DEP Code No. 02001-19-025

SEWAGE FACILITIES PLANNING MODULE

for

1717 LOCUST STREET
1717/1719 Locust Street
City of Pittsburgh
Allegheny County, Pennsylvania

Prepared For:

1717 Locust, LLC
213 Smithfield Street, Floor 2
Pittsburgh, PA 15219

Prepared By:

Langan Engineering and Environmental Services, Inc.
2400 Ansys Drive, Suite 403
Canonsburg, Pennsylvania 15317

August, 2019
250088701

LANGAN

TABLE OF CONTENTS

APPENDIX A

Transmittal Letter and Correspondence

3850-FM-BCW0355 Rev. 5/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

TRANSMITTAL LETTER FOR SEWAGE FACILITIES PLANNING MODULE

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE # 02001-19-025	CLIENT ID # 76778	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 1717 Locust Street *(Name)*

a subdivision, commercial ,or industrial facility located in the City of Pittsburgh, 1st Ward

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.

☐ Resolution of Adoption
☐ Module Completeness Checklist
☐ 2 Individual and Community Onlot Disposal of Sewage
☐ 3 Sewage Collection/Treatment Facilities
☐ 3s Small Flow Treatment Facilities
☐ 4A Municipal Planning Agency Review
☐ 4B County Planning Agency Review
☐ 4C County or Joint Health Department Review

Municipal Secretary (print) *Signature* *Date*

CORRESPONDENCE

PITTSBURGH WATER AND SEWER AUTHORITY

WATER AND SEWER AVAILABILITY LETTER REQUEST FORM

All persons planning to perform construction, demolition, or renovation work that will involve water and/or sewer services are recommended to complete this form and submit to PWSA. PWSA will review the request and reply to indicate if PWSA-owned water and/or sewer utilities are present at the site of the proposed work.

This request form is **required** for all of the following types of development. (Please note that the term "sewer" refers to sanitary sewers, combined sewers, and storm sewers.)

1. New water and/or sewer tap(s) for all approved/recorded subdivisions.
2. Change of Use and/or increase in water and/or sewer flows for residential development(s), commercial, industrial and institutional developments (i.e. total project sanitary flow is greater than 799 gallons per day).
3. New water and/or sewer tap(s) for all residential, commercial, industrial, and institutional developments.

Information to be submitted by the Applicant:

Property Owner Name:	McAllister Equities (Michael McAllister)
Address of Property:	1717/1719 Locust Street, Pittsburgh, PA 15219
Proposed Use of Site:	Residential
Closest street intersection to the property:	Locust Street and Miltenberger Street

Requestor Name:	Langan	Date of Request:	05/XX/2019
Requestor Address:	2400 Ansys Drive, Canonsburg, PA 15317		
Requestor Phone Number:	724-514-5100		

Please submit the completed form to:

Pittsburgh Water and Sewer Authority
1200 Penn Avenue
Pittsburgh, PA 15222
Attn: Permits
(permitinfo@pgh2o.com)

PWSA Use Only:

PWSA Water Service Available: ☑ Yes ☐ No — Water Size / Location: 6" Locust Street

PWSA Sewer Service Available: ☑ Yes ☐ No — Sewer Size / Location: 15" Locust Street

Applicant must contact separate agency for water and/or sewer service: ☐ Yes ☑ No

Name of separate agency:

PWSA Approval Authority:

Signature and Date: Wendy M. Dean 5-29-19

Name (printed): Wendy M. Dean

Title: Engineering Tech II

Disclaimer: The information provided by PWSA does not guarantee capacity of the PWSA-owned water and/or sewer lines to satisfy the needs of the proposed development. The permit application process required by PWSA evaluates the water demand and sewer flows of the development, as provided by the Applicant, and renders a decision on the capacity of the PWSA facilities.

PGH2O Pittsburgh Water & Sewer Authority

May 29, 2019

Langan Engineering
Rob Gehris
2400 Ansys Drive
Canonsburg, PA 15317

RE: Water and Sewer Availability
1717/1719 Locust Street

Dear Mr. Gehris:

In response to your inquiry on 05/29/2019 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

We wish to advise you that, if it is your desire to tap our water and sewer mains for service, your plans and Water and Sewer Use Application must be approved by the Authority, complete with detail showing the type of connection, meter, and backflow device before any work is performed.

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

If you plan to make modifications to the water or sewer system, please submit design drawings to The Pittsburgh Water and Sewer Authority for approval.

Refer to the Pittsburgh Water and Sewer Authority (PWSA) website (www.pgh2o.com) for the complete "Procedure Manual for Developers". All tap in plans and applications must be submitted according to the manual.

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

Sincerely,

Wendy M. Dean
Engineering Tech II

cc: PWSA File

1717 - 1719 Locust Street - Sewer

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

Feet
0 37.5 75

PGH2O

Date: 5/23/2019

1717 - 1719 Locust Street -Water

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

Feet
0 37.5 75

PGH2O

Date: 5/23/2019

Pittsburgh Water & Sewer Authority

August 23, 2019

Mr. Nathaniel King
Langan
2400 Ansys Drive
Canonsburg, PA 15317

Subject: Water and Sewer (W/S) Use Approval Letter
1717 Locust Street Development
Submitted: July 30, 2019

Dear Mr. King:

Pursuant to your request, we have reviewed the Water and Sewer Use Application for the 1717 Locust Street Development (Project) located at 1717 Locust Street, Pittsburgh, PA . We agree that the Project will result in the following flows:

Total Water Consumption, gpd:	1,500
Total Sanitary Flows, gpd:	1,500
Total Storm Flows, cfs:	0.46

Please be advised that this W/S Use Approval Letter is intended for PWSA purposes only. The Pennsylvania Department of Environmental Protection (PaDEP) is the governing body that makes the final determination on whether sewage facilities planning is required. The PWSA shall send a separate letter to the PaDEP for final review/approval. In the event that sewage facilities planning are required, we have enclosed for your use the location of the most limited capacity sewer.

Our review was based on information provided by your firm 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 x5532 or RHerring@pgh2o.com.

Sincerely,

Robert Herring, P.E.
Engineering Consultant

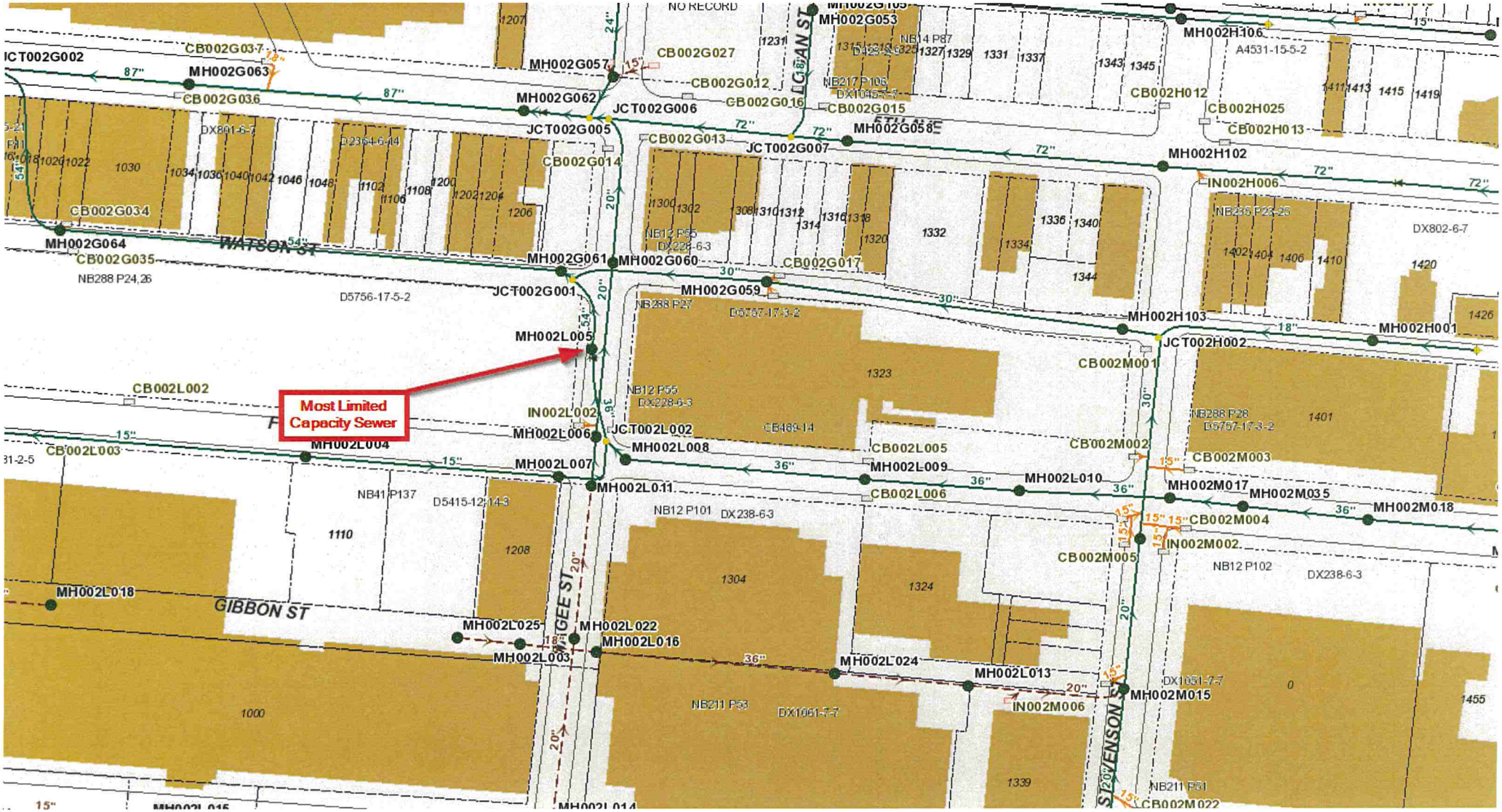
Enclosure
cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Julie Asciolla – PWSA (via email)
Thomas Flanagan – DEP (via email)
Regis Ryan – DEP (via email)
eBuilder File (via email)

Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh PA 15222

info@pgh2o.com
T 412.255.2423
F 412.255.2475

www.pgh2o.com
@pgh2o

Customer Service /
Emergencies:
412.255.2423


Most Limited Capacity Sewer
WATSON ST
GIBBON ST
MH002G064
MH002G063
MH002G062
MH002G061
MH002G060
MH002G059
MH002G058
MH002G057
MH002G053
MH002H106
MH002H102
MH002H103
MH002H001
MH002L005
MH002L004
MH002L007
MH002L011
MH002L018
MH002L025
MH002L022
MH002L016
MH002L003
MH002L024
MH002L013
MH002M015
JCT002G001
JCT002G005
JCT002G006
JCT002G007
JCT002H002
JCT002L002
CB002G034
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CB002G037
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CB002G017
CB002H012
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CB002M022
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IN002H006
IN002M002
IN002M006
MH002M017
MH002M035
MH002M018
MH002L010
MH002L009
MH002L008
MH002L006
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NB288 P24,26
D5756-17-5-2
NB288 P27
D5757-17-3-2
NB12 P55
DX228-6-3
NB12 P101
DX238-6-3
NB12 P102
NB41 P137
D5415-12-14-3
NB211 P53
DX1061-7-7
NB211 P51
NB14 P87
NB217 P105
NB235 P23-25
DX802-6-7
DX801-6-7
D2364-6-14
A4531-15-5-2
CB489-14
1323
1324
1304
1208
1110
1000
1339
1401
1420
1426
1455

DEP Sewage Facilities Planning Module
Chapter 94 Consistency Determination
Hydraulically Limited Sewer Calculation Spreadsheet

LEGEND: Input Data | Output Data | Hydraulically Limited Sewer

PROJECT NAME: 1717 Locust Street Development
PROJECT LOCATION: 1717 Locust Street, Pittsburgh, PA 15219
ALCOSAN INTERCEPTOR: Monongahela
PWSA REVIEWER: Robert Herring, P.E.
DATE: August 22, 2019

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpm
MH011J017	MH011J019	807.20	803.74	289.00	15	VCP	0.016	1.23	3.927	1.20%	3,721,724
MH011J019	MH011J020	803.74	801.09	46.47	15	VCP	0.016	1.23	3.927	5.70%	8,122,536
MH011J020	JCT011J005	801.09	799.05	147.04	18	VCP	0.016	1.77	4.712	1.39%	6,514,819
JCT011J005	JCT002M003	799.05	794.42	397.23	36	BR	0.015	7.07	9.425	1.17%	40,443,607
JCT002M003	MH002M029	794.42	793.04	34.63	36	BR	0.015	7.07	9.425	3.98%	74,781,420
MH002M029	MH002M030	793.04	790.00	136.96	36	BR	0.015	7.07	9.425	2.22%	55,811,067
MH002M030	MH002M020	795.95	788.28	254.92	36	BR	0.015	7.07	9.425	3.01%	64,979,466
MH002M020	MH002M018	788.28	784.81	186.53	36	BR	0.015	7.07	9.425	1.86%	51,094,106
MH002M018	MH002M017	784.81	780.48	181.34	36	BR	0.015	7.07	9.425	2.39%	57,886,535
MH002M017	MH002L010	780.48	778.68	137.20	36	BR	0.015	7.07	9.425	1.31%	42,908,132
MH002L010	MH002L009	778.68	776.04	141.08	36	BR	0.015	7.07	9.425	1.87%	51,244,782
MH002L009	MH002L008	776.04	771.33	217.89	36	BR	0.015	7.07	9.425	2.16%	55,077,246
MH002L008	JCT002L002	771.33	770.72	33.76	36	BR	0.015	7.07	9.425	1.81%	50,355,175
JCT002L002	JCT002L006	770.72	769.88	75.97	36	BR	0.015	7.07	9.425	1.11%	39,391,180
JCT002L006	MH002L005	769.88	769.72	8.07	36	BR	0.015	7.07	9.425	1.98%	52,747,713
MH002L005	JCT002G001	769.72	768.82	70.98	54	BR	0.015	15.90	14.137	1.27%	124,368,489
JCT002G001	MH002G061	768.82	768.73	13.34	54	BR	0.015	15.90	14.137	0.67%	90,719,457
MH002G061	JCT002G054	768.73	767.51	118.45	54	BR	0.015	15.90	14.137	1.03%	112,090,675
JCT002G054	MH002G064	767.51	763.02	337.91	54	BR	0.015	15.90	14.137	1.33%	127,315,051
MH002G064	JCT002G002	763.02	761.07	176.93	54	BR	0.015	15.90	14.137	1.10%	115,950,778
JCT002G002	MH002G065	760.64	758.22	82.78	87	BR	0.015	41.28	22.777	2.92%	673,653,732
MH002G065	JCT002G003	758.21	756.68	77.46	87	BR	0.015	41.28	22.777	1.98%	553,730,846
JCT002G003	RD002G001	756.68	756.48	19.69	96	BR	0.015	50.27	25.133	1.02%	516,284,598
RD002G001	MH002F129	756.48	754.32	89.19	96	BR	0.015	50.27	25.133	2.42%	797,197,307
MH002F129	MH002F130	754.15	750.33	298.99	96	BR	0.015	50.27	25.133	1.28%	579,029,085
MH002F130	JCT002F004	750.18	749.38	80.85	96	BR	0.015	50.27	25.133	0.99%	509,567,840
JCT002F004	MH002F126	749.38	748.34	50.30	96	BR	0.015	50.27	25.133	2.07%	736,596,594
MH002F126	MH002F125	748.34	746.61	107.07	96	BR	0.015	50.27	25.133	1.62%	651,157,698
MH002F125	JCT002F006	746.42	745.73	37.30	96	BR	0.015	50.27	25.133	1.85%	696,734,248
JCT002F006	MH002F122	745.73	742.88	155.22	96	BR	0.015	50.27	25.133	1.84%	694,137,679
MH002F122	JCT002F005	742.85	742.43	26.75	96	BR	0.015	50.27	25.133	1.57%	641,888,775
JCT002F005	MH002F120	742.43	741.49	55.49	96	BR	0.015	50.27	25.133	1.69%	666,735,521
MH002F120	JCT002K002	741.34	739.37	141.63	96	BR	0.015	50.27	25.133	1.39%	604,160,760
JCT002K002	MH002K048	739.37	738.44	32.20	96	BR	0.015	50.27	25.133	2.89%	870,583,772
MH002K048	MH002K067	738.44	737.09	81.80	72	BR	0.015	28.27	18.850	1.65%	305,574,632
MH002K067	MH002K068	737.09	735.79	78.53	72	BR	0.015	28.27	18.850	1.66%	306,041,937
MH002K068	MH002K047	735.79	732.96	171.17	72	BR	0.015	28.27	18.850	1.65%	305,848,572
MH002K047	JCT002J015	732.96	730.80	95.49	78	RCP	0.014	33.18	20.420	2.26%	474,501,038
JCT002J015	RD002J001	730.80	728.38	193.63	78	RCP	0.014	33.18	20.420	1.25%	352,704,173
RD002J001	MH002J030	728.38	727.79	63.35	94	RCP	0.014	48.19	24.609	0.93%	500,761,122
MH002J030	JCT002J006	727.79	723.20	131.33	94	RCP	0.014	48.19	24.609	3.50%	970,068,222
JCT002J006	JCT002J005	723.20	722.72	17.30	94	RCP	0.014	48.19	24.609	2.77%	864,321,815
JCT002J005	MH002J032	722.72	718.34	115.72	94	RCP	0.014	48.19	24.609	3.78%	1,009,510,290
MH002J032	JCT002J004	718.12	717.70	59.33	94	RCP	0.014	48.19	24.609	0.71%	436,581,550
JCT002J004	JCT002N001	717.70	715.98	35.19	94	RCP	0.014	48.19	24.609	4.89%	1,147,182,458
JCT002N001	MH002N063	715.98	709.79	200.80	94	RCP	0.014	48.19	24.609	3.08%	911,048,249
MH002N063	MH002N062	709.79	706.63	186.14	96	BR	0.015	50.27	25.133	1.70%	667,453,040
MH002N062	ADC002NM05	706.63	703.95	139.21	96	BR	0.015	50.27	25.133	1.93%	710,770,197

Project No.
(PWSA USE ONLY)

THE PITTSBURGH WATER AND SEWER AUTHORITY
ENGINEERING AND CONSTRUCTION DIVISION

WATER AND SEWER USE APPLICATION

(Return completed submittal package to The Pittsburgh Water and Sewer Authority (PWSA), Engineering and Construction Division

This application is used for commercial or residential projects that propose connecting to the PWSA water or sewer system or propose changing the amount of PWSA water consumed and/or flows discharged to the PWSA sewer system.

