



GATEWAY

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C-41191-0000

November 2022

Environmental Charter School

6545 Hamilton Avenue
City of Pittsburgh
Allegheny County, PA

PREPARED FOR

Avon Design Group, LLC
9800B McKnight Road
Pittsburgh, PA 15237

SUBMITTED BY

Shannon L. McCullough, GIP
The Gateway Engineers, Inc.
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SEWAGE FACILITIES
PLANNING MODULE



A FULL-SERVICE CIVIL ENGINEERING FIRM

EXHIBITS

- EXHIBIT A. Sewage Facilities Planning Module – Component 3 – Sewage Collection and Treatment Facilities
- EXHIBIT B. PWSA Water and Sewer Availability Letter
- EXHIBIT C. Project Narrative
- EXHIBIT D. U.S.G.S. Site Location Map
- EXHIBIT E. Sewage Flow Calculations
- EXHIBIT F. Existing Sewer Flow Calculations
- EXHIBIT G. Alternatives Analysis
- EXHIBIT H. Sewage Facilities Planning Module – Component 4A – Municipal Planning Agency Review
- EXHIBIT I. Sewage Facilities Planning Module – Component 4C – County of Joint Health Department Review
- EXHIBIT J. Plot Plan

EXHIBIT A.

**Sewage Facilities Planning Module – Component 3 – Sewage Collection
and Treatment Facilities**



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

Code No.

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Environmental Charter School

2. Brief Project Description The proposed project is a privately funded project consisting of the demolition of an existing parking lot, construction of an environmental charter school, bicycle parking area, an underground stormwater management system, new sidewalk, and utility installation.

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

Municipality Name	County	City	Boro	Twp
Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Additional Individual Last Name	First Name	MI	Suffix	Title
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Municipality Mailing Address Line 1	Mailing Address Line 2
Department of City Planning	200 Ross Street, Suite 4

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

Environmental Charter School

Site Location Line 1

Site Location Line 2

Site Location Last Line -- City

State

ZIP+4

Latitude

Longitude

Pittsburgh

PA

15232

40°27'28"N

79°56'08"W

Detailed Written Directions to Site From Bigelow Boulevard, make a left onto Baum Boulevard, a left on S. Highland Ave, a right on Broad St, a right on E. Liberty Boulevard, and a left on Hamilton Avenue. The project site will be on the left 0.2 miles after the turn.

Description of Site The proposed project is a privately funded project consisting of the demolition of an existing parking lot, construction of an environmental charter school, bicycle parking area, an underground stormwater management system, new sidewalk, and utility installation

Site Contact (Developer/Owner)

Last Name

First Name

MI

Suffix

Phone

Ext.

McCann

Jon

412-257-7970

302

Site Contact Title

Site Contact Firm (if none, leave blank)

Owner

Avon Design Group, LLC

FAX

Email

jon.mccann@ecspgh.org

Mailing Address Line 1

Mailing Address Line 2

5525 Columbo Street

Mailing Address Last Line -- City

State

ZIP+4

Pittsburgh

PA

15206

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

Last Name

First Name

MI

Suffix

McCullough

Shannon

L

Title

Consulting Firm Name

Environmental Specialist

The Gateway Engineers, Inc.

Mailing Address Line 1

Mailing Address Line 2

100 McMorris Road

Address Last Line -- City

State

ZIP+4

Country

Pittsburgh

PA

15205

United States

Email

Area Code + Phone

Ext.

Area Code + FAX

smccullough@gatewayengineers.com

412-409-2281

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 (PWSA)

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 30

Connections 3 (1 sewer; 2 sewer & storm)

Name of:

existing collection or conveyance system Putnam Street 15" VCP Combination Sewer and Hamilton Avenue 20" Unknown Combination Sewer

owner PWSA

existing interceptor Allegheny River Interceptor (A-42)

owner ALCOSAN

2. WASTEWATER TREATMENT FACILITY

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

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

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

Name of existing facility ALCOSAN

NPDES Permit Number for existing facility 25984

Clean Streams Law Permit Number _____

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

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

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

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

Agent Signature Courtney Dumm Date 10/11/2022

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

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

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

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____.

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

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

Name of Permittee Agency, Authority, Municipality _____

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

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

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

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

1. Project Flows 11835 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	2725611	9539639	49000	6685000	2009051	7031677
Conveyance		28,900,000	0,120,000	6,580,000	0,193,153	6,657,753
Treatment		250,000,000	191,500,000	250,000,000	228,342,000	295,000,000

3. Collection and Conveyance Facilities

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

YES NO

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

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

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

b. Collection System

Name of Agency, Authority, Municipality PWSA

Name of Responsible Agent Robert Herring

Agent Signature  Robert Herring 2022.09.28 16:03:05 -04'00' Date 9/28/2022

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

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

Agent Signature *Courtney Dumm*

Date 10/11/2022

4. Treatment Facility

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

YES NO

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

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

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

- b. Name of Agency, Authority, Municipality ALCOSAN

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

Agent Signature *Courtney Dumm*

Date 10/11/2022

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

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

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

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

L. PERMEABILITY TESTING (See Section L of instructions)

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

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

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

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

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

O. SEWAGE MANAGEMENT (See Section O of instructions)

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

Yes No

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

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

2. Project Flows _____ gpd

Yes No

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

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

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

- c. Conveyance System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

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

Yes No

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

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

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

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

(For completion by the municipality)

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

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

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

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

Yes No

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

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

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

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

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

Shannon L. McCullough
Name (Print)
Environmental Specialist
Title
100 McMorris Road, Pittsburgh, PA 15205
Address

