

Fiscal Impact Statement
Updated 1/29/2020 to satisfy City Code §219.07

Department	Law Department
Preparer	Benjamin Smith
Standing Committee Representative	Jacob Catt (KU Resources, Inc.) 412-469-9331 x1032
Type of Legislation	Other

Description of Legislation

Catherine Terrace, LLC has proposed the development of a certain parcel of land identified as Catherine Terrace, 618/620/622/624 Elmore St & 621/623/625/627 Perry St, Pittsburgh, PA 15219, identified in the Allegheny County System as Block and Lots 10-K-120 in the 5th Ward of the City of Pittsburgh, Pennsylvania and described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by use of existing connections to the City of Pittsburgh sewage systems; and

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

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

JDE Account Information

N/A

Additional Operational Costs

N/A

Impact on City Revenue

N/A

Summary of Proposed Legislation

Bill # / Title	Sewage Facilities Planning Module – Catherine Terrace
Department:	Law Department
Contact Person:	Jacob Catt – (412) 469-9331

<i>Ordinance</i>	<i>Contract Authorization</i>	<i>Capital Budget Amendment</i>	<i>Capital Encumbrance</i>	<i>Proclamation</i>	<i>Other</i>

Catherine Terrace, LLC has proposed the development of a certain parcel of land identified as Catherine Terrace, 618/620/622/624 Elmore St & 621/623/625/627 Perry St, Pittsburgh, PA 15219, identified in the Allegheny County System as Block and Lots 10-K-120 in the 5th Ward of the City of Pittsburgh, Pennsylvania and described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by use of existing connections to the City of Pittsburgh sewage systems; and

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

HISTORY:

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

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

Based upon the approval of the above authorities and departments, the Planning Module for land development conforms to applicable zoning, subdivision, other municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

BUDGETARY IMPACT:

N/A

ATTACHMENTS AND/OR EXHIBITS:

Attach additional information such as maps, pictures, spreadsheets, studies, correspondence or any other supporting documents for this legislation.



**TRANSMITTAL LETTER
 FOR SEWAGE FACILITIES PLANNING MODULE**

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

TO: Approving Agency (DEP or delegated local agency)
 PA Department of Environmental Protection
 400 Waterfront Drive
 Pittsburgh Pa. 15222-4745

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Jacob Catt (Name)
 (KU Resources) on behalf of Catherine Terrace, LLC for 618/620/622/624 Elmore St & 621/623/625/627 Perry St. (Title) (Name)

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

Allegheny County.
 (City, Borough, Township)

Check one

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

OR

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

Check Boxes

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

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

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

Municipal Secretary (print)

Signature

Date

Resolution No. _____

CITY OF PITTSBURGH

Introduced: Bill No:

Committee: Intergovernmental Affairs Committee Status:

Sponsored by:

Resolution adopting Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan for Catherine Terrace at 618/620/622/624 Elmore St & 621/623/625/627 Perry St, Pittsburgh, PA 15219.

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

WHEREAS, Catherine Terrace, LLC has proposed the development of a certain parcel of land identified as Catherine Terrace at 618/620/622/624 Elmore St & 621/623/625/627 Perry St, Pittsburgh, PA 15219, Allegheny County, at lot and block 10-K-120, in the 5th Ward of the City of Pittsburgh and described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by a proposed sewer tap-in to the City of Pittsburgh sewage systems; and

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

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

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

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

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

Said Planning Module includes the proposed Catherine Terrace at 618/620/622/624 Elmore St & 621/623/625/627 Perry St, Pittsburgh, PA 15219, Allegheny County at lot and block 10-K-120, in the 5th Ward of the City of Pittsburgh.

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

City of Pittsburgh
Sewer Facilities Planning Module Questionnaire

PROJECT NAME:

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

The property is comprised of multiple consolidated lots which were previously used as single-family homes or vacant lots.

2) What is the proposed use for the property?

The proposed use is multi-family attached townhomes. There will be four (4) one-bedroom units and four (4) three-bedroom units.

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

The development will meet all requirements for the City of Pittsburgh as well as the Allegheny County Conservation District. The development will minimize onsite impervious area with homes to allow for landscaping areas around the buildings. The low impact design for this development includes pull in driveways, only accounting for a small amount of impervious area on the lot, utilizing the right of way and sidewalk area.

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

Stormwater management plan has been completed and approved by The City of Pittsburgh. There is a net negative change in stormwater flow after storm water facilities.

**PROJECT NARRATIVE
CATHERINE TERRACE
5TH WARD, CITY OF PITTSBURGH
ALLEGHENY COUNTY, PENNSYLVANIA**

Prepared for:
**CATHERINE TERRACE, LLC
566 SOHO STREET
PITTSBURGH, PENNSYLVANIA 15219**

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

OCTOBER 2020

DESCRIPTION OF PROPOSED DEVELOPMENT

Catherine Terrace, LLC (Catherine Terrace) is developing a multi-family connected townhome project on the parcel numbered 10-K-120 in the 5th Ward of the City of Pittsburgh, Pennsylvania (Site). The proposed development will involve the construction of the above-mentioned multi-family townhome project which will be four (4) townhomes comprised of eight (8) total units and will be three stories tall. The project Site's future address will be 618/620/622/624 Elmore Street and 621/623/625/627 Perry Street, Pittsburgh PA 15219. The neighborhood is Middle Hill and located in the 5th Ward of the City of Pittsburgh. It is anticipated that all eight units will be rented and a single water bill will be issued to the owner or manager.

The Site was previously comprised of multiple parcels which have been consolidated into 10-K-120 for this development. The project area is currently a vacant lot but had previous buildings located within the project area. From aerial images it appears the buildings were demolished in early 2007. The existing utilities are available within both Perry Street and Elmore Street. Within both Perry Street and Elmore Street there are existing 15-inch sewers.

Catherine Terrace is proposing to construct the aforementioned townhomes within the project area. For all four connected townhomes there will be a one-bedroom unit on the ground floor, which will have off street parking and be accessed off of Elmore Street, and a three-bedroom unit on the first and second floors, which will be accessed and have off street parking off the second floor off of Perry Street. It is anticipated that the proposed developments water, storm, and sewer lines will be new connections to the existing services within Elmore Street. Proposed utilities installed within the existing right-of-way will be publicly owned and maintained.

PROPOSED SANITARY DESIGN

The proposed development will consist of eight (8) total units with four (4) being one bedroom and four (4) being three bedrooms. Per Table 1, Water Use and Sanitary Sewage Flow Estimates, PA Code Title 25 Chapter 73, one-bedroom units are 150 gallons per unit per day and three-bedroom units are 400 gallons per unit per day.

The total sanitary flows are estimated to be 2,200 gallons per day (6 EDUs) in the existing 15-inch combination sewer which is located within Elmore Street. The effluent will ultimately be sent to the Allegheny County Sanitation Authority (ALCOSAN). Please see the attached Pittsburgh Water and Sewer Authority (PWSA) map with the highlighted route the effluent will travel to ALCOSAN.

ALTERNATIVES ANALYSIS

Spray irrigation or on-lot absorption are not viable options for this site because there is insufficient area to accommodate the expected sanitary flows. Furthermore, since a PWSA collector already exists along the exchange way, a tap-in to the 15-inch combination sewer pipe is the preferred disposal method.

STORMWATER CONVEYANCE

The Site currently has a stormwater management plan which has been reviewed and approved by the City of Pittsburgh. It was found to be in accordance with the City of Pittsburgh's Stormwater Ordinances and applicable Pennsylvania Department of Environmental Protection (PADEP) requirements indicated that post-development flows will not exceed pre-development flows. It is anticipated that the proposed stormwater system will wye into the existing combined sanitary line.

PLANNING MODULE CALCULATIONS

Total Water: 2,200 GPD / 6 EDUs

PROPOSED FLOWS

Floor 1 – 4 One-Bedroom Units

$$4 \text{ units} \times 150 \text{ GPD} = 600 \text{ GPD}$$

Floors 2 and 3 – 4 Three-Bedroom Units

$$4 \text{ units} \times 400 \text{ GPD} = 1,600 \text{ GPD}$$

EXISTING FLOWS

None = 0 GPD

NET FLOWS

Net Flow = Proposed Flow – Existing Flow

$$\mathbf{2,200 \text{ GPD}} = 2,200 - 0$$

$$\text{EDUs} = \text{GPD} / 400$$

$$\mathbf{6 \text{ EDUs}} = 5.5 = 2,200/400$$

Total Sewer: 2,200 GPD / 6 EDUs

PROPOSED FLOWS

Floor 1 – 4 One-Bedroom Units

$$4 \text{ units} \times 150 \text{ GPD} = 600 \text{ GPD}$$

Floors 2 and 3 – 4 Three-Bedroom Units

$$4 \text{ units} \times 400 \text{ GPD} = 1,600 \text{ GPD}$$

EXISTING FLOWS

None = 0 GPD

NET FLOWS

Net Flow = Proposed Flow – Existing Flow

2,200 GPD = 2,200 – 0

EDUs = GPD / 400

6 EDUs = 5.5 = 2,200/400

SEWAGE CONVEYANCE INFORMATION

A proposed 8-inch schedule 40 PVC sanitary lateral will be installed to connect the proposed development to the existing PWSA 15-inch combined storm and sewer pipe within Elmore Street. The 8-inch will wye into the proposed 15-inch stormwater lateral which will then become a 15-inch Schedule 40 PVC to connect to the 15-inch Elmore Street combined sewer lateral. The proposed lateral will be installed at a minimum slope of 2.0% and have an approximate length of 63 feet.

The existing combined storm and sewer lateral within Elmore Street is approximately 475 feet long at a slope of 5.97 percent; elevations surveyed by the Mitall Division of KU Resources February 3, 2020. Effluent travels down to the existing 72-inch sewer within 5th Street connecting at JCT011E007 and ultimately on to the ALCOSAN Woods Run Wastewater Treatment Plant.

As determined by PWSA the bottle neck in the downstream conveyance path is located between MH010P001 and MH010N046. Pipe information:

- Upstream Invert – 970.00
- Downstream Invert – 968.90
- Length – 140.99
- Diameter – 20 inch
- Material – Vitrified Clay Pipe
- Slope – 0.78%

KU Resources engaged Drnach Environmental, Inc. to complete a 30-day continuous monitoring effort to determine flow conditions at the bottle neck. A Isco 2150 meter and SubAV sensor were utilized for the sample period of July 10th to August 8th, 2020. The summary findings of the 30-day monitoring are included.

