Sewage Facilities Planning Module Application Packages

for

Garfield Highlands

City of Pittsburgh
Allegheny County, PA

December 10, 2021

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. 4996-01

Table of Contents

3800-FM-BPNPSM0353 Rev. 2/2015
Form

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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 Garfield Highlands

2. Brief Project Description Proposes construction of five duplexes and one triplex on multiple parcels within the Garfield neighborhood in in the City of Pittsburgh. Upon completion, there will be 13 residential units constructed on Rosetta Stret and North Aiken Avenue requiring Planning Module Submission

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	☒	☐	☐

Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Battistone	Martina			Senior Environmelta 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

Garfield Highlands

Site Location Line 1	Site Location Line 2
Rosetta Street to North Aiken Avenue	East End

Site Location Last Line -- City	State	ZIP+4	Latitude	Longitude
Pittsburgh	PA	15224	40°28'01.9"N	79°56'11.8"W

Detailed Written Directions to Site From Downtown Pittsburgh, take Penn Avenue East to North Atlantic Ave. Turn left onto North Atlantic Ave, and sites are scattered along Jordan Way, Kincaid St., Brown Way, Rosetta St., Shamrock Way, Elora Way, and North Aiken Ave.

Description of Site Proposed project includes multiple sites within the Garfield Neighborhod. Area of proposed development bounded by North Atlantic Ave., North Graham St., Jordan Way, and Hillcrest St.

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	ZIP+4
State College	PA	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 13

Connections 13

Name of:

existing collection or conveyance system N. Aiken Ave., Brown Way, Shamrock Way - 15" VCP

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny 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 Woods Run WWTP

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number _____

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

b. The following certification statement must be completed and signed by the wastewater treatment facility permitee 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 Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams Date 01/20/2022

(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 permitee. The permitee 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.

SECTION J INFORMATION APPLIES TO 5368-5370 AND 5375-5377 ROSETTA STREET PROPERTIES. INFORMATION COMBINED, AS MLS IS THE SAME.

☐ 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 **1,600** gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

   When providing "treatment facilties" 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	3860031	13510107	1179405	4127919	1238856	4335995
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

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

   YES NO

   a. ☐ ☒ This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

   b. Collection System

   Name of Agency, Authority, Municipality Pittsburgh Water and Sewer Authority (PWSA)

   Name of Responsible Agent Barry K. King, P.E., PMP

   Agent Signature Digitally signed by Barry K. King, P.E., PMP DN: cn=Barry K. King, P.E., PMP, c=US, email=bking@pgh2o.com Reason: I am approving this document Date: 2021.11.22 16:25:21 -05'00' Date 11/22/2021

5368-5370 AND 5375-5377 ROSETTA STREET PROPERTIES: SHEET 1 OF 2

SECTION J INFORMATION APPLIES TO 5368-5370 AND 5375-5377 ROSETTA STREET PROPERTIES. INFORMATION COMBINED, AS MLS IS THE SAME.

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

c. Conveyance System

Name of Agency, Authority, Municipality Alcosan

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature

Date 01/20/2022

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 Shawn P. McWilliams, EIT

Agent Signature

Date 01/20/2022

☐ 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.

5368-5370 AND 5375-5377 ROSETTA STREET PROPERTIES:
SHEET 2 OF 2

SECTION J INFORMATION APPLIES TO 213-215 N AIKEN AVENUE PROPERTIES.

☐ 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 facilties" 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	3159316	111057606	5091	17817	5585	19548
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

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

   YES NO

   a. ☐ ☒ This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

   b. Collection System

   Name of Agency, Authority, Municipality Pittsburgh Water and Sewer Authority (PWSA)

   Name of Responsible Agent Barry K. King, P.E., PMP

   Agent Signature Digitally signed by Barry K. King, P.E., PMP DN: cn=Barry K. King, P.E., PMP c=US, email=bking@pgh2o.com Reason: I am approving this document Date: 2021.11.22 16:25:47 -05'00' Date 11/22/2021

213-215 N AIKEN AVENUE PROPERTIES: SHEET 1 OF 2

SECTION J INFORMATION APPLIES TO
213-215 N AIKEN AVENUE PROPERTIES.

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

c. Conveyance System

Name of Agency, Authority, Municipality Alcosan

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature

Date 01/20/2022

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 Shawn P. McWilliams, EIT

Agent Signature

Date 01/20/2022

☐ 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.

SECTION J INFORMATION APPLIES TO 405-431 N AIKEN AVENUE PROPERTIES.

☐ 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 **2,800** gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilties" 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	4692303	16423060	22455	78593	24418	85463
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

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

YES NO

a. ☐ ☒ This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

b. Collection System

Name of Agency, Authority, Municipality Pittsburgh Water and Sewer Authority (PWSA)

Name of Responsible Agent Barry K. King, P.E., PMP

Agent Signature Digitally signed by Barry K. King, P.E., PMP DN: cn=Barry K. King, P.E., PMP, c=US, email=bking@pgh2o.com Reason: I am approving this document Date: 2021.11.22 16:26:02 -05'00' Date 11/22/2021

405-431 N AIKEN AVENUE PROPERTIES: SHEET 1 OF 2

SECTION J INFORMATION APPLIES TO
405-431 N AIKEN AVENUE PROPERTIES.

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

c. Conveyance System

Name of Agency, Authority, Municipality Alcosan

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams

Date 01/20/2022

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 Shawn P. McWilliams, EIT

Agent Signature Shawn P. McWilliams

Date 01/20/2022

☐ 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.

405-431 N AIKEN AVENUE PROPERTIES:
SHEET 2 OF 2

☐ 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 puchase 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.

Brian Almeter	[signature]
Name (Print)	Signature
Project Landscape Architect	10/15/2021
Title	Date
1610 Golden Mile Highway	724-327-0599
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 $ 650.00 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.

☐ I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for 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.

   #13 Lots (or EDUs) X $50.00 = $ 650.00

   The fee is based upon:

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

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

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

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

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

   #_____ 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)

alcosan
allegheny county sanitary authority

January 20, 2022

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

Re: Garfield Highlands, City of Pittsburgh – 10th Ward, Allegheny County
5368-5370, 5375-5377 Rosetta Street; 213-215, 405-431 N. Aiken Avenue
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure A-22-00

Dear Ms. Zakowski:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 10th Ward. The project will generate a combined peak flow of 5,200 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

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

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

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Shawn P. McWilliams, EIT
Civil Engineer

Attachment

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

SECTION C – AVILABILITY OF DRINKING SUPPLY

Pittsburgh Water & Sewer Authority

June 24, 2021

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

Subject: Water and Sewer (W&S) Use Approval
Project Name: Garfield Highlands Scattered Sites – 5368-5370 Rosetta Street (Project)
PWSA Project No.: 20014.15

Dear Kate:

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

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	800	800
Existing Flow	0	0
Net Flow	800	800

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

☒ Peak Flow Depth Measurements (Sanitary Net Flow ≤ 4,000 gpd)
☐ Flow Monitoring (Sanitary Net Flow > 4,000 gpd)

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x6875 or awynn@pgh2o.com.

Sincerely,

Ari Wynn
Co-op Intern

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

Water and Sewer Use Application Form

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

Requirements

☒ Application Fee ☒ W/S Use Application ☒ Site Plans

☒ Floor Plans ☒ Narrative ☒ Flow Calculations

Project Info

Project Name: GARFIELD HIGHLANDS - 5368-5370 ROSETTA

Address: 5368-5370 ROSETTA ST.

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

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

Owner/Developer

Firm Name: GATESBURG ROAD DEVELOPMENT

Address: 2121 OLD GATESBURGH ROAD, STATE COLLEG, PA 16803

Contact Name: COREY LOVRAK

Email: CLOVRAK@GATESBURGDEVELOPMENT.COM

Phone Number: (814) 272-8945

Consultant

Firm Name: FAHRINGER, McCARTY, GREY, INC.

Address: 1610 GOLDEN MILE HIGHWAY

Contact Name: BRIAN ALMETER, KATE ZAKOWSKI

Email: ALMETER@FMGINC.US, KZAKOWSKI@FMGINC.US

Phone Number: (724) 327-0599

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	800	800
Existing Flow	0	0
Net Flow	800	800

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

Name, printed: KATE ZAKOWSKI

Signature: Kate Zakowski - digital signature

Date: 05-26-2021

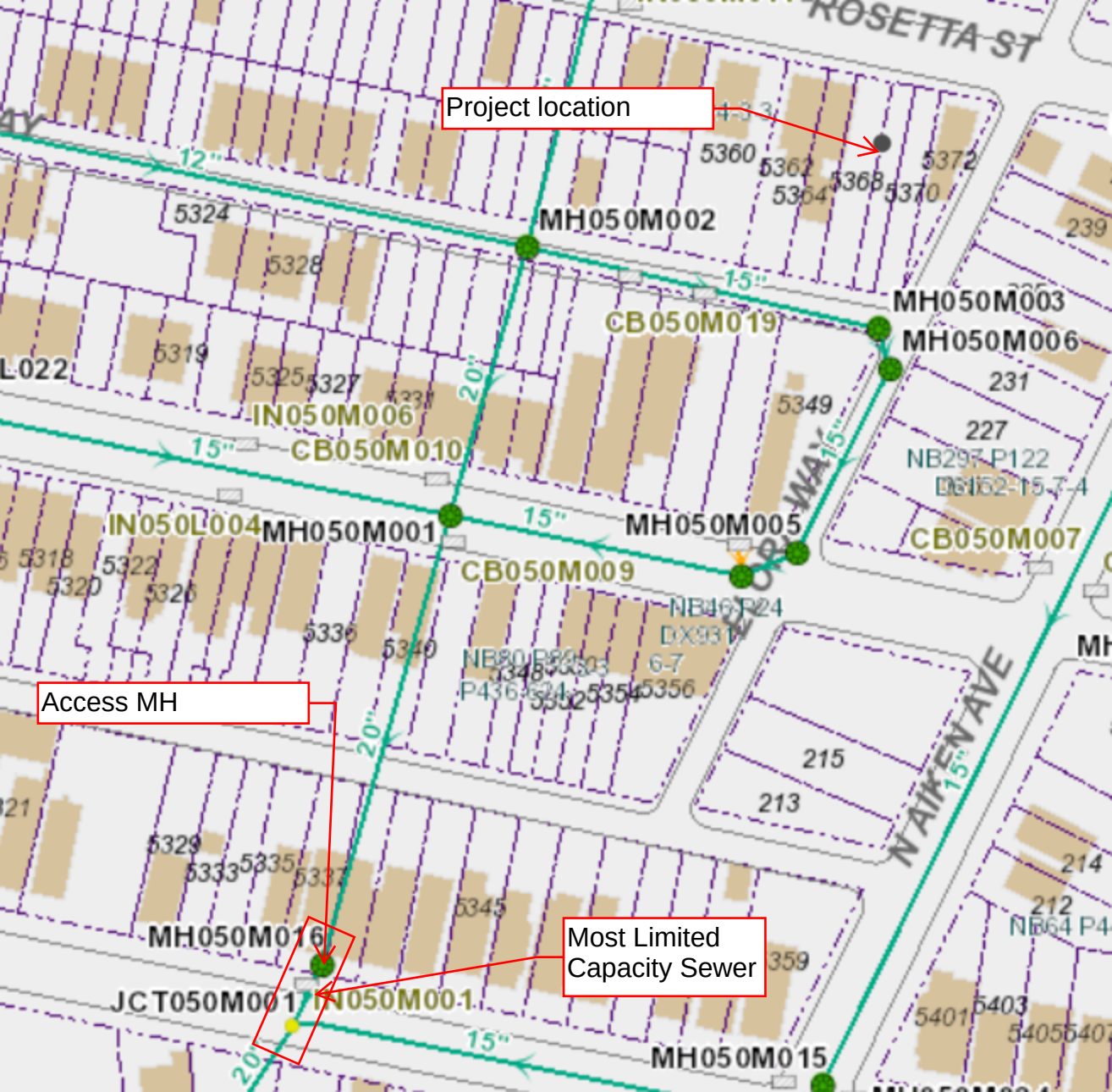
Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	Garfield Highlands Scattered Sites 5368-5370 Rosetta Street
PWSA PROJECT NUMBER:	20014.15
PWSA REVIEWER:	Ari Wynn
DATE:	June 28, 2021

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH050M003	MH050M006	1039.10	1038.70	21.47	15	VCP	0.015	1.23	3.927	1.86%	4,952,195
MH050M006	MH050M005	1038.70	1028.60	106.85	15	VCP	0.015	1.23	3.927	9.45%	11,154,682
MH050M005	MH050M004	1028.60	1024.50	30.30	15	VCP	0.015	1.23	3.927	13.53%	13,346,100
MH050M004	MH050M001	1024.50	1003.00	154.50	15	VCP	0.015	1.23	3.927	13.92%	13,534,392
MH050M001	MH050M016	1003.00	987.00	249.08	20	VCP	0.015	2.18	5.236	6.42%	19,803,607
MH050M016	JCT050M001	987.00	986.00	33.39	20	VCP	0.015	2.18	5.236	2.99%	13,522,143
JCT050M001	MH050L024	986.00	978.20	122.82	20	VCP	0.015	2.18	5.236	6.35%	19,690,942


Project location
Access MH
Most Limited Capacity Sewer
MH050M002
MH050M003
MH050M006
CB050M019
IN050M006
CB050M010
IN050L004
MH050M001
MH050M005
CB050M009
CB050M007
MH050M016
JCT050M001
IN050M001
MH050M015
ROSETTA ST
EDGEWAY
N AIKEN AVE
12"
15"
20"
5324
5328
5319
5325
5327
5331
5349
5360
5361
5364
5368
5370
5372
5318
5322
5320
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5401
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5407
231
227
215
213
214
212
239
NB297 P122
NB464 P24
DX931
6-7

Pittsburgh Water & Sewer Authority

6/24/2021

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

Subject: Water and Sewer (W&S) Use Approval
Project Name: Garfield Highlands Scattered Sites – 5375-5377 Rosetta Street (Project)
PWSA Project No.: 20014.15

Dear Kate:

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

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	800	800
Existing Flow	0	0
Net Flow	800	800

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

☒ Peak Flow Depth Measurements (Sanitary Net Flow ≤ 4,000 gpd)
☐ Flow Monitoring (Sanitary Net Flow > 4,000 gpd)

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x6875 or awynn@pgh2o.com.

Sincerely,

Ari Wynn
Co-op Intern

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

Water and Sewer Use Application Form

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

Requirements

☒ Application Fee ☒ W/S Use Application ☒ Site Plans

☒ Floor Plans ☒ Narrative ☒ Flow Calculations

Project Info

Project Name: GARFIELD HIGHLANDS - 5375-5377 ROSETTA

Address: 5375-5377 ROSETTA ST.

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

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

Owner/Developer

Firm Name: GATESBURG ROAD DEVELOPMENT

Address: 2121 OLD GATESBURGH ROAD, STATE COLLEG, PA 16803

Contact Name: COREY LOVRAK

Email: CLOVRAK@GATESBURGDEVELOPMENT.COM

Phone Number: (814) 272-8945

Consultant

Firm Name: FAHRINGER, McCARTY, GREY, INC.

Address: 1610 GOLDEN MILE HIGHWAY

Contact Name: BRIAN ALMETER, KATE ZAKOWSKI

Email: ALMETER@FMGINC.US, KZAKOWSKI@FMGINC.US

Phone Number: (724) 327-0599

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	800	800
Existing Flow	0	0
Net Flow	800	800

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

Name, printed: KATE ZAKOWSKI

Signature: Kate Zakowski - digital signature

Date: 05-26-2021

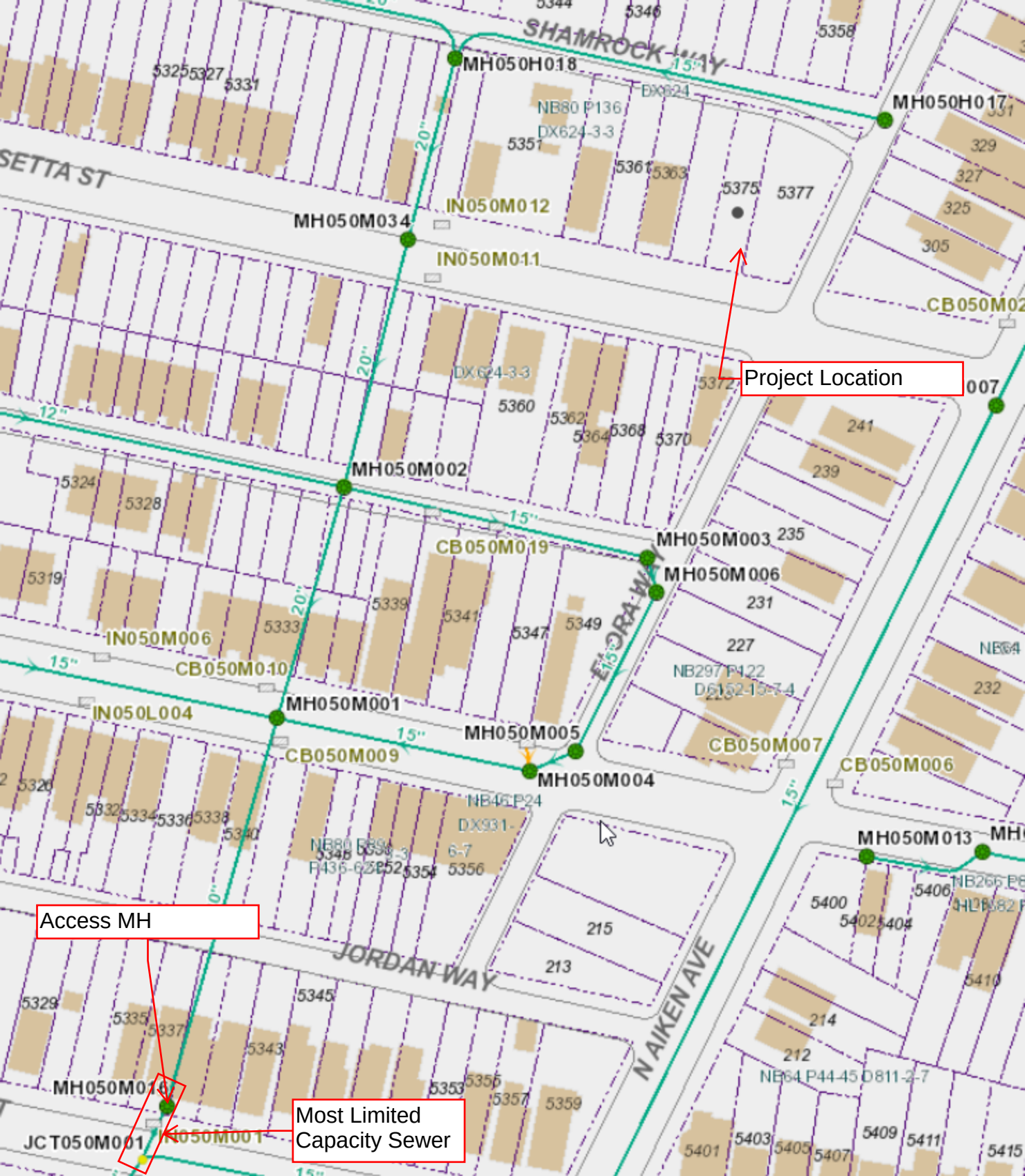
Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	Garfield Highlands Scattered Sites 5375-5377 Rosetta Street
PWSA PROJECT NUMBER:	20014.15
PWSA REVIEWER:	Ari Wynn
DATE:	June 28, 2021

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH050H017	MH050H018	1067.40	1049.40	270.27	15	VCP	0.015	1.23	3.927	6.66%	9,363,131
MH050H018	MH050M034	1049.40	1045.40	112.68	20	VCP	0.015	2.18	5.236	3.55%	14,721,779
MH050M034	MH050M002	1045.40	1032.20	153.37	20	VCP	0.015	2.18	5.236	8.61%	22,922,949
MH050M002	MH050M001	1032.20	1003.00	144.35	20	VCP	0.015	2.18	5.236	20.23%	35,142,832
MH050M001	MH050M016	1003.00	987.00	249.08	20	VCP	0.015	2.18	5.236	6.42%	19,803,607
MH050M016	JCT050M001	987.00	986.00	33.39	20	VCP	0.015	2.18	5.236	2.99%	13,522,143
JCT050M001	MH050L024	986.00	978.20	122.82	20	VCP	0.015	2.18	5.236	6.35%	19,690,942


SHAMROCK WAY
MH050H018
MH050H017
SETTA ST
MH050M034
IN050M012
IN050M011
Project Location
MH050M002
MH050M003
CB050M019
MH050M006
ELORA WAY
IN050M006
CB050M010
MH050M001
IN050L004
MH050M005
CB050M009
MH050M004
CB050M007
CB050M006
MH050M013
JORDAN WAY
N AIKEN AVE
Access MH
MH050M001
JCT050M001
IN050M001
Most Limited Capacity Sewer

Pittsburgh Water & Sewer Authority

6/25/2021

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

Subject: Water and Sewer (W&S) Use Approval
Project Name: Garfield Highlands Scattered Sites – 213-215 N. Aiken Avenue (Project)
PWSA Project No.: 20014.15

Dear Kate:

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

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	800	800
Existing Flow	0	0
Net Flow	800	800

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

☒ Peak Flow Depth Measurements (Sanitary Net Flow ≤ 4,000 gpd)
☐ Flow Monitoring (Sanitary Net Flow > 4,000 gpd)

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x6875 or awynn@pgh2o.com.

