

**PLANNING MODULE DRAFT
DEP CODE #1-23013-???-3J**

**LANCASTER AVENUE HOUSING
RADNOR TOWNSHIP
DELAWARE COUNTY, PENNSYLVANIA**

VILLANOVA UNIVERSITY

**Issued: December 5, 2014
Nave Newell No.: 2011-005.00**

**SEWAGE FACILITIES PLANNING MODULE
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**Villanova University CICD Development
Radnor Township, Delaware County, Pennsylvania**

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l.



**TRANSMITTAL LETTER
 FOR SEWAGE FACILITIES PLANNING MODULE**

DEP USE ONLY				
DEP CODE #	APS ID #	CLIENT ID #	SITE ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)
 Department of Environmental Protection
 2 East Main Street
 Norristown, PA 19401

Date _____

Dear Sir:

Attached please find a completed Sewage Facilities Planning Module prepared by Gregory C. Newell, PE
 Principal _____ for Villanova University CICD Development
 a subdivision, commercial, or industrial facility located in Radnor Township
Delaware _____ County.

 (City, Borough, Township)

Check one

- (i) The Planning Module, as prepared and submitted by the applicant, is approved by the municipality as a proposed revision supplement for new land development to its "Official Sewage Facilities Plan", and is adopted for submission to the Department of Environmental Protection transmitted to the delegated local agency for approval in accordance with the requirements of Chapter 71 and the Sewage Facilities Act, 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 Sewage Facilities 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, Chapter 71). Specific reference or applicable segments of such laws or plans are attached hereto.
- Other (attach additional sheet giving specifics)

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

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

 Municipal Secretary (print)

 Signature

 Date

Note: Please remove and recycle the Instructions portion of the Sewage Facilities Planning Module prior to mailing the appropriate completed components and supporting documents to the approving agency.

II.

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) of Radnor
(TOWNSHIP) (BOROUGH) (CITY), Delaware 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 (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 Villanova University
land developer has proposed the development of a parcel of land identified as

Villanova University CICD Development, and described in the attached Sewage Facilities Planning Module, and
name of subdivision

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

WHEREAS, Radnor Township
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 Radnor 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 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:

301 Iven Avenue

Wayne, PA 19087

Telephone 610-688-5600

Seal of

Governing Body

III.

**Project Narrative and Alternative Analysis
Villanova University Lancaster Avenue Housing
Planning Module Code # 1-23013-???-3J
Radnor Township, Delaware County**

Villanova University is an existing educational campus located along Lancaster Avenue (Business Route 30) in Radnor Township Delaware County. The campus encompasses approximately 240 acres of land which contains educational, administrative, recreational and spiritual buildings along with supporting infrastructure, parking and landscaping. The campus is surrounded by existing residential housing developments with some commercial development along Lancaster Avenue. Business Route 30 (Lancaster Avenue) and SEPTA train tracks bisect the campus as shown on the attached plans.

This development project proposes to construct six dormitories with a total of 1,138 bed spaces, a performing arts center which will house a 400 seat theater, a 200 seat black box performance space and classrooms for the theater department and associated retail space. Sewage flow is expected to increase by 93,015 gallons per day (gpd). The total flow from the proposed project is calculated as shown below:

Use	Flow per Unit (gpd)	Unit	Flow per Use (gpd)
Dormitory	75	1,138 Bed spaces	85,350
100 Seat Restaurant	12	400 Patrons*	4,800
"grab and go" convenience store	0.1	2,500 SF	250
Performing Arts Ctr	5	400 seats**	2,000
Retail	0.1	6,150 SF	615
		Total Flow	93,015

* assumes an average of 2 lunch and 2 dinner turnovers

**largest performance space used for calculation

The expected flow of 93,015 gpd translates into 233 EDU utilizing DEP's definition of 400 gpd per EDU or 355 EDU's utilizing Radnor Township's definition of 262.5 gpd per EDU. For consistency 355 EDUs will be used throughout this proposal to achieve compliance with township requirements.

