

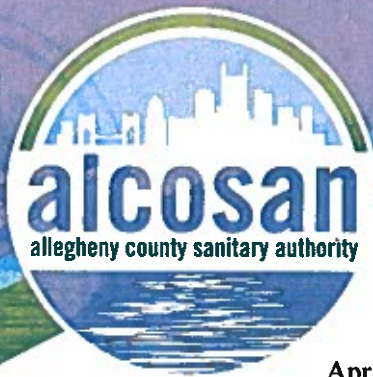
**SEWAGE FACILITIES PLANNING MODULE
APPLICATION MAILER**



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

RECEIVED
4/4/23

For more information, visit DEP's website at
www.depweb.state.pa.us, keyword: Act 537.



April 6, 2023

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Brandon Nixon
Cosmos Technologies Inc.
700 River Ave, Suite 100
Pittsburgh, PA 15212

**Re: 2163 Centre Avenue Mixed-Use Development
City of Pittsburgh– Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure M-05-00**

Dear Mr. Nixon,

We have reviewed the Component 3 Planning Module for the referenced project to be located at 2163 Centre Avenue, City of Pittsburgh. The project will generate a peak flow of 2,450 gpd in the ALCOSAN Monongahela River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN M-05-00 regulator structure is approximately 20.6 MGD. The estimated peak dry weather flow is approximately 3.26 MGD. Therefore, dry weather capacity exists for this connection. However, the Monongahela 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. If you have any questions regarding this matter, please contact me at 412-734-8735.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Joe Fedor

Attachment

cc: C. Dean (w/o attachment) R. Herring/PWSA (w/o attachment)
D. Thornton (w/o attachment) Mahbuba Jasmin/PADEP (w/o attachment)
M. Lichte (w/o attachment) Gina Caliguri/ACHD (w/o attachment)

INSTRUCTIONS FOR COMPLETING SEWAGE FACILITIES PLANNING MODULE APPLICATION MAILER

(remove before sending mailer to the approving agency (the Department of Environmental Protection (DEP) or delegated local agency))

Please read the following instructions carefully before completing the application mailer. This information will be used to determine if sewage facilities planning is necessary for your project, and, if it is, which forms are appropriate.

Act 537 Sewage Facilities' planning is the duty of local municipalities. The responsibility of meeting the sewage disposal needs of the municipality rests with the municipality. Each municipality is required to have an Act 537 Official Sewage Facilities Plan to adequately address these needs. Adoption by resolution of a planning module is the vehicle for legally amending the municipality's Official Plan. It is imperative that the municipality receives all of the information required in order to make informed decisions.

Upon completion, submit this Mailer / Application form to the approving agency (DEP or delegated local agency). Additionally, provide a copy of the completed form to the County Health Department having jurisdiction over the area in which the proposed project is located.

Unless your project qualifies for one of the planning exemptions provided in Act 537, a package of sewage facilities planning forms appropriate for the project will be sent to the return address indicated on the mailer, or instructions for obtaining the appropriate forms from DEP's website (www.depweb.state.pa.us) will be issued. Each form includes detailed instructions that explain the use of the form and how to complete it. The package of completed forms and its supporting documentation is called a **sewage facilities planning module**, or "planning module." Once the planning module is complete, it must be submitted to the municipality in which the project is located for review and, if acceptable, adoption.

After adoption by the municipality, complete planning modules are submitted to either DEP or, if appropriate, to the delegated agency for review and final action. Some municipalities (or groups of municipalities working together) have requested and received DEP approval to review and take final action on planning modules. These are known as **delegated agencies**. To find out if your project is located in an area served by a delegated agency, contact the municipality or DEP's regional office serving your area.

Please note that both DEP and delegated agencies are required by law to charge fees for the review of planning modules. The fees DEP must charge are set by law in Act 537, while delegated agencies may set fees which can be the same or different from those in Act 537. For more information on review fees for your particular project, see the planning module documents or contact the approving agency (DEP or delegated agency) serving the area of your project.

NOTE: DEP will provide all planning module forms, however, if your project is a **minor subdivision** (defined as a subdivision of 10 lots or less, intended for single family residential homes served by individual onlot sewage disposal systems) you may also contact the municipality in which your project is located for a "Component 1" minor subdivision planning module form.

1. Print the name of the proposed development and name, address, telephone number and email address of the person who is proposing the project. If planning module components are to be sent to a different person or address, include this information on the front of the mailer in the return address block.
2.
 - a. Enter the county in which the project is located.
 - b. Enter the municipality in which the project is located.
 - c. Enter the road or address (if available) or street coordinates (example - west side of T-235, 1 mile south of intersection of Rt 15 and T-235).
 - d. Enter the appropriate tax parcel identification number (if available) of the parcel proposed for subdivision.
 - e. Enter the name of the U.S. Geological Survey (USGS) 7.5-minute quadrangle map which contains the project area, and the location of the project area on that map in inches up and over from the lower right corner of the map to the approximate center of the project. (Example - Centerville West quad, 7 inches up and 2.5 inches over from lower right corner of map.) Alternatively, include an original or a copy of the USGS quad map with the project area outlined on it.
 - f. If the proposed project is located within a special protection watershed, (i.e., watersheds with a stream classification of High Quality or Exceptional Value), check "yes." If not located in special protection watershed, check "no."
3. Check the box that best describes the intended use of the proposed land development project. **Residential** refers to single-family lots. **Multi-residential** includes apartments, condos, etc. **Commercial** includes retail centers, office parks, industrial development, etc. **Institutional** refers to schools, hospitals and the like. **Brownfield Site**

Redevelopment refers to projects proposing to recycle land. Some developments will involve more than one type of use, or will not fit comfortably into any of the classifications given. If this is the case, choose more than one category or explain under **Other**.

4.
 - a. Enter the number of single family residential lots or Equivalent Dwelling Units (EDUs) proposed. An EDU is defined as that part of a multi-family dwelling or nonresidential project with flows equal to 400 gallons per day (gpd) (the assumed flow, for planning purposes, of a single family residential lot). To determine the number of EDUs, divide the proposed sewage flow of the project by 400 gpd.
 - b. Enter the total number of lots created from this parcel of land since May 15, 1972, including the lots being proposed at this time. (Onlot disposal proposals only.)
 - c. Enter the total project acreage and the acreage of any remaining land (land not proposed for development but under the same ownership and adjacent to the project area).
5. Enter the proposed total sewage flow from the project in gpd. See Title 25 of the Pennsylvania Code, Chapter 73, Section 73.17, (www.pacode.com), or DEP's *Domestic Wastewater Facilities Manual*, DEP ID: 362-0300-001 available on DEP's website at www.depweb.state.pa.us, keyword: wastewater.
6. Choose the category (a, b, c or d) that describes the method of sewage disposal planned to serve the project and enter the information requested. Since this information could have an effect on the planning requirements for your project, be as accurate as possible. If more than one method of sewage disposal is planned, or if an interim method is planned, indicate it here.
 - a. **Sewerage System**

If an existing system is being extended to serve the proposed project, or if lots are to connect directly to an existing sewage collection system, check all boxes that describe the project. Write in the names of the existing collection systems that will be used, the interceptor sewer which will be used for conveyance and the treatment facility where the sewage flows will be treated. Include the National Pollutant Elimination Discharge System (NPDES) permit number for the treatment facility, where applicable.
 - b. **Construction of Sewage Treatment Facility (with stream discharge or with spray irrigation as final disposal option)**

Check the box corresponding to the chosen final disposal option (stream discharge or spray irrigation field). This category does **NOT** include individual residence spray irrigation systems (IRSIS) which are considered onlot sewage disposal systems ((c), below). For stream discharges, name the receiving waterbody. If the proposed facility is intended to replace an existing, malfunctioning onlot system, check the box marked "repair."
 - c. **Onlot Sewage Disposal Systems (individual, community, or large-volume)**

Check the box corresponding to the type of onlot sewage disposal systems proposed to serve the project. An **individual onlot sewage disposal system** is a system of piping, tanks or other facilities used for collecting, treating and disposing of sewage into a subsurface absorption area. This category also includes IRSIS. A **community onlot system** is a facility either publicly or privately owned which will collect and dispose of sewage from two or more lots or EDUs into a subsurface absorption area. A **large-volume onlot system** is an individual or community onlot system which is designed to treat flows in excess of 10,000 gpd.

The approving agency must be notified at least 10 days in advance of all soil testing activities (including those related to planning exemption requests - see 7(b)(5)(v)), so that its staff have the option of observing the tests.
 - d. **Retaining Tanks (holding tanks or privies)**

If retaining tanks are proposed as the method of sewage disposal, enter the number of holding tanks or privies which are proposed to serve the project.
7. Check this box if you desire to obtain your sewage facilities planning module forms from DEP's website. You will be provided with appropriate instructions, website addresses and DEP coding information in a letter rather than a package of paper forms.

8. Requests for Planning Exemption under the Sewage Facilities Act

You may request to be exempt from Act 537 planning requirements. Effective December 15, 1995, certain classes of subdivisions are no longer subject to the planning requirements of the Sewage Facilities Act. Completing Section 8 will help you and the approving agency determine if your project fits into one of these categories.

a. Protection of rare, endangered or threatened species.

DEP's technical guidance document "Policy for Pennsylvania Natural Diversity Inventory (PNDI) Coordination During Permit Review and Evaluation," (400-0200-001) requires DEP to ensure that requests for authorizations, are coordinated with the Department of Conservation and Natural Resources' (DCNR) Pennsylvania Natural Diversity Inventory (PNDI).

Conducting a search of the PNDI database and providing a copy of a "PNDI Project Environmental Review Receipt" for the proposed project and, if potential impacts are identified by the search, clearance or recommendation letters from the jurisdictional agency responsible for the particular species identified by a search, satisfies this requirement.

To avoid project delay, self-explanatory, self-conducted "PNDI Project Planning Environmental Review" searches are initiated at www.naturalheritage.state.pa.us. This interactive, online search will ask questions about the proposed project and provide the appropriate receipt, instructions or additional information regarding coordination with jurisdictional agencies.

As an alternative to the self-conducted search, project sponsors may request DEP staff to conduct the search by providing a completed "PNDI Project Planning & Environmental Review Form" (PNDI Form). The form is available at www.naturalheritage.state.pa.us. Individuals making this request should be aware that, due to the nature of the search software, DEP staff may need to contact them for additional information to successfully complete the search and that exclusive of any other items, their sewage planning exemption request is considered incomplete by DEP, until the appropriate receipt, clearance or recommendation letters are received.

For more information, see the "Policy for Pennsylvania Natural Diversity Inventory (PNDI) Coordination During Permit Review and Evaluation," (400-0200-001), available online in the eLibrary at DEP's website address www.depweb.state.pa.us.

b. Attach a plot plan for the proposed project. The plan must depict anticipated lots to be created, either estimated sewer line runs (public sewer proposals), or site suitability test locations and Site Investigation and Percolation Test Reports (onlot proposals).

c. Projects proposing use of onlot sewage disposal systems

(1) Information Required from the Municipality

The municipality in which the project is located (identified in Item 2.b. of the mailer) should determine if the municipality's Official Sewage Facilities Plan shows that the area planned for the project is to be served by onlot sewage disposal systems. If it is, the municipality should indicate this by having an authorized municipal official sign and date the form in the space provided. The official's name and title should be printed on the line below.

