

5072 Ritter Rd Suite 102 Mechanicsburg, PA 17055 T: 717-975-6481 F: 717-975-6480

www.pennoni.com

January 2, 2024

AEDCX17001

Michael Hanlon Clerk of City Council Allentown City Hall 435 Hamilton Street Allentown, PA 18101-1699

RE: Planning Module DEP CODE No. 2-39001276-3 Allentown Metal Works Project

Dear Mr. Hanlon:

On behalf of Allentown Economic Development Corporation, Pennoni is hereby submitting a Planning Module Component 3 for the above referced project in accordance with the checklist letter we received on April 7, 2022.

If you have any questions related to our review comments, please feel free to contact me at (717) 620-5948.

Sincerely,

PENNONI ASSOCIATES, INC.

James Illigash, PLA, LEED AP BD+C

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CITY OF ALLENTOWN LEHIGH COUNTY, PENNSYLVANIA

SEWAGE FACILITIES PLANNING MODULE

COMPONENT 3

FOR

ALLENTOWN METAL WORKS PROJECT

Project Location Allentown, Pa 606 South 10th Street Allentown, PA 17319

July 19, 2022

Prepared by:

PENNONI ASSOCIATES INC. 5072 Ritter Road, Suite 102 Mechanicsburg, PA 17055 www.Pennoni.com

Job No. AEDCX17001

SEWAGE FACILITIES PLANNING MODULE COMPONENT ALLENTOWN, PA

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1. TRANSMITTAL LETTER

Name AEDC Address 905 HAMILTON ST. ALLENTOWN, PA 18103

DEP Code No: 2-3900/276-3

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 <u>MUST</u> 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 <u>municipality must</u> submit the completed 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):

10 M 10 M	Municipal <u>Checklist</u>		DEP Completeness <u>Review</u>
\nearrow		Department cover/Checklist letter	
X		Transmittal letter, completed and signed by the Municipal Secretary.	
K		Resolution of Adoption completed and signed by Municipal Sectetary and containing the municip	y the al seal
		Component 2-Follow attached guidance.	
\mathcal{A}		Component 3-Follow attached guidance.	
		Component 3s-Follow attached guidance.	<u> </u>
<u> </u>	i0:	Component 4a-Municipal Planning Agency Rev	iew
<u> </u>	A	Component 4b-County Planning Agency Revie	w
		Potential Impact(s) has occurred based on your of the PA Natural Diversity Inventory. These is must be resolved with each agency before the Department's review of Planning Modules can	SUES
		Sewage management program as per 25 Pa. Co Subsection 71.72	de
	5	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	
	18	Permeablity testing, to be determined at site testing	
	1 <u></u>	Detailed hydrogeologic study	

<u>1</u>	<u>encennss</u>		Completeness Review
× ^>		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. Corlyd.

Robert 1. Corby, Jr. Sewage Planning Specialist Clean Water Program

CERTIFICATION STATEMENT

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

Municipal Address

Aunicipal Telephone Number

Signed:_____. Municipal Secretary

and a second state of the second state of the

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

PROTECTION

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

Completeness Checklist

The individual completing the component should use the checklist below to assure that all items are included in the module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist.

Sewage Collection and Treatment Facilities

- X Name and Address of land development project.
- U.S.G.S. 7.5 minute topographic map with development area plotted.
- X Project Narrative.
- Etter from water company (if applicable).
- X Alternative Analysis Narrative.
- Details of chosen financial assurance method.
- Proof of Public Notification (if applicable).
- X Name of existing collection and conveyance facilities.
- X Name and NPDES number of existing treatment facility to serve proposed development.
- I Plot plan of project with required information.
- X Total sewage flows to facilities table.
- Signature of existing collection and/or conveyance Chapter 94 report preparer.
- Signature of existing treatment facility Chapter 94 report preparer.
- X Letter granting allocation to project (if applicable).
- Signature acknowledging False Swearing Statement.
- Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- Information on selected treatment and disposal option.
- Permeability information (if applicable).
- Preliminary hydrogeology (if applicable).
- Detailed hydrogeology (if applicable).

Municipal Action

- Component 3 (Sewage Collection and Treatment Facilities).
- Component 4 (Planning Agency Comments and Responses).
- Proof of Public Notification.
- Long-term operation and maintenance option selection.
- Comments, and responses to comments generated by public notification.
- Transmittal Letter

Synature of Municipal Official Date submittal determined complete



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

TRANSMITTAL LETTER FOR SEWAGE FACILITIES PLANNING MODULE

		DEP	ARTMENT OF E	NVIRONMENTAL PROTE	CTION (DEI	P) USE C	ONLY	
DEP	CODE	# CLIEN	T ID #	SITE ID #		APS ID)#	AUTH. ID #
Nor 2 Pu	theas	g Agency (DEP or d t Regional Office Square arre, PA18711-0790		agency)			Date	
Dear Sir/M	ladar	n:						
		r, Pennoni Associat	-	es planning module pr for <u>A</u>			Vorks	E. (Name)
a subdivis	ion, c	<i>(Title)</i> commercial ,or indus	trial facility loc	ated in <u>City of Allento</u>	wn		(Name)	
		(City, Boroug	h Tourshin)				Count	y.
☐ (i) ☐ (ii)	prop Plan with OR The land	osed revision), and is adopted the requirements of planning module w] supplement d for submissi 25 <i>Pa. Code</i> ill not be appl	for new land develop on to DEP [] transmi Chapter 71 and the <i>F</i> oved by the municip	oment to itted to the <i>Pennsylva</i> ality as a	its Offic e deleg nia Sev propos	cial Sewage F lated LA for ap wage Facilities sed revision o	the municipality as a facilities Plan (Official pproval in accordance a <i>Act</i> (35 P.S. §750), r supplement for new able for the reason(s)
	Che	ck Boxes						
		the planning mode	ule as prepar		/ the app	licant.	Attached he	nay have an effect on ereto is the scope of
		ordinances, officia	ly adopted co	omprehensive plans a	and/or en	vironm	ental plans (e	sed by other laws or .g., zoning, land use, or plans are attached
		Other (attach addit	ional sheet giv	ving specifics).				
Municipal approving		-	low by check	ing appropriate boxe	s which o	compor	nents are beii	ng transmitted to the
Modul 2 Individ	e Cor lual a	of Adoption npleteness Checklist nd Community Onlot Sewage		e Collection/Treatment F low Treatment Facilities		X 4B □ 4C	County Plannin	ning Agency Review g Agency Review Health Department

2. RESOLUTION FOR PLAN REVISION



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) of <u>Allentown</u> (TOWNSHIP) (BOROUGH) (CITY), <u>Lehigh</u> 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 <u>Allentown Economic Development Corporation</u> has proposed the development of a parcel of land identified as land developer

Allentwon Metal Works _____, 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, 🗌 nev	v
treatment facility, 🗋 individual onlot systems, 🗋 community onlot systems, 🗋 spray irrigation, 🗋 retaining tanks, 🗌]
other, (please specify)	

WHEREAS, 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 <u>Allentown</u> 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:		
		Seal of
	Gove	erning Body
Telephone		



LEHIGH COUNTY AUTHORITY 1053 SPRUCE ROAD * P.O. BOX 3348 * ALLENTOWN, PA 18106-0348 610-398-2503 * FAX 610-398-8413 * www.lehighcountyauthority.org email: service@lehighcountyauthority.org

August 1, 2022

Mr. Robert Gates Planning Director City of Allentown 435 Hamilton Street Allentown, PA 18101

SUBJECT: Land Development – 606 S 10th St – Allentown Metal Works Project Will Serve - Sewer Service

Dear Mr. Gates:

Lehigh County Authority (LCA) is willing to provide public sewer service in the requested amount of 3,570 GPD to the proposed Allentown Metal Works project located at 606 S 10th Street. The final GPD total will be reflected on the approved DEP sewer planning module.

LCA has capacity at this time to provide sewer service in our collection system and at the city wastewater treatment plant for this development.

Tapping fees will be based upon the City of Allentown's ordinances and LCA's schedule of rate fees.

Sewer service is conditioned upon the following:

- 1. The developer obtaining approval of a PA-DEP Sewage Facilities Planning Module.
- 2. LCA approval of the site and plumbing plans.
- 3. Developer obtaining any road opening permits from the municipality and/or PA-DOT to construct the sewer mains and/or services.
- 4. Developer executing a Developer's Sewer System Agreement or a Construction Permit with LCA for construction of the sewer mains and/or services.
- 5. Developer installation of the sewer system in accordance with the approved plans and applicable LCA policies and regulations, including the current General Specifications for Sewer System Construction.
- 6. Developer compliance with the terms and conditions of LCA's Rules and Regulations for Sewer Service, including completion of an Application for Sewer Service and payment of applicable fees and charges in its Schedule of Wastewater Rates & Charges. Tapping fees shall be paid to LCA prior to building permits being provided by the City.

Sincerely,

gaeol Hansuber

Jacob Hunsicker Capital Works Project Specialist

cc: William Rudy, PE - Pennoni

3. COMPONENT 3

4. OTHER REQUIREMENTS - COMPONENT 4



1053 Spruce Road * P.O. Box 3348 * Allentown, PA 18106-0348 (610) 398-2503 * FAX (610) 398-8413 * Email: service@lehighcountyauthority.org

LETTER OF TRANSMITTAL

Date: September 21, 2022

- To: Brandon Jones City of Allentown 435 Hamilton Street Allentown, PA 18101
- Re: Allentown Metal Works 606 South 10th Street Allentown, Lehigh County, PA

No. of <u>Copies</u>	Date	Description
1	9/21/22	Completed Sewer Planning Module
1	9/21/22	Plan Showing Path of Sewage to WWTP
1	9/21/22	Appendix A Cover Letter

X	As Requested	Approved
	For Your Information	 Approved As Noted
	For Your Comments	 Revise And Resubmit
	For Action By You	 For Your Files

Comments:

. .

LCA has completed the Sewer Planning Module for the subject property. The hard copy will be sent to you in the mail. Please contact me if you have any questions.

From: Jacob Hunsicker cc: Scott Novatnak, DEP (via email) Robert Corby, DEP (via email) Craig Messinger, COA (via email) Mark Hartney, COA (via email) Jesse Sadua, COA (via email) Phil DePoe, LCA (via email) Liesel Gross, LCA (via email) William Rudy, Pennoni (via email)



1053 SPRUCE ROAD * P.O. BOX 3348 * ALLENTOWN, PA 18106-0348 610-398-2503 * FAX 610-398-8413 * www.lehighcountyauthority.org email: service@lehighcountyauthority.org

September 20, 2022

Brandon Jones Associate Planner City of Allentown 435 Hamilton Street Allentown, PA 18101

RE: Allentown Metal Works – 606 South 10th Street, City of Allentown Sewer Module - Chapter 94 Consistency Determination – Appendix A

Dear Mr. Jones,

This letter and approval for the attached Sewage Facilities Planning Module is based on the current estimate of available wastewater capacity. This letter does not promise, guarantee or assure any future conveyance or treatment allocation without compliance with all applicable rules and regulations, payment of all necessary fees and availability of the respective allocation at that time.

In accordance with the Interim Act 537 Plan submitted by the Kline's Island Sewer System (KISS) municipalities to the Pa. Department of Environmental Protection and approved on June 25, 2021, an amount equal to the property or development's wastewater flow will be allocated from the Connection Management Plan at the time of approval of the Sewage Facilities Planning Module. This property or development's wastewater flow need, as represented in the attached Sewage Planning Module, is 3,570 gallons per day. Therefore, the Connection Management Plan balance will be adjusted as follows:

2020 Connection Management Plan Allocation (all numbers in gallons per day)	1,500,000
2021-2025 Connection Management Plan Allocation	3,117,129
Previously allocated from prior planning module submissions (since 1/17/20)	-1,538,444
This submission	-3,570
Remaining Allocation in KISS Connection Management Plan (as of 9/20/22)	3,075,115

Please contact me if you have any questions about this information.

Sincerelv el M. Gross

Chief Executive Officer

cc: Scott Novatnak, DEP Robert Corby, DEP Craig Messinger, COA Mark Hartney, COA Jesse Sadua, COA Phil DePoe, LCA William Rudy, Pennoni 3800-FM-BPNPSM0353 Rev. 2/2015 Form



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

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

	C	EP USE ONLY		
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #
			1	

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 Allentown Metal Works

2. Brief Project Description Redevelopment of the property located at 606 south 10th street. Including the rehabilitation of 3 buildings and building demolition of existing building, associated parking and reletated site improvements

Municipality Name	County	Cit	y	В	oro	Twp
Allentown	Lehigh]			
Municipality Contact Individual - Last Name	First Name	Γ	MI -	Suffix	Title	
Unger	Scott				Executi	ive Director
Additional Individual Last Name	First Name	Ν	۸I	Suffix	Title	
Municipality Mailing Address Line 1		Mailing Address Line	e 2			
905 Harrison Street						
Address Last Line City		State		ZIP+4	•	
Allentown		PA		18103	}	
Area Code + Phone + Ext.	FAX (optional)	E	mail	(optional)		
(610)435-8890		SI	inde	r@allentow	/nedc.con	n

C. SITE INFORMATION (See Section C of instructions) Site (Land Development or Project) Name Allentown Metal Works Site Location Line 1 Site Location Line 2 606 South 10th Street Site Location Last Line -- City State ZIP+4 Latitude Longitude -75.478121 Allentown PA 18013 40.594826

Detailed Written Directions to Site

Description of Site Rehabilitation of 3 buildings on site and rehabilitating the surrounding site areas. Rehabilitation of the site will include repaying drive aisles and revegetating areas onsite that were previously impervious parking and drive aisles to a lawn condition, installing two storm sewer outfalls along the Little Lehigh Creek and installing other utilities.

