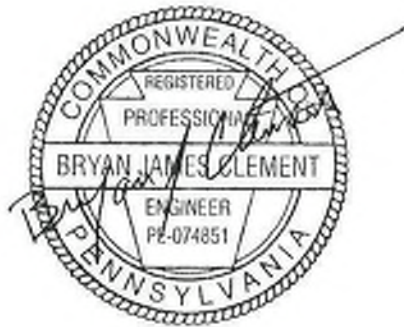


# COMPONENT 3 SEWAGE FACILITIES PLANNING MODULE PACKAGE

FORTE CONDOMINIUMS  
CITY OF PITTSBURGH  
ALLEGHENY COUNTY



*Prepared by*

**HFC** H.F. LENZ  
COMPANY

1407 Scalp Avenue  
Johnstown, Pennsylvania 15904

*Revision #1: March 13, 2020*

*February 10, 2020*

*HFL File No. 2019-0484.02*



## TABLE OF CONTENTS

**TAB 1**

TRANSMITTAL LETTER

**TAB 2**

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

**TAB 3**

SEWAGE FACILITIES PLANNING MODULE – COMPONENT 3

**TAB 4**

SEWAGE FACILITIES PLANNING MODULE – COMPONENT 4A

**TAB 5**

SEWAGE FACILITIES PLANNING MODULE – COMPONENT 4C

**TAB 6**

PROJECT NARRATIVE  
ALTERNATIVE ANALYSIS

**TAB 7**

PWSA, ALLEGHENY COUNTY, CITY OF PITTSBURGH  
CORRESPONDENCES

**TAB 8**

PNDI SCREENING RESULTS

**TAB 9**

COMPLETENESS CHECKLIST

**TAB 10**

SITE LOCATION MAP  
SITE PLAN



**TRANSMITTAL LETTER  
FOR SEWAGE FACILITIES PLANNING MODULE**

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

TO: Approving Agency (DEP or delegated local agency)  
PADEP - Southwest Regional Office  
400 Waterfront Drive, Pittsburgh, PA 15222-4745

Date \_\_\_\_\_

Dear Sir:

Attached please find a completed Sewage Facilities Planning Module prepared by Bryan J. Clement, P.E.  
(Name)

Project Engineer, H.F. Lenz Company for Forte Condominiums  
(Title) (Name)

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

Allegheny County.  
(City, Borough, Township)

**Check one**

- (i) The Planning Module, as prepared and submitted by the applicant, is approved by the municipality as a proposed  revision  supplement for new land development to its "Official Sewage Facilities Plan", and is  adopted for submission to the Department of Environmental Protection  transmitted to the delegated local agency for approval in accordance with the requirements of Chapter 71 and the Sewage Facilities Act, OR
- (ii) The Planning Module will not be approved by the municipality as a proposed revision or supplement for new land development to its "Official Sewage Facilities Plan" because the project described therein is unacceptable for the reason(s) checked below.

**Check Boxes**

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

*Municipal Secretary: Indicate below by checking appropriate boxes which components are being transmitted to the Approving Agency.*

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

Municipal Secretary (print)

Signature

Date

*Note: Please remove and recycle the Instructions portion of the Sewage Facilities Planning Module prior to mailing the appropriate completed components and supporting documents to the approving agency.*





## RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

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

**WHEREAS** Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the "Pennsylvania Sewage Facilities Act", as Amended, and the rules and Regulations of the Pennsylvania Department of Environmental Protection (Department) 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** Solara Ventures, VII, LLC has proposed the development of a parcel of land identified as  
land developer

Forte Condominiums, and described in the attached Sewage Facilities Planning Module, and  
name of subdivision

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

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

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

**NOW, THEREFORE, BE IT RESOLVED** that the (Supervisors) (Commissioners) (Councilmen) of the (Township) (Borough) (City) of Pittsburgh hereby adopt and submit to the Department of Environmental Protection 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 \_\_\_\_\_





May 28, 2020

**Members of the Board**

Corey O'Connor  
*Chair Person*

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

Arietta 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. Joshua J. Sherman, E.I.T.  
H.F. Lenz Company  
1407 Scalp Avenue  
Johnstown, PA 15904

**Re: Forte Condominiums  
City of Pittsburgh, 2<sup>nd</sup> Ward – Allegheny County  
PA DEP Sewage Facilities Planning Module  
ALCOSAN Regulator Structure A-73-00**

Dear Mr. Sherman:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 2<sup>nd</sup> Ward. The project will generate a peak flow of 19,730 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity at the A-19Y-00 Regulator Structure is approximately 0.717 MGD. The monitored peak dry weather flow is approximately 34,000 gpd. 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)



**H.F. LENZ  
COMPANY**

*Engineering*

1407 Scalp Avenue  
Johnstown, PA 15904  
Phone: 814-269-9300

May 19, 2020

Mr. Michael Lichte, P.E.  
ALCOSAN  
3300 Preble Avenue  
Pittsburgh, PA 15233-1092

A-194  
**RECEIVED**  
5-27-20

Subject: Forte Condominiums  
City of Pittsburgh, Allegheny County, Pennsylvania  
HFL File No. 2019-0484.02

RE: Sewage Planning

Dear Mr. Lichte:

The owner/developer of existing parcels 25-K-162, 25-K-164, 25-K-166, 25-K-168, 25-K-169, and 25-K-170 located at 2637-2641 Penn Avenue in the City of Pittsburgh, Allegheny County, Pennsylvania, is proposing to construct a condominium building. When complete, the project will include a total of 49 residential units and an office space for 13 employees on the bottom level. This project will create an increase in sewage flow of 19,730 GPD or 50 EDUs. Refer to the enclosed Site Location Map and Site Plan for the location of the project area and proposed improvements.

As part of this project, the Pennsylvania Department of Environmental Protection (PADEP) requires that sewage facilities planning be completed. Therefore, we are requesting your assistance in completing Section G (Page 3), Section J (Pages 6 and 7), and Section O (Pages 8 and 9) within the enclosed Sewage Facilities Planning Module Component 3.

Enclosed for your use in completing the Component 3, please find the sewage facilities planning module package containing the following information:

- PADEP Form 3800-FM-BPNPSM0355, **Transmittal Letter for Sewage Facilities Planning Module**
- PADEP Form 3800-FM-BPNPSM0356, **Resolution for Plan Revisions for New Land Development**
- PADEP Form 3800-FM-BPNPSM0353, **Sewage Facilities Planning Module, Component 3 Sewage Collection and Treatment Facilities** (and associated documentation including Project Narrative, Alternative Analysis, PNDI Internet Database Search Results, Completeness Checklist, Site Location Map, and Site Plan)



Mr. Michael Lichte, P.E.  
May 19, 2020  
Page 2

We respectfully request that the required sections be completed. Upon completion, please return the Sewage Facilities Planning Module Component 3 to our office. In the meantime, should you have any questions or require additional information, please feel free to contact our office.

Sincerely,

H.F. LENZ COMPANY

  
Joshua J. Shearman, E.I.T.

I:\PROJECTS\2019\190400\190484X\02\LETTERS\ALCOSAN\SENT\20\_0519 JJS COMPONENT 3.DOCX

Enclosures

cc: Bryan Clement - H.F. Lenz Company





March 25, 2020

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

Subject: Tap Allocation Authorization Letter

Dear Mr. Flanagan:

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

Project Name:	2637 – 2641 Penn Avenue (Forte Condominiums)
Project Address:	2637 – 2641 Penn Avenue Pittsburgh, PA 15212
Proposed Flow, gpd:	19730
EDU's, 400gpd/EDU:	49.33

Our review is based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x5543 or [Bgrunauer@pgh2o.com](mailto:Bgrunauer@pgh2o.com).

Sincerely,

*Benjamin Grunauer*

Ben Grunauer, E.I.T.  
Engineer II

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



March 25, 2020

Brian Clement  
H.F. Lenz Company  
549 North Mine Road  
Lebanon, PA 17042

Subject: Sewage Facilities Planning Module (SFPM)  
Approval Letter for Collection System Flows  
Project Name: 2637 – 2641 Penn Avenue (Forte Condominiums)  
PWSA Project No.: 20013.28

Dear Brian Clement:

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 originally 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,

*Benjamin Grunauer*

Ben Grunauer, E.I.T.  
Engineer II

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)  
Michael Lichte, P.E. – ALCOSAN (via email)  
Leslie Stevens – City of Pittsburgh Law Department (via email)  
eBuilder – Filing System (via email)



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

Code No.

## SEWAGE FACILITIES PLANNING MODULE

### Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

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

2. Brief Project Description The owner/developer of existing parcels 25-K-162, 25-K-164, 25-K-166, 25-K-168, 25-K-169, and 25-K-170 located at 2637-2641 Penn Avenue in the City of Pittsburgh, Allegheny County, Pennsylvania is proposing to construct a condominium building. When complete, the project will include a total of 49 residential units.

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

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



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

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

Forte Condominiums

Site Location Line 1

2637-2641 Penn Avenue

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15212

Latitude

40.4592169

Longitude

-79.975859

Detailed Written Directions to Site The site is located near the intersection of 27th Street and Penn Avenue.

Description of Site The site is currently a parking lot and a vacant, gravel lot.

**Site Contact (Developer/Owner)**

Last Name

Benoff

First Name

Jack

MI

Suffix

Phone

215-321-6855

Ext.

102

Site Contact Title

Site Contact Firm (if none, leave blank)

Solara Ventures, VII, LLC

FAX

215-220-2255

Email

jackb@solaragr.com

Mailing Address Line 1

30 Weatherfield Drive, Suite 217

Mailing Address Line 2

Mailing Address Last Line -- City

Newtown

State

PA

ZIP+4

18940

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

Last Name

Clement

First Name

Bryan

MI

Suffix

J

Title

Project Engineer

Consulting Firm Name

H.F. Lenz Company

Mailing Address Line 1

549 North Mine Road

Mailing Address Line 2

Address Last Line -- City

Lebanon

State

PA

ZIP+4

17042

Country

USA

Email

bclement@hflenz.com

Area Code + Phone

814-269-9300

Ext.

310

Area Code + FAX

814-269-9301

**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 50

Connections 2

Name of:

existing collection or conveyance system Mulberry Way - 15" VCP Combination Sewer

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny River

owner Allegheny County Sanitary Authority (ALCOSAN)

**2. WASTEWATER TREATMENT FACILITY**

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

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

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

Name of existing facility ALCOSAN Woods Run WWTP

NPDES Permit Number for existing facility PA 0025984

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

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

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

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams Date 05/28/2020

(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.

- Project Flows 19730 gpd
- 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.).

- Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.
- 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>	11016616	38558157	84022	290197	96948	325424
<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.   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 The Pittsburgh Water and Sewer Authority

Name of Responsible Agent Barry King, P.E. / Director of Engineering and Construction

Agent Signature  Date 3/24/2020



**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 19730 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance	---	717000	31000	34000	51200	54200
Treatment	216.1 MGD	250.0 MGD	216.1 MGD	250.0 MGD	202.9 MGD	250.0 MGD

3. Collection and Conveyance Facilities

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

YES NO

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

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

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

b. Collection System

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

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

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



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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams

Date 05/28/2020

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 05/28/2020

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

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

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

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

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

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

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

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

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

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

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

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

Yes No

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

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

2. Project Flows \_\_\_\_\_ gpd

Yes No

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

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

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

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System

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

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

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

Date \_\_\_\_\_

- c. Conveyance System

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

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

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

Date \_\_\_\_\_



5. Treatment Facility

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

Yes No

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

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

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

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

(For completion by the municipality)

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

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

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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.

<u>Bryan J. Clement</u>	<u></u>
Name (Print)	Signature
<u>Project Engineer</u>	<u>2/7/2020</u>
Title	Date
<u>549 North Mine Road, Lebanon, PA 17042</u>	<u>814-269-9300</u>
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 \$2,500.00 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 \_\_\_\_\_

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**R. REVIEW FEE** (continued)

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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.

$$\#50 \text{ Lots (or EDUs)} \times \$50.00 = \$2,500.00$$

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
- For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.

2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

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

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

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

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

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

The fee is based upon:

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

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

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

# SEWER PLANNING MODULE DRY WEATHER FLOW CALCULATIONS

FORTE CONDOMINIUMS  
CITY OF PITTSBURGH, ALLEGHENY COUNTY



*Prepared by*


**H.F. LENZ**  
COMPANY  
1407 Scalp Avenue  
Johnstown, Pennsylvania 15904

*Revision #1: March 13, 2020  
February 7, 2020  
HFL File No. 2019-0484.02*





<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA.	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Upstream	
<b>Additional Information:</b> NEEDS CLEANED			
<b>Video File:</b> <a href="#">MH025K017_MH025K010_14012020_105233.mpg</a>			

	<u>FT+</u>	<u>Observation</u>	<u>Grade</u>
MH025K010			
	0.00	<b>AMH</b> Downstream Manhole, Survey Begins DEPTH 8FT 11 INCH	
	0.00	<b>MWL</b> Water Level, 5 %of cross sectional area	
	8.70	<b>TF</b> Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: NO, 6"	
	15.50	<b>MMC</b> Material Change, Polyvinyl Chloride (PVC)	
	29.10	<b>MMC</b> Material Change, Vitrified clay pipe	
	29.90	<b>FM</b> Fracture Multiple, from 12 to 12 o'clock, within 8 inches of joint: YES, Start	<b>S4</b>
	32.50	<b>TF</b> Tap Factory Made, at 09 o'clock, -, within 8 inches of joint: NO, 6"	
	40.80	<b>TFC</b> Tap Factory Made Capped, at 03 o'clock, -, within 8 inches of joint: NO, 6"	
	62.10	<b>TF</b> Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: NO, 6"	
	74.70	<b>FM</b> Fracture Multiple, from 12 to 12 o'clock, within 8 inches of joint: YES, Finish	<b>S4</b>
	80.30	<b>TF</b> Tap Factory Made, at 10 o'clock, -, within 8 inches of joint: NO, 6"	



<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Upstream	

**Additional Information:** NEEDS CLEANED

**Video File:**

	82.60	FL	Fracture Longitudinal, at 12 o'clock, within 8 inches of joint: YES, Start	S3
	89.50	TF	Tap Factory Made, at 09 o'clock, -, within 8 inches of joint: NO, 6"	
	98.30	FL	Fracture Longitudinal, at 12 o'clock, within 8 inches of joint: YES, Finish	S3
	100.20	TF	Tap Factory Made, at 09 o'clock, -, within 8 inches of joint: NO, 6"	
	101.90	TFC	Tap Factory Made Capped, at 03 o'clock, -, within 8 inches of joint: NO, 6"	
	114.20	TFC	Tap Factory Made Capped, at 09 o'clock, -, within 8 inches of joint: NO, 6"	
	116.60	TB	Tap Break-In, at 02 o'clock, -, within 8 inches of joint: NO, 6"	
	116.90	TB	Tap Break-In, at 10 o'clock, -, within 8 inches of joint: NO, 6"	
	120.80	TF	Tap Factory Made, at 02 o'clock, -, within 8 inches of joint: NO, 6"	
	125.90	TB	Tap Break-In, at 10 o'clock, -, within 8 inches of joint: NO, 6"	
	127.00	OBZ	Obstacles Other, 20 %of cross sectional area, from 05 to 07 o'clock CONCRETE	M3
	131.60	MSA	Survey Abandoned CONCRETE DEBRIS	

**ROBINSON PIPE CLEANING***A Carylon Company*2656 Idlewood Road  
Pittsburgh, PA | 15205  
412-921-2100  
www.robinsonpipe.com

<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Upstream	

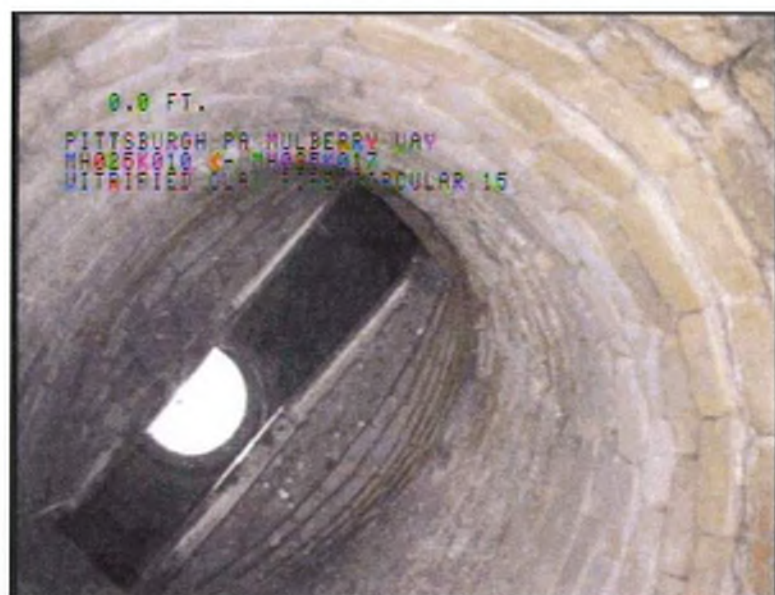
**Additional Information:** NEEDS CLEANED**Video File:**