(2) Information Required from the Municipal Sewage Enforcement Officer (SEO)

The municipality's SEO must conduct personally, observe or otherwise confirm in a manner approved by DEP, site testing on each proposed lot in the subdivision (including any remaining land) to determine that separate sites are available for both a permitted primary onlot sewage disposal system and a replacement system (to be used if the original system fails in the future). If the SEO finds that each lot has been tested properly and fulfills these criteria, the SEO must indicate this by signing and dating the form in the space provided. His/her name and certification number should be printed on the line below.

(3) Information Required from the Applicant

The person proposing the subdivision, or his/her authorized agent, must determine if each lot in the subdivision (including the remaining land, if any) is at least one (1) acre in size. If they are, the applicant or his/her agent must indicate this by signing and dating the form in the space provided.

(4) Determinations Made by the Approving Agency

When the above listed information is received, the approving agency will determine the following:

- (a) If the geology of the project area is conducive to nitrate-nitrogen contamination of groundwater (determined from the topographic map location information); or
- (b) If elevated levels of nitrate-nitrogen are known to exist within one-quarter (1/4) mile of the proposed development (determined from agency groundwater sampling records in existence at the time of the application); or
- (c) If the area proposed for development is within an identified High Quality (HQ) or Exceptional Value (EV) watershed (determined from the topographic map location).

Following this investigation, the approving agency will render a decision on the exemption request within 10 working days of receiving the request for exemption. Both the applicant and municipality will be notified of the decision. If the request cannot be granted, the person named in the return address block will receive the proper planning module component forms (or instructions to obtain them from the DEP website) along with the notification of the decision, including the reason(s) that the request cannot be granted.

d. Projects proposing use of public sewerage facilities (i.e., ownership by municipality or authority)

(1) Information Required from the Municipality

The municipality in which the proposed project is located (identified in Item 2.b. of the mailer) will determine the following from written documentation requested and obtained by the applicant from the facility permittee. ***This documentation MUST also be sent to the approving agency (DEP or delegated local agency) for evaluation.***

- (a) Certification from the permittees of the collection, conveyance and treatment facilities proposed for use that capacity is available in these facilities to receive and treat the sewage flows from the proposed project; and
- (b) That these added flows will not cause an overload or 5-year projected overload in the facilities.

If the facilities proposed for use are owned and operated by an authority, or authorities, then attach a letter from each to the mailer.

If this written certification has been submitted by the applicant, an authorized municipal official should sign and date the form and print his/her name and title and the municipality name in the spaces provided.

NOTE: Since planning is a municipal responsibility, sewer authorities involved should make required information available but should **NOT** sign the mailer as the authorized municipal official.

(2) Determinations Made by the Approving Agency

When the above listed information is received by the approving agency, the approving agency will determine the following (from DEP records):

- (a) That the existing collection, conveyance and treatment facilities are in compliance;
- (b) That the existing facilities have no existing or 5-year projected overload;
- (c) That the municipality has a currently approved Official Sewage Facilities Plan which is being implemented; and
- (d) That the project does not propose service by facilities needing a new or modified permit from DEP under the Clean Streams Law.

Following this investigation, the approving agency will render a decision on the exemption request within 10 working days of receiving the request for exemption. Both the applicant and the municipality will be notified of the decision. If the request cannot be granted, the person named in the return address block will receive the proper planning module component forms (or instructions to obtain them from DEP's website) along with the notification of the decision, including the reason that the request cannot be granted.

If unsure of which local DEP office to contact, the following DEP regional offices will assist you in determining the appropriate local DEP office that serves your specific municipality.

If you need more information or assistance, please contact your local DEP office.

DEP REGIONAL OFFICES

Northwest Region

230 Chestnut St.
Meadville, PA 16335-3481
Main Telephone: 814-332-6945
24-Hour Emergency: 800-373-3398

Counties: *Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren*

Southwest Region

400 Waterfront Drive
Pittsburgh, PA 15222-4745
Main Telephone: 412-442-4000
24-Hour Emergency: 412-442-4000

Counties: *Allegheny, Beaver, Cambria, Fayette, Greene, Somerset, Washington, and Westmoreland*

North-central Region

208 W. Third St., Suite 101
Williamsport, PA 17701-6448
Main Telephone: 570-327-3636
24-Hour Emergency: 570-327-3636

Counties: *Bradford, Cameron, Clearfield, Centre, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, and Union*

South-central Region

909 Elmerton Ave.
Harrisburg, PA 17110-8200
Main Telephone: 717-705-4700
24-Hour Emergency: 866-825-0208

Counties: *Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York*

Northeast Region

2 Public Square
Wilkes-Barre, PA 18701-1915
Main Telephone: 570-826-2511
24-Hour Emergency: 570-826-2511

Counties: *Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming*

Southeast Region

2 E. Main St.
Norristown, PA 19401-4915
Main Telephone: 484-250-5900
24-Hour Emergency: 484-250-5900

Counties: *Bucks, Chester, Delaware, Montgomery, and Philadelphia*

1. Development Information

Name of Development 2163 Centre Avenue Mixed-Use Development

Developer Name Amani Development

Address P.O. Box 7192, Pittsburgh, PA 15213

Telephone # 412-589-9518

Email bnixon@cosmostechnologiesinc.com, lwalls@amanipgh.org

2. Location of Development

a. County Allegheny

b. Municipality Pittsburgh

c. Address or Coordinates 2163 Centre Avenue, Pittsburgh, PA 15213

d. Tax Parcel # 10-P-25, 10-P-26, 10-P-27

e. USGS Quad Name Pittsburgh East Quadrangle
inches up 12.41 over 5.88
from bottom right corner of map.

f. Located in a High Quality/Exceptional Value watershed?
 Yes No

3. Type of Development Proposed (check appropriate box)

Residential Multi-Residential
Describe Nine(9) One-bedroom Apartments, three(3) Two-bedroom Apartments

Commercial Institutional
Describe Office Space

Brownfield Site Redevelopment
 Other (specify) _____

4. Size

a. # of lots 3 # of EDUs 6.13

b. # of lots since 5/15/72 3

c. Development Acreage 0.0989

d. Remaining Acreage _____

5. Sewage Flows 2450 gpd

6. Proposed Sewage Disposal Method (check applicable boxes)

a. Sewerage System
 Existing (connection only) New (extension)
 Public Private
 Pump Station(s)/Force Main Gravity
Name of existing system being extended _____

Interceptor Name ALCOSAN Monongahela River Interceptor

Treatment Facility Name ALCOSAN Plant at Woods Run

NPDES Permit # PA0025984

b. Construction of Treatment Facility
 With Stream Discharge
 With Land Application (not including IRSIS)
 Other
 Repair?

Name of waterbody where point of discharge is proposed (if stream discharge) _____

c. Onlot Sewage Disposal Systems (check appropriate box)
 Individual onlot system(s) (including IRSIS)
 Community onlot system
 Large-Volume onlot system

d. Retaining tanks
Number of Holding Tanks _____
Number of Privies _____

7. Request Sewage Facilities Planning Module forms in electronic format

8. Request for Planning Exemption

a. Protection of rare, endangered or threatened species

Check one:

The "PNDI Project Environmental Review Receipt" is attached. or

A completed "PNDI Project Planning & Environmental Review Form," (PNDI Form) is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning exemption will be considered incomplete and that the DEP processing of my planning exemption request 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 _____

b. Plot Plan Attached Site Reports Attached

c. Onlot Disposal Systems

(1) I certify that the Official Plan shows this area as an onlot service area.

(Signature of Municipal Official) Date

Name (Print) Title

Municipality (must be same as in 2.b.) _____

Telephone # _____

(2) I certify that each lot in this subdivision has been tested and is suitable for both a primary and replacement sewage disposal system.

Signature of SEO Date

Name (Print) Certification #

Telephone # _____

(3) I certify that each lot in this subdivision is at least 1 acre in size

(Signature of Project Applicant/Agent) Date

d. Public Sewerage Service (i.e., ownership by municipality or authority)

Based upon written documentation, I certify that the facilities proposed for use have capacity and that no overload exists or is projected within 5 years. (Attach documents.)

(Signature of Municipal Official) Date

Name (Print) Title

Municipality (must be same as in 2.b.) _____

Telephone # _____

Return Correspondence/Forms to:
Barry Davidson
Cosmos Technologies Inc.
700 River Ave
Suite 100,
Pittsburgh, PA 15212

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP USE	
Components Sent	
Onlot Disposal	<input type="checkbox"/>
Collection and Treatment	<input type="checkbox"/>
Planning Agency Review	<input type="checkbox"/>
Exempt from Planning	<input type="checkbox"/>
Code	_____
Date	_____

"Fold Here"

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) 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 AMANI DEVELOPMENT, LLC has proposed the development of a parcel of land identified as
land developer

2163 Centre Avenue Mixed-Use Development, 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, 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:

Telephone _____

Seal of
Governing Body

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.

Brandon Nixon

Name (Print)

Signature

Civil Engineer

10/07/2021

Title

Date

700 River Ave. Suite 100, Pittsburgh, PA, 15212

216-732-0111

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 \$_____ 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 _____

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?

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 2450 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 _____

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joe Fedor

Agent Signature Joe Fedor

Date 4-6-23

4. Treatment Facility

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

YES NO

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

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

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

- b. Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joe Fedor

Agent Signature Joe Fedor

Date 4-6-23

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.

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 2450 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	3486165	12201578	7027	24596	8114	28398
Conveyance		20,600,000	3,000,000	3,260,000	3,035,000	3,298,000
Treatment	250,000,000	250,000,000	194,200,000	250,000,000	248,800,000	295,000,000

3. Collection and Conveyance Facilities

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

YES NO

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

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

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

b. Collection System

Name of Agency, Authority, Municipality Pittsburgh Water and Sewer Authority

Name of Responsible Agent Barry King, PE, PMP Robert Herring, PE, PMP

Agent Signature Robert Herring Robert Herring Date 4/26/2022

2022-04-26 10:21:21 -04'00'

(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.

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

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 6.13

Connections 1

Name of:

existing collection or conveyance system 18" combined sewer on Humber Way

owner Pittsburgh Water and Sewer Authority

existing interceptor ALCOSAN Monongahela River Interceptor

owner ALCOSAN

2. WASTEWATER TREATMENT FACILITY

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

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

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

Name of existing facility ALCOSAN Plant at Woods Run

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number _____

Location of discharge point for a new facility. Latitude _____ Longitude _____

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 Joe Fedor

Agent Signature Joe Fedor Date 4-6-23

(Also see Section I. 4.)

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

2163 Centre Avenue Mixed-Use Development

Site Location Line 1

2163 Centre Avenue

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

Latitude

Longitude

Detailed Written Directions to Site The Proposed site is bounded to the south by Centre Avenue, to the north by Humber Way, to the east by adjacent parcel (Parcel#: 10-K-46), and to the west by an adjacent parcel (Parcel#: 10-P-29)

Description of Site The existing site comprised of one(1) story building at 2163 Centre Avenue(parcel:10-P-25) and two adjacent vacant lots (Parcel#: 10-P-26, 10-P-27).

