

# SEWAGE FACILITIES PLANNING MODULE SUBMISSION

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**PROJECT: 128-134 EAST JEFFERSON STREET TOWNHOUSES**  
**LOCATION: 128-134 EAST JEFFERSON STREET, PITTSBURGH 15212**

**CITY OF PITTSBURGH  
ALLEGHENY COUNTY**

**PENNSYLVANIA**

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*Prepared For:*  
**MAZZARINI REAL  
ESTATE GROUP LLC  
1714 Borland Road,  
Pittsburgh, Allegheny 15243**

*Prepared By:*  
**WBCM LLC**  
600 BURSCA DRIVE  
Suite 609  
Bridgeville, PA 15017  
412-221-1920

**May, 2020**



Project: C20190622.01

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Component 4C - County or Joint Health Department Review



February 3, 2020

**Members of the Board**

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*Chair Person*

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*Director  
Communications*

Kevin Wilmot, P.E.  
WBCM  
600 Bursca Drive, Suite 609  
Pittsburgh, PA 15017

**Re: East Jefferson Street Townhomes, City of Pittsburgh  
PA DEP Sewage Facilities Planning Module Component 3  
ALCOSAN Regulator Structure A-48**

Dear Mr Wilmot:

We have reviewed the Planning Module Component 3 for the referenced project to be located in the City of Pittsburgh. The project will generate an estimated flow of 1600 GPD in the ALCOSAN Allegheny Interceptor and Woods Run Treatment Plant.

The capacity at the A-48-00 Regulator Structure is approximately 23.3 MGD. The monitored peak dry weather flow is approximately 4.78 mgd. Dry weather capacity exists for this connection. However, the ALCOSAN Allegheny 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 412-732-8004.

Sincerely,

**ALLEGHENY COUNTY SANITARY AUTHORITY**

Michael Lichte, P.E.  
Manager of Planning

Attachment

CC: T. Dean (w/o attachment)  
D. Thornton (w/o attachment)  
Shawn McWilliams (w/o attachment)  
Barry King, PWSA (w/o attachment)  
T. Flanagan/PaDEP (w/o attachment)  
F. Fields/ACHD (w/o attachment)

WBCM	
Job No.	File Code
Not To Be Archived	
RECEIVED	
FEB -7 2020	
Circulation	Initials



A-48

January 23, 2020

Allegheny County Sewage Authority  
Engineering  
3300 Preble Ave,  
Pittsburgh, PA 15233



Attention: Michael Lichte, P.E.

RE: Sewage Planning Module Acceptance and Completion  
128-132 EAST JEFFERSON STREET TOWNHOUSES  
Project 20190622.00

Dear Mike:

**Whitney, Bailey, Cox & Magnani, LLC (WBCM)** would like to provide the calculations and Project Narrative below. This accompanies the other information, signature sheets, and Planning Module Application enclosed here for your consideration and completion of the Module elements as necessary. The Pittsburgh Water and Sewer Authority acceptance with signature pages are provided enclosed and the following information is provided for understanding of the project. Please return the table and signature pages as needed and we will forward them for the developer to the City of Pittsburgh for further municipal consideration. Thank you in advance for your consideration.

Project Narrative:

The name of the project is 130 East Jefferson Townhomes located in the Central Northside neighborhood. The zoning at this location is R1A-VH. There are three existing lots that will be consolidated and then further subdivided so that a four-unit townhouse may be constructed. These lots are as named above. The combined area of the consolidated parcel is approximately 7,000 SF. A four-unit townhouse measuring approximately 50' deep by 72' long will be constructed on this 7,000 SF lot. The frontage on East Jefferson Street of this combined parcel is 79'. Sewer laterals and water services will be needed for all four of the proposed townhomes. Stormwater will be collected separately. There is an existing 36" sewer on East Jefferson Street that turns south at Fireman Way that can be utilized for the sanitary/combined sewer lateral connections. A 6" waterline is present on East Jefferson Street.

If there is anything else we can provide or if you would like to discuss the information enclosed, please contact me at 412-221-1920 or email me at [kwilmot@wbcm.com](mailto:kwilmot@wbcm.com).

Drinking Water, Stormwater, and Sewer Use Calculations

Water Use

Existing Water Use: (1 single family dwelling) (400 gpd)\* = 400 gpd

Proposed Water Use: Estimated (4 single family dwellings)(400 gpd)\* = 1,600 gpd

Difference: 1,200 gpd

Wastewater Generation:

Wastewater Existing Generation to be terminated: 1 single family dwelling (400 gpd) = 400 gpd (ref 1)

Wastewater Proposed Generation: four (4) single family dwellings (400 gpd) = 1600 gpd (ref 1)

Difference: 1,200 gpd

Stormwater Generation:

Stormwater Existing Generation:  $Q=ciA = (0.45(\text{ref } 2))(2.08 \text{ in}(\text{ref } 3))(7,050\text{SF}/43,560\text{SF}) = 0.14$

Stormwater Proposed Generation  $Q=ciA = (0.65 (\text{fer } 2))(2.08 \text{ in}(\text{ref } 3))(7,050\text{SF}/43,560\text{SF}/\text{Ac}) = 0.22 \text{ cfs}$

Difference: 0.08 cfs



**Notes:**

Note gpd = gallons per day

Note gpcd = gallons per capita day

Page 2

PWSA

128-132 East Jefferson St Townhouses

Note cfs= cubic feet per second

Note Reference 1 Pgh20 Developer's Guide, Chapter 2, Table 2-1

Note Reference 2 Pgh20 Developer's Guide, Chapter 2, Table 2-2

Note Reference 3 PennDOT Drainage Field Manual Rational Rainfall Values Region 3 Table 2-2

Thank you in advance for any assistance.

Very truly yours,

**WHITNEY BAILEY COX & MAGNANI, LLC**

A handwritten signature in blue ink, appearing to read 'Kevin S. Wilmot', is written over the company name.

Kevin S. Wilmot, PE  
Project Manager

Enclosures



Pittsburgh  
Water & Sewer  
Authority

January 10, 2020

Mr. Kevin Wilmot, P.E.  
Whitney Vailey Cox & Magnani, LLC  
600 Bursca Drive, Suite 609  
Pittsburgh, PA 15017

Subject: Sewage Facilities Planning Module (SFPM)  
Approval Letter for Collection System Flows  
Project Name: 130 E. Jefferson Street  
PWSA Project No.: 19013.59

Dear Mr. Wilmot:

Pursuant to your request, we have reviewed the SFPM and determined that the Project will not create a dry-weather hydraulic overload within the next five (5) years for any collection facility owned by the Pittsburgh Water and Sewer Authority (PWSA). We have enclosed for your use the originally signed "Section J – Chapter 94 Consistency Determination". Please be advised that this approval is limited to the collection system portion of the SFPM.

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at 412-255-8800 x5532 or RHerring@pgh2o.com.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Robert Herring', is written over the typed name and title.

