



**TRANSMITTAL LETTER  
 FOR SEWAGE FACILITIES PLANNING MODULE**

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

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

Date \_\_\_\_\_

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Morris Knowles & Associates, Inc.  
 \_\_\_\_\_ (Name)  
 \_\_\_\_\_ for Doughboy Affordable Living  
 \_\_\_\_\_ (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
- 3 Sewage Collection/Treatment Facilities
- 4A Municipal Planning Agency Review
- Module Completeness Checklist
- 3s Small Flow Treatment Facilities
- 4B County Planning Agency Review
- 2 Individual and Community Onlot Disposal of Sewage
- 4C County or Joint Health Department Review

\_\_\_\_\_  
 Municipal Secretary (print)

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

alcosan



allegheeny county  
sanitary authority  
TM

May 8, 2019

REC'D MAY 13 2019

*Members of the Board*

Sylvia C. Wilson  
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Joseph Vallarian  
*Director*  
*Communications*

Dante Cellitti, RLA  
Project Manager  
Morris Knowles and Associates, Inc.  
443 Athena Drive  
Delmont, PA 15626

**Re: Doughboy Affordable Living, 3350-3400 Penn Avenue, City of Pittsburgh  
PA DEP Sewage Facilities Planning Module  
ALCOSAN Regulator Structure A-23-00**

Dear Mr. Cellitti:

We have reviewed the Planning Module Component 3 for the referenced project to be located in the City of Pittsburgh. The project will generate an estimated flow of 4950 GPD in the ALCOSAN Allegheny Interceptor and Woods Run Treatment Plant.

The capacity at the A-23-00 Regulator Structure is approximately 11.3 MGD. The monitored peak dry weather flow is approximately 1.19 mgd. Dry weather capacity exists for this connection. However, the ALCOSAN Allegheny Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water Plan.

ALCOSAN requests that this letter be made part of the planning module submission. The signed Component 3 Planning Module is attached. The sewers in this project are to be designed as separated sanitary and storm sewers. If you have any questions regarding this matter, please contact me at 412-732-8004.

Sincerely,

**ALLEGHENY COUNTY SANITARY AUTHORITY**

Michael Lichte, P.E.  
Manager of Planning

Attachment

cc: T. Dean (w/o attachment)  
D. Thornton (w/o attachment)  
Shawn McWilliams (w/o attachment)  
Barry King, PWSA (w/o attachment)  
T. Flanagan/PaDEP (w/o attachment)  
M. Scheer/ACHD (w/o attachment)

April 4, 2019

Dante Cellitti  
Morris Knowles & Associates Inc.  
443 Athena Dr.  
Delmont, PA 15626

**RE: Doughboy Affordable Living  
3350 & 3400 Penn Ave - 15201  
PWSA Water and Sewer Use Application**

Dear Dante Cellitti:

The Pittsburgh Water and Sewer Authority (PWSA) is in receipt of the submittal for the above referenced project.

PWSA agrees with your proposed new flows and has approved the "PWSA Water and Sewer Use Application".

PWSA also received the PA DEP Sewage Facilities Planning Module (SFPM) for review. The DEP component is currently under review. Once PWSA reviews the SFPM, we will return the original to your office for further processing.

PWSA has also received the Water and Sewer Tap In Plans. I am reviewing them at this time and will be returning those for corrections shortly.

If you have any questions, please feel free to contact me at (412) 255-8800 ext. 5512.

Sincerely,

Brett McAllister  
Associate Project Manager

cc: PWSA File

April 4, 2019

Dante Cellitti  
Morris Knowles & Associates Inc.  
443 Athena Dr.  
Delmont, PA 15626

**RE: Doughboy Affordable Living  
3350 & 3400 Penn Ave - 15201**

Dear Dante Cellitti:

The Pittsburgh Water and Sewer Authority (PWSA) has reviewed your submitted PA DEP Sewage Facilities Planning Module Component 3.

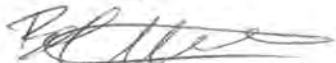
PWSA has approved your submittal and signed Section J and is returning to you for processing to ALCOSAN for final signature. Contact Leslie Stevens at the City of Pittsburgh Law Department at (412-255-2005) to prepare the required City Resolution that Council will need to approve for this project.

Once you receive City Council Resolution, you must submit the complete package to the DEP for final review and approval. You must include all documentation including the approved City of Pittsburgh Council Resolution and any review fees.

Once PWSA receives a copy of the approved Sewage Facilities Planning Module from the DEP, PWSA will process the tap in plan. PWSA is not permitted to issue final approval or a PWSA Permit for connection to the water and/or sewer mains until approval from DEP is granted.

If you have any questions specific to PWSA feel free to contact me. For any general questions regarding the Planning Module you must contact the DEP.

Sincerely,



Brett McAllister  
Associate Project Manager

CC (via email): Thomas Flanagan – DEP  
Kate Mechler – PWSA  
Julie Ascioffa - PWSA  
Leslie Stevens – City of Pittsburgh Law Department  
Michael Lichte - ALCOSAN  
PWSA File



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 Doughboy Affordable Living

2. Brief Project Description Construction of new affordable housing along with parking area and associated stormwater management controls at 3350 and 3400 Penn Avenue (single project on two properties).

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh/PWSA	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
1200 Penn Avenue				
Address Last Line -- City	State	ZIP+4		
Pittsburgh	PA	15222		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
412-255-2423	412-255-2472			

**C. SITE INFORMATION** (See Section C of instructions)

**Site (Land Development or Project) Name**

Doughboy Affordable Living

Site Location Line 1

3350 + 3400 Penn Avenue

Site Location Line 2

Site Location Last Line -- City

Pittsburgh

State

PA

ZIP+4

15201

Latitude

40.4625083

Longitude

-79.966673

Detailed Written Directions to Site From PADEP Southwest Regional office, get on the 30<sup>th</sup> St. bridge and turn right onto River Avenue. From River Avenue turn right to get on the 31<sup>st</sup> Street bridge. Continue on 31<sup>st</sup> Street and make a left onto Penn Avenue. Travel on Penn for 0.3 miles and the site is on the right at 34<sup>th</sup> Street.

Description of Site The project site is previously disturbed, currently mostly vacant property and there is an existing structure located on the parcel associated with 3400 Penn Avenue.

**Site Contact (Developer/Owner)**

Last Name

Eash

First Name

James

MI

Suffix

Phone

412-281-2102

Ext.

2018

Site Contact Title

Project Owner

Site Contact Firm (if none, leave blank)

ACTION Housing

FAX

412-224-4053

Email

JEash@actionhousing.org

Mailing Address Line 1

611 William Penn Place

Mailing Address Line 2

Suite 800

Mailing Address Last Line -- City

Pittsburgh

State

PA

ZIP+4

15219-6927

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

Last Name

Cellitti

First Name

Dante

MI

C

Suffix

Title

Project Manager

Consulting Firm Name

Morris Knowles & Associates, Inc.

Mailing Address Line 1

443 Athena Drive

Mailing Address Line 2

Address Last Line -- City

Delmont

State

PA

ZIP+4

15626

Country

USA

Email

dccellitti@morrisknowles.com

Area Code + Phone

724-468-4622

Ext.

Area Code + FAX

724-468-8940

**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: The 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 24

Connections 2

Name of:

existing collection or conveyance system Penn Avenue / 34<sup>th</sup> Street

owner PWSA

existing interceptor Allegheny River

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

NPDES Permit Number for existing facility PA 0025984

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

Name of Permittee Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Michael D. Lichter

Agent Signature [Signature] Date 5/8/19

(Also see Section I. 4.)

## G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

### 3. PLOT PLAN

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

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

### 4. WETLAND PROTECTION

YES NO

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

### 5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

### 6. HISTORIC PRESERVATION ACT

YES NO

- Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at [www.dep.state.pa.us](http://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](http://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 4950 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.

3350 PENN 48" COMBO	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	51627900	80697651	1906502	6672758	2007025	7011593
Conveyance		11.3 mgd	1.07	1.19	1.10	1.22
Treatment		250 mgd	199.8 mgd	250 mgd	199.8	250 mgd

3. Collection and Conveyance Facilities

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

YES NO

- a.  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 AND SEWER AUTHORITY  
 Name of Responsible Agent BARREY KING  
 Agent Signature [Signature] Date 4/4/19

**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 4340 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
<u>3400 PPMW</u> <u>18" Combo</u> Collection	6342698	22199443	232657	814302	248847	859574
Conveyance		<u>113</u>	<u>1.07</u>	<u>1.19</u>	<u>1.10</u>	<u>1.22</u>
Treatment		<u>250mgd</u>	<u>194.8</u>	<u>250mgd</u>	<u>194.8</u>	<u>250mgd</u>

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 AND SEWER AUTHORITY  
 Name of Responsible Agent BARRY KING  
 Agent Signature [Signature] Date 4/4/19

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN  
Name of Responsible Agent Muel D. Lechte  
Agent Signature [Signature]  
Date 5/8/2019

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 Muel D. Lechte  
Agent Signature [Signature]  
Date 5/8/19

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

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

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

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

**L. PERMEABILITY TESTING** (See Section L of instructions)

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

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

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

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

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

**O. SEWAGE MANAGEMENT** (See Section O of instructions)

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

Yes No

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

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

2. Project Flows \_\_\_\_\_ gpd

Yes No

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

If yes, attach a letter of intent to 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.

Dante Cellitti / Morris Knowles & Associates, Inc.

