
DEP Code No. TBD
SEWAGE FACILITIES PLANNING MODULE

for

**North Shore Lot 10
Parking Garage
City of Pittsburgh Ward 22,
Allegheny County, Pennsylvania**

Prepared For:

**Continental Development, Inc.
395 E. Waterfront Drive
Homestead, PA 15210**

Prepared By:

Langan Engineering and Environmental Services, Inc.

**2400 Ansys Drive, Suite 403
Canonsburg, Pennsylvania 15317**

LANGAN

**December, 2020
250101501**

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Transmittal Letter and Correspondence



**TRANSMITTAL LETTER
 FOR SEWAGE FACILITIES PLANNING MODULE**

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)
 PA DEP Southwest Regional Office
 400 Waterfront Drive
 Pittsburgh, PA 15222-4745

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by _____ (Name)

Langan Engineering and Environmental Services, Inc. (Title) for Continental Development, Inc. (Name)

a subdivision, commercial ,or industrial facility located in the City of Pittsburgh, Ward 22

Allegheny (City, Borough, Township) County.

Check one

(i) The planning module, as prepared and submitted by the applicant, is approved by the municipality as a proposed revision supplement for new land development to its Official Sewage Facilities Plan (Official Plan), and is adopted for submission to DEP transmitted to the delegated LA for approval in accordance with the requirements of 25 Pa. Code Chapter 71 and the *Pennsylvania Sewage Facilities Act* (35 P.S. §750),

OR

(ii) The planning module will not be approved by the municipality as a proposed revision or supplement for new land development to its Official Plan because the project described therein is unacceptable for the reason(s) checked below:

Check Boxes

- Additional studies are being performed by or on behalf of this municipality which may have an effect on the planning module as prepared and submitted by the applicant. Attached hereto is the scope of services to be performed and the time schedule for completion of said studies.
- The planning module as submitted by the applicant fails to meet limitations imposed by other laws or ordinances, officially adopted comprehensive plans and/or environmental plans (e.g., zoning, land use, 25 Pa. Code Chapter 71). Specific reference or applicable segments of such laws or plans are attached hereto.
- Other (attach additional sheet giving specifics).

Municipal Secretary: Indicate below by checking appropriate boxes which components are being transmitted to the approving agency.

- | | | |
|--|---|--|
| <input type="checkbox"/> Resolution of Adoption | <input type="checkbox"/> 3 Sewage Collection/Treatment Facilities | <input type="checkbox"/> 4A Municipal Planning Agency Review |
| <input type="checkbox"/> Module Completeness Checklist | <input type="checkbox"/> 3s Small Flow Treatment Facilities | <input type="checkbox"/> 4B County Planning Agency Review |
| <input type="checkbox"/> 2 Individual and Community Onlot Disposal of Sewage | | <input type="checkbox"/> 4C County or Joint Health Department Review |

 Municipal Secretary (print)

 Signature

 Date

CORRESPONDENCE

June 26, 2020

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:	North Shore Lot 10
Project Address:	Parcel 8-K-35 North Shore Pittsburgh, PA 15212
Net Flow, gpd:	300
EDU's, 400gpd/EDU:	0.75

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 x5523 or SConnell@pgh2o.com.

Sincerely,



Shannon Connell
Engineering Co-Op

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

June 26, 2020

Mr. Scott Levit
Langan
2400 Ansys Drive
Canonsburg, PA 15317

Subject: Water and Sewer (W/S) Use Approval
Project Name: North Shore Lot 10
PWSA Project No.: 20013.18

Dear Mr. Levit,

Pursuant to your request, we have reviewed the W/S Use Application (Application) for the aforementioned Project. This letter shall serve as confirmation that the Application has been approved. Please see below for the approved flows:

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
<i>Project Flow</i>	300	300	17.21
<i>Existing Flow</i>	0	0	17.58
<i>Net Flow</i>	300	300	

Please be advised that the need for sewage planning shall be determined by the Department of Environmental Protection (DEP). After issuance of this letter, the PWSA shall email the Preliminary Determination on the Need for Sewage Planning Letter to the DEP. Typically, the DEP will respond via email with the Final Determination on the Need for Sewage Planning.

Our review was based on information provided by the Applicant 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 x5523 or SConnell@pgh2o.com.

Sincerely,

Shannon Connell
Engineering Co-Op

Enclosure(s)

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



Water and Sewer (W/S) 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 Application Form Narrative
- Flow Calculations Site Plan Floor Plan

Project Info

Project Name: _____

Address: _____

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

Owner/Developer

Name: _____

Address: _____

Email: _____

Phone Number: _____

Consultant

Firm Name: _____

Address: _____

Contact Name: _____

Email: _____

Phone Number: _____

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
Project Flow			
Existing Flow			
Net Flow			Not Required

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: _____

Signature: Scott S

Date: _____

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

December 9, 2020

Scott Levit, P.E.
Langan Engineering and Environmental Services, Inc.
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
North Shore Lot 10, City of Pittsburgh**

Dear Mr. Levit:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on December 8, 2020. The project proposes the following:

Project Description:	North Shore Lot 10. Proposing the construction of a five (5) stories, ±445 space parking garage with flexible retail space fronting on West General Robinson Street on the ground floor located in the City of Pittsburgh, Allegheny County.
Sewage Flow:	300 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water & Sewer Authority (PWSA) collection system to ALCOSAN POC A-46 to the Allegheny River interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN.

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



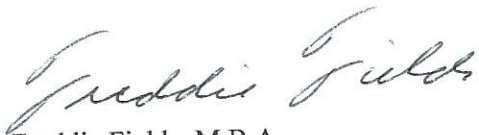
DEBRA BOGEN, MD, DIRECTOR
ALLEGHENY COUNTY HEALTH DEPARTMENT
542 FOURTH AVENUE • PITTSBURGH, PA 15219
PHONE (412) 687-ACHD (2243) • FAX (412) 578-8325
WWW.ALLEGHENYCOUNTY.US/HEALTHDEPARTMENT



In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, you can contact Ivo Miller, Plumbing Program Manager at 412-578-8393.

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

Sincerely,



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

FF/cb
Enclosure

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

January 12, 2021

Scott Levit, P.E.
Langan Engineering
2400 Ansys Drive
Canonsburg, PA 15317

Subject: Sewage Facilities Planning Module (SFPM)
Approval for Collection System Flows
Project Name: North Shore Lot 10 (Project)
PWSA Project No.: 20013.18

Dear Scott,

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 x5523 or SConnell@pgh2o.com.

Sincerely,



Shannon Connell
Engineering Co-Op

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, P.E. - Director of Engineering and Construction

From: Shannon Connell

Date: January 11, 2021

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

Chapter 94 Consistency Determination

Project Name: North Shore Lot 10 (Project)

Project Address: Parcel 8-K-35, North Shore, Pittsburgh, PA 15212

PWSA Project Number: 20013.18

Dear Barry,

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.

Yours truly,


Shannon Connell
Engineering Co-Op

Enclosures

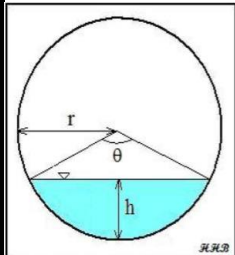
cc: Robert Herring, P.E. - PWSA
e-Builder – Filing System

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

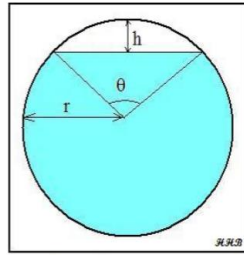
PROJECT NAME: North Shore Lot 10
PWSA PROJECT NUMBER: 20013.18
PWSA REVIEWER: Shannon Connell
DATE: January 11, 2021

LEGEND: Input Data Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters
(Less Than Half Full)



Partially Full Pipe Flow Parameters
(More Than Half Full)

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

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

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

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q _p	300	gpd

Variable	Value	Units
Material	PVC	
n	0.01	unitless
S	0.011	ft/ft
h	0.250	ft
D	1.00	ft
P.F.	3	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}	1,049,357	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	1.000	ft
r	0.500	ft
A	0.785	ft ²
P	3.142	ft
R	0.250	ft
Q _{d, peak}	5	cfs
Q _{d, peak}	3,148,072	gpd

Section D: Calculations for Present Flows

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

Present Flows, Average		
Variable	Value	Unit
Q _{ex, avg}	143,743	gpd

Present Flows, Peak		
Variable	Value	Unit
D	1.000	ft
r	0.500	ft
θ	2.09	rad
h/D	0.25	ft/ft
A	0.15	ft ²
P	1.05	ft
R	0.147	ft
Q _{ex, peak}	1	cfs
Q _{ex, peak}	431,229	gpd

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

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

Projected Flow Calculations		
Variable	Value	Unit
Q _{proj, avg}	151,035	gpd
Q _{proj, peak}	453,105	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
Q _{d, avg}	1,049,357	1,049,152	205	0%
Q _{d, peak}	3,148,072	3,147,456	616	0%
Q _{ex, avg}	143,743	143,319	424	0%
Q _{ex, peak}	431,229	429,958	1,271	0%
Q _{proj, avg}	151,035	150,800	235	0%
Q _{proj, peak}	453,105	452,401	704	0%



January 25, 2021

Members of the Board

Corey O'Connor
Chair Person

Rep. Harry Readshaw
Sylvia C. Wilson
Shannah Tharp-Gilliam, Ph.D.
Jack Shea
John Weinstein
Brenda L. Smith

Aretta Scott Williams
Executive Director

William H. Inks, CPA
*Director
Finance & Administration*

Jan M. Oliver
*Director
Regional Conveyance*

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

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

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

Jeanne K. Clark
*Director
Governmental Affairs*

Joseph Vallarian
*Director
Communications*

Mr. Scott Levit, P.E.
Langan Engineering
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

**Re: North Shore Lot 10 Parking Garage
City of Pittsburgh, 22nd Ward – Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Downshaft Structure A-46-00**

Dear Mr. Levit:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 22nd Ward. The total subdivided project area will generate a peak flow of 300 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity at the A-46-00 Downshaft Structure is approximately 5.44 MGD. The estimated peak dry weather flow is approximately 0.430 MGD. Dry weather capacity exists for this connection. However, the Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

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

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Shawn P. McWilliams, EIT
Civil Engineer

Attachment

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

APPENDIX B

Resolution for Plan Revision for New Land Development

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 Parcel 8-K-35, Pittsburgh, PA 15219.