Robert Herring, P.E.  
Engineering Consultant

Enclosures

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

**To:** Barry King, P.E.

**From:** Robert Herring, P.E.

**Date:** December 31, 2019

**Subject:** DEP Sewage Facilities Planning Module – Component 3  
Chapter 94 Consistency Determination  
Hydraulic Calculation Review  
130 E. Jefferson Street

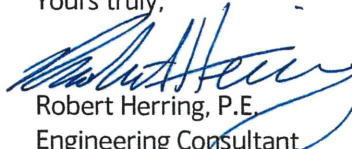
Dear Barry,

Pursuant to your request, we have reviewed the DEP Sewage Facilities Planning Module – Component 3 as submitted by Whitney, Bailey, Cox & Magnani, LLC (Applicant) for the 130 E. Jefferson Street (Project) located at 130 E. Jefferson Street, Pittsburgh, PA 15212. 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

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

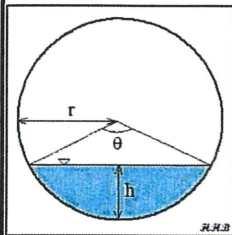
LEGEND:

Input Data

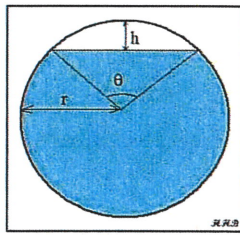
Output Data

PROJECT NAME: 130 E. Jefferson Street  
PROJECT LOCATION: 130 E. Jefferson Street, Pittsburgh, PA 15212  
TIE-IN LOCATION: E. Jefferson Street - 36" Brick  
PWSA REVIEWER: Robert Herring, P.E.  
DATE: December 31, 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 <sup>3</sup>	Volumetric flowrate
n	Unitless	Manning Roughness Coeff.
A	ft <sup>2</sup>	Cross-Sectional Area of Flow
R	ft	Hydraulic Radius
S	ft/ft	Slope of Hydraulic Grade Line
P	ft	Wetted Perimeter of "A"
r	ft	Radius
h	ft	Depth of Flow or Headspace
θ	radians	Central Angle

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

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

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

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

OR

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

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

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

Section B: Data for Calculations

Variable	Value	Units
n	0.016	unitless
Material	Brick	
S	0.068	ft/ft
h	0.125	ft
D	3.00	ft
h/D	0.041667	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 <sub>p</sub>	1,600	gpd

Section C: Design Flow Calculations

Variable	Description	Definition
Q <sub>d, peak</sub>	Design Peak Flow	full pipe flow conditions
Q <sub>d, avg</sub>	Design Avg. Flow	full pipe flow conditions divided by the peaking factor

January 10, 2020

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

Subject: Tap Allocation Authorization Letter

Dear Mr. Flanagan:

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

Project Name: 130 E. Jefferson Street

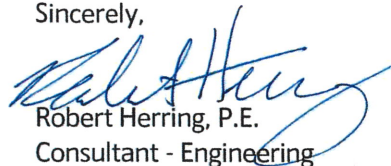
Project Address: 130 E. Jefferson Street  
Pittsburgh, PA 15212

Proposed Flow, gpd: 1,200

EDU's, 400gpd/EDU: 3.0

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)  
WBCM – Applicant (via email)  
Regis Ryan – DEP (via email)  
eBuilder – Filing System (via email)

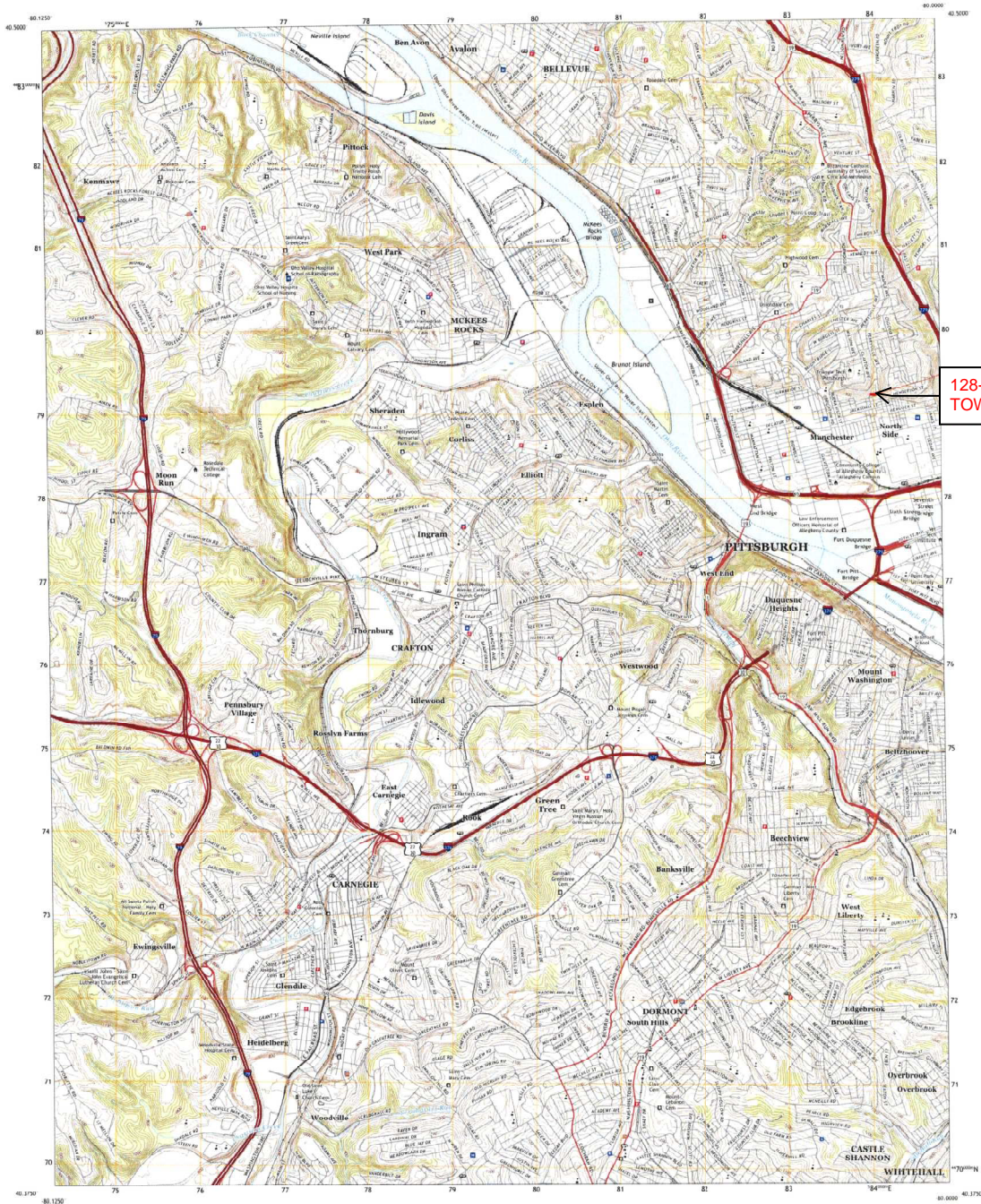
## **Site Location Map**



U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



PITTSBURGH WEST QUADRANGLE  
PENNSYLVANIA - ALLEGHENY COUNTY  
7.5-MINUTE SERIES



128-134 EAST JEFFERSON ST  
TOWNHOUSES

Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)

World Geodetic System of 1984 (WGS84) Projection and

1:250,000 scale Universal Transverse Mercator Zone 17T

This map is not a legal document. Boundaries may be

generalized for this map scale. Please check with the

appropriate agency for the most current information.

