

SEWAGE PLANNING MODULE

ASD – New Elementary School

Prepared by:

**BARRY ISETT & ASSOCIATES INC.
85 S Route 100
Allentown, PA 18106**

**Project No. 1003117.100
December 2017**

SEWAGE PLANNING MODULE

ASD – New Elementary School

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1.0 PADEP Letter/Municipal Checklist

Date 11/30/2017

Name BARRY ISETT & ASSOCIATES, INC.

Address 85 SOUTH ROUTE 100
ALLENTOWN, PA 18106

RE: Planning Module for New Land Development

Subdivision ASD - NEW ELEMENTARY SCHOOL

INSTITUTIONAL

CITY OF ALLENTOWN, LEHIGH County

DEP Code No: 2-39001203-3

Dear:

In response to your postcard application, enclosed are the applicable planning modules required for the proposed development. Please submit the completed planning module and supporting information to the municipality(ies) in which the project is located. The Department must receive 3 copies. Please answer all questions. Do Not answer "N/A" or "Not Applicable". If you find a question does not apply, explain all reasons to support that answer.

A copy of the letter MUST be attached to the planning module when resubmitted through the municipality to the Department. This letter is to be used as a completion checklist and guide to completing the planning modules and does not supersede the rules and regulations found in Chapter 71. The municipality must submit the complete module package to the Department, (see end of letter for certification statement).

Effective December 15, 1995 Act 149 required the Department to assess planning module review fees. This fee is based on the type of development and total equivalent dwelling units proposed. The applicant will be billed upon Department approval or denial of the project.

If you are applying for a planning module exemption for this project, the exemption was not granted for the following reason(s):

<u>Materials required</u>	<u>Municipal Checklist</u>	<u>DEP Completeness Review</u>
<u>X</u>	Department cover/Checklist letter	_____
<u>X</u>	Transmittal letter, completed and signed by the Municipal Secretary.	_____
<u>X</u>	Resolution of Adoption completed and signed by the Municipal Secretary and containing the municipal seal.	_____
_____	Component 2-Follow attached guidance.	_____
<u>X</u>	Component 3-Follow attached guidance.	_____
_____	Component 3s-Follow attached guidance.	_____
<u>X</u>	Component 4a-Municipal Planning Agency Review	_____
<u>X</u>	Component 4b-County Planning Agency Review	_____
_____	Potential Impact(s) has occurred based on your search of the PA Natural Diversity Inventory. These issues must be resolved with each agency before the Department's review of Planning Modules can occur.	_____
_____	Sewage management program as per 25 Pa. Code Subsection 71.72	_____
_____	Hydrogeologic Study – Analysis of interbasin transfer of water between a Special Protection watershed into a Non-Special Protection watershed.	_____
_____	Delaware River Basin Commission Notice of Applications Received (NAR) for projects with sewage flows exceeding 10,000 GPD.	_____
_____	Preliminary hydrogeology	_____
_____	Permeability testing, to be determined at site testing	_____
_____	Detailed hydrogeologic study	_____

_____	_____	Socio-economic justification	_____
_____	_____	If the project is located in a Special Protection Watershed, please submit an Antidegradation Analysis meeting the Requirement of Chapter 93.4(b), 93.4(a) and 93.4c(b)(2)	_____

In all cases, address the immediate and long range sewage disposal needs of the proposal and comply with 25 Pa. Code, Chapter 71, Subchapter C relating to New Land Development Plan Revisions.

Please note that the Department will return the planning module package if an incomplete revision is submitted.

Sincerely,

Robert T. Corby, Jr.

Robert T. Corby, Jr.
Sewage Planning Specialist
Clean Water Program

CERTIFICATION STATEMENT

I certify that this submittal is complete and includes all requested items. Failure to submit a complete module package will result in return of package.

Municipal Address _____

Municipal Telephone Number _____

Signed: _____, Municipal Secretary

List below any individuals and address that should be copied if the planning module is returned to the municipality (if address is not provided, no copy will be sent):

_____	_____
_____	_____

2.0 Letter of Transmittal



TRANSMITTAL LETTER FOR SEWAGE FACILITIES PLANNING MODULE

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE # 2-39001203-3	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)
PA Department of Environmental Protection
4530 Bath Pike
Bethlehem, PA 18017-9074

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by _____ (Name)

_____ for ASD - New Elementary School
(Title) (Name)

a subdivision, commercial, or industrial facility located in City of Allentown _____

Lehigh _____ 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

3.0 Resolution for Plan Revision for New Development

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) of City of Allentown
(TOWNSHIP) (BOROUGH) (CITY), Lehigh COUNTY, PENNSYLVANIA (hereinafter "the municipality").

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

WHEREAS Allentown School District has proposed the development of a parcel of land identified as
land developer

ASD - New Elementary School, and described in the attached Sewage Facilities Planning Module, and
name of subdivision

proposes that such subdivision be served by: (check all that apply), ☒ sewer tap-ins, ☐ sewer extension, ☐ new treatment facility, ☐ individual onlot systems, ☐ community onlot systems, ☐ spray irrigation, ☐ retaining tanks, ☐ other, (please specify). _____

WHEREAS, The City of Allentown finds that the subdivision described in the attached
municipality

Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

NOW, THEREFORE, BE IT RESOLVED that the (Supervisors) (Commissioners) (Councilmen) of the (Township) (Borough) (City) of Allentown hereby adopt and submit to DEP for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module which is attached hereto.

I _____, Secretary, _____
(Signature)

Township Board of Supervisors (Borough Council) (City Councilmen), hereby certify that the foregoing is a true copy of the Township (Borough) (City) Resolution # _____, adopted, _____, 20_____.