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, Continental Development, Inc. has proposed the development of a certain parcel of land Parcel 8-K-35, Pittsburgh, PA 15219, Allegheny County, in the 22nd 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 a sewer tap-in to the City of Pittsburgh sewage systems; and

WHEREAS, the Pittsburgh Water Sewer Authority, the Allegheny County Sanitary Authority, the City of Pittsburgh Planning Department and the Allegheny County Health 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 Parcel 8-K-35, Pittsburgh, PA 15219, Allegheny County, in the 22nd 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.

Fiscal Impact Statement

Department	Law Department		
Preparer	Benjamin Smith		
Contact	Scott Levit (LANGAN) 724-514-5128		
Type of Initiative	<input checked="" type="checkbox"/> Legislation	<input type="checkbox"/> Executive Order	
Type of Legislation	Other		

Continental Development, Inc has proposed the development of a certain parcel of land Parcel 08-K-35, Pittsburgh, PA 15219, Allegheny County, in the 22nd 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 a sewer tap-in to the City of Pittsburgh sewage systems; and

The City of Pittsburgh must adopt and submit to the Department of Environmental Protection for its approval, as a Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan, the Planning Module for land development.

Total Cost	\$ 0			
Frequency of Expenditure	<input type="checkbox"/> One-Time		<input type="checkbox"/> Multi-Year	
Funding Source	<input type="checkbox"/> Operating	<input type="checkbox"/> Capital	<input type="checkbox"/> Grant	<input type="checkbox"/> Trust Fund
Is this item budgeted?	<input type="checkbox"/> Yes		<input type="checkbox"/> No	

JDE Account Information

N/A

Additional Costs

N/A

Impact on City Revenue

N/A

Attachments

If required, include any additional attachments and/or exhibits

City of Pittsburgh
Sewer Facilities Planning Module Questionnaire

PROJECT NAME: North Shore Lot 10

1) What was the previous permitted use for this property?

Surface parking lot with minimum landscaping areas.

2) What is the proposed use for the property?

The proposed property will consist of a new 5-story parking garage with flexible retail space on the ground floor.

3) How is green stormwater mitigation being integrated into the proposed project?

The proposed stormwater management system includes underground infiltration system and amended soils. The total area of disturbance for the development will be greater than 10,000 square feet; therefore, per Section 1003.04.C of the City of Pittsburgh Code, the project will require a stormwater management plan. Due to this, multiple Best Management Practices (BMPs) will be implemented going forward, including an underground infiltration system. Stormwater will be managed on site to the greatest extent possible by maximizing greenspace on site.

4) Will the development result in a net positive or net negative change in stormwater flow?

After the implementation of the proposed stormwater management system, the development will result in a net negative change in stormwater flow.

APPENDIX C

Component 3, Narrative Description of Project, Supporting Documentation



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

Code No.

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY

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

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name North Shore Lot 10
2. Brief Project Description Continental Development, Inc. and its development partners (collectively "the Developer") are proposing the construction of a parking garage in Pittsburgh's North Shore. The proposed ±445 space parking garage will consist of 5 stories with flexible retail space fronting on West General Robinson Street on the ground floor. The flexible retail space will be designated for temporary activities such as vendor and merchandise sales during sporting events or covered seating. The flexible retail space is located along West General Robinson Street on the north side of the proposed parking garage. This space will not have water nor sanitary drains; except there will be a hose bib to clean concrete floors. The proposed project includes one sanitary which will connect into an existing sanitary lateral which is currently stubbed on-site before connecting into the 12-inch PWSA sewer in West General Robinson Street. The proposed project also includes a 1.5-inch domestic service line to connect from the parking garage to the 12-inch PWSA water main in West General Robinson Street.

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Battistone	Martina			Senior Environmental Planner
Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1

Mailing Address Line 2

Department of City Planning

200 Ross St., 4th Floor

Address Last Line -- City

State

ZIP+4

Pittsburgh

PA

15219

Area Code + Phone + Ext.

FAX (optional)

Email (optional)

412-255-2516

Martina.battistone@pittsburghpa.gov

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

North Shore Lot 10

Site Location Line 1

Parcel 8-K-35

Site Location Line 2

Site Location Last Line -- City

State

ZIP+4

Latitude

Longitude

Pittsburgh

PA

15219

40°44'70.8"N

80°00'83.6"W

Detailed Written Directions to Site: From I-376 W/US-22 W take exit 70C then continue onto I-279/Duquesne Bridge. Use the left lane to keep left at the fork and continue toward Reedsdale Street then keep left to continue on Exit 1B, follow signs for North Shore. Turn left onto Allegheny Avenue and then take the North Shore Drive to your destination

Description of Site: The existing site is a surface parking lot with minimal landscaping areas. The site is generally bound by North Shore Drive to the south, parcel 8-K-2 to the west, Mazeroski Way to the east, and West General Robinson Street to the north. The surrounding area is mostly urban hardscape consisting of concrete and asphalt pavement, buildings, and roads.

Site Contact (Developer/Owner)

Last Name

First Name

MI

Suffix

Phone

Ext.

Ford

Barry

412-476-3009

Site Contact Title

Site Contact Firm (if none, leave blank)

Agent

Continental Development, Inc.

FAX

Email

BFord@continental-realestate.com

Mailing Address Line 1

Mailing Address Line 2

395 E. Waterfront Drive

Mailing Address Last Line -- City

State

ZIP+4

Homestead

PA

15210-5005

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

Last Name

First Name

MI

Suffix

Rowland

Scott

Title

Consulting Firm Name

Principal/Vice President

Langan Engineering & Environmental Services, Inc.

Mailing Address Line 1

Mailing Address Line 2

2400 Ansys Drive

Suite 403

Address Last Line -- City

State

ZIP+4

Country

Canonsburg

PA

15317

USA

Email

Area Code + Phone

Ext.

Area Code + FAX

srowland@langan.com

724-514-5123

724-514-5101

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: PWSA

F. PROJECT NARRATIVE (See Section F of instructions)

- A narrative has been prepared as described in Section F of the instructions and is attached.
The applicant may choose to include additional information beyond that required by Section F of the instructions.

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter 93 (relating to wastewater treatment requirements).

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

- New collection system Pump Station Force Main
 Grinder pump(s) Extension to existing collection system Expansion of existing facility

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 1

Connections 1

Name of:

existing collection or conveyance system West General Robinson Street 12-inch PVC Sanitary Sewer
owner PWSA

existing interceptor A-46 Interceptor (Sanitary Sewer System only)
owner Allegheny County Sanitary Authority (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 Allegheny County Sanitary Authority (ALCOSAN) Wastewater Treatment Facility

NPDES Permit Number for existing facility PA 0025984

Clean Streams Law Permit Number PA 0025984

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

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

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent SHAWN P. McWILLIAMS, EIT

Agent Signature *Shawn P. McWilliams* Date 1/25/2021

(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 300 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	1,049,152	3,147,456	143,319	429,958	150,800	452,401
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 *Barry King*

Date 1/11/2021

☒ 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 300 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						
Conveyance	---	5.44 MGD	0.143 MGD	0.430 MGD	0.145 MGD	0.435 MGD
Treatment	209.3 MGD	250.0 MGD	209.3 MGD	250.0 MGD	219.7 MGD	295.0 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 _____

Name of Responsible Agent _____

Agent Signature _____ Date _____

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature *Shawn P. McWilliams*

Date 01/25/2021

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 ***ALCOSAN IS UNDER A CONSENT DECREE TO ADDRESS WET WEATHER OVERFLOWS.**

- a. YES NO This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

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

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

b. Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Shawn P. McWilliams, EIT

Agent Signature *Shawn P. McWilliams*

Date 01/25/2021

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.

Scott Levit, P.E. Name (Print)	 Signature
Project Engineer Title	12/04/2020 Date
2400 Ansys Drive, Suite 403 Canonsburg, PA 15317 Address	724-514-5128 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 \$ 50.00 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.

$$\# \underline{1} \text{ Lot (or EDUs)} \times \$50.00 = \$ \underline{50.00}$$

The fee is based upon:

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

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

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

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

$$\# \underline{\hspace{2cm}} \text{ Lots (or EDUs)} \times \$35.00 = \$ \underline{\hspace{2cm}}$$

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)

NARRATIVE DESCRIPTION OF PROJECT

SECTION F SEWAGE FACILITIES PLANNING MODULE COMPONENT 3

**Re: Project Narrative
North Shore Lot 10 Project
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250101501**

The project is located in the North Shore neighborhood of the City of Pittsburgh, Allegheny, County, Pennsylvania. Continental Development, Inc. and its development partners (collectively "the Developer") are proposing the construction of a parking garage in Pittsburgh's North Shore. The proposed ± 445 space parking garage will consist of 5 stories with flexible retail space fronting on West General Robinson Street on the ground floor. The flexible retail space will be designated for temporary activities such as vendor and merchandise sales during sporting events or covered seating. The flexible retail space is located along West General Robinson Street on the north side of the proposed parking garage.