Copyright © 2017 U.S. Geological Survey

Map Date: May 2017

Map Scale: 1:24,000

Map Series: 7.5-Minute Series

Map Sheet: 128-134

Map Date: May 2017

Map Scale: 1:24,000

Map Series: 7.5-Minute Series

Map Sheet: 128-134

Map Date: May 2017

Map Scale: 1:24,000

Map Series: 7.5-Minute Series

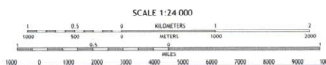
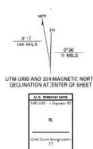
Map Sheet: 128-134

Map Date: May 2017

Map Scale: 1:24,000

Map Series: 7.5-Minute Series

Map Sheet: 128-134



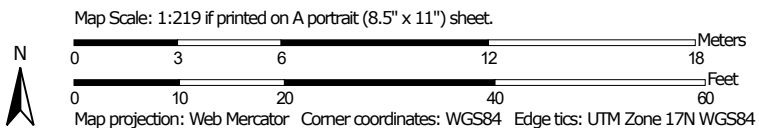
PITTSBURGH WEST, PA  
2019

## **Soils Map**

# Soil Map—Allegheny County, Pennsylvania



Soil Map may not be valid at this scale.




**Natural Resources  
Conservation Service**

Web Soil Survey  
National Cooperative Soil Survey


2/3/2020  
Page 1 of 3

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Allegheny County, Pennsylvania

Survey Area Data: Version 15, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 5, 2014—Aug 28, 2014

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
UWD	Urban land-Wharton complex, moderately steep	0.2	100.0%
<b>Totals for Area of Interest</b>		<b>0.2</b>	<b>100.0%</b>

**Supplement to Section E – Water  
Availability Letter from PWSA**

November 25, 2019

Mr. Joseph Johnson  
Gens Edifice, LLC  
4514 Walnut Ridge Circle  
Macdonald, PA 15057

Subject: Water and Sewer (W/S) Use Approval Letter  
130 East Jefferson Street

Dear Mr. Johnson:

Pursuant to your request, we have reviewed the Water and Sewer Use Application for the 130 East Jefferson (Project) located at 130 East Jefferson Street, Pittsburgh, PA 15212. We agree that the Project will result in the following flows:

Total Water Consumption, gpd:	1,600
Total Sanitary Flows, gpd:	1,600
Total Storm Flows, cfs:	0.22

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

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)  
eBuilder File (via email)

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

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

PROJECT NAME:	130 East Jefferson Street
PROJECT LOCATION:	130 East Jefferson Street, Pittsburgh, PA 15212
ALCOSAN INTERCEPTOR:	Allegheny
PWSA REVIEWER:	Robert Herring, P.E.
DATE:	November 25, 2019

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpm
MH023F118	MH023F117	848.21	833.57	170.31	36	BR	0.016	7.07	9.425	8.60%	102,967,970
MH023F117	MH023F116	833.57	821.82	138.59	36	BR	0.016	7.07	9.425	8.48%	102,259,737
MH023F116	JCT023F036	821.82	820.94	21.39	36	BR	0.016	7.07	9.425	4.11%	71,234,049
JCT023F036	MH023F114	820.94	806.42	205.32	36	BR	0.016	7.07	9.425	7.07%	93,894,084
MH023F114	MH023F111	806.42	803.14	89.30	42	BR	0.016	9.62	10.996	3.67%	101,528,425
MH023F111	JCT023F022	803.14	802.86	26.71	42	BR	0.016	9.62	10.996	1.05%	54,239,856
JCT023F022	MH023F109	802.86	794.54	259.53	42	BR	0.016	9.62	10.996	3.21%	94,851,529
MH023F109	JCT023F019	794.54	794.15	13.83	42	BR	0.016	9.62	10.996	2.82%	88,960,594
JCT023F019	MH023K042	794.15	784.24	298.05	42	BR	0.016	9.62	10.996	3.32%	96,598,131
MH023K042	JCT023J063	784.24	777.88	193.01	42	BR	0.016	9.62	10.996	3.30%	96,164,574
JCT023J063	MH023J036	777.88	774.40	101.18	42	BR	0.016	9.62	10.996	3.44%	98,246,874
MH023J036	MH023J035	774.40	763.80	238.44	42	BR	0.016	9.62	10.996	4.45%	111,696,569



Project Location

Most Limited Capacity Sewer

Sampling Location

Project No. \_\_\_\_\_

(PWSA USE ONLY)

# THE PITTSBURGH WATER AND SEWER AUTHORITY ENGINEERING AND CONSTRUCTION DIVISION

## WATER AND SEWER USE APPLICATION FORM

(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

- Name of Land Development Project 128-132 EAST JEFFERSON STREET TOWNHOUSES  
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 6<sup>th</sup> St.)* 128-132 EAST JEFFERSON ST, PITTSBURGH, PA 15212
- Nature of Development. Check appropriate box and provide total flows.  

	Total Water Consumption (gpd)	Total Sanitary Flows (gpd)	Total Storm Flows (cfs)
<input checked="" type="checkbox"/> Residential	<u>1600</u>	<u>1600</u>	<u>0.22 CFS*</u>
<input type="checkbox"/> Commercial	_____	_____	_____
- Acreage of development 0.016 acres
- Allegheny County Block & Lot Nos. DBV. 17659 PAGE 75
- Ownership of Land Development  

Name	Address
<u>TPX HOLDINGS LLC</u>	<u>4823 39TH PL UNIT # 1, LONG ISLAND CITY, NY, 11104</u>
- Applicant (Subdivider, Developer, or Responsible Project Agent)  

Name <u>JOSEPH JOHNSON</u>	Firm/Agency Name <u>GENS EDIFICE LLC (Owner's Rep)</u>
Address <u>4514 WALNUT RIDGE CIRCLE, MACDONALD, PA 15057</u>	
Telephone <u>724-495-9713</u>	Cell _____ Email _____

\*RATIONAL METHOD USING 25-YR 60 MIN PENNDOT AVERAGE TOTAL RAINFALL REGION 3 AND C=0.65 (PWSA TABLE 2-2) A=0.16Ac

### B. WASTEWATER AND STORMWATER FACILITIES

Provide information on collection and treatment facilities.

- COLLECTION SYSTEM**  
  - Number of proposed connections (sanitary and/or storm) FOUR (4)
  - Name of existing collection or conveyance system PWSA - ALCOSAN
  - Name of interceptor PITTSBURGH NORTH
  - Name of treatment facility ALCOSAN WWTP
- 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.	f. Existing and proposed right(s)-of-way.
b. Lot lines and lot sizes.	g. Existing and proposed street, roadway, etc.
c. Remainder of tract.	h. Water bodies and wetland areas.
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.)	



Applicant Signature

11/25/2019

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 Component are made subject to the penalties of 18 PA C.S.A. § 4904 relating to unsworn falsification to authorities.