Site Contact (Developer/Owner)

Last Name

Walls

First Name

Lee

MI Suffix

Phone

412-589-9518

Ext.

Site Contact Title

Owner

FAX

Site Contact Firm (if none, leave blank)

Amani Development

Email

wallsj216@aol.com, lwalls@amanipgh.org

Mailing Address Line 1

P.O. Box 7192

Mailing Address Line 2

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15213

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

Last Name

Borne

First Name

Jason

MI

Suffix

Title

Lead Senior Civil Engineer

Consulting Firm Name

Cosmos Technologies Inc.

Mailing Address Line 1

700 River Ave. Suite 100

Mailing Address Line 2

Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15212

Country

Email

jborne@cosmostechnologiesinc.com

Area Code + Phone

412-321-3951

Ext.

413

Area Code + FAX

E. AVAILABILITY OF DRINKING WATER SUPPLY

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

Individual wells or cisterns.

A proposed public water supply.

An existing public water supply.

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

Name of water company: Pittsburgh Water and Sewer Authority

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.



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)

- Project Name 2163 Centre Avenue Mixed-Use Development
- Brief Project Description The proposed project includes the renovation of the existing building at 2163 Centre Avenue (parcel:10-P-25) and the development of a 4-story mixed-use building at the adjacent vacant lots (10-P-26, 10-P-27), with ground level office space and one- and two-bedroom residential units above. Exterior improvements are also proposed including sidewalks, parking lot, dumpster enclosure, extension of Humber Way pavement, and outdoor landscape/hardscape.

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

Municipality Name	County	City	Boro	Twp
Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
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 St, Suite 4			
Address Last Line -- City	State	ZIP+4		
Pittsburgh	PA	15219		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
412-225-2516		martina.battistone@pittsburghpa.gov		

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.

Brandon Nixon

Name (Print)

Brandon Nixon

Signature

Civil Engineer

Title

10/07/2021

Date

700 River Ave. Suite 100, Pittsburgh, PA, 15212

Address

216-732-0111

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 \$_____ 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.

$$\# \underline{\hspace{2cm}} \text{ Lots (or EDUs) X } \$50.00 = \$ \underline{\hspace{2cm}}$$

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:

$$\# \underline{\hspace{2cm}} \text{ Lots (or EDUs) X } \$35.00 = \$ \underline{\hspace{2cm}}$$

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)



INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

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

Background

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

Who Should Complete the Component?

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

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

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

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

Section A. Project Name

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

Section B. Review Schedule

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

Section C. Agency Review

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

Section D. Additional Comments

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



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
2163 Centre Avenue Mixed-Use Development

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

1. Date plan received by municipal planning agency _____
2. Date review completed by agency _____

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

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)?
<input type="checkbox"/>	<input type="checkbox"/>	2. Is this proposal consistent with the comprehensive plan for land use? If no, describe the inconsistencies _____
<input 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 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 type="checkbox"/>	5. Does this project propose encroachments, obstructions, or dams that will affect wetlands? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	6. Will any known historical or archaeological resources be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	7. Will any known endangered or threatened species of plant or animal be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	8. Is there a municipal zoning ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	9. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input type="checkbox"/>	10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input 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 type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input 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 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 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: _____ Title: _____ Signature: _____ Date: _____ Name of Municipal Planning Agency: _____ Address _____ Telephone Number: _____		

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.



DEP Code #: _____

**SEWAGE FACILITIES PLANNING MODULE
 COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW**

(or Planning Agency with Areawide Jurisdiction)

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

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

Project Name

2163 Centre Avenue Mixed-Use Development

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

1. Date plan received by county planning agency _____
2. Date plan received by planning agency with areawide jurisdiction _____
 Agency name _____
3. Date review completed by agency _____

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

- | Yes | No | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 <i>et seq.</i>)? |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use? |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Does this proposal meet the goals and objectives of the plan?
If no, describe goals and objectives that are not met _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe inconsistency _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?
If no, describe inconsistencies: _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impact _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Will any known historical or archeological resources be impacted by this project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Will any known endangered or threatened species of plant or animal be impacted by the development project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Is there a county or areawide zoning ordinance? |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Does this proposal meet the zoning requirements of the ordinance?
If no, describe inconsistencies _____ |

SECTION C. AGENCY REVIEW (continued)

Yes No

- 11. Have all applicable zoning approvals been obtained?
- 12. Is there a county or areawide subdivision and land development ordinance?
- 13. Does this proposal meet the requirements of the ordinance?
If no, describe which requirements are not met _____
- 14. Is this proposal consistent with the municipal Official Sewage Facilities Plan?
If no, describe inconsistency _____
- 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____
- 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
 If yes, is the proposed waiver consistent with applicable ordinances.
If no, describe the inconsistencies _____
- 17. Does the county have a stormwater management plan as required by the Stormwater Management Act?
 If yes, will this project plan require the implementation of storm water management measures?
- 18. Name, Title and signature of person completing this section:
Name: _____
Title: _____
Signature: _____
Date: _____
Name of County or Areawide Planning Agency: _____
Address: _____
Telephone Number: _____

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.

**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

2163 Centre Avenue Mixed-Use Development

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

1. Date plan received by county or joint county health department _____

Agency name _____

2. Date review completed by agency _____

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: _____

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

Name: _____

Title: _____

Signature: _____

Date: _____

Name of County Health Department: _____

Address: _____

Telephone Number: _____

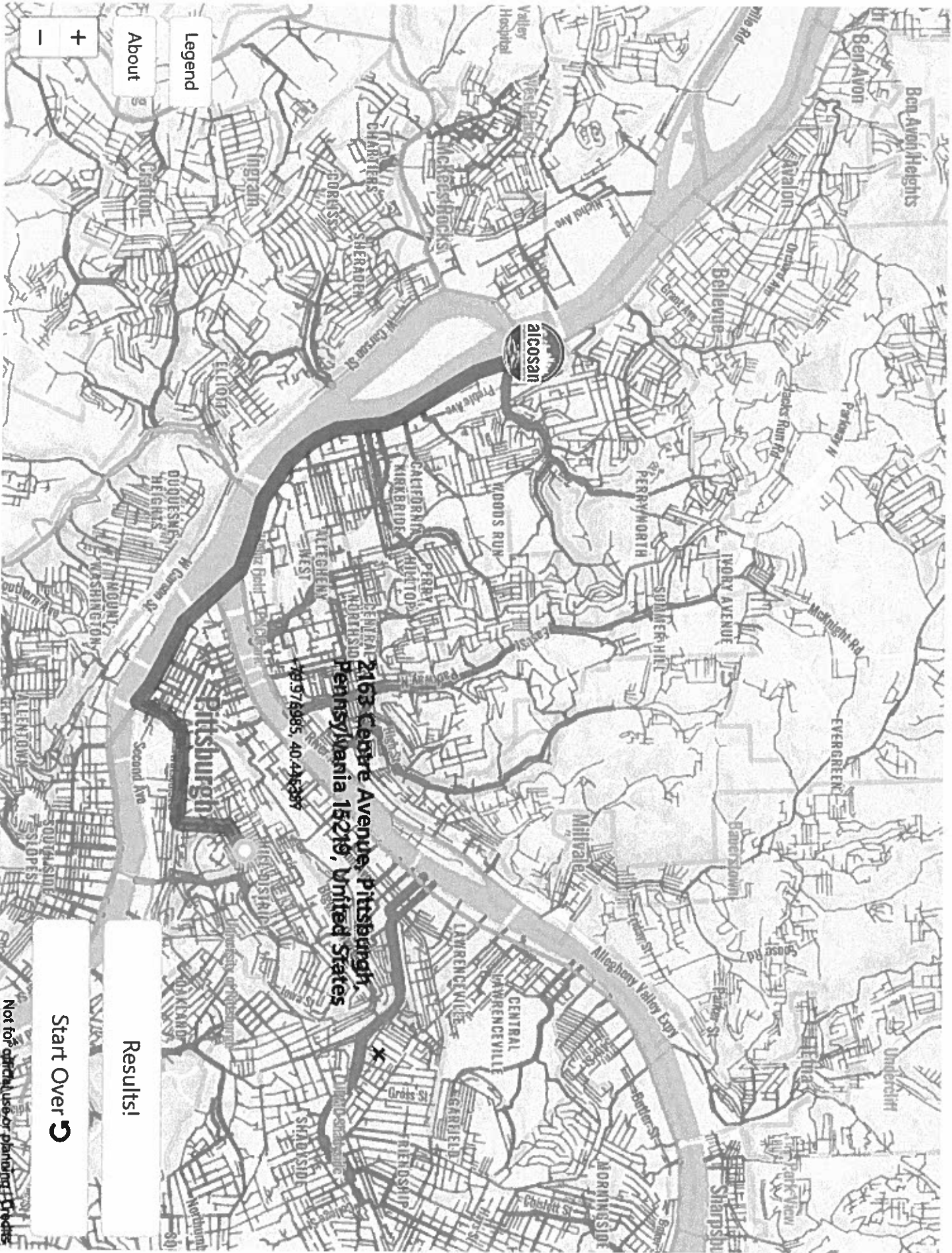
SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

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.

Follow the Flush!



Results!

Start Over ↻

Not for official use or planning purposes

To: Barry King, PE, PMP - Director of Engineering and Construction

From: Shannon Connell, EIT

Cc: Robert Herring, PE, PMP; e-Builder

Date: April 26, 2022

Subject: Department of Environmental Protection (DEP) - Sewage Facilities
Planning Module (SFPM)

Chapter 94 Consistency Determination

Project Name: 2163 Centre Avenue (Project)

Project Address: 2163 Centre Avenue, Pittsburgh, PA 15219

PWSA Project Number: 20015.25

The Pittsburgh Water and Sewer Authority (PWSA) received a SFPM application for the aforementioned Project. In accordance with Title 25 of the Pennsylvania Code, the PWSA is required to prepare an annual Wasteload Management Report on the collection and conveyance of wastewater relative to available capacity. Our review of the SFPM was conducted to understand how the Project will impact available dry-weather capacity and whether the proposed flows will contribute to a dry-weather hydraulic overload within the next five (5) years. Please note that a dry-weather hydraulic overload shall require both the denial of the SFPM and the submission of a Corrective Action Plan to the DEP.

We have determined that the Project will not contribute to a dry-weather hydraulic overload within the next five years. Please refer to the enclosed hydraulic calculations for additional information. Upon your approval, please sign and return the enclosed "Section J - Chapter 94 Consistency Determination" page from the SFPM.

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.