The chosen method of sewage disposal for this project is a connection to the public sewerage system located at the border of the existing Villanova Campus. The sewage will travel through the collection and conveyance system owned by Lower Merion Township and into the conveyance system owned by the City of Philadelphia. Eventual treatment and disposal will be at the City of Philadelphia Southwest Wastewater Treatment Facility.

In order to accommodate the anticipated increase in flow, Lower Merion Township has requested the project redirect equivalent or greater existing flows being generated from West Campus to a manhole located in Clairemont Road as shown on attached West Campus Schematic Sewer Relocation Plan Exhibit. Flows from this area are calculated as shown below:

Use	Flow per Unit (gpd)	Unit	Flow per Use (gpd)
Dormitory	75	1,216 Bed Space	91,200
Admin office (Picotte Hall at Dundale)	0.1	24,000 SF	2,400
Residence (Burns Hall)	262.5	EDU	262.5
St. Mary's Dining Hall & Convenience Store	10	2,500 meals (700 Dining + 1800 Convenience)	25,000
		Total Flow	118,862.5

Flows from the 8 dormitory buildings, Picotte Hall at Dundale, Burns Hall (residential use) and the St. Mary's dining hall will be redirected from the County Line/Ithan Avenue Interceptor to the Clairemont Road Interceptor to offset the anticipated increase from the CICD development area. Flows from CICD development will be directed to a manhole in County Line Road as shown on the Lancaster Avenue Housing Proposed Sewer Map Exhibit.

This area including the existing campus and surrounding/adjacent residential and commercial properties are within the public sewer service area. The existing sewage facility plan for this area indicates public sewer service will be provided. Alternative routing of the sewers through Radnor Township with connection to CDCA and ultimate treatment at the City of Philadelphia Southwest WWTF was considered and evaluated for this proposal. Conveyance issues in the downstream portion of the Radnor system made the routing to Philadelphia undesirable as an alternative. As capacity exists within the Lower Merion conveyance and the City of Philadelphia treatment system it was decided to connect this project to the Lower Merion system. Portions of the Villanova campus are already connected to Lower Merion's sewerage system; therefore, no new inter-municipal agreements are needed to move this project forward.

Villanova will construct and maintain the collection system within the proposed project area and the new pump station and force main in West Campus to redirect the flows to Clairemont Drive. A new public sewer or private force main will be constructed within North Ithan Avenue that will be owned and maintained by either Radnor Township or Villanova University. The owners of the downstream sewerage and treatment facility will continue to own and operated their respective facilities.

IV.



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 #
1-23013-???-3J				

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 Villanova CICD Development

2. Brief Project Description The project will construct 1138 bed dormitory space, a performing arts center and associated retail space along with infrastructure, stormwater, parking and landscaping facilities on an existing parking lot.

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

Municipality Name	County	City	Boro	Twp
Radnor	Delaware	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Zienkowski	Robert			Township Manager
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
301 Iven Avenue				
Address Last Line -- City	State	ZIP+4		
Wayne	PA	19087-5297		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
610-688-5600	610-688-1279			

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Villanova University

Site Location Line 1

800 East Lancaster Avenue

Site Location Line 2

Site Location Last Line -- City

Villanova

State

PA

ZIP+4

19085

Latitude

40.034547

Longitude

-75.345139

Detailed Written Directions to Site From the SERO: Teke I-476 South/Chester to Exit 13 (US 30 St. Davids/Villanova) to Route 30 East, also known as Lancaster Avenue. Take Route 30 East (Lancaster Avenue) for one-half mile and at the fifth traffic light you will see Villanova's parking lot on the right.

Description of Site Existing educational campus

Site Contact (Developer/Owner)

Last Name

Hildebrand

First Name

Steven

MI Suffix

Phone

610-519-4589

Ext.

Site Contact Title

Facilities Management

FAX

Site Contact Firm (if none, leave blank)

Villanova University

Email

steven.hildebrand@villanova.edu

Mailing Address Line 1

800 East Lancaster Avenue

Mailing Address Line 2

Mailing Address Last Line -- City

Wayne

State

PA

ZIP+4

19085

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

Last Name

Newell

First Name

Gregory

MI

C

Suffix

P.E.