128-132 EAST JEFFERSON STREET TOWNHOUSES

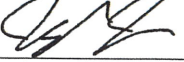
Name of Land Development Project (Same as on Page 1, Section A.1)

Joseph Johnson

owner's representative

Name (Print)

Title



4514 WALNUT RIDGE CIRCLE, MACDONALD, PA 15057

Signature

Address

724-495-9713

10/23/2019

Telephone Number

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.

*Even if planning shall be determined by the DEP.*

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

Conveyance and Treatment



Date

Pittsburgh Water and Sewer Authority

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

## **Supplement to Section F – Project Narrative**



November 15, 2019

Pittsburgh Water and Sewer Authority  
Engineering  
1200 Penn Ave  
Pittsburgh, PA 15222  
Attention: Rob Herring, P.E.

RE: Water and Sewer Use Application **Revision 11/25/2019**  
128-132 EAST JEFFERSON STREET TOWNHOUSES  
Project 20190622.00

Dear Ladies & Gentlemen:

**Whitney, Bailey, Cox & Magnani, LLC (WBCM)** would like to provide the calculations, and Project Narrative below. This accompanies the site plan required for the Sewer and Water Use Application for this development in the 25<sup>th</sup> Ward, City of Pittsburgh

Project Narrative:

The name of the project is 130 East Jefferson Townhomes located in the Central Northside neighborhood. The zoning at this location is R1A-VH. There are three existing lots that will be consolidated and then further subdivided so that a four unit townhouse may be constructed. These lots are as named above. The combined area of the consolidated parcel is approximately 7,000 SF. A four-unit townhouse measuring approximately 50' deep by 72' long will be constructed on this 7,000 SF lot. The frontage on East Jefferson Street of this combined parcel is 79'. Sewer laterals and water services will be needed for all four of the proposed townhomes. Stormwater will be collected separately. There is an existing 36" sewer on East Jefferson Street that turns south at Fireman Way that can be utilized for the sanitary/combined sewer lateral connections. A 6" waterline is present on East Jefferson Street.

If there is anything else we can provide or if you would like to discuss the information enclosed, please contact me at 412-221-1920 or email me at [kwilmot@wbcm.com](mailto:kwilmot@wbcm.com).

Drinking Water, Stormwater, and Sewer Use Calculations

Water Use

Existing Water Use: (1 single family dwelling) (400 gpd)\* = 400 gpd

Proposed Water Use: Estimated (4 single family dwellings)(400 gpd)\* = 1,600 gpd

Difference: 1,200 gpd

Wastewater Generation:

Wastewater Existing Generation to be terminated: 1 single family dwelling (400 gpd) = 400 gpd (ref 1)

Wastewater Proposed Generation: four (4) single family dwellings (400 gpd) = 1600 gpd (ref 1)

Difference: 1,200 gpd

Stormwater Generation:

Stormwater Existing Generation:  $Q=ciA = (0.45(\text{ref } 2))(2.08 \text{ in}(\text{ref } 3))(7,050\text{SF}/43,560\text{SF}) = 0.14$

Stormwater Proposed Generation  $Q=ciA = (0.65 (\text{fer } 2))(2.08 \text{ in}(\text{ref } 3))(7,050\text{SF}/43,560\text{SF}/\text{Ac}) = 0.22 \text{ cfs}$

Difference: 0.08 cfs

Notes:

Note \* = Revision made as directed by Rob Herring per 11/25/2019 email

Note gpd = gallons per day

Note gpdc = gallons per capita day



*Designing Infrastructure for Tomorrow®*

Page 2

PWSA

128-132 East Jefferson St Townshouses

Note cfs= cubic feet per second

Note Reference 1 Pgh20 Developer's Guide, Chapter 2, Table 2-1

Note Reference 2 Pgh20 Developer's Guide, Chapter 2, Table 2-2

Note Reference 3 PennDOT Drainage Field Manual Rational Rainfall Values Region 3 Table 2-2

Thank you in advance for any assistance.

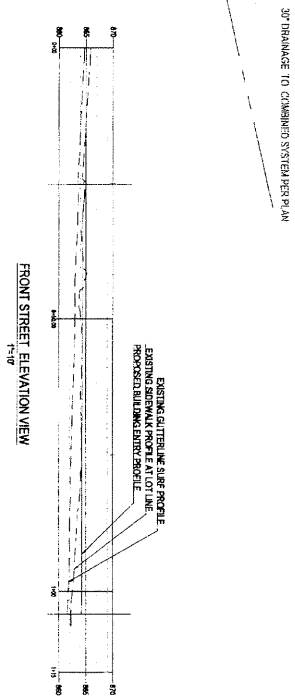
Very truly yours,

**WHITNEY BAILEY COX & MAGNANI, LLC**

Kevin S. Wilmot, PE  
Project Manager

Enclosures



[illegible]

SCHEMATIC DESIGN PHASE  
PRELIMINARY

SUBMISSION STAMP  
NOT FOR CONSTRUCTION


Checked	J.T.S.
Drawn	T.M.T.
Date	08/09/13
Project	2011-002-02
Drawn	

C202

C202

CONCEPT FOR PROPOSED UTILITY PLAN

130 EAST JEFFERSON AVENUE  
CITY OF PITTSBURGH, 25TH WARD  
SCHEMATIC DESIGN PHASE  
MAZZARINI REAL ESTATE GROUP LLC  
1714 BEDLAND ROAD  
PITTSBURGH, PA 15203



WHITNEY BAILEY COX & MAGNIANI, LLC  
300 East Joyce Road, Suite 300  
Baltimore, MD 21286  
410.672.4660 [www.wbcm.com](http://www.wbcm.com)

**WBCM**  
*Designing Infrastructure for Tomorrow®*

## **Supplement to Section G.3 – Plot Plans for Sewage Facilities Planning Purposes**

130 E. JEFFERSON STREET TOWNHOUSES

CITY OF PITTSBURGH

# LOT PLANS

PADEP PLANNING MODULE  
APPLICATION ATACHNMENT







## **Supplement to Section G.4 – Wetland Protection**

Wetland Statement There are no wetlands within, involved, or that will be impacted by this project.

