



**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) Date _____
 DEP Southwest Regional Office
 400 Waterfront Drive
 Pittsburgh, PA 15222

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Jonathan C. Iams
(Name)
Principal for Hullett Properties
(Title) (Name)
 a subdivision, commercial, or industrial facility located in The 2nd Ward of the 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.

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

 Municipal Secretary (print)

 Signature

 Date

**HULLETT PROPERTIES
2554 SMALLMAN STREET**

**PITTSBURGH WATER AND SEWER
AUTHORITY**

Project Narrative and Calculations



Iams Consulting, LLC
ENGINEERING ENVIRONMENTS

Hulett Properties
Pittsburgh Water and Sewer Authority
Project Narrative and Calculations

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1.0 GENERAL INFORMATION

Land Development Project: 2554 Smallman Street

Ownership of Land Development Project: Hullett Properties

Type of Establishment: Residential

Number of Plumbing Fixtures: 26 – Residential Kitchen Sinks
26 – Residential Dishwashers
52 – Residential Water Closets
52 – Residential Lavatories
52 – Residential Bathtub/Showers
26 – Residential Washer Boxes
4 – Hose Bibs
1 – Mop Sink
16- Floor Drains

Occupancy of the Facility: Residential, Use Group R; Mercantile M

Applicant Information: Jonathan C. Iams
Iams Consulting, LLC.
333 East Carson Street
Suite 323
Pittsburgh, PA 15219

Additional Information:

The 2554 Smallman project consists of the demolition of the existing 1 story 5,800 ft² warehouse building on the property and the creation of a new multifamily condominium building. The new building shall be approximately 33,000 ft² of residential space, consisting of 1 studio; 11 1-bedroom; and 14 2-bedroom condos on Floors 2-5. The First Floor is open parking beneath the building with a small retail space.

2.0 SEWER SYSTEM CONNECTIONS AND FLOWS

2.1 Existing Sewers and Connections

2554 Smallman is presently served via a 6" combination sewer lateral which exits the building to Mulberry Way and ties into a 20" combination sewer in Mulberry Way.

2.2 Former Sewer Flows:

2.2.1 Former Sanitary Flows

2554 Smallman's former use was Use Group F. The following sewage flows have been calculated:

2537 Penn Avenue

Factory/Industrial (1 employee per 100 ft² = 58 employees @ 35 gpd/employee): 2,030 gpd
This does not include process waste.

HVAC Condensate Load: The building was not air-conditioned. 0 gpd

Total Estimate of Former Sanitary Sewer Flow 2,030 gpd

2.2.2 Former Storm Flows

The following represents an estimation of the existing storm water flows:

Building and Parking Lot:

The entire site is building/parking lot.

$Q=CIA$

$C=0.95$

$I=5.8$ in/hr for the 25-year storm)

$A=10,495/43,560=0.24095$ acres

$Q=1.3276$

Total Estimate of Former Storm Flow 1.3276 cfs

2.3 Proposed Sewer Flows:

2.3.1 Proposed Sanitary Flows

Based on the new usage of the building, the new sanitary flows shall be:

Residential: (1 – studio @ 150 gpd each)	150 gpd
Residential: (11 - 1 bedroom apartments @ 150 gpd each)	1,650 gpd
Residential: (14 – 2 bedroom apartments @ 300 gpd each)	4,200 gpd
Stores: (2 WC @ 400 gpd each; 2 Lavs @ 200 gpd each; 1 urinal 200 gpd each)	1,400 gpd

HVAC Condensate Load: 82 gpd

Total Estimate of New Sanitary Sewer Flow: 7,482 gpd

2.3.2 Proposed Storm Flows

The proposed storm flows are the same as the former sanitary flows as the entire site will remain impervious.

2.4 Reuse of Existing Sewers

We will reuse the existing 6" lateral to Mulberry Way for sanitary.

2.5 Summary of Sewers

We will reuse the existing 6" lateral to Mulberry Way for sanitary. We will separate the sanitary and storm within the building and install a new 8" lateral for storm into the existing 20" combination sewer within 5' feet of the main in Mulberry Way.

3.0 WATER SYSTEM CONNECTIONS AND FLOWS

3.1 Existing Water Lines and Connections

The existing building has a 1" water connection to a 6" water line in Mulberry Way.

3.2 Former Water Flows:

- From the sewer calculation completed above, minus the air-conditioning condensate load, we have determined the water flows to be as follows:

Total estimated former water Flow: 2,030 gpd
This does not include process water.

3.3 Proposed Water Flows:

Based on the new usage of the building, the new water flows shall be:

Residential: (1 – studio @ 150 gpd each)	150 gpd
Residential: (11 - 1 bedroom apartments @ 150 gpd each)	1,650 gpd
Residential: (14 – 2 bedroom apartments @ 300 gpd each)	4,200 gpd
Stores: (2 WC @ 400 gpd each; 2 Lavs @ 200 gpd each; 1 urinal 200 gpd each)	1,400 gpd

Total Estimate of New Water Flow: 7,400 gpd

3.4 Reuse of Existing Water Mains

We plan to terminate the existing water lines to the building.

3.5 Water Summary

We plan to terminate the existing water line to the building. We plan on installing a new 6" fire/water line to the building, which will split 6" fire and 3" domestic water.



