

Sewage Facilities Planning Module Application Packages

for

Hilltop Alliance Sites

City of Pittsburgh
Allegheny County, PA

July 28, 2022

Prepared for:

Gatesburg Road Development

2121 Old Gatesburg Road
State College, PA 16803

Prepared by:

FAHRINGER, McCARTY, GREY, INC.
LANDSCAPE ARCHITECTS & ENGINEERS
1610 Golden Mile Highway
Monroeville, PA 15146
(724) 327-0599

Job No. 5120-02

Table of Contents

- ❖ Sewage Facilities Planning Module
 - Component 3 – Hilltop Alliance Sites
- ❖ Section C – Availability of Drinking Supply
 - Availability Letters from PWSA:
 - 719 Eureka
- ❖ Section F – Project Narrative
 - Written Narrative
 - Location Map
- ❖ Section G – Proposed Wastewater Disposal Facilities
 - Item 3 – Tap-in Plans

 - Item 7 - Protection of Rare, Endangered or Threatened Species
 - Pennsylvania Natural Diversity Inventory
- ❖ Section H – Project Alternatives Analysis
- ❖ Section J - Consistency Determination
 - PWSA Tap Authorization Letter
- ❖ Consistency Components
 - Component 4A – Municipality Planning Agency Review
 - Component 4C – County Health Agency Review

**SEWAGE FACILITIES PLANNING MODULE –
COMPONENT 3**

| |
|----------|
| Code No. |
|----------|



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

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

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 Hilltop Alliance Sites

2. Brief Project Description

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 Environmental Planner |

| | | | | |
|---------------------------------|------------|----|--------|-------|
| Additional Individual Last Name | First Name | MI | Suffix | Title |
|---------------------------------|------------|----|--------|-------|

| | |
|-------------------------------------|------------------------|
| Municipality Mailing Address Line 1 | Mailing Address Line 2 |
| 200 Ross Street | |

| | | |
|---------------------------|-------|-------|
| Address Last Line -- City | State | ZIP+4 |
| Pittsburgh | PA | 15219 |

| | | |
|--------------------------|----------------|------------------|
| Area Code + Phone + Ext. | FAX (optional) | Email (optional) |
| 412-255-2516 | | |

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Hilltop Alliance Sites

Site Location Line 1
719 Eureka Street

Site Location Line 2

Site Location Last Line -- City
Pittsburgh

State
PA

ZIP+4
15210

Latitude
40°25'26.72"N

Longitude
79°59'36.35"W

Detailed Written Directions to Site From Downtown Pittsburgh, take the Armstrong Tunnel south to S. 10th St. Turn left onto Freyburg St. Turn right onto S. 12th St, which becomes Brosville St. Turn right onto Allen St, and left onto Eureka Street.

Description of Site Proposed project includes a single family residential lot which will be subdivided into two lots. Each new lot will contain one single-family residential unit.

Site Contact (Developer/Owner)

| | | | | | |
|-----------|------------|----|--------|--------------|------|
| Last Name | First Name | MI | Suffix | Phone | Ext. |
| Lovrak | Cory | | | 814-272-8945 | |

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

Construction Manager Gatesburg Road Development

FAX Email
clovrak@gatesburgroaddevelopment.com

Mailing Address Line 1 Mailing Address Line 2

2121 Old Gatesburg Road

Mailing Address Last Line -- City
State College

State
PA

ZIP+4
16803

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

| | | | |
|-----------|------------|----|--------|
| Last Name | First Name | MI | Suffix |
| Almeter | Brian | | |

Title Consulting Firm Name

Project Landscape Architect Fahringer, McCarty, Grey, Inc.

Mailing Address Line 1 Mailing Address Line 2

1610 Golden Mile Highway

Address Last Line -- City

State

ZIP+4

Country

Monroeville

PA

15146

US

| | | | |
|-------------------|-------------------|------|-----------------|
| Email | Area Code + Phone | Ext. | Area Code + FAX |
| almeter@fmginc.us | 724-327-0599 | | |

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 _____

Connections _____

Name of:

existing collection or conveyance system Millbridge St. 15" VCP

owner Pittsburgh Water and Sewer Authority

existing interceptor Ohio River Interceptor

owner Alcosan

2. WASTEWATER TREATMENT FACILITY

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

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

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

Name of existing facility Alcosan

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number _____

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

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

As an authorized representative of the permittee, I confirm that the Alcosan
(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 Courtney Dumm, E.F.T.

Agent Signature Courtney Dumm Date 06/08/2022

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

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

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

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____.

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

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

Name of Permittee Agency, Authority, Municipality _____

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

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

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

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

1. Project Flows 800 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 | 2944571 | 10305997 | 89542 | 313396 | 94259 | 329906 |
| Conveyance | | 7,110,000 | 1,150,000 | 1,330,000 | 1,162,308 | 1,344,108 |
| Treatment | | 250,000,000 | 191,500,000 | 250,000,000 | 228,342,000 | 295,200,000 |

3. Collection and Conveyance Facilities

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

YES NO

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

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

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

b. Collection System

Name of Agency, Authority, Municipality PWSA

Name of Responsible Agent Robert Herring

Agent Signature  Date 5/31/2022

Robert Herring
2022.05.31 08:36:38 -
04'00'

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

c. Conveyance System

Name of Agency, Authority, Municipality Alcosan

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

Agent Signature *Courtney Dumm*

Date 06/08/2022

4. Treatment Facility

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

YES NO

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

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

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

b. Name of Agency, Authority, Municipality Alcosan

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

Agent Signature *Courtney Dumm*

Date 06/08/2022

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

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

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

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

L. PERMEABILITY TESTING (See Section L of instructions)

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

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

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

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

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

O. SEWAGE MANAGEMENT (See Section O of instructions)

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

Yes No

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

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

2. Project Flows _____ gpd

Yes No

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

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

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

b. Collection System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

c. Conveyance System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

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

Yes No

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

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

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

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

(For completion by the municipality)

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

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

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

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

Yes No

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

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

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

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

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

| | |
|--------------------------|----------------------|
| Kate Zakowski | <u>Kate Zakowski</u> |
| Name (Print) | Signature |
| Landscape Architect | <u>05/04/22</u> |
| Title | Date |
| 1610 Golden Mile Highway | <u>724-327-0599</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 \$100 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 Allegheny County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

1. For a new collection system (with or without a Clean Streams Law Permit), a collection system extension, or individual tap-ins to an existing collection system use this formula.

$$\#2 \text{ Lots (or EDUs) X } \$50.00 = \$ 100$$

The fee is based upon:

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

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

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

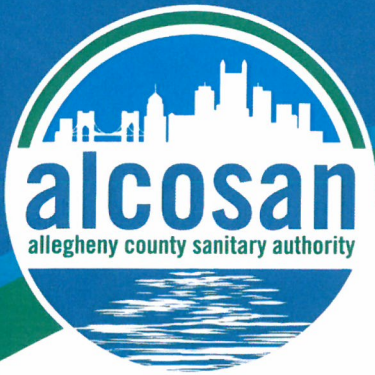
- B. An increase in an existing surface discharge will use:

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

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

The fee is based upon:

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



June 8, 2022

Members of the Board

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

Arletta Scott Williams
Executive Director

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

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

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

Karen Fantoni, CPA, CGMA
*Director
Finance*

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

Jeanne K. Clark
*Director
Governmental Affairs*

Joseph Vallarian
*Director
Communications*

Julie Motley-Williams
*Director
Administration*

Kate Zakowski
Fahringer, McCarty, Grey, Inc.
1610 Golden Mile Highway
Monroeville, PA 15146

**Re: 719 Eureka Street Project
Allentown, City of Pittsburgh – Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure S-32-00**

Dear Ms. Zakowski,


We have reviewed the Component 3 Planning Module for the referenced project to be located at 719 Eureka Street in the Allentown neighborhood of the 18th Ward of the City of Pittsburgh. The project will generate a peak flow of 800 gpd in the ALCOSAN Saw Mill Run Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN S-32-00 regulator structure is approximately 7.11 MGD. The estimated peak dry weather flow is approximately 1.33 MGD. Therefore, dry weather capacity exists for this connection. However, the Saw Mill Run Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN requests that this letter be made part of the planning module submission. The signed Component 3 Planning Module is attached. If you have any questions regarding this matter, please contact me at 412-314-4239.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY



Courtney Dumm, E.I.T.

Attachment

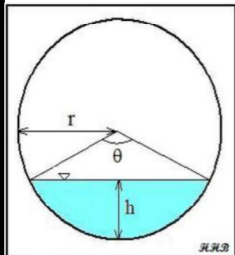
cc: C. Dean (w/o attachment) Barry King/ PWSA (w/o attachment)
D. Thornton (w/o attachment) Thomas Flanagan/PADEP (w/o attachment)
M. Lichte (w/o attachment) Fred Fields/ACHD (w/o attachment)

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

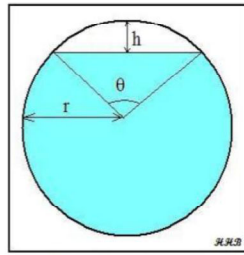
PROJECT NAME: 719 Eureka St
PWSA PROJECT NUMBER: SFPM-30-0422
PWSA REVIEWER: Shannon Connell, EIT
DATE: May 17, 2022

LEGEND: Input Data Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters
(Less Than Half Full)



Partially Full Pipe Flow Parameters
(More Than Half Full)

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

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

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

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

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

OR

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

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

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

Section B: Data for Calculations

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

| Proposed Project Flows | | |
|------------------------|-------|-------|
| Variable | Value | Units |
| Q _p | 800 | gpd |

| Variable | Value | Units |
|----------|-------|----------|
| Material | VCP | |
| n | 0.015 | unitless |
| S | 0.081 | ft/ft |
| h | 0.149 | ft |
| D | 1.25 | ft |
| P.F. | 3.5 | unitless |

Section C: Calculations for Design and/or Permitted Capacities

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

| Design Capacity, Average | | |
|--------------------------|-----------|------|
| Variable | Value | Unit |
| Q _{d, avg} | 2,944,778 | gpd |

| Design Capacity, Peak | | |
|-----------------------|------------|-----------------|
| Variable | Value | Unit |
| D | 1.250 | ft |
| r | 0.625 | ft |
| A | 1.227 | ft ² |
| P | 3.927 | ft |
| R | 0.313 | ft |
| Q _{d, peak} | 16 | cfs |
| Q _{d, peak} | 10,306,721 | gpd |

Section D: Calculations for Present Flows

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

| Present Flows, Average | | |
|------------------------|--------|------|
| Variable | Value | Unit |
| Q _{ex, avg} | 89,025 | gpd |

| Present Flows, Peak | | |
|-----------------------|-------------|-----------------|
| Variable | Value | Unit |
| D | 1.250 | ft |
| r | 0.625 | ft |
| θ | 1.41 | rad |
| h/D | 0.119333333 | ft/ft |
| A | 0.08 | ft ² |
| P | 0.88 | ft |
| R | 0.094 | ft |
| Q _{ex, peak} | 0 | cfs |
| Q _{ex, peak} | 311,588 | gpd |

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

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

| Projected Flow Calculations | | |
|-----------------------------|---------|------|
| Variable | Value | Unit |
| Q _{proj, avg} | 93,717 | gpd |
| Q _{proj, peak} | 328,008 | gpd |

Section F: Compare Results with Applicant's Submission

| Variable | PWSA, gpd | Applicant, gpd | Difference, gpd | Difference, % |
|-------------------------|------------|----------------|-----------------|---------------|
| Q _{d, avg} | 2,944,778 | 2,944,571 | 207 | 0% |
| Q _{d, peak} | 10,306,721 | 10,305,997 | 724 | 0% |
| Q _{ex, avg} | 89,025 | 89,542 | -517 | -1% |
| Q _{ex, peak} | 311,588 | 313,396 | -1,808 | -1% |
| Q _{proj, avg} | 93,717 | 94,259 | -542 | -1% |
| Q _{proj, peak} | 328,008 | 329,906 | -1,898 | -1% |

SECTION C – AVILABILITY OF DRINKING SUPPLY

October 22, 2021

Fahringer McCarty, Grey, INC
Kate Zakowski
1610 Golden Mile Highway
Monroeville, PA 15146

RE: Water and Sewer Availability
Mclain Street, Eureka Street, Peirel Way, Renwick Street

Dear Ms. Zakowski,

In response to your inquiry on 10/20/2021 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