Shannon L. McCullough
Signature
10-4-22
Date
412-409-2281
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 \$1,500 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania
Deed Volume _____ Book Number _____
Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

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

$$\#30 \quad \text{Lots (or EDUs)} \times \$50.00 = \$ 1,500$$

The fee is based upon:

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

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

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

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

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

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

The fee is based upon:

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

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



October 11, 2022

Members of the Board

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Chair Person
Shannah Tharp-Gilliam, Ph.D.
Harry Readshaw
Jack Shea
Emily Kinkead
Paul Klein

Arletta Scott Williams
Executive Director

Douglas A. Jackson, P.E.
*Director
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Michelle M. Buys, P.E.
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Shannon L. McCullough, GIP
The Gateway Engineers, Inc.
100 McMorris Road
Pittsburgh, PA 15205

**Re: Environmental Charter School
City of Pittsburgh – Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure A-42-00**

Dear Ms. McCullough,

We have reviewed the Component 3 Planning Module for the referenced project to be located at 6545 Hamilton Avenue, City of Pittsburgh. The project will generate a peak flow of 11,835 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN A-42-00 regulator structure is approximately 28.9 MGD. The estimated peak dry weather flow is approximately 6.58 MGD. Therefore, dry weather capacity exists for this connection. However, the Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN requests that this letter be made part of the planning module submission. The signed Component 3 Planning Module is attached. If you have any questions regarding this matter, please contact me at 412-734-8365.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY



Courtney Dumm, E.I.T.

Junior Civil/Environmental Engineer

Attachment

cc: C. Dcan (w/o attachment) B. King/PWSA (w/o attachment)
D. Thornton (w/o attachment) Thomas Flanagan/PADEP (w/o attachment)
M. Lichte (w/o attachment) Fred Fields/ACHID (w/o attachment)

EXHIBIT B.

PWSA Water and Sewer Availability Letter



04/25/2022

Shannon McCullough
The Gateway Engineers, Inc.
100 McMorris Rd, Pittsburgh PA 15205-9445

RE: Water and Sewer Availability
6545 Hamilton Ave, Pittsburgh PA 15206-4145

Dear Shannon McCullough

In response to your inquiry concerning water and sewer availability for the area referenced above, please be advised that water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority as described below:

Water service available: Yes

Sewer service available: Yes

12" Hamilton Avenue
6" Putnam Street

20" Hamilton Avenue
15" Putnam Street

We wish to advise you that, if it is your desire to tap our water and sewer mains for service, your plans must be approved through a development permit application in accordance with the PWSA Developer's Manual.

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

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

Sincerely,

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

Wendy M. Dean
Engineering Tech II

EXHIBIT C.

Project Narrative

Project Narrative
Environmental Charter School
6545 Hamilton Avenue, 12th Ward, City of Pittsburgh

The proposed Environmental Charter School project consists of the demolition of an existing parking lot, construction of an environmental charter school, bicycle parking area, an underground stormwater management system, new sidewalk, and utility installation. The property of interest is parcel 125-E-130 in the 12th Ward of the City of Pittsburgh and is currently owned by Environmental Charter School at Frick Park per the Allegheny County GIS viewer. The project area encompasses the entire 0.71 acre lot.

The project site will experience an increase in water consumption and sanitary flow due to the construction of the environmental charter school where a warehouse and office space currently exist. The PWSA Developer's Manual was utilized to determine the existing peak water consumption and sewage flow for the site. A total peak consumption/flow of 190 GPD exists for this warehouse and office space.

The proposed floor plans, numerical amount of students/staff/faculty, and peak flows provided in Table 2-1 of PWSA's Developers Manual were utilized to determine the proposed peak sewage flow and water consumption for the apartment building. A total peak flow of 12,025 GPD is proposed for The Julian. Removing the existing flow from the warehouse results in a peak net flow of 11,835 GPD (30 EDUs).

This project will require the termination of existing, active taps as well as the construction of a new domestic water service lateral, fire service line, sanitary sewer laterals, storm sewer lateral. Associated tap-in plans for the private water, storm, and sanitary connections will be submitted to PWSA for review and approval.

The sanitary sewer in Hamilton Ave is an 15" PWSA owned combination gravity sewer and connects into the Allegheny River Interceptor Sewer A-42 and then to ALCOSAN's treatment plant where the sewage receives final treatment. Domestic water and fire service will be provided off the existing 12" PWSA owned water main located in Hamilton Ave.

Flow Calculation Summary

Present Flows – Flow Monitoring

One month of flow monitoring was completed by Drnach Environmental in MH125F024 to determine the existing average and peak flows present in the sewer of interest. Flow monitoring began on 4/30/22 and ended on 5/29/22. **Analysis of the received data reports an existing average flow of 0.049 MGD and an peak hourly flow of 6.685 MGD.**

