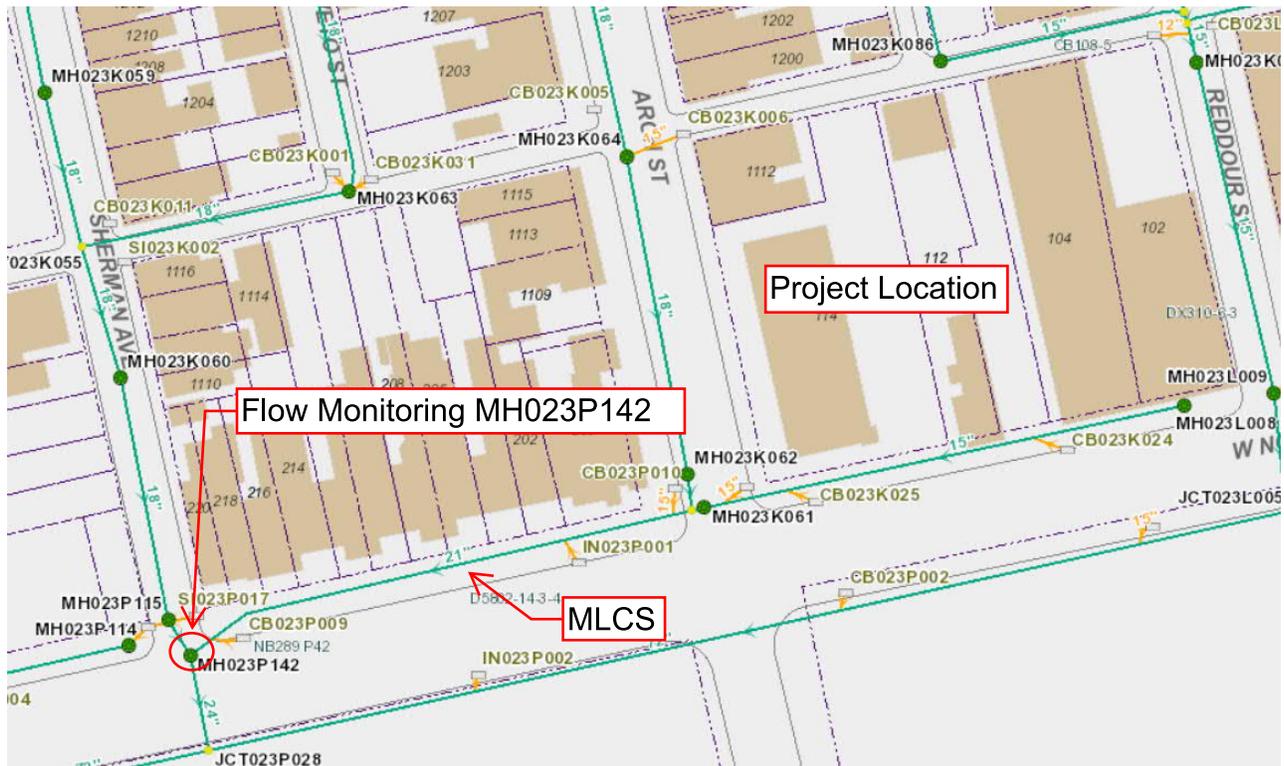
Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
Q _{d, avg}	2,605,464	2,605,464	0	0%
Q _{d, peak}	9,119,125	9,119,125	0	0%
Q _{ex, avg}	26,731	26,731	0	0%
Q _{ex, peak}	93,557	93,557	0	0%
Q _{proj, avg}	29,057	29,057	0	0%
Q _{proj, peak}	101,700	101,700	0	0%

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	W North Avenue
PWSA PROJECT NUMBER:	SFPM-22-0222
PWSA REVIEWER:	Dan Dietrich
DATE:	March 18, 2022

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
MH023K064	MH023K062	763.96	760.70	163.56	18	VCP	0.015	1.77	4.712	1.99%	8,329,214
MH023K062	JCT023K054	760.70	758.39	18.61	18	VCP	0.015	1.77	4.712	12.41%	20,785,791
JCT023K054	MH023P142	758.39	755.63	262.05	21	VCP	0.015	2.41	5.498	1.05%	9,133,158
MH023P142	JCT023P028	755.63	750.34	48.42	24	VCP	0.015	3.14	6.283	10.93%	41,997,086
JCT023P028	MH023P112	750.34	747.52	244.52	72	RCP	0.013	28.27	18.850	1.15%	294,742,208



**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
APPENDIX D: PROPOSED WASTEWATER DISPOSAL FACILITIES**

Appendix D
Proposed Wastewater Disposal Facilities

1. Collection System
The proposed project will flow to an existing public waste water treatment facility. The collection system is a gravity sewer line.
2. Wastewater Treatment Facility
The proposed project will be serviced by the existing public waste water treatment facility operated by ALCOSAN.
3. Social Economic Justification
The proposed project does not involve a discharge of treated effluent.
4. Plot Plan
The entire property consists of approximately 0.45 acres, zoned residential. The existing property is located in an urban setting. There are three existing buildings located on the site. The church and one other building are being razed. The third building is being converted to a townhome.