Sincerely,

Ari Wynn
Co-op Intern

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

Water and Sewer Use Application Form

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

Requirements

☒ Application Fee ☒ W/S Use Application ☒ Site Plans

☒ Floor Plans ☒ Narrative ☒ Flow Calculations

Project Info

Project Name: GARFIELD HIGHLANDS - 213-215 N. AIKEN AVE.

Address: 213-215 N. AIKEN AVE.

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

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

Owner/Developer

Firm Name: GATESBURG ROAD DEVELOPMENT

Address: 2121 OLD GATESBURGH ROAD, STATE COLLEG, PA 16803

Contact Name: COREY LOVRAK

Email: CLOVRAK@GATESBURGDEVELOPMENT.COM

Phone Number: (814) 272-8945

Consultant

Firm Name: FAHRINGER, McCARTY, GREY, INC.

Address: 1610 GOLDEN MILE HIGHWAY

Contact Name: BRIAN ALMETER, KATE ZAKOWSKI

Email: ALMETER@FMGINC.US, KZAKOWSKI@FMGINC.US

Phone Number: (724) 327-0599

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	800	800
Existing Flow	0	0
Net Flow	800	800

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

Name, printed: KATE ZAKOWSKI

Signature: Kate Zakowski - digital signature

Date: 05-26-2021

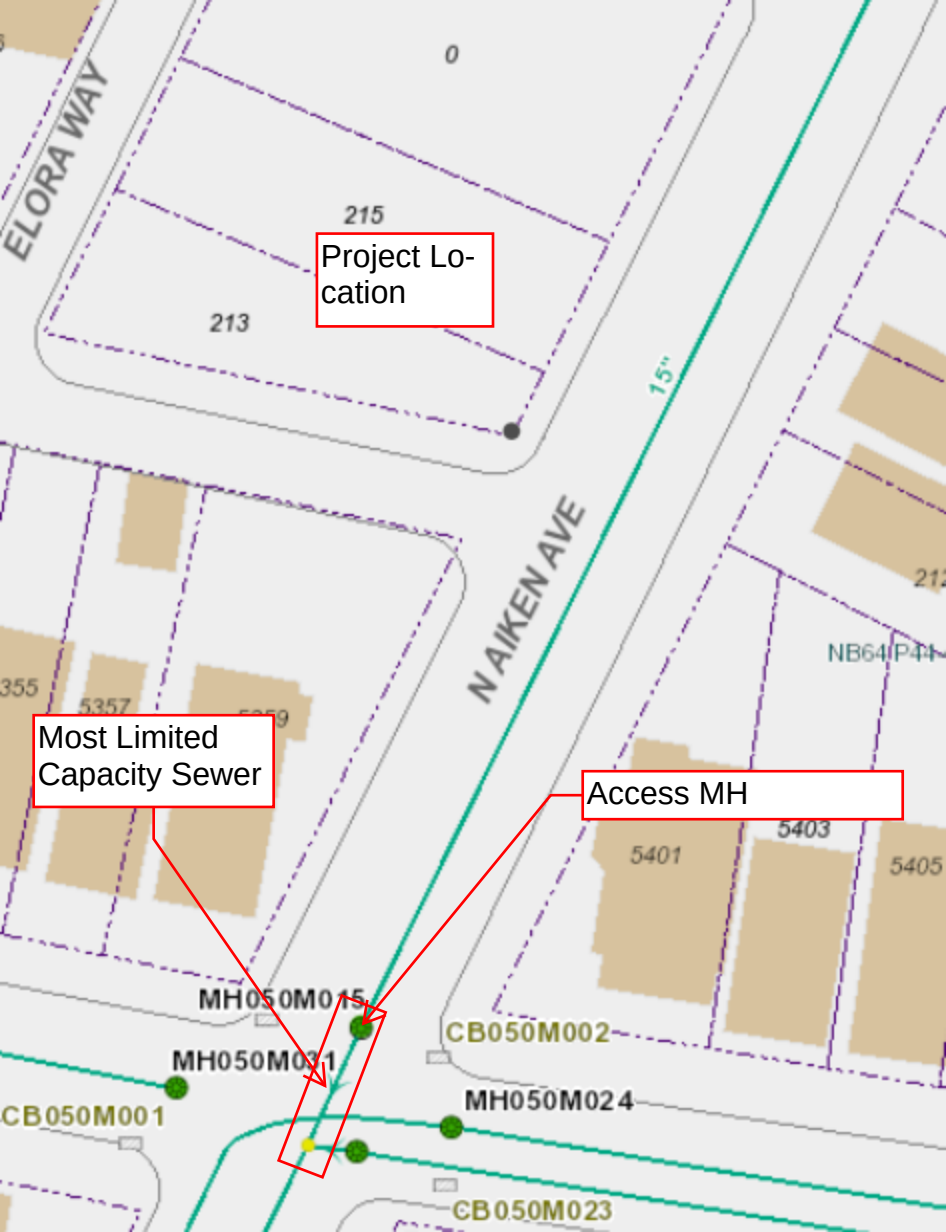
Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	Garfield Highlands Scattered Sites 213-215 N. Aiken Avenue
PWSA PROJECT NUMBER:	20014.15
PWSA REVIEWER:	Ari Wynn
DATE:	June 25, 2021

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH050M007	MH050M015	1057.00	994.70	538.51	15	VCP	0.015	1.23	3.927	11.57%	12,340,447
MH050M015	JCT050M002	994.70	992.20	26.91	15	VCP	0.015	1.23	3.927	9.29%	11,058,518
JCT050M002	MH050S006	992.20	959.90	278.82	15	VCP	0.015	1.23	3.927	11.58%	12,348,752
MH050S006	JCT050S002	959.90	958.90	40.98	42	Brick	0.016	9.62	10.996	2.44%	82,754,283
JCT050S002	MH050R0008	958.90	957.40	514.81	42	Brick	0.016	9.62	10.996	0.29%	28,595,560
MH050R008	MH051C012	957.40	955.80	502.08	42	Brick	0.016	9.62	10.996	0.32%	29,905,426
MH051C012	MH051C004	955.80	944.00	511.33	42	Brick	0.016	9.62	10.996	2.31%	80,476,082
MH051C004	MH051G011	944.00	920.00	544.13	36	Brick	0.016	7.07	9.425	4.41%	73,757,463
MH051G011	MH051G012	920.00	903.00	523.98	36	Brick	0.016	7.07	9.425	3.24%	63,258,486
MH051G012	MH051L007	903.00	877.40	512.82	36	Brick	0.016	7.07	9.425	4.99%	78,467,387
MH051L007	MH051L012	877.40	876.20	30.36	36	Brick	0.016	7.07	9.425	3.95%	69,821,862


ELORA WAY
0
215
213
Project Location
15"
N AIKEN AVE
NB64 P41
5357
5401
5403
5405
Most Limited Capacity Sewer
Access MH
MH050M015
MH050M031
CB050M001
CB050M002
MH050M024
CB050M023

Pittsburgh Water & Sewer Authority

6/23/2021

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

Subject: Water and Sewer (W&S) Use Approval
Project Name: Garfield Highlands Scattered Sites – 405-431 N. Aiken Avenue (Project)
PWSA Project No.: 20014.15

Dear Kate:

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

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	2800	2800
Existing Flow	0	0
Net Flow	2800	2800

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

☒ Peak Flow Depth Measurements (Sanitary Net Flow ≤ 4,000 gpd)
☐ Flow Monitoring (Sanitary Net Flow > 4,000 gpd)

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x6875 or awynn@pgh2o.com.

Sincerely,

Ari Wynn
Co-op Intern

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

Water and Sewer Use Application Form

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

Requirements

☒ Application Fee ☒ W/S Use Application ☒ Site Plans

☒ Floor Plans ☒ Narrative ☒ Flow Calculations

Project Info

Project Name: GARFIELD HIGHLANDS - 405-431 N. AIKEN AVE.

Address: 405-431 N. AIKEN AVE.

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

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

Owner/Developer

Firm Name: GATESBURG ROAD DEVELOPMENT

Address: 2121 OLD GATESBURGH ROAD, STATE COLLEG, PA 16803

Contact Name: COREY LOVRAK

Email: CLOVRAK@GATESBURGDEVELOPMENT.COM

Phone Number: (814) 272-8945

Consultant

Firm Name: FAHRINGER, McCARTY, GREY, INC.

Address: 1610 GOLDEN MILE HIGHWAY

Contact Name: BRIAN ALMETER, KATE ZAKOWSKI

Email: ALMETER@FMGINC.US, KZAKOWSKI@FMGINC.US

Phone Number: (724) 327-0599

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	2800	2800
Existing Flow	0	0
Net Flow	2800	2800

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

Name, printed: KATE ZAKOWSKI

Signature: Kate Zakowski - digital signature

Date: 05-26-2021

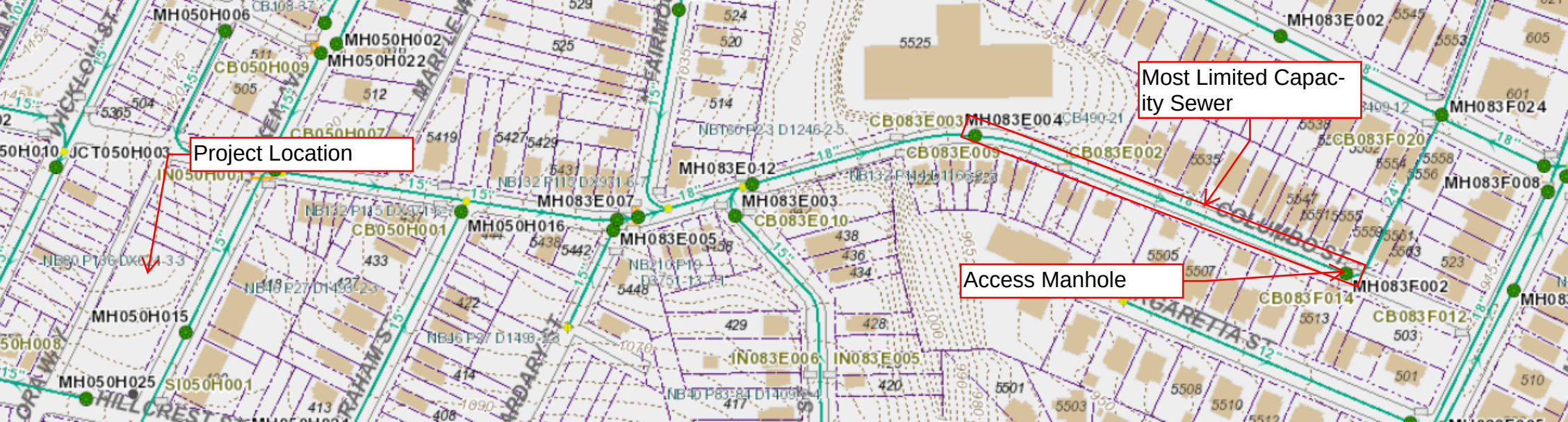
Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	Garfield Highlands Scattered Sites 405-431 N. Aiken Avenue
PWSA PROJECT NUMBER:	20014.15
PWSA REVIEWER:	Ari Wynn
DATE:	June 28, 2021

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH050H015	MH050H011	1096.20	1078.30	263.76	15	VCP	0.015	1.23	3.927	6.79%	9,451,610
MH050H011	JCT050H004	1078.30	1077.30	9.95	15	VCP	0.015	1.23	3.927	10.05%	11,501,970
JCT050H004	JCT050H005	1077.30	1050.00	261.12	15	VCP	0.015	1.23	3.927	10.45%	11,731,270
JCT050H005	MH083E013	1050.00	1015.50	210.55	15	VCP	0.015	1.23	3.927	16.39%	14,686,411
MH083E013	MH083E007	1015.50	1012.50	30.74	15	VCP	0.015	1.23	3.927	9.76%	11,334,241
MH083E007	JCT083E003	1012.50	1010.00	44.02	18	VCP	0.015	1.77	4.712	5.68%	14,059,787
JCT083E003	MH083E012	1010.00	1004.20	107.37	18	VCP	0.015	1.77	4.712	5.40%	13,712,173
MH083E012	MH083E004	1004.20	953.40	334.02	18	VCP	0.015	1.77	4.712	15.21%	23,008,027
MH083E004	MH083F002	953.40	910.60	552.32	18	VCP	0.015	1.77	4.712	7.75%	16,423,294
MH083E002	MH083F024	910.60	904.10	271.83	24	VCP	0.015	3.14	6.283	2.39%	19,647,699
MH083F024	MH083B004	904.10	901.00	397.50	30	VCP	0.015	4.91	7.854	0.78%	20,344,298
MH083B004	MH083B001	901.00	896.20	330.03	30	VCP	0.015	4.91	7.854	1.45%	27,782,692


Project Location
Most Limited Capac-
ity Sewer
Access Manhole
MH050H006
MH050H002
MH050H022
CB050H009
CB050H007
JCT050H003
IN050H001
MH050H016
MH083E007
MH083E005
MH083E012
MH083E003
CB083E010
CB083E003
MH083E004
CB083E009
CB083E002
MH083E002
MH083F024
CB083F020
MH083F008
CB083F014
CB083F012
MH050H015
MH050H025
SI050H001
IN083E006
IN083E005
CB050H001
COLUMBOST
GARETTA ST
WICKLOW ST
FAIRMONT
GRAHAM ST
HILLCREST

SECTION F – PROJECT NARRATIVE

PROJECT NARRATIVE
For
Garfield Highlands
City of Pittsburgh – 10th Ward

Applicant: Brian J. Almeter, Fahringer, McCarty, Grey Inc.
Agent for: Gatesburg Road Development
Date: July 23, 2021

Project Site Location, Zoning Classification and Proposed Use:

The general community area to be developed is located between Hillcrest Street and Jordan Way (north/south direction) and from North Atlantic Avenue to North Graham Street (east/west direction). The properties consist of eight (8) Tax Parcels currently owned by the City of Pittsburgh or the Urban Redevelopment Authority. A list of properties to be redeveloped is attached to this narrative. The sites are "scattered" within the four-block area and are currently vacant or abandoned properties.

Gatesburg Road Development is proposing to purchase these lots/parcels in order to develop and construct thirteen (13) residential units requiring PWSA Developer's Permit and Planning Module reviews. The proposed project includes a subdivision/consolidation plan to reconfigure the existing lots or tax parcels to accommodate the two and three-family dwelling units. The existing or reconfigured lots shall contain one dwelling unit.

The property being acquired will be fully developed as part of this construction. 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 open, vegetated lots.

The proposed water consumption and sanitary flow for the proposed thirteen (13) unit development single-family homes attached, are as estimated below based on PWSA Manual. There are no community buildings or common amenities associated with this infill housing development.

5368-5370 Rosetta St. :
2 dwellings x 400 gallons/day = 800 gallons/day

5375-5377 Rosetta St. :
2 dwellings x 400 gallons/day = 800 gallons/day

213-215 N. Aiken Ave. :
2 dwellings x 400 gallons/day = 800 gallons/day

405-431 N. Aiken Ave. :
7 dwellings x 400 gallons/day = 2,800 gallons/day

Total Development :
13 dwellings x 400 gallons/day = 5,200 gallons/day total

Garfield Highlands Total Sanitary Flow per day = 5,200 gallons per day
Garfield Highlands Total Water Usage per day = 5,200 gallons per day

Garfield Highlands Net Increase of Sanitary and Water Flow = 5,200 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 or alley right of ways. 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.

5375-5377 Rosetta:

EXISTING (2020): Q= CiA
Roof: Q = 0.95 x 7.1 x 0.00 = 0.0 cfs
Open: Q = 0.35 x 7.1 x 0.15 = 0.37 cfs
Total = 0.37 cfs

PROPOSED: Q = CiA
Roof: Q = 0.95 x 7.1 x 0.03 = 0.20 cfs
Lawn: Q = 0.30 x 7.1 x 0.12 = 0.26 cfs
Total = 0.46 cfs

5368-5370 Rosetta:

EXISTING (2020): Q= CiA
Roof: Q = 0.95 x 7.1 x 0.01 = 0.07 cfs
Open: Q = 0.35 x 7.1 x 0.09 = 0.22 cfs
Total = 0.29 cfs

PROPOSED: Q = CiA
Roof: Q = 0.95 x 7.1 x 0.03 = 0.20 cfs
Lawn: Q = 0.30 x 7.1 x 0.07 = 0.15 cfs
Total = 0.35 cfs

213-215 N. Aiken Ave:

EXISTING (2020): Q= CiA
Roof: Q = 0.95 x 7.1 x 0.00 = 0.0 cfs
Open: Q = 0.35 x 7.1 x 0.13 = 0.32 cfs
Total = 0.32 cfs

PROPOSED: Q = CiA
Roof: Q = 0.95 x 7.1 x 0.03 = 0.20 cfs
Lawn: Q = 0.30 x 7.1 x 0.10 = 0.21 cfs
Total = 0.41 cfs

A PCSM Plan has been prepared for these homes on 405-431 N. Aiken Avenue. The proposed development of these lots will utilize PCSM BMP's, inlets and pipes to control and convey the stormwater runoff from the proposed site to the public system.