A. GENERAL INFORMATION

1. Name of Land Development Project 1717 Locust Street
   Location of land development project. *Use landmark or address, if available (e.g., north side of Liberty Ave 75 ft. east of intersection of Liberty Ave and 6th St.)* 1717-1719 Locust Street, Pittsburgh, PA 15219

2. Nature of Development. Check appropriate box and provide total flows.

		Total Water Consumption (gpd)	Total Sanitary Flows (gpd)	Total Storm Flows (cfs)
☒	Residential	1,500	1,500	0.46
☐	Commercial			

3. Acreage of development 0.08 acres

4. Allegheny County Block & Lot Nos. 11-J-172, 11-J-173

5. Ownership of Land Development

Name	Address
Michael McAllister	213 Smithfield St Fl. 2,
1717 Locust, LLC	Pittsburgh, PA 15219

6. Applicant (Subdivider, Developer, or Responsible Project Agent)
   Name Langan
   Address 2400 Ansys Drive, Canonsburg, PA 15317
   Telephone 724-514-5100

B. WASTEWATER AND STORMWATER FACILITIES

Provide information on collection and treatment facilities.

1. **COLLECTION SYSTEM**
   a. Number of proposed connections (sanitary and/or storm) 2
   b. Name of existing collection or conveyance system Locust Street
   c. Name of interceptor Monongahela
   d. Name of treatment facility Allegheny County Sanitary Authority (ALCOSAN)

2. **SITE PLAN (24" x 36" maximum size accepted)**
   The following information is to be submitted on a site plan of the proposed subdivision.
   a. Existing building.
   b. Lot lines and lot sizes.
   c. Remainder of tract.
   d. Orientation to North.
   e. Show proposed sewer line to the point of connection to existing collection system. Including all components (collection & conveyance lines, pumps, etc.)
   f. Existing and proposed right(s)-of-way.
   g. Existing and proposed street, roadway, etc.
   h. Water bodies and wetland areas.

Applicant Signature

07/29/2019
Date

Project No.
(PWSA USE ONLY)

C. FALSE SWEARING STATEMENT (To be completed by individual completing the form)

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

1717 Locust Street
Name of Land Development Project (Same as on Page 1, Section A.1)

Nathaniel King
Name (Print)

Staff Engineer
Title

Nathaniel King
Signature

2400 Ansys Drive, Canonsburg, PA 15317
Address

724-514-5129
Telephone Number

07/29/2019
Date

D. CHAPTER 94 CONSISTENCY (See PA Department of Environmental Protection Current Regulations)

The following certification is to be completed by the Pittsburgh Water and Sewer Authority agent and agency responsible for completing the (DEP) Chapter 94 report for the collection, conveyance, and treatment facilities.

Shall require Planning module approval.

I/we certify that the sewerage facilities proposed to serve the new land development described in this Planning Module are in compliance with the provisions of DEP Chapter 94, Municipal Wasteload Management and have adequate capacity to serve the sewage flows to be generated by this development, without creation of an overload or projected overload.

Collection System

Signature of Responsible Agent — Date
Pittsburgh Water and Sewer Authority

8/23/2019

Conveyance and Treatment

Signature of Responsible Agent — Date
ALCOSAN

E. PLANNING AGENCY REVIEW

City of Pittsburgh Municipal Planning Agency

This development/project has been reviewed and:

☐ is consistent
☐ is not consistent (objections attached)

with programs of planning for the area of the proposed development administered by this planning agency under the municipalities Planning Code (53 P.S. § 10101-11202).

City of Pittsburgh
Department of City Planning — Zoning Administrator — Date

Stormwater Management

This development/project has been reviewed and:

☐ is consistent
☐ is not consistent (objections attached)

With programs of planning for the area of the proposed development administered by this planning agency under the current City of Pittsburgh storm water management regulations.

City of Pittsburgh
Department of City Planning — Environmental Planner — Date

County or Joint County Health Department

This development/project has been reviewed and:

☐ approval is recommended
☐ approval is not recommended (objections attached)

Allegheny County Health
Department — Signature of Responsible Agent — Date

PGH2O Pittsburgh Water & Sewer Authority

November 5, 2019

Mr. Thomas Flanagan
PA Department of Environmental Protection
Clean Water Program
400 Waterfront Drive
Pittsburgh, PA 15222

Subject: Pennsylvania Department of Environmental Protection (PaDEP)
Sewage Facilities Planning Module – Component 3 Form
Tap Allocation Authorization Letter

Dear Mr. Flanagan:

Please be advised that the Pittsburgh Water and Sewer Authority (PWSA) authorizes the sewer taps associated with the following Project:

Project Name:	1717 Locust Street
Project Address:	1717 Locust Street Pittsburgh, PA 15219
Proposed Flow, gpd:	**1,500**
EDU's, 400gpd/EDU:	**3.75**

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 412-255-8800 x5532 or RHerring@pgh2o.com.

Sincerely,

Robert Herring, P.E.
Consultant - Engineering

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Julie Asciolla – PWSA (via email)
Langan - Applicant (via email)
Regis Ryan – PaDEP (via email)
eBuilder File (via email)

PGH2O Pittsburgh Water & Sewer Authority

November 5, 2019

Mr. Nathaniel King
Langan
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

Subject: Pennsylvania Department of Environmental Protection (PaDEP)
Sewage Facilities Planning Module (SFPM) – Component 3 Form
Chapter 94 Consistency Determination
1717 Locust Street

Dear Mr. King:

Pursuant to your request, we have reviewed the DEP Sewage Facilities Planning Module for the 1717 Locust Street Development (Project) located at 1717 Locust Street, Pittsburgh, PA 15219. We have determined that the proposed 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). Please refer to the enclosed and approved "Section J – Chapter 94 Consistency Determination". A copy of the DEP-approved Sewage Facilities Planning Module shall be provided to the PWSA prior to the issuance of the Tap-In Permit for connection to the existing waterline and/or sewerline.

Please be advised that the Sewage Facilities Planning Module shall not be considered complete by the DEP until approved by the Allegheny County Sanitary Authority (ALCOSAN) and Pittsburgh City Council (Council). For additional information, please contact Michael Lichte (412-734-6209) at ALCOSAN or Leslie Stevens (412-255-2005) at the City of Pittsburgh Law Department. Please note that a City Resolution shall be requested prior to Council approval.

Our review was based on information provided by your firm 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 x5532 or RHerring@pgh2o.com.

Sincerely,

Robert Herring, P.E.
Engineering Consultant

Enclosures

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Julie Asciolla – PWSA (via email)
Thomas Flanagan – DEP (via email)
Leslie Stevens – City of Pittsburgh Law Department (via email)
Michael Lichte, P.E. – ALCOSAN (via email)
eBuilder File (via email)

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PGH2O Pittsburgh Water & Sewer Authority

MEMO

To: Barry King, P.E.

From: Robert Herring, P.E.

Date: November 4, 2019

Subject: DEP Sewage Facilities Planning Module – Component 3

Chapter 94 Consistency Determination

Hydraulic Calculation Review

1717 Locust Street Development

Dear Barry,

Pursuant to your request, we have reviewed the DEP Sewage Facilities Planning Module – Component 3 as submitted by Langan (Applicant) for the 1717 Locust Street Development (Project) located at 1717 Locust Street, Pittsburgh, PA 15219. In accordance with Title 25 of the Pennsylvania Code, the Pittsburgh Water and Sewer Authority (PWSA) is required to prepare an annual Wasteload Management Report on the collection and conveyance of wastewater relative to available capacity. Our review was conducted to understand how the proposed 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 denial of the Sewage Planning Module and submission of a Corrective Action Plan to the PaDEP.

Based on the foregoing, we have determined that the proposed Project will not contribute to a dry-weather hydraulic overload within the next five years. Please refer to the enclosed hydraulic calculations for the proposed tie-in location. Upon your approval, please sign the enclosed "Section J - Chapter 94 Consistency Determination" from the DEP Sewage Facilities Planning Module – Component 3, as indicated.

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.

Yours truly,

Robert Herring, P.E.
Engineering Consultant

Enclosures

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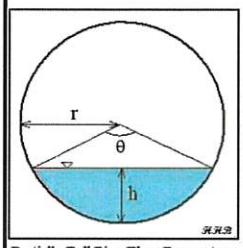
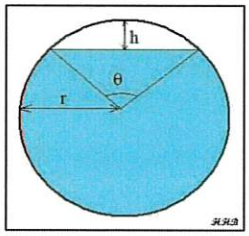
DEP Sewage Factilities Planning Module
Chapter 94 Consistency Determination
Hydraulic Calculations Review

LEGEND:	Input Data / Output Data
PROJECT NAME:	1717 Locust Street
PROJECT LOCATION:	1717 Locust Street, Pittsburgh, PA 15219
TIE-IN LOCATION:	Locust Street - 15" VCP
PWSA REVIEWER:	Robert Herring, P.E.
DATE:	November 4, 2019

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

Variable	*Value*	*Units*
n	0.016	unitless
Material	Brick	
S	0.011	ft/ft
h	0.250	ft
D	3.00	ft
h/D	0.083333	ft/ft
P.F.	3.5	unitless

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

Proposed Project Flows		
Variable	Value	Units
Q_p	1,500	gpd

Section C: Design Flow Calculations

Variable	*Description*	*Definition*
$Q_{d,\ peak}$	Design Peak Flow	full pipe flow conditions
$Q_{d,\ avg}$	Design Avg. Flow	full pipe flow conditions divided by the peaking factor

Peak Design Flow Calcs		
Variable	*Value*	*Unit*
D	3.000	ft
r	1.500	ft
A	7.069	ft^2
P	9.425	ft
R	0.750	ft
$Q_{d, peak}$	57	cfs
$Q_{d, peak}$	36,833,927	gpd

Average Design Flow Calcs		
Variable	*Value*	*Unit*
$Q_{d, avg}$	10,523,979	gpd

Section D: Existing Flow Calculations

Variable	*Description*	*Definition*
$Q_{ex, avg}$	Existing Avg. Flow	existing flow conditions based on flow depth measurement
$Q_{ex, peak}$	Existing Peak Flow	the average existing flow multiplied by the peaking factor

Existing Average Flow Calcs		
Variable	*Value*	*Unit*
D	3.000	ft
r	1.500	ft
Θ	1.17	rad
A	0.28	ft^2
P	1.76	ft
R	0.160	ft
$Q_{ex, peak}$	1	cfs
$Q_{ex, peak}$	523,707	gpd

Existing Peak Flow Calcs		
Variable	*Value*	*Unit*
$Q_{ex, avg}$	1,832,976	gpd

Section E: Projected Flow Calculations

Variable	*Description*	*Definition*
$Q_{proj, peak}$	Projected Peak Flow	= $(Q_{ex, peak} + Q_p) \times 1.05$
$Q_{proj, avg}$	Projected Avg. Flow	= $Q_{proj, peak} \div$ P.F.

Projected Flow Calculations		
Variable	*Value*	*Unit*
$Q_{proj, peak}$	1,926,200	gpd
$Q_{proj, avg}$	550,343	gpd

Section F: Compare Results with Applicant's Submission

Variable	*PWSA Calcs, gpd*	*Applic. Calcs, gpd*	*Difference, gpd*	*Difference, %*
$Q_{d, peak}$	36,833,927	39,459,986	-2,626,059	-7%
$Q_{d, avg}$	10,523,979	11,274,282	-750,303	-7%
$Q_{ex, peak}$	1,832,976	1,958,254	-125,278	-7%
$Q_{ex, avg}$	523,707	559,501	-35,794	-7%
$Q_{proj, peak}$	1,926,200	2,061,679	-135,479	-7%
$Q_{proj, avg}$	550,343	589,051	-38,708	-7%

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

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

1. Project Flows 1,500 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

   a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.

   b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.

   c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	11,274,282	39,459,986	559,501	1,958,254	589,051	2,061,679
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, P.E. / Director of Engineering

   Agent Signature _____ Date 10/31/19

alcosan
allegheny county sanitary authority ™

November 18, 2019

Mr. Nathaniel King
Langan Engineering
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

Re: 1717 Locust Street
City of Pittsburgh, 1st Ward – Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure M-05-00

Dear Mr. King:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the 1st Ward of the City of Pittsburgh. The project will generate a peak flow of 1,500 gpd in the ALCOSAN Monongahela River Interceptor and Woods Run Treatment Plant.

The capacity at the M-05-00 Regulator Structure is approximately 20.6 MGD. The monitored peak dry weather flow is approximately 3.26 MGD. Dry weather capacity exists for this connection. However, the ALCOSAN Monongahela 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)

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 4

Connections 1

Name of:

existing collection or conveyance system Locust Street 15-inch VCP combined sewer.

owner PWSA

existing interceptor Monongahela Interceptor

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 permitee or their representative.

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent SHAWN P. McWILLIAMS, EIT

Agent Signature S P. McWilliams Date 11/18/19

(Also see Section I. 4.)

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

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

1. Project Flows 1,500 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

   a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.

   b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.

   c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	11,274,282	39,459,986	559,501	1,958,254	589,051	2,061,679
Conveyance	—	20.6 MGD	3.00 MGD	3.26 MGD	3.03 MGD	3.29 MGD
Treatment	—	250 MGD	216.1 MGD	250 MGD	202.9 MGD	250 MGD

3. Collection and Conveyance Facilities

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

   YES NO

   a. ☐ ☒ 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, P.E. / Director of Engineering

   Agent Signature _____ Date 10/31/19

☒ 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 11/18/19

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.	☐	☒	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 11/18/19

☐ 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.

COUNTY OF ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

November 20, 2019

Nathaniel King
Langan Engineering
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

RE: SEWAGE FACILITIES PLANNING MODULE; 1717 Locust Street, City of Pittsburgh, ALLEGHENY COUNTY

Dear Mr. King:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on November 19, 2019. The project proposes the following:

Project Description:	1717 Locust Street. Proposing to combine two currently demolished/empty lots (11-J-172 & 11-J-173) and construct a three-story residential apartment building with 8 units (6 single-bedroom and 2 two-bedroom owned & operated by 1717 Locust, LLC) located along Locust Street between Miltenberger Street and Van Braam Street in the City of Pittsburgh, Allegheny County.
Sewage Flow:	1,500 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water & Sewer Authority (PWSA) collection system in Locust Street to ALCOSAN POC M-05 to the Monongahela 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.

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, the 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

JLS/cab
Enclosure

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

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 1717 Locust Street, 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, 1717 Locust, LLC has proposed the development of a certain parcel of land 1717 Locust Street, Pittsburgh, PA 15219, Allegheny County, at lot and block 11-J-172 & 11-J-173, in the 1st 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 1717 Locust Street, Pittsburgh, PA 15219, Allegheny County, at lot and block 11-J-172 & 11-J-173, in the 1st 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	Nathaniel King (LANGAN) 724-514-5129	
Type of Initiative	☒ Legislation	☐Executive Order
Type of Legislation	Other	

1717 Locust, LLC has proposed the development of a certain parcel of land 1717 Locust Street, Pittsburgh, PA 15219, Allegheny County, at lot and block 11-J-172 & 11-J-173, in the 1st 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	☐One-Time		☐ Multi-Year	
Funding Source	☐Operating	☐Capital	☐Grant	☐Trust Fund
Is this item budgeted?	☐Yes		☐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: 1717 Locust Street

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

Residential/empty lot

2) What is the proposed use for the property?

The proposed property will be consisted of residential apartment space.

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

The proposed stormwater management system includes inlets and underground stormwater laterals for conveyance. The proposed site improvements will create less than 10,000 square feet of disturbance, and therefore is exempt from implementing a stormwater management plan.

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 neutral change in stormwater flow.

