

APPENDIX D

Water Well Ordinance

EAST MANCHESTER TOWNSHIP

ORDINANCE NO.

AN ORDINANCE PROVIDING FOR THE APPLICATION, REGULATION AND CONTROL OF ALL WELLS AND WATER SOURCES WHICH MAY BE CONSTRUCTED FOR OBTAINING WATER FOR DOMESTIC PURPOSES IN EAST MANCHESTER TOWNSHIP, YORK COUNTY, PENNSYLVANIA.

WHEREAS, East Manchester Township, York County, Pennsylvania (Township) is a municipal corporation and a political subdivision being a second class township; and

WHEREAS, the Pennsylvania Department of Environmental Protection (DEP) has recommended to the Township that it adopt a well ordinance; and

WHEREAS, the Township desires to create standards for the drilling, casing, and isolation of new wells and water sources in the Township; and

WHEREAS, the Township has adopted pursuant to law the Code of the Township of East Manchester, and desires to include this Ordinance in the Code:

NOW THEREFORE, BE IT ORDAINED AND ENACTED, by the Board of Supervisors of East Manchester Township, York County, Pennsylvania, and it is hereby ordained and enacted as follows:

SECTION 1: The Code of the Township of East Manchester (Code) shall be amended by adding thereto Chapter 104 which shall be titled "Water Supply", and by adding a new Article I under that Chapter which shall be called "Well Ordinance".

SECTION 2: Chapter 104, Article I of the Code shall have added §104-1, as follows:

"§104-1. Title. This Article shall be known and may be cited as the "East Manchester Township Well Ordinance".

SECTION 3: Chapter 104, Article I of the Code shall have added §104-2, as follows:

"§104-2. Purpose. The intention of this Article is to ensure and protect the quality and suitability of domestic water supply, and to secure and maintain the minimum required isolation distances between water supplies and sewage disposal systems or other sources of contamination."

SECTION 4: Chapter 104, Article I of the Code shall have added §104-3, as follows:

"§104-3. Application.

- A. This Article shall apply to all wells or water sources which have not been completed, or which are not in operation or are in an inoperable condition at the time of passage of this Article.
- B. This Article shall further apply to the reconstruction, major repair and other changes to existing wells or water sources, when, in the opinion of the Inspecting Officer, such reconstruction, major repair and other changes may affect the quality and suitability of the water supply on the property upon which the well is constructed or on surrounding properties."

SECTION 5: Chapter 104, Article I of the Code shall have added §104-4, as follows:

"§104-4. Design Standards. The following standards shall apply for water supplies:

A. Drilled and Driven Wells

Location. Drilled and driven wells shall be located at a point free from flooding and at the following minimum distances to existing or possible future sources of pollution:

<u>Source of Pollution</u>	<u>Minimum Distance</u>
Storm Drains, Stormwater Pits	25 feet
Drains carrying domestic sewage or Industrial wastes	50 feet
Septic or Holding Tanks	50 feet
Surface/subsurface sewage disposal fields	100 feet
Sewage seepage pits, cesspools	100 feet
Privies	50 feet
Fuel Tanks	as approved
Other (ditches, streams, barnyards, etc.)	as approved

Additional Location Restrictions

Driveways	10 feet
Principal structure /dwelling	20 feet
Property Lines and Right-of-Way /Easement Lines	10 feet

B. Construction

1. Source. The source of supply shall be from a water bearing formation drawn not less than one hundred (100) feet from the ground surface, with at least twenty (20) feet of properly grounded well casing, and from no formation which is subject to pollution.
2. Casing.
 - (a) The well shall have a water-tight and durable wrought iron, steel, or other type of approved casing with a nominal thickness of $\frac{3}{16}$ (.1875) inches and six and five-eighths ($6 \frac{5}{8}$) inches, outside diameter. The sections shall be joined together by threaded couplings, joints, by welding or any other water-tight approved joint or coupling. Plastic well casing shall be polyvinylchloride (PVC) minimum schedule 40.
 - (b) Casing shall be installed twenty (20) feet from the finished grade or in any case shall be extended ten (10) feet into bedrock or other impervious strata. Driven wells shall be provided with a drive shoe or other effective casing seal.
 - (c) An annular space shall be provided between the well casing and the earth formation of a radius at least one and one half ($1 \frac{1}{2}$) inches greater than the casing radius, excluding coupling for internal pressure grouting, or one and one half ($1 \frac{1}{2}$) inches greater than the casing radius, excluding coupling for external grouting. The annular space shall be completely filled with impervious cement grout or equivalent sealing material from bottom of the casing to the ground surface. External grouting shall be accomplished utilizing a tremie pipe and grout pump to force out any standing water on the outside of the well casing. The casing shall be sealed effectively against entrance of water from water-bearing formations which are subject to pollution, through which the casing may pass. If casings of smaller diameter are used in the lower portions of the well, effective water-tight seals shall be provided between the casings where they telescope. In such instances, sections of casings shall telescope for a minimum distance of four (4) feet. The top of the well casing shall extend a minimum of eight (8) to twelve (12) inches above the finished grade of

the lot so that contaminated water or other substances cannot enter the well through the annular opening at the top of the well casing, wall or pipe sleeve.

- (d) The top of the well casing shall extend a minimum to twelve (12) inches above the finished grade of the lot so that contaminated water or other substances cannot enter the well through the annular opening at the top of the well casing, wall or pipe sleeve.

3. Well Covers. Every potable water well shall be equipped with an overlapping cover at the top of the well casing or pipe sleeve. Covers shall extend downward at least two (2) inches over the outside of the well casing or wall. All well caps shall indicate well driller's name, depth of well and depth of casing. Where pump sections of discharge pipes enter or leave a well through the side of the casing, the circle of contact shall be water-tight. The use of plastic/nylon adapters for this purpose is not acceptable. A brass pitless adapter with brass connectors or equivalent are required. Any restoration/repair of wells with casing terminating below grade shall be raised above grade to eight (8) to twelve (12) inches minimum. Electrical wiring for well pumps shall be encased in conduit from the bottom of the water supply line trench to the well cap.

4. Drainage. All potable water wells or water sources shall be constructed so that surface drainage will be diverted away from the well or water source.

C. Pumping Equipment. All pumps installed in wells drilled to a depth greater than three hundred (300) feet, but not exceeding four hundred fifty (450) feet shall be installed with two hundred (200) pound per square inch plastic pipe. Well depths exceeding four hundred fifty (450) feet shall have pumps installed with Schedule 80 PVC threaded pump or galvanized steel pipe to support the increased pumping pressure required for deeper wells. The minimum acceptable pressure rating on plastic pipe is one hundred sixty (160) pounds per square inch, regardless of water supply depth.

D. Pump Enclosure. Any pump room or any enclosure around a well pump shall be drained and protected from freezing by heating or other approved means. Where pumps are installed in basements, they shall be mounted on a block or shelf not less than eighteen (18) inches above the basement floor. Well pits shall be prohibited.

E. Flow Requirements. This Article places no restrictions on the quantity or content of water. The acceptability of water quantity or content is the sole responsibility of the property owner, subject to any state or federal limits or restrictions.

F. Well Certification. A report for each well shall be prepared by the driller and shall be submitted to East Manchester Township for evaluation and approval. The well report shall contain the following pertinent information:

Owner of property	Subdivision & Lot Number
	Uniform Parcel Identifier Number
Date of Completion	Depth of Casing
Depth of Well	Static Water Level
Well Driller	Yield in Gals/Min.
Type & Size of Casing	Type & Depth of Grouting

G. Dug Wells. No new hand dug wells will be permitted in the Township due to the great danger of pollution and unreliability of water supply for new parcels of lands being developed.

H. Abandoned Water Supplies. Wells, springs, cisterns and water-storage tanks which are no longer in use shall be removed, filled or otherwise maintained in a condition such as to prevent access by unauthorized persons or animals to prevent accidental injury, and to effectively prevent pollution of ground water. Abandoned wells shall be completely filled with cement or equal impervious material. Wells and springs shall not be used for the disposal of liquid, gaseous, and/or solid wastes.

I. Springs. This section of the specifications is to be used for reconstruction of existing springs only. Before rehabilitation shall begin on an existing spring, a report shall be made to determine the advisability of said reconstruction, which shall include as a minimum, quality and quantity of water. Springs for new construction are not considered an adequate water supply and will not be considered as valid for the issuance of a building permit. Reconstructed springs shall be completely enclosed by walls and a cover of reinforced concrete or equally durable water-tight material. This cover shall have a firm foundation so as to effectively prevent settling. The uphill wall shall be so constructed as to prevent entrance of surface water. Where manhole covers are used, the manhole shall be at least twenty-four (24) inches in diameter. It shall extend at least three (3) inches above the surrounding ground surface and be covered by an impervious durable cover of concrete, steel or equivalent material which overlaps the manhole vertically by at least two (2) inches. The

manhole cover shall be effectively secured to the manhole by bolting, locking or equivalent means, and shall be kept so secured.

- J. Water Service. A minimum diameter of a water service pipe shall be installed twelve (12) inches above sewer drains. See Section P-1502.2 in BOCA Plumbing Code, or the then-current standard required by the East Manchester Township Construction Code or the Uniform Construction Code, or similar statutes, for specific requirements.

SECTION 6: Chapter 104, Article I of the Code shall have added §104-5, as follows:

"§104-5 *PERMITS.*

- A. No construction, drilling, digging, reconstruction, major repair, placing in service a previously drilled well, or other change of or for any well/water supply for the production of water for domestic purposes shall commence unless the property owner, or his/her duly authorized agent, shall apply for and receive a permit for such construction activity from the Township.
- B. Application for a well permit shall be made upon a form supplied by the Township and shall be submitted to the Township secretary or Inspection Officer for review and approval.
- C. The application shall set forth the following:
 - 1. Name(s) of property owners
 - 2. Address or location of property
 - 3. Scale/sketch of premises showing proposed location of well, buildings, septic tanks, drain fields, existing or proposed stormwater pits, and boundary lines.
 - 4. Name, address, telephone number, and license number of well driller.
- D. All permits shall be issued on a form provided by the Township, which shall be executed by the duly authorized Inspection Officer. All permits shall be issued to the property owners or their duly authorized representative/well driller.

SECTION 7: Chapter 104, Article I of the Code shall have added §104-6, as follows:

"§104-6. Inspection.

