

**SEWAGE FACILITIES PLANNING MODULE  
APPLICATION MAILER**



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

For more information, visit DEP's website at  
[www.depweb.state.pa.us](http://www.depweb.state.pa.us), keyword: Act 537.

## 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](http://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](http://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](http://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](http://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](http://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](http://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 Harvard Beatty Housing
Developer Name Harvard Beatty Housing, LLC
Address 130 7TH Street, Pittsburgh, PA, 15222
Telephone # 412-688-7200
Email jkemerer@trekdevelopment.com

2. Location of Development

a. County Allegheny
b. Municipality Pittsburgh
c. Address or Coordinates 121 North Beatty Street, Pittsburgh, PA, 15206
d. Tax Parcel # 83-P-225
e. USGS Quad Name Pittsburgh East Quadrangle inches up 9.2 over 13.0 from bottom right corner of map.
f. Located in a High Quality/Exceptional Value watershed? [X] No

3. Type of Development Proposed (check appropriate box)

[X] Residential [X] Multi-Residential
Describe Twenty Seven(27) One-bedroom Apartments, Nine(9) Two-bedroom Apartments
[ ] Commercial [ ] Institutional
Describe
[ ] Brownfield Site Redevelopment
[ ] Other (specify)

4. Size

a. # of lots 1 # of EDUs 27.63
b. # of lots since 5/15/72 1
c. Development Acreage 0.52
d. Remaining Acreage

5. Sewage Flows 11050 gpd

6. Proposed Sewage Disposal Method (check applicable boxes)

[ ] Sewerage System [X] New (extension)
[ ] Existing (connection only) [ ] 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. [X] 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:

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**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

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DEP USE	
<b>Components Sent</b>	
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"

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## 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** HARVARD BEATTY HOUSING, LLC has proposed the development of a parcel of land identified as  
land developer

HARVARD BEATTY HOUSING, 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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Seal of  
Governing Body

Telephone \_\_\_\_\_



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

## SEWAGE FACILITIES PLANNING MODULE

### Component 3. Sewage Collection and Treatment Facilities

*(Return completed module package to appropriate municipality)*

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #
02001-21-004				

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

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

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

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

### A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Harvard Beatty Housing

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2. Brief Project Description The proposed project includes the construction of a four (4)-story multi-unit apartment building as well as external enhancements consisting of landscaping, walkways, and 30 off-street parking spaces.

### 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

**C. SITE INFORMATION** (See Section C of instructions)

**Site (Land Development or Project) Name**

Harvard Beatty Housing

Site Location Line 1

121 N. Beatty street

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15206

Latitude

Longitude

Detailed Written Directions to Site Located at southwest corner of North Beatty Street and Harvard Street

Description of Site 0.52 acre of existing parking lot to be demolished in preparation for the construction of a new four(4)-story residential building.

**Site Contact (Developer/Owner)**

Last Name

Kemerer

First Name

Janelle

MI

Suffix

Phone

412 688-7200 ext.  
1005

Ext.

Site Contact Title

Project Manager

FAX

Site Contact Firm (if none, leave blank)

TREK Development Group

Email

jkemerer@trekdevelopment.com

Mailing Address Line 1

130 7th Street, Suite 300

Mailing Address Line 2

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15222

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

Last Name

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.

**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 27

Connections 1

Name of:

existing collection or conveyance system 20" combined sewer on N. Beatty street

owner Pittsburgh Water and Sewer Authority

existing interceptor Monongahela River Interceptor

owner Allegheny County Sanitary Authority (ALCOSAN)

**2. WASTEWATER TREATMENT FACILITY**

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

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

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

Name of existing facility ALCOSAN Woods Run WWTP

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number \_\_\_\_\_

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

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

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature SR P. McWilliams Date 07/13/2021

(Also see Section I. 4.)

**G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)**

**3. PLOT PLAN**

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

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

**4. WETLAND PROTECTION**

YES NO

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

**5. PRIME AGRICULTURAL LAND PROTECTION**

YES NO

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

**6. HISTORIC PRESERVATION ACT**

YES NO

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

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

**7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES**

Check one:

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

Applicant or Consultant Initials \_\_\_\_\_.

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

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

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

**1. Waters designated for Special Protection**

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

**2. Pennsylvania Waters Designated As Impaired**

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

**3. Interstate and International Waters**

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

**4. Tributaries To The Chesapeake Bay**

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

Name of Permittee Agency, Authority, Municipality \_\_\_\_\_

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

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

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

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

1. Project Flows 11,050 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
<b>Collection</b>	10535394	36873879	67000	77000	26415	92,453
<b>Conveyance</b>	10535394	36873879	67000	77000	26415	92453
<b>Treatment</b>	10535394	36873879	67000	77000	26415	92,453

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

Agent Signature \_\_\_\_\_ Date \_\_\_\_\_

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

c. Conveyance System  
Name of Agency, Authority, Municipality ALCOSAN  
Name of Responsible Agent Shawn P. McWilliams, EIT  
Agent Signature *Shawn P. McWilliams*  
Date 07/13/2021

4. Treatment Facility

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

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

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

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

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

b. Name of Agency, Authority, Municipality ALCOSAN  
Name of Responsible Agent Shawn P. McWilliams, EIT  
Agent Signature *Shawn P. McWilliams*  
Date 07/13/2021

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

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

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

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

**L. PERMEABILITY TESTING** (See Section L of instructions)

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

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

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



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

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

**O. SEWAGE MANAGEMENT** (See Section O of instructions)

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

Yes No

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

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

2. Project Flows 11050 gpd

Yes No

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

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

**(For completion by non-municipal facility agent)**

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System

Name of Responsible Organization \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

- c. Conveyance System

Name of Responsible Organization \_\_\_\_\_

Name of Responsible Agent \_\_\_\_\_

Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

5. Treatment Facility

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

Yes No

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

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

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

- b. Name of Facility \_\_\_\_\_  
Name of Responsible Agent \_\_\_\_\_  
Agent Signature \_\_\_\_\_  
Date \_\_\_\_\_

**(For completion by the municipality)**

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

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

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

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

**Yes No**

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

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

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

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

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

Chirag Moradiya	_____	<i>Chirag Moradiya</i>	_____
	Name (Print)	Signature	
Civil Engineer	_____	05/07/2021	_____
	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 \_\_\_\_\_

**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.

$$\# \text{_____ Lots (or EDUs)} \times \$50.00 = \$ \text{_____}$$

The fee is based upon:

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

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

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

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

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

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

The fee is based upon:

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



## 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

Harvard Beatty Housing

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

1. Date plan received by municipal planning agency July 27, 20212. Date review completed by agency July 29, 2021

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

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

**SECTION C. AGENCY REVIEW (continued)**

- | Yes                                 | No                                  |  |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 13. Is this proposal consistent with the ordinance?<br>If no, describe the inconsistencies _____   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 14. Is this plan consistent with the municipal Official Sewage Facilities Plan?<br>If no, describe the inconsistencies _____                               |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?<br>If yes, describe _____ |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?                                 |
| <input type="checkbox"/>            | <input type="checkbox"/>            | If yes, is the proposed waiver consistent with applicable ordinances?<br>If no, describe the inconsistencies<br>_____                                      |

17. Name, title and signature of planning agency staff member completing this section:  
 Name: Martina Wolf Battistone  
 Title: Principal Environmental Planner  
 Signature: *Martina Wolf Battistone*  
 Date: July 29, 2021  
 Name of Municipal Planning Agency: City of Pittsburgh Department of City Planning  
 Address 200 Ross Street 4th Floor Pittsburgh, PA 15219  
 Telephone Number: (412) 255-2516

**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.



## INSTRUCTIONS FOR COMPLETING COMPONENT 4B COUNTY PLANNING AGENCY REVIEW (or Planning Agency with Areawide Jurisdiction)

*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, 3, 3s or 3m).

#### **Section B. Review Schedule**

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

#### **Section C. Agency Review**

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

#### **Section D. Additional Comments**

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





**SEWAGE FACILITIES PLANNING MODULE  
COMPONENT 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

Harvard Beatty Housing

**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?<br>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?<br>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?<br>If no, describe inconsistencies: _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?<br>If yes, describe impact _____  |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Will any known historical or archeological resources be impacted by this project?<br>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?<br>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?<br>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.



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

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

### Background

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

### Who Should Complete the Component?

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

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

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

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

#### Section A. Project Name

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

#### Section B. Review Schedule

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

#### Section C. Agency Review

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

#### Section D. Additional Comments

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

**SEWAGE FACILITIES PLANNING MODULE  
 COMPONENT 4C - COUNTY OR JOINT HEALTH DEPARTMENT REVIEW**

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

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

Project Name

Harvard Beatty Housing

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

1. Date plan received by county or joint county health department July 19, 2021

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency July 20, 2021

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

Yes No

1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?  
 If no, what are the inconsistencies? \_\_\_\_\_

2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?  
 If yes, describe \_\_\_\_\_

3. Is there any known groundwater degradation in the area of this proposal?  
 If yes, describe \_\_\_\_\_

4. The county or joint county health department recommendation concerning this proposed plan is as follows: ACHD recommends approval. See attached letter.

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

Name: Freddie Fields

Title: Environmental Health Engineer III

Signature: *Freddie Fields*

Date: July 20, 2021

Name of County Health Department: ACHD

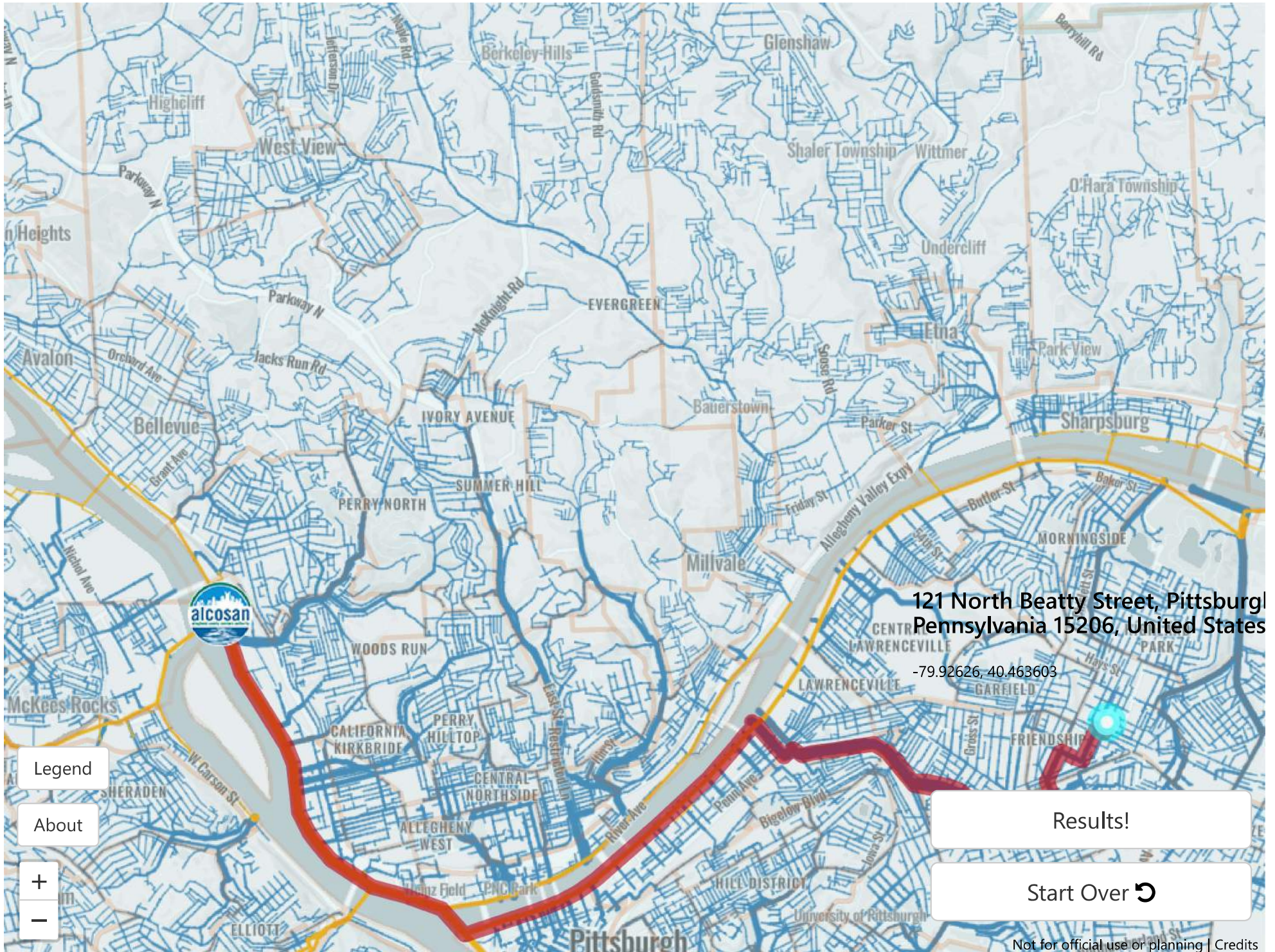
Address: 3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318

Telephone Number: 412-578-8046

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

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

The county planning agency must complete this component within 60 days.  
 This component and any additional comments are to be returned to the applicant.



