

Resolution No. \_\_\_\_\_

CITY OF PITTSBURGH

Introduced: Bill No:

Committee: Intergovernmental Affairs Committee Status:

Sponsored by:

Resolution adopting Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan for the Paulson Spray Park project which will be located along the south side of Paulson Avenue across from intersection with Dunmore Street, at 1300 Paulson Avenue, Pittsburgh 15206 in the 12th Ward.

**WHEREAS**, SECTION 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the "Pennsylvania Sewage Facilities Act," as amended, and the rules and regulations of the Pennsylvania Department of Environmental Protection (the "Department") adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires the City of Pittsburgh to adopt an Official Sewage Facilities Plan (the "Official Plan") providing for sewage services adequate to prevent contamination of waters of the Commonwealth and/or environmental health hazards from sewage wastes, and to revise said plan whenever it is necessary to determine whether a proposed method of sewage disposal for a new development conforms to a comprehensive program of pollution control and water quality management; and

**WHEREAS**, the City of Pittsburgh has proposed the removal of the existing pool, replacing it with the Paulson Spray Park facility, located along the south side of Paulson Avenue, across from the intersection with Dunmore Street, City of Pittsburgh, 15206, Allegheny County, Lot & Block # 124-H-184, in the 12<sup>th</sup> Ward of the City of Pittsburgh and described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by sewer tap-ins to the City of Pittsburgh sewage systems; and

**WHEREAS**, the Pittsburgh Water Sewer Authority, the Allegheny County Sanitary Authority, and the City of Pittsburgh Planning Department have reviewed the respective components of the attached Planning Module in regard to each authority/department's expertise and have approved the respective components as explained in the attached Planning Module.

**WHEREAS**, based upon the approval of the above authorities and departments, the City of Pittsburgh finds that the project described in the attached Planning Module for land development conforms to applicable zoning, subdivision, other municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

**BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PITTSBURGH AS FOLLOWS:**

**SECTION 1.** The City of Pittsburgh hereby adopts and submits to the Department of

Environmental Protection for its approval as a Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan, the above-referenced Planning Module for land development, which is attached hereto as **Exhibit A**.

Said Planning Module includes the proposed Paulson Spray Park project which will be located along the south side of Paulson Avenue across from intersection with Dunmore Street, at 1300 Paulson Avenue, Pittsburgh, 15206, Allegheny County, Lot & Block 124-H-184, in the 12th Ward of the City of Pittsburgh.

Finally, that any Ordinance or Resolution or part thereof conflicting with the provisions of this Resolution, is hereby repealed so far as the same affects this Resolution.

**Effective Date:** \_\_\_\_\_

**Passed in Council:** \_\_\_\_\_

**Approved:** \_\_\_\_\_

**Recorded in R.B. \_\_\_ page \_\_\_\_\_ in City Clerk's Office.**

## Calculation Sheet

The City of Pittsburgh is seeking to construct a spray park facility within the limits of the existing Paulson Pool, located along south side of Paulson Avenue across from intersection with Dunmore Street in the 12<sup>th</sup> Ward of the City of Pittsburgh.

The existing site is a swimming pool. The spray park will replace the swimming pool. The spray park will have various automated features which turn off and on through a programmed cycle. The cycle is controlled by a computer of which activates a series of features in pattern.

The spray features are manufactured by Water Odyssey and are the new Low Flow units. There are 13 features proposed with a GPM of 94.

Feature	Quantity	GPM	GPM total
Water Bucket Duo	1	20	20
Water Rainbow Medium	1	10	10
Palm Tree Shower	1	5	5
Water Tent	1	15	15
Urbular II	1	10	10
Junior Geyser	2	10	20
Crown Jet	2	5	10
Stream Jet	2	1	2
Arch Jet	2	1	2
<b>Total Features</b>	<b>13</b>		<b>94 GPM</b>

All features cannot be run at the same time and allow for water flow to properly function the feature. It is standard for up to half the features to flow at a time during a cycle. Park primary use is a 5 hour window. Therefore 94 GPM is not a true rate.