Name (Print)



Signature

Project Manager

Title

1.28-2019

Date

443 Athena Drive, Delmont PA 15626

Address

7244684622

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 \$1,200 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)

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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.

$$\#24 \text{ _____ Lots (or EDUs) X } \$50.00 = \$ \underline{1,200}$$

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:

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

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)



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

(PWSA USE ONLY)

## THE PITTSBURGH WATER AND SEWER AUTHORITY ENGINEERING AND CONSTRUCTION DIVISION

### WATER AND SEWER USE APPLICATION

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

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

#### A. GENERAL INFORMATION

1. Name of Land Development Project Doughboy Affordable Living  
 Location of land development project. *Use landmark or address, if available (e.g., north side of Liberty Ave 75 ft. east of intersection of Liberty Ave and 6<sup>th</sup> St.)* 3350 + 3400 Penn Avenue, Pittsburgh 15201.
2. Nature of Development. Check appropriate box and provide total flows.
- |   | Total Water Consumption (gpd) | Total Sanitary Flows (gpd) | Total Storm Flows (cfs) |
|---|-------------------------------|----------------------------|-------------------------|
| <input checked="" type="checkbox"/> Residential | <u>8550</u>                   | <u>8550</u>                | <u>1.84</u>             |
| <input checked="" type="checkbox"/> Commercial  | <u>740</u>                    | <u>740</u>                 |                         |
3. Acreage of development 0.46 acres
4. Allegheny County Block & Lot Nos. 25-D-104, -106, -107, -108 + 48-S-275, -278
5. Ownership of Land Development
- |                              |  |
|------------------------------|--|
| Name                         | Address                                  |
| <u>AHI Development, Inc.</u> | <u>611 William Penn Place, Suite 800</u> |
|                              | <u>Pittsburgh, PA 15219</u>              |
6. Applicant (Subdivider, Developer, or Responsible Project Agent)  
 Name Morris Knowles & Associates, Inc.  
 Address 443 Athena Drive, Delmont PA 15626  
 Telephone 724-468-4622

#### B. WASTEWATER AND STORMWATER FACILITIES

Provide information on collection and treatment facilities.

1. **COLLECTION SYSTEM**
- a. Number of proposed connections (sanitary and/or storm) 1 sanitary 1 storm in Penn, 1 sanitary 1 storm in 34th
- b. Name of existing collection or conveyance system Penn Avenue, 34th Street
- c. Name of interceptor Allegheny
- d. Name of treatment facility ALCOSAN
2. **SITE PLAN (24" x 36" maximum size accepted)**  
 The following information is to be submitted on a site plan of the proposed subdivision.
- |   |  |
|---|--|
| a. Existing building.   | f. Existing and proposed right(s)-of-way.      |
| b. Lot lines and lot sizes.   | g. Existing and proposed street, roadway, etc. |
| c. Remainder of tract.  | h. Water bodies and wetland areas.             |
| d. Orientation to North.  |  |
| e. Show proposed sewer line to the point of connection to existing collection system. Including all components (collection & conveyance lines, pumps, etc.) |  |

  
 Applicant Signature

1.31.2019  
 Date

Project No. \_\_\_\_\_  
(PWSA USE ONLY)

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

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

**Doughboy Affordable Living**

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

Dante Cellitti / Morris Knowles & Associates, Inc.  
Name (Print)

Project Manager  
Title

  
Signature

443 Athena Drive, Delmont PA 15626  
Address

724-468-4622  
Telephone Number

4/9/2019  
Date

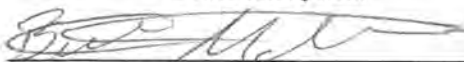
**D. CHAPTER 94 CONSISTENCY (See PA Department of Environmental Protection Current Regulations)**

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

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

**Collection System**

**Conveyance and Treatment**

 4/4/19  
Signature of Responsible Agent Date  
Pittsburgh Water and Sewer Authority

\_\_\_\_\_  
Signature of Responsible Agent Date  
ALCOSAN

**E. PLANNING AGENCY REVIEW**

**City of Pittsburgh Municipal Planning Agency**

This development/project has been reviewed and:

- is consistent
- is not consistent (objections attached)

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

City of Pittsburgh \_\_\_\_\_  
Department of City Planning Zoning Administrator Date

**Stormwater Management**

This development/project has been reviewed and:

- is consistent
- is not consistent (objections attached)

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

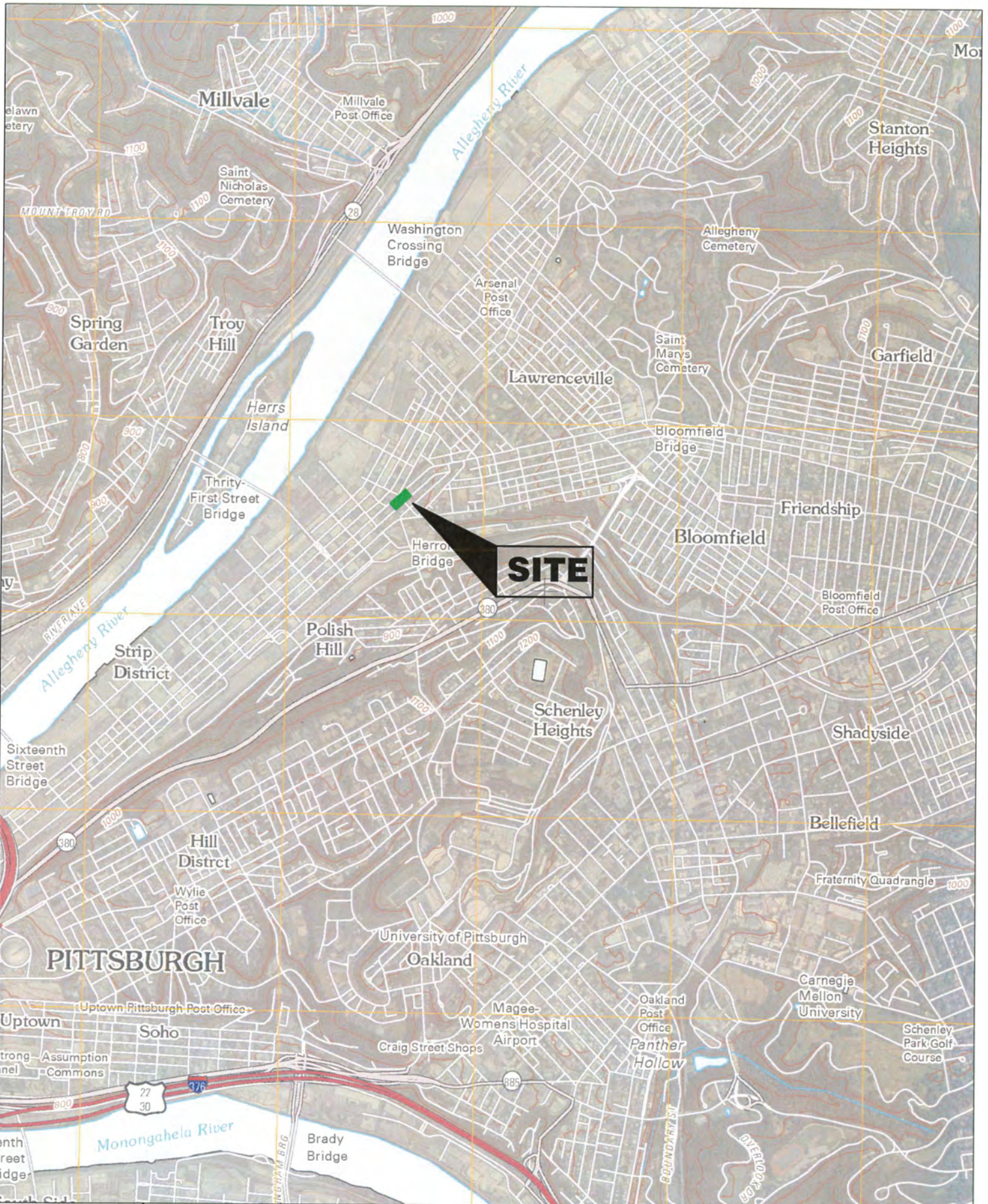
City of Pittsburgh \_\_\_\_\_  
Department of City Planning Environmental Planner Date

**County or Joint County Health Department**

This development/project has been reviewed and:

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

Allegheny County Health \_\_\_\_\_  
Department Signature of Responsible Agent Date



DESIGNED BY: D  
 REVIEWED BY: MMZ  
 DRAWN BY: DCC  
 DATE: SEPT. 2018  
 SCALE: 1:2000  
 PROJ. NO.: 1857.03

**LOCATION MAP**  
**DOUGHBOY AFFORDABLE HOUSING**  
 prepared for  
**ACTION HOUSING**  
*affiliated*  
 PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA

**MKA**  
**Morris Knowles**  
 & Associates, Inc.  
 (A Hammel Green Company)  
 Consulting Engineers and Land Surveyors  
 143 Albana Drive  
 Delmont, PA 15028  
 Telephone: (724) 468-4822  
 Fax: (724) 468-8940  
 info@morrisknowles.com www.morrisknowles.com

## Doughboy Affordable Living Development

The project site is located at 3350 and 3400 Penn Avenue at the intersection of Penn Avenue and 34<sup>th</sup> Street in the City of Pittsburgh, Allegheny County, Pennsylvania. There is one, two-story structure on a portion of the lot for 3400 Penn Avenue, and the remainder of the lots for both sites are currently vacant. The proposed use of this project is mainly residential with a small commercial space on the ground floor level of 3400 Penn Avenue. A Sewage Facilities Planning Module will be needed for the proposed development. The total project site is approximately 0.46 acres and is currently undeveloped. No wetlands are present at the site.

As a result of this project, there will be an increase in sanitary sewer flow of **9,290 GPD**. Please refer to the attached charts for how these flows were calculated. The proposed flow of the potential coffee shop tenant in the commercial space was calculated by assuming half of the proposed tenant area is dedicated to seating with the remaining area dedicated to kitchen, storage, and service amenities. The seating area for the restaurant area would be 557 sq. ft. Using 15 sq. ft. per patron, this would result in a maximum of 37 seats allowable by code. To be conservative, it is assumed the shop would have 2 turnovers per day.

**Total Project New Flows = 9,290 GPD**

## Dry Weather Calculations – Penn Avenue 48" Combined Sewer Line

### Existing

The existing 48" Combined Sewer in Penn Avenue is sloped at 3.79%. Using full flow calculations, a 48" pipe flowing at full capacity at 3.79% slope using 0.013 for the manning's coefficient will result in **279.6 CFS** flowing through the pipe.