405-431 N. Aiken Ave:

EXISTING (2020): 0.53 cfs
PROPOSED: 0.53 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.

Hydraulic Flow Calculations 5368-5377 Rosetta St.

a. Design and/or Permitted Capacity (gpd)

Peak Design Capacity:

Using Manning's Equation for full-flow conditions,
Peak Design Flow = 20.904 cfs = **13,510,107 gpd**

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

Existing Manhole #MH050M016 invert = 987.00
Existing Manhole #JCT050M001 invert = 986.00
Length between Manholes = 33.39'
Pipe diameter = 20 inch
Pipe material = VCP
"n" coefficient = 0.015
Slope = 0.0299 ft/ft
Area = 2.182 sf
Perimeter = 5.236ft
Hydraulic Radius = 0.417 ft

Average Design Capacity:

= Peak Design Capacity ÷ Peaking Factor (3.5 for Combination Sewers)
= 13,510,107 gpd ÷ 3.5 = **3,860,031 gpd**

b. Present Flows (gpd)

Present Average Flow:

Present flow of 4 inches was measured by Robinson Pipe on October 8th, 2021.

Using Manning's Equation, for partially filled pipes,
Present Average Flow = 1.825 cfs = **1,179,405 gpd**

Existing sewer main along Broad Street that proposed flow will be conveyed to:

Existing Manhole #MH050M016 invert = 987.00
Existing Manhole#JCT050M001 invert = 986.00
Length between Manholes = 33.39'
Pipe diameter = 20 inch
Pipe material = VCP
"n" coefficient = 0.015
Slope = 0.0299 ft/ft

Present Peak Flow:

= Present Average Flow multiplied by Peaking Factor (3.5 for Combination Sewers)
= 1,179,405 gpd X 3.5 = **4,127,919 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:

= (Present Peak Flow + Project Flow) X 1.05 (+5.0% Flow Increase over 5 Years)
= (4,127,919 gpd + 1,600 gpd) X 1.05 = **4,335,995 gpd**

Projected Average Flow in 5 Years:

= Projected Peak Flow in 5 Years ÷ Peaking Factor (3.5 for Combination Sewers)
= 4,335,995 gpd ÷ 3.5 = **1,238,856 gpd**

Hydraulic Flow Calculations 213-215 N. Aiken Ave.

a. Design and/or Permitted Capacity (gpd)

Peak Design Capacity:

Using Manning's Equation for full-flow conditions,
Peak Design Flow = 17.110 cfs = **11,057,606 gpd**

Existing sewer main along N. Aiken Ave (MLCS) that proposed flow will be conveyed to:

Existing Manhole #MH050M015 invert = 994.70
Existing Manhole #JCT050M002invert = 992.20
Length between Manholes = 26.91'
Pipe diameter = 15inch
Pipe material = VCP
"n" coefficient = 0.015
Slope = 0.0929ft/ft
Area = 1.23 sf
Perimeter = 3.927ft
Hydraulic Radius = 0.313 ft

Average Design Capacity:

= Peak Design Capacity ÷ Peaking Factor (3.5 for Combination Sewers)
= 11,057,606 gpd ÷ 3.5 = **3,159,316 gpd**

b. Present Flows (gpd)

Present Average Flow:

Present flow of 0.25 inches was measured by Robinson Pipe on October 8th, 2021.

Using Manning's Equation, for partially filled pipes,
Present Average Flow = 0.0079 cfs = 5,091 **gpd**

Existing sewer main along Broad Street that proposed flow will be conveyed to:

Existing Manhole #MH050M015 invert = 994.70
Existing Manhole #JCT050M002invert = 992.20
Length between Manholes = 26.91'
Pipe diameter = 15inch
Pipe material = VCP
"n" coefficient = 0.015
Slope = 0.0929ft/ft

Present Peak Flow:

= Present Average Flow multiplied by Peaking Factor (3.5 for Combination Sewers)
= 5,091 gpd X 3.5 = **17,817 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:

= (Present Peak Flow + Project Flow) X 1.05 (+5.0% Flow Increase over 5 Years)
= (17,817 gpd + 800 gpd) X 1.05 = **19,548 gpd**

Projected Average Flow in 5 Years:

= Projected Peak Flow in 5 Years ÷ Peaking Factor (3.5 for Combination Sewers)
= 19,548 gpd ÷ 3.5 = **5,585 gpd**

Hydraulic Flow Calculations 405-431 N. Aiken Ave.

a. Design and/or Permitted Capacity (gpd)

Peak Design Capacity:

Using Manning's Equation for full-flow conditions,
Peak Design Flow = 25.412 cfs = **16,423,060 gpd**

Existing sewer main along Columbo St. (MLCS) that proposed flow will be conveyed to:

Existing Manhole #MH083E004 invert = 953.40
Existing Manhole #MH083F002 invert = 910.60
Length between Manholes = 552.32'
Pipe diameter = 18 inch
Pipe material = VCP
"n" coefficient = 0.015
Slope = 0.0775 ft/ft
Area = 1.77 sf
Perimeter = 4.712 ft
Hydraulic Radius = 0.375 ft

Average Design Capacity:

= Peak Design Capacity ÷ Peaking Factor (3.5 for Combination Sewers)
= 16,423,060 gpd ÷ 3.5 = **4,692,303 gpd**

b. Present Flows (gpd)

Present Average Flow:

Present flow of 0.50 inches was measured by Robinson Pipe on October 8th, 2021.

Using Manning's Equation, for partially filled pipes,
Present Average Flow = 0.0347 cfs = **22,455 gpd**

Existing sewer main along Broad Street that proposed flow will be conveyed to:

Existing Manhole #MH083E004 invert = 953.40
Existing Manhole #MH083F002 invert = 910.60
Length between Manholes = 552.32'
Pipe diameter = 18 inch
Pipe material = VCP
"n" coefficient = 0.015
Slope = 0.0775 ft/ft

Present Peak Flow:

= Present Average Flow multiplied by Peaking Factor (3.5 for Combination Sewers)
= 22,455 gpd X 3.5 = **78,593 gpd**

c. Projected Flows in 5 years (gpd)

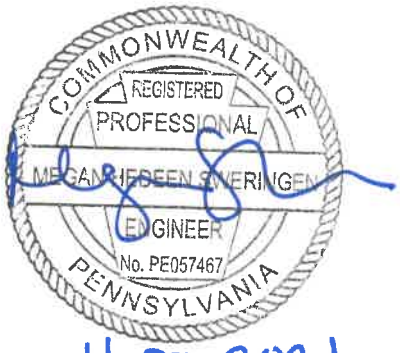
The project flow should represent a 5% increase from the sum of the present flow and the project flow due to increased density (per PWSA Procedures Manual for Developers)

Projected Peak Flow in 5 Years:

= (Present Peak Flow + Project Flow) X 1.05 (+5.0% Flow Increase over 5 Years)
= (78,593 gpd + 2800 gpd) X 1.05 = **85,463 gpd**

Projected Average Flow in 5 Years:

= Projected Peak Flow in 5 Years ÷ Peaking Factor (3.5 for Combination Sewers)
= 85,463gpd ÷ 3.5 = **24,418 gpd**



11.08.2021

ATTACHEMENT ONE

LIST OF PROPERTIES TO BE REDEVELOPED

For

Garfield Highlands
City of Pittsburgh – 10th Ward

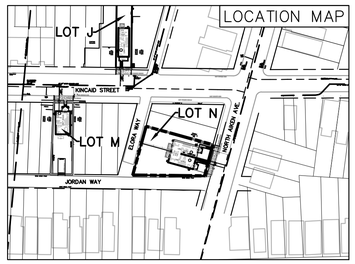
GARFIELD HIGHLANDS - DEVELOPER'S PERMIT SITES (PWSA)

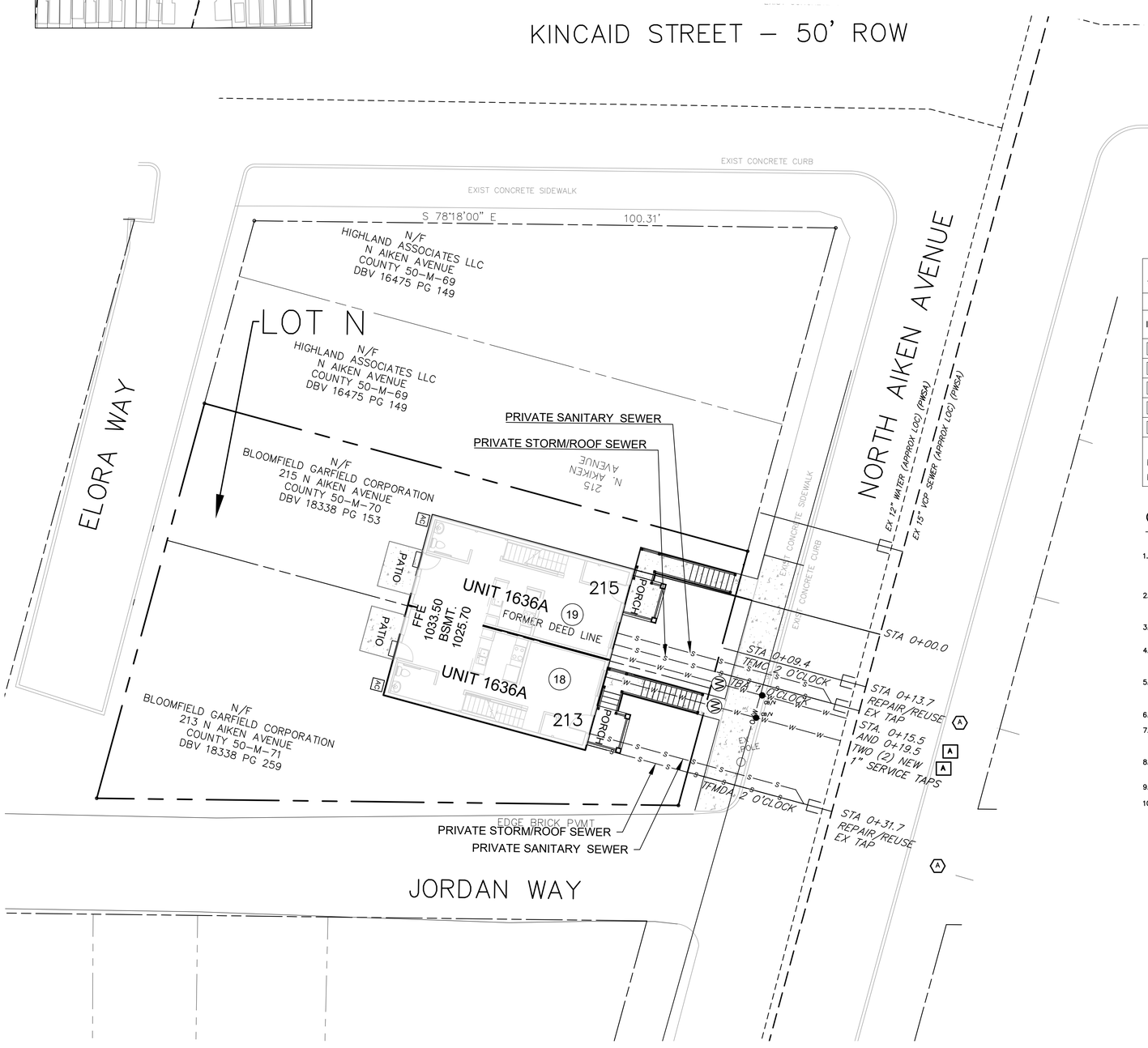
ACTIVE LIST as Updated: JULY 21, 2021

Lot #	Block/Lot	Original Address	New Address	Owner	Owner Listed on County Portal	Demo	
50-H-							
	50-H-156	N Aiken Avenue	405, 411, 415, 419, 425, 427, 431 N Aiken Ave *Subdivision	BLOOMFIELD GARFIELD CORPORATION		N	
50-M-							
	50-M-4	5375 Rosetta St	5375 Rosetta St	CITY OF PITTSBURGH	CITY OF PITTSBURGH	N	
	50-M-5	5377 Rosetta St	5377 Rosetta St	CITY OF PITTSBURGH	CITY OF PITTSBURGH	N	
	50-M-26	5368 Rosetta St	5368 Rosetta St	CITY OF PITTSBURGH	CITY OF PITTSBURGH	N	
	50-M-26A	5368 Rosetta St	5368/5370 Rosetta St * Consolidation/Subdivision	CITY OF PITTSBURGH	CITY OF PITTSBURGH	N	
	50-M-27	5370 Rosetta St	5370 Rosetta St	CITY OF PITTSBURGH	CITY OF PITTSBURGH	N	
	50-M-70	215 N Aiken Ave	215 N Aiken Ave	CITY OF PITTSBURGH	CITY OF PITTSBURGH	N	
	50-M-71	213 N Aiken Ave	213 N Aiken Ave	CITY OF PITTSBURGH	CITY OF PITTSBURGH	N	

Total Number of Units Proposed on these tax parcels (or reconfigured tax parcels) = 13 units
Mixture of attached units (duplex and triplex).

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





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 BLOOMFIELD GARFIELD CORPORATION, GARFIELD HIGHLANDS 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 PROPERTY LINES OF THE LOTS TO BE DEVELOPED SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEY BY FAHRINGER, McCARTY, GREY INC.
2. THE PROPERTY OWNER'S NAMES ARE TAKEN FROM THE ALLEGHENY COUNTY TAX OFFICE WEBSITE IN AUG 2017.
3. THE CONTOUR LINES SHOWN ON THIS PLAN ARE BASED ON PASDA AND HAVE NOT BEEN FIELD VERIFIED BY SURVEY.
4. THE SEWER MANHOLES, INLETS, CATCH BASINS, FIRE HYDRANTS, WATER VALVES AND OTHER MISCELLANEOUS UTILITY INFORMATION SHOWN ON THIS PLAN IS BASED ON FIELD SURVEY BY FAHRINGER, McCARTY, GREY INC.
5. THE UNDERGROUND UTILITY INFORMATION IS BASED ON PWSA GIS MAPPING AND OTHER RESPECTIVE UTILITY COMPANY MAPPING AND IS APPROXIMATE.

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.

GV/V PROPOSED CURB BOX/VALVE PER PWSA STANDARDS AND SPECIFICATIONS.

SANITARY AND STORM SEWER TAP-IN NOTES:

(A) EXISTING TAP FACTORY ACTIVE/MADE TO BE USED FOR COMBINED STORM AND SANITARY SEWER CONNECTION ONLY PER PWSA STANDARDS (STANDARD DETAIL ST-5).

TAP-IN PLAN LEGEND:

THE SEWER LINES AND LATERAL LOCATIONS ARE BASED ON PWSA PLANS, MANHOLES LOCATED BY FIELD SURVEY AND CCTV COMPLETED BY JET JACK IN JANUARY 2021.

STA. 0+100 / TMA-2 O'CLOCK — EXISTING SEWER LINE WITH LATERAL LOCATION

TB: TAP BREAK-IN
TBA: TAP BREAK-IN ACTIVE
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

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: ⅝", ⅝"x¾", ¾", 1", 2", 3", 4", 6", 8", 10", 12", 16"
METER TYPE: POSITIVE DISPLACEMENT, COMPOUND, ELECTROMAGNETIC, ULTRASONIC, TURBINE
METER USE: DOMESTIC, FIRE, COMBINATION

GENERAL NOTES:

1. 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.
2. 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.
3. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS, DOOR OPENINGS, FOUNDATION WALLS AND UTILITY ENTRANCE LOCATIONS, IF ANY.
4. 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.
5. 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.)
6. ALL DIMENSIONS SHOWN ARE TO FACE OF BUILDING FOUNDATION WALL OR OUTSIDE FINISH.
7. 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.
8. 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."
9. IF POSSIBLE HAVE METER CROCKS WITHIN 36" OF PROPERTY LINE.
10. CUT-IN TEES WILL REQUIRE SEPARATE WATER LINE SHUT PERMIT(S).

LEGEND

- PROPERTY LINE
- CONTOUR (2 FT)
- CONTOUR (10 FT)
- MANHOLE
- GV GAS VALVE
- WV WATER VALVE
- INLET/MANHOLE
- INLET
- UTILITY POLE
- FIRE HYDRANT
- EXISTING STRUCTURE (PARTIALLY SURVEYED)
- EXISTING STRUCTURE (ALLEGHENY COUNTY GIS)

GRAPHIC SCALE

0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- ____ NEW SEWER CONNECTION(S)
- ____ REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

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 FLOW DEMANDS

To be completed by the Applicant:

TYPE OF FLOW	SANITARY, GPD	WATER, GPD	STORM, CFS
PROJECT FLOW	800	800	0.41
EXISTING FLOW	0	0	0.32
NET FLOW	800	800	NOT REQUIRED
PWSA W&S USE APPROVAL DATE (If required)		06/29/2021	
DEP SFPM APPROVAL DATE (If required)			

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: 4996-01

COMMONWEALTH OF PENNSYLVANIA — BRIAN J. ALMETTI — REGISTRATION NUMBER 15335-E — REGISTERED LANDSCAPE ARCHITECT

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: 20211663939 20211663940

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

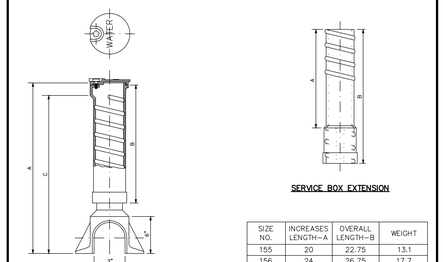
GARFIELD HIGHLANDS PLAN
213 - 215 N. AIKEN AVE.
CITY OF PITTSBURGH - 13th WARD
WATER AND SEWER LINE TAP-IN PLAN

SCALE: AS NOTED
DATE: JUNE 16, 2021
REV. DATE: AUG. 10, 2021

SHEET 1 OF 2

ACCESSION NO. C-
CASE NO.

SHEET NO. C 4.3



SERVICE BOX EXTENSION

SIZE NO.	INCREASES LENGTH-A	OVERALL LENGTH-B	WEIGHT
155	20	22.75	13.1
156	24	26.75	17.7

TOP SECTION, BOTTOM SECTION AND COVER

SIZE NO.	EXTENSION RANGE - A	TOP SECTION & COVER NO.	WEIGHT	DIM. B	BOTTOM SECTION NO.	WEIGHT	DIM. C	TOTAL WEIGHT
2	24" - 39"	9	19.6	18	2	14.1	23.0	32.7

NOTES:

1. SERVICE BOX SHALL BE BINGHAM & TAYLOR BUFFALO STYLE (3" OLD STYLE), No. 4930 OR APPROVED EQUAL.
2. DIMENSIONS IN INCHES; WEIGHT IN POUNDS.
3. LABELED "WATER" ON THE COVER.