APPENDIX C

Component 3, Narrative Description of Project, Supporting Documentation

3800-FM-BPNPSM0353 Rev. 2/2015
Form

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Code No.
02001-19-025

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

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY				
DEP CODE #	**CLIENT ID #**	**SITE ID #**	**APS ID #**	**AUTH ID #**
02001-19-025	76778			

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 1717 Locust Street

2. Brief Project Description 1717 Locust, LLC is proposing to construct a three-story residential building with a footprint of approximately 3,000 SF. The proposed building would combine two currently demolished/empty lots, and provide 8 residential apartment units. The proposed project includes a 4-inch sanitary sewer connection and a 6-inch storm sewer connection from the proposed building to the existing combined 15-inch combination sewer line in Locust Street via a proposed wye connection. The proposed project also includes a 4-inch fire service water connection to the existing 6-inch water main on Locust Street (The 4-inch fire service will then reduce to a 3-inch line. 1.5-inch domestic service will tee off the fire service line at the curb).

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

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

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

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		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

1717 Locust Street

Site Location Line 1	Site Location Line 2
1717 Locust Street	

Site Location Last Line -- City	State	ZIP+4	Latitude	Longitude
Pittsburgh	PA	15219	40°43'67"N	79°98'20"W

Detailed Written Directions to Site: From PA-28 S take exit 1A for I-579 S/I-376E then continue onto I-579 S. From I-579 take the exit toward I-376 E/Oakland/Monroeville, then continue onto Blvd of the Allies. From Blvd of the Allies, turn left onto Craft Avenue, then left onto Craft Place. From Craft Place turn right onto Blvd of the Allies. From Blvd of the Allies, turn right onto Miltenberger Street. From Miltenberger Street turn left onto Locust Street. The site will be on your right approximately halfway down Locust Street.

Description of Site The existing project site contains a demolished/empty lot.

Site Contact (Developer/Owner)

Last Name	First Name	MI	Suffix	Phone	Ext.
McAllister	Michael			304-685-8100	

Site Contact Title	Site Contact Firm (if none, leave blank)
Owner	

FAX	Email
	michael@epicdevelopmentpgh.com

Mailing Address Line 1	Mailing Address Line 2
213 Smithfield St.	Floor 2

Mailing Address Last Line -- City	State	ZIP+4
Pittsburgh	PA	15219

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

Last Name	First Name	MI	Suffix
Rowland	Scott		

Title	Consulting Firm Name
Senior Associate/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 4

Connections 1

Name of:

existing collection or conveyance system Locust Street 15-inch VCP combined sewer.

owner PWSA

existing interceptor Monongahela Interceptor

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 permitee or their representative.

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent SHAWN P. McWILLIAMS, EIT

Agent Signature S P. McWilliams Date 11/18/19

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. **PLOT PLAN**

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

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

4. **WETLAND PROTECTION**

	YES	NO	
a.	☐	☒	Are there wetlands in the project area? If yes, ensure these areas appear on the plot plan as shown in the mapping or through on-site delineation.
b.	☐	☒	Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, Identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on streams classified as HQ or EV and address impacts of the permitting requirements of said encroachments on the project.

5. **PRIME AGRICULTURAL LAND PROTECTION**

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

6. **HISTORIC PRESERVATION ACT**

YES	NO	
☐	☒	Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at www.dep.state.pa.us, select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice (CRN), a return receipt for its submission to the PHMC and the PHMC review letter.

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

Check one:

☒ The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.

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

Applicant or Consultant Initials_____.

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

☒ An alternative sewage facilities analysis has been prepared as described in Section H of the attached instructions and is attached to this component.

The applicant may choose to include additional information beyond that required by Section H of the attached instructions.

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

1. **Waters designated for Special Protection**

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

2. **Pennsylvania Waters Designated As Impaired**

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

3. **Interstate and International Waters**

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

4 **Tributaries To The Chesapeake Bay**

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

Name of Permittee Agency, Authority, Municipality_____

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

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

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

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

1. Project Flows 1,500 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

   a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.

   b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.

   c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	11,274,282	39,459,986	559,501	1,958,254	589,051	2,061,679
Conveyance	—	20.6 MGD	3.00 MGD	3.26 MGD	3.03 MGD	3.29 MGD
Treatment	—	250 MGD	216.1 MGD	250 MGD	202.9 MGD	250 MGD

3. Collection and Conveyance Facilities

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

   YES NO

   a. ☐ ☒ 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, P.E. / Director of Engineering

   Agent Signature _____ Date 10/31/19

☒ 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 11/18/19

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.	☐	☒	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 11/18/19

☐ 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 puchase the necessary credits and describe the assurance that these credits and offsets will be available for the remaining design life of the non-municipal sewage facility;

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

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

	Yes	No	
a.	☐	☐	If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

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

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

b. Collection System
Name of Responsible Organization _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

c. Conveyance System
Name of Responsible Organization _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

5. Treatment Facility

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

	Yes	No	
a.	☐	☐	If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

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

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

b. Name of Facility_____

Name of Responsible Agent_____

Agent Signature _____

Date_____

(For completion by the municipality)

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

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

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

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

	Yes	**No**	
1.	☐	☒	Does the project propose the construction of a sewage treatment facility ?
2.	☐	☒	Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3.	☐	☒	Will the project result in a public expenditure for the sewage facilities portion of the project in excess of $100,000?
4.	☐	☒	Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5.	☐	☒	Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6.	☐	☒	Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
7.	☐	☒	Does the project involve a major change in established growth projections?
8.	☐	☒	Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?

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

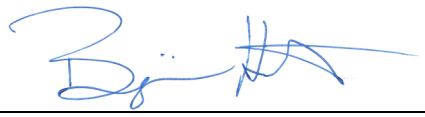
9. ☐ ☒ Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
10. ☐ ☒ Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
11. ☐ ☒ Will sewage facilities discharge into high quality or exceptional value waters?

☐ Attached is a copy of:
- ☐ the public notice,
- ☐ all comments received as a result of the notice,
- ☐ the municipal response to these comments.

☐ No comments were received. A copy of the public notice is attached.

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

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

Ben Hunter, P.E.	
Name (Print)	Signature
Senior Project Manager	08/27/2018
Title	Date
2400 Ansys Drive, Suite 403 Canonsburg, PA 15317	724-514-5125
Address	Telephone Number

R. REVIEW FEE (See Section R of instructions)

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

☐ I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.

☒ I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of $ 200.00 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.

   # 4 Lots (or EDUs) X $50.00 = $ 200.00

   The fee is based upon:

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

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

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

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

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

   #_____ Lots (or EDUs) X $35.00 = $_____

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

   The fee is based upon:

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

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

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

NARRATIVE DESCRIPTION OF PROJECT

SECTION F
SEWAGE FACILITIES PLANNING
MODULE COMPONENT 3

Re: Project Narrative
1717 Locust Street
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250088701

The project site is located along Locust Street between Miltenberger Street and Van Braam Street, in District 6 within the City of Pittsburgh, Allegheny County, Pennsylvania. 1717 Locust, LLC is proposing to develop approximately 0.08 acres within Lots 11-J-172 & 11-J-173. The proposed development is to construct a three-story apartment building with a footprint of approximately 3,000 square feet, and is to house 8 units (6 single-bedroom and 2 two-bedroom). The proposed development will be owned and operated by 1717 Locust, LLC.

The existing project site contains a demolished/empty lot, in which the existing combined daily sanitary sewage flow is 0 gallons per day. Following the proposed development, the building will have an estimated combined daily sanitary sewage flow of 1,500 gallons per day. The proposed project provides a 4-inch sanitary sewer connection from the proposed building to the existing 15-inch combination sewer line in Locust Street, east of existing PWSA Manhole #011J019, via a proposed wye connection.

Reference documents for the calculation of the proposed estimated combined daily sanitary sewage flow can be found in Appendix C. The dry flow hydraulic capacity calculation for the proposed project is based on the limited capacity sewer found between JCT002L002 and JCT002L006 located along Magee Street, between Forbes Avenue and Watson Street. The measurement for dry flow was completed on September 06, 2019 at approximately 3:00 pm. The weather conditions were partly cloudy with temperatures in the mid 70's. In order to get a measurement due to the depth of the existing manhole (± 32 feet deep), a rope with a weight was slowly lowered down into the manhole. Upon hitting the bottom, it was brought back up and a measurement of the water line was taken from the rope. This measurement was found to be 2/10 feet or approximately 2.4 inches. For use in the dry flow hydraulic capacity calculation, 3 inches was used.

The total area of disturbance for the development will be less than 10,000 square feet; therefore, per Section 1303.01.A of the City of Pittsburgh Code, the project is exempt from stormwater management regulations. Additionally, this project will result in less than 5,000 square feet of earth disturbance, and therefore is exempt from implementing a stormwater management plan per City of Pittsburgh's EcoInnovation District plan. Stormwater will be managed on site to the greatest extent possible by maximizing greenspace on site per the Small Project Stormwater Standards. The proposed project includes a 6-inch storm sewer connection, in which stormwater runoff from the site will discharge into the existing 15-inch PWSA combined sewer in Locust Street.

Since the current site consists of a demolished/empty lot, there are no existing water service connections. The proposed project includes a 4-inch water connection to the existing 6-inch water main on Locust Street. The 4-inch connection will then be reduced to a 3-inch lateral for fire service. A 1.5-inch domestic service line will tee off the 3-inch fire service at the curb line to provide domestic water service. The proposed water demand is estimated to be the same as the proposed combined daily sanitary sewage flow, 1,500 gallons per day; therefore, the proposed increase in water demand as a result of the proposed improvements is 1,500 gallons per day. The existing municipal system is expected to adequately meet proposed demands. A copy of the water availability letter from PWSA can be found in Appendix C.

ANTICIPATED SEWAGE FLOW REFERENCE

TABLE 1: PROPOSED SANITARY SEWAGE FLOW ESTIMATION

Floor	Use	Unit	Size	Anticipated Average Rate (GPD/Unit)[1]	Anticipated Average Sewage Flow (GPD)
1	Residential (1 bedroom)	Per Resident	3	150	450
2	Residential (1 bedroom)	Per Resident	3	150	450
3	Residential (2 bedroom)	Per Resident	2	300	600
			Required GPD =		**1,500**
			Required EDUs[2] =		**4**
			Requested TOTAL GPD =		**1,500**

1 – Rate is based on the flow estimate defined in PA Code Title 25 Chapter 73 Paragraph 73.17.
2 – EDUs are based on 400 GPD/EDU.

PROPOSED BLDG SANITARY PIPE CALCULATIONS
1717 Locust Street

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 LOCUST STREET

MINIMUM SLOPE WITHIN THIS ENTIRE RUN = 1.0%

		Q_{full}, cfs	Q_{full}, gpd	Q_{half}, cfs	Q_{half}, gpd	V_{max}, fps	V_{half}, fps
MATERIAL	**PVC**						
LENGTH, ft	**25**	0.32	206,028	0.15	98,893	4.20	3.65
DIAMETER, in	**4**						
SLOPE	**2.00%**						
n	**0.011**						
Q_{max}, gpd	**1,500**						
Q_{design}, gpd	**5,250**						

PIPE SIZED ACCORDINGLY: TRUE

V_{max} < 10 fps: TRUE

V_{half} > 2 fps: TRUE

Scott D. Rowland, P.E.
Professional Engineer License No.
PE-080536-E
srowland@langan.com

1717 Locust Street
Magee Street 36-IN PWSA Combination Sewer
Dry Flow Comparison Calculations

Given Information	
Pipe Location:	Magee Street
*Pipe Type:	BR
Pipe Diameter (IN):	36
*Slope:	1.1%
*Depth of Flow (IN):	3
Manning's n Value:	0.015

Solve for Dry Flow	
Radius of Pipe, r (IN):	18
Circular Segment Height, h (IN):	3
Central Angle, Θ:	67.115
Flow Area, K (IN²):	40.514
Wetted Perimeter (IN):	21.085
Hydraulic Radius (IN):	1.921
Hydraulic Radius (FT):	0.160
Velocity (FT/S):	3.077
Flow (CFS):	0.866
Flow (GPD):	559,501

Solve for Full Flow	
Flow (CFS):	61.066
Flow (GPD):	39,459,986

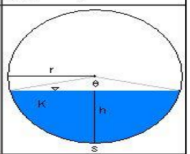
Solve for Present Peak Flow	
Peak Factor:	3.5
Flow (GPD):	1,958,254

Solve for Average Design/Permitted Capacity	
Flow (GPD):	11,274,282

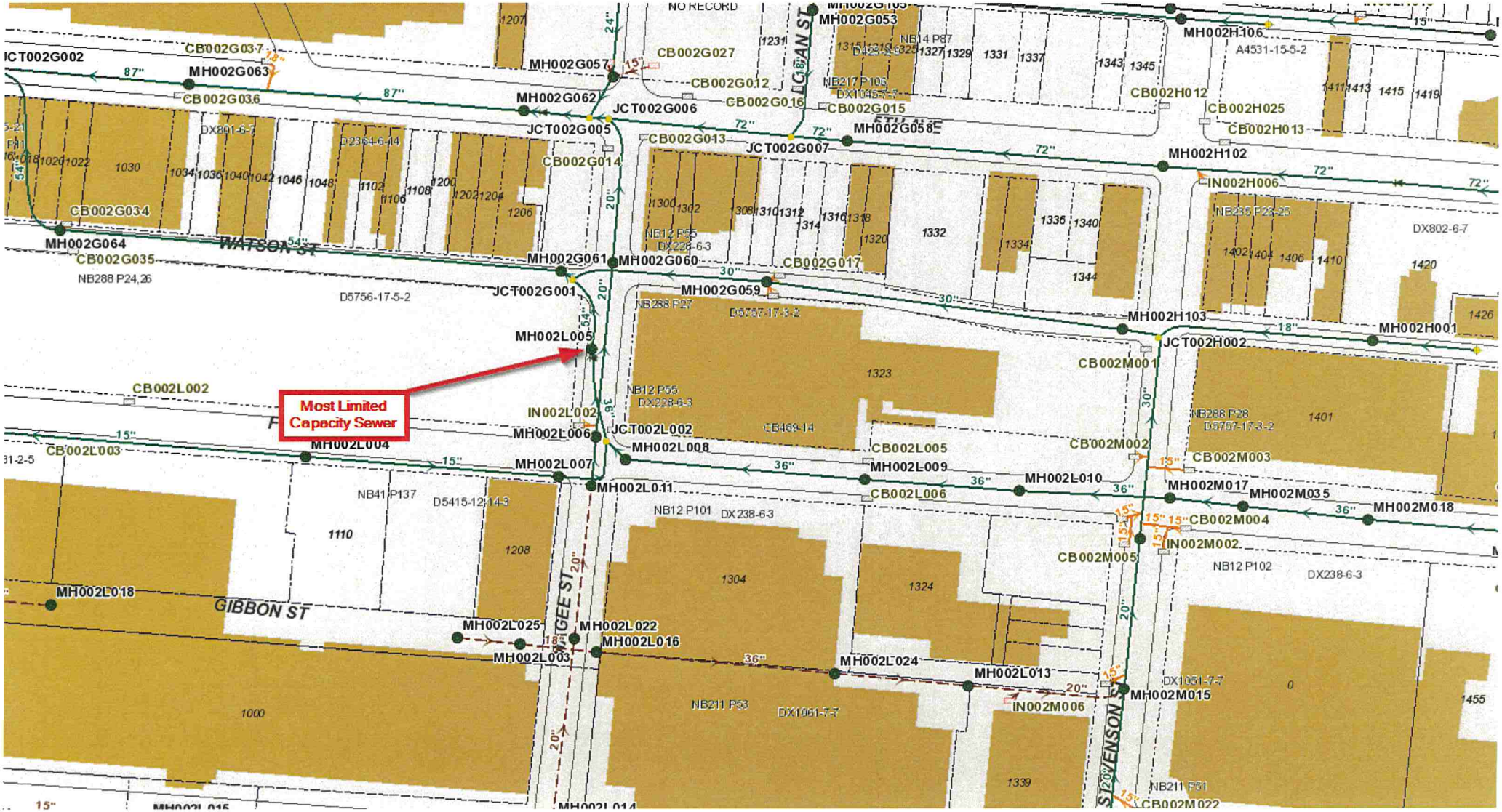
Summary	
Anticipated Flow Contribution (GPD)[1]:	1,500
Present Average Flow (GPD):	559,501
Present Peak Flow (GPD):	1,958,254
Design/Permitted Average Capacity (GPD):	11,274,282
Design/Permitted Peak Capacity (GPD):	39,459,986
Average Projected Flow (GPD)	589,051
Peak Projected Flow (GPD)	2,061,679

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

*Information and values not field verified
1. Flow estimation provided by DLR Group, based on PA Code Title 25, Chapter 73, Paragraph 73.17

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	$R_h = \frac{A}{P_w}$

Scott D. Rowland, P.E.
Professional Engineer License No. PE-080536-E
srowland@langan.com


