

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 Chartiers Playground & Spray Park: Design & Renovation
2. Brief Project Description Renovation of the Chartiers playground and addition of spray park amenities

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Gregory	William			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)	
412-255-2470		william.gregory@pittsburghpa.gov	

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Chartiers Playground

Site Location Line 1

3793 Chartiers Avenue

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15204

Latitude

40.457714

Longitude

80.074856

Detailed Written Directions to Site Take Waterfront Dr to 31st St Bridge. Continue straight onto 30th St Bridge. R onto River Avenue. Take PA 28 S, I-279 S, PA 837 N/W Carson Street, PA-51 N to Chartiers Ave

Description of Site The historic and existing condition of the site is a playground with a concession stand which also houses public restrooms, a wood shelter, playground equipment, asphalt paths, a recirculating fountain, and some maintained lawn and plantings. Parcel 71-K-64 is 0.854 acres, and Parcel 71-K-145 is 3.784 acres – of which, about 1.11 acres – will be part of the playground & spray park design and renovation, for a total site area of approximately 1.965 acres, but the disturbed area is less than one acre.

Site Contact (Developer/Owner)

Last Name

Ketzel

First Name

Andrea

MI

Suffix

Phone

412-255-2370

Ext.

Site Contact Title

Senior Project Landscape Architect

Site Contact Firm (if none, leave blank)

City of Pittsburgh - Department of Public Works

FAX

Email

andrea.ketzel@pittsburghpa.gov

Mailing Address Line 1

414 Grant Avenue

Mailing Address Line 2

Room 200

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

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

Last Name

Lamm

First Name

Bernard

MI

J

Suffix

Title

Engineer

Consulting Firm Name

Common Ground

Mailing Address Line 1

10500 Old Babcock Boulevard

Mailing Address Line 2

Address Last Line – City

Gibsonia

State

PA

ZIP+4

15044

Country

USA

Email

bernie@discovercommonground.com

Area Code + Phone

724-799-6060

Ext.

Area Code + FAX

E. AVAILABILITY OF DRINKING WATER SUPPLY

The project will be provided with drinking water from the following source: (Check appropriate box)

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: Pennsylvania American

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 208

Connections 1

Name of:

existing collection or conveyance system Chartiers Avenue - 24" Combined Sewer - VCP

owner The Pittsburgh Water and Sewer Authority

existing interceptor Enters the Alcosan System at C-12-RG Railroad Yard (COP)- Combined Double Orifice with Flap Gate, and travels along Chartiers Creek in a 45" pipe, until it reaches the Ohio River, where it changes to a 54" and crosses the river to the WWTP, Ohio River Inceptor - Sheraden Park- Chartiers Creek Planning Basin.

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 _____ Longitude _____

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

As an authorized representative of the permittee, I confirm that the _____
(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 Joseph A. Sparbanier, P.E.

Agent Signature [Signature] Date 11-24-21

(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 83,327 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)		<i>Based on 30-Day Flow Data</i> b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	2085416	7298955	17414	21980	31592	110572
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 PWSA
 Name of Responsible Agent Barry King, PE, PMP
 Agent Signature  Date November 18, 2021

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joseph A. Sparbanie, P.E.

Agent Signature Joseph Sparbanie

Date 11/24/2021

4. Treatment Facility

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

YES NO

- 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 Joseph A. Sparbanie, P.E.

Agent Signature Joseph Sparbanie

Date 11/24/2021

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

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

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

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

L. PERMEABILITY TESTING (See Section L of instructions)

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

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

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

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

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

O. SEWAGE MANAGEMENT (See Section O of instructions)

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

Yes No

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

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

2. Project Flows _____ 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.

Bernard J. Lamm, PE

Name (Print)

Engineer

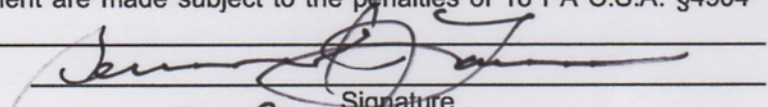
Title

10500 Old Babcock Boulevard, Gibsonia, PA 15944

Address

724-799-6060

Telephone Number


Signature
9-9-2021
Date

R. REVIEW FEE (See Section R of instructions)

The Sewage Facilities Act establishes a fee for the DEP planning module review. DEP will calculate the review fee for the project and invoice the project sponsor **OR** the project sponsor may attach a self-calculated fee payment to the planning module prior to submission of the planning package to DEP. (Since the fee and fee collection procedures may vary if a "delegated local agency" is conducting the review, the project sponsor should contact the "delegated local agency" to determine these details.) Check the appropriate box.

- I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.
- I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$_____ payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

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

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

The fee is based upon:

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

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

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

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

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

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

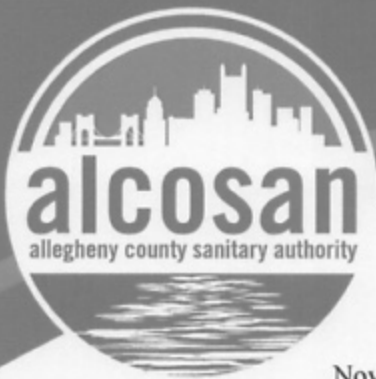
to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

The fee is based upon:

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

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

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



Members of the Board

Corey O'Connor
Chair Person

Harry Readshaw
Sylvia C. Wilson
Shannah Tharp-Gilliam, Ph.D.
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John Weinstein

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Engineering & Construction*

Karen Fantoni, CPA, CGMA
*Director
Finance*

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

Jeanne K. Clark
*Director
Governmental Affairs*

Joseph Vallarian
*Director
Communications*

Julie Motley-Williams
*Director
Administration*

November 24, 2021

Bernard J. Lamm, P.E.
Common Ground
10500 Old Babcock Boulevard
Gibsonia, PA 15044

**Re: Chartiers Playground
3793 Chartiers Avenue, Pittsburgh, PA 15204
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure C-12-00**

Dear Mr. Lamm:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh. The project will generate a peak flow of 83,327 GPD in the Chartiers Creek Interceptor and Woods Run Treatment Plant.

