



CITY OF ALLENTOWN

30024

RESOLUTION

R91 – 2020

Introduced by the Administration on August 5, 2020

Sewage Planning Module for Barnes Lane Subdivision - 2710 Barnes Lane

Resolved by the Council of the City of Allentown, That

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 (Department) 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

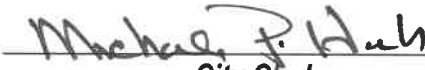
WHEREAS, Barnes Land Development, LLC has proposed the development of a parcel of land identified as Barnes Lane Subdivision and described in the Sewage Facilities Planning Module, and proposes that such subdivision be served by: sewer tap-ins and sewer extension

WHEREAS, City of Allentown finds that the subdivision described in the 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 Council members of the City of Allentown hereby adopt and submit to the Department of Environmental Protection for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module.

	Yea	Nay
Candida Affa	X	
Julio A. Guridy, VP	X	
Ce-Ce Gerlach	X	
Cynthia Mota	X	
Joshua Siegel	X	
Ed Zucal	X	
Daryl Hendricks, Pres.	X	
TOTAL	7	0

THIS IS TO CERTIFY, That the above copy of Resolution No. 30024 was adopted by the City Council of Allentown on the 5th day of August, 2020, and is on file in the City Clerk's Office.


 City Clerk

ARTHUR A. SWALLOW ASSOCIATES, LLC
1003-1005 N. 19th Street • Allentown, PA 18104
610-820-6470 • Fax: 610-820-5947
www.aasasurvey.com



BARNES LANE SUBDIVISION

**CITY OF ALLENTOWN
LEHIGH COUNTY, PA**

PLANNING MODULE FOR LAND DEVELOPMENT

April 22, 2020

PREPARED BY:
ARTHUR A. SWALLOW ASSOCIATES LLC
1003-1005 NORTH 19TH STREET
ALLENTOWN, PA 18104
610-820-6470

ARTHUR A. SWALLOW ASSOCIATES, LLC
1003-1005 N. 19th Street · Allentown, PA 18104
610-820-6470 · Fax: 610-820-5947
www.aasasurvey.com



PROJECT NARRATIVE

Project: Barnes Land Development

This narrative is for Barnes Land Development located in the City of Allentown.

The development area of the project is bounded by the following physical features:

North: US Route 78/ SR 309

South: Appel Street and Residential Properties across the Street

East: A Residential property and City of Allentown Preserved Woodlands

West: Detention basin for Rt78 runoff.

The site is in the following City of Allentown zoning districts:

R-ML Medium Low Density Residential District

R-L Low Density Residential District

The existing 13.5 Acre parcel is accessed off of Appel Street with a formal street entrance called Barnes Lane which was relocated By Penn DOT during Route 78 Widening. The entrance narrows to a winding driveway which services a single family house on this parcel and an adjoining parcel to the east. The parcel is lawn and meadow with patches of trees dispersed across the lot.

The project proposes a public road network with 2 entrances off of Appel Street and 42 single family residential dwelling lots in addition to a smaller lot for the existing house. The lots range in size from approximately 6,000 to 60,000 square feet. The site shall be served by public water and sewer. The development shall require a NPDES permit and shall conform to current DEP and City of Allentown water quality standards for stormwater runoff. The site drains from southeast to northwest with the majority of site runoff draining to the existing Route 78 stormwater detention facility. The proposed on site stormwater detention facilities shall be managed and maintained by a Homeowner's Association.