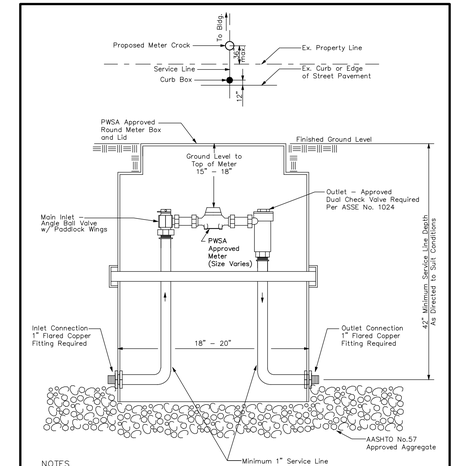
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

3" Curb Service Box

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WCB-1



NOTES

1. METER SETTING ASSEMBLY MUST BE FORD, OR EQUAL, COPPERSETTER WITH DUAL CHECK VALVE OR APPROVED EQUAL PER ASSE No. 1024, COMPLETE WITH MXU.
2. METER BOX SETTING AND PIPE ASSEMBLY TO BE CONSTRUCTED BY THE PROPERTY OWNER. THE PWSA IS ONLY RESPONSIBLE FOR THE METER AND MXU READING DEVICE. THE PROPERTY OWNER IS RESPONSIBLE FOR ALL OTHER ITEMS, INCLUDING PROTECTING THE PWSA METER AND MXU FROM ABUSE AND/OR FREEZING.
3. METER CROCK BASE TO REMAIN OPEN TO BASE MATERIAL, DO NOT SEAL.

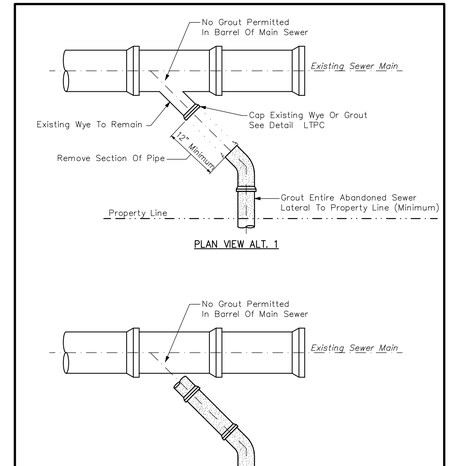
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Residential Domestic Service External Setting 5/8" - 1" Meter

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS-5MPR



PLAN VIEW ALT. 1

PLAN VIEW ALT. 2

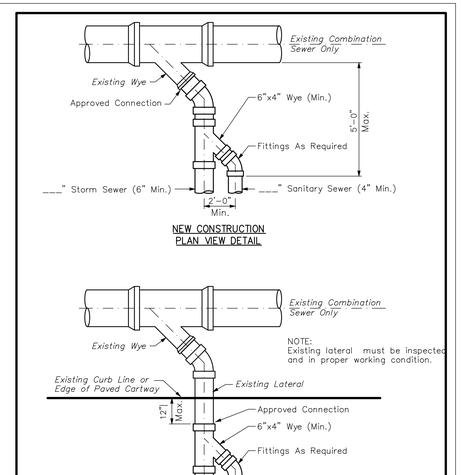
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Termination Sewer Lateral

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: SLT1



NEW CONSTRUCTION PLAN VIEW DETAIL

MODIFICATION TO EXISTING STRUCTURE OR FACILITY PLAN VIEW DETAIL

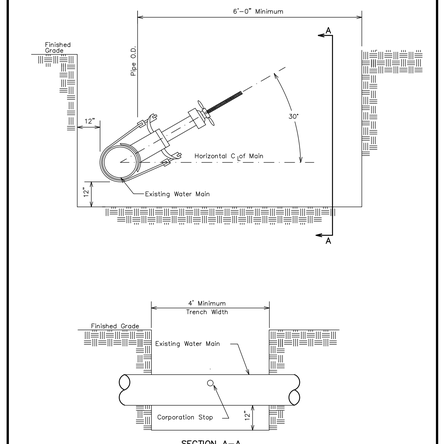
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Separated House Lateral One Connection To Main

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST-5



SECTION A-A

NOTE:
1. PWSA will make the actual tap.
2. Excavation and shoring required as per current OSHA standards.

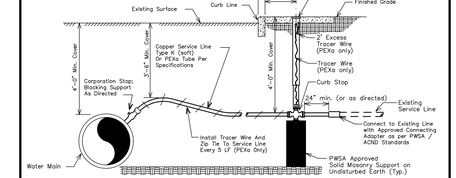
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

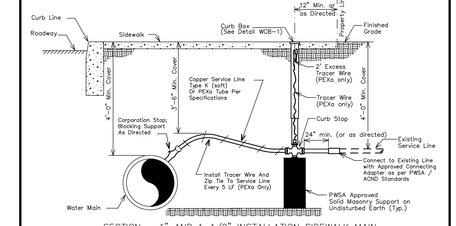
The Pittsburgh Water and Sewer Authority

Trench Requirements For 1", 1-1/2 " And 2" Water Service Tap

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS-C



SECTION - 1" AND 1-1/2" INSTALLATION STREET MAIN



SECTION - 1" AND 1-1/2" INSTALLATION SIDEWALK MAIN

NOTES:
1. Only one PWSA meter will be installed per each service tap.
2. Domestic Service is 1" min. from PWSA main to meter.
3. Install PEXa pipe and tracer wire per specification 02515 - Water Service Connections.
4. Polywrap all metallic pipe, fittings and valves.

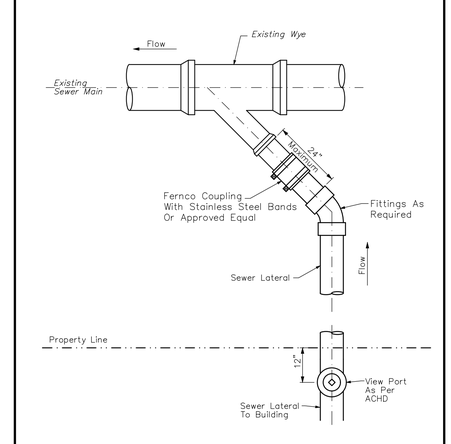
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Water Service Line 1" And 1-1/2 " Domestic / Fire New Installation

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS-5NT



PLAN VIEW

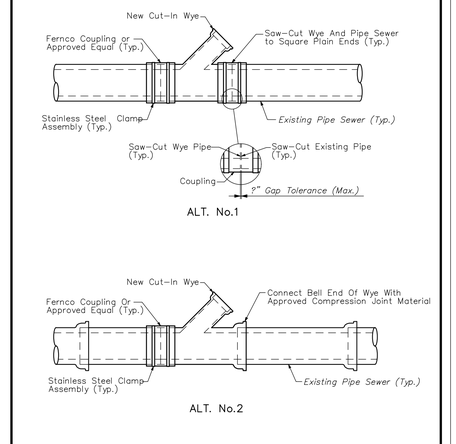
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Sewer Tap To Existing Sewer Wye

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST-2



ALT. No.1

ALT. No.2

NOTES:
1. SAW-CUT EXISTING PIPE SEWER. NO BREAK-IN OR HAMMER CONNECTIONS PERMITTED. JOINTS MUST BE INSPECTED BY PWSA BEFORE AND AFTER FLEXIBLE COUPLINGS ARE INSTALLED.
2. WYE MATERIAL WILL MATCH SEWER MAIN MATERIAL.
3. PIPE MAIN I.D. OF NEW WYE SECTION WILL MATCH I.D. OF EXISTING PIPE SEWER MAIN.
4. WYE LOCATION WILL BE LOCATED AT 2 O'CLOCK OR 10 O'CLOCK ON BARREL OF PIPE SEWER.

REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Cut-In Wye Pipe Transition

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST-7

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- ____ NEW SEWER CONNECTION(S)
- ____ REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

TAP C RECORD NUMBER

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

GARFIELD HIGHLANDS PLAN
213 - 215 N. AIKEN AVE.
CITY OF PITTSBURGH - 13TH WARD
WATER AND SEWER LINE TAP-IN DETAILS

SCALE: AS NOTED
DATE: JUNE 16, 2021
REV. DATE: AUG. 10, 2021

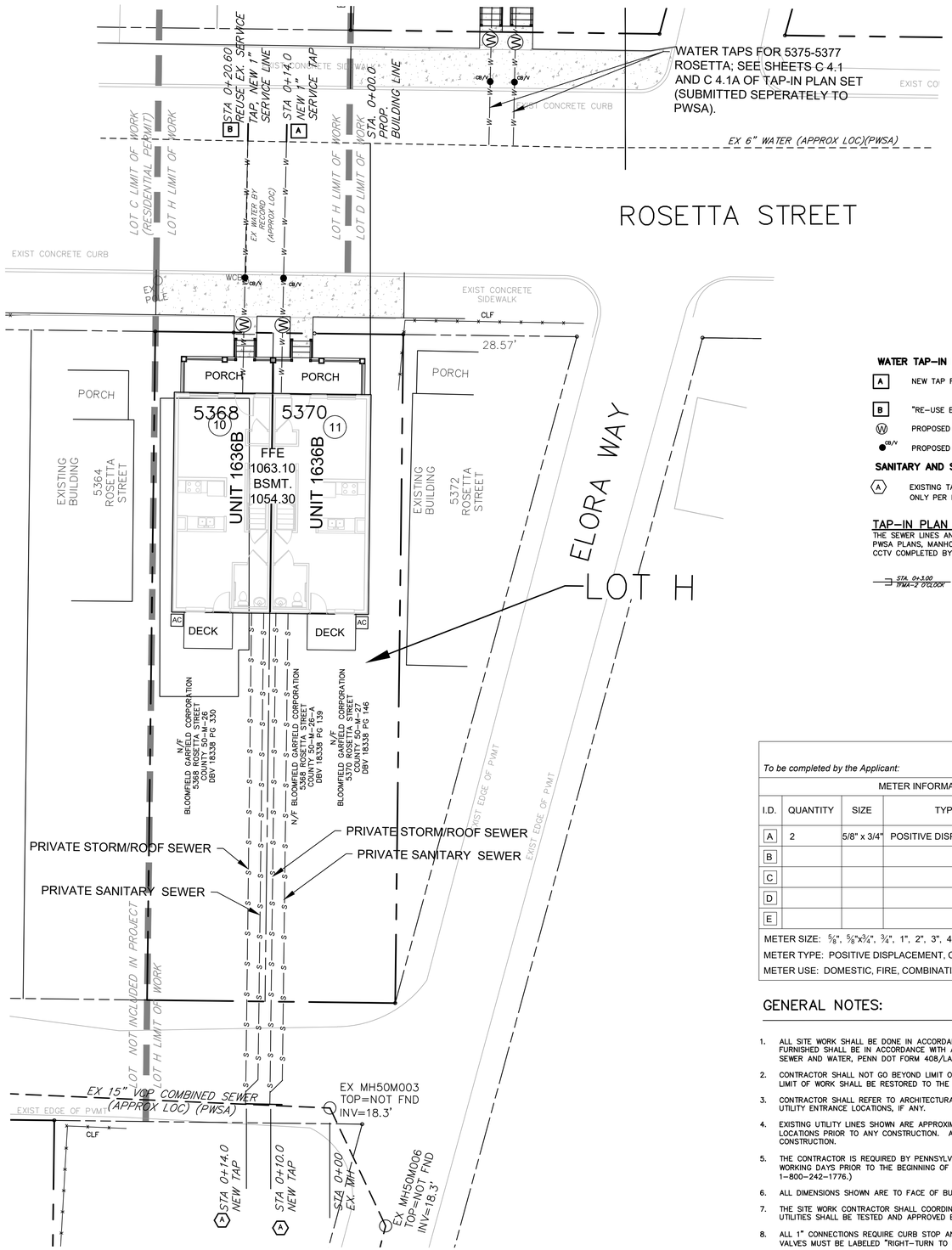
SHEET 2 OF 2

ACCESSION NO. C-
CASE NO.

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: 4996-01

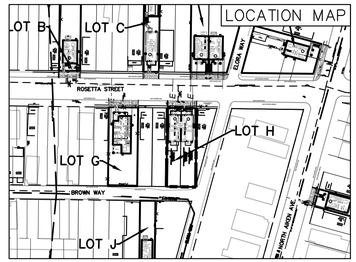
SHEET NO. C 4.3A



NOTE:

CCTV FOOTAGE OF PWSA SEWER CANNOT BE OBTAINED DUE TO OBSTRUCTIONS AT THIS LOT.

WATER TAPS FOR 5375-5377 ROSETTA; SEE SHEETS C 4.1 AND C 4.1A OF TAP-IN PLAN SET (SUBMITTED SEPERATELY TO PWSA).



WATER TAP-IN NOTES:

- [A] NEW TAP FOR WATER ONLY CONNECTION PER PWSA STANDARDS.
- [B] "RE-USE EXISTING WATER TAP PER PWSA STANDARDS.
- (W) PROPOSED DOMESTIC WATER METER CROCKS PER PWSA STANDARDS AND SPECIFICATIONS.
- CB/V PROPOSED CURB BOX/VALVE PER PWSA STANDARDS AND SPECIFICATIONS.

SANITARY AND STORM SEWER TAP-IN NOTES:

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STA. 0+3.00 11MA-2 0'CLOCK — EXISTING SEWER LINE WITH LATERAL LOCATION

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TBA: TAP BREAK-IN ACTIVE
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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
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B								
C								
D								
E								

METER SIZE: ⅝", ⅝"x¾", ¾", 1", 2", 3", 4", 6", 8", 10", 12", 16"
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9. IF POSSIBLE HAVE METER CROCKS WITHIN 36" OF PROPERTY LINE.
10. CUT-IN TEES WILL REQUIRE SEPARATE WATER LINE SHUT PERMIT(S).

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 BLOOMFIELD GARFIELD CORPORATION, GARFIELD HIGHLANDS 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 PROPERTY LINES OF THE LOTS TO BE DEVELOPED SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEY BY FAHRINGER, McCARTY, GREY INC.
2. THE PROPERTY OWNER'S NAMES ARE TAKEN FROM THE ALLEGHENY COUNTY TAX OFFICE WEBSITE IN AUG 2017.
3. THE CONTOUR LINES SHOWN ON THIS PLAN ARE BASED ON PASDA AND HAVE NOT BEEN FIELD VERIFIED BY SURVEY.
4. THE SEWER MANHOLES, INLETS, CATCH BASINS, FIRE HYDRANTS, WATER VALVES AND OTHER MISCELLANEOUS UTILITY INFORMATION SHOWN ON THIS PLAN IS BASED ON FIELD SURVEY BY FAHRINGER, McCARTY, GREY INC.
5. THE UNDERGROUND UTILITY INFORMATION IS BASED ON PWSA GIS MAPPING AND OTHER RESPECTIVE UTILITY COMPANY MAPPING AND IS APPROXIMATE.

GRAPHIC SCALE

0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- ___ NEW SEWER CONNECTION(S)
- X REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

TAP C RECORD NUMBER ___

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PEAK DAILY FLOW DEMANDS

To be completed by the Applicant:

TYPE OF FLOW	SANITARY, GPD	WATER, GPD	STORM, CFS
PROJECT FLOW	800	800	0.35
EXISTING FLOW	0	0	0.29
NET FLOW	800	800	NOT REQUIRED
PWSA W&S USE APPROVAL DATE (If required)		06/29/2021	
DEP SFPM APPROVAL DATE (If required)			

LEGEND

- PROPERTY LINE
- CONTOUR (2 FT)
- CONTOUR (10 FT)
- MANHOLE
- GV GAS VALVE
- WV WATER VALVE
- INLET/MANHOLE
- INLET
- UTILITY POLE
- FIRE HYDRANT
- EXISTING STRUCTURE (PARTIALLY SURVEYED)
- EXISTING STRUCTURE (ALLEGHENY COUNTY GIS)

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: 4996-01

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: 20211663939
20211663940

GATESBURG ROAD DEVELOPMENT

2121 OLD GATESBURG ROAD - STATE COLLEGE, PA 16803

GARFIELD HIGHLANDS PLAN
5368 - 5370 ROSETTA ST.
CITY OF PITTSBURGH - 13th WARD

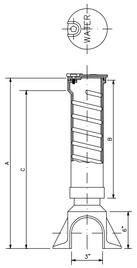
WATER AND SEWER LINE TAP-IN PLAN

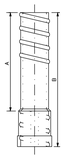
SCALE: AS NOTED
DATE: JUNE 16, 2021
REV. DATE: AUG. 10, 2021

SHEET 1 OF 2

ACCESSION NO. C-
CASE NO.

SHEET NO. C 4.2





SERVICE BOX EXTENSION

SIZE NO.	INCREASES LENGTH–A	OVERALL LENGTH–B	WEIGHT
155	20	22.75	13.1
156	24	26.75	17.7

TOP SECTION, BOTTOM SECTION AND COVER

SIZE NO.	EXTENSION RANGE – A	TOP SECTION & COVER NO.	TOP SECTION & COVER WEIGHT	TOP SECTION & COVER DIM. B	BOTTOM SECTION NO.	BOTTOM SECTION WEIGHT	BOTTOM SECTION DIM. C	TOTAL WEIGHT
2	24" – 39"	9	19.6	18	2	14.1	23.0	32.7

NOTES:

1. SERVICE BOX SHALL BE BINGHAM & TAYLOR BUFFALO STYLE (3" OLD STYLE), No. 4930 OR APPROVED EQUAL.
2. DIMENSIONS IN INCHES; WEIGHT IN POUNDS.
3. LABELED "WATER" ON THE COVER.

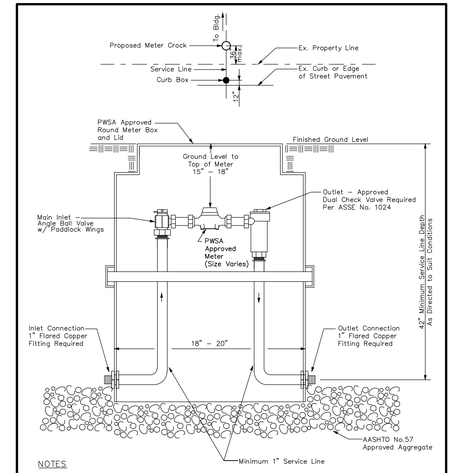
REVISIONS | $DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

3" Curb Service Box

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WCB–1



NOTES

1. METER SETTING ASSEMBLY MUST BE FORD, OR EQUAL, COPPERSETTER WITH DUAL CHECK VALVE OR APPROVED EQUAL PER ASSE No. 1024, COMPLETE WITH MXU.
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3. METER CROCK BASE TO REMAIN OPEN TO BASE MATERIAL, DO NOT SEAL.