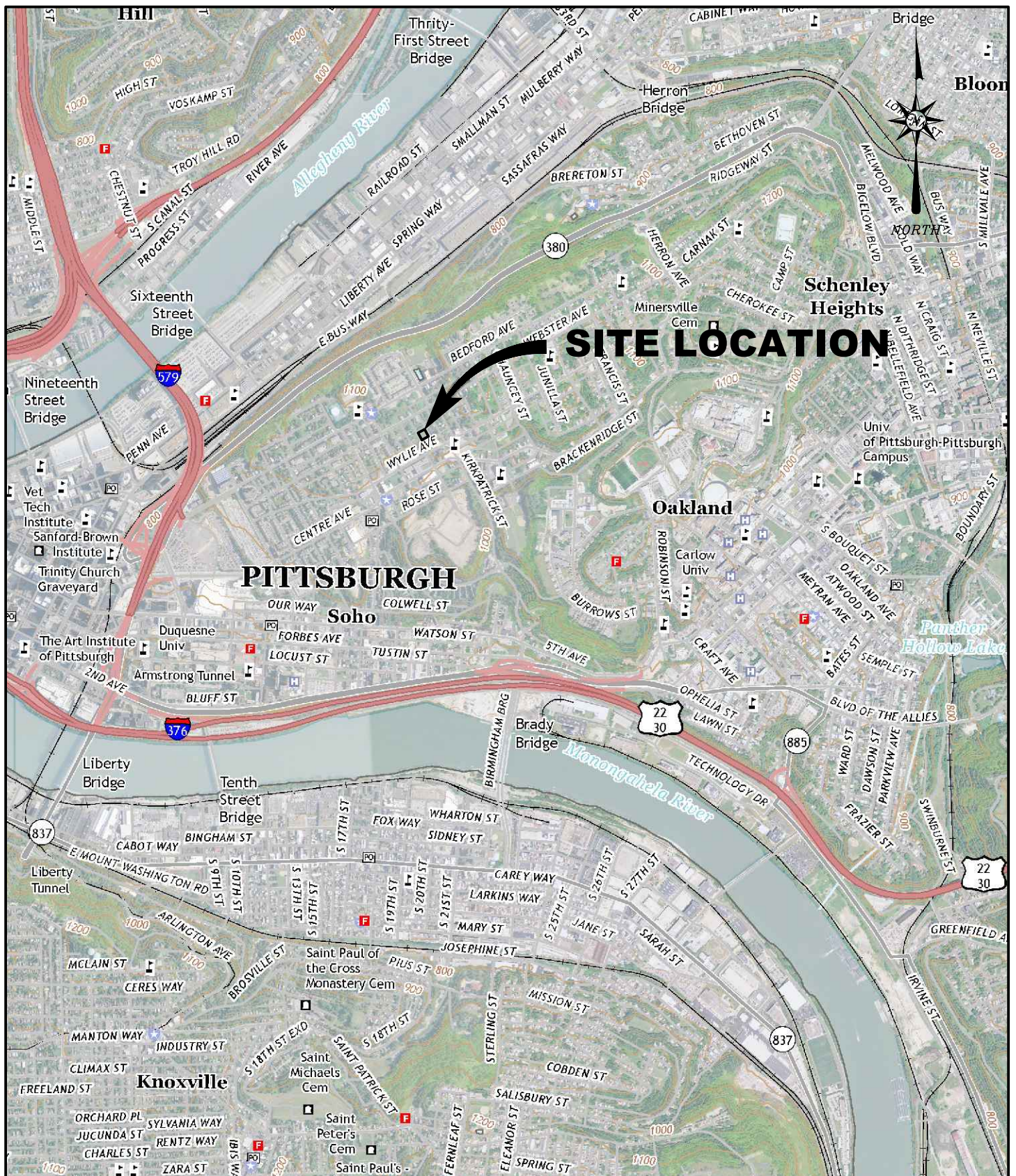


FIGURE 1
 SITE LOCATION MAP
 CATHERINE TERRACE DEVELOPMENT

5th WARD – CITY OF PITTSBURGH
 ALLEGHENY COUNTY, PENNSYLVANIA

PREPARED FOR
 CATHERINE TERRACE, LLC
 PITTSBURGH, PENNSYLVANIA

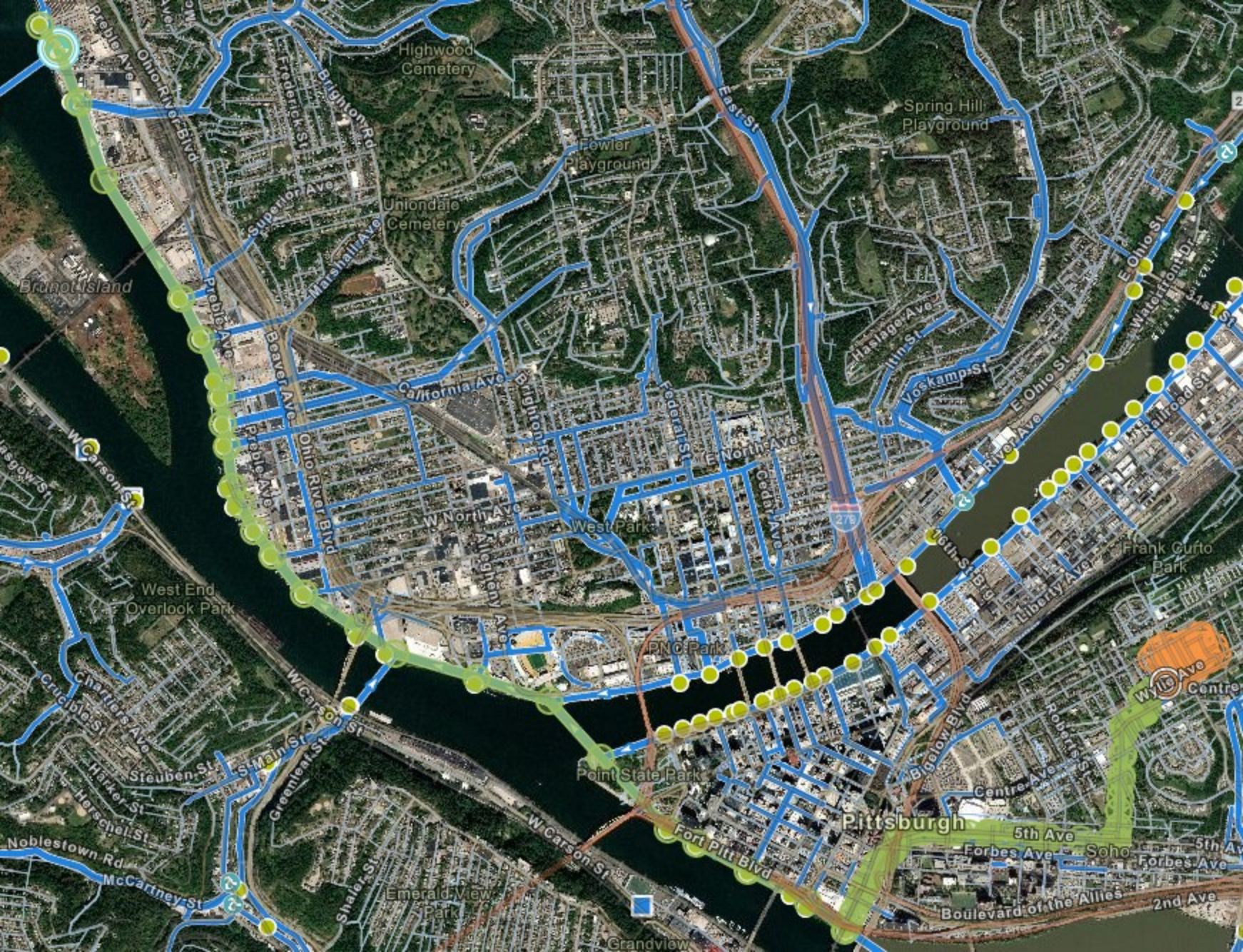
REFERENCE:
 USGS 7.5-MIN TOPOGRAPHIC
 QUADRANGLE PITTSBURGH EAST,
 PENNSYLVANIA, DATED 2016.



APPROVED	JDC 07/15/2019
CHECKED	JDC 07/15/2019
DRAWN	RAM 07/15/2019
CAD FILE NO.	19291A001
PROJECT NO.	CTL19291EPS



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





DEP Code #:

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

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

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

Project Name Catherine Terrace

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

1. Date plan received by municipal planning agency 6-16-20
2. Date review completed by agency 6-17-20

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

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

SECTION C. AGENCY REVIEW (continued)

Yes

No

13. Is this proposal consistent with the ordinance?

If no, describe the inconsistencies _____

14. Is this plan consistent with the municipal Official Sewage Facilities Plan?

If no, describe the inconsistencies _____

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

If yes, describe _____

16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?

If yes, is the proposed waiver consistent with applicable ordinances?

If no, describe the inconsistencies _____

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

Name: Martina Battistone

Title: Sr. Environmental planner

Signature: MBattistone

Date: 6-17-20

Name of Municipal Planning Agency: City of Pittsburgh

Address: 200 Ross St. 4th Floor Pittsburgh, PA

Telephone Number: (412) 255-2516

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

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

The planning agency must complete this component within 60 days.

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



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

Code No.

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

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

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Catherine Terrace

2. Brief Project Description The proposed construction of four (4) attached townhomes comprised of four (4) one-bedroom units and four (4) three-bedroom units; total eight (8) units.

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

Municipality Name	County	City	Boro	Twp
5 th Ward, City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Battistone	Martina	C		Project Manager
Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1	Mailing Address Line 2
200 Ross Street	Suite 4

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

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

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Catherine Terrace

Site Location Line 1

618/620/622/624 Elmore St

Site Location Line 2

621/623/625/627 Perry St

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

Latitude

40.446244

Longitude

-79.978039

Detailed Written Directions to Site From 11th Street, in Pittsburgh, head south and make a right onto Liberty Ave.

Continue straight onto Grant St before making a turn left onto Seventh Ave, continue toward Bigelow Blvd. Turn left on Bigelow Blvd and then a right onto Bedford Ave for 0.3 miles. Turn right onto Webster Ave for 305 ft and then make a left onto Webster Ave continue for 0.6 miles before making a right onto Perry St

Description of Site Block and Lot 10-K-120 is currently a vacant lot of approximately 6,660 sq ft located in the Middle Hill neighborhood. The Site is bound to the north by a vacant lot, 10-K-116, to the west by Elmore St, to the east by Perry St, and to the south by vacant lots, 10-K-123 & 10-K-123-A.

Site Contact (Developer/Owner)

Last Name

Lucas-Darby

First Name

Emma

MI

Suffix

PhD

Phone

Ext.

Site Contact Title

Owner

Site Contact Firm (if none, leave blank)

FAX

Email

elucasdarby@verizon.net

Mailing Address Line 1

566 Soho Street

Mailing Address Line 2

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219

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

Last Name

Catt

First Name

Jacob

MI

Suffix

D

Title

Engineer

Consulting Firm Name

KU Resources, Inc.

Mailing Address Line 1

22 South Linden Street

Mailing Address Line 2

Address Last Line -- City

Duquesne

State

PA

ZIP+4

15110

Country

USA

Email

jcatt@kuresources.com

Area Code + Phone

412-469-9331

Ext.

1032

Area Code + FAX

4124699336

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 & 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 6

Connections 1

Name of:

existing collection or conveyance system Wylie Ave - 20 inch - VCP

owner PWSA

existing interceptor Monongahela River 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 2596854

Clean Streams Law Permit Number _____

Location of discharge point for a new facility. Latitude _____ Longitude _____

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

As an authorized representative of the permittee, I confirm that the _____
(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 Sparbanie, P.E.

Agent Signature [Signature] Date 12-24-20

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

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

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

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

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

Name of Permittee Agency, Authority, Municipality _____

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

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

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

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

1. Project Flows 2200 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.
- c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	5468414	19139449	391000	5272000	1582260	5537910
Conveyance		20,600,000	3,000,000	3,200,000	3,030,000	3,290,000
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. YES NO This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

b. Collection System

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

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

Agent Signature  Date 11/23/2020

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joseph Sparbarie P.E.

Agent Signature [Signature]

Date 12-24-20

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 Sparbarie P.E.

Agent Signature [Signature]

Date 12-24-20

K. TREATMENT AND DISPOSAL OPTIONS (See Section K of instructions)

This section is for land development projects that propose construction of wastewater treatment facilities. Please note that, since these projects require permits issued by DEP, these projects may **NOT** receive final planning approval from a delegated local agency. Delegated local agencies must send these projects to DEP for final planning approval.

Check the appropriate box indicating the selected treatment and disposal option.

- 1. Spray irrigation (other than individual residential spray systems (IRSIS)) or other land application is proposed, and the information requested in Section K.1. of the planning module instructions are attached.
- 2. Recycle and reuse is proposed and the information requested in Section K-2 of the planning module instructions is attached.
- 3. A discharge to a dry stream channel is proposed, and the information requested in Section K.3. of the planning module instructions are attached.
- 4. A discharge to a perennial surface water body is proposed, and the information requested in Section K.4. of the planning module instructions are attached.

L. PERMEABILITY TESTING (See Section L of instructions)

- The information required in Section L of the instructions is attached.

M. PRELIMINARY HYDROGEOLOGIC STUDY (See Section M of instructions)

- The information required in Section M of the instructions is attached.

N. DETAILED HYDROGEOLOGIC STUDY (See Section N of instructions)

The detailed hydrogeologic information required in Section N. of the instructions is attached.

O. SEWAGE MANAGEMENT (See Section O of instructions)

(1-3 for completion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)

Yes No

1. Is connection to, or construction of, a DEP permitted, non-municipal sewage facility or a local agency permitted, community onlot sewage facility proposed.

If Yes, respond to the following questions, attach the supporting analysis, and an evaluation of the options available to assure long-term proper operation and maintenance of the proposed non-municipal facilities. If No, skip the remainder of Section O.

2. Project Flows _____ gpd

Yes No

3. Is the use of nutrient credits or offsets a part of this project?

If yes, attach a letter of intent to purchase the necessary credits and describe the assurance that these credits and offsets will be available for the remaining design life of the non-municipal sewage facility;

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

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

Yes No

a. If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

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

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

b. Collection System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

c. Conveyance System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

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

Yes No

- a. If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

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

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

- b. Name of Facility _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

(For completion by the municipality)

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

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

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

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

Yes No

1. Does the project propose the construction of a sewage treatment facility ?
2. Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3. Will the project result in a public expenditure for the sewage facilities portion of the project in excess of \$100,000?
4. Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5. Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6. Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
7. Does the project involve a major change in established growth projections?
8. Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?

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

- 9. Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
- 10. Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
- 11. Will sewage facilities discharge into high quality or exceptional value waters?
- Attached is a copy of:
 - the public notice,
 - all comments received as a result of the notice,
 - the municipal response to these comments.
- No comments were received. A copy of the public notice is attached.

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

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

Jacob D. Catt

Name (Print)

Jacob D. Catt

Signature

Engineer

Title

04/10/2020

Date

22 South Linden Street, Duquesne, PA 15110

4124699331

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 \$300 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.

$$\#6 \text{ Lots (or EDUs)} \times \$50.00 = \$300$$

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:

$$\# \text{ Lots (or EDUs)} \times \$35.00 = \$$$

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)



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.