Date 8/22/2019

Name AASA LAND SURVEYORS
Address 1003 - 1005 N. 19th Street
ALLENTOWN, PA 18104

RE: Planning Module for New Land Development
Subdivision BARNES LANE SUBDIVISION
44 SINGLE RESIDENTIAL LOTS
CITY OF ALLENTOWN, LEHIGH County
DEP Code No: 2-39001220-3

Dear:

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

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

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

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

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

required Checklist

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. Corby

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

CERTIFICATION STATEMENT

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

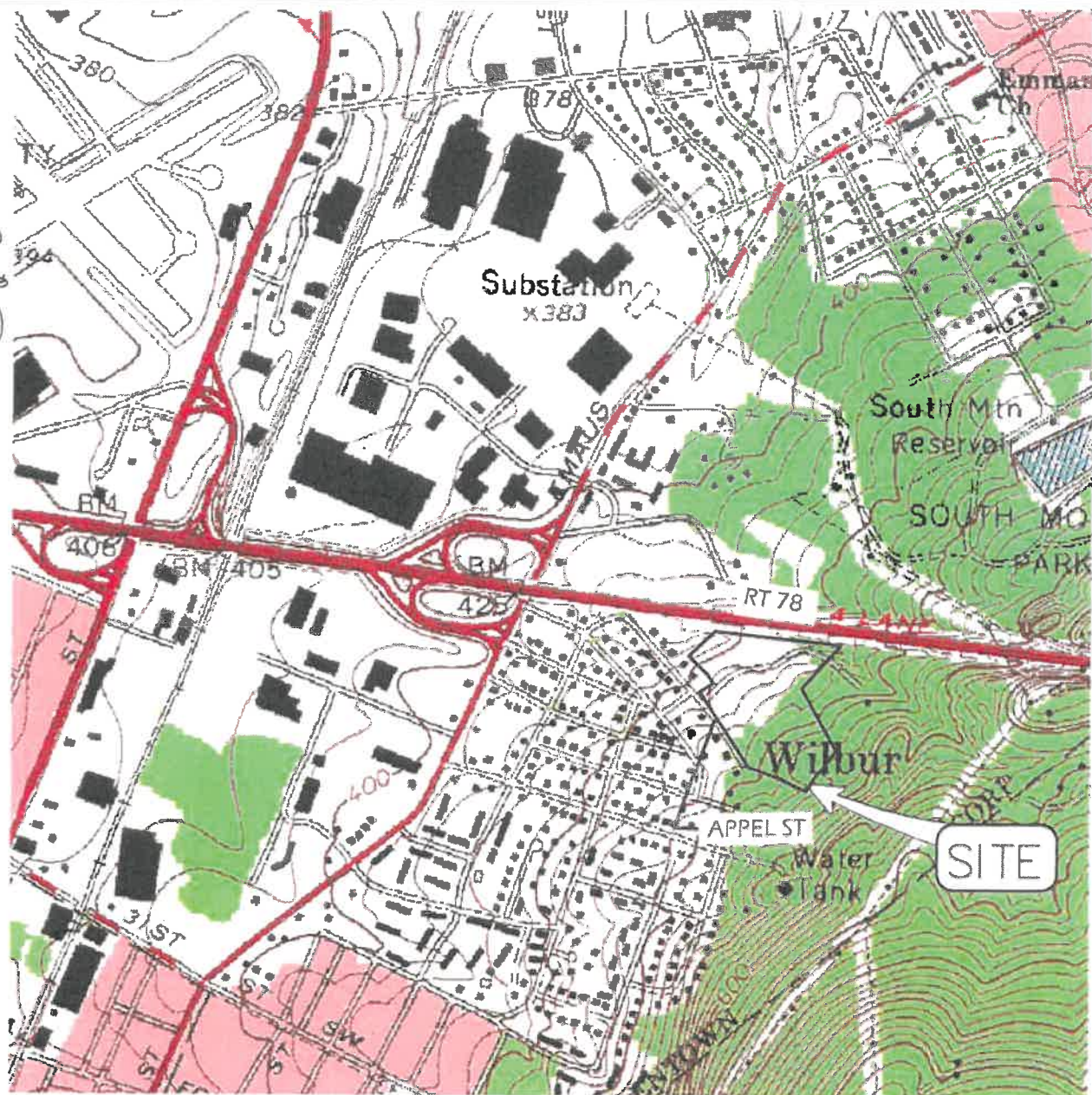
Municipal Address 435 HAMILTON ST.
ALLENTOWN, PA 18101