1 CFS = 646,272 Gallons Per Day (GPD).

279.60 CFS x 646,272 = **180,697,651.20 GPD Peak Flow**

180,697,651.20 GPD / 3.5 = **51,627,900.34 GPD Average Flow**

### Present

The water level at the time of the CCTV work was 5% of the cross sectional area, which is equivalent to 2.40" for the 48" pipe. Using the depth of water at 2.4" through the 48" pipe at 3.79% slope using 0.013 for the manning's "n" coefficient will result in **2.95 cfs** flowing through the pipe.

2.95 CFS X 646,272 = **1,906,502.40 GPD Average Flow**

1,906,502.40 GPD x 3.5 = **6,672,758.40 GPD Peak Flow**

### Proposed

Proposed flows because of the affordable housing development: **4,950 GPD from 3350 Penn Avenue building.**

4,950 GPD + 1,906,502.40 = 1,911,452.40 GPD + 5% = **2,007,025.02 Average Proposed GPD Total**

4,950 GPD + 6,672,758.40 = 6,677,708.40 GPD + 5% = **7,011,593.82 Peak Proposed GPD Total**

## Dry Weather Flows for 34<sup>th</sup> Street 18" Combined Sewer Line

### Existing

The existing 18" Combined Sewer in 34<sup>th</sup> Street is sloped at 10.7%. Using full flow calculations, an 18" pipe flowing at full capacity at 10.7% slope using 0.013 for the mannings coefficient will result in **34.35 CFS** flowing through the pipe.

1 CFS = 646,272 Gallons Per Day (GPD).

34.35 CFS x 646,272 = **22,199,443.20 GPD Peak Flow**

22,199,443.20 GPD / 3.5 = **6,342,698.05 GPD Average Flow**

### Present

The water level at the time of the CCTV work was 5% of the cross sectional area, which is equivalent to 0.90" for the 18" pipe. Using the depth of water at 0.90" through the 18" pipe at 10.7% slope using 0.013 for the mannings "n" coefficient will result in **0.36 cfs** flowing through the pipe.

0.36 CFS X 646,272 = **232,657.92 GPD Average Flow**

232657.92 GPD x 3.5 = **814,302.72 GPD Peak Flow**

### Proposed

Proposed flows because of the affordable housing development: **4,340 GPD from 3400 Penn Avenue building.**

4,340 GPD + 232,657.92 = 236,997.92 GPD +5% = **248,847.82 Average Proposed GPD Total**

4,340 GPD + 814,302.72 = 818,642.72 GPD + 5% = **859,574.85 Peak Proposed GPD Total**

## Doughboy Affordable Living - 3350 Penn

### PROPOSED SEWAGE DISCHARGE ESTIMATE

Tenant Space	Unit #	Description	Flow (GAL/Day)
Ground Floor	2	Public Toilet @ 400GPD	800
	3	Public Sink @ 200GPD	600
First Floor	10	1 Bedroom Apartments @ 150 GPD	1,500
Second Floor	7	1 Bedroom Apartments @ 150 GPD	1,050
	2	Two Bedroom Apartments @ 300 GPD	600
	1	Three Bedroom Apartments @ 400 GPD	400
<b>TOTAL (GPD)</b>			<b>4,950</b>

#### Sewage Flows Per Table 2-1 of PWSA Design Manual

Public Toilet = 400 GPD
Public Sink = 200 GPD
One Bedroom Apartments = 150 GPD
Two Bedroom Apartments = 300 GPD
Three Bedroom Apartments = 400 GPD

## Doughboy Affordable Living - 3400 Penn

### PROPOSED SEWAGE DISCHARGE ESTIMATE

Tenant Space	Unit #	Description	Flow (GAL/Day)
Ground Floor	2	Public Toilet @ 400 GPD	800
	2	Public Sink @ 200 GPD	400
	37	Commerical Tenant Space @ 10 GPD	740
First Floor	7	1 Bedroom Apartments @ 150 GPD	1,050
Second Floor	7	1 Bedroom Apartments @ 150 GPD	1,050
	1	Two Bedroom Apartments @ 300 GPD	300
<b>TOTAL (GPD)</b>			<b>4,340</b>

#### Sewage Flows Per Table 2-1 of PWSA Design Manual

Public Toilet = 400 GPD
Public Sink = 200 GPD
One Bedroom Apartments = 150 GPD
Two Bedroom Apartments = 300 GPD
Three Bedroom Aparments = 400 GPD
Coffee Shop = 10 GPD per Seat
(Number of Seats derived from 557 sq. ft. patron area = 37 max patrons allowed per Code)



## Sewer Facilities Alternative Analysis

The project properties previously had City sewer service and the properties currently have combined sewer mains surrounding the property boundaries. Each building will have one sanitary service lateral connecting via a wye connection to the combined sewer main (3350 Penn Avenue into the 48" combined in Penn and 3400 Penn into the 18" combined in 34<sup>th</sup> Street). The daily flow proposed of 9,290 GPD (or 24 EDUs.) represents the ultimate method for this project and based on letters from the Pittsburgh Water and Sewer Authority and ALCOSAN., their system has capacity for this project and is currently in compliance with the exception of wet weather conditions.

The adjacent land uses are mainly a mixture of commercial, and residential uses. These developments all discharge to the public sewer system and are considered the ultimate use with no known improvements needed. The zoning of the surrounding uses are Urban Industrial, Parks, Hillside, Single Unit Attached Residential, Local Neighborhood Commercial, and Riverfront Industrial Mixed Use.

The ALCOSAN Treatment Plant is currently under a tap allocation plan but will not affect this project. Tying into public sanitary sewer is the most feasible option for this project due to the existing sewer service surrounding both properties. An on-lot system would not be feasible given the proposed buildout of the site, and the small property size. By connecting to the existing public sanitary system already on site, this guarantees this project will have adequate sewage disposal. The private lateral is designed for the maximum capacity of the proposed buildings, and if they existing public sewer has capacity issues in the future it will be upgraded by the municipal authority to accommodate an increase of flow to this sewer main.

The owner of this project, ACTION Housing Inc., will be responsible for the operation and maintenance of their private lateral.

## 1. PROJECT INFORMATION

Project Name: **ACTION Housing Doughboy Affordable Living**

Date of Review: **8/3/2018 09:56:08 AM**

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

Project Area: **1.16 acres**

County(s): **Allegheny**

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

ZIP Code: **15201**

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

Watersheds HUC 8: **Lower Allegheny**

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

Decimal Degrees: **40.462416, -79.967174**

Degrees Minutes Seconds: **40° 27' 44.6989" N, 79° 58' 1.8254" 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.

### ACTION Housing Doughboy Affordable Living

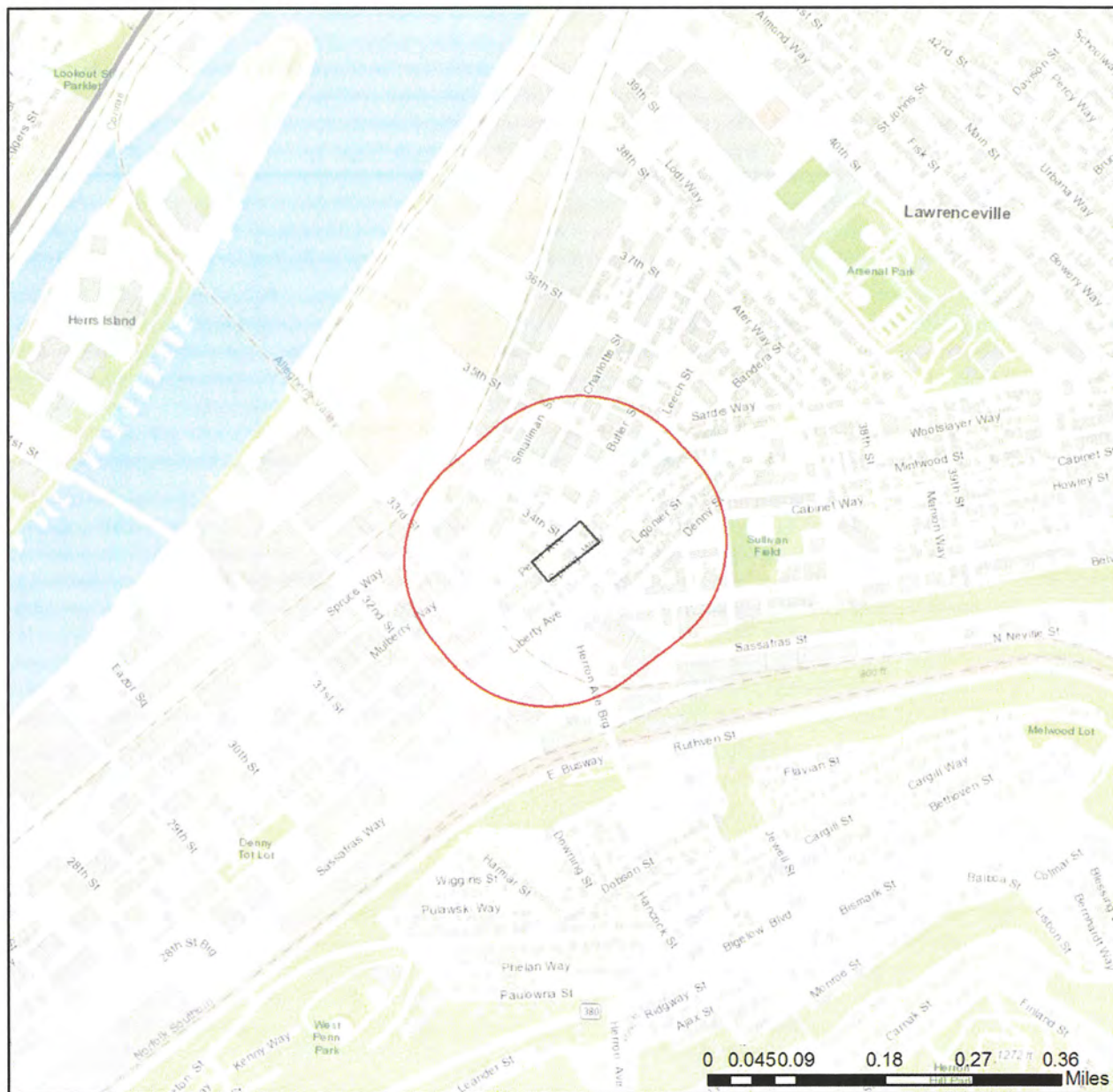


- Project Boundary
- Buffered Project Boundary

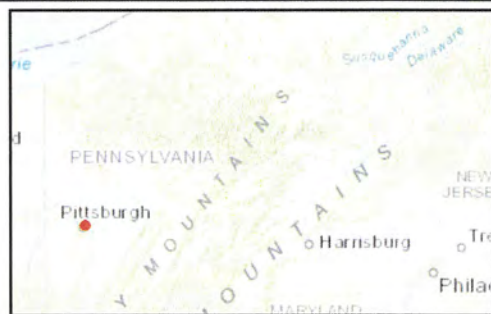
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community  
Esri, HERE, Garmin, ©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