## **Supplement to Section G.7 – Threatened Species (PNDI)**

## 1. PROJECT INFORMATION

Project Name: **East Jefferson Street Townhouses**

Date of Review: **5/21/2020 01:21:28 PM**

Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**

Project Area: **0.11 acres**

County(s): **Allegheny**

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

ZIP Code: **15212**

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

Watersheds HUC 8: **Lower Allegheny**

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

Decimal Degrees: **40.459433, -80.009547**

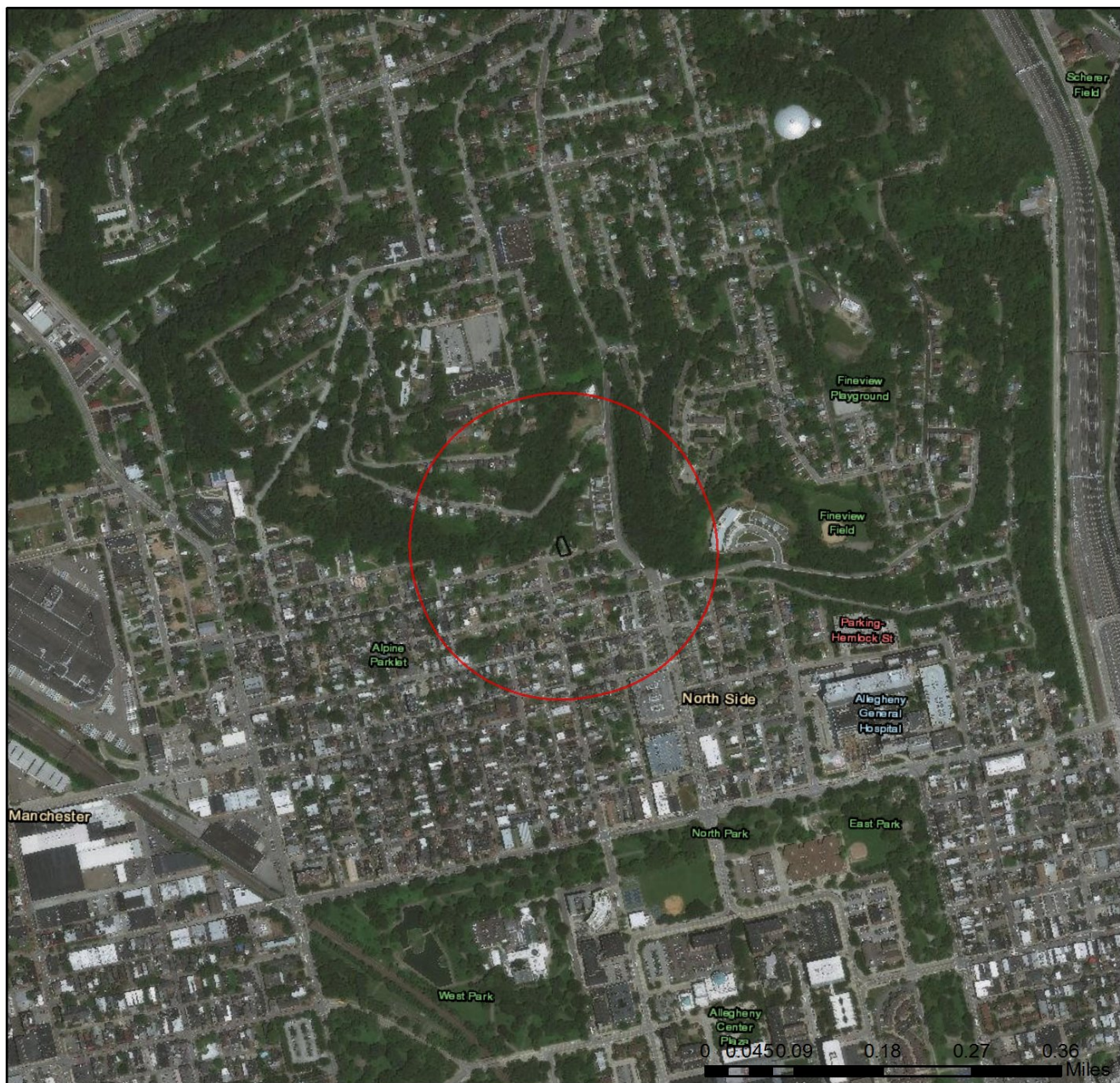
Degrees Minutes Seconds: **40° 27' 33.9603" N, 80° 0' 34.3702" W**

## 2. SEARCH RESULTS

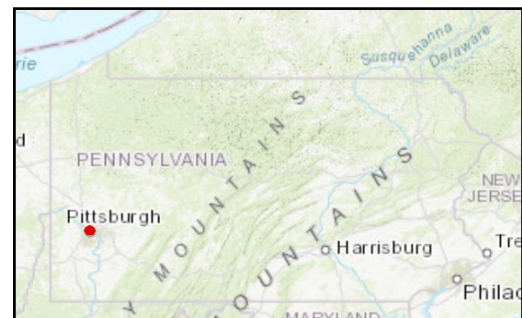
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No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

## East Jefferson Street Townhouses



- ☐ Project Boundary
- ☐ Buffered Project Boundary



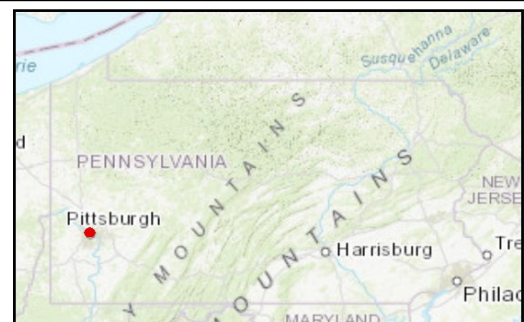
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

## East Jefferson Street Townhouses



- Project Boundary
- Buffered Project Boundary

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



## RESPONSE TO QUESTION(S) ASKED

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

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

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

**Your answer is:** No

### 3. AGENCY COMMENTS

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

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

#### PA Game Commission

##### RESPONSE:

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

#### PA Department of Conservation and Natural Resources

##### RESPONSE:

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

#### PA Fish and Boat Commission

##### RESPONSE:

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](http://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](mailto:RA-HeritageReview@pa.gov)

### PA Fish and Boat Commission

Division of Environmental Services  
595 E. Rolling Ridge Dr., Bellefonte, PA 16823  
Email: [RA-FBPACENOTIFY@pa.gov](mailto:RA-FBPACENOTIFY@pa.gov)

### U.S. Fish and Wildlife Service

Pennsylvania Field Office  
Endangered Species Section  
110 Radnor Rd; Suite 101  
State College, PA 16801  
Email: [IR1\\_ESPenn@fws.gov](mailto:IR1_ESPenn@fws.gov)  
NO Faxes Please

### 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](mailto:RA-PGC_PNDI@pa.gov)  
NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: Kevin Wilmot  
Company/Business Name: WBCM LLC  
Address: 600 Bursca Drive Suite 609,  
City, State, Zip: Bridgeville, PA 15017  
Phone: (\_\_\_\_) 412-221-1920 Fax: (\_\_\_\_) \_\_\_\_\_  
Email: kwilmot@wbcm.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 envi



applicant/project proponent signature

date

## **Supplement to Section H – Alternative Sewage Facilities Analysis**

## **Section H – Alternative Sewage Facilities Analysis**

128, 130, 132, and 134 East Jefferson Street 25<sup>th</sup> Ward City of Pittsburgh 15212

### **Proposed Method of Sewage Disposal**

The proposed project will be serviced by a gravity operated collection system which is owned and operated by Pittsburgh Water and Sewer Authority. The flows will be conveyed into an existing ALCOSAN interceptor and into the ALCOSAN sewage treatment plant.

### **Alternative Methods Considered**

An alternative method of sewage disposal includes an individual septic system. Various factors such as failure rates of septic systems, desirability of developed lot, and size of the developed lot are all deterrents to installing a septic system.

### **Alternative Alignments Considered**

The proposed method of sewage disposal will be a building sewage lateral connected to the main line gravity sewer, there are no other alternatives available for sewage disposal in the area. The proposed alignment which will convey sewage from the proposed site to the existing ALCOSAN sewage system was determined to be the optimal layout based on distance, slope, and elevation.

### **Conclusion**

The proposed method of providing sewer service is considered ultimate. The fact that an existing sewage interceptor and sewage treatment plant is nearby greatly reduces the justification for thoroughly considering various alternative methods.