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

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

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

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

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

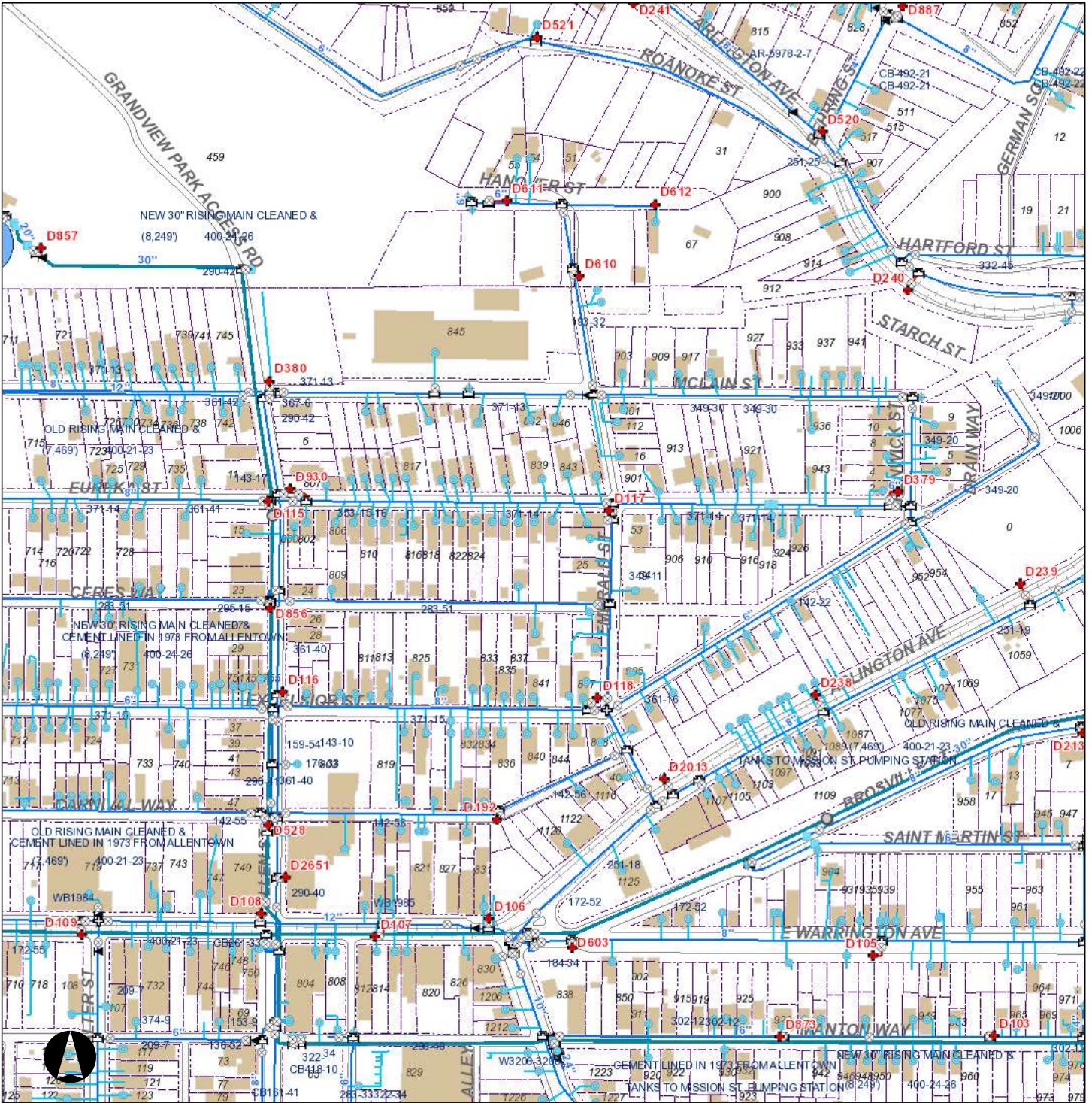
Sincerely,



Wendy M. Dean
Engineering Tech II

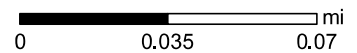
cc: PWSA File

McClain St, Eureka St Etc. - Water



Legend

- | | | |
|--------------|--------------|--|
| | | |
| WATER | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 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. COP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefore is assumed by the City or the PWSA.

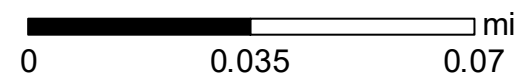
Date: 10/22/2021

McClain St, Eureka St Etc. - Sewer



Legend

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



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

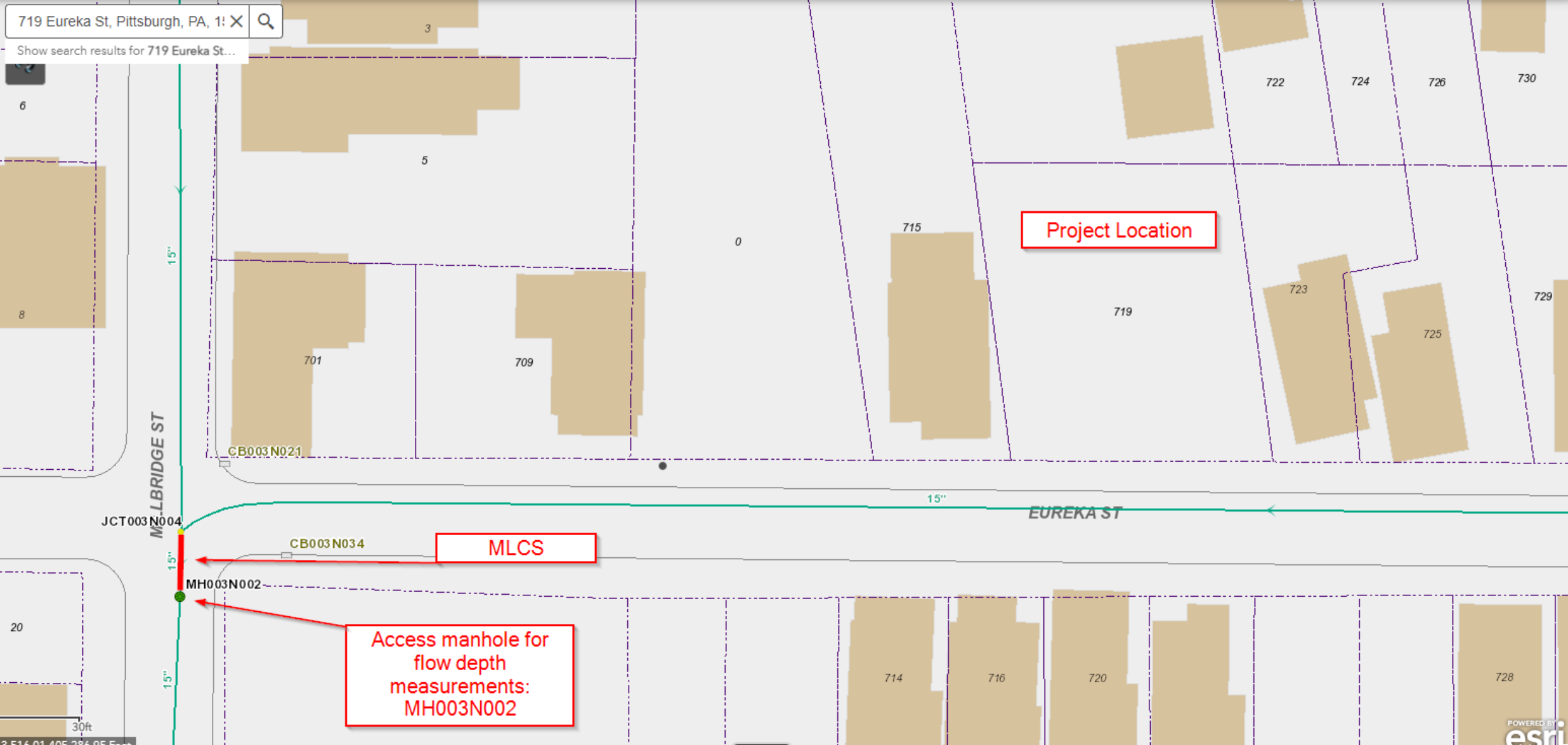
Date: 10/22/2021

Most Limited Capacity Sewer (MLCS) Spreadsheet

| | |
|-----------------------------|----------------------|
| PROJECT NAME: | 719 Eureka Street |
| PWSA PROJECT NUMBER: | SFPM-30-0422 |
| PWSA REVIEWER: | Shannon Connell, EIT |
| DATE: | April 7, 2022 |

| | |
|----------------|-----------------------------|
| LEGEND: | Output Data |
| | Input Data |
| | Questionable Data |
| | Hydraulically Limited Sewer |

| Upstream MH | Downstream MH | Upstream Invert | Downstream Invert | Length, ft | Diam., in. | Material | n | Area, sf | Wetted P, ft | Slope | Flow, gpd |
|-------------|---------------|-----------------|-------------------|------------|------------|----------|-------|----------|--------------|--------|-------------|
| MH003P006 | JCT003N004 | 494.26 | 477.81 | 538.26 | 15 | VCP | 0.015 | 1.23 | 3.927 | 3.06% | 6,342,649 |
| JCT003N004 | MH003N002 | 477.81 | 477.00 | 10.04 | 15 | VCP | 0.015 | 1.23 | 3.927 | 8.07% | 10,305,271 |
| MH003N002 | JCT014A012 | 477.00 | 453.86 | 170.73 | 15 | VCP | 0.015 | 1.23 | 3.927 | 13.55% | 13,357,049 |
| JCT014A012 | MH014A008 | 453.86 | 430.94 | 154.29 | 15 | VCP | 0.015 | 1.23 | 3.927 | 14.86% | 13,983,703 |
| MH014A008 | JCT014A009 | 430.94 | 430.00 | 27.34 | 15 | VCP | 0.015 | 1.23 | 3.927 | 3.44% | 6,727,418 |
| JCT014A009 | JCT014A010 | 430.00 | 417.32 | 174.72 | 15 | VCP | 0.015 | 1.23 | 3.927 | 7.26% | 9,773,994 |
| JCT014A010 | MH014A011 | 417.32 | 409.83 | 139.92 | 15 | VCP | 0.015 | 1.23 | 3.927 | 5.35% | 8,394,306 |
| MH014A011 | JCT014A008 | 409.83 | 408.83 | 39.08 | 15 | VCP | 0.015 | 1.23 | 3.927 | 2.56% | 5,803,720 |
| JCT014A008 | MH014A012 | 408.83 | 389.32 | 373.63 | 20 | VCP | 0.015 | 2.18 | 5.236 | 5.22% | 17,855,067 |
| MH014A012 | JCT014A005 | 389.32 | 388.00 | 68.76 | 20 | VCP | 0.015 | 2.18 | 5.236 | 1.92% | 10,826,118 |
| JCT014A005 | JCT014A004 | 388.00 | 385.50 | 176.25 | 20 | VCP | 0.015 | 2.18 | 5.236 | 1.42% | 9,305,917 |
| JCT014A004 | JCT014A006 | 385.50 | 378.00 | 79.11 | 20 | VCP | 0.015 | 2.18 | 5.236 | 9.48% | 24,058,507 |
| JCT014A006 | MH014E026 | 378.00 | 358.90 | 201.52 | 20 | VCP | 0.015 | 2.18 | 5.236 | 9.48% | 24,055,331 |
| MH014E026 | JCT015H010 | 358.90 | 337.72 | 477.08 | 20 | VCP | 0.015 | 2.18 | 5.236 | 4.44% | 16,463,460 |
| JCT015H010 | MH015H001 | 337.72 | 335.70 | 31.45 | 72 | Brick | 0.016 | 28.27 | 18.850 | 6.42% | 565,149,960 |



Project Location

MLCS

Access manhole for flow depth measurements: MH003N002

SECTION F – PROJECT NARRATIVE

PROJECT NARRATIVE
For
Grandview - 719 Eureka Street
City of Pittsburgh – 18th Ward

Applicant: Brian J. Almeter, Fahringer, McCarty, Grey Inc.
Agent for: Gatesburg Road Development
Date: May 04, 2022

Project Site Location, Zoning Classification and Proposed Use:

Gatesburg Road Development is proposing to purchase the 719 Eureka Street property to develop affordable housing on the property. This lot will be subdivided into two (2) lots, constructing one (1) single-family residential unit on each new parcel. Gatesburg Road Development or a related entity will own the property and buildings. The dwelling units will be rented to qualified person/s. No ground will remain vacant after the community development is completed.