**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
 Catherine Terrace

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

1. Date plan received by county or joint county health department _____
 Agency name _____
2. Date review completed by agency _____

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

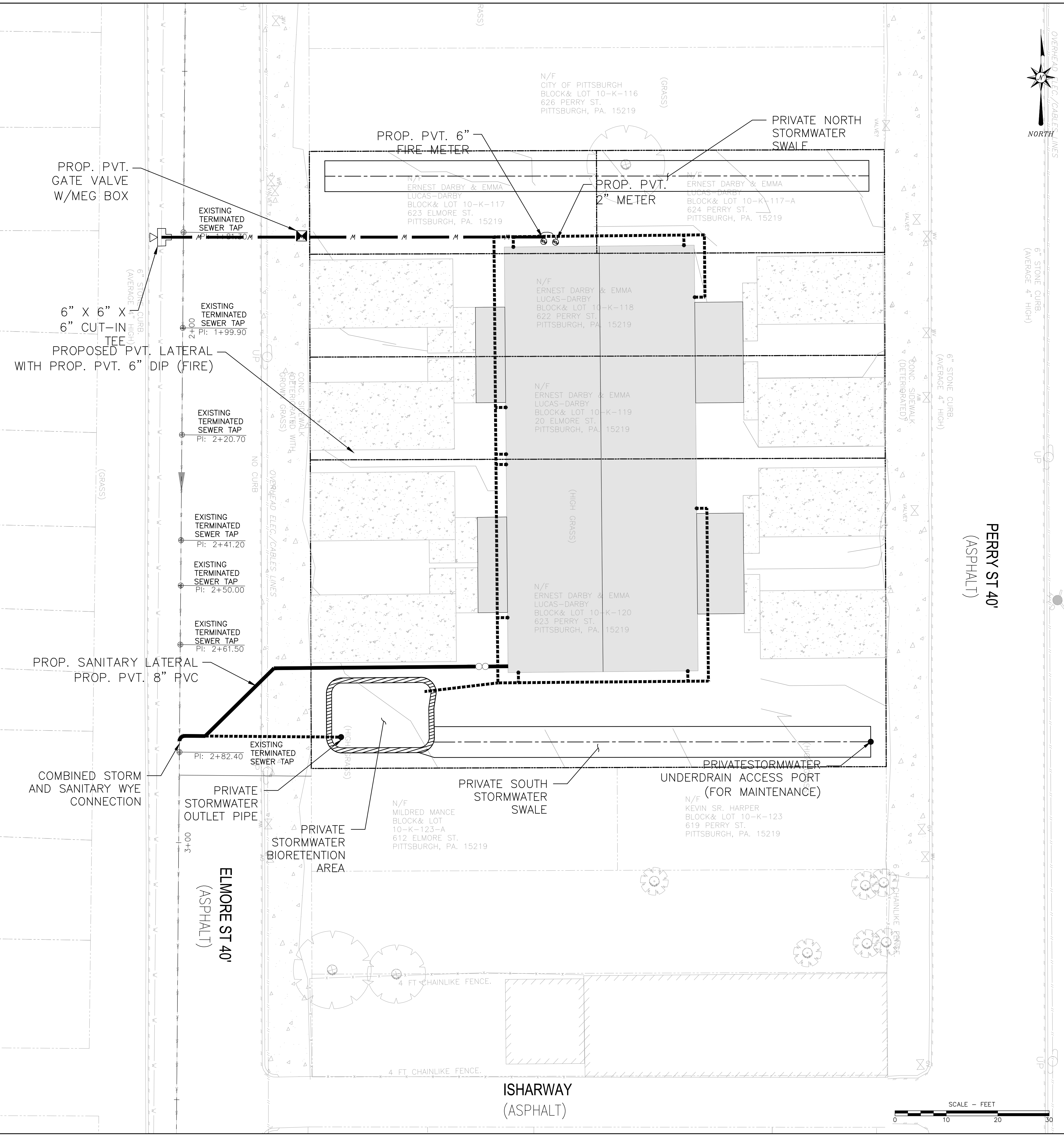
- | | | |
|--------------------------|--------------------------|---|
| Yes | No | |
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?
If no, what are the inconsistencies? _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Is there any known groundwater degradation in the area of this proposal?
If yes, describe _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. The county or joint county health department recommendation concerning this proposed plan is as follows: _____ |
| | | 5. Name, title and signature of person completing this section:
Name: _____
Title: _____
Signature: _____
Date: _____
Name of County Health Department: _____
Address: _____
Telephone Number: _____ |

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.

DRAWN BY: RAU 06/10/2019 CAD FILE NUMBER: 192910001 PROJECT NUMBER: 192910001 SHEET: 1



HYDRANT FLOW TEST DATA
(REQUIRED FOR TAPS LARGER THAN 1-INCH)

Date of Test: 11/22/19 Hydrant Permit No.: 19-185

Test Performed By: Preferred Inspection, John Kentzer

	PRESSURE HYDRANT	FLOW HYDRANT
Hydrant Number	A630	A629
Location	Wylie & Elmore	Perry
Static Pressure (psi)	XXXXXXXXXXXXXXXXXXXX	100
Residual Pressure (psi)	XXXXXXXXXXXXXXXXXXXX	90
Flow Observed (gpm)	1275	XXXXXXXXXXXXXXXXXXXX

Fire Protection Demands:

Sprinkler System Peak Demand	750 gpm	125 psi
Inside Hose Demand	gpm	
Outside Hose Demand	gpm	
Domestic System Peak Demand	82.5 gpm	
Private Fire Hydrant Demands:	N/A	gpm

WATER AND SEWER FLOW DATA

WATER AND SEWER FLOW DATA	
WATER CONSUMPTION	2,200 GPD
SANITARY FLOW	2,200 GPD
STORM FLOW	0.033 CFS
APPLICATION NUMBER (ASSIGNED BY PWSA)	TBD
DEP APPROVAL DATE (ASSIGNED BY PWSA)	TBD

- LEGEND**
- SUBJECT PROPERTY
 - ADJOINING PROPERTY
 - EXISTING ASPHALT ROADWAYS
 - EXISTING STORM SEWER/INLET
 - EXISTING SANITARY SEWER/MANHOLE
 - EXISTING OVERHEAD CABLES/ELEC.
 - EXISTING GAS LINE
 - EXISTING WATER LINE
 - EXISTING CHAINLIKE FENCE
 - EXISTING UTILITY POLE
 - EXISTING WATER VALVE
 - EXISTING GAS VALVE
 - EXISTING FIRE HYDRANT
 - STORMWATER PIPE
 - ROOF DOWNSPOUT
 - BIORETENTION INLET (12-INCH)
 - SWALE CENTERLINE
 - GAS
 - E
 - PROPOSED GASLINE
 - PROPOSED UNDERGROUND ELECTRIC
 - PROPOSED SANITARY LATERAL
 - PROPOSED VENT PIPES
 - W
 - PROPOSED WATER LATERAL
 - PROPOSED GATE VALVE WITH MEG BOX
 - PROPOSED 6" TEE WITH THRUST BLOCK

THE PITTSBURGH WATER AND SEWER AUTHORITY

*** APPROVAL FOR:**

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

*** DISCLAIMER:**
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.

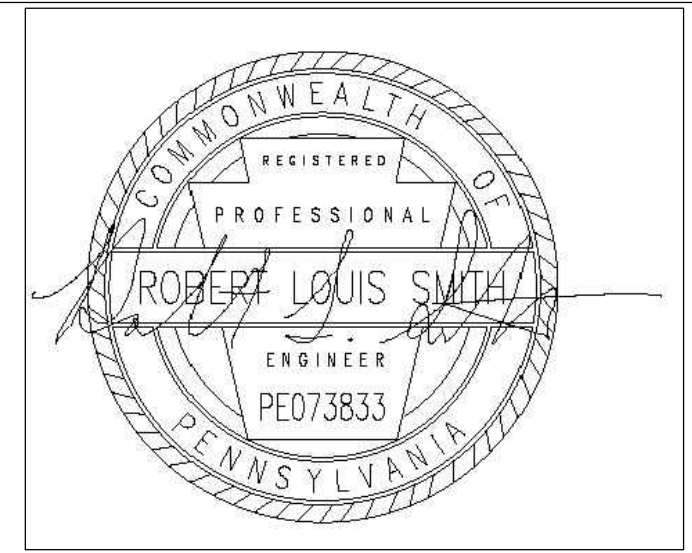
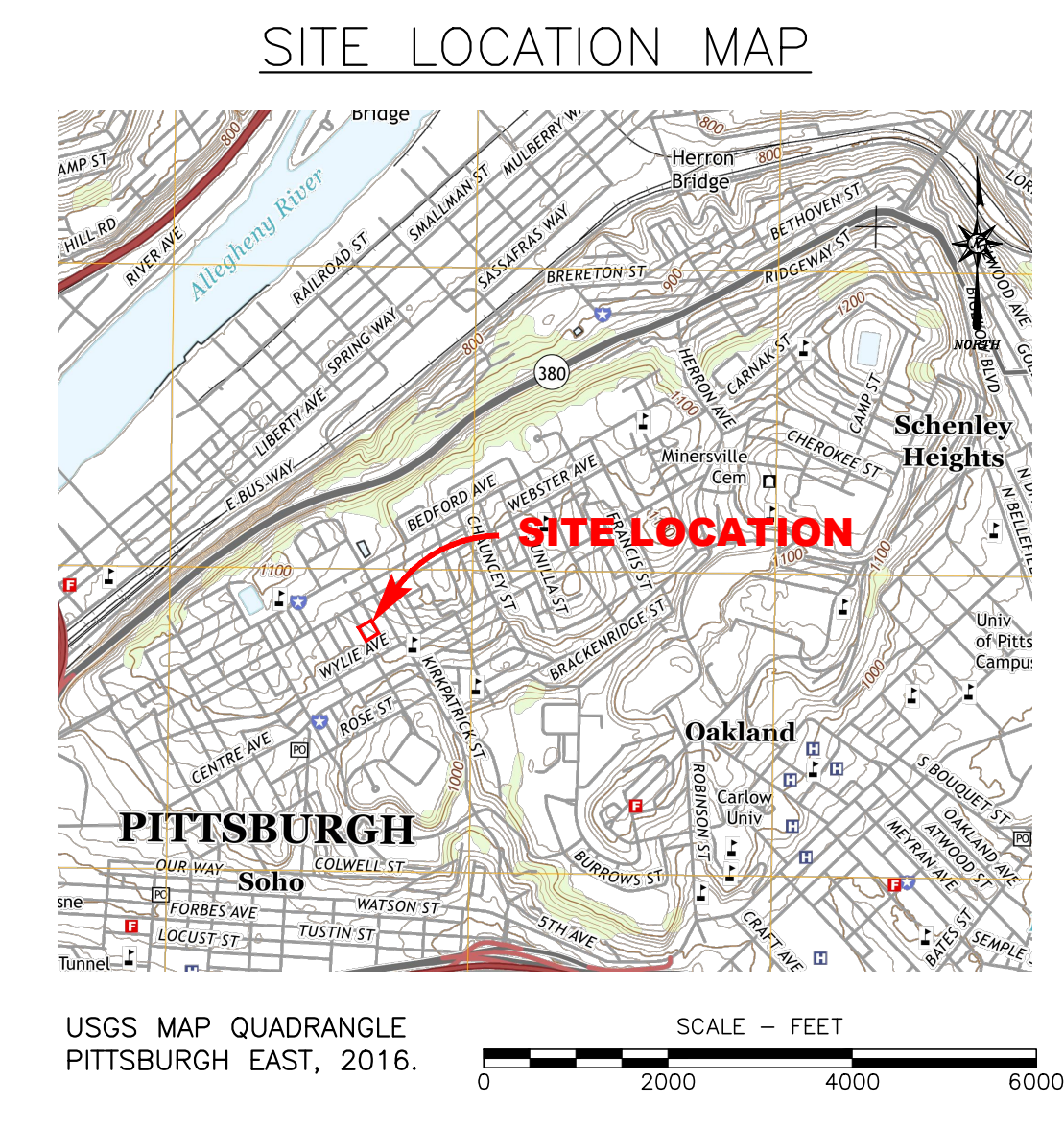
Project Coordinator/Project Management Engineer/Reviewer certifies that he/she has reviewed the above noted document(s) in accordance with the Authority's established rules and regulations. Based on this review, approval is hereby recommended.