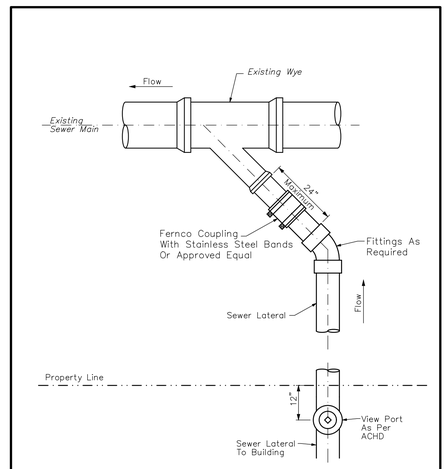
REVISIONS | $DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Residential Domestic Service External Setting 5/8" - 1" Meter

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–5MPR



PLAN VIEW

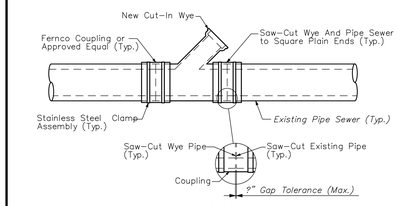
REVISIONS | $DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

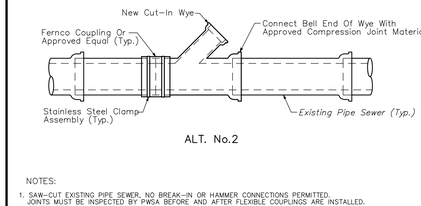
The Pittsburgh Water and Sewer Authority

Sewer Tap To Existing Sewer Wye

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST–2



ALT. No.1



ALT. No.2

NOTES:

1. SAW–CUT EXISTING PIPE SEWER, NO BREAK–IN OR HAMMER CONNECTIONS PERMITTED. JOINTS MUST BE INSPECTED BY PWSA BEFORE AND AFTER FLEXIBLE COUPLINGS ARE INSTALLED.
2. WYE MATERIAL WILL MATCH SEWER MAIN MATERIAL.
3. PIPE MAIN I.D. OF NEW WYE SECTION WILL MATCH I.D. OF EXISTING PIPE SEWER MAIN.
4. WYE LOCATION WILL BE LOCATED AT 2 O'CLOCK OR 10 O'CLOCK ON BARREL OF PIPE SEWER.

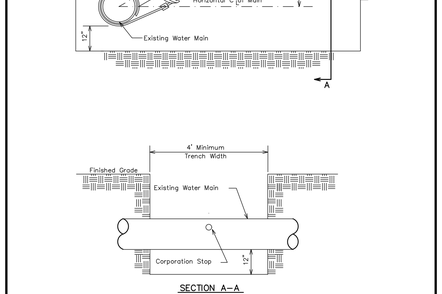
REVISIONS | $DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Cut-In Wye Pipe Transition

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST–7



SECTION A–A

NOTE:

1. PWSA will make the actual tap.
2. Excavation and shoring required as per current OSHA standards.

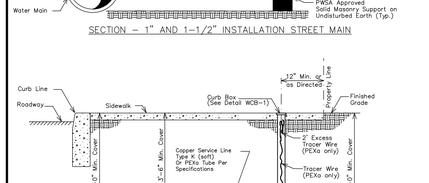
REVISIONS | $DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Trench Requirements For 1", 1-1/2 " And 2" Water Service Tap

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–C



SECTION – 1" AND 1–1/2" INSTALLATION STREET MAIN

SECTION – 1" AND 1–1/2" INSTALLATION SIDEWALK MAIN

NOTES:

1. Only one PWSA meter will be installed per each service tap.
2. Domestic Service is 1" min. from PWSA main to meter.
3. Install PEXa pipe and tracer wire per specification 02515 – Water Service Connections.
4. Polywrap all metallic pipe, fittings and valves.

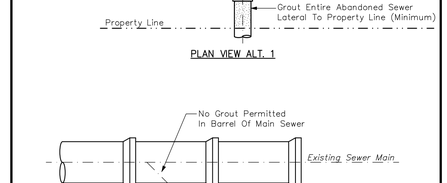
REVISIONS | $DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

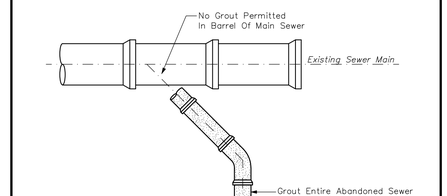
The Pittsburgh Water and Sewer Authority

Water Service Line 1" And 1-1/2 " Domestic / Fire New Installation

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–5NT



PLAN VIEW ALT. 1



PLAN VIEW ALT. 2

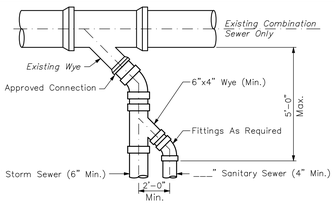
REVISIONS | $DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

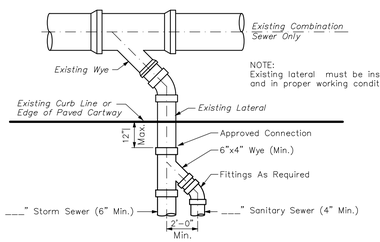
The Pittsburgh Water and Sewer Authority

Termination Sewer Lateral

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: SLT1



NEW CONSTRUCTION PLAN VIEW DETAIL



MODIFICATION TO EXISTING STRUCTURE OR FACILITY PLAN VIEW DETAIL

REVISIONS | $DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Separated House Lateral One Connection To Main

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST–5

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- ___ NEW SEWER CONNECTION(S)
- X REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

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: 4996-01

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

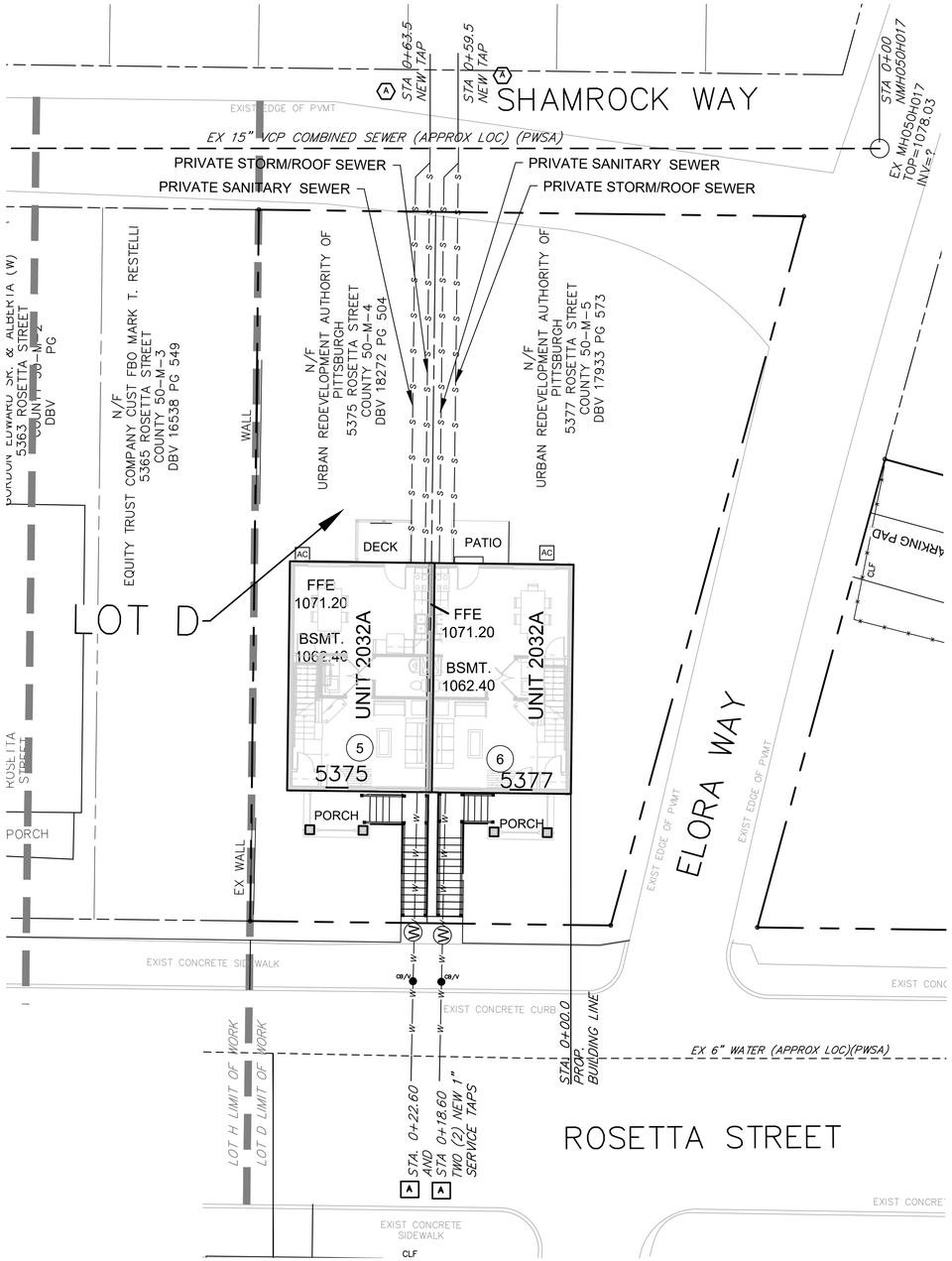
GARFIELD HIGHLANDS PLAN
5368 - 5370 ROSETTA ST.
CITY OF PITTSBURGH - 13TH WARD
WATER AND SEWER LINE TAP-IN DETAILS

SCALE: AS NOTED
DATE: JUNE 16, 2021
REV. DATE: AUG. 25, 2021

SHEET 2 OF 2

ACCESSION NO. C-
CASE NO.

SHEET NO. C 4.2A



NOTE:

CCTV FOOTAGE OF PWSA SEWER CANNOT BE OBTAINED DUE TO OBSTRUCTIONS AT THIS LOT.

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.
- ●CB/V PROPOSED CURB BOX/VALVE PER PWSA STANDARDS AND SPECIFICATIONS.

SANITARY AND STORM SEWER TAP–IN NOTES:

- (A) EXISTING TAP FACTORY ACTIVE/MADE TO BE USED FOR COMBINED STORM AND SANITARY SEWER CONNECTION ONLY PER PWSA STANDARDS (STANDARD DETAIL ST–5).

TAP–IN PLAN LEGEND:

THE SEWER LINES AND LATERAL LOCATIONS ARE BASED ON PWSA PLANS, MANHOLES LOCATED BY FIELD SURVEY AND CCTV COMPLETED BY JET JACK IN JANUARY 2021.

STA 0+3.00 TFMA–2 O'CLOCK — EXISTING SEWER LINE WITH LATERAL LOCATION

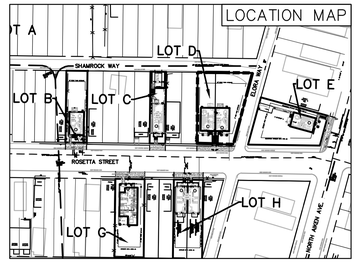
TB: TAP BREAK–IN
TBA: TAP BREAK–IN ACTIVE
TBC: TAP BREAK–IN CAPPED
TBD: TAP BREAK–IN DEFECTIVE
TBI: TAP BREAK–IN INTRUDING
TF: TAP FACTORY
TFA: TAP FACTORY ACTIVE
TFC: TAP FACTORY CAPPED
TFD: TAP FACTORY DEFECTIVE
TFM: TAP FACTORY MADE
TFMC: TAP FACTORY MADE CAPPED
TFMD: TAP FACTORY MADE DEFECTIVE
TFMDA: TAP FACTORY MADE DEFECTIVE ACTIVE

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", 5/8"x3/4", 3/4", 1", 2", 3", 4", 6", 8", 10", 12", 16"
METER TYPE: POSITIVE DISPLACEMENT, COMPOUND, ELECTROMAGNETIC, ULTRASONIC, TURBINE
METER USE: DOMESTIC, FIRE, COMBINATION



THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- ____ NEW SEWER CONNECTION(S)
- ____ REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

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 FLOW DEMANDS

To be completed by the Applicant:

TYPE OF FLOW	SANITARY, GPD	WATER, GPD	STORM, CFS
PROJECT FLOW	800	800	0.46
EXISTING FLOW	0	0	0.37
NET FLOW	800	800	NOT REQUIRED
PWSA W&S USE APPROVAL DATE (If required)		06/29/2021	
DEP SFPM APPROVAL DATE (If required)			

LEGEND

- PROPERTY LINE
- CONTOUR (2 FT)
- CONTOUR (10 FT)
- MANHOLE
- GV GAS VALVE
- WV WATER VALVE
- INLET/MANHOLE
- INLET
- UTILITY POLE
- FIRE HYDRANT
- EXISTING STRUCTURE (PARTIALLY SURVEYED)
- EXISTING STRUCTURE (ALLEGHENY COUNTY GIS)

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 BLOOMFIELD GARFIELD CORPORATION, GARFIELD HIGHLANDS 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 PROPERTY LINES OF THE LOTS TO BE DEVELOPED SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEY BY FAHRINGER, McCARTY, GREY INC.
2. THE PROPERTY OWNER'S NAMES ARE TAKEN FROM THE ALLEGHENY COUNTY TAX OFFICE WEBSITE IN AUG 2017.
3. THE CONTOUR LINES SHOWN ON THIS PLAN ARE BASED ON PASDA AND HAVE NOT BEEN FIELD VERIFIED BY SURVEY.
4. THE SEWER MANHOLES, INLETS, CATCH BASINS, FIRE HYDRANTS, WATER VALVES AND OTHER MISCELLANEOUS UTILITY INFORMATION SHOWN ON THIS PLAN IS BASED ON FIELD SURVEY BY FAHRINGER, McCARTY, GREY INC.
5. THE UNDERGROUND UTILITY INFORMATION IS BASED ON PWSA GIS MAPPING AND OTHER RESPECTIVE UTILITY COMPANY MAPPING AND IS APPROXIMATE.

GENERAL NOTES:

1. 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.
2. 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.
3. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS, DOOR OPENINGS, FOUNDATION WALLS AND UTILITY ENTRANCE LOCATIONS, IF ANY.
4. 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.
5. 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.)
6. ALL DIMENSIONS SHOWN ARE TO FACE OF BUILDING FOUNDATION WALL OR OUTSIDE FINISH.
7. 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.
8. 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."
9. IF POSSIBLE HAVE METER CROCKS WITHIN 36" OF PROPERTY LINE.
10. CUT–IN TEES WILL REQUIRE SEPARATE WATER LINE SHUT PERMIT(S).

GRAPHIC SCALE

0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

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: 20211663939 20211663940

Architectural Plans Prepared by:
LGA Partners LP

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GATESBURG ROAD DEVELOPMENT
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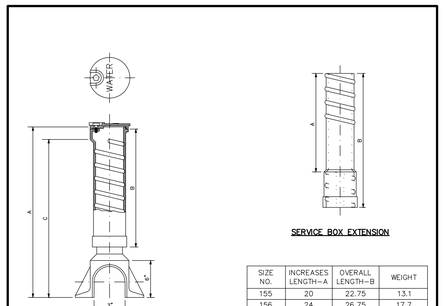
GARFIELD HIGHLANDS PLAN
5375-5377 ROSETTA ST.
CITY OF PITTSBURGH - 13th WARD
WATER AND SEWER LINE TAP-IN PLAN

SCALE: AS NOTED
DATE: JUNE 16, 2021
REV. DATE: AUG. 10, 2021

SHEET 1 OF 2

ACCESSION NO. C-
CASE NO.

SHEET NO. C 4.1



TOP SECTION, BOTTOM SECTION AND COVER

SERVICE BOX EXTENSION

SIZE NO.	INCREASES LENGTH–A	OVERALL LENGTH–B	WEIGHT
155	20	22.75	13.1
156	24	26.75	17.7

SIZE NO.	EXTENSION RANGE – A	TOP SECTION & COVER NO.	TOP SECTION & COVER WEIGHT	TOP SECTION & COVER DIM. B	BOTTOM SECTION NO.	BOTTOM SECTION WEIGHT	BOTTOM SECTION DIM. C	TOTAL WEIGHT
2	24" – 39"	9	19.6	18	2	14.1	23.0	32.7

NOTES:

1. SERVICE BOX SHALL BE BINGHAM & TAYLOR BUFFALO STYLE (3" OLD STYLE), No. 4930 OR APPROVED EQUAL.
2. DIMENSIONS IN INCHES; WEIGHT IN POUNDS.
3. LABELED "WATER" ON THE COVER.

REVISIONS | DATE$

Approved by:

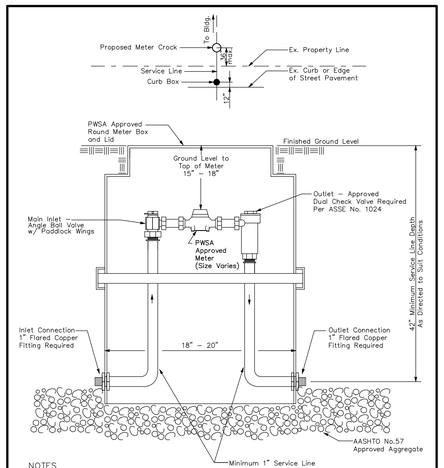
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

3" Curb Service Box

Scale: N.T.S. | $FILENAME$

Supplemental Detail Drawing: WCB–1



NOTES

1. METER SETTING ASSEMBLY MUST BE FORD, OR EQUAL, COPPERSETTER WITH DUAL CHECK VALVE OR APPROVED EQUAL PER ASSE No. 1024, COMPLETE WITH MXU.
2. METER BOX SETTING AND PIPE ASSEMBLY TO BE CONSTRUCTED BY THE PROPERTY OWNER. THE PWSA IS ONLY RESPONSIBLE FOR THE METER AND MXU READING DEVICE. THE PROPERTY OWNER IS RESPONSIBLE FOR ALL OTHER ITEMS, INCLUDING PROTECTING THE PWSA METER AND MXU FROM ABUSE AND/OR FREEZING.
3. METER CROCK BASE TO REMAIN OPEN TO BASE MATERIAL, DO NOT SEAL.

