pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

INSTRUCTIONS FOR COMPLETING COMPONENT 4C
COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

Remove and recycle these instructions prior to mailing component to the approving agency.

Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

Instructions for Completing Planning Agency and/or Health Department Review Component

Section A. Project Name

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

Section B. Review Schedule

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.

2. Complete the name, title, and signature block.

Section D. Additional Comments

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.

3850-FM-BCW0362C 6/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:

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

2400 Smallman Redevelopment

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

1. Date plan received by county or joint county health department May 5, 2021

   Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency May 11, 2021

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: May 11, 2021

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.

COUNTY OF ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

May 11, 2021

Bob Smith, P.E.
KU Resources, Inc.
22 South Linden Street
Duquesne, PA 15110

RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY
2400 Smallman Redevelopment, City of Pittsburgh

Dear Mr. Smith:

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 May 5, 2021. The project proposes the following:

Project Description:	2400 Smallman Redevelopment. Proposing the renovation of the existing two-story building and basement (Parcel # 25-N-76) into a cycling center (Pro Bike + Run) with meeting spaces, repair shop, café and retail display areas located in the City of Pittsburgh, Allegheny County.
Sewage Flow:	8,448 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to ALCOSAN POC A-18 to the Allegheny River interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN

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

ALLEGHENY COUNTY HEALTH DEPARTMENT

DEBRA BOGEN, MD, FAAP, FABM, DIRECTOR
ALLEGHENY COUNTY HEALTH DEPARTMENT
WATER POLLUTION CONTROL & SOLID WASTE MANAGEMENT
3901 PENN AVENUE • BUILDING 5 • PITTSBURGH, PA 15224-1318
PHONE: 412.578.8040 • FAX: 412.578.8053
WWW.ALLEGHENYCOUNTY.US/HEALTHDEPARTMENT

PHAB
Advancing public health performance

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

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

Sincerely,

Freddie Fields

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

FF/cb
Enclosure

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

April 30, 2021

Robert L. Smith
KU Resources, Inc.
22 South Linden Street
Duquesne, PA 15110

Re: 2400 Smallman Redevelopment
2400 Smallman Street, Pittsburgh, PA 15222
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure A-18-00

Dear Mr. Smith:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh. The project will generate a peak flow of 8,448 GPD in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN regulator at A-18-00 is approximately 5.13 MGD. The estimated peak dry weather flow is approximately 0.217 MGD. Sufficient dry weather capacity exists for this connection. However, the ALCOSAN Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN has completed and signed the sections required in the Component 3 module and requests that this letter be made part of the planning module submission. If you have any questions regarding this matter, please contact me at 412-732-8046.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Joseph Sparbanie

Joseph A. Sparbanie, P.E.
Civil Engineer

Attachment

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

April 21, 2021

Mr. Michael Lichte
ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 15233

RE: Pennsylvania Department of Environmental Protection
Sewage Facilities Planning Module (Re-submission)
2400 Smallman Street Redevelopment
35th Ward City of Pittsburgh, Allegheny County, Pennsylvania

Dear Mr. Lichte:

On behalf of Terminal Leasing Inc, Development, KU Resources, Inc. is submitting the attached PADEP Sewage Facilities Planning Module application package for the proposed renovations of the existing building at 2400 Smallman Street (Parcel 25-N-76). The project site is located at 2400 Smallman Street in the 35th Ward of the City of Pittsburgh, Allegheny County. Proposed project flows are 8,448 GPD (21.12 EDUs).

The enclosed application includes the following:

- Project Narrative
- Site Location Map
- 3 Rivers Wet Weather Map
- Dry Weather Flow Calculation Brief
- Sewage Facilities Planning Module, Component 3
- Tap Plan
- PNDI Environmental Review Receipt
- Proof of Ownership - Allegheny County Tax Maps
- Site survey
- Water and Sewer Use Approval Letter
- Water and Sewer Use Preliminary Planning Determination
- Water and Sewer Availability Letter

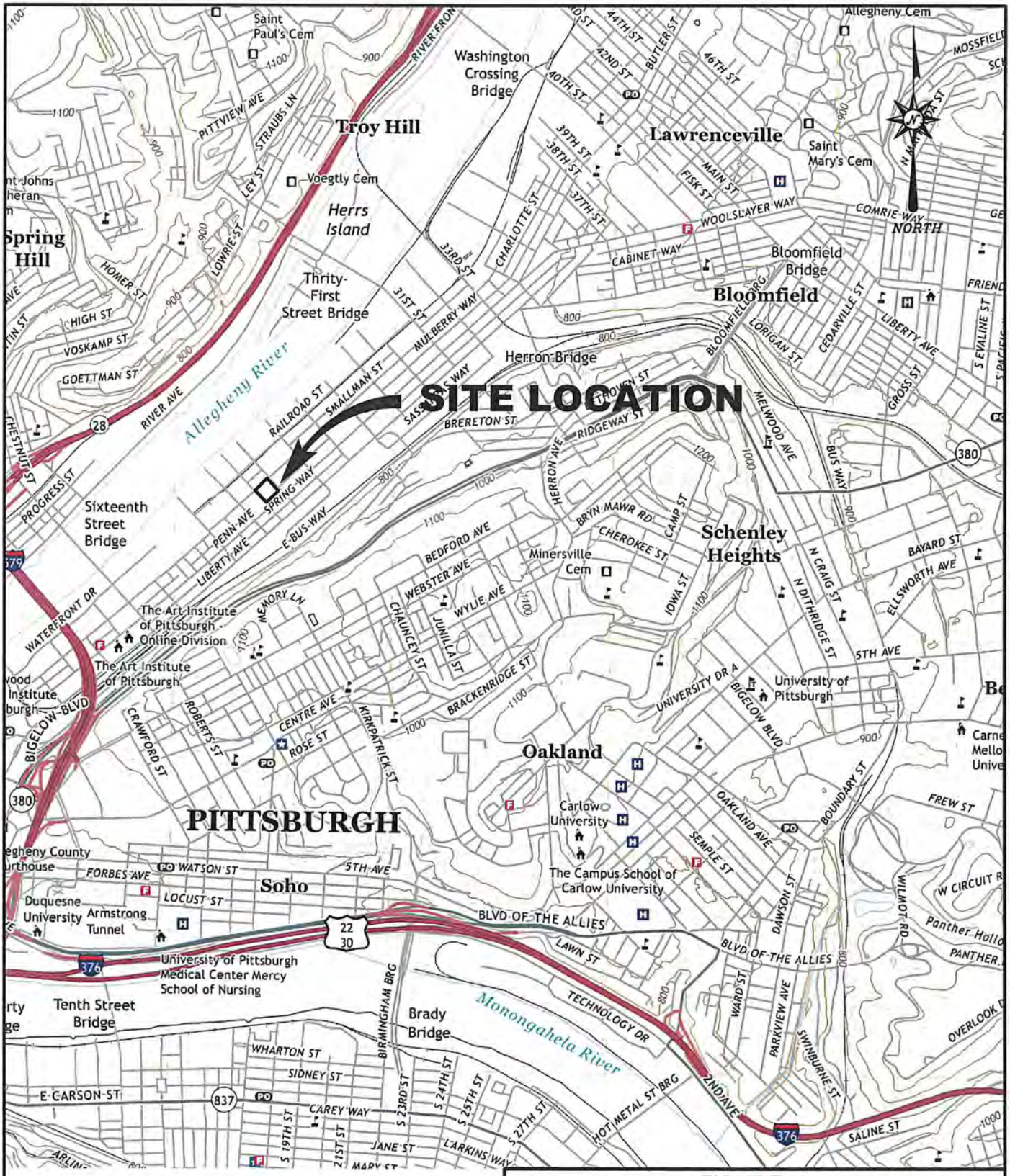
Please let us know if you require any more information. Should you have any questions or concerns, please contact Adam Ballish at 412-469-9331 x80 or at aballish@kuresources.com.

Respectfully submitted,

Adam P. Ballish, E.I.T.
Project Engineer

APB:cak

Enclosures



REFERENCE:
USGS 7.5–MIN TOPOGRAPHIC QUADRANGLE PITTSBURGH EAST, PENNSYLVANIA, DATED 2019.

SCALE – FEET
0 2000

APPROVED	RLS 04/21/2020
CHECKED	RLS 04/21/2020
DRAWN	APB 04/21/2020
CAD FILE NO.	19538A001
PROJECT NO.	PFA19538SSR

KU Resources, Inc.
22 South Linden Street
Duquesne, PA 15110
412 469 9331
412 469 9336 fax
www.kuresources.com

FIGURE 1

SITE LOCATION MAP
2400 SMALLMAN STREET REDEVELOPMENT

SMALLMAN STREET
ALLEGHENY COUNTY, PENNSYLVANIA

PREPARED FOR
TERMINAL LEASING
PITTSBURGH, PENNSYLVANIA

PROJECT NARRATIVE

2400 SMALLMAN REDEVELOPMENT
2400 SMALLMAN STREET
35th WARD, CITY OF PITTSBURGH
ALLEGHENY COUNTY, PENNSYLVANIA

Prepared for:
TERMINAL LEASING INC
15 27TH STREET
PITTSBURGH, PENNSYLVANIA 15222

Prepared by:
KU RESOURCES, INC.
22 SOUTH LINDEN STREET
DUQUESNE, PENNSYLVANIA 15110

APRIL 2021

DESCRIPTION OF PROPOSED DEVELOPMENT

Terminal Leasing Inc. is developing a lot at parcel number 25-N-76 located in the 35th Ward of the City of Pittsburgh, Allegheny County, Pennsylvania. The proposed development will include renovations of the existing building at 2400 Smallman Street. The building will be renovated into a cycling center (Pro Bike + Run) with meeting spaces, repair shop, café and retail display areas.

The site is located at 2400 Smallman Street in the Strip district neighborhood of the City of Pittsburgh. See Figure 1 for the Site Location Map and the Existing Conditions Plan.

The project involves renovation of an existing two-story building and basement. Each story will be comprised of the following elements:

- BASEMENT: Restaurant and lobby, catering prep, fitness studio with locker rooms, Mechanical/electrical/sprinkler rooms, lounge, elevator, stairway, restroom facilities.

- FIRST FLOOR (Ground Floor): Sales, café, exterior deck, bike service area, restroom facilities, office, service/trash room, elevator, stairwell.

- SECOND FLOOR: Event/meeting rooms (skyline room, otto room, smallman room, phoenix room), catering preparation, restroom facilities, stairs, elevator.

According to the Federal Emergency Management Agency, the site lies within Zone X (moderate to low risk area), being areas of 0.2% annual chance flood, areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than one square mile, and areas protected by levees from 1% annual chance flood. The existing utilities include an 8-inch water line and a 36-inch combined sewer line, both located in Smallman Street and a 6-inch water line on 24th Street. No new water or sanitary taps are proposed as existing taps will be utilized. An existing water tap on Smallman Street will be terminated.

EXISTING SANITARY FLOWS

The building has been vacant for the past two years and used as a warehouse in the past third year. The building is currently not occupied. The company utilizing the building a s warehouse employed eight (8) full time employees. As such, the daily past sanitary flows are computed as follows:

8 Employees x 10 gpd/employee = 80 gpd

KU Resources Survey Crew obtained 5 flow depth measurements from MH025N024 on 03/03/21 between the hours of 7 AM and 8 AM and are as follows:
7am – 0.10', 7:15am – 0.25',7:30am – 0.26', 7:45 am – 0.28',8am – 0.25'.

Maximum flow depth observed was 0.28', which is the value used for design calculations. Existing sewer slope used for design calculations was obtained from the Most Limited Capacity Spreadsheet provided by PWSA in the Water and Sewer Use Approval Letter. Slope (from MH025N023 to MH025N009) = rise/run = (722.73' – 721.63')/167.07' = 0.7%.

PROPOSED SANITARY FLOWS

Terminal Leasing Inc is proposing to renovate the existing building at 2400 Smallman Street into a cycling center with new utilities and street scape enhancements.

The daily sanitary flow estimate was determined by applying PA DEP Code Chapter 73.17 Sanitary Sewage Flow Estimates for the following types of establishments:

- Office (Restaurant/Kitchen) Workers
- Patrons
- Staff Workers

For restaurant patronage, three (3) turnovers has been applied to the waste generation calculation.

Effluent will ultimately be sent to the Allegheny County Sanitation Authority (ALCOSAN). See the attached Pittsburgh Water and Sewer Authority (PWSA) Sewer System map with the route to ALCOSAN highlighted.

The daily projected sanitary flows are computed as follows (please refer to architectural drawings for floor areas of respective uses). Note that Architectural Drawing A-0.2 (Code Plans) has been included with this submission. This drawing did not exist at the time of the initial submission and is included at this time as it presents a clearer depiction of the intended use and occupancy of each floor.

BASEMENT FLOOR

Based on the floor plan (Detail 3 of Drawing A-0.2), the following uses are proposed:

- Kitchen
- Coffee Roasting (included with kitchen staff)*
- Pump Room*
- Bathroom (not public)*
- Circulation Lobby*
- Fitness Studios & Associated Locker Room Facilities (2)
- Main Lobby*
- Mechanical/electrical Service Room*
- Elevator/Stairs/Water/FP Area*
- Assembly Area & Bar/Pub

* - These areas do not contribute to daily sanitary flows.

1) Kitchen & Coffee Roasting

8 Workers x 10 gpd/worker = **80 gpd**

2) Fitness Studios & Associated Locker Room Facilities (2)

2 Studios x 45 Workers/Customers x 25 gpd = 2**,250 gpd**

Note: classes are expected to be held 3-4 days per week (4 days used) based on typical class usage at other similar facilities operating Pro+Run businesses.

3) Assembly & Bar/Pub

2 Workers x 10 gpd/worker = **20 gpd**

113 Patrons x 5 gpd x 3 turnovers = **1,695 gpd**

SUB-TOTAL FOR BASEMENT LEVEL = 4**,045 gpd**

FIRST FLOOR (GROUND FLOOR)

Based on the floor plan (Detail 2 of Drawing A-0.2), the following uses are proposed:

- Mercantile
- Café
- Stairwells/Vestibule*
- Restroom Areas (available only to customers – not public)
- Service Space (Refuse Pick-up)

* - These areas do not contribute to daily sanitary flows.