Project Coordinator/Project Management Engineer/Reviewer _____ Date _____

Approval _____ Date _____

CHIEF OF OPERATIONS _____

Director of Engineering and Construction _____



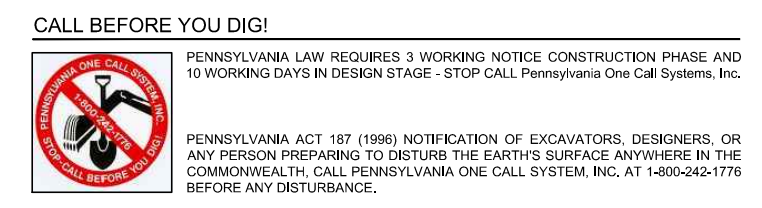
PREPARED BY: **KU Resources, Inc.**
22 South Linden Street
Duquesne, PA 15110
412.469.9331
412.469.9336 fax
www.kuresources.com

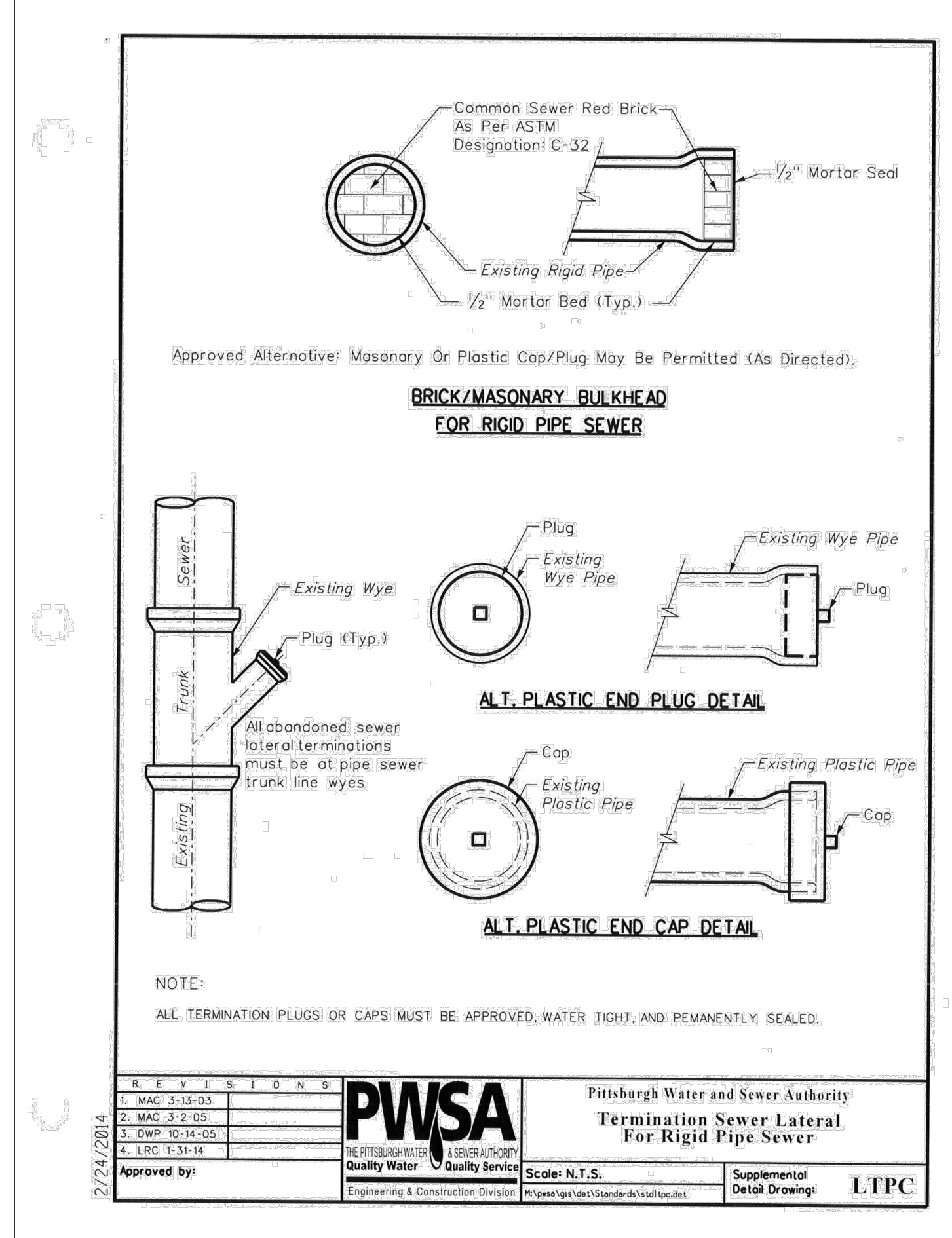
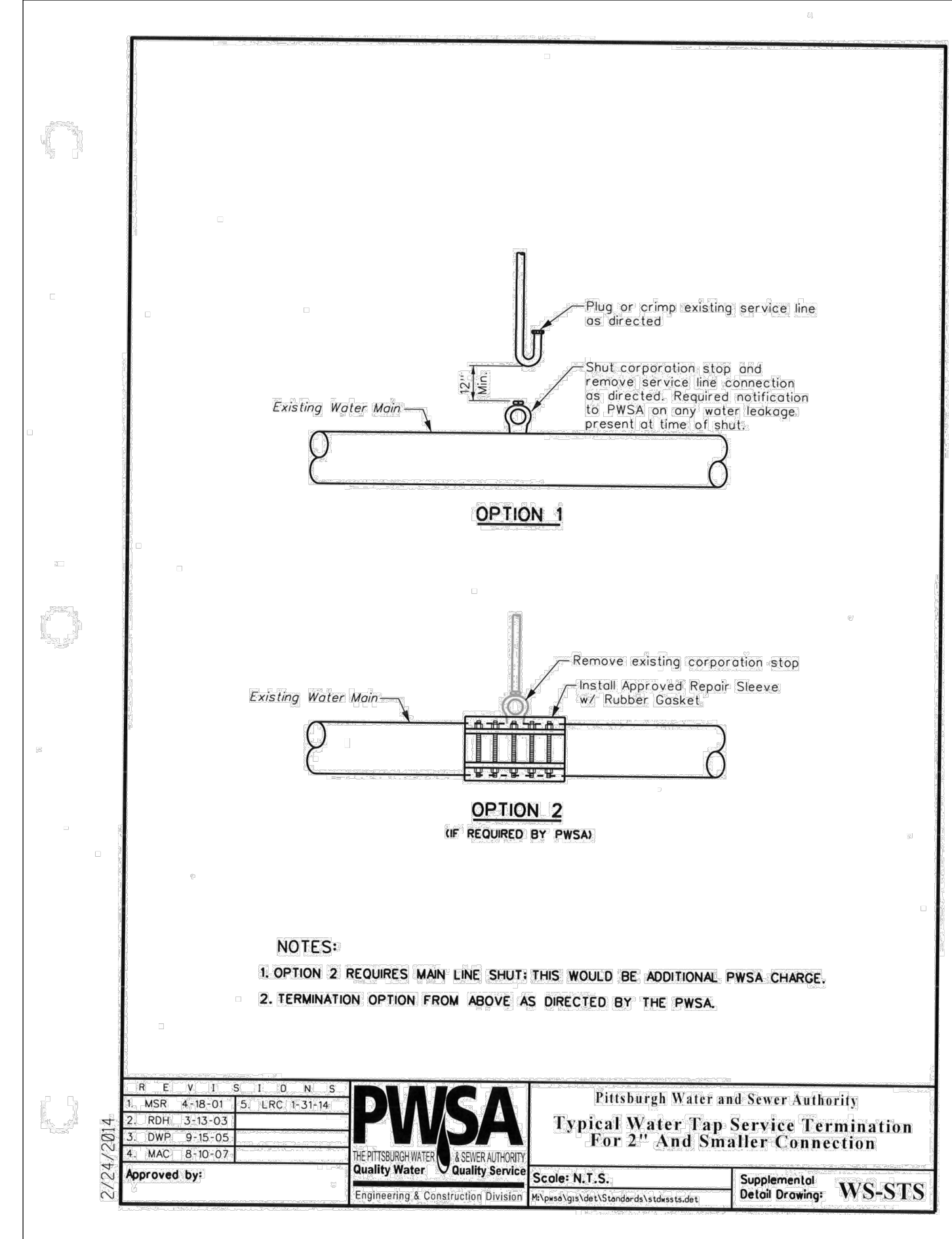
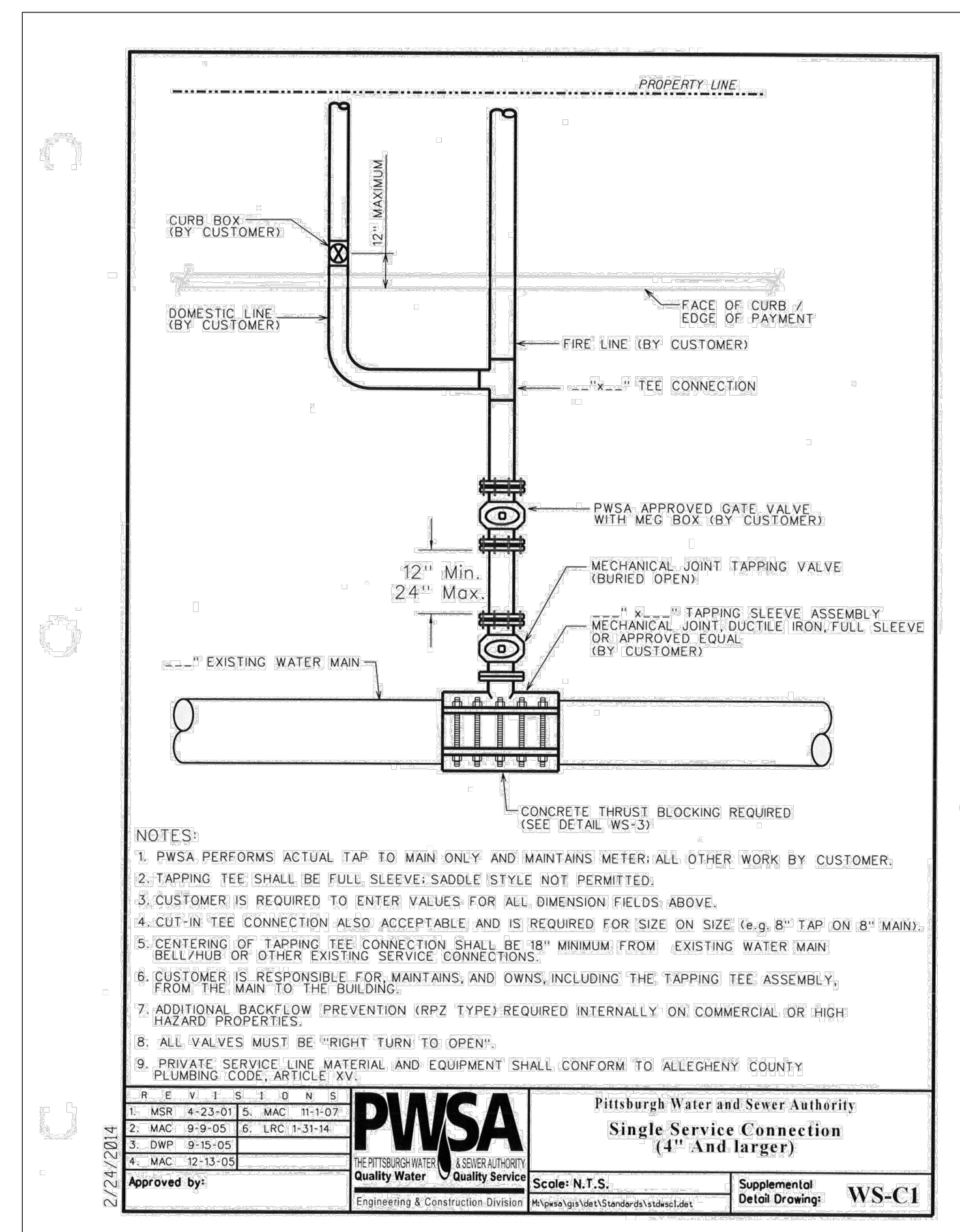
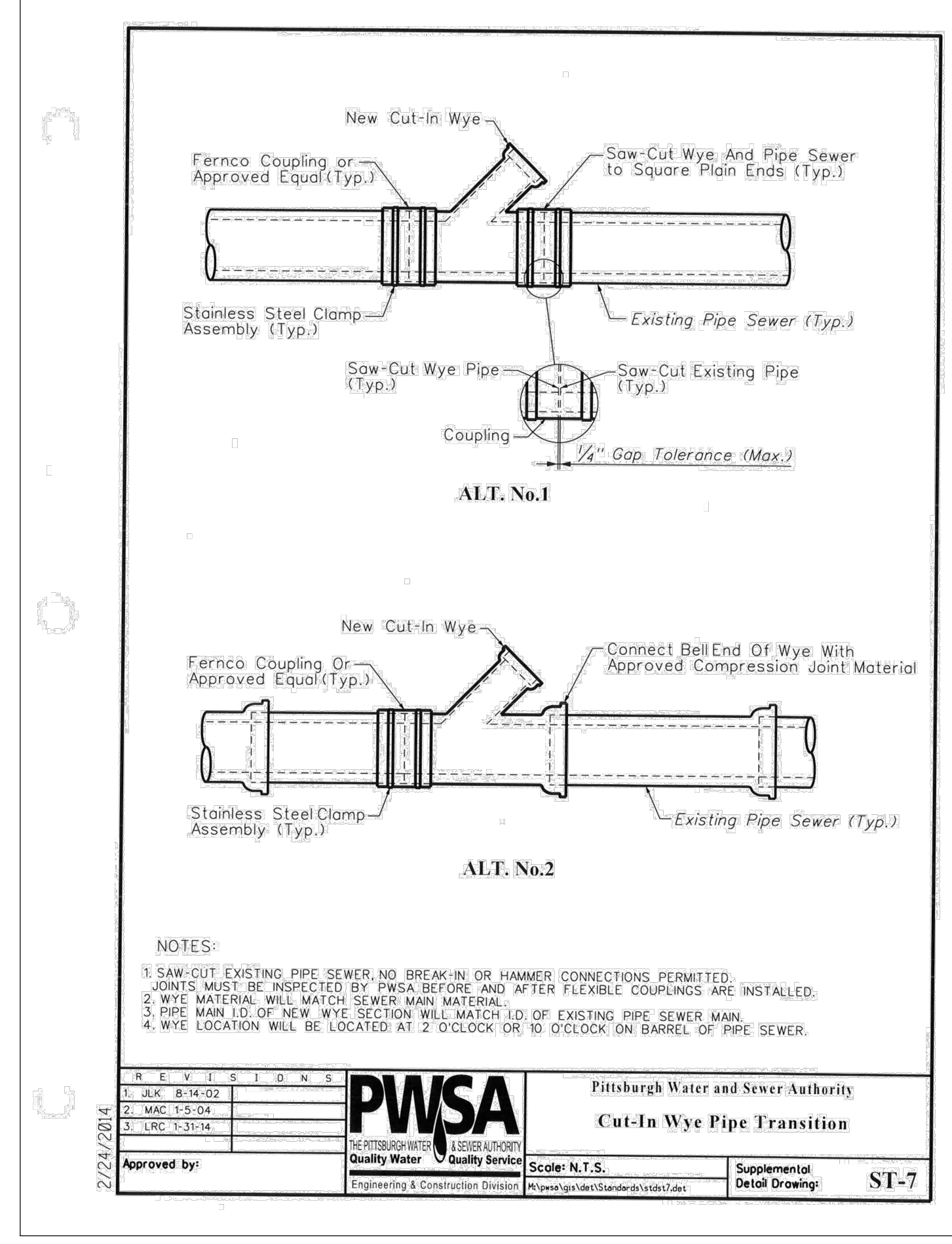
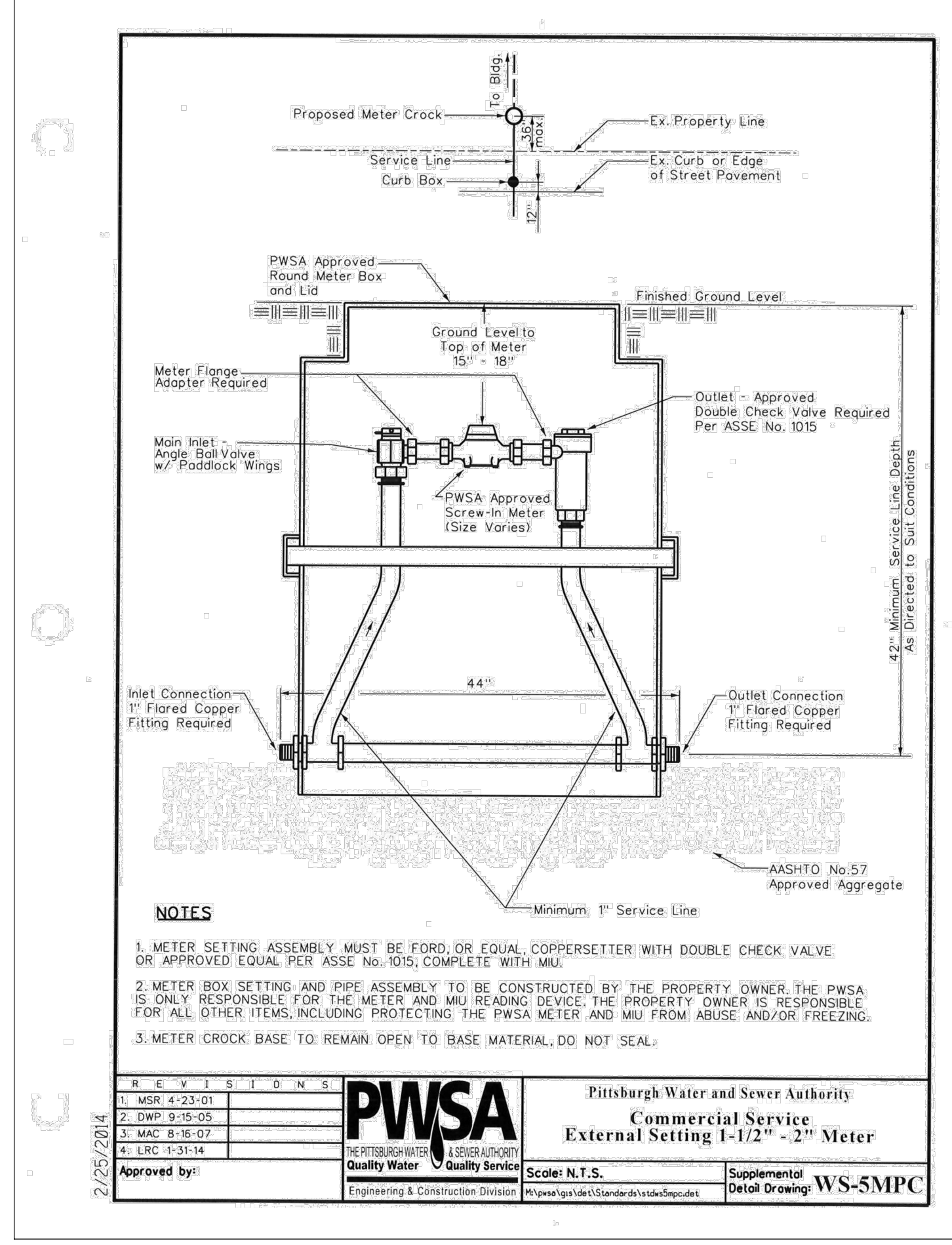
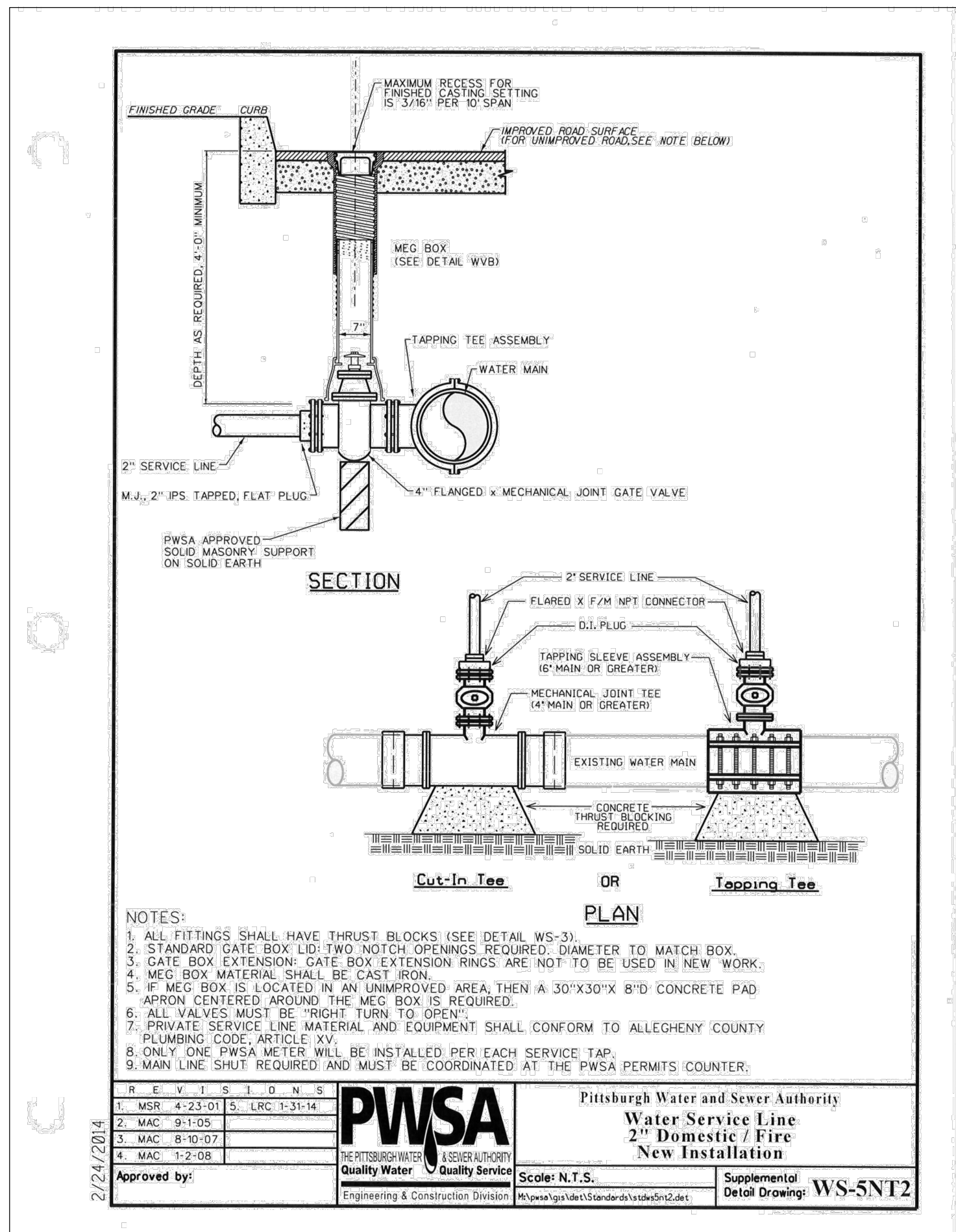
CATHERINE TERRACE, LLC
566 SOHO STREET
PITTSBURGH, PA 15219
WATER & SEWER SERVICE TAP-IN