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
There are no wetlands on the subject property.
6. Prime Agricultural Land Protection
The project site is not primary farmland. The issue has been addressed with the city.
7. Historic Preservation Act
A Cultural Resources Notice was not submitted to the PHMC since the project earth disturbance is not over 10 acres. The total earth disturbance for this project is less than 1 acre.

TABLE D-1**ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
SEWAGE FACILITIES PLANNING MODULE****PLOT PLAN**

Information Requested	Plot Plan
a. Existing and proposed buildings	There are 3 existing buildings on the site. 1 building will remain and 2 buildings will be razed. The existing building will be converted to a townhome and 7 new townhomes will be constructed as shown on Drawing SFPM.
b. Lot lines and lot sizes	Drawing SFPM shows the overall view of the proposed subdivision.
c. Adjacent lots	Drawing SFPM shows adjacent properties.
d. Remainder of tract	Drawing SFPM shows the entire property.
e. Existing/proposed sewage facilities	The proposed collection systems are identified on Drawing SFPM.
f. Tap-in or extension to point of connection of existing collection system	Tap-in's to the existing sewer as shown on Drawing SFPM.
g. Existing and proposed water supplies	The existing & proposed water system is shown on Drawing SFPM.
h. Existing/proposed right-of-way	The rights-of-way have been depicted on Drawing SFPM.
i. Existing/proposed buildings, streets, roadways, access roads, etc.	Drawing SFPM shows listed items.
j. Designated recreational/open area	No recreational area / No Open Space is proposed within the development.
k. Wetlands	There are no wetlands on the property.
l. Flood plains/flood prone areas/floodways	Zone X
m. Prime Agricultural Land	No
n. Other Facilities	Not Applicable.
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.
r. Topographic lines/elevations	Shown on Drawing SFPM.

**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
APPENDIX E: CULTURAL RESOURCE NOTICE**

Appendix E
Cultural Resource Notice

A Cultural Resources Notice was not submitted to the PHMC since the project earth disturbance is less than 10 acres. The total earth disturbance for this project is less than 1 acre.

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
APPENDIX F: ALTERNATIVE SEWAGE FACILITIES ANALYSIS

Appendix F **Alternative Sewage Facilities Analysis**

There are no economical alternatives or options for providing sewage services to the proposed project. Installing an on-lot system is not feasible due to the number of taps and size of the property.

1. The chosen disposal method is to tap-in to the three existing combined sewers line located in West North Avenue, Arch Street, and Eloise Street right-of-way's. The flow for the proposed development is 3,300. The project will have a total of 8.25 EDU's.
2. The surrounding properties are serviced by a sewer owned and operated by the Pittsburgh Water and Sewer Authority (PWSA). The waste water then flows into the Allegheny County Sanitary Authority (ALCOSAN) Waste Water Treatment Facility.
3. There are no existing sewage management programs in the area.
4. The chosen method of tapping into the existing sanitary collection system to serve the development would serve the short and long-term needs because it can convey the required 3,399 GPD (8.25 new EDU's).
5. An on-site system that may cover substantial amounts of land and is not feasible. The 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.

6. Information sought is as follows:
 - 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.
 - c. The waste water treatment plant to be utilized is the existing ALCOSAN facility.
 - d. The existing sewage collection system and waste water treatment plant is adequately sized to accept the increase in sewage which will flow from the site.
 - 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.
7. The existing collection system is owned and operated by PWSA. The waste water from the development flows to ALCOSAN where the waste water is treated and discharged.

SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
APPENDIX G: PNHP / PNDI CORRESPONDENCE

1. PROJECT INFORMATION

Project Name: **Arch and Eloise Development**

Date of Review: **3/9/2022 01:51:30 PM**

Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**

Project Area: **0.91 acres**

County(s): **Allegheny**

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

ZIP Code:

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

Watersheds HUC 8: **Lower Allegheny**

Watersheds HUC 12: **Allegheny River-Ohio River**

Decimal Degrees: **40.455434, -80.008417**

Degrees Minutes Seconds: **40° 27' 19.5633" N, 80° 0' 30.2995" W**

2. SEARCH RESULTS

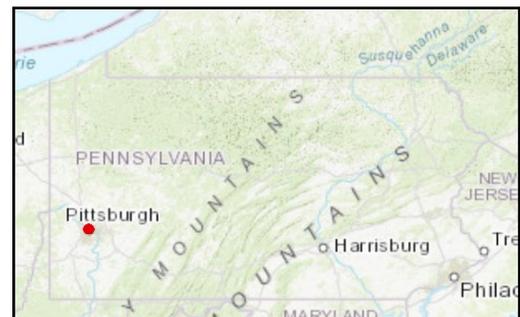
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No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