Title

Principal

Consulting Firm Name

Nave Newell, Inc

Mailing Address Line 1

900 West Valley Road

Mailing Address Line 2

Suite 1100

Address Last Line -- City

Wayne

State

PA

ZIP+4

19087

Country

USA

Email

gnewell@navenewell.net

Area Code + Phone

610-265-8323

Ext.

Area Code + FAX

610-265-4299

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: Aqua Pennsylvania, Inc

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 354

Connections 2

Name of:

existing collection or conveyance system _____

owner Lower Merion Township

existing interceptor _____

owner _____

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 Philadelphia Southwest WWTF

NPDES Permit Number for existing facility _____

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

Name of Permittee Agency, Authority, Municipality _____

Name of Responsible Agent _____

Agent Signature _____ Date _____

(Also see Section I, 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

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

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

4. WETLAND PROTECTION

YES NO

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

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

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

6. HISTORIC PRESERVATION ACT

YES NO

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

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

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

Applicant or Consultant Initials _____

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

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

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

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

1. Waters designated for Special Protection

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

2. Pennsylvania Waters Designated As Impaired

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

3. Interstate and International Waters

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

4. Tributaries To The Chesapeake Bay

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

Name of Permittee Agency, Authority, Municipality _____

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

See *Special Instructions* (Form 3800-FM-WSFR0353-1) 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 93015 _____ gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

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

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

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

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection						
Conveyance						
Treatment						

3. Collection and Conveyance Facilities

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

YES NO

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

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

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

b. Collection System

Name of Agency, Authority, Municipality Lower Merion Township

Name of Responsible Agent _____

Agent Signature _____ Date _____

J. CHAPTER 94 CONSISTENCY DETERMINATION (Continued)

c. Conveyance System

Name of Agency, Authority, Municipality Lower Merion Township

Name of Responsible Agent _____

Agent Signature _____

Date _____

4. Treatment Facility

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

YES NO

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

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

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

- b. Name of Agency, Authority, Municipality City of Philadelphia Water Department

Name of Responsible Agent _____

Agent Signature _____

Date _____

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

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

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

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

L. PERMEABILITY TESTING (See Section L of instructions)

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

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

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

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

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

O. SEWAGE MANAGEMENT (See Section O of instructions)

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

Yes No

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

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

2. Project Flows _____ gpd

Yes No

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

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

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

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

Yes No

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

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

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

- b. Collection System
Name of Responsible Organization _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

- c. Conveyance System
Name of Responsible Organization _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

5. Treatment Facility

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

Yes No

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

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

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

- b. Name of Facility _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

(For completion by the municipality)

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

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

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

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

Yes No

1. Does the project propose the construction of a sewage treatment facility ?
2. Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3. Will the project result in a public expenditure for the sewage facilities portion of the project in excess of \$100,000?
4. Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5. Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6. Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
-

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

- 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?
 - 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.

Gregory C. Newell, PE

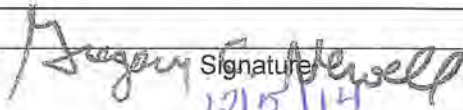
Name (Print)

Principal

Title

900 West Valley Road, Suite 1100
Wayne, PA 19087

Address


Signature
12/15/14
Date

6102658323

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 \$17,750 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

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

$$\#355 \quad \text{Lots (or EDUs)} \times \$50.00 = \$ 17,750$$

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
- For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.

2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

- A. A new surface discharge greater than 2000 gpd will use a flat fee:

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

- B. An increase in an existing surface discharge will use:

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

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:

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

v.



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

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

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

Project Name

Villanova University CDCI Development

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

1. Date plan received by municipal planning agency. _____

2. Date review completed by agency. _____

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

Yes

No

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)? |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation? |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Will any known historical or archaeological resources be impacted by this project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Will any known endangered or threatened species of plant or animal be impacted by this project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Is there a municipal zoning ordinance? |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Is this proposal consistent with the ordinance?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance? |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Have all applicable zoning approvals been obtained? |
| <input type="checkbox"/> | <input type="checkbox"/> | 12. Is there a municipal subdivision and land development ordinance? |

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

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

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

Project Name

Villanova University CICD Development

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 _____
 Agency name _____
3. Date review completed by agency _____

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

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

VI.