Municipal Address:

Telephone _____

Seal of
Governing Body

4.0 Sewage Facilities Planning Module Component 3



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 #
2-39001203-3				

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 ASD - New Elementary School

2. Brief Project Description This project includes the development of a new elementary school for the Allentown School District.

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

Municipality Name	County	City	Boro	Twp
City of Allentown	Lehigh	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Stewart	Douglas		Mr	Director of Planning & Zoning
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
435 Hamilton Street				
Address Last Line -- City	State	ZIP+4		
Allentown	PA	18101		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
610-437-7611		Douglas.Stewart@allentownpa.gov		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

ASD - New Elementary School

Site Location Line 1

1227 W. Gordon St

Site Location Line 2

Site Location Last Line -- City

Allentown

State

PA

ZIP+4

18102

Latitude

Longitude

Detailed Written Directions to Site The site is in the City of Allentown, Lehigh County Pennsylvania; and is bounded by Gordon Street on the South, North 13th Street to the West and North 12th Street to the East.

Description of Site The site is currently three lots that are being consolidated to be one lot. The current site is used for storage and has an abandoned business on one lot.

Site Contact (Developer/Owner)

Last Name

Smith

First Name

Thomas

MI

Suffix

Mr

Phone

484-765-4980

Ext.

4983

Site Contact Title

Director - ASD Facilities Services

Site Contact Firm (if none, leave blank)

FAX

Email

smithto@allentownsd.org

Mailing Address Line 1

1301 Sumner Avenue

Mailing Address Line 2

Mailing Address Last Line -- City

Allentown

State

PA

ZIP+4

18102

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

Last Name

Myers

First Name

Charles

MI

Suffix

L

Title

Operations Manager - Municipal

Consulting Firm Name

Barry Isett & Associates, Inc.

Mailing Address Line 1

85 S Route 100

Mailing Address Line 2

Address Last Line -- City

Allentown

State

PA

ZIP+4

18106

Country

USA

Email

cmyers@barryisett.com

Area Code + Phone

484-866-4852

Ext.

Area Code + FAX

610-481-9098

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: City of Allentown

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 4

Connections 1

Name of:

existing collection or conveyance system City of Allentown Sewer System

owner ~~Lehigh County Authority~~ City of Allentown

existing interceptor Jordan Creek Interceptor

owner City of Allentown

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 City of Allentown Wastewater Treatment Plant (Klines Island)

NPDES Permit Number for existing facility ~~PA0063665~~ PA0026000

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 Kline's Island WWTP (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 City of Allentown, Lehigh County Authority,

Name of Responsible Agent Liesel M. Gross Agent

Agent Signature Liesel M. Gross Date 2/12/2018

(Also see Section I. 4(i))

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. | j. Any designated recreational or open space area. |
| b. Lot lines and lot sizes. | k. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping. |
| c. Adjacent lots. | l. Flood plains or Flood prone areas, floodways, (Federal Flood Insurance Mapping) |
| d. Remainder of tract. | m. Prime Agricultural Land. |
| 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. | n. Any other facilities (pipelines, power lines, etc.) |
| f. Show tap-in or extension to the point of connection to existing collection system (if applicable). | o. Orientation to north. |
| g. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.) | p. Locations of all site testing activities (soil profile test pits, slope measurements, permeability test sites, background sampling, etc. (if applicable). |
| h. Existing and proposed rights-of-way. | q. Soils types and boundaries when a land based system is proposed. |
| i. Existing and proposed buildings, streets, roadways, access roads, etc. | 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 1950 _____ 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) <i>M&D</i>		b. Present Flows <i>M&D</i> (gpd)		c. Projected Flows in 5 years (gpd) <i>M&D</i> (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	2,34	9.35	0.32	0.86	0.33	0.87
Conveyance	58	81	30	78 ⁽¹⁾	31	80 ⁽¹⁾
Treatment	40	52	32.3	40	33.4	42

3. Collection and Conveyance Facilities

(1) PEAK HOURLY FLOW - ESTIMATED

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 City of Allentown, Lehigh County Authority

Name of Responsible Agent Liesel M. Gross *Agent*

Agent Signature *Liesel M. Gross* Date 2/12/2018

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

c. Conveyance System

Name of Agency, Authority, Municipality City of Allentown, Lehigh County Authority,
Name of Responsible Agent Liesel M. Gross Agent
Agent Signature [Signature]
Date 2/12/2018

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 City of Allentown, Lehigh County Authority,
Name of Responsible Agent Liesel M. Gross Agent
Agent Signature [Signature]
Date 2/12/2018

☐ **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.

Charles Myers

Name (Print)

Operations Manager-Municipal

Title

85 S Route 100, Allentown, PA 18106

Address

Signature

February 16, 2018

Date

484-8664852

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 \$250.00 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.

$$\#5 \quad \text{Lots (or EDUs) X \$50.00 = \$ 250.00}$$

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:

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

to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
- For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
- For non-single family residential projects, EDUs are calculated using projected population figures

- C. A sub-surface discharge system that requires a permit under The Clean Streams Law will use a flat fee:

\$ 1,500 per submittal (non-municipal)
\$ 500 per submittal (municipal)

5.0 City of Allentown Component 4A



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

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

Background

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

Who Should Complete the Component?