### ACTION Housing Doughboy Affordable Living



- Project Boundary
- Buffered Project Boundary



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

## RESPONSE TO QUESTION(S) ASKED

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

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

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

**Your answer is:** No

### 3. AGENCY COMMENTS

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

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

#### PA Game Commission

##### RESPONSE:

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

#### PA Department of Conservation and Natural Resources

##### RESPONSE:

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

#### PA Fish and Boat Commission

##### RESPONSE:

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

#### U.S. Fish and Wildlife Service

##### RESPONSE:

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

#### **4. DEP INFORMATION**

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

## 5. ADDITIONAL INFORMATION

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

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

## 6. AGENCY CONTACT INFORMATION

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

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

**PA Fish and Boat Commission**  
Division of Environmental Services  
595 E. Rolling Ridge Dr., Bellefonte, PA 16823  
Email: [RA-FBPACENOTIFY@pa.gov](mailto: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](mailto:RA-PGC_PNDI@pa.gov)  
NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: Dante Cellitti  
Company/Business Name: Morris Knowles & Associates, Inc.  
Address: 443 Athana Drive  
City, State, Zip: Delmont Pa 15626  
Phone: (724) 468-4622 Fax: (724) 468-8940  
Email: DCellitti@morrisknowles.com

## 8. CERTIFICATION

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

  
\_\_\_\_\_  
applicant/project proponent signature

8/3/2018  
\_\_\_\_\_  
date



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

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 existing local municipal planning agency for their comments.

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

Project Name  
 Doughboy Affordable Living

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

1. Date plan received by municipal planning agency. 1-31-19
2. Date review completed by agency. 2-6-19

**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 type="checkbox"/>	<input checked="" type="checkbox"/>	9. Is this proposal consistent with the ordinance? If no, describe the inconsistencies <u>under review</u>
<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 type="checkbox"/>	<input checked="" type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Is there a municipal subdivision and land development ordinance?



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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Act 537 Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances?
17. Name, title and signature of planning agency staff member completing this section:		
Name: <u>Martina Battistone</u>		
Title: <u>Senior environmental planner</u>		
Signature: <u>MBattistone</u>		
Date: <u>2-6-19</u>		
Name of Municipal Planning Agency: <u>City of Pittsburgh, planning</u>		
Address: <u>200 Ross St. 4<sup>th</sup> Floor Pittsburgh, PA 15219</u>		
Telephone Number: <u>(412) 255-2516</u>		

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

This Component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are desired, 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 project sponsor.

COUNTY OF



ALLEGHENY

RICH FITZGERALD  
COUNTY EXECUTIVE

June 25, 2019

REC'D JUN 27 2019

Dante Cellitti, RLA, CPESC, CPESC  
Morris Knowles & Associates, Inc.  
443 Athena Drive  
Delmont, PA 15626

**RE: SEWAGE FACILITIES PLANNING MODULE  
DOUGHBOY AFFORDABLE LIVING, CITY OF PITTSBURGH  
ALLEGHENY COUNTY**

Dear Mr. Cellitti:

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 June 24, 2019. The project proposes the following:

Project Description:	Doughboy Affordable Living. Proposed construction of new affordable housing along with parking area and associated stormwater management controls at 3350 Penn Avenue & 207 34th Street (single project on two properties) in the City of Pittsburgh, Allegheny County
Sewage Flow:	9290 GPD
Conveyance:	This project is considered one project but is on two adjacent sites (3350 Penn Avenue & 207 34th Street). Both sites involve the construction of affordable housing apartment buildings and will both be serviced by new sewer laterals. The proposed service lateral from building 3350 will connect into a 48" brick combined sewer main located in Penn Avenue and the proposed service lateral from building 207 will connect into an 18" vitrified clay combined sewer main in 34th Street that ultimately connects to the 48" brick combined sewer main located in Penn Avenue. Both mains are owned by PWSA. The 48" main discharges to the ALCOSAN interceptor at A-23 and will ultimately discharge to the ALCOSAN treatment facility at Woods Run
Sewer's Owner:	PWSA
Name of Sewage Treatment Plant:	ALCOSAN



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

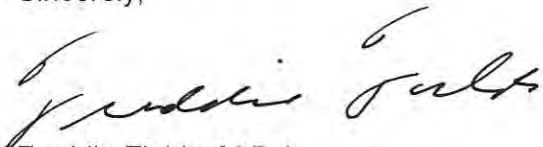
**WATER POLLUTION CONTROL & SOLID WASTE MANAGEMENT**  
3901 PENN AVENUE • BUILDING 5 • PITTSBURGH, PA 15224-1318  
PHONE: 412.578.8040 • FAX: 412.578.8053 • WWW.ACHD.NET



Please be advised that a permit must be obtained from the Allegheny County Health Department's (ACHD) Plumbing Section prior to commencing any plumbing work for the proposed project. Plumbing work for which an ACHD Plumbing Permit must be obtained includes any plumbing work done on the site and any sewers, which will not be owned and operated by a municipality or a sewer authority. In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, you can call Ivo Miller, Plumbing Program Manager at 412-578-8393.

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

Sincerely,



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

FF/cab  
Enclosure

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



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

Doughboy Affordable Living

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

1. Date plan received by county or joint-county health department. June 24, 2019

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency June 25, 2019

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

Yes No

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

If no, what are the inconsistencies? \_\_\_\_\_

2. Are there any waste water disposal needs in the area adjacent to the new land development that should be considered by the municipality?

If yes, describe \_\_\_\_\_

3. Is there any known groundwater degradation in the area of the proposed subdivision?

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:

Date: June 25, 2019

Name of County Health Department: ACHD

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

Telephone Number: 412-578-8046

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

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

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

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



March 8, 2019

Mark Zimmerman, P.E.  
Morris Knowles & Associates, INC.  
443 Athena Drive  
Delmont, PA 15626

**RE: Doughboy Affordable Housing Stormwater Management Review**

Dear Mr. Zimmerman,

The Stormwater Plan submitted to the City of Pittsburgh for review has been studied and the adequacy of the plan has been evaluated. The above referenced Plan is **adequate**.

The City of Pittsburgh reviews the Plan to determine whether it is adequate to satisfy the requirements of City of Pittsburgh's Zoning Code Title Nine – 906.07 SM-O, Stormwater Management Overlay District as well as Title Ten – Building 1003, Land Operations Control and Stormwater Management. When determining a plan is adequate to meet these requirements, the City of Pittsburgh does not assume any responsibility for the implementation and operation of the facility(s) contained in the Plan.

The design, structure integrity, and installation of the control measures are the responsibility of the owner (initial, interim, and final). Before any construction or stormwater facilities may begin, the appropriate and necessary local, state and federal permits/approvals must be secured from the agency(s) having specific permitting/approval authority.

Please contact me with any questions.

Sincerely,

Martina Battistone  
*Senior Environmental Planner*

REC'D OCT 05 2018

October 2, 2018

Mr. Dante Cellitti  
Morris Knowles and Associates, Inc.  
443 Athena Drive  
Delmont, PA 15626

**RE: Water and Sewer Availability  
Action Housing – Housing and Commercial Space  
3350 and 3400 Penn Avenue - 15201**

Dear Mr. Cellitti:

In response to your inquiry on 9/14/2018 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](http://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) 255-0841. Thank you.