Site Contact (Developer/Ow	/ner)					
Last Name	First Name		MI	Suffix	Phone	Ext.
Unger	Scott				(610)462-07	756
Site Contact Title		Site Con	tact Fi	rm (if none	e, leave blank)	
Executive Director		Allentow	n Ecor	nomic Dev	elopment Corp	poration
FAX		Email				
		sunger@)allent	ownedc.co	om	
Mailing Address Line 1		Mailing A	ddres	s Line 2		
905 Harrison Street						
Mailing Address Last Line (City	State		ZI	P+4	
Allentown		PA		18	103	
D. PROJECT CONSU	LTANT INFORMA	TION (See Sec	tion D	of instruc	tions)	
Last Name	· · · · ·	First Name				MI Suffix
Rudy		William				J
Title		Consulting Firm	Name	Э		
Senior Engineer		Pennoni				
Mailing Address Line 1		Mailing A	Addres	s Line 2		
5072 Ritter Road		Suite 10	2			
Address Last Line – City		State	ZIP+	·4	Cour	ntry
Mechanicsburg		PA	1705	55	US	
Email wrudy@pennoni.com	Area Code + Phone 717-620-5948	Ext.			Area	Code + FAX
E. AVAILABILITY OF	DRINKING WATE	ER 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: Lehigh County 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.	PRO	OSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)						
	serve	all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's This information will be used to determine consistency with Chapter 93 (relating to wastewater treatmen nents).						
	1. COLLECTION SYSTEM							
		Check appropriate box concerning collection system						
		New collection system Pump Station Force Main						
		Grinder pump(s)						
		lean Streams Law Permit NumberN / ম						
		Answer questions below on collection system						
		Number of EDU's and proposed connections to be served by collection system. EDU's <u>15</u>						
		Connections 1						
		Name of: existing collection or conveyance system <u>City of Allentown</u> owner <u>City of Allentown</u> , <u>LCA - Agent</u> existing interceptor <u>Little Lehigh</u> Jordan Citer K Interceptor owner Lehigh County Authority (Allentown WWTP)						
	2.	ASTEWATER TREATMENT FACILITY						
		heck all boxes that apply, and provide information on collection, conveyance and treatment facilities and DU's served. This information will be used to determine consistency with Chapter(s) 91 (relating to generative consistency), 92 (relating to national Pollution Discharge Elimination System permitting, monitoring and compliance) and 93 (relating to water quality standards).						
		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 Allentown WWTP						
		NPDES Permit Number for existing facility <u>PA 0026000</u> Clean Streams Law Permit Number <u>N/A</u>						
		Location of discharge point for a new facility. Latitude 40.59602 Longitude -75.47545						
		. The following certification statement must be completed and signed by the wastewater treatment facility permitee or their representative.						
		As an authorized representative of the permittee, I confirm that the $\frac{Kline's fsland wwt}{Name from above}$ sewage treatment facilities can accept sewage flows from this project without						

(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 <u>Crt4</u> 0	THEENT	own		rage wa
Name of Responsible Agent Liefel M. 61055		, 		
Agent Signature <u>Muscl Manual</u>	Date	9/201	2022	
(Also see Section I. 4.)		1 *		

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.
- I. 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.
- 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 <u>www.dep.state.pa.us</u>, 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 <u>www.naturalheritage.state.pa.us</u>, and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdictional agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials

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

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4 Tributaries To The Chesapeake Bay

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

Name of Permittee Agency, Authority, Municipality Lehigh County Authority

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 3570 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.

		d/or Permitted city (gpd)ონს	b. Present	MGD Flows (gpd)	c. Projecte 5 yea (2 years	urs (gpd) # 60
	Average	Peak	Average	Peak	Average	Peak
Collection	1.55	6.21	۲ ⁰ .0	0.50	0.08	0,51
Conveyance	58	81	30	78"	31	80 '''
Treatment	40	40	32.3	40	37.4	42

Collection and Conveyance Facilities

a) 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. 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

	DU 1		
Name of Agency, Authority, Municipality _	City of Allent	iowh,	LCA - Hgent
Name of Responsible Agent	M. Gross	/	
Agent Signature	miss	Date 9	20/202
	1		- /*
\sim .			

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)
c. Conveyance System
Name of Agency, Authority, Municipality <u>City of Allentown</u> , <u>LCA - Agent</u>
Name of Responsible Agent <u>Liesel M. Gross</u>
Agent Signature
Date 7/20/2026
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 <u>City of Allentown</u> , <u>LCA-Agent</u>
Name of Responsible Agent Liesel M. Cruss
Agent Signature
Date9/20/202
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.
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.

	. DETA	ILED HYDROGEOLOGIC STUDY (See Section N of instructions)
	The	detailed hydrogeologic information required in Section N. of the instructions is attached.
О.	SEWA	GE MANAGEMENT (See Section O of instructions)
		letion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and ion by the municipality)
1.		
	to assu	espond to the following questions, attach the supporting analysis, and an evaluation of the options available re long-term proper operation and maintenance of the proposed non-municipal facilities. If No, skip the er of Section O.
2.	Project	Flows gpd
	Yes	No
3.		Is the use of nutrient credits or offsets a part of this project?
		ttach a letter of intent to puchase the necessary credits and describe the assurance that these credits and vill be available for the remaining design life of the non-municipal sewage facility;
(For d	•	on by non-municipal facility agent)
4.		on and Conveyance Facilities
		estions below are to be answered by the organization/individual responsible for the non-municipal collection veyance facilities. The individual(s) signing below must be legally authorized to make representation for the ation.
	Ye	
	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?
		s, this sewage facilities planning module will not be accepted for review by the municipality, delegated local cy and/or DEP until this issue is resolved.
	belov servi	, a representative of the organization responsible for the collection and conveyance facilities must sign v to indicate that the collection and conveyance facilities have adequate capacity and are able to provide ce to the proposed development in accordance with Chapter 71 §71.53(d)(3) and that this proposal will not t 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

2

3800-FM-BPNPSM0353 Rev. 2/2015 Form

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?

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P. PUBL	C NOTIFICATION REQUIREMENT	T 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. I X 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.

Address	Telephone Number
905 Harrison Street, Allentown, PA 18103	610-435-8890
Title	Date
Executive Director	8.29.2023
Name (Print)	Signature
Scott Unger	- Atla

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 \$500 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, Pennsylva	
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.

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

The fee is based upon:

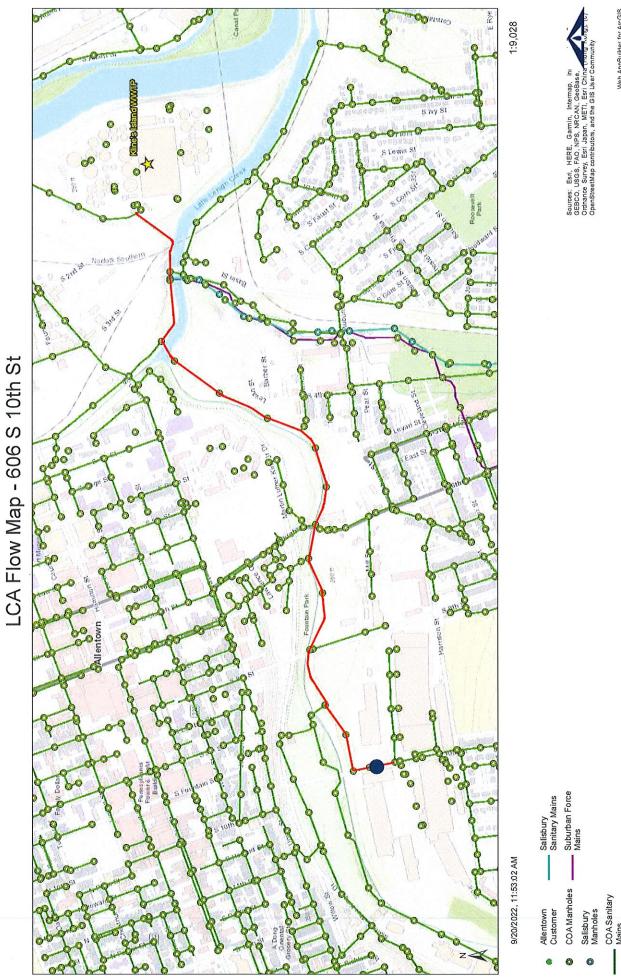
- The number of lots created or number of EDUs whichever is higher.
- For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.
- 2. For a surface or subsurface discharge system, use the appropriate one of these formulae.
 - A. A new surface discharge greater than 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:

#_____ 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)



Web AppBuilder for AcGIS Bucks County, PA, Lehigh County PA, State of New Jersey, Esri, HERE, Garmin, GeoTechnologies, ino., Intermap, USGS, METINASA, EPA, USDAI

Salisbury Manholes COA Sanitary Mains

4A. Municipal Planning Agency Review



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DEP Code #: 2-39001276-3

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

Yes

 \square

 \boxtimes

 \square

 \boxtimes

 \square

 \boxtimes

No

Allentown Metal Works - Building G (Phase 1)

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

1. Date plan received by municipal planning agency <u>December 14, 2023</u>

2. Date review completed by agency December 26, 2023

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

1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, et seq.)?

	2.	Is this proposal consistent with the comprehensive plan for land use?
--	----	---

- If no, describe the inconsistencies
- 3. Is this proposal consistent with the use, development, and protection of water resources?

If no, describe the inconsistencies

Preservation?		4.	Is this proposal consistent with municipal land use planning relative to Prime Agricultural Lan Preservation?
---------------	--	----	--

5. Does this project propose encroachments, obstructions, or dams that will affect wetlands?

If yes, describe impacts No wetland encroachment (see p. 5 of attached wetalnds report).

6. Will any known historical or archaeological resources be impacted by this project?

If yes, describe impacts No historical/archaeological Impact. (see MOU bet. PHMC and City)

	\boxtimes	7.	Will any known endangered or threatened species of plant or animal be impacted by this project?
			If yes, describe impacts No known impact (see PNDI findings, attached).
\boxtimes		8.	Is there a municipal zoning ordinance?
\boxtimes		9.	Is this proposal consistent with the ordinance?

If no, describe the inconsistencies

10.	Does the proposal require a change or variance to an existing comprehensive plan or zoning
	ordinance?

- 11. Have all applicable zoning approvals been obtained?
- 12. Is there a municipal subdivision and land development ordinance?

3850-FM-BCW0362A 6/2016

SECTION C.		AGENCY REVIEW (continued)				
Yes	No					
\square		13.	Is this proposal consistent with the ordinance?			
			If no, describe the inconsistencies			
\boxtimes		14.	Is this plan consistent with the municipal Official Sewage Facilities Plan?			
			If no, describe the inconsistencies			
	\boxtimes	15.	Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?			
			If yes, describe			
		16.	Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?			
			If yes, is the proposed waiver consistent with applicable ordinances?			
			If no, describe the inconsistencies			
		17.	Name, title and signature of planning agency staff member completing this section:			
			Name: <u>Jesus Sadiua</u>			
			Title: City Planner			
			Signature:			
			Date: December 26, 2023			
			Name of Municipal Planning Agency: <u>City of Allentown</u>			
			Address 435 Hamilton Street			
			Telephone Number: 610-437-7613 x2865			
SECTIO	N D.	ADDIT	IONAL COMMENTS (See Section D of instructions)			
			ot limit municipal planning agencies from making additional comments concerning the relevancy other plans or ordinances. If additional comments are needed, attach additional sheets.			
The plar	nning ag	gency m	ust complete this component within 60 days.			
This cor	nponen	t and ar	additional comments are to be returned to the applicant.			

4B. County Planning Agency Review

STEVEN GLICKMAN Chair

CHRISTOPHER AMATO Vice Chair

> KEVIN SCHMIDT Treasurer

BECKY A. BRADLEY, AICP Executive Director



December 14, 2023

Mr. Thomas Serpico, PE, ENV SP Pennoni 81 Highland Avenue, Suite 230 Bethlehem, PA 18017

Re: Act 537 Review - Sewage Facilities Planning Module Allentown Metal Works – Building G City of Allentown, Lehigh County DEP Code No. 2-39001276-3

Dear Mr. Serpico:

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

This sewage facilities planning module is intended for the proposed rehabilitation of Building G, an existing 51,004 square foot industrial building located at 606 South 10th Street on a 17.5-acre parcel. The development is proposed to be served by public sewage disposal by connecting to the existing sewer system located within South 10th Street, with ultimate treatment at the Kline's Island wastewater treatment plant. This proposal aligns with the *FutureLV: The Regional Plan* action to 'match development intensity with sustainable infrastructure capacity' (of Policy 1.1) and 'promote development in areas with public sewer and water capacity' (of Policy 3.2).

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

Sincerely,

& J. Marlall

Susan L. Rockwell Senior Environmental Planner

Enclosure

cc: Brandon Jones, Associate Planner, City of Allentown Mark Hartney, Deputy Director of Community and Economic Development, City of Allentown Jesus Sadiua, Senior Planner, City of Allentown Robert Corby, PA Department of Environmental Protection Scott Unger, Applicant COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER DEP Code #: 2-39001276-3

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 county planning agency or planning agency with areawide jurisdiction for their comments.

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

Project Name

Allentown Metal Works - Building G

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	December 12, 2023
----	--------------------	-------------------------	-----------------------	-------------------

Agency name Lehigh Valley Planning Commission

3. Date review completed by agency December 14, 2023

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

Yes	No		
\square		1.	Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 <i>et seq.</i>)?
		2.	Is this proposal consistent with the comprehensive plan for land use? Development in Future LV Does this proposal meet the goals and objectives of the plan?
		3.	Does this proposal meet the goals and objectives of the plan? General Land Use Plan Meets Scuare 1.505-1.9045 + 06 ptfives If no, describe goals and objectives that are not met
\boxtimes		4.	Is this proposal consistent with the use, development, and protection of water resources?
			If no, describe inconsistency
\boxtimes		5.	Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?
			If no, describe inconsistencies:
	\boxtimes	6.	Does this project propose encroachments, obstructions, or dams that will affect wetlands?
			If yes, describe impact
		7.	Will any known historical or archeological resources be impacted by this project? PHMC determine the
			If yes, describe impacts
		8.	Will any known endangered or threatened species of plant or animal be impacted by the development project? See PNDI results
			If yes, describe impacts
	\boxtimes	9.	Is there a county or areawide zoning ordinance?
		10.	Does this proposal meet the zoning requirements of the ordinance? \mathcal{M}/\mathcal{M}
			If no, describe inconsistencies

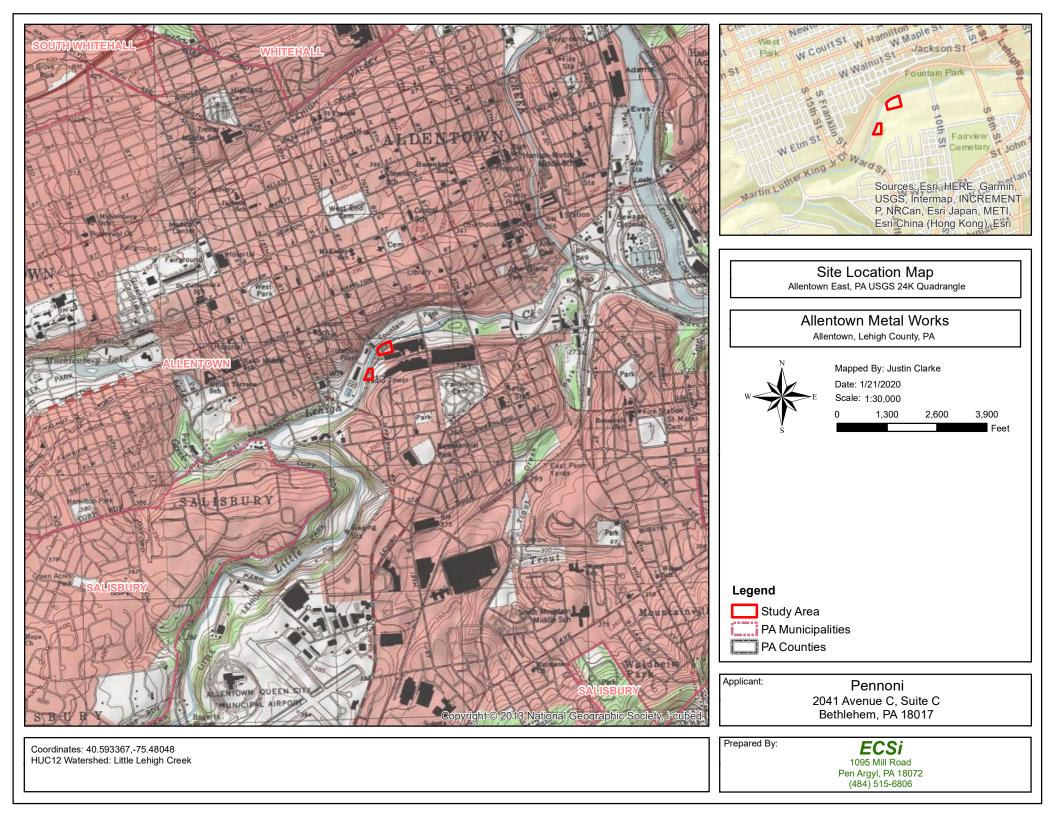
SECTION C.		AG	GENCY REVIEW (continued)
Yes	No		
		11.	Have all applicable zoning approvals been obtained? N/A
\boxtimes		12.	Is there a county or areawide subdivision and land development ordinance? Not applied by the Does this proposal meet the requirements of the ordinance? V/H
		13.	Does this proposal meet the requirements of the ordinance? V/A City of Allentown
			If no, describe which requirements are not met
		14.	Is this proposal consistent with the municipal Official Sewage Facilities Plan? See Municipal of Interpretention
			If no, describe inconsistency Interpretention
		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? \mathcal{N}/\mathcal{P}
			If yes, is the proposed waiver consistent with applicable ordinances.
			If no, describe the inconsistencies
		17.	Does the county have a stormwater management plan as required by the Stormwater Management Act?
	\boxtimes		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: Susan L. Rockwell
			Title: Senior Environmental Planner
			Signature: S.J. Northell
			Date: December 14, 2023
			Name of County or Areawide Planning Agency: Lehigh Valley Planning Commission
			Address: 961 Marcon Blvd., Suite 310, Allentown, PA 18109
			Telephone Number: 610-264-4544
SECTI	ON D.	AC	DITIONAL COMMENTS (See Section D of instructions)
This co the pro	posed	ent do plan f	bes not limit county planning agencies from making additional comments concerning the relevancy of 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.