1) Mercantile (Includes North & South Sales Area/Bike Service/Office)

3 Toilets x 400 gpd/toilet = **1,200 gpd**
1 urinal x 200 gpd/urinal = **200 gpd**
6 sinks x 200 gpd/sink = **1,200 gpd**

2) Cafe

3 Workers x 10 gpd/worker = **30 gpd**

55 Patrons x 5 gpd x 3 turnovers = **825 gpd**

3) Service Space (Refuse Pick-up)

3 Workers x 10 gpd/worker = **30 gpd**

SUB-TOTAL FOR GROUND FLOOR LEVEL = **3,485 gpd**

SECOND FLOOR

- Event Rooms (3)
- Meeting Rooms (5)
- Catering/Prep
- Stairwells/Vestibule*
- Restroom Areas (available only to customers – not public)*
- Stairwells/Vestibule*
- Circulation *

1) Event Rooms (Smallman, Skyline, Otto)

Smallman Room

125 Attendees x 3 gpd/Attendee = **375 gpd**

Skyline Room

96 Attendees x 3 gpd/Attendee = **288 gpd**

Otto Room

80 Attendees x 3 gpd/Attendee = **240 gpd**

2) Meeting Rooms

25 Patrons x 3 gpd/Attendee = **75 gpd**

3) Catering/Prep

2 Workers x 10 gpd/worker = **20 gpd**

SUB-TOTAL FOR SECOND FLOOR LEVEL = **998 gpd**

TOTAL OF ALL FLOORS = 8,528 gpd (21.12 EDUs)

Based on a comparison of previous and proposed flows, a PADEP Planning Module is anticipated to be required.

STORMWATER CONVEYANCE

Stormwater management is not needed at this site as 5,000 sf on new impervious surface nor 10,000 sf of land disturbance is proposed. Stormwater will be routed via roof leader connections and tied into the existing sanitary lateral within 5' of the existing combined sewer.

ALTERNATIVE SEWAGE FACILITIES ANALYSIS

1. Describe the chosen disposal method, its location, the daily flow proposed and if the method is an interim method (to be replaced by the ultimate method in 5 years or less), or is an ultimate method (to serve the development in the long term, for 5 years or more). Provide a description of how the chosen method will provide compliance with effluent limitations. Also provide the number of lots or EDU's that will be served.

   ALCOSAN Treatment Facility. Credit for previous flows have not been considered, therefore there are 21.12 new EDUs.

2. Describe the types of land uses adjacent to the project area (Agricultural, Residential, Commercial etc.) and the type of sewage disposal method serving each of those land uses. Properties adjacent to the project must be described by indicating present land uses and zoning designations. Describe the sewage disposal methods being used for each of those adjacent land uses (onlot, municipal treatment, etc.) and if those methods are intended for interim or ultimate use.

   The adjacent land uses are a mix of residential and commercial. Sanitary flows from the existing location ultimately flow into the same interceptor.

3. Indicate if the sewage facilities described in (2) are in need of improvement due to noncompliance with effluent limitations, high rates of on-lot malfunction or overloaded public sewers. Is there a potential for a combined public/private project?

   No potential for combined public/private project.

4. Determine and indicate what sewage disposal method is proposed for the development area in the municipality's Official Sewage Facilities Plan (such as: on-lot disposal systems, public sewers, etc.).

   Public sewers (ALCOSAN).

5. Describe any existing sewage management program(s) in the area, and/or any sewage management program(s) that this project would be required to participate in, and that program's requirements.

   ALCOSAN's Wet Weather Plan (WWP).

6. Describe any potential alternative sewage disposal methods that are available for the project. Consider all reasonable possibilities for sewage disposal, such as a stream discharge or an alternate method of land disposal. The municipality, delegated local agency or DEP may also require consideration of particular types of sewage disposal methods in the analysis. The chosen method must assure that applicable water quality standards are attained.

   None.

7. Describe why the proposed method was chosen over any of the other methods described in the alternatives analysis. Environmental, administrative, and financial concerns may be addressed. Also indicate how the chosen method will guarantee adequate sewage disposal, including compliance with applicable water quality standards and effluent limitations, for the development in both the short-term (up to 5 years) and long-term (beyond 5 years) by describing the adequacy of the proposed facilities (organic and hydraulic loading) and the ability of the facility to accept additional flows or loads.

   NA

8. Indicate who will be the owner of the facility, and who will be responsible for operation and maintenance of the facility and ultimately compliance with applicable water quality standards and effluent limitations.

   Public sewers (ALCOSAN).

9. Finally, the applicant may use the narrative to describe any special considerations or provide any additional information that supports the choice of disposal method. The alternatives analysis must be attached to the planning module package for review by the municipality and approving agency.

   NA


3RWW SEWER ATLAS
Current Data Release: 2019 Q4
Network Trace
Input
Output
Upstream
# of Structures: 29
Total Length: 3233.24 ft
Inch-Miles: 12.73
Downstream:
# of Structures: 43
Total Length: 26766.97 ft
Inch-Miles: 505.21
Upstream Pipes (28)
Downstream Pipes (44)
Downstream Structures (43)
Upstream Structures (29)
Export To CSV
2400 Smallman St, Pittsbur
Show search results for 2400 Sm...
36.00 inch COM G sewer
Point of Connection: A-18
Owner: PWSA
Basin: MR
Watershed:
Characteristics:
Diameter: 36.00 inches
Length: 4.71 feet
Material: BR
Shape: C
Invert Elevations:
Upstream: 722.73
Downstream: 722.81
Adjacent Structures
Upstream: JCT025N008
Downstream: MH025N023
Zoom to
-79.965 40.455 Degrees
esri


3RWW SEWER ATLAS
Current Data Released 2019 Q4
3RWW Help Data Change Log
Network Trace
Input
Output
Upstream
# of Structures: 29
Total Length: 3233.24 ft
Inch-Miles: 12.73
Downstream:
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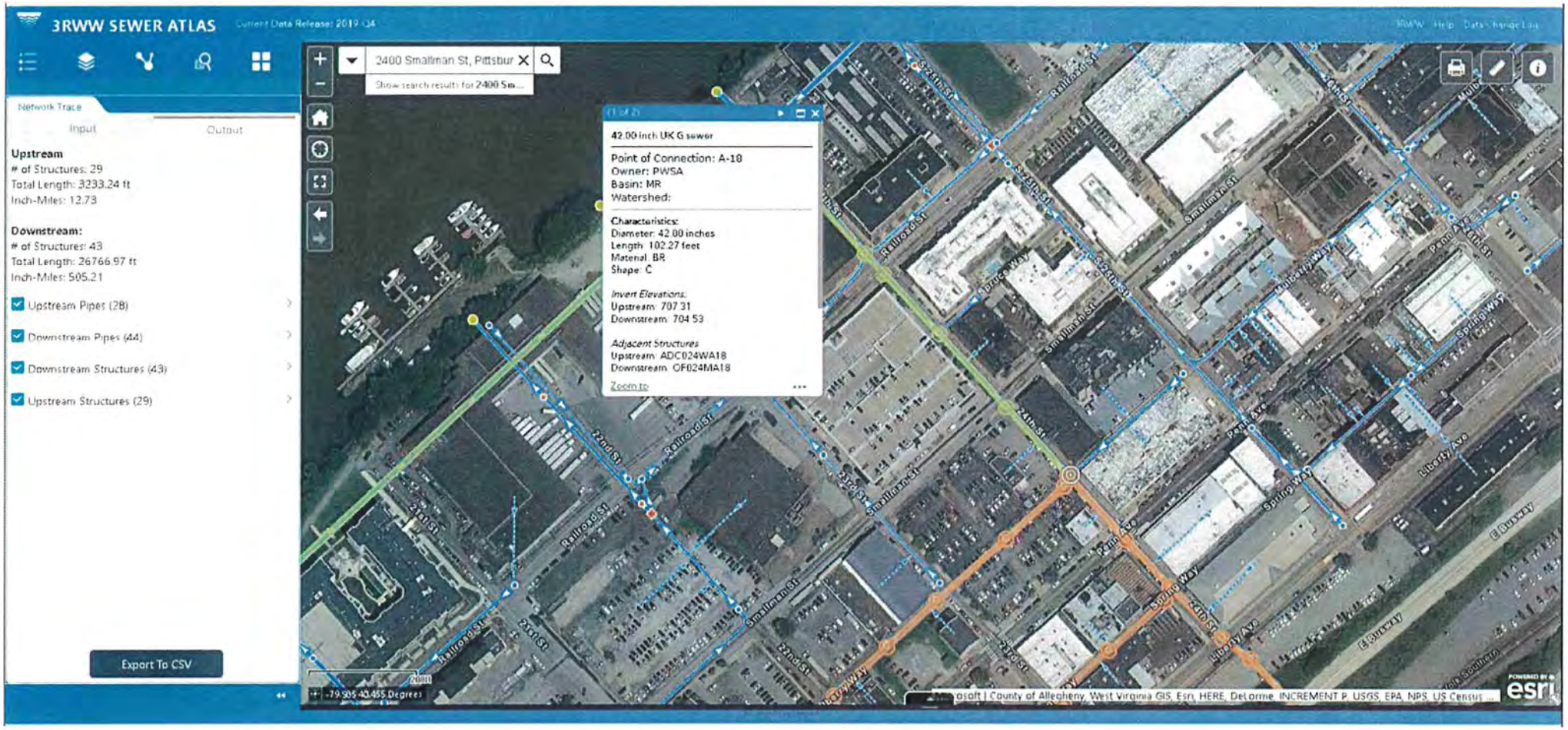
Upstream Pipes (28)
Downstream Pipes (44)
Downstream Structures (43)
Upstream Structures (29)
Export To CSV
2400 Smallman St, Pittsbur
Show search results for 2400 Sm...
USDA FSA | Esri, HERE, DeLorme, INCREMENT P, USGS, EPA, NPS, US Census Bureau, USDA
esri

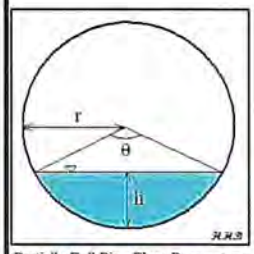

3RWW SEWER ATLAS
Current Data Release: 2019 Q4
3RWW Help Data Change Log
2400 Smallman St, Pittsbur
Show search results for 2400 Sm...
Network Trace
Input
Output
Upstream
# of Structures: 29
Total Length: 3233.24 ft
Inch-Miles: 12.73
Downstream:
# of Structures: 43
Total Length: 26766.97 ft
Inch-Miles: 505.21
Upstream Pipes (28)
Downstream Pipes (44)
Downstream Structures (43)
Upstream Structures (29)
Export To CSV
(1 of 2)
42.00 inch UK G sewer
Point of Connection: A-18
Owner: PWSA
Basin: MR
Watershed:
Characteristics:
Diameter: 42.00 inches
Length: 102.27 feet
Material: BR
Shape: C
Invert Elevations:
Upstream: 707.31
Downstream: 704.53
Adjacent Structures
Upstream: ADC024WA18
Downstream: OF024MA18
Zoom to
-79.985 40.455 Degrees
esri

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

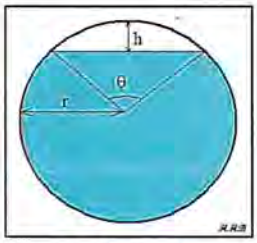
PROJECT NAME: 2400 Smallman Redevelopment
DATE: March 10, 2021

LEGEND: Input Data | Output Data

Section A: Manning Equation for Partially Filled Pipes



Partially Full Pipe Flow Parameters (Less Than Half Full)



Partially Full Pipe Flow Parameters (More Than Half Full)

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

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

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

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q_p	8,448	gpd

Variable	*Value*	*Units*
Material	Brick	
n	0.016	unitless
S	0.007	ft/ft
h	0.280	ft
D	3.00	ft
P.F.	3.5	unitless

Section C: Calculations for Design and/or Permitted Capacities

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

Design Capacity, Average		
Variable	*Value*	*Unit*

Design Capacity, Peak		
Variable	*Value*	*Unit*

$Q_{d, avg}$	8,151,839	gpd

D	3.000	ft
r	1.500	ft
A	7.069	ft^2
P	9.425	ft
R	0.750	ft
$Q_{d, peak}$	44	cfs
$Q_{d, peak}$	28,531,438	gpd

Section D: Calculations for Present Flows

Variable	*Description*	*Definition*
$Q_{ex, avg}$	Present Flows, Average	existing flow conditions per site investigations
$Q_{ex, peak}$	Present Flows, Peak	= existing flow conditions x peaking factor

Present Flows, Average		
Variable	*Value*	*Unit*
D	3.000	ft
r	1.500	ft
θ	1.24	rad
h/D	0.093333333	ft/ft
A	0.33	ft^2
P	1.86	ft
R	0.178	ft
$Q_{ex, avg}$	1	cfs
$Q_{ex, avg}$	515,206	gpd

Present Flows, Peak		
Variable	*Value*	*Unit*
$Q_{ex, peak}$	1,803,222	gpd

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

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

Projected Flow Calculations		
Variable	*Value*	*Unit*
$Q_{proj, avg}$	543,501	gpd
$Q_{proj, peak}$	1,902,254	gpd

Section F: Results

Variable	*gpd*
$Q_{d, avg}$	8,151,839
$Q_{d, peak}$	28,531,438
$Q_{ex, avg}$	515,206
$Q_{ex, peak}$	1,803,222
$Q_{proj, avg}$	543,501
$Q_{proj, peak}$	1,902,254

KU Resources Survey Crew obtained 5 flow depth measurements from MH025N024 on 03/03/21 between the hours of 7 AM and 8 AM and are as follows: 7am – 0.10', 7:15am – 0.25',7:30am – 0.26', 7:45 am – 0.28',8am – 0.25'. Maximum flow depth observed was 0.28', which is the value used for design calculations.

3800-FM-BPNPSM0353 Rev. 2/2015
Form

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Code No.

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

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name 2400 Smallman Redevelopment

2. Brief Project Description Renovation of existing building into Probike + Run.

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 Planner

Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1	Mailing Address Line 2
Department of City Planning	200 Ross St. 4th Floor

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

Area Code + Phone + Ext.	FAX (optional)	Email (optional)
412-255-2516		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

2400 Smallman Redevelopment

Site Location Line 1	Site Location Line 2
2400 Smallman Street	

Site Location Last Line -- City	State	ZIP+4	Latitude	Longitude
Pittsburgh	PA	15222	40.454070	-79.981197

Detailed Written Directions to Site

Description of Site Existing Building

Site Contact (Developer/Owner)

Last Name	First Name	MI	Suffix	Phone	Ext.
Maug	James			412-232-3015	6264

Site Contact Title	Site Contact Firm (if none, leave blank)
Director of Building Maintenance and Property Management	Terminal Leasing, Inc.
FAX	Email
412-360-7034	jmaug@pittohio.com
Mailing Address Line 1	Mailing Address Line 2
15 27th Street	

Mailing Address Last Line -- City	State	ZIP+4
Pittsburgh	PA	15222

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

Last Name	First Name	MI	Suffix
Smith	Robert	L	

Title	Consulting Firm Name
Project Manager	KU Resources, Inc.
Mailing Address Line 1	Mailing Address Line 2
22 South Linden Street	

Address Last Line – City	State	ZIP+4	Country
Duquesne	PA	15110	

Email	Area Code + Phone	Ext.	Area Code + FAX

E. AVAILABILITY OF DRINKING WATER SUPPLY

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

☐ Individual wells or cisterns.

☐ A proposed public water supply.

☒ An existing public water supply.