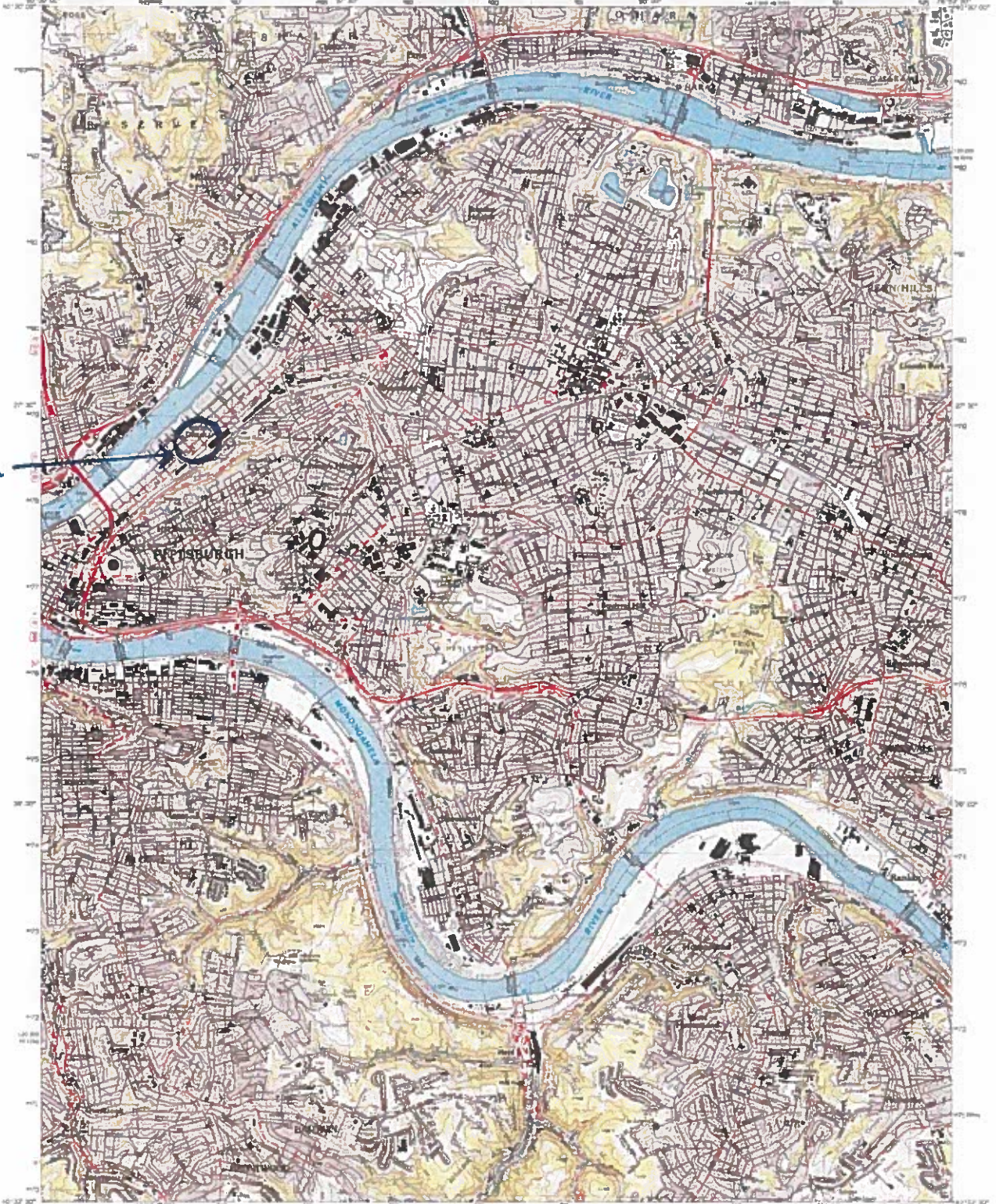
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY

PITTSBURGH EAST QUADRANGLE
PENNSYLVANIA-ALLEGHENY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

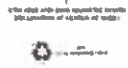
Project Location



Produced by the United States Geological Survey in cooperation with Pennsylvania Department of Conservation and Natural Resources, Bureau of Topographic and Geologic Survey. Street data merged from 1981 and other sources. Elevation data merged from 1981, 1987, and other sources. Elevation data merged from 1981, 1987, and other sources. Elevation data merged from 1981, 1987, and other sources.

North American Datum of 1983 (NAD 83). Elevation and 1988 datum used. Universal Transverse Mercator, zone 17. 200-meter index. Pennsylvania Coordinate System of 1983 datum used. North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The datum of the soft reference NAD 83 and NAD 83. The 1:250,000 scale map is available from National Geographic Society (NGS) website.

There may be some overlaps with the boundaries of the National Geographic Society's map.



SCALE 1:24,000
CONTOUR INTERVAL 10 FEET
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: NAD 83
PROJECTION: UTM
UNIT: METERS

ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or hard surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U.S. Route
	State Route

RECEIVED
JAN 1 2 2004
PITTSBURGH EAST, PA.
1997

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Type Archive





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 #
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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 Hullett Properties

2. Brief Project Description Hullett Properties is a residential conversion project. The current building is a 5,800 sf warehouse building. This building will be demolished and a new 33,000 sf multifamily residential building will be constructed. With first floor parking and retail space.