- A. Prior to issuance of a well permit a sewage permit must be secured by the applicant. Alternatively, if the well is placed on the property prior to substantial completion of all improvements, including structures, driveways and septic systems, including drain fields, then any permits subsequently issued for such improvements shall require those improvements to meet the minimum distances from the well as set forth in §104-4 of this Article.
- B. Upon receipt of an application for a well permit, the Township, through its duly authorized Inspection Officer, shall within seven (7) days perform an inspection of the premises on which the well is to be constructed. The inspection shall be conducted in accordance with the provisions of this Article.
- C. Upon completion of the inspection, the Inspecting Officer shall either:
 - 1. issue a permit to the applicant indicating the approved location for the well and special instructions for construction, if any or
 - 2. refuse to issue the permit, and, in such event, shall provide the applicant with written reasons for such refusal.

SECTION 8: Chapter 104, Article I of the Code shall have added §104-7, as follows:

"§104-7. Water Supply Inspection. Upon completion of construction, or at such other time as the Township Inspecting Officer may deem appropriate, the Inspecting Officer shall perform a final inspection of the well/water supply to determine whether there has been compliance with the permit issued. Upon completion of the inspection, the Inspecting Officer shall (a) issue an "APPROVAL OF OPERATION" upon the original permit, or (b) deny such approval due to non-compliance with the permit issued, in which event, written reasons for such denial shall be noted on the original permit. **NOTE:** An application for a building permit will not be accepted, nor will a building permit be issued in the absence of an ""APPROVAL OF OPERATION" issued under the terms and conditions of this Article."

SECTION 9: Chapter 104, Article I of the Code shall have added §104-8, as follows:

"§104-8. Fees. All applications for a well permit shall be accompanied by a fee established by resolution payable to the Township in accordance with a schedule of fees established or revised from time to time by the Board of Supervisors by Resolution."

SECTION 10: Chapter 104, Article I of the Code shall have added §104-9, as follows:

"§104-9. Effective Date of Permit.

- A. All permits shall be in effect as of the date of issuance, and shall remain in effect for a period of six (6) months. In the event that water supply construction under the permit has not been completed by the expiration of six (6) months from the date of issuance, the permit shall expire and the validity of the permit shall cease and terminate.
- B. A request for an extension to a permit must be submitted to the Township in writing at least ten (10) days before the expiration date of the permit. Extensions are limited to thirty (30) days. Subsequent requests must be accompanied by an application for a new permit with appropriate fee.
- C. In the event a permit expires and construction has not begun, an application for a new permit must be submitted with appropriate fee.
- D. Expiration of a permit during construction will result in the landowner being prosecuted in accordance with §104-1 of this Article."

SECTION 11: Chapter 104, Article I of the Code shall have added §104-10, as follows:

"§104-10. Notice.

- A. Upon discovery of a violation, the Township through its appointed representative, including but not limited to the Codes Enforcement Officer, Zoning Officer, Sewage Enforcement Officer, Solicitor, Township Secretary, Township Manager (if any) or any other person so designated by the Township shall notify in writing the landowner, and if different and if known to the Township, the occupant of the property, as well as anyone who has created or assisted in creating the violation, if known to the Township, of the alleged violation, and shall give the landowner no less than ten (10) nor more than thirty (30) days from the date of the notice to comply with the terms of this Article.
 - 1. Notwithstanding any other provisions of this Section, if the Codes Enforcement Officer in consultation with the Township Engineer determines that a violation of this Article constitutes imminent danger or harm to the general public or a portion of the public, then the designated Township officer can in his or

her sole discretion shorten the notice period, and the Township can pursue all legal remedies available to it without notice to the landowner as provided in subsection A."

SECTION 12: Chapter 104, Article I of the Code shall have added §104-11, as follows:

"§104-11. Violations.

- A. Any person who violates any provision of this Article shall commit a summary violation, and upon conviction before a District Justice of competent jurisdiction, shall be subject to a fine of not more than One Thousand Dollars (\$1,000.00) for each offense.
- B. Notwithstanding any other provisions of this Section, nothing in this Section or elsewhere in this Article shall prohibit the Township from pursuing any and all other courses of action legally available to the Township to remedy the violations of this Article, or to abate any nuisances created by violation of this Article, or any condition which in the sole discretion of the Township creates a danger to the health, safety and welfare of the public or any portion of the public, including but not limited to civil actions, actions in equity, or injunctive relief before courts of competent jurisdiction.
- C. For purposes of this Article, each day of a violation shall be considered a separate violation of this Article."

SECTION 13: Chapter 104, Article I of the Code shall have added §104-12, as follows:

"§104-12. Severability Clause. The provisions of this Article shall be severable, and if any of its provisions shall be held to be unconstitutional, illegal, or invalid, such unconstitutionality, illegality or invalidity shall not affect the validity of any of the remaining provisions of this Article."

SECTION 14: Chapter 104, Article I of the Code shall have added §104-13, as follows:

"§104-13. Liability. No responsibility, or liability for the construction of any well/water supply shall be deemed to be placed upon East Manchester Township, or its officers, agents, or employees by virtue of the terms of this Article or otherwise."

SECTION 15: Chapter 104, Article I of the Code shall have added §104-14, as follows:

"5104-14. Repealer. All other Ordinances or parts of Ordinances or the Code inconsistent with this Article are hereby repealed."

SECTION 16: Effective Date. This Ordinance shall be effective five (5) days after its enactment."

ORDAINED AND ENACTED by the Board of Supervisors of East Manchester Township, York County, Pennsylvania the ____ day of _____, 2001.

ATTEST:

EAST MANCHESTER TOWNSHIP
BOARD OF SUPERVISORS

Secretary

John G. Brown, III, Chairman

Steven H. Gross, Jr., Supervisor

Terry R. Gingerich, Supervisor

(SEAL)

APPENDIX E

PNDI Correspondence

October 31, 2000



Pennsylvania Department of Environmental Protection
Soils and Waterways Office
Southcentral Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110

Re: East Manchester Township
York County, PA
Pennsylvania Natural Diversity Inventory
Search Form

In support of this firm's preparation of an Act 537 Plan (Sewage Facilities Plan) for East Manchester Township, York County, Forms 3630-PM-WQ0041 (Pennsylvania Natural Diversity Inventory Search Form) are submitted for three (3) separate areas within the Township for which sanitary sewer systems are proposed. Please forward to me any correspondence from your office dealing with this submittal.

If you have any questions or require additional information, please contact me at the above listed telephone number.

Sincerely,

GORDON L. BROWN & ASSOCIATES, INC.

Kenneth A. Vesely
Kenneth A. Vesely, P.E.

Copy to: Project File

**Gordon L. Brown
& Associates, Inc.**

*Consulting Civil Engineers
& Surveyors*

2238 South Queen Street
York, PA 17402-4631
(717) 741-4621 Phone
(717) 741-1418 Facsimile



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER QUALITY PROTECTION
BUREAU OF WATERWAYS ENGINEERING

FOR OFFICIAL USE ONLY

PNDI Screening

Reviewer _____

Date _____

Phone No. _____

SUPPLEMENT NO. 1
PENNSYLVANIA NATURAL DIVERSITY INVENTORY SEARCH FORM

This form provides site information necessary to perform a computer screening for species of special concern listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the Pennsylvania Fish and Boat Code or the PA Game and Wildlife Code. Records regarding species of special concern are maintained by PA DCNR in a computer data base called the "Pennsylvania Natural Diversity Inventory" (PNDI). Results from this search are not intended to be a conclusive compilation of all potential special concern resources located within a proposed project site. On-site biological surveys may be recommended to provide a definitive statement on the presence or absence, or degree of natural integrity of any project site. Results of this PNDI search are valid for one year.

Please complete the information below, attach an 8½" x 11" photocopy (DO NOT REDUCE) of the portion of the U.S.G.S. Quadrangle Map that identifies the project location and outlines the approximate boundaries of the project and mail to the appropriate DEP regional office or delegated County Conservation District prior to completing a Chapter 105 environmental assessment or any other DEP permit application. (SEE REVERSE SIDE FOR LIST OF OFFICES AND ADDRESSES).

NAME: East Manchester TownshipADDRESS: 508 N. Sherman Street Ext'd.Mount Wolf, PA 17347

PHONE: (717) -2664279

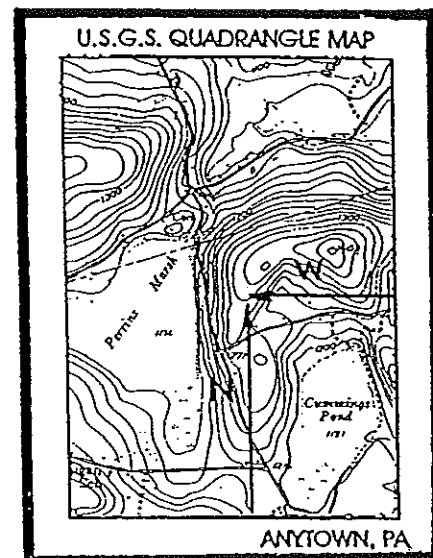
COUNTY: YorkTWP./MUNICIPALITY: East Manchester Township

U.S.G.S. 7½ Minute Quadrangle

York Haven, PA

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

Construction of gravity sewers to serve the residential development known as "The Oaks". Total project area of approximately 18 acres, with a disturbed area of 1 to 2 acres total.