Sincerely,

*Michelle Carney*  
Michelle E. Carney  
Engineering Technician III

MEC

cc: PWSA File



# 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.

<b>Information to be submitted by the Applicant:</b>			
Property Owner Name:	ACTION Housing		
Address of Property:	3350 + 3400 Penn Avenue 15201		
Proposed Use of Site:	Affordable housing and small commercial space.		
Closest street intersection to the property:	Penn Avenue and 34th Street.		
Requestor Name:	Morris Knowles & Associates, Inc./Dante Cellitti	Date of Request:	September 14, 2018
Requestor Address:	443 Athena Drive, Delmont PA 15626		
Requestor Phone Number:	724-468-4622		

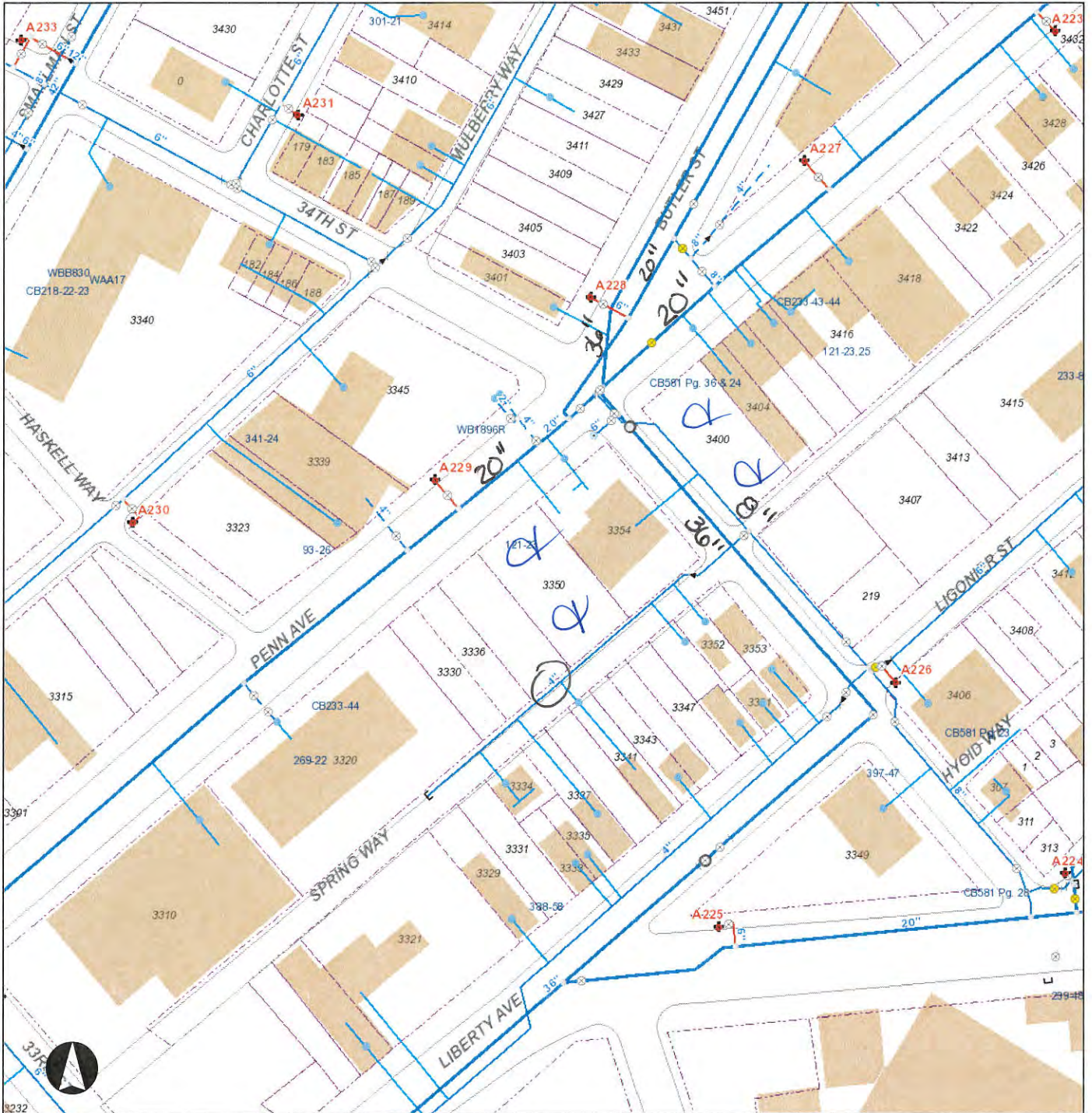
Please submit the completed form to:

Pittsburgh Water and Sewer Authority  
 Engineering and Construction Division  
 1200 Penn Avenue  
 Pittsburgh, PA 15222  
 Attn: Ms. Michelle Carney (mcarney@pgh2o.com)



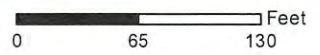
<b>PWSA Use Only:</b>		411 Spring Way; 8" : 36" 34th st	
PWSA Water Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Size / Location:	20" Penn Avenue
PWSA Sewer Service Available:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sewer Size / Location:	15"/18" Springway; 18" 34th st 48"/24" Penn Avenue
Applicant must contact separate agency for water and/or sewer service:		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Name of separate agency:		N/A	
PWSA Approval Authority:	Signature and Date	Michelle E Carney 10/2/2018	
	Name (printed)	Michelle Carney	
	Title	Engineering Tech 3	

# 3350 & 3400 Penn Ave



## Legend

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

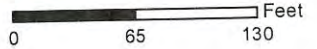
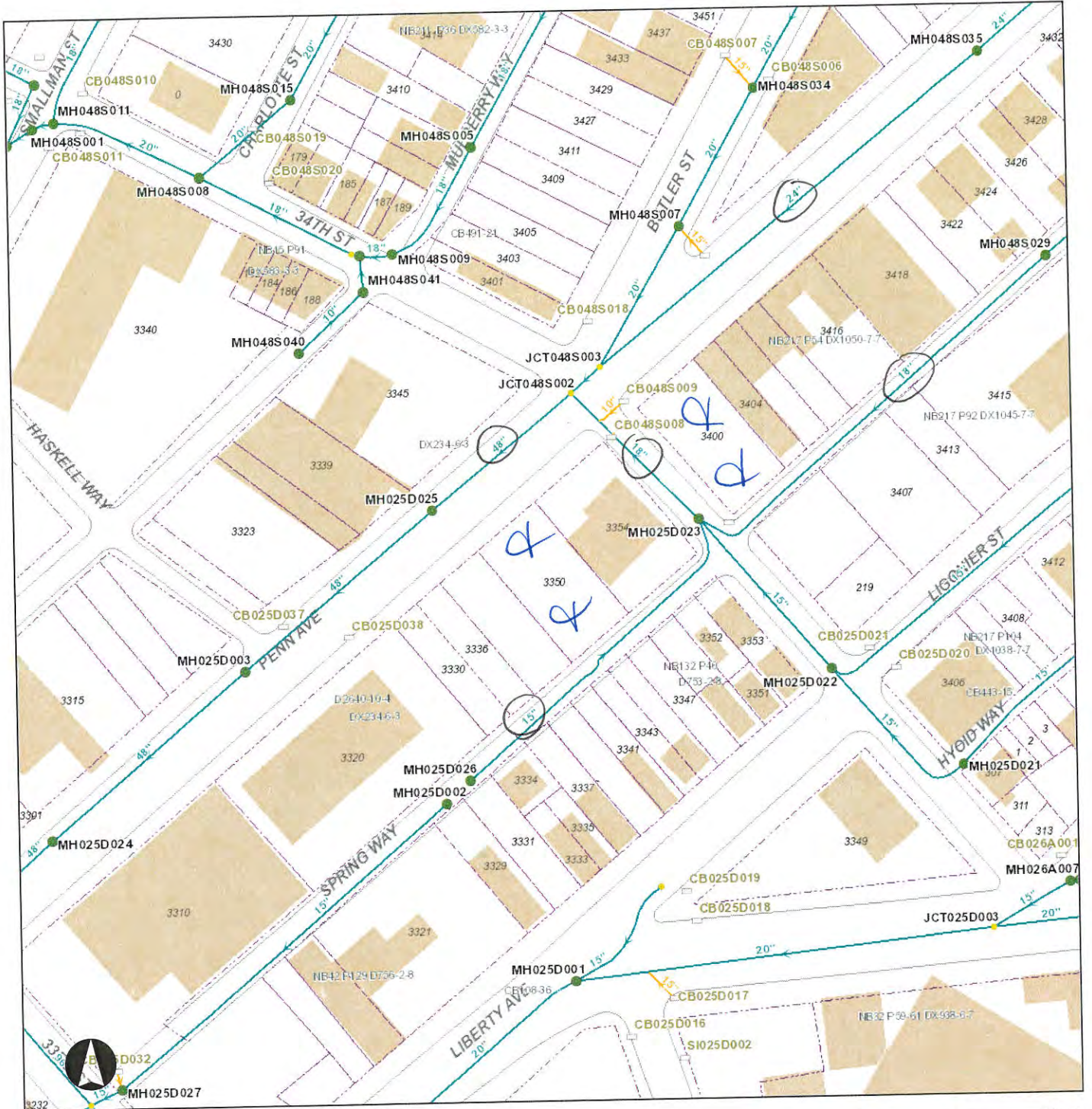


Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations made on the basis of such information. COP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefore is assumed by the City or the PWSA.

Date: 10/2/2018



# 3350 & 3400 Penn Ave



## Legend




Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations made on the basis of such information. COP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefore is assumed by the City or the PWSA.

Date: 10/2/2018

WATERLINE NOTES:

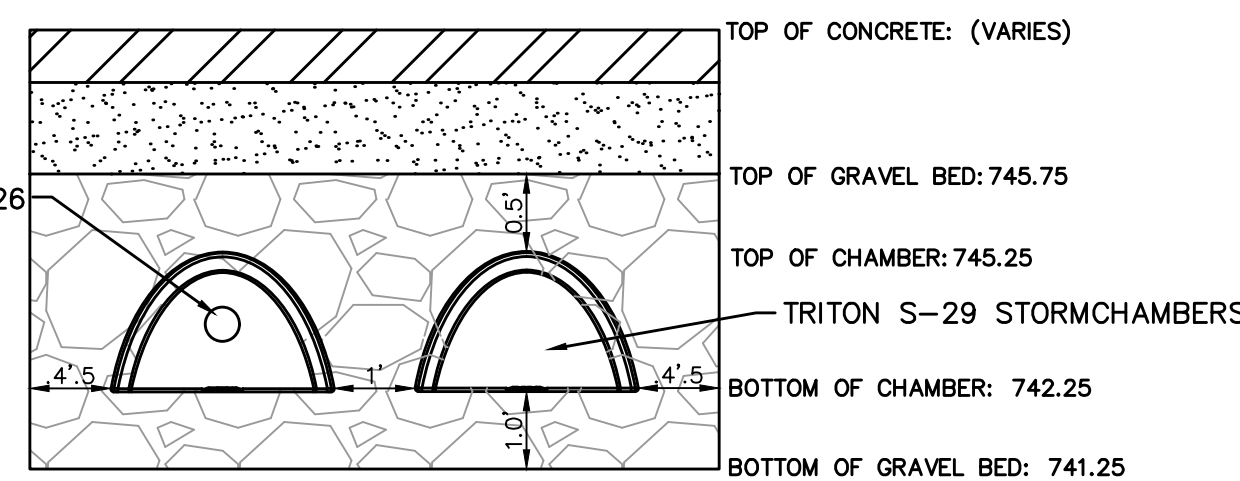
1. SEE PLAN SHEET 1 - SHEET 3 FOR WATERLINE UTILITY INFORMATION.