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

Name of water company: Pittsburgh Water and Sewer Authority

F. PROJECT NARRATIVE (See Section F of instructions)

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

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 21.12

Connections 1

Name of:

existing collection or conveyance system 24th Street - 36"

owner Pittsburgh Water and Sewer Authority

existing interceptor Allegheny Interceptor

owner ALCOSAN

2. **WASTEWATER TREATMENT FACILITY**

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter(s) 91 (relating to general provisions), 92 (relating to national Pollution Discharge Elimination System permitting, monitoring and compliance) and 93 (relating to water quality standards).

a. Check appropriate box and provide requested information concerning the treatment facility

☐ New facility ☒ Existing facility ☐ Upgrade of existing facility ☐ Expansion of existing facility

Name of existing facility ALCOSAN Woods Run WWTP

NPDES Permit Number for existing facility PA0025984

Clean Streams Law Permit Number _____

Location of discharge point for a new facility. Latitude 40°26'34" Longitude 80°0'44"

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 _____ (Name from above) sewage treatment facilities can accept sewage flows from this project without adversely affecting the facility's ability to achieve all applicable technology and water quality based effluent limits (see Section I) and conditions contained in the NPDES permit identified above.

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joseph A. Spatarico P.E.

Agent Signature _____ Date 4/30/21

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

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

5. PRIME AGRICULTURAL LAND PROTECTION

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

6. HISTORIC PRESERVATION ACT

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

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

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

Check one:

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

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

Applicant or Consultant Initials _____.

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

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

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

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

1. **Waters designated for Special Protection**

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

2. **Pennsylvania Waters Designated As Impaired**

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

3. **Interstate and International Waters**

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

4 **Tributaries To The Chesapeake Bay**

☐ The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ pounds per year as determined by the wastewater treatment facility 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 8,448 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	8151839	28531438	515206	1803222	543501	1902254
Conveyance		2,130,000	190,000	220,000	200,000	230,000
Treatment		250,000,000	209,300,000	250,000,000	219,700,000	295,000,000

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 Pittsburgh Water and Sewer Authority

   Name of Responsible Agent Barry King, PE, PMP / Director of E&C

   Agent Signature _____ Date 4/19/2021

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

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

Agent Signature [signature]

Date 4-30-21

4. Treatment Facility

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

YES NO

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

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

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

b. Name of Agency, Authority, Municipality ALCOSAN

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

Agent Signature [signature]

Date 4-30-21

☐ 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.

Adam Ballish	
Name (Print)	Signature
Engineer	03/10/21
Title	Date
22 South Linden Street	412-469-9331
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 $_____ 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.

   #22_____ Lots (or EDUs) X $50.00 = $ 1100_____

   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)

1. PROJECT INFORMATION

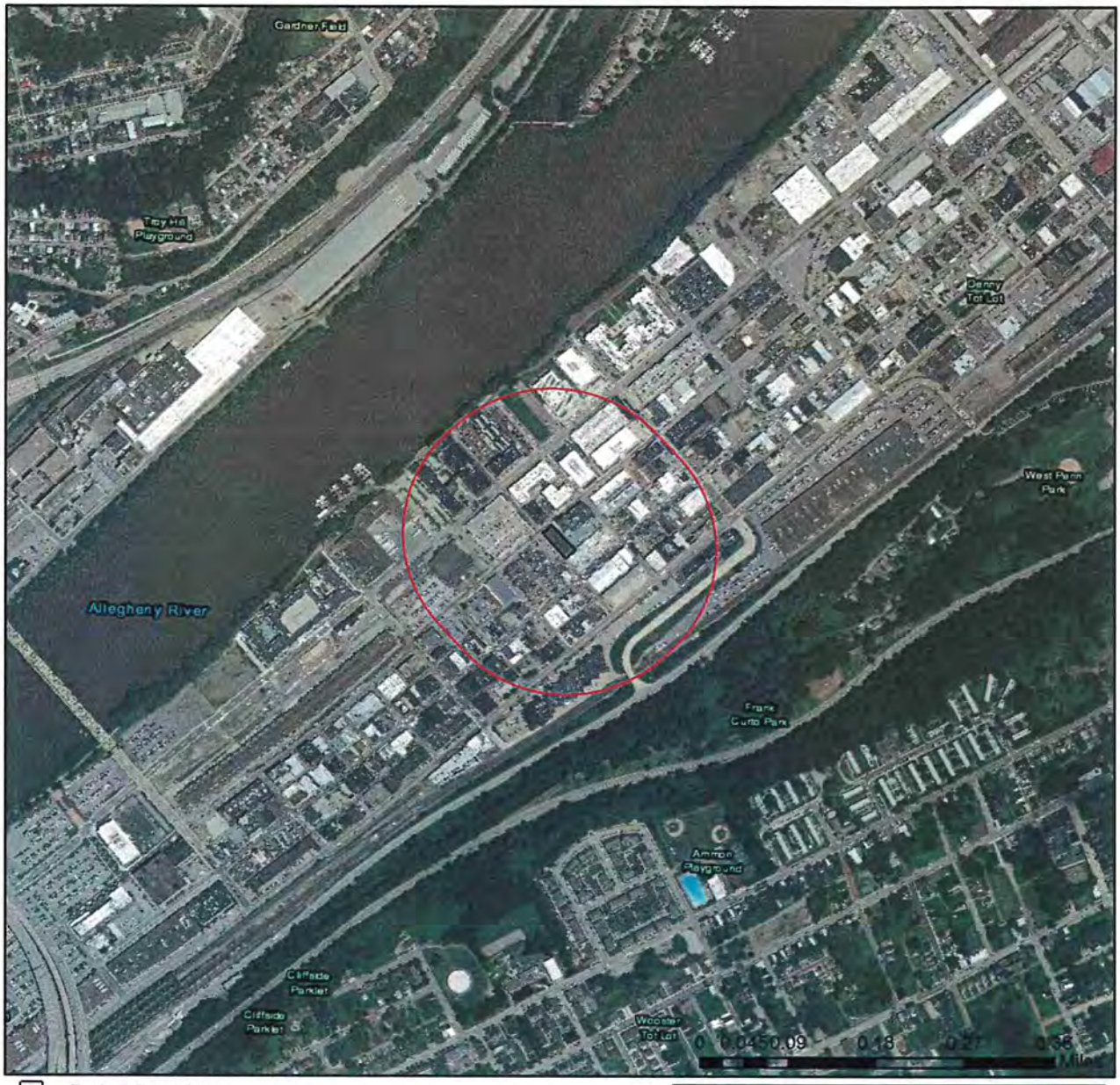
Project Name: **2400 Smallman Street Redevelopment**
Date of Review: **5/7/2020 02:59:24 PM**
Project Category: **Development, Additions/maintenance to existing development facilities**
Project Area: **0.30 acres**
County(s): **Allegheny**
Township/Municipality(s): **PITTSBURGH**
ZIP Code: **15222**
Quadrangle Name(s): **PITTSBURGH EAST**
Watersheds HUC 8: **Lower Allegheny**
Watersheds HUC 12: **Allegheny River-Ohio River**
Decimal Degrees: **40.453947, -79.981077**
Degrees Minutes Seconds: **40° 27' 14.2098" N, 79° 58' 51.8758" 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	**Conservation Measure**	**No Further Review Required, See Agency Comments**
U.S. Fish and Wildlife Service	**Conservation Measure**	**No Further Review Required, See Agency Comments**

Pennsylvania Natural Diversity Inventory (PNDI) records indicate that while threatened and endangered and/or special concern species and resources are in the project vicinity and that recommended Conservation Measures should be implemented in their entirety to avoid and minimize impacts to these species, no further coordination is required with the jurisdictional agencies. If a DEP permit is required for this project, DEP has the discretion to incorporate one or more Conservation Measures into its permit. This response does not reflect potential agency concerns regarding potential impacts to other ecological resources, such as wetlands.

2400 Smallman Street Redevelopment

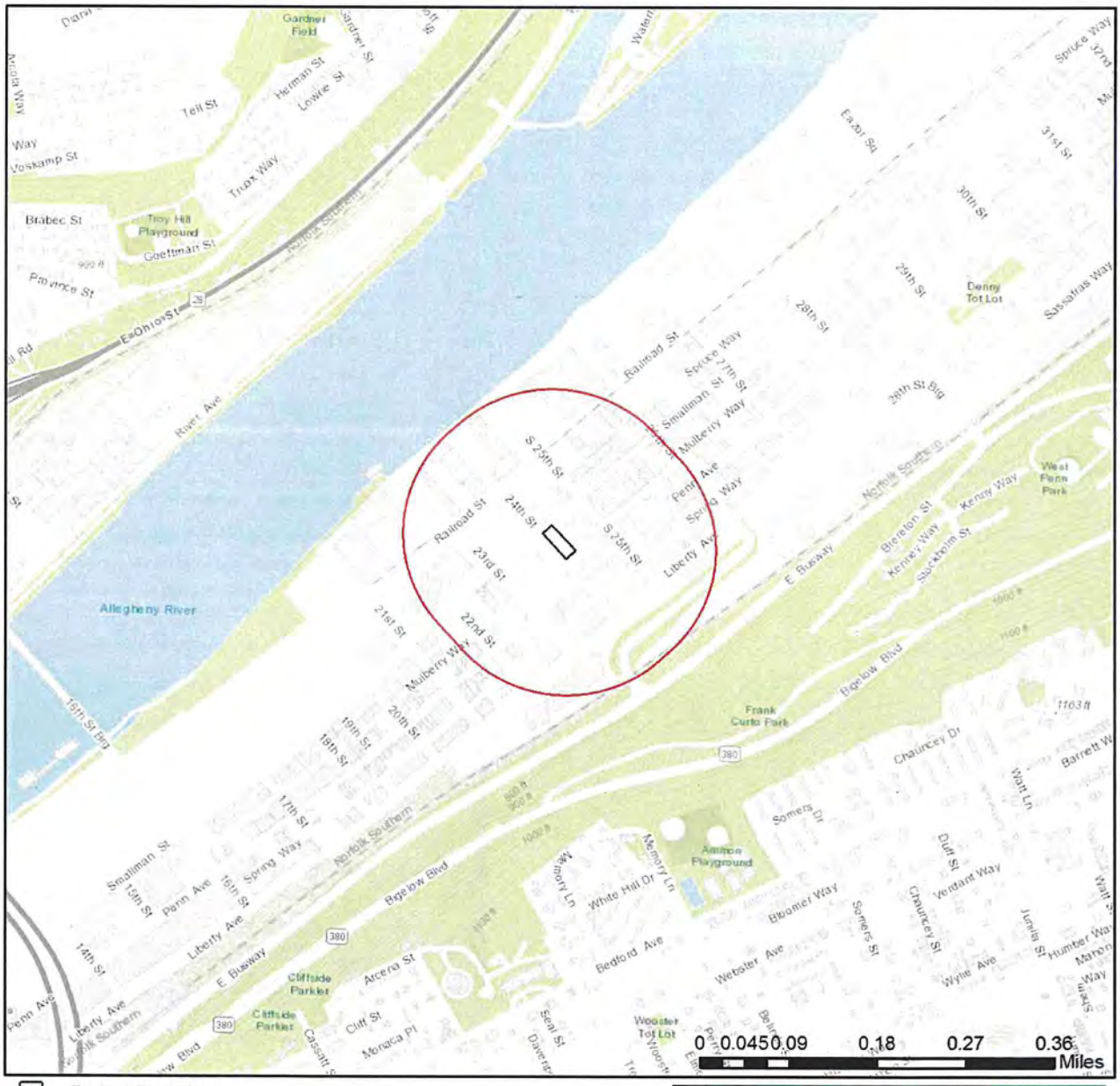


Project Boundary

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

2400 Smallman Street Redevelopment



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: Select the statement below that accurately describes where the proposed project and project-associated activities will occur. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.).
Your answer is: All project activities will occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, or railroad bed.

Q2: Describe how wastewater (effluent) will be handled (select one). For the purpose of this question, wastewater/effluent does not include stormwater runoff. If the project involves solely the renewal or modification of an existing discharge permit (e.g., NPDES permit), select from options 3, 4, 5, or 6 below.
Your answer is: All wastewater/effluent from this project/activity will be routed to an existing municipal wastewater treatment plant.

Q3: Select the statement below that accurately describes where the proposed project and project-associated activities will occur. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.).
Your answer is: All project activities will occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, or railroad bed.

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:

Conservation Measure: The natural flow regime and water quality in this watershed are important to maintaining habitats occupied by rare fish and mussels. PFBC recommends that you take measures to maintain a natural flow regime, high water quality, and quantity. Maintenance or restoration of the riparian corridor will aid in connecting habitats and improving water quality and quantity for fish and mussels. PFBC recommends retaining (or restoring, if not already present) a riparian buffer (100 to 300 feet, if possible) on each side of the waterway (river, stream, creek). This buffer should be vegetated with native plant species. When adequately vegetated, this upland buffer will act to stabilize the streambanks (preventing or minimizing erosion), and filter pollutants (e.g., sediment, fertilizers, pesticides, road salt, oil). Where streambanks have become badly eroded (e.g., due to previous removal of native riparian vegetation), streambank fencing and/or bioengineering restoration techniques are recommended (geotextile, root wads, vegetative stabilization), rather than riprapping the streambanks; removing gravel bars; or attempting to dredge, ditch, channelize, or widen the stream. Use stringent erosion and sedimentation controls before, during, and after project implementation to ensure that sediment and contaminants do not enter any waterway(s) (rivers, creeks, streams, tributaries) or waterbodies (lakes, ponds).

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

Scientific Name	Common Name	Current Status
Obliquaria reflexa	Threehorn Wartyback	Special Concern Species*

U.S. Fish and Wildlife Service
RESPONSE:

Conservation Measure: Voluntary implementation of the following recommendations will contribute to the conservation and recovery of endangered and threatened species. -- In order to maintain or improve water quality for endangered aquatic species, retain (or restore, if not already present) a 100- to 300-foot wide buffer on each side of the waterway (river, stream, creek) or waterbody (lake). Avoid construction, earth disturbance, and chemical application in this buffer. The buffer should be vegetated with native plant species. When adequately vegetated, this upland buffer will act to stabilize the streambanks (preventing or minimizing erosion), and filter pollutants (e.g., sediment, fertilizers, pesticides, road salt, oil). Where streambanks have become badly eroded (e.g., due to removal of native riparian vegetation), streambank fencing and/or bioengineering restoration techniques are recommended (geotextile, root wads, vegetative stabilization), rather than riprapping the streambanks; removing gravel bars; or attempting to dredge, ditch, channelize, or widen the stream.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.
** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

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
Email: IR1_ESPenn@fws.gov
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

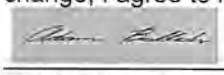
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name:_Adam Ballish_____
Company/Business Name:_KU Resources, Inc._____
Address:_22 South Linden Street_____
City, State, Zip:_Duquesne, PA 15110_____
Phone:(_412____)__469-9331_____Fax:(_____)_____
Email:___aballish@kuresources.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.