North (Up) _____ 6 _____ inches

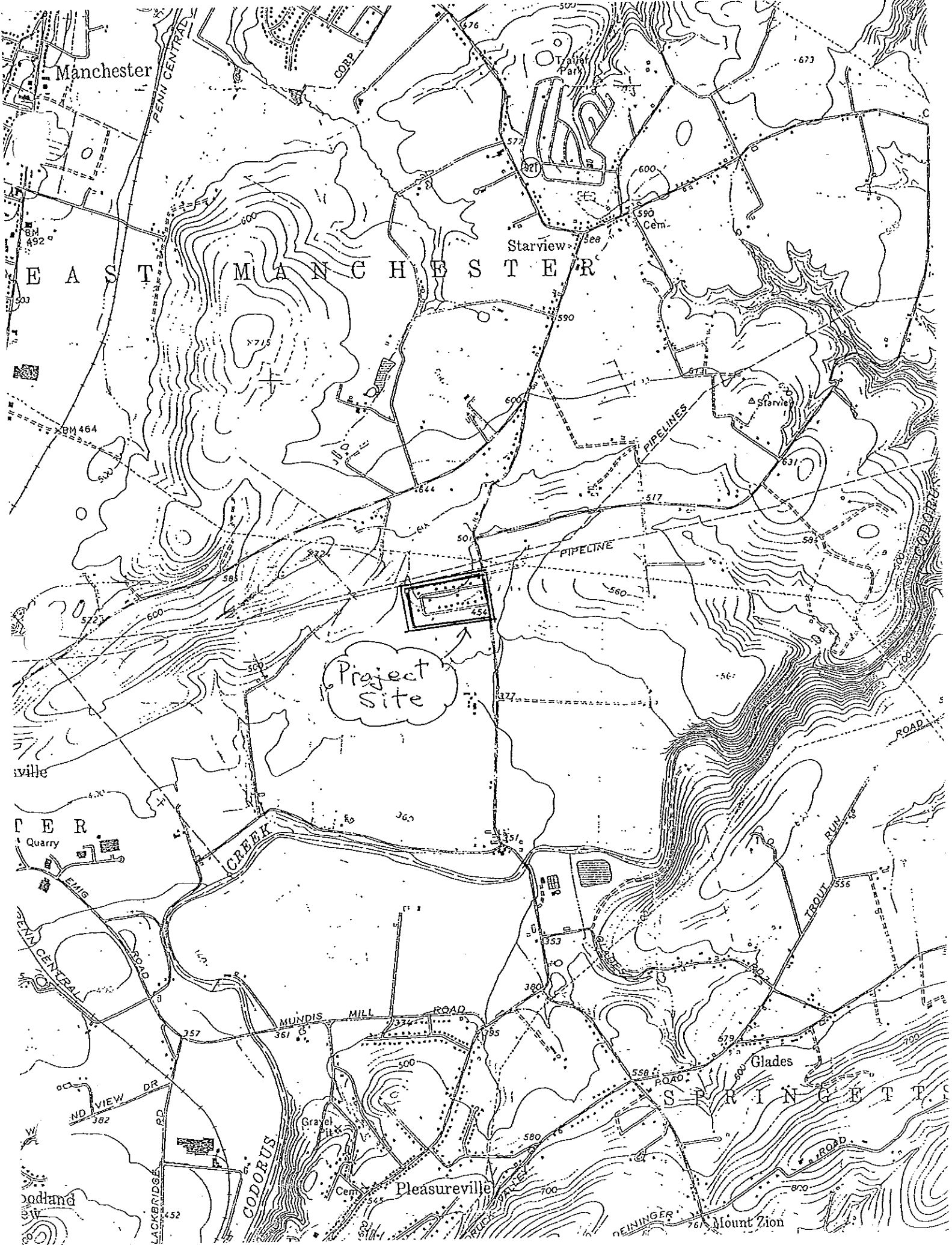
West (to the left) _____ 10 _____ inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

FOR OFFICIAL USE ONLY

SCREENING RESULTS - Follow the directions of the checked block.

- ☐ No potential conflicts were encountered during the PNDI inquiry. Include this form and the PNDI receipt with your Chapter 105 environmental assessment or other DEP permit application submissions.
- ☐ Potential conflicts must be resolved by contacting the natural resource agencies listed on the PNDI receipt. Please provide a copy of this form and the PNDI receipt along with a brief description of your project to the listed agency for consultation and recommendations. Include this form, the printed PNDI search results and the natural resource agency's written recommendation with your Chapter 105 environmental assessment or other DEP permit application submissions.



Manchester

EAST MANCHESTER

Starview

Project site

CREEK

Quarry

EMIG

PENN CENTRAL

ROAD

ND VIEW DR

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LACKERIDGE RD

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sw

Grayel

Cem

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER QUALITY PROTECTION
BUREAU OF WATERWAYS ENGINEERING

FOR OFFICIAL USE ONLY

PNDI Screening

Reviewer _____

Date _____

Phone No. _____

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Please complete the information below, attach an 8½" x 11" photocopy (DO NOT REDUCE) of the portion of the U.S.G.S. Quadrangle Map that identifies the project location and outlines the approximate boundaries of the project and mail to the appropriate DEP regional office or delegated County Conservation District prior to completing a Chapter 105 environmental assessment or any other DEP permit application. (SEE REVERSE SIDE FOR LIST OF OFFICES AND ADDRESSES).

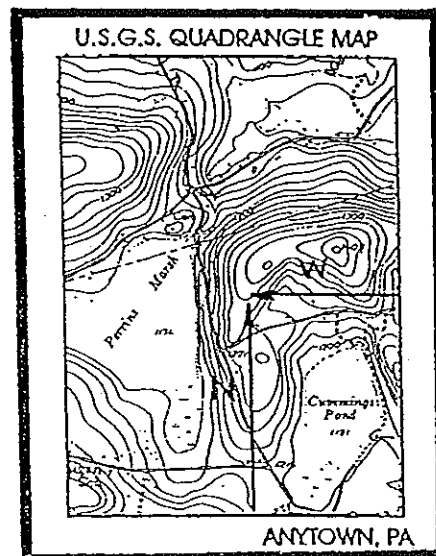
NAME: East Manchester TownshipADDRESS: 508 N. Sherman Street Ext'd.Mount Wolf, PA 17347PHONE: (717) -2664279COUNTY: YorkTWP./MUNICIPALITY: East Manchester Township

U.S.G.S. 7½ Minute Quadrangle

York Haven, PA

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

Construction of gravity sewers, pump station with force main, and small wastewater treatment plant to serve the Village of Saginaw. The total project area is approximately 141 acres, with a disturbed area of 8 to 10 acres total.

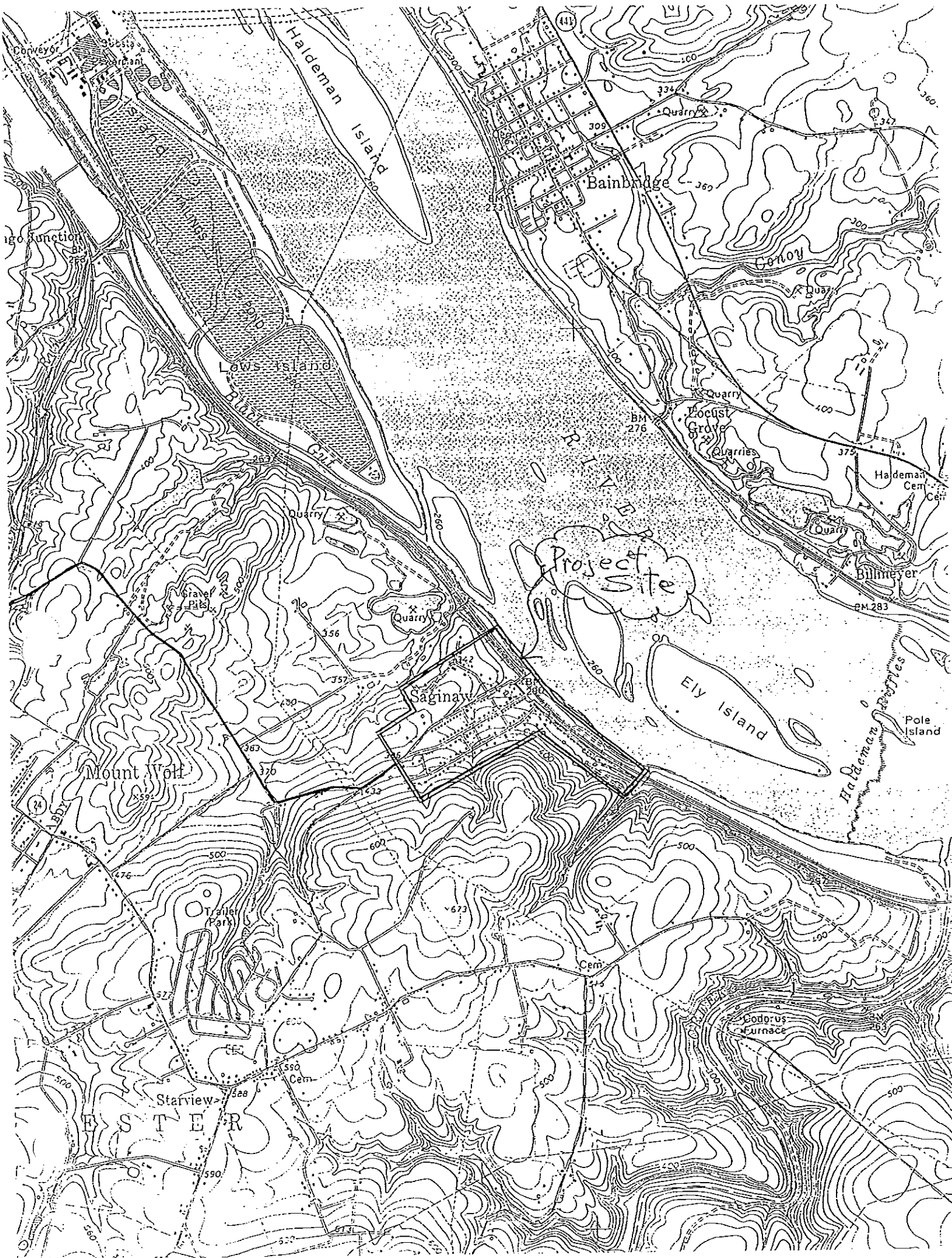
North (Up) 12 inchesWest (to the left) 7 inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

FOR OFFICIAL USE ONLY

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER QUALITY PROTECTION
BUREAU OF WATERWAYS ENGINEERING

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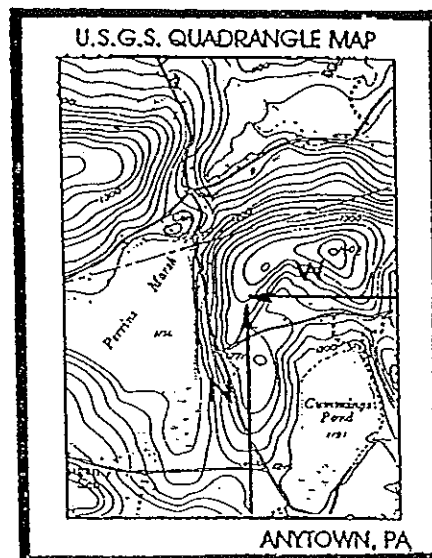
NAME: East Manchester TownshipADDRESS: 508 N. Sherman Street Ext'd.Mount Wolf, PA 17347PHONE: (717) -2664279COUNTY: YorkTWP./MUNICIPALITY: East Manchester Township

U.S.G.S. 7½ Minute Quadrangle

York Haven, PA

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

Construction of gravity sewers and pump station with force main to serve the Griffith Lane/Canal Road area. The total project area is approximately 290 acres, with a disturbed area of 18 to 20 acres total.