121 North Beatty Street, Pittsburgh  
 Pennsylvania 15206, United States

-79.92626, 40.463603

Legend

About

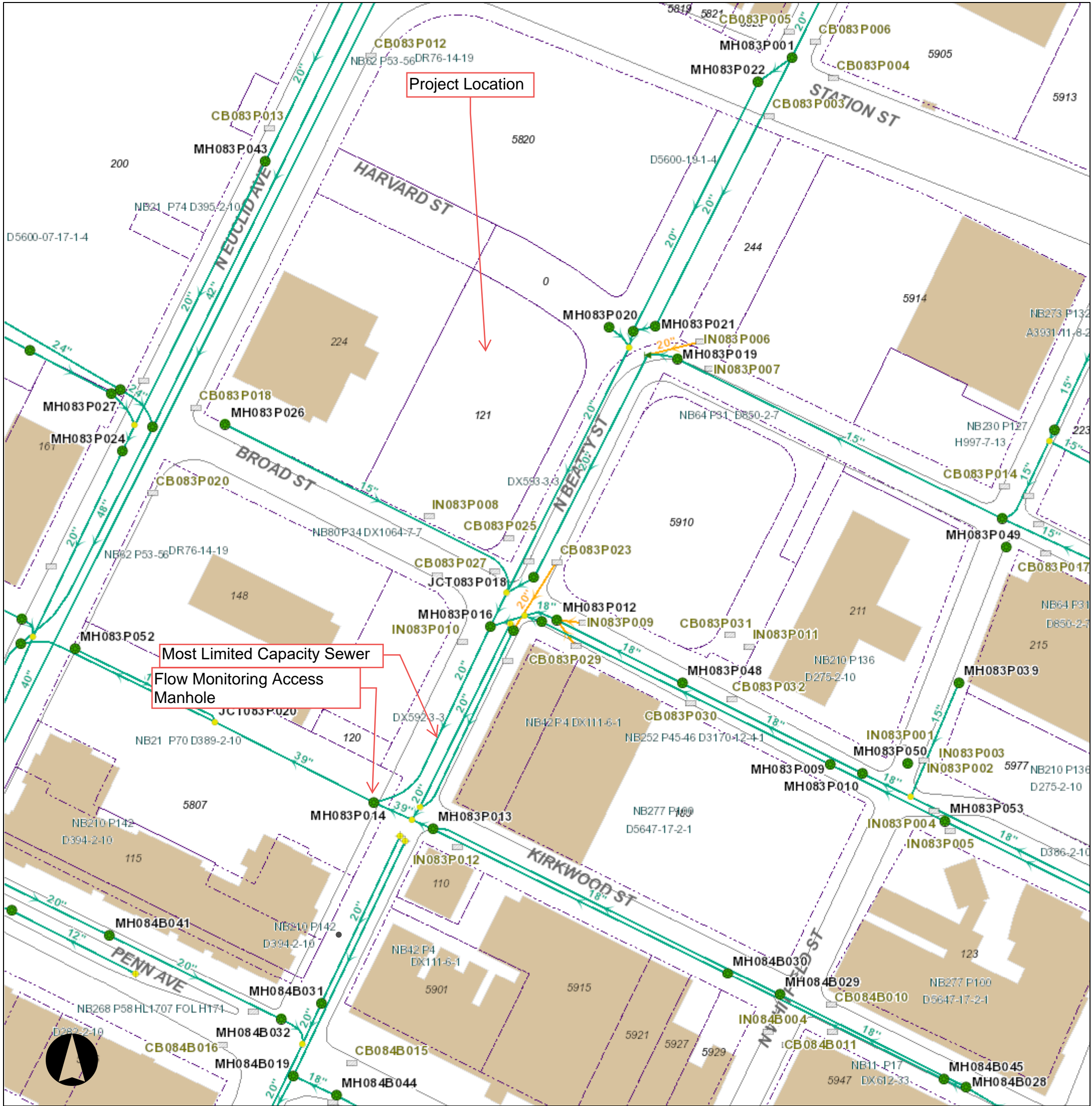
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Results!

Start Over ↻

# MLCS Map

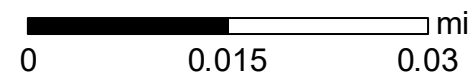


## Legend

- WATER**
- Meter
  - Curb Box
  - Water System Pump
  - Hydrant
  - System Valve
  - Dividing Pressure Valve
  - Coupling
  - Tee
  - Cross
  - Reducer
  - End Cap
  - Wash Out

- Pressure Monitoring Station
  - Water Manhole
  - Rising Main
  - Supply Main
  - Transmission Main
  - Distribution Main
  - Hydrant Branch
  - Private Main
  - Water Service Line
- SEWER**
- Manhole
  - Junction
  - Inlet

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



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

Date: 3/9/2021

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME: 20014.33 North Beatty Street and Harvard Street  
 PWSA PROJECT NUMBER: 20014.33  
 PWSA REVIEWER: Benjamin Grunauer, E.I.T.  
 DATE: March 9, 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
JCT083P016	JCT083P018	882.02	880.78	216.22	20	VCP	0.015	2.18	5.236	0.57%	5,923,186
JCT083P018	MH083P016	880.78	879.54	29.81	20	VCP	0.015	2.18	5.236	4.17%	15,952,300
MH083P016	MH083P014	879.54	878.29	172.86	20	VCP	0.015	2.18	5.236	0.72%	6,624,466
MH083P014	JCT083P020	878.29	877.05	126.11	39	Concrete	0.013	8.30	10.210	0.99%	53,112,761
JCT083P020	MH083P030	877.05	875.81	181.82	39	Concrete	0.013	8.30	10.210	0.68%	44,233,387
MH083P030	MH084B033	875.81	874.57	303.23	60	Concrete	0.013	19.63	15.708	0.41%	108,040,245
MH084B033	MH084A009	874.57	871.60	542.71	60	Concrete	0.013	19.63	15.708	0.55%	124,711,974
MH084A009	MH084E008	871.60	868.58	441.13	60	Concrete	0.013	19.63	15.708	0.69%	139,767,244
MH084E008	JCT084E004	868.58	868.08	66.26	66	Concrete	0.013	23.76	17.279	0.75%	188,851,715
JCT084E004	MH084A002	866.38	865.39	93.92	66	Concrete	0.013	23.76	17.279	1.06%	223,650,942
MH084A002	JCT084A001	865.39	864.45	173.02	66	Concrete	0.013	23.76	17.279	0.54%	160,577,152
JCT084A001	JCT084A006	864.45	862.71	258.01	72	Concrete	0.013	28.27	18.850	0.67%	225,257,163
JCT084A006	MH051H020	862.14	859.59	494.63	84	Concrete	0.013	38.48	21.991	0.52%	297,139,002
MH051H020	MH051H014	859.59	856.20	582.67	84	Concrete	0.013	38.48	21.991	0.58%	315,830,176
MH051H014	JCT051M010	856.21	853.30	491.84	84	Concrete	0.013	38.48	21.991	0.59%	318,446,404
JCT051M010	MH051M015	853.30	852.91	48.24	84	Concrete	0.013	38.48	21.991	0.81%	372,244,341
MH051M015	MH051M017	852.91	847.92	600.58	114	Concrete	0.013	70.88	29.845	0.83%	851,988,670
MH051M017	JCT051M008	848.20	847.57	93.83	132	Concrete	0.013	95.03	34.558	0.67%	1,132,249,302
JCT051M008	JCT051M009	847.57	847.47	14.70	132	Concrete	0.013	95.03	34.558	0.68%	1,139,554,089
MH051S030	MH051S028	845.79	842.95	374.43	132	Concrete	0.013	95.03	34.558	0.76%	1,203,436,659
MH051S028	JCT051R012	843.03	841.24	197.86	138	Concrete	0.013	103.87	36.128	0.90%	1,479,732,603
JCT051R012	MH051R015	841.24	840.30	255.35	138	Concrete	0.013	103.87	36.128	0.37%	943,897,747
MH051R015	RD051R0012	840.30	840.20	18.07	138	Concrete	0.013	103.87	36.128	0.55%	1,157,330,469
RD051R0012	JCT051R007	840.20	839.65	95.45	72	Concrete	0.013	28.27	18.850	0.58%	208,336,008
JCT051R007	JCT051R011	839.65	839.50	12.82	132	Concrete	0.013	95.03	34.558	1.17%	1,494,860,284
JCT051R011	MH051R021	839.50	839.26	27.14	132	Concrete	0.013	95.03	34.558	0.88%	1,299,458,424
MH051R021	MH051R016	839.41	834.71	373.89	72	Brick	0.016	28.27	18.850	1.26%	250,020,833
MH051R016	MH051P011	834.71	830.16	498.10	72	Brick	0.016	28.27	18.850	0.91%	213,130,295
MH051P011	MH051P013	830.19	826.33	430.84	72	Brick	0.016	28.27	18.850	0.90%	211,074,097
MH051P013	MH051P016	826.33	824.38	276.72	72	Brick	0.016	28.27	18.850	0.70%	187,193,821
MH051P016	JCT051P004	824.38	823.34	94.29	72	Brick	0.016	28.27	18.850	1.10%	234,194,635
JCT051P004	MH051K022	823.34	820.87	293.98	72	Brick	0.016	28.27	18.850	0.84%	204,402,796
MH051K022	MH051K031	820.87	820.02	75.97	72	Brick	0.016	28.27	18.850	1.13%	236,573,867
MH051K031	MH051K023	820.02	819.12	108.10	72	Brick	0.016	28.27	18.850	0.83%	202,906,683
MH051K023	JCT051K002	819.12	818.25	96.17	72	Brick	0.016	28.27	18.850	0.90%	212,099,800
JCT051K002	MH051J006	818.25	815.09	348.06	72	Brick	0.016	28.27	18.850	0.91%	212,476,920
MH051J006	JCT051J006	815.09	814.84	25.31	84	Brick	0.016	38.48	21.991	0.99%	334,319,856
JCT051J006	JCT051J002	814.47	811.02	426.35	84	Brick	0.016	38.48	21.991	0.81%	302,631,043
JCT051J002	MH051J002	811.02	808.91	229.32	84	Brick	0.016	38.48	21.991	0.92%	322,659,546
MH051J002	MH051J001	808.91	808.28	69.08	84	Brick	0.016	38.48	21.991	0.91%	321,226,429
MH051J001	JCT051J004	808.28	804.45	185.83	84	Brick	0.016	38.48	21.991	2.06%	482,912,455
JCT051J004	MH026H020	804.45	799.94	443.61	84	Brick	0.016	38.48	21.991	1.02%	339,166,104
MH026H020	JCT026H009	798.96	775.00	651.88	84	Brick	0.016	38.48	21.991	3.68%	644,884,201
JCT026H009	MH026H019	775.00	773.98	33.04	84	Brick	0.016	38.48	21.991	3.09%	591,051,267
MH026H019	MH026H018	773.98	766.98	452.46	84	Brick	0.016	38.48	21.991	1.55%	418,392,859
MH026H018	MH026G001	766.98	762.73	436.35	96	Brick	0.016	50.27	25.133	0.97%	473,965,782
MH026G001	JCT026C010	762.73	758.82	223.95	96	Brick	0.016	50.27	25.133	1.75%	634,569,696
JCT026C010	MH026C002	758.82	758.66	13.55	156	Concrete	0.013	132.73	40.841	1.18%	2,344,191,207
MH026C002	JCT026C006	758.66	758.49	13.85	156	Concrete	0.013	132.73	40.841	1.23%	2,390,335,448
JCT026C006	MH026C006	758.49	750.84	675.97	156	Concrete	0.013	132.73	40.841	1.13%	2,295,023,279
MH026C006	MH026B002	750.84	744.36	749.73	156	Concrete	0.013	132.73	40.841	0.86%	2,005,652,068
MH026B002	JCT026B003	744.36	742.20	190.05	156	Concrete	0.013	132.73	40.841	1.14%	2,299,916,991
JCT026B003	MH026A010	742.20	737.09	580.49	156	Concrete	0.013	132.73	40.841	0.88%	2,024,104,599
MH026A010	JCT026A001	737.09	733.11	533.84	156	Concrete	0.013	132.73	40.841	0.75%	1,862,756,216
JCT026A001	MH026A009	733.11	730.54	246.78	156	Concrete	0.013	132.73	40.841	1.04%	2,201,569,532
MH026A009	MH025D015	730.54	726.94	400.99	156	Concrete	0.013	132.73	40.841	0.90%	2,044,115,790
MH025D015	JCT025D008	726.94	725.76	121.3753	156	Concrete	0.013	132.73	40.841	0.97%	2,127,142,091
JCT025D008	JCT025D008	725.76	724.68	87.33	156	Concrete	0.013	132.73	40.841	1.24%	2,399,130,692
JCT025D008	MH025D004	724.68	722.91	225.28	156	Concrete	0.013	132.73	40.841	0.79%	1,912,238,403
MH025D004	MH025D005	722.91	720.32	350.59	156	Concrete	0.013	132.73	40.841	0.74%	1,854,252,779
MH025D005	JCT025C003	720.32	715.29	678.50	156	Concrete	0.013	132.73	40.841	0.74%	1,857,501,325
JCT025C003	MH025C007	715.29	714.08	162.08	156	Concrete	0.013	132.73	40.841	0.75%	1,864,029,674
MH025C007	ADC048RA22	714.08	712.10	80.40	156	Concrete	0.013	132.73	40.841	2.46%	3,385,617,445

Material	n
PVC	0.010
DIP	0.012
Concrete	0.013
VCP	0.015
Brick	0.016

# Harvard Beatty Housing

## **Dry Weather Flow Calculations Report for Harvard Beatty Housing**

March 2021

PREPARED BY:

COSMOS TECHNOLOGIES, INC.