APPENDICES - (Attachments to COMPONENT 3)

Sect. C - U.S.G.S. 7.5 minute Topographic Map



Sect. E - Availability of Drinking Water Supply and Sewer Services

Sect. F - Project Narrative

Project Narrative

Allentown Metal Works Project

1. Nature of Development Project

The applicant, Allentown Economic Development Corporation, proposes the redevelopment of 5.14 acres of a 17.5 acre site with an industrial warehouse located on the West Side of S. 10th St, City of Allentown, Lehigh County, Pennsylvania. The industrial warehouse is planned to include three (3) buildings and two (2) parking lots with related site improvements. The site is bounded by the Little Lehigh Creek to the north and west, S.10t St. to the east, and industrial use to the south. Other proposed improvements include associated parking for both passenger cars and trailer trucks.

An 8" SDR-26 gravity main will be constructed from existing manhole located in South 10th Street near the Bridge over the Little Lehigh. The 8" gravity will extend approximately 1,262' from the existing manhole and tie into both existing Building G and Building B.

2. Number of Lots or EDUs

Commercial Connections 1 lot = 15 EDU'S or 3,570 gpd

3. Proposed Sewage Collection, Conveyance and Treatment

The sewage flows will be serviced by the Lehigh County Authority Allentown Wastewater Treatment plant the collection, conveyance, and treatment facilities. The flow from this area of the City is than directed to the Little Lehigh Interceptor.

4. Projected Project Population and Sewage Flows

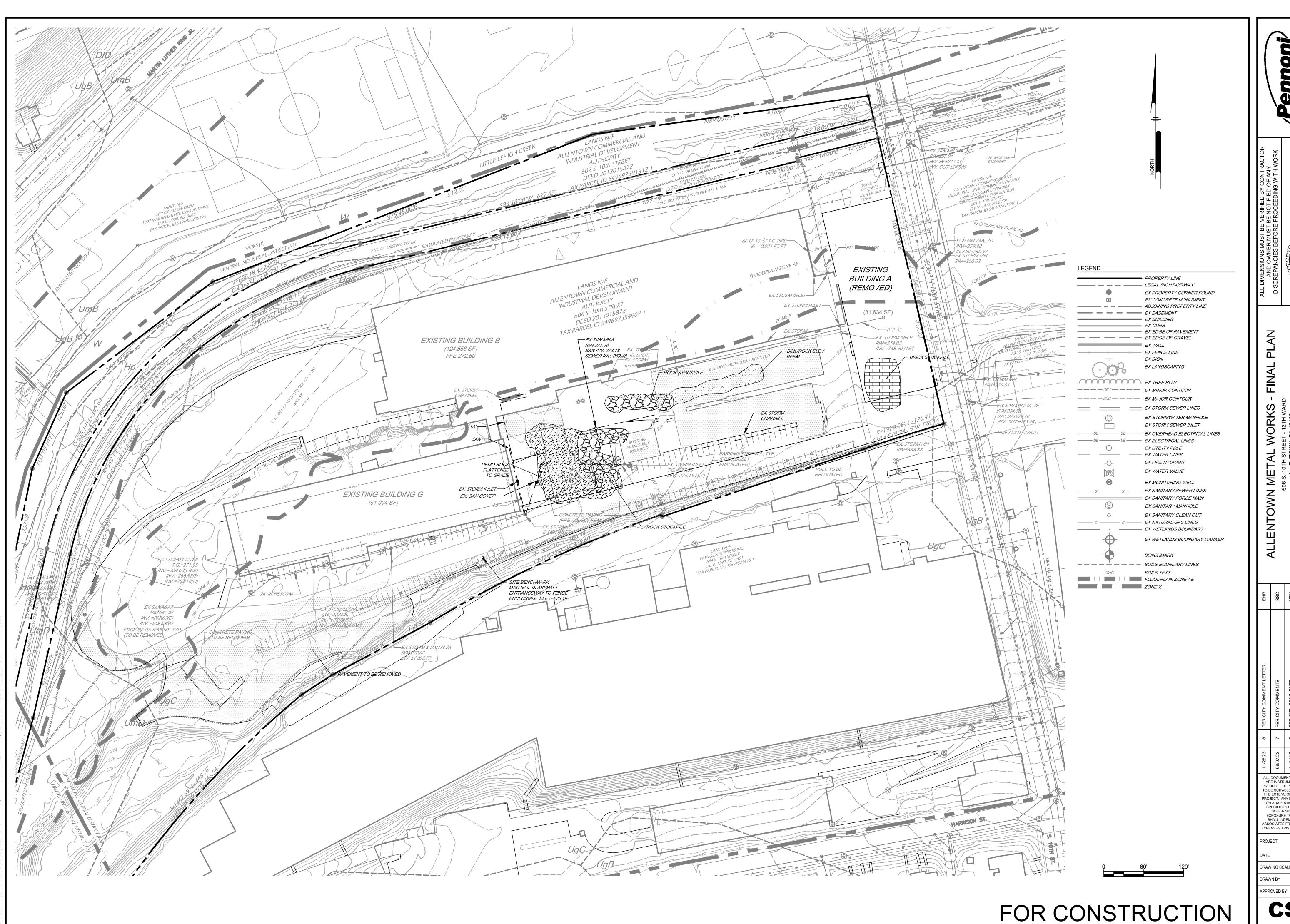
15 EDU's X 238 = 3,570 Gallons Per Day. No Additional future flow is anticipated.

5. Adjacent Land Uses/Future Development

The proposed development is taking place in the General Industrial District or I-3. There is no anticipated additional area of proposed development in the future taking place in this area.

Sect. G – Proposed Wastewater Facilities Narrative

Sect. G.3 - Plot Plan



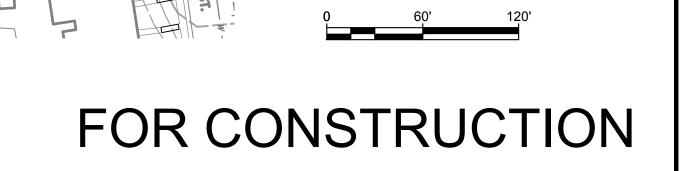
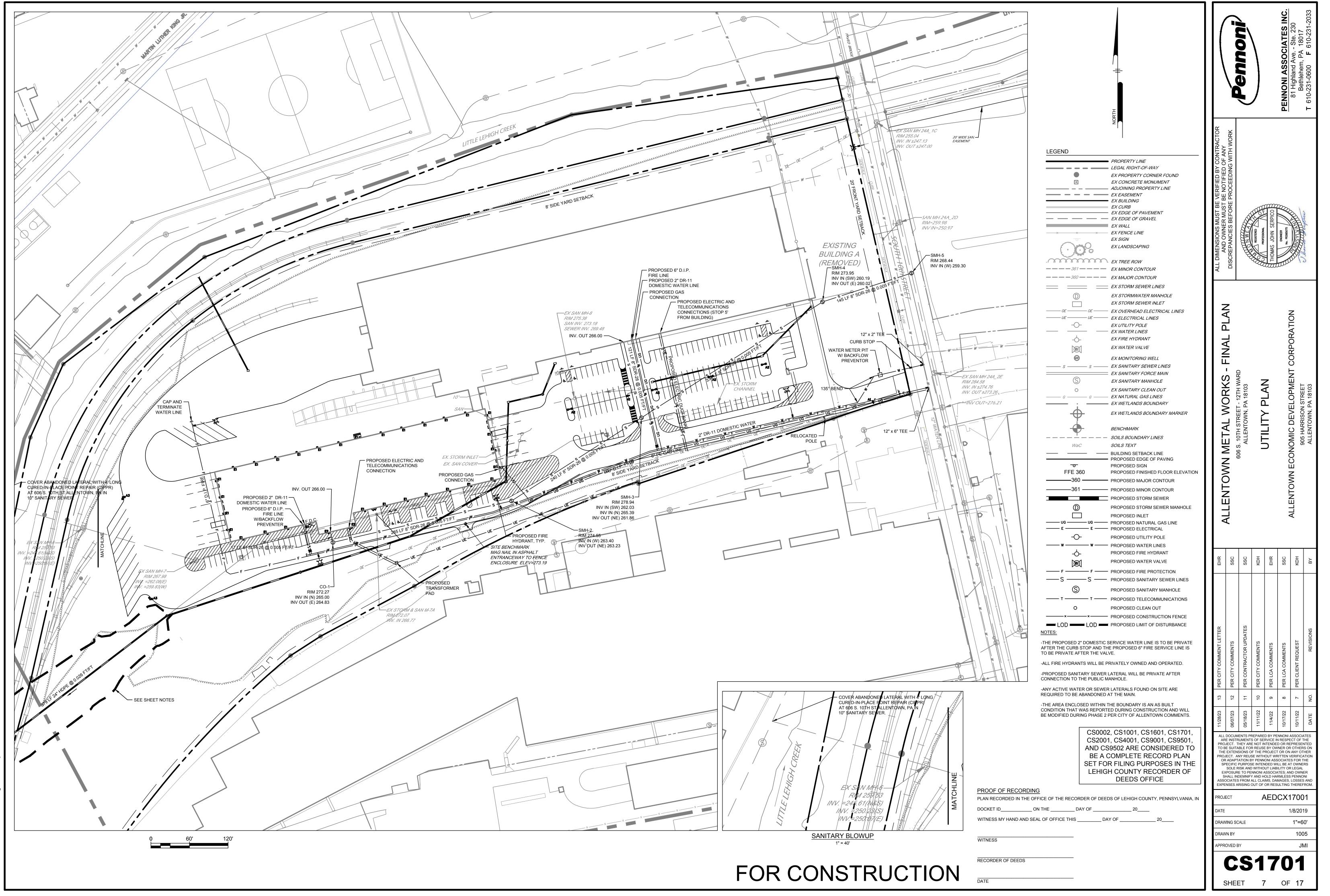
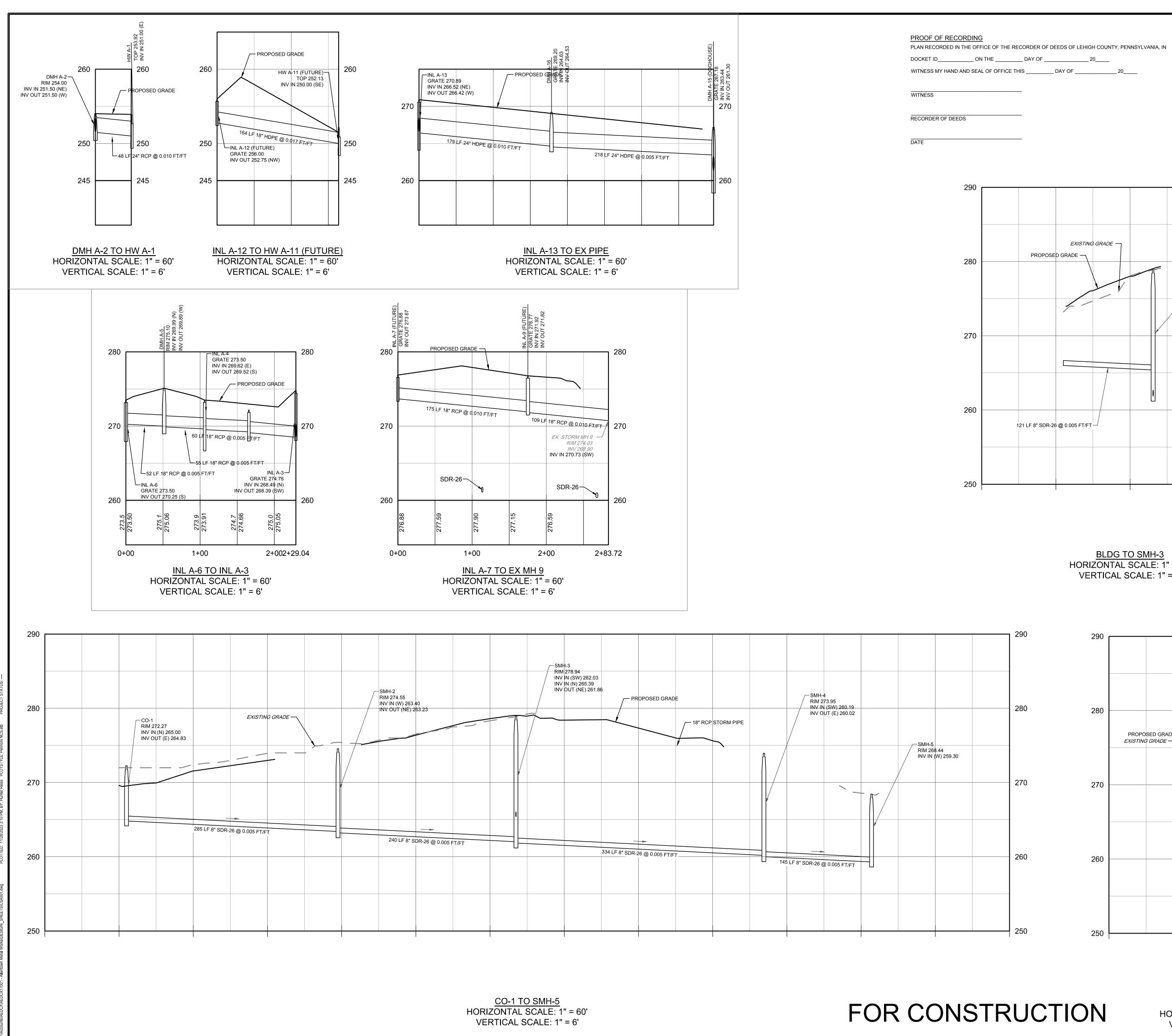