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4933	3100	45	3	48	4	3	4





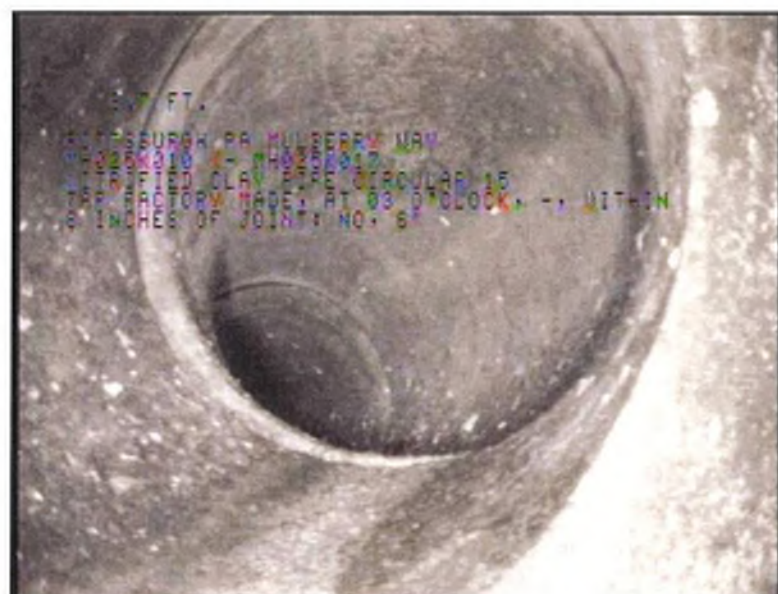
<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
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<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Upstream	
<b>Additional Information:</b> NEEDS CLEANED			
<b>Video File:</b>			



**0.00**

Downstream Manhole, Survey Begins

DEPTH 8FT 11 INCH



**8.70**

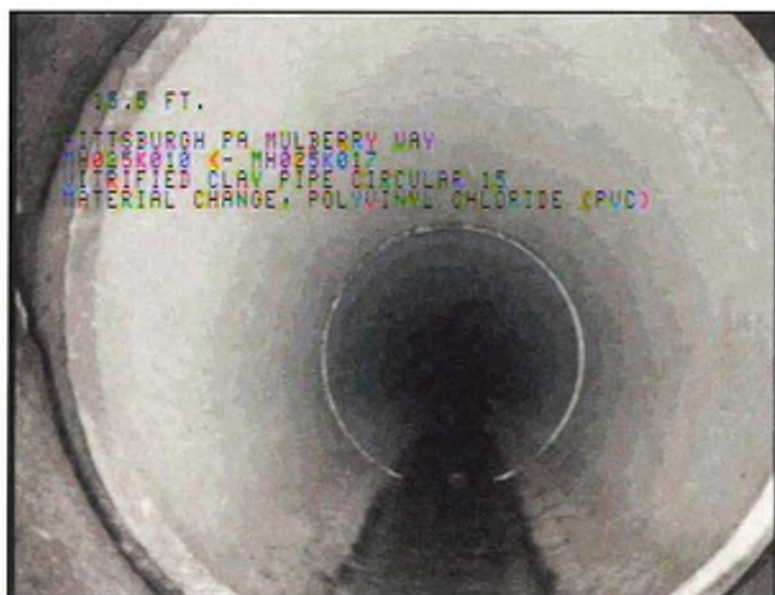
Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: NO, 6"



<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Upstream	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15		

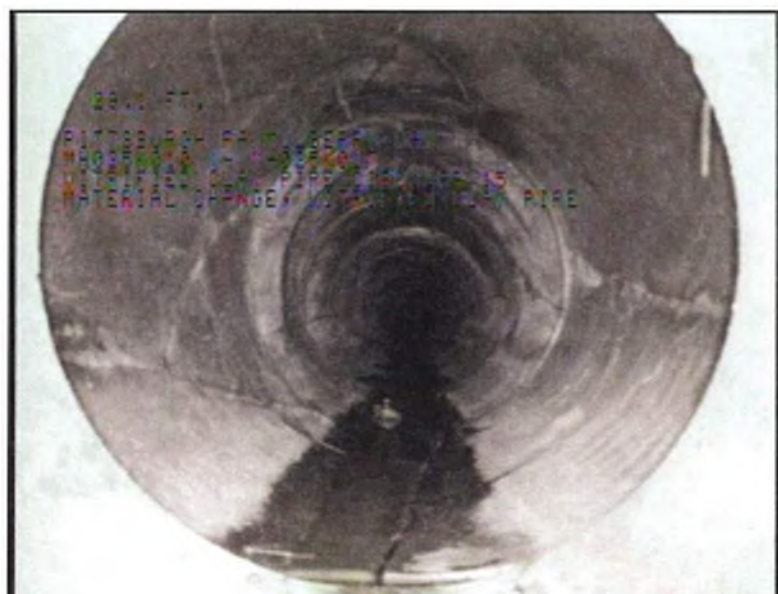
**Additional Information:** NEEDS CLEANED

**Video File:**



**15.50**

Material Change, Polyvinyl Chloride (PVC)



**29.10**

Material Change, Vitrified clay pipe

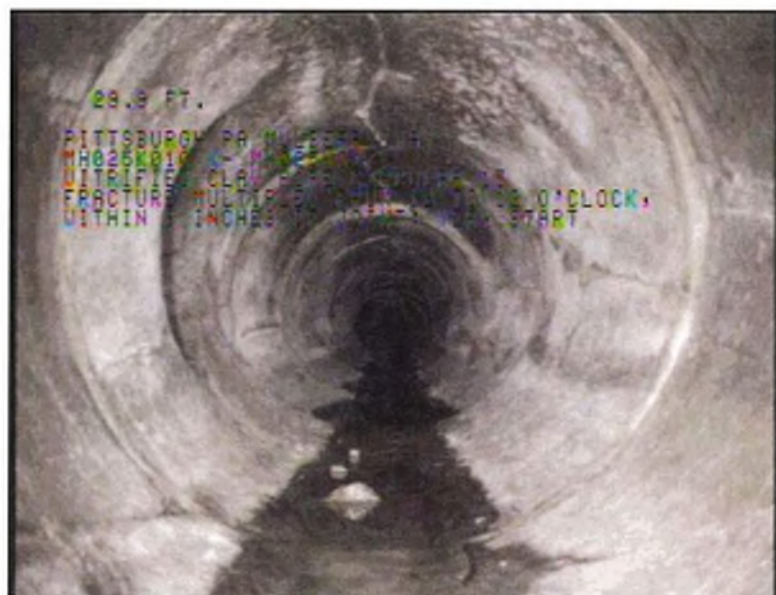




<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspected Length:</b> 131.60	<b>Inspection Direction:</b> Upstream
<b>Pipe Diameter (in)</b> 15			

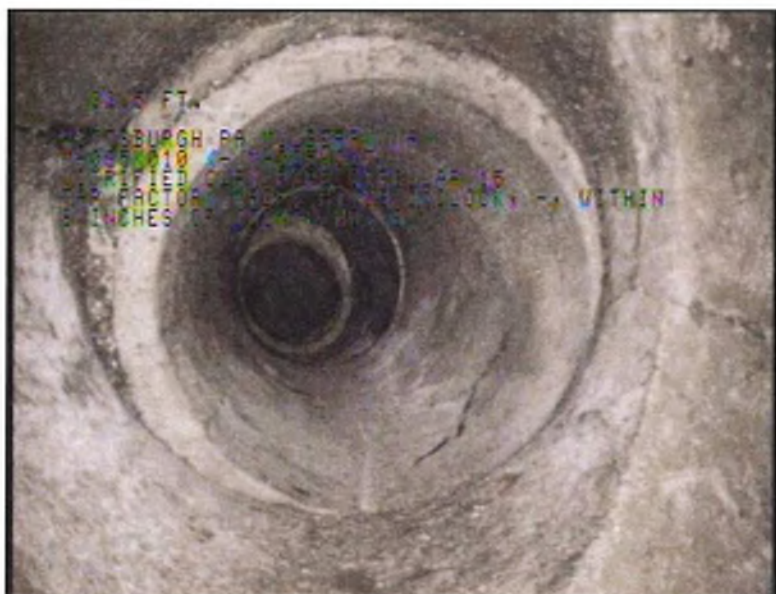
**Additional Information:** NEEDS CLEANED

**Video File:**



**29.90**

Fracture Multiple, from 12 to 12 o'clock, within 8 inches of joint: YES, Start

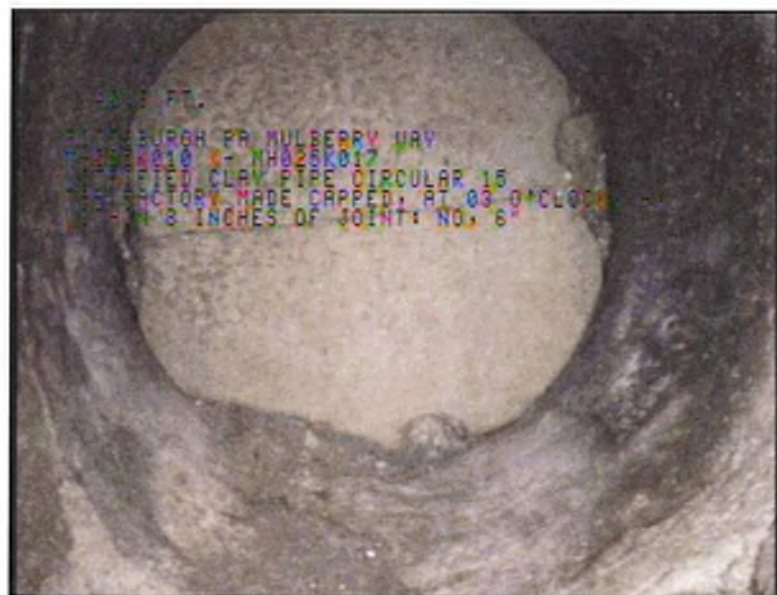


**32.50**

Tap Factory Made, at 09 o'clock, -, within 8 inches of joint: NO, 6"

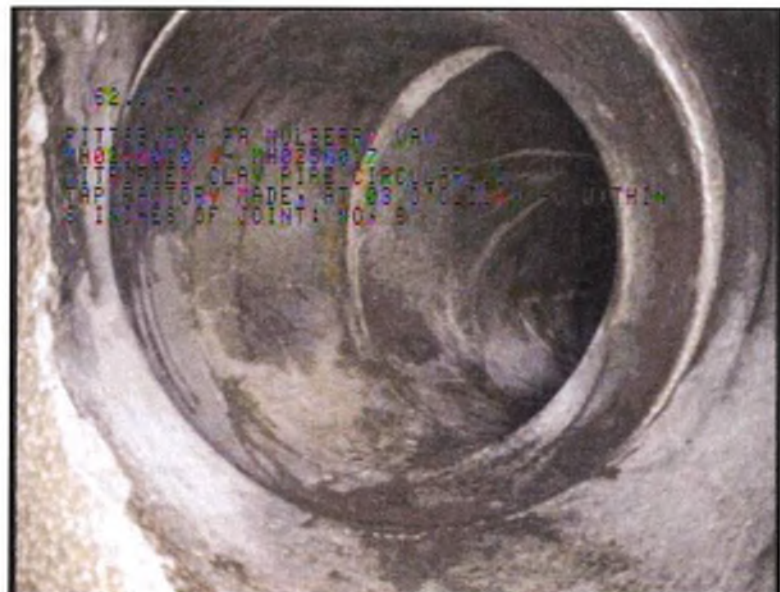


<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Upstream	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15		
<b>Additional Information:</b> NEEDS CLEANED			
<b>Video File:</b>			



**40.80**

Tap Factory Made Capped, at 03 o'clock, -, within 8 inches of joint: NO, 6"



**62.10**

Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: NO, 6"

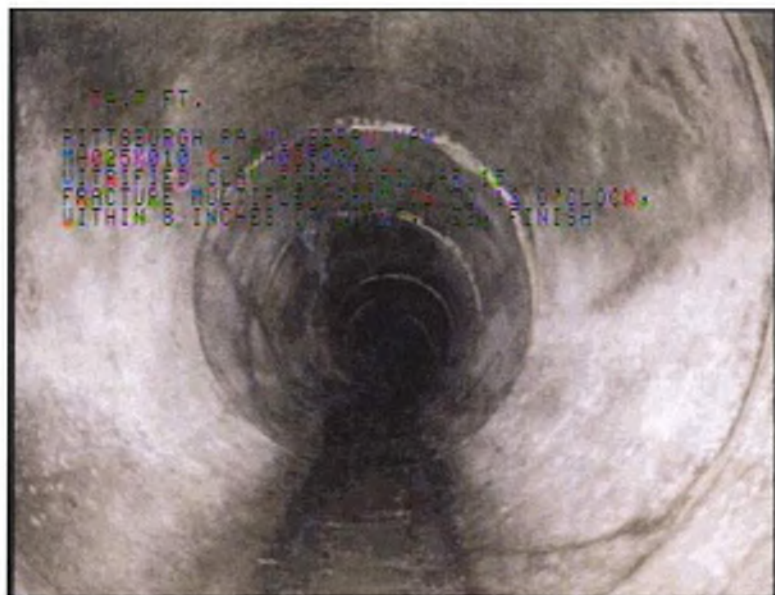




<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspected Length:</b> 131.60	<b>Inspection Direction:</b> Upstream
<b>Pipe Diameter (in)</b> 15			

**Additional Information:** NEEDS CLEANED

**Video File:**



**74.70**

Fracture Multiple, from 12 to 12 o'clock, within 8 inches of joint: YES, Finish



**80.30**

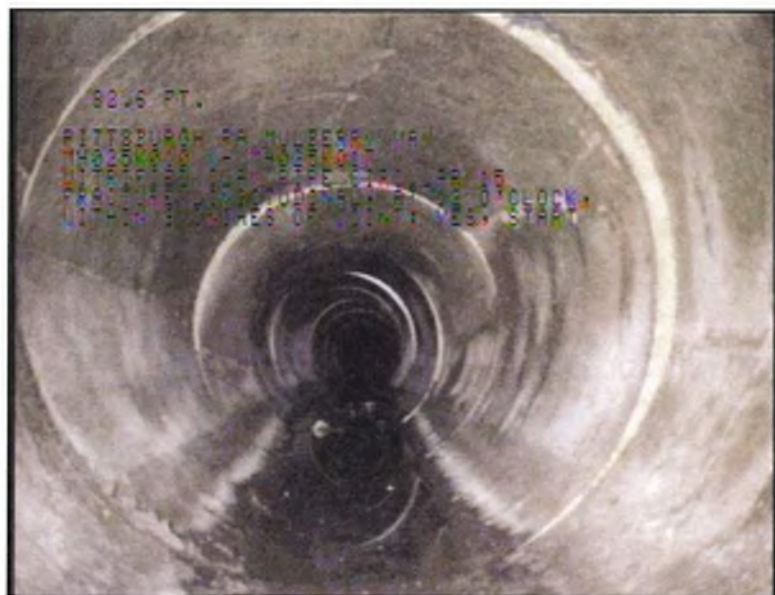
Tap Factory Made, at 10 o'clock, -, within 8 inches of joint: NO, 6"



<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Upstream	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15		

**Additional Information:** NEEDS CLEANED

**Video File:**



**82.60**

Fracture Longitudinal, at 12 o'clock, within 8 inches of joint: YES, Start



**89.50**

Tap Factory Made, at 09 o'clock, -, within 8 inches of joint: NO, 6"

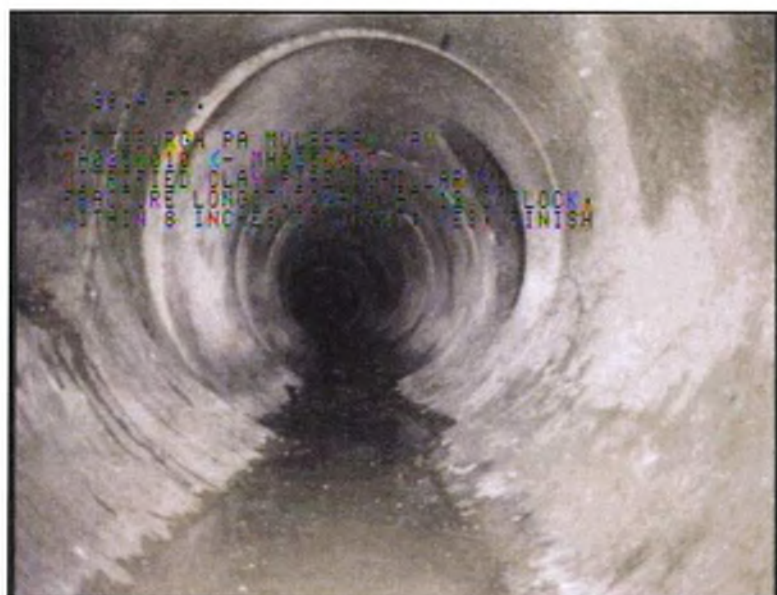




<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Upstream	

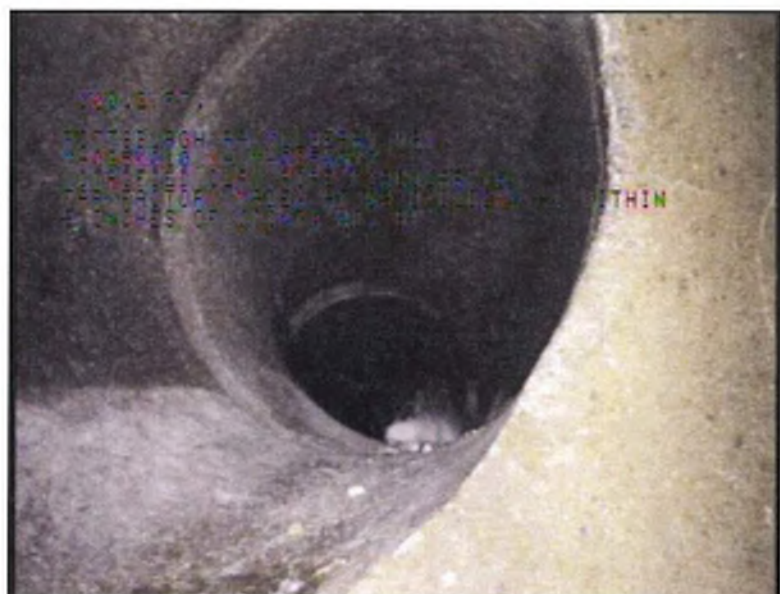
**Additional Information:** NEEDS CLEANED