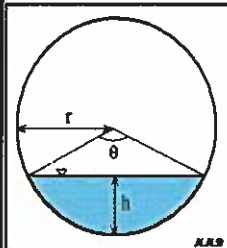
Enclosures

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

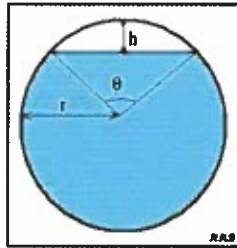
PROJECT NAME: 2163 Centre Avenue
PWSA PROJECT NUMBER: 20015.25
PWSA REVIEWER: Shannon Connell, EIT
DATE: April 14, 2022

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

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

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

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

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

OR

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

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

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q _p	2,450	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.043	ft/ft
h	0.050	ft
D	1.50	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

Design Capacity, Peak

Variable	Value	Unit
Q _{d, avg}	3,495,425	gpd

Variable	Value	Unit
D	1.500	ft
r	0.750	ft
A	1.767	ft ²
P	4.712	ft
R	0.375	ft
Q _{d, peak}	19	cfs
Q _{d, peak}	12,233,986	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}	7,046	gpd

Present Flows, Peak		
Variable	Value	Unit
D	1.500	ft
r	0.750	ft
θ	0.73	rad
h/D	0.033333333	ft/ft
A	0.02	ft ²
P	0.55	ft
R	0.033	ft
Q _{ex, peak}	0	cfs
Q _{ex, peak}	24,661	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}	8,133	gpd
Q _{proj, peak}	28,467	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
Q _{d, avg}	3,495,425	3,486,165	9,260	0%
Q _{d, peak}	12,233,986	12,201,578	32,408	0%
Q _{ex, avg}	7,046	7,027	19	0%
Q _{ex, peak}	24,661	24,596	65	0%
Q _{proj, avg}	8,133	8,114	19	0%
Q _{proj, peak}	28,467	28,398	69	0%



Pittsburgh
Water & Sewer
Authority

December 2, 2021

Chirag Moradiya
Cosmos Technologies Inc.
700 River Avenue Suite 100
Pittsburgh, PA 15212

Subject: Water and Sewer (W&S) Use Approval
Project Name: 2163 Centre Avenue (Project)
PWSA Project No.: 20015.25

Dear Chirag:

The W&S Use Application for the Project has been approved, as summarized below:


Type of Flow	Sanitary, gpd	Water, gpd
<i>Project Flow</i>	2450	2450
<i>Existing Flow</i>	0	0
<i>Net Flow</i>	2450	2450

The PWSA shall request the Department of Environmental Protection (DEP) to issue a Final Determination on the Need for Sewage Planning. If sewage planning is required, we have enclosed for your use the location of the most limited capacity sewer (MLCS). The hydraulic capacity of the MLCS shall be determined via the following method:

- Peak Flow Depth Measurements (Sanitary Net Flow \leq 4,000 gpd)
- Flow Monitoring (Sanitary Net Flow $>$ 4,000 gpd)

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 x6875 or awynn@pgh2o.com.

Sincerely,

 Ari Wynn
2021.12.02
09:21:40 -05'00'

Ari Wynn
Cooperative Education Intern

Enclosure(s)

cc: Barry King, PE, PMP – PWSA (via email)
Kate Mechler, PE – PWSA (via email)
Robert Herring, PE, PMP – PWSA (via email)
eBuilder – Filing System (via email)



Water and Sewer Use Application Form

Instructions The complete W/S Use Application shall be uploaded via e-builder. To obtain an e-builder project folder, please make a request on our website at www.pgh2o.com/permits. In addition, please refer to the Developer’s Manual for detailed information on application requirements.

Requirements Application Fee W/S Use Application Site Plans
 Floor Plans Narrative Flow Calculations

Project Info Project Name: 2163 Centre Avenue Mixed-Use Development
Address: 2163 Centre Avenue, Pittsburgh, PA 15219

Is the Project located on a lot created prior to May 15, 1972? YES NO

Has the lot previously received DEP sewage planning approval? YES NO

Owner/Developer Firm Name: Amani Development
Address: P.O. Box 7192, Pittsburgh, PA 15213
Contact Name: Lee Walls
Email: wallsj216@aol.com , lwalls@amanipgh.org
Phone Number: 412-589-9518

Consultant Firm Name: Cosmos Technologies Inc.
Address: 700 River Ave, suite 100, Pittsburgh, PA, 15212
Contact Name: Chirag Moradiya
Email: cmoradiya@cosmostechnologiesinc.com
Phone Number: 216.664.1170

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	2450	2450
Existing Flow	-	-
Net Flow	2450	2450

Signature By signing below, I hereby certify, to the best of my knowledge, that the information provided within the Water and Sewer Use Application is true, complete and accurate.

Name, printed: Chirag Moradiya
Signature: Chirag Moradiya
Date: 09/09/2021

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME: 2163 Centre Avenue
PWSA PROJECT NUMBER: 20015.25
PWSA REVIEWER: Ari Wynn
DATE: October 7, 2021

LEGEND:

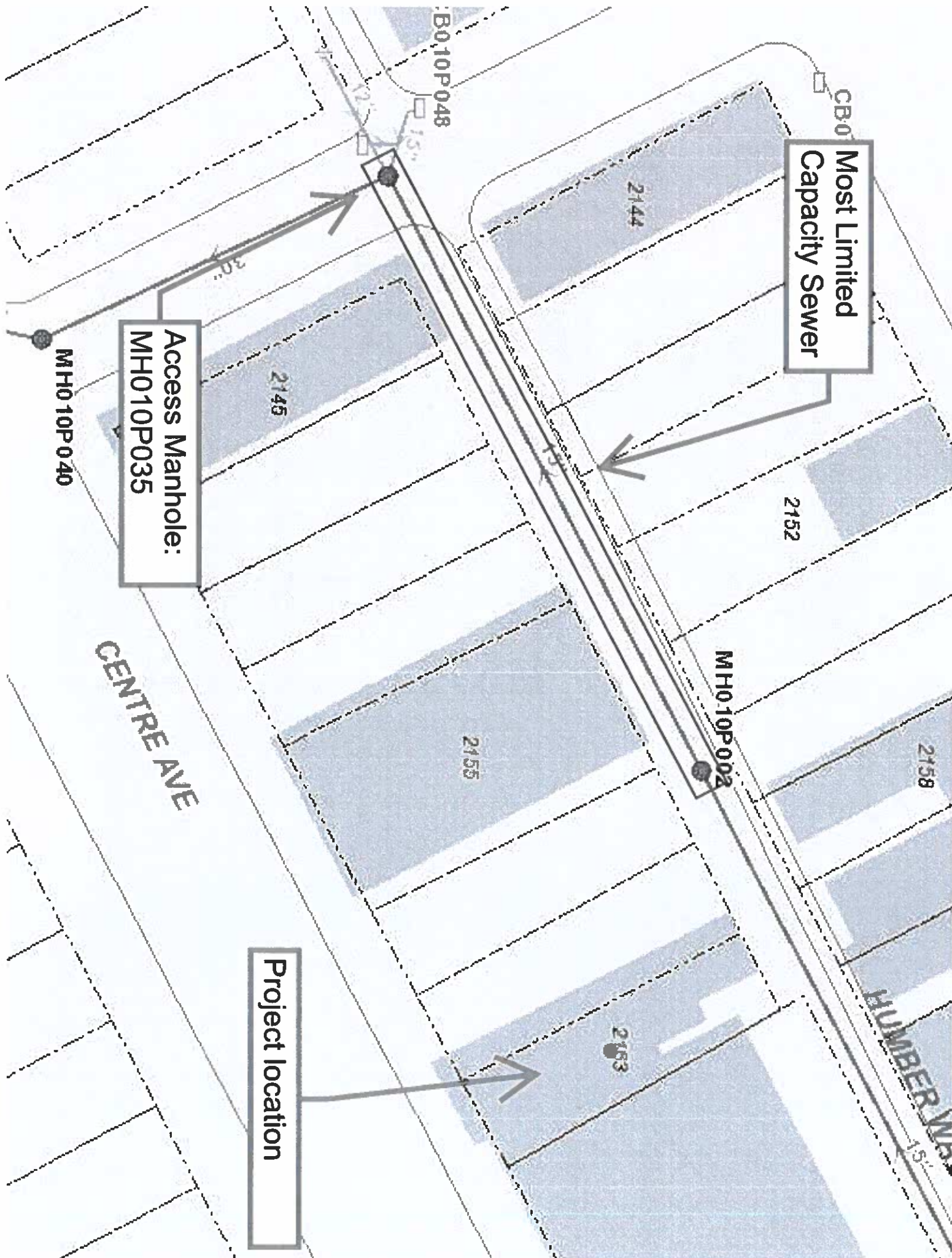
Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH010K006	MH010P002	988.15	980.60	275.42	15	VCP	0.015	1.23	3.927	2.74%	6,007,026
MH010P002	MH010P035	980.60	977.80	65.12	15	CO/BR	0.013	1.23	3.927	4.30%	8,680,675
MH010P035	MH010PD40	977.80	977.00	84.98	30	Concrete	0.013	4.91	7.854	0.94%	25,790,809
MH010P040	MH010P039	977.00	976.70	30.29	30	Concrete	0.013	4.91	7.854	0.99%	26,453,876
MH010P039	MH010P038	976.70	969.80	333.26	30	Concrete	0.013	4.91	7.854	2.07%	38,248,224
MH010P038	MH010N048	969.80	959.15	129.73	30	Concrete	0.013	4.91	7.854	8.21%	76,161,050
MH010N048	MH010N018	959.15	959.03	9.43	42	Concrete	0.013	9.62	10.996	1.27%	73,550,879
MH010N018	MH010N022	959.03	950.00	197.14	42	Concrete	0.013	9.62	10.996	4.58%	139,543,492
MH010N022	MH010N020	950.00	949.04	119.11	42	Concrete	0.013	9.62	10.996	0.81%	58,534,861
MH010N020	JCT010N014	949.04	947.14	144.13	42	Concrete	0.013	9.62	10.996	1.32%	74,860,495
JCT010N014	MH010N027	947.14	947.08	9.54	42	Concrete	0.013	9.62	10.996	0.63%	51,707,617
MH010N027	MH010N032	947.08	944.00	45.82	42	Concrete	0.013	9.62	10.996	6.72%	169,044,445
MH010N032	MH010N031	944.00	943.00	39.68	42	Concrete	0.013	9.62	10.996	2.52%	103,506,413
MH010N031	MH011A013	943.00	920.31	357.63	42	Concrete	0.013	9.62	10.996	6.34%	164,230,330
MH011A013	MH011A032	920.31	918.00	26.62	42	Concrete	0.013	9.62	10.996	8.68%	192,068,017
MH011A032	MH011A004	918.00	894.79	365.44	42	Concrete	0.013	9.62	10.996	6.35%	164,317,046
MH011A004	MH011A031	894.79	891.48	13.66	42	Concrete	0.013	9.62	10.996	24.23%	320,953,219
MH011A031	MH011A012	891.48	888.96	119.41	42	Concrete	0.013	9.62	10.996	2.11%	94,718,107
MH011A012	MH011E011	888.96	875.79	222.74	42	Concrete	0.013	9.62	10.996	5.91%	158,542,926
MH011E011	MH011E018	875.79	862.90	209.68	42	Concrete	0.013	9.62	10.996	6.15%	161,659,430
MH011E018	MH011E016	862.90	846.45	256.65	42	Concrete	0.013	9.62	10.996	6.41%	165,068,956
MH011E016	MH011E019	846.45	839.47	102.57	42	Concrete	0.013	9.62	10.996	6.81%	170,086,805
MH011E019	MH011E020	839.47	833.10	111.45	42	Concrete	0.013	9.62	10.996	5.72%	155,877,262

Most Limited
Capacity Sewer

Access Manhole:
MH010P035

Project location



2163 Centre Avenue Mixed-Use Development

Dry Weather Flow Calculations Report for 2163 Centre Avenue Mixed-Use Development

October 2021

PREPARED BY:

COSMOS TECHNOLOGIES, INC.