The program is for a 3 minute cycle. The programming will give an average of 7 cycles in an hour. The parks peak is 5 hours but open for a maximum use of 10 hours.  
 $94 \times 3 \times 7 = 1,974 \text{ GPM} \times 10 \text{ hours} = 19,740 \text{ GPD}$

Allowing for overspray, evaporation, and loss from people this can be an assumed 30 percent loss, the facility will utilize = **13,818 GPD**

*Note: Not deducted is the shut off of spray features during a cycle. Not all features can flow at once and provide the design intent of the feature.*

## Credit for Existing Pool

From the size of the pool and depth it was assumed the

+/- 4,593 square foot area pool

2.5' foot depth to 12' depth

2.5' minimum depth

Transition = 2.5 feet to 12 feet

Estimated Volume = 22,603 cf

Gallons to Cubic Feet

169,071 gallons used by pool for filling

168,071 Gallons / 90 Days = 1,868

Loss due to evaporation

$G=OA(xs-x)/4,593$  or 1 per week standard

4,593 surface area x 0.0833 (1 inch) = +/-383 cf water loss

or 2,865 gallons or 410 gallons per day.

Loss due to splash out 1.0 inch of water per surface area = +/-383 cf

or +/-2,865 gallons

Backwash minimum daily = 1,000 gallons.

*This does not include leaks, more than one backwash, and emptying of pool for end of season.*

So

$$1,868 + 383 + 2,865 + 1,000 = 6,116 \text{ GPD}$$

Thus

$$13,818 \text{ GPD} - 6,116 \text{ GPD (Credit)} = 7,702 \text{ GPD}$$

OR

$$7,702 \text{ GPD} / 400 \text{ GPD} = 19.26 \text{ EDU's}$$

**City of Pittsburgh**

**Sewer Facilities Planning Module Questionnaire**

- 1) What was the previous permitted use for this property? Neighborhood swimming pool
- 2) What is the proposed use for the property? Neighborhood spray park facility
- 3) How is green stormwater mitigation being integrated into the proposed project? Project creates a reduction in impervious surface area which will be under 10,000 sq. ft.
- 4) Will the development result in a net positive or net negative change in stormwater flow?  
Project will create a negative change in stormwater flow



## 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)

- Project Name Paulson Spray Park
- Brief Project Description Installation of spray park features for recreational value to young children. This will replace the existing city pool at that site and will generate 7,702 GPD or 19.26 EDU's of sewage.

#### 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
Robinson	George		Mr.	Manager of Development Services
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
Pittsburgh Water and Sewer Authority	Penn Liberty Plaza I		1200 Penn Avenue	
Address Last Line -- City	State	ZIP+4		
Pittsburgh	Pa	15222		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		

412-255-8800 Ext 8975                      412-393-0520                      grobinson@pgh2o.com

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

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

Paulson Spray Park

Site Location Line 1 South side of Paulson Avenue, across from intersection with Dunmore Street (part of Paulson Park)	Site Location Line 2
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Site Location Last Line -- City Pittsburgh	State Pa	ZIP+4 15206	Latitude 40 28 7.35	Longitude 79 54 3.35
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Detailed Written Directions to Site Follow Route 28 North to Highland Park Bridge, cross bridge using left lane, merge onto Allegheny River Boulevard, turn right onto Washington Boulevard, then make left onto Highland Drive up hill, then turn right onto Lemington, follow and make right turn onto Paulson Avenue (site across from intersection with Dunmore).

Description of Site Existing City Park with closed concrete pool, which is being removed and replaced with spray park features.

**Site Contact (Developer/Owner)**

Last Name Ishman	First Name Timothy	MI	Suffix Mr.	Phone 412-255-2362	Ext.
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Site Contact Title                      Site Contact Firm (if none, leave blank)

City of Pittsburgh Director of Parks and Recreation                      City of Pittsburgh

FAX                      Email

Mailing Address Line 1                      Mailing Address Line 2

414 Grant Street                      Fourth Floor

Mailing Address Last Line -- City Pittsburgh	State Pa	ZIP+4 15219
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**D. PROJECT CONSULTANT INFORMATION** (See Section D of instructions)

Last Name Buerkle	First Name John	MI O	Suffix Mr.
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Title                      Consulting Firm Name

Vice President                      Pashek Associates

Mailing Address Line 1                      Mailing Address Line 2

Pashek Associates                      619 East Ohio Street

Address Last Line -- City Pittsburgh	State Pa	ZIP+4 15212	Country USA
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Email jbuerkle@pashekla.com	Area Code + Phone 412-321-6382	Ext.	Area Code + FAX
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**E. AVAILABILITY OF DRINKING WATER SUPPLY**

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

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

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

Name of water company: Pittsburgh Water and Sewer Authority

**F. PROJECT NARRATIVE** (See Section F of instructions)

- A narrative has been prepared as described in Section F of the instructions and is attached.