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
King	Barry			Deputy Director of Engineering
Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1
1200 Penn Avenue

Mailing Address Line 2
Suite 100

Address Last Line -- City
Pittsburgh

State ZIP+4
PA 15227-4681

Area Code + Phone + Ext.
412-255-2423

FAX (optional)

Email (optional)

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name
Hullett Properties

Site Location Line 1 2554 Smallman Street	Site Location Line 2
--	----------------------

Site Location Last Line -- City Pittsburgh	State PA	ZIP+4 15222-4681	Latitude 40.45	Longitude -79.985
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Detailed Written Directions to Site
The site is located on Smallman Street in Pittsburgh's Strip District next to the Allegheny River.

Description of Site
The site is 0.241 acres, and will consist of 33,000 square feet of residential space, parking, and retail space.

Site Contact (Developer/Owner)

Last Name Tyson	First Name Beverly	MI	Suffix	Phone 412-218-8100	Ext.
--------------------	-----------------------	----	--------	-----------------------	------

Site Contact Title Principal / Owner	Site Contact Firm (if none, leave blank) Hullett Properties
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FAX	Email btyson@hullettproperties.com
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Mailing Address Line 1 3945 Forbes Avenue	Mailing Address Line 2 #426
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Mailing Address Last Line -- City Pittsburgh	State PA	ZIP+4 15213
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D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name Iams	First Name Jonathan	MI C.	Suffix
-------------------	------------------------	----------	--------

Title Principal	Consulting Firm Name Iams Consulting
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Mailing Address Line 1 333 East Carson Street	Mailing Address Line 2 Suite 323
--	-------------------------------------

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

Email jjams@iamsconsulting.com	Area Code + Phone 412-697-3590	Ext.	Area Code + FAX 412-697-3591
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E. AVAILABILITY OF DRINKING WATER SUPPLY

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

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

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

Name of water company: Pittsburgh Water and Sewer Authority

F. PROJECT NARRATIVE (See Section F of instructions)

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

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

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter 93 (relating to wastewater treatment requirements).

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

- New collection system Pump Station Force Main
 Grinder pump(s) Extension to existing collection system Expansion of existing facility

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 14

Connections 1 storm; 1 sanitary

Name of:

existing collection or conveyance system PWSA - Mulberry Way

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 PA0025984

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 _____

Name of Responsible Agent _____

Agent Signature _____ Date _____

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

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

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____.

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

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

Name of Permittee Agency, Authority, Municipality _____

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

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

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

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

1. Project Flows 7,482 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	1,970,463	6,896,620	183,514	642,299	200,546	701,910
Conveyance		2.79 mgd	0.0245	0.0251 mgd	0.322 mgd	0.328 mgd
Treatment		250 mgd	194.8 mgd	250 mgd	194.8 mgd	250 mgd

3. Collection and Conveyance Facilities

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

- YES NO
- a. This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

- b. Collection System
- Name of Agency, Authority, Municipality PUSA
- Name of Responsible Agent Barry King
- Agent Signature [Signature] Date 5/21/2009

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN
Name of Responsible Agent Michael D. Lichtz
Agent Signature [Signature]
Date 7/3/19

4. Treatment Facility

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

YES NO

- 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 Michael D. Lichtz
Agent Signature [Signature]
Date 7/3/19

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.

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

c. Conveyance System

Name of Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

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 _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

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?

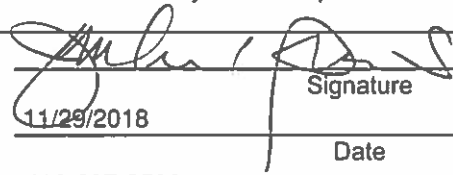
P. PUBLIC NOTIFICATION REQUIREMENT cont'd. (See Section P of instructions)

- 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.

Jonathan C. Iams
 Name (Print)
 Principal
 Title
 333 East Carson Street, Suite 323, Pittsburgh, PA 15219
 Address


 Signature
 11/29/2018
 Date
 412-697-3590
 Telephone Number

R. REVIEW FEE (See Section R of instructions)

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

- I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.
- I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$_____ payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania
 Deed Volume _____ Book Number _____
 Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

1. For a new collection system (with or without a Clean Streams Law Permit), a collection system extension, or individual tap-ins to an existing collection system use this formula.

$$\# \text{ _____ Lots (or EDUs) X } \$50.00 = \$ \text{ _____}$$

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:

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

- 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:

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$



DEP Code #.

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

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

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

Project Name
Hullelt Properties; 2554 Smallman Street

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

1. Date plan received by municipal planning agency 5-19-19
2. Date review completed by agency 5-17-19

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

SECTION C. AGENCY REVIEW (continued)

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

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

Name: Martina Battistone
 Title: SR. Environmental Planner
 Signature: *M. Battistone*
 Date: 5-17-19
 Name of Municipal Planning Agency: City of Pittsburgh DCP
 Address: 200 Ross St. 4th Floor Pittsburgh, PA 15219
 Telephone Number: (412) 255-2516

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

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

The planning agency must complete this component within 60 days.