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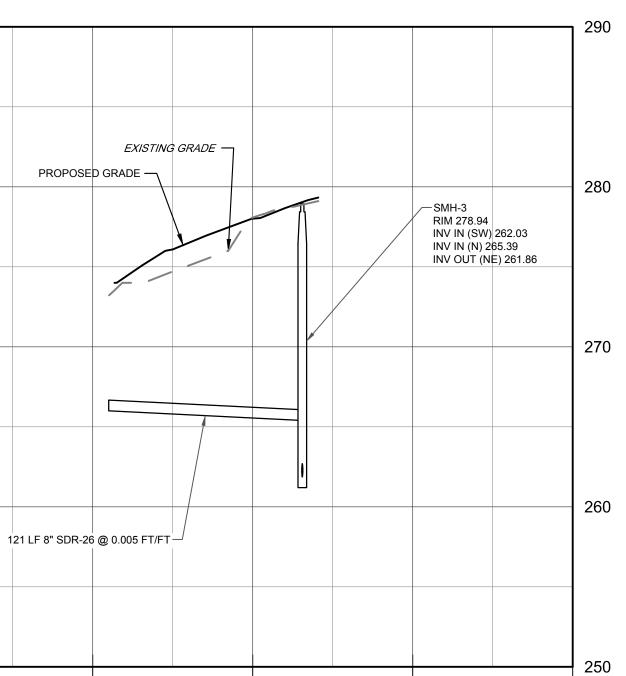




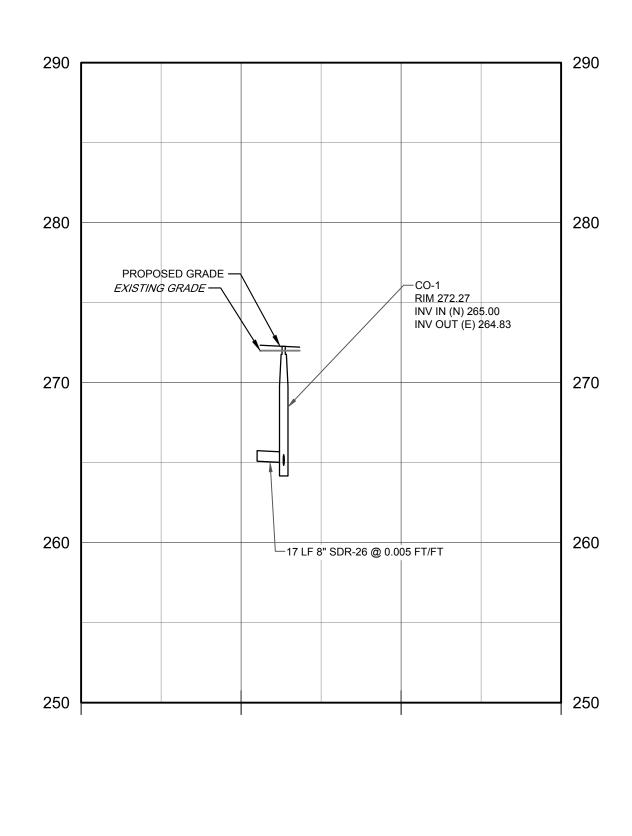
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CS0002, CS1001, CS1601, CS1701, CS2001, CS4001, CS9001, CS9501, AND CS9502 ARE CONSIDERED TO BE A COMPLETE RECORD PLAN SET FOR FILING PURPOSES IN THE LEHIGH COUNTY RECORDER OF DEEDS OFFICE



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<u>BLDG TO CO-1</u> HORIZONTAL SCALE: 1" = 60' VERTICAL SCALE: 1" = 6'

Sect. G.4 – Wetlands Report

WETLANDS AND OTHER WATERS DELINEATION REPORT

FOR

Allentown Metal Works

Allentown, Lehigh County Pennsylvania

Prepared For:

Pennoni 2041 Avenue C, Suite C Bethlehem, PA 18017

January 2020

Prepared By:

Environmental Consultation Services, *inc.*

1095 Mill Road Pen Argyl, PA 18072 Phone: (484) 515-6806 Email: kevinkeat@envconserv.com

TABLE OF CONTENTS

I.	SCOPE OF SERVICES	1
II.	SITE DATA	1
III.	REGULATORY REQUIREMENTS	2
IV.	REFERENCE DATA	2
V.	METHODOLOGY	3
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VII.	SUMMARY	5

APPENDICES

ATTACHMENT # 1	SITE LOCATION MAP (EAST ALLENTOWN, PA U.S.G.S. QUADRANGLE)
ATTACHMENT # 2	AERIAL IMAGERY WITH NATIONAL WETLAND INVENTORY OVERLAY
ATTACHMENT # 3	WETLAND AND OTHER WATERS DELINEATION MAP WITH WEB SOIL SURVEY OVERLAY
ATTACHMENT # 4	PHOTOGRAPHIC INDEX
ATTACHMENT # 5	FIELD DATA SHEETS

I. SCOPE OF SERVICES

Environmental Consultation Services, inc. (ECSi) was retained by Pennoni to: (1) Determine the character and extent of federal and state regulated wetlands and other waters on two project areas on the Allentown Metal Works property; (2) To flag in the field any wetlands and other waters encountered; and (3) To issue a preliminary report describing the delineation methods and findings. The wetlands and other waters delineations were conducted on December 12th, 2019 and January 17th, 2020.

II. SITE DATA

Site Location:

The study areas are located on the property of Allentown Metal Works within the city of Allentown, approximately 1.57-miles west of Lehigh River and 0.94-miles east of Salisbury. It is situated east of Jefferson Street and south of Martin Luther King Jr. Dr. on the Little Lehigh Creek (Attachment 1).

•	Geographical Location:	City of Allentown Lehigh County, PA
•	U.S.G.S. Quad Sheet:	East Allentown, PA
•	Soil Survey:	Soil Survey of Lehigh County, Pennsylvania
•	Project Areas:	1.0 and 2.13-acres
•	Site Coordinates:	Latitude: 40.593367, Longitude: -75.48048

Project Area Description:

The Allentown Metal Works Project consists of two project areas located along the floodplain of the Little Lehigh Creek. The study areas are 1.0 and 2.33-acre areas that are proposed outfall locations for stormwater discharge pipes. The floodplain is forested and is bordered to the west by a commercial lot and to the east by a forested tract of land. The areas are generally flat along the banks of the Little Lehigh Creek (Attachment 2).

III.REGULATORY REQUIREMENTS

Regulatory Jurisdiction:

Activities in Waters of the United States and Waters of the Commonwealth (including wetlands) are regulated by the U.S. Army Corps of Engineers (USACE), under the authority of Section 404 of the Clean Water Act and by the Pennsylvania Department of Environmental Protection (PADEP), under the authority of the Dams Safety and Encroachments Act.

Definitions:

In Pennsylvania, the PADEP uses the USACE definition of wetlands as defined in 33 CFR Part 328.3 in administering the above regulatory requirements. In addition, the PADEP has authority to regulate Waters of this Commonwealth (as defined in 25 Pa.C.S. § 105.1). These definitions are as follows:

- A *wetland* refers to "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas."
- *Regulated waters of this Commonwealth* are "Watercourses, streams or bodies of water and their floodways wholly or partly within or forming part of the boundary of this Commonwealth."

IV. REFERENCE DATA

Available reference data was assembled and evaluated prior to conducting field investigations. This information is presented in the following appendices:

- 1. United States Geologic Service (U.S.G.S.) Map: The East Allentown, Pennsylvania USGS Quadrangle Map indicates the project area elevation is 250feet above mean sea level (Attachment 1). The project areas are within the floodplain adjacent to the Little Lehigh Creek.
- 2. 2008 Natural Color Aerial Photograph: A 2008 Natural Color Aerial Image (PASDA) was reviewed to assist with the evaluation of existing conditions on the project area (Attachment 2). The aerial imagery shows the site is predominantly a forested floodplain to the Little Lehigh Creek with a commercial area bordering the western side of the creek.

- 3. *National Wetlands Inventory (NWI) Map*: The NWI map prepared by the U.S. Fish and Wildlife Service (USFWS) does not identify any wetlands within the project area but does identify the Little Lehigh Creek which flows through the project area (Attachment 2).
- 4. Soil Survey of Northampton County, Pennsylvania: The site is located on the Soil Survey of Northampton County, Pennsylvania (Attachment 3). The soil survey indicates there are a total of three (3) soil series that underlie the project area. The Holly (Ho) soil series is a hydric soil and has a minor hydric component of Brinkerton. The Urban Land (UgC) series does not contain any hydric soils. The Urban Land-Duffield Complex (UmD) series contains a minor hydric component of the Thorndale series. Table 1 lists the soils underlying the project area.

Table 1: Project Area Soils.

Soil Series Name	Map Unit Symbol	Slope %	Hydric
Holly silt loam	Но	0	Yes and minor components of Brinkerton
Urban Land	UgC	8-15	No
Urban Land-Duffield Complex	UmD	8-25	Minor components of Thorndale

V. METHODOLOGY

The USACE, U.S. Environmental Protection Agency (USEPA), and PADEP require the use of the "Corps of Engineers Wetland Delineation Manual (January 1987)," as a guide for field methodology in order to assure that all wetland boundary delineations are consistent with the federal and state wetland regulations. In addition, the "Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region, Version 2.0. April 2012" has been adopted for use in this location.

Field indicators for wetland hydrology, hydric soils, and vegetation were evaluated in accordance with the field methods described in the USACE manual. The data collected was recorded and is reported on the Field Data Sheets (Attachment 5).

Photographs of the site are presented in Attachment 4.

VI. FIELD INVESTIGATIONS SUMMARY

Six (6) data points (DP1-6) were recorded within the project areas and all were determined to be upland data points. The only watercourse identified within the project area was the Little Lehigh Creek which borders the project area **Attachment 3**.

1. Wetland

No wetlands were identified within the project area.

2. Streams

Stream 1 is the Little Lehigh Creek that flows through the project area. The stream has a High Quality-Cold Water Fishes (HQ-CWF) designation (Chapter 93) and drains into the Lehigh River (HUC12).

3. Other Waters

No other waters were found within the project area.

4. Upland Areas

The project areas are predominantly upland and comprised of deciduous broadleaf woodland characterized by Data Points 1-6 (DP1-6). These data points were all recorded in the floodplain to the Little Lehigh Creek and lacked indicators of hydrology and hydric soils. Data Points 1 and 6 were determined to contain hydrophytic vegetation but lacked indicators of hydrology and soils.

Data Point 1 (DP1) was recorded 40-feet east of the Little Lehigh Creek. The canopy that is composed of white ash (*Fraxinus americana*), box elder (*Acer negundo*), black walnut (*Juglans nigra*), tree-of-heaven (*Ailanthus altissima*). The shrub layer is comprised of tartarian honeysuckle (*Lonicera tatarica*) and the herbaceous layer is comprised of common mugwort (*Artemisia vulgaris*), Japanese stiltgrass (*Microstegium vimineum*), garlic mustard (*Alliaria petiolata*), wingstem (*Verbesina alternifolia*), and *Allium* sp.

Data Point 2 (DP2) was recorded 100-feet east of the Little Lehigh Creek. The canopy is predominantly comprised of tree-of-heaven. The shrub layer is dominated by tartarian honeysuckle and the herbaceous layer consists of Japanese stiltgrass and wingstem.

Data Point 3 (DP3) was recorded in the northeast corner of the project area. The canopy is predominantly comprised of black walnut, tree-of-heaven, and box elder. The shrub layer is dominated by tartarian honeysuckle and butterfly bush (*Buddleja davidii*). The herbaceous layer is comprised of Japanese stiltgrass, wingstem, pink

dogbane (*Apocynum cannabinum*), Japanese honeysuckle (*Lonicera japonica*), and goldenrod (*Solidago* sp.).

Data Point 4 (DP4) was recorded 26-feet north of DP3. The canopy is predominantly comprised of tree-of-heaven and the shrub layer is dominated by tartarian honeysuckle and butterfly bush. The herbaceous layer is comprised of Japanese stiltgrass, wingstem, goldenrod, and common mugwort.

Data Point 5 (DP4) was recorded 30-feet east of the Little Lehigh Creek and 95-feet north of DP1. The canopy is predominantly comprised of black walnut and tree-of-heaven. The shrub layer is dominated by tartarian honeysuckle and the herbaceous layer is comprised of Japanese stiltgrass, wingstem, and rye (*Secale* sp).

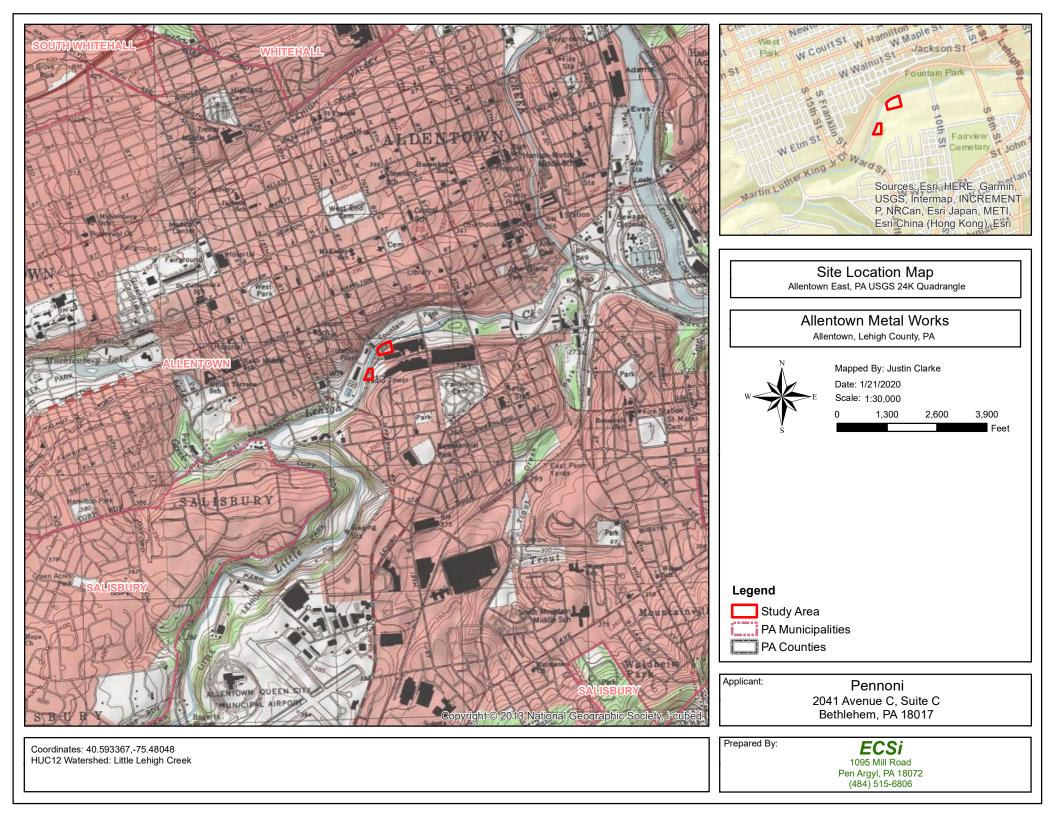
Data Point 6 was recorded in the northern project area. The canopy is comprised of black walnut and box elder. The shrub layer is comprised black walnut saplings, box elder saplings, tartarian honeysuckle, and tree-of-heaven. The herbaceous layer is comprised of poison ivy (*Toxicodendron radiancs*), Japanese stiltgrass, Asian bittersweet (*Celastrus orbiculatus*), wingstem, and wineberry (*Rubus phoenicolasius*) while the vine layer was predominately grape (*Vitis* sp.).