_____ _02/17/2021_____
applicant/project proponent signature date

PIN: 0025N00076000000

This map is for informational purposes only.
Parcel information is provided from the
Office of Property Assessments in Allegheny County.
Content and availability are subject to change. Property characteristics and values change due to a variety of factors such as court rulings, municipality permit processing and subdivision plans. Excludes name and contact information for property owners, as required by Ordinance 3478-07. For additional information, call the Allegheny County GIS Help Desk at (412) 350-4774 or email at GISHelp@AlleghenyCounty.US.

0 55 110 220 Feet

0 0.01 0.02 0.04 Miles

WGS84 Web Mercator

N

Parcel ID : 0025-N-00076-0000-00
Property Address : 2400 SMALLMAN ST
PITTSBURGH, PA 15222

Municipality : 102 2nd Ward - PITTSBURGH
Owner Name : TERMINAL LEASING INC

School District :	Pittsburgh	Neighborhood Code :	51C06
Tax Code :	Taxable	Owner Code :	Corporation
Class :	Industrial	Recording Date :	6/20/2019
Use Code :	WAREHOUSE	Sale Date :	6/7/2019
Homestead :	No	Sale Price :	$1,600,000
Farmstead :	No	Deed Book :	17662
Clean And Green	No	Deed Page :	239
Other Abatement :	No	Lot Area :	9,392 SQFT

2020 Full Base Year Market Value		2020 County Assessed Value	
Land Value	$150,300	Land Value	$150,300
Building Value	$174,700	Building Value	$174,700
Total Value	$325,000	Total Value	$325,000

2019 Full Base Year Market Value		2019 County Assessed Value	
Land Value	$150,300	Land Value	$150,300
Building Value	$174,700	Building Value	$174,700
Total Value	$325,000	Total Value	$325,000

Address Information

Owner Mailing : 15 27TH ST
PITTSBURGH , PA 15222-4729

PGH2O Pittsburgh Water & Sewer Authority

January 15, 2021

Bob Smith
KU Resources, Inc.
22 South Linden Street
Duquesne, PA 15110

Subject: Water and Sewer (W&S) Use Approval
Project Name: 2400 Smallman Street
PWSA Project No.: 20013.20

Dear Mr. Smith:

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

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
Project Flow	8,528	8,528	0.25
Existing Flow	80	80	0.25
Net Flow	8,448	8,448	

The PWSA shall request the Department of Environmental Protection (DEP) to issue a Final Determination on the Need for Sewage Planning. If sewage planning is required, we have enclosed for your use the location of the most limited capacity sewer (MLCS). The hydraulic capacity of the MLCS shall be determined via the following method:

☐ Peak Flow Depth Measurements (Sanitary Net Flow ≤ 2,000 gpd)
☒ Flow Monitoring (Sanitary Net Flow > 2,000 gpd)

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

Sincerely,

Zachary D Rinker
2021.02.15
13:53:36 -05'00'

Zachary Rinker, P.E.
Associate Project Manager

Enclosure(s)
cc: Barry King, PE, PMP – PWSA (via email)
Kate Mechler, PE – PWSA (via email)
Robert Herring, PE, PMP – PWSA (via email)
eBuilder – Filing System (via email)

PGH2O

Water and Sewer (W/S) Use Application Form

Instructions

The complete W/S Use Application shall be uploaded via e-builder. To obtain an e-builder project folder, please make a request on our website at www.pgh2o.com/permits. In addition, please refer to the Developer's Manual for detailed information on application requirements.

Requirements

☑ Application Fee ☑ Application Form ☑ Narrative

☑ Flow Calculations ☑ Site Plan ☑ Floor Plan

Project Info

Project Name: 2400 Smallman Redevelopment

Address: 2400 Smallman Street

Pittsburgh, PA 15222

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

Owner/Developer

Name: Terminal Leasing Inc.

Address: 15 27th Street

Pittsburgh, PA 15222

Email: Maug, James <jmaug@pittohio.com>

Phone Number: 412-232-3015 x6264

Consultant

Firm Name: KU Resources

Address: 22 South Linden Street

Duquesne, PA 15110

Contact Name: Bob Smith

Email: bsmith@kuresources.com

Phone Number: (412) 469-9331

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd	Storm, cfs
Project Flow	8,528	8,528	0.25
Existing Flow	80	80	0.25
Net Flow	8,448	8,448	Not Required

Signature

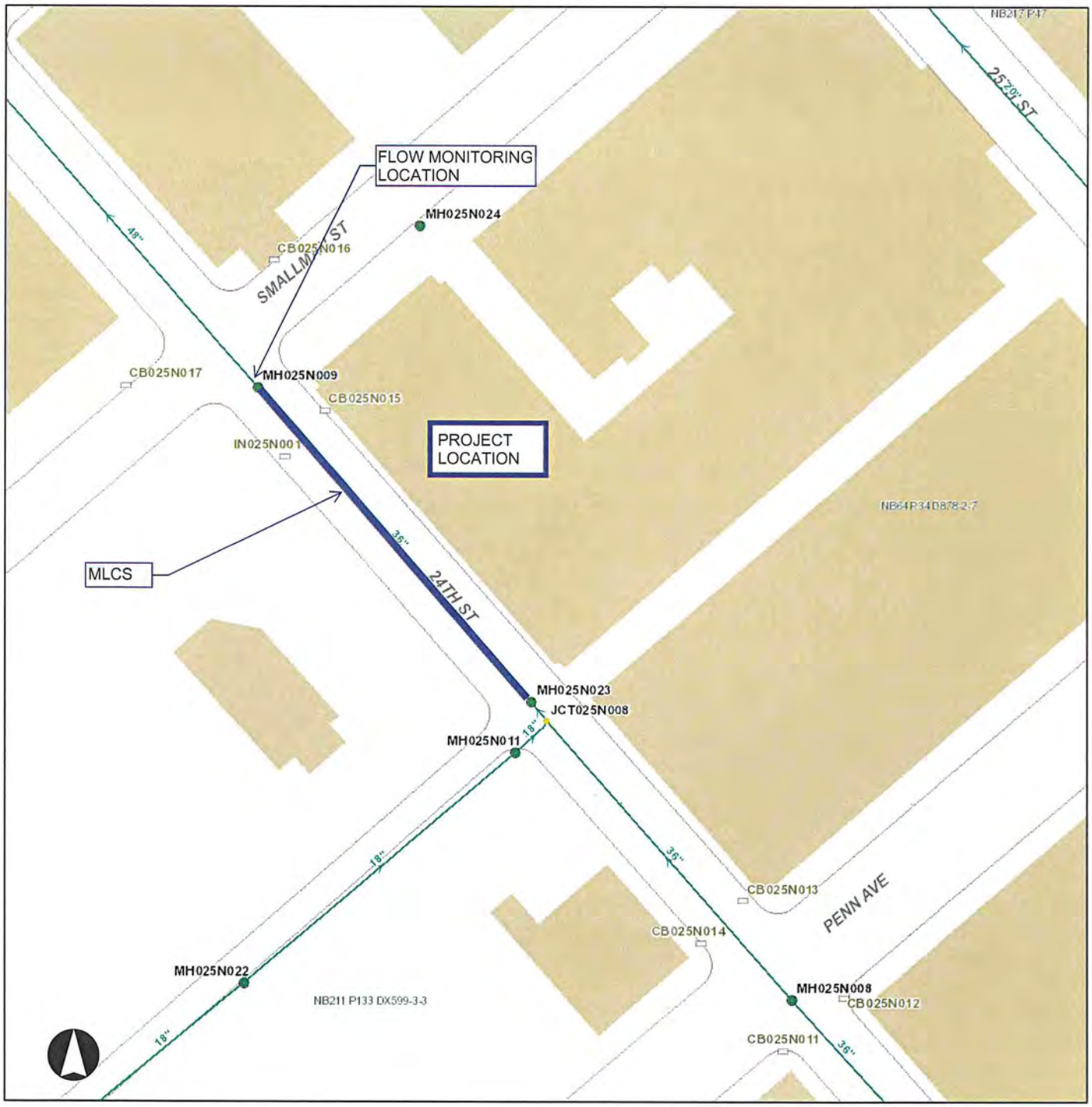
By signing below, I hereby certify, to the best of my knowledge, that the information provided within the Water and Sewer Use Application is true, complete and accurate.

Name, printed: Robert L. Smith

Signature: Robert L. Smith

Date: January 29, 2021

MCLS Map - 2400 Smallman Street



Legend

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

0 0.0075 0.015 mi

PGH2O

Date: 1/28/2021

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	2400 Smallman Street
PWSA PROJECT NUMBER:	20013.2
PWSA REVIEWER:	Z Rinker
DATE:	January 28, 2021

LEGEND:

Output Data
Input Data
Questionable Data
Hydraulically Limited Sewer

Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
MH025N023	MH025N009	722.73	721.63	167.07	36	BR	0.016	7.07	9.425	0.66%	28,496,977
MH025N009	JCT025N003	721.63	718.15	180.85	48	BR	0.016	12.57	12.566	1.92%	104,918,486
JCT025N003	MH025N013	718.15	716.31	168.98	48	BR	0.016	12.57	12.566	1.09%	78,924,694
MH025N013	MH025N021	716.31	715.87	17.00	48	BR	0.016	12.57	12.566	2.59%	121,681,212
MH025N021	ADC024WA18	715.87	707.31	284.26	48	BR	0.016	12.57	12.566	3.01%	131,250,406

PGH2O Pittsburgh Water & Sewer Authority

February 15, 2021

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

Subject: Preliminary Determination on the Need for Sewage Planning
Project Name: 2400 Smallman Street
PWSA Project No.: 20013.20

Dear Mr. Flanagan:

Please be advised that the Pittsburgh Water and Sewer Authority has approved the Water and Sewer (W/S) Use Application for the aforementioned Project. We have enclosed the W/S Use Approval Letter and the supporting documentation. The approved sanitary flows are summarized below:

Type of Sanitary Flow	Definition	Flow, gpd
Project Flow	Peak daily flow associated with the Project	8,528
Existing Flow	Peak daily flow within the past five years	80
Net Flow	= Project Flow – Existing Flow	8,448

Please see below for our Preliminary Determination on the Need for Sewage Planning:

☒ Yes, we believe the Project requires sewage planning
☐ No, we believe the Project does not require sewage planning

Based on the foregoing, please provide a Final Determination on the Need for Sewage Planning.

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 ZRinker@pgh2o.com.

Sincerely,

Zachary D Rinker
2021.02.15
14:11:37 -05'00'

Zachary Rinker, P.E.
Associate Project Manager

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

PGH2O Pittsburgh Water & Sewer Authority

RECEIVED
FEB 19 2020
BY: .....

February 17, 2020

Bob Smith
22 South Linden Street
Duquesne, PA 15110

RE: Water and Sewer Availability
2400 Smallman Street

Dear Mr. Smith:

In response to your inquiry on 2/13/2020 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

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

PGH2O **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:	Terminal Leasing, Inc.		
Address of Property:	2400 Smallman, Pittsburgh, PA 15222		
Proposed Use of Site:	Retail		
Closest street intersection to the property:	24th & Smallman St		
Requestor Name:	Bob Smith	Date of Request:	02/13/2020
Requestor Address:	22 South Linden Street, Duquesne, PA 15110		
Requestor Phone Number:	412-469-9331 x19		

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: 8" Smallman St, 6" 24th St.

PWSA Sewer Service Available: ☑ Yes ☐ No Sewer Size / Location: 36" 24th Street

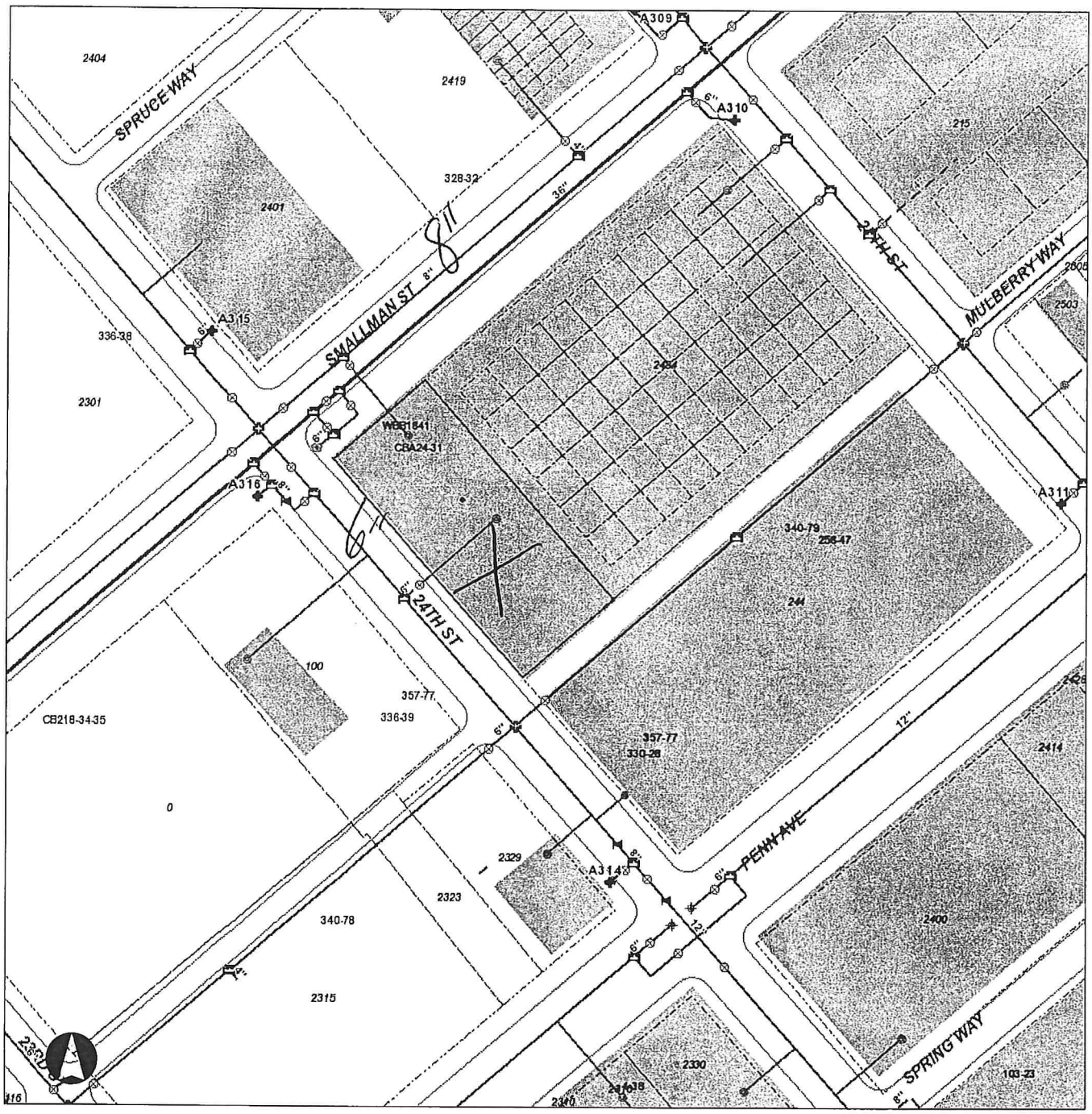
Applicant must contact separate agency for water and/or sewer service: ☐ Yes ☑ No

Name of separate agency:

PWSA Approval Authority:
Signature and Date: Wendy M Dean 2-17-2020
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.