Most Limited Capacity Sewer
WATSON ST
GIBBON ST
MH002G064
MH002G063
MH002G062
MH002G061
MH002G060
MH002G059
MH002G058
MH002G057
MH002G053
MH002H106
MH002H102
MH002H103
MH002H001
MH002L005
MH002L004
MH002L007
MH002L011
MH002L018
MH002L025
MH002L022
MH002L016
MH002L003
MH002L024
MH002L013
MH002M015
JCT002G001
JCT002G005
JCT002G006
JCT002G007
JCT002H002
JCT002L002
CB002G034
CB002G035
CB002G036
CB002G037
CB002G027
CB002G012
CB002G016
CB002G015
CB002G013
CB002G014
CB002G017
CB002H012
CB002H025
CB002H013
CB002M001
CB002M002
CB002M003
CB002M004
CB002M005
CB002M022
CB002L002
CB002L003
CB002L005
CB002L006
IN002G002
IN002H006
IN002M002
IN002M006
MH002M017
MH002M035
MH002M018
MH002L010
MH002L009
MH002L008
MH002L006
NO RECORD
NB288 P24,26
D5756-17-5-2
NB288 P27
D5757-17-3-2
NB12 P55
DX228-6-3
NB12 P101
DX238-6-3
NB12 P102
NB41 P137
D5415-12-14-3
NB211 P53
DX1061-7-7
NB211 P51
NB14 P87
NB217 P105
NB235 P23-25
DX802-6-7
DX801-6-7
D2364-6-14
A4531-15-5-2
CB489-14
1323
1324
1304
1208
1110
1000
1339
1401
1420
1426
1455

DEP Sewage Facilities Planning Module
Chapter 94 Consistency Determination
Hydraulically Limited Sewer Calculation Spreadsheet

LEGEND: Input Data | Output Data | Hydraulically Limited Sewer

PROJECT NAME: 1717 Locust Street Development
PROJECT LOCATION: 1717 Locust Street, Pittsburgh, PA 15219
ALCOSAN INTERCEPTOR: Monongahela
PWSA REVIEWER: Robert Herring, P.E.
DATE: August 22, 2019

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpm
MH011J017	MH011J019	807.20	803.74	289.00	15	VCP	0.016	1.23	3.927	1.20%	3,721,724
MH011J019	MH011J020	803.74	801.09	46.47	15	VCP	0.016	1.23	3.927	5.70%	8,122,536
MH011J020	JCT011J005	801.09	799.05	147.04	18	VCP	0.016	1.77	4.712	1.39%	6,514,819
JCT011J005	JCT002M003	799.05	794.42	397.23	36	BR	0.015	7.07	9.425	1.17%	40,443,607
JCT002M003	MH002M029	794.42	793.04	34.63	36	BR	0.015	7.07	9.425	3.98%	74,781,420
MH002M029	MH002M030	793.04	790.00	136.96	36	BR	0.015	7.07	9.425	2.22%	55,811,067
MH002M030	MH002M020	795.95	788.28	254.92	36	BR	0.015	7.07	9.425	3.01%	64,979,466
MH002M020	MH002M018	788.28	784.81	186.53	36	BR	0.015	7.07	9.425	1.86%	51,094,106
MH002M018	MH002M017	784.81	780.48	181.34	36	BR	0.015	7.07	9.425	2.39%	57,886,535
MH002M017	MH002L010	780.48	778.68	137.20	36	BR	0.015	7.07	9.425	1.31%	42,908,132
MH002L010	MH002L009	778.68	776.04	141.08	36	BR	0.015	7.07	9.425	1.87%	51,244,782
MH002L009	MH002L008	776.04	771.33	217.89	36	BR	0.015	7.07	9.425	2.16%	55,077,246
MH002L008	JCT002L002	771.33	770.72	33.76	36	BR	0.015	7.07	9.425	1.81%	50,355,175
JCT002L002	JCT002L006	770.72	769.88	75.97	36	BR	0.015	7.07	9.425	1.11%	39,391,180
JCT002L006	MH002L005	769.88	769.72	8.07	36	BR	0.015	7.07	9.425	1.98%	52,747,713
MH002L005	JCT002G001	769.72	768.82	70.98	54	BR	0.015	15.90	14.137	1.27%	124,368,489
JCT002G001	MH002G061	768.82	768.73	13.34	54	BR	0.015	15.90	14.137	0.67%	90,719,457
MH002G061	JCT002G054	768.73	767.51	118.45	54	BR	0.015	15.90	14.137	1.03%	112,090,675
JCT002G054	MH002G064	767.51	763.02	337.91	54	BR	0.015	15.90	14.137	1.33%	127,315,051
MH002G064	JCT002G002	763.02	761.07	176.93	54	BR	0.015	15.90	14.137	1.10%	115,950,778
JCT002G002	MH002G065	760.64	758.22	82.78	87	BR	0.015	41.28	22.777	2.92%	673,653,732
MH002G065	JCT002G003	758.21	756.68	77.46	87	BR	0.015	41.28	22.777	1.98%	553,730,846
JCT002G003	RD002G001	756.68	756.48	19.69	96	BR	0.015	50.27	25.133	1.02%	516,284,598
RD002G001	MH002F129	756.48	754.32	89.19	96	BR	0.015	50.27	25.133	2.42%	797,197,307
MH002F129	MH002F130	754.15	750.33	298.99	96	BR	0.015	50.27	25.133	1.28%	579,029,085
MH002F130	JCT002F004	750.18	749.38	80.85	96	BR	0.015	50.27	25.133	0.99%	509,567,840
JCT002F004	MH002F126	749.38	748.34	50.30	96	BR	0.015	50.27	25.133	2.07%	736,596,594
MH002F126	MH002F125	748.34	746.61	107.07	96	BR	0.015	50.27	25.133	1.62%	651,157,698
MH002F125	JCT002F006	746.42	745.73	37.30	96	BR	0.015	50.27	25.133	1.85%	696,734,248
JCT002F006	MH002F122	745.73	742.88	155.22	96	BR	0.015	50.27	25.133	1.84%	694,137,679
MH002F122	JCT002F005	742.85	742.43	26.75	96	BR	0.015	50.27	25.133	1.57%	641,888,775
JCT002F005	MH002F120	742.43	741.49	55.49	96	BR	0.015	50.27	25.133	1.69%	666,735,521
MH002F120	JCT002K002	741.34	739.37	141.63	96	BR	0.015	50.27	25.133	1.39%	604,160,760
JCT002K002	MH002K048	739.37	738.44	32.20	96	BR	0.015	50.27	25.133	2.89%	870,583,772
MH002K048	MH002K067	738.44	737.09	81.80	72	BR	0.015	28.27	18.850	1.65%	305,574,632
MH002K067	MH002K068	737.09	735.79	78.53	72	BR	0.015	28.27	18.850	1.66%	306,041,937
MH002K068	MH002K047	735.79	732.96	171.17	72	BR	0.015	28.27	18.850	1.65%	305,848,572
MH002K047	JCT002J015	732.96	730.80	95.49	78	RCP	0.014	33.18	20.420	2.26%	474,501,038
JCT002J015	RD002J001	730.80	728.38	193.63	78	RCP	0.014	33.18	20.420	1.25%	352,704,173
RD002J001	MH002J030	728.38	727.79	63.35	94	RCP	0.014	48.19	24.609	0.93%	500,761,122
MH002J030	JCT002J006	727.79	723.20	131.33	94	RCP	0.014	48.19	24.609	3.50%	970,068,222
JCT002J006	JCT002J005	723.20	722.72	17.30	94	RCP	0.014	48.19	24.609	2.77%	864,321,815
JCT002J005	MH002J032	722.72	718.34	115.72	94	RCP	0.014	48.19	24.609	3.78%	1,009,510,290
MH002J032	JCT002J004	718.12	717.70	59.33	94	RCP	0.014	48.19	24.609	0.71%	436,581,550
JCT002J004	JCT002N001	717.70	715.98	35.19	94	RCP	0.014	48.19	24.609	4.89%	1,147,182,458
JCT002N001	MH002N063	715.98	709.79	200.80	94	RCP	0.014	48.19	24.609	3.08%	911,048,249
MH002N063	MH002N062	709.79	706.63	186.14	96	BR	0.015	50.27	25.133	1.70%	667,453,040
MH002N062	ADC002NM05	706.63	703.95	139.21	96	BR	0.015	50.27	25.133	1.93%	710,770,197

DOCUMENTATION
FROM UTILITY COMPANIES

PITTSBURGH WATER AND SEWER AUTHORITY

WATER AND SEWER AVAILABILITY LETTER REQUEST FORM

All persons planning to perform construction, demolition, or renovation work that will involve water and/or sewer services are recommended to complete this form and submit to PWSA. PWSA will review the request and reply to indicate if PWSA-owned water and/or sewer utilities are present at the site of the proposed work.

This request form is **required** for all of the following types of development. (Please note that the term "sewer" refers to sanitary sewers, combined sewers, and storm sewers.)

1. New water and/or sewer tap(s) for all approved/recorded subdivisions.
2. Change of Use and/or increase in water and/or sewer flows for residential development(s), commercial, industrial and institutional developments (i.e. total project sanitary flow is greater than 799 gallons per day).
3. New water and/or sewer tap(s) for all residential, commercial, industrial, and institutional developments.

Information to be submitted by the Applicant:

Property Owner Name:	McAllister Equities (Michael McAllister)
Address of Property:	1717/1719 Locust Street, Pittsburgh, PA 15219
Proposed Use of Site:	Residential
Closest street intersection to the property:	Locust Street and Miltenberger Street

Requestor Name:	Langan	Date of Request:	05/XX/2019
Requestor Address:	2400 Ansys Drive, Canonsburg, PA 15317		
Requestor Phone Number:	724-514-5100		

Please submit the completed form to:

Pittsburgh Water and Sewer Authority
1200 Penn Avenue
Pittsburgh, PA 15222
Attn: Permits
(permitinfo@pgh2o.com)

PWSA Use Only:

PWSA Water Service Available: ☑ Yes ☐ No — Water Size / Location: 6" Locust Street

PWSA Sewer Service Available: ☑ Yes ☐ No — Sewer Size / Location: 15" Locust Street

Applicant must contact separate agency for water and/or sewer service: ☐ Yes ☑ No

Name of separate agency:

PWSA Approval Authority:

Signature and Date: Wendy M. Dean 5-29-19

Name (printed): Wendy M. Dean

Title: Engineering Tech II

Disclaimer: The information provided by PWSA does not guarantee capacity of the PWSA-owned water and/or sewer lines to satisfy the needs of the proposed development. The permit application process required by PWSA evaluates the water demand and sewer flows of the development, as provided by the Applicant, and renders a decision on the capacity of the PWSA facilities.

PGH2O Pittsburgh Water & Sewer Authority

May 29, 2019

Langan Engineering
Rob Gehris
2400 Ansys Drive
Canonsburg, PA 15317

RE: Water and Sewer Availability
1717/1719 Locust Street

Dear Mr. Gehris:

In response to your inquiry on 05/29/2019 concerning water and sewer availability for the area referenced above, please be advised that both water and sewers are available near the site, and water and sewer service will be provided in accordance with the policies and procedures of the Pittsburgh Water and Sewer Authority.

We wish to advise you that, if it is your desire to tap our water and sewer mains for service, your plans and Water and Sewer Use Application must be approved by the Authority, complete with detail showing the type of connection, meter, and backflow device before any work is performed.

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

If you plan to make modifications to the water or sewer system, please submit design drawings to The Pittsburgh Water and Sewer Authority for approval.

Refer to the Pittsburgh Water and Sewer Authority (PWSA) website (www.pgh2o.com) for the complete "Procedure Manual for Developers". All tap in plans and applications must be submitted according to the manual.

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

Sincerely,

Wendy M. Dean
Engineering Tech II

cc: PWSA File

1717 - 1719 Locust Street - Sewer

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

Feet
0 37.5 75

PGH2O

Date: 5/23/2019

1717 - 1719 Locust Street -Water

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

Feet
0 37.5 75

PGH2O

Date: 5/23/2019

PGH2O Pittsburgh Water & Sewer Authority

November 5, 2019

Mr. Nathaniel King
Langan
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

Subject: Pennsylvania Department of Environmental Protection (PaDEP)
Sewage Facilities Planning Module (SFPM) – Component 3 Form
Chapter 94 Consistency Determination
1717 Locust Street

Dear Mr. King:

Pursuant to your request, we have reviewed the DEP Sewage Facilities Planning Module for the 1717 Locust Street Development (Project) located at 1717 Locust Street, Pittsburgh, PA 15219. We have determined that the proposed 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). Please refer to the enclosed and approved "Section J – Chapter 94 Consistency Determination". A copy of the DEP-approved Sewage Facilities Planning Module shall be provided to the PWSA prior to the issuance of the Tap-In Permit for connection to the existing waterline and/or sewerline.

Please be advised that the Sewage Facilities Planning Module shall not be considered complete by the DEP until approved by the Allegheny County Sanitary Authority (ALCOSAN) and Pittsburgh City Council (Council). For additional information, please contact Michael Lichte (412-734-6209) at ALCOSAN or Leslie Stevens (412-255-2005) at the City of Pittsburgh Law Department. Please note that a City Resolution shall be requested prior to Council approval.

Our review was based on information provided by your firm 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 x5532 or RHerring@pgh2o.com.

Sincerely,

Robert Herring, P.E.
Engineering Consultant

Enclosures

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Julie Asciolla – PWSA (via email)
Thomas Flanagan – DEP (via email)
Leslie Stevens – City of Pittsburgh Law Department (via email)
Michael Lichte, P.E. – ALCOSAN (via email)
eBuilder File (via email)

Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh PA 15222

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T 412.255.2423
F 412.255.2475

www.pgh2o.com
@pgh2o

Customer Service /
Emergencies:
412.255.2423

PGH2O Pittsburgh Water & Sewer Authority

MEMO

To: Barry King, P.E.

From: Robert Herring, P.E.

Date: November 4, 2019

Subject: DEP Sewage Facilities Planning Module – Component 3

Chapter 94 Consistency Determination

Hydraulic Calculation Review

1717 Locust Street Development

Dear Barry,

Pursuant to your request, we have reviewed the DEP Sewage Facilities Planning Module – Component 3 as submitted by Langan (Applicant) for the 1717 Locust Street Development (Project) located at 1717 Locust Street, Pittsburgh, PA 15219. In accordance with Title 25 of the Pennsylvania Code, the Pittsburgh Water and Sewer Authority (PWSA) is required to prepare an annual Wasteload Management Report on the collection and conveyance of wastewater relative to available capacity. Our review was conducted to understand how the proposed 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 denial of the Sewage Planning Module and submission of a Corrective Action Plan to the PaDEP.

Based on the foregoing, we have determined that the proposed Project will not contribute to a dry-weather hydraulic overload within the next five years. Please refer to the enclosed hydraulic calculations for the proposed tie-in location. Upon your approval, please sign the enclosed "Section J - Chapter 94 Consistency Determination" from the DEP Sewage Facilities Planning Module – Component 3, as indicated.

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.

Yours truly,

Robert Herring, P.E.
Engineering Consultant

Enclosures

Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh PA 15222

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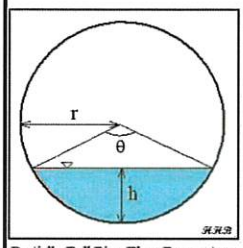
Customer Service /
Emergencies:
412.255.2423

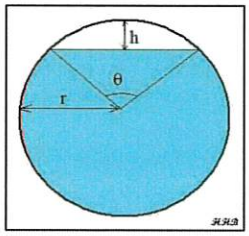
DEP Sewage Factilities Planning Module
Chapter 94 Consistency Determination
Hydraulic Calculations Review

LEGEND:	Input Data / Output Data
PROJECT NAME:	1717 Locust Street
PROJECT LOCATION:	1717 Locust Street, Pittsburgh, PA 15219
TIE-IN LOCATION:	Locust Street - 15" VCP
PWSA REVIEWER:	Robert Herring, P.E.
DATE:	November 4, 2019

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

Variable	*Value*	*Units*
n	0.016	unitless
Material	Brick	
S	0.011	ft/ft
h	0.250	ft
D	3.00	ft
h/D	0.083333	ft/ft
P.F.	3.5	unitless

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

Proposed Project Flows		
Variable	Value	Units
Q_p	1,500	gpd

Section C: Design Flow Calculations

Variable	*Description*	*Definition*
$Q_{d,\ peak}$	Design Peak Flow	full pipe flow conditions
$Q_{d,\ avg}$	Design Avg. Flow	full pipe flow conditions divided by the peaking factor

Peak Design Flow Calcs		
Variable	*Value*	*Unit*
D	3.000	ft
r	1.500	ft
A	7.069	ft^2
P	9.425	ft
R	0.750	ft
$Q_{d, peak}$	57	cfs
$Q_{d, peak}$	36,833,927	gpd

Average Design Flow Calcs		
Variable	*Value*	*Unit*
$Q_{d, avg}$	10,523,979	gpd

Section D: Existing Flow Calculations

Variable	*Description*	*Definition*
$Q_{ex, avg}$	Existing Avg. Flow	existing flow conditions based on flow depth measurement
$Q_{ex, peak}$	Existing Peak Flow	the average existing flow multiplied by the peaking factor

Existing Average Flow Calcs		
Variable	*Value*	*Unit*
D	3.000	ft
r	1.500	ft
Θ	1.17	rad
A	0.28	ft^2
P	1.76	ft
R	0.160	ft
$Q_{ex, peak}$	1	cfs
$Q_{ex, peak}$	523,707	gpd

Existing Peak Flow Calcs		
Variable	*Value*	*Unit*
$Q_{ex, avg}$	1,832,976	gpd

Section E: Projected Flow Calculations

Variable	*Description*	*Definition*
$Q_{proj, peak}$	Projected Peak Flow	= $(Q_{ex, peak} + Q_p) \times 1.05$
$Q_{proj, avg}$	Projected Avg. Flow	= $Q_{proj, peak} \div$ P.F.