Design Capacity

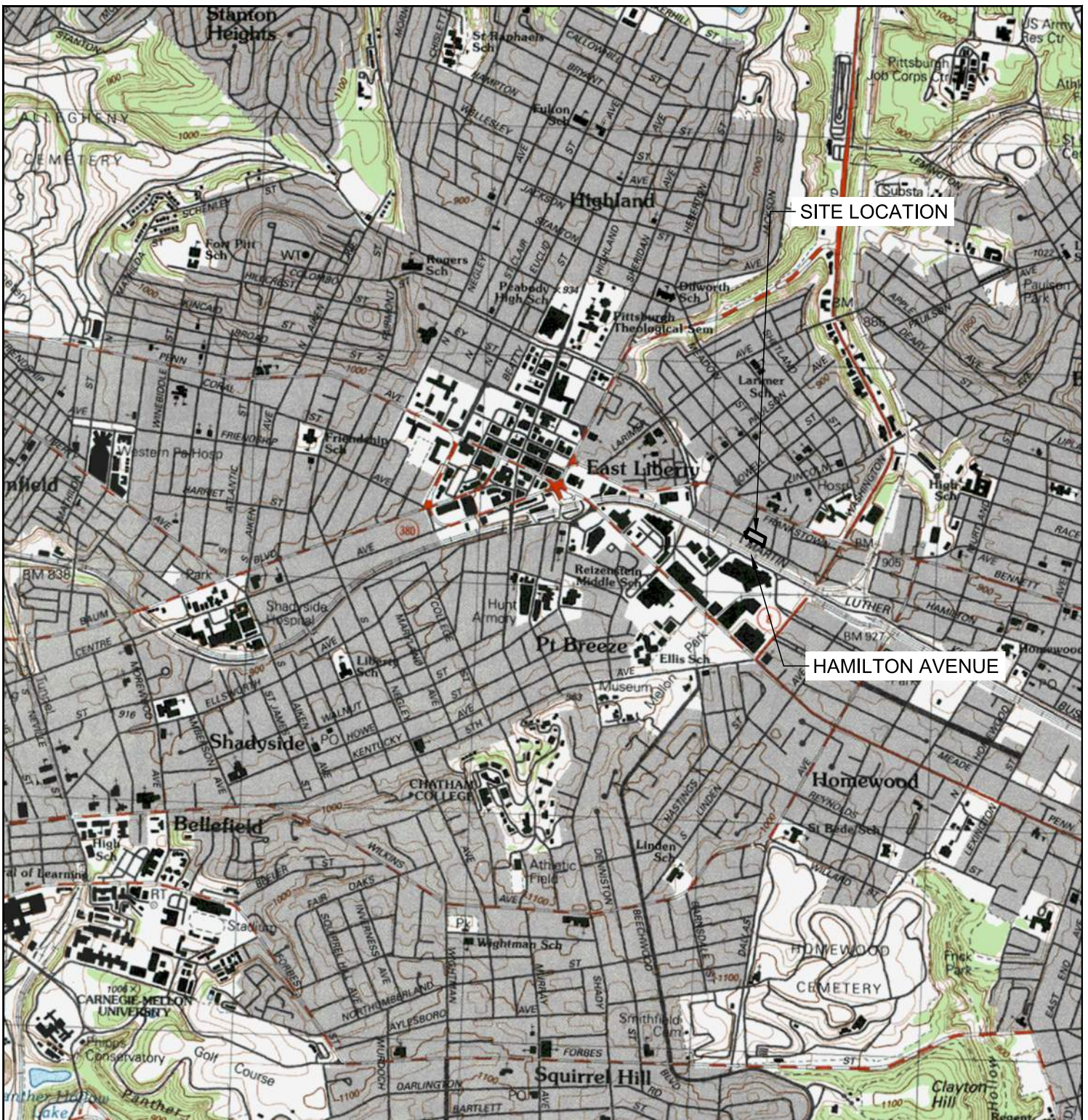
The existing sewer's average and peak hydraulic capacity were calculated by determining the existing slope of the sewer of interest using as-built information and the 3RWW Atlas between the monitoring manhole (MH125F024) and the next upstream manhole. The sewer was analyzed under full flow conditions, and a peaking factor of 3.5 (combined sewer) was applied to obtain the peak hydraulic capacity per the PWSA Developer's Manual. **The average hydraulic capacity was calculated to be 2.725 MGD and the peak hydraulic capacity was calculated to be 9.539 MGD.**

5-Year Projected Flow

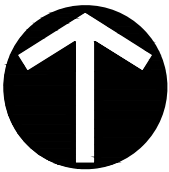
Using the equations in the PWSA Developer's Manual, the net flow, 11,835 GPD, was added to the present average and peak flows to determine the projected flow in 5 years. **The projected average flow is estimated to be 2.009 MGD and the projected peak flow is estimated to be 7.031 MGD.** Since the 5-year flows are less than the calculated design capacity of the sewer, the additional flow due to the construction of Environmental Charter School will not overload the sewer.

EXHIBIT D.

U.S.G.S. Site Location Map



USGS SITE LOCATION MAP
 PITTSBURGH EAST
 QUADRANGLE
 SCALE 1"=2,000'



NORTH

SITE LOCATION MAP

Project Number: C-41191-0000
 Drawing Scale: 1"=2000'
 Date Issued: _____
 Index Number: _____
 Drawn By: SLM
 Checked By: _____
 Project Manager: SMD

USGS

ENVIRONMENTAL CHARTER SCHOOL

6545 HAMILTON AVENUE
 PITTSBURGH, PA 15206

PREPARED FOR:
AVON DESIGN GROUP, LLC
 9800B MCKNIGHT ROAD, SUITE 104
 PITTSBURGH, PA 15237

Date	No	REVISION RECORD
-	01	-
-	02	-
-	03	-
-	04	-
-	05	-
-	06	-
-	07	-
-	08	-

GATEWAY[®]

The Gateway Engineers, Inc.
 Full-Service Civil Engineering & Surveying
 Pittsburgh, PA
 gatewayengineers.com 855-634-9284

EXHIBIT E.