**Video File:**



**98.30**

Fracture Longitudinal, at 12 o'clock, within 8 inches of joint: YES, Finish



**100.20**

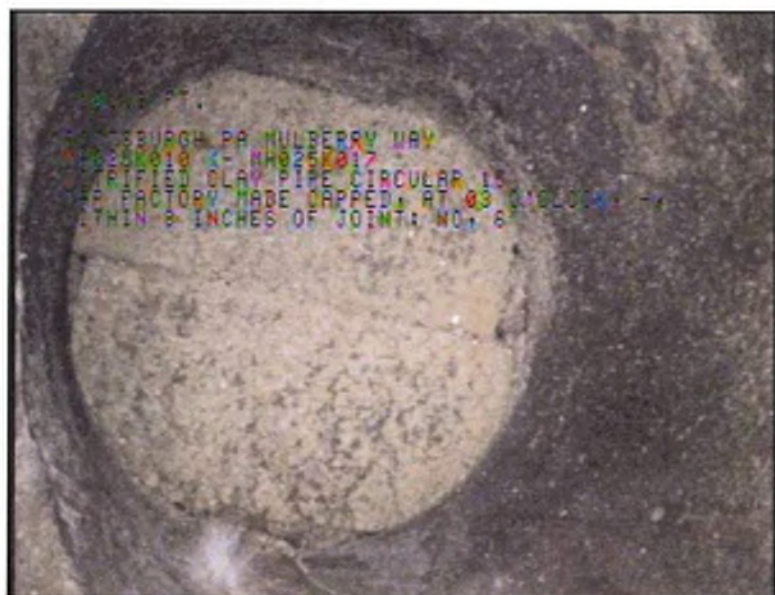
Tap Factory Made, at 09 o'clock, -, within 8 inches of joint: NO, 6"



<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Upstream	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15		

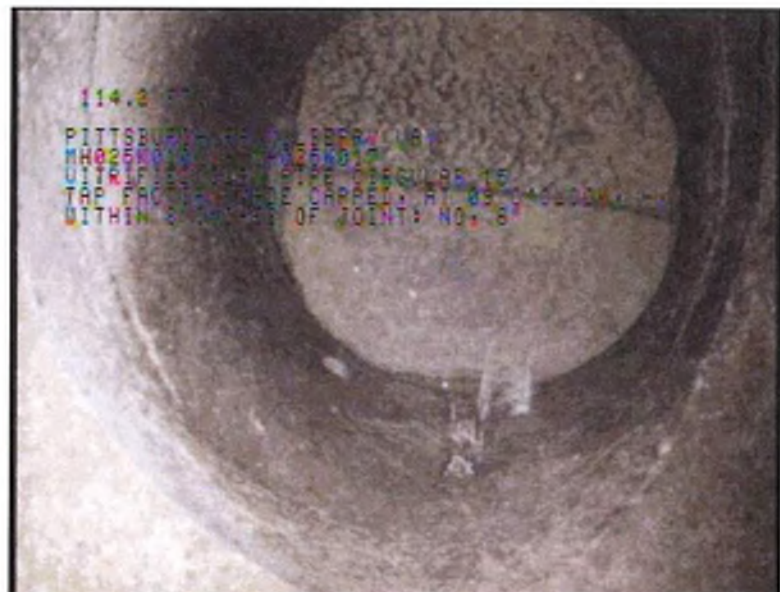
**Additional Information:** NEEDS CLEANED

**Video File:**



**101.90**

Tap Factory Made Capped, at 03 o'clock, -, with 8 inches of joint: NO, 6"



**114.20**

Tap Factory Made Capped, at 09 o'clock, -, with 8 inches of joint: NO, 6"





<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA.	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Upstream	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15		

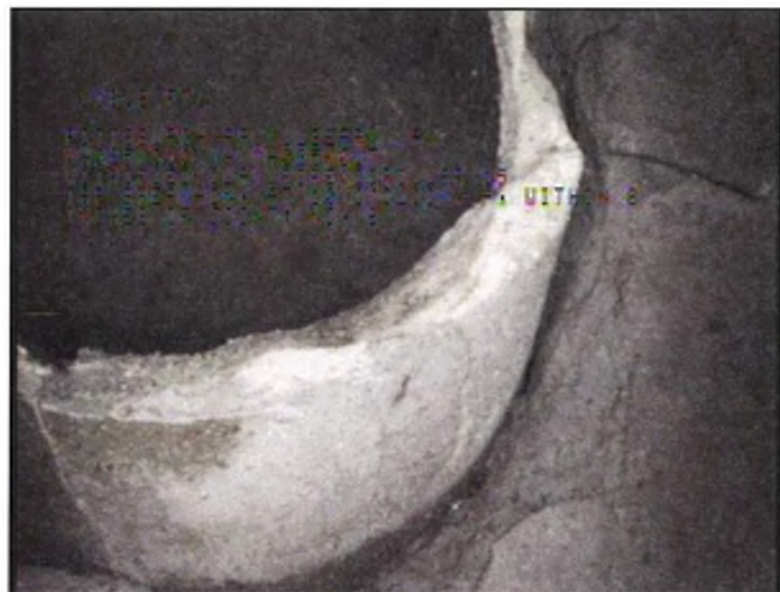
**Additional Information:** NEEDS CLEANED

**Video File:**



**116.60**

Tap Break-In, at 02 o'clock, -, within 8 inches of joint NO, 6"

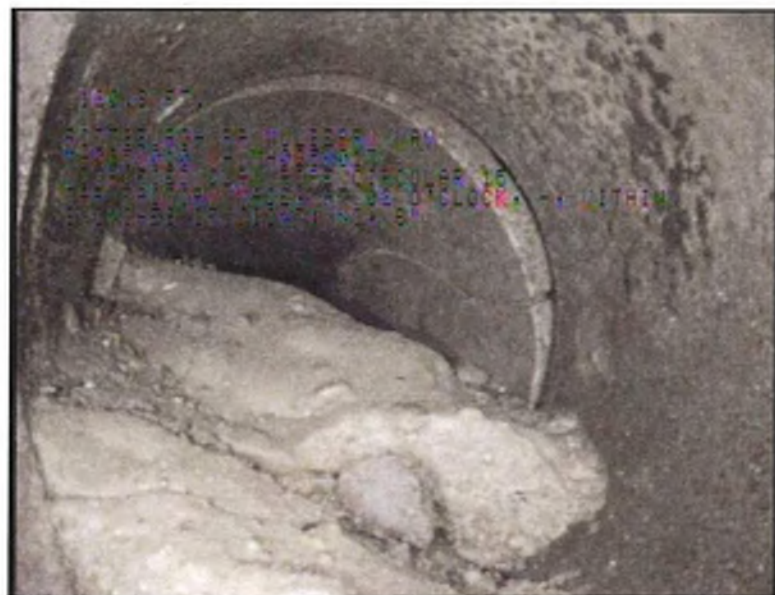


**116.90**

Tap Break-In, at 10 o'clock, -, within 8 inches of joint NO, 6"



<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Upstream	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15		
<b>Additional Information:</b> NEEDS CLEANED			
<b>Video File:</b>			



**120.80**

Tap Factory Made, at 02 o'clock, -, within 8 inches of joint: NO, 6"



**125.90**

Tap Break-In, at 10 o'clock, -, within 8 inches of joint NO, 6"

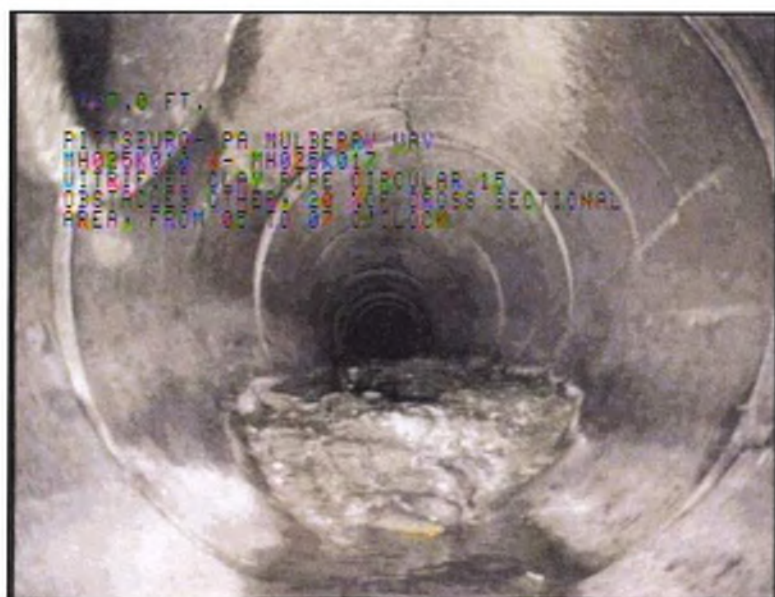




<b>Section</b> 1	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 131.60	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Upstream	

**Additional Information:** NEEDS CLEANED

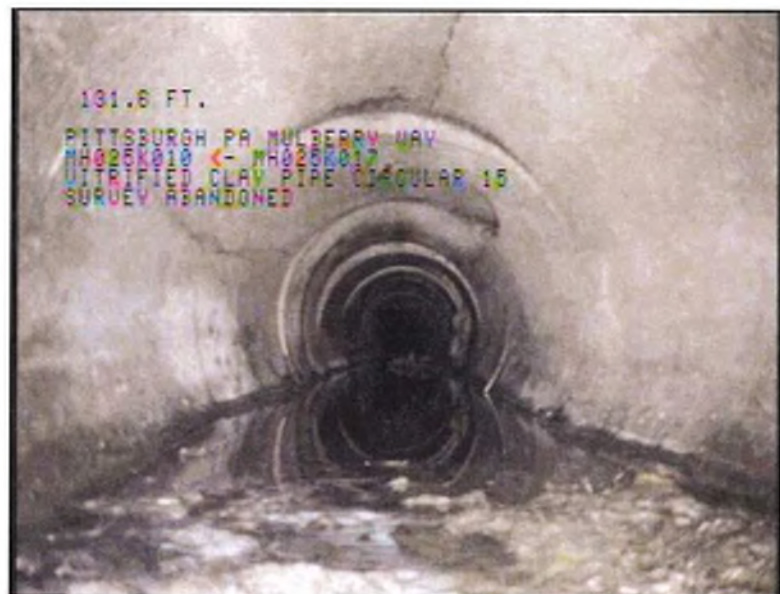
**Video File:**



**127.00**

Obstacles Other, 20 %of cross sectional area,  
from 05 to 07 o'clock

CONCRETE



**131.60**

Survey Abandoned


CONCRETE DEBRIS



<b>Section</b> 2	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K010	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K018	
<b>Inspected Length:</b> 15.20	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Downstream	

**Additional Information:** NEEDS CLEANED

**Video File:** [MH025K010\\_MH025K018\\_14012020\\_112715.mpg](#)

FT+	Observation	Grade
MH025K010		
	<b>0.00</b> <b>AMH</b> Upstream Manhole, Survey Begins	
	<b>0.00</b> <b>MWL</b> Water Level, 5 %of cross sectional area	
	<b>15.20</b> <b>OBR</b> Obstacles Rocks, 15 %of cross sectional area, from 05 to 07 o'clock <i>DEBRIS</i>	<b>M3</b>
	<b>15.20</b> <b>MSA</b> Survey Abandoned <i>DEBRIS DOWNSTREAM MH BURIED</i>	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	3100	0	3	3	0	3	3





**Section**  
2

**Date:** 1/14/2020

**Pre-Cleaning:** No-Pre  
Cleaning

**PACP  
Operator:** Rick Ferrance

**Street:** MULBERRY WAY

**Use of Sewer:** Combined

**Upstream Manhole:** MH025K010

**City:** PITTSBURGH PA

**Pipe Material:** VCP

**Downstream Manhole:** MH025K018

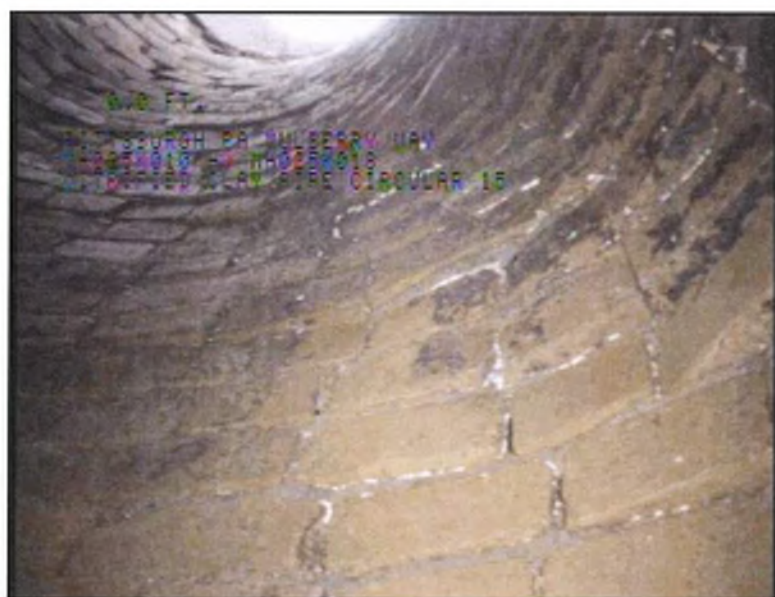
**Inspected Length:** 15.20

**Pipe Diameter (in):** 15

**Inspection Direction:** Downstream

**Additional Information:** NEEDS CLEANED

**Video File:**



**0.00**

Upstream Manhole, Survey Begins



**15.20**

Obstacles Rocks, 15 %of cross sectional area,  
from 05 to 07 o'clock

DEBRIS



**Section**  
2

**Date:** 1/14/2020

**Pre-Cleaning:** No-Pre  
Cleaning

**PACP  
Operator:** Rick Ferrance

**Street:** MULBERRY WAY

**City:** PITTSBURGH PA

**Inspected Length:** 15.20

**Use of Sewer:** Combined

**Pipe Material:** VCP

**Pipe Diameter (in)** 15

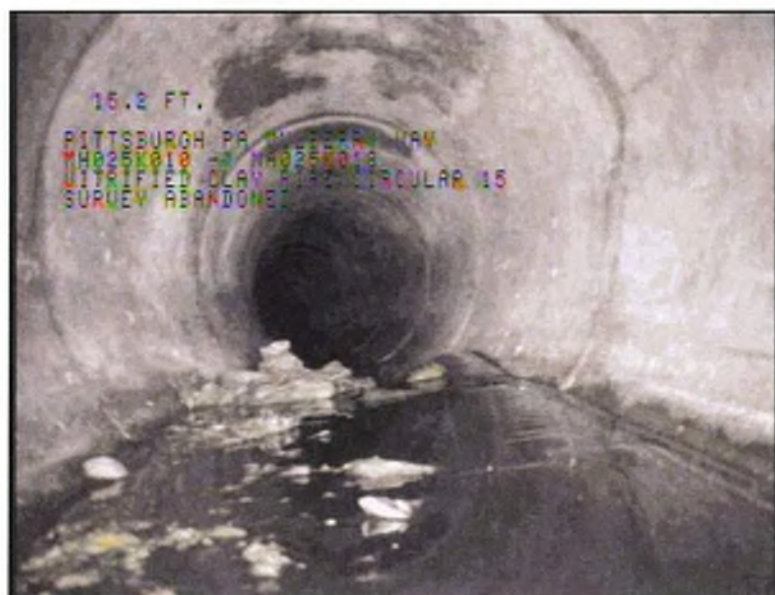
**Upstream Manhole:** MH025K010

**Downstream Manhole:** MH025K018

**Inspection Direction:** Downstream

**Additional Information:** NEEDS CLEANED

**Video File:**



**15.20**

Survey Abandoned

DEBRIS DOWNSTREAM MH BURIED






<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Downstream	

**Additional Information:**

**Video File:** [MH025K017\\_MH025K010\\_14012020\\_114829.mpg](#)


<u>FT+</u>	<u>Observation</u>	<u>Grade</u>
MH025K017		
	<b>0.00</b> <b>AMH</b> Upstream Manhole, Survey Begins <i>REVERSE DEPTH 8FT 5INCH</i>	
	<b>0.00</b> <b>MWL</b> Water Level, 5 %of cross sectional area	
	<b>11.40</b> <b>TFC</b> Tap Factory Made Capped, at 03 o'clock, -, within 8 inches of joint: NO, 6"	
	<b>23.90</b> <b>TF</b> Tap Factory Made, at 10 o'clock, -, within 8 inches of joint: NO, 6"	
	<b>25.80</b> <b>TB</b> Tap Break-In, at 10 o'clock, -, within 8 inches of joint: NO, 6"	
	<b>30.60</b> <b>TF</b> Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: NO, 6"	
	<b>40.60</b> <b>TB</b> Tap Break-In, at 10 o'clock, -, within 8 inches of joint: NO, 6"	
	<b>42.80</b> <b>TFC</b> Tap Factory Made Capped, at 10 o'clock, -, within 8 inches of joint: NO, 6"	
	<b>52.20</b> <b>OBZ</b> Obstacles Other, 15 %of cross sectional area, from 05 to 08 o'clock <i>DEBRIS</i>	<b>M3</b>
	<b>53.30</b> <b>TF</b> Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: NO, 6"	
	<b>68.40</b> <b>TFC</b> Tap Factory Made Capped, at 10 o'clock, -, within 8 inches of joint: NO, 6"	