Municipal Telephone Number 610-437-7539

Signed: _____, Municipal Secretary

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

ARTHUR A. SWALLOW ASSOC. LLC _____



ALLENTOWN, WEST PA
QUADRANGLE SCALE 1" = 1000'
TRACT LOCATION MAP



PLAN DATE 8/21/2019	PROJECT 2701 BARNES LANE	DEED REF. 2019013508
REVISIONS	OWNER BARNES LAND DEVELOPMENT LLC	TAX MAP 640515688974 1
	MUNICIPALITY CITY OF ALLENTOWN (WARD 19)	SHT. NO. 1 of 1
	COUNTY LEHIGH COUNTY	SCALE 1" = 1000'
	STATE PENNSYLVANIA	JOB NO. 5049
AASA Arthur A. Swallow Associates, LLC 1003-1005 North 19th Street Allentown, PA 18104 610-820-6470 · Fax: 610-820-5947 Land Surveyors www.aasasurvey.com		Arthur A. Swallow, PLS PA SU037821 Date NJ GS34492



TRANSMITTAL LETTER FOR SEWAGE FACILITIES PLANNING MODULE

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE # 2-39001220-3	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Arthur A. Swallow Assoc. LLC

 Surveyor/Engineer for Barnes Land Development, LLC ^(Name)

 (Title) City of Allentown (Name)
 a subdivision, commercial, or industrial facility located in _____
 Lehigh _____

 (City, Borough, Township) County.

Check one

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

OR

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

Check Boxes

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

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

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

Michael P. Hanlon
Municipal Secretary (print)

Michael P. Hanlon
Signature

8/15/2016
Date

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

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

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

WHEREAS Barnes Land Development, LLC has proposed the development of a parcel of land identified as
Barnes Lane Subdivision
land developer
name of subdivision
, and described in the attached Sewage Facilities Planning Module, and
proposes that such subdivision be served by: (check all that apply), ☒ sewer tap-ins, ☒ sewer extension, ☐ new treatment facility, ☐ individual onlot systems, ☐ community onlot systems, ☐ spray irrigation, ☐ retaining tanks, ☐ other, (please specify). _____

WHEREAS, City of Allentown
municipality
finds that the subdivision described in the attached
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 City of Allentown hereby adopt and submit to DEP for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module which is attached hereto.

I Michael P. Huh, 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 # 30024, adopted, August 5, 20 20

Municipal Address:

City of Allentown
435 Hamilton Street
Allentown, PA 18101
Telephone (610) 437-7539

Seal of
Governing Body



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DEP Code #:
2-39001220-3

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 Barnes Lane Subdivision

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

1. Date plan received by municipal planning agency May 4, 2020
2. Date review completed by agency July 1, 2020

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

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| ☒ | ☐ | 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 _____ |
| ☒ | ☐ | 4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation? |
| ☐ | ☒ | 5. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impacts _____ |
| ☐ | ☒ | 6. Will any known historical or archaeological resources be impacted by this project?
If yes, describe impacts _____ |
| ☐ | ☒ | 7. Will any known endangered or threatened species of plant or animal be impacted by this project?
If yes, describe impacts _____ |
| ☒ | ☐ | 8. Is there a municipal zoning ordinance? |
| ☒ | ☐ | 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? |

SECTION C. AGENCY REVIEW (continued)**Yes****No**

13. Is this proposal consistent with the ordinance?

If no, describe the inconsistencies _____



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

If no, describe the inconsistencies _____



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

If yes, describe _____

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

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: Irene WoodwardTitle: Director of PlanningSignature: Irene WoodwardDate: 7/1/20Name of Municipal Planning Agency: Allentown City Planning CommissionAddress 435 Hamilton Street, Allentown, PA 18101Telephone Number: (610) 437-7611**SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)**

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

The planning agency must complete this component within 60 days.