REVISIONS | DATE$

Approved by:

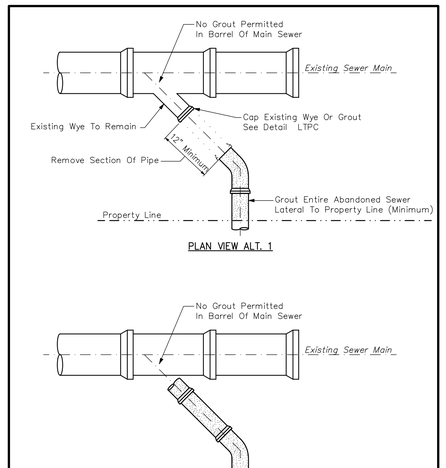
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Residential Domestic Service External Setting 5/8" - 1" Meter

Scale: N.T.S. | $FILENAME$

Supplemental Detail Drawing: WS–5MPR



PLAN VIEW ALT. 1

PLAN VIEW ALT. 2

REVISIONS | DATE$

Approved by:

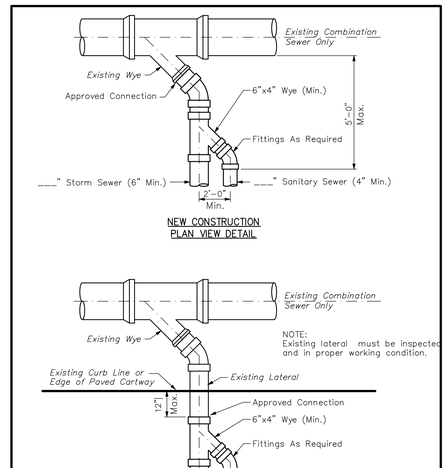
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Termination Sewer Lateral

Scale: N.T.S. | $FILENAME$

Supplemental Detail Drawing: SLT1



NEW CONSTRUCTION PLAN VIEW DETAIL

MODIFICATION TO EXISTING STRUCTURE OR FACILITY PLAN VIEW DETAIL

REVISIONS | DATE$

Approved by:

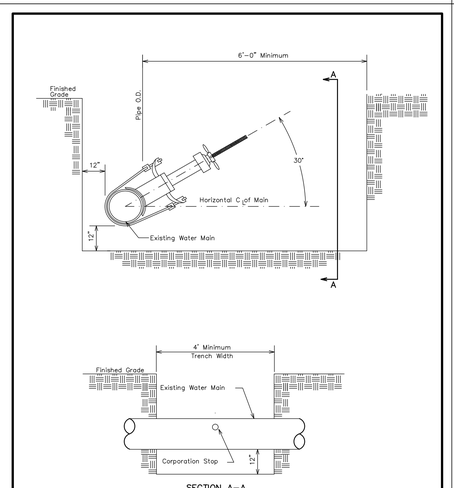
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Separated House Lateral One Connection To Main

Scale: N.T.S. | $FILENAME$

Supplemental Detail Drawing: ST–5



SECTION A–A

NOTE:

1. PWSA will make the actual tap.
2. Excavation and shoring required as per current OSHA standards.

REVISIONS | DATE$

Approved by:

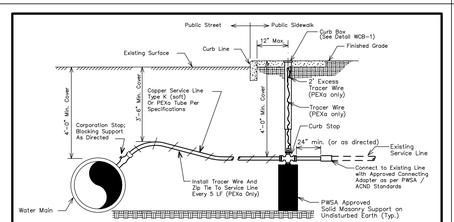
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

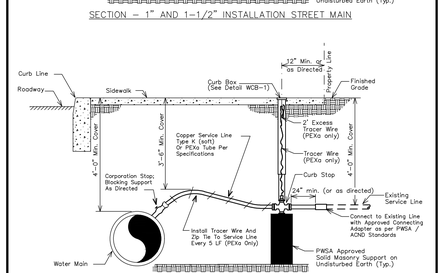
Trench Requirements For 1", 1-1/2 " And 2" Water Service Tap

Scale: N.T.S. | $FILENAME$

Supplemental Detail Drawing: WS–C



SECTION – 1" AND 1–1/2" INSTALLATION STREET MAIN



SECTION – 1" AND 1–1/2" INSTALLATION SIDEWALK MAIN

NOTES:

1. Only one PWSA meter will be installed per each service tap.
2. Domestic Service is 1" min. from PWSA main to meter.
3. Install PEXa pipe and tracer wire per specification 02515 – Water Service Connections.
4. Polywrap all metallic pipe, fittings and valves.

REVISIONS | DATE$

Approved by:

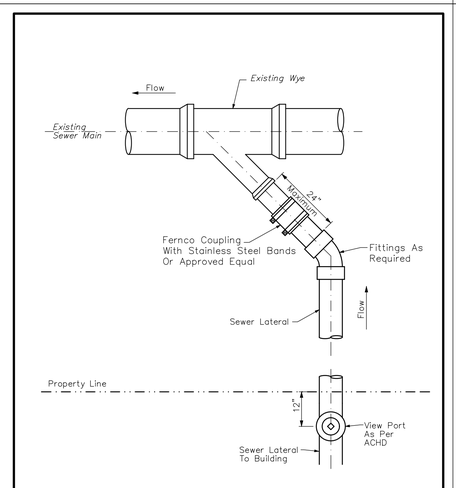
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Water Service Line 1" And 1-1/2 " Domestic / Fire New Installation

Scale: N.T.S. | $FILENAME$

Supplemental Detail Drawing: WS–5NT



PLAN VIEW

REVISIONS | DATE$

Approved by:

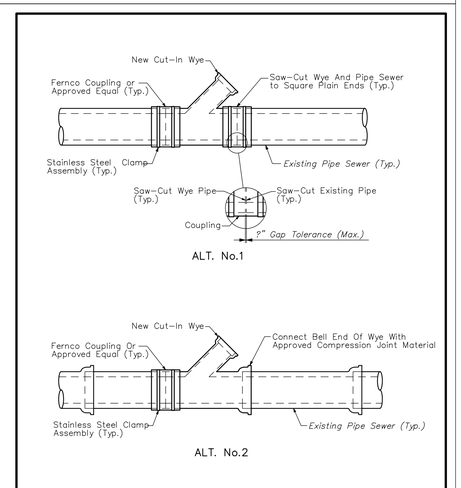
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Sewer Tap To Existing Sewer Wye

Scale: N.T.S. | $FILENAME$

Supplemental Detail Drawing: ST–2



ALT. No.1

ALT. No.2

NOTES:

1. SAW–CUT EXISTING PIPE SEWER, NO BREAK–IN OR HAMMER CONNECTIONS PERMITTED. JOINTS MUST BE INSPECTED BY PWSA BEFORE AND AFTER FLEXIBLE COUPLINGS ARE INSTALLED.
2. WYE MATERIAL WILL MATCH SEWER MAIN MATERIAL.
3. PIPE MAIN I.D. OF NEW WYE SECTION WILL MATCH I.D. OF EXISTING PIPE SEWER MAIN.
4. WYE LOCATION WILL BE LOCATED AT 2 O'CLOCK OR 10 O'CLOCK ON BARREL OF PIPE SEWER.

REVISIONS | DATE$

Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Cut-In Wye Pipe Transition

Scale: N.T.S. | $FILENAME$

Supplemental Detail Drawing: ST–7

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- ____ NEW SEWER CONNECTION(S)
- ____ REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

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: 4996-01

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

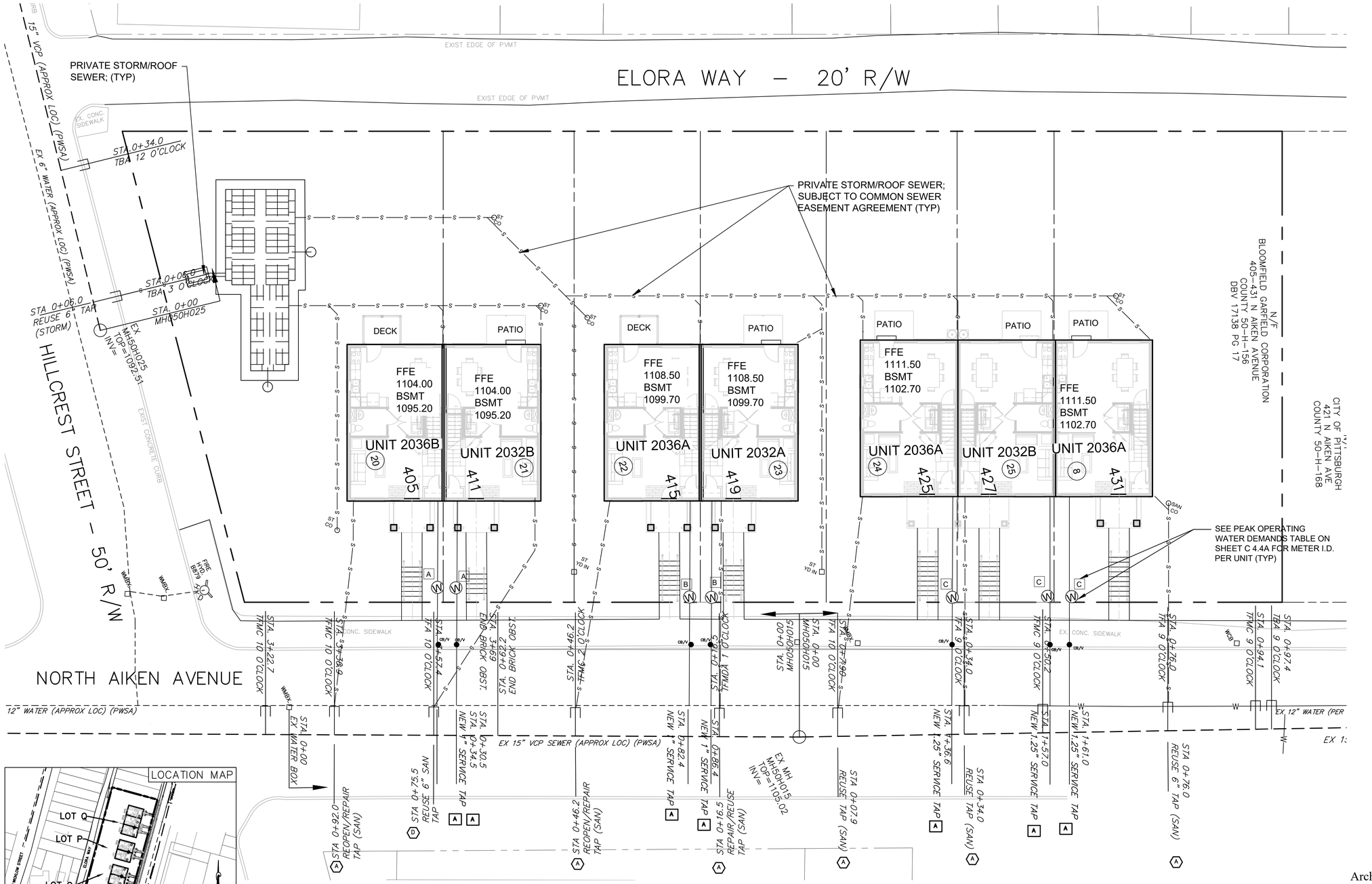
GARFIELD HIGHLANDS PLAN
5375-5377 ROSETTA ST.
CITY OF PITTSBURGH - 13th WARD
WATER AND SEWER LINE TAP-IN DETAILS

SCALE: AS NOTED
DATE: JUNE 16, 2021
REV. DATE: AUG. 10, 2021

SHEET 2 OF 2

ACCESSION NO. C-
CASE NO.

SHEET NO. C 4.1A



405, 411, 415, 419, 425, 427, 431
NORTH AIKEN AVENUE

TAP–IN PLAN LEGEND:

THE SEWER LINES AND LATERAL LOCATIONS ARE BASED ON PWSA PLANS, MANHOLES LOCATED BY FIELD SURVEY AND CCTV COMPLETED BY JET JACK IN JANUARY 2021.

STA. 0+3.00 TFMA–2 O'CLOCK — EXISTING SEWER LINE WITH LATERAL LOCATION

- TB: TAP BREAK–IN
- TBA: TAP BREAK–IN ACTIVE
- 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

LEGEND

- PROPERTY LINE
- CONTOUR (2 FT)
- CONTOUR (10 FT)
- MANHOLE
- GAS VALVE
- WATER VALVE
- INLET/MANHOLE
- INLET
- UTILITY POLE
- FIRE HYDRANT
- EXISTING STRUCTURE (PARTIALLY SURVEYED)
- EXISTING STRUCTURE (ALLEGHENY COUNTY GIS)

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.
- GV/V PROPOSED CURB BOX/VALVE PER PWSA STANDARDS AND SPECIFICATIONS.

SANITARY AND STORM SEWER TAP–IN NOTES:

- (A) EXISTING TAP FACTORY ACTIVE/MADE TO BE USED FOR COMBINED STORM AND SANITARY SEWER CONNECTION ONLY PER PWSA STANDARDS (STANDARD DETAIL ST–5).
- (D) NEW TAP FOR SEPERATED HOUSE LATERAL PER PWSA STANDARDS (STANDARD DETAIL ST–5)

GRAPHIC SCALE

0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

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 BLOOMFIELD GARFIELD CORPORATION, GARFIELD HIGHLANDS 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 PROPERTY LINES OF THE LOTS TO BE DEVELOPED SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEY BY FAHRINGER, McCARTY, GREY INC.
2. THE PROPERTY OWNER'S NAMES ARE TAKEN FROM THE ALLEGHENY COUNTY TAX OFFICE WEBSITE IN AUG 2017.
3. THE CONTOUR LINES SHOWN ON THIS PLAN ARE BASED ON PASDA AND HAVE NOT BEEN FIELD VERIFIED BY SURVEY.
4. THE SEWER MANHOLES, INLETS, CATCH BASINS, FIRE HYDRANTS, WATER VALVES AND OTHER MISCELLANEOUS UTILITY INFORMATION SHOWN ON THIS PLAN IS BASED ON FIELD SURVEY BY FAHRINGER, McCARTY, GREY INC.
5. THE UNDERGROUND UTILITY INFORMATION IS BASED ON PWSA GIS MAPPING AND OTHER RESPECTIVE UTILITY COMPANY MAPPING AND IS APPROXIMATE.

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- X NEW SEWER CONNECTION(S)
- ____ REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

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 FLOW DEMANDS

To be completed by the Applicant:

TYPE OF FLOW	SANITARY, GPD	WATER, GPD	STORM, CFS
PROJECT FLOW	2,800	2,800	0.53*
EXISTING FLOW	0	0	0.53
NET FLOW	2,800	2,800	0*
PWSA W&S USE APPROVAL DATE (If required)		06/29/2021	
DEP SFPM APPROVAL DATE (If required)			

* CALCULATION OF CFS USING TR-55. PROJECT FLOW CALCULATION INCLUDES PROPOSED DETENTION FACILITIES TO ACHIEVE 0CFS NET FLOW.

SPRINKLER SYSTEM DESIGN INFORMATION

To be completed by the Applicant:

LOCATION(S): 425, 427, 431 N. AIKEN AVE.

TYPE OF SYSTEM (Check one)

- ____ 13D
- X 13R
- ____ 13
- ____ OTHER: ____

SYSTEM CONFIGURATION (Check one)

- X STAND-ALONE SPRINKLER SYSTEM
- ____ MULTI-PURPOSE SPRINKLER SYSTEM

HOSE DEMANDS (N/A for 13D systems)

INSIDE HOSE DEMAND, GPM ____

OUTSIDE HOSE DEMAND, GPM ____

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: 20211663939 20211663940

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: 4996-01

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

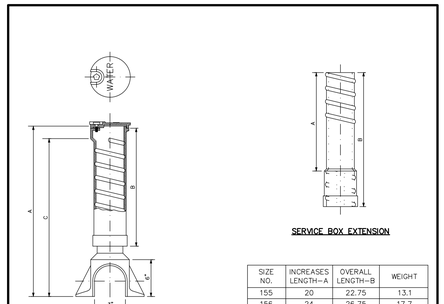
GARFIELD HIGHLANDS PLAN
405 - 431 N. AIKEN AVE.
CITY OF PITTSBURGH - 13th WARD
WATER AND SEWER LINE TAP-IN PLAN

SCALE: AS NOTED
DATE: JUNE 16, 2021
REV. DATE: SEP. 10, 2021

SHEET 1 OF 3

ACCESSION NO. C-
CASE NO.

SHEET NO. C 4.4



TOP SECTION, BOTTOM SECTION AND COVER

SIZE NO.	EXTENSION RANGE – A	TOP SECTION & COVER NO.	TOP SECTION & COVER WEIGHT	BOTTOM SECTION DIM. B	BOTTOM SECTION NO.	BOTTOM SECTION WEIGHT	BOTTOM SECTION DIM. C	TOTAL WEIGHT
2	24" – 39"	9	19.6	18	2	14.1	23.0	32.7

SERVICE BOX EXTENSION

SIZE NO.	INCREASES LENGTH–A	OVERALL LENGTH–B	WEIGHT
155	20	22.75	13.1
156	24	26.75	17.7

NOTES:

1. SERVICE BOX SHALL BE BINGHAM & TAYLOR BUFFALO STYLE (3" OLD STYLE), No. 4930 OR APPROVED EQUAL.
2. DIMENSIONS IN INCHES; WEIGHT IN POUNDS.
3. LABELED "WATER" ON THE COVER.

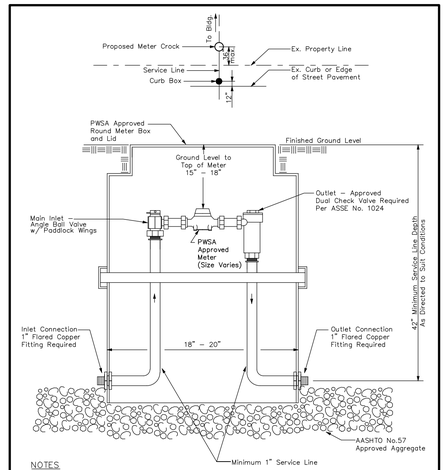
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

3" Curb Service Box

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WCB–1



NOTES

1. METER SETTING ASSEMBLY MUST BE FORD, OR EQUAL, COPPERSETTER WITH DUAL CHECK VALVE OR APPROVED EQUAL PER ASSE No. 1024, COMPLETE WITH MXU.
2. METER BOX SETTING AND PIPE ASSEMBLY TO BE CONSTRUCTED BY THE PROPERTY OWNER. THE PWSA IS ONLY RESPONSIBLE FOR THE METER AND MXU READING DEVICE. THE PROPERTY OWNER IS RESPONSIBLE FOR ALL OTHER ITEMS, INCLUDING PROTECTING THE PWSA METER AND MXU FROM ABUSE AND/OR FREEZING.
3. METER CROCK BASE TO REMAIN OPEN TO BASE MATERIAL, DO NOT SEAL.

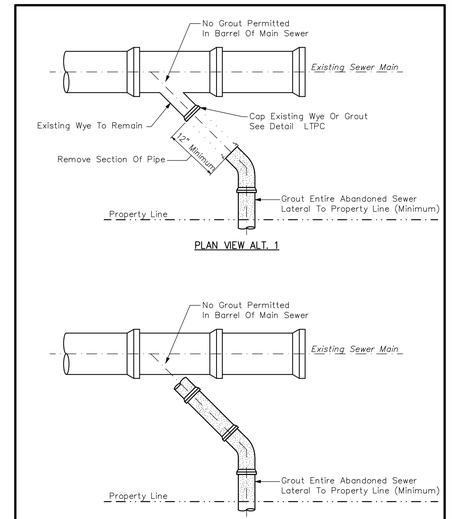
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Residential Domestic Service External Setting 5/8" - 1" Meter

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–5MPR



PLAN VIEW ALT. 1

PLAN VIEW ALT. 2

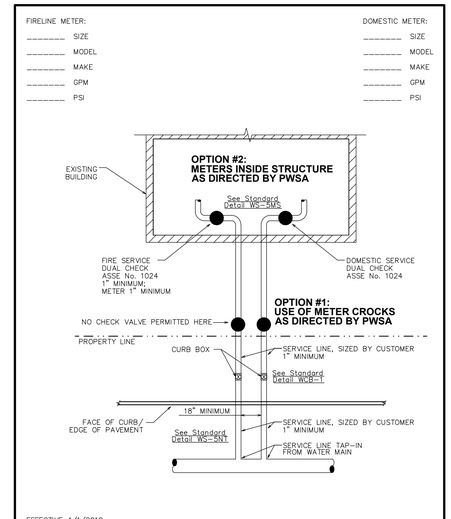
REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Termination Sewer Lateral

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: SLT1



EFFECTIVE 4/1/2010
PER IBC CODES 2010

REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Residential Domestic And Fire Service Connection Stand–Alone System

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–RDF2

SECTION A–A

NOTE:
1. PWSA will make the actual tap.
2. Excavation and shoring required as per current OSHA standards.