<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
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<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Downstream

**Additional Information:**  
**Video File:**



83.10	<b>TF</b>	Tap Factory Made, at 10 o'clock, -, within 8 inches of joint: NO, 6"	
87.30	<b>TFC</b>	Tap Factory Made Capped, at 03 o'clock, -, within 8 inches of joint: NO, 6"	
91.20	<b>MWLS</b>	Water Level, Sag in pipe, 10 %of cross sectional area	<b>S2</b>
99.90	<b>TF</b>	Tap Factory Made, at 11 o'clock, -, within 8 inches of joint: NO, 6"	
109.80	<b>TB</b>	Tap Break-In, at 02 o'clock, -, within 8 inches of joint: NO, 6"	
111.40	<b>TFC</b>	Tap Factory Made Capped, at 09 o'clock, -, within 8 inches of joint: NO, 6"	
111.40	<b>TB</b>	Tap Break-In, at 01 o'clock, -, within 8 inches of joint: NO, 4"	
111.40	<b>OBZ</b>	Obstacles Other, 20 %of cross sectional area, from 05 to 08 o'clock CONCRETE DEBRIS	<b>M3</b>
111.40	<b>MSA</b>	Survey Abandoned DEBRIS	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
2100	3200	2	6	8	2	3	3

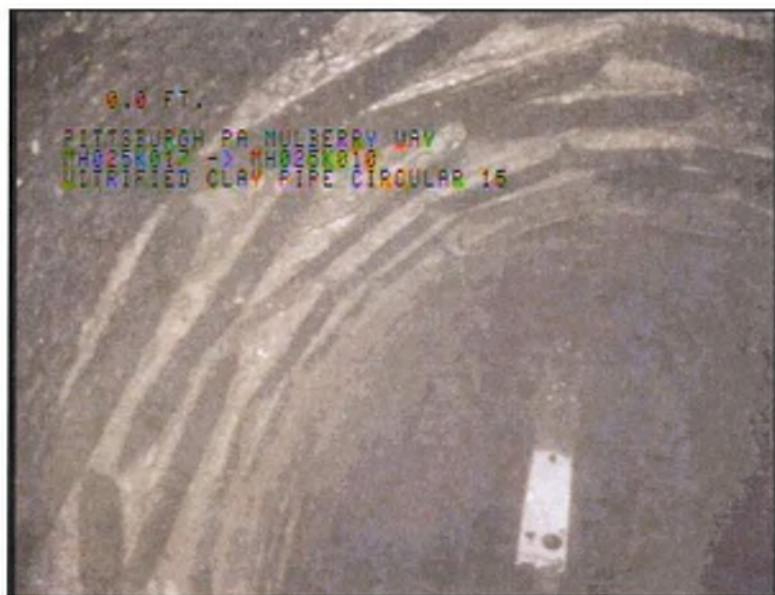




<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspected Length:</b> 111.40	<b>Inspection Direction:</b> Downstream
<b>Pipe Diameter (in)</b> 15			

**Additional Information:**

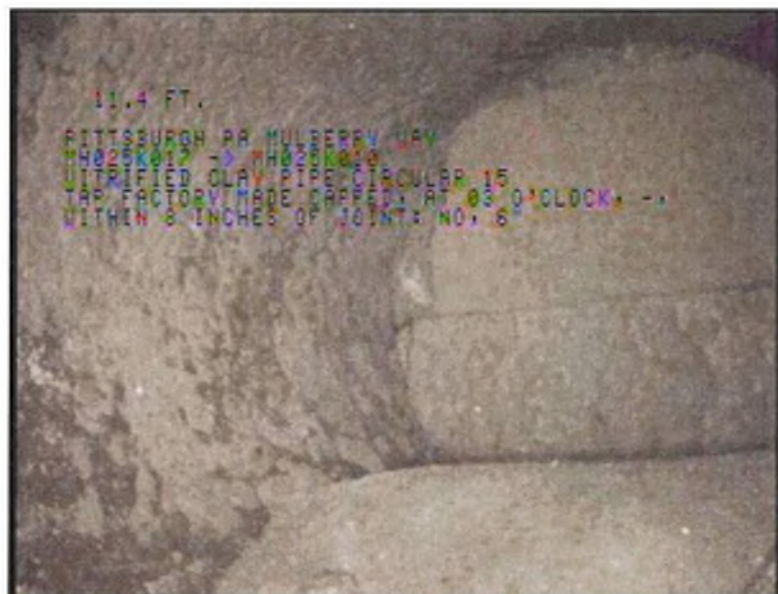
**Video File:**



**0.00**

Upstream Manhole, Survey Begins

REVERSE DEPTH 8FT 5INCH



**11.40**

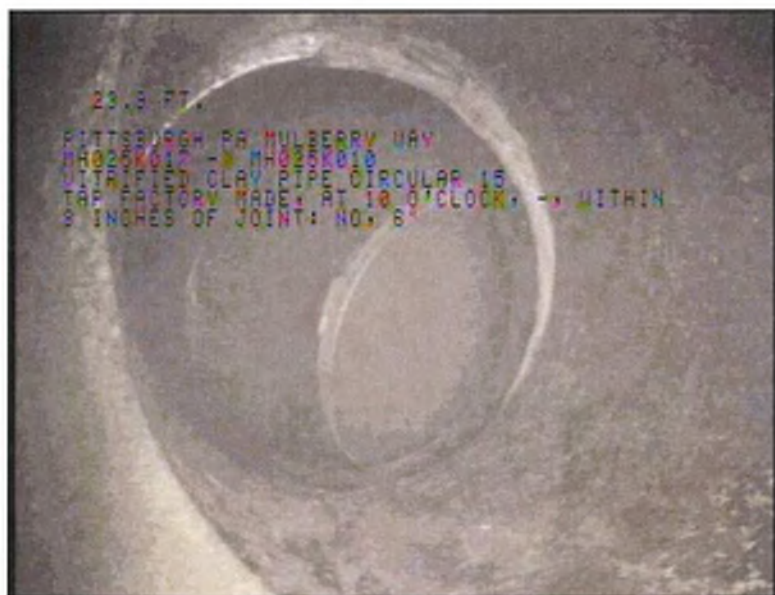
Tap Factory Made Capped, at 03 o'clock, -, with 8 inches of joint: NO, 6"



<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspected Length:</b> 111.40	<b>Inspection Direction:</b> Downstream
<b>Pipe Diameter (in)</b> 15			

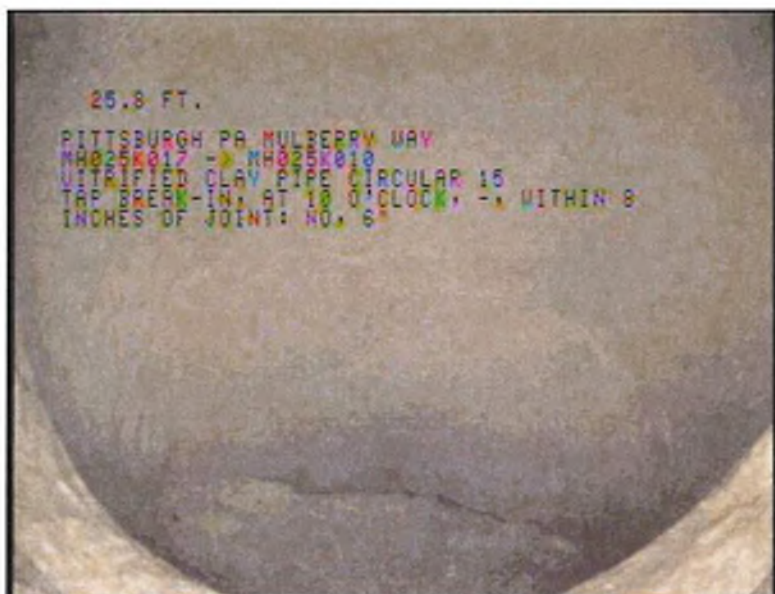
**Additional Information:**

**Video File:**



**23.90**

Tap Factory Made, at 10 o'clock, -, within 8 inches of joint NO, 6"



**25.80**

Tap Break-In, at 10 o'clock, -, within 8 inches of joint NO, 6"

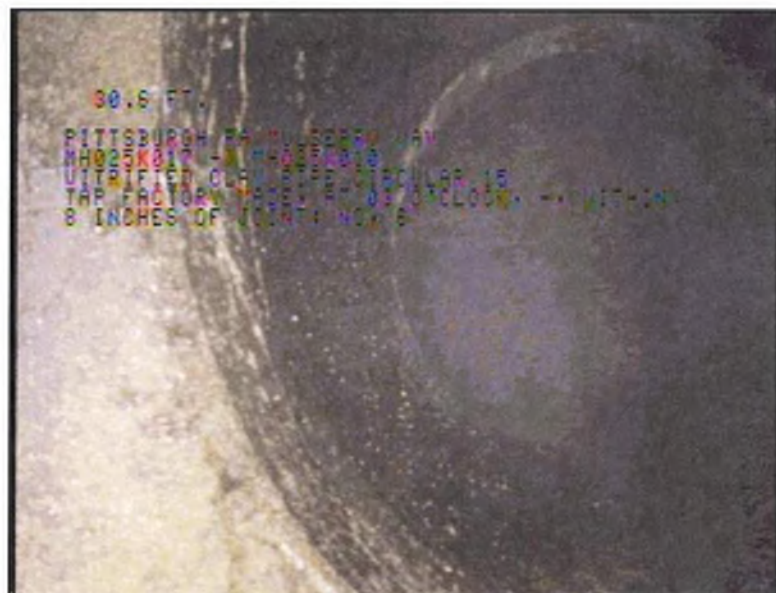




<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Downstream	
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15		

**Additional Information:**

**Video File:**



**30.60**

Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: NO, 6"



**40.60**

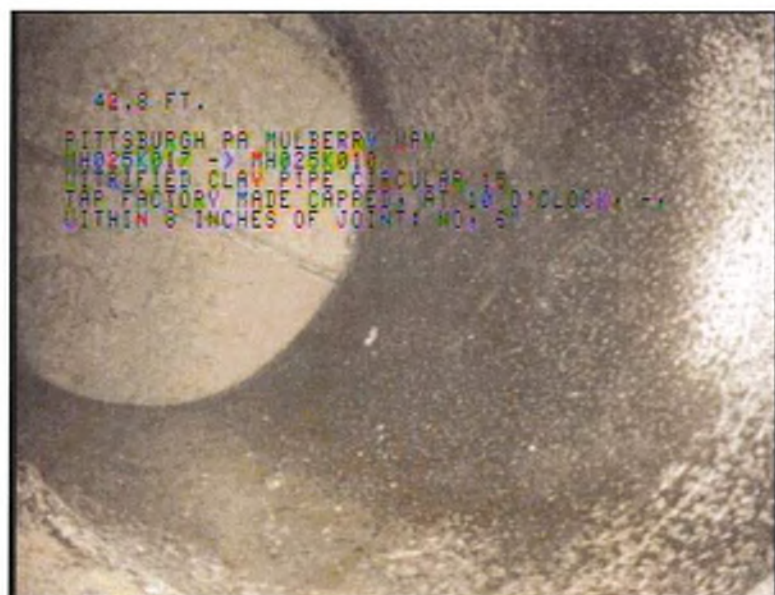
Tap Break-In, at 10 o'clock, -, within 8 inches of joint NO, 6"



<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspected Length:</b> 111.40	<b>Inspection Direction:</b> Downstream
<b>Pipe Diameter (in)</b> 15			

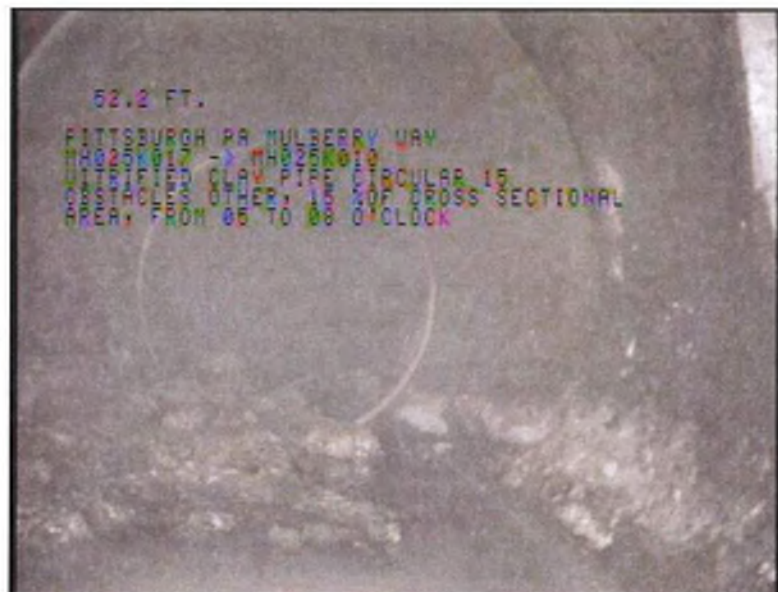
**Additional Information:**

**Video File:**



**42.80**

Tap Factory Made Capped, at 10 o'clock, -, with 8 inches of joint: NO, 6"



**52.20**

Obstacles Other, 15 %of cross sectional area, from 05 to 08 o'clock

DEBRIS

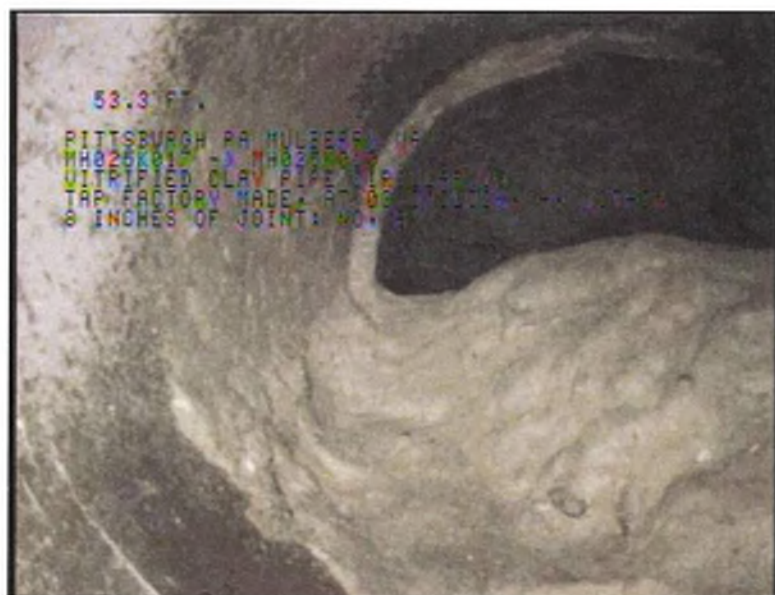




<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA.	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Downstream	
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15		

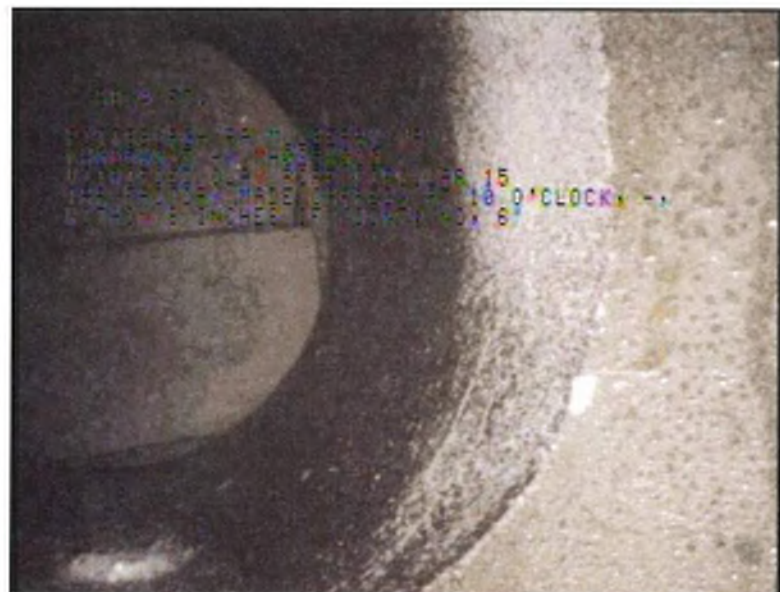
**Additional Information:**

**Video File:**



**53.30**

Tap Factory Made, at 03 o'clock, -, within 8 inches of joint: NO, 6"