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



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

January 20, 2020

Arthur Swallow
Owner
Arthur A. Swallow Associates, LLC
1003 N. 19th Street
Allentown, PA 18104

RE: Barnes Lane Subdivision, 2710 Barnes Lane, City of Allentown
Sewer Module - Chapter 94 Consistency Determination – Appendix A

Dear Mr. Swallow:

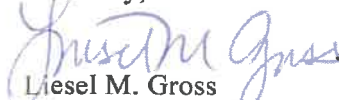
This letter and approval for the attached Sewage Facilities Planning Module is based on the current estimate of available wastewater capacity. This letter does not promise, guarantee or assure any future conveyance or treatment allocation without compliance with all applicable rules and regulations,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

In accordance with the interim Corrective Action Plan and Connection Management Plan submitted to the Pa. Department of Environmental Protection by the Kline's Island Sewer System municipalities on December 31, 2019 and approved by DEP on January 17, 2020, 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 16,800 gallons per day. Therefore, the Connection Management Plan balance will be adjusted as follows:

Connection Management Plan Allocation (gallons per day)	1,500,000
Previously allocated from prior planning module submissions	-445,159
This submission	-16,800
Remaining Allocation in Connection Management Plan	1,038,041

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

Sincerely,


Liesel M. Gross
Chief Executive Officer

cc: Scott Novatnak, DEP
Robert Corby, DEP
Irene Woodward, COA
Craig Messinger, COA
Phil Depoe, LCA

011.20



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)

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #
2-39001220-3				

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

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

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

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

A. PROJECT INFORMATION (See Section A of instructions)

- Project Name Barnes Lane Subdivision
- Brief Project Description
41 single family residential dwelling lots and one lot with an existing house

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

Municipality Name City of Allentown	County Lehigh	City ☒	Boro ☐	Twp ☐
Municipality Contact Individual - Last Name Kimmerly	First Name David	MI MI	Suffix MI	Title Chief Planner
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1 435 Hamilton Street	Mailing Address Line 2			
Address Last Line -- City Allentown	State PA	ZIP+4 18101		
Area Code + Phone + Ext. (610) 437-7611	FAX (optional)	Email (optional)		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Site Location Line 1 Barnes Lane Subdivision		Site Location Line 2		
Site Location Last Line -- City 2710 Barnes Lane	State PA	ZIP+4 18103	Latitude 40°33'42"	Longitude -75°28'14"

Detailed Written Directions to Site

Traveling west on West Emaus Ave. under Rte. 78. Turn right onto 26th SW Street. Follow to Randall Street turn left then right onto Appel Street. Then turn left onto Barnes Lane to the site.

Description of Site

The existing 13.5 Acre parcel is accessed off of Appel Street with a formal street entrance called Barnes Lane. The parcel is lawn and meadow with patches trees dispersed across the lot. There is one existing dwelling on the site which will remain.

Site Contact (Developer/Owner)

Last Name Barnes Land Development, LLC	First Name	MI	Suffix	Phone	Ext.
---	------------	----	--------	-------	------

Site Contact Title	Site Contact Firm (if none, leave blank)
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FAX	Email pbc106@hotmail.com
-----	-----------------------------

Mailing Address Line 1 2240 W. Rock Road	Mailing Address Line 2
---	------------------------

Mailing Address Last Line -- City Allentown	State PA	ZIP+4 18103
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D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name Swallow	First Name Arthur	MI A.	Suffix
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Title PLS - Owner	Consulting Firm Name Arthur A. Swallow Assoc. LLC
----------------------	--

Mailing Address Line 1 1003 N. 19th Street	Mailing Address Line 2
---	------------------------

Address Last Line -- City Allentown	State PA	ZIP+4 18104	Country US
--	-------------	----------------	---------------

Email art@aasasurvey.com	Area Code + Phone (610) 820-6470	Ext.	Area Code + FAX
-----------------------------	-------------------------------------	------	-----------------