November 26, 2014

VIA CERTIFIED MAIL #91 7108 3933 8427 4451

Pennsylvania Historical and Museum Commission
State Historical Preservation Office
400 North Street
Commonwealth Keystone Building, 2nd Floor
Harrisburg, PA 17120-0093



**Reference: PHMC Project Review Request
Villanova CICD Development
Radnor Township, Delaware County
Nave Newell No. 2011-005.03**

To Whom It May Concern:

We are requesting a review of potential historical resources on a property located at 800 East Lancaster Avenue, Radnor Township, Delaware County, Pennsylvania. To aide in your review enclosed please find the following;

1. Project Review Form;
2. USGS Norristown Quadrangle with the project location indicated; and,
3. Campus Boundary Plan (CU1.00) with the area of interest highlighted, the plan is dated May 2, 2014 last revised August 16, 2014.

Villanova University is an existing school located at 800 East Lancaster Avenue, Wayne, PA. This project involves the construction of dormitory space for 1,135 students, a 400 seat performing arts center and restaurant and retail space on approximately 13.81 acres of existing parking lot located along East Lancaster Avenue. No alterations to the existing school buildings are proposed. The campus contains 240 acres, of which 13.81 acres will be subject to earth disturbance due to the proposed construction.

I look forward to receiving the results of your review. Should you have any questions or need additional information please contact me at mgoman@navenewell.net or (610)265-8323.

Thank you for your consideration of this request.

Sincerely,

A handwritten signature in black ink that reads 'Maria T. Goman'. The signature is written in a cursive, flowing style.

Maria T. Goman

MTG/jjh
Enclosure

\\NNA-DATA\1\Proj_Info\11Proj\11005\RevResp\Other\PHMC_14-11-26.docx

November 26, 2014

VIA CERTIFIED MAIL #91 7108 3933 8427 4451




Pennsylvania Historical and Museum Commission
State Historical Preservation Office
400 North Street
Commonwealth Keystone Building, 2nd Floor
Harrisburg, PA 17120-0093

**Reference: PHMC Project Review Request
Villanova CICD Development
Radnor Township, Delaware County
Nave Newell No. 2011-005.03**

To Whom It May Concern:

We are requesting a review of potential historical resources on a property located at 800 East Lancaster Avenue, Radnor Township, Delaware County, Pennsylvania. To aide in your review enclosed please find the following:

1. Project Review Form;

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Penna. Hist. & Museum Comm. State Historical Preserv. Office 400 North St. Commonwealth Keystone Bldg. 2nd fl. Harrisburg, PA 17120	B. Received by (Printed Name)	C. Date of Delivery DEC 01 2014
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
Domestic Return Receipt	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
91 7108 2133 3933 8427 4451		
102595-02-M-1540		

and, dated, the plan is dated

venue, Wayne, PA. This 400 seat performing of existing parking lot school buildings are be subject to earth

ny questions or need (610)265-8323.

Maria T. Goman

MTG/jih
Enclosure

\\NNA-DATA\Proj_Info\11Proj\11005\RevResp\Other\PHMC_14-11-26.docx



PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on
State and Federal Undertakings

SHPO USE ONLY	
DATE RECEIVED:	
ER NUMBER:	

REV: 5/2012

SECTION A: GENERAL PROJECT INFORMATION

Is this a new submittal? YES NO OR This is additional information for ER Number:

Project Name Villanova University CICD Development County Delaware

Project Address 800 East Lancaster Avenue

City/State/ Zip Villanova PA 19085 Municipality Radnor Township

SECTION B: PRIMARY CONTACT INFORMATION

Name Alex Tweedie Phone (610) 265-8323

Company Nave Newell, Inc Fax (610) 265-4299

Street/P.O. Box 357 South Gulph Road; Suite 300 Email atweedie@navenewell.net

City/State/Zip King of Prussia PA 19406

SECTION C: PROJECT DESCRIPTION

This project is located on: Federal property State property Municipal property Private property
(check all that apply)

List all Federal and State agencies and programs (funding, permits, licenses) involved in this project	Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)
	State	DEP/water quality/ Act 537 planning	
	State	DEP/Watershed mgnt/Stormwater NPDES	