All data points were located within the floodplain to the Little Lehigh Creek but none exhibited wetland indicators for soil or hydrology.

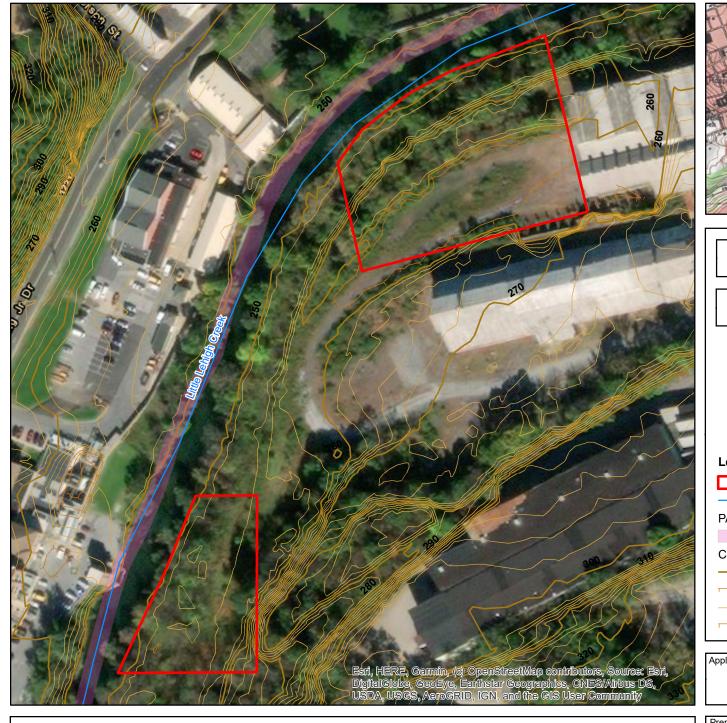
VII. SUMMARY

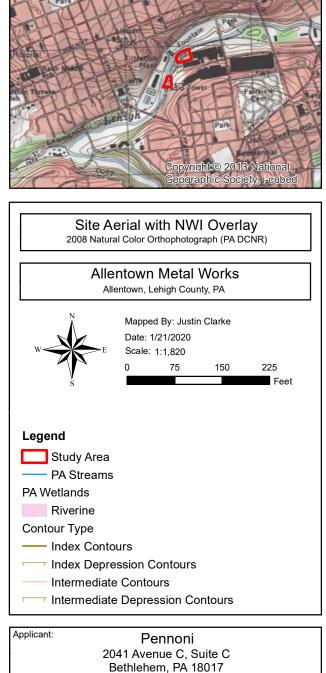
No wetlands were identified within the project areas. The project areas are situated along the banks of the Little Lehigh Creek which intersects the project area boundaries. The wetland and other waters delineation provided by ECSi represents our best professional judgment regarding the boundaries of this resource and can be used for preliminary project planning; however, until a Jurisdictional Determination (JD) is issued by a regulatory agency (USACE and/or PADEP), the delineation can only be considered preliminary without any official governmental approval.

Site Location Map Bangor, PA USGS Quadrangle



Aerial Imagery with National Wetland Inventory Overlay

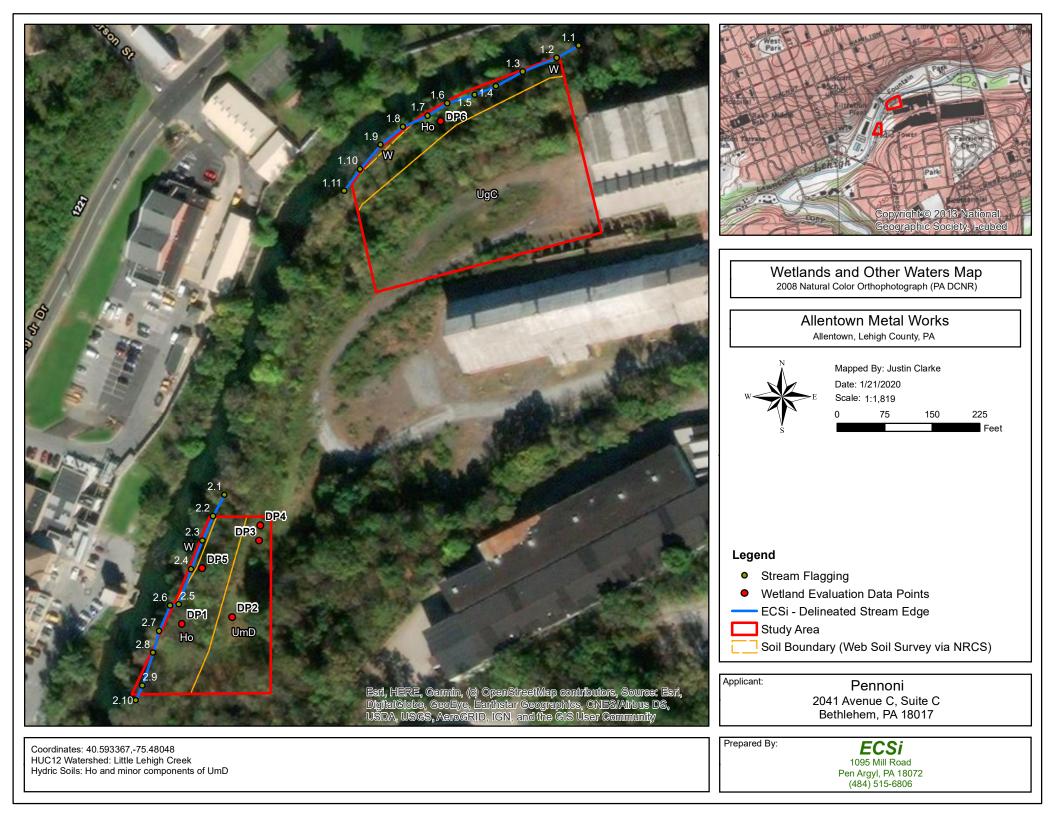




Coordinates: 40.593367,-75.48048 HUC12 Watershed: Little Lehigh Creek Prepared By:

ECSi 1095 Mill Road Pen Argyl, PA 18072 (484) 515-6806

Wetland and Other Waters Delineation Map with Web Soil Survey Overlay (NRCS)



Photographic Index



Photo 1. A view of Data Point 1, located 40-ft east of the Little Lehigh Creek in the southern project area. This area was comprised of white ash, box elder, black walnut, tree-of-heaven, tartarian honeysuckle, common mugwort, Japanese stiltgrass, garlic mustard, wingstem, and *Allium* sp. It lacked hydrology and soil indictors to be considered a wetland.



Photo 2. A view of Data Point 2, located 100-ft east of the Little Lehigh Creek in the southern project area. This area is dominated by tartarian honeysuckle, Japanese stiltgrass, and wingstem. The data point lacks all indicators to be considered a wetland.



Photo 3. A view of Data Point 3, located in the southeastern portion of the project area. This area was comprised of black walnut, tree-of-heaven, box elder, tartarian honeysuckle, butterfly bush, Japanese stiltgrass, wingstem, pink dogbane, Japanese honeysuckle, and goldenrod. It lacked all indicators to be considered a wetland.



Photo 4. A view of Data Point 4, located in the southernmost project area. This area was comprised of tree-of-heaven, tartarian honeysuckle, butterfly bush, Japanese stiltgrass, wingstem, goldenrod, and common mugwort. It lacked all indicators to be considered a wetland.



Photo 5. A view of Data Point 5, located on the edge of the Little Lehigh Creek in the southernmost project area. This area was composed of black walnut, tree-of heaven, tartarian honeysuckle, Japanese stiltgrass, wingstem, and rye. It lacked all indicators to be considered a wetland.



Photo 6. A northerly view of the Little Lehigh in the southernmost project area.



Photo 7. A view of the Little Lehigh Creek bank in the southernmost project area.



Photo 8. A view of the Little Lehigh Creek bank in the southernmost project area.



Photo 9. A view of Data Point 6, located on the bank of the Little Lehigh Creek in the northernmost project area. This area is comprised of black walnut, box elder, tartarian honeysuckle, tree-of-heaven, poison ivy, Japanese stiltgrass, Asian bittersweet, wingstem, and wineberry. The data point lacks indicators of hydrology and soil to be considered a wetland.



Photo 10. An easterly view of the project area.



Photo 11. A northerly view of the proposed drainage pipe.



Photo 12. A view of the railroad grade and that runs through the project area.



Photo 13. A view of the railroad grade that runs through the project area.



Photo 14. A view of the northernmost project area.



Photo 15. A view of the building on the northern edge of the northermost project area.



Photo 16. A view of the northernmost project area.



Photo 17. A southerly view of the Little Lehigh Creek in the northernmost project area.



Photo 18. A southerly view of the Little Lehigh Creek in the southernmost project area.

Field Data Sheets

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Allentown Metal Works	_ City/County: Allentown/Lehigh Sampling	Date: 12/12/2019
Applicant/Owner: Pennoni		ng Point: DP1
Investigator(s): David Bonomo	_ Section, Township, Range: City of Allentown	
Landform (hillslope, terrace, etc.): terrace		Slope (%): <u>0</u>
Subregion (LRR or MLRA): MLRA 248 Lat: 40.593269	Description Long: <u>-75.480784</u>	Datum: NAD83
Soil Map Unit Name: Ho: Holly silt loam	NWI classification: NO	ne
Are climatic / hydrologic conditions on the site typical for this time of y	year? Yes No (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significantl	ly disturbed? Are "Normal Circumstances" present?	Yes 🖌 No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answers in Rema	arks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, import	ant features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No No✓ No✓	Is the Sampled Area within a Wetland?	Yes	No	✓
Remarks:						

While hydrophytic vegetation was present, hydric soils and wetland hydrology were absent. Therefore, this is an upland data point.

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Thin Muck Surface (C7) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) 	
Aquatic Fauna (B13) Field Observations:	FAC-Neutral Test (D5)
Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspection)	Wetland Hydrology Present? Yes No✓ ons), if available:
Remarks:	
Only one secondary indicator of wetland hydrology was observed during are required (in the absence of any primary indicators) to establish wetla	

determined to be absent from this data point location.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling	Point:
oumpning	1 Ontc

DP1

	Absolute	Dominant I	ndicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')		Species?		
1. Fraxinus americana	20	\checkmark	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:3 (A)
2. Acer negundo	20	\checkmark	FAC	
3. Juglans nigra	10		FACU	Total Number of Dominant Species Across All Strata: 5 (B)
4. Ailanthus altissima	10		FACU	Species Across All Strata:5 (B)
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC:60 (A/B)
6				Prevalence Index worksheet:
7	60			Total % Cover of: Multiply by:
500/ of total courses 30		= Total Cove total cover:		OBL species x 1 =
50% of total cover: <u>30</u> Sapling/Shrub Stratum (Plot size: 15')	20% 01	total cover.	12	FACW species x 2 =
	20	/	FACU	FAC species x 3 =
1. Lonicera tatarica		<u> </u>	FACU	FACU species x 4 =
2				
3				· · · · · · · · · · · · · · · · · · ·
4		·		Column Totals: (A) (B)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is $\leq 3.0^{1}$
	20	= Total Cove	r	
50% of total cover: <u>10</u>	20% of	total cover:	4	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Microstegium vimineum	30	\checkmark	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Verbesina alternifolia	20	\checkmark	FAC	
3. Alliaria petiolata	10		FACU	¹ Indicators of hydric soil and wetland hydrology must
4. Artemisia vulgaris	10		UPL	be present, unless disturbed or problematic.
5. Allium sp.	5		FACU	Definitions of Four Vegetation Strata:
		·		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11	75	·	<u> </u>	Herb – All herbaceous (non-woody) plants, regardless
07		= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>37.</u>	<u>20%</u> of	total cover:	15	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size:30')				height.
1		·		
2				
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cove	r	Present? Yes <u>√</u> No
50% of total cover:0		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
The percentage of dominant plant species rated	I OBL. FA	ACW. or F/	AC is ar	eater than 50%: therefore, the vegetation is

I he percentage of dominant plant species rated OBL, FACW, or FAC is greater than 50%; therefore, the vegetation is hydrophytic.

Profile Desc	ription: (Describe to	o the depth	needed to docum	nent the ir	dicator o	or confirm	the absence of	of indicators.)	
Depth	Matrix		Redox	K Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	S
0-3	10 YR 3/2	100					SL		
3-16	10 YR 3/4	100					SiL		
						·			
					·				
			<u> </u>		·				
			<u> </u>						
1						·	2		
'Type: C=Co Hydric Soil I	oncentration, D=Deple	etion, RM=Re	educed Matrix, MS	=Masked	Sand Gra	ains.		=Pore Lining, M=Matr tors for Problematic	
				(07)					
<u> </u>	()		Dark Surface	· · ·	- (CO) /M			cm Muck (A10) (MLR	
-	vipedon (A2)		Polyvalue Bel					bast Prairie Redox (A1	6)
Black His	()		Thin Dark Su		•	47, 140)		(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gleye		-2)			edmont Floodplain Soi	lis (F19)
	Layers (A5)		Depleted Mat		2)			(MLRA 136, 147)	
	ck (A10) (LRR N)	()	Redox Dark S					ery Shallow Dark Surfa	· ,
	Below Dark Surface	(A11)	Depleted Dar		. ,		Ot	her (Explain in Remar	KS)
	rk Surface (A12)		Redox Depres		,				
	lucky Mineral (S1) (Li	KK N,	Iron-Mangane		s (F12) (_RR N,			
	147, 148)		MLRA 136				31	and a second data and a second as a se	a sector Constant
	leyed Matrix (S4)		Umbric Surfac	· , ·				cators of hydrophytic v	•
	edox (S5)		Piedmont Flo	•	. ,	•		land hydrology must b	•
	Matrix (S6) ayer (if observed):		Red Parent N	iateriai (F2		4 127, 147)) unie	ess disturbed or proble	ematic.
	ayer (if observed):								
Type:			_						
Depth (inc	ches):		_				Hydric Soil I	Present? Yes	No _✓

Remarks:

The soil lacks a low-chroma matrix (i.e., chroma 1, or chroma 2 with high-chroma mottles) at 10", and no other hydric soil indicators were observed. Therefore, the soil at this data point is not hydric.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Allentown Metal Works	City/County: Allentown/Lehigh	Sampling Date: <u>12/12/2019</u>
Applicant/Owner: Pennoni	State: PA	Sampling Point: DP2
Investigator(s): David Bonomo	_ Section, Township, Range: City of Allentown	1
Landform (hillslope, terrace, etc.): terrace		
Subregion (LRR or MLRA): MLRA 248 Lat: 40.593292	2 Long: -75.480784	Datum: NAD83
Soil Map Unit Name: UmD: Urban Land-Duffield Complex		
Are climatic / hydrologic conditions on the site typical for this time of y	/ear? Yes✔ No (If no, explain in R	Remarks.)
Are Vegetation, Soil, or Hydrology significantl	y disturbed? Are "Normal Circumstances"	oresent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No_ ✓ Hydric Soil Present? Yes No_ ✓ Wetland Hydrology Present? Yes No_ ✓	 Is the Sampled Area within a Wetland? Yes 	No
Remarks:		
There were no wetland indicators present during our vi	sit, therefore this is an upland data point	t.