The capacity at the C-12-00 Point of Connection is approximately 0.483 MGD. The estimated peak dry weather flow is approximately 0.132 MGD. Dry weather capacity exists for this connection. However, the ALCOSAN Chartiers Creek 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 has completed and signed the sections required in the Component 3 module and requests that this letter be made part of the planning module submission. If you have any questions regarding this matter, please contact me at 412-732-8046.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Joseph Sparbanie

Joseph A. Sparbanie, P.E.
Civil Engineer

Attachment

cc: T. Dean (w/o attachment) B. King/ PWSA (w/o attachment)
D. Thornton (w/o attachment) T. Flanagan/ PaDEP (w/o attachment)
M. Lichte (w/o attachment) F. Fields/ ACHD (w/o attachment)

From: donotreply@pa.gov
Subject: [RECEIVED] Scanned Forms review - Reference ID: 31109
Date: September 9, 2021 at 3:23 PM
To: carma@discovercommonground.com
Cc: RA-EP-ONBASENOT@pa.gov



Dear Carma Lamm,

Thank you for submitting the SEWAGE FACILITIES PLANNING MODULE APPLICATION MAILER 3800-CD-BCW0359 form to DEP.

Region: SOUTHWEST REGIONAL OFFICE

County: ALLEGHENY

Municipality: PITTSBURGH CITY

Permit #/Project #:

RPCO Reference ID#:

DEP Processing Comments (if any):

""

We will review the document and associated information and notify you with any concerns.

Your form reference # is 31109. Please use this reference # for future inquiries to DEP and include on the check memo when remitting payment.

The DEP receipt date is 9/10/2021. Note: If your form was submitted after business or weekend / holiday, the receipt date is the next business day.



* This is an automated email from OnBase - DO NOT REPLY *



Common Ground

place-based design that builds community

Section F- Project Narrative

This project, the Chartiers Playground & Spray Park: Design & Renovation, is located at 3793 Chartiers Avenue, Pittsburgh, PA 15204 – Ward 28. The historic and existing condition of the site is a playground with a concession stand which also houses public restrooms, a wood shelter, playground equipment, asphalt paths, a recirculating fountain, and some maintained lawn and plantings.

The nature of this proposed development is ‘Other’. It is a renovation of the existing playground, with the incorporation of a new spray park amenity. The spray park amenity will be open from Memorial Day through Labor Day.

The number of EDUs is 208.32. All sewer connections will be on-site to existing infrastructure. No new sewer taps are needed. The existing, on-site, 15” pipe connects to the 24” pipe in Chartiers Avenue. The 24” pipe is owned by the PWSA.

The sewage is collected and conveyed via Chartiers Avenue, from the initial 24” line. From here, flow enters the ALCOSAN System at C-12-RG Railyard (COP), and travels along Chartiers Creek via a 45” pipe until it reaches the Ohio River, where it crosses to the Woods Run WWTP via a 54” pipe. This infrastructure is in the Chartiers Creek Planning Basin. The 3RWW Network Trace Mapping is attached.

Existing flow data was obtained via 30-day flow monitoring performed by Drnach Environmental. The data collection was commenced July 28, 2021 and was completed August 26, 2021. Data was collected from the manhole requested by PWSA as MH071F020. This manhole was determined by PWSA to be at the most hydraulically restricted downstream pipe. The slope of the pipe was determined and provided by PWSA as S=0.0033.



Common Ground

place-based design that builds community

Here is a table specifying the population to be served and sewage flows in GPD, illustrating how these figures were calculated:

Chartiers Park		Proposed Flows	
Column A: Establishment Type	Column B: Sanitary Sewage Flow Estimates PA Code Title 25 Chapter 73 Paragraph 73.17	Column C: Proposed No. of Establishment Types	Column D: Total Floor Flow (gal/day) Col B x Col C
Restaurants (kitchen & toilet waste, single-service utensils/person)	8.5 GPD	124	1,054
Spray Park - 138 GPM, 10 hours per day, 90-day season	82,800 GPD	1	82,800
Proposed Peak Daily Flow:			83,854
Less Existing Flow of 527 GPD			-527
New Peak Daily Flow			83,327

Chartiers Park		Existing Flow	
Column A: Establishment Type	Column B: Sanitary Sewage Flow Estimates PA Code Title 25 Chapter 73 Paragraph 73.17	Column C: Existing No. of Establishment Types	Column D: Total Floor Flow (gal/day) Col B x Col C
Restaurants (kitchen & toilet waste, single-service utensils/person)	8.5 GPD	62	527

Existing Peak Daily Flow GPD:	527
--------------------------------------	------------

The location of discharge has been described above. We have not participated in any ACT 537 Planning for this parcel.