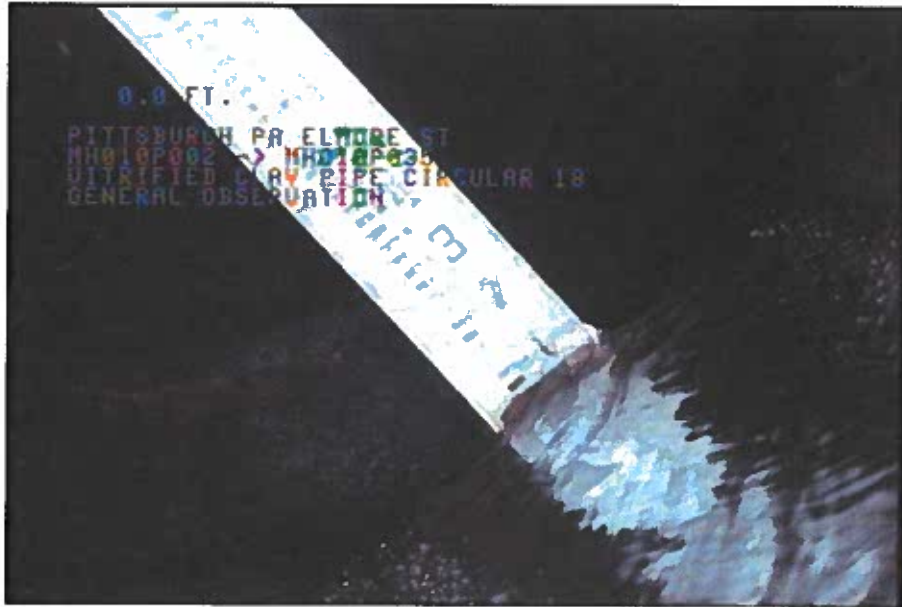


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0FT, General Observation / 7:25AM



Water Use and Sanitary Sewage Flow Estimates:

Floor	Quantity	Per Unit Water Consumption	Total Water Consumption
First Floor			
Commercial space, <i>Offices(per employee)</i>	20	10	200
Second Floor			
1 Bedroom Apartment	3	150	450
2 Bedroom Apartment	1	300	300
Third Floor			
1 Bedroom Apartment	3	150	450
2 Bedroom Apartment	1	300	300
Fourth Floor			
1 Bedroom Apartment	3	150	450
2 Bedroom Apartment	1	300	300
Total Water Use and Sanitary Sewage Flow:			2450

Surface/Storm Flow Estimates:

i, Average Rainfall Intensity (25-year, 5-minute Storm) = 7.1 inches/hour (PennDOT Publication 584)
 C1, Coefficient of Runoff (Building Footprint/Pavement) = 0.95
 C2, Coefficient of Runoff (Landscape Area) = 0.40

For Existing Condition:

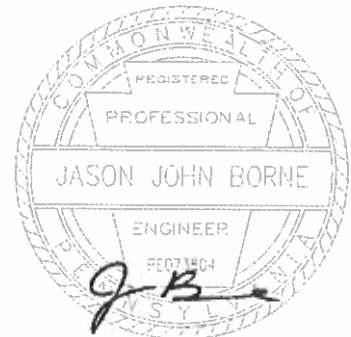
A1 (Building Footprint/Pavement Area) = 0.0263 acre
 A2 (Landscape Area) = 0.0726 acre
 Total Area A = (A1+A2) = 0.0989
 C = (C1.A1+C2.A2)/(A1+A2) = 0.55

Existing Storm Flow (Q1) = C i A
 = 0.55 x 7.1 in/hr x 0.0989 acre
 = **0.39 cfs**

For Proposed Condition:

A3 (Building Footprint/Pavement Area) = 0.0981 acre
 A4 (Landscape Area) = 0.0008 acre
 Total Area A = (A3+A4) = 0.0989
 C = (C1.A3+C2.A4)/(A3+A4) = 0.946

Project Storm Flow (Q2) = C i A
 = 0.946 x 7.1 in/hr x 0.0989 acre
 = **0.66 cfs**





PROJECT NARRATIVE

2163 CENTRE AVENUE MIXED-USE DEVELOPMENT CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

Project Location:

On behalf of the property owner, Amani Development (Lee Walls), Cosmos Technologies, Inc. (Cosmos) presents this Project Narrative for the 2163 Centre Avenue Mixed-Use Development project. The project is located at 2163 Centre Avenue in the City of Pittsburgh, Allegheny County, Pennsylvania. The site is presently comprised of the existing 1-story building (Parcel#:10-P-25) and adjacent vacant land (Parcel#: 10-P-26, 10-P-27). The Proposed site is bounded to the south by Centre Avenue, to the north by Humber Way, to the east by adjacent parcel (Parcel#: 10-K-46), and to the west by an adjacent parcel (Parcel#: 10-P-29).

Project Summary:

The proposed project includes the renovation of the existing building at 2163 Centre Avenue (parcel: 10-P-25) and the development of a 4-story mixed-use building at the adjacent vacant lots (10-P-26, 10-P-27), with ground level office space and one- and two-bedroom residential units above. Exterior improvements are also proposed including sidewalks, parking lot, dumpster enclosure, extension of Humber Way pavement, and outdoor landscape/hardscape.

Water Use and Sanitary Sewer Flow Estimate:

The Proposed building will be primarily used for one- and two-bedroom residential apartments. This description aligns the project to the "Apartments (1 bedroom)" and "Apartments (2 bedroom)" classifications (per PWSA Table 1 – Water Use and Sanitary Sewage Flow Estimates) when developing the anticipated water use and sanitary flow calculations. The Proposed Building also has Commercial Space on Ground Floor. This Description align the Project to the "Office (*per employee*)" clarification (per PWSA Table 1 – Water Use and Sanitary Sewage Flow Estimates) when developing the anticipated water use and sanitary flow calculations. The typical quantity of each type of unit and per unit water consumption has been calculated in the attached water consumption spreadsheet. The corresponding water use, and sanitary sewer flows are as follows:

$$\begin{aligned}\text{Project Flow} &= \text{Project Water Use and Sanitary Sewage Flow (Table 1)} \times \text{Quantity} \\ &= 2,450 \text{ gpd}\end{aligned}$$

The proposed site has been vacant (for more than 5 years) and as such no Existing Flow has been assumed. The Net Flow from the proposed project for permitting purposes is equivalent to the proposed condition Project Flow and calculated as follows:

$$\begin{aligned}\text{Net Flow} &= \text{Project Flow} - \text{Existing flow} \\ &= 2,450 \text{ gpd} - 0 \text{ gpd} \\ &= 2,450 \text{ gpd}\end{aligned}$$

Surface/Storm Flow Estimate:

Storm flows are captured by downspouts from new proposed building roof, which are routed to the proposed storm sewer connection on Humber way. The storm flow was calculated for the building footprint/pavement (Coefficient of Runoff = 0.95) and landscape area (Coefficient of Runoff = 0.40) using the Rational Method for the 25-year, 5-minute duration storm intensity of 7.10 inches/hour and calculated as follows:

$$\begin{aligned} \text{Existing Storm Flow} &= C i A \\ &= 0.55 \times 7.10 \text{ in/hr} \times 0.0989 \text{ acres} \\ &= 0.39 \text{ cfs} \end{aligned}$$

$$\begin{aligned} \text{Project Storm Flow} &= C i A \\ &= 0.946 \times 7.10 \text{ in/hr} \times 0.0989 \text{ acres} \\ &= 0.66 \text{ cfs} \end{aligned}$$

Proposed Water and Sewer Tap-ins:

The PWSA currently has an existing 8" diameter water main on Centre Avenue which will likely support this project. The project is not intending to reuse the existing water lateral, which will be abandoned and the tap-in terminated. A new 4" diameter tap is proposed which will split behind the curb line to create a 2" diameter domestic and a 4" diameter fire protection line (to support a fire sprinkler system).

The PWSA currently has an existing 18" diameter combined sewer on Humber Way which is intended to support the storm and sanitary sewer connection for this project. The project is not intending to reuse the existing sewer tap connection, which will be terminated as part of this project. A proposed 6" sanitary lateral will combine with a separate 8" storm lateral at the new 8" diameter sewer tap-in on the 18" diameter PWSA combined sewer.

Flow Depth Measurement Procedure:

The PWSA provided guidance as to the required location of the flow depth measurements at the most limited capacity sewer (MLCS) downslope of the proposed project sewer tap-in. While the PWSA mapping indicated that this pipe section was a 15" diameter CO/BR, a field investigation deduced that the section was an 18" diameter VCP. The flow depth measurements were to be obtained at a PWSA manhole on the most hydraulically limited pipe which was the 18" VCP combined sewer segment (196.60 linear foot) between PWSA manhole structure MH010P035 and PWSA manhole MH010P002, on Humber Way.

Robinson Pipe Cleaning was responsible for obtaining the present flow measurement at the most hydraulically limited sewer segment. The Peak Flow Measurement method was used, involving a minimum of five (5) flow depth measurements at the MLCS over a one (1)-hour period on a weekday between 6-8 a.m. Robinson Pipe Cleaning obtained the required five (5) measurements on February 17th, 2021 between 6-8 a.m. at PWSA manhole MH010R035, at the intersection of Humber Way and Elmore Street.

Sewage Facilities Planning Module Peak Flow Calculations:

The observed flow depth was minimal and recorded as approximately 0.05 feet, which corresponds to an approximate 0.6" flow depth at the 18" combined sewer pipe. The Permitted Capacity and Present Flows were calculated in the PADEP Sewage Facilities Planning Module component forms using the 0.6" peak flow depth, the MLCS pipe segment slope of 4.30% (as provided by the PWSA in the MLCS Spreadsheet), and a roughness coefficient of 0.013 (which is consistent with the PWSA MLCS Spreadsheet).



DATA

Project Flow⁽¹⁾ (Q₀): 2,450 gpd

Hydraulically restricted segment⁽²⁾: 18" VCP segment on Humber Way, between MH010P002 and MH010P035

Type of sewer: Combined

Hydraulically restricted segment

Parameter	Variable	Peak Flow	Full Pipe	Unit
Upstream Invert		980.6	980.6	ft
Downstream Invert		977.8	977.8	ft
Pipe Length	L	65.12	65.12	ft
Flow depth ⁽³⁾	h	0.60	18	in
Manning number	n	0.013	0.013	
Diameter	D	18	18	in

Notes:

- (1) Project Flow from PWSA Water and Sewer Use Application Calculations
- (2) Location provided by PWSA Reviewer Ari Wynn on October 7, 2021 (PWSA mapping indicated the segment diameter as 15")
- (3) Calculated measurements made by Robinson Pipe Company.
- (4) The PWSA-identified MLCS segment between manholes MH010P002 and MH010P035 was observed in the field as a 18" VCP sewer.