Existing and Proposed Water Consumption and Sewage Flow Estimates:

Based on Google aerial photos (dated 09/23/2015) it has been determined that the subject area was mostly an open lot, with vegetative cover across property boundaries.

719 Eureka Existing Dwelling Units (2015) 0 gal/day x 0 dwelling units = 0 gallons per day

The proposed water consumption and sanitary flow for the proposed two (2) unit single-family homes development, detached, are as estimated below based on PWSA Manual.

2 dwellings x 400 gallons/day = 800 gallons/day

Hilltop Alliance Total Sanitary Flow per day = 800 gallons/day

Hilltop Alliance Total Water Usage per day = 800 gallons/day

Hilltop Alliance Net Increase of Sanitary and Water Flow = 800 gallons per day.

Proposed Sewage Conveyance and Treatment:

The individual lots and dwelling units will connect to the existing combination sewer system within the public street (Eureka). It is understood that PWSA prefers to maintain the sanitary flows to the alley systems, where possible. These connections will be designed and installed in accordance with the local governmental agencies that have jurisdiction. This connection will include utilizing the existing active taps, where possible and if determined to be in acceptable condition. If no existing taps are near the proposed dwelling location, a new tap and lateral will be installed per PWSA standards. These existing connections and new lateral lines will be gravity flow.

A separate roof/storm drain line will also attempt to utilize an existing lateral or tap, where possible. If a separate tap is found and is determined to be in acceptable condition, this will be utilized as a dedicated storm line. The storm and sanitary lines will be separated within five (5) feet of the main line in accordance with the current PWSA standards and details.

Estimated Stormwater Flows for the Existing and Proposed Conditions:

The existing estimated storm flows were calculated based on the Rational Method, $Q=CiA$ using the 25-year storm event. This calculation is based on area in acres per lot, and does not account for changes in the roadways. The runoff coefficient is based on the areas of building roof, asphalt or concrete pavement, lawn and wooded conditions. The estimated runoff (pre and post development) from the entire property is as follows:

Where:

Q = maximum rate of runoff, cubic feet per second (cfs)

C = coefficient of runoff based on type and character of surface.

i = average rainfall intensity, inches per hour (7.1" per hour for 25-year storm.)

A = drainage area in acres (acreage of lots only)

Comparison based on current lot conditions versus proposed for lot acreage only. The proposed plan will also reduce impervious area through changes in road configuration. This calculation does not account for the reduced road surfaces.

EXISTING (2020): $Q = CiA$

Roof: $Q = 0.95 \times 7.1 \times 0.00 = 0.0$ cfs

Open: $Q = 0.35 \times 7.1 \times 0.11 = 0.27$ cfs

Total = 0.27 cfs

PROPOSED: $Q = CiA$

Roof: $Q = 0.95 \times 7.1 \times 0.04 = 0.27$ cfs

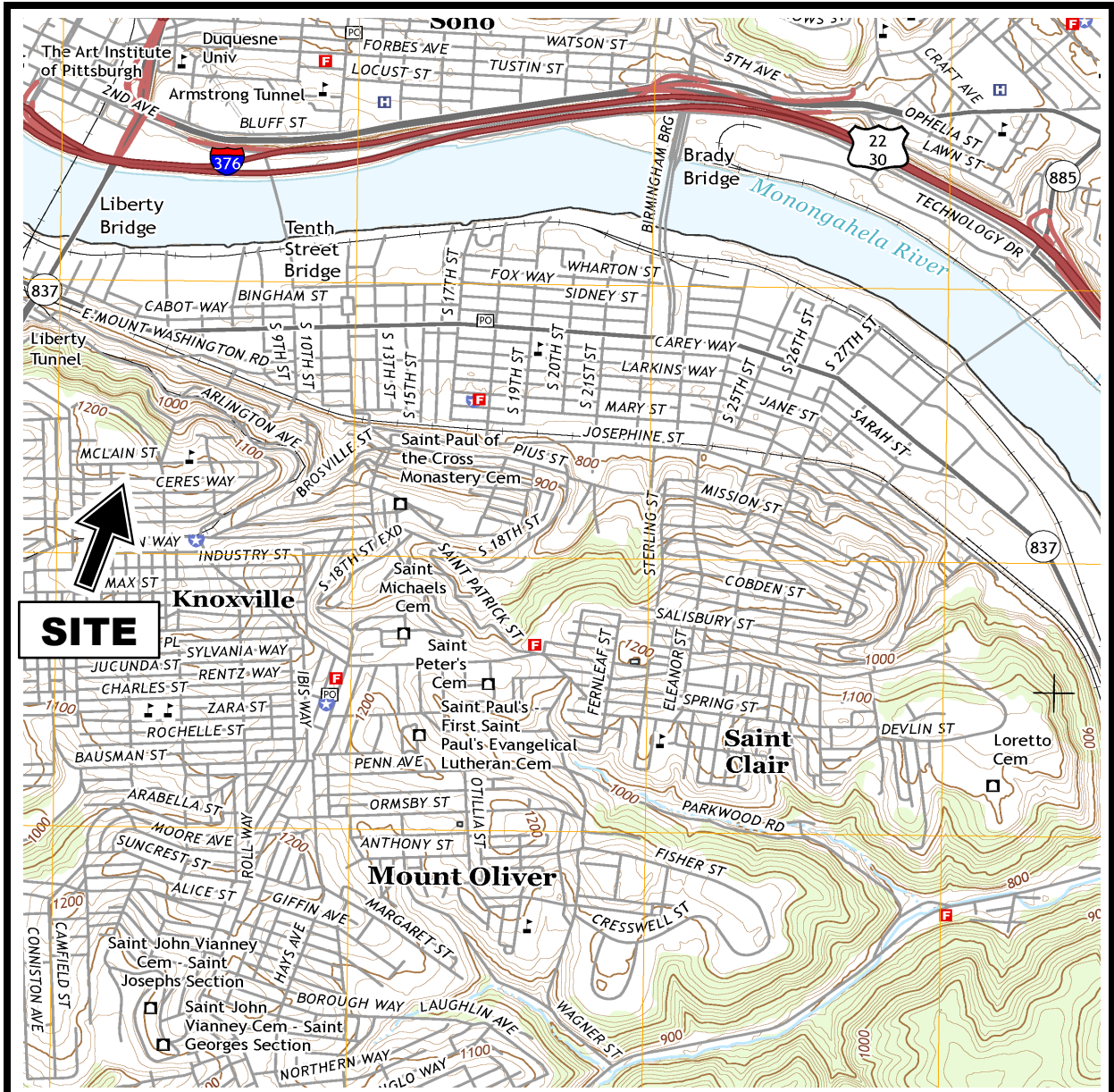
Lawn: $Q = 0.30 \times 7.1 \times 0.07 = 0.15$ cfs

Total = 0.42 cfs

Proposed Stormwater Runoff Calculations:

Based on the existing coverage that exists within this neighborhood, the proposed redevelopment of this portion of the community will have more impervious coverage (roof and pavement area). Therefore, the developed site will generate stormwater runoff. Please note however, that historically there were homes constructed on the majority of these lots.

**SECTION G –
PROPOSED WASTEWATER DISPOSAL FACILITIES
ITEM 3: TAP-IN PLANS &
DETAILS – SANITARY SEWER & WATER**



- Project Location Map -

719 Eureka Street

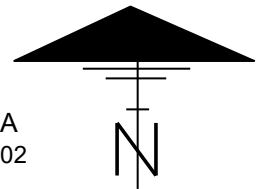
Pittsburgh,

Allegheny County, PA

SCALE: 1" = 2000'

JOB NO. 5120-02

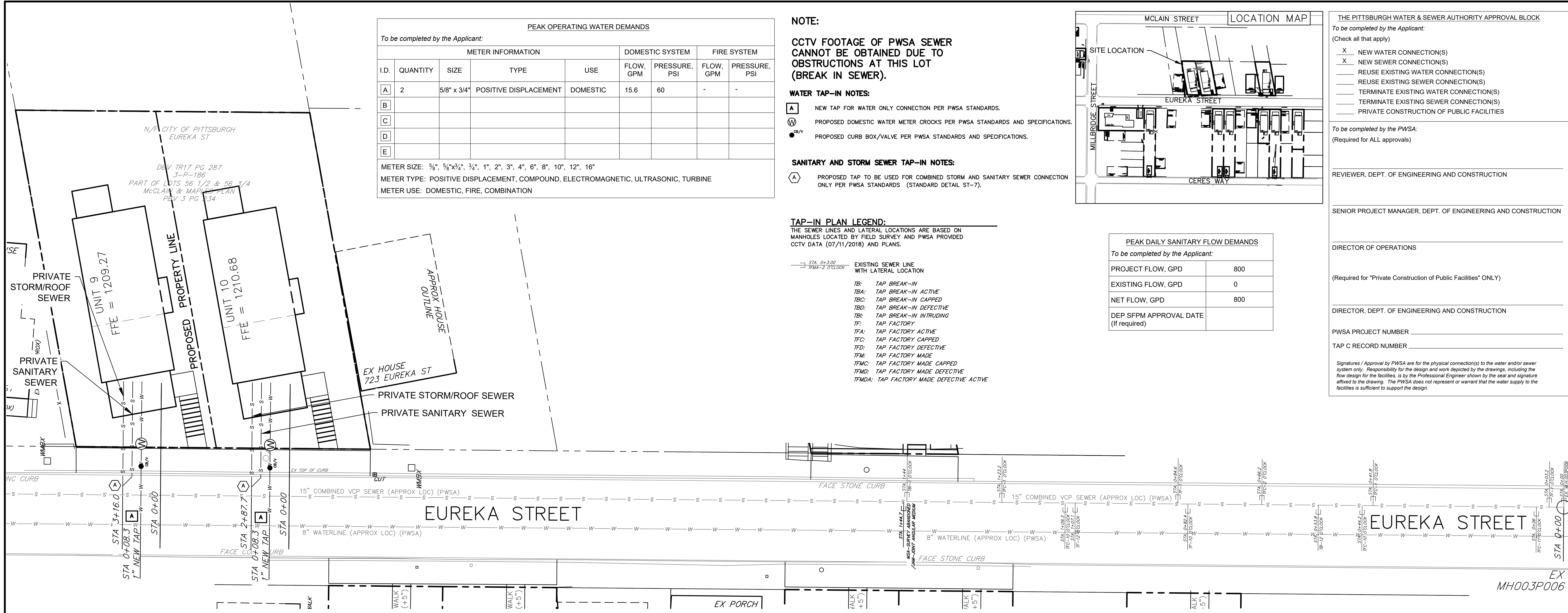
SOURCE: Pittsburgh East, PA, 7 1/2 Minute U.S.G.S. Quadrangle



FAHRINGER, McCARTY, GREY, INC.