November 19, 2021

Carma Lamm
Common Ground
10500 Old Babcock Boulevard
Gibsonia, PA 15044

Subject: Sewage Facilities Planning Module (SFPM)
Approval for Collection System Flows
Project Name: 3793 Chartiers Ave Project
PWSA Project No.: 20014.49

Dear Carma:

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 x5370 or ZRinker@pgh2o.com.

Sincerely,

Zachary Rinker, P.E.
Associate Project Manager

Enclosures

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

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

From: Zach Rinker

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

Date: November 15, 2021

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

Chapter 94 Consistency Determination

Project Name: 3793 Chartiers Avenue Project

Project Address: 3793 Chartiers Avenue

PWSA Project Number: 20014.49

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

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

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

Enclosures

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

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

1. Project Flows 83,327 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)		<i>Based on 30-Day Flow Data</i> b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	2085416	7298955	17414	21980	31592	110572
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.

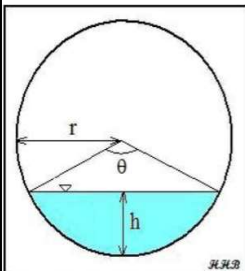
- b. Collection System
 Name of Agency, Authority, Municipality PWSA
 Name of Responsible Agent Barry King, PE, PMP
 Agent Signature  Date November 18, 2021

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

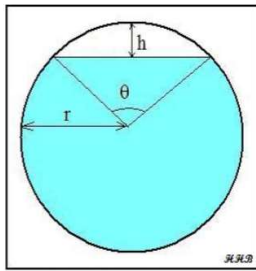
PROJECT NAME: 3793 Chartiers Avenue
PWSA PROJECT NUMBER: 20014.49
PWSA REVIEWER: Zach Rinker
DATE: September 29, 2021

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

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

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

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

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

OR

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

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

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q _p	83,327	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.0033	ft/ft
h	0.000	ft
D	2.00	ft
P.F.	3.5	unitless

Section C: Calculations for Design and/or Permitted Capacities

Variable	Description	Definition
----------	-------------	------------

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

Design Capacity, Average		
Variable	Value	Unit
$Q_{d, avg}$	2,085,416	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	2.000	ft
r	1.000	ft
A	3.142	ft ²
P	6.283	ft
R	0.500	ft
$Q_{d, peak}$	11	cfs
$Q_{d, peak}$	7,298,955	gpd

Section D: Calculations for Present Flows

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

Present Flows, Average		
Variable	Value	Unit
$Q_{ex, avg}$	17,414	gpd

Present Flows, Peak		
Variable	Value	Unit
$Q_{ex, peak}$	21,980	gpd

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

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

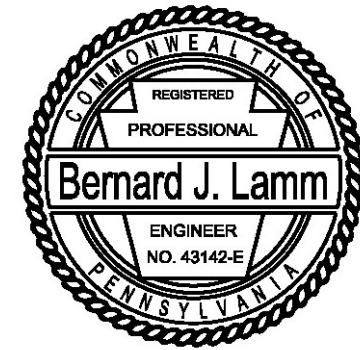
Projected Flow Calculations		
Variable	Value	Unit
$Q_{proj, avg}$	31,592	gpd
$Q_{proj, peak}$	110,572	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
$Q_{d, avg}$	2,085,416	2,085,416	0	0%
$Q_{d, peak}$	7,298,955	7,298,955	0	0%
$Q_{ex, avg}$	17,414	17,414	0	0%
$Q_{ex, peak}$	21,980	21,980	0	0%
$Q_{proj, avg}$	31,592	31,592	0	0%
$Q_{proj, peak}$	110,572	110,572	0	0%

Chartiers Playground and New Spray Park ~ Flow Calculations - GPD

Peak Design Capacity - n=0.015; S=0.0033 ft/ft; D=2 ft	AVG Design Capacity: 7,298,955/3.5	Present Average Flow - Data from 30-Day Flow Monitoring (See Flow Data - Attached)	Present Peak Flow - Data from 30-Day Flow Monitoring (See Flow Data - Attached)	Projected Average Flow in Five Years: Projected Peak Flow in 5 Years ÷ Peaking Factor (3.5)	Projected Peak Flow in Five Years: (Present Peak Flow + Project Flow)X 1.05
7,298,955	2,085,416	17,414	21,980	31,592	110,572



A handwritten signature in blue ink that reads "Bernard J. Lamm".

10-15-2021

From: Flanagan, Thomas thflanagan@pa.gov
Subject: RE: [External] Preliminary Determination on the Need for Sewage Planning - 3793 Chartiers Ave
Date: July 19, 2021 at 2:25 PM
To: Zach Rinker, P.E. ZRinker@pgh2o.com
Cc: Developer_Tap_in_Permits.20014.49_3793_Chartiers_Avenue@docs.e-builder.net, CARMA LAMM carma@discovercommonground.com, Robert Herring, PE, PMP RHerring@pgh2o.com, Barry King, PE, PMP BKing@pgh2o.com, Kate Mechler, PE KMechler@pgh2o.com



Based on the information provided, the Department has determined this project requires sewage planning.