E. AVAILABILITY OF DRINKING WATER SUPPLY

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

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

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

Name of water company: City of Allentown (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. PROPOSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)

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

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

☐ New collection system

☐ Pump Station

☐ Force Main

☐ Grinder pump(s)

☒ Extension to existing collection system

☐ Expansion of existing facility

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 42

Connections 42

Name of:

existing collection or conveyance system City of Allentown

owner Lehigh County Authority Lessee/City of Allentown Lessor

existing interceptor Jordan Creek Interceptor

owner Lehigh County Authority Lessee/City of Allentown Lessor

2. WASTEWATER TREATMENT FACILITY

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter(s) 91 (relating to general provisions), 92 (relating to national Pollution Discharge Elimination System permitting, monitoring and compliance) and 93 (relating to water quality standards).

a. Check appropriate box and provide requested information concerning the treatment facility

☐ New facility

☒ Existing facility

☐ Upgrade of existing facility

☐ Expansion of existing facility

Name of existing facility City of Allentown WWTP

NPDES Permit Number for existing facility PA 0026000

Clean Streams Law Permit Number _____

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

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

As an authorized representative of the permittee, I confirm that the Allentown WWTP

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

Name of Permittee Agency, Authority, Municipality City of Allentown, Lehigh County Authority, Agent

Name of Responsible Agent Liesel M. Grogs

Agent Signature Liesel M. Grogs

Date 1/20/2020

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

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

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials BAR

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

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

Name of Permittee Agency, Authority, Municipality _____

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

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

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

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

1. Project Flows 16,800 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd) ^{M60}		b. Present Flows (gpd) ^{M60}		c. Projected Flows in 5 years (gpd) ^{M60} (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	0.76	3.02	0.27	0.98	0.29	1.05
Conveyance	58	81	30	78 ⁽¹⁾	31	80 ⁽¹⁾
Treatment	40	40	32.3	40	33.4	42

3. Collection and Conveyance Facilities ^{(1) Peak Hourly Flow - Estimated}

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

YES NO

- a. ☐ ☒ This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

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

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

- b. Collection System

Name of Agency, Authority, Municipality City of Allentown, Lehigh County Authority, Agent

Name of Responsible Agent Liesel M. Gross

Agent Signature Liesel M. Gross

Date 1/20/2020

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

c. Conveyance System

Name of Agency, Authority, Municipality City of Allentown, Lehigh County Authority, Agent

Name of Responsible Agent Liesel M. Gross

Agent Signature *Liesel M. Gross*

Date 1/20/2020

4. Treatment Facility

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

YES NO

- a. ☒ ☐ This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved CAP granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the planning module.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not impact that status.

- b. Name of Agency, Authority, Municipality City of Allentown, Lehigh County Authority, Agent

Name of Responsible Agent Liesel M. Gross

Agent Signature *Liesel M. Gross*

Date 1/20/2020

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

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

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

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

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

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

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

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

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

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

O. SEWAGE MANAGEMENT (See Section O of instructions)

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

Yes No

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

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

2. Project Flows 16,800 gpd

Yes No

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

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

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System

Name of Responsible Organization City of Allentown, Lehigh County Authority, Agent

Name of Responsible Agent _____

Agent Signature _____

Date _____

- c. Conveyance System

Name of Responsible Organization City of Allentown, Lehigh County Authority, Agent

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

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

Yes No

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

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

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

- b. Name of Facility City of Allentown WWTP
Name of Responsible Agent City of Allentown, Lehigh County Authority, Agent
Agent Signature _____
Date _____

(For completion by the municipality)

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

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

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

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

Yes No

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

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

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

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

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

Bryan A. Ring (Arthur A. Swallow Assoc. LLC)

Name (Print)
Project Manager/Designer

Title
1003 N. 19th Street, Allentown, PA 18104
Address


Signature
Date 7/21/20

(610) 820-6470
Telephone Number

R. REVIEW FEE (See Section R of instructions)

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

- ☐ I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.
- ☐ I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$ 2,100 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 Lehigh County, Pennsylvania