LANDSCAPE ARCHITECTS AND ENGINEERS

1610 Golden Mile Highway, Monroeville, PA 15146-2010



PEAK OPERATING WATER DEMANDS

To be completed by the Applicant:

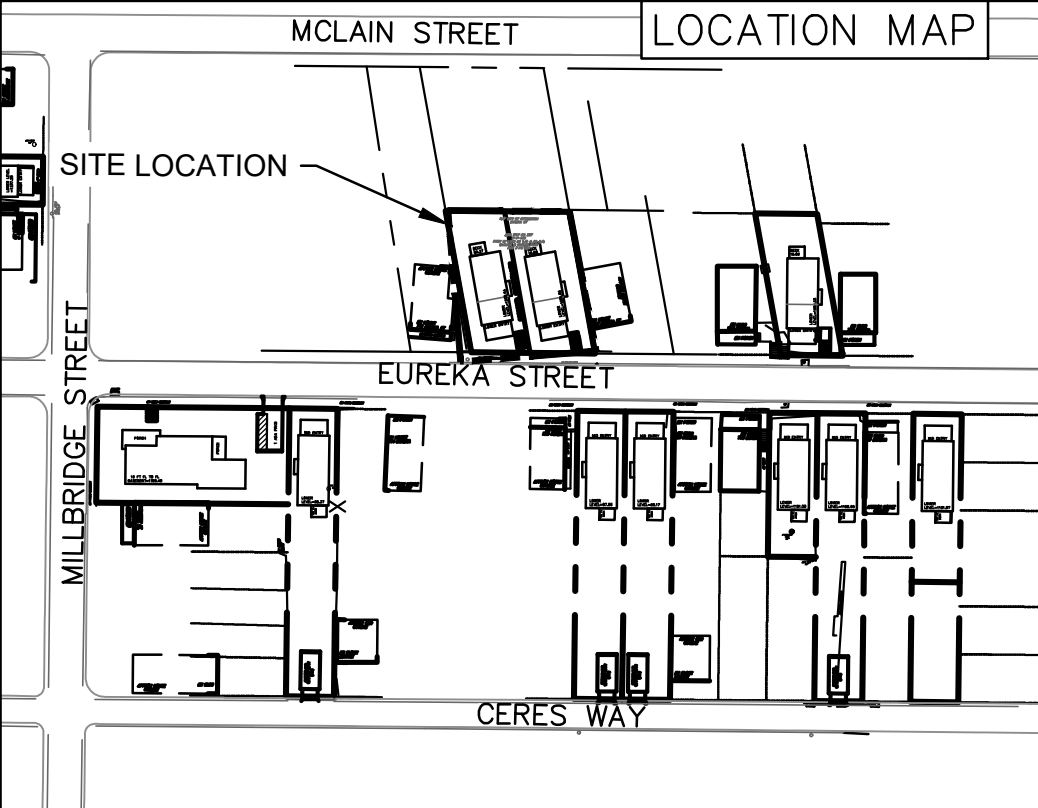
| METER INFORMATION | | | | | DOMESTIC SYSTEM | | FIRE SYSTEM | |
|-------------------|----------|-------------|-----------------------|----------|-----------------|---------------|-------------|---------------|
| I.D. | QUANTITY | SIZE | TYPE | USE | FLOW, GPM | PRESSURE, PSI | FLOW, GPM | PRESSURE, PSI |
| A | 2 | 5/8" x 3/4" | POSITIVE DISPLACEMENT | DOMESTIC | 15.6 | 60 | - | - |
| B | | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| E | | | | | | | | |

METER SIZE: 5/8", 3/4", 1", 2", 3", 4", 6", 8", 10", 12", 16"
METER TYPE: POSITIVE DISPLACEMENT, COMPOUND, ELECTROMAGNETIC, ULTRASONIC, TURBINE
METER USE: DOMESTIC, FIRE, COMBINATION

NOTE:
CCTV FOOTAGE OF PWSA SEWER CANNOT BE OBTAINED DUE TO OBSTRUCTIONS AT THIS LOT (BREAK IN SEWER).

WATER TAP-IN NOTES:
A NEW TAP FOR WATER ONLY CONNECTION PER PWSA STANDARDS.
W PROPOSED DOMESTIC WATER METER CROCKS PER PWSA STANDARDS AND SPECIFICATIONS.
● PROPOSED CURB BOX/VALVE PER PWSA STANDARDS AND SPECIFICATIONS.

SANITARY AND STORM SEWER TAP-IN NOTES:
A PROPOSED TAP TO BE USED FOR COMBINED STORM AND SANITARY SEWER CONNECTION ONLY PER PWSA STANDARDS (STANDARD DETAIL ST-7).



THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK
To be completed by the Applicant:
(Check all that apply)
 NEW WATER CONNECTION(S)
 NEW SEWER CONNECTION(S)
 REUSE EXISTING WATER CONNECTION(S)
 REUSE EXISTING SEWER CONNECTION(S)
 TERMINATE EXISTING WATER CONNECTION(S)
 TERMINATE EXISTING SEWER CONNECTION(S)
 PRIVATE CONSTRUCTION OF PUBLIC FACILITIES

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

REVIEWER, DEPT. OF ENGINEERING AND CONSTRUCTION

SENIOR PROJECT MANAGER, DEPT. OF ENGINEERING AND CONSTRUCTION

DIRECTOR OF OPERATIONS

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

DIRECTOR, DEPT. OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER _____

TAP C RECORD NUMBER _____

Signatures / Approval by PWSA are for the physical connection(s) to the water and/or sewer system only. Responsibility for the design and work depicted by the drawings, including the flow design for the facilities, is by the Professional Engineer shown by the seal and signature affixed to the drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design.

PEAK DAILY SANITARY FLOW DEMANDS

To be completed by the Applicant:

| | |
|--------------------------------------|-----|
| PROJECT FLOW, GPD | 800 |
| EXISTING FLOW, GPD | 0 |
| NET FLOW, GPD | 800 |
| DEP SFPM APPROVAL DATE (If required) | |

TAP-IN PLAN LEGEND:
THE SEWER LINES AND LATERAL LOCATIONS ARE BASED ON MANHOLES LOCATED BY FIELD SURVEY AND PWSA PROVIDED CCTV DATA (07/11/2018) AND PLANS.

— STA. 0+00.00 EXISTING SEWER LINE WITH LATERAL LOCATION
TBA: TAP BREAK-IN
TBC: TAP BREAK-IN CAPPED
TBD: TAP BREAK-IN DEFECTIVE
TBI: TAP BREAK-IN INTRUDING
TF: TAP FACTORY
TFA: TAP FACTORY ACTIVE
TFC: TAP FACTORY CAPPED
TFD: TAP FACTORY DEFECTIVE
TFM: TAP FACTORY MADE
TFMC: TAP FACTORY MADE CAPPED
TFMD: TAP FACTORY MADE DEFECTIVE
TFMDA: TAP FACTORY MADE DEFECTIVE ACTIVE

**719-721 EUREKA STREET
UNITS 9 AND 10
FINAL ADDRESSES TO BE DETERMINED**

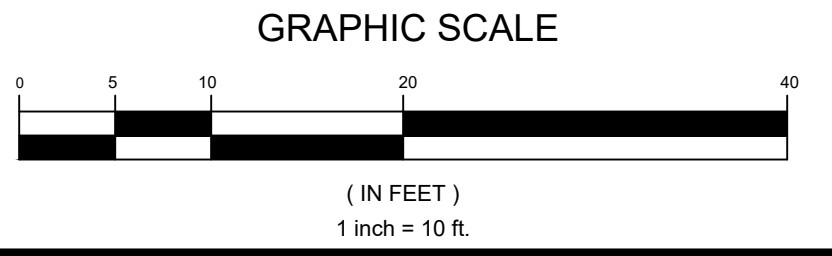
LEGEND

| | |
|---|---|
| — | PROPERTY LINE |
| ○ | MANHOLE |
| ○ | GAS VALVE |
| ○ | WATER VALVE |
| □ | INLET/MANHOLE |
| □ | INLET |
| □ | UTILITY POLE |
| □ | FIRE HYDRANT |
| □ | EXISTING STRUCTURE (PARTIALLY SURVEYED) |
| □ | EXISTING STRUCTURE (ALLEGHENY COUNTY GIS) |

- GENERAL NOTES:**
- ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DRAWINGS, SPECIFICATIONS AND GENERAL NOTES. MATERIALS FURNISHED SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF PITTSBURGH, PITTSBURGH SEWER AND WATER, PENN DOT FORM 408/LATEST SPECIFICATIONS AND PENN DOT STANDARDS FOR CONSTRUCTION.
 - CONTRACTOR SHALL NOT GO BEYOND LIMIT OF WORK ESTABLISHED ON THE CONTRACT DRAWINGS. ANY AREA DISTURBED BEYOND THE LIMIT OF WORK SHALL BE RESTORED TO THE ORIGINAL LINES AND GRADES AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS, DOOR OPENINGS, FOUNDATION WALLS AND UTILITY ENTRANCE LOCATIONS, IF ANY.
 - EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
 - THE CONTRACTOR IS REQUIRED BY PENNSYLVANIA STATE LAW TO NOTIFY ANY INVOLVED UTILITY COMPANY NOT LESS THAN THREE (3) WORKING DAYS PRIOR TO THE BEGINNING OF ANY EXCAVATION OR DEMOLITION. (PENNSYLVANIA ONE CALL SYSTEM, INC. - PHONE NO. 1-800-242-1776.)
 - ALL DIMENSIONS SHOWN ARE TO FACE OF BUILDING FOUNDATION WALL OR OUTSIDE FINISH.
 - THE SITE WORK CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES SHALL BE TESTED AND APPROVED BY THE RESPECTIVE REGULATORY AGENCY PRIOR TO ANY PAVING OPERATION.
 - ALL 1" CONNECTIONS REQUIRE CURB STOP AND CURB BOX, ANYTHING LARGER REQUIRES A GATE VALVE PLUS MEG BOX. ALL GATE VALVES MUST BE LABELED "RIGHT-TURN TO OPEN."
 - IF POSSIBLE HAVE METER CROCKS WITHIN 36" OF PROPERTY LINE.
 - CUT-IN TEES WILL REQUIRE SEPARATE WATER LINE SHUT PERMIT(S).
 - WATERLINES SHALL BE COPPER SERVICE LINE TYPE K (SOFT), PEX_a TUBE, OR EQUIVALENT PRODUCT TO PWSA STANDARDS.

NOTE:
1. THE PARCELS SHOWN TO BE DEVELOPED ON THIS PLAN ARE EITHER EXISTING SEPARATE LOTS/TAX PARCELS OR ARE PROPOSED TO BE SUBDIVIDED INTO INDIVIDUAL LOTS.
2. THE SUBJECT PARCELS TO BE DEVELOPED ON THIS PLAN ARE PROPOSED TO BE UNDER THE SAME OWNERSHIP GRANDVIEW SOUTH CORPORATION, GRANDVIEW SOUTH HOUSING LLC OR ASSIGNS.
3. THE PROPERTY/IES ARE SUBJECT TO A COMMON SEWER EASEMENT FOR THE INSTALLATION OF SEWERS (SANITARY AND STORM) ON SEPARATE LOTS BUT ARE UNDER THE SAME OWNERSHIP.

NOTES:
1. THE TOPOGRAPHIC INFORMATION (CONTOUR LINES) AND ROADS SHOWN ON THIS PLAN WERE TAKEN FROM PASDA AND COUNTY GIS SYSTEM AND ARE APPROXIMATE.
2. THE PROPERTY OWNER'S NAMES ARE TAKEN FROM THE COUNTY TAX OFFICE WEBSITE.
3. THIS DRAWING SHOULD BE USED FOR PLANNING PURPOSES ONLY.



Call BEFORE YOU DIG
IN PENNSYLVANIA
1-800-242-1776
**PENNSYLVANIA
ONE CALL SYSTEM, INC.**
PA STATE LAW REQUIRES 3
WORKING DAYS NOTICE
SERIAL NUMBER: 20213211030