## **Supplement to Section J – Flow Table Footnotes and Dry Weather Flow Calculation**

Project: 130 E. Jefferson Street Townhouses

Location: Jacksonia Street at Fireman's Way PWSA MH 23F-114

Purpose: Flow Measurement in structure

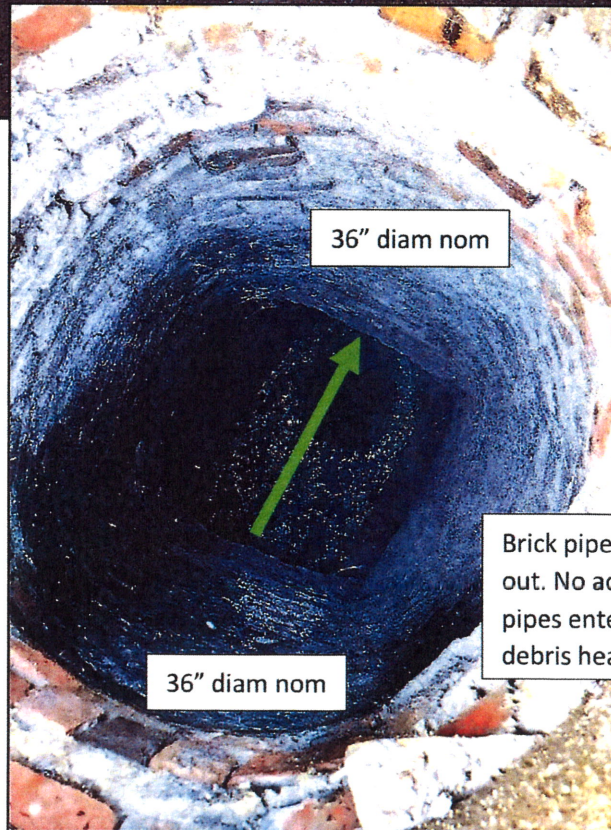
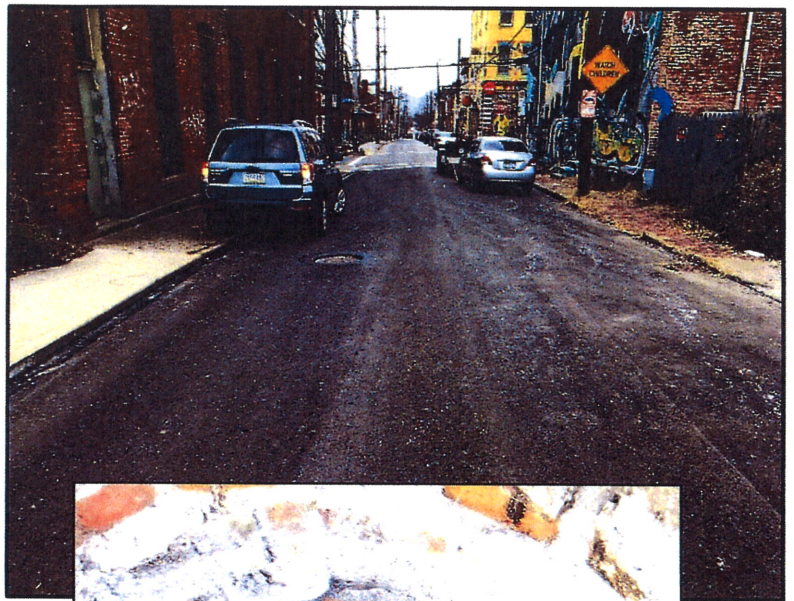
Date: Wednesday, December 18, 2019

Time: 7:55 AM

Weather: Light snow, light wind, cloudy, 22 degrees F

Present: Kevin Wilmot PE

Photos taken at site 12-18-2019 7:55AM



Brick pipe. One in-out. No adjoining pipes enter – debris heavy.

**Project Location**

**Most Limited Capacity Sewer**

**Sampling Location**



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

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

PROJECT NAME: 130 East Jefferson Street  
PROJECT LOCATION: 130 East Jefferson Street, Pittsburgh, PA 15212  
ALCOSAN INTERCEPTOR: Allegheny  
PWSA REVIEWER: Robert Herring, P.E.  
DATE: November 25, 2019

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpm
MH023F118	MH023F117	848.21	833.57	170.31	36	BR	0.016	7.07	9.425	8.60%	102,967,970
MH023F117	MH023F116	833.57	821.82	138.59	36	BR	0.016	7.07	9.425	8.48%	102,259,737
MH023F116	JCT023F036	821.82	820.94	21.39	36	BR	0.016	7.07	9.425	4.11%	71,234,049
JCT023F036	MH023F114	820.94	806.42	205.32	36	BR	0.016	7.07	9.425	7.07%	93,994,054
MH023F114	MH023F111	806.42	803.14	89.30	42	BR	0.016	9.62	10.996	3.67%	101,528,425
MH023F111	JCT023F022	803.14	802.86	26.71	42	BR	0.016	9.62	10.996	1.05%	54,239,856
JCT023F022	MH023F109	802.86	794.54	259.53	42	BR	0.016	9.62	10.996	3.21%	94,851,529
MH023F109	JCT023F019	794.54	794.15	13.83	42	BR	0.016	9.62	10.996	2.82%	88,960,594
JCT023F019	MH023K042	794.15	784.24	298.05	42	BR	0.016	9.62	10.996	3.92%	95,598,131
MH023K042	JCT023J063	784.24	777.88	193.01	42	BR	0.016	9.62	10.996	3.30%	96,164,574
JCT023J063	MH023J036	777.88	774.40	101.18	42	BR	0.016	9.62	10.996	3.44%	98,246,874
MH023J036	MH023J035	774.40	763.80	238.44	42	BR	0.016	9.62	10.996	4.45%	111,696,569

By KW

Subject PWSA Planning Module

Date \_\_\_\_\_ Chk \_\_\_\_\_ Date \_\_\_\_\_

130 E. Jefferson St. Pittsburgh (N. Side)

[Field Sheet]

Date: Wednesday, December 18, 2019

Time: 7:55 AM

Location: Jacksonia Street, North Side MH 23F114 (PWSA)  
Fireman Way

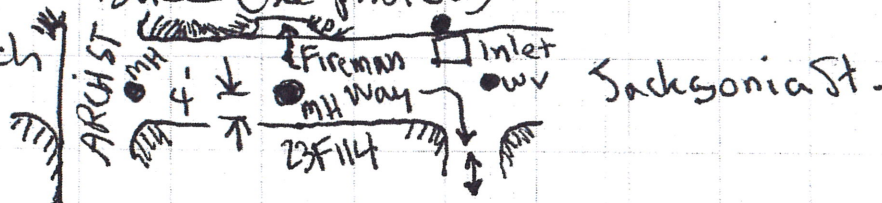
Weather: Light Snow, 26°F, Windy (10-15 mph) Cloudy.