2400 Smallman Street - Water



Legend

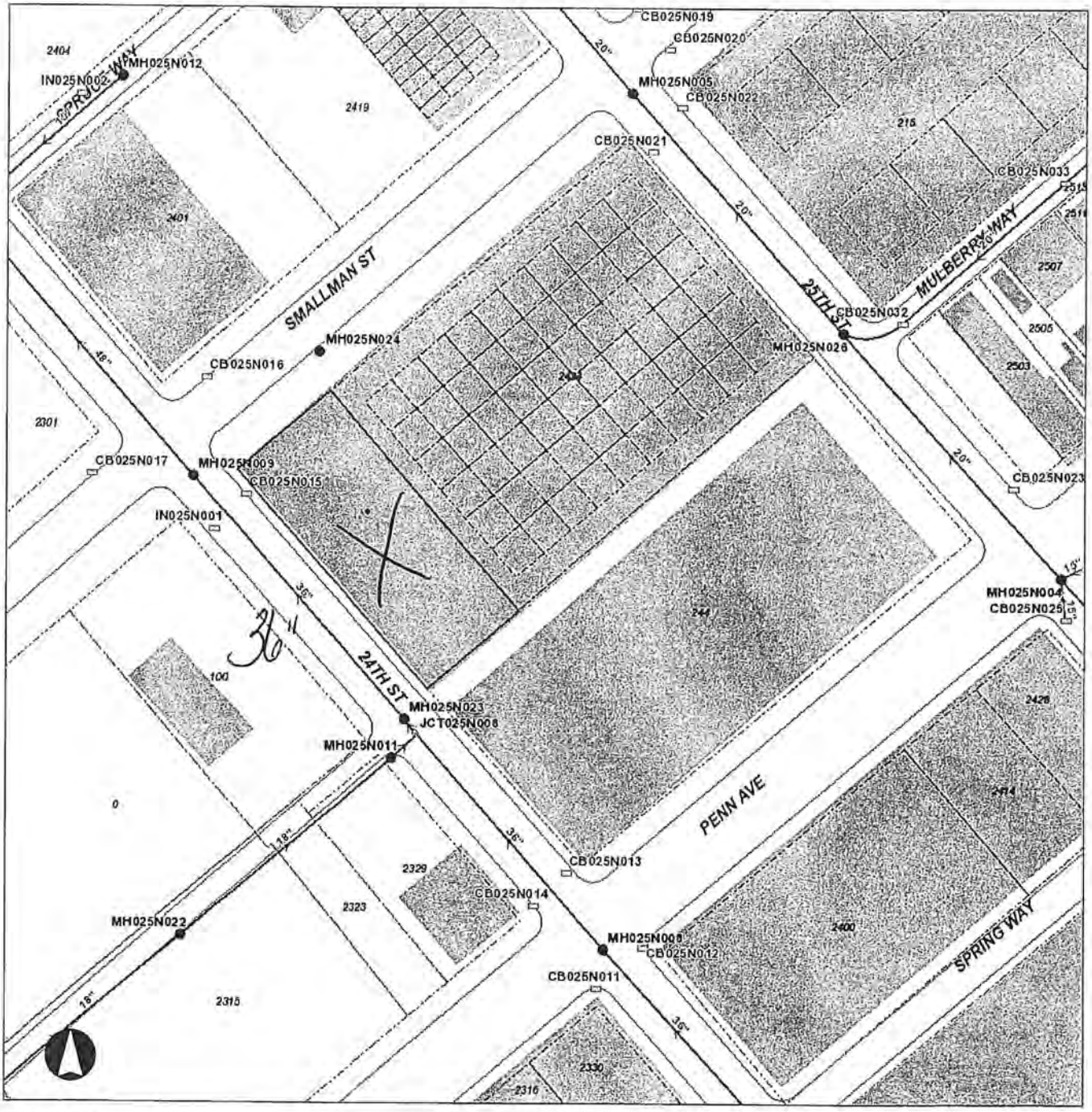
WATER	Pressure Monitoring Station	Outfall
Meter	Water Manhole	End Cap
Curb Box	Rising Main	Sewer Pump Station
Water System Pump	Supply Main	Combined Sewer
Hydrant	Transmission Main	Sanitary Sewer
System Valve	Distribution Main	Storm Sewer
Dividing Pressure Valve	Hydrant Branch	Regulated Combined Sewer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

0 0.01 0.02 mi

PGH2O

Date: 2/14/2020

2400 Smallman Street - Sewer



Legend

WATER	Pressure Monitoring Station	Outfall
Meter	Water Manhole	End Cap
Curb Box	Rising Main	Sewer Pump Station
Water System Pump	Supply Main	Combined Sewer
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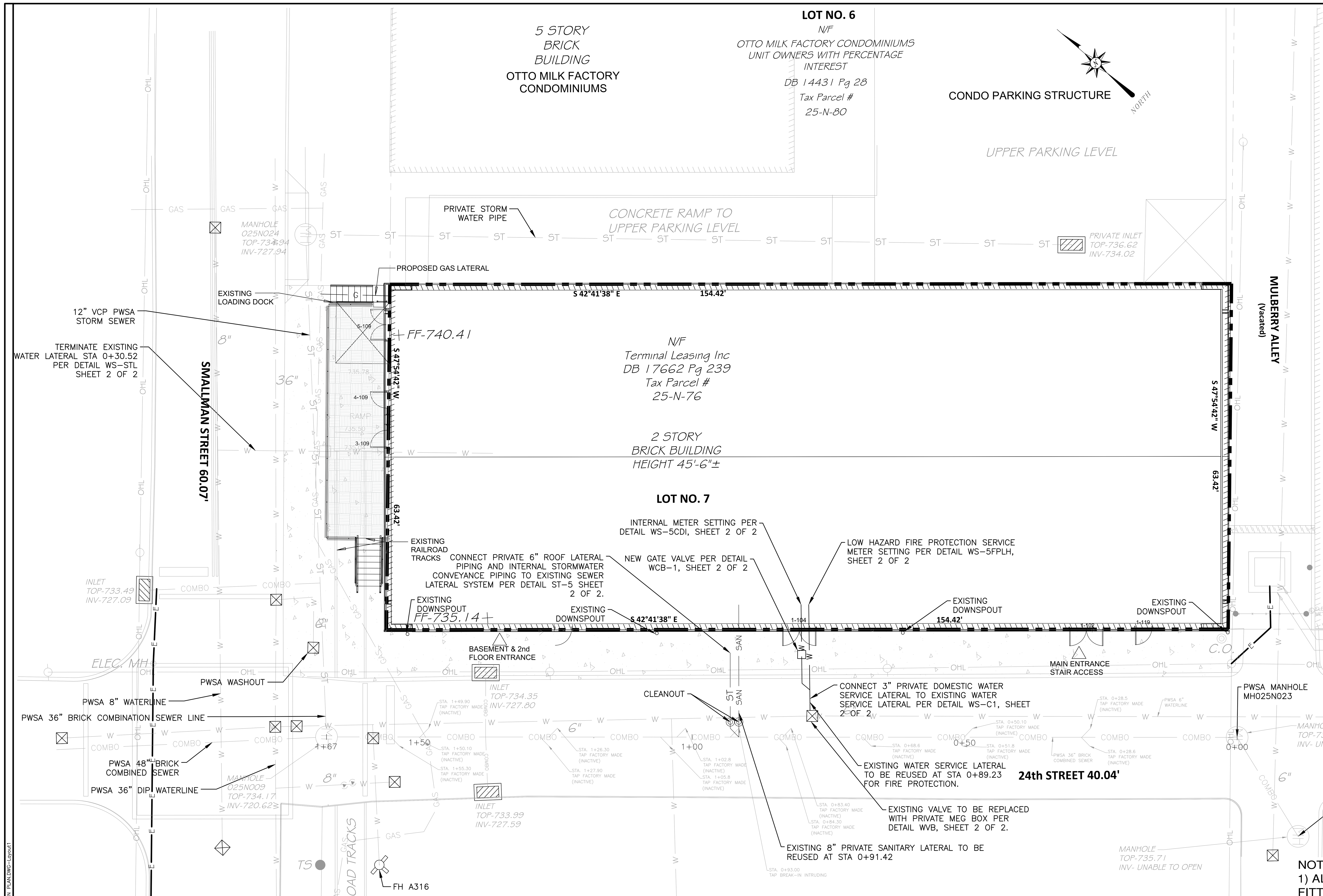
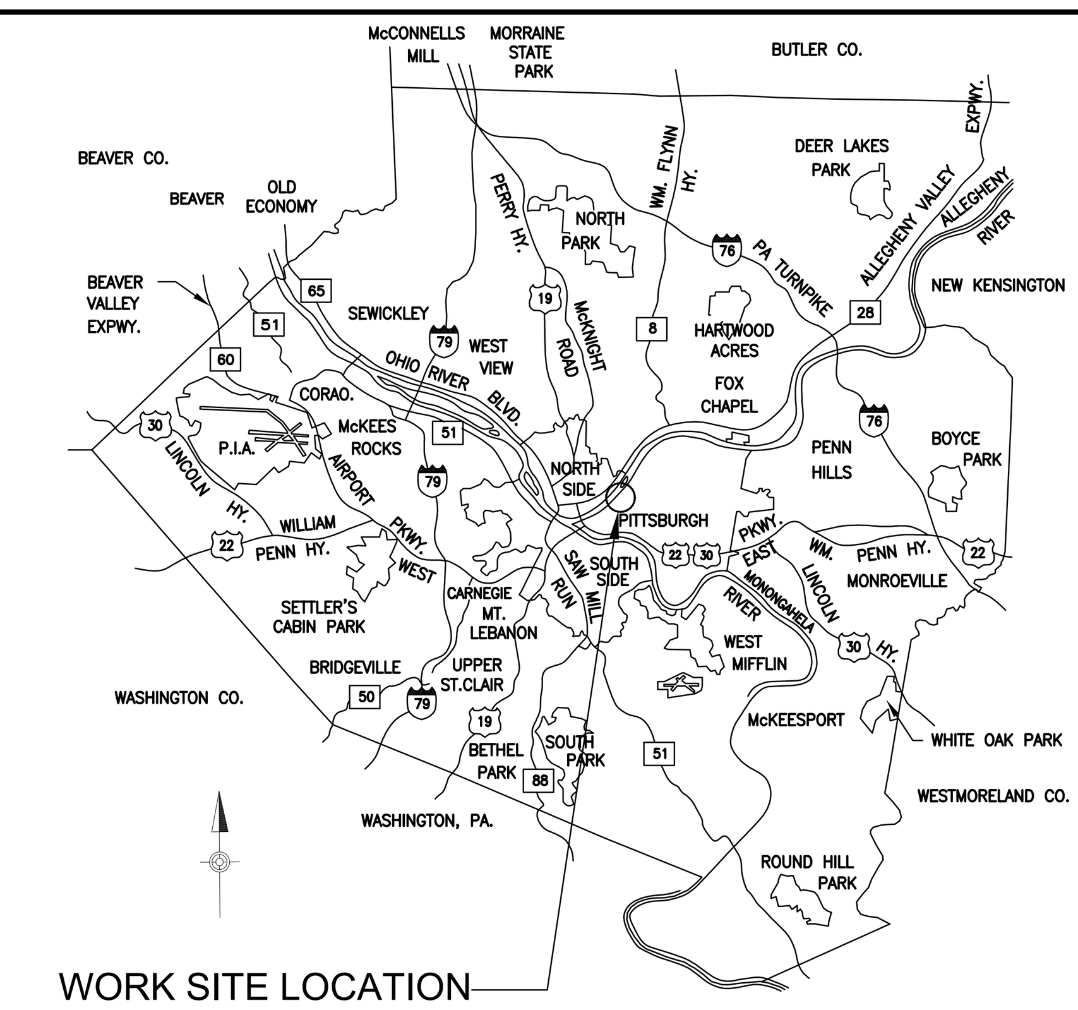
Reducer	Junction	Private Sewer
End Cap	Inlet	Undefined Sewer
Wash Out	Private Inlet	Green Infrastructure Underground Facilities

0 0.01 0.02 mi

PGH2O

Date: 2/14/2020





LOCATION MAP
N.T.S.

HYDRANT FLOW TEST RESULTS
To be completed by the Applicant:

DATE OF TEST 03-06-2020
HYDRANT PERMIT NUMBER 20-25
PERFORMED BY ____

FLOW HYDRANT
HYDRANT NUMBER A-317
LOCATION 24th ST @ RAILROAD ST
FLOW OBSERVED, GPM 1163

PRESSURE HYDRANT
HYDRANT NUMBER A-315
LOCATION 24th ST @ SMALLMAN ST
STATIC PRESSURE, PSI 90 PSI
RESIDUAL PRESSURE, PSI 88 PSI

CALCULATIONS
PROJECTED FLOW AT 20 PSI, GPM 7,932

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK
To be completed by the Applicant:
(Check all that apply)

____ NEW WATER CONNECTION(S)
____ NEW SEWER CONNECTION(S)
____ REUSE EXISTING WATER CONNECTION(S)
____ REUSE EXISTING SEWER CONNECTION(S)
X TERMINATE EXISTING WATER CONNECTION(S)
____ TERMINATE EXISTING SEWER CONNECTION(S)
____ PRIVATE CONSTRUCTION OF PUBLIC FACILITIES

To be completed by the PWSA:
(Required for ALL approvals)

REVIEWER ____

CHIEF OF OPERATIONS ____

(Required for "Private Construction of Public Facilities" ONLY)

DIRECTOR OF ENGINEERING AND CONSTRUCTION ____

PWSA PROJECT NUMBER 20013.20
TAP C RECORD NUMBER ____

Signatures / Approval by PWSA are for the physical connection(s) to the water and/or sewer system only. Responsibility for the design and work depicted by the drawings, including the flow design for the facilities, is by the Professional Engineer shown by the seal and signature affixed to the drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design.