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project includes (check all that apply): Construction Demolition Rehabilitation Disposition

Total acres of project area: 13.81 Total acres of earth disturbance: 13.81

Are there any buildings or structures within the project area? Yes No Approximate age:

This project involves properties listed in or eligible for listing in the National Register of Historic Places, or designated as historic by a local government	Yes	No	Unsure	Name of historic property or historic districts
	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	

<p>Please print and mail completed form and all attachments to:</p> <p>PHMC State Historic Preservation Office 400 North St. Commonwealth Keystone Building, 2nd Floor Harrisburg, PA 17120-0093</p>	<p>Attachments – Please include the following information with this form</p> <p><input checked="" type="checkbox"/> Map – 7.5' USGS quad showing project boundary and Area of Potential Effect</p> <p><input checked="" type="checkbox"/> Description/Scope – Describe the project, including any ground disturbance and previous land use</p> <p><input checked="" type="checkbox"/> Site Plans/Drawings – Indicate the location and age, if known, of all buildings in the project area</p> <p><input type="checkbox"/> Photographs – Attach prints or digital photographs showing the project site, including images of all buildings and structures keyed to a site plan</p>
--	---

SHPO DETERMINATION (SHPO USE ONLY)	SHPO REVIEWER:
<input type="checkbox"/> There are NO HISTORIC PROPERTIES in the Area of Potential Effect <input type="checkbox"/> The project will have NO EFFECT on historic properties <input type="checkbox"/> The project will have NO ADVERSE EFFECTS on historic properties:	<input type="checkbox"/> The project will have NO ADVERSE EFFECTS WITH CONDITIONS (see attached) <input type="checkbox"/> SHPO REQUESTS ADDITIONAL INFORMATION (see attached)

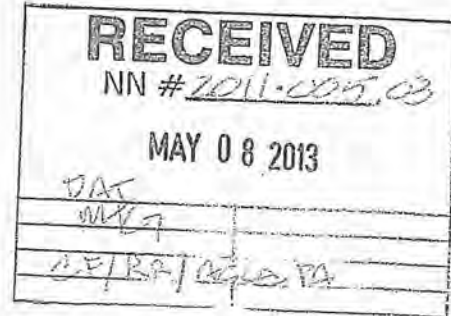
A UA

Aqua Pennsylvania, Inc.
762.W. Lancaster Avenue
Bryn Mawr, PA 19010

www.aquaamerica.com

May 6, 2013

Maria T. Goman
Nave Newell
357 South Gulph Road, Suite 300
King of Prussia, PA 19406



Re: Water Availability
Villanova University Housing
Radnor Township, Delaware County, Pennsylvania

Dear Ms. Goman:

This letter will serve as confirmation that the above referenced property is situated within Aqua Pennsylvania Inc.'s service territory. Service would be provided in accordance with Aqua Pennsylvania Inc.'s Rules and Regulations.

Please contact Deanne L. Ciotti, Aqua Pennsylvania Inc.'s New Service Representative at 610-541-4160 for further information on service alternatives that will meet your domestic and fire service needs. Ms. Ciotti will provide you with the appropriate service applications.

Please note that if any additional public hydrants are required, or any need to be relocated, for this project that it will be handled separately by me with the issuance of a Fire Hydrant Agreement or Relocation Agreement for execution. If required, please forward a drawing with the hydrant dimensioned in both directions showing any utilities that could be encountered by us in running the hydrant lead pipe. Similarly this also applies for our existing mains on a parcel, except that your firm would be required to prepare a drawing for us.

Flow data information may be obtained from our Production Department so that you may determine the adequacy of our supply for your project needs. Please fax a written request to Lisa Thomas Oliva at 610-645-1162 containing the address, street, cross street and municipality and all pertinent contact information.