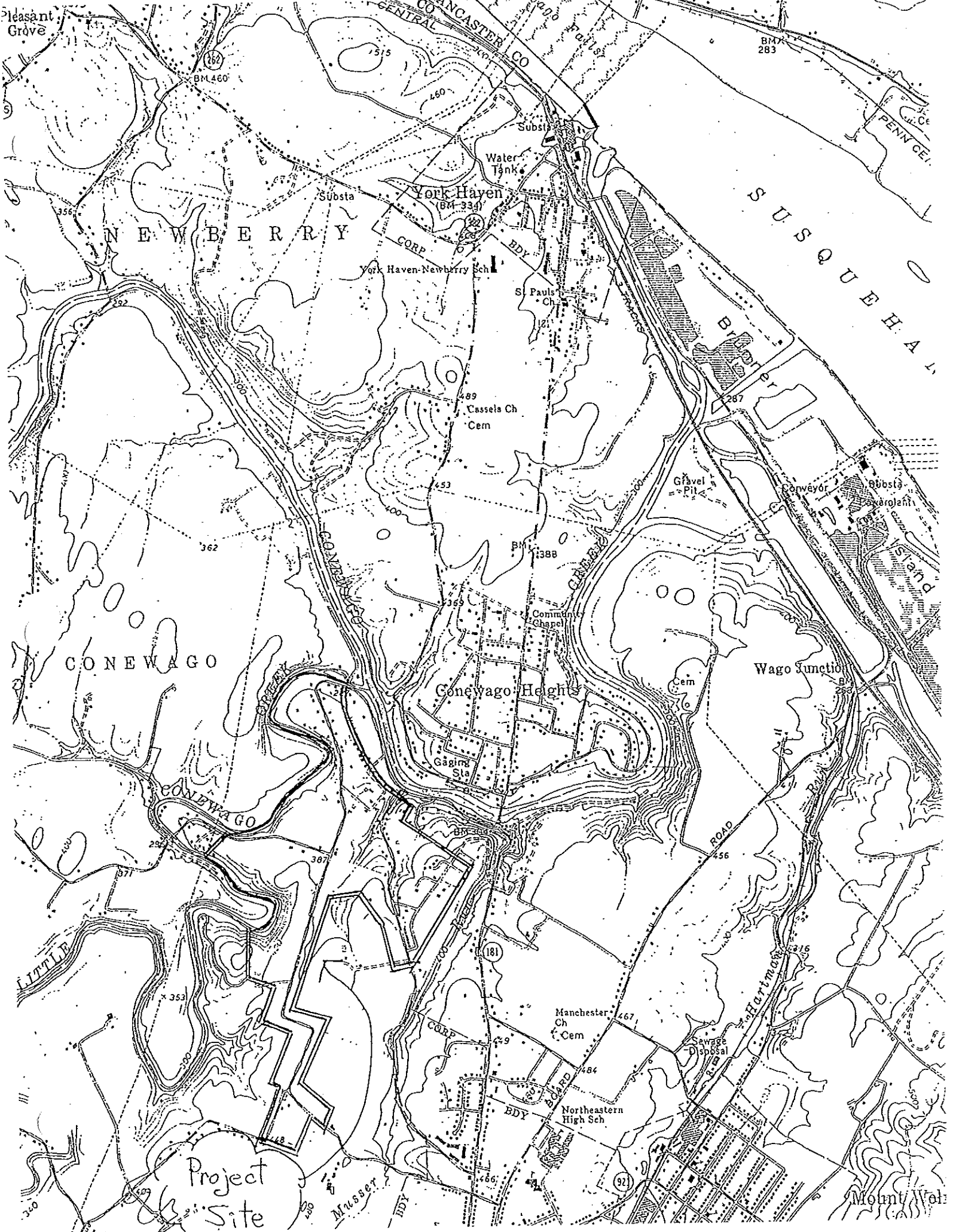
North (Up) 14 inchesWest (to the left) 15 inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

FOR OFFICIAL USE ONLY

SCREENING RESULTS - Follow the directions of the checked block.

- ☐ No potential conflicts were encountered during the PNDI inquiry. Include this form and the PNDI receipt with your Chapter 105 environmental assessment or other DEP permit application submissions.
- ☐ Potential conflicts must be resolved by contacting the natural resource agencies listed on the PNDI receipt. Please provide a copy of this form and the PNDI receipt along with a brief description of your project to the listed agency for consultation and recommendations. Include this form, the printed PNDI search results and the natural resource agency's written recommendation with your Chapter 105 environmental assessment or other DEP permit application submissions.



Pleasant Grove

NEWBERRY

CONEWAGO

LITTLE

Project Site

Musset

MANCHESTER CO

York Haven

York Haven-Newberry Sch

Conewago Heights

Manchester Ch. Cem

Northeastern High Sch

SUSQUEHANNA

Wago Junction

Mount Wagon



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER QUALITY PROTECTION
BUREAU OF WATERWAYS ENGINEERING

FOR OFFICIAL USE ONLY

PNDI Screening

Reviewer A. McCollumDate 11/7/00Phone No. 670166

SUPPLEMENT NO. 1
PENNSYLVANIA NATURAL DIVERSITY INVENTORY SEARCH FORM

This form provides site information necessary to perform a computer screening for species of special concern listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the Pennsylvania Fish and Boat Code or the PA Game and Wildlife Code. Records regarding species of special concern are maintained by PA DCNR in a computer data base called the "Pennsylvania Natural Diversity Inventory" (PNDI). Results from this search are not intended to be a conclusive compilation of all potential special concern resources located within a proposed project site. On-site biological surveys may be recommended to provide a definitive statement on the presence or absence, or degree of natural integrity of any project site. Results of this PNDI search are valid for one year.

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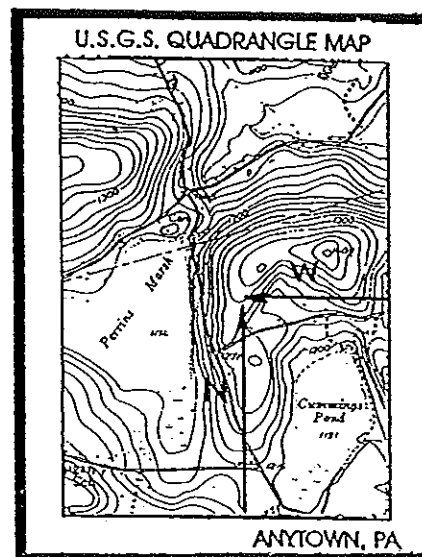
NAME: East Manchester TownshipADDRESS: 508 N. Sherman Street Ext'd.Mount Wolf, PA 17347PHONE: (717) -2664279COUNTY: YorkTWP./MUNICIPALITY: East Manchester Township

U.S.G.S. 7½ Minute Quadrangle

York Haven, PA

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

Construction of gravity sewers to serve the residential development known as "The Oaks". Total project area of approximately 18 acres, with a disturbed area of 1 to 2 acres total.

North (Up) 6 inchesWest (to the left) 10 inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

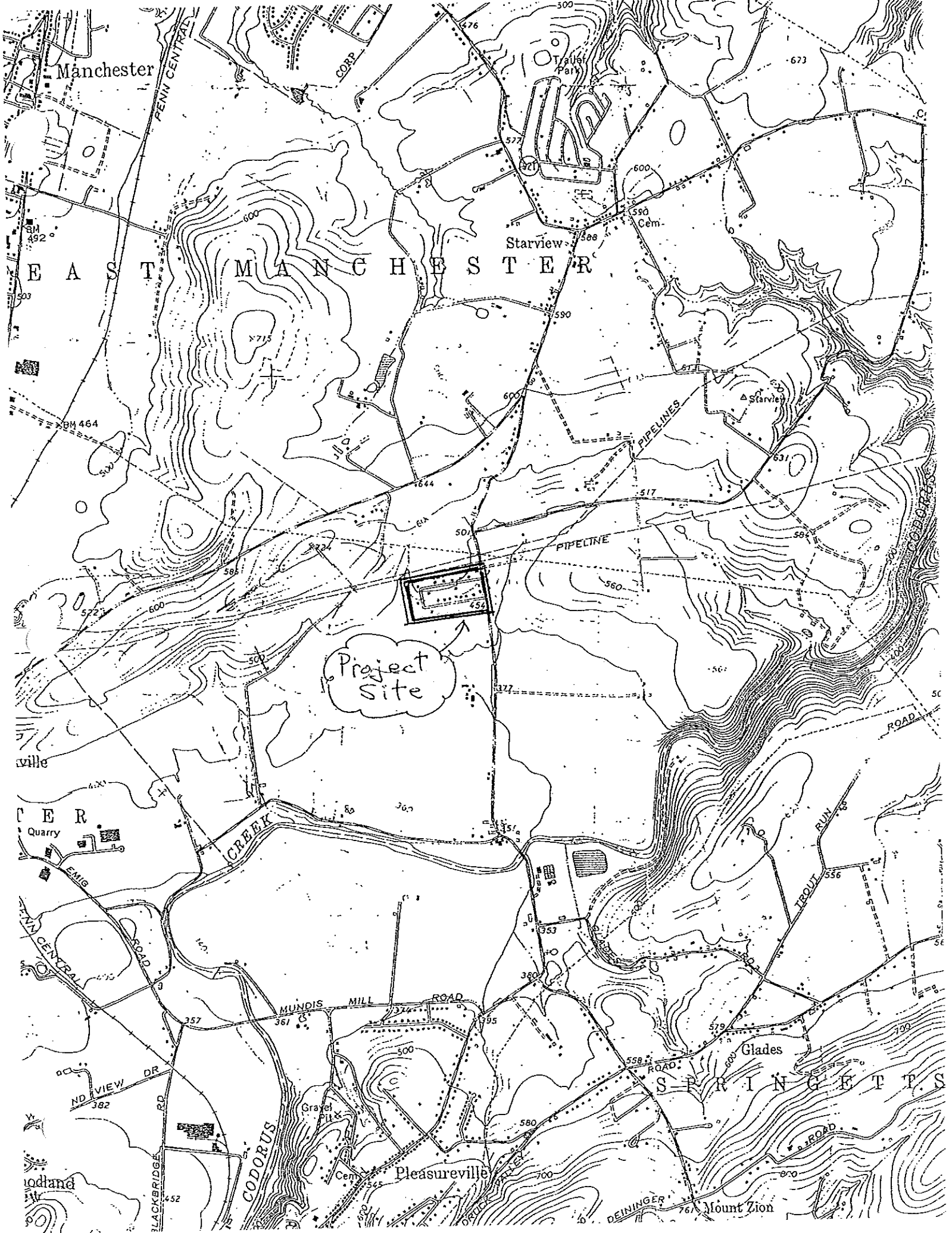
FOR OFFICIAL USE ONLY

SCREENING RESULTS - Follow the directions of the checked block.



No potential conflicts were encountered during the PNDI inquiry. Include this form and the PNDI receipt with your Chapter 105 environmental assessment or other DEP permit application submissions.