Sewage Flow Calculations

Anticipated Sewage Flow Calculations

Environmental Charter School
6545 Hamilton Avenue, 12th Ward, City of Pittsburgh

Peak Existing Flow

6545 Hamilton Avenue, Pittsburgh, PA 15206

Water Use and Sanitary Flows from Table 1 of Section 3 within the PWSA Developer's Manual¹:

Warehouse = 35 GPD/Employee

Office = 10 GPD/Employee

$$[(4 \text{ Warehouse Employees}) \times (35 \text{ GPD/Employee})] + [(5 \text{ Office Employees}) \times (10 \text{ GPD/Employee})] = 190 \text{ GPD}$$

Total Existing Flow = 190 GPD

Peak Proposed Flow

Water Use and Sanitary Flows from Table 1 of Section 3 within the PWSA Developer's Manual¹:
School, day (with cafeterias, but no gym or showers per student and employee) = 25 GPD

(Numbers below provided by developer)

Total Number of Students = 416

Total Number of Staff/Faculty = 65

Total = 481

Peak Flow Calculation:

$$(481 \text{ Employee, Student}) \times (25 \text{ GPD/Employee, Student}) = 12,025 \text{ GPD}$$

Net Flow

Net Sewage Flow = Peak Proposed Flow – Peak Existing Flow

Net Sewage Flow = 12,025 GPD – 190 GPD

Net Sewage Flow = 11,835 GPD

Net Sewage Flow = Net Water Use ∴

Net Water Usage = 11,835 GPD (30 EDU's)

Sources:

¹ Table 1, Section 3, PWSA Developer's Manual

EXHIBIT F.

Existing Flow Calculations (Signed and Sealed)

Most Limited Capacity Sewer (MLCS) Spreadsheet

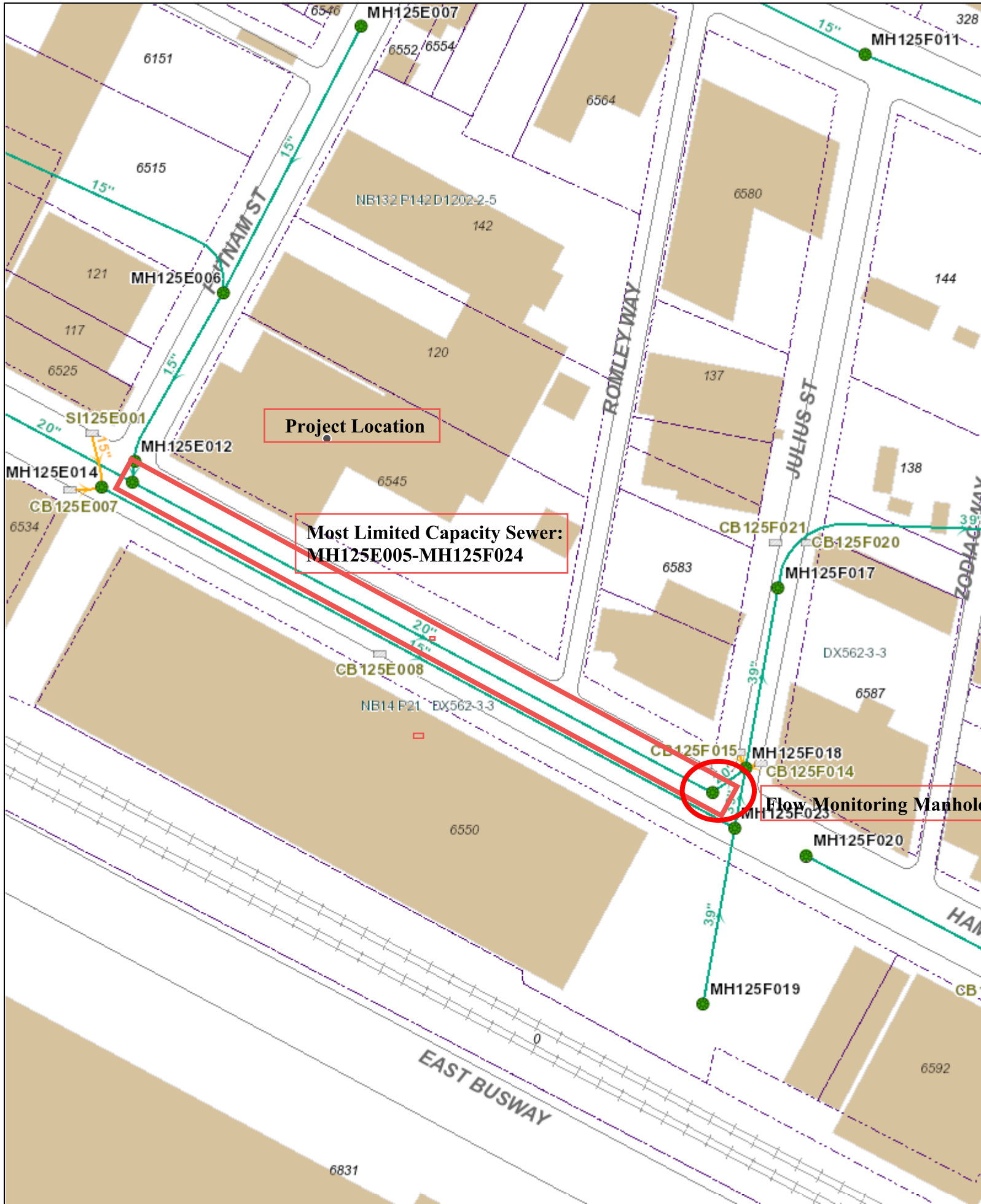
PROJECT NAME:	6545 Hamilton Avenue
PWSA PROJECT NUMBER:	DEV-31-0222
PWSA REVIEWER:	Anthony Gallina
DATE:	March 24, 2022