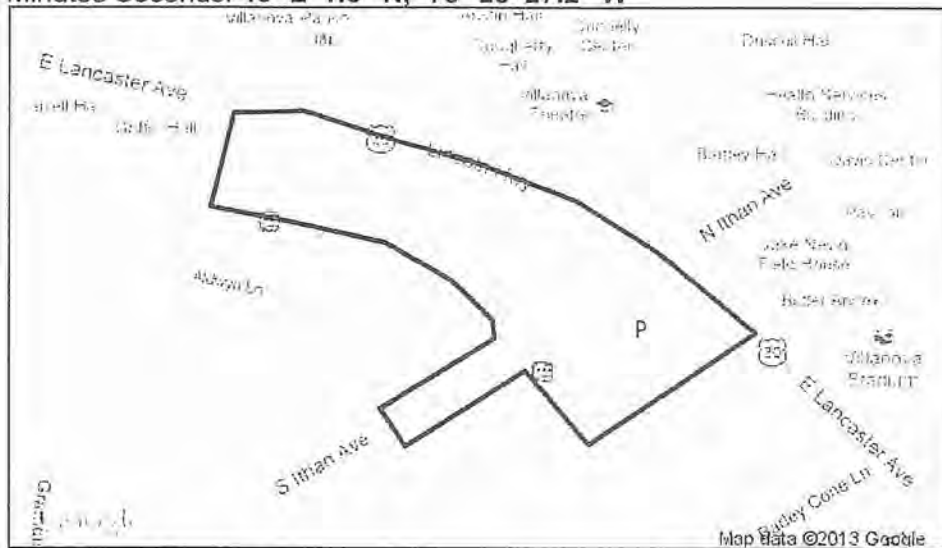
If I can be of further assistance, you may contact me at (610) 645-4230.

Sincerely,

Gary J. Horne
New Business Representative

1. PROJECT INFORMATION

Project Name: Villavova U - Lancaster Ave Housing
 Date of review: 3/14/2013 11:07:01 AM
 Project Category: Development, New commercial/industrial development (store, gas station, factory)
 Project Area: 19.6 acres
 County: Delaware Township/Municipality: Radnor
 Quadrangle Name: NORRISTOWN ~ ZIP Code: 19010, 19085
 Decimal Degrees: 40.033742 N, -75.340890 W
 Degrees Minutes Seconds: 40° 2' 1.5" N, -75° 20' 27.2" 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.

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

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.