UTILITY NOTES:

- 1. ALL EXISTING UTILITIES SERVING THIS PROPERTY SHALL BE PROPERLY TERMINATED AT THE RIGHT-OF-WAY LINE IN COMPLIANCE WITH CITY AND COUNTY REGULATIONS. CONTRACTOR SHALL PROVIDE EVIDENCE OF COMPLIANCE WITH ALL STATE AND FEDERAL LAWS REGARDING THE DEMOLITION OF STRUCTURES AND ABANDONMENT OF UTILITIES.
2. ANY UTILITIES FOUND DURING EXCAVATION, NOT SHOWN ON PLAN, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
3. EACH SUBCONTRACTOR SHALL OBTAIN HIS OR HER OWN PERMITS AND CONTACT THE UTILITY COMPANY FOR VERIFICATION AND LOCATION OF HOOK-UP PRIOR TO ANY WORK BEING DONE.
4. UTILITIES SHOWN WERE TAKEN IN PART FROM RECORDS OF RESPECTIVE UTILITY COMPANIES AND PART FROM A SURVEY AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND OR OVERHEAD UTILITIES ADJACENT TO OR UPON THE PREMISES SHOWN ON THE PLAN.
5. THE CONTRACTOR SHALL COORDINATE UTILITY CONNECTIONS AND SIZE AT THE BUILDING WITH THE MECHANICAL DRAWINGS AND PROVIDE CONNECTIONS WITH EXISTING UTILITIES IN ACCORDANCE WITH THE UTILITY PROVIDER'S REQUIREMENTS.
6. ALL UTILITIES SHALL BE UNDERGROUND.
7. ALL UTILITIES SHALL BE CONSTRUCTED, INSPECTED AND TESTED IN ACCORDANCE WITH THE BOROUGH, CITY, AUTHORITY, OR COUNTY STANDARDS AND REGULATIONS. THE ENGINEERING DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE FOR SCHEDULING OF AN INSPECTOR IF REQUIRED.
8. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
9. CONTRACTOR SHALL VERIFY THE LOCATION AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS AND SHUT-OFFS WITH UTILITY PROVIDERS.
11. SEE MEP AND ARCHITECTURAL PLANS FOR ROOF DRAIN COORDINATION AND GARAGE FLOOR DRAIN INFORMATION.
12. CONTRACTOR SHALL REFER TO MEP AND ARCHITECTURAL PLANS FOR ELECTRICAL AND GAS UTILITY INFORMATION.

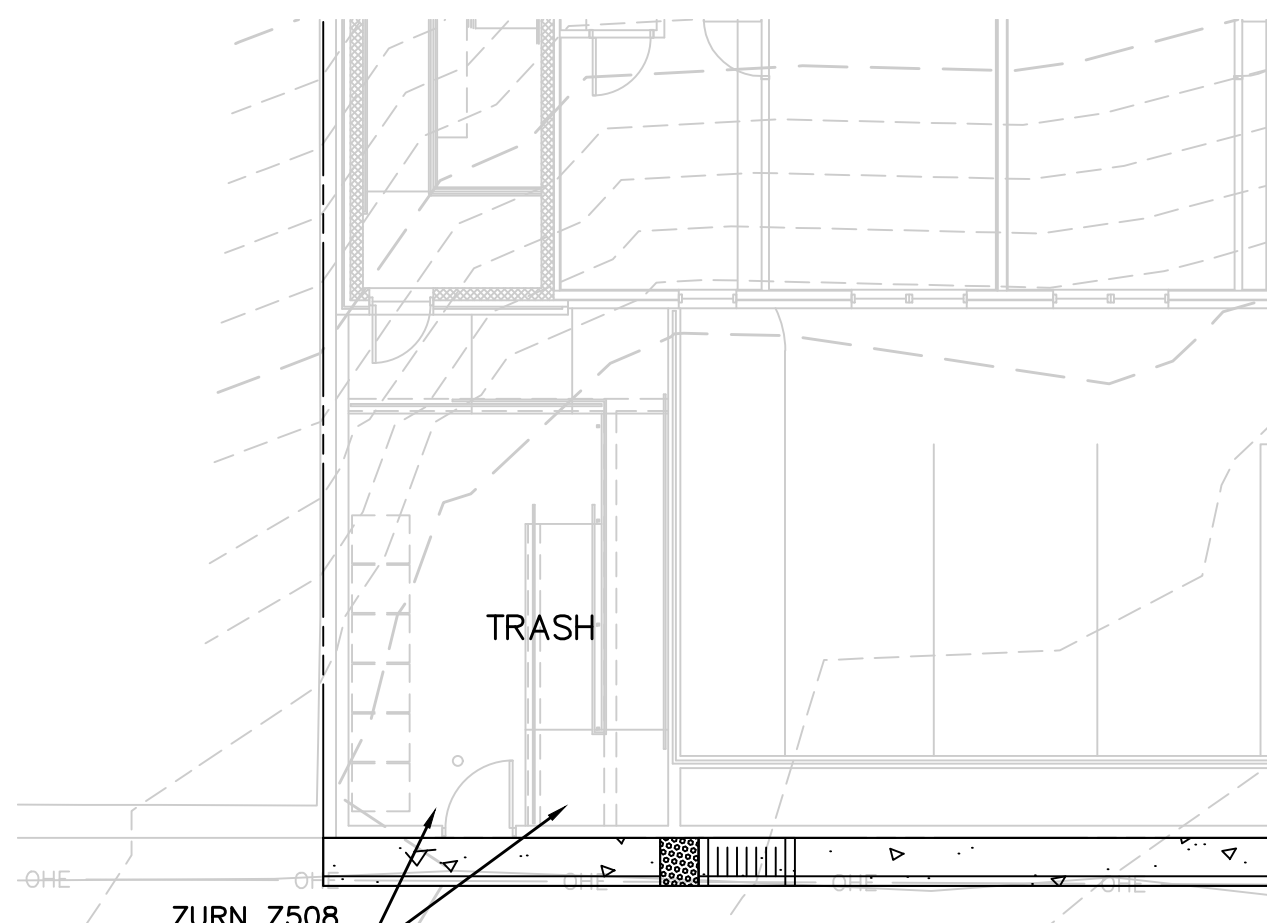
SANITARY SEWER NOTES:

1. SEE PLAN SHEET 1 - SHEET 3 FOR SANITARY UTILITY INFORMATION.



- NOTES:
1. SEE MANUFACTURER'S DETAILS ON SHEET C600 FOR OTHER APPURTENANCES.

3350 PENN AVENUE - TRITON S-29 CHAMBERS(ELEVATION INFORMATION) N.T.S.

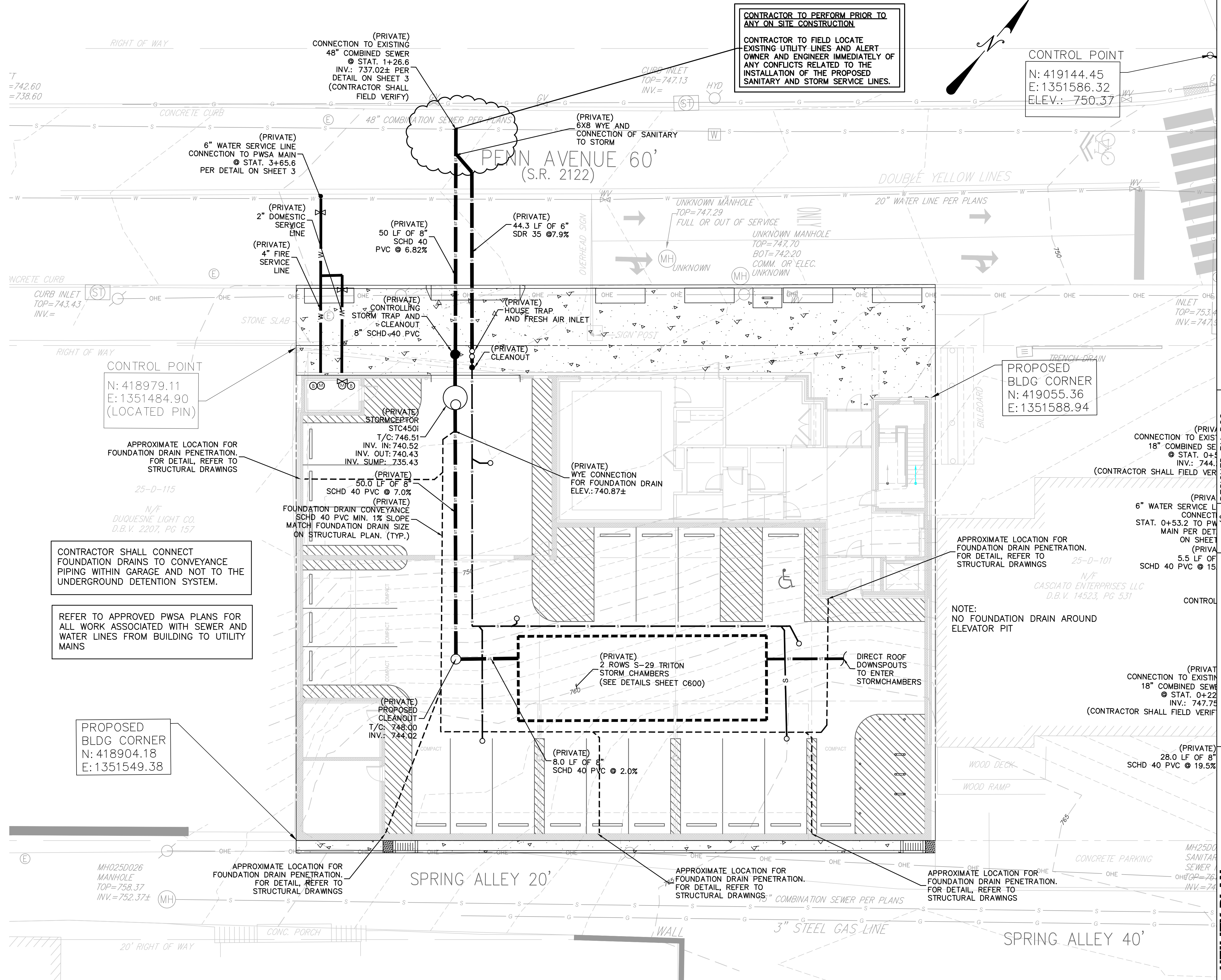


CONTRACTOR SHALL CONNECT DRAINS IN TRASH ACCESS AREA TO STORMWATER CONVEYANCE SYSTEM IN GARAGE ON GROUND LEVEL.