Potential conflicts must be resolved by contacting the natural resource agencies listed on the PNDI receipt. Please provide a copy of this form and the PNDI receipt along with a brief description of your project to the listed agency for consultation and recommendations. Include this form, the printed PNDI search results and the natural resource agency's written recommendation with your Chapter 105 environmental assessment or other DEP permit application submissions.



PNDI Internet Database Search Results

PNDI Search Number: N70363

Search Results For McCollum.Allyson@dep.state.pa.us

Search Performed By: Allyson McCollum On 11/7/2000 7:52:57 AM

Agency/Organization: Department of Environmental Protection

Phone Number: 717-705-4808

Search Parameters: Quad - 407616; North Offset - 6; West Offset - 10; Acres - 640

Project location center (Latitude): 40.03294

Project location center (Longitude): 76.69640

Project Type: DEP Permits/Obstructions/Encroachments

Print this page using your Internet browser's print function and keep it as a record of your search.

No conflicts with ecological resources of special concern are known to exist within the specified search area.

PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled Pennsylvania Biological Resource Management Agencies, outlines which species groups are managed by these agencies. Feel free to contact our office if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.

[New Search](#)[PNDI Search Home](#)[PNDI Search Welcome](#)



November 29, 2000

Endangered Species Biologist
U.S. Fish and Wildlife Service
315 South Allen Street, Suite 322
State College, PA 16801

Re: East Manchester Township
York County, PA
Act 537 Sewage Plan

The enclosed copies of the PNDI Search and Internet Database Search Result Forms require that I contact your office for consultation and recommendations in the preparation of East Manchester Township's Act 537 Sewage Plan, which this firm is currently engaged in. The proposed activities included in the area outlined on the York Haven USGS Quad Map include the installation of gravity sewers, a pump station with force main, and concrete manholes to serve the Village of Saginaw. Also, included is a small (50,000 gallon per day) wastewater treatment plant just north of Saginaw with an outfall line to the Susquehanna River. The sewers and manholes will be installed within the Village streets and rights-of-way in Saginaw. The total project area encompasses approximately 141 acres, of which only 8 to 10 acres will be disturbed. The sewage facilities will be constructed in accordance with Township and Department of Environmental Protection criteria. The wastewater treatment plant will be maintained and operated by the Northeastern York County Sewer Authority. Erosion and sedimentation control measures used during the construction of the facilities will be approved by the York County Conservation District prior to start of actual construction. Recommendations made by you will be used during the design and construction phases of the proposed project.

Your prompt response to this request is appreciated. If you have any questions or require additional information, please contact me at the above listed telephone number.

Sincerely,

GORDON L. BROWN & ASSOCIATES, INC.

Kenneth A. Vesely, P.E.

Copy to: Project File

**Gordon L. Brown
& Associates, Inc.**

*Consulting Civil Engineers
& Surveyors*

2238 South Queen Street
York, PA 17402-4631
(717) 741-4621 Phone
(717) 741-1418 Facsimile



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER QUALITY PROTECTION
BUREAU OF WATERWAYS ENGINEERING

FOR OFFICIAL USE ONLY

PNDI Screening

Reviewer A. McCollumDate 11/7/00Phone No. 67-0141

SUPPLEMENT NO. 1
PENNSYLVANIA NATURAL DIVERSITY INVENTORY SEARCH FORM

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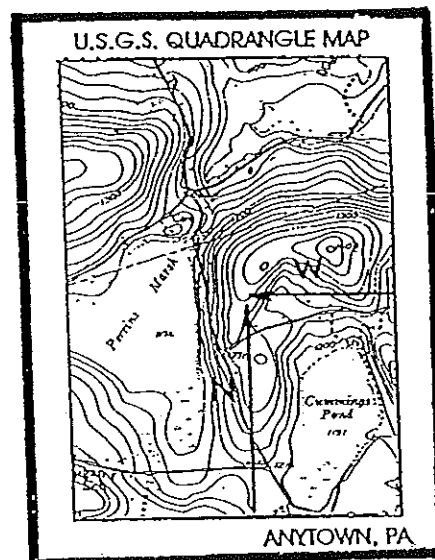
NAME: East Manchester TownshipADDRESS: 508 N. Sherman Street Ext'd.Mount Wolf, PA 17347PHONE: (717) -2664279COUNTY: YorkTWP./MUNICIPALITY: East Manchester Township

U.S.G.S. 7½ Minute Quadrangle

York Haven, PA

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

Construction of gravity sewers, pump station with force main, and small wastewater treatment plant to serve the Village of Saginaw. The total project area is approximately 141 acres, with a disturbed area of 8 to 10 acres total.

North (Up) 12 inchesWest (to the left) 7 inches

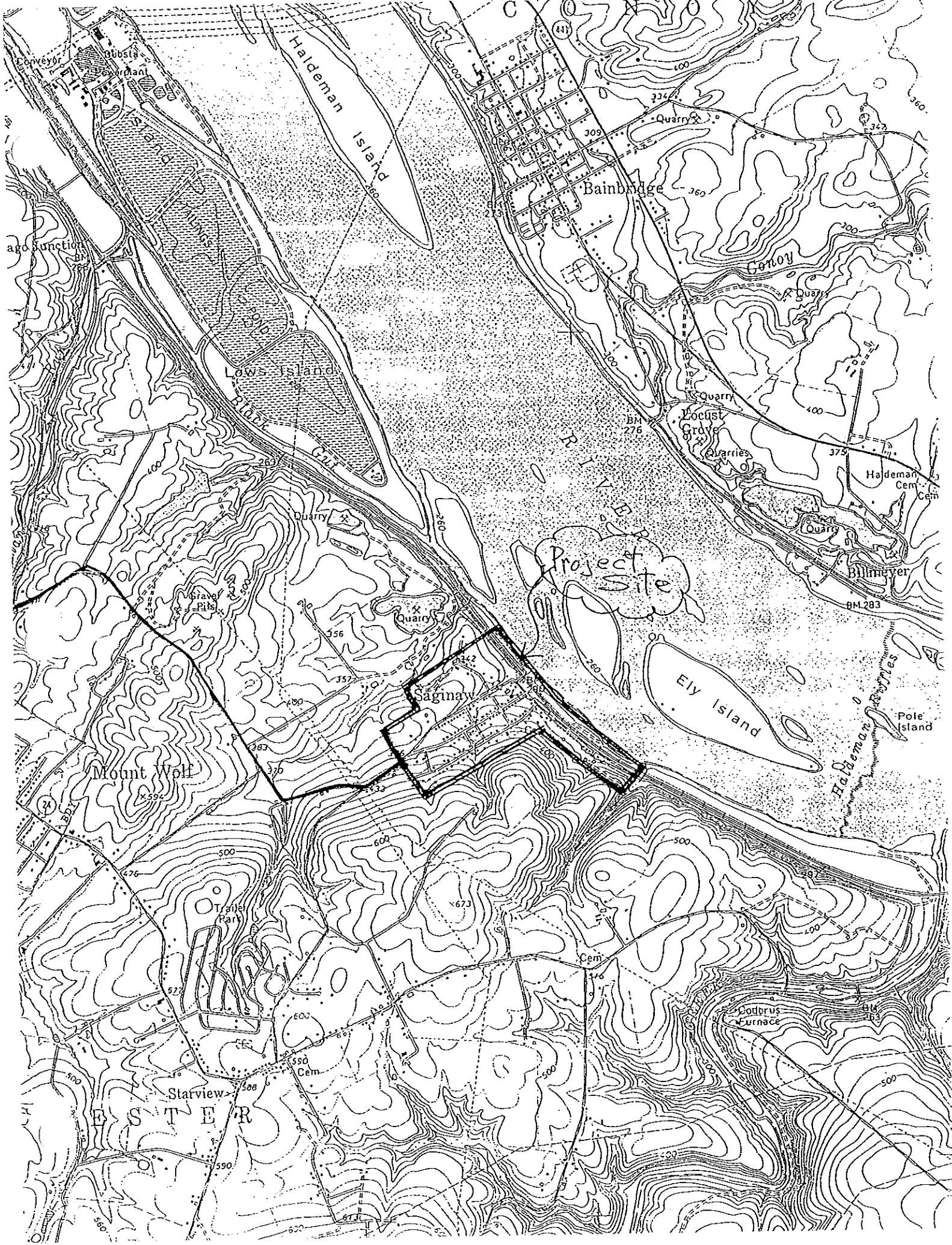
INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

FOR OFFICIAL USE ONLY

SCREENING RESULTS - Follow the directions of the checked block.

☐ No potential conflicts were encountered during the PNDI inquiry. Include this form and the PNDI receipt with your Chapter 105 environmental assessment or other DEP permit application submissions.

☒ Potential conflicts must be resolved by contacting the natural resource agencies listed on the PNDI receipt. Please provide a copy of this form and the PNDI receipt along with a brief description of your project to the listed agency for consultation and recommendations. Include this form, the printed PNDI search results and the natural resource agency's written recommendation with your Chapter 105 environmental assessment or other DEP permit application submissions.



PNDI Internet Database Search Results

PNDI Search Number: N70361

Search Results For McCollum.Allyson@dep.state.pa.us

Search Performed By: Allyson McCollum On 11/7/2000 7:46:50 AM

Agency/Organization: Department of Environmental Protection

Phone Number: 717-705-4808

Search Parameters: Quad - 407616; North Offset - 12; West Offset - 7; Acres - 640

Project location center (Latitude): 40.06588

Project location center (Longitude): 76.67498

Project Type: DEP Permits/Obstructions/Encroachments

Print this page using your Internet browser's print function and keep it as a record of your search.

Bureau of Forestry personnel should FAX this receipt, project description, County, Township, and USGS Topo (with quad name) to Jeanne Brennan for ALL potential conflicts. FAX Number: (717) 772-0271

DEP and Conservation Districts should follow the instructions below when potential conflicts are indicated.

When details are displayed as part of the search result, the element's Scientific Name, Common Name, State Status, Proposed State Status and Number of Occurrences within the Search Area are listed.

Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

1 potential Bird conflicts:

PROTONOTARIA CITREA - PROTHONOTARY WARBLER - - CR (1)

The Applicant should contact the following office regarding these potential conflicts:

**Pennsylvania Game Commission
Bureau of Land Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
Tony Ross - (717) 783-5957**

Your search yielded potential conflicts with the following **Federally Listed Species of Special Concern**:

1 potential conflicts

The Applicant should FAX a cover letter including a project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality where

project resides, USGS 7.5 minute quadrangle with project boundary marked, and quad name on the map to:

**Endangered Species Biologist
U.S. Fish and Wildlife Service
315 South Allen Street, Suite 322
State College, PA 16801
FAX Number: (814) 234-0748**

PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled Pennsylvania Biological Resource Management Agencies, outlines which species groups are managed by these agencies. Feel free to contact our office if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.