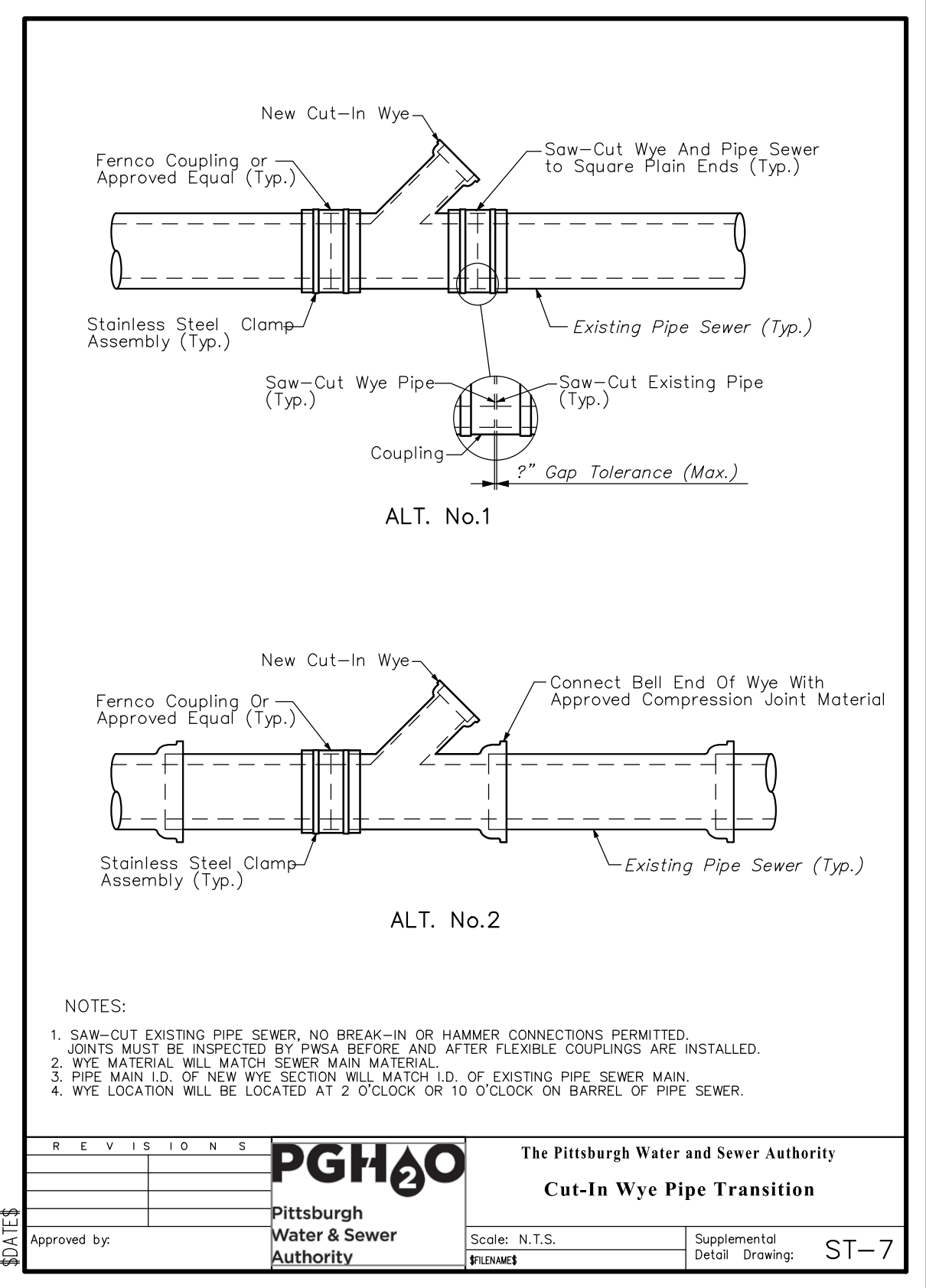
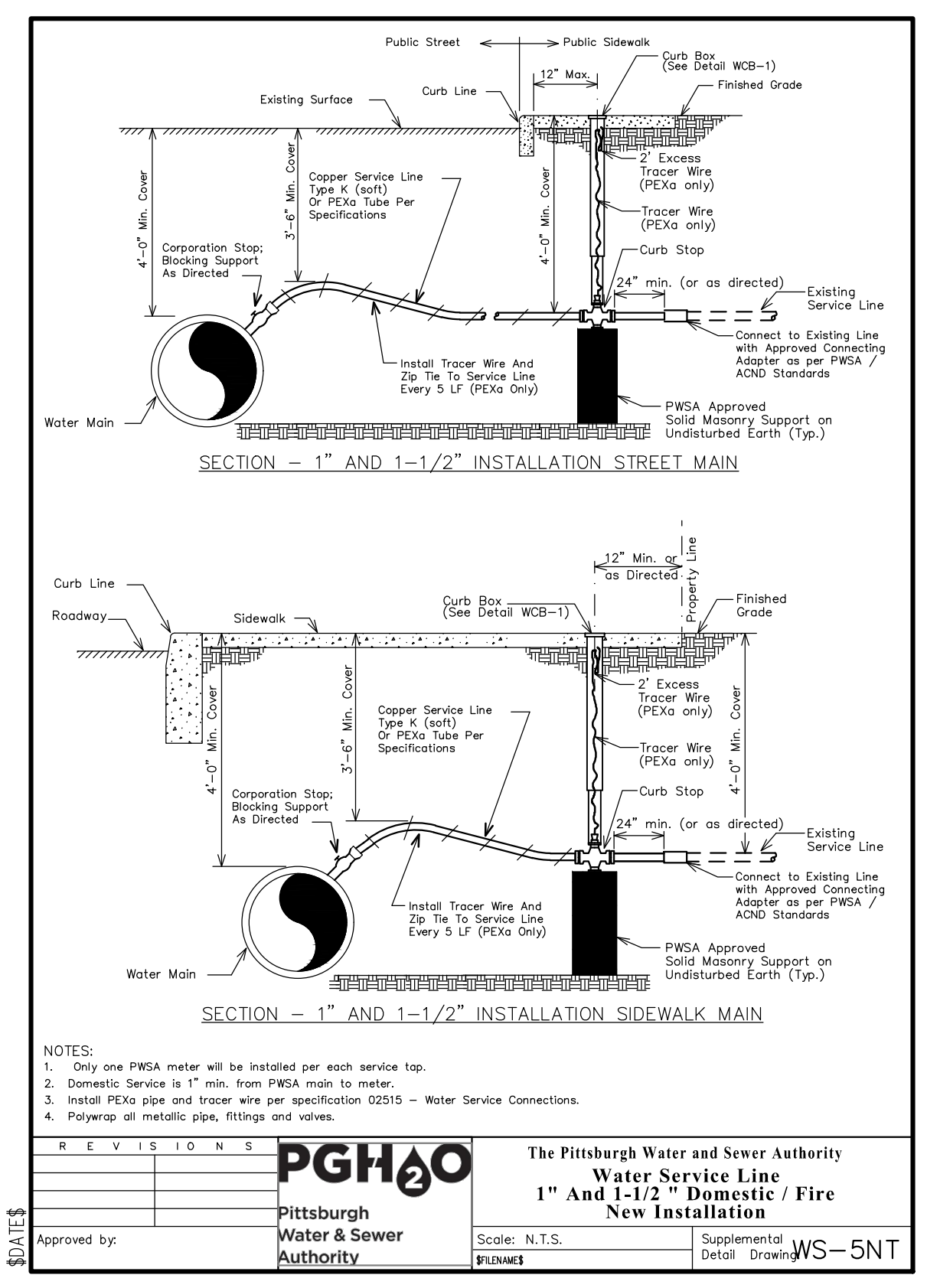
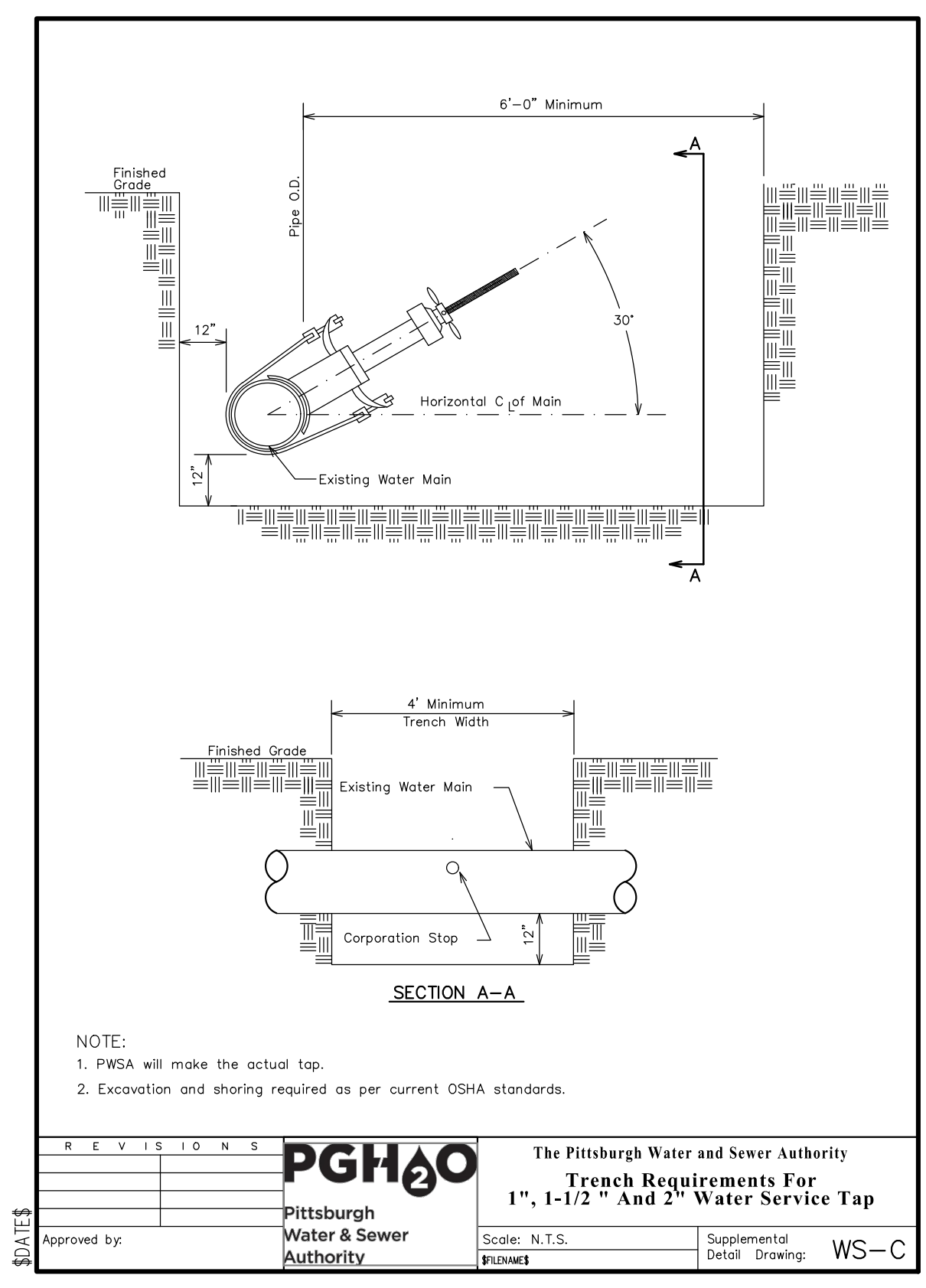
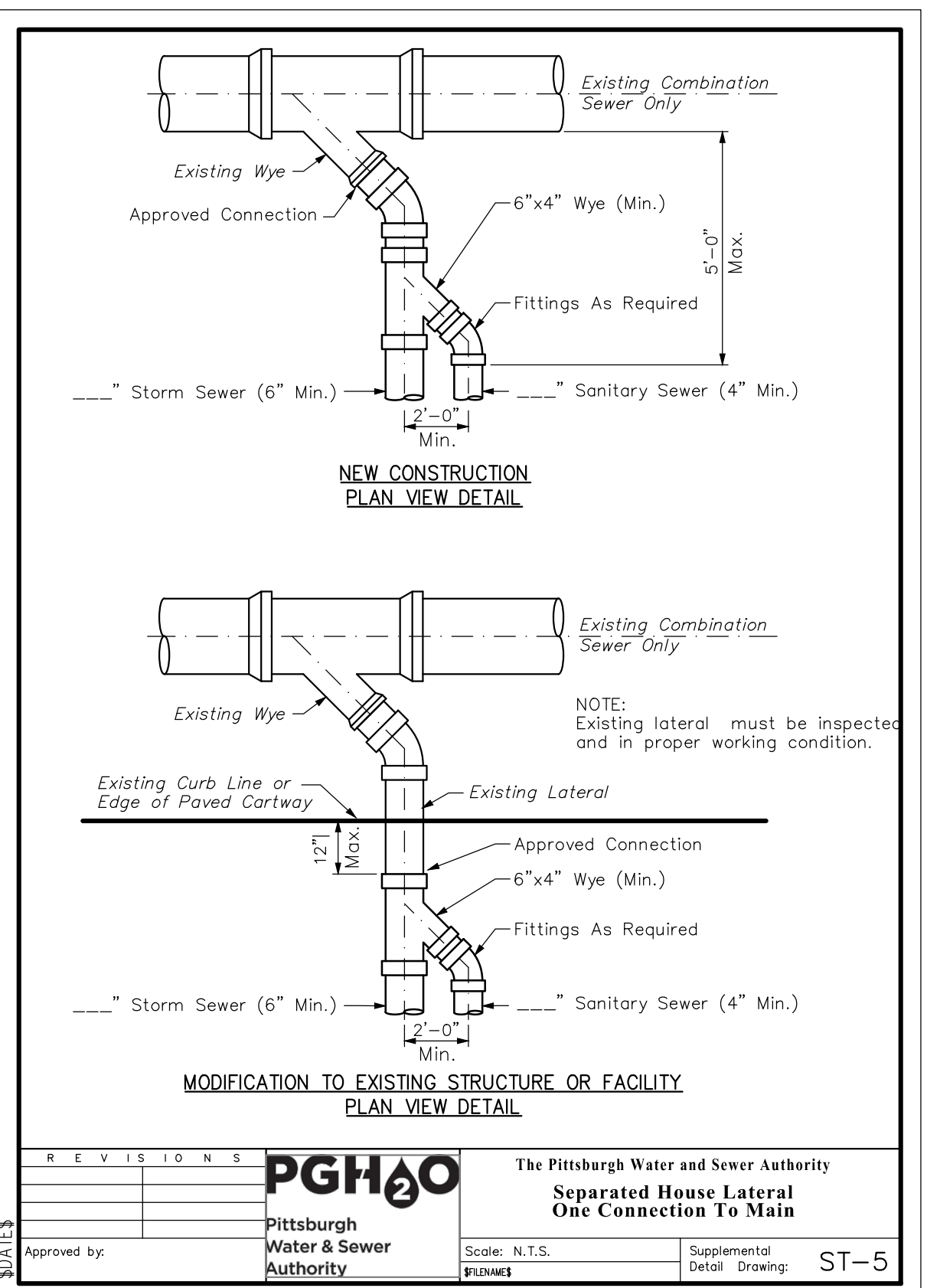
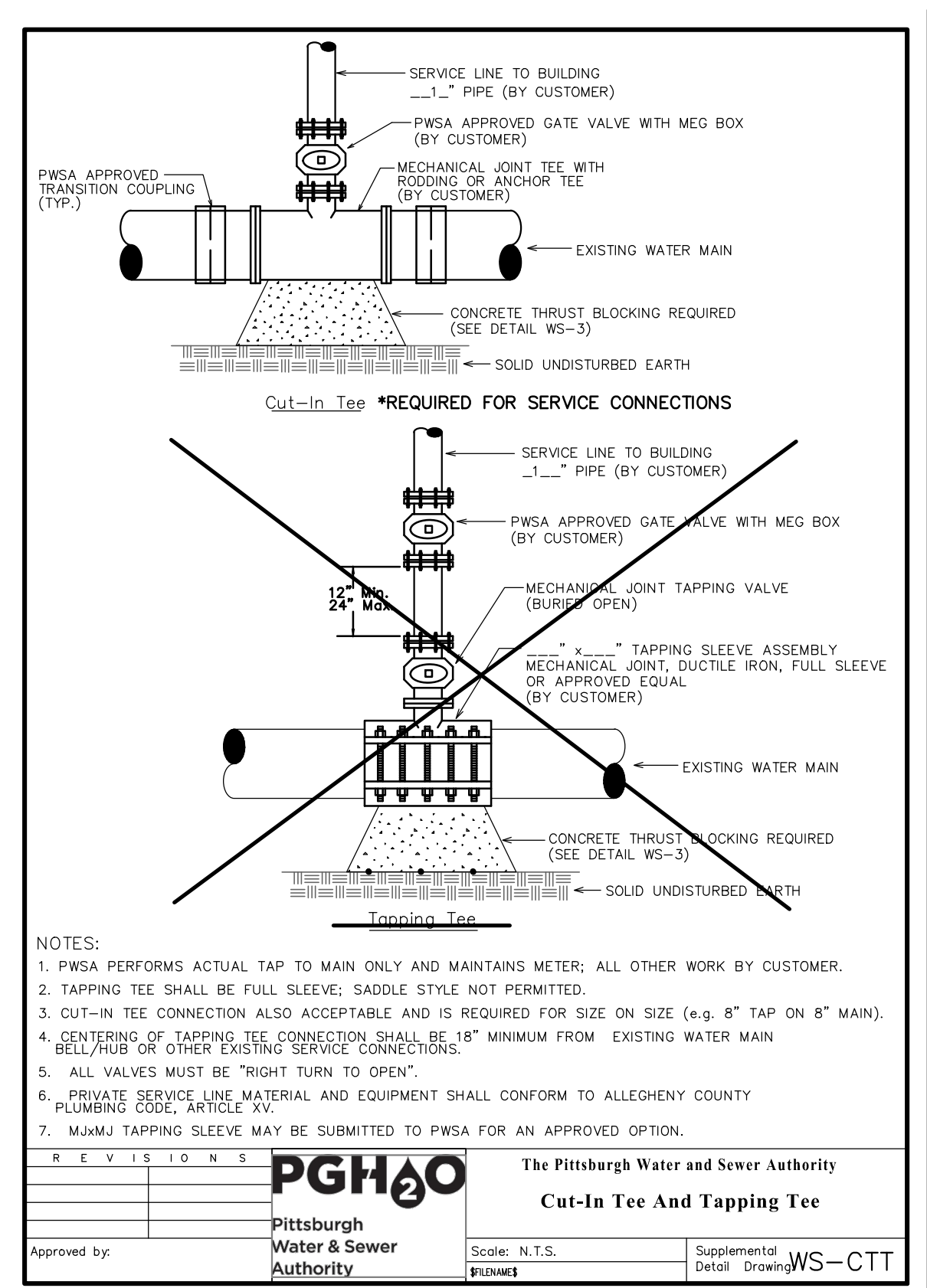
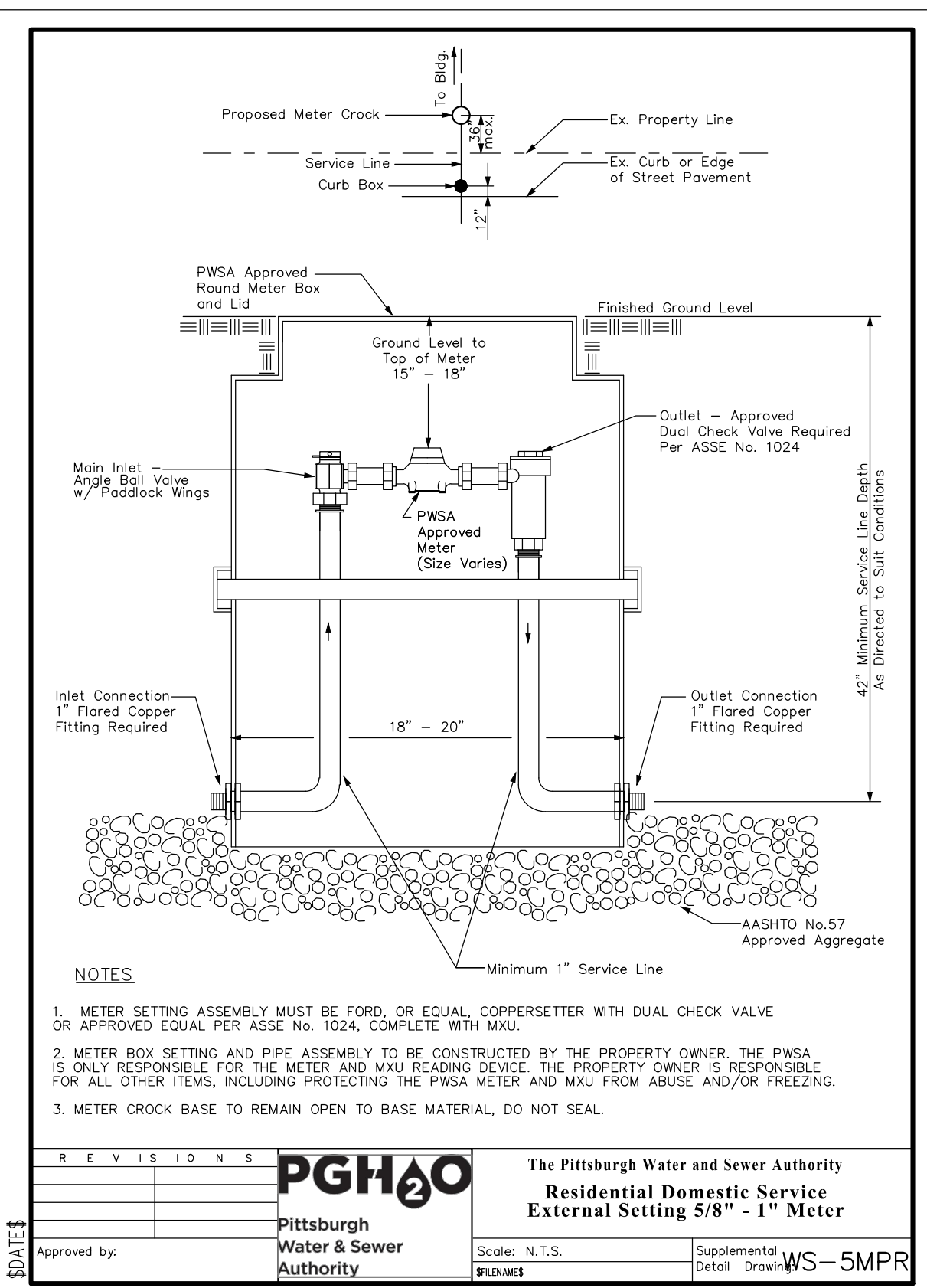