CALL BEFORE YOU DIG IN PENNSYLVANIA 1-800-242-1776 DESIGN SN: 20182041808

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

Know what's below Call before you dig

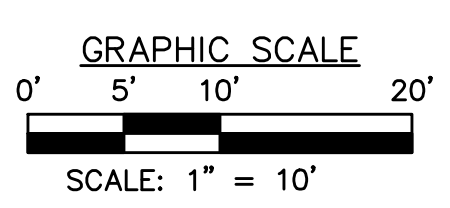


CONTRACTOR SHALL CONNECT FOUNDATION DRAINS TO CONVEYANCE PIPING WITHIN GARAGE AND NOT TO THE UNDERGROUND DETENTION SYSTEM.

REFER TO APPROVED PWSA PLANS FOR ALL WORK ASSOCIATED WITH SEWER AND WATER LINES FROM BUILDING TO UTILITY MAINS

PROPOSED BLDG CORNER N: 418904.18 E: 1351549.38

- LEGEND
SAN - SANITARY
ST - STORM
MH - MANHOLE
TOP - TOP OF CASTING
INV - INVERT / FLOW LINE
WV - WATER VALVE
GV - GAS VALVE
GM - GAS METER
EM - ELECTRIC METER
S.R. - STATE ROUTE
TELE - TELEPHONE
RCP - REINFORCED CONCRETE PIPE
CPP - CORRUGATED PLASTIC PIPE
G - GAS LINE
W - WATER LINE
S - SUBSURFACE TELEPHONE LINE
E - SUBSURFACE ELECTRIC LINE
OH - OVERHEAD WIRES
--- - EXISTING CONTOURS
--- - EXISTING INLET
O - EXISTING MANHOLE
--- - EXISTING SEWER
-x-x-x- FENCE

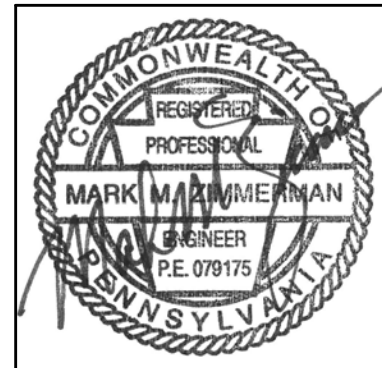


THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.

© 2018 MORRIS KNOWLES & ASSOCIATES, INC. (A HAMMONTREE COMPANY) - THESE DRAWINGS SHALL NOT BE USED BY ANY PERSON, FIRM OR CORPORATION WITHOUT SPECIFIC WRITTEN PERMISSION FROM MORRIS KNOWLES & ASSOCIATES, INC. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR MANIPULATED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT PERMISSION AND CONSENT OF MORRIS KNOWLES & ASSOCIATES, INC.

Table with 2 columns: DEPARTMENT OF PUBLIC WORKS, REVIEWED BY, DATE



Vertical sidebar containing project information: 3350 PENN - DOUGHBOY AFFORDABLE LIVING ACTION HOUSING, INC., CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA, SHEET NO. C400, and contact information for Morris Knowles & Associates, Inc.

**WATERLINE NOTES:**

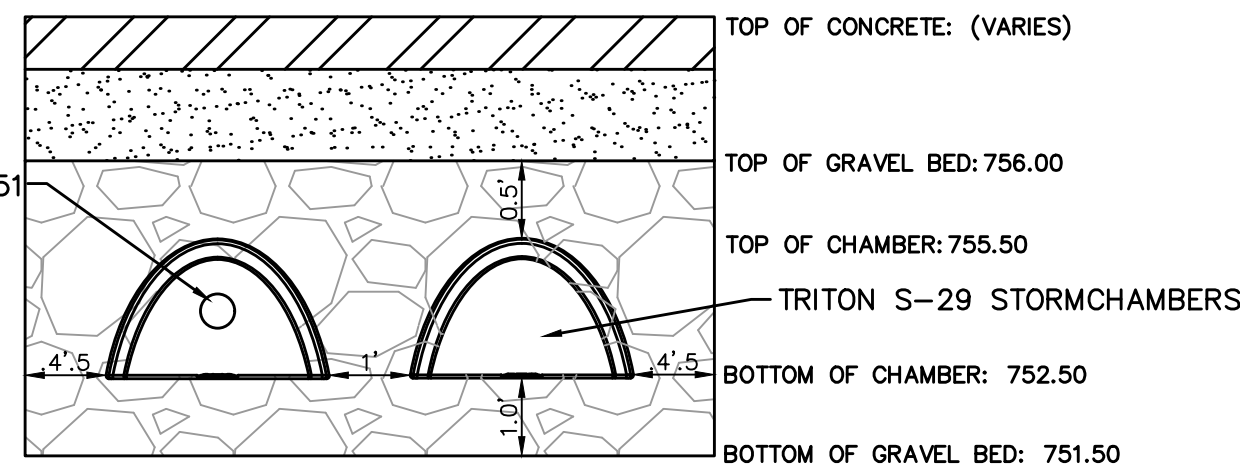
1. SEE PLAN SHEET 1 - SHEET 3 FOR WATERLINE UTILITY INFORMATION.

**UTILITY NOTES:**

- ALL EXISTING UTILITIES SERVING THIS PROPERTY SHALL BE PROPERLY TERMINATED AT THE RIGHT-OF-WAY LINE IN COMPLIANCE WITH CITY AND COUNTY REGULATIONS. CONTRACTOR SHALL PROVIDE EVIDENCE OF COMPLIANCE WITH ALL STATE AND FEDERAL LAWS REGARDING THE DEMOLITION OF STRUCTURES AND ABANDONMENT OF UTILITIES.
- ANY UTILITIES FOUND DURING EXCAVATION, NOT SHOWN ON PLAN, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
- EACH SUBCONTRACTOR SHALL OBTAIN HIS OR HER OWN PERMITS AND CONTACT THE UTILITY COMPANY FOR VERIFICATION AND LOCATION OF HOOK-UP PRIOR TO ANY WORK BEING DONE.
- UTILITIES SHOWN WERE TAKEN IN PART FROM RECORDS OF RESPECTIVE UTILITY COMPANIES AND PART FROM A SURVEY AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND OR OVERHEAD UTILITIES ADJACENT TO OR UPON THE PREMISES SHOWN ON THE PLAN.
- THE CONTRACTOR SHALL COORDINATE UTILITY CONNECTIONS AND SIZE AT THE BUILDING WITH THE MECHANICAL DRAWINGS AND PROVIDE CONNECTIONS WITH EXISTING UTILITIES IN ACCORDANCE WITH THE UTILITY PROVIDER'S REQUIREMENTS.
- ALL UTILITIES SHALL BE UNDERGROUND.
- ALL UTILITIES SHALL BE CONSTRUCTED, INSPECTED AND TESTED IN ACCORDANCE WITH THE BOROUGH, CITY, AUTHORITY, OR COUNTY STANDARDS AND REGULATIONS. THE ENGINEERING DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE FOR SCHEDULING OF AN INSPECTOR IF REQUIRED.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- CONTRACTOR SHALL VERIFY THE LOCATION AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS AND SHUT-OFFS WITH UTILITY PROVIDERS.
- SEE MEP AND ARCHITECTURAL PLANS FOR ROOF DRAIN COORDINATION AND GARAGE FLOOR DRAIN INFORMATION.
- CONTRACTOR SHALL REFER TO MEP AND ARCHITECTURAL PLANS FOR ELECTRICAL AND GAS UTILITY INFORMATION.
- ADD ALTERNATE FOR ELEVATOR PIT FOUNDATION DRAIN CONNECTION - THE ADDITION OF THE ELEVATOR PIT FOUNDATION DRAIN WILL REQUIRE STORM SYSTEM FROM CONNECTION POINT AT MAIN IN 34TH TO THE CONNECTION POINT OF THE ELEVATOR DRAIN TO THE PRIVATE LATERAL, TO BE LOWERED APPROXIMATELY 3 FEET IN ELEVATION.