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

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

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

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

Section A. Project Name

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

Section B. Review Schedule

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

Section C. Agency Review

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

Section D. Additional Comments

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



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:
2-39001203-3

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

ASD - New Elementary School

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

1. Date plan received by municipal planning agency 7/12/2018
2. Date review completed by agency 8/2/2018

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

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)? |
| <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**

13. Is this proposal consistent with the ordinance?

If no, describe the inconsistencies _____



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

If no, describe the inconsistencies _____



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

If yes, describe _____



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

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

If no, describe the inconsistencies _____

NO RESIDUAL TRACT

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

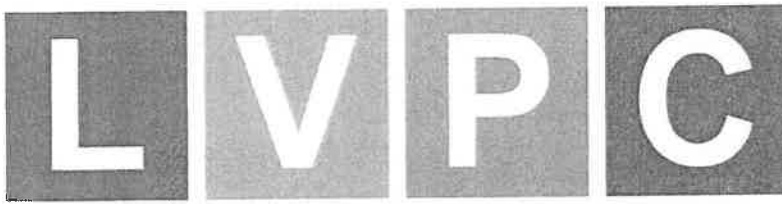
Name: DAVID KIMMERLYTitle: CHIEF PLANNERSignature: David KimmerlyDate: 8/2/2018Name of Municipal Planning Agency: CITY OF ALLENTOWNAddress 435 HAMILTON ST. ALLENTOWN, PA 18101Telephone Number: 610-437-7613**SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)**

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.

6.0 Lehigh County Component 4B



Lehigh Valley Planning Commission

STEPHEN REPASCH
Chair

JOHN DIACOGIANNIS
Vice Chair

STEVEN GLICKMAN
Treasurer

BECKY A. BRADLEY, AICP
Executive Director

July 9, 2018

Mr. Charles L. Myers, PE
Barry Isett & Associates Inc.
85 South Route 100
Allentown, PA 18106

**Re: Act 537 Review - Sewage Facilities Planning Module for the Allentown
Elementary School in the City of Allentown, Lehigh County, DEP Code
No. 2-39001203-3**

Dear Mr. Myers:

The Lehigh Valley Planning Commission (LVPC) reviewed the above-referenced planning module pursuant to the requirements of Act 537, the Pennsylvania Sewage Facilities Act. We offer the following comments.

This sewage facilities planning module is intended for a proposed new 114,056 square foot elementary school on approximately three acres. The development is proposed to be served by public sewage disposal. This planning module is consistent with the County Comprehensive Plan. According to the county plan, the proposed subdivision is located in an area recommended for public sewer service.

Enclosed please find an executed Module Component 4b. Please call me if you have any questions regarding this review.

Sincerely,

Susan L. Rockwell
Senior Environmental Planner

Enclosure

cc: Douglas Stewart, Director of Planning and Zoning, City of Allentown
Robert Corby, PA Department of Environmental Protection



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

DEP Code #

2.39001203-3

SEWAGE FACILITIES PLANNING MODULE
COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW
(or Planning Agency with Areawide Jurisdiction)

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning package and one copy of this **Planning Agency Review Component** should be sent to the existing county planning agency or planning agency with areawide jurisdiction for their comments.

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

Project Name

Allentown Elementary School

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

1. Date plan received by county planning agency. ----
2. Date plan received by planning agency with areawide jurisdiction July 5, 2018
Agency name Lehigh Valley Planning Commission
3. Date review completed by agency July 9, 2018

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

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 <i>et seq.</i>)? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use? <i>See attached Act 242 review letter dated 1/30/18</i> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Does this proposal meet the goals and objectives of the plan?
If no, describe goals and objectives that are not met ---- |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe inconsistency ---- |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?
If no, describe inconsistencies: ---- |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impact ---- |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Will any known historical or archeological resources be impacted by this project? <i>PHMC determination</i>
If yes, describe impacts ---- |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Will any known endangered or threatened species of plant or animal be impacted by the development project? <i>See PNDI results</i> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Is there a county or areawide zoning ordinance? |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Does this proposal meet the zoning requirements of the ordinance? <i>N/A</i>
If no, describe inconsistencies ---- |

Yes	No	SECTION C. AGENCY REVIEW (continued)
<input type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained? <i>N/A</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Is there a county or areawide subdivision and land development ordinance? <i>Not applicable to City of Allentown</i>
<input type="checkbox"/>	<input type="checkbox"/>	13. Does this proposal meet the requirements of the ordinance? <i>N/A</i> If no, describe which requirements are not met ----
<input type="checkbox"/>	<input type="checkbox"/>	14. Is this proposal consistent with the municipal Act 537 Official Sewage Facilities Plan? <i>See municipal interpretation</i> If no, describe inconsistency ----
<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 type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision? <i>N/A</i>
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances. If no, describe the inconsistencies ----
<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. Does the county have a stormwater management plan as required by the Stormwater Management Act?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	If yes, will this project plan require the implementation of storm water management measures?
18. Name, Title and signature of person completing this section:		
Name: <u>Susan L. Rockwell</u>		
Title: <u>Senior Environmental Planner</u> Signature: <u><i>S. L. Rockwell</i></u>		
Date: <u>July 9, 2018</u>		
Name of County or Areawide Planning Agency: <u>Lehigh Valley Planning Commission</u>		
Address: <u>961 Marcon Blvd, Suite 310, Allentown PA 18109</u>		
Telephone Number: <u>610-264-4544</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.		

7.0 Supporting Documentation



Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

August 2, 2018

Barry Isett & Associates, Inc.
Attn: Adam Smith
85 S. Route 100
Allentown, PA 18106

Re: ER 2018-2037-077-A – DE: Allentown School District – New Elementary School,
1201-1251 W. Gordon Street, City of Allentown

Dear Mr. Smith:

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Historic Resources

The properties listed below, listed in or eligible for the National Register of Historic Places, are located near the project area. In our opinion, the activity described in your proposal will have no effect on such resources. Should the scope and/or nature of the project activities change, the PA SHPO should be contacted immediately.