**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 19.26

Connections Existing \_\_\_\_\_

Name of:

existing collection or conveyance system Paulson Avenue

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny River

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 0025984

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

Location of discharge point for a new facility. Latitude 402832    Longitude 800244

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 Michael D. Lichte, P.E.

Agent Signature     Date 2/23/17

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

**4. WETLAND PROTECTION**

YES NO

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

**5. PRIME AGRICULTURAL LAND PROTECTION**

YES NO

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

**6. HISTORIC PRESERVATION ACT**

YES NO

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

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

**7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES**

Check one:

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

Applicant or Consultant Initials \_\_\_\_\_

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

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

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

**1. Waters designated for Special Protection**

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

**2. Pennsylvania Waters Designated As Impaired**

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

**3. Interstate and International Waters**

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

**4. Tributaries To The Chesapeake Bay**

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

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

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

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

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

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

1. Project Flows 7,702 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
<b>Collection</b>	1353000	4736000	13000	45500	26818	65240
<b>Conveyance</b>						
<b>Treatment</b>						

3. Collection and Conveyance Facilities

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

YES NO

- a.  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 Pittsburgh Water and Sewer Authority

Name of Responsible Agent George Robinson

Agent Signature  Date 2/7/17

**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 7,702 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	1353000	4736000	13000	45500	26818	65240
Conveyance	-	17.2 MGD	7.06 MGD	7.79 MGD	7.14 MGD	7.88 MGD
Treatment	-	250 MGD	-	250 MGD	-	250 MGD

3. Collection and Conveyance Facilities

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

YES NO

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

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

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

b. Collection System

Name of Agency, Authority, Municipality Pittsburgh Water and Sewer Authority

Name of Responsible Agent George Robinson

Agent Signature  Date 2/7/17

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Michael D. Lichte, P.E.

Agent Signature 

Date 2/23/17

4. Treatment Facility

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

YES NO ALCOSAN IS UNDER A CD TO ADDRESS WET WEATHER OVERFLOWS.

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

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

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

b. Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Michael D. Lichte, P.E.

Agent Signature 

Date 2/23/17

**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)

**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

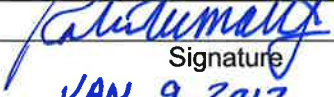
1.   Does the project propose the construction of a sewage treatment facility ?  
2.   Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?  
3.   Will the project result in a public expenditure for the sewage facilities portion of the project 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.

Robert W. Matt, Jr.	
Name (Print)	Signature
Project Manager	JAN 9, 2017
Title	Date
100 McMorris Road	412-921-4030 Ext. 127
Address	Telephone Number

**R. REVIEW FEE** (See Section R of instructions)

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

- I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.
- I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$ 963.00 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for \_\_\_\_\_ County, Pennsylvania

Deed Volume \_\_\_\_\_ Book Number \_\_\_\_\_

Page Number \_\_\_\_\_ Date Recorded \_\_\_\_\_



**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.

# 19.26 Lots (or EDUs) X \$50.00 = \$ 963.00 City will ask for waiver

The fee is based upon:

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

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

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

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

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

# \_\_\_\_\_ Lots (or EDUs) X \$35.00 = \$ \_\_\_\_\_

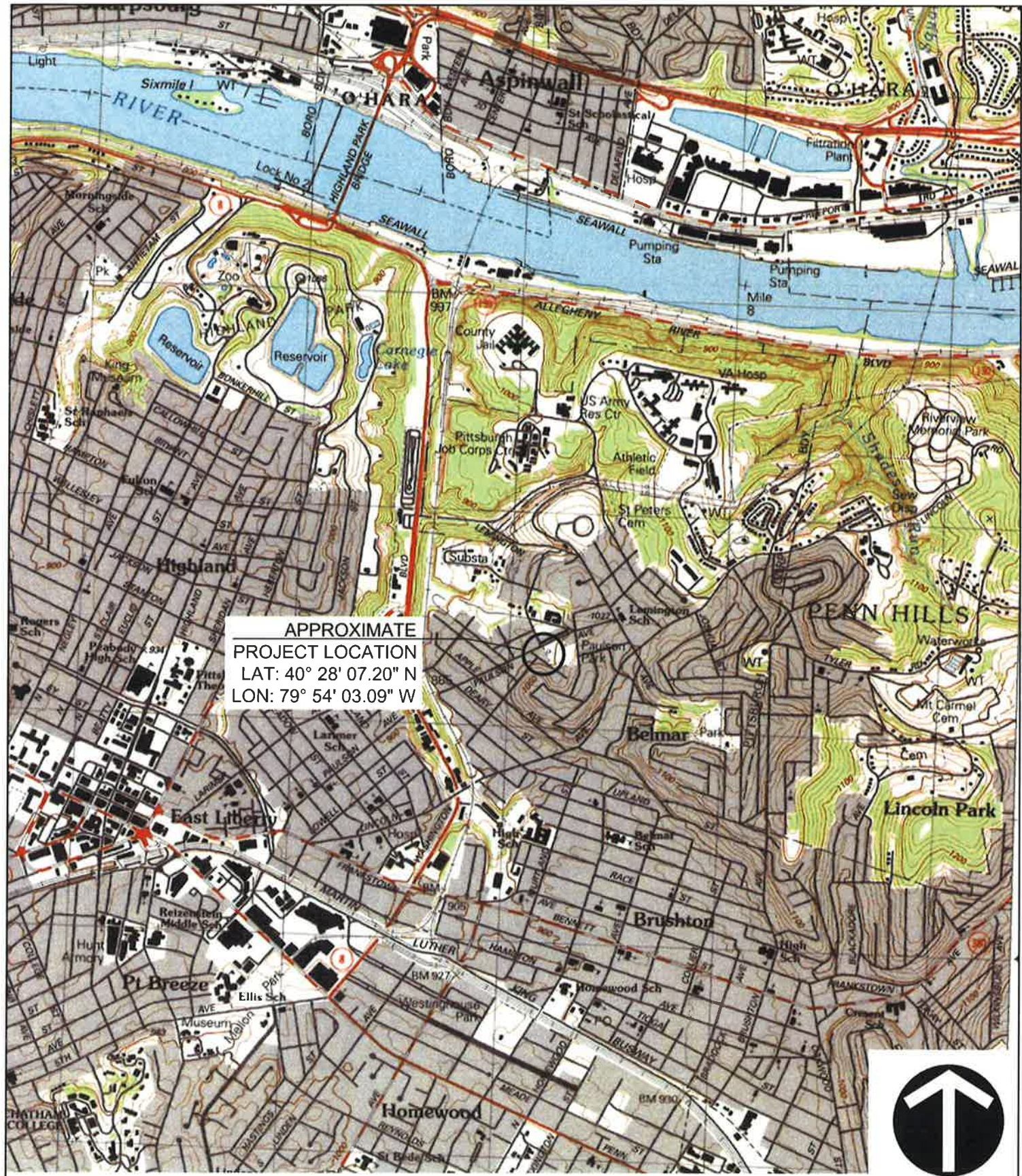
to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

The fee is based upon:

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

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

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



APPROXIMATE  
PROJECT LOCATION  
LAT: 40° 28' 07.20" N  
LON: 79° 54' 03.09" W



NORTH

**SITE LOCATION MAP - USGS PITTSBURGH EAST QUAD**

SITE LOCATION MAP  
Project Number: C-13409  
Drawing Scale: 1" = 200'  
Date Issued: 02/11/2016  
Index Number:  
Drawn By: CBZ  
Checked By: JCM  
Project Manager: JCM  
**USGS**

**PAULSON SPRAY PARK**  
PAULSON AVENUE AT BRAINARD STREET  
13TH WARD OF THE CITY OF PITTSBURGH, PA  
PREPARED FOR:

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

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**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 existing local municipal planning agency for their comments.

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


Project Name

Paulson Spray Park

**SECTION B. REVIEW SCHEDULE** (See Section B of instructions)
1. Date plan received by municipal planning agency. 3-24-172. Date review completed by agency. 3-24-17
**SECTION C. AGENCY REVIEW** (See Section C of instructions)

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

**SECTION C. AGENCY REVIEW (continued)**

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies <u>in review</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Act 537 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?
17. Name, title and signature of planning agency staff member completing this section:		
Name: <u>Joshua Lippert</u>		
Title: <u>Senior Environmental Planner</u>		
Signature: _____  <small>Digitally signed by Joshua Lippert DN: cn=Joshua Lippert, o=City of Pittsburgh, ou=Department of City Planning, email=joshua.lippert@pittsburghpa.gov, c=US Date: 2017.03.24 13:41:24 -0400</small>		
Date: <u>3-24-17</u>		
Name of Municipal Planning Agency: <u>City of Pittsburgh</u>		
Address <u>200 Ross Street Pittsburgh, PA 15219</u>		
Telephone Number: <u>412-255-2200</u>		

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

This Component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are desired, 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 project sponsor.