REVISIONS | DATE$ | Approved by:

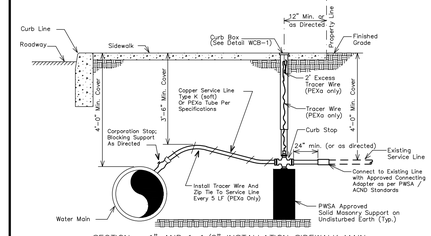
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Trench Requirements For 1", 1–1/2 " And 2" Water Service Tap

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–C

SECTION – 1" AND 1–1/2" INSTALLATION STREET MAIN



SECTION – 1" AND 1–1/2" INSTALLATION SIDEWALK MAIN

NOTES:
1. Only one PWSA meter will be installed per each service tap.
2. Domestic Service is 1" min. from PWSA main to meter.
3. Install PEXa pipe and tracer wire per specification 02515 – Water Service Connections.
4. Polywrap all metallic pipe, fittings and valves.

REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Water Service Line 1" And 1–1/2 " Domestic / Fire New Installation

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–5NT

PLAN VIEW

REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Sewer Tap To Existing Sewer Wye

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST–2

PLAN VIEW

REVISIONS | DATE$ | Approved by:

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Separated House Lateral Wye Connections To Main

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST–6

GENERAL NOTES:

1. 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.
2. 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.
3. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS, DOOR OPENINGS, FOUNDATION WALLS AND UTILITY ENTRANCE LOCATIONS, IF ANY.
4. 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.
5. 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.)
6. ALL DIMENSIONS SHOWN ARE TO FACE OF BUILDING FOUNDATION WALL OR OUTSIDE FINISH.
7. 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.
8. 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."
9. IF POSSIBLE HAVE METER CROCKS WITHIN 36" OF PROPERTY LINE.
10. CUT–IN TEES WILL REQUIRE SEPARATE WATER LINE SHUT PERMIT(S).

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
405, 411 N. AIKEN	A	2	5/8" x 3/4"	POSITIVE DISPLACEMENT	DOMESTIC	13.3	60	-	-
415, 419 N. AIKEN	B	2	5/8" x 3/4"	POSITIVE DISPLACEMENT	DOMESTIC	15.6	60	-	-
425, 427, 431 N. AIKEN	C	3	1"	ELECTROMAGNETIC	COMBINATION	13.3	60	44.2	50
	D								
	E								

METER SIZE: 5/8", 5/8"x3/4", 3/4", 1", 2", 3", 4", 6", 8", 10", 12", 16"
METER TYPE: POSITIVE DISPLACEMENT, COMPOUND, ELECTROMAGNETIC, ULTRASONIC, TURBINE
METER USE: DOMESTIC, FIRE, COMBINATION

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- X NEW SEWER CONNECTION(S)
- ____ REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

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.

HYDRANT FLOW TEST RESULTS

To be completed by the Applicant:

DATE OF TEST 09-08-21, 1:00PM

HYDRANT PERMIT NUMBER 21-0257

PERFORMED BY RYCO FIRE PROTECTION SERVICES LLC

FLOW HYDRANT

HYDRANT NUMBER B878

LOCATION COLUMBO & N. AIKEN

FLOW OBSERVED, GPM 1405

PRESSURE HYDRANT

HYDRANT NUMBER B879

LOCATION HILLCREST & N. AIKEN

STATIC PRESSURE, PSI 95

RESIDUAL PRESSURE, PSI 90

CALCULATIONS

PROJECTED FLOW AT 20 PSI, GPM 6064

Architectural Plans Prepared by:
LGA Partners LP

FAHRINGER, McCARTY, GREY, INC.
LANDSCAPE ARCHITECTS AND ENGINEERS
1610 GOLDEN MILE HIGHWAY MONROEVILLE,
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Project Number: 4996-01

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

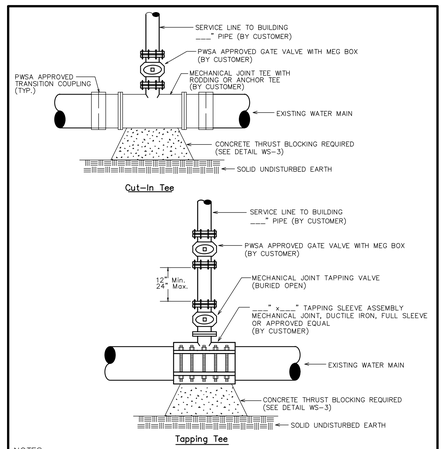
GARFIELD HIGHLANDS PLAN
405 - 431 N. AIKEN AVE.
CITY OF PITTSBURGH - 13TH WARD
WATER AND SEWER LINE TAP-IN DETAILS

SCALE: AS NOTED
DATE: JUNE 16, 2021
REV. DATE: SEP. 10, 2021

SHEET 2 OF 3

ACCESSION NO. C-
CASE NO.

SHEET NO. C 4.4A



NOTES:

1. PWSA PERFORMS ACTUAL TAP TO MAIN ONLY AND MAINTAINS METER; ALL OTHER WORK BY CUSTOMER.
2. TAPPING TEE SHALL BE FULL SLEEVE; SADDLE STYLE NOT PERMITTED.
3. CUT-IN TEE CONNECTION ALSO ACCEPTABLE AND IS REQUIRED FOR SIZE ON SIZE (e.g. 8" TAP ON 8" MAIN).
4. CENTERING OF TAPPING TEE CONNECTION SHALL BE 18" MINIMUM FROM EXISTING WATER MAIN BELL/HUB OR OTHER EXISTING SERVICE CONNECTIONS.
5. ALL VALVES MUST BE "RIGHT TURN TO OPEN".
6. PRIVATE SERVICE LINE MATERIAL AND EQUIPMENT SHALL CONFORM TO ALLEGHENY COUNTY PLUMBING CODE, ARTICLE XV.
7. MJxMJ TAPPING SLEEVE MAY BE SUBMITTED TO PWSA FOR AN APPROVED OPTION.

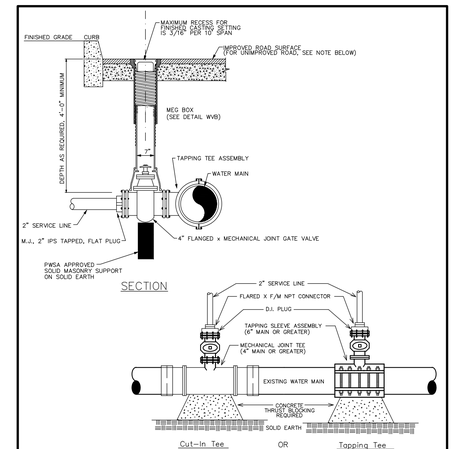
REVISIONS | DATE$ | Approved by:

PGH2O — Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Cut-In Tee And Tapping Tee

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS-CTT



NOTES:

1. ALL FITTINGS SHALL HAVE THRUST BLOCKS (SEE DETAIL WS-3).
2. STANDARD GATE BOX LID: TWO NOTCH OPENINGS REQUIRED. DIAMETER TO MATCH BOX.
3. GATE BOX EXTENSION: GATE BOX EXTENSION RINGS ARE NOT TO BE USED IN NEW WORK.
4. MEG BOX MATERIAL SHALL BE CAST IRON.
5. IF MEG BOX IS LOCATED IN AN UNIMPROVED AREA, THEN A 30"X30"X 8"D CONCRETE PAD APRON CENTERED AROUND THE MEG BOX IS REQUIRED.
6. ALL VALVES MUST BE "RIGHT TURN TO OPEN".
7. PRIVATE SERVICE LINE MATERIAL AND EQUIPMENT SHALL CONFORM TO ALLEGHENY COUNTY PLUMBING CODE, ARTICLE XV.
8. ONLY ONE PWSA METER WILL BE INSTALLED PER EACH SERVICE TAP.
9. MAIN LINE SHUT REQUIRED AND MUST BE COORDINATED AT THE PWSA PERMITS COUNTER.

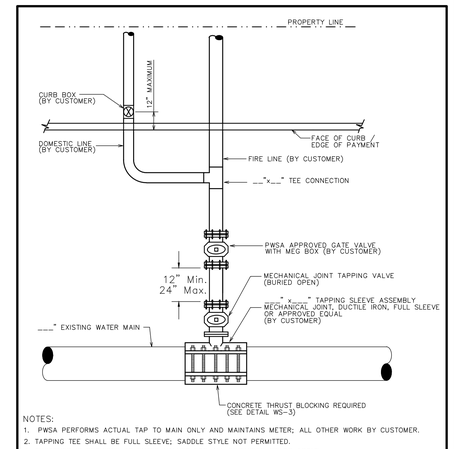
REVISIONS | DATE$ | Approved by:

PGH2O — Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Water Service Line 2" Domestic / Fire New Installation

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS-5NT2



NOTES:

1. PWSA PERFORMS ACTUAL TAP TO MAIN ONLY AND MAINTAINS METER; ALL OTHER WORK BY CUSTOMER.
2. TAPPING TEE SHALL BE FULL SLEEVE; SADDLE STYLE NOT PERMITTED.
3. CUSTOMER IS REQUIRED TO ENTER VALUES FOR ALL DIMENSION FIELDS ABOVE.
4. CUT-IN TEE CONNECTION ALSO ACCEPTABLE AND IS REQUIRED FOR SIZE ON SIZE (e.g. 8" TAP ON 8" MAIN).
5. CENTERING OF TAPPING TEE CONNECTION SHALL BE 18" MINIMUM FROM EXISTING WATER MAIN BELL/HUB OR OTHER EXISTING SERVICE CONNECTIONS.
6. CUSTOMER IS RESPONSIBLE FOR, MAINTAINS, AND OWNS, INCLUDING THE TAPPING TEE ASSEMBLY, FROM THE MAIN TO THE BUILDING.
7. ADDITIONAL BACKFLOW PREVENTION (RPZ TYPE) REQUIRED INTERNALLY ON COMMERCIAL OR HIGH HAZARD PROPERTIES.
8. ALL VALVES MUST BE "RIGHT TURN TO OPEN".
9. PRIVATE SERVICE LINE MATERIAL AND EQUIPMENT SHALL CONFORM TO ALLEGHENY COUNTY PLUMBING CODE, ARTICLE XV.

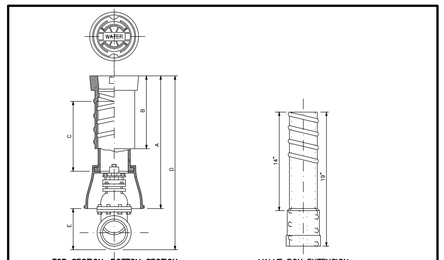
REVISIONS | DATE$ | Approved by:

PGH2O — Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Single Service Connection (4" And larger)

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS-C1



SIZE NO.	EXTENSION RANGE = A	TOP SECTION & COVER NO.	DIM. B	WEIGHT	BOTTOM SECTION NO.	DIM. C	WEIGHT	No. 6 BASE WT.	TOTAL WEIGHT
1 1	21" – 27"	74	9.00	58.5	80	8.00	14.0	45.0	117.50
1	27" – 39"	75	15.25	81.5	81	14.00	24.5	45.0	151.00
J	33" – 45"	75	15.25	81.5	82	20.00	30.0	45.0	156.50
K	39" – 51"	75	15.25	81.5	83	26.25	41.0	45.0	167.50
L	39" – 60"	76	26.00	111.0	83	26.25	41.0	45.0	197.00

TABLE FOR DETERMINING LENGTH OF BOX NEEDED

SIZE OF VALVE	BOTTOM BASE TO BOTTOM TRENCH (DIM. E)	No. BASE USED	DEPTH OF TRENCH (DIM. D) 36"	42"	48"	54"	60"	66"	72"	78"	84"
3	8"	4	1 1	I	J	K	L	L	L*	L*	O*
4	13-1/2"	4	1 1	I	J	J	K	L	L	L*	L*
6	15"	6	1 1	I	J	J	K	L	L	L*	L*
8	19"	6		1 1	I	J	J	K	L	L	L*
10	24"	6			1 1	I	I	K	K	L	L
12	31"	160				1 1	I	J	K	K	L
14	36-1/2"	160					1 1	I	J	J	K
16	41-1/4"	160						1 1	I	I	J

* LONGER BOXES MADE BY ADDING EXTENSIONS TO SIZE L. FOR VALVE CLOSER TO SURFACE, USE NO. 140 ROUND BASE AND REDUCE LENGTH SHOWN ABOVE BY 6 INCHES.

NOTES:

1. MEDIUM EXTENSION GATE VALVE BOX SHALL BE BINGHAM & TAYLOR No. 5001, OR APPROVED EQUAL.
2. MADE OF CAST IRON, SCREW TYPE, 3-PIECE BOX w/ LID AND #6 BASE. 7" DIAMETER SHAFT.
3. LABELED "WATER" ON THE COVER.

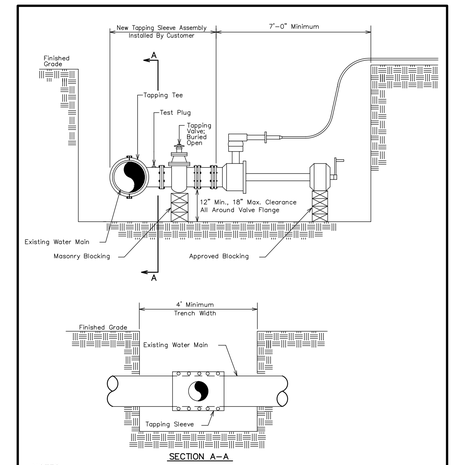
REVISIONS | DATE$ | Approved by:

PGH2O — Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Valve Box (Medium Extension Gate Box)

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WVB



NOTES:

1. Tapping sleeve and tapping gate to be installed on water main by the contractor. PWSA will make the actual tap.
2. Tapping machine to be mounted and operated by PWSA.
3. Excavation and shoring required as per current OSHA standards.
4. Contractor must supply equipment to lower tapping machine in to trench.
5. All valves must be "right turn to open".

REVISIONS | DATE$ | Approved by:

PGH2O — Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Trench Requirements For 4" Through 12" Live Water Tap

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS-B

GENERAL NOTES:

1. 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.
2. 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.
3. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS, DOOR OPENINGS, FOUNDATION WALLS AND UTILITY ENTRANCE LOCATIONS, IF ANY.
4. 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.
5. 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.)
6. ALL DIMENSIONS SHOWN ARE TO FACE OF BUILDING FOUNDATION WALL OR OUTSIDE FINISH.
7. 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.
8. 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."
9. IF POSSIBLE HAVE METER CROCKS WITHIN 36" OF PROPERTY LINE.
10. CUT-IN TEES WILL REQUIRE SEPARATE WATER LINE SHUT PERMIT(S).

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

- X NEW WATER CONNECTION(S)
- X NEW SEWER CONNECTION(S)
- ____ REUSE EXISTING WATER CONNECTION(S)
- X 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

CHIEF OF OPERATIONS

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

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER 20014.15

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: 4996-01

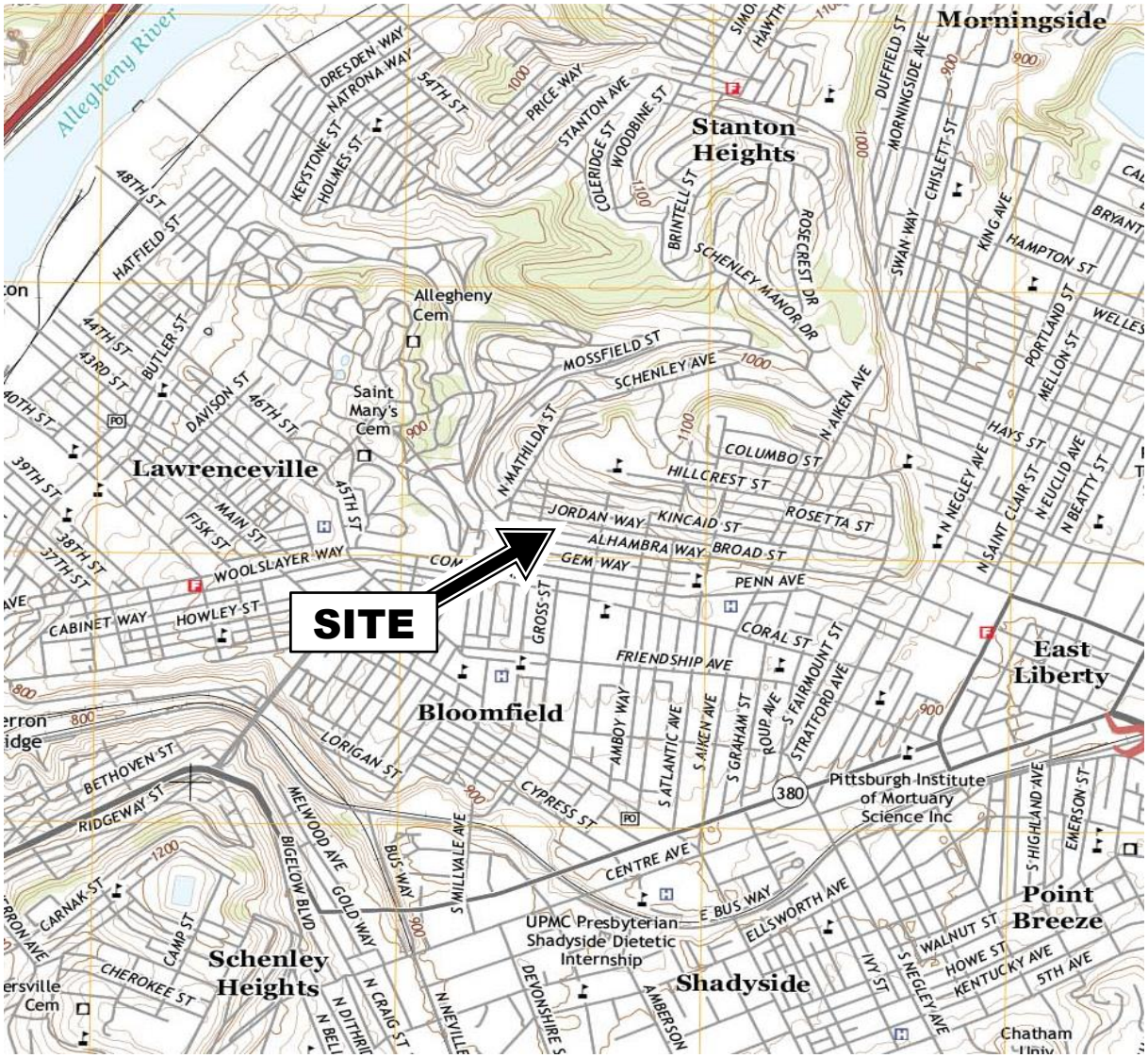
GATESBURG ROAD DEVELOPMENT
2121 OLD GATESBURG ROAD - STATE COLLEGE, PA 16803

GARFIELD HIGHLANDS PLAN
405 - 431 N. AIKEN AVE.
CITY OF PITTSBURGH - 13TH WARD
WATER TAP-IN DETAILS

SCALE: AS NOTED | SHEET 3 OF 3 | ACCESSION NO. C-
DATE: SEP. 10, 2021 | CASE NO.