**68.40**

Tap Factory Made Capped, at 10 o'clock, -, within 8 inches of joint: NO, 6"



<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Downstream	

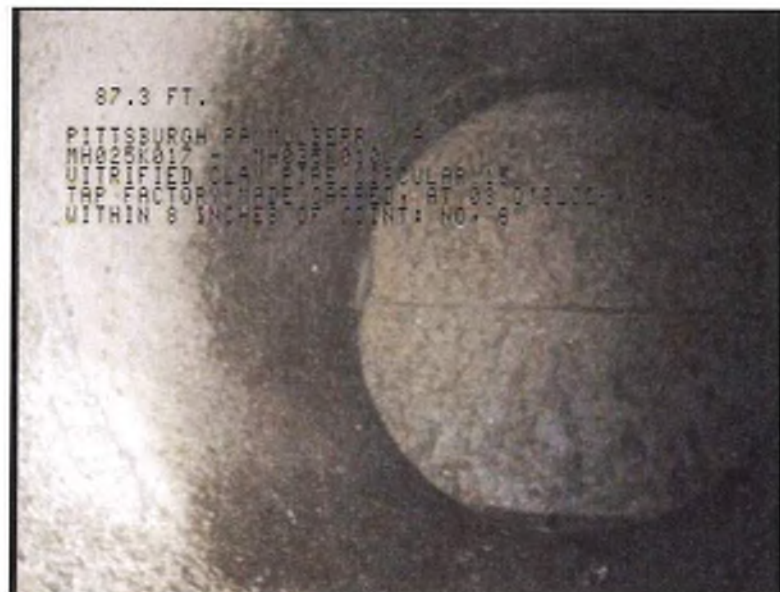
**Additional Information:**

**Video File:**



**83.10**

Tap Factory Made, at 10 o'clock, -, within 8 inches of joint: NO, 6"



**87.30**

Tap Factory Made Capped, at 03 o'clock, -, within 8 inches of joint: NO, 6"

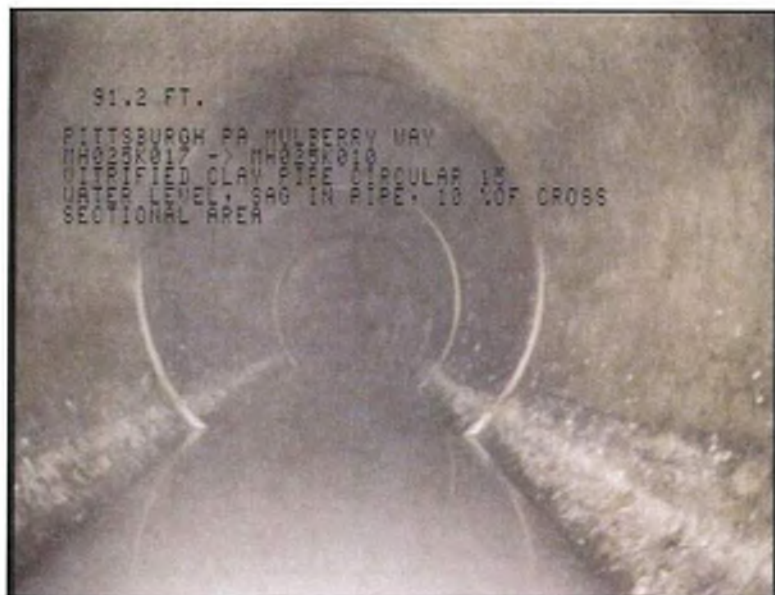




<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Downstream	

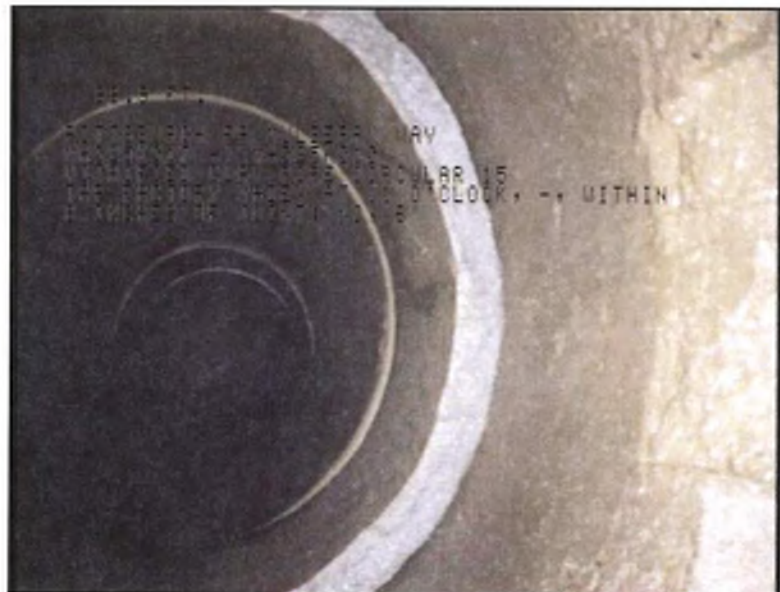
**Additional Information:**

**Video File:**



**91.20**

Water Level, Sag in pipe, 10 %of cross sectional area



**99.90**

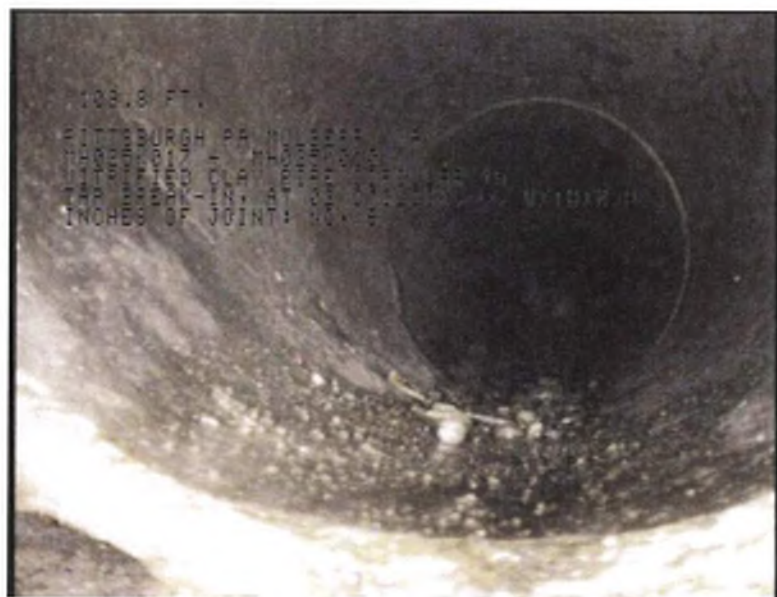
Tap Factory Made, at 11 o'clock, -, within 8 inches of joint: NO, 6"



<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	<b>Downstream Manhole:</b> MH025K010
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Inspection Direction:</b> Downstream	
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15		

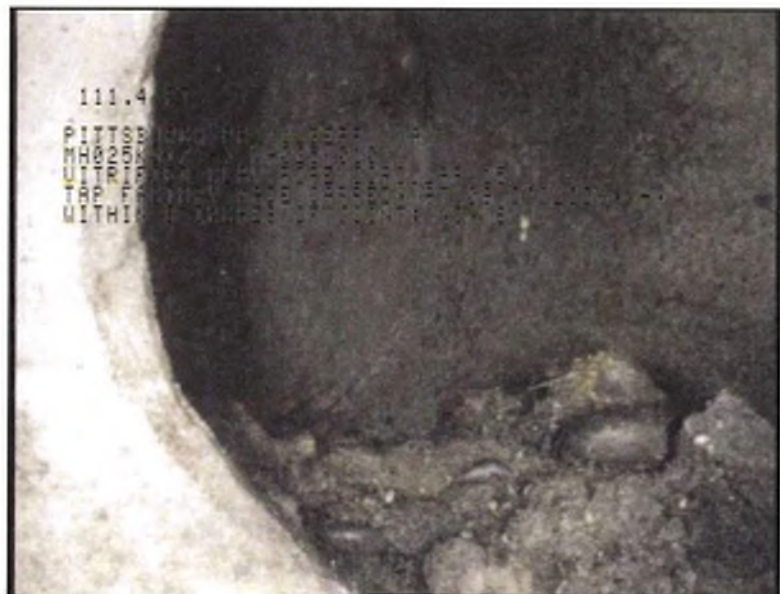
**Additional Information:**

**Video File:**



**109.80**

Tap Break-In, at 02 o'clock, -, within 8 inches of joint NO, 6"



**111.40**

Tap Factory Made Capped, at 09 o'clock, -, within 8 inches of joint: NO, 6"





<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Downstream	

**Additional Information:**

**Video File:**



**111.40**

Tap Break-In, at 01 o'clock, -, within 8 inches of joint NO, 4"



**111.40**

Obstacles Other, 20 %of cross sectional area, from 05 to 08 o'clock  
CONCRETE DEBRIS



<b>Section</b> 3	<b>Date:</b> 1/14/2020	<b>Pre-Cleaning:</b> No-Pre Cleaning	<b>PACP Operator:</b> Rick Ferrance
<b>Street:</b> MULBERRY WAY	<b>Use of Sewer:</b> Combined	<b>Upstream Manhole:</b> MH025K017	
<b>City:</b> PITTSBURGH PA	<b>Pipe Material:</b> VCP	<b>Downstream Manhole:</b> MH025K010	
<b>Inspected Length:</b> 111.40	<b>Pipe Diameter (in)</b> 15	<b>Inspection Direction:</b> Downstream	

**Additional Information:**

**Video File:**



**111.40**

Survey Abandoned

DEBRIS





The owner/developer of existing parcels 25-K-162, 25-K-164, 25-K-166, 25-K-168, 25-K-169, and 25-K-170 located at 2637-2641 Penn Avenue in the City of Pittsburgh, Allegheny County, Pennsylvania, is proposing to construct a condominium building. When complete, the project will include a total of 49 residential units and an office space for 13 employees on the bottom level.

The project involves site clearing and grubbing, site grading, building construction, site utilities, stormwater detention and conveyance system construction and other miscellaneous site improvements.

Anticipated water usage and sanitary flows were calculated in accordance with the PWSA Procedures Manual for Developers, revised April 2015 as indicated below.

**Proposed:**

$$\begin{array}{r} 49 \text{ condominium units at } 400 \text{ GPD/condominium unit} = 19,600 \text{ GPD} \\ 13 \text{ employees in office space at } 10 \text{ GPD/employee} = 130 \text{ GPD} \\ \hline \text{Total Sewage Flow} = 19,730 \text{ GPD} \end{array}$$

$$\text{Increase in Sewage Flow} = 19,730 \text{ GPD}$$

Sanitary sewage from the proposed building will be conveyed to the existing combination sewer located within Mulberry Way via a proposed sanitary lateral. A sanitary tap will be required. The present flows in the most restricted point of the combination sewer were calculated using survey data from measuring the flow depth at the most restricted point in the sewer per the water and sewer use application. The flow depth was measured at 6:00PM on 3/12/2020 and was measured at 3 inches. The inverts of the upstream manhole and manhole where the flow depth was measured were found from site survey data. The minimum slope for the 48 inch pipe was calculated at 0.23%.

The proposed building will be serviced by a water lateral that will tap off the water line on Penn Avenue. A new water tap will be required.

There will be no increase in storm water runoff from the proposed work due to the installation of an underground detention system. The stormwater flows are as follows:

$$\begin{array}{l} \text{Runoff Coefficient (C)} \quad 0.95 \\ \text{Rainfall Intensity (I)} \quad 7.13 \text{ in/hr} \\ \text{Area (A)} \quad \quad \quad 0.7 \text{ Acres} \\ \text{Runoff (Q)} = CIA \\ \quad \quad \quad = 0.95(7.13)(.7) \\ \quad \quad \quad \mathbf{Q = 4.74 \text{ cfs}} \end{array}$$

A new storm tap will be required.

# Channel Report

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc.

Friday, Mar 13 2020

## Forte Condominiums Sewer Flow Calculations - Peak Present Flow

### Circular

Diameter (ft) = 4.00

Invert Elev (ft) = 100.00

Slope (%) = 0.23

N-Value = 0.016

### Calculations

Compute by: Known Depth

Known Depth (ft) = 0.25

### Highlighted

Depth (ft) = 0.25

Q (cfs) = 0.449

Area (sqft) = 0.34

Velocity (ft/s) = 1.34

Wetted Perim (ft) = 2.04

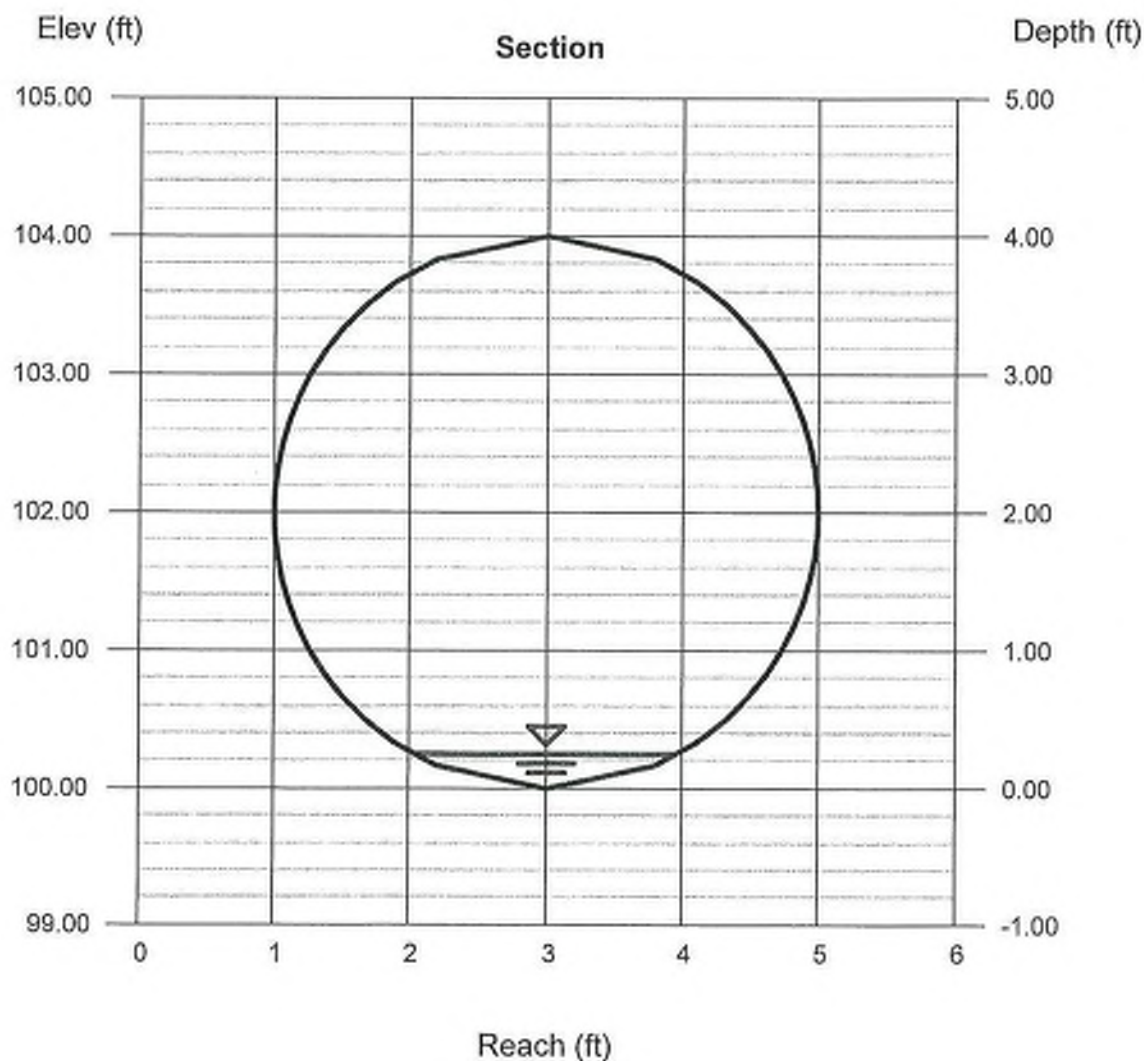
Crit Depth, Yc (ft) = 0.20

Top Width (ft) = 1.95

EGL (ft) = 0.28

PEAK  
PRESENT  
FLOW

Q = 290,197 GPD







H.F. LENZ  
COMPANY

Subject FORTE CONDOMINIUMS - SEWER CALCULATIONS  
HFL File No. 2019-0484.02 Scale N/A Sheet 1 of 1  
Calculated by JJS Date 3/13/2020 Checked by BJC Date 3/13/2020