Projected Flow Calculations		
Variable	*Value*	*Unit*
$Q_{proj, peak}$	1,926,200	gpd
$Q_{proj, avg}$	550,343	gpd

Section F: Compare Results with Applicant's Submission

Variable	*PWSA Calcs, gpd*	*Applic. Calcs, gpd*	*Difference, gpd*	*Difference, %*
$Q_{d, peak}$	36,833,927	39,459,986	-2,626,059	-7%
$Q_{d, avg}$	10,523,979	11,274,282	-750,303	-7%
$Q_{ex, peak}$	1,832,976	1,958,254	-125,278	-7%
$Q_{ex, avg}$	523,707	559,501	-35,794	-7%
$Q_{proj, peak}$	1,926,200	2,061,679	-135,479	-7%
$Q_{proj, avg}$	550,343	589,051	-38,708	-7%

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

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

1. Project Flows 1,500 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

   a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.

   b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.

   c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	11,274,282	39,459,986	559,501	1,958,254	589,051	2,061,679
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, P.E. / Director of Engineering

   Agent Signature _____ Date 10/31/19

PGH2O Pittsburgh Water & Sewer Authority

November 5, 2019

Mr. Thomas Flanagan
PA Department of Environmental Protection
Clean Water Program
400 Waterfront Drive
Pittsburgh, PA 15222

Subject: Pennsylvania Department of Environmental Protection (PaDEP)
Sewage Facilities Planning Module – Component 3 Form
Tap Allocation Authorization Letter

Dear Mr. Flanagan:

Please be advised that the Pittsburgh Water and Sewer Authority (PWSA) authorizes the sewer taps associated with the following Project:

Project Name:	1717 Locust Street
Project Address:	1717 Locust Street Pittsburgh, PA 15219
Proposed Flow, gpd:	**1,500**
EDU's, 400gpd/EDU:	**3.75**

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 412-255-8800 x5532 or RHerring@pgh2o.com.

Sincerely,

Robert Herring, P.E.
Consultant - Engineering

cc: Barry King, P.E. – PWSA (via email)
Kate Mechler, P.E. – PWSA (via email)
Julie Asciolla – PWSA (via email)
Langan - Applicant (via email)
Regis Ryan – PaDEP (via email)
eBuilder File (via email)

alcosan
allegheny county sanitary authority ™

November 18, 2019

Mr. Nathaniel King
Langan Engineering
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317

Re: 1717 Locust Street
City of Pittsburgh, 1st Ward – Allegheny County
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure M-05-00

Dear Mr. King:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the 1st Ward of the City of Pittsburgh. The project will generate a peak flow of 1,500 gpd in the ALCOSAN Monongahela River Interceptor and Woods Run Treatment Plant.

The capacity at the M-05-00 Regulator Structure is approximately 20.6 MGD. The monitored peak dry weather flow is approximately 3.26 MGD. Dry weather capacity exists for this connection. However, the ALCOSAN Monongahela 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)

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 4

Connections 1

Name of:

existing collection or conveyance system Locust Street 15-inch VCP combined sewer.

owner PWSA

existing interceptor Monongahela Interceptor

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 permitee or their representative.

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent SHAWN P. McWILLIAMS, EIT

Agent Signature S P. McWilliams Date 11/18/19

(Also see Section I. 4.)

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

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

1. Project Flows 1,500 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

   a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.

   b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.

   c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	11,274,282	39,459,986	559,501	1,958,254	589,051	2,061,679
Conveyance	—	20.6 MGD	3.00 MGD	3.26 MGD	3.03 MGD	3.29 MGD
Treatment	—	250 MGD	216.1 MGD	250 MGD	202.9 MGD	250 MGD

3. Collection and Conveyance Facilities

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

   YES NO

   a. ☐ ☒ 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, P.E. / Director of Engineering

   Agent Signature _____ Date 10/31/19

☒ 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 11/18/19

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.	☐	☒	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 11/18/19

☐ 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.

APPENDIX D

Alternative Sewage Facilities Analysis

SECTION H
SEWAGE FACILITIES PLANNING
MODULE COMPONENT 3

Re: Alternative Sewage Facilities Analysis
1717 Locust Street
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250088701

The project site is located along Locust Street between Miltenberger Street and Van Braam Street, in District 6 within the City of Pittsburgh, Allegheny County, Pennsylvania. 1717 Locust, LLC is proposing to develop approximately 0.08 acres within Lots 11-J-172 & 11-J-173. The proposed development is to construct a three-story apartment building with a footprint of approximately 3,000 square feet, and is to house 6 single-bedroom units and 2 two-bedroom units for a total of 8 residential units. The proposed development will be owned and operated by 1717 Locust, LLC.

The project site is generally bounded by residential buildings to the north and east, Locust Street to the south, and a residential building to the west. The site is located within lots 11-J-172 & 11-J-173, and currently consists of a demolished/empty lot and impervious sidewalk area.

The proposed project provides a 4-inch sanitary sewer and a 6-inch storm sewer connection from the proposed building to the existing 15-inch combination sewer line in Locust Street. The existing 15-inch PWSA combined sewer on site is ultimately conveyed to the Allegheny County Sanitary Authority (ALCOSAN) Wastewater Treatment Facility in Pittsburgh, PA. This alternate method will provide adequate disposal of the total combined daily flow of 1,500 gallons per day (4 EDUs). The proposed net increase in combined daily sanitary sewage flow from existing to proposed conditions is 1,500 gallons per day, or 4 EDUs. A reference for the approximate sewage flow for the proposed development can be found in Appendix C. The proposed line will remain private and will not create any undue financial burdens to the City of Pittsburgh, PWSA, or ALCOSAN.

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 Monongahela River, approximately 0.22 miles south of the site. A package wastewater treatment plant with discharge to the Monongahela River is not feasible due to the size and cost of the site.

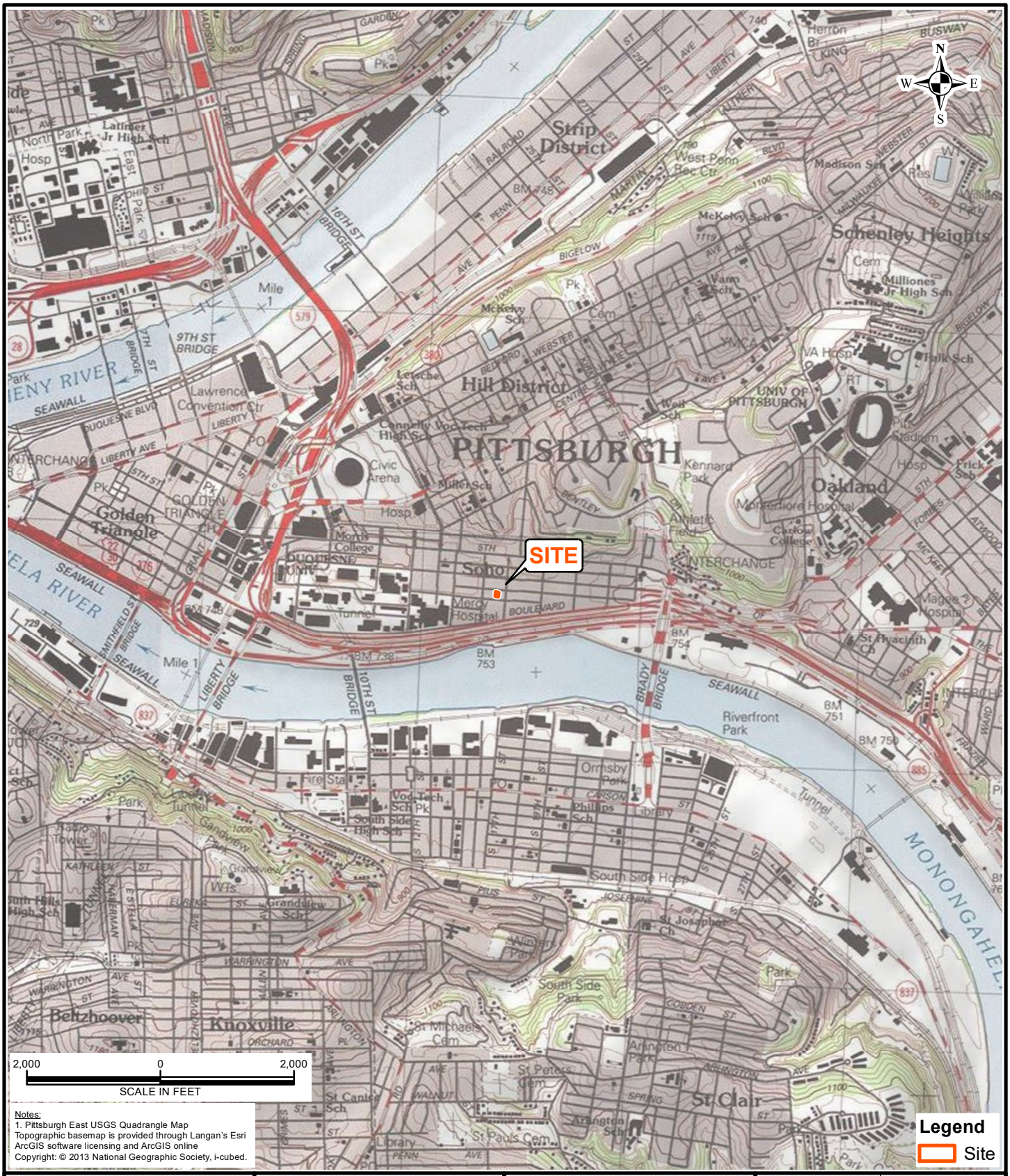
APPENDIX E
Public Notice

SECTION P
SEWAGE FACILITIES PLANNING
MODULE COMPONENT 3

Re: Public Notice
1717 Locust Street
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250088701

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 East USGS Quadrangle Map Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online

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 and Landscape Architecture, D.P.C.
Langan International LLC

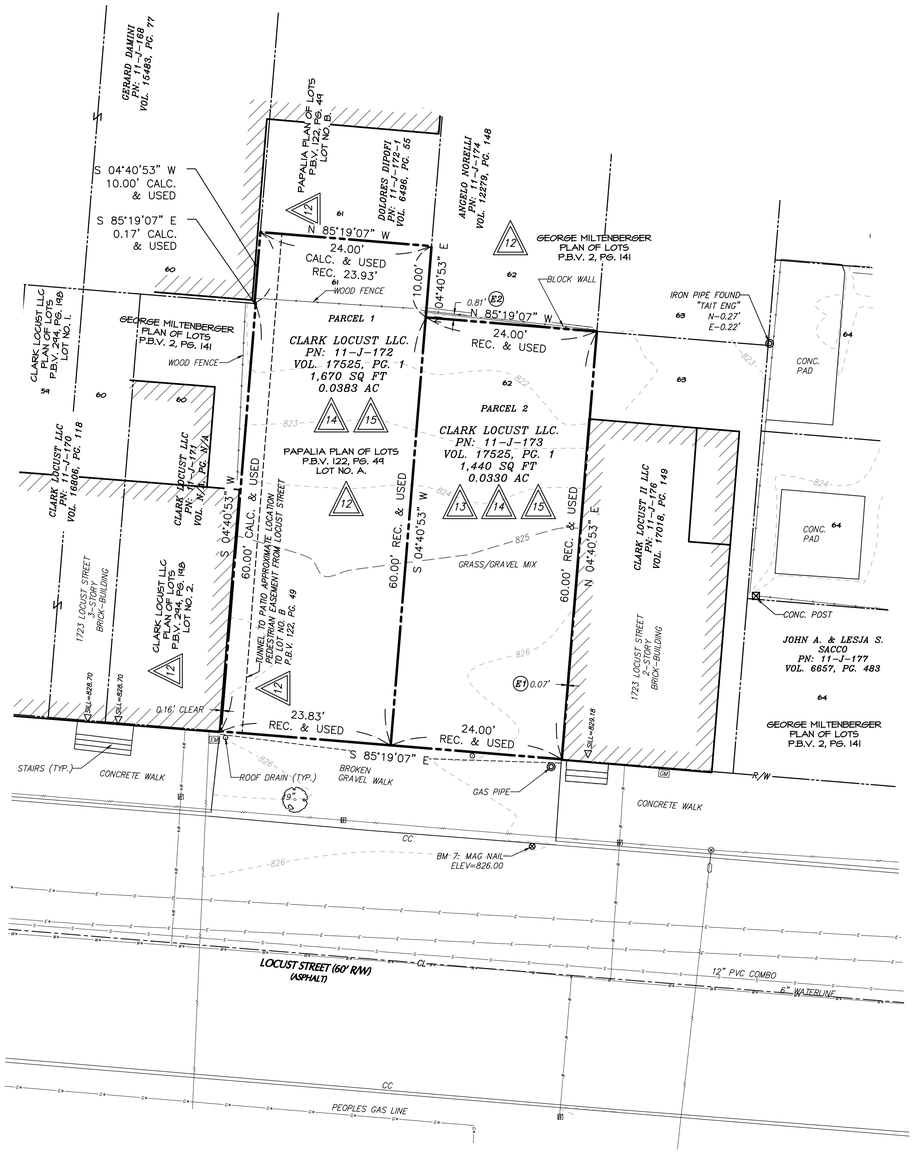
Collectively known as Langan

Project
1717 LOCUST STREET
PITTSBURGH
ALLEGHENY COUNTY PENNSYLVANIA

Drawing Title
SITE LOCATION MAP

Project No. 250088701	Figure 1
Date 6/24/2019	
Scale 1 " = 2,000 '	
Drawn By BLA	

Path: \\langan.com\data\PIT\data7\250088701\Project Data\ArcGIS\MXD\Civil_Figures\Site_Location_Map.mxd



SURVEYOR'S CERTIFICATION

1. 1717 LOCUST , LLC
2. STEWART TITLE GUARANTY COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 7(A), 7(B-1), 8, 9, 11, 13, AND 14 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED IN JUNE 2019.

SHAUN F. HIGGINS
PROFESSIONAL LAND SURVEYOR
PA LIC. No. SU-051088-E

SCHEDULE B SECTION II EXCEPTIONS -

PER STEWART TITLEGUARANTY COMPANY COMMITMENT FOR TITLE INSURANCE FILE NO. 20190027 WITH AN EFFECTIVE DATE OF MAY 8, 2019

ITEMS 1 THROUGH 11 NOT SURVEY RELATED

12. SUBJECT TO ALL MATTERS SHOWN ON THE PLAN AS RECORDED IN THE RECORDER'S OFFICE OF ALLEGHENY COUNTY, PENNSYLVANIA IN PLAN BOOK VOLUME 2, PAGE 141 (SHOWS THE LOT LINES FOR SUBJECT PARCEL AND MORE LAND SHOWN HEREON), PLAN BOOK VOLUME 122, PAGE 49 (LOT NO A IS SUBJECT PARCEL NUMBER 11-J-172 AND INCLUDES PEDESTRIAN ACCESS BY TUNNEL TO PATIO, SHOWN HEREON), AND PLAN BOOK VOLUME 294, PAGE 198 (REFERS TO AN ADJOINING PARCEL WEST OF SUBJECT PARCEL, SHOWN HEREON).

13. RESTRICTIONS AND OTHER MATTERS, IF ANY, APPEARING OF RECORD IN DEED BOOK 7969, PAGE 509, BUT DELETING ANY COVENANT, CONDITIONS, OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (INCLUDES SUBJECT PARCEL NUMBER 11-J-173, REFERS TO REAL ESTATE TAXATION, PARCEL SHOWN HEREON.)

14. POSSIBLE LIABILITY FOR COST OVERRUN IN REMEDIATION UNDER CITY OF PITTSBURGH ORDINANCE 2006-3. (DOCUMENT REFERS TO TESTING WATER DRAINAGE SYSTEMS FOR ILLEGAL STORM WATER CONNECTIONS, INCLUDES SUBJECT PARCEL AND MORE LAND, SUBJECT PARCEL SHOWN HEREON.)

15. RIGHT OF ACCESS BY PWSA ON PREMISES IN QUESTION TO COMPLETE CORRECTIVE ACTION PURSUANT TO CITY OF PITTSBURGH ORDINANCE 2006-3. (DOCUMENT REFERS TO TESTING WATER DRAINAGE SYSTEMS FOR ILLEGAL STORM WATER CONNECTIONS, INCLUDES SUBJECT PARCEL AND MORE LAND, SUBJECT PARCEL SHOWN HEREON.)