CATHERINE TERRACE DEVELOPMENT
ELMORE & PERRY STREET
PITTSBURGH, PENNSYLVANIA 15222

PLAN SCALE: 1" = 20'
DATE: APRIL 06, 2020
REVISIONS: 1 OF 3

ACCESSION NO. _____
SHEET 1 OF 3
CASE NO. _____





THE PITTSBURGH WATER AND SEWER AUTHORITY

*** APPROVAL FOR:**

NEW WATER TAP, BACKFLOW PREVENTOR, AND METER INSTALLATION

NEW SANITARY AND/OR STORM SEWER TAP

INCREASE IN FLOW AT EXISTING SEWER AND/OR WATER CONNECTION

SEWER TAP TERMINATION

WATER TAP TERMINATION

*** DISCLAIMER:**
 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.

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

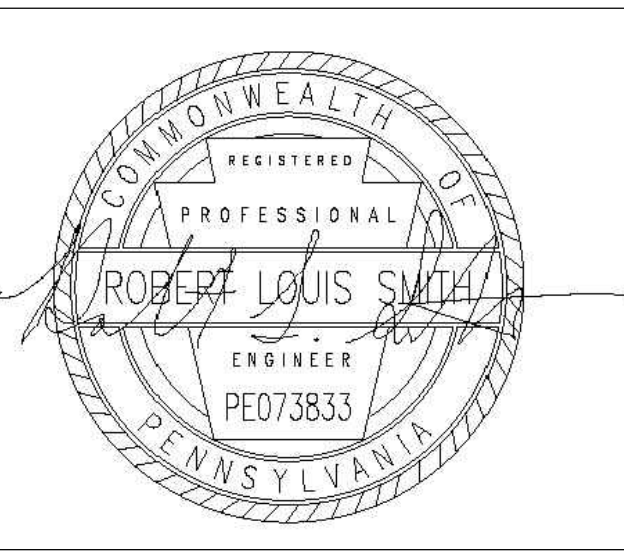
Project Coordinator/Project Management Engineer/Reviewer _____ Date _____

Approval _____ Date _____

Director of Sewer Operations _____

Deputy Director of Engineering _____

Director of Engineering and Construction _____

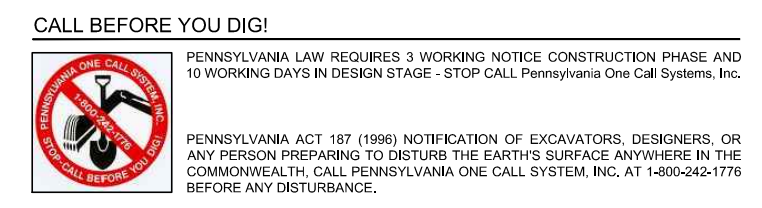


PREPARED BY: **KU Resources, Inc.**
 22 South Linden Street
 Duquesne, PA 15110
 412.469.9331
 412.469.9336 fax
www.kuresources.com