From: Zach Rinker, P.E. <ZRinker@pgh2o.com>
Sent: Friday, July 9, 2021 9:13 AM
To: Flanagan, Thomas <thflanagan@pa.gov>
Cc: Developer_Tap_in_Permits.20014.49_3793_Chartiers_Avenue@docs.e-builder.net; CARMA LAMM <carma@discovercommonground.com>; Robert Herring, PE, PMP <RHerring@pgh2o.com>; Barry King, PE, PMP <BKing@pgh2o.com>; Kate Mechler, PE <KMechler@pgh2o.com>
Subject: [External] Preliminary Determination on the Need for Sewage Planning - 3793 Chartiers Ave

***ATTENTION:** This email message is from an external sender. Do not open links or attachments from unknown sources. To report suspicious email, forward the message as an attachment to CWOPA_SPAM@pa.gov.*

Tom,

Please refer to the enclosed Preliminary Determination on the Need for Sewage Planning for the 3793 Chartiers Avenue Project.

Should you have any questions or concerns, please do not hesitate to contact us directly.

Thanks,



Zach Rinker, P.E.
Associate Project Manager
Ext: 5370

Pittsburgh Water and Sewer Authority
Pittsburgh, PA 15222

<https://pgh2o.com>



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attachments by deleting them from your system. Thank you for your cooperation.

July 21, 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:	3793 Chartiers Ave
Project Address:	3793 Chartiers Avenue Pittsburgh, PA 15204
Net Flow, gpd:	83,327
EDU's, 400gpd/EDU:	208

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 x5370 or zrinker@pgh2o.com.

Sincerely,

Zachary Rinker, P.E.
Associate Project Manager

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

July 9, 2021

Carma Lamm
Common Ground
10500 Old Babcock Boulevard
Gibsonia, PA 15044

Subject: Water and Sewer (W&S) Use Approval
Project Name: 3793 Chartiers Ave Project
PWSA Project No.: 20014.49

Dear Carma:

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

Type of Flow	Sanitary, gpd	Water, gpd
<i>Project Flow</i>	83,854	0
<i>Existing Flow</i>	527	0
<i>Net Flow</i>	83,327	0

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 \leq 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 x5370 or zrinker@pgh2o.com.

Sincerely,

Zach Rinker, PE
Associate Project Manager

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: Chartiers Playground & Spray Park: Design & Renovation

Address: 3793 Chartiers Avenue, Pittsburgh, PA 15204

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: City of Pittsburgh - Dept of Public Works

Address: 414 Grant St, Room 200 - Pittsburgh, PA 15219-2409

Contact Name: Andrea Ketzel - Senior Project Landscape Architect

Email: andrea.ketzel@pittsburghpa.gov

Phone Number: 412-255-2370

Consultant

Firm Name: Common Ground

Address: 10500 Old Babcock Boulevard, Gibsonia, PA 15044

Contact Name: Bernard J. Lamm, PE

Email: bernie@discovercommonground.com

Phone Number: 724-799-6060


Flow Data

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	83,854	
Existing Flow	527	
Net Flow	83,327	

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: Bernard J. Lamm, PE

Signature: 

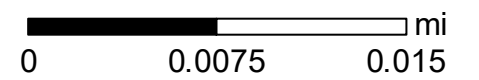
Date: June 3, 2021

Flow Monitoring_GIS_3793 Chartiers Ave



Legend

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



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

Date: 7/9/2021

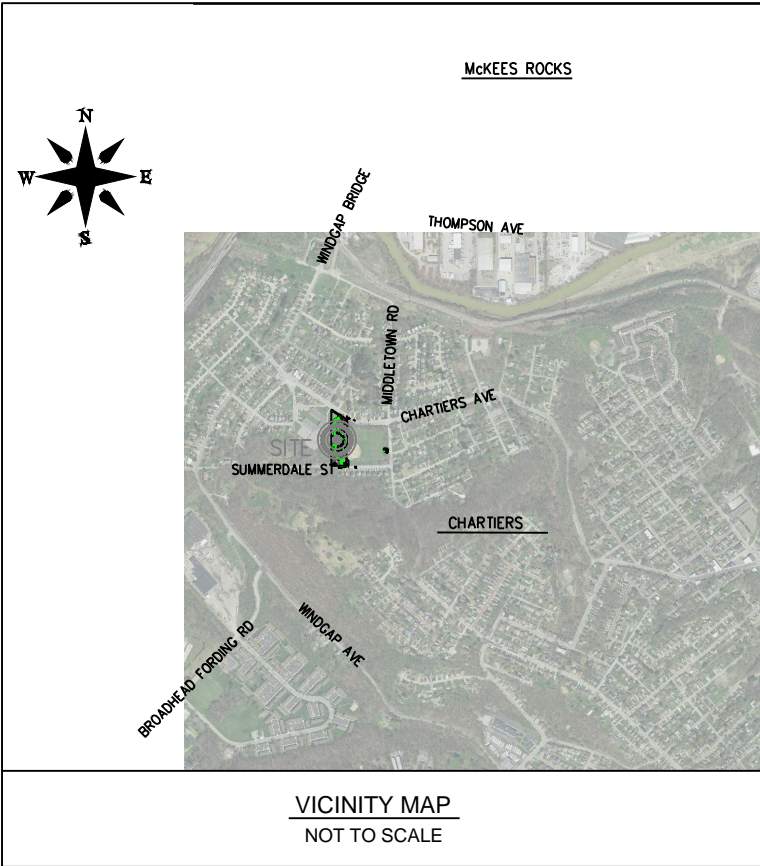
Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	3793 Chartiers Avenue
PWSA PROJECT NUMBER:	20014.49
PWSA REVIEWER:	Zach Rinker
DATE:	July 8, 2021