The site is currently occupied by a surface parking lot. This space will not have water nor sanitary drains; except there will be a hose bib to clean concrete floors. Given that retail space peak sewer discharge is estimated using public toilets, urinals, and sink, which will not be provided in the flexible retail space, we have estimated the flows using an alternate methodology identified in Appendix C. The proposed project includes one sanitary discharge, which will connect into an existing sanitary lateral, which is currently stubbed on-site before connecting into the 12-inch PWSA sewer in West General Robinson Street.

Reference documents for the calculation of the proposed estimated combined daily sanitary sewage flow can be found in Appendix C. We intended to measure the dry flow hydraulic capacity calculation for the proposed project from the limited capacity sewer between MH008K065 and MH008K016, closest connection to the proposed sanitary located in West General Robinson Street. However, both MH008K065 and MH008K016 manholes were obstructed. The dry flow was instead measured from MH008K065 and MH008K064.

The measurement for dry flow was completed on December 3, 2020 at approximately 6:25 PM. The weather conditions were partly cloudy with temperatures in the upper 30's. A measuring rod was lowered into the manhole with a wooden stake secured to allow for a watermark to be observed on the stake. The depth of flow was measured from the watermark. Five measurements every fifteen minutes were taken over the course of one hour (measurement at 6:25 pm, 6:40 pm, 6:55 pm, etc.). The maximum flow measurement was found to be 3 inches. For use in the dry flow hydraulic capacity calculation, 3 inches was used. The slope of the limited capacity sewer between MH008K065 and MH008K062 was calculated based on the existing conditions survey prepared by CEC and included in Appendix F. Given the upstream and downstream invert, the slope of the limited capacity sewer is approximately 1.1%.

The total area of disturbance for the development will be greater than 10,000 square feet; therefore, per Section 1303.01.A of the City of Pittsburgh Code, the project must adhere to stormwater management regulations. The proposed project includes one storm service connections: a 15-inch storm lateral from the on-site infiltration vault that connects to the existing 15-inch PWSA storm sewer in North Shore Drive, which eventually conveys to the existing PWSA storm manhole (MH008L070) in North Shore Drive. The stormwater discharge for this project will be conveyed to the Allegheny River via a separate closed conduit storm sewer system.

The proposed project also includes a 1.5-inch domestic service line to connect from the parking garage to the 12-inch PWSA water main in West General Robinson Street. The anticipated average water consumption calculation for the retail space in the proposed garage is based on current water consumption from other developments within the North Shore. An average demand for the retail space has been computed based on the number of employees, to be working in the retail space, provided by the Developer. The total anticipated average water consumption for the proposed development is 300 gallons per day, or 1 EDU.

The proposed sanitary flow for the parking garage is expected to be the same as the anticipated average water consumption for the parking garage (300 gallons per day total). The proposed project development sewage flows were accounted for in the North Shore Sewage Facilities Planning Module, approved on May 5, 2000 (see Appendix I). The proposed project site is included in Block 202 of the pre-approved module, which permitted a total daily sanitary flow of 161,425 gallons per day. The proposed development only contributes 300 gallons per day, well below the allotted amount. After the development of this project, there will be an additional flow of 161,125 gallons per day for further development of Block 202. The existing municipal system is expected to meet the proposed demands for water, sanitary sewer, and storm sewer services for the development.

**ANTICIPATED SEWAGE
FLOW REFERENCE**

TABLE 1: SANITARY SEWAGE FLOW ESTIMATION

Type of Establishment	Size	Unit	Anticipated Average Rate (GPD/Employee)	Anticipated Average Water Flow (GPD)
Flexible Retail	5	Employee	10	50
Required GPD =				50
Required EDUs¹ =				1
Requested TOTAL GPD =				300

1 – EDUs are based on 300 GPD/EDU.

**PROPOSED SANITARY PIPE CALCULATIONS
North Shore Lot 10**

Q_{max}	Based on Total Units Discharging
Q_{design}	$3.5 * Q_{max}$
Q_{full}	$1.49/n * A_{pipe} * R^{2/3} * S^{1/2}$
Q_{half}	FLOW AT HALF FULL = $0.48 * Q_{full}$
V_{max}	VELOCITY AT 80% FULL = $1.15 * Q_{full} / A_{pipe}$
V_{half} , (fps)	VELOCITY OF FLOW AT HALF FULL = $Q_{half} / (A_{pipe} * 0.5)$
PIPE SIZED ACCORDINGLY	CHECKS IF Q_{design} IS LESS THAN Q_{half}

FROM BLDG TO EXISTING SYSTEM IN WEST GENERAL ROBINSON

MINIMUM SLOPE WITHIN THIS ENTIRE RUN = 2.00%

MATERIAL	PVC	Q_{full} , cfs	Q_{full} , gpd	Q_{half} , cfs	Q_{half} , gpd	V_{max} , fps	V_{half} , fps
LENGTH, ft	66	2.02	1,308,197	0.97	627,935	6.67	5.80
DIAMETER, in	8						
SLOPE	2.00%	PIPE SIZED ACCORDINGLY: TRUE					
n	0.011	$V_{max} < 10$ fps: TRUE					
Q_{max} , gpd	300	$V_{half} > 2$ fps: TRUE					
Q_{design} , gpd	1,050						

North Shore Lot 10
West General Robinson Street 12-IN PWSA Sanitary Sewer
Dry Flow Comparison Calculations

Given Information	
Pipe Location:	West General Robinson St.
Pipe Type:	SDR-26
Pipe Diameter (IN):	12
Slope:	1.1%
Depth of Flow (IN):	3
Manning's n Value:	0.01

Solve for Dry Flow	
Radius of Pipe, r (IN):	6
Circular Segment Height, h (IN):	3
Central Angle, θ :	120.000
Flow Area, K (IN ²):	22.111
Wetted Perimeter (IN):	12.566
Hydraulic Radius (IN):	1.760
Hydraulic Radius (FT):	0.147
Velocity (FT/S):	4.333
Flow (CFS):	0.665
Flow (GPD):	429,958

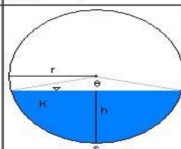
Solve for Full Flow	
Flow (CFS):	4.871
Flow (GPD):	3,147,456

Solve for Present Average Flow	
Peak Factor:	3.0
Flow (GPD):	143,319

Solve for Average Design/Permitted Capacity	
Flow (GPD):	1,049,152

Summary	
Anticipated Flow Contribution (GPD):	300
Present Average Flow (GPD):	143,319
Present Peak Flow (GPD):	429,958
Design/Permitted Average Capacity (GPD):	1,049,152
Design/Permitted Peak Capacity (GPD):	3,147,456
Average Projected Flow (GPD)	150,800
Peak Projected Flow (GPD)	452,401

$$V = \frac{k}{n} R^{2/3} S^{1/2} \quad k = 1.4859 \text{ ft}^{1/3} / \text{s} \quad Q = VA$$

step	solve for	if flow depth < radius
		
1	circular segment height	$h = d$
2	central angle	$\theta = 2 \arccos \left(\frac{r-h}{r} \right)$
3	circular segment area	$K = \frac{r^2 (\theta - \sin \theta)}{2}$
4	arc length	$s = r \times \theta$
5	flow area	$A = K$
6	wetted perimeter	$P_w = s$
7	hydraulic radius	$R_h = \frac{A}{P_w}$



**DOCUMENTATION
FROM UTILITY COMPANIES**

The Pittsburgh Water and Sewer Authority Form GEN – Customer Application

1. Property Owner's Name Stadium Authority of the City of Pittsburgh
Customer's Name (if different) Scott Levit (Langan)
Lateral/Service Address 218 N Shore Drive
City Pittsburgh State PA Zip 15212
Contact Mailing Address (if different) 2400 Ansys Drive, STE 403
City Canonsburg State PA Zip 15317
Contact Phone Number (724) 514-5128
Contact Email slevit@langan.com

2. Allegheny County Block and Lot No(s). 8-K-35 Ward No. 22

3. Acreage of Development or Lot Size(s) 2.56 acres

4. Nature of Development: Residential Multi-Unit Commercial Institutional
Building Permit No. _____ Zoning Approved For _____

5. Plot Plan or Tap-In Drawing:
Plot Plan Included? Yes No Tap-In Drawing Included? Yes No
Check Type(s) of Tap-In Drawings, if included: Sewer Drawing No. _____
Water Drawing No. _____

6. Type of Permit (check one):
NEW METER NEW HOUSE SHUT HYDRANT FLOW TEST HYDRANT WITH METER
NEW WATER TAP NEW SEWER TAP PARTY LINE SEPARATION TERMINATION TAP C

7. Applicant agrees that it shall be fully responsible for any damage to the hydrant, attached meter, or any personal injury or property damage sustained as a result of the applicant's use of the hydrant. Applicant further agrees to indemnify, defend and hold harmless the PWSA, its officers, agents and employees from and against all demands, claims, damages, losses, costs and expenses, including attorney's fees and cost of defense for bodily injury, death or property damage, or the loss of use thereof, caused or allegedly caused in whole or in part from the applicant's use of the hydrant. This permit is not transferable.