Conditions: Manhole lid-vented (holes)

Initial observ.: debris in Invert. (measure from top of pipe)  
Flow above debris - minor flow (pipe)

MH Construction: Brick (see photos)

Site Sketch

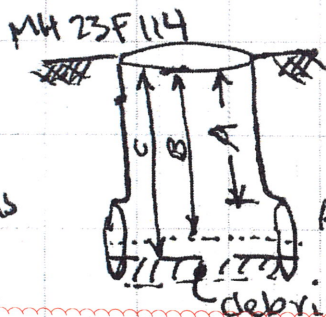


Field.

Measurements:

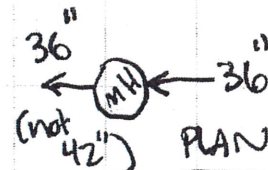
NOTE:

Make area  
Correction for debris



A - 9'-5"  
B - 11'-4"  
C - 11'-5 1/2"  
Assumed 36"  $\phi$  ID

depth of flow  
1.5"



Information for Manning's Calculations from PWSA:

Upstream MH

~~23F1128~~

~~Use~~

~~23F111~~

**MH023F116**

Downstream

23F114

(sample depth)

Invert hp

~~803.14~~

**821.82**

Inv. Down.

806.42

Slope

~~3.67%~~

**6.79%**

Signed: K. S. Wolmot

Kevin S. Wolmot, PE

12-18-2019 8:00 AM

By KSW

Subject PWSA Planning Module

Date \_\_\_\_\_ Chk \_\_\_\_\_ Date \_\_\_\_\_

130 E. Jefferson St. Townhouses



## PWSA Planning Module.

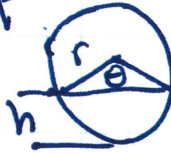
Method 1 of Dry Weather Flow Calculations  
Using "Measured" Peak Flow made 12/18/19

Design Background: Manning's Equation

$$Q = (1.49/n)(A)(R_H)^{2/3}(S)^{1/2}$$

\*n is chosen based on PWSA  
info = 0.016 for brick pipe

Partial Pipe Flow Geometry  
for circular pipe



$$R = D/2 \quad h = y \quad P = r\theta \quad R_H = A/P$$

$$\theta = 2 \arccos \left( \frac{r-h}{r} \right) \quad A = r^2 \left( \frac{\theta - \sin \theta}{2} \right)$$

Where Q = Vol. Flow (cfs)

A = Xsectn area (ft<sup>2</sup>)

S = slope (ft/ft)

n = roughness coeff.

R<sub>H</sub> = Hydraul. radius = A/P

P = wetted perimeter (ft)

~ see attached geometry plan assuming  
36" ID. and debris measured.

### A. Design Permitted Capacity

$$\text{Design Peak Flow} = (1.49/0.016)(7.07 \text{ ft}^2)(\frac{2.07}{9.42})^{2/3}(0.0679)^{1/2}$$

$$= 93.1(7.07)(0.825)(0.261) = 141.7 \text{ cfs} = 63600 \text{ gpm}$$

$$\text{Design Avg Flow} = \text{Design Peak Flow} / \text{Peaking Factor} = 141.7 / 3.5 = 40.48 \text{ cfs}$$

$$= 18200 \text{ gpm} = 26.2 \text{ MGD}$$

### B. Present Flow

$$\text{Present Peak Flow} = (1.49/0.016)(0.096)(\frac{0.096}{1.20'})^{2/3}(0.0679)^{1/2}$$

$$= 93.1(0.096)(0.186)(0.261) = 0.434 \text{ cfs} = 195 \text{ gpm} = 0.280 \text{ MGD}$$

$$\text{Present Avg Flow} = \text{Projected Present Peak Flow} / \text{Peaking Factor} = 0.434 \text{ cfs} / 3.5$$

$$= 0.124 \text{ cfs} = 55.6 \text{ gpm} = 80,137 \text{ gpd}$$

### C. Projected Flow

$$\text{Projected Peak Flow} = (\text{Present Peak} + \text{Project Peak Flow}) \times 1.05$$

$$= (0.434 \text{ cfs} + [\text{storm} + \text{sewage}]) \times 1.05$$

$$= (0.434 \text{ cfs} + [0.22 \text{ cfs} + 1600 \text{ gpd}/i]) \times 1.05$$

$$= (0.434 + [0.222]) \times 1.05 = 0.689 \text{ cfs}$$

$$i = \frac{\text{gpd}}{\text{Conversion to Cfs}} = \frac{646,272}{1440} = 450 \text{ cfs}$$

$$\text{Projected Avg Flow} = 0.689 / 3.5 = 0.197 \text{ cfs} = 309 \text{ gpm} = 0.445 \text{ MGD}$$

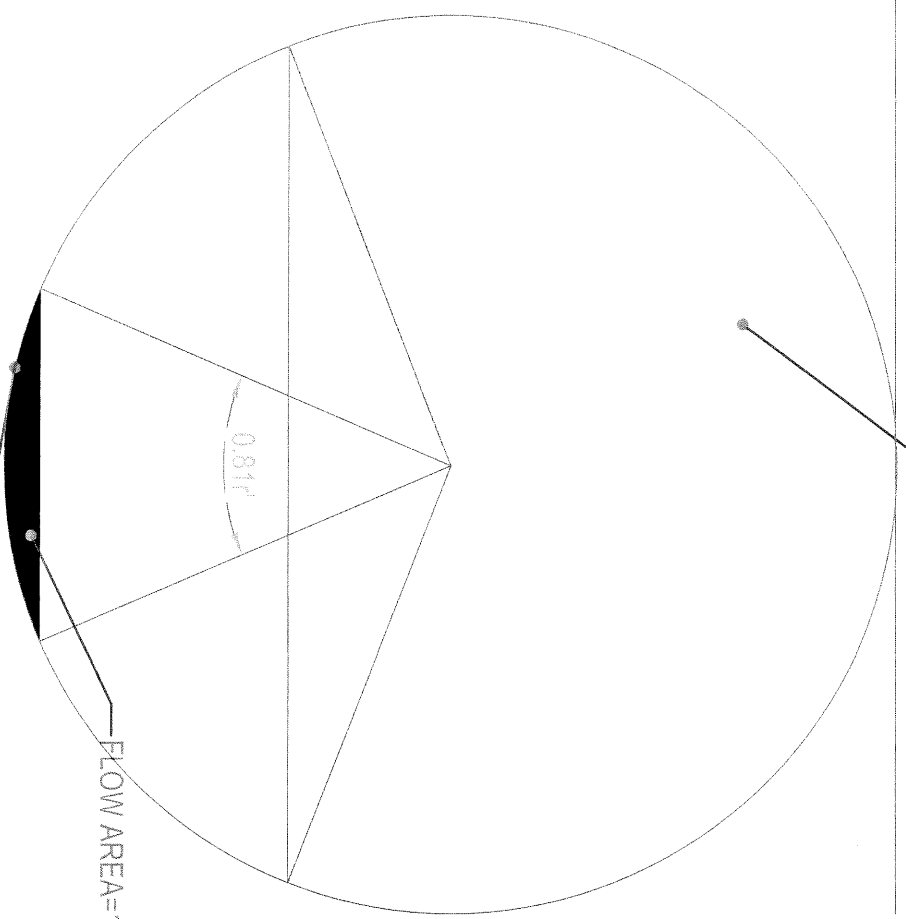
$$= 88 \text{ gpm} = 127,220 \text{ gpd}$$