LEGAL DESCRIPTION -

PER STEWART TITLE GUARANTY COMPANY COMMITMENT FOR TITLE INSURANCE FILE NO. 20190027 WITH AN EFFECTIVE DATE OF MAY 8, 2019

PARCEL 1:

ALL THAT CERTAIN LOT OR PIECE OF GROUND SITUATE IN THE FIRS (1ST) WARD OF THE CITY OF PITTSBURGH, COUNTY OF ALLEGHENY AND COMMONWEALTH OF PENNSYLVANIA, BEING ALL OF LOT NO. A IN THE PAPALIA PLAN OF LOTS AS THE SAME IS RECORDED IN THE RECORDER'S OFFICE OF ALLEGHENY COUNTY PENNSYLVANIA IN PLAN BOOK VOLUME 122, PAGE 49.

BEING BLOCK AND LOT 11-J-172.

PARCEL 2:

ALL THAT CERTAIN LOT OR PIECE OF GROUND SITUATE IN THE FIRST (1ST) WARD OF THE CITY OF PITTSBURGH, COUNTY OF ALLEGHENY AND COMMONWEALTH OF PENNSYLVANIA, BEING PART OF LOT NO. 62 IN THE GEORGE MILTENBERGER PLAN OF LOTS, AS RECORDED IN THE RECORDER'S OFFICE OF ALLEGHENY COUNTY IN PLAN BOOK VOLUME 2, PAGE 141, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTHERLY SIDE OF LOCUST STREET 96 FEET WESTWARDLY FROM MILTENBERGER STREET; THENCE NORTHERLY AND AT RIGHT ANGLES WITH LOCUST STREET, 60 FEET TO A POINT; THENCE WESTWARDLY ALONG THE LINE OF PROPERTY NOW OR FORMERLY OF ANTONIO INDOVINA A DISTANCE OF 24 FEET TO A POINT; THENCE SOUTHWARDLY AT RIGHT ANGLES WITH LOCUST STREET AND PARALLEL WITH THE FIRST ABOVE MENTIONED COURSE A DISTANCE OF 60 FEET TO LOCUST STREET; AND THENCE ALONG LOCUST STREET, EASTWARDLY A DISTANCE OF 24 FEET TO THE POINT AT THE PLACE OF BEGINNING.

BEING BLOCK AND LOT 11-J-173.

ENCROACHMENTS

E1 BUILDING ENCROACHES ONTO SUBJECT PARCEL AS SHOWN

E2 FENCE AND BLOCK WALL ENCROACHES ONTO ADJOINING PARCEL AS SHOWN

ZONING

AS PER THE CITY OF PITTSBURG INTERACTIVE ZONING DISTRICTS MAP, THE SUBJECT PARCEL IS ZONED UPR-B, UPTOWN PUBLIC REALM DISTRICT, RESIDENTIAL CORE. NO ZONING INFORMATION PROVIDED BY THE INSURER. FOR MORE INFORMATION SEE THE CITY OF PITTSBURGH, PENNSYLVANIA DEVELOPMENT CODE.

FLOOD CERTIFICATION

AS PER THE NATIONAL FLOOD INSURANCE PROGRAM (FIRM) MAP TITLED "ALLEGHENY COUNTY, PENNSYLVANIA AND INCORPORATED AREAS, PANEL 361 OF 558, MAP NUMBER 42003C0361H," WITH AN EFFECTIVE DATE OF SEPTEMBER 26, 2014, THE SUBJECT PARCEL IS LOCATED IN ZONE X (NOT SHADED), AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

SITE DEVELOPMENT STANDARD	UPR-B DISTRICT
MINIMUM FRONT AND SIDEYARD SETBACKS	
0-40 FEET FROM GROUND LEVEL	0 FEET
41-70 FEET FROM GROUND LEVEL	10 FEET
MINIMUM REAR SETBACK	
WHEN NOT ADJACENT TO WAY, TUSTIN STREET OR WATSON STREET	20 FEET
WHEN ADJACENT TO WAY, TUSTIN STREET OR WATSON STREET	0 FEET

NOTE: ZONING INFORMATION NOT PROVIDED FROM CLIENT, PROVIDED BY THE CITY OF PITTSBURGH ZONING WEBSITE.

NOTES

1. THIS PLAN WAS PREPARED WITH REFERENCE TO A COMMITMENT FOR TITLE INSURANCE PREPARED BY STEWART TITLE GUARANTY COMPANY, COMMITMENT NUMBER: 20190027, COMMITMENT DATE: MAY 8, 2019.
2. THIS PLAN WAS PREPARED WITH THE RESPECT TO THE FOLLOWING REFERENCES:
   A. THE PAPALIA PLAN OF LOTS, PLAN BOOK VOLUME 122, PAGE 49.
   B. GEORGE NILTENBERGER PLAN OF LOTS, PLAN BOOK VOLUME 2, PAGE 141
   C. DUQUESNE LIGHT CO UNDERGROUND DEPARTMENT DUCT RECORD, REVISION 4, DATED JUNE 1, 2016, PAGE E-84, RECEIVED ON JUNE 4, 2019.
   D. PITTSBURGH WATER AND SEWER AUTHORITY MAPS , RECEIVED ON JUNE 4, 2019.
   E. PEOPLES NATURAL GAS, PA ONE CALL MAPS, RECEIVED ON JUNE 7, 2019.
3. MERIDIAN IS REFERENCED TO PENNSYLVANIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83, PER GPS OBSERVATIONS IN DECEMBER, 2017.
4. VERTICAL DATUM IS BASED ON NAVD88 PER GPS OBSERVATIONS.
5. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES FIELD WORK COMPLETED DURING THE MONTH OF JUNE 2019.
6. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND LOCATIONS WHERE DATA IS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE, THE SURVEYOR CANNOT, AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.
7. ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC.) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.
8. UNLESS SPECIFICALLY NOTED HEREON, THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.
9. PRIOR TO ANY DESIGN OR CONSTRUCTION, THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
10. THIS SURVEY IS NOT VALID WITHOUT THE EMBOSSED OR INKED SEAL OF THE PROFESSIONAL.

LEGAL DESCRIPTION - AS SURVEYED

PARCEL 1

SITUATED IN THE1ST WARD OF THE CITY OF PITTSBURGH, COUNTY OF ALLEGHENY AND COMMONWEALTH OF PENNSYLVANIA. BEING PART OF LOT NUMBER 61 OF THE GEORGE MILTENBERGER PLAN OF LOTS, AS RECORDED IN THE RECORDER'S OFFICE OF ALLEGHENY COUNTY IN PLAN BOOK VOLUME 2, PAGE 141:

COMMENCING AT A POINT LOCATED AT THE NORTHERN RIGHT OF WAY OF LOCUST STREET (60 FEET WIDE) AND WESTERN RIGHT OF WAY OF MILTENBERGER STREET (50 FEET WIDE); THENCE ALONG NORTHERN RIGHT OF WAY OF SAID LOCUST STREET NORTH 85°19'07" WEST, A DISTANCE OF 120.00 FEET TO THE TRUE POINT OF BEGINNING.

COURSE NO.1 THENCE ALONG THE WESTERLY LINE OF CLARK LOCUST LLC, PARCEL NUMBER 11-J-173, PLAN BOOK VOLUME 17525, PAGE 1: NORTH 4°40'53" EAST, A DISTANCE OF 70.00 FEET TO A POINT;

COURSE NO.2 THENCE ALONG THE SOUTHERLY LINE OF LOT B OF THE PAPALIA PLAN OF LOTS, AS RECORDED IN THE RECORDER'S OFFICE OF ALLEGHENY COUNTY IN PLAN BOOK VOLUME 122, PAGE 49, NORTH 85°19'07" WEST, A DISTANCE OF 24.00 FEET TO A POINT ON THE EASTERLY LINE OF NOW OR FORMERLY GERARD DAMINI, PARCEL NO. 11-J-168, OF THE RECORDER'S OFFICE OF ALLEGHENY COUNTY IN DEED BOOK VOLUME 15483, PAGE 77;

COURSE NO.3 THENCE ALONG SAID EAST LINE OF SAID PARCEL 11-J-168, SOUTH 4°40'53" EAST, A DISTANCE OF 10.00 FEET TO A POINT ON THE NORTH LINE OF NOW OR FORMERLY CLARK LOCUST LLC, PARCEL NUMBER 11-J- 171 OF THE RECORDER'S OFFICE OF ALLEGHENY COUNTY IN DEED BOOK VOLUME 16806, PAGE 118;

COURSE NO.4 THENCE ALONG SAID NORTH LINE OF SAID PARCEL NUMBER 11-J-171; SOUTH 85°19'07" EAST, A DISTANCE OF 0.17 FEET TO A POINT ON THE NORTHEAST CORNER OF SAID PARCEL NUMBER 11-J-171.

COURSE NO.5 THENCE ALONG SAID EAST LINE OF PARCEL NUMBER 11-J-171; SOUTH 4°40'53" WEST, A DISTANCE OF 60.00 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF SAID LOCUST STREET;

COURSE NO.6 THENCE ALONG SAID LOCUST SOUTH 85°19'07" EAST, A DISTANCE OF 23.83 FEET TO THE PLACE OF BEGINNING, SAID AREA CONTAINING 0.0383 ACRES OR 1,670 SQUARE FEET OF LAND BEING THE SAME MORE OR LESS AND BEING SUBJECT TO ALL LEGAL HIGHWAYS AND EASEMENTS.

PARCEL 2
SITUATED IN THE1ST WARD OF THE CITY OF PITTSBURGH, COUNTY OF ALLEGHENY AND COMMONWEALTH OF PENNSYLVANIA. BEING PART OF LOT NUMBER 62 OF THE GEORGE MILTENBERGER PLAN OF LOTS, AS RECORDED IN THE RECORDER'S OFFICE OF ALLEGHENY COUNTY IN PLAN BOOK VOLUME 2, PAGE 141:

COMMENCING AT A POINT LOCATED AT THE NORTHERN RIGHT OF WAY OF LOCUST STREET (60 FEET WIDE) AND WESTERN RIGHT OF WAY OF MILTENBERGER STREET (50 FEET WIDE); THENCE ALONG NORTHERN RIGHT OF WAY OF SAID LOCUST STREET NORTH 85°19'07" WEST, A DISTANCE OF 96.00 FEET TO THE TRUE POINT OF BEGINNING.

COURSE NO.1 THENCE ALONG THE WESTERLY LINE OF CLARK LOCUST LLC, PARCEL NUMBER 11-J-176, PLAN BOOK VOLUME 17018, PAGE 149: NORTH 4°40'53" EAST, A DISTANCE OF 60.00 FEET TO A POINT ON THE SOUTHERLY LINE OF NOW OR FORMERLY ANGELO NORELLI, PARCEL NUMBER 11-J-174, OF THE RECORCER'S OFFICE OF ALLEGHENY COUNTY IN DEED BOOK VOLUME 12279, PAGE 148;

COURSE NO.2 THENCE ALONG THE SOUTHERLY LINE OF SAID PARCEL NUMBER 11-J-174, NORTH 85°19'07" WEST, A DISTANCE OF 24.00 FEET TO A POINT ON THE EASTERLY LINE OF NOW OR FORMERLY CLARK LOCUST LLC, PARCEL NO. 11-J-172, OF THE RECORDER'S OFFICE OF ALLEGHENY COUNTY IN DEED BOOK VOLUME 17525, PAGE 1;

COURSE NO.3 THENCE ALONG SAID EAST LINE OF SAID PARCEL 11-J-172, SOUTH 4°40'53" EAST, A DISTANCE OF 60.00 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF SAID LOCUST STREET;

COURSE NO.6 THENCE ALONG SAID LOCUST SOUTH 85°19'07" EAST, A DISTANCE OF 24.00 FEET TO THE PLACE OF BEGINNING, SAID AREA CONTAINING 0.0330 ACRES OR 1,440 SQUARE FEET OF LAND BEING THE SAME MORE OR LESS AND BEING SUBJECT TO ALL LEGAL HIGHWAYS AND EASEMENTS.

THIS DESCRIPTION IS PREPARED IN ACCORDANCE WITH A PLAN ENTITLED" ALTA/NSPS LAND TITLE SURVEY "PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., JOB NO. 250088701, DRAWING NO. VL101, DATED JUNE 19, 2019.

UTILITY COMPANY	ADDRESS
PEOPLES GAS COMPANY LLC	375 NORTH SHORE DRIVE, PITTSBURGH, PA. 15212
VERIZON PENNSYLVANIA LLC	1026 HAY ST, PITTSBURGH, PA. 15221
PITTSBURGH WATER & SEWER AUTHORITY	1200 PENN AVE., PITTSBURGH, PA. 15222
PITTSBURGH CITY DEPT. OF PUBLIC WORKS	611 SECOND AVE. PITTSBURGH, PA. 15219
DUQUESNE LIGHT COMPANY	2645 NEW BEAVER AVE., PA-TD, PITTSBURGH, PA. 15233
NRG ENERGY CENTER PITTSBURGH LLC	111 S COMMONS AVE, PITTSBURGH, PA. 15212
UPMC MERCY HEALTH SYSTEM	1400 LOCUST STREET, PITTSBURGH, PA. 15219
PACT STANWIX PLANT	120 CECIL WAY, PITTSBURGH, PA. 15222
COMCAST CABLEVISION	1530 CHARTIERS AVE, PITTSBURGH, PA. 15204

LEGEND (NOT SHOWN TO SCALE)

⊠ ◎ ○	MONUMENTATION FOUND (TYPE AS NOTED)	REC.	DEED OF RECORD
●	SET ¾" X 30" STEEL PIN WITH CAP "LANGAN"	AC.	ACRES
⊗	SET DRILL HOLE	CALC.	CALCULATED
	HYDRANT	OBS.	OBSERVED
	STAND PIPE	SQ. FT.	SQUARE FEET
•	ROOF DRAIN	CSR.	CITY SURVEY RECORD
●	BOLLARD	AFN	AUDITOR'S FILE NUMBER
	STREET LIGHT	PN	PARCEL NUMBER
	AREA LIGHT	VOL.	DEED VOLUME
	SIGNAL POLE	PG.	PAGE
	POWER POLE	LSA	LANDSCAPE AREA
	GUY WIRE	CP	CONCRETE PAD
Ⓜ Ⓢ Ⓣ Ⓔ Ⓦ	MANHOLE (TYPE AS LABELED)	CC	CONCRETE CURB
	WATER VALVE	EP	EDGE OF PAVEMENT
	GAS VALVE		FENCE (TYPE AS NOTED)
	UNKNOWN VALVE		SUBJECT PROPERTY LINE
	CATCH BASIN		ADJOINING PROPERTY LINE
	CLEAN OUT		EASEMENT LINE
	SIGN		TREE LINE
●	BOLLARD		GUIDE RAIL (TYPE AS NOTED)
	ELECTRIC BOX	ST ST ST	STEAM LINE
	ELECTRIC METER		OVERHEAD WIRE
	GAS METER	COMB COMB	COMBINED SEWER LINE
	WATER METER	G	GAS LINE
	TELEPHONE BOX	W	WATER LINE
	TRAFFIC SIGNAL POLE	E	ELECTRIC LINE
	DOOR	T	COMMUNICATION LINE
	DOUBLE DOOR	S	SANITARY LINE
	GARAGE DOOR	D	DRAINAGE LINE
		X#	REFERENCE UTILITY LINE (TYPE AS NOTED) - PLOTTED FROM EXISTING MAPPING

PROJECT LOCATION MAP

SCALE: NOT TO SCALE

SOURCE: www.google.com/maps

PARKING

0 PARKING SPACES
0 HANDICAP PARKING SPACES
0 TOTAL PARKING SPACES

BASIS OF BEARINGS

MERIDIAN IS REFERENCED TO PENNSYLVANIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83, PER GPS OBSERVATIONS IN DECEMBER, 2017.

DATUM

VERTICAL DATUM IS NAVD 88 OBTAINED FROM GPS OBSERVATIONS ON 12/13/2017

BENCHMARK

BM 7 – MAG NAIL, ELEV=826.00

UTILITY INFORMATION

DESIGN TICKET 20191551077-000
DIG TICKET 20191551057-000

10 0 2 4 10
SCALE: 1 INCH = 10 FEET

Date	Description	No.