PRESENT FLOWS

$$\begin{aligned} \text{PRESENT AVG. FLOW} &= \frac{\text{PRESENT PEAK FLOW}}{3.5 \text{ (COMBINED SEWER)}} = \frac{0.45 \text{ CFS}}{3.5} = \underline{0.13 \text{ CFS}} \\ &= \underline{84,022 \text{ GPD}} \end{aligned}$$

PROJECTED FLOWS

$$\begin{aligned} \text{PROJECTED PEAK FLOW} &= (\text{PRESENT PEAK FLOW} + \text{PROJECT FLOW}) \times 1.05 \\ &= (290,197 \text{ GPD} + 19,730 \text{ GPD}) \times 1.05 = \underline{325,424 \text{ GPD}} \\ &= \underline{0.51 \text{ CFS}} \end{aligned}$$

$$\begin{aligned} \text{PROJECTED AVG. FLOW} &= \frac{\text{PROJECTED PEAK FLOW}}{3.5 \text{ (COMBINED SEWER)}} \\ &= \frac{0.51 \text{ CFS}}{3.5} = \underline{0.15 \text{ CFS}} \\ &= \underline{96,948 \text{ GPD}} \end{aligned}$$

## Forte Condominiums

Depth (ft)	CALCULATED									
	Q (cfs)	Q (GPD)	Area (sqft)	Veloc (ft/s)	Wp (ft)	Yc (ft)	TopWidth (ft)	Energy (ft)		
0.40	1.18	761858.01	0.66	1.79	2.58	0.32	2.40	0.45		
0.80	4.95	3201225.26	1.80	2.75	3.72	0.65	3.21	0.92		
1.20	10.98	7095166.20	3.18	3.46	4.64	0.97	3.67	1.39		
1.60	18.88	12200067.20	4.70	4.02	5.48	1.28	3.92	1.85		
2.00	28.19	18216096.10	6.32	4.46	6.30	1.58	4.00	2.31		
2.40	37.74	24387210.60	7.89	4.78	7.10	1.83	3.92	2.76		
2.80	46.97	30351544.30	9.41	4.99	7.94	2.05	3.66	3.19		
3.20	54.73	35365978.70	10.78	5.08	8.86	2.22	3.20	3.60		
<b>3.60</b>	<b>59.67</b>	<b>38558157.30</b>	<b>11.92</b>	<b>5.01</b>	<b>10.00</b>	<b>2.33</b>	<b>2.39</b>	<b>3.99</b>	<b>PEAK FLOW</b>	
4.00	55.97	36167254.30	12.57	4.45	12.57	2.25	0.00	4.31		

**a. Design and/or Permitted Capacity (GPD)**

The Designed flow data was calculated with Manning's Equation as shown the table above utilizing the pipe slope, material, size and inverts. The inverts were found from site survey data. The minimum slope for the 48 inch pipe was calculated at 0.23%.

**b. Present Flows (gpd)**

The present flows were calculated using survey data from measuring the flow depth at the most restricted point in the sewer per the water and sewer use application provided by PWSA. The Peak flow was calculated to be 290,197 gallons per day. To determine the Average flow the peak was divided by 3.5 for the combination system.

**c. Projected Flows in 5 years (gpd)**

The projected flows were calculated using the Peak Present flow and increased by 5% per PWSA. This was then added to the proposed increase of flow for the proposed project. Which is calculated in narrative section of the sewer module (Tab 6)

The information represented as the Dry Weather Flow Calculation has been performed based on available information including field survey, record information and standard engineering practices and judgement.

Collection	Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
	11,016,616	38,558,157	84,022	290,197	96,948	325,424




**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

Forte Condominiums

**SECTION B. REVIEW SCHEDULE (See Section B of instructions)**
1. Date plan received by municipal planning agency 1-8-20202. Date review completed by agency 1-8-2020
**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 checked="" type="checkbox"/> | <input type="checkbox"/>            | 2. Is this proposal consistent with the comprehensive plan for land use?<br>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?<br>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?<br>If yes, describe impacts _____            |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 6. Will any known historical or archaeological resources be impacted by this project?<br>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?<br>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?<br>If no, describe the inconsistencies _____   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?                                 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 11. Have all applicable zoning approvals been obtained?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 12. Is there a municipal subdivision and land development ordinance?  |

SECTION C. AGENCY REVIEW (continued)	
Yes	No
<input checked="" type="checkbox"/>	<input type="checkbox"/>
	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>
	14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>
	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>
	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>
	If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____
	17. Name, title and signature of planning agency staff member completing this section: Name: <u>Martina Battistone</u> Title: <u>senior environmental planner</u> Signature: <u>Martina</u> Date: <u>1-8-20</u> Name of Municipal Planning Agency: <u>Dept. City Planning, Pittsburgh</u> Address: <u>200 Ross St. 4<sup>th</sup> Floor Pittsburgh, PA 15219</u> Telephone Number: <u>(412) 255-2516</u>
SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)	
This component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.	
The planning agency must complete this component within 60 days.	
This component and any additional comments are to be returned to the applicant.	



COUNTY OF



ALLEGHENY

RICH FITZGERALD  
COUNTY EXECUTIVE

January 9, 2020

Joshua J. Shearman, E.I.T.  
H.F. Lenz Company  
1407 Scalp Avenue  
Johnstown, PA 15904

**RE: SEWAGE FACILITIES PLANNING MODULE; Forte Condominiums,  
City of Pittsburgh, ALLEGHENY COUNTY**

Dear Mr. Shearman:

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 January 8, 2020. The project proposes the following:

Project Description:	Forte Condominiums. Proposing to construct a 49 residential units condominium building involving site clearing and grubbing, site grading, building construction, site utilities, stormwater detention and conveyance system construction and miscellaneous site improvements located at 2637-2641 Penn Avenue in the City of Pittsburgh, Allegheny County.
Sewage Flow:	19,600 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water & Sewer Authority (PWSA) collection system in Mulberry Way to ALCOSAN POC A-19Y to the Allegheny River interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN

Please be advised that a permit must be obtained from the Allegheny County Health Department's (ACHD) Plumbing Section prior to commencing any plumbing work for the proposed project. Plumbing work for which an ACHD Plumbing Permit must be obtained includes any plumbing work done on the site and any sewers, which will not be owned and operated by a municipality or a sewer authority.



KAREN HACKER, MD, MPH, 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.ACHD.NET



Mr. Joshua J. Shearman, E.I.T.  
January 9, 2020  
Page 2

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

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

Sincerely,



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

FF/cb  
Enclosure

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





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

---

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

---

### Background

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

### Who Should Complete the Component?

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

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

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

---

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

---

#### **Section A. Project Name**

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

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

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

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

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

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

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



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

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

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

Project Name

Forte Condominiums

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

1. Date plan received by county or joint county health department January 8, 2020

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency January 9, 2020

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

Yes No

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

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

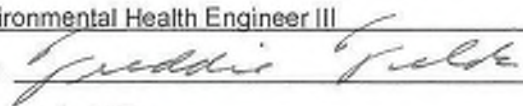
3. Is there any known groundwater degradation in the area of this proposal?  
If yes, describe \_\_\_\_\_

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

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

Name: Freddie Fields

Title: Environmental Health Engineer III

Signature: 

Date: January 9, 2020

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.





The owner/developer of existing parcels 25-K-162, 25-K-164, 25-K-166, 25-K-168, 25-K-169, and 25-K-170 located at 2637-2641 Penn Avenue in the City of Pittsburgh, Allegheny County, Pennsylvania, is proposing to construct a condominium building. When complete, the project will include a total of 49 residential units and an office space for 13 employees on the bottom level.

The project involves site clearing and grubbing, site grading, building construction, site utilities, stormwater detention and conveyance system construction and other miscellaneous site improvements.

Anticipated water usage and sanitary flows were calculated in accordance with the PWSA Procedures Manual for Developers, revised April 2015 as indicated below.

**Proposed:**

$$\begin{array}{r} 49 \text{ condominium units at } 400 \text{ GPD/condominium unit} = 19,600 \text{ GPD} \\ 13 \text{ employees in office space at } 10 \text{ GPD/employee} = 130 \text{ GPD} \\ \hline \text{Total Sewage Flow} = 19,730 \text{ GPD} \end{array}$$

$$\text{Increase in Sewage Flow} = 19,730 \text{ GPD}$$

Sanitary sewage from the proposed building will be conveyed to the existing combination sewer located within Mulberry Way via a proposed sanitary lateral. A sanitary tap will be required. The present flows in the most restricted point of the combination sewer were calculated using survey data from measuring the flow depth at the most restricted point in the sewer per the water and sewer use application. The flow depth was measured at 6:00PM on 3/12/2020 and was measured at 3 inches. The inverts of the upstream manhole and manhole where the flow depth was measured were found from site survey data. The minimum slope for the 48 inch pipe was calculated at 0.23%.

The proposed building will be serviced by a water lateral that will tap off the water line on Penn Avenue. A new water tap will be required.

There will be no increase in storm water runoff from the proposed work due to the installation of an underground detention system. The stormwater flows are as follows:

$$\begin{array}{l} \text{Runoff Coefficient (C)} \quad 0.95 \\ \text{Rainfall Intensity (I)} \quad 7.13 \text{ in/hr} \\ \text{Area (A)} \quad \quad \quad 0.7 \text{ Acres} \\ \text{Runoff (Q)} = CIA \\ \quad \quad \quad = 0.95(7.13)(.7) \\ \quad \quad \quad \mathbf{Q = 4.74 \text{ cfs}} \end{array}$$

A new storm tap will be required.



Sanitary sewage from the proposed building will be conveyed to the existing 15" combination sewer located within Mulberry Way via a proposed lateral. Upon completion of the building, the proposed condominium units will generate 19,730 gpd or 50 EDU's. Refer to the Project Narrative. This disposal method is the ultimate method which will serve the development beyond a five-year period.

The only potential alternative sewage disposal method for the proposed development would be the construction of an on-lot sewage system. This alternative was not feasible due to the small lot size for the project.





March 5, 2020

Joshua J. Shearman, E.I.T.  
H.F. Lenz Company  
1407 Scalp Avenue  
Johnstown, PA 15904

Subject: Water and Sewer (W/S) Use Approval  
Project Name: 2637 – 2641 Penn Avenue  
PWSA Project No.: 20013.28

Dear Joshua:

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

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
Project Flow	19730	19730	4.74
Existing Flow	0	0	
Net Flow	19730	19730	

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

Our review was based on information provided by the Applicant under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x5543 or BGrunauer@pgh2o.com.

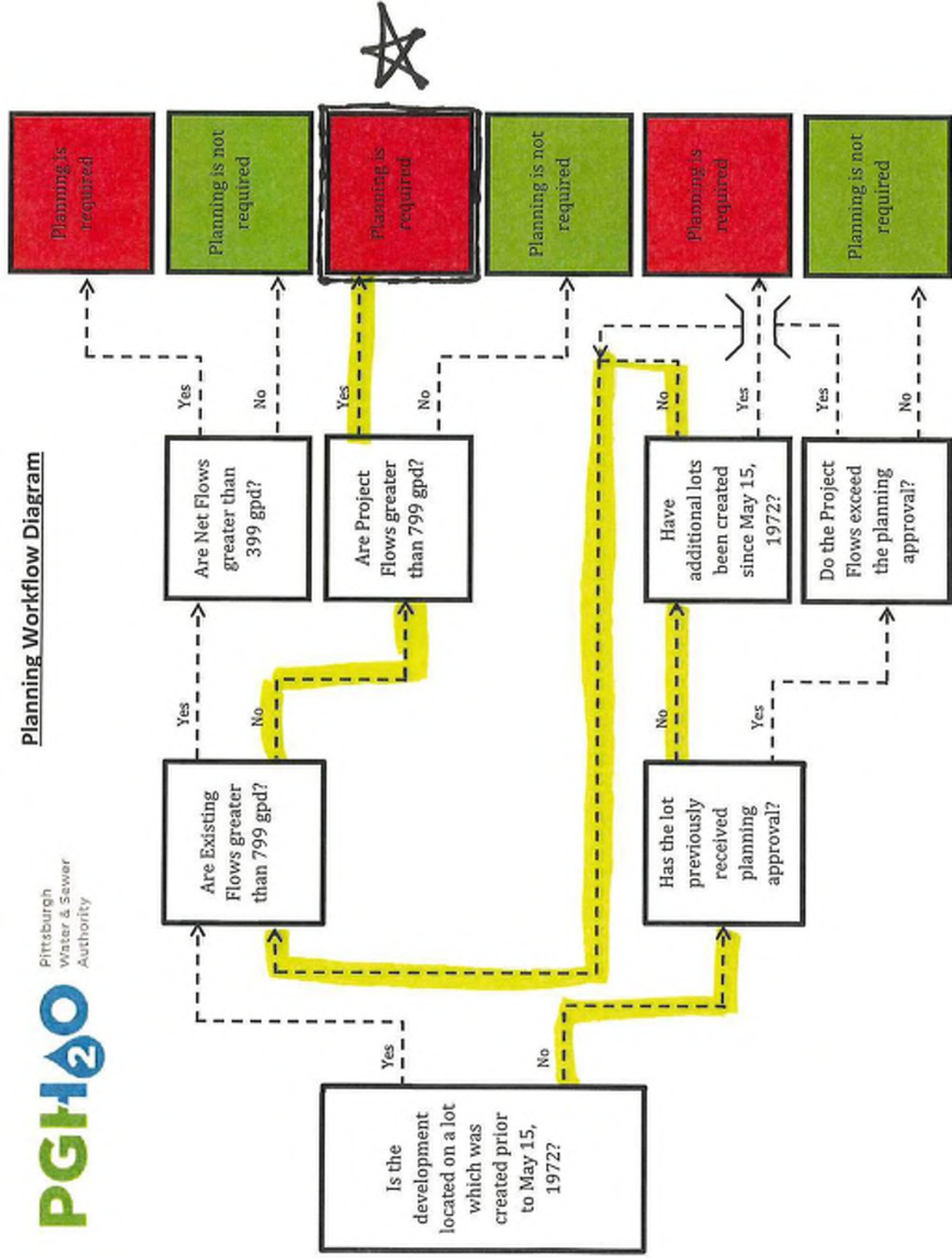
Sincerely,

Benjamin Grunauer, E.I.T.  
Engineer II

Enclosure(s)

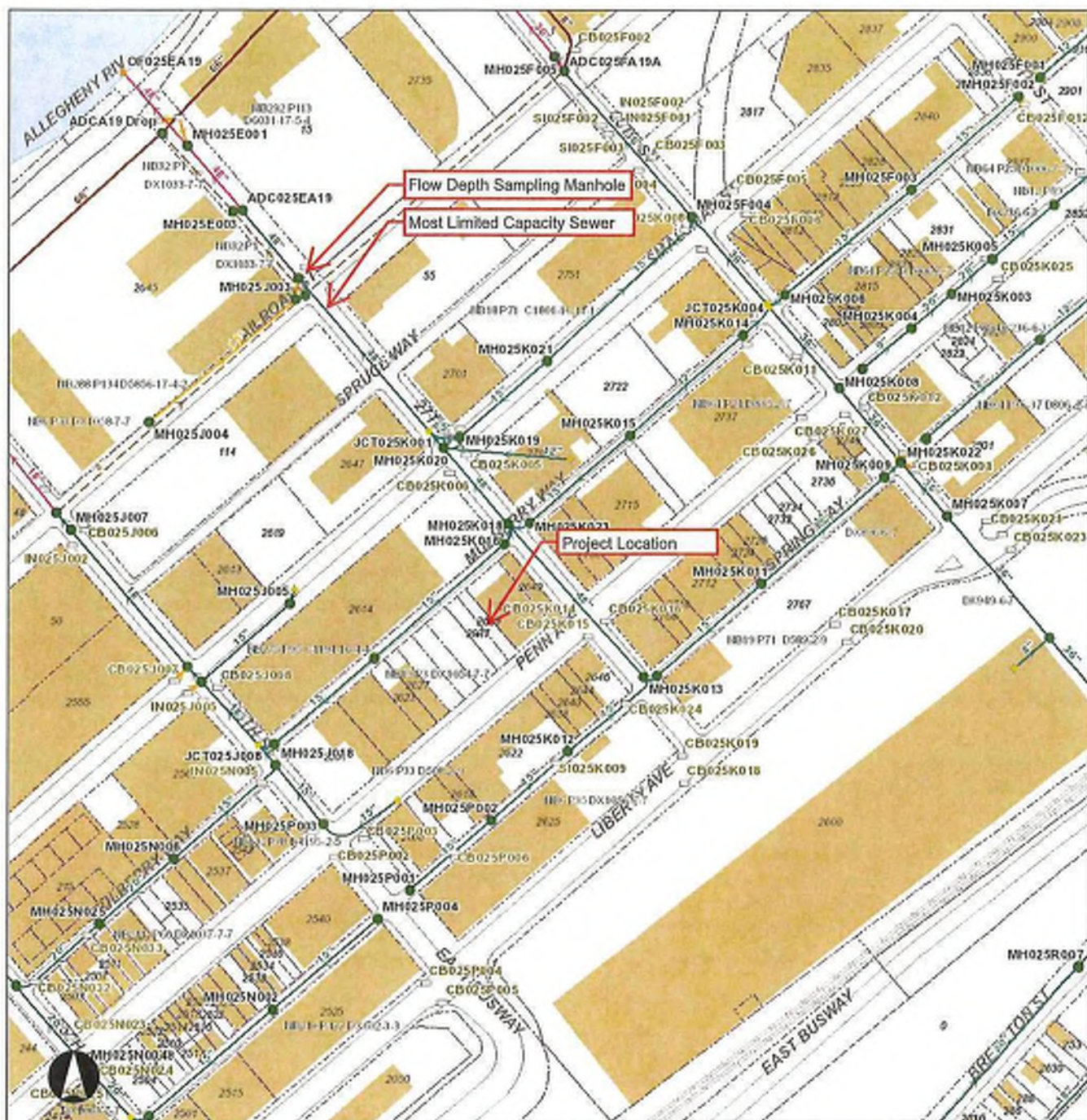
cc: Barry King, P.E. – PWSA (via email)  
Kate Mechler, P.E. – PWSA (via email)  
Robert Herring, P.E. – PWSA (via email)  
eBuilder – Filing System (via email)

Planning Workflow Diagram



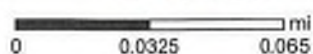


# MLCS MAP



## Legend

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



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. CDP and PWSA assume no responsibility for any understandings or representations made by their agents or employees unless such understandings or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefor is assumed by the City or the PWSA.