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH125E005	MH125F024	905.20	904.40	427.33	20	VCP	0.15	2.18	5.236	0.19%	338,078
MH125F024	MH125F018	904.40	904.00	26.75	20	VCP	0.15	2.18	5.236	1.50%	955,481
MH125F018	MH125F017	904.00	901.90	119.72	39	Brick	0.016	8.30	10.210	1.75%	57,580,699
MH125F017	MH125F015	901.90	895.70	287.29	39	Brick	0.016	8.30	10.210	2.16%	63,868,428
MH125F015	MH125F032	895.70	895.60	4.09	36	Brick	0.016	7.07	9.425	2.44%	54,914,879
MH125F032	MH125F031	895.60	894.00	92.84	36	Brick	0.016	7.07	9.425	1.72%	46,104,584
MH125F031	MH125F030	894.00	892.32	122.54	36	Brick	0.016	7.07	9.425	1.37%	41,090,745
MH125F030	MH125F029	892.32	890.65	161.50	36	Brick	0.016	7.07	9.425	1.04%	35,872,808
MH125F029	MH125F028	890.65	888.17	161.62	36	Brick	0.016	7.07	9.425	1.53%	43,504,079
MH125F028	JCT125F011	888.17	885.69	146.58	36	Brick	0.016	7.07	9.425	1.69%	45,681,480
JCT125F011	JCT125F010	885.69	882.07	102.87	36	Brick	0.016	7.07	9.425	3.52%	65,881,215
JCT125F010	JCT125F005	882.07	880.65	17.01	36	Brick	0.016	7.07	9.425	8.35%	101,471,411
JCT125F005	MH125F022	880.65	877.27	113.60	36	Brick	0.016	7.07	9.425	2.98%	60,578,829
MH125F022	MH125G013	877.27	871.65	144.26	36	Brick	0.016	7.07	9.425	3.90%	69,318,137
MH125G013	MH125G014	871.65	871.00	18.29	36	Brick	0.016	7.07	9.425	3.55%	66,206,634
MH125G014	MH125G011	871.00	860.72	279.49	45	Concrete	0.013	11.04	11.781	3.68%	150,303,273
MH125G011	MH125C004	860.72	833.26	647.77	48	Concrete	0.013	12.57	12.566	4.24%	191,662,934
MH125C004	MH125C012	833.26	815.05	289.88	48	Concrete	0.013	12.57	12.566	6.28%	233,315,788
MH125C012	JCT124R001	814.72	813.61	55.83	48	Brick	0.016	12.57	12.566	1.99%	106,647,168
JCT124R001	MH124R005	808.56	807.72	11.36	72	Brick	0.016	28.27	18.850	7.39%	606,385,515
MH124R005	EQ124R001	807.72	807.16	33.29	72	Brick	0.016	28.27	18.850	1.68%	289,224,752
EQ124R001	MH0124R02	806.92	797.20	561.78	96	Concrete	0.013	50.27	25.133	1.73%	777,490,214
MH0124R02	JT0124R01	797.20	797.00	109.49	96	Concrete	0.013	50.27	25.133	0.18%	252,622,894
JT0124R01	MH0124L02	797.00	789.09	445.89	96	Concrete	0.013	50.27	25.133	1.77%	787,262,040
MH0124L02	JT0124L01	789.09	788.08	197.20	96	Concrete	0.013	50.27	25.133	0.51%	423,011,493