**Resource Name: Liberty St. & Linden St., Old Allentown Historic District
(Key # 111897); Allentown City Historic District (Key # 140524)**

Archaeological Resources

Based on our files and the information provided, it is our opinion that there are no archaeological resources present. Should new information be brought to your attention regarding historic properties located within the project area of potential effect, please notify the PA SHPO at (717) 783-8947 for reconsideration of the project.

Sincerely,

Douglas C. McLearn, Chief
Division of Environmental Review

7.1 Project Narrative

Project Narrative:

The proposed site is currently composed of three tracts with a total area of ±3.02-acres. The site is currently largely abandoned, with an abandoned business and open storage on the lots. The site is in the City of Allentown, Lehigh County Pennsylvania; and is bounded by Gordon Street on the South, North 13th Street to the West and North 12th Street to the East. The Allentown School District (ASD) is proposing to consolidate these parent tracts into one parcel, for a New Elementary School.

The site will be served by public water and sewer service through the City of Allentown water and sewer systems.

7.2 Sewage Alternatives Analysis

Alternate Sewer Facilities Analysis:

The Allentown School District – new Elementary School consists of three lots, which are being consolidated into one lot for the New Elementary School. The School is projected to have a projected usage/sewer load of approximately 1,950 gpd (11.1 Allentown EDUs, and 4.9 PA DEP EDUs). The chosen sewage disposal method for this site is to convey the sewage to the existing City of Allentown Sewer System.

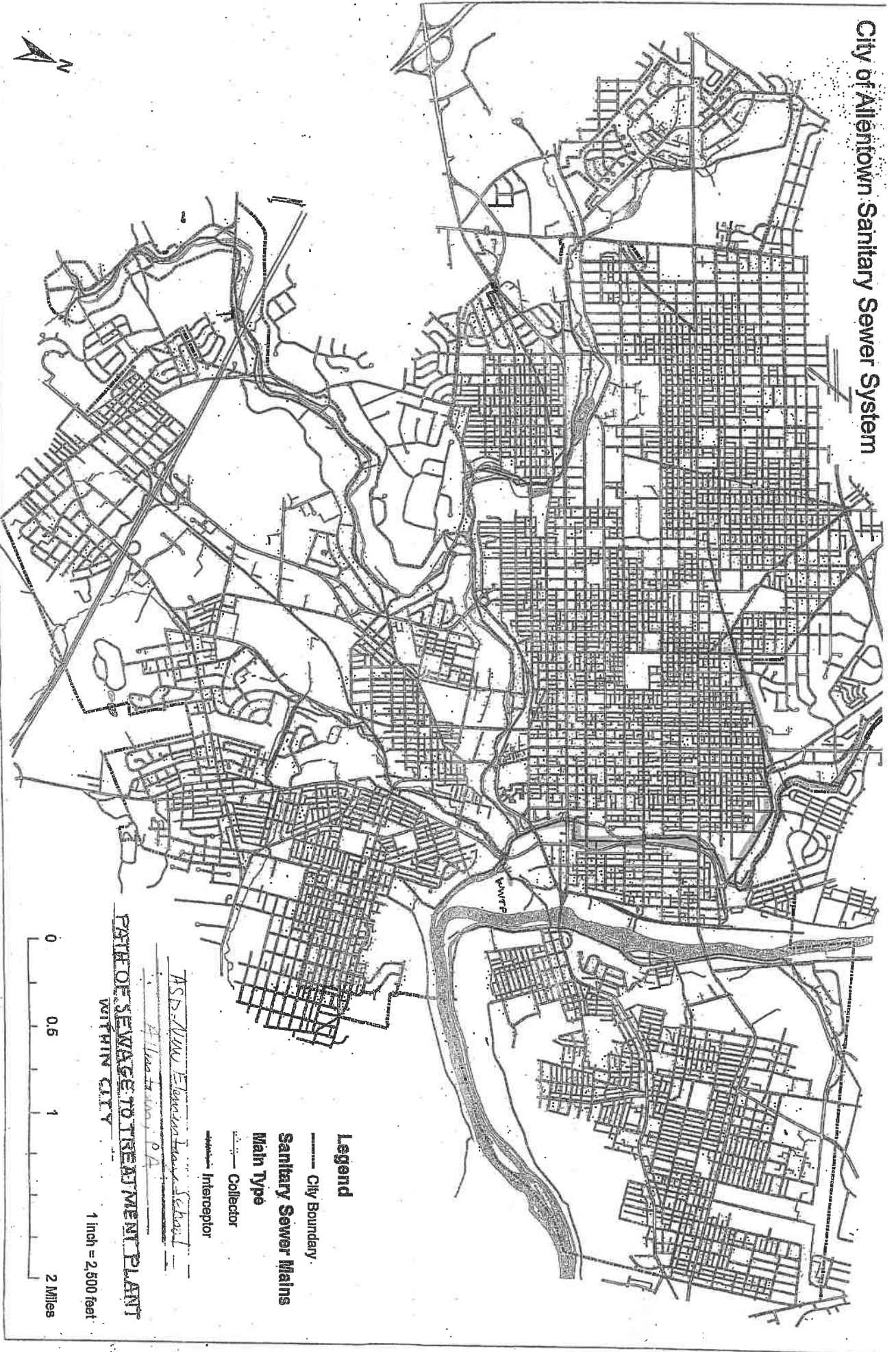
With the availability of existing sewer treatment that is not at capacity it is most reasonable to send the sewage from this development to the Allentown Sewer System for treatment and disposal. This disposal method also provides for the best long-term reliability for the treatment and disposal of the sewage from the development.