$$\text{Capacity lost to Debris} = 93.1(1.97)(\frac{1.97}{3.6})^{2/3}(0.0679)^{1/2} = 50.9 \text{ cfs} = 1390 \text{ gpm}$$

$$= 2.00 \text{ MGD}$$

Kevin S. Wilmot

WETTED PERIMETER  
OF FULL PIPE FLOW AREA=9.42 FT  
AREA OF FULL PIPE  
FLOW = 1017.9 SQ-IN = 7.07 SQ-FT



FLOW AREA=13.82 SQ-IN=0.096 SQ-FT

WETTED PERIMETER  
OF DEBRIS AREA=14.6 IN  
=1.2 FT

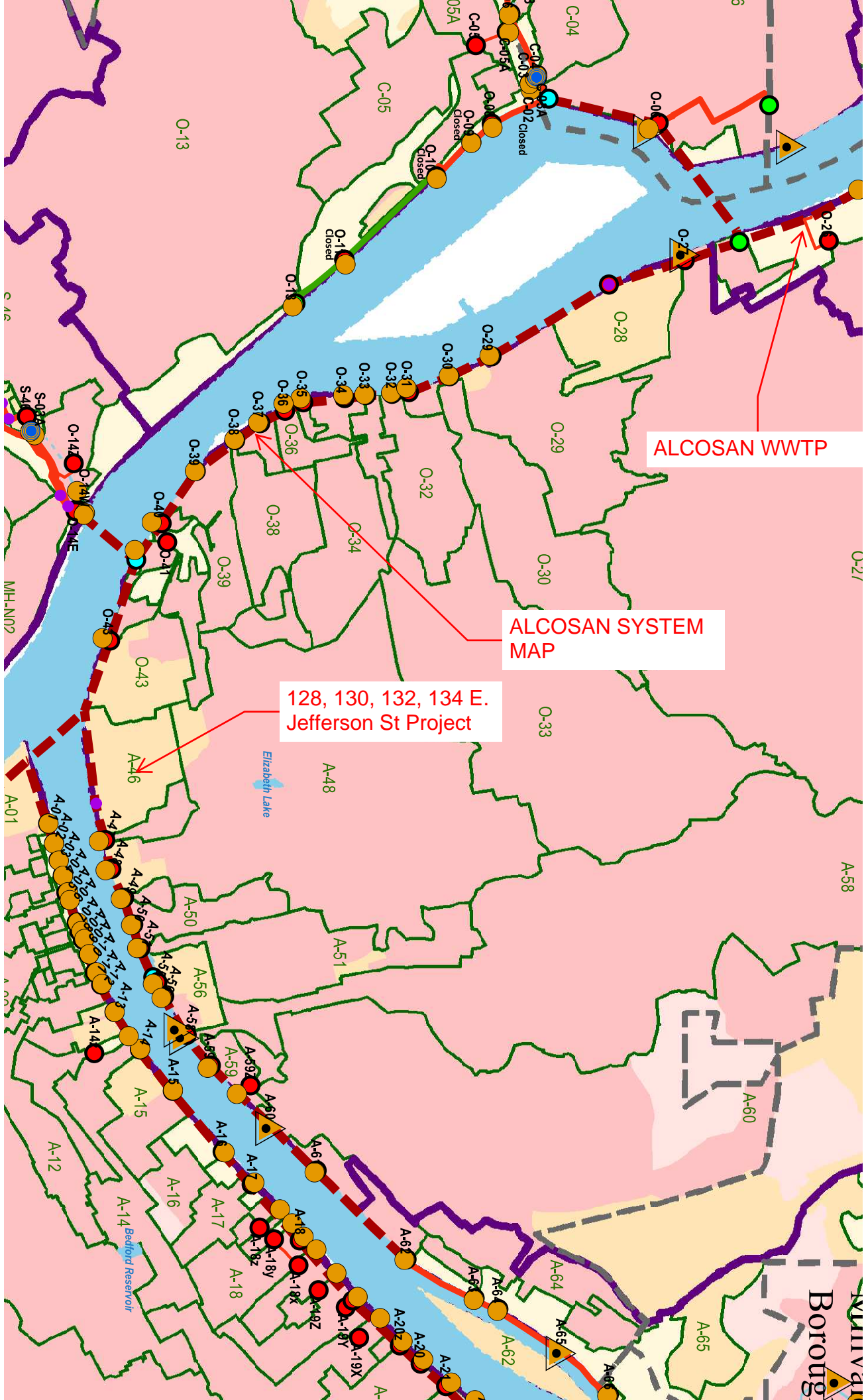
## **Supplement to Section J – Sewage Flow Path Map**

**Project Location**

**Most Limited Capacity Sewer**

**Sampling Location**





ALCOSAN WWTP

ALCOSAN SYSTEM  
MAP

128, 130, 132, 134 E.  
Jefferson St Project

Alameda  
Borough



## **Component 4A - Municipal Planning Agency Review**



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

DEP Code #:

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

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

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

Project Name

130 E. Jefferson Townhomes

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

1. Date plan received by municipal planning agency 2-8-202. Date review completed by agency 2-10-20

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

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

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____
17. Name, title and signature of planning agency staff member completing this section:		
Name: <u>Martina Battistone</u>		
Title: <u>SR- Environmental planner</u>		
Signature: <u>MBattistone</u>		
Date: <u>2-10-20</u>		
Name of Municipal Planning Agency: <u>City of Pittsburgh</u>		
Address: <u>200 Ross St. 4<sup>th</sup> Floor Pittsburgh, PA 15219</u>		
Telephone Number: <u>(412) 255-2516</u>		

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

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

The planning agency must complete this component within 60 days.

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

## **Component 4C - County or Joint Health Department Review**

COUNTY OF



ALLEGHENY

December 16, 2019

Kevin Wilmot, P.E.  
Whitney Bailey Cox & Magnani, LLC  
600 Bursca Dr., Suite 609  
Pittsburgh, PA 15017

**RE: SEWAGE FACILITIES PLANNING MODULE;  
130 East Jefferson Street Townhouses  
City of Pittsburgh, ALLEGHENY COUNTY**

Dear Mr. Wilmot:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on December 13, 2019. The project proposes the following:

Project Description:	130 East Jefferson Street Townhouses. Proposing to consolidate 3 existing lot and then subdivide to construct four-unit townhouses located on East Jefferson Street (128-132) in the City of Pittsburgh, Allegheny County.
Sewage Flow:	1,200 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water & Sewer Authority (PWSA) collection system in East Jefferson Street to ALCOSAN POC A-48 to the Allegheny 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.



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

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

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,

A handwritten signature in blue ink, appearing to read "Freddie Fields".

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

FF/cb

Enclosure

cc: Thomas Flanagan, PA DEP w/attachment (electronically)  
Ivo Miller, ACHD w/attachment (electronically)



## 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

130 East Jefferson Street Townhouses

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

1. Date plan received by county or joint county health department December 13, 2019Agency name Allegheny County Health Department (ACHD)2. Date review completed by agency December 16, 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 FieldsTitle: Environmental Health Engineer IIISignature: *Freddie Fields*Date: December 16, 2019Name of County Health Department: ACHDAddress: 3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318Telephone 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.