**CALCULATIONS**

Selected method:

METHOD 1 - Measured PEAK Flow (preferred method)

Peaking Factor (PF):

3.5 for combined sewers

Hydraulically restricted segment

Parameter	Variable	Peak	Full Pipe	Unit
Slope Angle	S θ	4.30% 0.73	4.30% 6.28	rad
Area	A	0.018	1.767	sf
Wetted Perimeter	P	0.551	4.712	ft
Hydraulic radius	Rh	0.033	0.375	ft
Flow	Q	0.044 19.7	21.782 9,776.9	cfs gpm
		28,380	14,078,744	gpd

RESULTS

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S. (6))	
	Average Q _d /PF	Peak Q _d ⁽⁴⁾	Average Q _p /PF	Peak Q _p ⁽⁵⁾	Average Q _d /PF	Peak Q _d =(Q _p +Q ₀)x1.05
Collection	4,022,498	14,078,744	8,109	28,380	9,249	32,372
Conveyance	4,022,498	14,078,744	8,109	28,380	9,249	32,372
Treatment	4,022,498	14,078,744	8,109	28,380	9,249	32,372

Notes:

(4) Flow (Q) of the Hydraulically restricted segment under Full Pipe conditions

(5) Flow (Q) of the Hydraulically restricted segment under Peak conditions

(6) P.S. stand for pump stations.

1. PROJECT INFORMATION

Project Name: **2163 CENTRE AVENUE MIXED-USE DEVELOPMENT**

Date of Review: **10/8/2021 10:32:30 AM**

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

Project Area: **0.10 acres**

County(s): **Allegheny**

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

ZIP Code:

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

Watersheds HUC 8: **Lower Monongahela**

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

Decimal Degrees: **40.445315, -79.977050**

Degrees Minutes Seconds: **40° 26' 43.1331" N, 79° 58' 37.3794" W**

2. SEARCH RESULTS

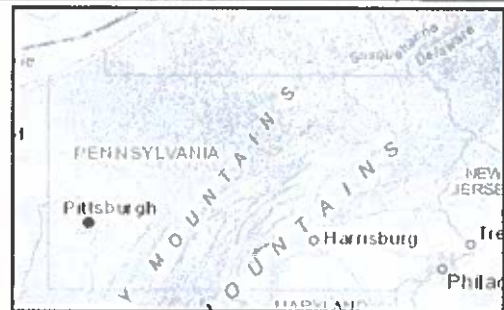
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No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

2163 CENTRE AVENUE MIXED-USE 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

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:

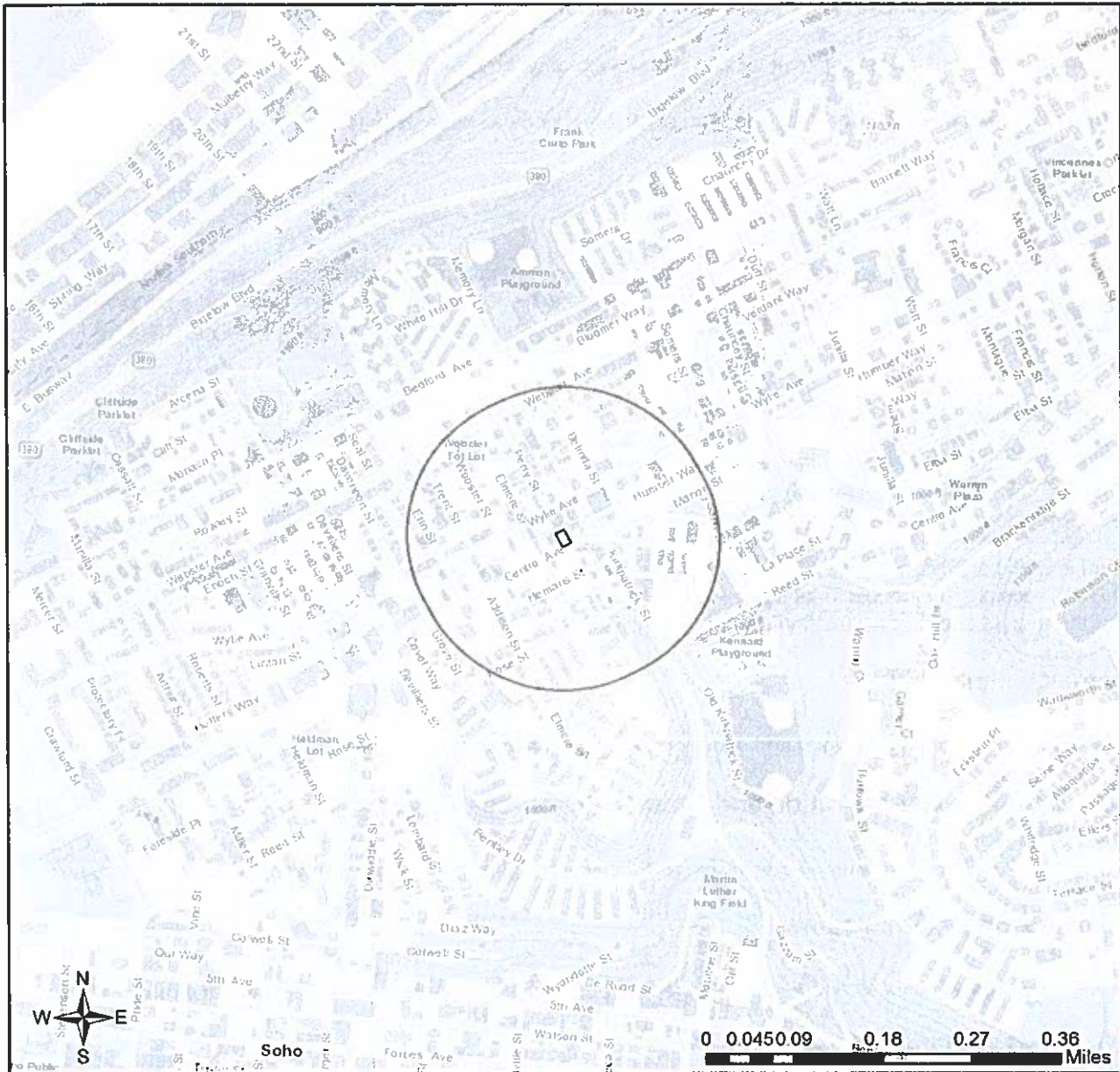
No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

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.

2163 CENTRE AVENUE MIXED-USE DEVELOPMENT



- Project Boundary
- Buffered Project Boundary

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



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

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

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: Brandon Nixon
Company/Business Name: Cosmos Technologies Inc.
Address: 700 River Avenue, Suite 100
City, State, Zip: Pittsburgh, PA, 15212
Phone: (412) 321-3951 ext. 402 Fax: ()
Email: bnixon@cosmostechnologiesinc.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

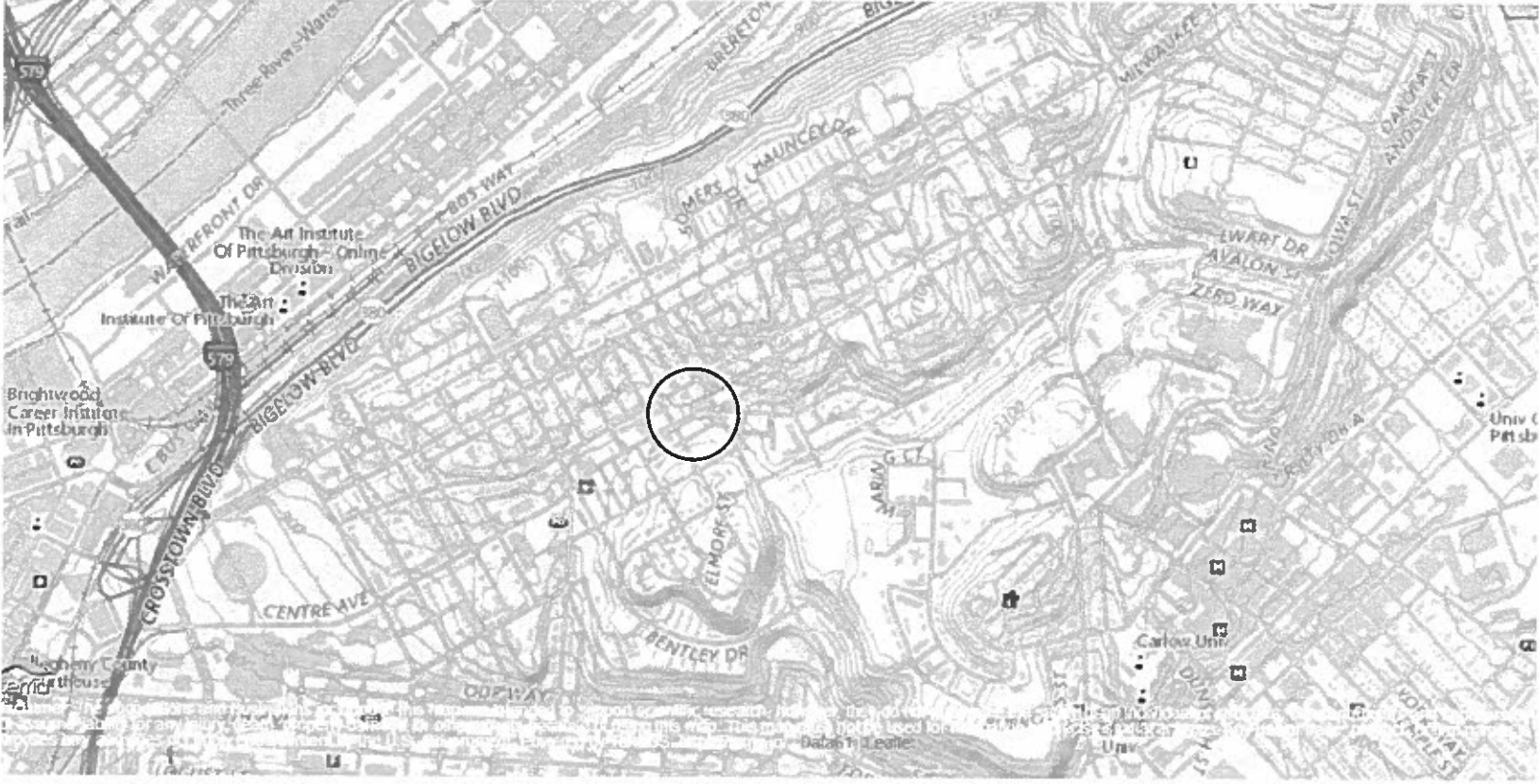
Brandon Nixon
applicant/project proponent signature