[New Search](#)[PNDI Search Home](#)[PNDI Search Welcome](#)



PA DEPT OF ENVIRONMENTAL PROTECTION
SOUTHCENTRAL REGION
909 ELMERTON AVENUE
HARRISBURG PA 17110-8200

DATE: <i>January 9, 2001</i>	NUMBER OF PAGES (Including cover page) <i>3</i>
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FAX TO:	FROM:
Name <i>Ken Vesely</i>	Name <i>Allyson McCollum</i>
Company <i>Gordon L. Brown</i>	Program <i>S/S - Waterways - WMP</i>
Fax Number <i>717-741-1418</i>	Fax Number <i>717-705-4760</i>
Phone Number <i>741-4621</i>	Phone Number <i>705-4808</i>

SUBJECT:

MESSAGE:

*PNDI Search Response form from U.S. FWS for
East Manchester Township, York County
East Manchester Township Act 537 Sewage Plan*

MCM
12.5.00**U.S. FISH AND WILDLIFE SERVICE
'POTENTIAL CONFLICT' RESPONSE FORM**

This responds to your inquiry about a PNDI Internet Database search that resulted in a potential conflict with a federally listed, proposed or candidate species.

PNDI SEARCH INFORMATION

PNDI Search Number: N70361
Date of PNDI search: 11/7/2000
Search performed by: ALLYSON MCCOLLUM
Agency: DEP
Fax or email: (717) 705-4760

PROJECT LOCATION INFORMATION

County: YORK
Quad: YORK HAVEN

PROJECT NAME/DESCRIPTION:EAST MANCHESTER TWP. ACT 537 SEWAGE PLAN.**FISH AND WILDLIFE SERVICE COMMENT(S):**

X **NO EFFECT**

Except for occasional transient species, no federally listed, proposed or candidate species under our jurisdiction are known to exist in the project area. Therefore, no biological assessment or further Section 7 consultation under the Endangered Species Act is required with the Service. Should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered.

POTENTIAL SPECIES OCCURRENCE IN PROJECT AREA

The following federally listed, proposed or candidate species may occur within the project area:

therefore, further coordination with the Service is necessary prior to permit issuance/project approval (see below).

_____ A survey for the species listed above should be conducted at the appropriate time of year by a qualified biologist. The survey protocol and a list of qualified surveyors are attached. Survey results should be submitted to the Service for review and comment.

_____ A survey for the species listed above should be conducted at the appropriate time of year by a qualified biologist. A proposed survey protocol should be submitted to the Service for review and approval. Survey results should then be submitted to the Service for review and comment.

_____ A bog turtle habitat survey (Phase 1 survey) should be conducted in accordance with the Service's *Guidelines for Bog Turtle Surveys*. Survey results should be submitted to the Service for review and comment.

____ Please contact the Service to arrange for a site visit.

____ **SPECIES KNOWN TO OCCUR WITHIN PROJECT AREA**

The following federally listed, proposed or candidate species occur within the project area:

____ therefore, further consultation or coordination with the Service is necessary prior to permit issuance/project approval.

____ **ADDITIONAL PROJECT INFORMATION IS NEEDED**

Please send additional information about the project, including a detailed project description, site plans, and location map (7.5 minute topographic map showing the project location) to the attention of the biologist listed below at: U.S. Fish and Wildlife Service, 315 South Allen Street, Suite 322, State College, PA 16801. Please include the PNDI Search number indicated above.

____ Please also provide photographs of the project site showing the habitat(s) that may be directly or indirectly affected by the project.

This determination is valid for two years from the date of this letter. In addition, this response relates only to federally listed, proposed and candidate species under our jurisdiction based on an office review of the proposed project's location and anticipated impacts. No field inspection of the project area has been conducted by this office. Consequently, comments on this form are not to be construed as addressing other Service concerns under the Fish and Wildlife Coordination Act or other authorities.

If you have any questions regarding this matter please contact the biologist indicated below at 814-234-4090:

☒ Michael McCarthy
____ Christy Johnson-Hughes
____ Michael Schmaus
____ Carole Copeyon

SIGNATURE: _____

Carole Copeyon

Chief, Branch of Endangered Species
Pennsylvania Field Office

DATE: _____

12/15/00



November 29, 2000

Pennsylvania Game Commission
Bureau of Land Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
Attn: Mr. Tony Ross

Re: East Manchester Township
York County, PA
Act 537 Sewage Plan

Dear Mr. Ross,

The enclosed copies of the PNDI Search and Internet Database Search Result Forms require that I contact your office for consultation and recommendations in the preparation of East Manchester Township's Act 537 Sewage Plan, which this firm is currently engaged in. The proposed activities included in the area outlined on the York Haven USGS Quad Map include the installation of gravity sewers, a pump station with force main, and concrete manholes to serve the Village of Saginaw. Also, included is a small (50,000 gallon per day) wastewater treatment plant just north of Saginaw with an outfall line to the Susquehanna River. The sewers and manholes will be installed within the Village streets and rights-of-way in Saginaw. The total project area encompasses approximately 141 acres, of which only 8 to 10 acres will be disturbed. The sewage facilities will be constructed in accordance with Township and Department of Environmental Protection criteria. The wastewater treatment plant will be maintained and operated by the Northeastern York County Sewer Authority. Erosion and sedimentation control measures used during the construction of the facilities will be approved by the York County Conservation District prior to start of actual construction. Recommendations made by you will be used during the design and construction phases of the proposed project.

Your prompt response to this request is appreciated. If you have any questions or require additional information, please contact me at the above listed telephone number.

Sincerely,

GORDON L. BROWN & ASSOCIATES, INC.

Kenneth A. Vesely, P.E.

Copy to: Project File

**Gordon L. Brown
& Associates, Inc.**

*Consulting Civil Engineers
& Surveyors*

2238 South Queen Street
York, PA 17402-4631
(717) 741-4621 Phone
(717) 741-1418 Facsimile



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER QUALITY PROTECTION
BUREAU OF WATERWAYS ENGINEERING

FOR OFFICIAL USE ONLY

PNDI Screening

Reviewer A McCallumDate 11/7/00Phone No. 470/6 a

SUPPLEMENT NO. 1
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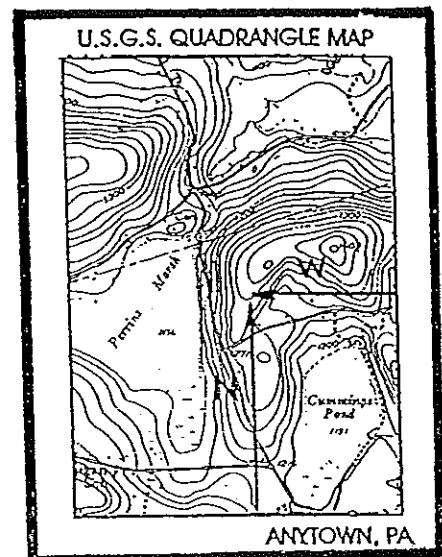
NAME: East Manchester TownshipADDRESS: 508 N. Sherman Street Ext'd.Mount Wolf, PA 17347PHONE: (717) -2664279COUNTY: YorkTWP./MUNICIPALITY: East Manchester Township

U.S.G.S. 7½ Minute Quadrangle

York Haven, PA

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

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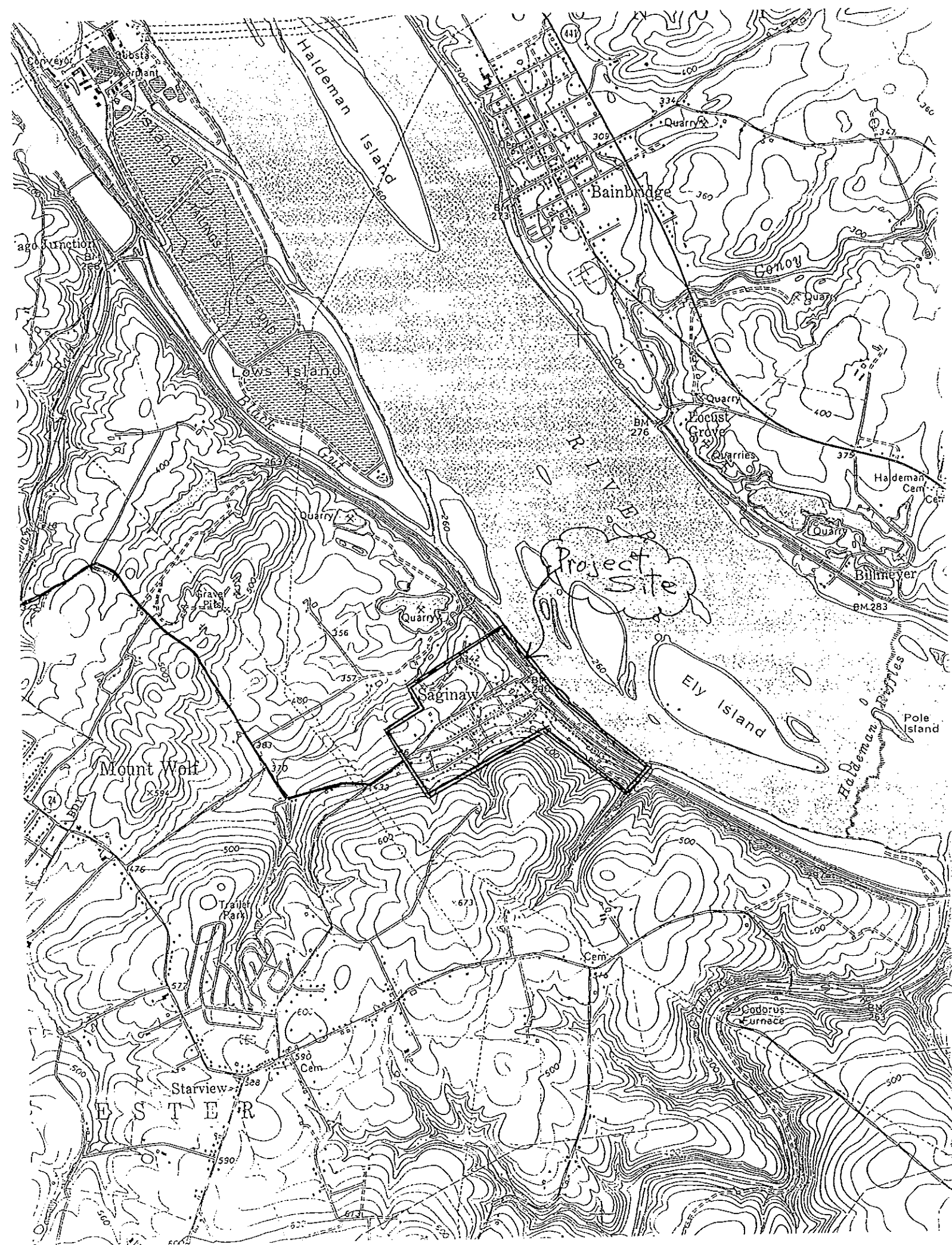
North (Up) 12 inchesWest (to the left) 7 inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