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

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

May 17, 2019

Mr. Jonathan C. Iams P.E.
Iams Consulting, LLC
333 East Carson Street, Suite 323
Pittsburgh PA 15219

**RE: SEWAGE FACILITIES PLANNING MODULE; HULLETT PROPERTIES
CITY OF PITTSBURGH, ALLEGHENY COUNTY**

Dear Mr. Iams:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on May 16, 2019. The project proposes the following:

Project Description:	Hullett Properties, 2554 Smallman Street City of Pittsburgh. Proposed multi-family condominium containing 1 studio unit, 11 1-bedroom units, and 14 2-bedroom units on floors 2-5. The first floor is parking
Sewage Flow:	7482 GPD
Conveyance:	Sewage Flow: Existing combination 6" sewer lateral to be used for sanitary which ties in to 20" PWSA combination sewer on Mulberry Way. Conveyance then to ALCOSAN Interceptor and on to the ALCOSAN sewage treatment plant.
Sewer's Owner:	PWSA
Name of Sewage Treatment Plant:	ALCOSAN sewage treatment plant.

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, Ivo Miller, Plumbing Program Manager at 412-578-8393.



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





COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

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
Hullett Properties


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

1. Date plan received by county or joint-county health department. May 16, 2019

Agency name Allegheny County Health Department (ACHD)

2. Date review completed by agency May 17, 2019

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan? If no, what are the inconsistencies? _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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 _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Is there any known groundwater degradation in the area of the proposed subdivision? If yes, describe _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. The county or joint county health department recommendation concerning this proposed plan is as follows: <u>ACHD recommends approval. See attached letter.</u>
		5. Name, title and signature of person completing this section: Name: <u>Michael Scheer</u> Title: <u>Environmental Health Administrator II</u> Signature: <u></u> Date: <u>May 17, 2019</u> Name of County Health Department: <u>ACHD</u> Address: <u>3901 Penn Avenue, Building #5, Pittsburgh PA 15224-1318</u> Telephone Number: <u>412-578-8388</u>

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.

1. PROJECT INFORMATION

Project Name: **Hullett Properties, 2554 Smallman Street**

Date of Review: **11/30/2018 12:46:18 PM**

Project Category: **Development, Additions/maintenance to existing development facilities**

Project Area: **0.33 acres**

County(s): **Allegheny**

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

ZIP Code: **15222**

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

Watersheds HUC 8: **Lower Allegheny**

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

Decimal Degrees: **40.455222, -79.979326**

Degrees Minutes Seconds: **40° 27' 18.7986" N, 79° 58' 45.5719" 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	Conservation Measure	No Further Review Required, See Agency Comments