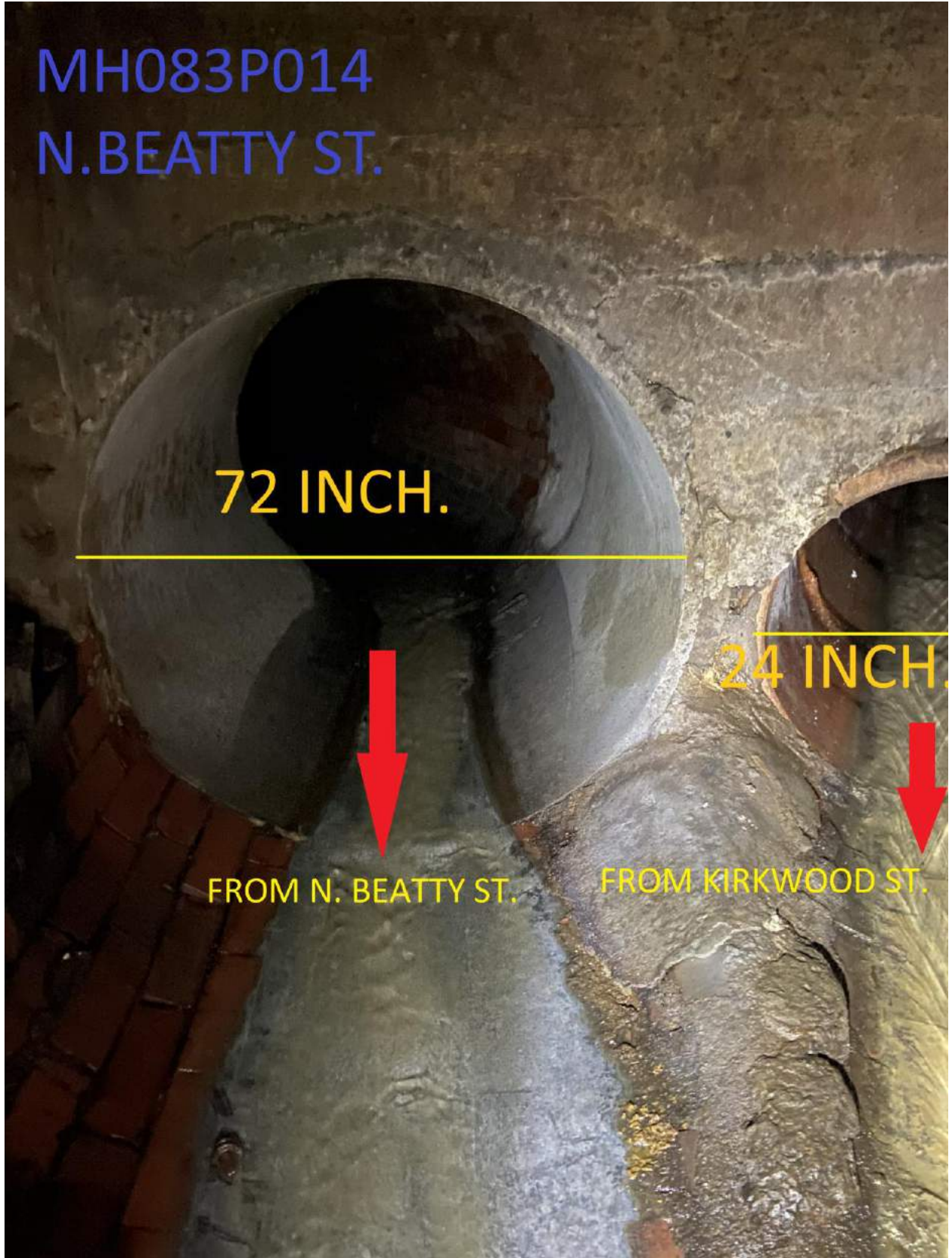
MH083P014  
N.BEATTY ST.

72 INCH.

24 INCH.

FROM N. BEATTY ST.

FROM KIRKWOOD ST.



**Water Use and Sanitary Sewage Flow Estimates:**

Floor	Quantity	Per Unit Water Consumption	Total Water Consumption
<b>First Floor</b>			
1 Bedroom Apartment	6	150	900
Community Room, Stores (per public sink)	1	200	200
Public Toilet, Stores (per public toilet)	2	400	800
Public Toilet, Stores (per public sink)	2	200	400
Laundry (front loading Washer)	6	200	1200
Janitor Room, Stores (per public sink)	1	200	200
<b>Second Floor</b>			
1 Bedroom Apartment	9	150	1350
2 Bedroom Apartment	3	300	900
Janitor Room, Stores (per public sink)	1	200	200
<b>Third Floor</b>			
1 Bedroom Apartment	9	150	1350
2 Bedroom Apartment	3	300	900
Janitor Room, Stores (per public sink)	1	200	200
<b>Fourth Floor</b>			
1 Bedroom Apartment	9	150	1350
2 Bedroom Apartment	3	300	900
Janitor Room, Stores (per public sink)	1	200	200
<b>Total Water Use and Sanitary Sewage Flow:</b>			<b>11050</b>

**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:**

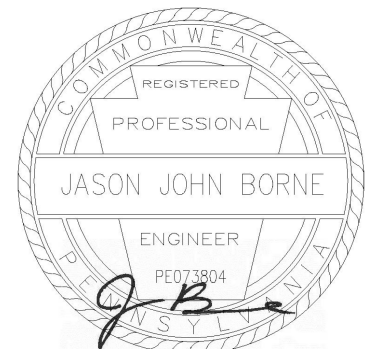
A1 (Building Footprint/Pavement Area) = 0.48 acre  
 A2 (Landscape Area) = 0.04 acre  
 Total Area A=(A1+A2) = 0.52  
 C= (C1.A1+C2.A2)/(A1+A2) = 0.91

**Existing Storm Flow (Q1) = C i A**  
 = 0.91 x 7.1 in/hr x 0.52 acre  
 = **3.36 cfs**

**For Proposed Condition:**

A3 (Building Footprint/Pavement Area) = 0.45 acre  
 A4 (Landscape Area) = 0.07 acre  
 Total Area A=(A3+A4) = 0.52  
 C= (C1.A3+C2.A4)/(A3+A4) = 0.88

**Project Storm Flow (Q2) = C i A**  
 = 0.88 x 7.1 in/hr x 0.52 acre  
 = **3.25 cfs**





## PROJECT NARRATIVE

---

### HARVARD BEATTY HOUSING CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

#### Project Location:

On behalf of the property owner, Harvard Beatty Housing LLC, Cosmos Technologies, Inc. (Cosmos) presents this Project Narrative for the Harvard Beatty Housing project. The project is located at the southwest corner of North Beatty Street and Harvard Street in the City of Pittsburgh, Allegheny County, Pennsylvania. The site is presently comprised of the Pittsburgh Parking Authority - East Liberty Lot (Parcel#: 83-P-225). The Proposed site is bounded to the south by Ansley Street, to the north by Harvard Street, to the east by North Beatty Street, and to the west by an adjacent parcel (Parcel#: 83-P-165).

#### Project Summary:

The proposed project includes the construction of a four (4)-story multi-unit apartment building as well as external enhancements consisting of landscaping, walkways, and 30 off-street parking spaces. The approximate 21,893 sf space will include six (6) live/work apartments, 27 one-bedroom apartments, and nine (9) two-bedroom apartments in a four (4)-story elevator building with common amenities, including a Common Room, Bike Storage Room, Trash Room, Office, Laundry Room, Storage Room, and Fitness Room.

#### 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 plumbing fixtures in the Public Bathrooms, Community Room, Laundry Room, and Janitor Rooms. These use descriptions align with the "Stores (per public toilet)", "Stores (per public sink)", and "Laundries, self-service (gallons/front loading washer)" classifications (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:

$$\begin{aligned} \text{Project Flow} &= \text{Project Water Use and Sanitary Sewage Flow (Table 1)} \times \text{Quantity} \\ &= 11,050 \text{ gpd} \end{aligned}$$

The proposed site use is as a parking lot 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:

$$\begin{aligned} \text{Net Flow} &= \text{Project Flow} - \text{Existing flow} \\ &= 11,050 \text{ gpd} - 0 \text{ gpd} \\ &= 11,050 \text{ gpd} \end{aligned}$$

**Surface/Storm Flow Estimate:**

Storm flows are captured by several roof drain from proposed building roof, which are routed individually to the project storm piping with management at an underground stormwater management facility. The site also contains proposed drainage inlets at the off-street parking area as well as storm drains on the North Beatty Street walkway entrances. 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:

$$\begin{aligned}\text{Existing Storm Flow} &= C i A \\ &= 0.91 \times 7.10 \text{ in/hr} \times 0.52 \text{ acres} \\ &= 3.36 \text{ cfs}\end{aligned}$$

$$\begin{aligned}\text{Project Storm Flow} &= C i A \\ &= 0.88 \times 7.10 \text{ in/hr} \times 0.52 \text{ acres} \\ &= 3.25 \text{ cfs}\end{aligned}$$

**Proposed Water and Sewer Tap-ins:**

The PWSA currently has an existing 8" diameter water main on Harvard Street which will likely support this project. 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 water meter for the domestic (2") service will be located inside the building (Utility Room). The fire service (4") will have a bypass meter which will also be situated inside the building (Utility Room).

The PWSA currently has an existing 15" diameter combined sewer on Broad (Ansley) Street which is intended to support the separate storm sewer and sanitary sewer connection for this project. A new 12" diameter tap is proposed to support the discharge of project storm flows. A new 12" diameter tap is proposed to support the discharge of project storm flows.

**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 20" diameter VCP, a field investigation deduced that the section was a 39" diameter brick sewer. The flow depth measurements were to be obtained at a PWSA manhole on the most hydraulically limited pipe which was the brick pipe segment (172.86 linear foot) between PWSA manhole structure MH083P016 and PWSA manhole MH083P014 on North Beatty Street.

Drnach Environmental was responsible for obtaining the present flow measurement at the most hydraulically limited sewer segment. The PWSA Present Flow Monitoring methodology (Method #2) was used, which involved the calculation of the maximum monthly dry weather average flows and peak flows in gallons per day (gpd) at the MLCS over the 30-day period from 3/31/2021 at 12:00 AM to 4/29/2021 at 12:00 AM.

**Sewage Facilities Planning Module Peak Flow Calculations:**

The Average and Peak Design and/or Permitted Capacity Flows were calculated in the PADEP Sewage Facilities Planning Module component forms using the observed 1" peak flow depth and full flow depth (39"), respectively. The calculations were based upon the PWSA identified MLCS pipe segment location with a slope of 0.72% and a roughness coefficient of 0.016 (which is consistent with Brick material and the PWSA MLCS Spreadsheet). The Average and Peak Present (Maximum Monthly Dry Weather Average) Flows were calculated by analyzing 30-day flow data. The Average and Peak Projected Flows (in 5 Years) were derived from both the flow data and project flow calculations.