SHEET NO. C 4.4B

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



- Project Location Map -

Garfield Highlands – Scattered Site Community Redevelopment

City of Pittsburgh, Allegheny County, PA

SCALE: 1" = 2000' JOB NO. 4996

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

1. PROJECT INFORMATION

Project Name: **Garfield Highlands**
Date of Review: **10/19/2020 11:22:26 AM**
Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**
Project Area: **15.48 acres**
County(s): **Allegheny**
Township/Municipality(s): **PITTSBURGH**
ZIP Code: **15206; 15224**
Quadrangle Name(s): **PITTSBURGH EAST**
Watersheds HUC 8: **Lower Allegheny**
Watersheds HUC 12: **Allegheny River-Ohio River**
Decimal Degrees: **40.467044, -79.936170**
Degrees Minutes Seconds: **40° 28' 1.3578" N, 79° 56' 10.2114" 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.

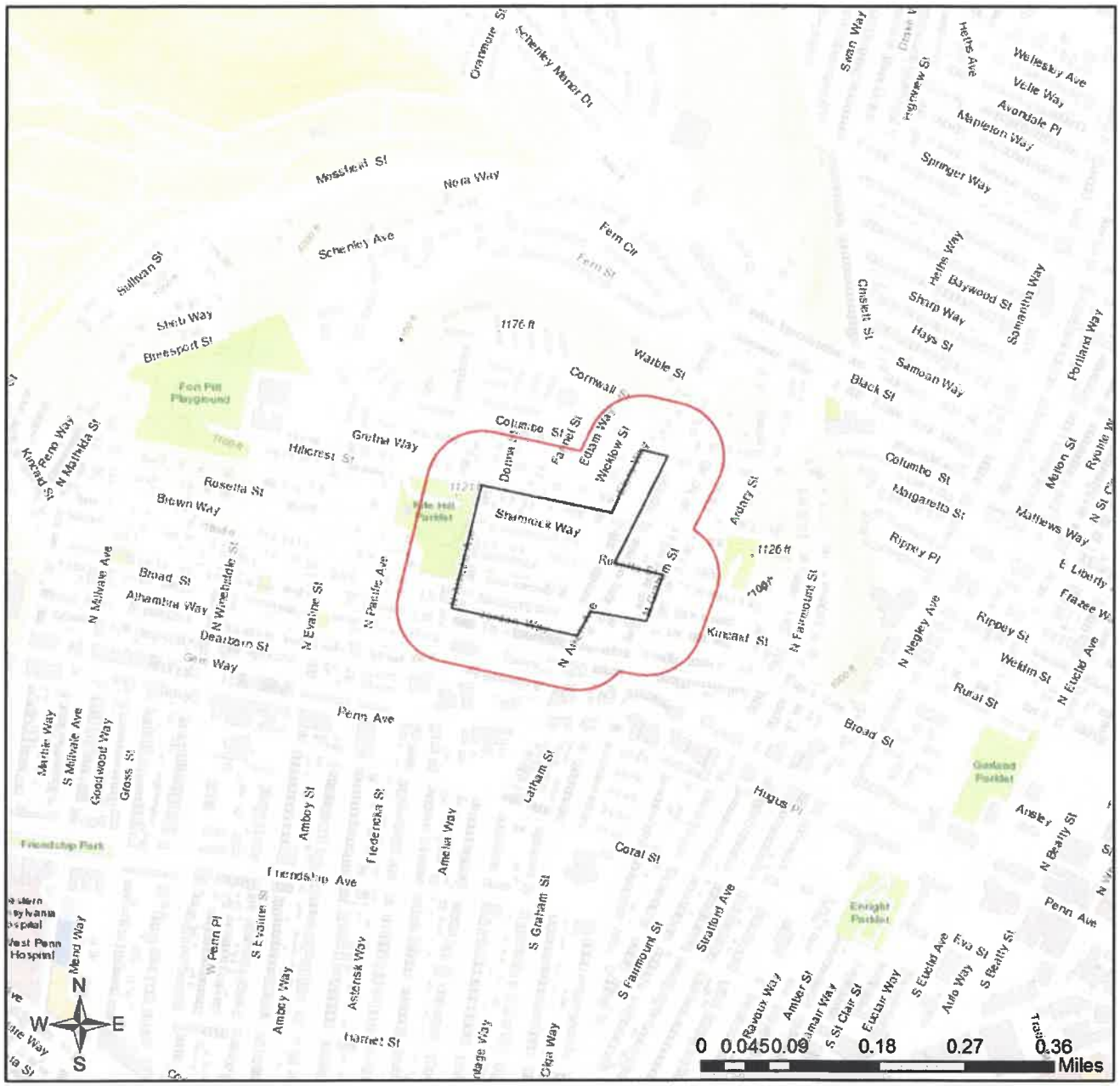
Garfield Highlands

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

Garfield Highlands



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 jursidictional 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

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

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

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

7. PROJECT CONTACT INFORMATION

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

applicant/project proponent signature

10/19/2020
date

SECTION H – ALTERNATIVE ANALYSIS

PROJECT ALTERNATIVES ANALYSIS

For

Garfield Highlands

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

Sewage Conveyance and Treatment Alternatives:

The proposed 5 duplexes, and 1 triplex (13 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 thirteen (13) 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

Pittsburgh Water & Sewer Authority

6/28/2021

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:	Garfield Highlands Scattered Sites – 5368-5370 Rosetta Street
Project Address:	5368-5370 Rosetta Street Pittsburgh, PA 15224
Net Flow, gpd:	800
EDU's, 400gpd/EDU:	2

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 x6875 or awynn@pgh2o.com.

Sincerely,

Ari Wynn
Co-op Intern

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

Pittsburgh Water & Sewer Authority

6/28/2021

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:	Garfield Highlands Scattered Sites – 5375-5377 Rosetta Street
Project Address:	5375-5377 Rosetta Street Pittsburgh, PA 15224
Net Flow, gpd:	800
EDU's, 400gpd/EDU:	2

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 x6875 or awynn@pgh2o.com.

Sincerely,

Ari Wynn
Co-op Intern

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

Pittsburgh Water & Sewer Authority

6/29/2021

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:	Garfield Highlands Scattered Sites – 213-215 North Aiken Avenue
Project Address:	213-215 North Aiken Avenue Pittsburgh, PA 15206
Net Flow, gpd:	800
EDU's, 400gpd/EDU:	2

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 x6875 or awynn@pgh2o.com.

Sincerely,

Ari Wynn
Co-op Intern

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

Pittsburgh Water & Sewer Authority

6/29/2021

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:	Garfield Highlands Scattered Sites – 405-431 North Aiken Avenue
Project Address:	405-431 North Aiken Avenue Pittsburgh, PA 15206
Net Flow, gpd:	2800
EDU's, 400gpd/EDU:	7

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 x6875 or awwynn@pgh2o.com.

Sincerely,

Ari Wynn
Co-op Intern

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

Pittsburgh Water & Sewer Authority

November 22, 2021

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

Subject: Sewage Facilities Planning Module (SFPM)
Approval for Collection System Flows
Project Name: Garfield Highlands Scattered Sites (Project)
PWSA Project No.: 20014.15

Dear Kate:

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

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at x6875 or awynn@pgh2o.com.

Sincerely,

Ari Wynn
2021.11.22
15:55:51 -05'00'

Ari Wynn
Cooperative Education Intern

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

Pittsburgh Water & Sewer Authority

MEMO

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

From: Ari Wynn

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

Date: November 22, 2021

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

Chapter 94 Consistency Determination

Project Name: Garfield Highlands Scattered Sites (Project)

Project Address: 5368-5375 Rosetta Street, 213, 215, 405, and 431 North Aiken Avenue

PWSA Project Number: 20014.15

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

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

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly.

Enclosures

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1200 Penn Avenue
Pittsburgh PA 15222

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@pgh2o

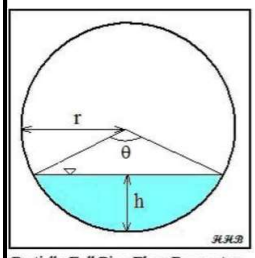
Customer Service /
Emergencies:
412.255.2423

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

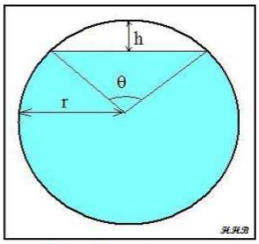
PROJECT NAME:	Garfield Highlands Scattered Sites - 5368-5377 Rosetta Street
PWSA PROJECT NUMBER:	20014.15
PWSA REVIEWER:	Ari Wynn
DATE:	October 19, 2021

LEGEND: Input Data | Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters (Less Than Half Full)



Partially Full Pipe Flow Parameters (More Than Half Full)

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

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

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

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q_p	1,600	gpd

Variable	*Value*	*Units*
Material	VCP	
n	0.015	unitless
S	0.030	ft/ft
h	0.333	ft
D	1.67	ft
P.F.	3.5	unitless

Section C: Calculations for Design and/or Permitted Capacities

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

Design Capacity, Average	*Design Capacity, Peak*

Variable	Value	Unit
$Q_{d, avg}$	3,860,302	gpd

Variable	Value	Unit
D	1.667	ft
r	0.833	ft
A	2.182	ft^2
P	5.236	ft
R	0.417	ft
$Q_{d, peak}$	21	cfs
$Q_{d, peak}$	13,511,057	gpd

Section D: Calculations for Present Flows

Variable	Description	Definition
$Q_{ex, avg}$	Present Flows, Average	existing flow conditions per site investigations
$Q_{ex, peak}$	Present Flows, Peak	= existing flow conditions x peaking factor

Present Flows, Average		
Variable	Value	Unit
D	1.667	ft
r	0.833	ft
Θ	1.85	rad
h/D	0.2	ft/ft
A	0.31	ft^2
P	1.55	ft
R	0.201	ft
$Q_{ex, avg}$	2	cfs
$Q_{ex, avg}$	1,183,181	gpd

Present Flows, Peak		
Variable	Value	Unit
$Q_{ex, peak}$	4,141,134	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
$Q_{proj, avg}$	1,242,820	gpd
$Q_{proj, peak}$	4,349,870	gpd

Section F: Compare Results with Applicant's Submission

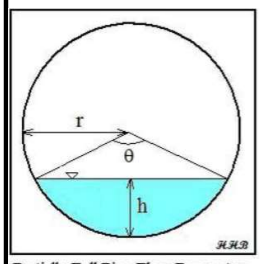
Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
$Q_{d, avg}$	3,860,302	3,860,031	271	0%
$Q_{d, peak}$	13,511,057	13,510,107	950	0%
$Q_{ex, avg}$	1,183,181	1,179,405	3,776	0%
$Q_{ex, peak}$	4,141,134	4,127,919	13,215	0%
$Q_{proj, avg}$	1,242,820	1,238,856	3,964	0%
$Q_{proj, peak}$	4,349,870	4,335,995	13,875	0%

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

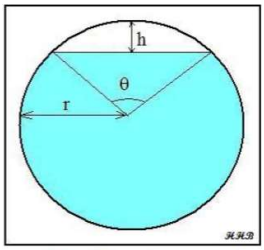
PROJECT NAME:	Garfield Highlands Scattered Sites - 213-215 North Aiken Avenue
PWSA PROJECT NUMBER:	20014.15
PWSA REVIEWER:	Ari Wynn
DATE:	November 3, 2021

LEGEND: Input Data | Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters (Less Than Half Full)



Partially Full Pipe Flow Parameters (More Than Half Full)

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

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

$$A_{<50\%\ Full} = \frac{r^2(\Theta - \sin\Theta)}{2} \qquad P_{<50\%\ Full} = r \times \Theta$$

OR

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q_p	800	gpd

Variable	*Value*	*Units*
Material	VCP	
n	0.015	unitless
S	0.093	ft/ft
h	0.021	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*
$Q_{d, avg}$	3,159,538	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
$Q_{d, peak}$	17	cfs
$Q_{d, peak}$	11,058,383	gpd

Section D: Calculations for Present Flows

Variable	*Description*	*Definition*
$Q_{ex, avg}$	Present Flows, Average	existing flow conditions per site investigations
$Q_{ex, peak}$	Present Flows, Peak	= existing flow conditions x peaking factor

Present Flows, Average		
Variable	*Value*	*Unit*
D	1.250	ft
r	0.625	ft
Θ	0.52	rad
h/D	0.016666667	ft/ft
A	0.0045	ft^2
P	0.3237	ft
R	0.0138	ft
$Q_{ex, avg}$	0.008	cfs
$Q_{ex, avg}$	5,017	gpd

Present Flows, Peak		
Variable	*Value*	*Unit*
$Q_{ex, peak}$	17,558	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*
$Q_{proj, avg}$	5,507	gpd
$Q_{proj, peak}$	19,276	gpd

Section F: Compare Results with Applicant's Submission

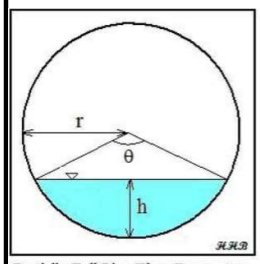
Variable	*PWSA, gpd*	*Applicant, gpd*	*Difference, gpd*	*Difference, %*
$Q_{d, avg}$	3,159,538	3,159,316	222	0%
$Q_{d, peak}$	11,058,383	11,057,606	777	0%
$Q_{ex, avg}$	5,017	5,091	-74	-1%
$Q_{ex, peak}$	17,558	17,817	-259	-1%
$Q_{proj, avg}$	5,507	5,585	-78	-1%
$Q_{proj, peak}$	19,276	19,548	-272	-1%

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

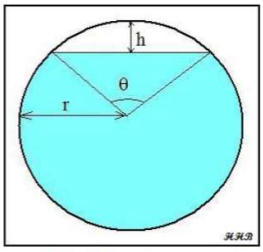
PROJECT NAME:	Garfield Highlands Scattered Sites - 405-431 North Aiken Avenue
PWSA PROJECT NUMBER:	20014.15
PWSA REVIEWER:	Ari Wynn
DATE:	October 19, 2021

LEGEND: Input Data | Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters (Less Than Half Full)



Partially Full Pipe Flow Parameters (More Than Half Full)

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

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

$$A_{<50\%\ Full} = \frac{r^2(\Theta - \sin\Theta)}{2} \qquad P_{<50\%\ Full} = r \times \Theta$$

OR

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q_p	2,800	gpd

Variable	*Value*	*Units*
Material	VCP	
n	0.015	unitless
S	0.078	ft/ft
h	0.042	ft
D	1.50	ft
P.F.	3.5	unitless

Section C: Calculations for Design and/or Permitted Capacities

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

Design Capacity, Average		
Variable	*Value*	*Unit*
$Q_{d, avg}$	4,692,633	gpd

Design Capacity, Peak		
Variable	*Value*	*Unit*
D	1.500	ft
r	0.750	ft
A	1.767	ft^2
P	4.712	ft
R	0.375	ft
$Q_{d, peak}$	25	cfs
$Q_{d, peak}$	16,424,214	gpd

Section D: Calculations for Present Flows

Variable	*Description*	*Definition*
$Q_{ex, avg}$	Present Flows, Average	existing flow conditions per site investigations
$Q_{ex, peak}$	Present Flows, Peak	= existing flow conditions x peaking factor

Present Flows, Average		
Variable	*Value*	*Unit*
D	1.500	ft
r	0.750	ft
Θ	0.67	rad
h/D	0.027777778	ft/ft
A	0.0138	ft^2
P	0.5023	ft
R	0.0274	ft
$Q_{ex, avg}$	0.035	cfs
$Q_{ex, avg}$	22,381	gpd

Present Flows, Peak		
Variable	*Value*	*Unit*
$Q_{ex, peak}$	78,334	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*
$Q_{proj, avg}$	24,340	gpd
$Q_{proj, peak}$	85,191	gpd

Section F: Compare Results with Applicant's Submission

Variable	*PWSA, gpd*	*Applicant, gpd*	*Difference, gpd*	*Difference, %*
$Q_{d, avg}$	4,692,633	4,692,303	330	0%
$Q_{d, peak}$	16,424,214	16,423,060	1,154	0%
$Q_{ex, avg}$	22,381	22,455	-74	0%
$Q_{ex, peak}$	78,334	78,593	-259	0%
$Q_{proj, avg}$	24,340	24,418	-78	0%
$Q_{proj, peak}$	85,191	85,463	-272	0%

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

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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.

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BUREAU OF CLEAN WATER

DEP Code #:

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

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

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

Project Name

Garfield Highlands

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

1. Date plan received by municipal planning agency 12/6/2021
2. Date review completed by agency 12/10/2021

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

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

SECTION C. AGENCY REVIEW (continued)

Yes	No		
☐	☒	13.	Is this proposal consistent with the ordinance? If no, describe the inconsistencies Under Review
☒	☐	14.	Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies
☐	☒	15.	Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe
☐	☒	16.	Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
☐	☐		If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies

17. Name, title and signature of planning agency staff member completing this section:

Name: Kyla Prendergast

Title: Senior Environmental Planner

Signature: Kyla Prendergast

Date: 12/10/2021

Name of Municipal Planning Agency: City of Pittsburgh Department of City Planning

Address 200 Ross Street 4th Floor Pittsburgh, PA 15219

Telephone Number: (412) 255-2516

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

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

The planning agency must complete this component within 60 days.

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

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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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.

3850-FM-BCW0362C 6/2016

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DEP Code #:

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

Garfield Highlands

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

1. Date plan received by county or joint county health department January 20, 2022

   Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency January 21, 2022

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

Yes	No		
☒	☐	1.	Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?
			If no, what are the inconsistencies?
☐	☒	2.	Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
			If yes, describe
☐	☒	3.	Is there any known groundwater degradation in the area of this proposal?
			If yes, describe
☒	☐	4.	The county or joint county health department recommendation concerning this proposed plan is as follows: ACHD recommends approval. See attached letter.
		5.	Name, title and signature of person completing this section:

Name: Freddie Fields

Title: Environmental Health Engineer III

Signature: Freddie Fields

Date: January 21, 2022

Name of County Health Department: ACHD

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

Telephone Number: 412-578-8046

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

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

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

COUNTY OF ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

January 21, 2022

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

RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
Garfield Highlands, City of Pittsburgh

Dear Ms. Zabrowski:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on January 20, 2022. The project proposes the following:

Project Description:	Garfield Highlands. Proposing to purchase eight (8) tax parcels, develop a subdivision/consolidation plan to reconfigure the existing lots or tax parcels, and develop & construct thirteen (13) residential units located at 5368 - 5370 (2 dwellings) Rosetta Street, 5375 - 5377 (2 dwellings) Rosetta Street, 213 - 215 (2 dwellings) N. Aiken Avenue, and 405 - 431 (7 dwellings) N. Aiken Avenue in the City of Pittsburgh, Allegheny County.
Sewage Flow:	5,200 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to the ALCOSAN POC A-22 to the Allegheny River interceptor and then to the ALOSAN 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.

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)