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

Hullett Properties, 2554 Smallman Street

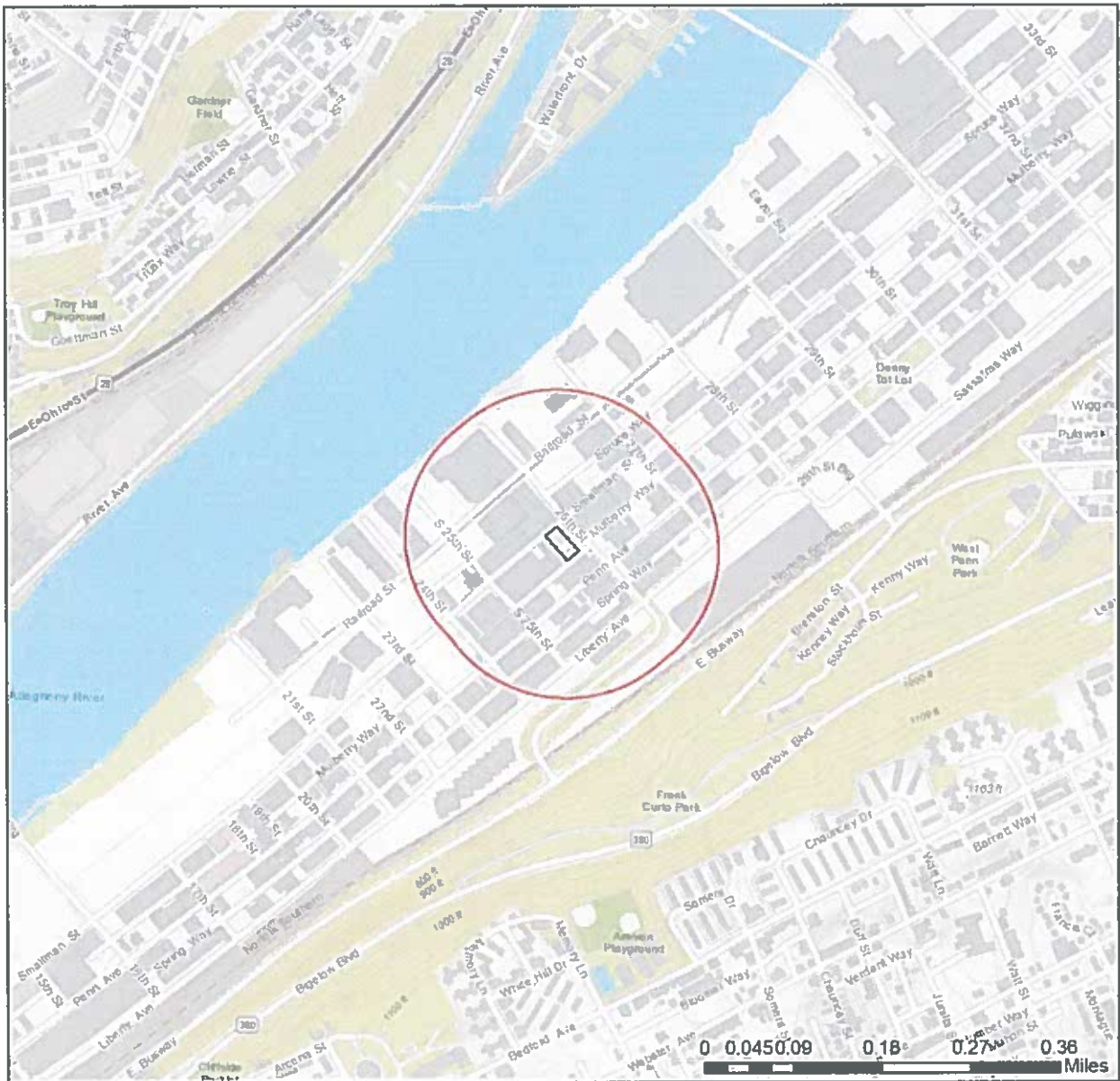


- Project Boundary
- Buffered Project Boundary



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

Hullett Properties, 2554 Smallman Street



- Project Boundary
- Buffered Project Boundary

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



RESPONSE TO QUESTION(S) ASKED

Q1: Select the statement below that accurately describes where the proposed project and project-associated activities will occur. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.).

Your answer is: All project activities will occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, or railroad bed.

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

Your answer is: All wastewater/effluent from this project/activity will be routed to an existing municipal wastewater treatment plant.

Q3: Select the statement below that accurately describes where the proposed project and project-associated activities will occur. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.).

Your answer is: All project activities will occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, or railroad bed.

3. AGENCY COMMENTS

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

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

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

4. DEP INFORMATION

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



5. ADDITIONAL INFORMATION

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

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

6. AGENCY CONTACT INFORMATION

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

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

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

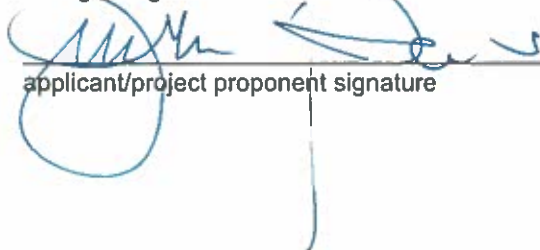
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

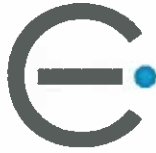
Name: Jonathan C. Iams
Company/Business Name: Iams Consulting
Address: 333 East Carson Street, Suite 323,
City, State, Zip: Pittsburgh, PA 15219
Phone: (412) 697-3590 Fax: (412) 697-3591
Email: gshaw@iamsconsulting.com

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

11/28/2018
date



Iams Consulting, LLC
ENGINEERING ENVIRONMENTS

ALTERNATIVE SEWAGE FACILITIES ANALYSIS

Hullett Properties

2554 Smallman Street

COMPONENT 3 PLANNING MODULE

1. The chosen disposal method for this project is Municipal Treatment (ALCOSAN) via a Municipal Sewer (owned by PWSA) located in Mulberry Way for which the existing property is presently tied into. The former sewage flow has been calculated as 2,030 gpd. The new sewage flow has been calculated as 7,482 gpd. The increase in flow is 5,452 gpd, which equates to the requested 13.6 EDU's.
2. The adjacent land uses include both residential and commercial structures on Smallman Street and Penn Avenue. The sewage disposal method is the municipal sewer for both land use types.
3. The sewage facilities described above are not in need of improvement in order to attain or maintain compliance with effluent limitations. They are sized adequately for the former, present and future sewage loads.
4. This property is presently served by the municipal sewers in the Municipality's Official Sewage Facilities Plan.
5. There is no existing sewage management program in the area or that this project would be required to participate in as it is tied into a public sewer.
6. There are presently no alternative sewage disposal methods that are available for this project.
7. The municipal sewer was chosen as the property is presently tied into the sewer and the sewer is capable of handling the proposed flow.
8. The property will remain tied into the Municipal Sewer.
9. See the attached Project Narrative and Calculations for additional information.

If you have questions or comments, please let me know.

Sincerely,

Jonathan C. Iams, P.E.

Iams Consulting, LLC
333 East Carson Street, Suite 323, Pittsburgh, PA 15219 | p. 412.697.3590 | f. 412.697.3591
www.iamconsulting.com



Iams Consulting, LLC
ENGINEERING ENVIRONMENTS

DRY WEATHER CALCULATIONS

Hullett Properties

2554 Smallman Street

COMPONENT 3 PLANNING MODULE

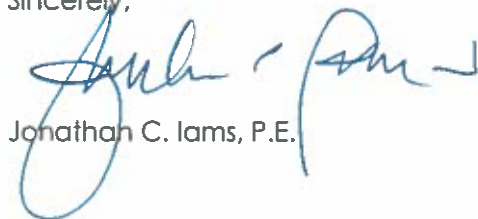
Iams Consulting LLC completed a dry weather test in accordance with the PWSA Manual for Developers, pages 2-16.