**DATA**

**Project Flow<sup>(1)</sup> (Q<sub>0</sub>):** 11,050 gpd

**Hydraulically restricted segment<sup>(2)</sup>:** 39" Brick segment on North Beatty St., between MH083P016 and MH083P014

**Type of sewer:** Combined

**Hydraulically restricted segment**

Parameter	Variable	Peak Flow	Full Pipe	Unit
Upstream Invert		<b>879.54</b>	879.54	ft
Downstream Invert		<b>878.29</b>	878.29	ft
Pipe Length	L	<b>172.86</b>	172.86	ft
Flow depth <sup>(3)</sup>	h	<b>1</b>	<b>39</b>	in
Manning number	n	<b>0.016</b>	<b>0.016</b>	
Diameter <sup>(4)</sup>	D	<b>39</b>	<b>39</b>	in

**Notes:**

(1) Project Flow from PWSA Water and Sewer Use Application Calculations

(2) Location provided by PWSA Reviewer Benjamin Grunauer on March 9, 2021 (PWSA mapping indicated the segment diameter as 20")

(3) Calculated from measurements made by Drnach Environmental (03/31/2021 at 12:00 AM to 04/30/2021 at 12:00 AM).

(4) The PWSA-identified MLCS segment between manholes MH083P016 and MH083P014 was observed in the field as a 39" brick sewer.

**CALCULATIONS**

Selected method:

METHOD 2 -Flow Monitoring

Peaking Factor (PF<sub>1</sub>):

3.5 for combined sewers (from PWSA manual)

Peaking Factor (PF<sub>2</sub>)<sup>(8)</sup>:

1.15 (calculated from sensor Data)

**Hydraulically restricted segment**

Parameter	Variable	Peak	Full Pipe	Unit
Slope	S	0.72%	0.72%	
Angle	Θ	0.64	6.28	rad
Area	A	0.057	8.296	sf
Wetted Perimeter	P	1.045	10.210	ft
Hydraulic radius	R <sub>h</sub>	0.055	0.813	ft
Flow	Q	0.065	57.049	cfs
		29.4	25,606.9	gpm
		42,303	36,873,879	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. <sup>(6)(7)</sup> )	
	Average Q <sub>F</sub> /PF <sub>1</sub>	Peak Q <sub>F</sub> <sup>(5)</sup>	Average Q <sub>pavg.</sub>	Peak Q <sub>pmax.</sub>	Average Q <sub>1</sub> /PF <sub>2</sub>	Peak Q <sub>1</sub> =(Q <sub>pmax.</sub> +Q <sub>0</sub> )x1.05
<b>Collection</b>	10,535,394	36,873,879	67,000	77,000	80,393	92,453
<b>Conveyance</b>	10,535,394	36,873,879	67,000	77,000	80,393	92,453
<b>Treatment</b>	10,535,394	36,873,879	67,000	77,000	80,393	92,453

Notes:

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

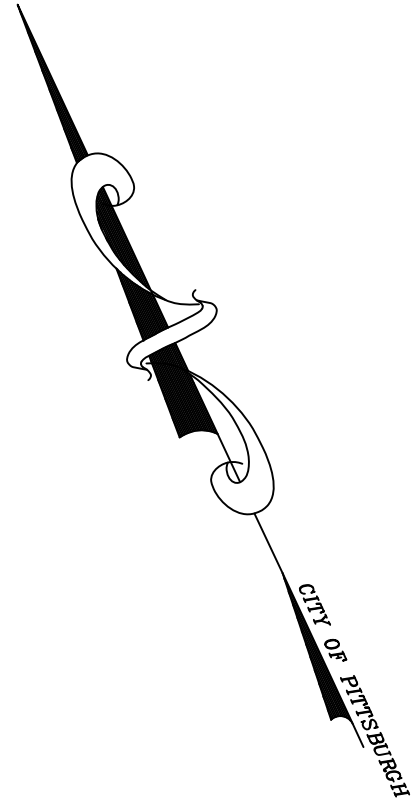
(6) Flow (Q) of the Hydraulically restricted segment under Peak conditions

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

(8) The PF<sub>2</sub> calculation is representative of the sensor data values [77000 / 67000 = 1.15].







MELLON'S ORCHARD PLAN OF LOTS  
P.B.V. 301 P. 80  
PARCEL "A"

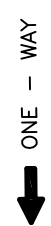
NORTH BEATY STREET 54'

PARCEL "B"

HARVARD STREET 40'

NORTH EUCLID STREET 70'

S. R. 380



SUBDIVISION PLAN OF BLOCK AND LOT 83-P-165  
P.B.V. 290 P. 4  
PARCEL A

DETECTIVE BUILDING LLC  
BLOCK 83-P LOT 165  
D.B.V. 16588 P. 411

PARCEL "C"

NORTH BEATY STREET 54'

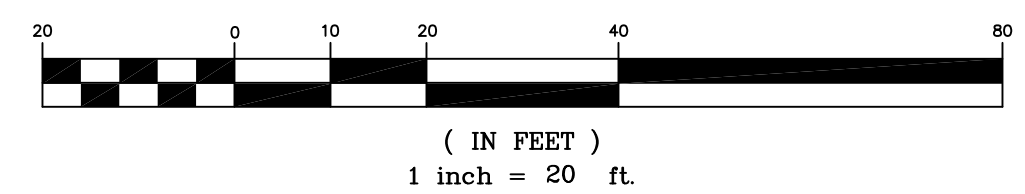
HARVARD STREET 40'

URA OF PITTSBURGH  
BLOCK 83-P LOT 230  
D.B.V. 15869 P. 212

ANSLEY STREET 50'

SURVEY NOTES:  
ALL DATA IS BASED ON THE CITY OF PITTSBURGH  
HORIZONTAL AND VERTICAL CONTROL DATUM.  
FIELD WORK WAS COMPLETED ON OCTOBER 8, 2020.  
SURVEY BOOK 153 PG'S 2 - 3.

GRAPHIC SCALE



ONE CALL SERIAL #20180930916

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.

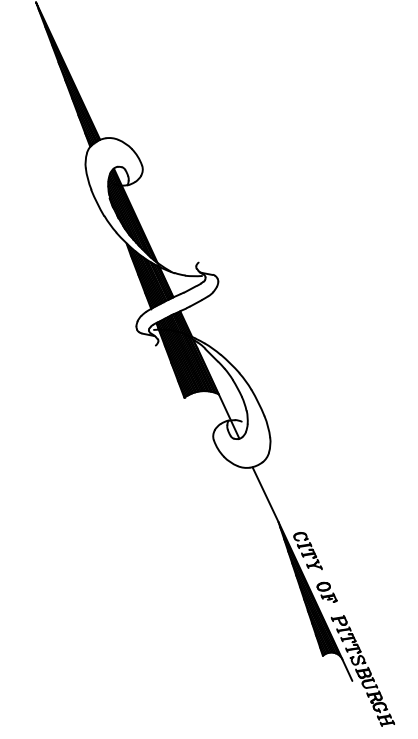
Pennsylvania Act 38 (1991) requires no less than 3 working days notice nor  
more than 10 working days notice from excavators who are about to dig,  
drill, blast, auger, bore, grade, trench, or demolish when in the construction  
phase. A designer is required to give no less than 10 working days nor more  
than 30 working days notice when engaged in the design phase. Both of  
these conditions involve the entire Commonwealth.



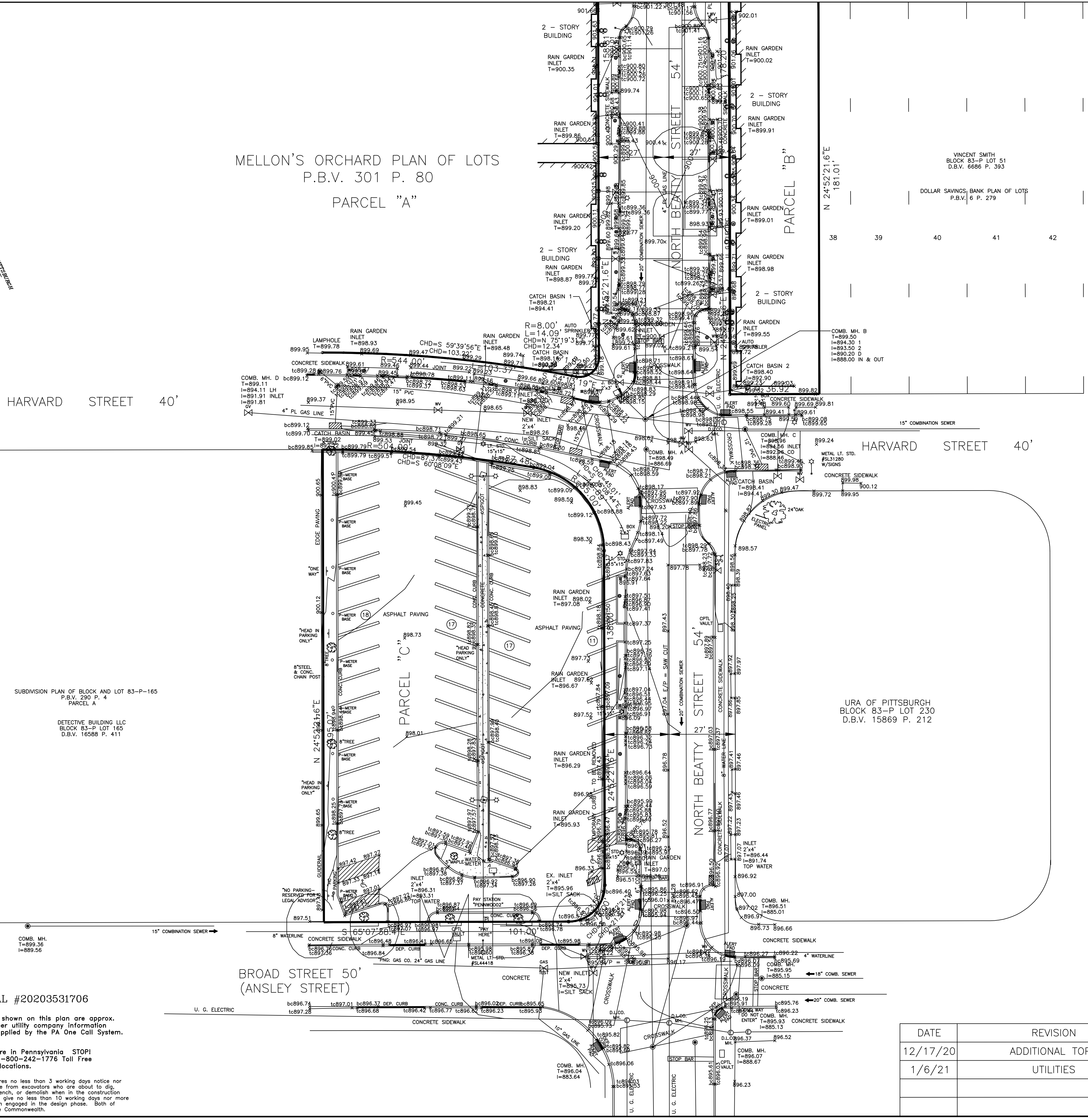
PLAN OF PROPERTY  
SITUATE IN  
11TH WARD, CITY OF PITTSBURGH  
ALLEGHENY COUNTY, PA  
MADE FOR  
TREK DEVELOPMENT GROUP

SCALE: 1" = 20' DATE: OCT. 13, 2020

PREPARED BY  
KAG ENGINEERING, INC.  
2704 BROWNVILLE ROAD  
PITTSBURGH, PA 15227  
PHONE (412) 885-8888 FAX (412) 885-5146

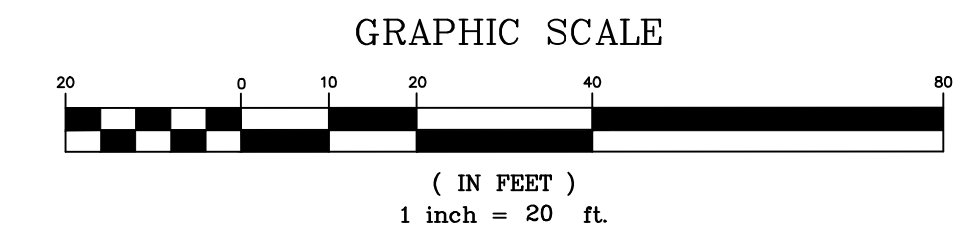


MELLON'S ORCHARD PLAN OF LOTS  
P.B.V. 301 P. 80  
PARCEL "A"



LEGEND	
	INLET
	STORM SEWER
	STORM M.H.
	GAS VALVE
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	COMBINATION SEWER
	COMBINATION M.H.
	GAS METER
	GAS LINE
	UNDERGROUND ELECTRIC LINE
	WATER LINE
	SEWER VENT
	SEWER CLEANOUT
	HANDICAPPED PARKING STALL
	PARKING SPACES
	CONCRETE
	ALERT PAD
	SIGNAL POLE
	TRANSFORMER
	JUNCTION BOX
	ELECTRIC VAULT
	SIGN
	GUY WIRE
	LID OVER TRAP - RAIN GARDEN
	LIGHT STANDARD

SURVEY NOTES:  
ALL DATA IS BASED ON THE CITY OF PITTSBURGH  
HORIZONTAL AND VERTICAL CONTROL DATUM.  
FIELD WORK WAS COMPLETED ON OCTOBER 8, 2020, AGAIN ON DEC. 15, 2020  
AND AGAIN ON DEC. 31, 2020.  
SURVEY BOOK 153 PG'S 2 - 3, 56 - 57 & SURVEY BOOK 141 PG'S 72-78.