Flow Calculation:

Total Proposed School Population:	1016 Students and Staff
EDU per person (Allentown Ordinance)	0.0109 EDU
Flow per EDU (Allentown Ordinance)	175.5 gpd/EDU
Calculated City of Allentown EDUs	11.1 EDUs
Calculated Flow (Allentown Ordinance)	1950 gpd
Calculated PADEP EDUs (400 gpd/EDU)	4.9 EDUs

7.3 Location Map

City of Allentown Sanitary Sewer System



7.4 PNDI Receipt

1. PROJECT INFORMATION

Project Name: **ASD School**

Date of Review: **10/17/2017 11:36:19 AM**

Project Category: **Development, New public/community development (school, library, church, museum)**

Project Area: **5.46 acres**

County(s): **Lehigh**

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

ZIP Code: **18102**

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

Watersheds HUC 8: **Lehigh**

Watersheds HUC 12: **Lower Jordan Creek**

Decimal Degrees: **40.605126, -75.485642**

Degrees Minutes Seconds: **40° 36' 18.4538" N, 75° 29' 8.3128" 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

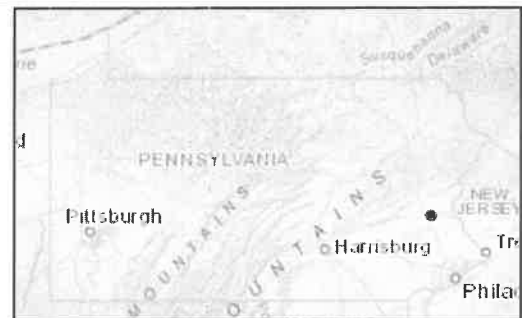
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with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

ASD School



- ☐ Project Boundary
- ☐ Buffered Project Boundary

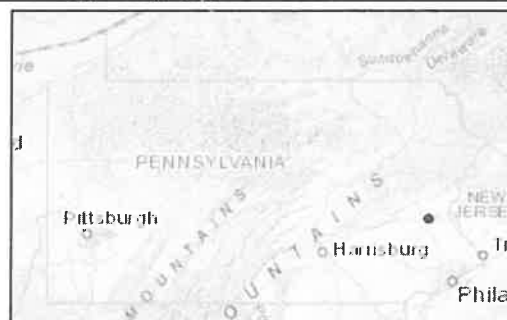
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, DeLorme, MapmyIndia,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



[illegible]

- ☐ 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



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). 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: Adam Smith
Company/Business Name: Barry Isett & Associates
Address: 85 South Route 100
City, State, Zip: Allentown, PA 18106
Phone: (610) 398-0904 Fax: (610) 481-9098
Email: asmith@barryisett.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

date

7.5 Plot Plan



7.6 Water & Sewer Connection Permit



Lehigh County Authority

CONSTRUCTION PERMIT

Applicant: Allentown School District (David Wildonger)

Permit No.: 18-05

Address: 31 S. Penn Street

Telephone No.: 484-765-400

Allentown, PA

Description and Location of the Work ("Improvement"):

Contractor will be conducting line abandonment work at the lot that was consolidated into 1227 West Gordon Street. All disused water and sewer laterals on the site along with any unknown laterals that are found during construction must be properly abandoned. Abandoned water laterals must be abandoned at the main. If the corporations do not shut off correctly and are leaking or deemed necessary by the inspector, the contractor is fully responsible to install and purchase an approved capsulation device. The abandoned sewer laterals may be abandoned by trenchless sport repair at the main or can be cut and capped at the main. LCA needs one week notice before the work is to be done so that we can arrange for an inspector to be on site. The contractor is responsible for site restoration and any other permits that may be needed for this job.

Water Tap – LCA personnel will perform an 8" water tap on the 8" main at West Gordon Street for the connection to the newly built elementary school on the property. The contractor will prepare the site so the ditch is ready for when the LCA tap crew arrives. It is the contractor's responsibility to finish all pipe work after the tap, restore the area, provide traffic control and acquire any other permits that may be needed. All backfill in the street must be 2A modified. LCA will need to have an inspector on site to view the construction up until the curb stop. Provide LCA with one week notice to schedule our tap crew and the inspector.

Sewer Tap – The contractor will tap the 12" sewer main on North 13th Street and the 8" sewer main on North 12th Street. From there all lateral piping will be completed by the contractor. LCA must have an inspector on site at the time the sewer main is tapped. Provide LCA with one week notice prior to when the tap is to take place so that we may schedule our inspector.

See the attached documents for reference in regards to connection to the public water and sewer system. The contractor will need to provide LCA with a Certificate of Insurance that matches the limits in the attached document.

TERMS AND CONDITIONS

1. Applicant agrees to construct said Improvement in accordance with the applicable Lehigh County Authority ("Authority") policies and regulations, including the current General Specifications for Water System and Sanitary Sewer Construction.

This work shall be subject to equipment and material approval and inspection by the Authority.
2. Applicant agrees to pay for all administrative, legal and engineering costs incurred by the Authority related to the Improvement, and to deposit with the Authority the sums of (1) \$1,000 for plan review and inspection at the time this application is completed.
3. Applicant agrees to be responsible for, and repair or pay for the repair of, any damages or disturbances to the Authority's facilities resulting from or arising out of constructing the Improvement.
4. Upon acceptance of the Improvement by the Authority, the Improvement shall become the property of the Authority.
5. Applicant agrees to warrant the Improvement for an 18-month period from the date of acceptance by the Authority.
6. Applicant may not assign this Permit without the express written consent of the Authority.
7. Applicant agrees to indemnify and hold harmless the Authority, its employees, agents and officials (hereinafter together the "Authority"), from any and all liability arising directly or indirectly out of all activities associated with this Improvement. This indemnification shall include, without limitation, payment of all attorney fees and incidental litigation expenses in the event the Authority is sued upon a claim related to or supposedly related to the Improvement, whether or not the Authority is held liable. Applicant shall not, however, be liable for any portion of a judgment ultimately determined to be the result of the negligence of the Authority.
8. When Applicant desires to construct an Improvement to provide service from Authority facilities, an application for service must be made and the applicable connection fees paid to the Authority, in accordance with the established rates and charges of the Authority.