EXISTING PWSA ACCOUNT NUMBER: 5001415-1227810
EXISTING PWSA METER NUMBER: 87681635 (1.5-INCH METER)

PGH2O
Pittsburgh Water & Sewer Authority

NOTES:
1) ALL CONNECTIONS AND FITTINGS PER ACHD PLUMBING CODE
2) EXISTING DOWNSPOUT SYSTEM DYE TESTED FOR VERIFICATION OF CONNECTION POINT TO EXISTING PWSA COMBO SEWER
3)DOMESTIC SERVICE GATE VALVE DESIGNATED AS "RIGHT TURN TO OPEN"

PEAK OPERATING WATER DEMANDS
To be completed by the Applicant:

	METER INFORMATION				DOMESTIC SYSTEM		FIRE SYSTEM	
I.D.	QUANTITY	SIZE	TYPE	USE	FLOW, GPM	PRESSURE, PSI	FLOW, GPM	PRESSURE, PSI
A	1	2"	POSITIVE DISPLACEMENT	DOMESTIC	125 GPM	40 PSI		
B	1	5/8"x3/4"	POSITIVE DISPLACEMENT	FIRE			475 GPM	54 PSI
C								
D								
E								

METER SIZE: 5/8", 5/8"x3/4", 3/4", 1", 2", 3", 4", 6", 8", 10", 12", 16"
METER TYPE: POSITIVE DISPLACEMENT, COMPOUND, ELECTROMAGNETIC, ULTRASONIC, TURBINE
METER USE: DOMESTIC, FIRE, COMBINATION

SPRINKLER SYSTEM DESIGN INFORMATION
To be completed by the Applicant:
LOCATION(S): ENTIRE BUILDING

TYPE OF SYSTEM (Check one)
____ 13D
____ 13R
X 13
____ OTHER: ____

SYSTEM CONFIGURATION (Check one)
X STAND-ALONE SPRINKLER SYSTEM
____ MULTI-PURPOSE SPRINKLER SYSTEM

HOSE DEMANDS (N/A for 13D systems)
INSIDE HOSE DEMAND, GPM 250 GP.
OUTSIDE HOSE DEMAND, GPM 0 GPM

PEAK DAILY FLOW DEMANDS
To be completed by the Applicant:

TYPE OF FLOW	SANITARY, GPD	WATER, GPD	STORM, CFS
PROJECT FLOW	7,564	7,564	0.25
EXISTING FLOW	80	80	0.25
NET FLOW	7,484	7,484	NOT REQUIRED
PWSA W&S USE APPROVAL DATE (If required)			
DEP SFPM APPROVAL DATE (If required)			

WATER AND SEWER FLOW DATA

WATER AND SEWER FLOW DATA	
WATER CONSUMPTION	7,564 GPD
SANITARY FLOW	7,564 GPD
STORM FLOW	0.25 CFS
APPLICATION NUMBER (ASSIGNED BY PWSA)	20013.20
DEP APPROVAL DATE (ASSIGNED BY PWSA)	# -/-/-

CALL BEFORE YOU DIG!
SERIAL NO. 20190661138

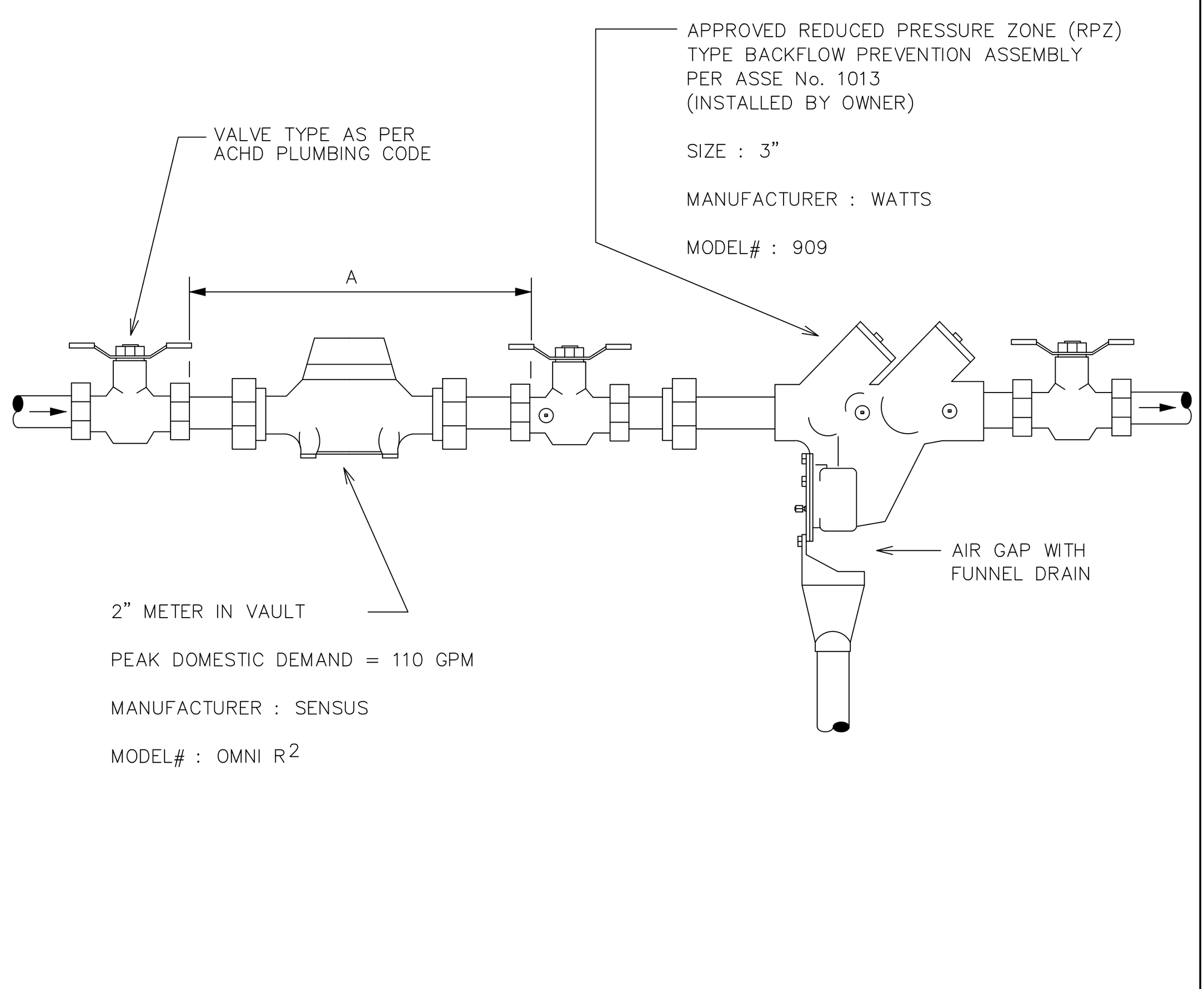
PREPARED BY:
KU Resources, Inc.
22 South Linden Street
Duquesne, PA 15110
412.469.9331
412.469.9336 fax
www.kuresources.com

SCALE – FEET
10 0 10 20

PFAFFMANN + ASSOCIATES
223 FOURTH AVENUE SUITE 800
PITTSBURGH, PENNSYLVANIA 15222
WATER & SEWER SERVICE TAP-IN

2400 SMALLMAN ST REDEVELOPMENT
PRO BIKE + RUN
2400 SMALLMAN STREET
PITTSBURGH, PENNSYLVANIA 15222

SCALE: PLAN - 1" = 10'
DATE: APRIL , 2020
REV1:SECOND SUBMISSION 02/05/21
SHEET 1 OF 2
ACCESSION NO. ____
CASE NO. ____



NOTES

1. METER TO BE INSTALLED IN A WARM, NON–FREEZING, ACCESSIBLE AREA WITHIN DWELLING, A MINIMUM OF 2' FROM FLOOR AND A MAXIMUM OF 3' FROM POINT OF ENTRY AND/OR FROM INSIDE WALL.

2. SEE ACHD PLUMBING CODE FOR ADDITIONAL PIPING AND PRESSURE REGULATOR REQUIREMENTS.

3. PROPER METER ACCESS REQUIRED. METER SETTING CAN NOT BE IN A RESTRICTED AREA (e.g. UNDER STEPS, BEHIND FURNACE OR HOT WATER TANK), OR IN OTHER OBSTRUCTED AREAS IN ANY WAY.

4. METER SETTING VALUES:

SIZE	COUPLING SPACE A	METER TAIL–PIECE	FLOW (GPM)
5/8"	12.5"	1/2"	20
5/8x3/4"	12.5"	3/4"	20
3/4"	14.25"	3/4"	30
1"	16.5"	1"	50

5. THE METER AND MXU SHALL BE PURCHASED FROM AND INSTALLED BY PWSA.

6. METER ASSEMBLY SETTINGS MUST BE INSTALLED BY THE CUSTOMER BEFORE THE METER WILL BE SET, INCLUDING METER SIGNAL WIRING.

7. CUSTOMER SHALL PROVIDE PROPER DRAIN AT METER SETTING LOCATION.

8. METER MUST BE INSTALLED IN A HORIZONTAL POSITION ONLY.

9. CUSTOMER TO PROVIDE DATA FOR PROPER PWSA SIZING AND PEAK DOMESTIC DEMAND.

REVISIONS

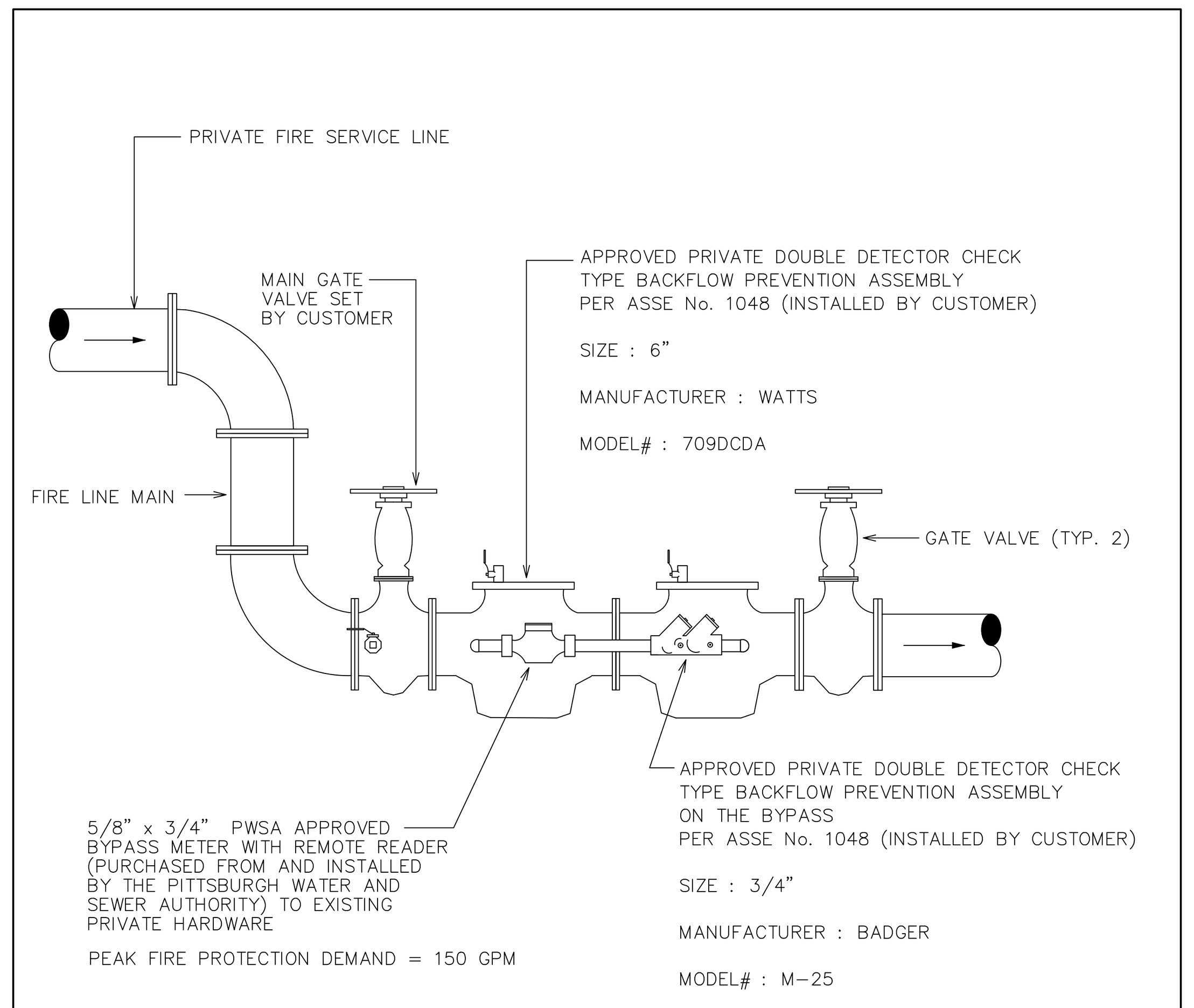
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Domestic Service Internal Meter Setting Commercial And Multi–Family

Approved by:

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–5CDI



NOTES:

1. ALL ITEMS SHOWN EXCEPT THE BYPASS METER AND MIU SHALL BE FURNISHED AND INSTALLED BY THE CUSTOMER.

2. CUSTOMER TO PROVIDE DATA FOR CORRECT SIZE, MODEL, MANUFACTURER, AND PEAK FIRE DEMAND.

3. INSTALLATION OF ASSEMBLY IS PERMITTED IN VAULT, AS DIRECTED.

4. MANDATORY TEST REQUIRED AT TIME OF INSTALLATION PER IPC 312.9.2. FIELD TESTING REQUIREMENTS AND REPORTING SHALL BE PER ASSE No. 5013 2.0 AND 3.0.