CATHERINE TERRACE, LLC
 566 SOHO STREET
 PITTSBURGH, PA 15219
 WATER & SEWER SERVICE TAP-IN

CATHERINE TERRACE DEVELOPMENT
 ELMORE & PERRY STREET
 PITTSBURGH, PENNSYLVANIA 15222

PLAN SCALE: 1" = 20'
 DATE: APRIL 06, 2020 SHEET ACCESSION NO. _____
 REVISED: 1 OF 3 CASE NO. _____



**DRY WEATHER FLOW CALCULATIONS
CATHERINE TERRACE
5TH WARD, CITY OF PITTSBURGH
ALLEGHENY COUNTY, PENNSYLVANIA**

Prepared for:
**CATHERINE TERRACE, LLC
566 SOHO STREET
PITTSBURGH, PENNSYLVANIA 15219**

Prepared by:
**KU RESOURCES, INC.
22 SOUTH LINDEN STREET
DUQUESNE, PENNSYLVANIA 15110
TMILLER@KURESOURCE.COM
(412)-469-9331**

APRIL 2020



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

Prepared by: JDC Date: 04/3/20
Checked by: BS Date: 04/30/20
Approved by: BS Date: 04/30/20
Rev. Prep by: _____ Date: _____
Rev. Chk by: _____ Date: _____
Revision No.: 0

**Calculation Brief
Sanitary Sewer Capacity
Catherine Terrace Development
Pittsburgh, Allegheny County, Pennsylvania**

Purpose:

This calculation brief presents the calculation of the capacity of the existing combined sewer system under Elmore Street in the immediate vicinity of the Catherine Terrace project. These calculations are presented in support of information presented under Section J of the Pennsylvania Department of Environmental Protection (DEP) Sewage Facilities Planning Module.

Approach:

As required by the PWSA Procedure Manual For Developers, the capacity and performance of the sewer system was determined for the diameter, slope, flow depth and material of construction of the conduit. The other values were generated from the coefficients stipulated in the manual.

References:

1. PWSA Procedure Manual For Developers
2. PWSA As-Built sewer line drawings
3. Hydraflow Storm Sewers extension for AutoCAD

Flow Evaluation:

Permitted Capacity

The permitted capacity according to the Manual is the full pipe flow capacity of the line in question. The subject conduit is a 15" diameter conduit constructed of assumed vitrified clay, with an approximate slope of 5.97%.

From the calculation, **Peak Design Flow Rate** = 15.18 CFS
Converted to gallons per day 9,811,092 GPD

Using the above value, the **Average Design Flow Rate** is Peak/3.5 = 2,803,169 GPD

Present Flows

The sanitary sewer present flows were calculated based on the estimated inflows of sanitary connections and the known characteristics of the collector pipe.

From the calculation, **Average Present Flow Rate** = 0.21 CFS

Converted to gallons per day 136,556 GPD

Using the above value, **the Peak Present Flow Rate**
is Average*3.5 = 39,016 GPD

Projected Flow Rate

The Peak Projected Flow Rate is determined by increasing the sum of the present rates and projected development additional flows by 5%, according to the manual:

Projected Development Flow = 2,200 GPD

Peak Projected Flow Rate = 145,694 GPD

Using the above value, the **Average Projected Flow Rate**
is Peak/3.5 = 41,627 GPD

Summary:

Calculations indicate that the proposed development will not exceed the capacity of the collection system.

CATHERINE TERRACE, LLC

DRY WEATHER FLOW CALCULATIONS

CREATED BY: JDC 11/5/2020
 APPROVED BY: BS 11/5/2020
 REVISED:

CALCULATIONS FOR COMPONENT 3 TABLE

	DESIGN CAPACITY		PRESENT FLOWS		PROJECTED FLOWS	
	AVG	PK	AVG	PK	AVG	PK
COLLECTION	5,468,414	19,139,449	391,000	5,272,000	1,582,260	5,537,910

ALL IN GPD

1 CFS = 646,317 GPD
 $Q_{\text{projected}}$ 2,200 GPD
 0.003 CFS

DESIGN CAPACITY

$$Q_{\text{avg}} = Q_{\text{pk}} / 3.5$$

Q_{pk} is based on pipe characteristics provided by PWSA.

PRESENT FLOWS

$Q_{\text{avg}} = Q$ = Provided by Drnach Environmental 30 day continuous monitoring, results attached.

Q_{pk} = Provided by Drnach Environmental 30 day continuous monitoring, results attached.

PROJECTED FLOWS

$$Q_{\text{avg}} = Q_{\text{pk}} / 3.5$$

$$Q_{\text{pk}} = (Q_{\text{pk,present}} + Q_{\text{projected}}) * 1.05 = [(5,272,000 \text{ GPD}) + (2,200 \text{ GPD})] * 1.05 = 5,537,910 \text{ GPD}$$



CATHERINE TERRACE, LLC

DRY WEATHER FLOW CALCULATIONS



CREATED BY: JCD 11/5/2020
 APPROVED BY: BS 11/5/2020
 REVISED:

EQUATIONS

$$S = (INV_{UP} - INV_{DN}) / L$$

$$R_H = A_w / P_w$$

$$\theta = 2 \arccos((r-h) / h)$$

$$A_w = R^2 (\theta - \sin(\theta)) / 2$$

$$P_w = R \theta$$

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

Description	Parameter	Value	Units
Pipe Diameter	D	1.667	FT
Pipe Radius	R	0.833	FT
Flow depth	H	1.667	FT
Manning's n	n	0.015	
Pipe Slope	S	0.06	FT/FT
Calculated angle	θ	6.283	RAD
		360.000	DEG
Area of flow	A_w	2.182	SF
Wetted perimeter of flow	P_w	5.236	FT
Hydraulic radius	R_H	0.417	FT
Design Capacity - Peak	Q_d	29.61	CFS
		19,139,449	GPD
Peaking factor	PF	3.5	
Peak dry weather flow	$Q_{d, avg}$	8.46	CFS
		5,468,414	GPD

PROPOSED CONDITIONS

FLOOR	USE	1 BEDROOM RESIDENTIAL	3 BEDROOM RESIDENTIAL	TOTAL SANITARY FLOW [GPD] PER FLOOR
Ground	Apartment (1BR)	4	0	600
First and Second	Apartment (3BR)	0	4	1,600
TOTAL # UNIT ITEM		4	4	
GPD / UNIT ITEM		150	400	
TOTAL GPD / UNIT ITEM		600	1,600	
TOTAL PROPOSED SANITARY FLOW [GPD]			2,200	

EXISTING CONDITIONS

FLOOR	USE	TOTAL SANITARY FLOW [GPD] PER FLOOR
NONE	-	0
TOTAL # UNIT ITEM		
GPD / UNIT ITEM		
TOTAL GPD / UNIT ITEM		
TOTAL EXISTING SANITARY FLOW [GPD]		0

NET TOTAL

		TOTAL	RESIDENTIAL
PROPOSED	GPD	2,200	2,200
EXISTING	GPD	0	0
NET INCREASE	GPD	2,200	2,200
(PADEP)	EDUs	5.5	5.5

Sources:

http://apps.pittsburghpa.gov/pwsa/Procedures_Manual_Developers_February_2012_Version.pdf

Parcel ID : 0010-K-00120-0000-00

Municipality : 105 5th Ward - PITTSBURGH

Property Address : PERRY ST
PITTSBURGH, PA 15219

Owner Name : DARBY ERNEST
LUCAS-DARBY EMMA

School District :	Pittsburgh	Neighborhood Code :	51C18B
Tax Code :	Taxable	Owner Code :	Regular
Class :	Commercial	Recording Date :	7/28/2014
Use Code :	VACANT COMMERCIAL LAND	Sale Date :	7/28/2014
Homestead :	No	Sale Price :	\$8,900
Farmstead :	No	Deed Book :	15680
Clean And Green	No	Deed Page :	362
Other Abatement :	No	Lot Area :	6,660 SQFT
		SaleCode :	Multi-Parcel Sale

2020 Full Base Year Market Value

2020 County Assessed Value

Land Value	\$8,900	Land Value	\$8,900
Building Value	\$0	Building Value	\$0
Total Value	\$8,900	Total Value	\$8,900