Manhole #: MH025N006

Sewer Configuration: 18" inlet straight through to 18" outlet.
Slope of Existing Sewer: 0.83 feet per 100 feet. (0.83% slope) Per PWSA Sewer Profile
Average Flow Depth: <1"; Minimum: <0.5 inches; Maximum <1.5";
Average Velocity: $v = \text{Square Root}(2gh)$; $g = 32.174 \text{ ft/s}$; $h = 0.83$ ----- $v = 7.30 \text{ ft/s}$
Average Flow: $\text{Flow} = a * v = (0.039 \text{ ft}^2) * (7.30 \text{ ft/s}) = 0.2847 \text{ ft}^3/\text{s} = 2.124 \text{ gps} = 0.127.44 \text{ gpm} = 7,646.4 \text{ gph}$ or 183,514 gpd.
Peak Flow: 3.5 times the average flow (183,514 gpd) = 642,299 gpd
Peak Design Flow: 18" Diameter Pipe at a slope of 0.83 ft per 100 feet
 $\text{Flow} = a * V = (1.76 \text{ ft}^2) * (7.30 \text{ ft/s}) = 12.84 \text{ ft}^3/\text{s} = 95.78 \text{ gps} = 5,747 \text{ gpm} = 344,831 \text{ gph} = 6,896,620 \text{ gpd}$.
Average Design Flow: $6,896,620 \text{ gpd} / 3.5 = 1,970,463 \text{ gpd}$.
Average Projected Flow: $183,514 \text{ gpd} + 7,482 \text{ gpd}$ (requested additional flow)
 $190,996 \text{ gpd} * 1.05 = 200,546 \text{ gpd}$
Peak Projected Flow: $200,546 \text{ gpd} * 3.5 = 701,910 \text{ gpd}$

If you have any questions, or comments, please let me know.

Sincerely,



Jonathan C. Iams, P.E.

To: Barry King *BCK*
From: Matt Smuts *MS*
Date: May 21, 2019
Subject: **DEP Sewage Planning Module – Section J. Chapter 94
Consistency Determination, Calculation Review for:
2554 Smallman Street**

Upon review of the submittal by Iams Consulting, LLC for the above referenced development I have determined that the projected flows are less than the design capacity of the PWSA sewers and, therefore the sewers should have adequate capacity for the proposed development.

DEP Sewage Planning Module		Date: 5/21/2019	
Section J. Chapter 94 Consistency Determination		Calculation Review	
PROJECT NAME: 2554 Properties		By: M. Smuts	
PROJECT FLOW: 7,482 gpd			
Formulas			
Manning Equation:			
$Q = (1.49/n) * A * R^{2/3} * S^{1/2}$		Q, flow, cfs	
$\Theta = 2 \arccos((r-d/r))$		n, roughness coefficient	
$A = r^2(\Theta - \sin \Theta)/2$		S, slope from PWSA records (ft/ft)	
$P_w = r * \Theta$		D, sewer diameter, ft	
$R_H = A/P_w$		d, depth of flow measured, ft, (SUBMITTED WITH REPORT)	
		Θ , central angle, radians	
		A, cross sectional area, ft ²	
		P_w , wetted perimeter, ft	
		R_H , hydraulic radius, ft	
SEWER PROPERTIES			
n=	0.014	D=	1.50 ft
S=	0.0083	Material:	VCP
DESIGN PEAK FLOW (FLOWING FULL)			
$Q_{FULL} =$	5,748,557 gpd	AVERAGE DESIGN FLOW	
D=	1.500 ft	(Average flow is design peak flow divided by peaking factor)	
r =	0.750 ft	$Q_{FULL}, avg =$	1,642,445 gpd
$\Theta =$	6.28 rad		
A=	1.77 ft ²		
$P_w =$	4.71 ft		
$R_H =$	0.375 ft		
Q=	8.91 cfs		
PRESENT AVERAGE FLOW			
$Q_{AVG} =$	34,562 gpd	PRESENT PEAK FLOW	
		(Peak flow is peaking factor times the present average flow)	



July 3, 2019

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Jonathan Iams, Inc.
Iams Consulting
333 East Carson Street, Suite 323
Pittsburgh, PA 15219

**Re: Hullett Properties, 2554 Smallman Street
Sewage Facilities Planning Module Component 3
ALCOSAN Regulator Structure A-18X**

Dear Mr. Iams:

We have reviewed the Component 3 Planning Module for the referenced project to be located in the City of Pittsburgh. The project will generate a peak flow of 7,482 gpd in the Allegheny River Interceptor System and the ALCOSAN Wastewater Treatment Plant.

The capacity at the ALCOSAN diversion structure A-18X is approximately 2.79 MGD. The peak dry weather flow is approximately 0.025 MGD. Dry weather capacity exists for this connection. However, the ALCOSAN Allegheny Interceptor and the 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. If you have any questions regarding this matter, please contact me at 412-732-8004.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Michael D. 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)

1 1/2 inch pipe sewer

or

Millerberry Alley

from

26th St. to Corner west of 25th St.