3/15/2022
date

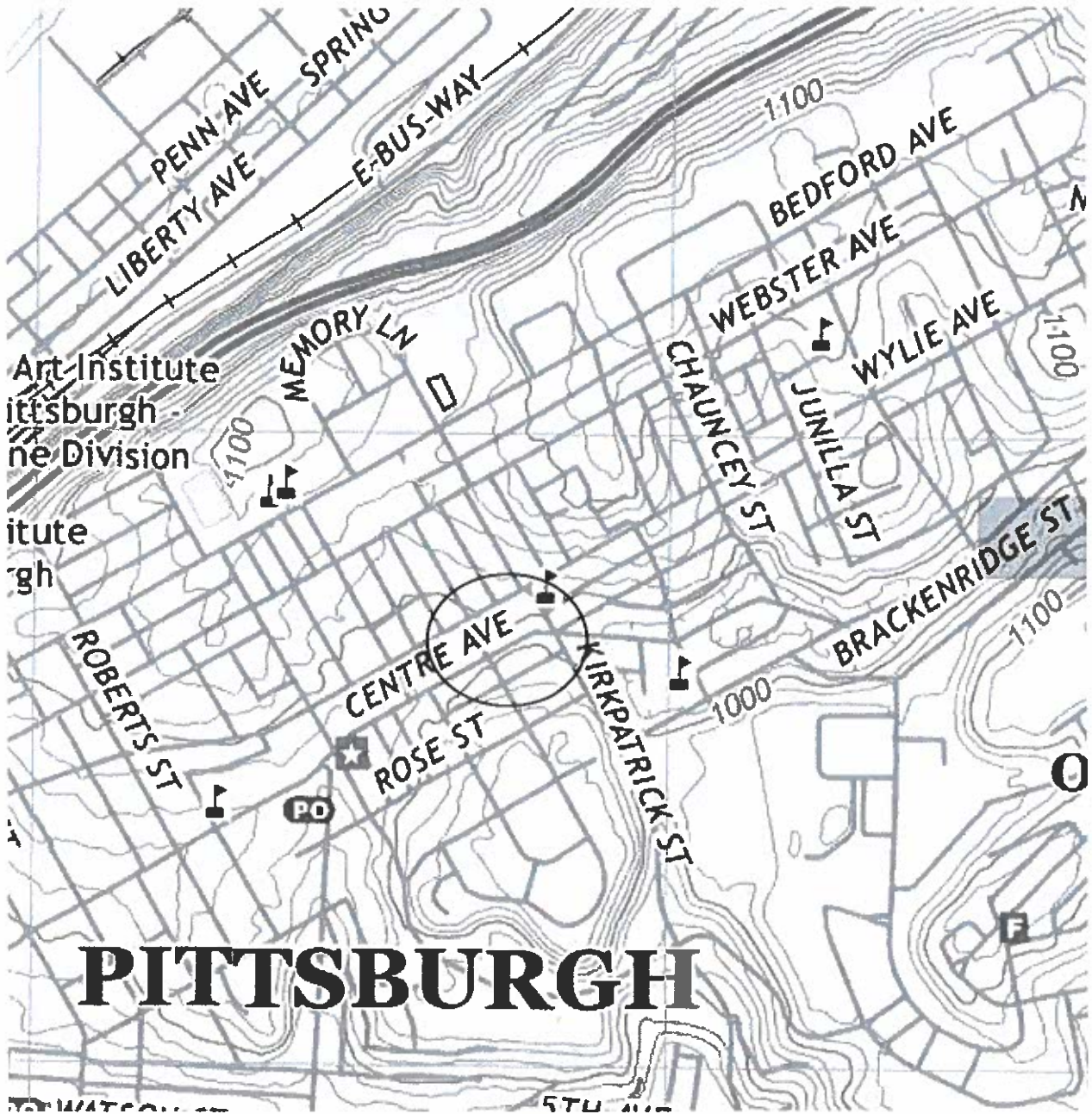
4. DEP INFORMATION

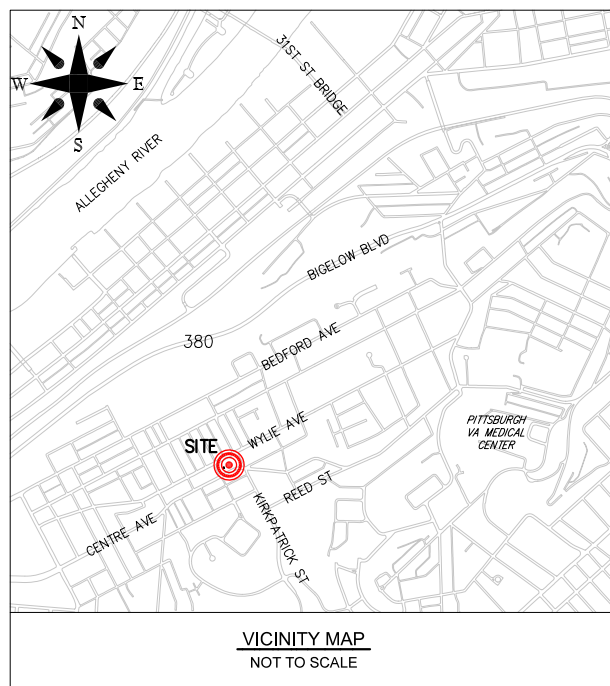
The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available 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>.

USGS Site Location Map



USGS Site Location Map





VICINITY MAP
NOT TO SCALE

DESIGN CONTACT INFORMATION
SERIAL NUMBER: 20212853457

COMPANY: PEOPLES GAS COMPANY LLC
ADDRESS: 375 NORTH SHORE DRIVE
PITTSBURGH, PA. 15212
CONTACT: MICHAEL DENNY
EMAIL: MICHAEL.DENNY@PEOPLES-GAS.COM

COMPANY: CROWN CASTLE
ADDRESS: 1500 CORPORATE DR
CANONSBURG, PA. 15317
CONTACT: TYLER STEIN
EMAIL: tyler.stein@crowncastle.com

COMPANY: VERIZON PENNSYLVANIA LLC
ADDRESS: 1026 HAY ST
PITTSBURGH, PA. 15221
CONTACT: DEBORAH BARUM
EMAIL: deborah.d.delia@verizon.com

COMPANY: PITTSBURGH WATER & SEWER AUTHORITY THE
ADDRESS: 1200 PENN AVENUE
PITTSBURGH, PA. 15222
CONTACT: RICK OBERMEIER
EMAIL: robermeier@pgh2o.com

COMPANY: PITTSBURGH CITY DEPT OF MOBILITY & INFRA
ADDRESS: 611 SECOND AVE
PITTSBURGH, PA. 15219
CONTACT: BRIAN RALSTON
EMAIL: brian.ralston@pittsburghpa.gov

COMPANY: ALLEGHENY CITY ELECTRIC INC
ADDRESS: 3080 BABCOCK BLVD
PITTSBURGH, PA. 15237
CONTACT: TOM ULIZZI
EMAIL: tmul@alleghencyelectric.com

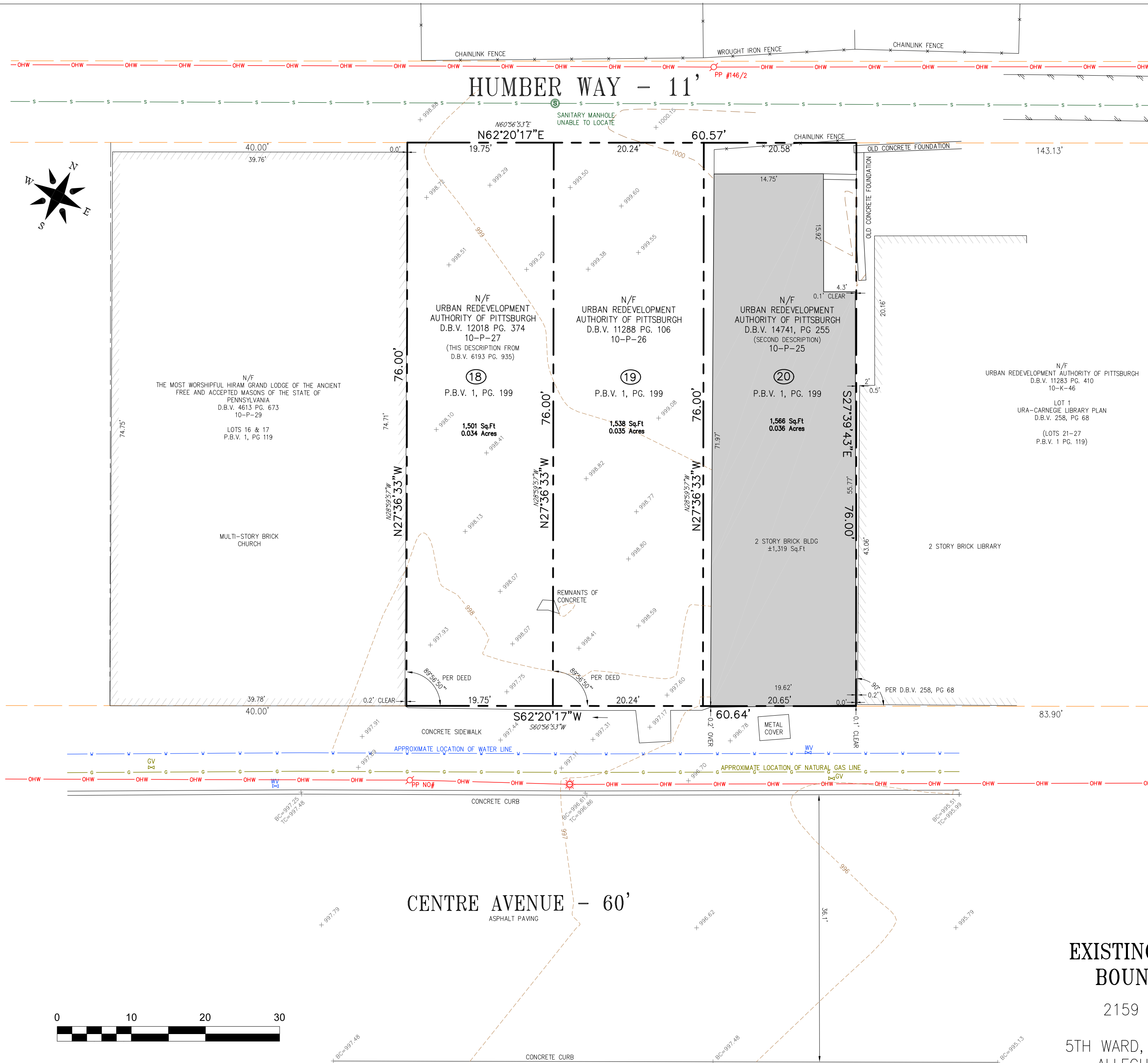
COMPANY: DUQUESNE LIGHT COMPANY
ADDRESS: 2645 NEW BEAVER AVE
PA-TD
PITTSBURGH, PA. 15233
CONTACT: KYLIE PARISON
EMAIL: kparison@duqlight.com



Know what's below
Call before you dig

LEGEND

	WATER VALVE
	GAS VALVE
	LIGHT POLE
	UTILITY POLE
	SANITARY MANHOLE
	SPOT ELEVATION
	UNDERGROUND GAS LINE
	UNDERGROUND WATER LINE
	UNDERGROUND SEWER LINE
	OVERHEAD UTILITIES
	1' CONTOURS
	5' INDEX CONTOURS



SURVEYOR'S NOTES:

- BEARINGS ARE BASED ON NAD83, PA STATE PLANE SOUTH ZONE COORDINATES, BEARINGS IN ITALIC ARE FOR REFERENCE TO THE CURRENT DEED OF RECORD. ELEVATIONS ARE BASED ON NAVD88 VERTICAL DATUM. CONTOURS ARE DRAWN AT 1' INTERVALS.
- UTILITIES ARE BASED ON VISIBLE EVIDENCE FOUND IN THE FIELD AND PLANS SENT PER A DESIGN ONE CALL TICKET SUBMITTED ON BEHALF OF THE PROJECT, ALL LOCATIONS SHOULD BE CONSIDERED APPROXIMATE.