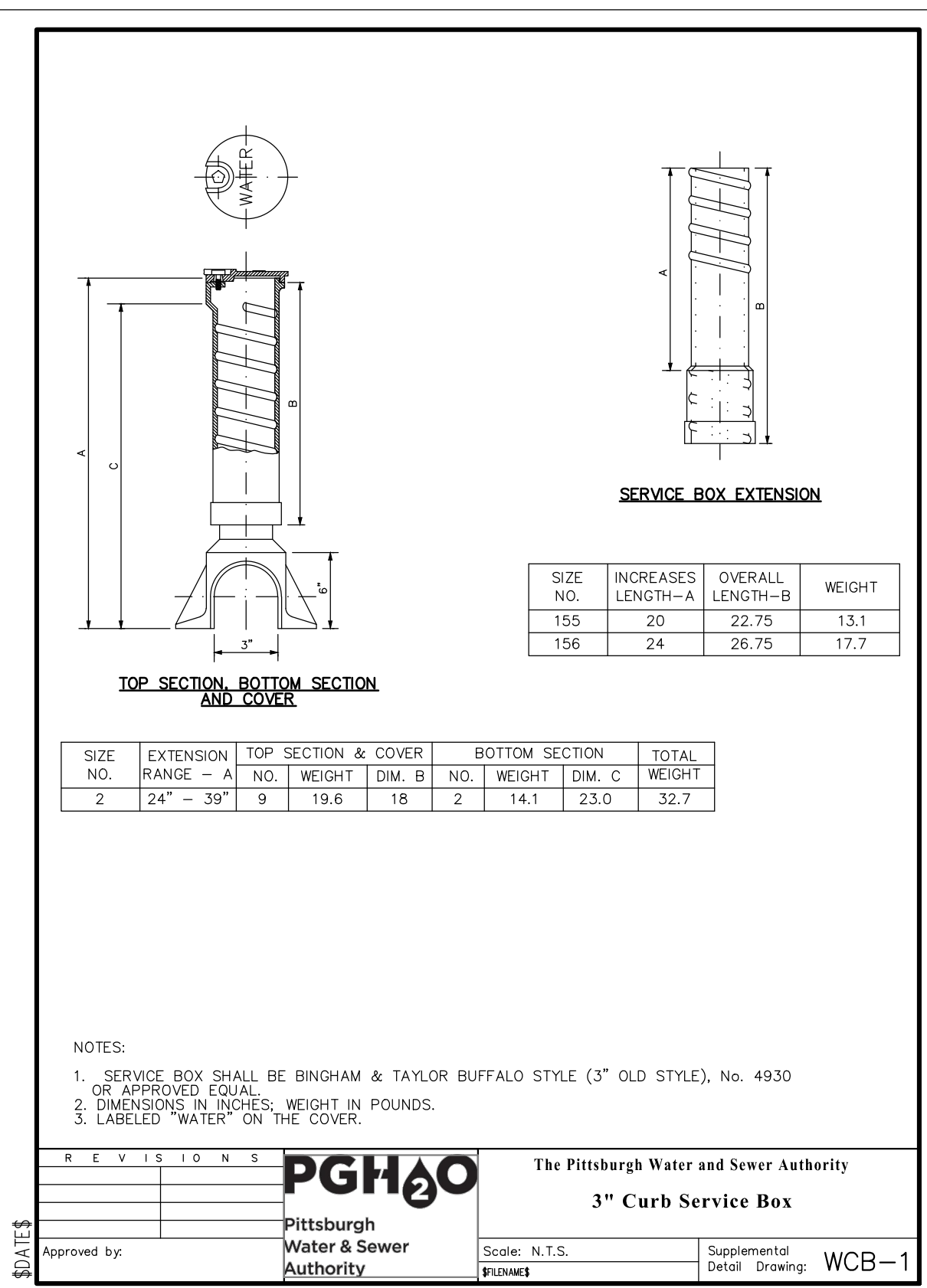
Architectural Plans Prepared by:
LGA Partners LP
FAHRINGER, McCARTY, GREY, INC.
LANDSCAPE ARCHITECTS AND ENGINEERS
1610 GOLDEN MILE HIGHWAY MONROEVILLE,
PENNSYLVANIA 15146 (724) 327-0599
Project Number: 5120