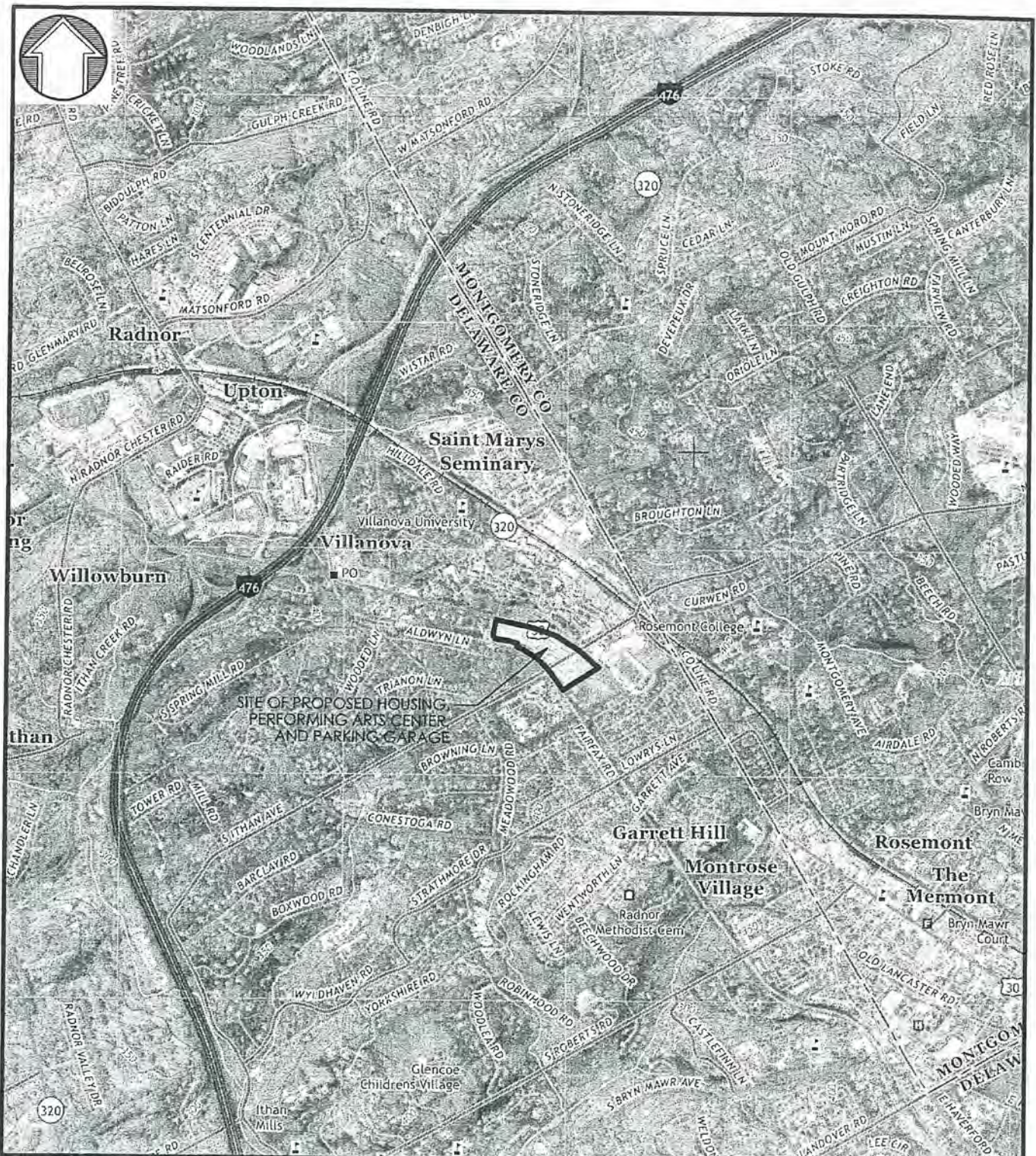
U.S. Fish and Wildlife Service

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. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special

concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.



910 West Valley Road • Suite 1100
Wayne, PA 19087-1830
P 610.265.8323 F 610.265.4299
www.nave-newell.com

DRAWING NAME: **USGS MAP - "NORRISTOWN" QUADRANGLE**

PROJECT NAME: **VILLANOVA UNIVERSITY
CICD DEVELOPMENT**

SCALE: 1" = 2000'	DRAWN BY: MMB	PROJECT NUMBER: 2011-005	SHEET
CHK'D BY: DAT	APPROV. BY: GCN	DATE: 11/26/14	

1 of 1

VII.

Public Notice

The Pennsylvania Department of Environmental Protection Rules and Regulations require public notice be given to allow the general public to provide comments regarding the proposed redevelopment of approximately 13.81 acres of land on the existing Villanova Campus in Radnor Township, Delaware County, Pennsylvania. The project is known as Villanova University CICD development. This development project proposes to construct dormitories, a performing arts center, a restaurant, and a "grab and go" retail food store. Sewage flow is expected to increase by 92,015 gallons per day. The development will be served by public water provided by Aqua PA and a public sewerage system with final treatment and disposal of the effluent at the City of Philadelphia Southwest Water Pollution Control Facility. This publication is required as the project will generate 93,015 gallons per day of sewage flow.

A 30-day comment period has been established to allow the general public an opportunity to comment on the consistencies with applicable laws and acts. The Sewage Facilities Planning Module documents and plans can be viewed at the Radnor Township building, 301 Iven Avenue, Wayne, PA 19087; Monday through Friday from 8 AM to 4 PM by appointment. Please address any comments within 30 days of the date of this publication to Radnor Township, Steve Norcini, Public Works Director, at the above address.

VIII.