Date: 3/5/2020

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME: 2637 - 2641 Penn Avenue  
 PWSA PROJECT NUMBER: 20013.28  
 PWSA REVIEWER: Benjamin Grunauer, E.I.T.  
 DATE: March 5th, 2020

LEGEND: Output Data  
 Input Data  
 Questionable Data  
 Hydraulic Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpm
MH025K017	MH025K016	731.53	726.20	272.09	15	VCP	0.016	1.23	3.927	1.95%	4,761,038
MH025K016	MH025K018	724.00	722.00	35.40	15	VCP	0.016	1.23	3.927	5.65%	8,084,963
MH025K018	MH025K020	722.00	720.00	155.94	48		0.016	12.57	12.566	1.28%	85,656,683
MH025K020	JCT025K001	720.00	718.00	35.20	48	Brick	0.016	12.57	12.566	5.66%	180,288,767
JCT025K001	MH025J002	718.00	717.29	315.09	48	Brick	0.016	12.57	12.566	0.23%	35,903,288
MH025J002	ADC025EA19	717.08	716.10	138.76	48	Brick	0.016	12.57	12.566	0.71%	63,562,164





## WATER AND SEWER USE APPLICATION

Submit completed application and supplemental documentation to PWSA via e-builder. To obtain an e-builder project folder, make a request on our website at [www.pgh2o.com/permits](http://www.pgh2o.com/permits).

### GENERAL INFORMATION

1. Project Name Fortis Condominiums  
Project Address (use landmark if address not available)  
2637-2641 Penn Avenue, Pittsburgh, PA 15222  
Near the intersection of 27th Street and Penn Avenue.
2. Development Type: Check appropriate box and provide total flows.
- |   | Total Water Consumption (gpd) | Total Sanitary Flows (gpd)  | Total Storm Flows (cfs)     |
|---|-------------------------------|-----------------------------|-----------------------------|
| <input checked="" type="checkbox"/> Residential | <u>19,730</u>                 | <u>19,730</u>               | <u>4.74</u>                 |
| <input type="checkbox"/> Commercial             | <u>                    </u>   | <u>                    </u> | <u>                    </u> |
3. Fee Credit Flows (gpd): 0
4. Acreage of development: 0.7 acres
5. Allegheny County Block & Lot ID: 25-K-162, 25-K-164, 25-K-166, 25-K-168, 25-K-169, 25-K-170
6. Ownership of Land Development
- | Name                             | Address   |
|----------------------------------|---|
| <u>Solaris Ventures, VI, LLC</u> | <u>30 Weatherford Drive, Suite 217, Newtown, PA 15940</u> |

### A. WASTEWATER AND STORMWATER FACILITIES

Provide information on collection and treatment facilities.

1. COLLECTION SYSTEM
- a. Number of proposed connections (sanitary and/or storm) 2 (1 storm, 1 sanitary)
- b. Name of existing collection or conveyance system 15" Combination Sewer in Mulberry Way
- c. Name of interceptor Allegheny River Interceptor

### B. APPLICANT INFORMATION AND SIGNATURE (Owner, developer or responsible agent)

Name (print) Joshua Shearman Firm/Agency Name H.F. Lenz Company  
Address 1407 Scarp Avenue, Johnstown, PA 15904  
Best Contact Phone Number 814-269-9300 Email jshearman@hflenx.com

I verify that the statements made in this application are true and correct to the best of my knowledge, information, and belief.

Joshua J Shearman

Signature

1/30/2020

Date



The owner/developer of existing parcels 25-K-162, 25-K-164, 25-K-166, 25-K-168, 25-K-169, and 25-K-170 located at 2637-2641 Penn Avenue in the City of Pittsburgh, Allegheny County, Pennsylvania, is proposing to construct a condominium building. When complete, the project will include a total of 49 residential units and an office space for 13 employees on the bottom level.

The project involves site clearing and grubbing, site grading, building construction, site utilities, stormwater detention and conveyance system construction and other miscellaneous site improvements.

Anticipated water usage and sanitary flows were calculated in accordance with the PWSA Procedures Manual for Developers, revised April 2015 as indicated below.

**Proposed:**

49 condominium units at 400 GPD/condominium unit = 19,600 GPD

13 employees in office space at 10 GPD/employee = 130 GPD

**Total Sewage Flow = 19,730 GPD**

**Increase in Sewage Flow = 19,730 GPD**

Sanitary sewage from the proposed building will be conveyed to the existing combination sewer located within Mulberry Way via a proposed sanitary lateral. A sanitary tap will be required.

The proposed building will be serviced by a water lateral that will tap off the water line on Penn Avenue. A new water tap will be required.

There will be no increase in storm water runoff from the proposed work due to the installation of an underground detention system. The stormwater flows are as follows:

Runoff Coefficient (C) 0.95

Rainfall Intensity (I) 7.13 in/hr

Area (A) 0.7 Acres

Runoff (Q) = CIA

$$= 0.95(7.13)(.7)$$

$$Q = 4.74 \text{ cfs}$$

A new storm tap will be required.





## WATER AND SEWER AVAILABILITY LETTER REQUEST

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

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

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

Please email the completed form to: [permitinfo@pgh2o.com](mailto:permitinfo@pgh2o.com)

<b>Information to be submitted by the Applicant:</b>			
Property Owner Name:	Solara Ventures, VII, LLC		
Address of Property:	2637-2641 Penn Avenue, Pittsburgh, PA 15222		
Proposed Use of Site:	Condominium Building		
Closest street intersection to the property:	27th Street and Penn Avenue		
<b>Requester Information</b>			
Name:	Joshua Shearman	Date of Request:	1/8/2020
Address:	1407 Scalp Avenue, Johnstown, PA 15904		
Phone Number:	814-269-9300		
Email Address:	jshearman@hflenz.com		
Preferred Method of Delivery:	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail		
<b>PWSA Use Only:</b>			
PWSA Water Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Size / Location:	12" Penn Avenue
PWSA Sewer Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Size / Location:	15" Mulberry Way
Applicant must contact separate agency for water and/or sewer service:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Name of separate agency:	_____		
PWSA Approval:	Signature and Date: <u>Wendy M. Dean</u>		
	Name (printed): <u>Wendy M. Dean</u>		
	Title: <u>Engineering Tech II</u>		

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



January 8, 2020

Joshua Shearman  
1407 Scalp Avenue  
Johnstown, PA 15904

**RE: Water and Sewer Availability**  
2637 – 2641 Penn Avenue

Dear Mr. Shearman:

In response to your inquiry on 1/8/2020 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

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

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

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

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

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

Sincerely,

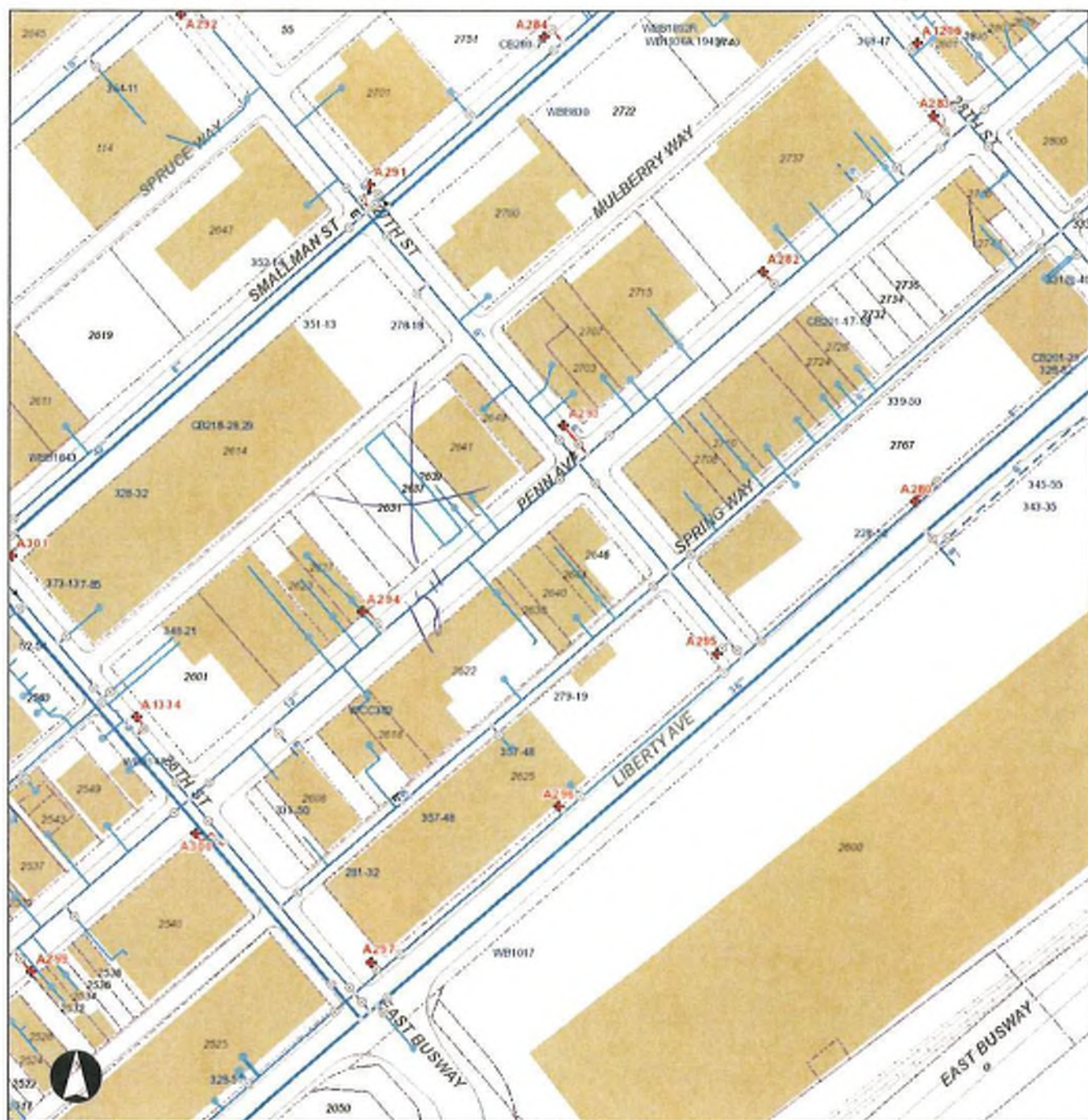
A handwritten signature in blue ink that reads 'Wendy M. Dean'.

Wendy M. Dean  
Engineering Tech II

cc: PWSA File



## 2637 - 2641 Penn Avenue - Water



### Legend

○	Water Manhole	○	Outfall
⊕	Meter	—	Rising Main
⊞	Pump	—	Supply Main
⊕	Hydrant	—	Transmission Main
⊕	Hydrant - Out of Service	—	Distribution Main
⊕	System Valve	—	Hydrant Branch
⊕	Dividing Pressure Valve	—	Private Main
⊕	Cap	—	Water Service Line
⊕	Tee or Cross	●	Manhole
⊕	Reducer	●	Junction
⊕	Coupling	○	Inlet
⊕	Wash Out	○	Private Inlet
⊕		⊕	Sewer Pump Station
⊕		—	Combined Sewer
⊕		—	Sanitary Sewer
⊕		—	Storm Sewer
⊕		—	Regulated Combined Sewer
⊕		—	Overflow Sewer
⊕		—	Interceptor
⊕		—	Sewer Force Main
⊕		—	Private Sewer
⊕		—	Undefined Sewer

0 100 200 Feet

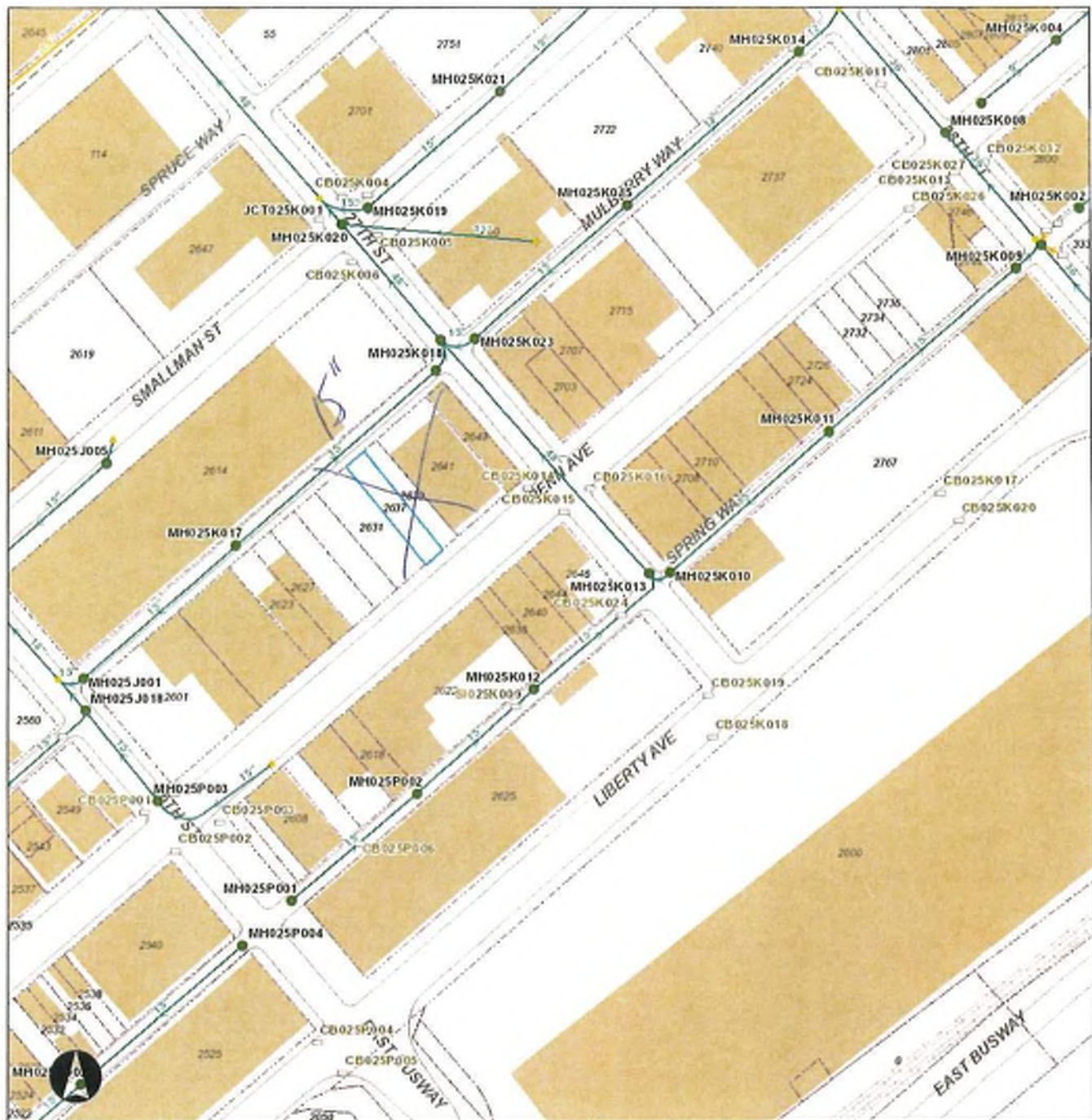
**PGH<sub>2</sub>O**

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 misunderstanding or representations made by their agents or employees unless such understanding or representation are expressly set forth in a duly substantiated written document, and such document expressly provides that responsibility therefor is assumed by the City of the PWSA.