Arch and Eloise Development

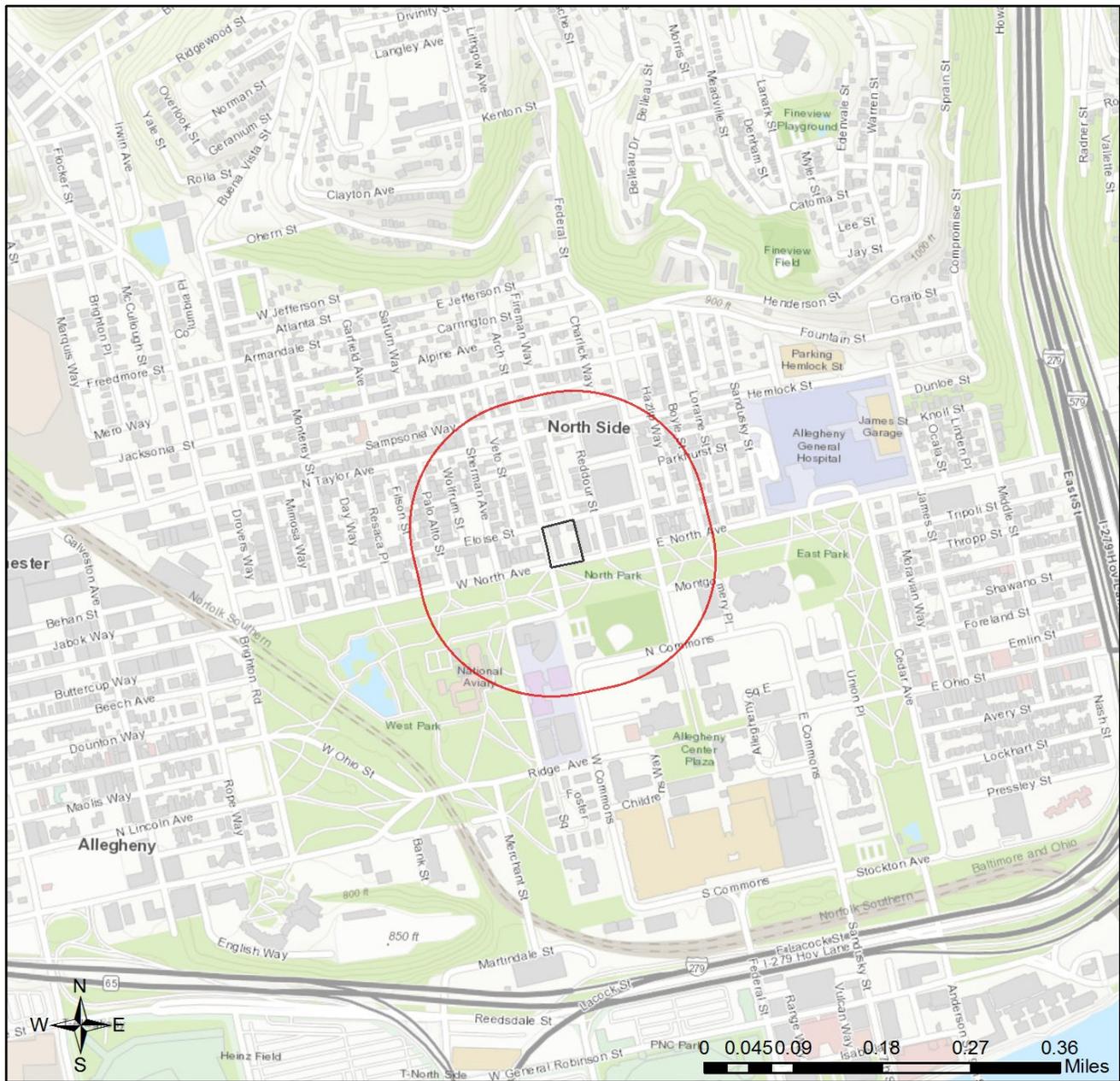


- Project Boundary
- Buffered Project Boundary



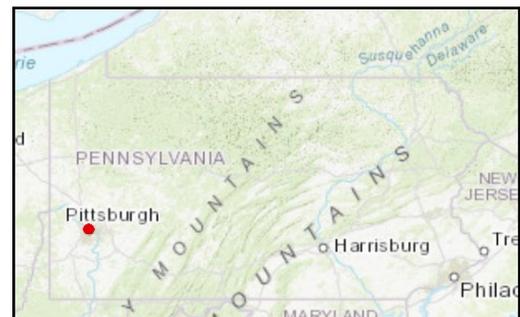
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,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

Arch and Eloise Development



- 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 Sheppard
Company/Business Name: Hampton Technical Associates, Inc
Address: 35 Wilson St, Suite 201
City, State, Zip: Pittsburgh, PA 15223
Phone: (412) 781-9660 Fax: ()
Email: Toms@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.


applicant/project proponent signature

3-1-22

date

**SEWAGE FACILITIES PLANNING MODULE
ARCH STREET & WEST NORTH AVENUE - RESIDENTIAL DEVELOPMENT
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.