PLAN OF PROPERTY  
SITUATE IN  
11TH WARD, CITY OF PITTSBURGH  
ALLEGHENY COUNTY, PA

MADE FOR  
TREK DEVELOPMENT GROUP  
SCALE: 1" = 20' DATE: OCT. 13, 2020

DATE	REVISION
12/17/20	ADDITIONAL TOPO
1/6/21	UTILITIES

ONE CALL SERIAL #20203531706

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.

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KAG ENGINEERING, INC.  
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PITTSBURGH, PA 15227  
PHONE (412) 885-8888 FAX (412) 885-5146

## 1. PROJECT INFORMATION

Project Name: **Harvard Beatty Housing**

Date of Review: **5/10/2021 01:57:42 PM**

Project Category: **Development, Residential, subdivision which will contain 1-2 lots with 1-2 single family living units**

Project Area: **0.52 acres**

County(s): **Allegheny**

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

ZIP Code:

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

Watersheds HUC 8: **Lower Allegheny**

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

Decimal Degrees: **40.463453, -79.926309**

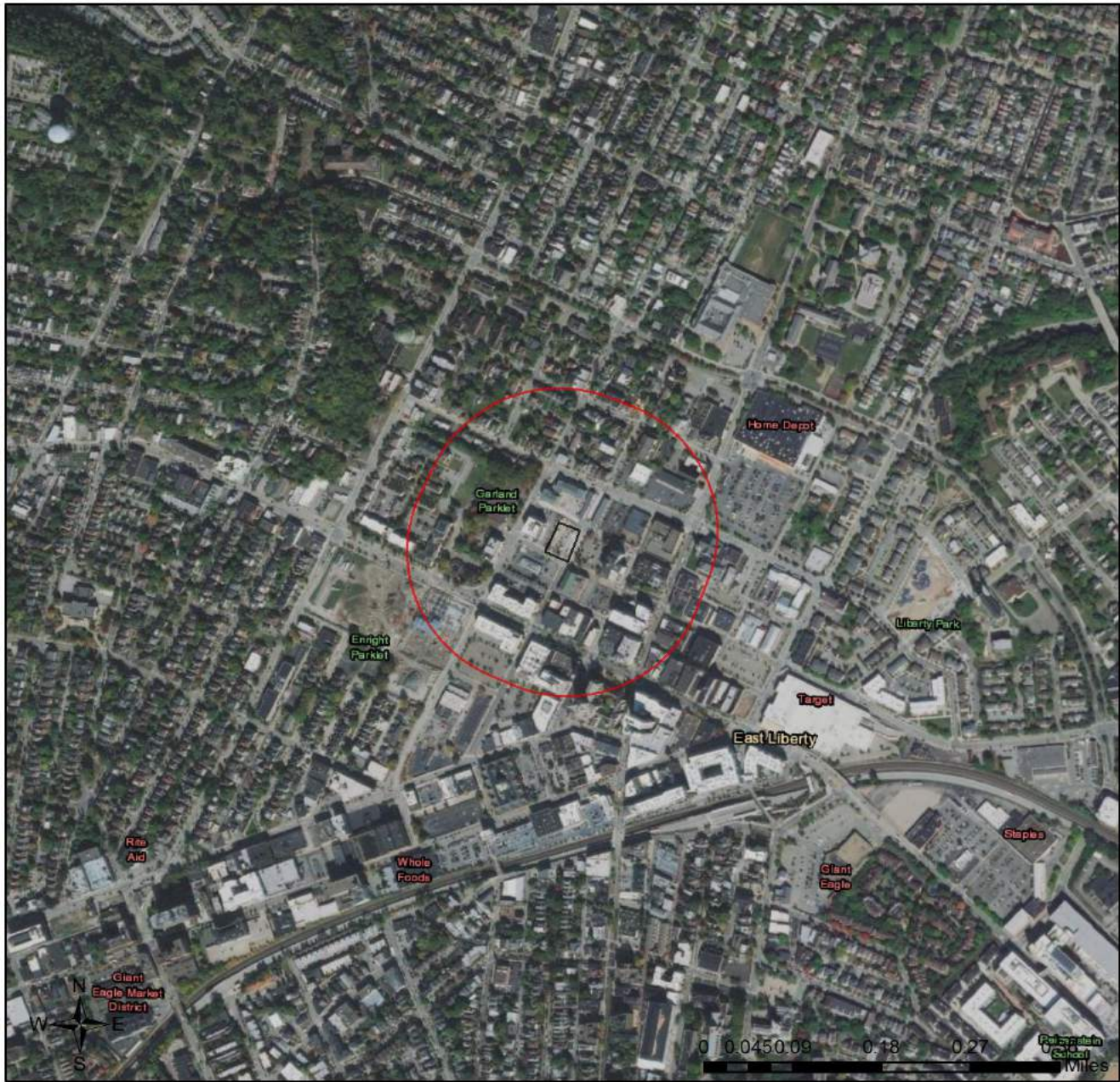
Degrees Minutes Seconds: **40° 27' 48.4318" N, 79° 55' 34.7114" W**

## 2. SEARCH RESULTS

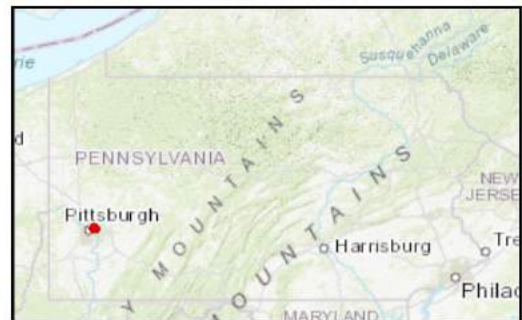
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No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

# Harvard Beatty Housing

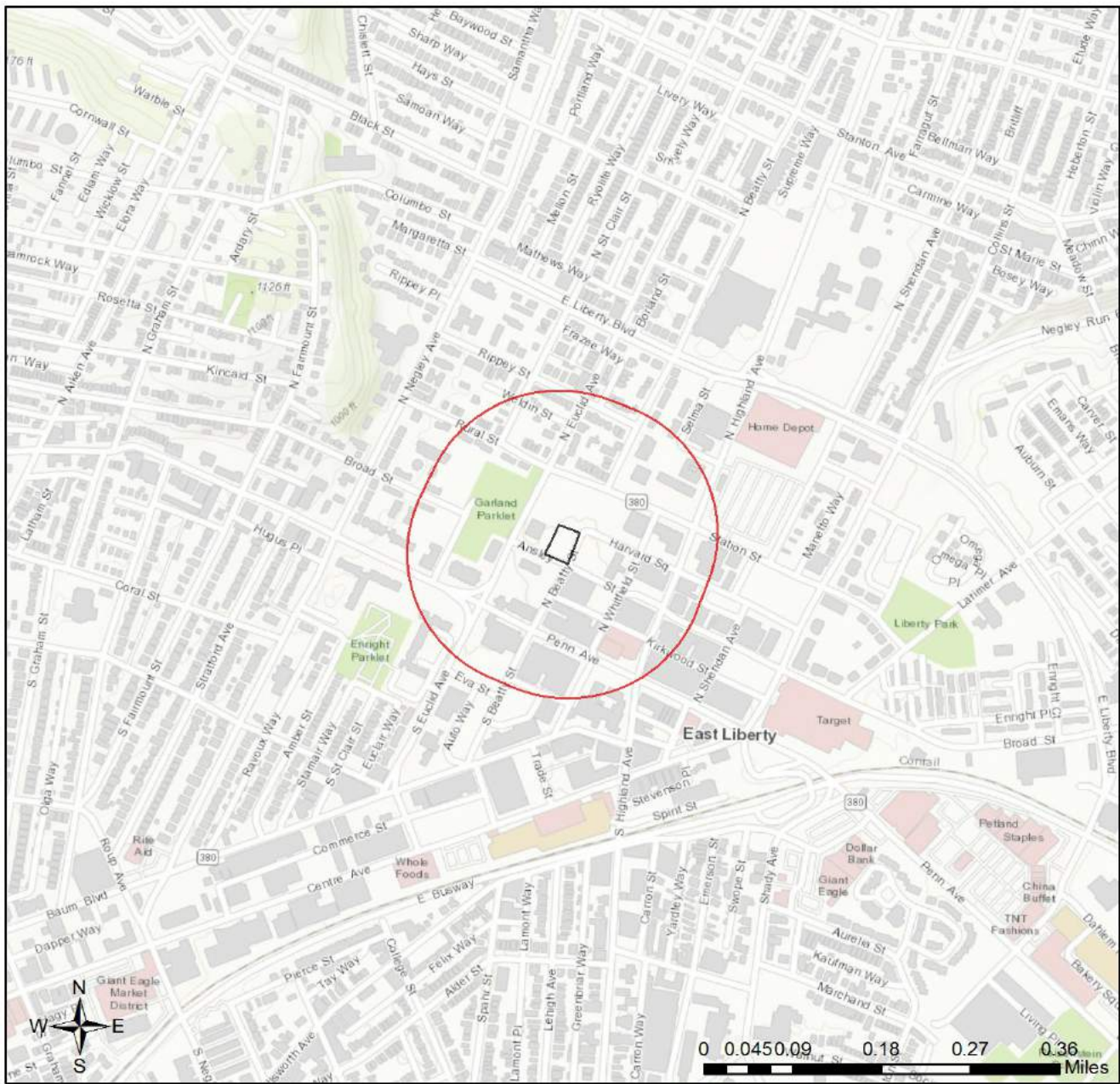


- Project Boundary
- Buffered Project Boundary



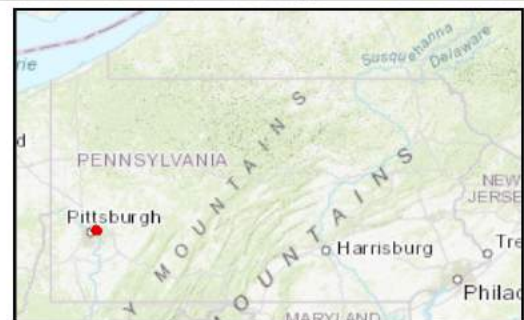
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO,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

# Harvard Beatty Housing



- Project Boundary
- Buffered Project Boundary

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



### 3. AGENCY COMMENTS

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

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

#### PA Game Commission

##### RESPONSE:

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

#### PA Department of Conservation and Natural Resources

##### RESPONSE:

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

#### PA Fish and Boat Commission

##### RESPONSE:

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

#### U.S. Fish and Wildlife Service

##### RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

### 4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

## 5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page ([www.naturalheritage.state.pa.us](http://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](mailto:RA-HeritageReview@pa.gov)

### PA Fish and Boat Commission

Division of Environmental Services  
595 E. Rolling Ridge Dr., Bellefonte, PA 16823  
Email: [RA-FBPACENOTIFY@pa.gov](mailto:RA-FBPACENOTIFY@pa.gov)

### U.S. Fish and Wildlife Service

Pennsylvania Field Office  
Endangered Species Section  
110 Radnor Rd; Suite 101  
State College, PA 16801  
Email: [IR1\\_ESPenn@fws.gov](mailto:IR1_ESPenn@fws.gov)  
NO Faxes Please

### PA Game Commission

Bureau of Wildlife Habitat Management  
Division of Environmental Planning and Habitat Protection  
2001 Elmerton Avenue, Harrisburg, PA 17110-9797  
Email: [RA-PGC\\_PNDI@pa.gov](mailto:RA-PGC_PNDI@pa.gov)  
NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: Chirag Moradiya  
Company/Business Name: Cosmos Technologies Inc.  
Address: 700 River Ave, Suite 100  
City, State, Zip: Pittsburgh, PA, 15212  
Phone: (216) 732-0111 Fax: (      )         
Email: cmoradiya@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.