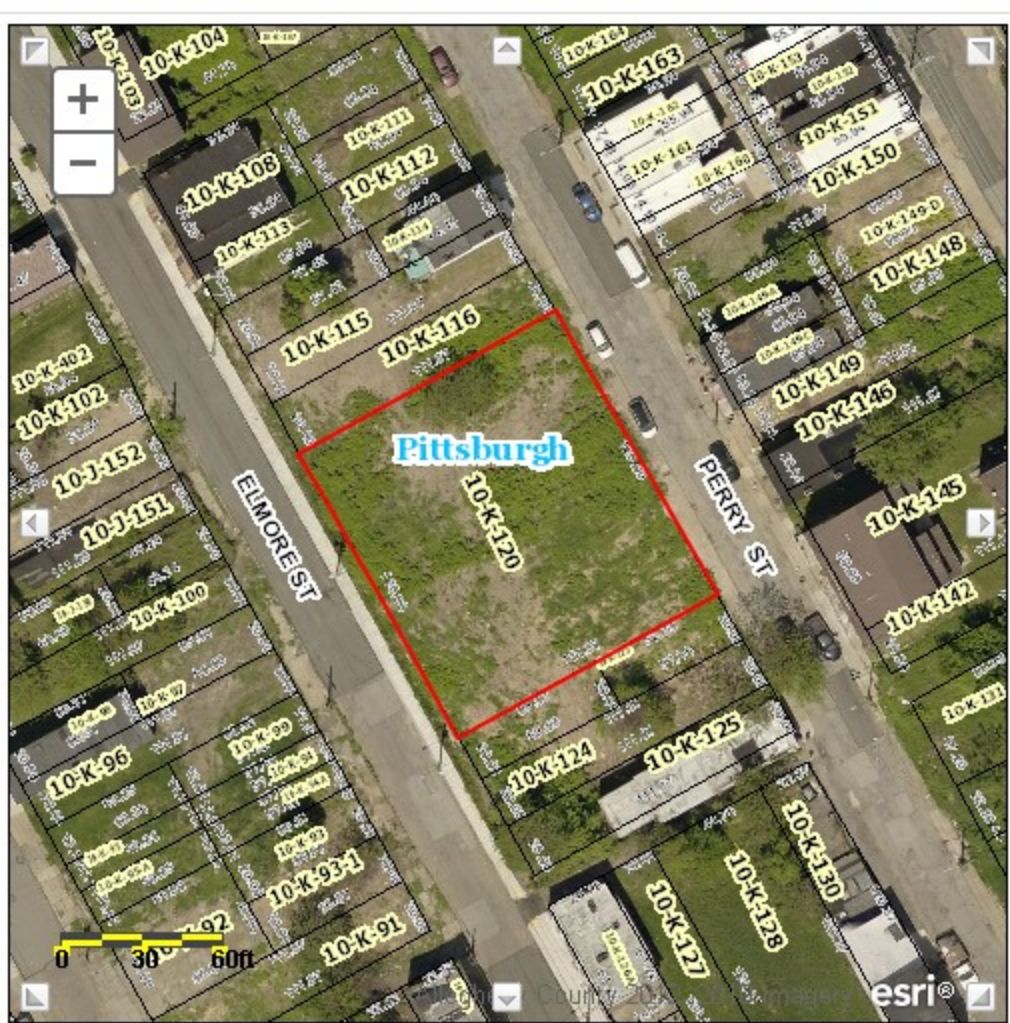
2019 Full Base Year Market Value

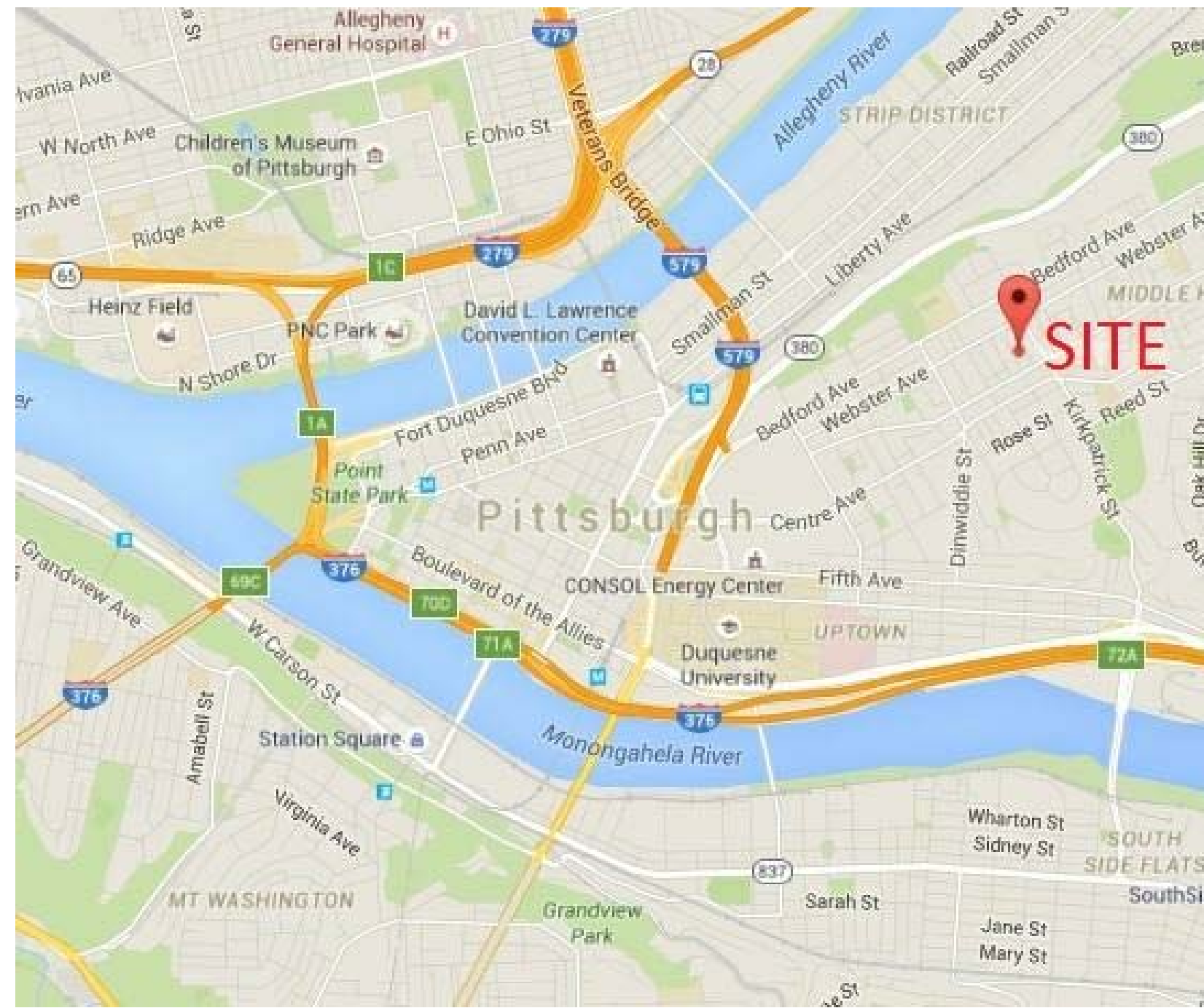
2019 County Assessed Value

Land Value	\$8,900	Land Value	\$8,900
Building Value	\$0	Building Value	\$0
Total Value	\$8,900	Total Value	\$8,900

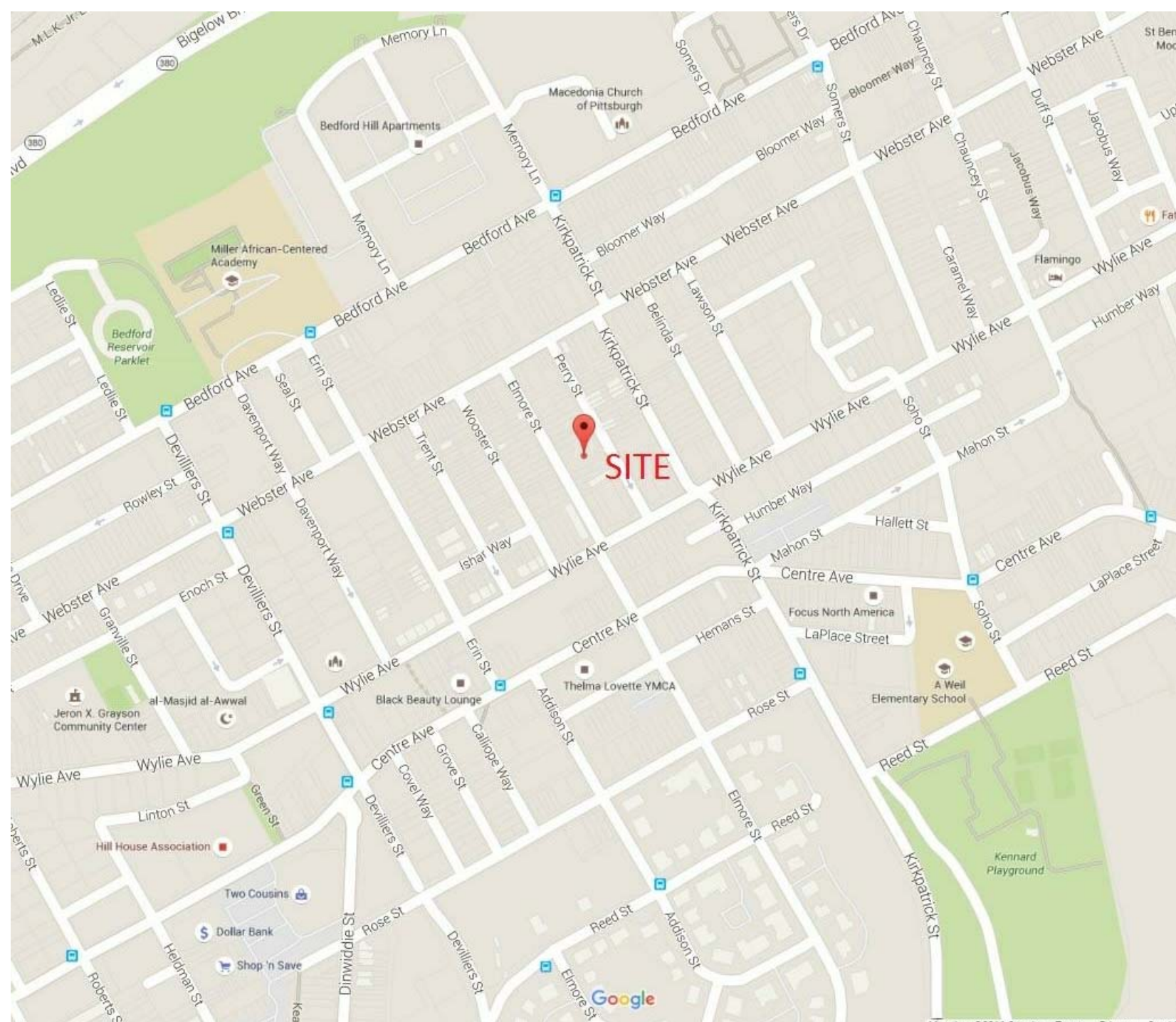
Address Information

Owner Mailing : 566 SOHO ST
PITTSBURGH , PA 15219-4804





LOCATION MAP



AREA MAP



SITE PLAN OVER AERIAL PHOTO



ARCHITECTURAL RENDERING

SYMBOLS AND LEGEND

- △ WINDOW TYPES
- ⊕ DOOR TYPES
- ▲ STOREFRONT TYPES
- ◇ WALL TYPES
- ELEVATION OR DETAIL (SEE T.D.)
- BUILDING SECTION OR WALL SECTION (SEE T.D.)
- DETAIL OR ENLARGED PLAN REFERENCE (SEE T.D.)
- ▭ EXISTING WALL
- ▭ NEW GWS PARTITION
- ▭ NEW CONCRETE
- ▭ NEW BRICK
- ▭ NEW CONCRETE MASONRY
- DENOTES CONSTRUCTION ABOVE, BELOW OR BOUND
- ⬆ FLOOR ELEVATION WORK HEIGHT

DRAWINGS LIST

- CS.1 - COVER SHEET
- SUR - LOT CONSOLIDATION PLAN
- SP.1 - SITE PLAN & DETAILS
- SP.2 - LANDSCAPING PLAN & DETAILS
- A.1 - FLOOR PLANS - OCCUPANCY
- A.2 - GROUND FLOOR PLAN & DETAILS
- A.3 - FIRST FLOOR PLAN & DETAILS
- A.4 - SECOND FLOOR PLAN & DETAILS
- A.5 - BUILDING ELEVATIONS, ELMER & PERRY STREETS
- A.6 - BUILDING ELEVATIONS, SIDE
- A.7 - BUILDING SECTIONS
- A.8 - WALL SECTIONS, PARTITION TYPES & DETAILS
- A.9 - DOOR & WINDOW TYPES & DETAILS
- A.10 - ARCHITECTURAL RENDERINGS
- E.1 - ELECTRICAL PLANS & DETAILS
- M.1 - MECHANICAL PLANS & DETAILS
- P.1 - PLUMBING PLANS & DETAILS

BUILDING CODE AND ZONING DATA:

ADDRESS: PERRY STREET/ELMORE STREET

LOT & BLOCK NUMBER: 10-K-117, 10-K-117A, 10-K-118, 10-K-119, 1-K-120

ZONING DISTRICT: RESIDENTIAL - MULTI-UNIT, MODERATE DENSITY (RM-M)

BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC 2009)

OCCUPANCY CLASSIFICATION: RESIDENTIAL (R2) - APARTMENT

CONSTRUCTION CLASSIFICATION: TYPE V-B

DESIGN LOADS:

FLOOR:
 - DEAD LOAD 10 PSF
 - LIVE LOAD 40 PSF

ROOF:
 - DEAD LOAD 15 PSF

SNOW:
 - ROOF LOAD 30 PSF
 - GROUND 30 PSF

WIND:
 - WIND SPEED 115 MPH

HEIGHT: ELMORE STREET +/- 35' - 0"
 PERRY STREET +/- 26' - 0"

AREA:

UNIT A - 1-BR, 650 SF
 UNIT B - 1-BR, 650 SF
 UNIT C - 1-BR, 650 SF
 UNIT D - 1-BR, 650 SF
 UNIT E - 3-BR, 1,405 SF
 UNIT F - 3-BR, 1,405 SF
 UNIT G - 3-BR, 1,405 SF
 UNIT H - 3-BR, 1,405 SF

TOTAL - 7,970 GSF

FIRE PROTECTION: SMOKE ALARMS

ABBREVIATIONS (AS APPLICABLE)

- ACT ACCELSERATED CEMENT TIE
- AL ALUMINUM
- ANDC ANCHORED DOWEL
- CONC CONCRETE MASONRY UNITS
- CONC CONCRETE
- C.T. G. TILE CERAMIC TILE
- EL. EXISTING
- GWB Gypsum Wall Board
- H.W. HOLLOW CORE WOOD
- H.M. HOLLOW METAL
- H.M.I. HOLLOW METAL INSULATED
- H.M.D. HOLLOW METAL INSIDE DOWN
- H.M.W. HOLLOW METAL INSIDE
- M.T. METAL
- M.R. MOISTURE RESISTANT GYPSUM WALL BOARD
- N.C. NOT INCLUDED IN CONTRACT
- PAINT PAINTED
- P.T. G. TILE CERAMIC TILE
- S.C. SOLID CORE WOOD
- W.C. WOOD COMPOSITION TILE
- W. WOOD

GENERAL NOTES

1. CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN THE FIELD. REPORT DISCREPANCIES TO THE ARCHITECT FOR DECISION PRIOR TO PROCEEDING WITH THE WORK. DO NOT SCALE THE DRAWINGS.
2. DIMENSIONS OF WALLS ARE FROM FINISHED WALL UNLESS OTHERWISE NOTED.
3. CONTRACTORS ARE RESPONSIBLE TO PROVIDE, AS REQUIRED TO DO THE WORK, NECESSARY ENCLOSURES TO PROTECT THE WORK, SURVEYS AND SURVEYORS PER CITY OF PITTSBURGH REQUIREMENTS, SECURITY AND SPECIAL CONTROLS. REPORT ALL TIME CONTROL, SCHEDULING, AND SCHEDULING AND SCHEDULING, SCHEDULING, SCHEDULING OR CHANGES FOR LOADING, UNLOADING AND CONSTRUCTION.
4. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED TO PERFORM THE WORK.
5. CONTRACTORS SHALL REVIEW THE PROJECT REQUIREMENTS WITH THE APPLICABLE UTILITY COMPANIES REGARDING THE PROJECT AND ALL WORK PERFORMED SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY.
6. ALL MATERIALS SHALL BE NEW AND CONFORM WITH THE STANDARDS OF THE UNDERWRITERS LABORATORIES, INC. IN EVERY CASE FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION.
7. THE WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BOARD OF THE UNDERWRITERS PUBLIC SERVICE COMPANY.
8. ALL WORK IS NEW UNLESS INDICATED OTHERWISE BY NOTE OR REFERENCE TO THE LEGEND OR MATERIALS.