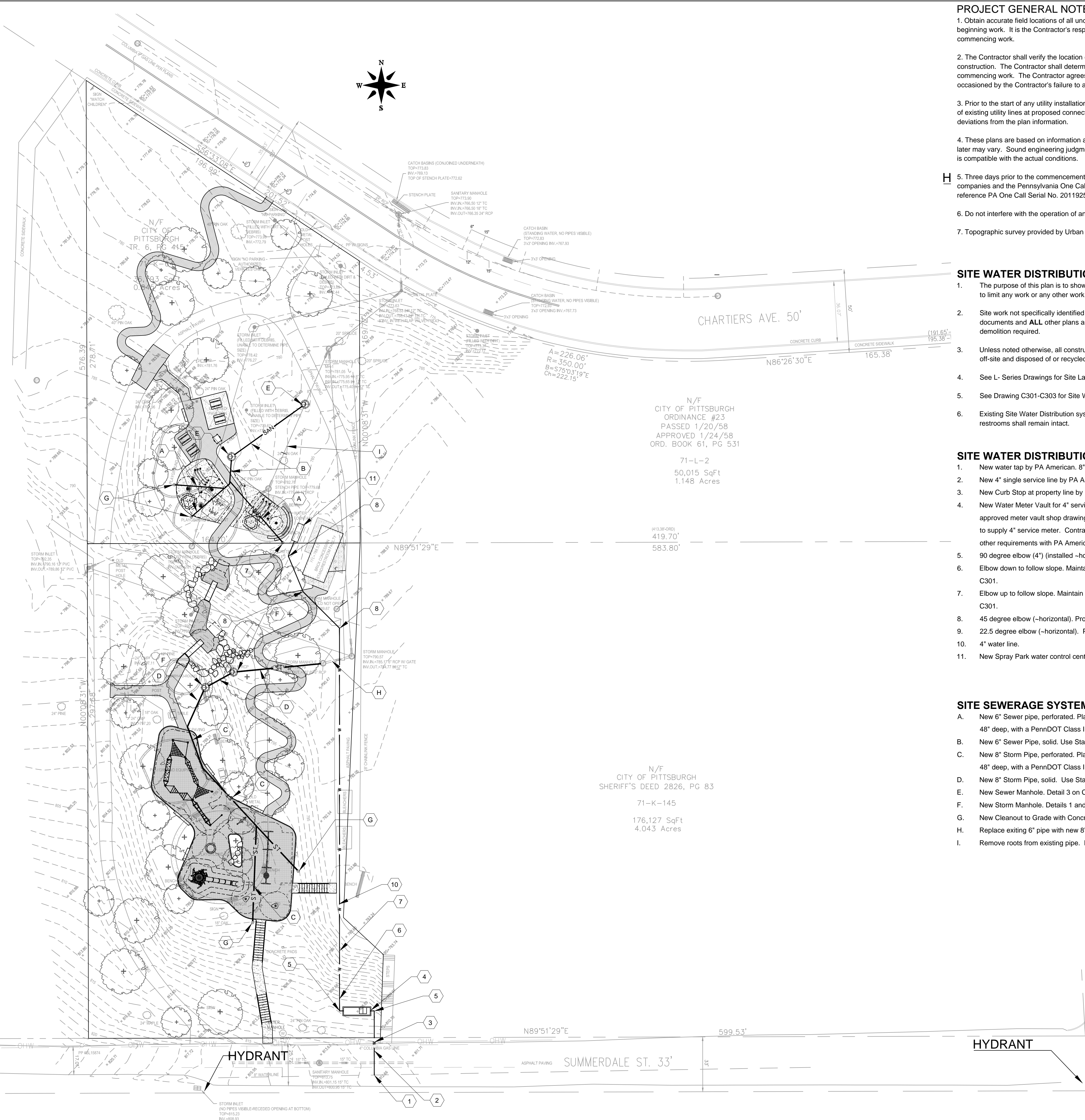
LEGEND:

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
MH071F027	MH071F020	765.17	764.55	187.23	24	VCP	0.015	3.14	6.283	0.33%	7,298,955
MH071F020	JCT071F001	765.20	762.38	24.59	24	VCP	0.015	3.14	6.283	11.47%	43,027,787
JCT071F001	MH071G008	762.38	759.46	329.02	24	unk	0.016	3.14	6.283	0.89%	11,213,924
MH071G008	MH071G007	759.46	748.99	523.88	30		0.016	4.91	7.854	2.00%	30,543,352
MH071G007	JCT071G005	748.99	746.10	144.43	30		0.016	4.91	7.854	2.00%	30,543,352
JCT071G005	MH071G038	746.10	743.87	111.39	24		0.016	3.14	6.283	2.00%	16,845,736
MH071G038	MH071G003	743.87	743.42	22.51	24		0.016	3.14	6.283	2.00%	16,845,736
MH071G003	MH071C002	743.42	708.94	354.12	24		0.016	3.14	6.283	9.74%	37,167,706
MH071C002	ADC071CC12	708.94	703.93	250.63	24	RCP	0.013	3.14	6.283	2.00%	20,733,214