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) 	 Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2)
Field Observations: Surface Water Present? Yes No _ ✓ _ Depth (inches): Water Table Present? Yes No _ ✓ _ Depth (inches): Saturation Present? Yes No _ ✓ _ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect	Wetland Hydrology Present? Yes No tions), if available:
Remarks:	a our aite visit. Pessues two secondary indicators
Only one secondary indicator of wetland hydrology was observed durin are required (in the absence of any primary indicators) to establish wet	

determined to be absent from this data point location.

VEGETATION (Four Strata) – Use scientific names of plants.

Same	alina	Point	

VEGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP2
201	Absolute	Dominant I	ndicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30'</u>) 1. Ailanthus altissima	20	Species?	Status FACU	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 3				Total Number of Dominant Species Across All Strata: 4 (B)
4 5				Percent of Dominant Species
6				
7				Prevalence Index worksheet:
	20	= Total Cove	r	Total % Cover of: Multiply by:
50% of total cover: <u>10</u>	20% of	total cover:		OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
_{1.} Lonicera tatarica	20	\checkmark	FACU	FAC species x 3 =
2				FACU species x 4 =
3				UPL species x 5 =
4				Column Totals: (A) (B)
5				Dravalance Index P/A
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				2 - Dominance Test is >50%
··	20	= Total Cove	r	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: <u>10</u>		total cover:		4 - Morphological Adaptations ¹ (Provide supporting
<u>Herb Stratum</u> (Plot size:5')				data in Remarks or on a separate sheet)
1. Microstegium vimineum	20	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Verbesina alternifolia	20	<u> </u>	FAC	
				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub - Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10			<u> </u>	m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cove	-	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>20</u>	20% of	total cover:	8	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30')				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cove	r	Present? Yes No _✓
50% of total cover:0	20% of	total cover:	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			<u> </u>
The percentage of plant species rated OBL, FA		AC equals	50%. F	Because this percentage must exceed 50% for
the vegetation to be considered hydrophytic, the				

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix			Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks	
0-3	10 YR 2/3	100						
3-12	10 YR 4/4	60	10 YR 5/4	40	С	Μ	SL	
				<u> </u>			· · · · · · · · · · _ /	
¹ Type: C=Cc	oncentration, D=Deple	tion RM=Re	educed Matrix MS	-Masked	Sand Gra	ins	² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil I				Indened			Indicators for Problematic Hydric	Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2 cm Muck (A10) (MLRA 147)	
	ipedon (A2)		Polyvalue Bel	· · ·	ce (S8) (M	LRA 147.		
Black His			Thin Dark Sur				(MLRA 147, 148)	
Hydroge	n Sulfide (A4)		Loamy Gleyed	, ,	•		Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mati		,		(MLRA 136, 147)	,
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	urface (F	6)		Very Shallow Dark Surface (TF	12)
Depleted	Below Dark Surface	(A11)	Depleted Dark	Surface	(F7)		Other (Explain in Remarks)	
Thick Da	rk Surface (A12)		Redox Depres	sions (F8	3)			
Sandy M	ucky Mineral (S1) (LI	RR N,	Iron-Mangane	se Masse	es (F12) (L	.RR N,		
MLRA	147, 148)		MLRA 136)				
Sandy G	leyed Matrix (S4)		Umbric Surfac	e (F13) (I	MLRA 13	6, 122)	³ Indicators of hydrophytic vegetati	on and
Sandy R	edox (S5)		Piedmont Floo	odplain So	oils (F19) (MLRA 148	8) wetland hydrology must be prese	ent,
Stripped	Matrix (S6)		Red Parent M	aterial (F2	21) (MLR	A 127, 147	") unless disturbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:			_					
Depth (inc	:hes):		_				Hydric Soil Present? Yes No	₀_√_

Remarks:

The soil lacks a low-chroma matrix (i.e., chroma 1, or chroma 2 with high-chroma mottles) at 10", and no other hydric soil indicators were observed. Therefore, the soil at this data point is not hydric.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Allentown Metal Works	City/County: Allentown/Lehigh	Sampling Date: <u>12/12/2019</u>
Applicant/Owner: Pennoni	State: PA	Sampling Point: DP3
Investigator(s): David Bonomo	Section, Township, Range: City of Allentowr	1
Landform (hillslope, terrace, etc.): terrace		
Subregion (LRR or MLRA): MLRA 248 Lat: 40.593686		
Soil Map Unit Name: UmD: Urban Land-Duffield Complex		
Are climatic / hydrologic conditions on the site typical for this time of ye		
Are Vegetation, Soil, or Hydrology significantly		oresent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology naturally pr		
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No✓ Hydric Soil Present? Yes No✓ Wetland Hydrology Present? Yes No✓	Is the Sampled Area within a Wetland? Yes	No
Remarks:		
There were no wetland indicators present during our vis	sit, therefore this is an upland data point	t.

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Aquatic Fauna (B13) 	Dry-Season Water Table (C2)
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect	Wetland Hydrology Present? Yes No tions), if available:
Remarks: Only one secondary indicator of wetland hydrology was observed durin are required (in the absence of any primary indicators) to establish wetl determined to be absent from this data point location.	

VEGETATION (Four Strata) – Use scientific names of plants.

	_		
amnlii	na P	oint	

VEGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP3		
201	Absolute	Dominant I		Dominance Test worksheet:		
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species		
_{1.} Ailanthus altissima	30		FACU	That Are OBL, FACW, or FAC: (A)		
2. Acer negundo	20		FAC	Total Number of Dominant		
_{3.} Juglans nigra	20	\checkmark	FACU	Species Across All Strata:6 (B)		
4						
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)		
6						
7.				Prevalence Index worksheet:		
	70	= Total Cove	r	Total % Cover of:Multiply by:		
50% of total cover: <u>35</u>	20% of	total cover:		OBL species x 1 =		
Sapling/Shrub Stratum (Plot size: 15')		_		FACW species x 2 =		
1. Lonicera tatarica	25	\checkmark	FACU	FAC species x 3 =		
2. Buddleja davidii	10	·	FACU	FACU species x 4 =		
				UPL species x 5 =		
3				Column Totals: (A) (B)		
4						
5			<u> </u>	Prevalence Index = B/A =		
6			<u> </u>	Hydrophytic Vegetation Indicators:		
7		·		1 - Rapid Test for Hydrophytic Vegetation		
8				2 - Dominance Test is >50%		
9				3 - Prevalence Index is $\leq 3.0^1$		
		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting		
50% of total cover: <u>17.5</u>) 20% of	total cover:	7	data in Remarks or on a separate sheet)		
Herb Stratum (Plot size: 5')		,		Problematic Hydrophytic Vegetation ¹ (Explain)		
1. Microstegium vimineum	60	\checkmark	FAC			
_{2.} Apocynum cannabinum	20		FACU	The discrete section of the discrete section of the discrete section of the		
_{3.} Verbesina alternifolia	10		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
4. Lonicera japonica	5		FACU	Definitions of Four Vegetation Strata:		
_{5.} Solidago sp.	5			Deminions of Four Vegetation offata.		
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or		
7				more in diameter at breast height (DBH), regardless of height.		
8				noight.		
0				Sapling/Shrub – Woody plants, excluding vines, less		
3				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
10						
11	100			Herb – All herbaceous (non-woody) plants, regardless		
50% of total cover: <u>50</u>		= Total Cove total cover:	r 20	of size, and woody plants less than 3.28 ft tall.		
201	20% 01	lotal cover.	20	Woody vine - All woody vines greater than 3.28 ft in		
Woody Vine Stratum (Plot size: 30)				height.		
1						
2						
3		·				
4				Hydrophytic		
5				Vegetation		
		= Total Cove		Present? Yes No ✓		
50% of total cover: 0	20% of	total cover:	0			
Remarks: (Include photo numbers here or on a separate sheet.)						
The percentage of plant species rated OBL, FAC	CW, or F	AC is less	than 50	%; therefore, the vegetation is upland		

dominant.

Profile Desc	ription: (Describe to	the depth	needed to docun	nent the in	ndicator o	or confirm	the absence of indicators.)
Depth	Matrix			x Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-2	10 YR 3/3	100					SiL
2-12	10 YR 3/4	100					SiL
·							
1 Type: C=Cc	oncentration, D=Deple	tion RM-Re	educed Matrix MS	-Masked	Sand Gra	ains	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil I	· · · · ·						Indicators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)			2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be	()	e (S8) (M	LRA 147.	
Black Hi	,		Thin Dark Su				(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye	. ,	•	, -,	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mat		,		(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S	. ,	6)		Very Shallow Dark Surface (TF12)
	Below Dark Surface	(A11)	Depleted Dar	k Surface	(F7)		Other (Explain in Remarks)
Thick Da	ark Surface (A12)	. ,	Redox Depre	ssions (F8	3)		
Sandy M	lucky Mineral (S1) (LF	RR N,	Iron-Mangane	ese Masse	s (F12) (l	RR N,	
MLRA	147, 148)		MLRA 13	6)			
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (I	MLRA 13	6, 122)	³ Indicators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 148	8) wetland hydrology must be present,
Stripped	Matrix (S6)		Red Parent M	laterial (F2	21) (MLR/	A 127, 147	7) unless disturbed or problematic.
Restrictive L	ayer (if observed):						
Туре:			_				
Depth (inc	ches): <u>12</u>		_				Hydric Soil Present? Yes No _✓

Remarks:

The soil lacks a low-chroma matrix (i.e., chroma 1, or chroma 2 with high-chroma mottles) at 10", and no other hydric soil indicators were observed. Therefore, the soil at this data point is not hydric.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Allentown Metal Works	City/County: Allentown/Lehigh	Sampling Date: 12/12/2019
Applicant/Owner: Pennoni	State: PA	Sampling Point: DP4
Investigator(s): David Bonomo	Section, Township, Range: City of Allentown	
Landform (hillslope, terrace, etc.): terrace		
Subregion (LRR or MLRA): MLRA 248 Lat: 40.593507		
Soil Map Unit Name: UmD: Urban Land-Duffield Complex		
Are climatic / hydrologic conditions on the site typical for this time of ye	/	
Are Vegetation, Soil, or Hydrology significantly		oresent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology naturally pr		rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No✓ Hydric Soil Present? Yes No✓ Wetland Hydrology Present? Yes No✓	Is the Sampled Area within a Wetland? Yes	No∕
Remarks:	•	
There were no wetland indicators present during our vis	sit, therefore this is an upland data point	

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) 	 True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks) 	
Aquatic Fauna (B13)		FAC-Neutral Test (D5)
Water Table Present? Yes N	o	Wetland Hydrology Present? Yes No✓
	,	g our site visit. Because two secondary indicators
are required (in the absence of any p	rimary indicators) to establish wet	and hydrology, wetland hydrology was

determined to be absent from this data point location.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: DP4

VEGETATION (Four Strata) – Use scientific ha	ames or	plants.		Sampling Pu		·
Tree Stratum (Plot size: 30')	Absolute	Dominant Species?		Dominance Test worksheet:		
1. Ailanthus altissima	30		FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
2 3				Total Number of Dominant Species Across All Strata:	4	(B)
4 5				Percent of Dominant Species	25	(A/D)
6				That Are OBL, FACW, or FAC:		(A/B)
7				Prevalence Index worksheet:		
··	30	= Total Cov	er	Total % Cover of:	Multiply by:	
50% of total cover: <u>15</u>	20% of	total cover:		OBL species x	1 =	_
Sapling/Shrub Stratum (Plot size: 15')				FACW species x	2 =	_
1. Lonicera tatarica	25	✓	FACU	FAC species x		
2. Buddleja davidii	10	$\overline{\checkmark}$	FACU	FACU species x		
				UPL species x		
3 4				Column Totals: (A		
5				Prevalence Index = B/A =		
6				Hydrophytic Vegetation Indica		-
7						
8				1 - Rapid Test for Hydrophy		
9				2 - Dominance Test is >50%		
•	35	= Total Cov	er	3 - Prevalence Index is ≤3.0		
50% of total cover:17.5				4 - Morphological Adaptation		porting
Herb Stratum (Plot size: 5')				data in Remarks or on a	• • •	
1. Microstegium vimineum	60	\checkmark	FAC	Problematic Hydrophytic Ve	getation ¹ (Expla	n)
2. Verbesina alternifolia	10		FAC			
3. Artemisia vulgaris	5		UPL	¹ Indicators of hydric soil and wet		nust
4. Solidago sp.	5		FAC	be present, unless disturbed or p		
				Definitions of Four Vegetation	Strata:	
5				Tree – Woody plants, excluding	vines, 3 in. (7.6	cm) or
6				more in diameter at breast heigh		
7				height.		
8				Sapling/Shrub - Woody plants,	excluding vines	less
9				than 3 in. DBH and greater than		
10				m) tall.		
11	<u> </u>			Herb – All herbaceous (non-woo	dy) plants, rega	rdless
		= Total Cov		of size, and woody plants less th	an 3.28 ft tall.	
50% of total cover: <u>40</u>	20% of	total cover:	16	Woody vine – All woody vines g	reater than 3.28	ft in
Woody Vine Stratum (Plot size: 30')				height.		
1						
2						
3						
4						
5.				Hydrophytic Vegetation		
	0	= Total Cov		Present? Yes	No 🖌	
50% of total cover:0		total cover:	•			
Remarks: (Include photo numbers here or on a separate sl	heet.)			1		
The percentage of plant species rated OBL, FAC	CW or E	AC is less	than 50	%: therefore, the vegetation	is upland	

The percentage of plant species rated OBL, FACW, or FAC is less than 50%; therefore, the vegetat dominant.