Applicant hereby accepts the terms and conditions of the Construction Permit:

Applicant

Approved for Lehigh County Authority

Application Date

Effective Date

June 14, 2018

6/13/18

Lehigh County Authority, PO Box 3348, Allentown, PA 18106-0348 (610) 398-2503

Lea will supply & install tapping sleeve, and
valve. Valve box with lid will be left on job site.



LEHIGH COUNTY AUTHORITY

* pipe Ductile Iron ANSI A21.51 (ASTM C-151)
double cement lined & tar coated with push on
joints, class 52.
Field lock gaskets required (2) after each joint

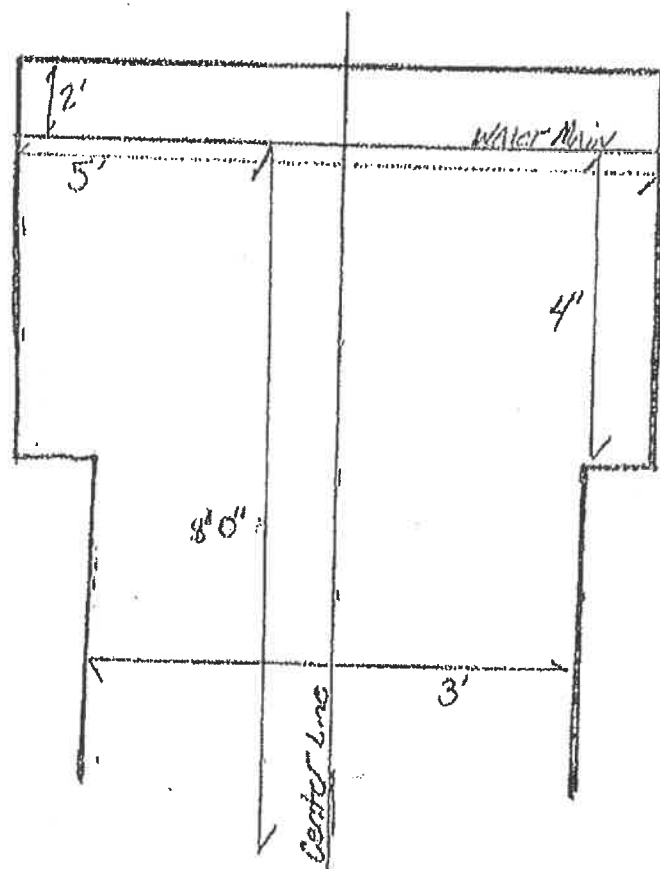
1053 SPRUCE STREET • P.O. BOX 3348 • ALLENTOWN, PA 18106-0348

610-398-2503 • FAX 610-398-8413

email: service@lehighcountyauthority.org

DIMENSIONS FOR TAPPING SLEEVE & VALVE

ALLENTOWN DIVISION



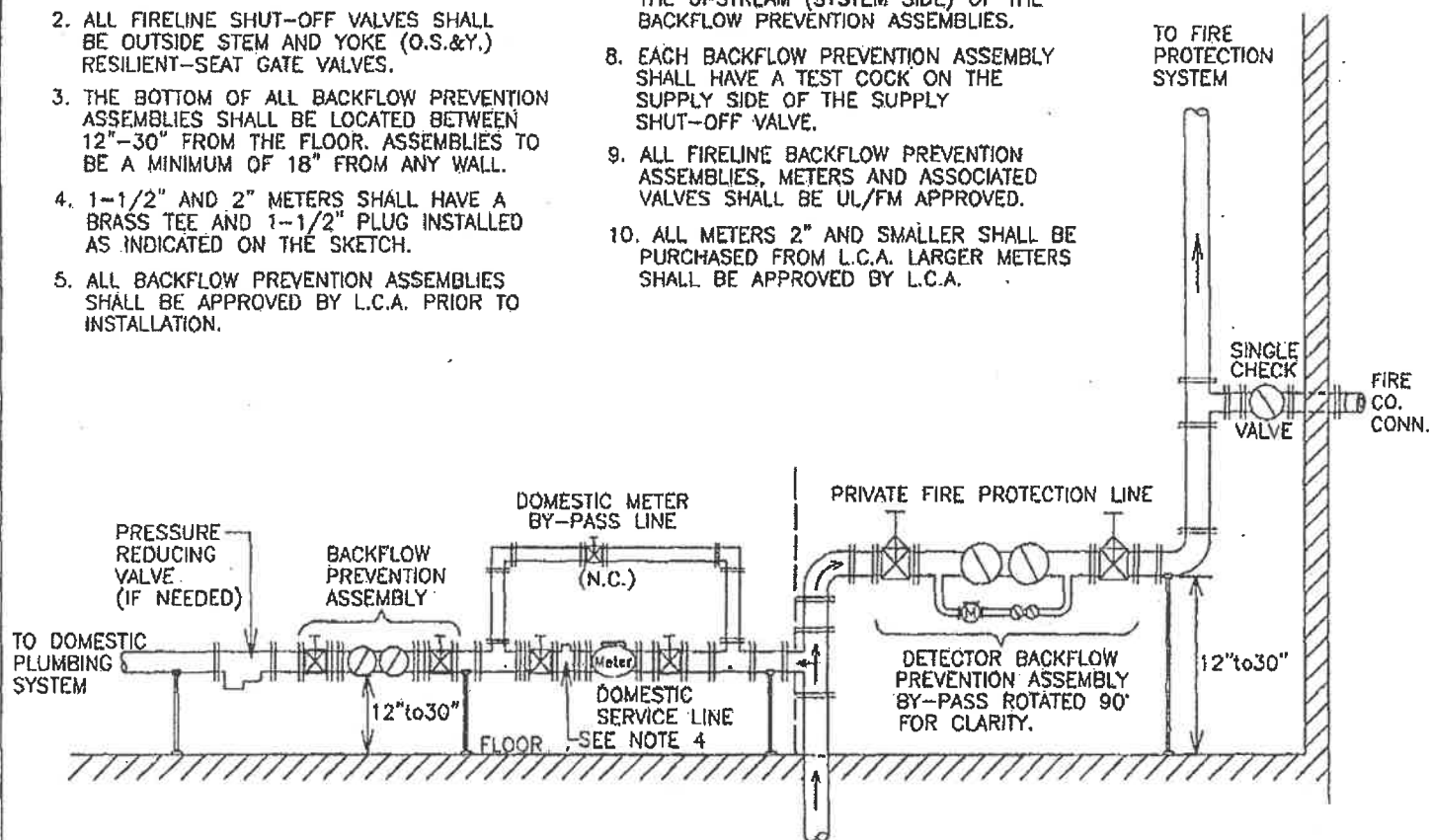
STAINLESS STEEL TAPPING SLEEVE WITH IRON GATE VALVE ATTACHED. OUTLET SIDE MECHANICAL
JOINT. TAP PERFORMED BY ALLENTOWN WATER DISTRIBUTION / COLLECTIONS UNIT.