FOR OFFICIAL USE ONLY

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PNDI Search Number: N70361

Search Results For McCollum.Allyson@dep.state.pa.us

Search Performed By: Allyson McCollum On 11/7/2000 7:46:50 AM

Agency/Organization: Department of Environmental Protection

Phone Number: 717-705-4808

Search Parameters: Quad - 407616; North Offset - 12; West Offset - 7; Acres - 640

Project location center (Latitude): 40.06588

Project location center (Longitude): 76.67498

Project Type: DEP Permits/Obstructions/Encroachments

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Bureau of Forestry personnel should FAX this receipt, project description, County, Township, and USGS Topo (with quad name) to Jeanne Brennan for ALL potential conflicts. FAX Number: (717) 772-0271

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Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

1 potential Bird conflicts:

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The Applicant should contact the following office regarding these potential conflicts:

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Bureau of Land Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
Tony Ross - (717) 783-5957**

Your search yielded potential conflicts with the following **Federally Listed Species** of Special Concern:

1 potential conflicts

The Applicant should FAX a cover letter including a project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality where

project resides, USGS 7.5 minute quadrangle with project boundary marked, and quad name on the map to:

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U.S. Fish and Wildlife Service
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State College, PA 16801
FAX Number: (814) 234-0748**

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[New Search](#)[PNDI Search Home](#)[PNDI Search Welcome](#)



COMMONWEALTH OF PENNSYLVANIA

PENNSYLVANIA GAME COMMISSION

2001 ELMERTON AVENUE
HARRISBURG, PA 17110-9797

ADMINISTRATIVE BUREAUS:

ADMINISTRATION	717-787-5670
AUTOMOTIVE AND	
PROCUREMENT DIVISION	717-787-6594
LICENSE DIVISION	717-787-2084
PERSONNEL DIVISION	717-787-7636
WILDLIFE MANAGEMENT	717-787-5529
INFORMATION & EDUCATION	717-787-6286
LAW ENFORCEMENT	717-787-5740
LAND MANAGEMENT	717-787-6818
REAL ESTATE DIVISION	717-787-6568
MANAGEMENT INFORMATION	
SYSTEMS	717-787-4076

January 3, 2001

Mr. Kenneth A. Vesely
Gordon L. Brown & Associates, Inc.
2238 South Queen Street
York, PA 17402

In re: Act 537 Sewage Plan
East Manchester Township
York County, PA

Dear Mr. Vesely:

This is in response to your letter dated November 29, 2000, requesting our review for potential impacts to state endangered or threatened species of birds or mammals, and State Game Lands.

Our office review shows that no state listed endangered or threatened species of birds or mammals are known to occur within the proposed project area. Also, no State Game Lands are expected to be impacted by the proposed project. Should project plans extend beyond the present study area, or if additional information becomes available on endangered or threatened species of birds or mammals or State Game Lands, this review may be reconsidered.

This reply relates only to endangered and threatened species of birds or mammals and State Game Lands, but does not address other concerns of the Pennsylvania Game Commission. If an on-site field investigation determines the project may impact critical and unique wildlife habitat such as wetlands, you may be requested to conduct additional surveys.

If you have any questions, please contact me directly at (717) 783-5957.

Very truly yours,

Anthony S. Ross
Wildlife Impact Review Coordinator
Division of Environmental
Planning and Habitat Protection
Bureau of Land Management

ASR/pfb



November 29, 2000

Non-Game and Endangered Species Unit Leader
Pennsylvania Fish and Boat Commission
Bureau of Fisheries and Engineering
450 Robinson Lane
Bellefonte, PA 16823

Re: East Manchester Township
York County, PA
Act 537 Sewage Plan

The enclosed copies of the PNDI Search and Internet Database Search Result Forms require that I contact your office for consultation and recommendations in the preparation of East Manchester Township's Act 537 Sewage Plan, which this firm is currently engaged in. The proposed activities included in the area outlined on the York Haven USGS Quad Map include the installation of gravity sewers, a pump station with force main, and concrete manholes to serve the Village of Saginaw. Also, included is a small (50,000 gallon per day) wastewater treatment plant just north of Saginaw with an outfall line to the Susquehanna River. The sewers and manholes will be installed within the Village streets and rights-of-way in Saginaw. The total project area encompasses approximately 141 acres, of which only 8 to 10 acres will be disturbed. The sewage facilities will be constructed in accordance with Township and Department of Environmental Protection criteria. The wastewater treatment plant will be maintained and operated by the Northeastern York County Sewer Authority. Erosion and sedimentation control measures used during the construction of the facilities will be approved by the York County Conservation District prior to start of actual construction. Recommendations made by you will be used during the design and construction phases of the proposed project.

Your prompt response to this request is appreciated. If you have any questions or require additional information, please contact me at the above listed telephone number.

Sincerely,

GORDON L. BROWN & ASSOCIATES, INC.

Kenneth A. Vesely, P.E.

Copy to: Project File

**Gordon L. Brown
& Associates, Inc.**

*Consulting Civil Engineers
& Surveyors*

2238 South Queen Street
York, PA 17402-4631
(717) 741-4621 Phone
(717) 741-1418 Facsimile



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER QUALITY PROTECTION
BUREAU OF WATERWAYS ENGINEERING

FOR OFFICIAL USE ONLY

PNDI Screening

Reviewer A McCallumDate 11/7/00Phone No. 670166

SUPPLEMENT NO. 1
PENNSYLVANIA NATURAL DIVERSITY INVENTORY SEARCH FORM

This form provides site information necessary to perform a computer screening for species of special concern listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the Pennsylvania Fish and Boat Code or the PA Game and Wildlife Code. Records regarding species of special concern are maintained by PA DCNR in a computer data base called the "Pennsylvania Natural Diversity Inventory" (PNDI). Results from this search are not intended to be a conclusive compilation of all potential special concern resources located within a proposed project site. On-site biological surveys may be recommended to provide a definitive statement on the presence or absence, or degree of natural integrity of any project site. Results of this PNDI search are valid for one year.

Please complete the information below, attach an 8½" x 11" photocopy (DO NOT REDUCE) of the portion of the U.S.G.S. Quadrangle Map that identifies the project location and outlines the approximate boundaries of the project and mail to the appropriate DEP regional office or delegated County Conservation District prior to completing a Chapter 105 environmental assessment or any other DEP permit application. (SEE REVERSE SIDE FOR LIST OF OFFICES AND ADDRESSES).

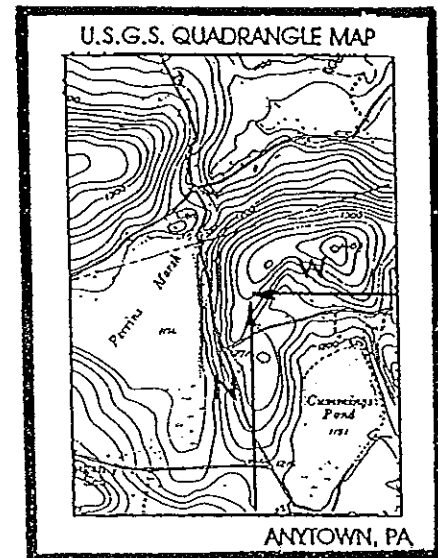
NAME: East Manchester TownshipADDRESS: 508 N. Sherman Street Ext'd.Mount Wolf, PA 17347PHONE: (717) -2664279COUNTY: YorkTWP./MUNICIPALITY: East Manchester Township

U.S.G.S. 7½ Minute Quadrangle

York Haven, PA

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

Construction of gravity sewers and pump station with force main to serve the Griffith Lane/Canal Road area. The total project area is approximately 290 acres, with a disturbed area of 18 to 20 acres total.

North (Up) 14 inchesWest (to the left) 15 inches

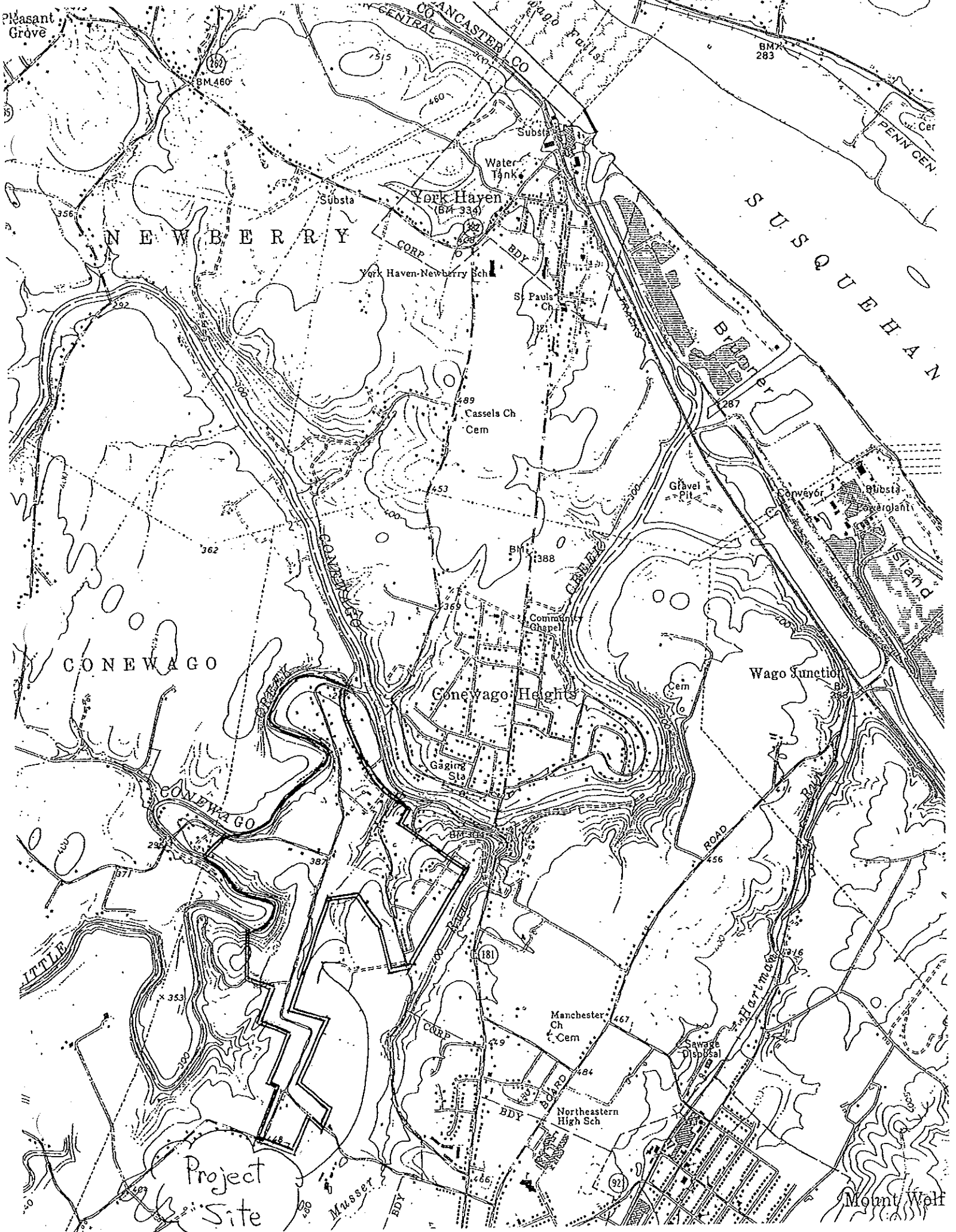
INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

FOR OFFICIAL USE ONLY

SCREENING RESULTS - Follow the directions of the checked block.