VICINITY MAP
NOT TO SCALE



N/F
CITY OF PITTSBURGH
SHERIFF'S DEED 2826, PG. 83
71-K-145
176,127 SqFt
4.043 Acres

PROJECT GENERAL NOTES:

1. Obtain accurate field locations of all underground and aerial utilities from the utility companies prior to beginning work. It is the Contractor's responsibility to verify all Utility companies' and related facilities prior to commencing work.
2. The Contractor shall verify the location of existing utilities and services within the area of proposed construction. The Contractor shall determine the extent and location and depth of all existing utilities prior to commencing work. The Contractor agrees to be fully responsible for any and all damages which might be occasioned by the Contractor's failure to accurately locate and preserve any and all underground utilities.
3. Prior to the start of any utility installation, Contractors are to accurately field measure locations and elevations of existing utility lines at proposed connection. Contractors are to immediately notify the Engineer of any deviations from the plan information.
4. These plans are based on information available at the time they were prepared. Actual conditions determined later may vary. Sound engineering judgment should be exercised during construction to assure that the design is compatible with the actual conditions.
5. Three days prior to the commencement of any construction activity, the Contractor shall notify all utility companies and the Pennsylvania One Call System (1-800-242-1776 or 811) of the pending construction. Please reference PA One Call Serial No. 201192560582-000.
6. Do not interfere with the operation of any fire hydrants, fire call box, or police call box.
7. Topographic survey provided by Urban Terrain.

SITE WATER DISTRIBUTION PLAN GENERAL NOTES:

1. The purpose of this plan is to show in general where site water distribution work occurs. It is not intended to limit any work or any other work required for the proper execution of the contract documents.
2. Site work not specifically identified on this plan may be required for the proper execution of the contract documents and ALL other plans and specifications should be consulted to determine the extent of demolition required.
3. Unless noted otherwise, all construction waste material and equipment to be removed shall be hauled off-site and disposed of or recycled in a legal manner.
4. See L-Series Drawings for Site Layout, Grading, and Details.
5. See Drawing C301-C303 for Site Water Distribution and Sewer System Details.
6. Existing Site Water Distribution system with 1" meter, serving the existing concession stand and restrooms shall remain intact.

SITE WATER DISTRIBUTION PLAN KEYNOTES: (Details on C301 & C302)

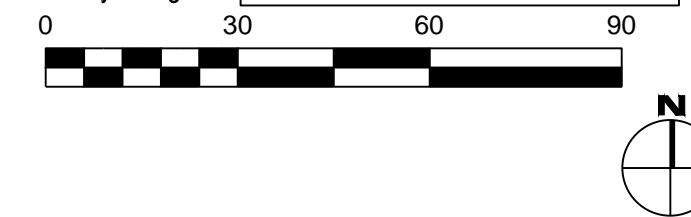
1. New water tap by PA American. 8" to 4".
2. New 4" single service line by PA American. Coordinate scope of Road repair with PA American.
3. New Curb Stop at property line by PA American.
4. New Water Meter Vault for 4" service and meter. See PA American sample meter vault drawings and see approved meter vault shop drawings, for interior piping and fittings and pit doors and dimensions PA American to supply 4" service meter. Contractor to provide all else, including daylight drain to grade. Coordinate all other requirements with PA American such as power if requested by PA American.
5. 90 degree elbow (4") (installed -horizontal). Provide thrust blocks per details on C301.
6. Elbow down to follow slope. Maintain a minimum 4' depth on water line. Provide thrust blocks per details on C301.
7. Elbow up to follow slope. Maintain a minimum 4' depth on water line. Provide thrust blocks per details on C301.
8. 45 degree elbow (-horizontal). Provide thrust blocks per details on C301.
9. 22.5 degree elbow (-horizontal). Provide thrust blocks per details on C301.
10. 4" water line.
11. New Spray Park water control center. See Drawings by Aquatix.

SITE SEWERAGE SYSTEM PLAN KEYNOTES: (Details on C401)

- A. New 6" Sewer pipe, perforated. Placed in aggregate (AASHTO #57) filled trench. Trench shall be 24" wide by 48" deep, with a PennDOT Class I Geotextile fabric on all sides and top and bottom.
- B. New 6" Sewer Pipe, solid. Use Standard Pipe Trench Detail 4 on C303.
- C. New 8" Storm Pipe, perforated. Placed in aggregate (AASHTO #57) filled trench. Trench shall be 24" wide by 48" deep, with a PennDOT Class I Geotextile fabric on all sides and top and bottom.
- D. New 8" Storm Pipe, solid. Use Standard Pipe Trench Detail 4 on C303.
- E. New Sewer Manhole. Detail 3 on C303.
- F. New Storm Manhole. Details 1 and 2 on C303.
- G. New Cleanout to Grade with Concrete Collar. Detail 5 on C303.
- H. Replace exiting 6" pipe with new 8" pipe. See Drawing C101.
- I. Remove roots from existing pipe. Located approximately 66' from Existing Manhole MH-1. See Drawing C101.