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

Scott Levit 11/26/2019
Property Owner's Signature Date

PWSA Form HYD No.
19-0486
PWSA Hydrant Permit No.
19-207

PWSA Form SWR No. _____
PWSA Form WTR No. _____
PWSA Form TERM No. _____

Hydrant Permit No.
19-207

Form HYD No.
119-10486
(PWSA Use Only)

The Pittsburgh Water and Sewer Authority Form HYD - Hydrant Permit

GENERAL REQUIREMENTS

The PWSA shall regulate the use of water from all fire hydrants and outlets, including private hydrants,

- A. PERMIT FOR USE: No person shall use any fire hydrant without first applying to the PWSA which may issue a permit upon evaluation of the request. The permit fee shall include costs for compensation of inspection by Authority personnel and those costs incurred for billing.
- B. RESTRICTIONS & RESPONSIBILITY: This permit is restricted to the hydrant(s) listed below, and it is understood the permission for these fire hydrants will be granted only to responsible persons/firms.
- C. PROHIBITED USES: The use of fire hydrant(s) in freezing weather or when the ground is frozen is not permitted. The outside air temperature must be at least 40° F and rising.
- D. CANCELLATIONS: The PWSA may cancel this permit in cases of water shortage, cold weather, damage to private or City property resulting from hydrant use, or whenever the public interest requires.
- E. Applicant agrees that he/she shall be fully responsible for any damage to the hydrant, attached meter, or any personal injury or property damage sustained as a result of the applicant's use of the hydrant. Applicant further agrees to indemnify, defend and hold harmless the PWSA, its officers, agents and employees from and against all demands, claims, damages, losses, costs and expenses, including attorney's fees and cost of defense for bodily injury, death or property damage, or the loss of use thereof, caused or allegedly caused in whole or in part from the applicant's use of the hydrant.

FEE SCHEDULE

1. **HYDRANT FLOW TEST - NOTE: PWSA DOES NOT PROVIDE GAUGES, MUST USE YOUR OWN**

Date Requested: Pending Time Requested: _____ AM / PM

PWSA will determine the applicable flow hydrant and residual hydrant for testing.

	FLOW HYDRANT	PRESSURE HYDRANT
Hydrant Number:	F2453	F2458
Location:	N. Shore Dr.	N. Shore Dr.
Static Pressure (psi)		102
Residual Pressure (psi)		97
Flow Observed (gpm)	1590	

See attached drawing for hydrant info.

HYDRANT OPERATION FEE: \$500.00

2. **HYDRANT USE WITH METER (CONSTRUCTION / TEMPORARY USE)**

Date Requested: _____ Time Requested: _____ AM / PM

Fire Hydrant No.: _____ Location: _____

NON-REFUNDABLE HYDRANT OPERATION FEE: \$500.00

- Meter for hydrant use:
- 5/8" or 5/8" x 3/4" \$ 680.00 = _____
 - 3/4" \$ 780.00 = _____
 - 1" \$ 960.00 = _____
 - Fire Hydrant Meter (2 1/2" meter) \$1,039.50 = _____

TOTAL OWED: \$

(Cost includes Meter, Adaptors, Installation and Deposit)

PAYMENT PRIOR TO WORK: All charges shall be paid prior to performance of the applicable work.

COMPUTATION: Fees shall be computed on the basis of prevailing costs incurred by the PWSA and taking into account wages paid, fringe benefits, overhead, and other costs that might accrue. The PWSA shall issue regulations listing such charges and shall update them as necessary.

EFFECTIVE DATE: All standard charges shall become effective on the day they are filed with the PWSA.

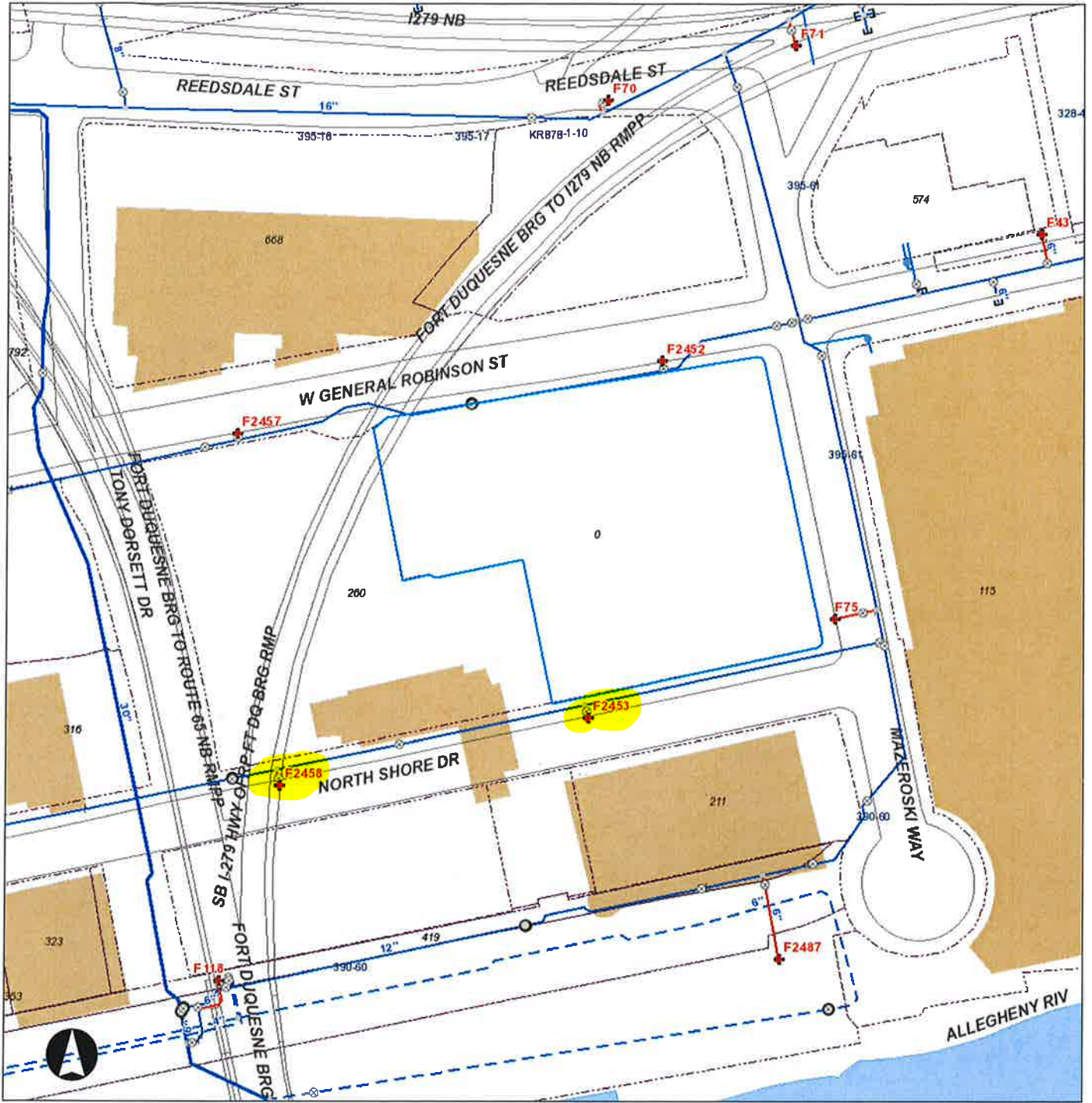
3. **Make Check Payable to: The Pittsburgh Water and Sewer Authority or PWSA**

Payment Received Date: 11-27-19 Check Number: 10539 Check Amount: \$500.00

[Signature]
PWSA Permit Clerk Signature

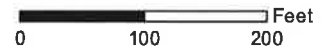
11-27-19
Date

218 N. Shore Drive - Flow Test



Legend

- | | | |
|---------------------------|----------------------|----------------------------|
| ● Meter | ○ Water Manhole | ■ Outfall |
| ⊞ Pump | — Rising Main | ⊕ End Cap |
| ⊕ Hydrant | — Supply Main | ■ Sewer Pump Station |
| ⊕ Hydrant- Out of Service | — Transmission Main | — Combined Sewer |
| ⊗ System Valve | — Distribution Main | — Sanitary Sewer |
| ⊗ Dividing Pressure Valve | — Hydrant Branch | — Storm Sewer |
| ⊞ Cap | — Private Main | — Regulated Combined Sewer |
| ⊞ Tee or Cross | — Water Service Line | — Overflow Sewer |
| — Reducer | ● Manhole | — Interceptor |
| — Coupling | ● Junction | — Sewer Force Main |
| ⊞ Wash Out | □ Inlet | — Private Sewer |
| | □ Private Inlet | — Undefined 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: 11/27/2019

The Pittsburgh Water and Sewer Authority Form GEN – Customer Application

1. Property Owner's Name Stadium Authority of the City of Pittsburgh
Customer's Name (if different) Scott Levit (Langan)
Lateral/Service Address 218 N Shore Drive
City Pittsburgh State PA Zip 15212
Contact Mailing Address (if different) 2400 Ansys Drive, STE 403
City Canonsburg State PA Zip 15317
Contact Phone Number (724) 514-5128
Contact Email slevit@langan.com

2. Allegheny County Block and Lot No(s). 8-K-35 Ward No. 22

3. Acreage of Development or Lot Size(s) 2.56 acres

4. Nature of Development: Residential Multi-Unit Commercial Institutional
Building Permit No. _____ Zoning Approved For _____

5. Plot Plan or Tap-In Drawing:

Plot Plan Included? Yes No Tap-In Drawing Included? Yes No
Check Type(s) of Tap-In Drawings, if included: Sewer Drawing No. _____
Water Drawing No. _____

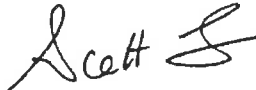
6. Type of Permit (check one):

NEW METER NEW HOUSE SHUT HYDRANT FLOW TEST HYDRANT WITH METER
NEW WATER TAP NEW SEWER TAP PARTY LINE SEPARATION TERMINATION TAP C

7. Applicant agrees that it shall be fully responsible for any damage to the hydrant, attached meter, or any personal injury or property damage sustained as a result of the applicant's use of the hydrant. Applicant further agrees to indemnify, defend and hold harmless the PWSA, its officers, agents and employees from and against all demands, claims, damages, losses, costs and expenses, including attorney's fees and cost of defense for bodily injury, death or property damage, or the loss of use thereof, caused or allegedly caused in whole or in part from the applicant's use of the hydrant. This permit is not transferable.

8. False Swearing Statement

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



Property Owner's Signature

11/26/2019

Date

PWSA Form HYD No.