Date: 1/6/2020



# 2637 - 2641 Penn Avenue - Sewer



## Legend

○ Meter	○ Water Manhole	■ Outfall
⊞ Pump	— Rising Main	⊕ End Cap
⊕ Hydrant	— Supply Main	⊞ Sewer Pump Station
⊕ Hydrant - Out of Service	— Transmission Main	— Combined Sewer
⊙ System Valve	— Distribution Main	— Sanitary Sewer
⊙ Dividing Pressure Valve	— Hydrant Branch	— Storm Sewer
⊕ Cap	— Private Main	— Regulated Combined Sewer
— Tee or Cross	— Water Service Line	— Overflow Sewer
— Reducer	● Manhole	— Interceptor
— Coupling	● Junction	— Sewer Force Main
— Wash Out	○ Inlet	— Private Sewer
	— Private Inlet	— Undefined Sewer



**PGH<sub>2</sub>O**

Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information herein 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 under-estimating or representations made by their agents or employees unless such under-estimating or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefor is assumed by the City or the PWSA.

Date: 1/8/2020



**Shearman, Joshua J.**

---

**From:** Battistone, Martina <martina.battistone@pittsburghpa.gov>  
**Sent:** Wednesday, January 8, 2020 4:41 PM  
**To:** Shearman, Joshua J.  
**Cc:** Clement, Bryan J.; Muha, Kerri K.  
**Subject:** RE: Forte Condominiums Sewage Facilities Planning Module Component 4A - HFL File: 2019-0484.02  
**Attachments:** Forte Condominiums 4A.pdf

Joshua,  
Please see attached for completed Component 4A for the Forte Condominiums project.

Let me know if you need anything else.

Best,  
Marti

**From:** Shearman, Joshua J. <JShearman@hflenz.com>  
**Sent:** Wednesday, January 8, 2020 11:37 AM  
**To:** Battistone, Martina <martina.battistone@pittsburghpa.gov>  
**Cc:** Clement, Bryan J. <BClement@hflenz.com>; Muha, Kerri K. <KMuha@hflenz.com>  
**Subject:** Forte Condominiums Sewage Facilities Planning Module Component 4A - HFL File: 2019-0484.02

Dear Ms. Battistone,

We are requesting your assistance in completing a Sewage Facilities Planning Module Component 4A for a project at 2637-2641 Penn Avenue in the City of Pittsburgh. Please find attached the Component 4A. We have also sent a hardcopy for your convenience. Please return the completed component to our office at your earliest convenience. Should you have any questions or require additional information, please feel free to contact our office.

Thanks,

**Joshua J. Shearman, E.I.T.**  
GIS Technician  
H.F. Lenz Company  
Phone: 814-269-9300 x288  
Email: [JSHEARMAN@HFLENZ.COM](mailto:JSHEARMAN@HFLENZ.COM)

COUNTY OF



ALLEGHENY

RICH FITZGERALD  
COUNTY EXECUTIVE

January 9, 2020

Joshua J. Shearman, E.I.T.  
H.F. Lenz Company  
1407 Scalp Avenue  
Johnstown, PA 15904

**RE: SEWAGE FACILITIES PLANNING MODULE; Forte Condominiums,  
City of Pittsburgh, ALLEGHENY COUNTY**

Dear Mr. Shearman:

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 January 8, 2020. The project proposes the following:

Project Description:	Forte Condominiums. Proposing to construct a 49 residential units condominium building involving site clearing and grubbing, site grading, building construction, site utilities, stormwater detention and conveyance system construction and miscellaneous site improvements located at 2637-2641 Penn Avenue in the City of Pittsburgh, Allegheny County.
Sewage Flow:	19,600 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water & Sewer Authority (PWSA) collection system in Mulberry Way to ALCOSAN POC A-19Y to the Allegheny River interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN

Please be advised that a permit must be obtained from the Allegheny County Health Department's (ACHD) Plumbing Section prior to commencing any plumbing work for the proposed project. Plumbing work for which an ACHD Plumbing Permit must be obtained includes any plumbing work done on the site and any sewers, which will not be owned and operated by a municipality or a sewer authority.



KAREN HACKER, MD, MPH, 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.ACHD.NET





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 call Ivo Miller, Plumbing Program Manager at 412-578-8393.

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

Sincerely,



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

FF/cb  
Enclosure

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



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

---

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

---

### Background

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

### Who Should Complete the Component?

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

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

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

---

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

---

#### **Section A. Project Name**

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

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

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

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

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

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

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



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

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

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

Project Name

Forte Condominiums

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

1. Date plan received by county or joint county health department January 8, 2020

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency January 9, 2020

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

Yes No

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

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

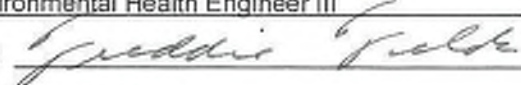
3. Is there any known groundwater degradation in the area of this proposal?  
If yes, describe \_\_\_\_\_

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

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

Name: Freddie Fields

Title: Environmental Health Engineer III

Signature: 

Date: January 9, 2020

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.

## 1. PROJECT INFORMATION

Project Name: **Forte Condominiums**

Date of Review: **1/7/2020 10:20:30 AM**

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

Project Area: **0.85 acres**

County(s): **Allegheny**

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

ZIP Code: **15222**

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

Watersheds HUC 8: **Lower Allegheny**

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

Decimal Degrees: **40.455808, -79.977686**

Degrees Minutes Seconds: **40° 27' 20.9099" N, 79° 58' 39.6712" 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	<b>Conservation Measure</b>	<b>No Further Review Required, See Agency Comments</b>
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

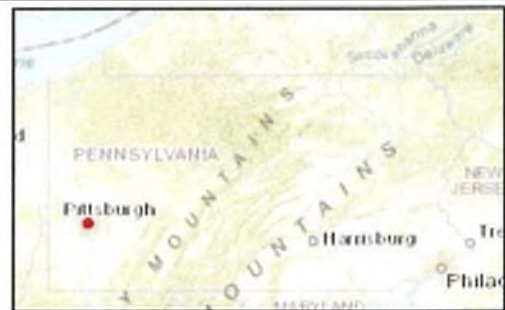
Pennsylvania Natural Diversity Inventory (PNDI) records indicate that while threatened and endangered and/or special concern species and resources are in the project vicinity and that recommended Conservation Measures should be implemented in their entirety to avoid and minimize impacts to these species, no further coordination is required with the jurisdictional agencies. If a DEP permit is required for this project, DEP has the discretion to incorporate one or more Conservation Measures into its permit. This response does not reflect potential agency concerns regarding potential impacts to other ecological resources, such as wetlands.



## Forte Condominiums



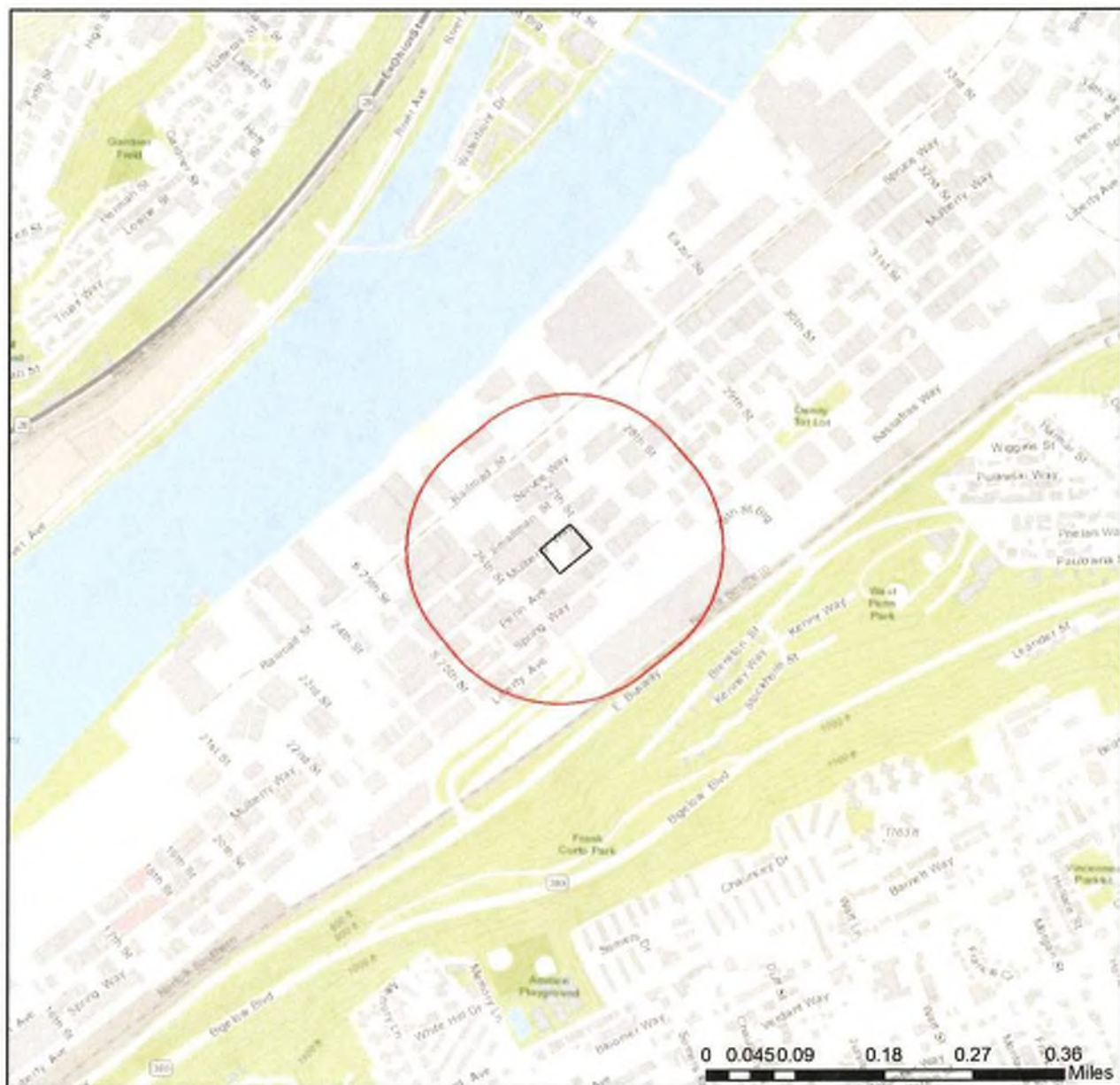
- Project Boundary
- Buffered Project Boundary



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



## Forte Condominiums



- Project Boundary
- Buffered Project Boundary

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





## RESPONSE TO QUESTION(S) ASKED

**Q1:** The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).

**Your answer is:** The project will affect 1 to 39 acres of forests, woodlots and trees.

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

**Your answer is:** No

### 3. AGENCY COMMENTS

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

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

#### PA Game Commission

##### RESPONSE:

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

#### PA Department of Conservation and Natural Resources

##### RESPONSE:

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

#### PA Fish and Boat Commission

##### RESPONSE:

Conservation Measure: The natural flow regime and water quality in this watershed are important to maintaining habitats occupied by rare fish and mussels. PFBC recommends that you take measures to maintain a natural flow regime, high water quality, and quantity. Maintenance or restoration of the riparian corridor will aid in connecting habitats and improving water quality and quantity for fish and mussels. PFBC recommends retaining (or restoring, if not already present) a riparian buffer (100 to 300 feet, if possible) on each side of the waterway (river, stream, creek). This buffer should be vegetated with native plant species. When adequately vegetated, this upland buffer will act to stabilize the streambanks (preventing or minimizing erosion), and filter pollutants (e.g., sediment, fertilizers, pesticides, road salt, oil). Where streambanks have become badly eroded (e.g., due to previous removal of native riparian vegetation), streambank fencing and/or bioengineering restoration techniques are recommended (geotextile, root wads, vegetative stabilization), rather than riprapping the streambanks; removing gravel bars; or attempting to dredge, ditch, channelize, or widen the stream. Use stringent erosion and sedimentation controls before, during, and after project implementation to ensure that sediment and contaminants do not enter any waterway(s) (rivers, creeks, streams, tributaries) or waterbodies (lakes, ponds).

**PFBC Species:** (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name	Common Name	Current Status
<i>Oblivaria reflexa</i>	Threehorn Wartyback	Special Concern Species*

## 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.

\* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

\*\* Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

## 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: [BA-HeritageReview@pa.gov](mailto:BA-HeritageReview@pa.gov)

### U.S. Fish and Wildlife Service

Pennsylvania Field Office  
Endangered Species Section  
110 Radnor Rd; Suite 101  
State College, PA 16801  
NO Faxes Please

### PA Fish and Boat Commission

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

### PA Game Commission

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

## 7. PROJECT CONTACT INFORMATION

Name: JOSHUA J. SHEARMAN, E.I.T.  
Company/Business Name: H.F. LENZ COMPANY  
Address: 1407 SCALP AVENUE  
City, State, Zip: JOHNSTOWN, PA 15904  
Phone: (814) 269-9300 Fax: (814) 269-9301  
Email: jshearman@hflenz.com

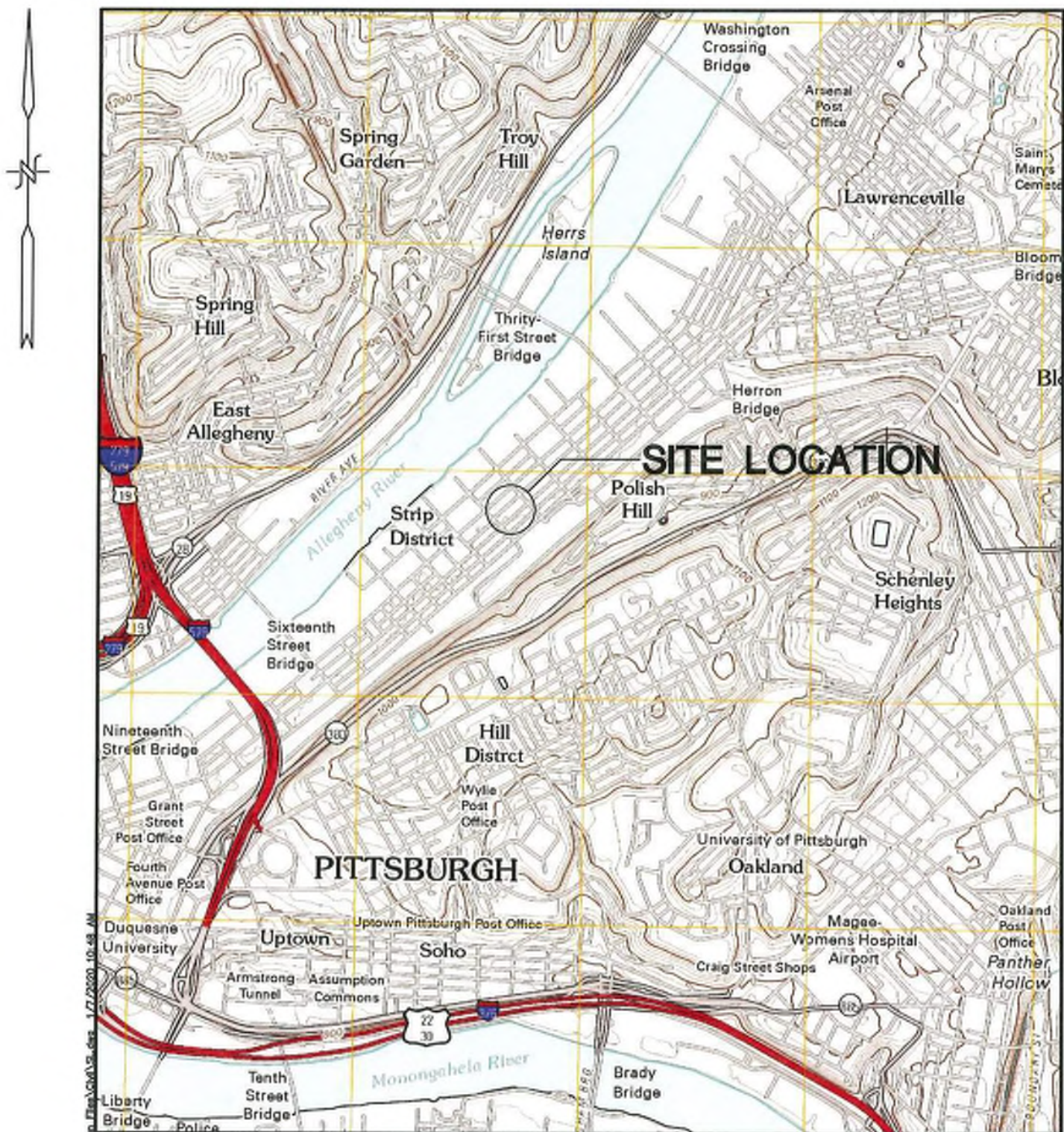
## 8. CERTIFICATION

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.

  
applicant/project proponent signature

1/7/2020  
date





INFORMATION TAKEN FROM UNITED STATES  
 GEOLOGICAL SURVEY 7.5 MINUTE SERIES  
 QUAD SHEET - PITTSBURGH EAST, PA - 2010

SCALE: 1" = 2000'

## LOCATION MAP

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