Chirag Moradiya  
applicant/project proponent signature

05/10/2021  
date



# ROBINSON PIPE CLEANING CO.

## WORK ORDER

CUSTOMER #: 201152

JOB #: 2

CUSTOMER: **COSMOS TECHNOLOGIES** DAY: Fr DATE: 4/2  
 JOB LOCATION: **N BEATTY ST & BROAD ST. PITTSBURGH** A 1-DAY TIME: 7 AM  
 REPORT TO: **JASON BOURNE** PHONE: 724-622-7158  
 DESCRIPTION OF WORK: **TV 735' OF 12"-15" LINES** CELL PHONE:  
 EQUIPMENT REQUIRED: **TV TRUCK / JETTER / TRAFFIC CONTROL / 4-PEOPLE** CUSTOMER PO #:

SET-UP 1 FOOTAGE  - COMPLETE  - INCOMPLETE PIPE SIZE  
 LOCATION:  
 FROM TO  
 REMARKS:

TV TRUCK #: TV 251 VAC TANKER #  
 JETTER COMBO #: JC-237 WATERBLASTER #  
 JETTER #: SUPPORT TRUCK #: 1284  
 VAC TRUCK #: #  
 OTHER: #

SET-UP 2 FOOTAGE  - COMPLETE  - INCOMPLETE PIPE SIZE  
 LOCATION:  
 FROM TO  
 REMARKS:

REMARKS:  
 - CCTV Various Lines. Set up traffic control. No clearing done at this time

SET-UP 3 FOOTAGE  - COMPLETE  - INCOMPLETE PIPE SIZE  
 LOCATION:  
 FROM TO  
 REMARKS:

for line on Broad street 75% Full of Dirt at upstream hole. No access downstream due to JCT. Thumbdrive with Rperwork.

SET-UP 4 FOOTAGE  - COMPLETE  - INCOMPLETE PIPE SIZE  
 LOCATION:  
 FROM TO  
 REMARKS:

OFFICE USE ONLY	

TOTAL FT CLEANED      TOTAL FT TELEVIEWED 380.7'

EMPLOYEE NAME:	PALOMBI			SOSACK			KEISELZ			CONWAY			Start	Finish	Total
	Start	Finish	Total	Start	Finish	Total	Start	Finish	Total	Start	Finish	Total			
SHOP / PRE-TRIP	600	645		600	645		600	645		600	645				
TRAVEL TO JOB	645	730		645	730		645	730		645	730				
ON-SITE JOB TIME	730	1030		730	1030		730	1030		730	1030				
LUNCH / BREAK			1/2			1/2			1/2			1/2			1/2
ON-SITE JOB TIME															
TRAVEL TO SHOP	1030	1100		1030	1100		1030	1100		1030	1100				
POST-TRIP / FUEL	1100	1115		1100	1115		1100	1115		1100	1115				

Footage and work hours indicated are correct. All work has been performed satisfactorily. Any and all disposal of debris or wastes of any type has been arranged by the customer.

RPC Job Foreman:

Customer Signature:



- New Job
- Work In Progress

# Robinson Pipe Cleaning Co.

## Call Survey Sheet

(Job Instructions For Operator)

Date: 3/24

Taken By: mj Given To: \_\_\_\_\_

PO Release: \_\_\_\_\_

- Customer  - Referral

- Saw Trucks  - \_\_\_\_\_

Customer #: 201152

Job #: 2

CUSTOMER: Cosmos Technologies

Billing Address: 700 river Ave

City: Pittsburgh State: PA Zip: 15212

Office Contact: Jason Borne Nate Phone: 724-622-7758 Cell: \_\_\_\_\_ Email: \_\_\_\_\_

Onsite Contact: Jason Borne Phone: 412-656-3732 Cell: \_\_\_\_\_ Email: \_\_\_\_\_

JOB DESCRIPTION: CCTV approx 735 ft 15" to 20" as directed

JOB LOCATION: at N Beatty and Broad St, Pittsburgh. PA

ADDITIONAL NOTES: MH083P026 to JCT083P018: MH083P042 to MH083P016: to MH083P020 to Junction:

- Sewer Cleaning  CB Cleaning  Vac Work  CCTV  MH Rehab  Lining - MTH - LCR  Grouting  \_\_\_\_\_  
 Specialized Training:  PACP-MACP-LACP  40 Hr  MSHA  OSHA 10 Hr  Aerial Lift  \_\_\_\_\_

Pipe Diameter: \_\_\_\_\_" Type:  PVC  VCP  RCP  CI  Other Est Length: \_\_\_\_\_' MH Depth: \_\_\_\_\_'

Job Billing:  Hourly  Footage  Lump Sum  Daily  Check Upon Completion  Give Thumb Drive To Customer

PREVAILING RATE:  No  Yes COSTARS PRICING:  No  Yes Documents / Maps / Directions Attached:

**WATER**

- Customer To Make Arrangements To Use Fire Hydrant
- Take Water Pump & Hoses
- Take Westmoreland Water Meter & Paperwork
- Take West View Water Cards
- Take Load From Shop
- Other: see attached for measurement instructions

**DUMPING**

- Customer To Make Arrangements For Dumping Material Onsite
- Disposal At Landfill: \_\_\_\_\_
- RPC Manifest (Non-Haz)  Customer To Provide Manifest
- Dump Material In Roll-Off Box At Carnegie Shop (Clean Fill Only)
- Check With Office For Special Instructions
- Other: \_\_\_\_\_

**MATERIALS / PPE**

- |  |  |  |  |  |  |
|--|--|--|--|--|--|
| <input type="checkbox"/> Rubber Gloves   | <input type="checkbox"/> Rubber Boots              | <input type="checkbox"/> Face Shield               | <input type="checkbox"/> Ladder: _____       | <input checked="" type="checkbox"/> City of Pitts Traffic Permit | <input type="checkbox"/> gray rod            |
| <input type="checkbox"/> Yellow Suits  | <input type="checkbox"/> Rain Gear                 | <input type="checkbox"/> Visqueen                  | <input type="checkbox"/> Top Hole Roller     | <input checked="" type="checkbox"/> Traffic Control ~            | <input type="checkbox"/> measuring tape      |
| <input type="checkbox"/> White Suits   | <input type="checkbox"/> Locks & Tags              | <input type="checkbox"/> Pipe Plug: _____"         | <input type="checkbox"/> Muletape: _____'    | <input type="checkbox"/> Pipe Locator: _____' Deep               |  |
| <input type="checkbox"/> Dust Respirator   | <input type="checkbox"/> Air Mover                 | <input type="checkbox"/> Rubber Hose: _____'       | <input type="checkbox"/> Rope: _____'        | <input type="checkbox"/> Waterblast Hose: _____'                 | <b>CUST PROVIDING</b>                        |
| <input type="checkbox"/> Respirator  | <input type="checkbox"/> Breathing Air             | <input type="checkbox"/> Hard Pipe: _____'         | <input type="checkbox"/> Dye Tablets         | <input type="checkbox"/> Waterblast Feed Hose: _____'            | <input type="checkbox"/> Additional Manpower |
| <input type="checkbox"/> Confined Space Equip<br>(air meter, tri-pod, harness, etc...) | <input type="checkbox"/> 4" Flex Hose: _____ Rolls | <input type="checkbox"/> 6" Flex Hose: _____ Rolls | <input type="checkbox"/> Root Cutter: _____" | <input type="checkbox"/> Fire Hose: _____'                       |  |
|  | <input type="checkbox"/> 4" Flex Hose: _____ Rolls |  | <input type="checkbox"/> Tap Cutter: _____"  | <input type="checkbox"/> Lateral Hose: _____'                    |  |

JOBSITE CONDITIONS  Truck Accessible  Off Road Distance From Work Area: \_\_\_\_\_

**TRUCKS / EQUIPMENT**

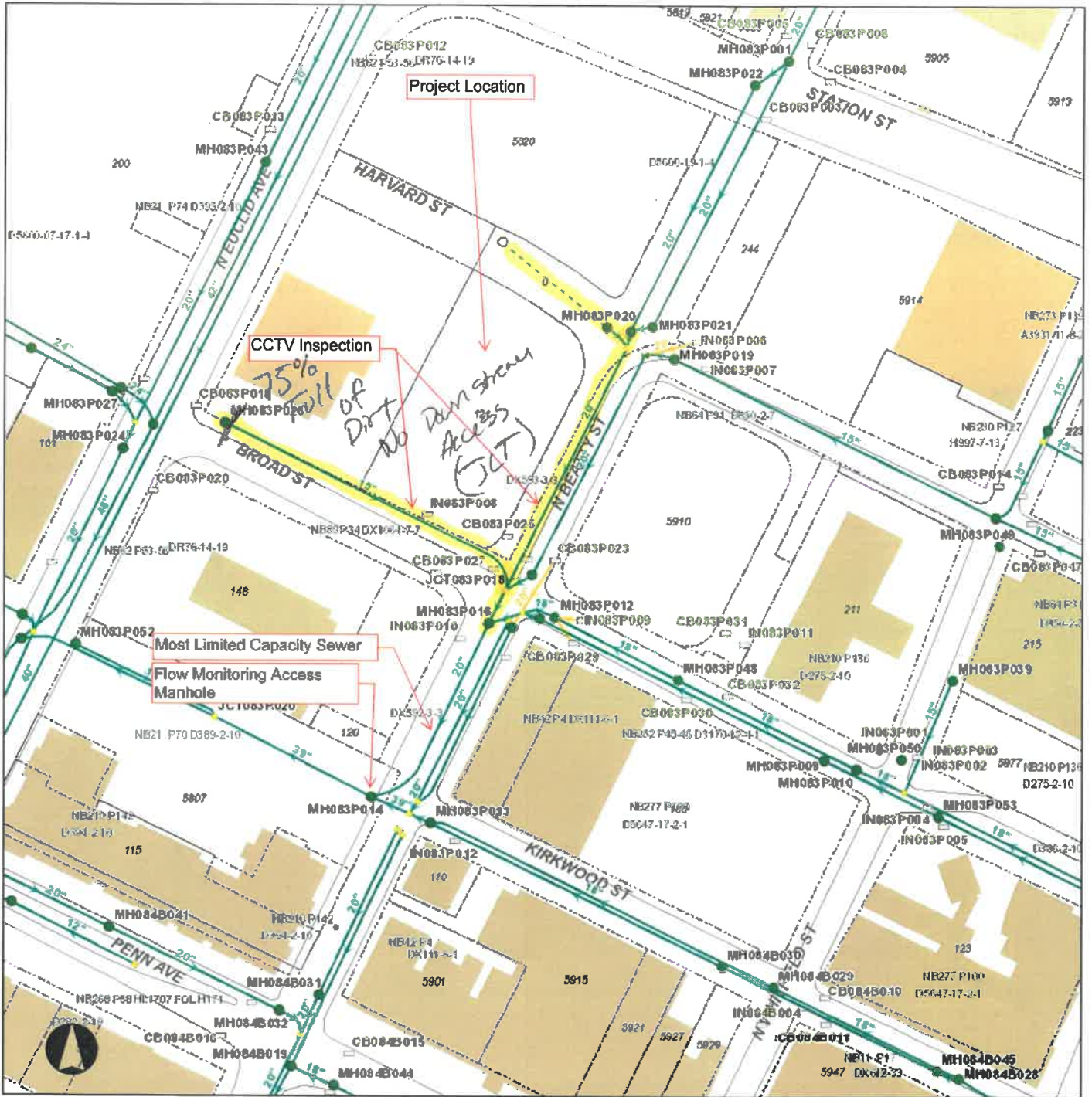
- |  |  |   |   |  |
|--|--|---|---|--|
| <input type="checkbox"/> JC (80 gpm)       | <input checked="" type="checkbox"/> TV Truck | <input type="checkbox"/> TV-MTH Tk      | <input type="checkbox"/> Pressure Wash      | <input checked="" type="checkbox"/> Support Tk |
| <input type="checkbox"/> SJC (80 gpm)      | <input type="checkbox"/> TV-Lateral Tk       | <input type="checkbox"/> TV-Laser Tk    | <input type="checkbox"/> Air Comp           | <input type="checkbox"/> Roll-Off Tk           |
| <input type="checkbox"/> JC Recycler (80)  | <input type="checkbox"/> TV-Grout Tk         | <input type="checkbox"/> Minicam        | <input type="checkbox"/> Clam Tk            | <input type="checkbox"/> _____" Pump           |
| <input type="checkbox"/> JJC (120 gpm)     | <input type="checkbox"/> TV-Lat Grout Tk     | <input type="checkbox"/> Vac Tk         | <input type="checkbox"/> Bucket Mach: _____ | <input type="checkbox"/> _____" Pig Launch     |
| <input type="checkbox"/> JJC (160 gpm)     | <input type="checkbox"/> TV-Sonar Tk         | <input type="checkbox"/> Hi-Vac Tk      | <input type="checkbox"/> MH Rehab Tk        | <input type="checkbox"/> Stove Mach            |
| <input type="checkbox"/> JC Hi-Rail        | <input type="checkbox"/> TV-Rover Tk         | <input type="checkbox"/> Hi-Rail Vac Tk | <input type="checkbox"/> Microtrax          | <input type="checkbox"/> Power Rodder          |
| <input checked="" type="checkbox"/> Jetter | <input type="checkbox"/> TV-Polaris          | <input type="checkbox"/> Tanker         | <input type="checkbox"/> Easement Mach      |  |
| <input type="checkbox"/> Harben Jetter     | <input type="checkbox"/> TV-LCR Tk           | <input type="checkbox"/> WB: _____K     | <input type="checkbox"/> Arrow Board        |  |
| <input type="checkbox"/> HJ Jetter         | <input type="checkbox"/> TV-Lining Tk        | <input type="checkbox"/> HW Boiler      |   |  |

- Emergency
- Schedule ASAP
- Needs 1 Days Notice
- Hold Till Customer Calls
- Week of \_\_\_\_\_ / \_\_\_\_\_
- Date Requested \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- AM  PM
- Est. Job Time: 1 days

# Of People Needed On Job:  1 Person  2 People  3 People  4

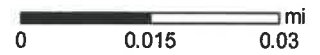
Road Still Closed?