1242 MARTIN LUTHER KING JR. DRIVE, ALLENTOWN, PENNSYLVANIA 610-487-7646

Every drop matters. Every customer counts.

NOTES:

1. ALL SHUT-OFF VALVES MUST BE FULL-PORT BALL VALVES OR RESILIENT-SEAT GATE VALVES.
2. ALL FIRELINE SHUT-OFF VALVES SHALL BE OUTSIDE STEM AND YOKE (O.S.&Y.) RESILIENT-SEAT GATE VALVES.
3. THE BOTTOM OF ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE LOCATED BETWEEN 12"-30" FROM THE FLOOR. ASSEMBLIES TO BE A MINIMUM OF 18" FROM ANY WALL.
4. 1-1/2" AND 2" METERS SHALL HAVE A BRASS TEE AND 1-1/2" PLUG INSTALLED AS INDICATED ON THE SKETCH.
5. ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE APPROVED BY L.C.A. PRIOR TO INSTALLATION.
6. METER BY-PASS LINE IS REQUIRED FOR METERS 1-1/2" AND LARGER.
7. NO CONNECTIONS SHALL BE MADE TO THE UPSTREAM (SYSTEM SIDE) OF THE BACKFLOW PREVENTION ASSEMBLIES.
8. EACH BACKFLOW PREVENTION ASSEMBLY SHALL HAVE A TEST COCK ON THE SUPPLY SIDE OF THE SUPPLY SHUT-OFF VALVE.
9. ALL FIRELINE BACKFLOW PREVENTION ASSEMBLIES, METERS AND ASSOCIATED VALVES SHALL BE UL/FM APPROVED.
10. ALL METERS 2" AND SMALLER SHALL BE PURCHASED FROM L.C.A. LARGER METERS SHALL BE APPROVED BY L.C.A.