REVISIONS

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317
T: 724.514.5100 F: 724.514.5101 www.langan.com

Project

1717 LOCUST ST.

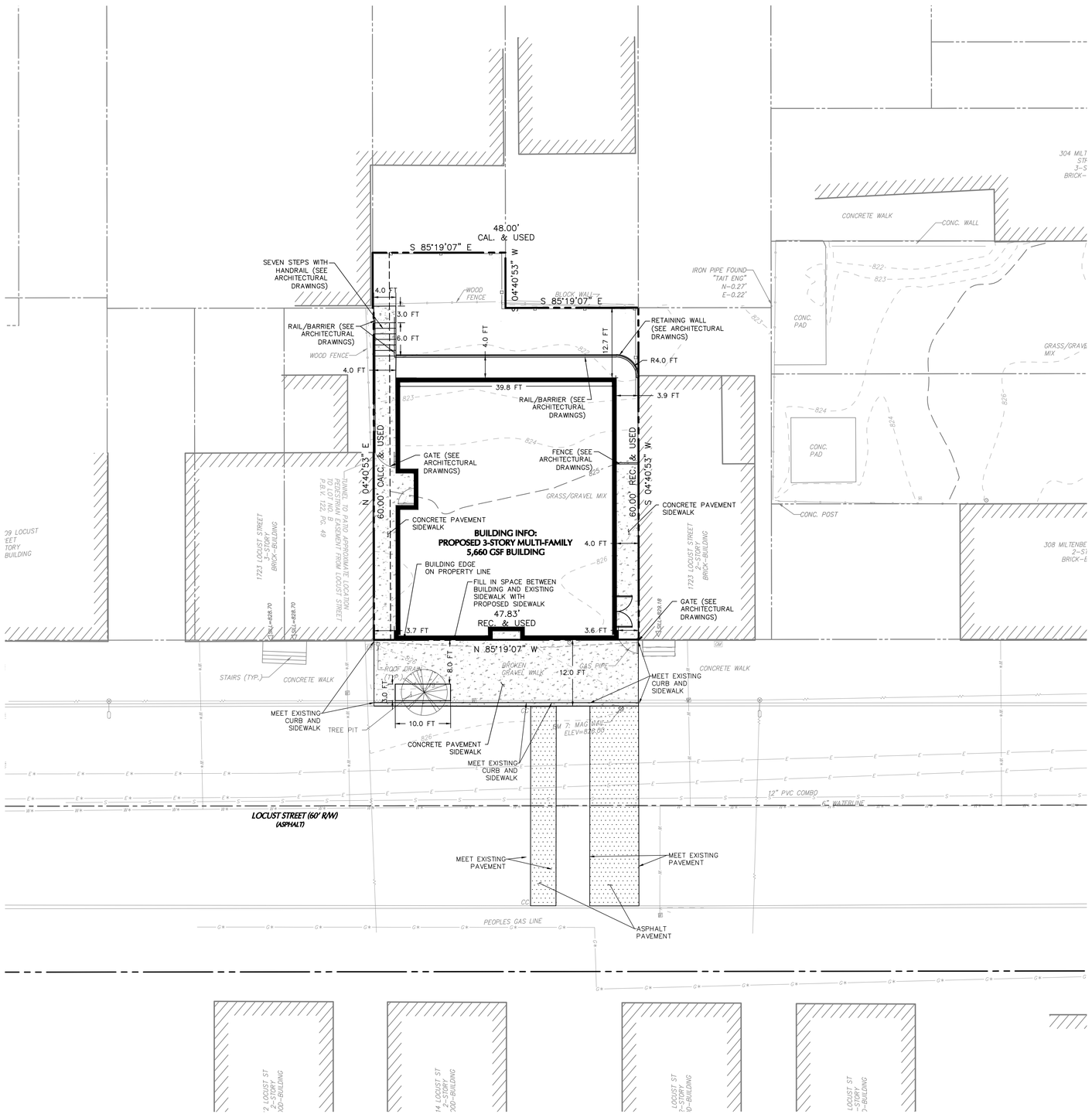
PN: 11-J-172 & 11-J-173
1ST WARD
CITY OF PITTSBURGH
ALLEGHENY COUNTY PENNSYLVANIA

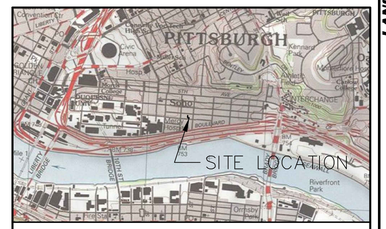
Drawing Title

ALTA/NSPS LAND TITLE SURVEY

Project No.	Drawing No.
250088701	VL101
Date: JUNE 19, 2019	
Drawn By: BLR	
Checked By: ALM	Sheet 1 of 1

PROJECT NO. 250088701





PROJECT LOCATION MAP

SCALE: 1" = 2000'

SOURCE:
USGS PITTSBURGH EAST QUADRANGLE

GENERAL NOTES

1. THESE PLANS ARE DESIGN DEVELOPMENT LEVEL PLANS NOT INTENDED FOR CONSTRUCTION. THESE PLANS ARE COMPLETED WITH EXISTING BOUNDARY AND TOPOGRAPHY INFORMATION BASED ON A PLAN TITLED "ALTA/ NSPS LAND TITLE SURVEY" FOR PROJECT "1717 LOCUST STREET" BY LANGAN AND DATED JUNE 19, 2019.
2. THESE PLANS REPRESENT THE OVERALL SITEWORK IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
3. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
4. THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFIS) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE RFI SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
5. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO CONSTRUCTION.
6. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
7. REMOVE EXISTING CURB AS SHOWN ON THE DEMOLITION PLAN. REMOVE EXISTING PAVEMENT AS NECESSARY TO ACCOMMODATE CURB REMOVAL AND REPLACE WITH NEW CURB AS SHOWN ON THIS PLAN. REPAIR PAVEMENT AND ADJACENT CURB AS NECESSARY.
8. PAVEMENT AFFECTED BY TRENCHING OR OTHER CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL AND PROPER CONDITION.
9. REFER TO LANDSCAPE PLAN FOR PLANTING LOCATIONS AND SPECIFICATIONS.
10. THESE PLANS ARE SUBJECT TO CHANGE PENDING THE FOLLOWING REGULATORY AGENCY REVIEW AND APPROVAL.
    - PENNSYLVANIA DEP
    - ALLEGHENY COUNTY HEALTH DEPARTMENT
    - ALLEGHENY COUNTY CONSERVATION DISTRICT
    - CITY OF PITTSBURGH
    - PITTSBURGH WATER AND SEWER AUTHORITY

LEGEND

	EXISTING	PROPOSED
PROPERTY BOUNDARY		
BUILDING LINE		
CONCRETE PAVEMENT		
ASPHALT PAVEMENT		
CONCRETE CURB		
DOOR		
FENCE		
MANHOLE	E P S	
INLET		
TREE		

10 0 2 4 10
SCALE: 1 INCH = 10 FEET

NOT FOR CONSTRUCTION

Date	Description	No.
REVISIONS		

SIGNATURE DATE SIGNED
PROFESSIONAL SCOTT ROWLAND
STATE LIC. No. PE80563

LANGAN
Langan Engineering and Environmental Services, Inc.
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317
T: 724.514.5100 F: 724.514.5101 www.langan.com

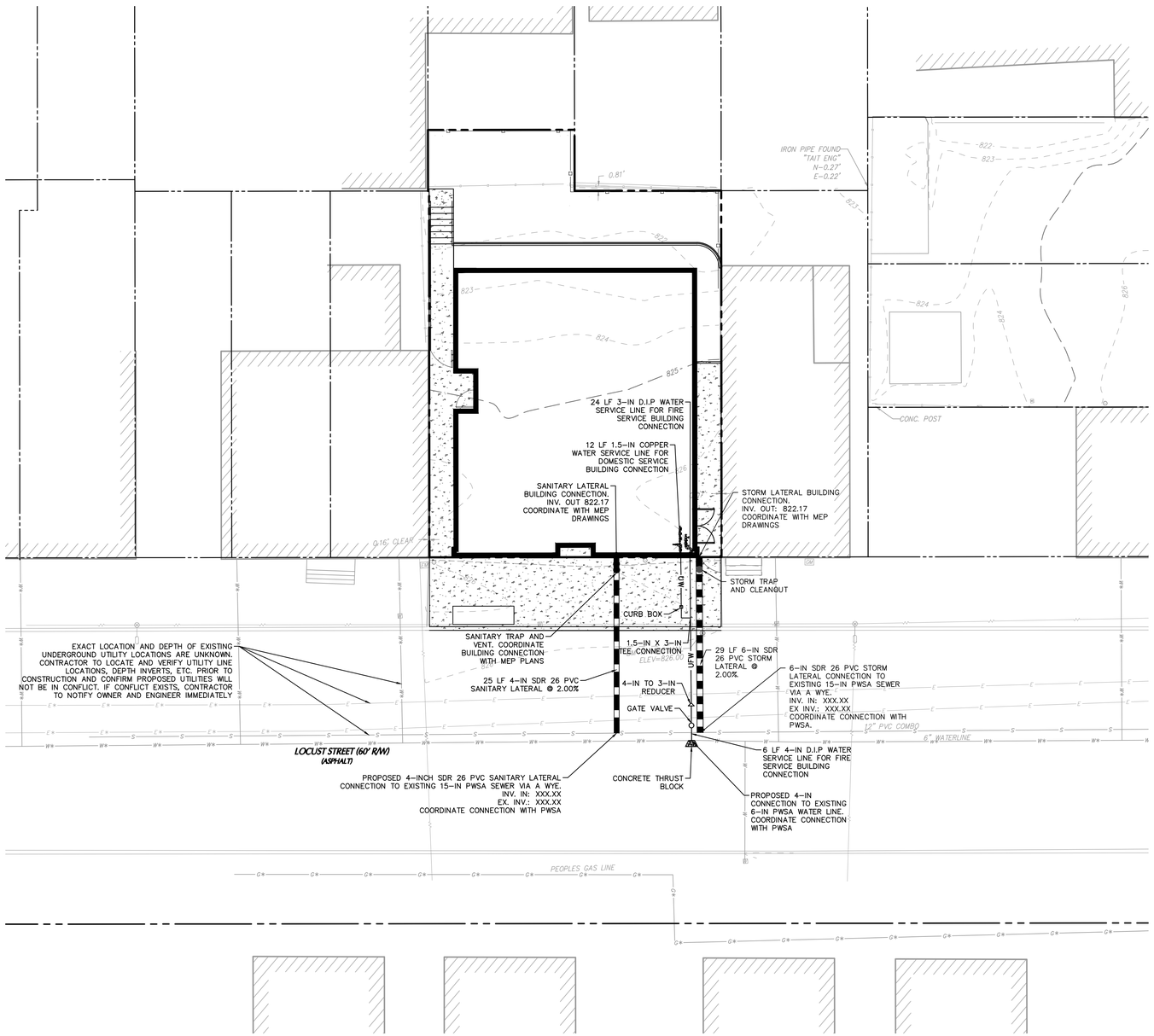
Project
1717 LOCUST STREET
PN: 11-J-172 & 11-J-173
CITY OF PITTSBURGH
ALLEGHENY COUNTY PENNSYLVANIA

Drawing Title
SITE PLAN

Project No. 250088701
Date 08/27/2019
Drawn By NRK
Checked By BDH

Drawing No. CS101
Sheet 2 of 7

LANGAN PROJECT NO. 250088701



UTILITY NOTES

1. EXISTING BOUNDARY AND TOPOGRAPHY IS BASED ON A PLAN TITLED "ALTA/ NSPS LAND TITLE SURVEY" FOR THE "1717 LOCUST STREET" PROJECT SITUATED IN "ALLEGHENY COUNTY, PENNSYLVANIA," PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC., DATED JUNE 19, 2019.
2. THE CONTRACTOR IS RESPONSIBLE TO BECOME THOROUGHLY FAMILIAR WITH THE ENGINEERING, DRAINAGE, AND UTILITY STANDARDS OF THE LOCAL MUNICIPALITY AND COUNTY THAT THE PROJECT IS LOCATED IN. ALL LOCAL MUNICIPALITY AND COUNTY STANDARDS WILL TAKE PRECEDENCE OVER THE DETAILS, SPECIFICATIONS, AND NOTES PROVIDED ON THESE DRAWINGS, UNLESS SPECIFICALLY ADDRESSED OTHERWISE BY LANGAN DURING THE PROJECT UPON REQUEST FROM THE CONTRACTOR.
3. THE CONTRACTOR SHALL NOTIFY ONE CALL OF PENNSYLVANIA, AND ANY OTHER UTILITY COMPANIES NOT REPRESENTED BY ONE CALL OF PENNSYLVANIA, 72 HOURS PRIOR TO CONSTRUCTION FOR LOCATION OF EXISTING UTILITIES. NOTIFY ONE CALL OF PENNSYLVANIA AT 1-800-242-1776.
4. TRENCH DEPTH REQUIREMENTS MEASURED FROM FINISHED GRADE SHALL MEET THE FOLLOWING:
   - SANITARY SEWER: DEPTHS, ELEVATIONS AND GRADES AS INDICATED ON DRAWINGS.
   - WATER MAINS: 48 INCHES TO TOP OF PIPE BARREL OR 6 INCHES BELOW THE FROST LINE OR ESTABLISHED BY THE LOCAL BUILDING OFFICIAL OR WATER COMPANY, WHICHEVER IS DEEPER
   - GAS MAINS AND SERVICE: 30 INCHES MINIMUM TO TOP OF PIPE, OR AS REQUIRED BY THE LOCAL UTILITY COMPANY, WHICHEVER IS DEEPER.
5. UTILITY TESTING INCLUDING (BUT NOT LIMITED TO) WATER PRESSURE TESTING, WATER SYSTEM FLUSHING, BACTERIOLOGICAL TESTING, VIDEO CAMERA TESTING, MANDREL TESTING, OR ANY OTHER TESTING REQUIRED BY LOCAL, COUNTY, OR STATE AGENCIES PRIOR TO FINAL ACCEPTANCE OF THE PROJECT AND CERTIFICATE OF OCCUPANCIES BEING ISSUED SHALL BE COORDINATED AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE ENGINEER OF RECORD SHALL BE GIVEN 48 HOURS NOTICE PRIOR TO ALL TESTING. THE CONTRACTOR IS SOLELY RESPONSIBLE TO CONTACT AND COORDINATE THE LOCAL AND COUNTY OFFICIALS THAT ARE REQUIRED TO BE PRESENT AT ALL INSPECTIONS. LOCAL FIRE INSPECTORS SHALL BE INVITED TO INSPECT ALL FIRE SERVICE LINES PRIOR TO BACKFILLING OF TRENCHES.
6. THE LOCATIONS (VERTICAL AND HORIZONTAL) OF ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF THE UTILITIES PRIOR TO CONSTRUCTION. ANY UTILITIES (WHETHER THEY ARE SHOWN OR NOT SHOWN ON THE DRAWINGS) DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT HIS COST.
7. WHERE CONFLICTS ARISE BETWEEN EXISTING OR PROPOSED WATER LINES AND OTHER UTILITIES, STORMWATER CONVEYANCE SYSTEMS OR STRUCTURES, THE WATER LINES SHALL BE ADJUSTED BENEATH OR AROUND THE CONFLICT AS NECESSARY IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
8. PVC POTABLE WATER MAINS SHALL BE SOLID BLUE IN COLOR. DUCTILE IRON WATER MAINS SHALL BE PAINTED WITH BLUE BANDS. CONTRACTORS SHALL INSTALL ALL NEW OR ALTERED WATER PIPES IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS AND / OR ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES.
9. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS, LATEST REVISIONS. HYDROSTATIC TESTING FOR PVC MAINS SHALL BE 150 PSI FOR MINIMUM OF 2 HOURS AND MEET AWWA STANDARD C-600. ALL NEW MAINS SHALL BE DISINFECTED PER AWWA STANDARD C-651. BACTERIOLOGICAL TESTS FOR 2 CONSECUTIVE DAYS SHALL BE APPROVED PRIOR TO PLACING SYSTEM INTO SERVICE. CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER OF RECORD WITH AWWA C906 AND NSF-61 CERTIFICATIONS.
10. ALL WATER LINES SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE ENTIRE LENGTH. THE PROTECTION TAPE SHALL BE INSTALLED DURING THE BACKFILLING 2 FEET ABOVE PIPE AND 2 FEET BELOW FINISHED GRADE DIRECTLY OVER THE PIPE AND BE CONTINUOUSLY MARKED WITH "CAUTION WATER PIPE", THE TAPE SHALL HAVE AN EMBEDDED METALLIC DETECTABLE STRIP AND BE BLUE IN COLOR. PROTECTION TAPE SHALL BE TERRA-TAPE OR APPROVED EQUAL.
11. ALL SANITARY SEWER LINES SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE ENTIRE LENGTH. THE PROTECTION TAPE SHALL BE INSTALLED DURING BACKFILLING AT LEAST 2 FEET ABOVE THE PIPE, AT LEAST 2 FEET BELOW THE FINISHED GRADE, AND AT MOST 4 FEET BELOW THE FINISHED GRADE. THE PROTECTION TAPE SHALL BE PLACED DIRECTLY OVER THE PIPE AND BE CONTINUOUSLY MARKED WITH "SEWER". THE PROTECTION TAPE MUST BE ELECTRONICALLY LOCATABLE AND BE BRIGHTLY COLORED PLASTIC. THE SELECTION AND INSTALLATION OF THE PROTECTION TAPE MUST MEET THE REQUIREMENTS SPECIFIED WITHIN THE PWSA PROCEDURES MANUAL.
12. ALL GAS LINES SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE ENTIRE LENGTH. THE PROTECTION TAPE MUST BE INSTALLED DURING THE BACKFILLING APPROXIMATELY 6 INCHES BELOW THE FINISHED GRADE. THE PROTECTION TAPE SHALL BE PLACED DIRECTLY OVER THE PIPE AND BE CONTINUOUSLY MARKED WITH "CAUTION-GAS PIPE BELOW". THE PROTECTION TAPE SHALL BE 6 INCH WIDE YELLOW PLASTIC PAIRED WITH A SOLID COPPER TRACER WIRE WITH YELLOW THERMOPLASTIC COATING OF AT LEAST #12 AWG. THE SELECTION AND INSTALLATION OF THE PROTECTION TAPE AND TRACER WIRE MUST MEET THE REQUIREMENTS SPECIFIED WITHIN THE PEOPLE'S NATURAL GAS SERVICE LINE INSTALLATION STANDARDS (INSTALLER'S GUIDE).
13. AT THE POINT WHERE THE PROPOSED SANITARY SEWER CONSTRUCTION MEETS A LIVE OR EXISTING SEWER, THE NEW SANITARY SEWER SHALL BE SECURELY PLUGGED UNTIL THE ENTIRE NEW SANITARY SEWER CONSTRUCTION IS COMPLETED AND READY FOR FINAL INSPECTION.
14. SANITARY SEWER CLEANOUTS SHALL BE PROVIDED WITHIN 5 FEET OF ALL BUILDING CONNECTIONS FOR ALL SEWER CONNECTIONS TO COMBINED SEWERS.
15. GRAVITY SANITARY SEWER LINES SHALL BE TESTED FOR INFILTRATION BY MEASURING FLOW OVER A V-NOTCH OR TESTED FOR EXFILTRATION BY FILLING THE LINE WITH WATER TO 10 FEET ABOVE THE INVERT OF THE MANHOLE. THE LIMITING RATE OF INFILTRATION SHALL NOT EXCEED 200 GALLONS PER 1-INCH DIAMETER PER MILE PER 24 HOURS. AN ALTERNATE TESTING METHOD SHALL BE AIR PRESSURE TESTING AT 5 PSI FOR A DURATION OF 10 MINUTES YIELDING NO OBSERVED DROP IN PRESSURE.
16. ANY UTILITY CONFLICTS WITH 18 INCHES OR LESS VERTICAL SEPARATION BETWEEN OUTSIDE OF PIPE AND OUTSIDE OF PIPE SHALL BE CONCRETE ENCASED.
17. ONCE EXISTING UTILITIES TO REMAIN ARE LOCATED, ANY POTENTIAL CONFLICTS WITH OTHER UTILITIES, RELOCATED UTILITY POLES, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
18. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL ALL THE APPROPRIATE UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAYS AT LEAST 72 HOURS BEFORE ANY EXCAVATION OR GRADING TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, DEPTHS AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THESE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. CALL PENNSYLVANIA ONE CALL SYSTEM- 1-800-242-1776.
19. ADJUST ALL EXISTING AND PROPOSED UTILITY FRAMES, GRATES, MANHOLE COVERS, VALVE BOXES, ETC. TO BE FLUSH WITH THE PROPOSED SURFACE ELEVATIONS WITHIN THE LIMITS OF CONSTRUCTION.
20. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS AND ANY LOCAL AUTHORITIES.
21. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO CONSTRUCTION.
22. STREET PAVEMENT AFFECTED BY TRENCHING OR OTHER CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL AND PROPER CONDITION. ALL WORK PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL RESTORATION OF STREET PAVEMENTS SHALL ABIDE BY THE POLICIES SET FORTH IN THE CITY OF PITTSBURGH RIGHT-OF-WAY PROCEDURES.
23. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION ALL UTILITY INSTALLATION REQUIREMENTS AND SPECIFICATIONS WITH EACH UTILITY PROVIDER.
24. ALL UTILITY CONNECTIONS AND UTILITY SERVICES FOR THE PROPOSED IMPROVEMENTS, INCLUDING CONDUIT LOCATIONS, UTILITY VAULTS, UTILITY VAULT LOCATIONS, JUNCTION BOXES, ETC. TO BE COORDINATED WITH MEP PLANS AND UTILITY AUTHORITES.