COUNTY OF



ALLEGHENY

RICH FITZGERALD  
COUNTY EXECUTIVE

February 28, 2017

Mr. Robert W. Matt Jr.  
Gateway Engineers, Inc.  
100 McMorris Road  
Pittsburgh PA 15205

**RE: SEWAGE FACILITIES PLANNING MODULE  
PAULSON SPRAY PARK  
CITY OF PITTSBURGH**

Dear Mr. Matt,

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development located at Paulson Avenue & Dunmore Street. This Planning Module Component was received on February 21, 2017. The project proposes the following:

Project Description:	Spray park facility
Sewage Flow:	Net increase 7,702 GPD
Conveyance:	PWSA collection system to POC A-42 to the Allegheny River interceptor
Sewer's Owner:	PWSA and ALCOSAN
Name of Sewage Treatment Plant:	ALCOSAN

Please be advised that a permit must be obtained from the Allegheny County Health Department's (ACHD) Plumbing Section prior to commencing any plumbing work for the proposed project. Plumbing work for which an ACHD Plumbing Permit must be obtained includes any plumbing work done on the site and any sewers, which will not be owned and operated by a municipality or a sewer authority. In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, please contact Andrew Grese, Plumbing Program Manager at 412-578-7934.

The ACHD has no objection to the approval of this project. If you have any questions, please call me at 412-578-8388.

Sincerely,

Michael Scheer  
Environmental Health Administrator II  
Public Drinking Water & Waste Management

Enclosure

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



KAREN HACKER, MD, MPH, DIRECTOR  
ALLEGHENY COUNTY HEALTH DEPARTMENT

**PUBLIC DRINKING WATER AND WASTE MANAGEMENT PROGRAM**  
3901 PENN AVENUE • BUILDING 5 • PITTSBURGH, PA 15224-1318  
PHONE: 412.578.8040 • FAX: 412.578.8053 • WWW.ACHD.NET


**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

Paulson Spray Park - City of Pittsburgh

**SECTION B. REVIEW SCHEDULE** (See Section B of instructions)
1. Date plan received by county or joint-county health department. February 21, 2017Agency name Allegheny County Health Department (ACHD)2. Date review completed by agency February 28, 2017
**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 waste water disposal needs in the area adjacent to the new land development that should be considered by the municipality?

If yes, describe \_\_\_\_\_

  3. Is there any known groundwater degradation in the area of the proposed subdivision?

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: Michael ScheerTitle: Environmental Health Administrator IISignature: Date: February 28, 2017Name of County Health Department: ACHDAddress: 3901 Penn Avenue, Building #5, Pittsburgh PA 15224-1318Telephone Number: 412-578-8388
**SECTION D. ADDITIONAL COMMENTS** (See Section D of instructions)