19-0487

PWSA Hydrant Permit No.

19-208

~~PWSA Form SWR No.~~

~~_____~~

~~PWSA Form WTR No.~~

~~_____~~

~~PWSA Form TERM No.~~

~~_____~~

19-208

19-0487

(PWSA Use Only)

The Pittsburgh Water and Sewer Authority
Form HYD - Hydrant Permit

GENERAL REQUIREMENTS

The PWSA shall regulate the use of water from all fire hydrants and outlets, including private hydrants.

- A. PERMIT FOR USE: No person shall use any fire hydrant without first applying to the PWSA which may issue a permit upon evaluation of the request.
B. RESTRICTIONS & RESPONSIBILITY: This permit is restricted to the hydrant(s) listed below, and it is understood the permission for these fire hydrants will be granted only to responsible persons/firms.
C. PROHIBITED USES: The use of fire hydrant(s) in freezing weather or when the ground is frozen is not permitted.
D. CANCELLATIONS: The PWSA may cancel this permit in cases of water shortage, cold weather, damage to private or City property resulting from hydrant use, or whenever the public interest requires.
E: Applicant agrees that it shall be fully responsible for any damage to the hydrant, attached meter, or any personal injury or property damage sustained as a result of the applicant's use of the hydrant.

FEE SCHEDULE

1. HYDRANT FLOW TEST: For hydrant flow tests, PWSA will determine the applicable flow hydrant and residual hydrant for testing.

[X] Flow Test

Date/Time Requested: Pending

See attached for hydrant info.

Table with 3 columns: Hydrant Number, Location, Static Pressure (psi), Residual Pressure (psi), Flow Observed (gpm). Rows include F2452, W. Gen. Rob. St., 103, 97, 1590.

HYDRANT FEE:

[]

x \$500.00 = No. of Days

2. HYDRANT USE WITH METER (CONSTRUCTION / TEMPORARY USE):

[] Hydrant Use with Meter

Date/Time Requested:

Fire Hydrant No. and Location

HYDRANT FEE: Cost includes Meter, Adaptors, Installation and Deposit

[]

x \$500.00 = No. of Days

**Meter for hydrant use:

[]

5/8" or 5/8" x 3/4"

x \$ 680.00 =

[]

3/4"

x \$ 780.00 =

[]

1"

x \$ 960.00 =

[]

Fire Hydrant Meter (2 1/2" meter)

x \$1,039.50 =

PAYMENT PRIOR TO WORK: All charges shall be paid prior to performance of the applicable work.

COMPUTATION: Fees shall be computed on the basis of prevailing costs incurred by the PWSA and taking into account wages paid, fringe benefits, overhead, and other costs that might accrue.

EFFECTIVE DATE: All standard charges shall become effective on the day they are filed with the PWSA.

TOTAL OWED: \$ 580.00

3. Make Check Payable to: The Pittsburgh Water and Sewer Authority or PWSA

Payment Received Date: 11-27-19

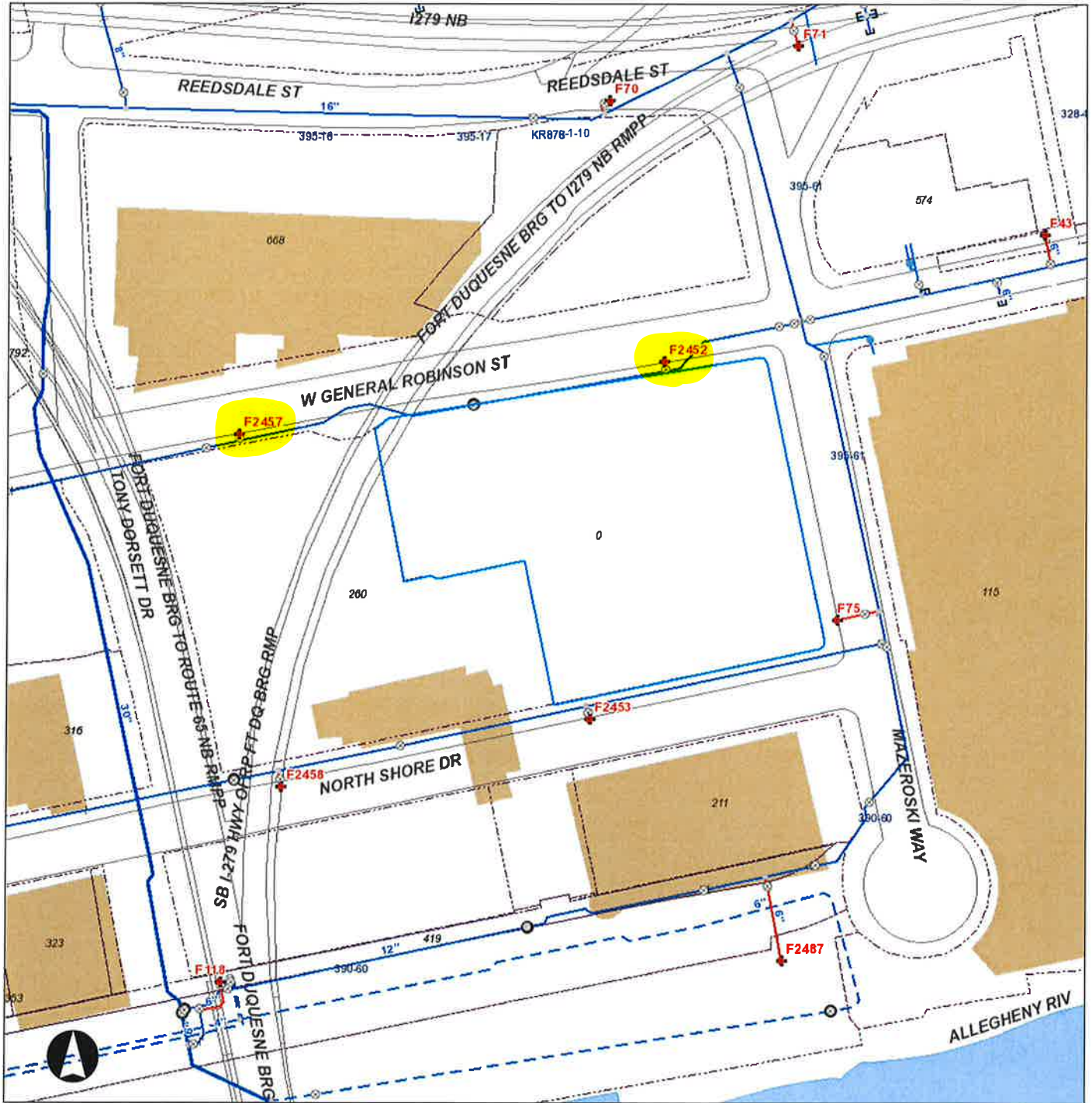
Check Number: 10540

Check Amount: \$ 500.00

Permit Application Clerk Signature

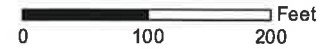
Date

218 N. Shore Drive - Flow Test



Legend

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



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Date: 11/27/2019

June 26, 2020

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:	North Shore Lot 10
Project Address:	Parcel 8-K-35 North Shore Pittsburgh, PA 15212
Net Flow, gpd:	300
EDU's, 400gpd/EDU:	0.75

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 x5523 or SConnell@pgh2o.com.

Sincerely,



Shannon Connell
Engineering Co-Op

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

June 26, 2020

Mr. Scott Levit
Langan
2400 Ansys Drive
Canonsburg, PA 15317

Subject: Water and Sewer (W/S) Use Approval
Project Name: North Shore Lot 10
PWSA Project No.: 20013.18

Dear Mr. Levit,

Pursuant to your request, we have reviewed the W/S Use Application (Application) for the aforementioned Project. This letter shall serve as confirmation that the Application has been approved. Please see below for the approved flows:

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
<i>Project Flow</i>	300	300	17.21
<i>Existing Flow</i>	0	0	17.58
<i>Net Flow</i>	300	300	

Please be advised that the need for sewage planning shall be determined by the Department of Environmental Protection (DEP). After issuance of this letter, the PWSA shall email the Preliminary Determination on the Need for Sewage Planning Letter to the DEP. Typically, the DEP will respond via email with the Final Determination on the Need for Sewage Planning.

Our review was based on information provided by the Applicant 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 x5523 or SConnell@pgh2o.com.

Sincerely,

Shannon Connell
Engineering Co-Op

Enclosure(s)

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



Water and Sewer (W/S) 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 Application Form Narrative
- Flow Calculations Site Plan Floor Plan

Project Info

Project Name: _____

Address: _____

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

Owner/Developer

Name: _____

Address: _____

Email: _____

Phone Number: _____

Consultant

Firm Name: _____

Address: _____

Contact Name: _____

Email: _____

Phone Number: _____

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
Project Flow			
Existing Flow			
Net Flow			Not Required

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: _____

Signature: Scott S

Date: _____

2400 Ansys Drive, Suite 403 Canonsburg, PA 15317 T: 724.514.5100 F: 724.514.5101

To:

Shawn McWilliams/Mike Lichte, PE
Civil Engineer
Allegheny County Sanitary Authority
3300 Preble Avenue
Pittsburgh, PA 15233

Date:

January 14, 2021

Project No.