Deed Volume 2019013508 Book Number _____

Page Number _____ Date Recorded May 23, 2019

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.

$$\# \underline{42} \quad \text{Lots (or EDUs) X \$50.00 = \$ } \underline{2,100}$$

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:

$$\# \underline{\hspace{2cm}} \quad \text{Lots (or EDUs) X \$35.00 = \$ } \underline{\hspace{2cm}}$$

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

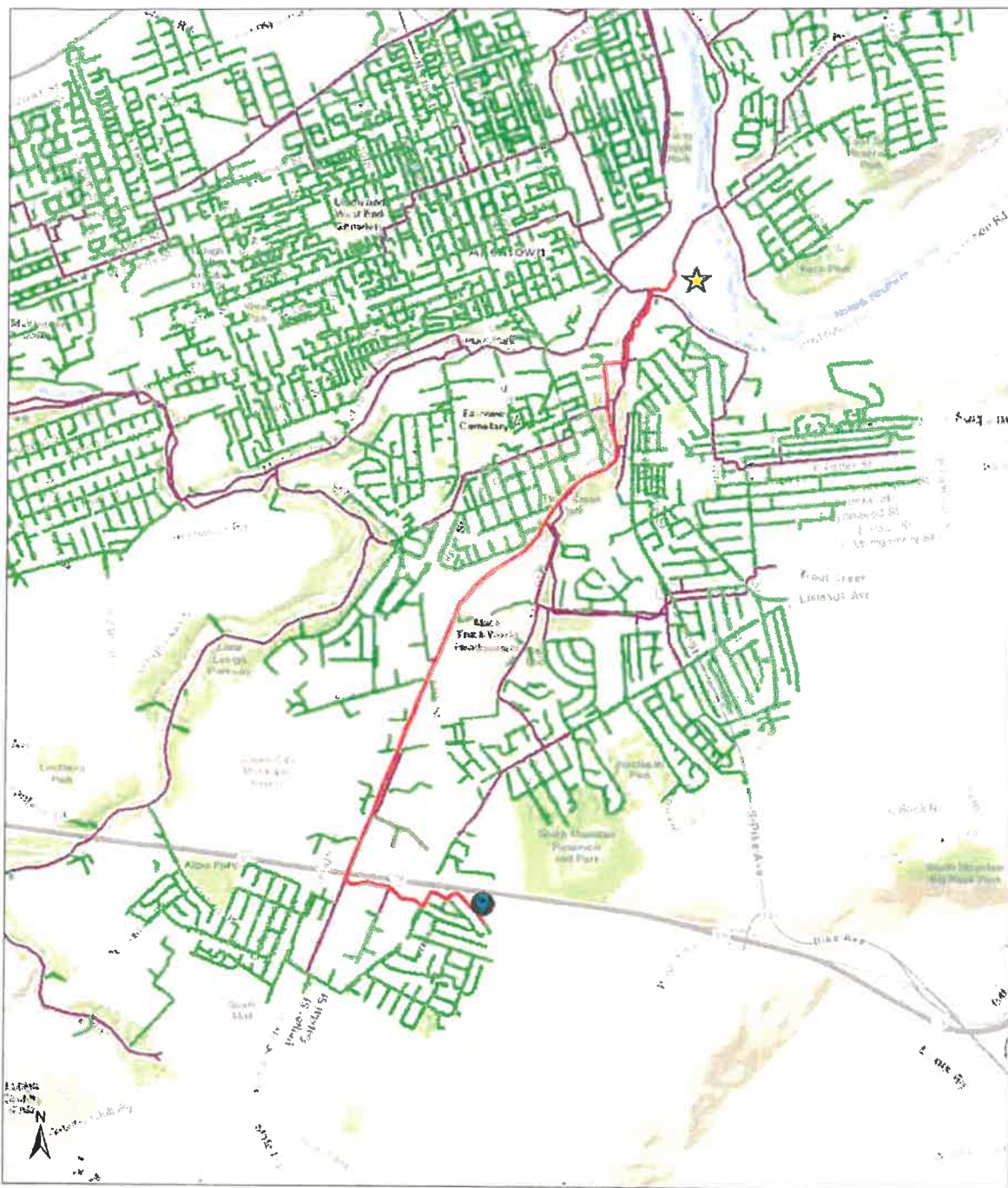
The fee is based upon:

- 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)

2710 Barnes Ln Flow



1/15/2020, 12:47:07 PM

1 inch = 3,009 feet

★ Kline's Island
Sanitary Mains
 Collector Sanitary Main
 Interceptor Sanitary Main

Sources: Esri, HERE
GEBCO, USGS, FA
Ordnance Survey,
OpenStreetMap co



This map is intended for reference only.
Bucks County, PA, Lehigh County PA, State of Ne

Lehigh County Authority

1. PROJECT INFORMATION

Project Name: **Barnes Land Development**

Date of Review: **8/20/2019 12:21:27 PM**

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

Project Area: **18.45 acres**

County(s): **Lehigh**

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

ZIP Code: **18103**

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

Watersheds HUC 8: **Lehigh**

Watersheds HUC 12: **Little Lehigh Creek-Lehigh River**

Decimal Degrees: **40.561643, -75.470461**

Degrees Minutes Seconds: **40° 33' 41.9150" N, 75° 28' 13.6602" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
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 there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

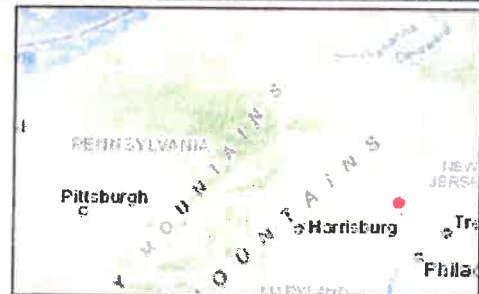
Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 must comply with the bog turtle habitat screening requirements of the PASPGP.