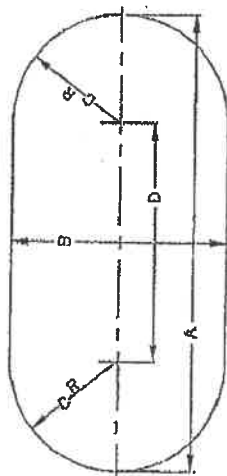


NOT TO SCALE
SAMPLE INSTALLATION SKETCH-
DOMESTIC SERVICE LINE &
PRIVATE FIRE PROTECTION LINE

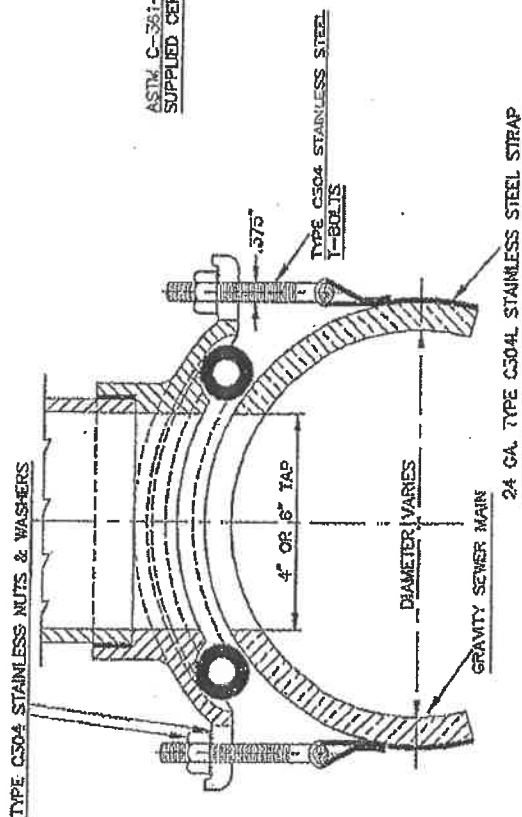
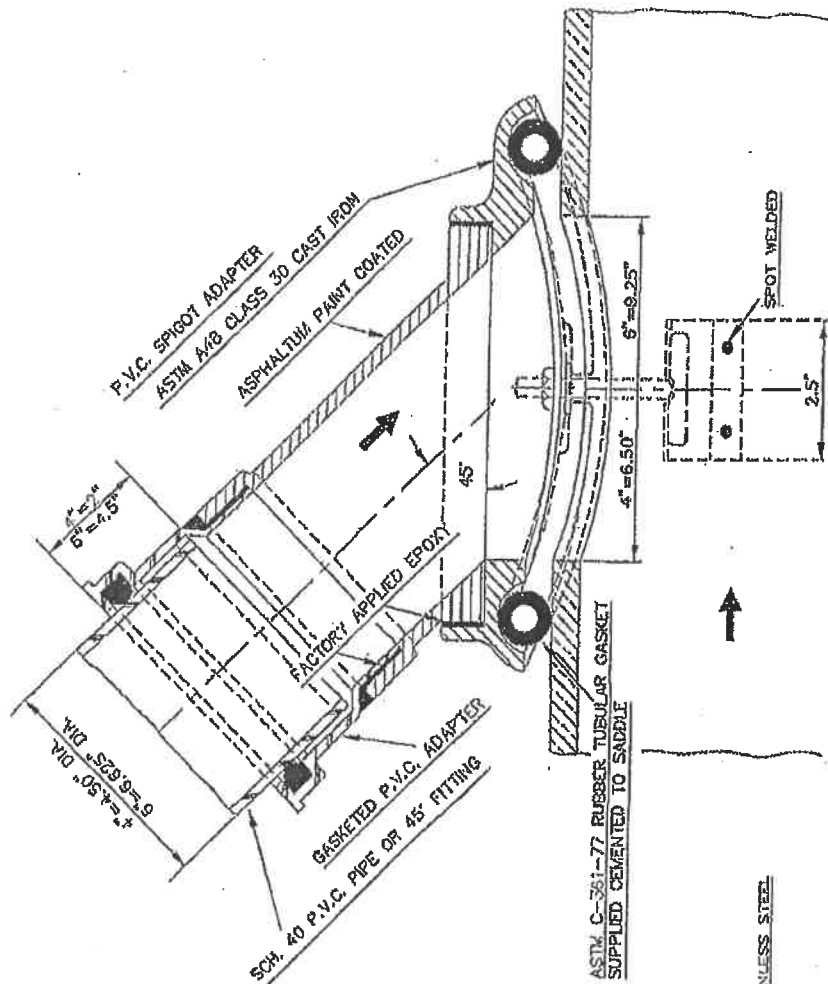
LEHIGH COUNTY AUTHORITY
P. O. BOX 3348
1053 SPRUCE STREET
ALLENTOWN, PA. 18106.

OWN. BY: C. R. D.	CHKD. BY: P. B.	APPR. BY: M. A. B.	REV. DATE: 9/23/2004
DWG. NO.			DATE DWG.: 1/3/94

SADDLE TAP DIMENSIONS



SIZE	A	B	C	D
4" INLET	6.50"	4"	2"	2.50"
6" INLET	9.25"	6"	3"	3.25"



NOTES :

- 1) SADDLE DETAIL FOR USE WITH SCH 40 P.V.C. PIPE LATERAL
- 2) MANUFACTURER - GENECO - GENERAL ENGINEERING CO.
- 3) GENECO SEALTITE TYPE MODEL "E40"
- 4) SEE NOTES ON CITY STANDARD NO. 43A SADDLE ALIGNMENT INFORMATION

STANDARD # 51A

CITY OF ALLENTOWN, PA
DEPT. OF PUBLIC WORKS
BUREAU OF ENGINEERING

WYE SEWER PIPE SADDLE FOR SCH 40 P.V.C. LATERALS

DATE	SCALE	DR. BY	DEPT. DIR.-CITY ENG.-NEAL KERN
7-94	NONE	J.L.M.	UTILITY ENG.- RICHARD RASCH

Insurance Policy Coverage Limits

Developer/contractor shall name Lehigh County Authority (Authority) as an additional insured on its liability insurance policies with minimum insurance policy coverage limits as follows:

- (a) General Liability, Bodily Injury, and Property Damage combined, with Explosion, Collapse, Underground Damage, & Blasting (XCU) coverage to be included - \$1,000,000 each occurrence, \$1,000,000 aggregate;
- (b) Automobile Liability, Bodily Injury and Property Damage combined - \$1,000,000 each occurrence;
- (c) Blanket Excess Liability - \$1,000,000 each occurrence, \$1,000,000 aggregate; and
- (d) Worker's Compensation - as required by law.

The insurance policy coverage in (a), (b) and (c) above shall be with insurers which have at least a "B+" operating and "Class VIII" financial rating as listed in "Best's Key Rating Guide," latest edition. Workers' Compensation coverage shall be through the State Workmen's Insurance Fund, or in any insurance company, or mutual association or company, authorized to insure such liability in Pennsylvania. Insurance coverage shall be primary coverage; be of an "occurrence" basis and not a "claims-made" basis; remain in full force and effect until final acceptance of the improvements by the Authority; and the insurance policy or policies shall contain a provision that the Authority be given at least ten (10) days prior written notice of any intention to cancel or otherwise terminate such policy or policies. The original Certificate(s) of Insurance shall be provided to the Authority.