Profile Desc	ription: (Describe to	o the depth	needed to docun	nent the in	dicator o	or confirm	the absence of in	dicators.)	
Depth	Matrix		Redo	x Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-14	10 YR 2/1	100					SiL		
				·		·	·		
				·		·			
						·			
	oncentration, D=Deple		duced Metrix MS	-Maakad	Sond Cro	·	² Location: DL – Do	re Lining, M=Matrix.	
Hydric Soil				=iviaskeu	Sanu Gra			for Problematic Hy	dric Soils ³ :
Histosol			Dark Surface	(97)				/luck (A10) (MLRA 1	
	vipedon (A2)		Polyvalue Be	()	e (S8) (M	I R A 147		Prairie Redox (A16)	
Black Hi			Thin Dark Su				•	RA 147, 148)	
	n Sulfide (A4)		Loamy Gleye	. ,	•	,,	•	ont Floodplain Soils	(F19)
	Layers (A5)		Depleted Mat		_/			RA 136, 147)	()
	ck (A10) (LRR N)		Redox Dark S	. ,	5)		•	Shallow Dark Surface	(TF12)
	Below Dark Surface	(A11)	Depleted Dar	```	,			(Explain in Remarks	, ,
	ark Surface (A12)	· · ·	Redox Depre						
	lucky Mineral (S1) (L	RR N,	Iron-Mangane			.RR N,			
MLRA	147, 148)		MLRA 13	6)	. , .				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (N	ILRA 13	6, 122)	³ Indicator	rs of hydrophytic veg	etation and
Sandy R	edox (S5)		Piedmont Flo	odplain So	ils (F19)	(MLRA 148	B) wetland	hydrology must be	present,
Stripped	Matrix (S6)		Red Parent M	laterial (F2	21) (MLR/	A 127, 147)) unless o	disturbed or problem	atic.
Restrictive I	ayer (if observed):								
Туре:			_						
Depth (ind	ches):		_				Hydric Soil Pres	sent? Yes	No 🖌

Remarks:

The soil lacks a low-chroma matrix (i.e., chroma 1, or chroma 2 with high-chroma mottles) at 10", and no other hydric soil indicators were observed. Therefore, the soil at this data point is not hydric.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Allentown Metal Works	City/County: Allentowr	n/Lehigh	Sampling Date: <u>12/12/2019</u>
Applicant/Owner: Pennoni		State: PA	Sampling Point: DP5
Investigator(s): David Bonomo	Section, Township, Rang	ge: City of Allentowr	n
	Local relief (concave, conve		
Subregion (LRR or MLRA): MLRA 248 Lat: 40.			
Soil Map Unit Name: Ho: Holly silt loam		NWI classific	cation: None
Are climatic / hydrologic conditions on the site typical for this	/		
Are Vegetation, Soil, or Hydrologys	ignificantly disturbed? Are "N	ormal Circumstances"	present? Yes 🖌 No
Are Vegetation, Soil, or Hydrology n	aturally problematic? (If nee	ded, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sampling point lo	cations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes N	\sim Is the Sampled A	Area	
Hydric Soil Present? Yes N	within a Wetland		No 🗸
Wetland Hydrology Present? Yes N	o √		
Remarks:			

There were no wetland indicators present during our visit, therefore this is an upland data point.

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) 	
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective)	Wetland Hydrology Present? Yes No ections), if available:
Remarks:	
Only one secondary indicator of wetland hydrology was observed dur	•

Only one secondary indicator of wetland hydrology was observed during our site visit. Because two secondary indicators are required (in the absence of any primary indicators) to establish wetland hydrology, wetland hydrology was determined to be absent from this data point location.

VEGETATION (Four Strata) – Use scientific names of plants.

Sam	olina	Point:	
oun	pinig	i onit.	

DP5

	Absoluto	Dominant I	adicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		
	40		FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2. Ailanthus altissima	30		FACU	
				Total Number of Dominant Species Across All Strata: 5 (B)
3		·		Species Across All Strata:5 (B)
4		·		Percent of Dominant Species
5		·		That Are OBL, FACW, or FAC: 40 (A/B)
6		·		Prevalence Index worksheet:
7				
	70	= Total Cove	r	Total % Cover of: Multiply by:
50% of total cover: <u>35</u>	20% of	total cover:	14	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Lonicera tatarica	20	\checkmark	FACU	FAC species x 3 =
2				FACU species x 4 =
				UPL species x 5 =
3				Column Totals: (A) (B)
4				
5				Prevalence Index = B/A =
6		·		Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				
	20	= Total Cove	r	3 - Prevalence Index is $\leq 3.0^1$
50% of total cover: 10				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')		_		data in Remarks or on a separate sheet)
1. Microstegium vimineum	30	\checkmark	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Verbesina alternifolia	15		FAC	
Socia on	10			¹ Indicators of hydric soil and wetland hydrology must
		·		be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5		·		Tree March plants such discuires 2 in (7.0 cm) or
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11	55	Tatal Cause		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: _ 27.		= Total Cover		
201	<u> </u>	total cover.		Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30)				height.
1		·		
2		·		
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cove	r	Present? Yes No 🗸
50% of total cover: 0		total cover:	-	
Remarks: (Include photo numbers here or on a separate s				1
The percentage of plant species rated OBL, FA	,		than 50	1%: therefore, the vegetation is upland
The percentage of plant species fated OBL, FA	$\cup vv, \cup \Gamma$		u ari 30	

dominant.

Profile Desc	ription: (Describe to	the depth	n the absence of indicators.)						
Depth	Matrix Redox Features								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks		
0-2	10 YR 2/2	100					SL		
2-10	10 YR 4/4	100					SL		
·									
. <u></u>									
. <u></u>									
1 Type: C=Cc	oncentration, D=Deple	tion RM=Re	educed Matrix MS	S=Masked	Sand Gra	ains	² Location: PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators:				, maenea			Indicators for Problematic Hydric Soils ³ :		
Histosol	(A1)		Dark Surface	(S7)			2 cm Muck (A10) (MLRA 147)		
Histic Epipedon (A2)			Polyvalue Be	()	e (S8) (M	LRA 147,			
Black Histic (A3)			Thin Dark Su		· / ·		(MLRA 147, 148)		
Hydroge	n Sulfide (A4)		Loamy Gleye	. ,	•		Piedmont Floodplain Soils (F19)		
	Layers (A5)		Depleted Ma		,		(MLRA 136, 147)		
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface (F	6)		Very Shallow Dark Surface (TF12)		
Depleted	Below Dark Surface	(A11)	Depleted Dark Surface (F7)				Other (Explain in Remarks)		
Thick Da	rk Surface (A12)		Redox Depressions (F8)						
Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N,					_RR N,				
MLRA 147, 148) MLRA 136)									
Sandy Gleyed Matrix (S4)			Umbric Surfa	Umbric Surface (F13) (MLRA 136, 122)			³ Indicators of hydrophytic vegetation and		
			Piedmont Flo	odplain So	oils (F19)	(MLRA 148	(18) wetland hydrology must be present,		
Stripped	Matrix (S6)		Red Parent N	Aaterial (F2	21) (MLR/	A 127, 147)	7) unless disturbed or problematic.		
Restrictive Layer (if observed):									
Туре:									
Depth (inches):					Hydric Soil Present? Yes No _✓				

Remarks:

The soil lacks a low-chroma matrix (i.e., chroma 1, or chroma 2 with high-chroma mottles) at 10", and no other hydric soil indicators were observed. Therefore, the soil at this data point is not hydric.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Allentown Metal Works	City/County: Allentown/Lehigh	Sampling Date: 01/17/2020					
Applicant/Owner: Pennoni	State: PA	Sampling Point: DP6					
Investigator(s): David Bonomo	Section, Township, Range: City of Allentowr	1					
Landform (hillslope, terrace, etc.): terrace							
Subregion (LRR or MLRA): MLRA 248 Lat: 40.595419							
Soil Map Unit Name: Ho: Holly silt loam	NWI classific	ation: None					
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes 🧹 No (If no, explain in R	emarks.)					
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal Circumstances" p	oresent? Yes 🖌 No					
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answe	natic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects	, important features, etc.					
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland? Yes	No✓					
Remarks:							
There were no wetland indicators present during our visit, therefore this is an upland data point.							

HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
	Dry-Season Water Table (C2)
 Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) 	Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect Remarks:	Wetland Hydrology Present? Yes No✓
No indicators of wetland hydrology were observed during our site visit.	

VEGETATION (Four Strata) – Use scientific names of plants

Sam	nling	Dair	. 4 .
-29UU	1)1111111	POI	11

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Poin	t: <u>DP6</u>
Tree Stratum (Plot size: 30')	Absolute	Dominant		Dominance Test worksheet:	
		Species?		Number of Dominant Species	2
1. Juglans nigra 2. Acer negundo	<u> </u>	•	FACU FAC	That Are OBL, FACW, or FAC:	3 (A)
	10		FAC	Total Number of Dominant	-
3				Species Across All Strata:	5 (B)
4				Percent of Dominant Species	
5				That Are OBL, FACW, or FAC:	60 (A/B
6				Prevalence Index worksheet:	
7	40			Total % Cover of:	Multiply by:
50% of total array 20		= Total Cove	•	OBL species x 1	
50% of total cover: <u>20</u> Sapling/Shrub Stratum (Plot size: 15')	20% 01	total cover:	0	FACW species x 2	
<u>Sapling/Shrub Stratum</u> (Plot size: 15') 1. Lonicera tatarica	20	./	FACU	FAC species x 3	
2. Acer negundo	10	<u> </u>	FAC	FACU species x 4	
3. Juglans nigra	10		FACU	UPL species x 5	
A Ailanthus altissima	10		FACU	Column Totals: (A)	
	10		FACU		(B)
5				Prevalence Index = B/A =	
6				Hydrophytic Vegetation Indicato	rs:
7				1 - Rapid Test for Hydrophytic	Vegetation
8				✓ 2 - Dominance Test is >50%	
9				3 - Prevalence Index is ≤3.0 ¹	
05		= Total Cove		4 - Morphological Adaptations	¹ (Provide supportin
50% of total cover: <u>25</u> Herb Stratum (Plot size: 5')	20% of	total cover:	10	data in Remarks or on a se	
	30	/	ГЛС	Problematic Hydrophytic Vege	etation ¹ (Explain)
1. Microstegium vimineum	20	<u> </u>	FAC FAC		
2. Verbesina alternifolia	-			¹ Indicators of hydric soil and wetlar	nd hvdroloav must
3. Toxicodendron radicans	10		FACU	be present, unless disturbed or pro	
4. <u>Celastrus orbiculatus</u>	10		FACU	Definitions of Four Vegetation S	trata:
5. Rubus phoenicolasius	10		FACU	Tree – Woody plants, excluding vir	nes 3 in (76 cm) o
6				more in diameter at breast height (
7				height.	, ,
8				Sapling/Shrub – Woody plants, ex	cluding vines less
9				than 3 in. DBH and greater than or	
10				m) tall.	
11				Herb – All herbaceous (non-wood)) plants, regardless
		= Total Cove		of size, and woody plants less than	
50% of total cover: <u>40</u>	20% of	total cover:	16	Woody vine – All woody vines gre	ater than 3 28 ft in
Woody Vine Stratum (Plot size: 30')		,		height.	
1. Vitis sp.	10	\checkmark			
2					
3					
4				Hydrophytic	
5				Hydrophytic Vegetation	
	10	= Total Cove	er		No
50% of total cover: <u>5</u>	20% of	total cover:	2		
Pomarka: (Includo photo numbora horo or on a conarato a	heat)			1	

Remarks: (Include photo numbers here or on a separate sheet.)

Vitis sp. was not identified and can be rated as FACW or FACU. However, even if vegetation is presumed to be hydrophytic, the location lacks hydrology and hydric soils.

Profile Desc	ription: (Describe to	o the depth	needed to docun	nent the ir	ndicator o	or confirm	the absence o	f indicators.)
Depth	Matrix			K Features	5			
(inches)	Color (moist)	%	<u>Color (moist)</u> % <u>Type¹</u> Loc ²			Loc ²	Texture	Remarks
0-12	10 YR 2/2	100					SiL	
	·							
·								
	oncentration, D=Deple	etion, RM=R	educed Matrix, MS	=Masked	Sand Gra	ains.		=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicate	ors for Problematic Hydric Soils ³ :
<u> </u>	(A1)		Dark Surface	(S7)			2 c	m Muck (A10) (MLRA 147)
Histic Epipedon (A2)			Polyvalue Be	low Surfac	e (S8) (M	LRA 147,	148) <u>Co</u>	ast Prairie Redox (A16)
Black His	stic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)	((MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (F	-2)		Pie	dmont Floodplain Soils (F19)
Stratified	Layers (A5)		Depleted Mat	rix (F3)			((MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark Surface (F6)					ry Shallow Dark Surface (TF12)
-	Below Dark Surface	(A11)	Depleted Dark Surface (F7)				Oth	ner (Explain in Remarks)
	rk Surface (A12)		Redox Depressions (F8)					
	ucky Mineral (S1) (L l	RR N,	Iron-Manganese Masses (F12) (LRR N,					
	. 147, 148)		MLRA 130	5)				
	leyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)					ators of hydrophytic vegetation and
-	edox (S5)		Piedmont Floodplain Soils (F19) (MLRA 148					and hydrology must be present,
Stripped Matrix (S6) Red Parent				laterial (F2	21) (MLR	A 127, 147) unle	ss disturbed or problematic.
	ayer (if observed):							
_{Type:} <u>Rock</u>			_					
Depth (inches): <u>12</u>							Hydric Soil P	Present? Yes No 🖌

Remarks:

The soil lacks a low-chroma matrix (i.e., chroma 1, or chroma 2 with high-chroma mottles) at 10", and no other hydric soil indicators were observed. Therefore, the soil at this data point is not hydric.

Sect. G.6 – Historic Preservation Act



Commonwealth of Pennsylvania **Pennsylvania Historical and Museum Commission Bureau for Historic Preservation** Commonwealth Keystone Building, 2nd Floor 400 North Street Harrisburg, PA 17120-0093 <u>www.phmc.state.pa.us</u>

26 October 2015

Mr. David Kimmerly Bureau of Planning & Zoning 435 Hamilton Street Allentown, PA 18101-1699

> RE: ER No. 2015-0609-077-C HUD: Allentown Metal Works Revitalization Allentown, Lehigh County

Dear Mr. Kimmerly:

Thank you for submitting information concerning the above referenced project. The Bureau for Historic Preservation (the State Historic Preservation Office) 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 <u>et seq</u>. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Archaeological Resources

In our opinion no archaeological resources will be affected by this project.

Above Ground Resources

Based on the information provided and contained within our files, the proposed project has the potential to affect two historic properties. The Traylor Engineering & Manufacturing Company was determined eligible for listing in the National Register of Historic Places in 2015, under Criterion A in the area of Industry, with a period of significance of 1905 to ca. 1959. The Mack Brothers Motor Car Company was determined eligible for listing in the National Register of Historic Places in 2015, under Criterion A in the area of Industry, with a period of significance of 1904. The proposed project includes retention of a large building (identified as Building A in the submitted documentation) historically associated with the Mack Brothers Motor Car Company; no additional work is proposed elsewhere on the historic property. The project also proposes demolition of four of the six buildings historically associated with the Traylor Engineering & Manufacturing Company. Therefore, it is our opinion that this project will have an effect on historic properties. Furthermore, it is our opinion that this project will adversely affect the National Register-eligible Traylor Engineering & Manufacturing Company. To comply with the regulations of the Advisory Council on Historic Preservation, the federal agency must follow the procedures outlined in 36 CFR 800.6, when the effect is adverse. The federal agency, or those acting on their behalf, will need to notify the Advisory Council of the effect finding and continue to consult with the Bureau for Historic Preservation to seek ways to avoid, minimize, or mitigate the effects on historic properties.

While we understand that demolition of four smaller buildings is necessary to allow for the retention and re-use of the three largest buildings on the site, it is our opinion that this plan will *minimize* the effect of the undertaking on historic properties; however, measures must also be sought to *mitigate* the effect of the undertaking on historic properties. Therefore, we suggest coordinating with our office and other consulting parties to discuss potential mitigation measures further.

2015-0609-077-C D. Kimmerly Page 2 of 2

Lastly, this project has the potential to affect historic properties. In accordance with the regulations for Section 106 (36 CFR 800.2.a.4), federal agencies or those acting on their behalf are required to consider the effects of their undertakings on historic properties in consultation with identified historic preservation stakeholders. Consultation is defined as the process of seeking, discussing and considering the views of other participants and, where feasible, seeking agreement with them regarding matters arising in the Section 106 process. Please provide documentation of your agency's efforts to identify consulting parties with an interest in the effect of this project on historic properties.

For further information or questions concerning this review, please contact Emma Diehl at emdiehl@pa.gov or (717) 787-9121.