Amy Jo Hopkins
11/16/2021

DATE: 11/16/2021
DRAWN BY: DJH
REVIEWED BY: AJH
REVISED:
SCALE: 1"=10'
PROJECT NO: 2021-055

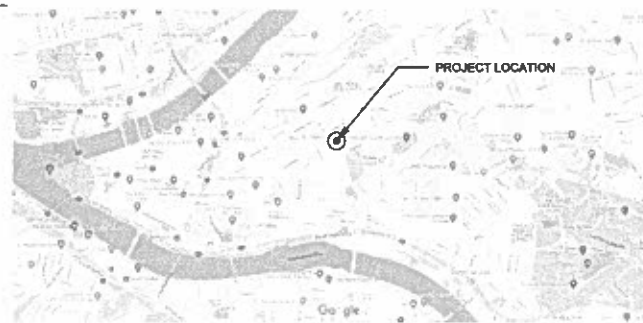
EXISTING CONDITIONS &
BOUNDARY SURVEY

LOCATED AT
2159 CENTRE AVENUE
SITUATE IN
5TH WARD, CITY OF PITTSBURGH
ALLEGHENY COUNTY, PA

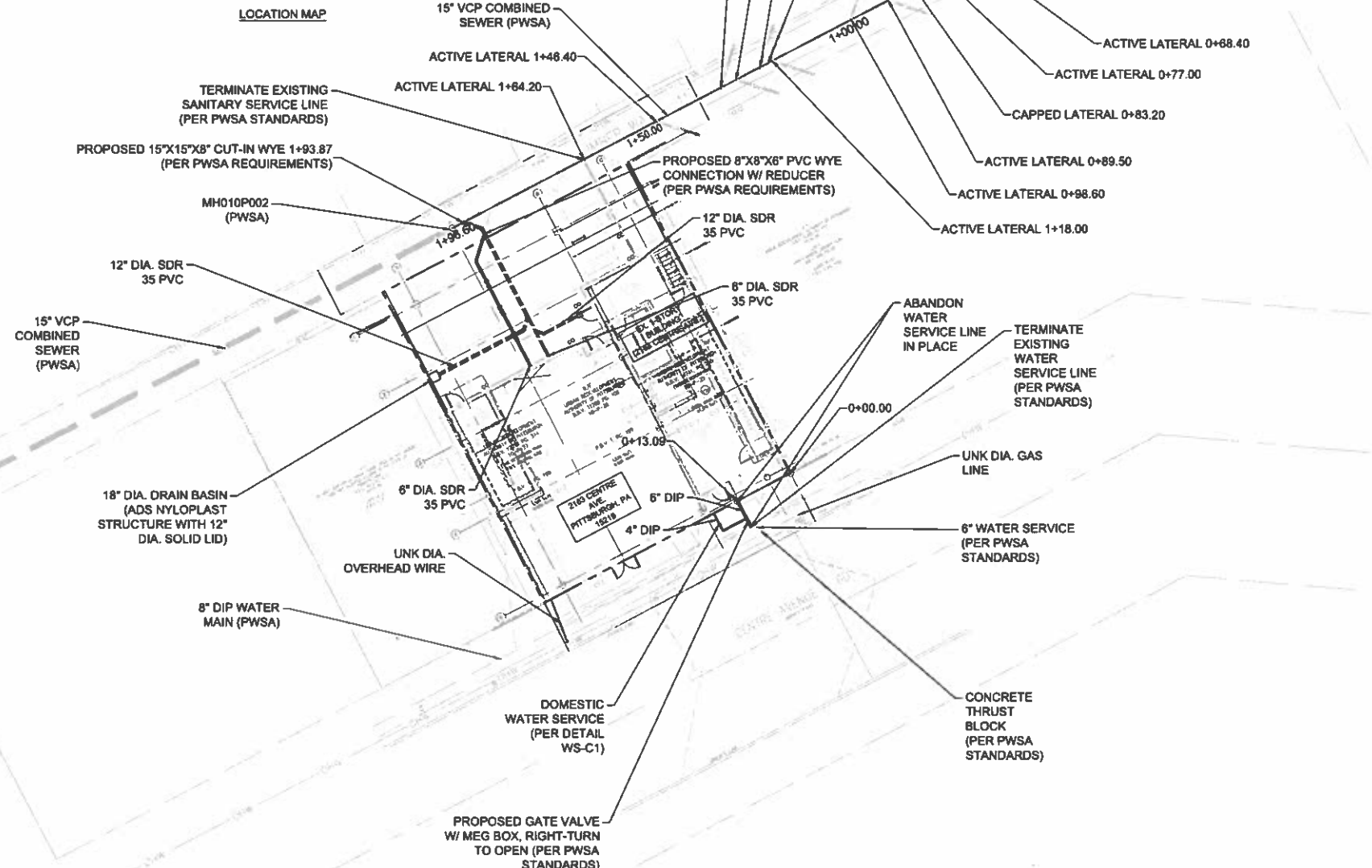
MADE FOR
COSMOS TECHNOLOGIES



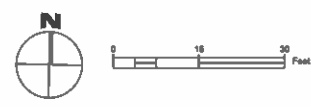
1616 McCLURE RD, SUITE A, MONROEVILLE, PA 15146 * 412-744-4520



LOCATION MAP



EXISTING METER
ACCOUNT #2155450



HYDRANT FLOW TEST RESULTS
To be completed by the Applicant and provided once within the plan set, if applicable.

DATE OF TEST 5-6-22
HYDRANT PERMIT NUMBER HYD-212-0422
PERFORMED BY KEVIN KELSO

PRESSURE HYDRANT
HYDRANT NUMBER A607
LOCATION CENTRE AVE. & KIRKPATRICK ST
STATIC PRESSURE, PSI 120 PSI
RESIDUAL PRESSURE, PSI 110 PSI

FLOW HYDRANT
HYDRANT NUMBER A655
LOCATION CENTRE AVE & ELMORE ST
FLOW OBSERVED, GPM 1,500 G.P.M

CALCULATIONS *
PROJECTED FLOW AT 20 PSI, GPM _____

* Per NFPA 291 (Section 4.4.6), the residual pressure needs to achieve a 10% drop from the static pressure to calculate accurate flow projections. Please note that multiple flow hydrants may need to be simultaneously flowed to achieve the 10% drop at the pressure hydrant. In those instances the flow observed needs to be reported for each flow hydrant.

SPRINKLER SYSTEM DESIGN INFORMATION
To be completed by the Applicant and provided once within the plan set, if applicable.

ADDRESS(ES): _____
DESIGNED BY: _____

TYPE OF SYSTEM (Check one)
____ 13D 13
____ 13R _____ OTHER: _____

SYSTEM CONFIGURATION (Check one)
 STAND-ALONE SPRINKLER SYSTEM
____ MULTI-PURPOSE SPRINKLER SYSTEM

HOSE DEMANDS (N/A for 13D systems)
INSIDE HOSE DEMAND, GPM _____
OUTSIDE HOSE DEMAND, GPM _____

FIRE PUMP (Check one)
____ NO, NOT NEEDED
 YES, LOWEST PERMISSIBLE
SUCTION PRESSURE * 55 PSI *

* For fire pump installations, the hydrant flow test shall be required to achieve a 10% drop from the static pressure to the residual pressure.

PEAK DAILY SANITARY FLOW DEMANDS
To be completed by the Applicant and provided once within the plan set, if applicable:

PROJECT FLOW, GPD	
EXISTING FLOW, GPD	
NET FLOW, GPD	

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK
To be completed by the Applicant and provided on each sheet within the plan set

(Check all that apply)
 NEW WATER CONNECTION(S)
 NEW SEWER CONNECTION(S)
____ REUSE EXISTING WATER CONNECTION(S)
____ REUSE EXISTING SEWER CONNECTION(S)
 TERMINATE EXISTING WATER CONNECTION(S)
 TERMINATE EXISTING SEWER CONNECTION(S)
____ PRIVATE CONSTRUCTION OF PUBLIC FACILITIES

To be completed by the PWSA:
(Required for ALL approvals)

REVIEWER, DEPT. OF ENGINEERING AND CONSTRUCTION _____

SENIOR PROJECT MANAGER, DEPT. OF ENGINEERING AND CONSTRUCTION _____

DIRECTOR OF OPERATIONS _____

(Required for "Private Construction of Public Facilities" ONLY)

DIRECTOR, DEPT. OF ENGINEERING AND CONSTRUCTION _____

PWSA PROJECT NUMBER _____

TAP C RECORD NUMBER _____

The PWSA approval was based on information provided by others under the assumption that the information was accurate and complete. Please refer to the PWSA Developer's Manual for detailed information on the regulations and procedures for obtaining water and sewer service.

PEAK OPERATING WATER DEMANDS
To be completed by the Applicant and provided once within the plan set, if applicable:

METER INFORMATION				DOMESTIC SYSTEM		FIRE SYSTEM	
QUANTITY	SIZE	TYPE	USE	FLOW, GPM	PRESSURE, PSI	FLOW, GPM	PRESSURE, PSI
1	1 1/2"	POSITIVE DISPLACEMENT	FIRE			510	55
1	2"	POSITIVE DISPLACEMENT	DOMESTIC	135	65		

METER SIZE: 3/8", 1/2", 3/4", 1", 2", 3", 4", 6", 8", 10", 12", 16"
METER TYPE: POSITIVE DISPLACEMENT, COMPOUND, ELECTROMAGNETIC, ULTRASONIC, TURBINE
METER USE: DOMESTIC, FIRE, COMBINATION

ONE CALL SERIAL #20212293646

NOTE: The utility locations shown on this plan are approx. locations only as per utility company information and information supplied by the PA One Call System.

*Before you dig anywhere in Pennsylvania STOP! Call PA One-Call at 1-800-242-1776 Toll Free for actual field utility locations.



Pennsylvania Act 38 (1991) requires no less than 3 working days notice nor more than 10 working days notice from excavators who are about to dig, drill, blast, auger, bore, grade, trench, or demolish when in the construction phase. A designer is required to give no less than 10 working days nor more than 90 working days notice when engaged in the design phase. Both of these conditions involve the entire Commonwealth.



PREPARER
BRANDON NIXON
412.321.3951
700 RIVER AVE, SUITE 100
Pittsburgh, PA 15212
PROJECT NUMBER 383-01-202
DESIGN DEVELOPMENT
REVISIONS

AMANI MIXED-USE DEVELOPMENT
AMANI DEVELOPMENT
Pittsburgh, PA
PWSA 1 - WATER AND SEWER TAP IN PLAN