# MLCS Map



## Legend

- |              |              |  |
|--------------|--------------|--|
|              |              |  |
| <b>WATER</b> |              |  |
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|              |              |  |
|              |              |  |
|              | <b>SEWER</b> |  |
|              |              |  |
|              |              |  |
|              |              |  |
|              |              |  |



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

Date: 3/9/2021



**DOMI-CS-2021-03207**  
**CONSTRUCTION STAGING PERMIT - Machinery**

**TRAFFIC OBSTRUCTION**

From Date	To Date	Street Activity	Primary Street	From	To	Weekdays Work Hours	Weekend Work Hours	Special Instruction
Mar 29, 2021	Apr 04, 2021	Parking Lane, Travel Lane	121 N BEATTY ST			7am to 5pm	7am to 5pm	

**TRAFFIC OBSTRUCTION CONDITIONS**

1. Contact affected residents / businesses / property owners
2. Maintain a clear and safe pedestrian path around work site at all times
3. Certified Flagperson required during working hours to assist with traffic control
4. Post "No Parking" signs 48 HOURS IN ADVANCE. Once signs are posted, take a picture of each sign and send via email to [domittrafficpermits@pittsburghpa.gov](mailto:domittrafficpermits@pittsburghpa.gov). Please add the permit number and street to the subject line.
5. Backfill or plate all excavations to traffic-worthy conditions during non-working hours
6. Maintain a minimum of one lane at all times
7. Coordinate with other area construction or activities
8. Traffic control in accordance with PennDOT Publication 212 and 213 standard plans

INFORMATION ON THIS PERMIT CAN BE OBTAINED BY SCANNING:





**DOMI-CS-2021-03207**  
**CONSTRUCTION STAGING PERMIT - Machinery**

**Effective Date:** March 29, 2021      **Permit Address:** 121 N BEATTY ST, Pittsburgh, PA 15206-  
**Expires Date:** April 4, 2021

**Permit Holder:** Mike Long      **Ward #:** 11  
**Company:** Robinson Pipe Cleaning      **Parcel #:** 0083P00225000000  
**Phone:** (412) 921-2100      **Property Owner:** URBAN REDEVELOPMENT AUTHORITY OF PITTSBURGH

**PERMIT DETAILS**

<b>Work Description:</b>	CCTV SEWERS NEAR 121 N. BEATTY STREET, PITTSBURGH
<b>Special Permit Instructions:</b>	N/A
<b>Inspection:</b>	DOMI INSPECTOR 2; BRANDON BURCH - (412) 935-6863

**PERMIT TERMS & CONDITIONS**

- All work and occupancy of public space authorized under this permit must comply with city regulations and statutes.
- Permittee is responsible for scheduling all required inspections.
- All work in the ROW must follow city construction standards and specifications. No deviation from standards and specifications without prior approval from DOMI.
- No adjustments or deviations in permit dates, work hours, scope or work, or approved plans.
- Permit must be in possession of the named applicant and on the premises at all times during the hours for which it has been issued.
- A One Call ticket must be obtained and on site for any work in public space for which a One Call ticket is required.
- Applicant is responsible for contacting the Department of Public Works, Forestry Divisions if a street tree or tree pit is in the area of disturbance.
- Must follow all conditions in the approved Traffic Control Plan.
- Violation of terms in this permit may result in the revocation of the permit.



The Environmental  
Protection Specialists

Robinson Pipe Cleaning Company  
2656 Idlewood Road  
Pittsburgh, Pa 15205  
Tel: 412-821-2100  
Fax: 412-821-1500  
www.robinsontips.com

## Summary Report / Main sections

City	Job No.	CCTV Operator	Inspection Date
------	---------	---------------	-----------------

No.	Upstream MH	Downstream MH	Dia	Street	Pre Clean	Material	Total Length	Insp. Length
1	MH083P026	JCT083P018	15 inch	BROAD STREET	No	Vitrified Clay Pipe	0.01	0.01
6	MH NO NUMBER	MH083P021	15 inch	HARVARD STREET	Pre-Cleaning No	Polyvinyl Chloride	125.91	125.91

Pipe size: CIRCULAR 16 = 125.92 ft (125.92 ft)

No.	Upstream MH	Downstream MH	Dia	Street	Pre Clean	Material	Total Length	Insp. Length
4	MH083P021	MH083P020	18 inch	N BEATTY STREET	No	Polyvinyl Chloride	12.05	12.05

Pipe size: CIRCULAR 18 = 12.05 ft (12.05 ft)

No.	Upstream MH	Downstream MH	Dia	Street	Pre Clean	Material	Total Length	Insp. Length
2	JCT083P018	MH083P016	20 inch	N BEATTY STREET	No	Vitrified Clay Pipe	38.90	38.90
3	MH083P020	JCT083P016	20 inch	N BEATTY STREET	Pre-Cleaning No	Vitrified Clay Pipe	203.63	203.63

Pipe size: CIRCULAR 20 = 242.72 ft (242.72 ft)

All sections = 380.69 ft (380.7 ft)



The Environmental Protection Specialists

Robinson Pipe Cleaning Company  
 2656 Idlewood Road  
 Pittsburgh, Pa 15205  
 Tel: 412-821-2100  
 Fax: 412-821-1500

## CCTV Inspection Report

Date 4/2/2021	Start Time 07:41:03	Weather Dry	CCTV Operator U-914-08022154	Total Length (ft.) 0.01 ft	Section No. 1
Survey Customer	System Owner	Job No.	Pre Cleaning No Pre-Cleaning	Date Cleaned	Pipe Segment Reference

Street: <b>BROAD STREET</b> City: <b>PITTSBURGH</b> Loc. details: Location Code:	Use of Sewer: <b>Combined</b> Drainage Area: Flow Control:	Upstream MH: <b>MH083P026</b> Downstream MH: <b>JCT083P018</b> Dir. of Survey: <b>Downstream</b> Insp. Length: <b>0.01 ft</b>
---	--	--

Purpose of Survey: <b>Routine Assessment</b> Year Laid: Year Rehabilitated: Tape / Media No.: <b>DVR 1</b>	Shape: <b>Circular</b> Dia./Height: <b>15 inch</b> Material: <b>Vitrified Clay Pipe</b> Lining Method:
---	---

Add. Information :

1:50	Position	Code	Observation Description	Photo	Grade
		AMH	Upstream Manhole, Survey Begins	1_1A	
	0.00	MWL	Water Level, 0 %of cross sectional area		
	0.00	OBR	Obstacles Rocks, 75 %of cross sectional area, from 02 to 10 o'clock	1_3A	M5
	0.01	MSA	Survey Abandoned / HEAVY DEBRIS		

- This is the line on Broad Street.  
 Can not Clean from Downstream (no Access due to Jct)  
 - 75 % Full of Debris at upstream Hole.  
 - Line not completed because of part, cont to Reversal due to Jct.



The Environmental Protection Specialists

Robinson Pipe Cleaning Company  
 2656 Idlewood Road  
 Pittsburgh, Pa 15205  
 Tel: 412-921-2100  
 Fax: 412-921-1500

## CCTV Inspection Report

Date 4/2/2021	Start Time 08:07:45	Weather Dry	CCTV Operator U-914-06022154	Total Length (ft.) 38.90 R	Section No. 2
Survey Customer	System Owner	Job No.	Pre Cleaning No Pre-Cleaning	Date Cleaned	Pipe Segment Reference

Street: N BEATTY STREET City: PITTSBURGH Loc. details: Location Code:	Use of Sewer: Combined Drainage Area: Flow Control:	Upstream MH: JCT083P018 Downstream MH: MH083P016 Dir. of Survey: Upstream Insp. Length: 38.90 ft
--	---	---

Purpose of Survey: Routine Assessment Year Laid: Year Rehabilitated: Tape / Media No.: DVR 1	Shape: Circular Dia./Height: 20 inch Material: Vitrified Clay Pipe Lining Method:
---	--

Add. Information :

1:98	Position	Code	Observation Description	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins	2_1A	
	0.00	MWL	Water Level, 5 %of cross sectional area		
	24.91	TB	Tap Break-In, at 11 o'clock, -, within 8 inches of joint: NO, 8"	2_3A	
	38.89	TB	Tap Break-In, at 10 o'clock, -, within 8 inches of joint: YES, 15"	2_4A	
	38.89	TB	Tap Break-In, at 02 o'clock, -, within 8 inches of joint: YES, 15"	2_5A	
	38.90	AJB	Junction Box	2_6A, 2_6B	



The Environmental  
 Protection Specialists

## CCTV Inspection Report

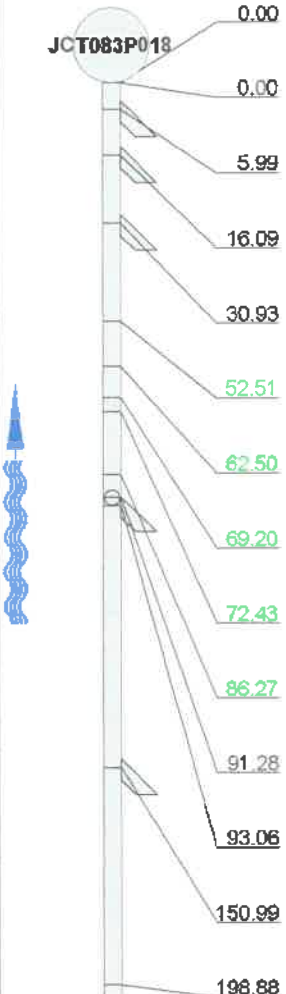
Date 4/2/2021	Start Time 08:20:57	Weather Dry	CCTV Operator U-914-06022164	Total Length (ft.) 203.83 ft	Section No. 3
Survey Customer	System Owner	Job No.	Pre Cleaning No Pre-Cleaning	Date Cleaned	Pipe Segment Reference

Street: <b>N BEATTY STREET</b>	Use of Sewer: <b>Combined</b>	Upstream MH: <b>MH083P020</b>
City: <b>PITTSBURGH</b>	Drainage Area:	Dowstream MH: <b>JCT083P018</b>
Loc. details:	Flow Control:	Dir. of Survey: <b>Upstream</b>
Location Code:		Insp. Length: <b>203.83 ft</b>

Purpose of Survey: <b>Routine Assessment</b>	Shape: <b>Circular</b>
Year Laid:	Dia./Height: <b>20 Inch</b>
Year Rehabilitated:	Material: <b>Vitrified Clay Pipe</b>
Tape / Media No.: <b>DVR 1</b>	Lining Method:

Add. Information :

1:504	Position	Code	Observation Description	Photo	Grade
	0.00	MWL	Water Level, 5 %of cross sectional area		
	0.00	AJB	Junction Box	3_1A	
	5.99	TB	Tap Break-In, at 10 o'clock, -, within 8 inches of joint: YES, 12"	3_3A	
	16.09	TB	Tap Break-In, at 11 o'clock, -, within 8 inches of joint: YES, 12"	3_4A	
	30.93	TB	Tap Break-In, at 11 o'clock, -, within 8 inches of joint: YES, 8"	3_5A	
	52.51	RFJ	Roots Fine Joint, at 12 o'clock, within 8 inches of joint: YES	3_6A	M 1
	62.50	RFJ	Roots Fine Joint, from 11 to 01 o'clock, within 8 inches of joint: YES	3_7A	M 1
	69.20	RFJ	Roots Fine Joint, from 11 to 01 o'clock, within 8 inches of joint: YES	3_8A	M 1
	72.43	S1 RFJ	Roots Fine Joint, from 11 to 01 o'clock, within 8 inches of joint: YES, Start	3_9A	M 1
	86.27	F1 RFJ	Roots Fine Joint, from 11 to 01 o'clock, within 8 inches of joint: YES, Finish		M 1
	91.28	TB	Tap Break-In, at 12 o'clock, -, within 8 inches of joint: YES, 8"	3_11A	
	93.06	TB	Tap Break-In, at 11 o'clock, -, within 8 inches of joint: YES, 8"	3_12A	
	150.99	TB	Tap Break-In, at 11 o'clock, -, within 8 inches of joint: YES, 8"	3_13A	
	198.88	RPP	Repair Patch, at 12 o'clock, within 8 inches of joint: YES	3_14A	