REVISIONS

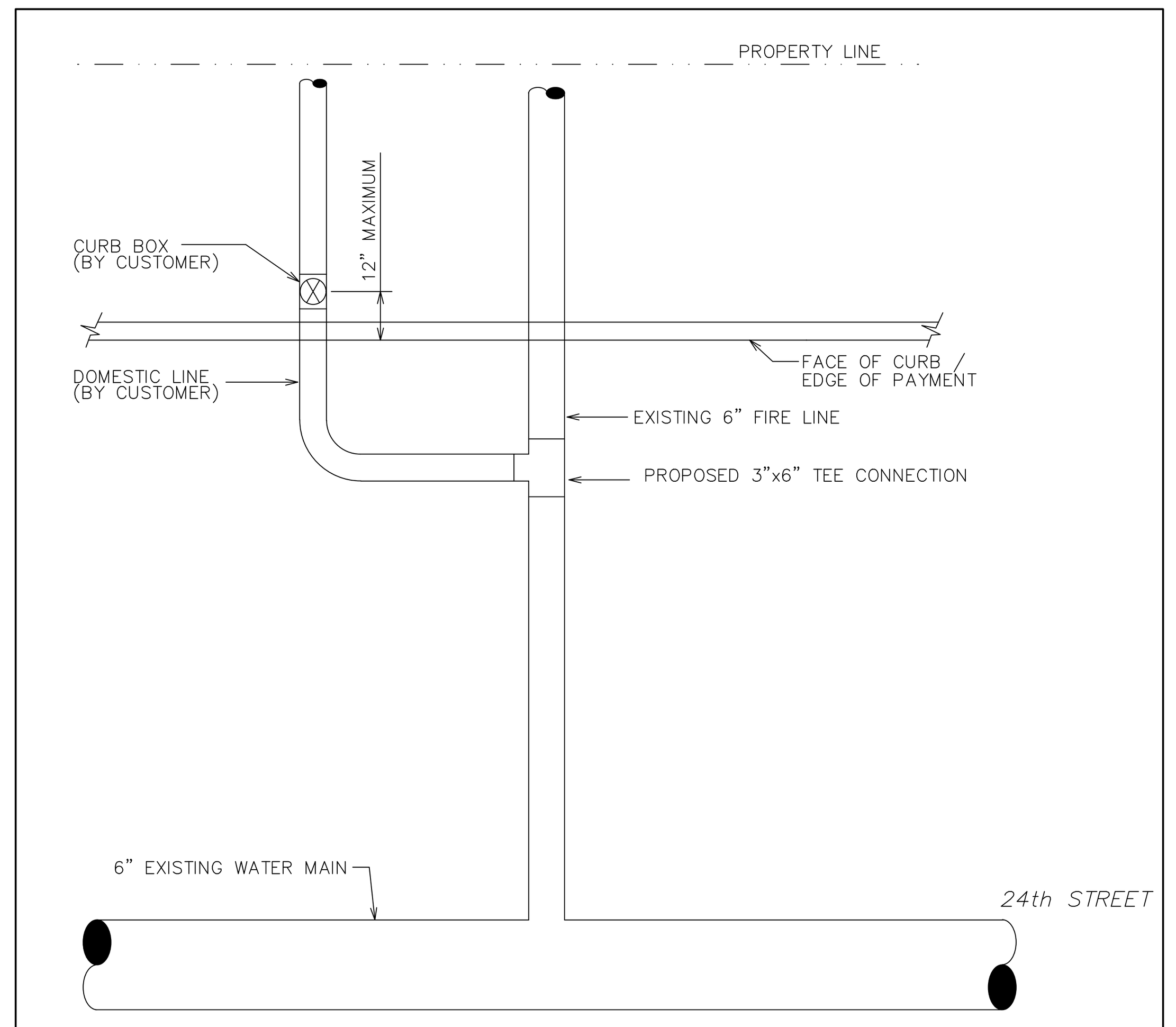
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Typical Plumbing Schematic Low Hazard Fire Protection Service

Approved by:

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–5FPLH



NOTES:

1. PWSA MAINTAINS METER; ALL OTHER WORK BY CUSTOMER.

2. CUSTOMER IS REQUIRED TO ENTER VALUES FOR ALL DIMENSION FIELDS ABOVE.

3. CUSTOMER IS RESPONSIBLE FOR, MAINTAINS, AND OWNS, INCLUDING THE TAPPING TEE ASSEMBLY, FROM THE MAIN TO THE BUILDING, 24th STREET.

7. ADDITIONAL BACKFLOW PREVENTION (RPZ TYPE) REQUIRED INTERNALLY ON COMMERCIAL OR HIGH HAZARD PROPERTIES.

8. ALL VALVES MUST BE "RIGHT TURN TO OPEN".

9. PRIVATE SERVICE LINE MATERIAL AND EQUIPMENT SHALL CONFORM TO ALLEGHENY COUNTY PLUMBING CODE, ARTICLE XV.

REVISIONS

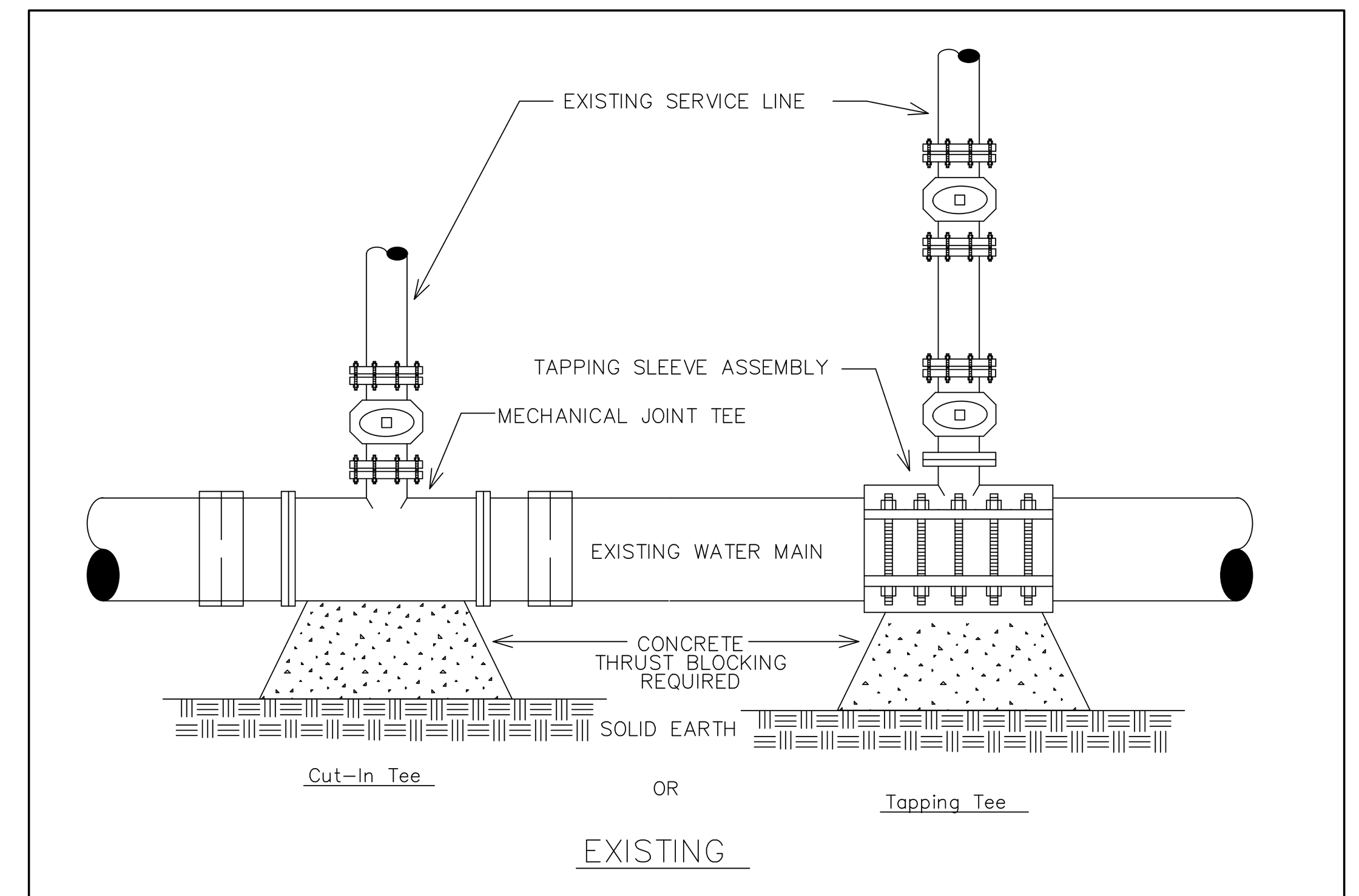
PGH2O Pittsburgh Water & Sewer Authority

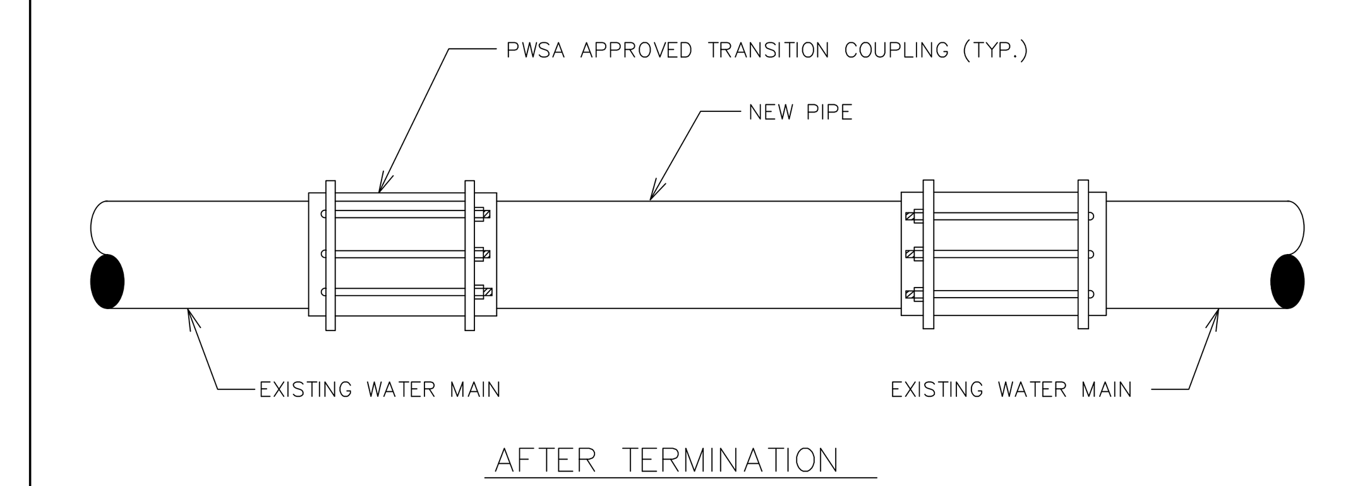
The Pittsburgh Water and Sewer Authority

Single Service Connection (4" And larger)

Approved by:

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–C1





NOTES:

1. CUT AND REMOVE EXISTING TEE; INSTALL SIZE ON SIZE SPOOL PIECE CONNECTING TO EXISTING MAIN AT EACH END WITH TRANSITION SLEEVES, AS DIRECTED.

2. MAIN LINE SHUT REQUIRED AND MUST BE COORDINATED AT THE PWSA PERMITS COUNTER.

REVISIONS

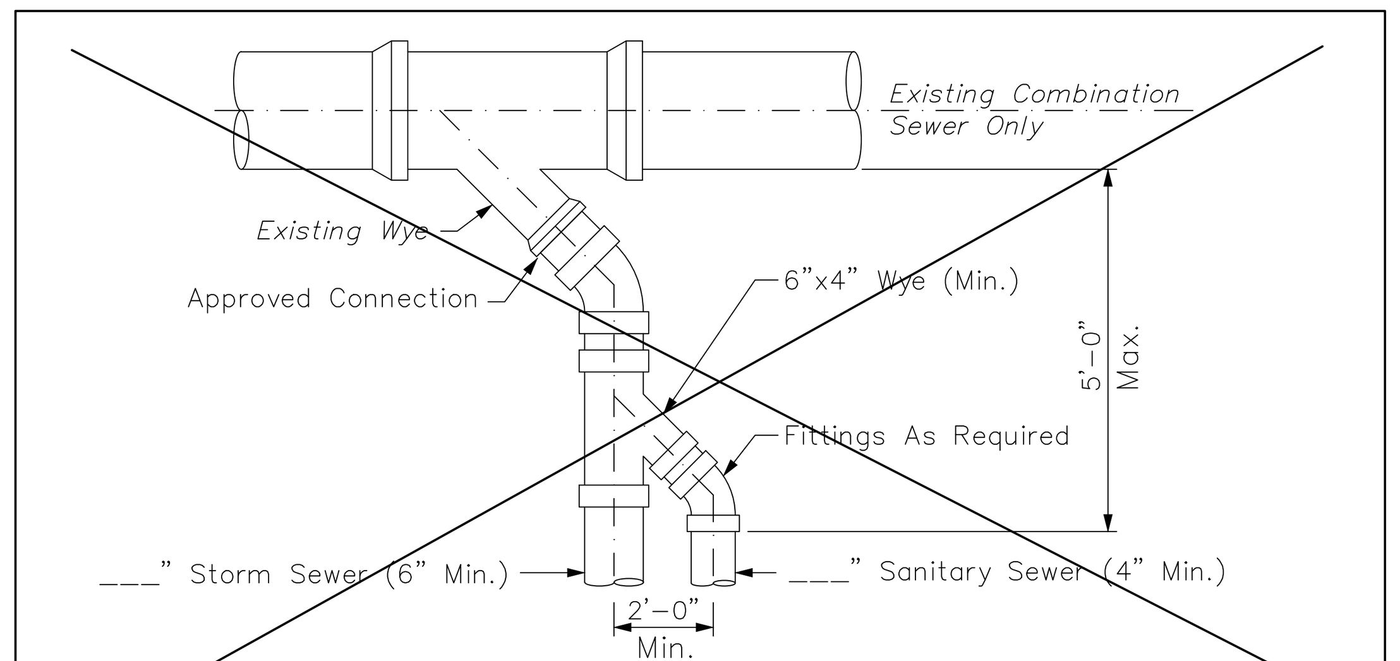
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

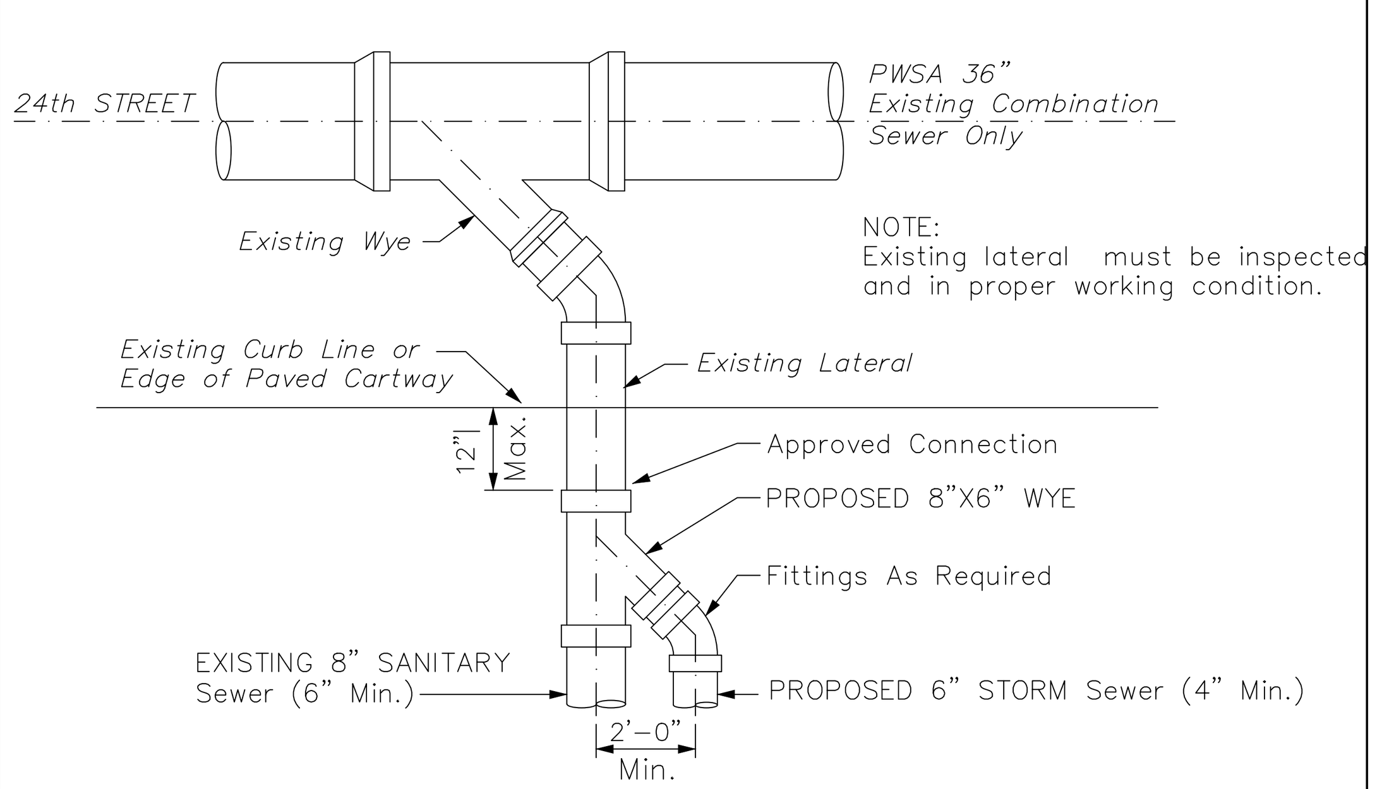
Typical Water Tap Service Termination For 4" And Larger Connection