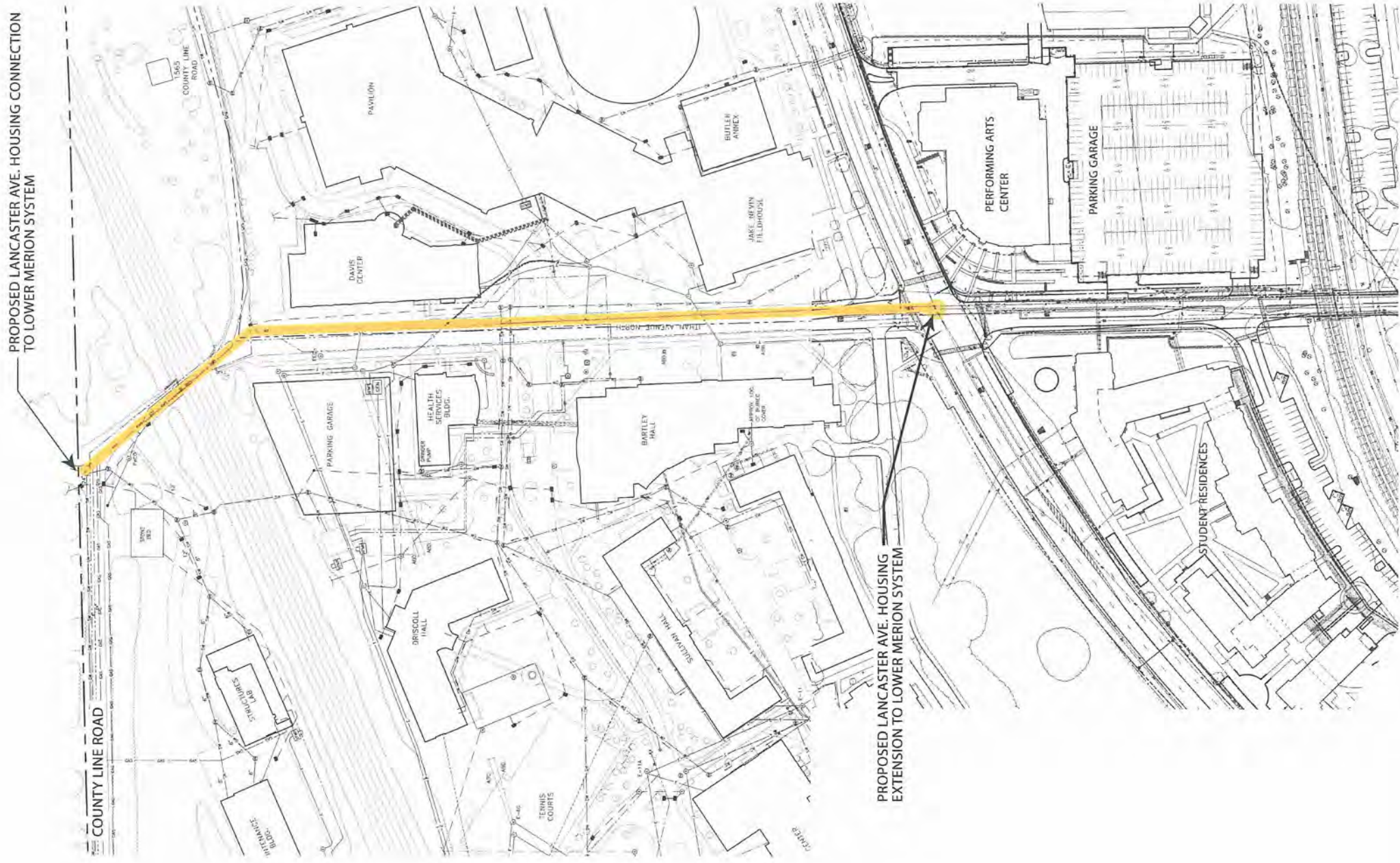
Note to reviewer: DEP checklist letter will be inserted here when received


Appendix



VILLANOVA UNIVERSITY: WEST CAMPUS SCHEMATIC SEWER RELOCATION PLAN SEWER CAPTURE AREA EXHIBIT

2011005
DECEMBER 5, 2014



LEGEND
 PROPOSED SEWER LINE OR FORCE MAIN



VILLANOVA UNIVERSITY: LANCASTER AVENUE PROPOSED SEWER MAP-EXHIBIT

2011005.00
 DECEMBER 5, 2014

900 West Valley Road, Suite 1100, Wayne, PA 19087 • 610.265.8323 • fax: 610.265.4299 • www.navenewell.com



Where Ideas Get Down to Earth