**SANITARY SEWER NOTES:**

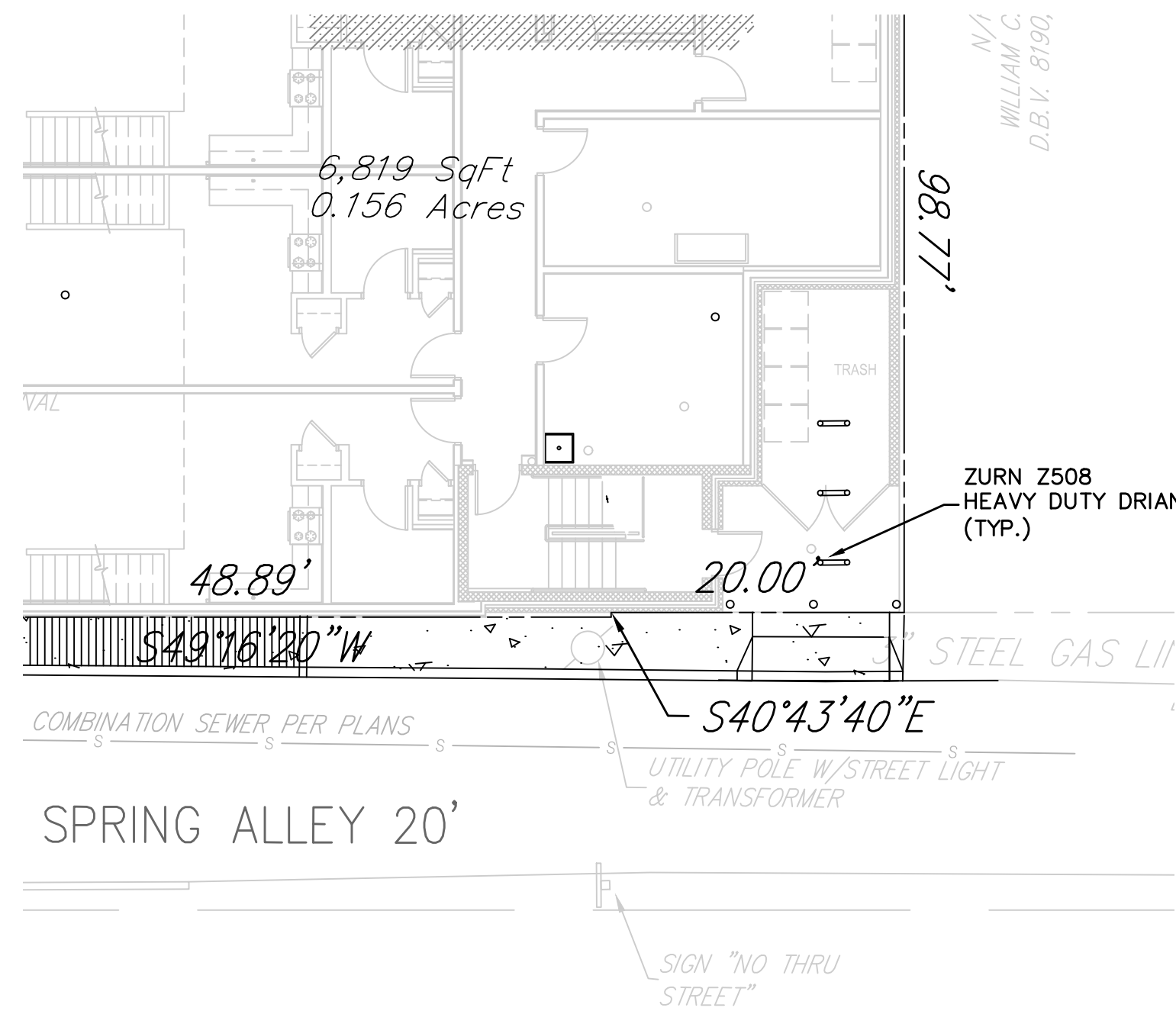
1. SEE PLAN SHEET 1 - SHEET 3 FOR SANITARY UTILITY INFORMATION.



**NOTES:**

1. SEE MANUFACTURER'S DETAILS ON SHEET C600 FOR OTHER APPURTENANCES.

3400 PENN AVENUE - TRITON S-29 CHAMBERS(ELEVATION INFORMATION)  
N.T.S.



SECOND FLOOR / TRASH ACCESS GRADING

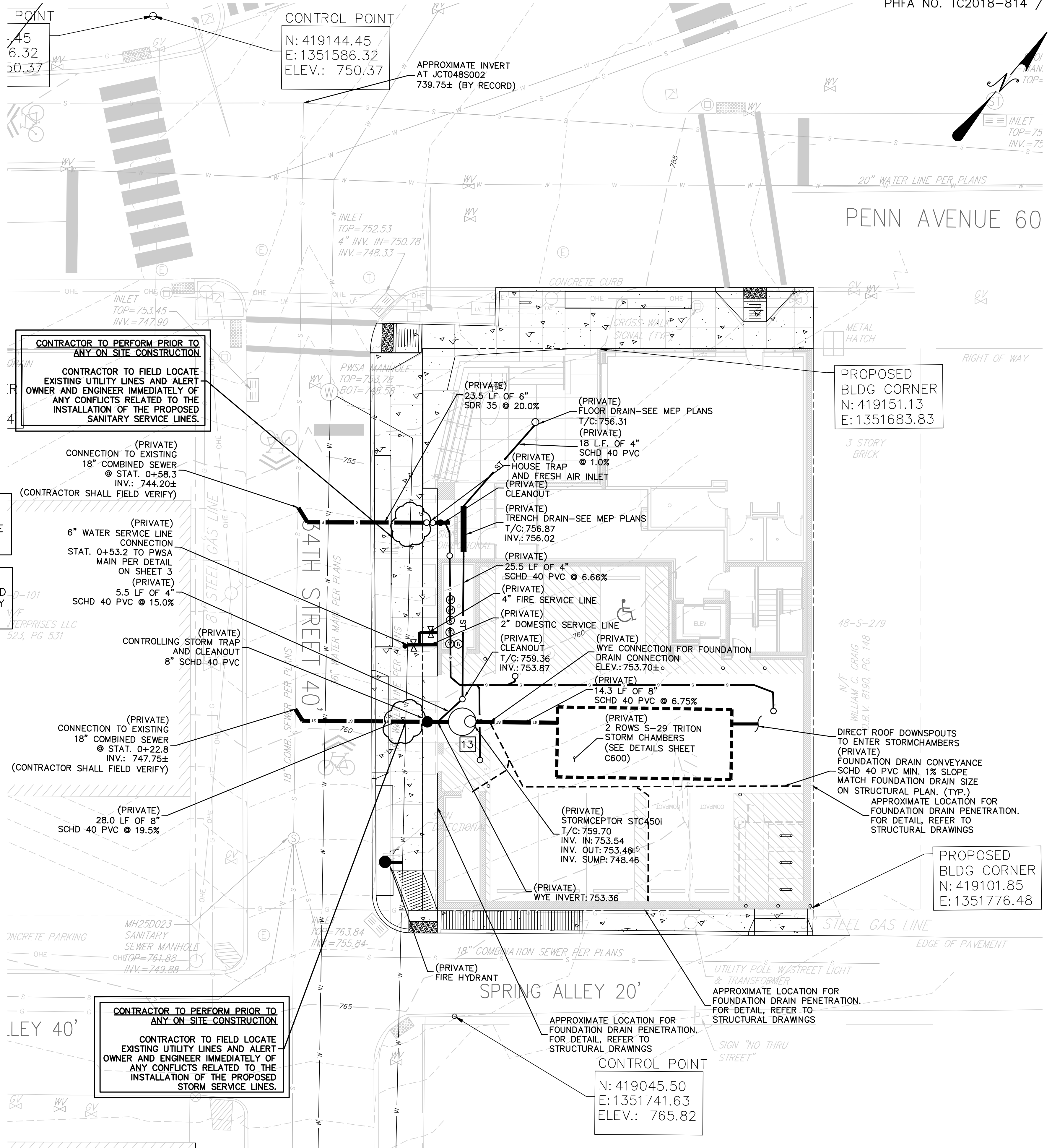
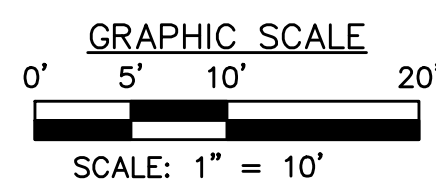
CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20182041808



THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2018). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

**LEGEND**

- |                                |                                 |
|--------------------------------|---------------------------------|
| SAN - SANITARY                 | G - GAS LINE                    |
| ST - STORM                     | W - WATER LINE                  |
| MH - MANHOLE                   | T - SUBSURFACE TELEPHONE LINE   |
| TOP - TOP OF CASTING           | E - SUBSURFACE ELECTRIC LINE    |
| INV - INVERT / FLOW LINE       | OH - OVERHEAD WIRES             |
| WV - WATER VALVE               | - - - 808 - - EXISTING CONTOURS |
| GV - GAS VALVE                 | --- --- EXISTING INLET          |
| GM - GAS METER                 | ○ - EXISTING MANHOLE            |
| EM - ELECTRIC METER            | === === EXISTING SEWER          |
| S.R. - STATE ROUTE             | -x-x-x- - FENCE                 |
| TELE - TELEPHONE               |                                 |
| ROP - REINFORCED CONCRETE PIPE |                                 |
| CPP - CORRUGATED PLASTIC PIPE  |                                 |



THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.

THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.

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DEPARTMENT OF PUBLIC WORKS	
REVIEWED BY:	
DATE:	



**UTILITY PLAN**  
prepared for  
**ACTION HOUSING, INC.**  
situated in  
**CITY OF PITTSBURGH, ALLEGHENY COUNTY, PENNSYLVANIA**

**207 34TH - DOUGHBODY AFFORDABLE LIVING**

DESIGNED BY: DCC  
REVIEWED BY: MMZ  
DRAWN BY: DCC  
DATE: 03.08.2019  
PROJ. NO: 1857.03

SCALE:  
1"=10'

DESIGNER:  
DESCRIPTION:  
DATE:  
REVISION BY:  
REVISION BY:  
DATE:  
REVISION BY:  
REVISION BY:  
DATE:  
REVISION BY:  
REVISION BY:  
DATE:

MORRIS KNOWLES & ASSOCIATES, INC.  
a Hammontree Company  
Professional Engineer  
William C. Craig  
No. 078197  
Delaware, PA 15256  
Telephone: (724) 489-4622  
Fax: (724) 489-4622  
www.morrisknowles.com  
info@morkknowles.com

PHFA NO. TC2018-814 / N-123

SHEET NO. C401

DWG. PATH: F:\Clients\1857 Action Housing\1857.03 Action Housing - Doughty Affordable Living\QAD\1857.03 ACTION Housing - Doughty Affordable Living E.dwg  
LAST SAVE: Jan 28, 2019 - 11:30am