GATESBURG ROAD DEVELOPMENT
2121 OLD GATESBURG ROAD - STATE COLLEGE, PA 16803

GRANDVIEW SOUTH
719 EUREKA ST.
CITY OF PITTSBURGH - 13th WARD
WATER AND SEWER LINE TAP-IN PLAN

SCALE: AS NOTED
DATE: MARCH 3, 2022
REVISED: MARCH 10, 2022

SHEET 1 OF 2
ACCESSION NO. C-
CASE NO.



To be completed by the Applicant:
(Check all that apply)

NEW WATER CONNECTION(S)
 NEW SEWER CONNECTION(S)
 REUSE EXISTING WATER CONNECTION(S)
 REUSE EXISTING SEWER CONNECTION(S)
 TERMINATE EXISTING WATER CONNECTION(S)
 TERMINATE EXISTING SEWER CONNECTION(S)
 PRIVATE CONSTRUCTION OF PUBLIC FACILITIES

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

REVIEWER, DEPT. OF ENGINEERING AND CONSTRUCTION

SENIOR PROJECT MANAGER, DEPT. OF ENGINEERING AND CONSTRUCTION

DIRECTOR OF OPERATIONS

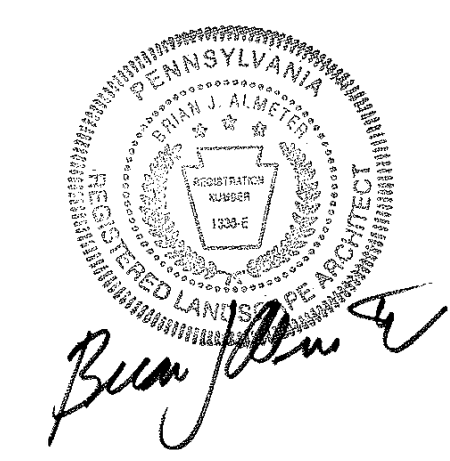
(Required for "Private Construction of Public Facilities" ONLY)

DIRECTOR, DEPT. OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER _____

TAP C RECORD NUMBER _____

Signatures / Approval by PWSA are for the physical connection(s) to the water and/or sewer system only. Responsibility for the design and work depicted by the drawings, including the flow design for the facilities, is by the Professional Engineer shown by the seal and signature affixed to the drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design.



Architectural Plans Prepared by:
LGA Partners LP
FAHRINGER, McCARTY, GREY, INC.
LANDSCAPE ARCHITECTS AND ENGINEERS
1610 GOLDEN MILE HIGHWAY MONROEVILLE,
PENNSYLVANIA 15146 (724) 327-0599
Project Number: 5120

GATESBURG ROAD DEVELOPMENT
2121 OLD GATESBURG ROAD - STATE COLLEGE, PA 16803

GRANDVIEW SOUTH
719 EUREKA ST.
CITY OF PITTSBURGH - 13th WARD
WATER AND SEWER LINE TAP-IN PLAN

SCALE: AS NOTED
DATE: MARCH 3, 2022
REVISED: MARCH 31, 2022

SHEET 2 OF 2
ACCESSION NO. C- CASE NO.

Tap-In Plan Review

PROCESS #15

| | |
|---------|---|
| Started | Jan 26, 2022 at 4:16pm EST |
| Status | Completed Apr 19, 2022 at 9:31am EDT |
| By | Kate Zakowski |

Please note, Approved tap-in plans does not mean that your permit is approved. Final permit issuance is dependent upon final payment and DEP Sewage Facilities Planning Module Approval, if applicable.
This document is not a permit.

Submitted Information

Tap-In Plan Submission (Applicant)

TAP-IN PLANS SUBMISSION

| | |
|------------------------|--|
| Tap-In Plans, PDF File | Grandview PWSA Plans-Details-719 Eureka Street.pdf |
|------------------------|--|

Tap-in Plan Review (PWSA)

TAP-IN PLAN REVIEW

| | |
|-------------------------|-----|
| Return for Corrections? | Yes |
|-------------------------|-----|

TAP-IN PLANS WITH REQUESTED CORRECTIONS

| | |
|---|---|
| Tap-in Plans with Requested Corrections | stddwgtemplate.pdf, DEV-20-0122_TIPComments_SMC2022.03.08.pdf |
|---|---|

Tap-in Plan Submission Rev. 1, if required (Applicant)

TAP-IN PLAN RESUBMISSION

| | |
|--------------------------|--|
| Tap-in Plan Resubmission | 5120 PWSA Response Letter 03-10-22.pdf , 719 Eureka Tap in Plans-details 3-10-22.pdf |
|--------------------------|--|

| | |
|-------|--|
| Notes | Revised Tap-in Plan has been uploaded. A response letter is attached for clarification of the revisions made, and the status of the original CCTV data received. |
|-------|--|

Tap-in Plan Review, if required (PWSA)

TAP PLAN REVIEW

Return for Corrections? Yes

TAP-IN PLANS WITH REQUESTED CORRECTIONS

Tap-in Plans with Requested Corrections DEV-20-0122_TiPComments_SMC2022.03.24.pdf

Tap-in Plan Submission Rev. 2 if required (Applicant)

TAP-IN PLAN RESUBMISSION

Tap-in Plan Resubmission 719 Eureka PWSA Plans-Details-Units 9 & 10.pdf

Notes Detail WS-CTT was edited to note a Cut-in Tee is required; Tapping Tee detail was crossed out to remove from scope.

Tap-in Plan Review, if required (PWSA)

TAP PLAN REVIEW

Return for Corrections? No

TAP-IN PLANS WITH REQUESTED CORRECTIONS

Tap-in Plans with Requested Corrections

Tap-in Plan Submission Rev. 3, if required (Applicant)

TAP-IN PLAN RESUBMISSION

No data

Tap-in Plan Review, if required (PWSA)

TAP PLAN REVIEW

No data

TAP-IN PLANS WITH REQUESTED CORRECTIONS

No data

Tap-in Plan Submission Rev. 4, if required (Applicant)

TAP-IN PLAN RESUBMISSION

No data

Reviewers

Engineering Department Review (PWSA)

Engineering Department (Complete)

| | |
|----------------|----------------------------|
| Reviewer name | Robert |
| Review outcome | Approved |
| Date | Apr 08, 2022 at 4:32pm EDT |

Operations Department Review (PWSA)

Director of Operations (Complete)

| | |
|----------------|----------------------------|
| Reviewer name | BJ McFaddin |
| Review outcome | Approved |
| Date | Apr 19, 2022 at 9:31am EDT |

**SECTION G –
PROPOSED WASTEWATER DISPOSAL FACILITIES
ITEM 7: PNDI SEARCH**

1. PROJECT INFORMATION

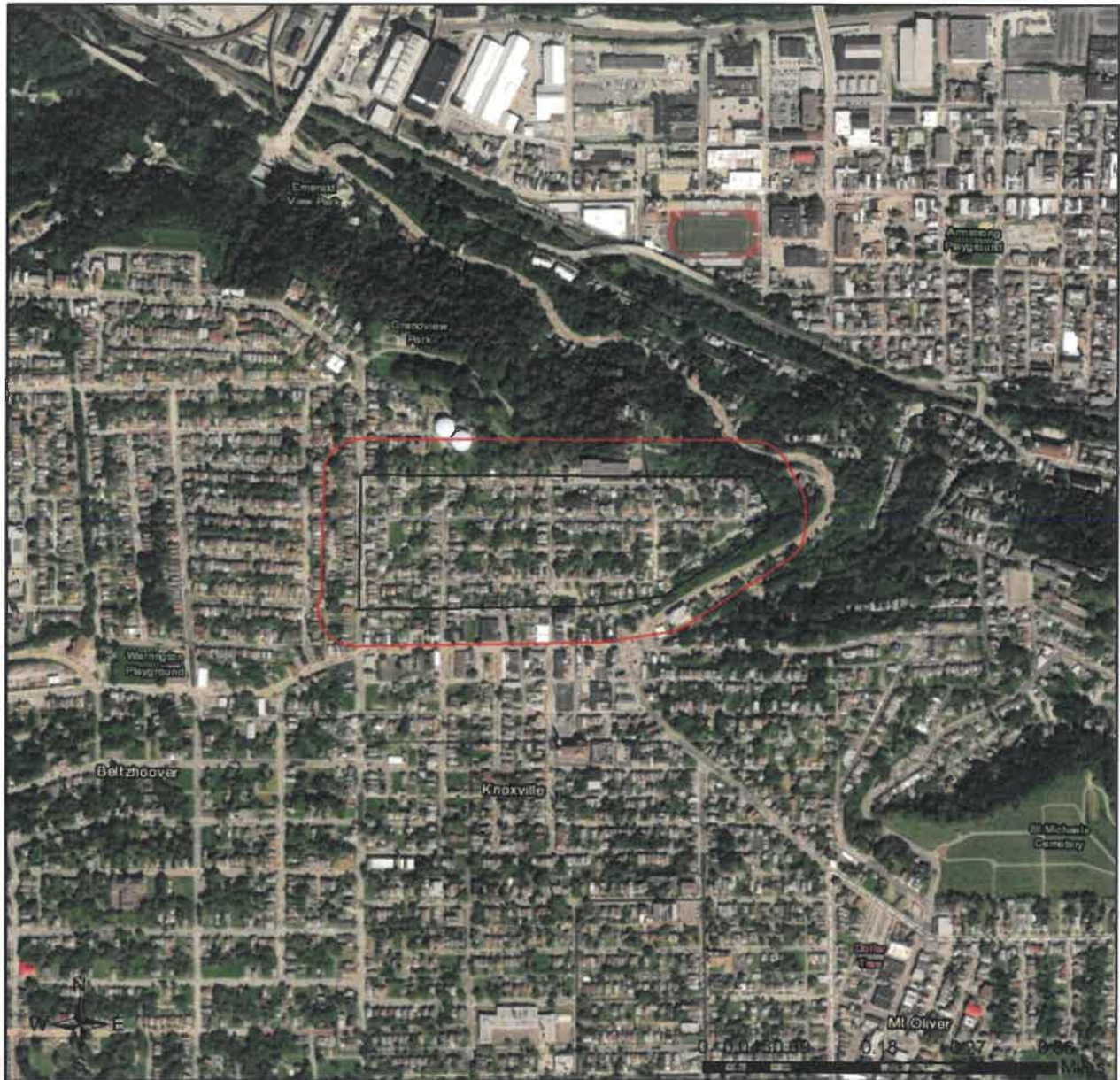
Project Name: **Grandview South**
Date of Review: **4/6/2022 06:36:29 PM**
Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**
Project Area: **32.59 acres**
County(s): **Allegheny**
Township/Municipality(s): **PITTSBURGH**
ZIP Code:
Quadrangle Name(s): **PITTSBURGH EAST**
Watersheds HUC 8: **Lower Monongahela; Upper Ohio**
Watersheds HUC 12: **Sawmill Run; Streets Run-Monongahela River**
Decimal Degrees: **40.423480, -79.993906**
Degrees Minutes Seconds: **40° 25' 24.5280" N, 79° 59' 38.627" W**