LEGEND	
WV	WATER VALVE
GV	GAS VALVE
UM	UTILITY MANHOLE
UF	UTILITY POLE
SI	STORM INLET
SM	STORM MANHOLE
SMH	SANITARY MANHOLE
S	SIGN
SPOT ELEVATION	
---	UNDERGROUND STORM LINE
---	UNDERGROUND SEWER LINE
---	UNDERGROUND GAS LINE
---	UNDERGROUND WATER LINE
---	OVERHEAD UTILITIES
---	1" CONTOURS
---	5" INDEX CONTOURS



DEPARTMENT OF PUBLIC WORKS
414 GRANT ST
PITTSBURGH, PA 15219
PHONE: 412-255-8850

LANDSCAPE ARCHITECT
STUDIO | BRYAN HANES
340 N. 12TH STREET, SUITE 415
PHILADELPHIA, PA 19107
PHONE: 215-923-2858

CIVIL ENGINEER
COMMON GROUND
10900 OLD BABCOCK BOULEVARD
GIBSONIA, PA 15044
PHONE: 724-799-6060

CHARTIERS
PLAYGROUND &
SPRAY PARK
RENOVATIONS

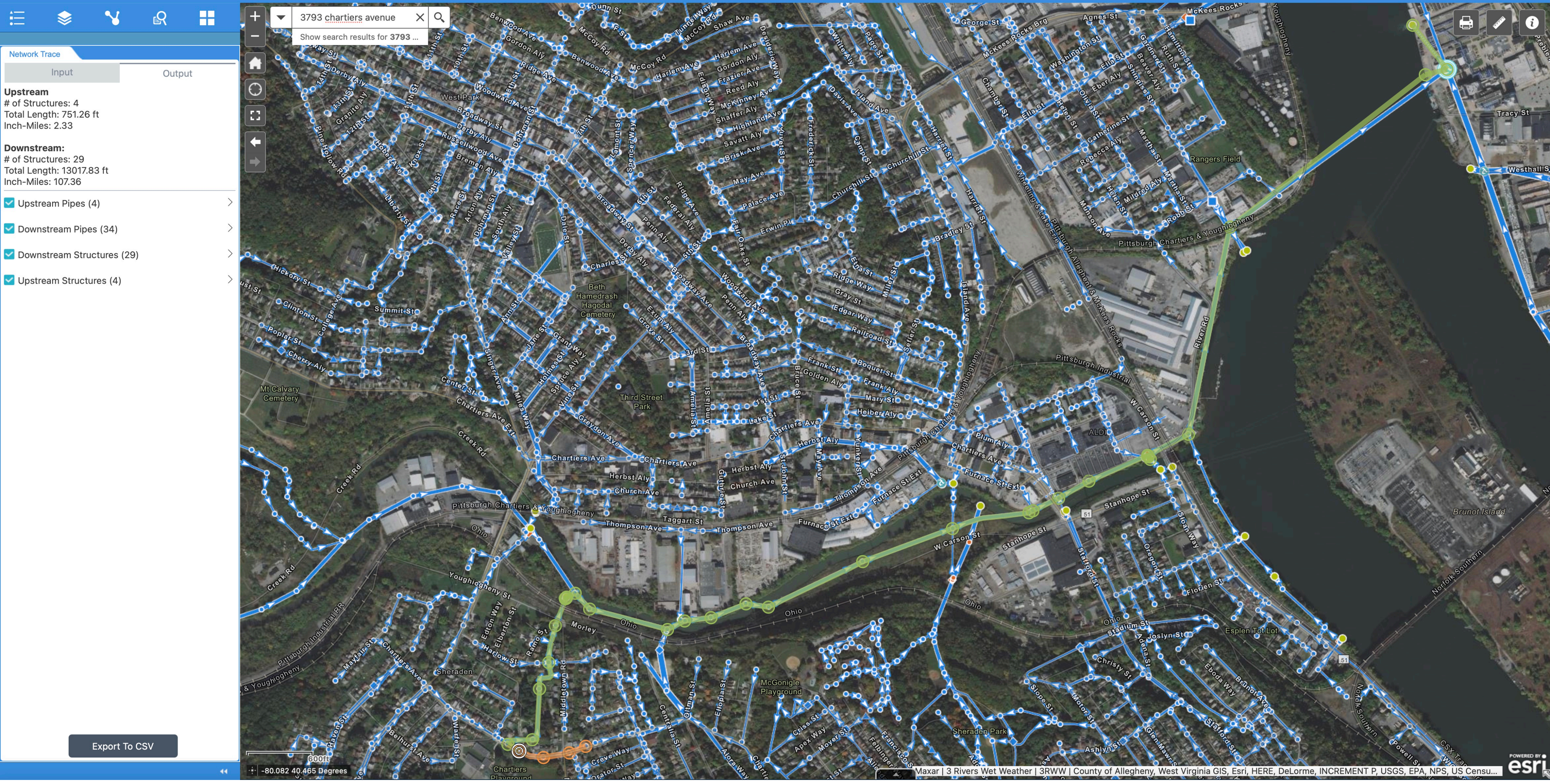
3793 CHARTIERS AVENUE
PITTSBURGH, PA 15204

SCALE:
DRAWN BY: BJL
CHECKED BY: BJL
CAD FILE:
DATE: 03/19/2021
PROJECT NO.: 2010 (SBH)