PROJECT:

CATHERINE TERRACE

ELMORE AND PERRY STREETS
 PITTSBURGH PA 15219

DRAWING:

BUILDING CODE AND ZONING DATA

CLIENT:

CATHERINE TERRACE, LLC

566 SOHO STREET
 PITTSBURGH, PA 15219

REVISIONS:

NO.	DESCRIPTION	DATE

Milton Ogot

ARCHITECT

320 Anthon Drive, Pittsburgh, PA 15235
 Tel: (412) 519-2897 Fax: (412) 798-9428
 e-mail: miltonogot@ogotarchitect.com

DRAWN:	SCALE:
OTIS	
CHECKED:	DATE:
MO	6/14/2019
DRAWING NO:	
CS.1	
PROJECT NO: MOA1410	

1. PROJECT INFORMATION

Project Name: **Catherine Terrace**

Date of Review: **5/1/2020 02:37:22 PM**

Project Category: **Development, Residential, subdivision which will contain 1-2 lots with 1-2 single family living units**

Project Area: **0.37 acres**

County(s): **Allegheny**

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

ZIP Code: **15219**

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

Watersheds HUC 8: **Lower Monongahela**

Watersheds HUC 12: **Streets Run-Monongahela River**

Decimal Degrees: **40.446302, -79.978081**

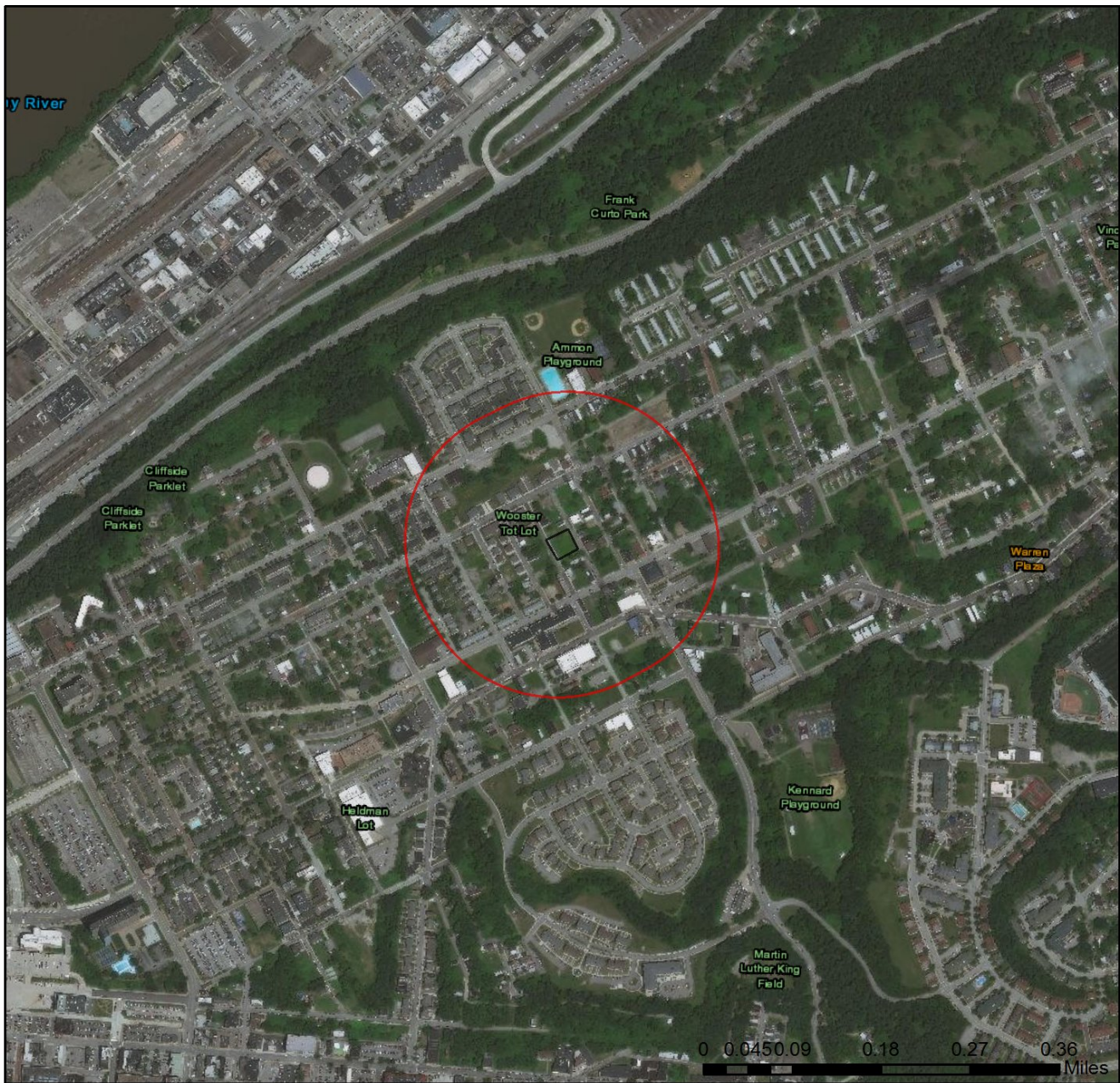
Degrees Minutes Seconds: **40° 26' 46.6863" N, 79° 58' 41.900" W**

2. SEARCH RESULTS

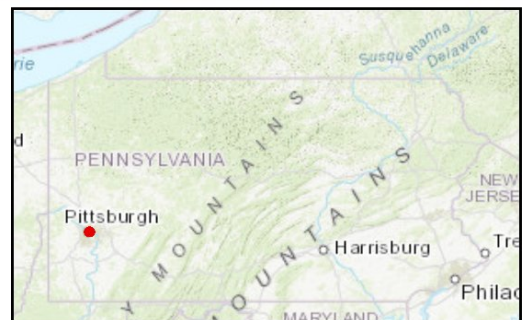
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No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

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

Catherine Terrace

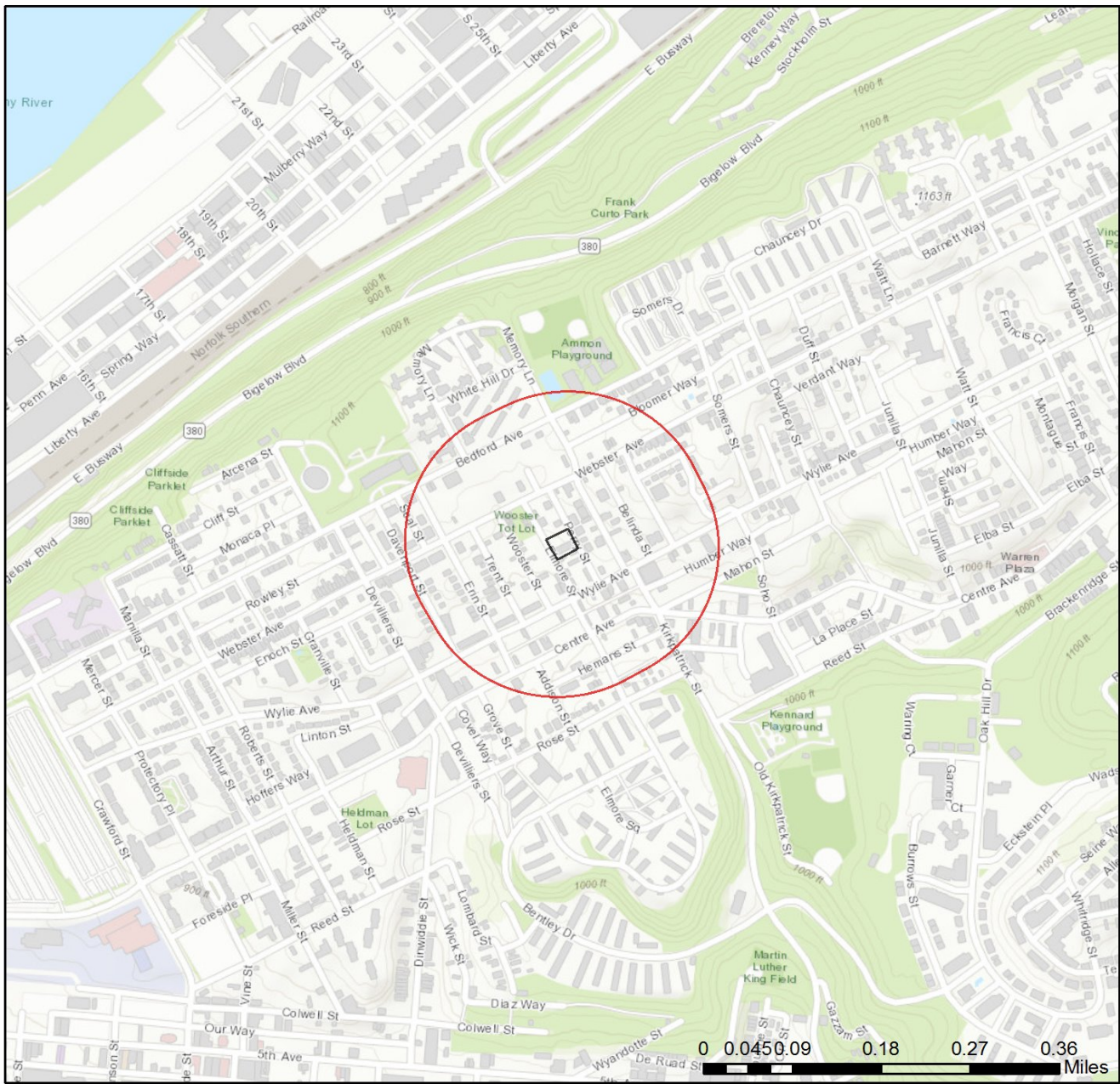


- Project Boundary
- Buffered Project Boundary



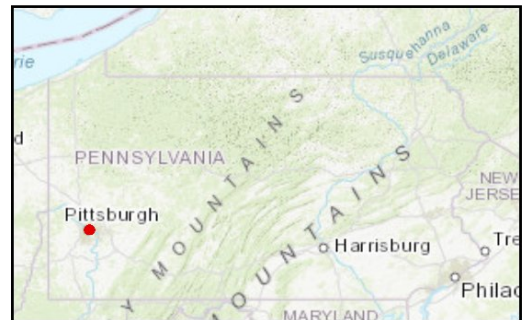
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, Garmin, (c)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

Catherine Terrace



- 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,



3. AGENCY COMMENTS

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

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

PA Game Commission

RESPONSE:

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

PA Department of Conservation and Natural Resources

RESPONSE:

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

PA Fish and Boat Commission

RESPONSE:

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

U.S. Fish and Wildlife Service

RESPONSE:

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

4. DEP INFORMATION

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

5. ADDITIONAL INFORMATION

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

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). 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

PA Fish and Boat Commission

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

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

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

7. PROJECT CONTACT INFORMATION

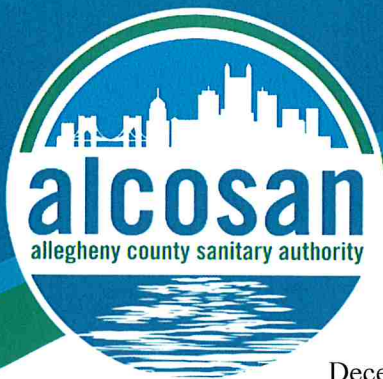
Name: _____
Company/Business Name: _____
Address: _____
City, State, Zip: _____
Phone: (_____) _____ Fax: (_____) _____
Email: _____

8. CERTIFICATION

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

applicant/project proponent signature

date



December 24, 2020

Jacob Catt
KU Resources Inc.
22 South Linden Street
Duquesne, PA 15110

Members of the Board

Corey O'Connor
Chair Person
Rep. Harry Readshaw
Sylvia C. Wilson
Shannah Tharp-Gilliam, Ph.D.
Jack Shea
John Weinstein

Arletta Scott Williams
Executive Director

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

Jan M. Oliver
*Director
Regional Conveyance*

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

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

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

Jeanne K. Clark
*Director
Governmental Affairs*

Joseph Vallarian
*Director
Communications*

**Re: Catherine Terrace
Elmore and Perry Streets, Pittsburgh, PA 15219
PA DEP Sewage Facilities Planning Module
ALCOSAN Regulator Structure M-05-00**

Dear Mr. Catt:


We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh, 5th Ward. The project will generate a peak flow of 2,200 GPD in the ALCOSAN Monongahela River Interceptor and Woods Run Treatment Plant.

The capacity of the ALCOSAN M-05-00 Diversion Structure is approximately 20.6 MGD. The monitored peak dry weather flow is approximately 3.26 MGD. Sufficient dry weather capacity exists for this connection. However, the ALCOSAN Monongahela River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated by the tributary communities 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 A. Sparbanie, P.E.
Civil Engineer

Attachment

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