6545 MLCS



Channel Report

Sewer Design Capacity - MH051H008 / MH051M001

Circular

Diameter (ft) = 1.70

Invert Elev (ft) = 904.54

Slope (%) = 1.35

N-Value = 0.015

Highlighted

Depth (ft) = 1.70

Q (cfs) = 14.76

Area (sqft) = 2.27

Velocity (ft/s) = 6.50

Wetted Perim (ft) = 5.34

Crit Depth, Yc (ft) = 1.43

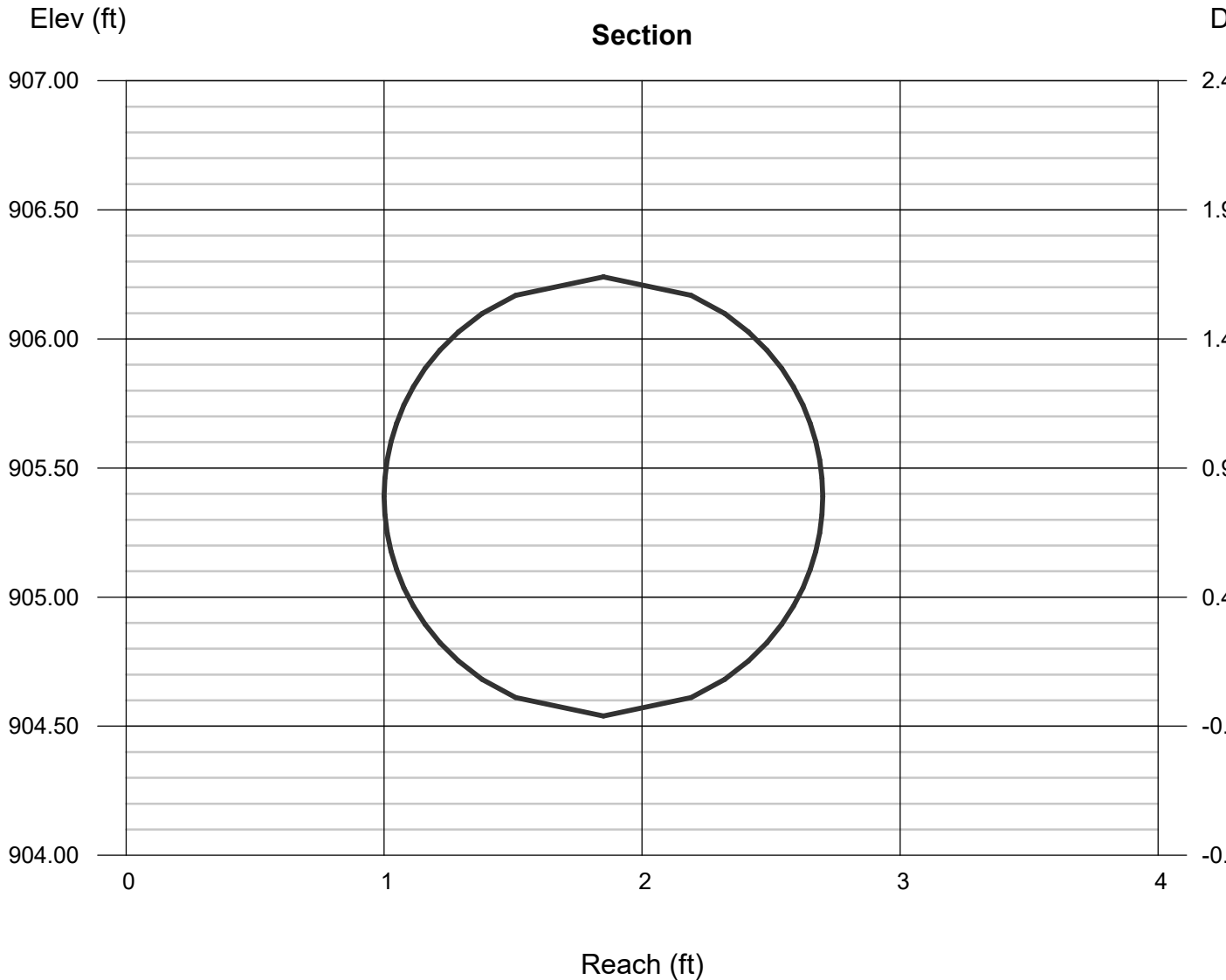
Top Width (ft) = 0.00

EGL (ft) = 2.36

Calculations

Compute by: Known Depth

Known Depth (ft) = 1.70 ← FULL FLOW



Environmental Charter School		
Sewage Capacity Calculations		
Pipe Diameter (per Flow Monitoring Report) =	20	in
Upstream Invert Elevation (per survey) =	904.54	
Downstream Invert Elevation (per survey) =	898.84	
Pipe Length (per survey) =	420.88	ft
Slope =	1.35	%
Mannings n =	0.015	(VCP)
Design Capacity		
Sewer Type (Combined/Separate)	Combined	
Peaking Factor	3.5	
Peak Hydraulic Capacity (Using Mannings Equation full-flow)	14.76	cfs
	9,539,639	GPD
Average Hydraulic Capacity (Peak Capacity divided by Peaking Factor)	2,725,611	GPD
Present Flows - MH125F024		
Present Average Flows (Flow data, refer to "Data Analysis" spreadsheet)	0.049	MGD
	49,000	GPD
Present Peak Flows (Flow data, refer to "Data Analysis" spreadsheet)	6.685	MGD
	6,685,000	GPD
Project Flow		
Project Flow	11,835	GPD
Projected Flows		
Projected Peak [(Present Peak Flow + Project Flow) x 1.05]	7,031,677	*GPD
Projected Average (Projected Peak Flow divided by Peaking Factor)	2,009,051	*GPD

*Projected Flows are less than the Design Capacity

Input
 Output

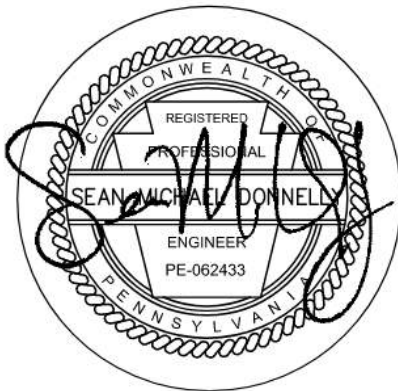


EXHIBIT G.

Alternatives Analysis

Alternatives Analysis

Environmental Charter School
6545 Hamilton Avenue, 12th Ward, City of Pittsburgh

The proposed short-term and long-term ultimate method of sanitary sewage conveyance and treatment of the total 12,025 GPD or 30.06 EDU peak flow from the proposed building will involve the use of adequately design storm and sanitary sewer laterals, owned and maintained by the property owner, connecting into the PWSA owned 15” combination gravity sewer system located in Hamilton Avenue. This public sewer connects into ALCOSAN’s Allegheny River Interceptor (A-42) and sewage flows via gravity to the ALCOSAN Treatment Plant at Woods Run.

The project site is surrounded by residential and commercial buildings. All adjacent properties utilize the existing public sewer system as their ultimate sewage disposal conveyance system and the ALCOSAN Treatment Plant as their ultimate sewage treatment method. There are no feasible sewage facilities alternatives because access to the public sewer system is available and the proposed building occupies majority of the property.

EXHIBIT H.

**Sewage Facilities Planning Module – Component 4A – Municipal
Planning Agency Review**



INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

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

Background

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

Who Should Complete the Component?

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

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

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

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

Section A. Project Name

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

Section B. Review Schedule

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

Section C. Agency Review

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

Section D. Additional Comments

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



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:

02001-21-11

**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

Environmental Charter School

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

1. Date plan received by municipal planning agency 10/28/20222. Date review completed by agency 10/27/2022

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 _____

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 _____

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

17. Name, title and signature of planning agency staff member completing this section:
 Name: Kyla Prendergast
 Title: Senior Environmental Planner
 Signature: *Kyla Prendergast*
 Date: 10/28/2022
 Name of Municipal Planning Agency: 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.