Barnes Land Development

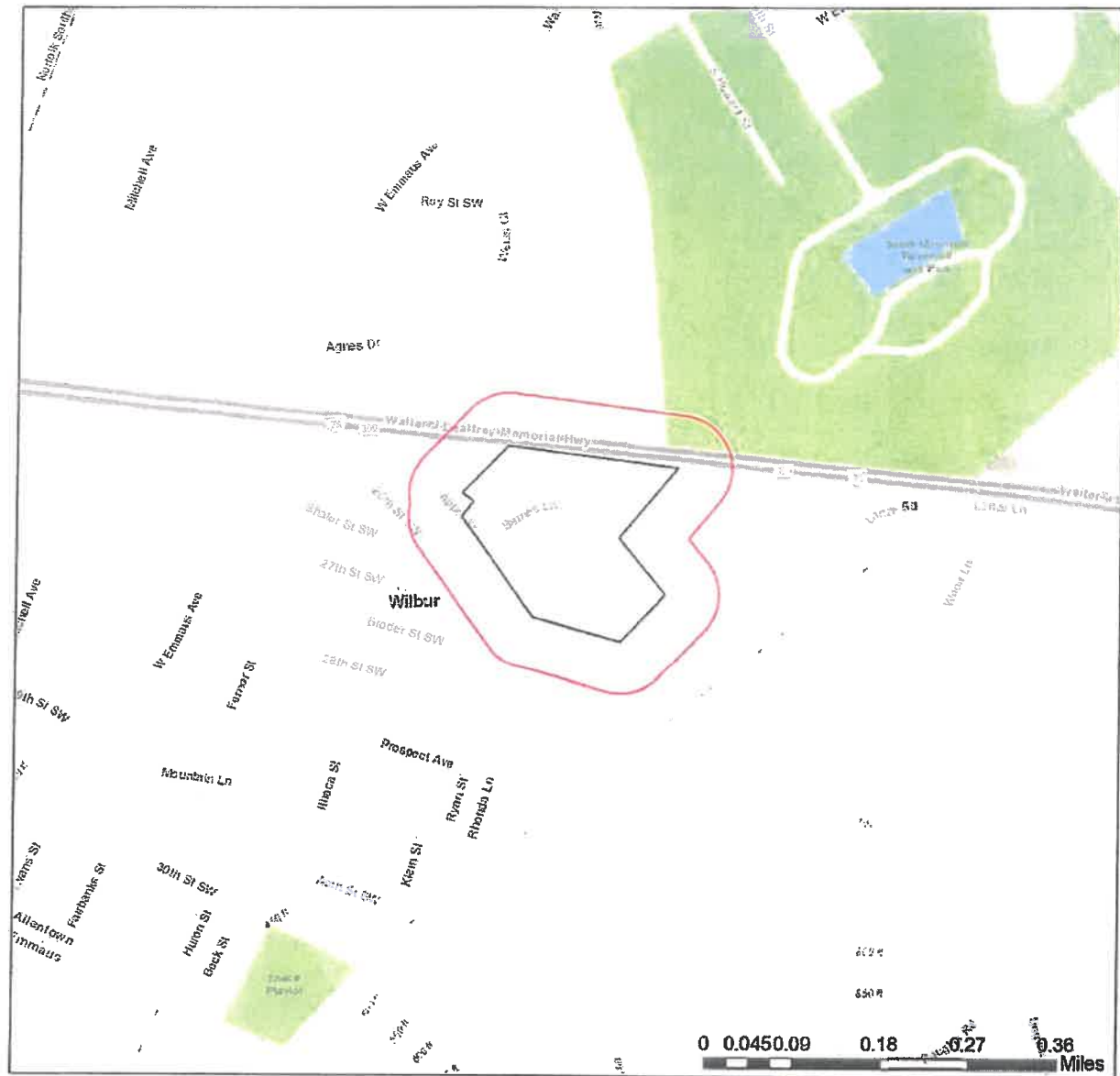


- ☐ Project Boundary
- ☐ Buffered Project Boundary

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

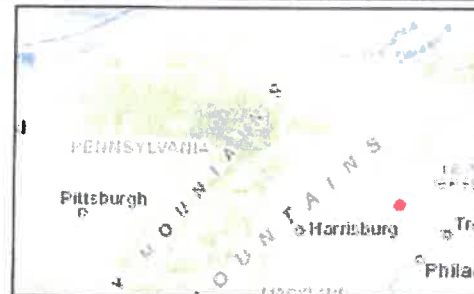


Barnes Land Development



- ☐ Project Boundary
- ☐ Buffered Project Boundary

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



RESPONSE TO QUESTION(S) ASKED

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

Your answer is: The project will affect 1 to 39 acres of forests, woodlots and trees.

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:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

DCNR Species: (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below. After desktop review, if a botanical survey is required by DCNR, we recommend the DCNR Botanical Survey Protocols, available here:

<https://conservationexplorer.dcnr.pa.gov/content/survey-protocols>)

Scientific Name	Common Name	Current Status	Proposed Status	Survey Window
Sensitive Species**		Special Concern Species*	Threatened	Flowers April - May

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.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

***Note:** U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

____ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

____ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

____ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

____ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

____ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

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

5. ADDITIONAL INFORMATION

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

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

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

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

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission

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

PA Game Commission

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

7. PROJECT CONTACT INFORMATION

Name: Stanley J Lalka P.E.
Company/Business Name: Arthur A. Swallow Associates, LLC
Address: 1003 North 19th Street
City, State, Zip: Allentown, PA 18104
Phone: (610) 820-6470 Fax: (610) 820-5947
Email: stan@aasasurvey.com

8. CERTIFICATION

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

applicant/project proponent signature

date

8-20-19