STILLBOLT

224 feet of 1 1/2 inch pipe with 20 feet manhole for 144 feet from
Millerberry Alley

10 feet of 1 1/2 inch curved pipe 20 ft. Radius

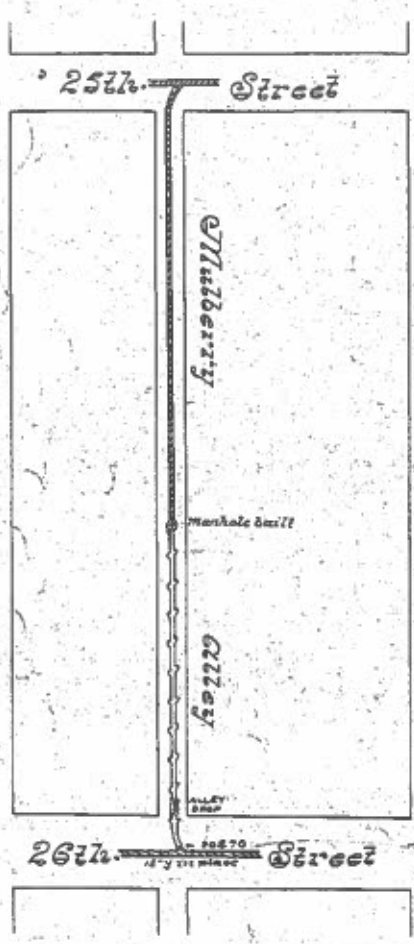
Contractor will be required to thoroughly examine
each and remove the remaining the same kind of
material as found on the ground and pay for same
material if necessary.