250101501

Re:

North Shore Lot 10- Parking
Garage
Sewage Facilities Planning
Module

Phone No:

412-766-4810

Via:

- Fed Ex: Priority Standard 2-Day
- UPS: Priority Standard 2-Day
- 1st Class Mail Electronic Hand Delivery

Items:

- Prints Letter Other
- Sepia Drawings Reports
- Other **Sewage Facilities Planning Module**

Copies:

Dwg. No.:

Description:

Copies:	Dwg. No.:	Description:
1		Sewage Facilities Planning Module for North Shore Lot 10 Parking Garage

RECEIVED
01/21/2021

- For Your Information
- For Your Use
- As Requested By: _____
- For Review and Comment
- For Approval
- Other: _____

Remarks:

Please find enclosed the revised Sewage Facilities Planning Module to be reviewed and approved by ALCOSAN for the North Shore Lot 10 Parking Garage. We ask that you please review the module and complete the appropriate sections of the module, and return to my attention when complete. If you have any questions or comments, please feel free to contact me at 724-514-5167, or email me at slevit@langan.com.

Copies To:

Mike Hudec (Continental)
Bill Hilderhoff (Continental)
Scott Rowland (Langan)

From:

Scott Levit, P.E.
Project Engineer



January 25, 2021

Members of the Board

Corey O'Connor
Chair Person

Rep. Harry Readshaw
Sylvia C. Wilson
Shannah Tharp-Gilliam, Ph.D.
Jack Shea
John Weinstein
Brenda L. Smith

Aretta Scott Williams
Executive Director

William H. Inks, CPA
*Director
Finance & Administration*

Jan M. Oliver
*Director
Regional Conveyance*

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

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

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

Jeanne K. Clark
*Director
Governmental Affairs*

Joseph Vallarian
*Director
Communications*

Mr. Scott Levit, P.E.
Langan Engineering
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

**Re: North Shore Lot 10 Parking Garage
City of Pittsburgh, 22nd Ward – Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Downshaft Structure A-46-00**

Dear Mr. Levit:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 22nd Ward. The total subdivided project area will generate a peak flow of 300 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity at the A-46-00 Downshaft Structure is approximately 5.44 MGD. The estimated peak dry weather flow is approximately 0.430 MGD. Dry weather capacity exists for this connection. However, the Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

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

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Shawn P. McWilliams, EIT
Civil Engineer

Attachment

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

APPENDIX D

Alternative Sewage Facilities Analysis

SECTION H SEWAGE FACILITIES PLANNING MODULE COMPONENT 3

**Re: Alternative Sewage Facilities Analysis
North Shore Lot 10 Project
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250101501**

The project is located in the North Shore neighborhood of the City of Pittsburgh, Allegheny, County, Pennsylvania. Continental Development, Inc. and its development partners (collectively "the Developer") are proposing the construction of a parking garage in Pittsburgh's North Shore. The proposed ±445 space parking garage will consist of 5 stories with flexible retail space fronting on West General Robinson Street on the ground floor. The flexible retail space will be designated for temporary activities such as vendor and merchandise sales during sporting events or covered seating. The flexible retail space is located along West General Robinson Street on the north side of the proposed parking garage.

The existing site is a surface parking lot with minimal landscaping areas, located within parcel 8-K-35. The site is generally bound by North Shore Drive to the south, parcel 8-K-2 to the west, Mazerowski Way to the east, and West General Robinson Street to the north. The surrounding area is mostly urban hardscape consisting of concrete and asphalt pavement, buildings, and roads.

This space will not have water nor sanitary drains; except there will be a hose bib to clean concrete floors. Given that retail space peak sewer discharge was estimated using public toilets, urinals, and sink, which will not be provided in the flexible retail space, we have estimated the flows using an alternate methodology identified in Appendix C.

The anticipated average water consumption calculation for the retail space in the proposed garage is based on current water consumption from other developments within the North Shore. An average demand for the retail space has been computed based on the number of employees, to be working in the retail space, provided by the Developer. The total anticipated average water consumption for the proposed development is 300 gallons per day, or 1 EDU. The proposed sanitary flow for the parking garage is expected to be the same as the anticipated average water consumption for the parking garage (300 gallons per day total).

The proposed project includes one sanitary, which will connect into an existing sanitary lateral, which is currently stubbed on-site before connecting into the 12-inch PWSA sewer in West General Robinson Street. The existing 12-inch PWSA sewer is ultimately conveyed to the Allegheny County Sanitary Authority (ALCOSAN) Wastewater Treatment Facility in Pittsburgh, PA. The proposed project also includes a 1.5-inch domestic service line to connect from the parking garage to the 12-inch PWSA water main in West General Robinson Street. The existing

municipal system is expected to meet the proposed demands for water, sanitary sewer, and storm sewer services for the development.

Alternative methods of sewage disposal that could be considered include on-site subsurface disposal systems (septic systems) and an individual package wastewater treatment plant. The existing developments in the area are all currently connected to the public sewer system; therefore, an on-site septic system would not be consistent with the neighboring buildings, nor would it be a practical solution to provide adequate service for the site. The nearest discharge point from the site for a stream discharge is the Allegheny River, approximately 0.14 miles south of the site. A package wastewater treatment plant with discharge to the Allegheny River is not feasible due to the size and cost of the site.

APPENDIX E

Public Notice

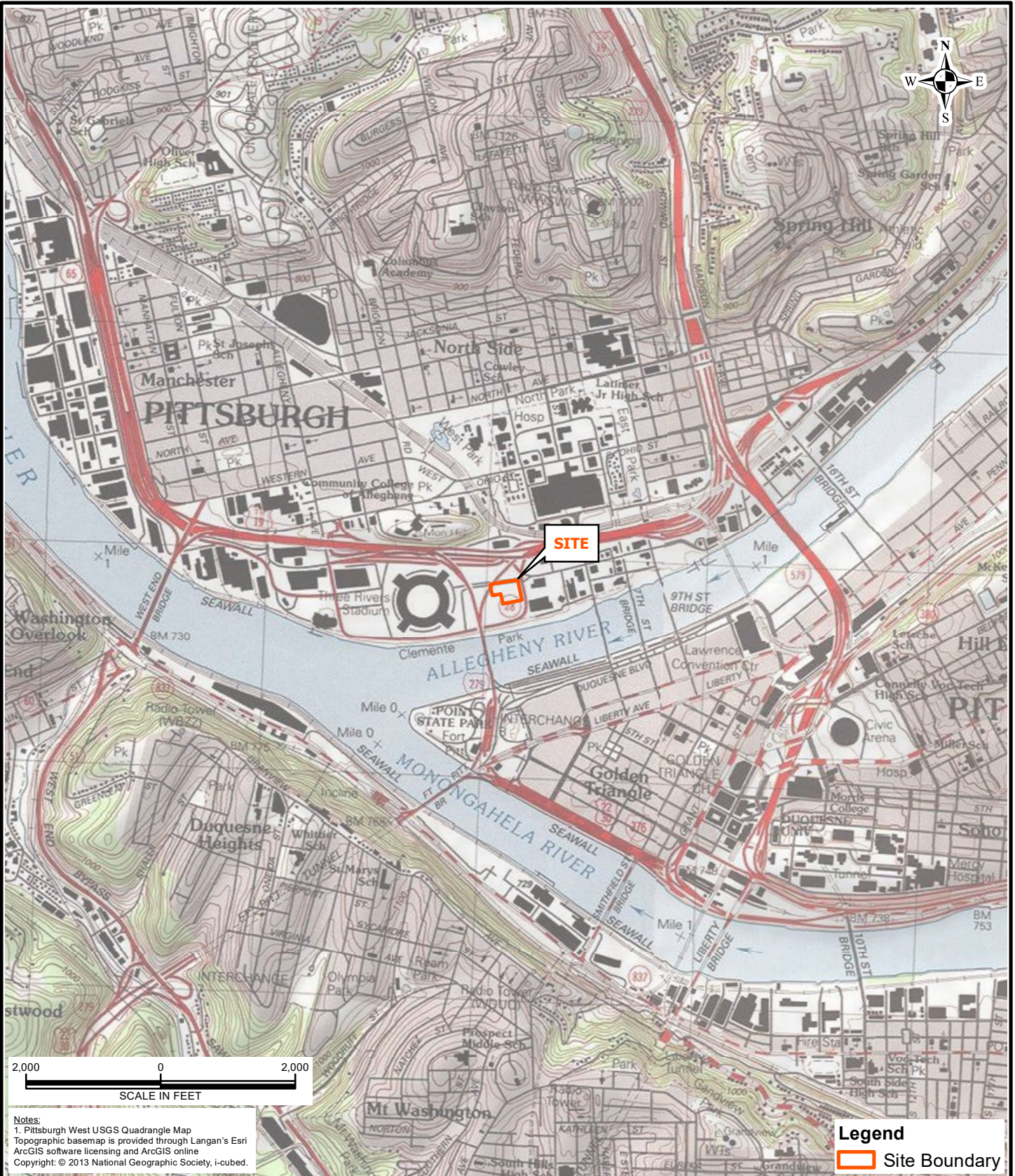
**SECTION P
SEWAGE FACILITIES PLANNING
MODULE COMPONENT 3**

**Re: Public Notice
North Shore Lot 10 Project
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250101501**


A public notification is not required for this project since no items in Section P of Component 3 (Appendix C) were applicable to this project.

APPENDIX F

USGS Map and Plot Plans



Notes:
 1. Pittsburgh West USGS Quadrangle Map
 Topographic basemap is provided through Langan's Esri
 ArcGIS software licensing and ArcGIS online
 Copyright: © 2013 National Geographic Society, i-cubed.

Legend
 Site Boundary

LANGAN
 2400 Ansys Drive, Suite 403
 Canonsburg, PA 15317
 T: 724.514.5100 F: 724.514.5101 www.langan.com

Langan Engineering & Environmental Services, Inc.
 Langan Engineering, Environmental, Surveying,
 Landscape Architecture and Geology, D.P.C.
 Langan International LLC
 Collectively known as Langan

Project
**218 N
 SHORE DRIVE**
 PITTSBURGH
 LOT: 8-K-35
 ALLEGHENY COUNTY PA

Drawing Title
**SITE
 LOCATION
 MAP**

Project No.
 250101501
 Date
 12/4/2019
 Scale
 1" = 2,000'
 Drawn By
 BLA

Figure
1

APPENDIX G

Cultural Resource Notice

**SECTION G
SEWAGE FACILITIES PLANNING
MODULE COMPONENT 3**

**Re: Cultural Resources Notice (CRN)
North Shore Lot 10 Project
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250101501**

Per DEP Document #0120-PM-PY0003a – Section F, a Cultural Resource Notice is not required for this project because the project area is less than 10 acres.