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
BUILDING LINE		
SANITARY SEWER		
SANITARY MANHOLE	S	
STORM SEWER	D	D
WATER LINE (REFERENCE)	W	W
WATER LINE		UW UW
WATER LINE FOR FIRE SERVICE		UFW
GAS LINE	G	G
GAS LINE (REFERENCE)	G	G
UNDERGROUND ELECTRIC LINE	E	E
ELECTRIC METER	E	
COMMUNICATIONS LINE	T	
COMMUNICATIONS MANHOLE	T	
UTILITY VAULT	U	

UTILITY PROVIDERS

WATER
THE PITTSBURGH WATER AND SEWER AUTHORITY
ADDRESS: PENN LIBERTY PLAZA I, 1200 PENN AVENUE, PITTSBURGH, PA 15222
PHONE: 412-255-8800
CONTACT: WENDY DEAN

SEWER
THE PITTSBURGH WATER AND SEWER AUTHORITY
ADDRESS: PENN LIBERTY PLAZA I, 1200 PENN AVENUE, PITTSBURGH, PA 15222
PHONE: 412-255-8800
CONTACT: WENDY DEAN

GAS
PEOPLES NATURAL GAS COMPANY LLC
ADDRESS: 375 NORTH SHORE DRIVE, PITTSBURGH, PA 15212
PHONE: 412-258-4708
CONTACT: BRANDON DATZ

ELECTRICITY
DUQUESNE LIGHT COMPANY
ADDRESS: 2825 NEW BEAVER AVENUE, PITTSBURGH, PA 15233
PHONE: 412-393-7816
CONTACT: GREG ALAN

TELEPHONE/COMMUNICATIONS
COMCAST BUSINESS SERVICES - KEYSTONE REGION WEST
ADDRESS: 2994 INDUSTRIAL BOULEVARD, BETHEL PARK, PA 15102
PHONE: 412-589-1980
CONTACT: DAVINA ADAMS

COMMUNICATIONS
VERIZON OF PA
ADDRESS: 3151 PIONEER AVENUE, PITTSBURGH, PA 15226
PHONE: 412-237-2291
CONTACT: DANIEL BARREN

NOT FOR CONSTRUCTION

10 0 2 4 10
SCALE IN FEET

Date	Description	No.
REVISIONS		

SIGNATURE DATE SIGNED
PROFESSIONAL SCOTT ROWLAND
STATE LIC. No. PE80563

LANGAN
Langan Engineering and Environmental Services, Inc.
2400 Ansys Drive, Suite 403
Canonsburg, PA 15317
T: 724.514.5100 F: 724.514.5101 www.langan.com

Project
1717 LOCUST STREET
PN: 11-J-172 & 11-J-173
CITY OF PITTSBURGH
ALLEGHENY COUNTY PENNSYLVANIA

Drawing Title
UTILITY PLAN

Project No. 250088701
Date 08/15/2019
Drawn By NRK
Checked By BDH

Drawing No. CU101
Sheet 4 of 7

LANGAN
PROJECT NO. 250088701

APPENDIX G
Cultural Resource Notice

SECTION G
SEWAGE FACILITIES PLANNING
MODULE COMPONENT 3

Re: Cultural Resources Notice (CRN)
1717 Locust Street
City of Pittsburgh, Allegheny County, Pennsylvania
Langan Project No.: 250088701

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, and does not contain any demolition of existing buildings.

APPENDIX H
PNDI

1. PROJECT INFORMATION

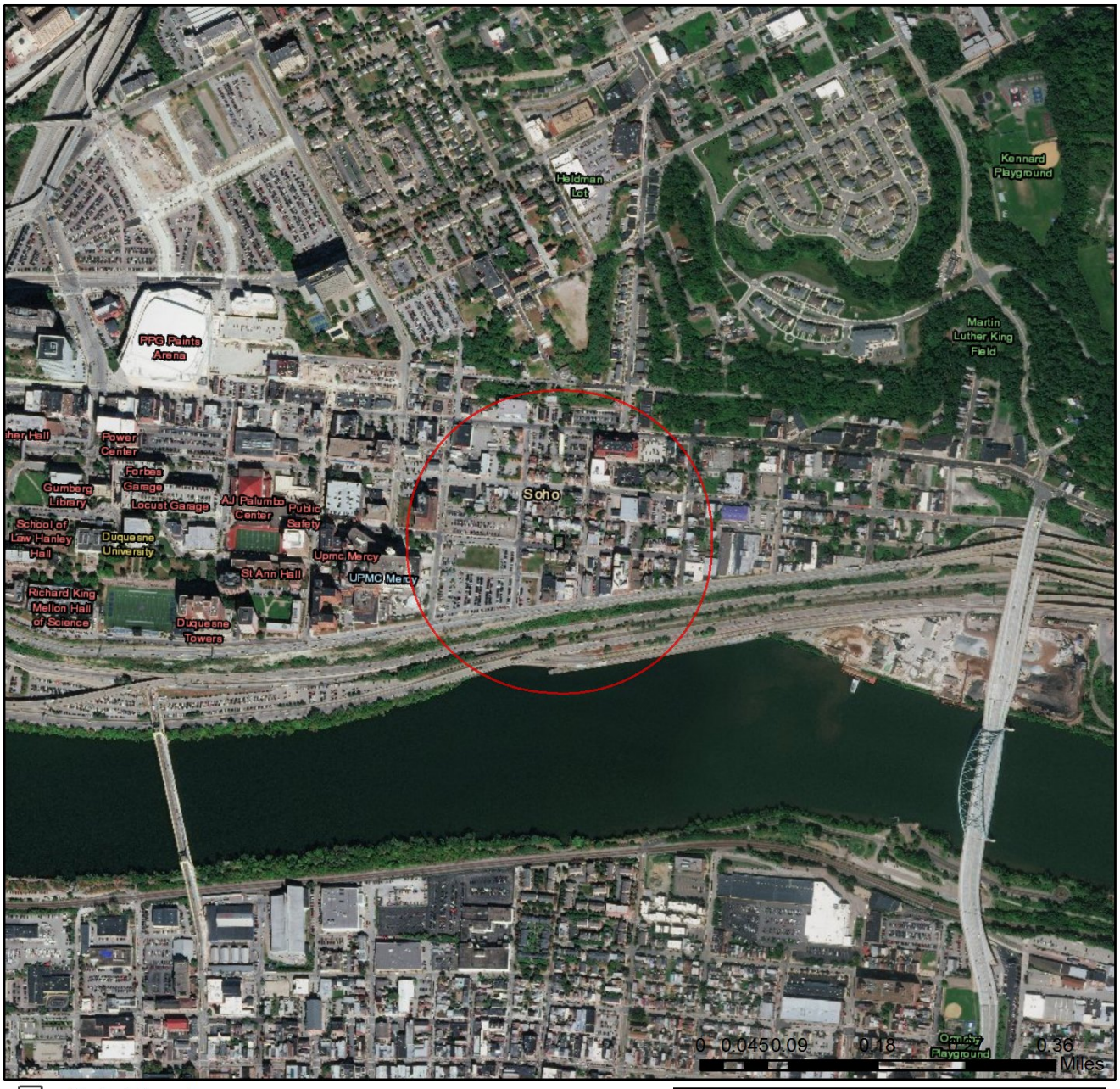
Project Name: **Uptown Locust St**
Date of Review: **6/7/2019 10:12:26 AM**
Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**
Project Area: **0.07 acres**
County(s): **Allegheny**
Township/Municipality(s): **PITTSBURGH**
ZIP Code: **15219**
Quadrangle Name(s): **PITTSBURGH EAST**
Watersheds HUC 8: **Lower Monongahela**
Watersheds HUC 12: **Streets Run-Monongahela River**
Decimal Degrees: **40.436749, -79.981977**
Degrees Minutes Seconds: **40° 26' 12.2973" N, 79° 58' 55.1158" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Uptown Locust St

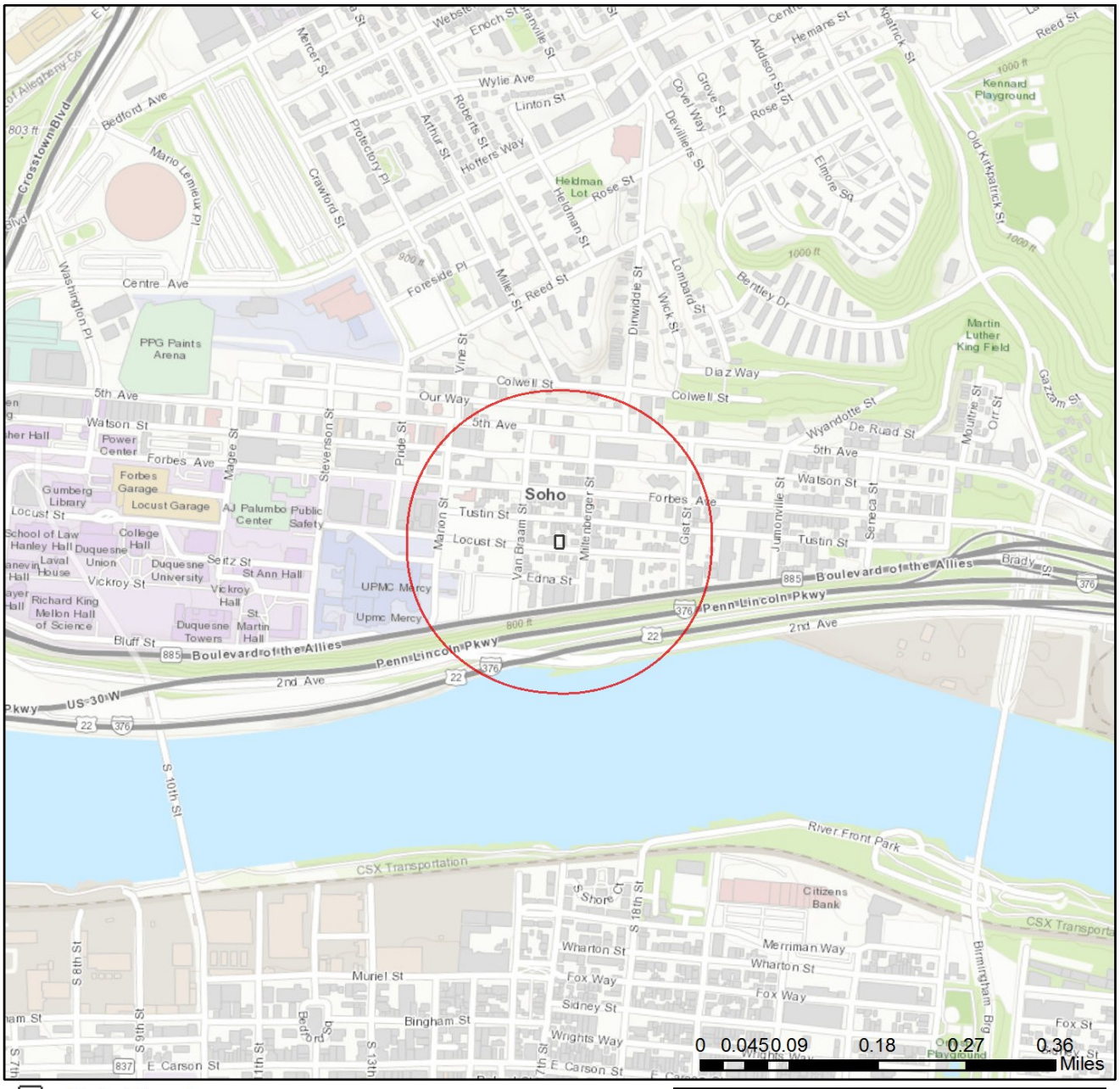


Project Boundary

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

Uptown Locust St



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 jursidictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission
RESPONSE:
No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources
RESPONSE:
No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission
RESPONSE:
No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service
RESPONSE:
No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

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

5. ADDITIONAL INFORMATION

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

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

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

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

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

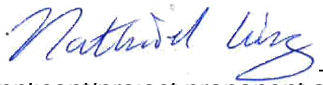
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Nathaniel King
Company/Business Name: Langan
Address: 2400 Ansys Drive
City, State, Zip: Canonsburg, PA, 15317
Phone: (724) 514-5129 Fax: ( )
Email: nking@langan.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.



applicant/project proponent signature

06/07/2019
date

APPENDIX I

Component 4A

3850-FM-BCW0362A 6/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:
02001-19-025

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
1717 Locust Street

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

1. Date plan received by municipal planning agency 11-18-19
2. Date review completed by agency 11-18-19

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

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

SECTION C. AGENCY REVIEW (continued)

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

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

Name: Martina Battistone
Title: Senior Environmental Planner
Signature: MBattistone
Date: 11-18-19
Name of Municipal Planning Agency: City of Pittsburgh, Planning
Address 200 Ross St. 4th Floor Pittsburgh, PA 15219
Telephone Number: (412) 255-2516

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

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

The planning agency must complete this component within 60 days.

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

APPENDIX J

Component 4C

3850-FM-BCW0362C 6/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:
02001-19-025

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
1717 Locust Street

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

1. Date plan received by county or joint county health department November 19, 2019

   Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency November 20, 2019

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: November 20, 2019

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 K

Completeness Checklist

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

- [X] Name and Address of land development project.
- [X] U.S.G.S. 7.5 minute topographic map with development area plotted.
- [X] Project Narrative.
- [X] Letter from water company (if applicable).
- [X] Alternative Analysis Narrative.
- [ ] Details of chosen financial assurance method.
- [X] Proof of Public Notification (if applicable).
- [X] Name of existing collection and conveyance facilities.
- [X] Name and NPDES number of existing treatment facility to serve proposed development.
- [X] Plot plan of project with required information.
- [X] 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).
- [X] Signature acknowledging False Swearing Statement.
- [ ] Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- [X] 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