Sincerely,

Pr/lonte_

Douglas C. McLearen, Chief Division of Archaeology and Protection

DCM/ekd



Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

May 2, 2016

Mr. David Kimmerly Senior Planner, Bureau of Planning & Zoning 435 Hamilton Street Allentown, PA 18101-1699

RE: 2015-0609-077-F; HUD: Allentown Metal Works Project; Allentown, Lehigh County; Memorandum of Agreement

Dear Mr. Kimmerly,

Thank you for submitting the Memorandum of Agreement for the above-referenced project for our review and execution. The Pennsylvania State Historic Preservation Office (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 <u>et seq</u>. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

The PA SHPO has executed the enclosed Memorandum of Agreement (MOA) regarding the Allentown Metal Works Redevelopment Project in the City of Allentown. Please forward the MOA, along with supporting documentation, to the Advisory Council on Historic Preservation for acceptance.

For future submittals and/or notifications regarding the mitigation stipulations and/or Administrative Condition # 5 (Monitoring and Reporting), please contact Emma Diehl at <u>emdiehl@pa.gov</u> or (717) 787-9121.

Sincerely,

(Ja-Donale

Ms. Andrea L. MacDonald Director, Pennsylvania State Historic Preservation Office

MEMORANDUM OF AGREEMENT

BETWEEN THE CITY OF ALLENTOWN, CITY, ALLENTOWN ECONOMIC DEVELOPMENT CORPORATION, AND THE PENNSYLVANIA STATE HISTORIC PRESERVATION OFFICE REGARDING THE ALLENTOWN METAL WORKS REDEVLOPMENT PROJECT IN THE CITY OF ALLENTOWN, LEHIGH COUNTY, PENNSYLVANIA

Whereas, the City of Allentown is acting as the federal agency for the proposed Allentown Metal Works Redevelopment Project which intends to use funding from an Environmental Protection Agency Revolving Loan Fund grant, and U.S. Department of Housing and Urban Development (HUD) funding under various programs was used to acquire the property, thereby making the project a federal undertaking subject to review under Section 106 of the National Historic Preservation Act (NHPA), 16 USC 470f, and its implementing regulations at 36 CFR Part 800; and

Whereas, the owner of the Allentown Metal Works property is the Allentown Commercial and Industrial Development Authority (ACIDA) and Allentown Economic Development Corporation (AEDC) has a long term lease with ACIDA. AEDC is the developer of the property and intends to redevelop the property for industrial use and AEDC is a concurring party to this agreement, and;

Whereas, The City of Allentown and the Pennsylvania State Historic Preservation Office (PA SHPO) agreed on an Area of Potential Effect which includes the area outlined and as indicated on the attached map; and

Whereas, the proposed undertaking includes the demolition of buildings C, D, E, and F as shown on the attached map; and

Whereas, the City has identified that the Mack Brothers Motor Car Company Plant #2 (building A on the attached map) and the Traylor Engineering and Manufacturing Company (buildings B, C, D, E, F and G on the attached map) are historic properties, eligible for listing in the National Register of Historic Places, and within the project's Area of Potential Effect (APE). The proposed demolition will have an adverse effect on the Traylor Engineering and Manufacturing Company and the PA SHPO has agreed with these findings; and

Whereas, the Allentown Economic Development Corporation has agreed to retain the Mack Brothers Motor Car Company Plant #2 (building A on the attached map) and to retain the remaining buildings associated with the Traylor Engineering and Manufacturing Company (buildings B and G on the attached map), this will minimize the effect of the project on the historic properties; and

Whereas, in accordance with 36 CFR 800.6(1)(1) the Advisory Council for Historic Preservation (ACHP) was notified of the adverse effect to the historic property on January 7, 2016 and given the opportunity to comment and participate in the process pursuant to 36 CFR800.6(a)(1)(iii), ACHP has chosen not to comment or participate; and

Whereas, the City of Allentown has consulted with the Lehigh County Historical Society, Allentown Historical Architectural Review Board, Old Allentown Preservation Association and the Allentown Preservation League who were afforded the opportunity to offer comment during a meeting held on November 19, 2015, and other informal discussions have occurred regarding the proposed demolition; and

Whereas, the project involves ground disturbing activities and therefore in accordance with HUD regulations 24 CFR 58 the Tribal Preservation Officer (TPO) with potential interest in the project location, specifically the Onondaga Nation of New York, was notified on December 23, 2015 and given the opportunity to comment on the project, and have chosen not to comment; and

Now therefore, the City of Allentown, Allentown Economic Development Corporation and the PA SHPO agree to the following mitigation measures to be carried out so as to create ways to foster the communities understanding and appreciation of the historical significance of the Mack Brothers Motor Car Company Plant #2 and the Traylor Engineering and Manufacturing Company.

STIPULATIONS

The City of Allentown shall ensure that the following measures are carried out:

- 1. **Review of Proposed Design Plans.** The Allentown Economic Development Corporation, throughout their ownership of the property, shall provide to the PA SHPO, for their review and comment, a copy of proposed design plans for the property and will notify the PA SHPO of any proposed changes to the exterior of buildings that remain on the property.
- 2. **Salvage of Architectural Details.** Prior to demolition of Traylor Engineering Company buildings C, D, E, and F, Allentown Economic Development Corporation shall provide Allentown Preservation League an opportunity to conduct a walk-through of the buildings to be demolished to identify any exterior or interior architectural features that may be salvaged from the buildings for reuse. If architectural salvage does occur the Allentown Preservation League shall create a list of important interior and/or exterior architectural features to be salvaged from the building. Architectural features salvaged from the building shall be donated to the Allentown Preservation League and transported to the League's warehouse at the expense of Allentown Economic Development Corporation. The date of the walk-through at the project site and list of salvaged architectural features, if any, will be included as part of the annual reporting procedures outlined in Administrative Condition 5 contained in this document.
- 3. **Public Interpretation.** Allentown Economic Development Corporation shall create a public historic interpretive panel documenting the history and significance of the Mack Brothers Motor Company Plant #2. The panel is to be located on or near the Mack Brothers Motor Company Plant #2 on South 6th Street. The panel shall include a website reference and/or a QR code that directs the reader to the Allentown History website and interactive map currently being developed by the City of Allentown. A draft of the interpretive panel and proposed location shall be reviewed by the PA SHPO prior to fabrication and installation. After the interpretive panel has been put in place it will remain in place for a period of at least 5 years. After 5 years it is at the option of Allentown Economic Development Corporation or the current owner of the property to retain the interpretive panel. Photographs showing the final installation of the public display will be provided to the PA SHPO for inclusion in their files and included as part of the annual reporting procedures outlined in Administrative Condition 5 contained in this document.

A. Administrative Conditions

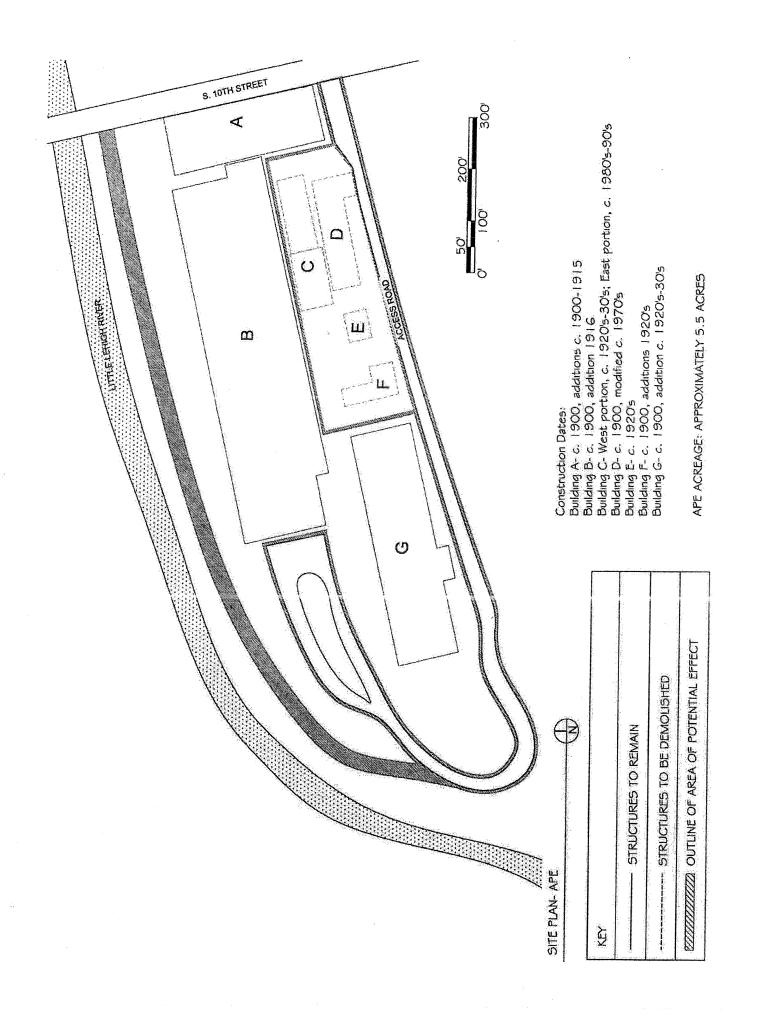
- 1. **Dispute Resolution.** Should any signatory or concurring party to this agreement object to the implementation of the terms of this agreement, that party shall consult with the other signatories of the agreement to resolve objection. If the signatories cannot resolve the objection to mutual satisfaction the PA SHPO shall contact the ACHP and provide all pertinent project documentation for ACHP review. Within 30 days of the receipt of the project documentation the ACHP will respond with recommendations. If the ACHP does not respond within 30 days the City of Allentown may make a decision on the dispute and proceed accordingly. Prior to reaching such a decision the City of Allentown shall prepare a written response that takes into account any timely comments regarding the dispute from the signatories and concurring parties to this agreement and provide copies of the comments to the ACHP
- 2. **Post Review Discoveries.** If any unanticipated discoveries of historic properties or archaeological sites are encountered during the implementation of this undertaking all work in the APE will be suspended. Allentown Economic Development Corporation shall notify the PA SHPO and shall, within three days meet at the location of the discovery to determine appropriate treatment of the discovery.
- 3. Amendments and Addenda. If any signatory of this agreement believes that an amendment or an addendum to this agreement is necessary, that party shall immediately notify the other parties and request consultation to consider an amendment or addendum to the agreement. If an amendment or addendum is deemed necessary the parties of this agreement shall consult in accordance with 36 CFR Part 800.5(e)(5).
- 4. **Termination.** Any signatories of this agreement may terminate the agreement by providing 30 days written notice to the other signatories, provided that the parties will consult during the period prior to termination to seek agreement on amendments or other action that would avoid termination. In the event of termination, compliance must be reached in accordance with 36 CFR Part 800.4.
- 5. **Monitoring and Reporting.** Twice a year following the execution of the agreement, until it expires or is terminated, the City of Allentown shall provide all parties to this agreement a summary report detailing work undertaken pursuant to its terms. Such report shall include any scheduling changes proposed,

any problems encountered, and any disputes and objections received in the City's efforts to carry out the terms of this agreement.

6. **Duration.** This agreement will expire if the terms are not carried out within 5 years from the date of its execution. Prior to such time the City of Allentown may consult with other signatories to reconsider the terms of this agreement and amend it in accordance with administrative condition 3 above (Amendments and Addenda).

SIGNATORIES:

City of Allentown
By:
Printed Name/TitleEd Pawlowski, Mayor
Pennsylvania State Historic Preservation Office By:
Printed Name/Title_Andrea MacDonald, Deputy Historic Preservation Officer
Concurring party:
Allentown Economic Development Corporation
By: Date 4.4.16
Printed Name/Title R. Scott Unger, Executive Director



Sect. G.7 – PNDI

1. PROJECT INFORMATION

Project Name: Allentown Metal Works Date of Review: 8/1/2022 04:07:10 PM Project Category: Development, New commercial/industrial development (store, gas station, factory) Project Area: 20.72 acres County(s): Lehigh Township/Municipality(s): ALLENTOWN ZIP Code: Quadrangle Name(s): ALLENTOWN EAST Watersheds HUC 8: Lehigh Watersheds HUC 12: Little Lehigh Creek-Lehigh River Decimal Degrees: 40.594826, -75.478121 Degrees Minutes Seconds: 40° 35' 41.3753" N, 75° 28' 41.2358" W

2. SEARCH RESULTS

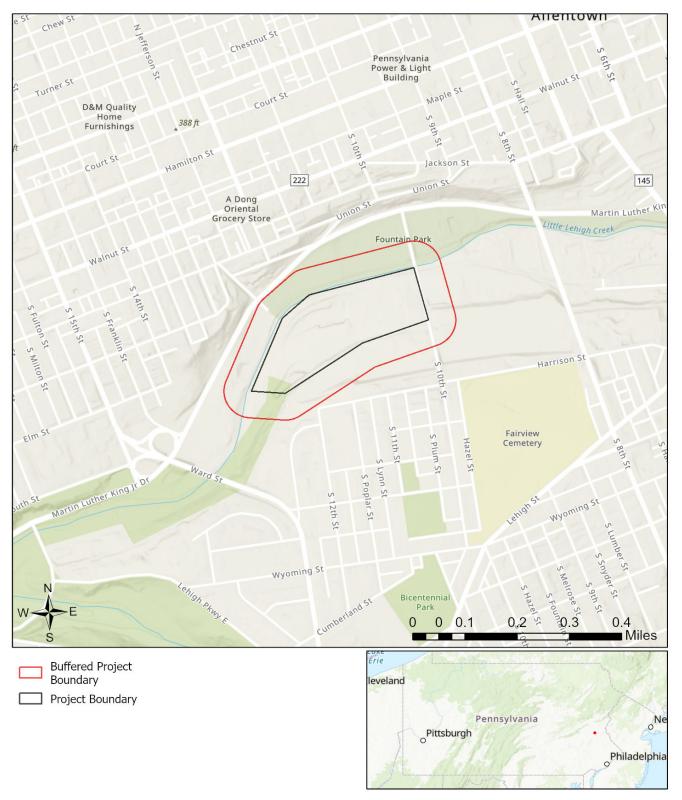
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No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

Allentown Metal Works



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community



Allentown Metal Works

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap 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 (<u>www.naturalheritage.state.pa.us</u>). 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: <u>RA-HeritageReview@pa.gov</u>

PA Fish and Boat Commission

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

U.S. Fish and Wildlife Service

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

PA Game Commission Bureau of Wildlife Management Division of Environmental Review 2001 Elmerton Avenue, Harrisburg, PA 17110-9797 Email: <u>RA-PGC_PNDI@pa.gov</u> NO Faxes Please

7. PROJECT CONTACT INFORMATION

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Company/Busir	ness Name: Pennoni Asso	ciates Inc.	with	I E Maler Cal	
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City, State, Zip:	Bethlehem, PA 18017	and the second		1.123 Con	
Phone: (610)		Fax:()		
Email: khaydt@	@pennoni.com			2 - NU	

8. CERTIFICATION

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

applicant/project proponent signature

8/1/22

date

Sect. H – Alternative Sewage Facilities Analysis

Alternatives Analysis

The fact that there are public sewers located within the street rights-of-way adjacent to the project site, the only design option considered was a connection to the existing sewers, as required by the City. It has been confirmed that the Authority will have capacity to receive the sewage flows from the proposed development, in the collection system and the treatment plant.