The Environmental  
Protection Specialists

Robinson Pipe Cleaning Company  
2856 Idlewood Road  
Pittsburgh, Pa 15205  
Tel: 412-921-2100  
Fax: 412-921-1500

## Inspection Report

Date 4/2/2021	Start Time 08:20:57	Weather Dry	CCTV Operator U-914-06022154	Total Length (ft.) 203.83 ft	Section No. 3
Survey Customer	System Owner	Job No.	Pre Cleaning No Pre-Cleaning	Date Cleaned	Pipe Segment Reference

1:504	Position	Code	Observation Description	Photo	Grade
	203.83	AMH	Upstream Manhole, Survey Ends	3_15A	
	MH083P020				





The Environmental  
Protection Specialists

Robinson Pipe Cleaning Company  
2658 Idlewood Road  
Pittsburgh, Pa 15205  
Tel: 412-921-2100  
Fax: 412-921-1600

## CCTV Inspection Report

Date 4/2/2021	Start Time 09:27:33	Weather Dry	CCTV Operator U-914-06022154	Total Length (ft.) 12.05 ft	Section No. 4
Survey Customer	System Owner	Job No.	Pre Cleaning No Pre-Cleaning	Date Cleaned	Pipe Segment Reference

Street: <b>N BEATTY STREET</b>	Use of Sewer: <b>Combined</b>	Upstream MH: <b>MH083P021</b>
City: <b>PITTSBURGH</b>	Drainage Area:	Downstream MH: <b>MH083P020</b>
Loc. details:	Flow Control:	Dir. of Survey: <b>Upstream</b>
Location Code:		Insp. Length: <b>12.05 ft</b>

Purpose of Survey: <b>Routine Assessment</b>	Shape: <b>Circular</b>
Year Laid:	Dia./Height: <b>18 inch</b>
Year Rehabilitated:	Material: <b>Polyvinyl Chloride</b>
Tape / Media No.: <b>DVR 1</b>	Lining Method:

Add. information :

1:50	Position	Code	Observation Description	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins	4_1A	
	0.00	MWL	Water Level, 5 %of cross sectional area		
	12.05	AMH	Upstream Manhole, Survey Ends	4_3A	



The Environmental  
Protection Specialists

Robinson Pipe Cleaning Company  
2656 Idlewood Road  
Pittsburgh, Pa 15205  
Tel: 412-921-2100  
Fax: 412-921-1900

## CCTV Inspection Report

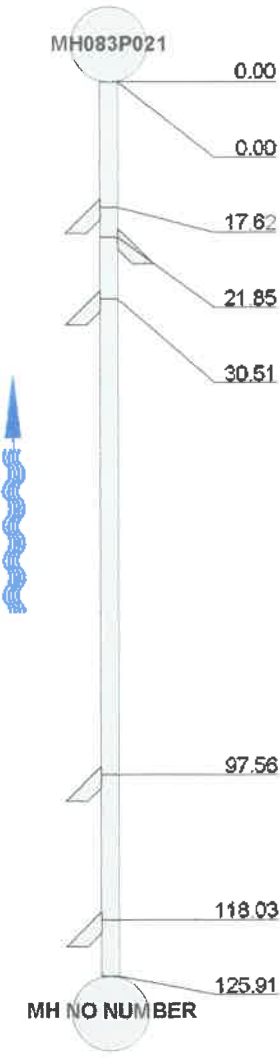
Date 4/2/2021	Start Time 09:46:12	Weather Dry	CCTV Operator U-914-06022154	Total Length (ft.) 125.91 ft	Section No. 5
Survey Customer	System Owner	Job No.	Pre Cleaning No Pre-Cleaning	Date Cleaned	Pipe Segment Reference

Street: HARVARD STREET City: PITTSBURGH Loc. details: Location Code:	Use of Sewer: Combined Drainage Area: Flow Control:	Upstream MH: MH NO NUMBER Downstream MH: MH083P021 Dir. of Survey: Upstream Insp. Length: 125.91 ft
---	---	--

Purpose of Survey: Routine Assessment Year Laid: Year Rehabilitated: Tape / Media No.: DVR 1	Shape: Circular Dia./Height: 15 Inch Material: Polyvinyl Chloride Lining Method:
---	---

Add. Information :

1:322	Position	Code	Observation Description	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins	5_1A	
	0.00	MWL	Water Level, 0 %of cross sectional area		
	17.62	TF	Tap Factory Made, at 02 o'clock, -, within 8 inches of joint: NO, 8"	5_3A	
	21.85	TF	Tap Factory Made, at 09 o'clock, -, within 8 inches of joint: YES, 15"	5_4A	
	30.51	TF	Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: YES, 15"	5_5A	
	97.56	TF	Tap Factory Made, at 02 o'clock, -, within 8 inches of joint: YES, 8"	5_6A	
	118.03	TF	Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: YES, 15"	5_7A	
	125.91	AMH	Upstream Manhole, Survey Ends	5_8A	



COUNTY OF



ALLEGHENY

**RICH FITZGERALD**  
COUNTY EXECUTIVE

July 20, 2021

Nathan Simpson  
Cosmos Technologies, Inc.  
700 River Avenue, Suite 100  
Pittsburgh, PA 15212

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY  
Harvard Beatty Housing, City of Pittsburgh**

Dear Mr. Simpson:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on July 19, 2021. The project proposes the following:

Project Description:	Harvard Beatty Housing. Proposing the construction of a four (4)-story multi-unit apartment building with six (6) live/work apartments, 27 one-bedroom apartments, nine (9) two-bedroom apartments and common amenities (Common Room, Bike Storage Room, Trash Room, Office, Laundry Room, Storage Room, and Fitness Room) on a 21,893 sf space presently comprised of the Pittsburgh Parking Authority - East Liberty Lot (Parcel # 83-P-225) and located on the southwest corner of North Beatty Street and Harvard Street in the City of Pittsburgh, Allegheny County.
Sewage Flow:	11,050 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to ALCOSAN POC A-22 to the Allegheny River interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN

Please be advised that a permit must be obtained from the Allegheny County Health Department's (ACHD) Plumbing Section prior to commencing any plumbing work for the proposed project. Plumbing work for which an ACHD Plumbing Permit must be obtained includes any plumbing work done on the site and any



DEBRA BOGEN, MD, FAAP, FABM, DIRECTOR  
**ALLEGHENY COUNTY HEALTH DEPARTMENT**

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



sewers, which will not be owned and operated by a municipality or a sewer authority. In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, you can contact Ivo Miller, Plumbing Program Manager at 412-578-8393.

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

Sincerely,

A handwritten signature in cursive script that reads "Freddie Fields".

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

FF/cb  
Enclosure

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



July 13, 2021

**Members of the Board**

Corey O'Connor  
*Chair Person*  
Rep. Harry Readshaw  
Sylvia C. Wilson  
Shannah Tharp-Gilliam, Ph.D.  
Jack Shea  
John Weinstein  
Brenda L. Smith

Arletta Scott Williams  
*Executive Director*  
William H. Inks, CPA  
*Director  
Finance & Administration*

Jan M. Oliver  
*Director  
Regional Conveyance*  
Douglas A. Jackson, P.E.  
*Director  
Operations & Maintenance*

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

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

Jeanne K. Clark  
*Director  
Governmental Affairs*

Joseph Vallarian  
*Director  
Communications*

Mr. Jason Borne, P.E.  
Cosmos Technologies, Inc.  
700 River Avenue, Suite 100  
Pittsburgh, PA 15212

**Re: Harvard Beatty Housing  
City of Pittsburgh, 11<sup>th</sup> Ward – Allegheny County  
PA DEP Sewage Facilities Planning Module  
ALCOSAN Diversion Structure A-22-00**

Dear Mr. Borne:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 11<sup>th</sup> Ward. The total project area will generate a peak flow of 11,050 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity at the A-22-00 Diversion Structure is approximately 31.2 MGD. The estimated peak dry weather flow is approximately 10.8 MGD. Dry weather capacity exists for this connection. However, the Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN requests that this letter be made part of the planning module submission. The signed Component 3 Planning Module is attached. The sewers in this project are to be designed as separated sanitary and storm sewers. If you have any questions regarding this matter, please contact me at 412-732-8053.

Sincerely,

**ALLEGHENY COUNTY SANITARY AUTHORITY**

  
Shawn P. McWilliams, EIT  
Civil Engineer

**Attachment**

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

June 21, 2021

Chirag Moradiya, E.I.T.  
Cosmos Technologies, Inc.  
700 River Ave, Suite 100  
Pittsburgh, PA 15212

Subject: Sewage Facilities Planning Module (SFPM)  
Approval for Collection System Flows  
Project Name: 20014.33 North Beatty Street and Harvard Street (Project)  
PWSA Project No.: 20014.33

Dear Chirag:

Pursuant to your request, we have reviewed the SFPM and determined that the Project will not create a dry-weather hydraulic overload within the next five (5) years for any collection facility owned by the Pittsburgh Water and Sewer Authority (PWSA). We have enclosed for your use the electronically signed "Section J – Chapter 94 Consistency Determination". Please be advised that this approval is limited to the collection system portion of 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 at x5543 or BGrunauer@pgh2o.com.

Sincerely,

*Ben Grunauer*

Benjamin Grunauer, E.I.T.  
Engineer III

Enclosures

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

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

**From:** Benjamin Grunauer, E.I.T.

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

**Date:** June 21, 2021

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

Chapter 94 Consistency Determination

Project Name: 20014.33 North Beatty Street and Harvard Street (Project)

Project Address: 121 N. Beatty Street, Pittsburgh, PA 15206

PWSA Project Number: 20014.33

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



**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 11,050 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
<b>Collection</b>	10535394	36873879	67000	77000	26415	92,453
<b>Conveyance</b>						
<b>Treatment</b>						

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

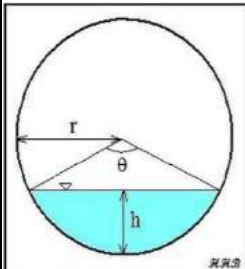
Agent Signature  Date 6/21/2021

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

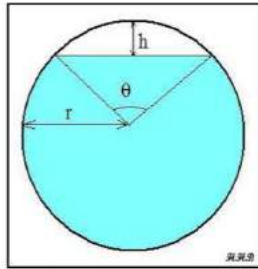
**PROJECT NAME:** 20014.33 North Beatty Street and Harvard Street  
**PWSA PROJECT NUMBER:** 20014.33  
**PWSA REVIEWER:** Benjamin Grunauer, E.I.T.  
**DATE:** June 21, 2021

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

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

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

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

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

OR

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

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

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

**Section B: Data for Calculations**

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

Proposed Project Flows		
Variable	Value	Units
Q <sub>p</sub>	11,050	gpd

Variable	Value	Units
Material	Brick	
n	0.016	unitless
S	0.007	ft/ft
h	0.083	ft
D	3.25	ft
P.F.	3.5	unitless

**Section C: Calculations for Design and/or Permitted Capacities**

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

Design Capacity, Average		
Variable	Value	Unit
$Q_{d, avg}$	10,540,200	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	3.250	ft
r	1.625	ft
A	8.296	ft <sup>2</sup>
P	10.210	ft
R	0.813	ft
$Q_{d, peak}$	57	cfs
$Q_{d, peak}$	36,890,699	gpd

#### Section D: Calculations for Present Flows

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

Present Flows, Average		
Variable	Value	Unit
$Q_{ex, avg}$	67,000	gpd

Present Flows, Peak		
Variable	Value	Unit
$Q_{ex, peak}$	77,000	gpd

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

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

Projected Flow Calculations		
Variable	Value	Unit
$Q_{proj, avg}$	26,415	gpd
$Q_{proj, peak}$	92,453	gpd

#### Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
$Q_{d, avg}$	10,540,200	10,535,394	4,806	0%
$Q_{d, peak}$	36,890,699	36,873,879	16,820	0%
$Q_{ex, avg}$	67,000	67,000	0	0%
$Q_{ex, peak}$	77,000	77,000	0	0%
$Q_{proj, avg}$	26,415	26,415	0	0%
$Q_{proj, peak}$	92,453	92,453	-1	0%