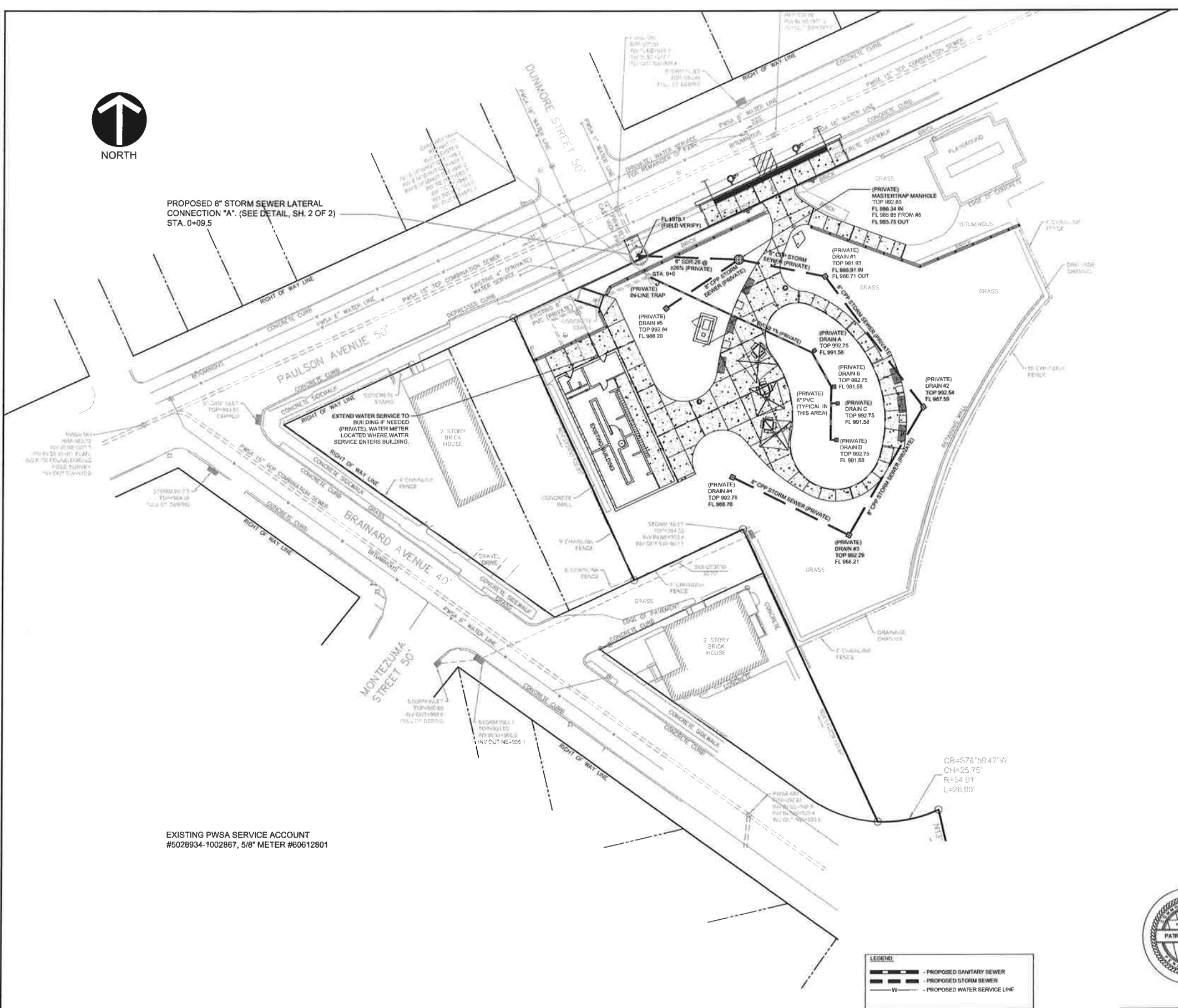
This Component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this Component within 60 days.

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



PROPOSED 8" STORM SEWER LATERAL CONNECTION "A". (SEE DETAIL, SH. 2 OF 2) STA. 0+09.5



EXISTING PWSA SERVICE ACCOUNT #5028934-1002867, 5/8" METER #60612801

LEGEND

	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED WATER SERVICE LINE



WATER AND SEWER FLOW DATA	
WATER CONSUMPTION	7,702 GPD
SANITARY FLOW	7,702 GPD
STORM FLOW	2.6 CFS
PLANNING MODULE NUMBER (ASSIGNED BY PWSA)	1,7103.12
PA, DEP APPROVAL DATE (ASSIGNED BY PWSA)	

THE PITTSBURGH WATER AND SEWER AUTHORITY

\*APPROVAL FOR

- NEW WATER TAP, BACKFLOW PREVENTOR, AND METER INSTALLATION
- NEW SANITARY AND/OR STORM SEWER TAP
- INCREASE IN FLOW AT EXISTING SEWER AND/OR WATER CONNECTION
- SEWER TAP TERMINATION
- WATER TAP TERMINATION

\*DISCLAIMER: Signature required by PWSA as for the physical connection to the sewer and/or water system only. Responsibility for the design and work depicted by this drawing, including the flow design for the building, is by the Professional Engineer shown by the seal and signature affixed to this drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design.

Project Coordinator/Project Management Engineer/Reviewer confirms that he/she has reviewed the above noted drawing(s) in accordance with the Authority's established rules and regulations. Based on this review, approval is hereby recommended.

Project Coordinator/Project Management Engineer/Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Director of Field Services

**PAULSON SPRAY PARK**

**WATER AND SEWER RECONNECTION PLAN**

**1300 PAULSON AVENUE  
12TH WARD, CITY OF PITTSBURGH, 15206**

SCALE: 1"= 20'      SHEET NO. 1 OF 2      ACCESSION NO. \_\_\_\_\_  
DATE: APRIL, 2017      CASE NO. \_\_\_\_\_

P:\m & filename\proj\13000\13000 Paulson Spray Park\DWG\08-PWSA\PAULSON\_Park.dwg Save Date: 6/22/2016 3:41 PM Plot Date: 6/28/2016 9:25 AM Robert W. Mat., Jr.