Approved by:

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WS–STL



NEW CONSTRUCTION PLAN VIEW DETAIL



MODIFICATION TO EXISTING STRUCTURE OR FACILITY PLAN VIEW DETAIL 24th STREET

REVISIONS

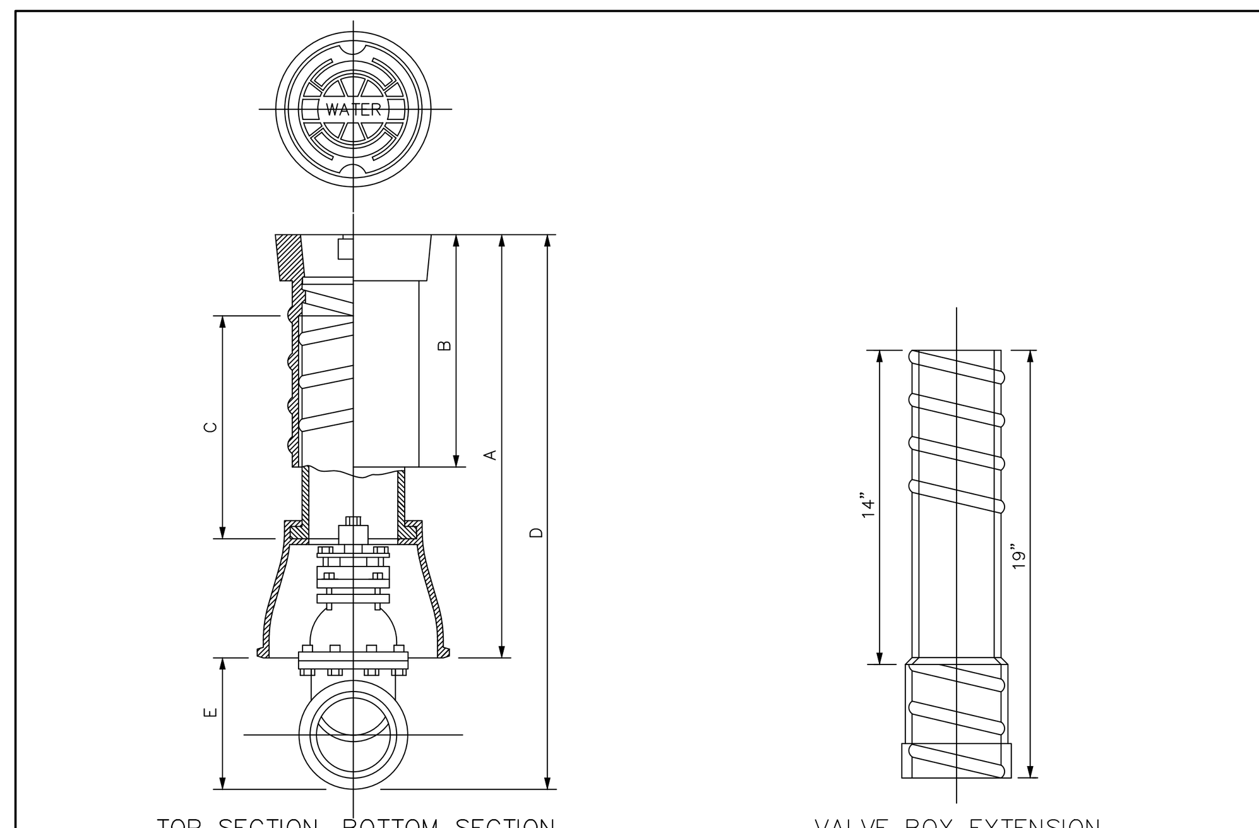
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Separated House Lateral One Connection To Main

Approved by:

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: ST–5



TOP SECTION, BOTTOM SECTION AND COVER

VALVE BOX EXTENSION

SIZE NO.	EXTENSION RANGE – A	TOP SECTION & COVER			BOTTOM SECTION			No. 6 BASE WT.	TOTAL WEIGHT
		NO.	DIM. B	WEIGHT	NO.	DIM. C	WEIGHT		
I I	21" – 27"	74	9.00	58.5	80	8.00	14.0	45.0	117.50
I	27" – 39"	75	15.25	81.5	81	14.00	24.5	45.0	151.00
J	33" – 45"	75	15.25	81.5	82	20.00	30.0	45.0	156.50
K	39" – 51"	75	15.25	81.5	83	26.25	41.0	45.0	167.50
L	39" – 60"	76	26.00	111.0	83	26.25	41.0	45.0	197.00

TABLE FOR DETERMINING LENGTH OF BOX NEEDED

SIZE OF VALVE	BOTTOM BASE TO BOTTOM TRENCH (DIM. E)	No. BASE USED	DEPTH OF TRENCH (DIM. D)								
			36"	42"	48"	54"	60"	66"	72"	78"	84"
3	8"	4	I I	I	J	K	L	L	L*	L*	O*
4	13–1/2"	4	I I	I	J	J	K	L	L	L*	L*
6	15"	6	I I	I I	J	J	J	K	L	L*	L*
8	19"	6		I I	I	J	J	K	L	L	L*
10	24"	6			I I	I	I	K	K	L	L
12	31"	160				I I	I	J	K	K	L
14	36–1/2"	160					I I	I	J	J	K
16	41–1/4"	160						I I	I	I	J

* LONGER BOXES MADE BY ADDING EXTENSIONS TO SIZE L. FOR VALVE CLOSER TO SURFACE, USE NO. 140 ROUND BASE AND REDUCE LENGTH SHOWN ABOVE BY 6 INCHES.

NOTES:

1. MEDIUM EXTENSION GATE VALVE BOX SHALL BE BINGHAM & TAYLOR No. 5001, OR APPROVED EQUAL.
2. MADE OF CAST IRON, SCREW TYPE, 3-PIECE BOX w/ LID AND #6 BASE, 7" DIAMETER SHAFT.
3. LABELED "WATER" ON THE COVER.

REVISIONS

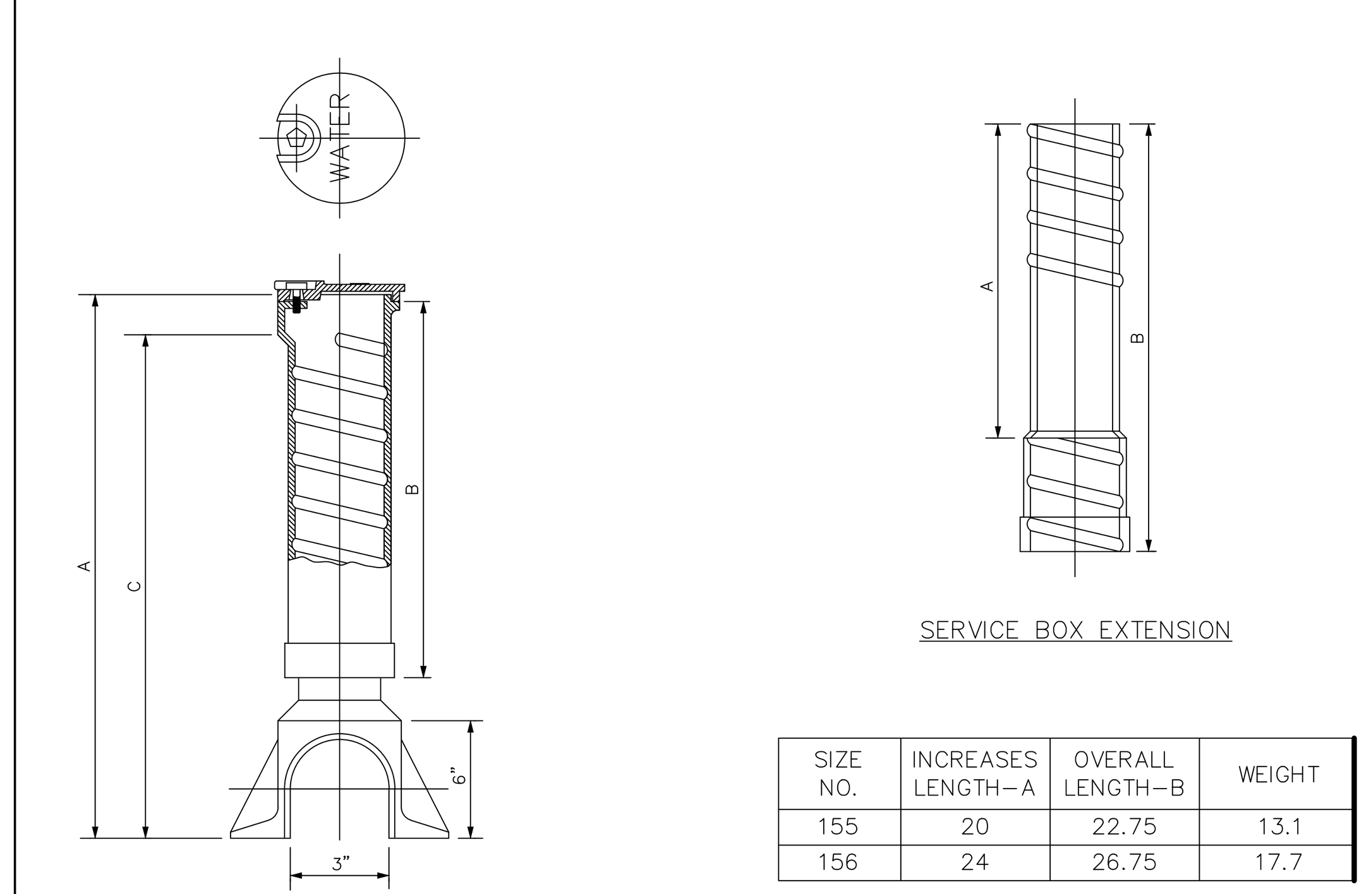
PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

Valve Box (Medium Extension Gate Box)

Approved by:

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WVB



TOP SECTION, BOTTOM SECTION AND COVER

SERVICE BOX EXTENSION

SIZE NO.	INCREASES LENGTH–A	OVERALL LENGTH–B	WEIGHT
155	20	22.75	13.1
156	24	26.75	17.7

SIZE NO.	EXTENSION RANGE – A	TOP SECTION & COVER			BOTTOM SECTION			TOTAL WEIGHT
		NO.	WEIGHT	DIM. B	NO.	WEIGHT	DIM. C	
2	24" – 39"	9	19.6	18	2	14.1	23.0	32.7

NOTES:

1. SERVICE BOX SHALL BE BINGHAM & TAYLOR BUFFALO STYLE (3" OLD STYLE), No. 4930 OR APPROVED EQUAL.
2. DIMENSIONS IN INCHES; WEIGHT IN POUNDS.
3. LABELED "WATER" ON THE COVER.

REVISIONS

PGH2O Pittsburgh Water & Sewer Authority

The Pittsburgh Water and Sewer Authority

3" Curb Service Box

Approved by:

Scale: N.T.S. | $FILENAME$ | Supplemental Detail Drawing: WCB–1

THE PITTSBURGH WATER & SEWER AUTHORITY APPROVAL BLOCK

To be completed by the Applicant:

(Check all that apply)

______ NEW WATER CONNECTION(S)
______ NEW SEWER CONNECTION(S)
______ REUSE EXISTING WATER CONNECTION(S)
______ REUSE EXISTING SEWER CONNECTION(S)
X TERMINATE EXISTING WATER CONNECTION(S)
______ TERMINATE EXISTING SEWER CONNECTION(S)
______ PRIVATE CONSTRUCTION OF PUBLIC FACILITIES

To be completed by the PWSA:

(Required for ALL approvals)

REVIEWER

CHIEF OF OPERATIONS

(Required for "Private Construction of Public Facilities" ONLY)

DIRECTOR OF ENGINEERING AND CONSTRUCTION

PWSA PROJECT NUMBER __________

TAP C RECORD NUMBER __________

Signatures / Approval by PWSA are for the physical connection(s) to the water and/or sewer system only. Responsibility for the design and work depicted by the drawings, including the flow design for the facilities, is by the Professional Engineer shown by the seal and signature affixed to the drawing. The PWSA does not represent or warrant that the water supply to the facilities is sufficient to support the design.

NOTE:
ALL CONNECTIONS AND FITTINGS PER ACHD PLUMBING CODE

CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE IN CONSTRUCTION PHASE AND 10 WORKING DAYS NOTICE IN DESIGN STAGE TO "PENNSYLVANIA ONE CALL SYSTEM, INC." 1-800-242-1776.

PENNSYLVANIA ACT 187 (1996) NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH, CALL PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-242-1776 BEFORE ANY DISTURBANCE.

PREPARED BY:
www.kuresources.com
KU Resources, Inc.
22 South Linden Street
Duquesne, PA 15110
412.469.9331
412.469.9336 fax

PFAFFMANN + ASSOCIATES
223 FOURTH AVENUE SUITE 800
PITTSBURGH, PENNSYLVANIA 15222

WATER & SEWER SERVICE TAP–IN

2400 SMALLMAN ST REDEVELOPMENT PRO BIKE + RUN 2400 SMALLMAN STREET PITTSBURGH, PENNSYLVANIA 15222

SCALE: PLAN - AS NOTED
DATE: MAY, 2020
REV1:SECOND SUBMISSION 02/05/21

SHEET 2 OF 2

ACCESSION NO. __________

CASE NO. __________