2. SEARCH RESULTS

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

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Grandview South

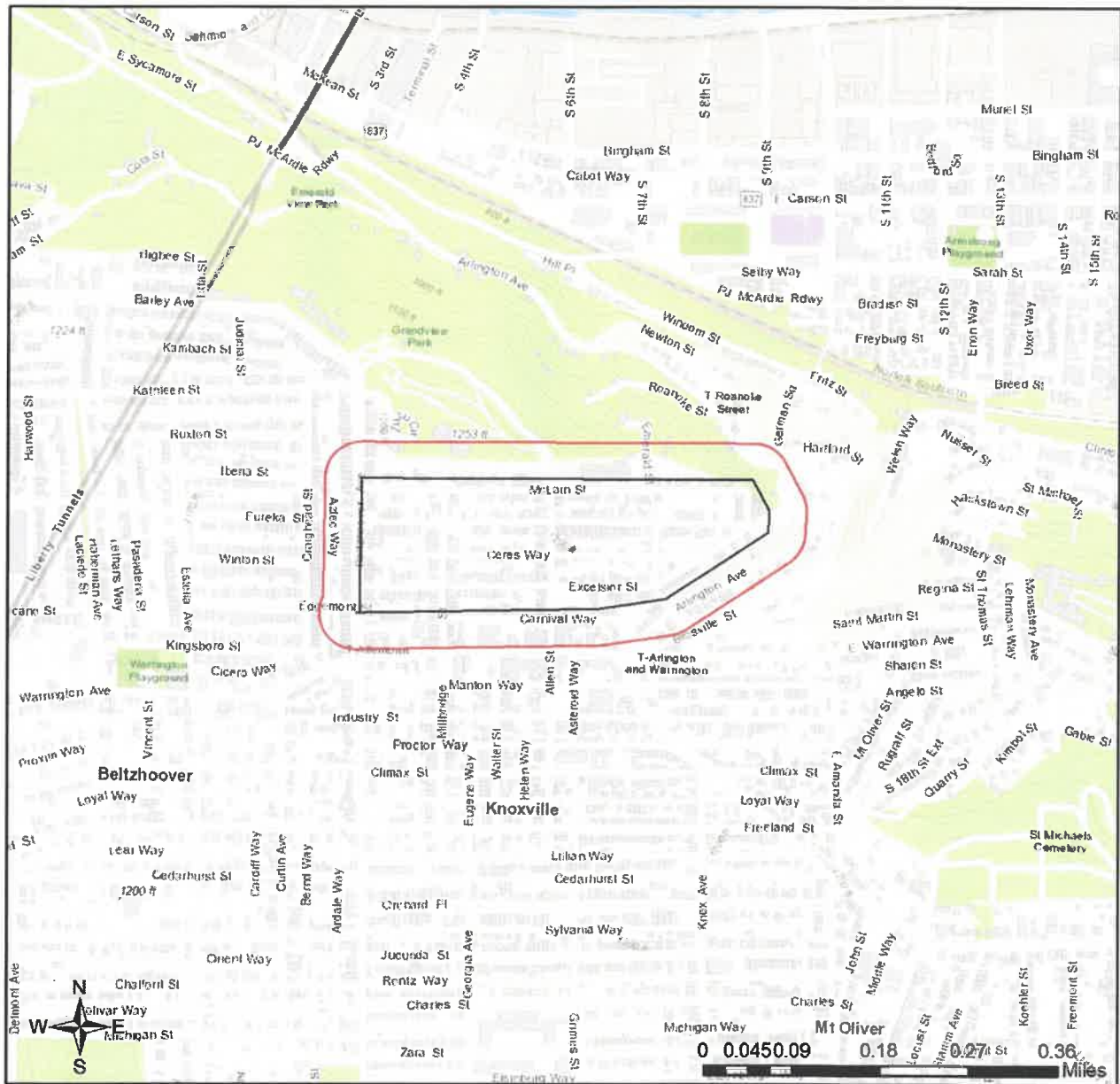


- Project Boundary
- Buffered Project Boundary



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

Grandview South



- Project Boundary
- Buffered Project Boundary

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



RESPONSE TO QUESTION(S) ASKED

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

Your answer is: No forests, woodlots or trees will be affected by the project.

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

Your answer is: No

3. AGENCY COMMENTS

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

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

PA Game Commission

RESPONSE:

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

PA Department of Conservation and Natural Resources

RESPONSE:

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

PA Fish and Boat Commission

RESPONSE:

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

U.S. Fish and Wildlife Service

RESPONSE:

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

4. DEP INFORMATION

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

5. ADDITIONAL INFORMATION

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

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

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

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

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

7. PROJECT CONTACT INFORMATION

Name: DAN GRAPER
Company/Business Name: FAHRINGER McCARTY GRET INC.
Address: 1610 GOLDEN MILE HWY
City, State, Zip: MONROEVILLE, PA 15146
Phone: (724) 327-0599 Fax: (724) 733-4577
Email: DGRAPER@FMGINC.US

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.

Dan Graper
applicant/project proponent signature

4/7/2022
date

**SECTION H –
ALTERNATIVE ANALYSIS**

Hydraulic Flow Calculations : 717-719 Eureka

a. Design and/or Permitted Capacity (gpd)

Peak Design Capacity:

Using Manning's Equation for full-flow conditions,
Peak Design Flow = 15.9468 cfs = **10,305,997 gpd**

Existing sewer main along Millbridge Street (MLCS) that proposed flow will be conveyed to:

Existing Junction JCT003N004 invert = 477.81
Existing Manhole #MH003N002 invert = 477.00
Length between Manholes = 10.04
Pipe diameter = 15 inch
Pipe material = VCP
"n" coefficient = 0.015
Slope = 0.0807 ft/ft
Area = 1.227 sf
Perimeter = 3.927ft
Hydraulic Radius = 0.313 ft

Average Design Capacity:

= Peak Design Capacity ÷ Peaking Factor (3.5 for Combination Sewers)
= **10,305,997 gpd ÷ 3.5 = 2,944,571 gpd**

b. Present Flows (gpd)

Present Peak Flow:

Present flow of 1.79 inches was measured by Drnach Environmental on April 27, 2022

Using Manning's Equation, for partially filled pipes,
Present Average Flow = 0.4849 cfs = **313,396 gpd**

Existing sewer main along Broadhead Fording that proposed flow will be conveyed to:

Existing Junction JCT003N004 invert = 477.81
Existing Manhole #MH003N002 invert = 477.00
Length between Manholes = 10.04
Pipe diameter = 15 inch
Pipe material = VCP
"n" coefficient = 0.015
Slope = 0.0807 ft/ft

Present Average Flow:

= Present Peak Flow divided by Peaking Factor (3.5 for Combination Sewers)
= 313,396 gpd / 3.5 = **89,542 gpd**

c. Projected Flows in 5 years (gpd)

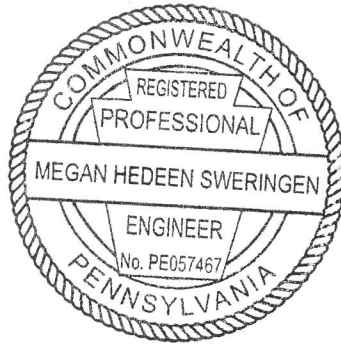
The project flow should represent a 5% increase from the sum of the present flow and the project flow due to increased density (per PWSA Procedures Manual for Developers)

Projected Peak Flow in 5 Years:

$$\begin{aligned} &= (\text{Present Peak Flow} + \text{Project Flow}) \times 1.05 \text{ (+5.0\% Flow Increase over 5 Years)} \\ &= (313,916 \text{ gpd} + 800 \text{ gpd}) \times 1.05 = \mathbf{329,906 \text{ gpd}} \end{aligned}$$

Projected Average Flow in 5 Years:

$$\begin{aligned} &= \text{Projected Peak Flow in 5 Years} \div \text{Peaking Factor (3.5 for Combination Sewers)} \\ &= 329,906 \text{ gpd} \div 3.5 = \mathbf{94,259 \text{ gpd}} \end{aligned}$$



PROJECT ALTERNATIVES ANALYSIS

For Hilltop Alliance Sites

Applicant: Brian Almeter, Fahringer, McCarty, Grey Inc.
Agent for: Gatesburg Road Development

Sewage Conveyance and Treatment Alternatives:

The proposed single family units are to be serviced by connecting to the existing public system located in the adjacent public streets. These private service lines will be gravity flow to the main publically owned lines. The proposed private lateral locations were chosen to provide direct discharge from the building into this existing public system.

The adjacent land uses include existing multi-story dwelling units, and single family residences that are typical of a mixed urban environment. The property is proposed to be developed in its entirety with no additional future development occurring on adjacent tracts. This project is considered an “urban” redevelopment.

This project is a private development. The adjacent public systems are adequately sized to accept the flows from the proposed two (2) dwelling units as well as the existing uses surrounding this development. Improvements to the existing public system are not necessary or proposed at this time.

This method of sewage disposal is consistent with PWSA’s standards. The parcels proposed for development do not allow for on-lot sewage treatment or individual treatment facilities. In addition, the soil conditions are not conducive to perk sewer from the dwelling units. No other sewage conveyance or treatment options are available for this urban in-fill residential project.

**SECTION J –
CHAPTER 94 –
CONSISTENCY DETERMINATION**

January 26, 2022

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: | 719 Eureka Street |
| Project Address: | 719 Eureka Street Pittsburgh, PA 15210 |
| Net Flow, gpd: | 400 |
| EDU's, 400gpd/EDU: | 1.0 |

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 x5532 or RHerring@pgh2o.com.

Sincerely,

Robert Herring, PE, PMP
Senior Project Manager

cc: CityGrows – Filing System

CONSISTENCY COMPONENTS

COMPONENT 4A – MUNICIPALITY PLANNING AGENCY REVIEW
COMPONENT 4C – COUNTY HEALTH AGENCY REVIEW



INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

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

Background

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

Who Should Complete the Component?

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

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

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

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

Section A. Project Name

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

Section B. Review Schedule

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

Section C. Agency Review

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

Section D. Additional Comments

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

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
719 Eureka St

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

1. Date plan received by municipal planning agency 5/19/2022
2. Date review completed by agency 5/23/2022

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

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

SECTION C. AGENCY REVIEW (continued)

| Yes | No | |
|---|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies <u>under review</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision? |
| <input type="checkbox"/> | <input type="checkbox"/> | If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____ |
| 17. Name, title and signature of planning agency staff member completing this section: Name: <u>Kyla Prendergast</u> Title: <u>Senior Environmental Planner</u> Signature: <u><i>Kyla Prendergast</i></u> Date: <u>5/23/2022</u> Name of Municipal Planning Agency: <u>City of Pittsburgh Department of City Planning</u> Address <u>200 Ross St, 4th Floor, Pittsburgh, PA 15219</u> Telephone Number: <u>412-255-2516</u> | | |

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

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

The planning agency must complete this component within 60 days.

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



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.

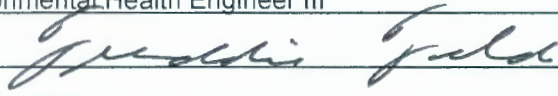
SECTION A. PROJECT NAME (See Section A of instructions)

Project Name
 Hilltop Alliance Sites

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

1. Date plan received by county or joint county health department July 27, 2022
 Agency name Allegheny County Health Department (ACHD)
2. Date review completed by agency July 28, 2022

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

| Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan? If no, what are the inconsistencies? _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 2. 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"/> | 3. Is there any known groundwater degradation in the area of this proposal? If yes, describe _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. The county or joint county health department recommendation concerning this proposed plan is as follows: <u>ACHD recommends approval. See attached letter.</u> |
| | | 5. Name, title and signature of person completing this section: Name: <u>Freddie Fields</u> Title: <u>Environmental Health Engineer III</u> Signature: <u></u> Date: <u>July 28, 2022</u> Name of County Health Department: <u>ACHD</u> Address: <u>3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318</u> Telephone Number: <u>412-578-8046</u> |

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

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

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

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

July 28, 2022

Kate Zakowski
Fahringer, McCarty, Grey, Inc.
1610 Golden Mile Highway
Monroeville, PA 15146

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
Hilltop Alliance Sites, City of Pittsburgh**

Dear Ms. Zakowski:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on July 27, 2022. The project proposes the following:

| | |
|---------------------------------|---|
| Project Description: | Hilltop Alliance Sites. Proposing to purchase the 719 Eureka Street property to develop affordable housing on the property and will consist of subdividing the lot into two (2) lots, constructing one (1) single-family residential unit on each new parcel and renting the units to qualified person/s located in the City of Pittsburgh, Allegheny County. |
| Sewage Flow: | 800 GPD |
| Conveyance: | The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to the ALCOSAN POC S-32 to the Sawmill Run Interceptor and then to the ALCOSAN Treatment Plant at Woods Run. |
| Sewer's Owner: | PWSA (collection) and ALCOSAN (interceptor) |
| Name of Sewage Treatment Plant: | ALCOSAN |

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



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

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



Ms. Kate Zakowski
July 28, 2022
Page 2

In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, you can contact Drew Grese, Acting Plumbing Chief at 412-578-8055.

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

Sincerely,



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

FF/cb
Enclosure

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