EXHIBIT I.

**Sewage Facilities Planning Module – Component 4C County of Joint
Health Department Review**

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

November 10, 2022

Shannon L. McCullough, GIP
The Gateway Engineers, Inc.
100 McMorris Road
Pittsburgh, PA 15205

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
Environmental Charter School, City of Pittsburgh**

Dear Mr. McCullough:

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 November 10, 2022. The project proposes the following:

Project Description:	Environmental Charter School. Proposing the demolish of an existing parking lot, construction of an environmental charter school, bicycle parking area, and underground stormwater management system, new sidewalk, and utility installation on a 0.7 areas lot (Parcel 125-E-130) located in the City of Pittsburgh, Allegheny County.
Sewage Flow:	11,835 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-42 to the Allegheny River Interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN



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

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



Mr. Shannon L. McCullough, GIP
November 10, 2022
Page 2

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, 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

Enclosure

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



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

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

Background

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

Who Should Complete the Component?

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

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

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

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

Section A. Project Name

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

Section B. Review Schedule

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

Section C. Agency Review

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

Section D. Additional Comments

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

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

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

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

Project Name

Environmental Charter School

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

1. Date plan received by county or joint county health department November 10, 2022

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency November 10, 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: 

Date: November 10, 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.

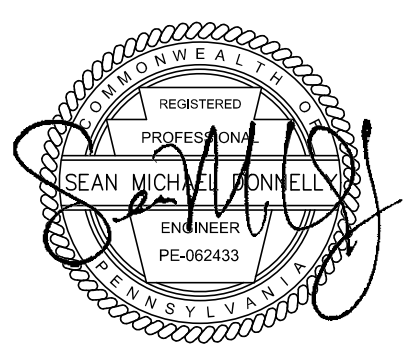
EXHIBIT J.

Plot Plan



AVON DESIGN GROUP, LLC
PERFORMANCE ARCHITECTURE

9808 McKnight Rd Suite 104
Pittsburgh PA 15237
412-366-0222



ENVIRONMENTAL CHARTER SCHOOL
6545 HAMILTON AVENUE,
PITTSBURGH, PA 15206

Project No.	Date	Description
01	07/29/22	DESIGN DEVELOPMENT
02	08/12/22	22% CD
03	08/19/22	33% CD
04	08/26/22	44% CD
05	09/02/22	55% CD
06	09/09/22	66% CD
07	09/23/22	88% CD
08	09/29/22	100% CD

UTILITY PLAN

C300

100% CD 2022 0929

LIST OF UTILITIES

DUQUESNE LIGHT COMPANY
2825 NEW BEAVER AVENUE
PITTSBURGH, PA 15233
CONTACT: EARL ELDER
PHONE: 412-393-7812

PEOPLES GAS COMPANY
375 NORTH SHORE DRIVE
PITTSBURGH, PA 15212
CONTACT: TIM VITULLO
PHONE: 878-645-6892

VERIZON PENNSYLVANIA
508 OLD FRANKSTOWN ROAD
MONROEVILLE, PA 15146
CONTACT: DAN BARREN
PHONE: 412-237-2291

CENTURY LINK
1530 CHARTIERS AVENUE
PITTSBURGH, PA 15204
CONTACT: TIM GAZDA
PHONE: 412-875-1388

CROWN CASTLE
2000 CORPORATE DRIVE
CANNONBURG, PA 15317
CONTACT: JAMES B. COLE II
PHONE: 412-728-6594

PITTSBURGH WATER & SEWER AUTHORITY (WATER & SEWERS)
PENN LIBERTY PLAZA I
1200 PENN AVENUE
PITTSBURGH, PA 15222
CONTACT: RICK OBERMEIER
PHONE: 412-255-8800

CITY OF PITTSBURGH, DOMI
611 SECOND AVENUE
PITTSBURGH, PA 15219
CONTACT: MIKE SALEM
PHONE: 412-255-2434

N/F
PRIZIO ENTERPRISES
DBV: 7516 PG: 483
TAX ID: 125-E-126

UTILITY LEGEND

	PROPOSED SANITARY LINE
	PROPOSED STORM LINE
	PROPOSED WATER LINE
	PROPOSED ELECTRIC, TELEPHONE, & DATA LINE
	PROPOSED UTILITY POLE
	PROPOSED WATER VALVE