APPENDIX H

PNDI

1. PROJECT INFORMATION

Project Name: **North Shore Lot 10**

Date of Review: **12/10/2019 09:38:44 AM**

Project Category: **Development, New commercial/industrial development (store, gas station, factory)**

Project Area: **4.55 acres**

County(s): **Allegheny**

Township/Municipality(s): **PITTSBURGH**

ZIP Code: **15212**

Quadrangle Name(s): **PITTSBURGH WEST**

Watersheds HUC 8: **Lower Allegheny**

Watersheds HUC 12: **Allegheny River-Ohio River**

Decimal Degrees: **40.447136, -80.008278**

Degrees Minutes Seconds: **40° 26' 49.6904" N, 80° 0' 29.8022" W**

This is a draft receipt for information only. It has not been submitted to jurisdictional agencies for review.

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response

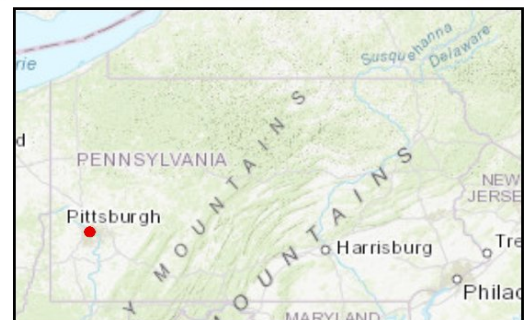
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

North Shore Lot 10

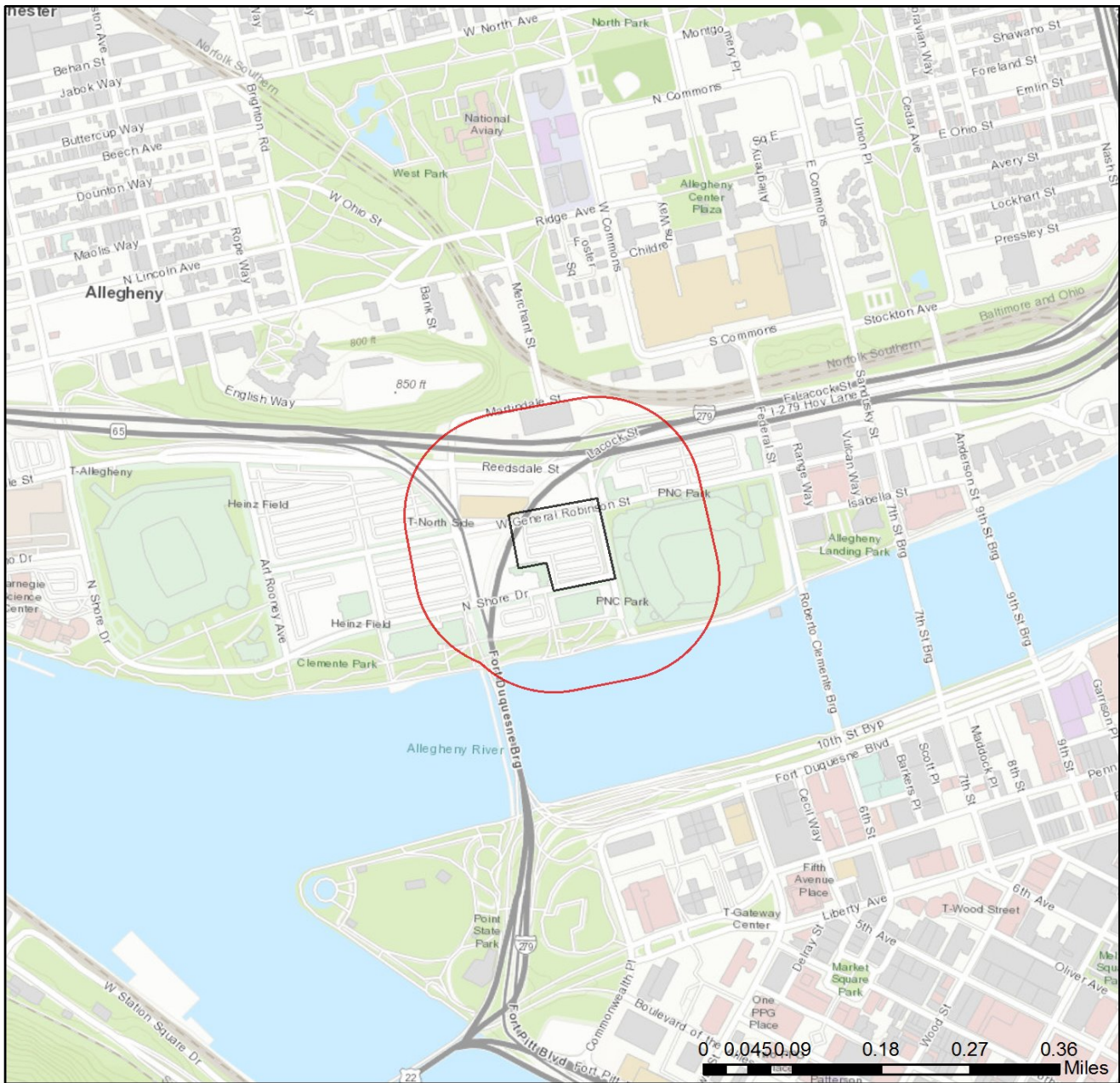


- Project Boundary
- Buffered Project Boundary

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

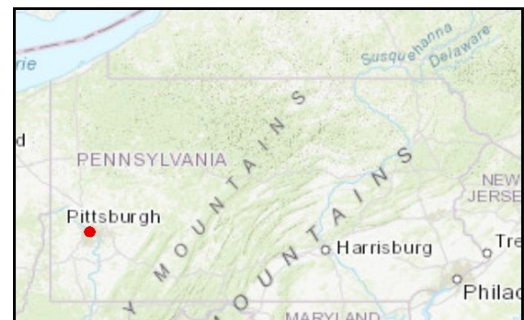


North Shore Lot 10



- Project Boundary
- Buffered Project Boundary

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



RESPONSE TO QUESTION(S) ASKED

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

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

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

Your answer is: No

3. AGENCY COMMENTS

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

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

PA Game Commission

RESPONSE:

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

PA Department of Conservation and Natural Resources

RESPONSE:

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

PA Fish and Boat Commission

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

PFBC Species: (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name	Common Name	Current Status
Leptodea fragilis	Fragile Papershell	Special Concern Species*
Quadrula quadrula	Mapleleaf	Special Concern Species*
Sensitive Species**		Endangered

U.S. Fish and Wildlife Service

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

***Note:** U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

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

5. ADDITIONAL INFORMATION

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

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





Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
595 E Rolling Ridge Dr.
Bellefonte, PA 16823
814-359-5237

June 30, 2020

IN REPLY REFER TO
SIR# 52866

Langan
Nathaniel King
2400 Ansys Drive
Canonsburg, Pennsylvania 15317

RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 699293_1
North Shore Lot 10
ALLEGHENY County: Pittsburgh City

Dear Nathaniel King :

This responds to your inquiry about a Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search “potential conflict” or a threatened and endangered species impact review. These projects are screened for potential conflicts with rare, candidate, threatened or endangered species under Pennsylvania Fish & Boat Commission jurisdiction (fish, reptiles, amphibians, aquatic invertebrates only) using the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files. These species of special concern are listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, and the Pennsylvania Fish & Boat Code (Chapter 75), or the Wildlife Code.

An element occurrence of a rare, candidate, threatened, or endangered species under our jurisdiction is known from the vicinity of the proposed project. However, given the nature of the proposed project, the immediate location, or the current status of the nearby element occurrence(s), no adverse impacts are expected to the species of special concern.

This response represents the most up-to-date summary of the PNDI data and our files and is valid for two (2) years from the date of this letter. An absence of recorded species information does not necessarily imply species absence. Our data files and the PNDI system are continuously being updated with species occurrence information. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered, and consultation shall be re-initiated.

Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.

If you have any questions regarding this review, please contact Nevin Welte at 412-586-2334 and refer to the SIR # 52866. Thank you for your cooperation and attention to this important matter of species conservation and habitat protection.

Sincerely,

A handwritten signature in black ink that reads "Christopher A. Urban". The signature is written in a cursive style with a large, prominent initial "C".

Christopher A. Urban, Chief
Natural Diversity Section

CAU/NTW/dn

PNDI # _____ USFWS Project # _____

U.S. FISH AND WILDLIFE SERVICE
110 Radnor Road, Suite 101, State College, PA 16801

This responds to your inquiry about a PNDI Internet Database search that resulted in a potential conflict with a federally listed, proposed or candidate species.

PROJECT LOCATION INFORMATION

County: _____
Township: _____

MISC INFORMATION

Date received by FWS: _____
 ACTIVE ARCHIVE

USFWS COMMENTS

EMAILED MAILED

Email: _____

To: _____

Affiliation: _____

SPECIFIC PROJECT: _____

FISH AND WILDLIFE SERVICE COMMENT(s):

_____ ***NOT LIKELY TO ADVERSELY AFFECT***

The federally listed _____ occurs or may occur in or near the project area. However, based on our review of the information provided, including the project description and location (_____),

no adverse effects to this species are likely to occur. If there is any change in the location, scale, scope, layout or design of the project, further consultation or coordination with the Service will be necessary.