Profile of Sewer
excavated Mar. 30th 1915

STILLBOLT

Street



Pavement

Millerberry Alley

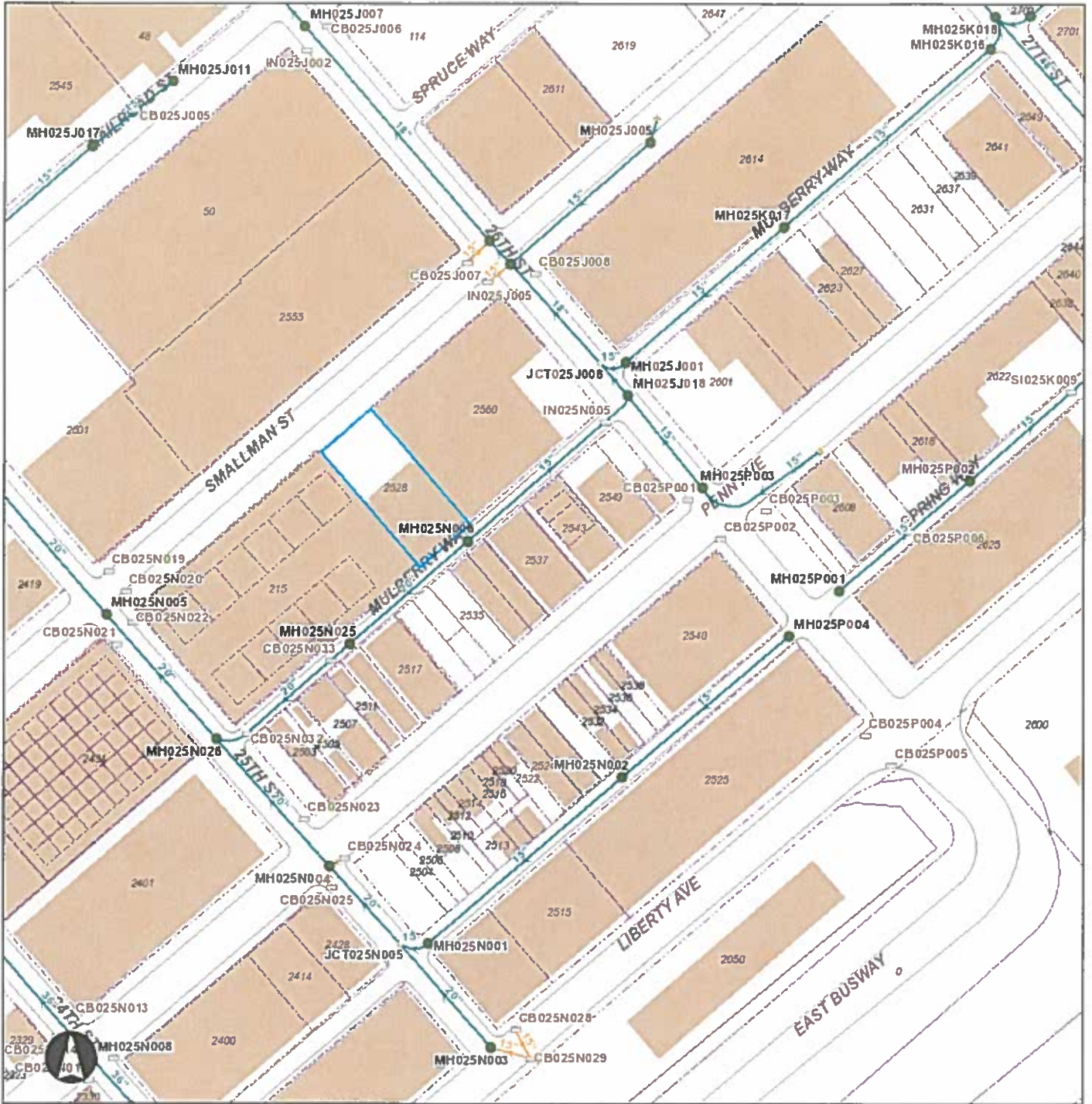
NEAS 11/12-EE 88

93-9-1-6

D-1195



2528 Smallman Street- Sewer



Legend

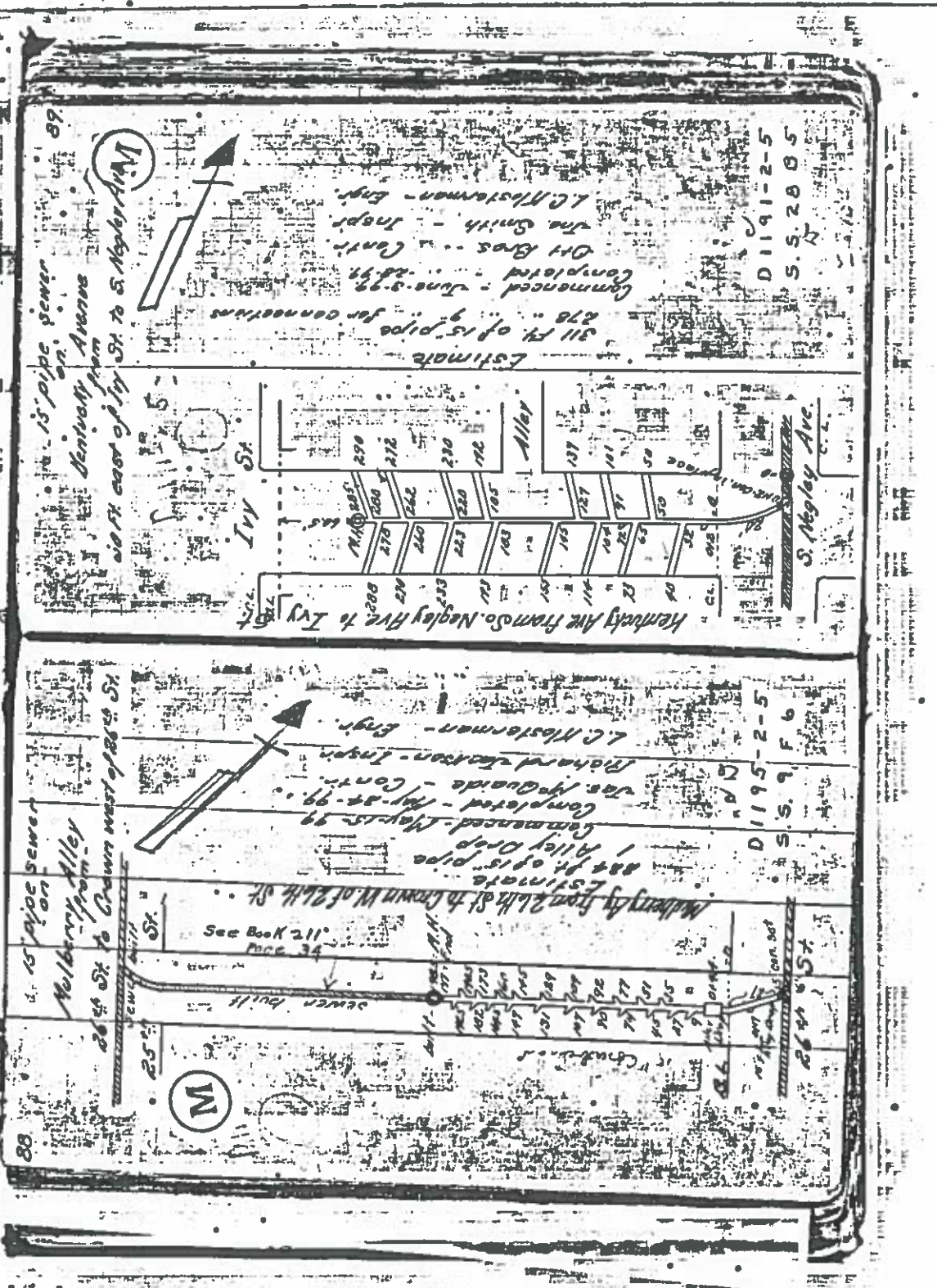
- | | | |
|----------------------------|----------------------|----------------------------|
| ● Meter | ○ Water Manhole | ■ Outfall |
| ⊠ Pump | — Rising Main | ✦ End Cap |
| ⊕ Hydrant | — Supply Main | ■ Sewer Pump Station |
| ⊕ Hydrant - Out of Service | — Transmission Main | — Combined Sewer |
|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



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: 2/21/2019

SEWER NOTEBOOK NO. 132



88

15' pipe sewer on Kentucky Ave from Frisco to Ivy St



311 ft. of 15" pipe for connections
 Completed - June 2-99
 Off Bros. - Contr.
 The Smith - Insp.
 L.C. Hosterman - Engr.

D1191-2-5
 S.S. 2005

89

15' pipe sewer on Melberry from Alley to Crown west of 26th St



Estimate
 884 ft. of 15" pipe
 1 Alley Drop
 Completed - May 15-99
 Jas. McGuire - Contr.
 Richard Jackson - Insp.
 L.C. Hosterman - Engr.

D1195-2-5
 S.S. 1906

M

Jake
 412-255 8800 x 2871
 Bishop P