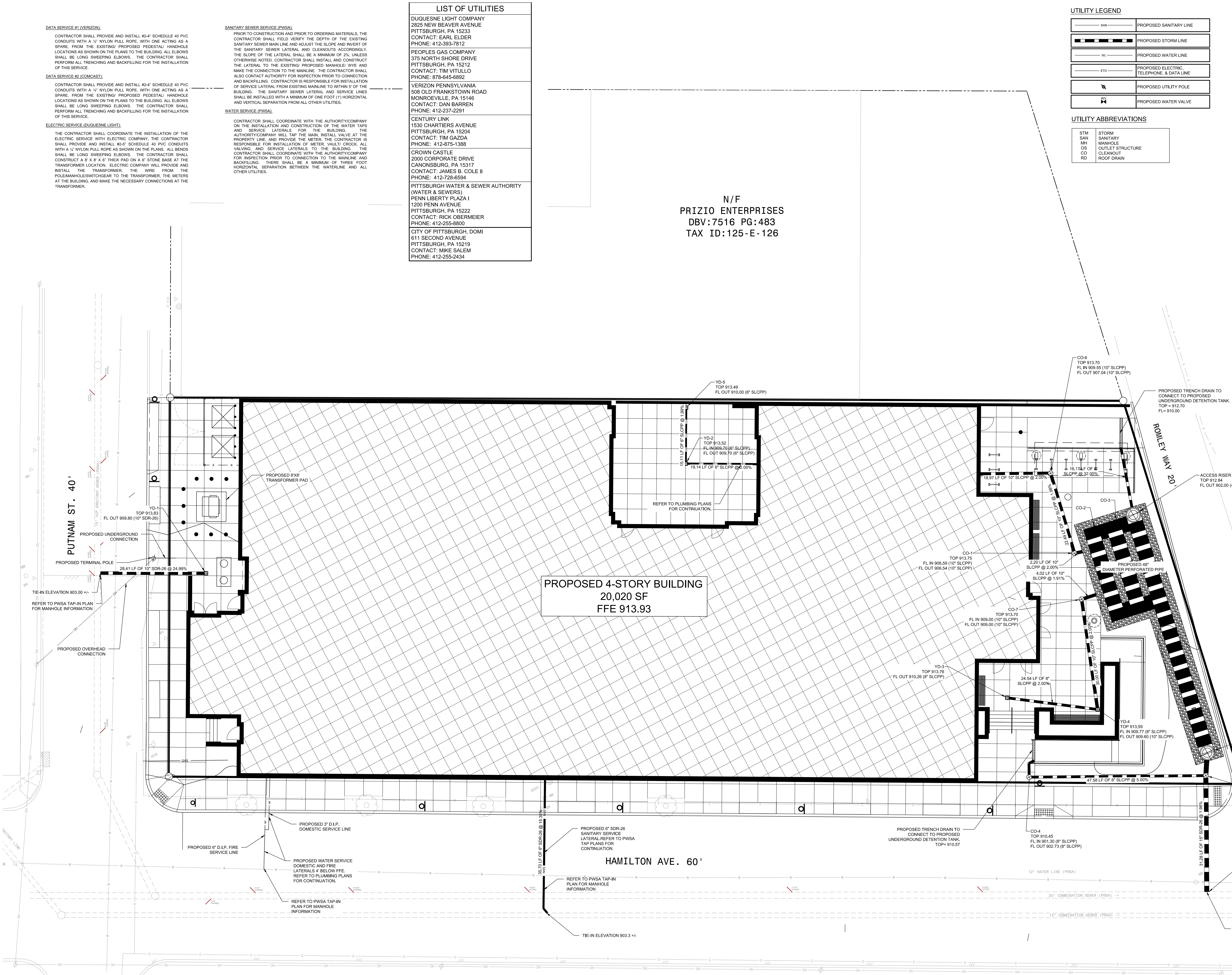
UTILITY ABBREVIATIONS

STM	STORM
SAN	SANITARY
MH	MANHOLE
OS	OUTLET STRUCTURE
CO	CLEANOUT
RD	ROOF DRAIN

UTILITY PLAN NOTES:

- THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-564), FEDERAL REGISTER, CHAPTER XVI, PART 1008 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSIDERED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
- BEFORE EXCAVATION ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL CONTACT PENNSYLVANIA ONE CALL SYSTEMS, INC. AT 8-1-1. THE LOCATION OF UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF PROPOSED UTILITIES CONSTRUCTION.
- UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR NOT.
- ALL CABLE, ELECTRIC, GAS, STORM AND SANITARY SEWER, TELEPHONE AND WATER SERVICE LINE TRENCHES LOCATED UNDER PROPOSED PAVEMENT AREAS SHALL BE BACKFILLED WITH 100% STONE MATERIAL TO THE PROPOSED PAVING SECTION IN ACCORDANCE WITH THE DETAIL SHOWN ON THE CONSTRUCTION DETAIL SHEETS.
- THERE SHALL BE NO CONSTRUCTION OF ELECTRIC TRANSFORMERS, TELEPHONE OR CABLE JUNCTION BOXES, GAS METERS OR SIMILAR DEVICES PLACED OVER ANY OTHER UNDERGROUND UTILITY.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS ON ALL STORM SEWER MANHOLES AND INLETS.
- AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.
- ALL STORM PIPE SHALL BE HDPE, SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE UNLESS OTHERWISE NOTED. ALL STORM SEWER CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS. ALL JOINTS SHALL BE WATERTIGHT.
- THE CONTRACTOR SHALL ASSURE THAT THERE IS POSITIVE DRAINAGE TO THE EXISTING INLETS UPON PLACEMENT OF NEW PAVEMENT.
- CONTRACTOR TO COORDINATE WITH THE BUILDING PLUMBING AND SITE ELECTRICAL PLANS TO ASSURE ACCURACY OF THE UTILITY CONNECTIONS TO THE BUILDING.
- CONDUIT LOCATIONS TO SITE LIGHT POLES TO BE COORDINATED WITH THE SITE ELECTRICAL PLAN.
- THE ALLEGHENY COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED FOR INSPECTION OF ALL PRIVATE SANITARY SEWERS, WATER LINES, AND STORM SEWER LINES WHERE THEY CONNECT TO A PUBLIC SEWER SYSTEM. ALL WATER AND SEWER LINES MUST BE INSTALLED BY A REGISTERED PLUMBER.
- THE ROOF COLLECTOR SYSTEM SHALL BE TRAPPED PRIOR TO CONNECTING TO THE SITE STORM SEWER SYSTEM.
- THE WATERLINE SHALL HAVE A MINIMUM OF 48" OF COVER AND BE AT LEAST 1 FOOT ABOVE THE SANITARY SEWER IF WITHIN 10 FEET OF THE HORIZONTAL DISTANCE OF THE SEWER.

GATEWAY PROJECT NO. C-41191



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Serial No. 20210621837