The above determination is valid for two years from the date of this letter. In addition, this response relates only to federally listed, proposed, and candidate species under our jurisdiction, based on an office review of the proposed project's location and anticipated impacts. No field inspection of the project area has been conducted by this office. Consequently, comments on this form are not to be construed as addressing other Service concerns under the Fish and Wildlife Coordination Act or other authorities. *Please reference the above PNDI # and USFWS Project # in any future correspondence regarding this project.*

This review was conducted by the biologist listed below. He/she can be contacted at 814-206-(Extension).

Melinda Turner (x7449)
Richard Novak (x7477)

Nicole Ranalli (x7455)
Alison Whitlock (x7461)

Jennifer Kagel (x7451)
Pamela Shellenberger (x7459)

SIGNATURE: _____

Supervisor, Pennsylvania Field Office

APPENDIX I
PREVIOUSLY APPROVED SEWAGE
FACILITIES PLANNING
MODULE



Pennsylvania Department of Environmental Protection

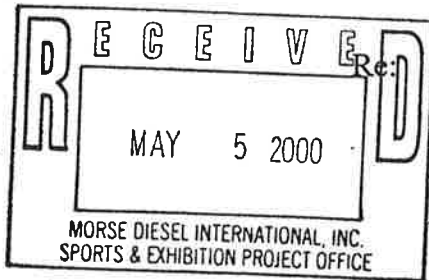
400 Waterfront Drive
Pittsburgh, PA 15222-4745
April 19, 2000

Southwest Regional Office

412-442-4000
Fax 412-442-4328

CC: LAW/SFW
SCAN/PF
JAS
S. KRAMER
KBT
CAD
C. MEYERS - M.D.

Don Waldorf
The Pittsburgh Water and Sewer Authority
441 Smithfield Street
Second Floor
Pittsburgh, PA 15222



Re: Planning Module for New Land Development
North Short Infrastructure Project
DEP Code No. 02001-99-012
City of Pittsburgh
Allegheny County

Dear Mr. Waldorf:

The Department of Environmental Protection (Department) has reviewed the proposed Official Plan revision submitted for the North Short Infrastructure Project. The proposed development is located in the City of Pittsburgh.

The plan revision is approved with the following conditions:

The approved project will require a Clean Streams Law (CSL) permit for the construction and operation of the proposed sewerage facilities. Approval of this planning module is only approval of the preliminary concept of the proposed project and does not assure that a permit application will be acted upon favorably by the Department. Issuance of a CSL permit will be based upon a technical evaluation of the permit application and supporting information. Starting construction prior to obtaining a permit is a violation of The Clean Streams Law

Instructions and applications may be obtained from the Department's Southwest Regional Office, Water Management Program, at the letterhead address.

Please note the Department has a fee schedule for PMC reviews. This fee schedule applies to most projects that require planning. A separate letter has been sent to the developer of this project assessing the appropriate fee for review of the PMC.

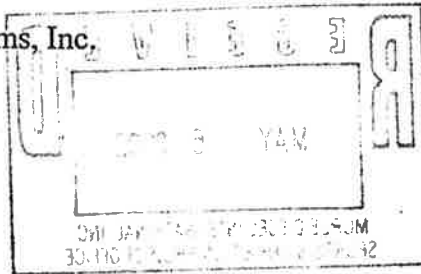
April 19, 2000

If you have any questions concerning this matter, please call me at 412-442-4047.

Sincerely,

Thomas E. Flanagan
Sewage Facilities Planning Specialist
Water Management

- cc: Allegheny County Health Department
- ALCOSAN
- Linda M. Johnson Wasler, City of Pittsburgh
- Steven Kramer, Michael Baker, Jr., Inc.
- Bruce Chambers, Advanced Technology Systems, Inc.



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TABLE IV

ITEM #	Block Number	Total Area (SQ FT)	Number of Units	Population	Factor for Commercial Appendix B	Per Capital Flow GDP	Unit for Total Population	EDU	Total GPD	Total Flow cfs	Peak Fac = 2.8 Peak Flow cfs		
	Sewer @ W. General Robinson St. Ext.												
1	Entertainment Development	216	100000					51.428571	18000	0.027850122	0.0698253		
2	Office	216	150000	500	1		25	35.714286	12500	0.019340362	0.0483509		
3	Parking Garage	216	200000					17.142857	6000	0.009283374	0.0232084		
4	Support Retail	216	75000					10.714286	3750	0.005802109	0.0145053		
								TOTAL FLOWS FROM BLOCK 216		115	40250	0.062275987	0.1556899
5	Amphitheater	215		6000	1		50	857.14286	300000	0.4641687	1.1604217		
6	Retail	215	75000					10.714286	3750	0.005802109	0.0145053		
7	Office	215	50000	167	1		25	11.928571	4175	0.006459681	0.0161492		
8	Housing	215		300	3		100	257.14286	90000	0.13925061	0.3481265		
								TOTAL FLOWS FROM BLOCK 215		1136.9286	397925	0.6156811	1.5392027
	TOTAL FLOWS FROM BLOCK 216 & 215												
								1251.9286	438175	0.677957067	1.6948927		
	Sewer @ West General Robinson												
9	Retail	201	100000					14.285714	5000	0.007736145	0.0193404		
10	Parking Garage	201	200000					17.142857	6000	0.009283374	0.0232084		
								TOTAL FLOWS FROM BLOCK 201		31.428571	11000	0.017019519	0.0425488
11	Office	202	50000	167	1		25	11.928571	4175	0.006459681	0.0161492		
12	North Shore Hotel	202		300	2		100	171.42857	60000	0.09283374	0.2320843		
13	Hotel Parking	202	100000					8.5714286	3000	0.004641687	0.0116042		
14	Retail	202	85000					12.142857	4250	0.006575723	0.0164393		
15	Housing	202		300	3		100	257.14286	90000	0.13925061	0.3481265		
								TOTAL FLOWS FROM BLOCK 202		461.21429	161425	0.249761441	0.6244036
	TOTAL FLOWS FROM BLOCK 201 & 202												
								492.84286	172425	0.26678098	0.6669524		
	Sewer Receiving Flows From General Robinson Street												
	TOTAL												
								1744.5714	610600	0.944738027	2.3618451		
	Potential Development North of Reedsdale												
16	Clark Building	211	210600	702	1		25	50.142857	17550	0.027153869	0.0678847		
17	New building	211	210600	702	1		25	50.142857	17550	0.027153869	0.0678847		
17	New building	211	210600	702	1		25	50.142857	17550	0.027153869	0.0678847		
	TOTAL FLOWS FROM BLOCK 211												
								150.42857	52650	0.081461607	0.203854		
	Sewer Receiving Flows From West General Robinson Street (New)												
	TOTAL PROJECT												
								1895	663250	1.026199834	2.5654991		

FLOW CALCULATION CHART

PREPARED BY: DDG
 DATE PREPARED: 9/21/99
 CHECKED BY: BRC
 DATE CHECKED: 12/13/99

APPENDIX J

Component 4A



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:

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

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

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

Project Name

North Shore Lot 10 Parking Garage

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

1. Date plan received by municipal planning agency December 4, 20202. Date review completed by agency December 9, 2020

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

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

SECTION C. AGENCY REVIEW (continued)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____
17. Name, title and signature of planning agency staff member completing this section: Name: <u>Martina Battistone</u> Title: <u>Senior Environmental Planner</u> Signature: <u>Martina Wolf Battistone</u> Date: <u>December 9, 2020</u> Name of Municipal Planning Agency: <u>City of Pittsburgh Department of City Planning</u> Address <u>200 Ross Street 4th Floor Pittsburgh, PA 15219</u> Telephone Number: <u>(412) 255-2516</u>		

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

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

The planning agency must complete this component within 60 days.

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

APPENDIX K

Component 4C



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

North Shore Lot 10

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

1. Date plan received by county or joint county health department December 8, 2020

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency December 9, 2020

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

Yes No

1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?

If no, what are the inconsistencies? _____

2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?

If yes, describe _____

3. Is there any known groundwater degradation in the area of this proposal?

If yes, describe _____

4. The county or joint county health department recommendation concerning this proposed plan is as follows: ACHD recommends approval. See attached letter.

5. Name, title and signature of person completing this section:

Name: Freddie Fields

Title: Environmental Health Engineer III

Signature: Freddie Fields

Date: December 9, 2020

Name of County Health Department: ACHD

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

Telephone Number: 412-578-8046

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

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

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

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

APPENDIX L

Completeness Checklist

Checklist



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

Completeness Checklist

The individual completing the component should use the checklist below to assure that all items are included in the module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist.

Sewage Collection and Treatment Facilities

- Name and Address of land development project.
- U.S.G.S. 7.5 minute topographic map with development area plotted.
- Project Narrative.
- Letter from water company (if applicable).
- Alternative Analysis Narrative.
- Details of chosen financial assurance method.
- Proof of Public Notification (if applicable).
- Name of existing collection and conveyance facilities.
- Name and NPDES number of existing treatment facility to serve proposed development.
- Plot plan of project with required information.
- Total sewage flows to facilities table.
- Signature of existing collection and/or conveyance Chapter 94 report preparer.
- Signature of existing treatment facility Chapter 94 report preparer.
- Letter granting allocation to project (if applicable).
- Signature acknowledging False Swearing Statement.
- Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- Information on selected treatment and disposal option.
- Permeability information (if applicable).
- Preliminary hydrogeology (if applicable).
- Detailed hydrogeology (if applicable).

Municipal Action

- Component 3 (Sewage Collection and Treatment Facilities).
- Component 4 (Planning Agency Comments and Responses).
- Proof of Public Notification.
- Long-term operation and maintenance option selection.
- Comments, and responses to comments generated by public notification.
- Transmittal Letter

Signature of Municipal Official

Date submittal determined complete