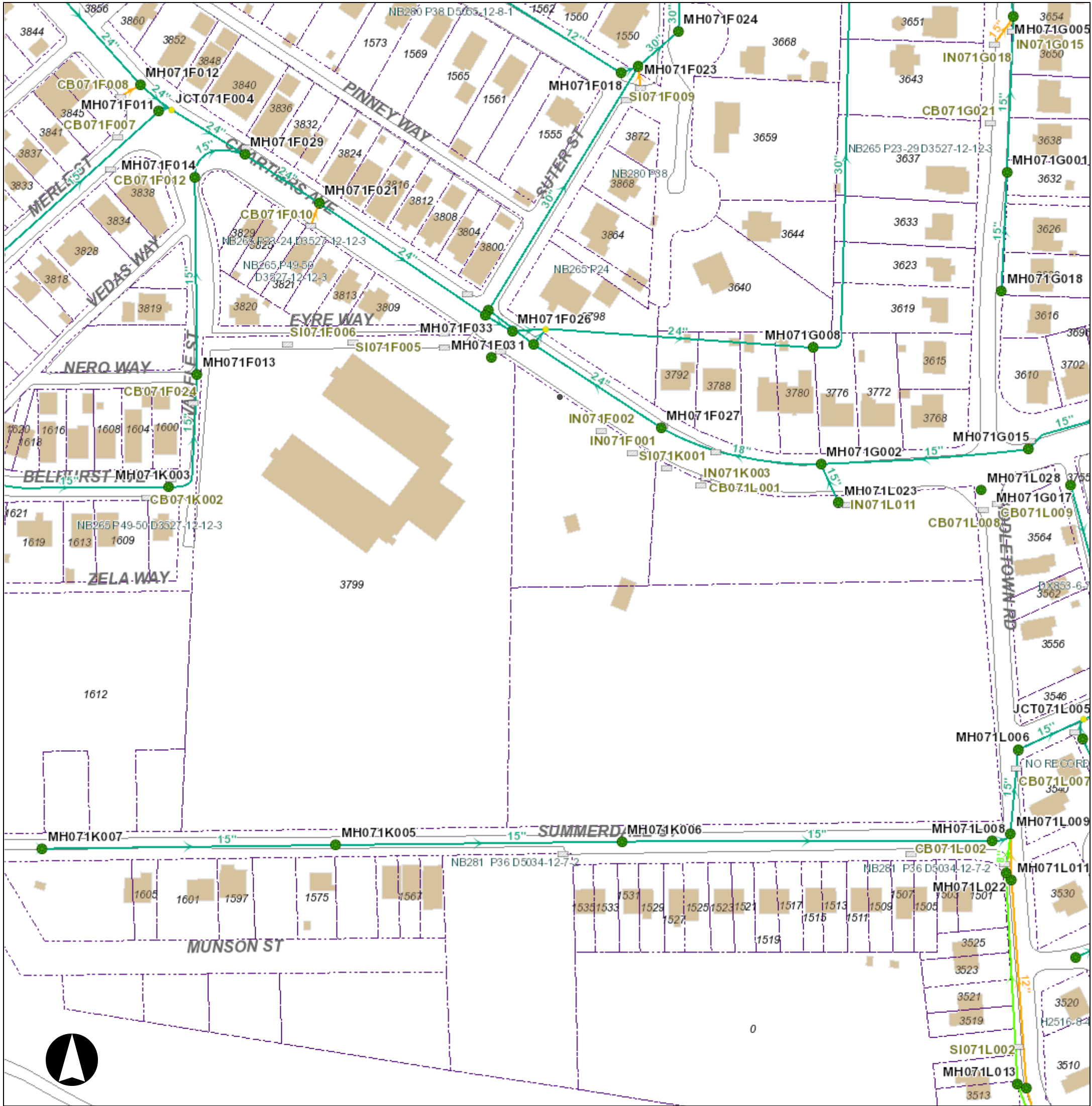
REVISIONS	
DATE	DESCRIPTION
03/19/2021	100% SCHEMATIC DESIGN
05/21/2021	100% DESIGN DEVELOPMENT
07/30/2021	CONSTRUCTION DOCUMENTS

SITE WATER
DISTRIBUTION &
SEWER SYSTEM PLAN

C300

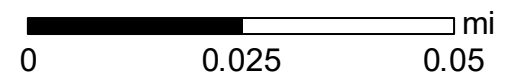


SEWER 3793 CHARTIERS AVE



Legend

	SEWER	



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

Date: 1/21/2021



Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

December 3, 2021

Carma Lamm
Common Ground
10500 Old Babcock Boulevard
Gibsonia PA 15044

RE: ER Project # 2021PR07304.001, Chartiers Playground Renovation and Spray Park ,
Department of Environmental Protection, Pittsburgh City, Allegheny County

Dear Carma Lamm:

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Above Ground Resources

No Above Ground Concerns - Environmental Review - No Effect - Above Ground

Based on the information received and available within our files, it is our opinion that the proposed project will have No Effect on above ground historic properties, including historic buildings, districts, structures, and/or objects, should they exist. Should the scope of the project change and/or should you be made aware of historic property concerns, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning above ground resources, please contact Sara-Ladd Clark at saralclark@pa.gov.

Archaeological Resources

No Archaeological Concerns - Environmental Review - No Effect - Archaeological

Based on the information received and available in our files, in our opinion, the proposed project should have No Effect on archaeological resources. Our analysis indicates that archaeological resources are potentially located in this project area. Should the scope of the project be amended to include additional ground disturbing activity and/or should you be made aware of historic property concerns, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning archaeological resources, please contact Sara-Ladd Clark at saralclark@pa.gov.

Sincerely,

A handwritten signature in black ink that reads "Emma Diehl". The signature is written in a cursive style with a long horizontal flourish at the end.

Emma Diehl
Environmental Review Division Manager