☐ No potential conflicts were encountered during the PNDI inquiry. Include this form and the PNDI receipt with your Chapter 105 environmental assessment or other DEP permit application submissions.

☒ Potential conflicts must be resolved by contacting the natural resource agencies listed on the PNDI receipt. Please provide a copy of this form and the PNDI receipt along with a brief description of your project to the listed agency for consultation and recommendations. Include this form, the printed PNDI search results and the natural resource agency's written recommendation with your Chapter 105 environmental assessment or other DEP permit application submissions.



Pleasant Grove

BM 460

BM 283

NEWBERRY

LANCASTER CO

PENN GEN

SUSQUEHANNA

York Haven
(BM 334)

York Haven-Newberry Sch

St. Paul's Ch

489
Cassels Ch
Cem

Gravel Pit

Conveyor

Substa

Island

CONEWAGO

Conewago Heights

Wago Junction

Gaging Sta

CONEWAGO

ROAD

LITTLE

Project Site

Manchester Ch
Cem

Northeastern High Sch

Sewage Disposal

Mount Wolf

PNDI Internet Database Search Results

PNDI Search Number: N70362

Search Results For McCollum.Allyson@dep.state.pa.us

Search Performed By: Allyson McCollum On 11/7/2000 7:51:16 AM

Agency/Organization: Department of Environmental Protection

Phone Number: 717-705-4808

Search Parameters: Quad - 407616; North Offset - 14; West Offset - 15; Acres - 640

Project location center (Latitude): 40.07686

Project location center (Longitude): 76.73210

Project Type: DEP Permits/Obstructions/Encroachments

Print this page using your Internet browser's print function and keep it as a record of your search.

Bureau of Forestry personnel should FAX this receipt, project description, County, Township, and USGS Topo (with quad name) to Jeanne Brennan for ALL potential conflicts. FAX Number: (717) 772-0271

DEP and Conservation Districts should follow the instructions below when potential conflicts are indicated.

When details are displayed as part of the search result, the element's Scientific Name, Common Name, State Status, Proposed State Status and Number of Occurrences within the Search Area are listed.

Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

1 potential conflicts

The Applicant should FAX a cover letter including a project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality where project resides, USGS 7.5 minute quadrangle with project boundary marked, and quad name on the map to:

**Non-Game and Endangered Species Unit Leader
Pennsylvania Fish and Boat Commission
Bureau of Fisheries and Engineering
450 Robinson Lane
Bellefonte, PA 16823
FAX number: (814) 359-5153**

PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not

necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled Pennsylvania Biological Resource Management Agencies, outlines which species groups are managed by these agencies. Feel free to contact our office if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.

[New Search](#)[PNDI Search Home](#)[PNDI Search Welcome](#)

BUREAU OF FISHERIES

Delano R. Graff, Director
(814) 359-5154
FAX: (814) 359-5153

IN REPLY REFER TO
SIR# 5510



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA FISH & BOAT COMMISSION

450 Robinson Lane
Bellefonte, PA 16823-9620

December 11, 2000

DIVISION OF FISHERIES MANAGEMENT

Richard A. Snyder, Chief
(814) 359-5110
FAX: (814) 359-5153

GORDON L. BROWN & ASSOCIATES, INC.
Kenneth A. Vesely
2238 south Queen Street
York, PA 17402-4631

Dear Mr. Vesely:

RE: Species Impact Review (SIR) - Rare, Candidate, Threatened, and Endangered Species
PNDI Potential Conflict Number: N70362
Act 537 Sewage Plan
East Manchester Township, York County, Pennsylvania

I have reviewed the map accompanying your recent correspondence which concerns the above referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files, a rare or protected species under Pennsylvania Fish & Boat Commission jurisdiction is known from the vicinity of the proposed project site. However, given the nature of the proposed project, no adverse impacts are expected from the proposed project to the species of special concern.

To allow for faster processing of Species Impact Reviews (SIR's) in the future, we are requesting that the attached SIR processing form be completed and returned to this office with other relevant project information. Please make copies of the attached form and use with all future project reviews. If you have received, and in fact are using the new form, please disregard the above request. Please note that the PFBC conducts Species Impact Reviews **only for reptiles, amphibians, fishes, and aquatic invertebrates**. Reviews concerning other natural resources must be submitted to other appropriate agencies. In any future correspondence with us regarding this specific project, please refer to the SIR tracking number listed above. Thank you in advance for your cooperation and attention to this matter of nongame species conservation and habitat protection.

Please call me at (814) 359-5113 or my assistant, Chris Urban, at (814) 359-5186 if you have any questions regarding my response.

Sincerely,

A handwritten signature in cursive script that reads "Christopher A. Urban".

for Andrew L. Shiels, Leader
Nongame and Endangered Species Unit

CU/csk

cc: R. Snyder, PFBC

APPENDIX F

PA Historic and Archaeological Commission
Correspondence



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



April 19, 2001

Kenneth A. Vesely, P.E.
Gordon L. Brown & Associates, Inc.
2238 South Queen Street
York, PA 17402-4631

Re: File No. ER 01-1420-133-A
RUS: Act 537 Plan (Sewage
Facilities Plan), Proposed Sanitary
Sewer Systems for Three Areas, The
Oaks, Village of Saginaw, Canal
Road & Griffith Lane, East
Manchester Twp., York Co.

Dear Mr. Vesely:

The Bureau for Historic Preservation (the State Historic Preservation Office) has reviewed the above named project in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended in 1980 and 1992, and the regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation. These requirements include consideration of the project's potential effect upon both historic and archaeological resources.

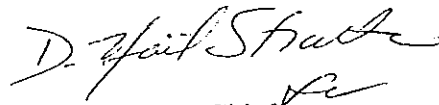
There is a high probability that prehistoric and historic archaeological resources are located in this project area. In our opinion, the activity described in your proposal should have no effect on such resources. Should the scope of the project be amended to include additional ground disturbing activity this office should be contacted immediately and a Phase I Archaeological Survey may be necessary to locate all potentially significant archaeological resources.

There may be historic structures eligible for the National Register of Historic Places located in the project area. However, due to the nature of the activity, it is our opinion that there will be no effect on these properties. Should the applicant become aware, from any source, that unidentified historic resources are located at the project site, or that the project activities will have an effect on these properties, the Bureau for Historic Preservation should be contacted immediately.

Page 2
April 19, 2001
Kenneth A. Vesely, P.E.

If you need further information in this matter please consult Noël Strattan at (717) 772-4519. If you need a **status only** of the reviewed project please call Tina Webber at (717) 705-4036.

Sincerely,

A handwritten signature in cursive script, appearing to read "D. Noel Strattan", is written over the printed name of Kurt W. Carr.

Kurt W. Carr, Chief
Division of Archaeology &
Protection

Cc: DEP, Southcentral Regional Office

KWC/tmw

APPENDIX G

Rural Utilities Service Correspondence



Rural Development
Mission Area
Lehigh Area Office
www.rurdev.usda.gov/pa

2211 Mack Boulevard
Allentown, PA 18103-5623
(610) 791-9810 (phone) • (610) 791-9820 (fax)
TTY/TDD Only 1-800-654-5984
Voice Only 1-800-654-5988
Leila.Fay@paallentow.fsc.usda.gov

November 30, 2000

Attn: Mr. Ken Vesely
Gordon L. Brown & Assoc.
2238 S. Queen Street
York, PA 17402-4631

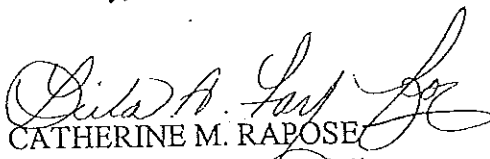
Re: East Manchester Twp.
York County

Dear Mr. Vesely:

Per our phone conversation this date, it appears the Township of East Manchester would be eligible for a loan from the Rural Utilities Service (RUS). Based on a Median Household Income of \$34,338, the interest rate would be 5.500% (good through 12/31/00), and the term would be for 40 years. This loan would be for the purpose of installing gravity sewers and a small treatment plant.

Feel free to give us a call should you have any further questions.

Sincerely,


CATHERINE M. RAPOSE
Rural Development Specialist

CMR/laf

Rural Housing
Service

Rural Business-Cooperative
Service

Rural Utilities
Service

USDA prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.

APPENDIX H

Preliminary Effluent Limits



Pennsylvania Department of Environmental Protection

909 Elmerton Avenue
Harrisburg, PA 17110-8200
December 4, 2000

Southcentral Regional Office

717-705-4707
FAX - 717-705-4760

Kenneth A. Vesely
Gordon L. Brown & Associates, Inc.
2238 South Queen Street
York, PA 17402-4631

Re: Sewage
Preliminary Effluent Limits
Proposed Saginaw WWTP
East Manchester Township, York County

Dear Mr. Vesely:

In response to your request of October 31, 2000, we have developed preliminary effluent limits for a proposed discharge of 0.05 MGD of treated domestic wastewater to the Susquehanna River. Any changes in the size or location of the discharge will require a reevaluation. The preliminary limits in mg/l are as follows:

Parameter	Effluent Limits (mg/l)		
	Monthly Average	Weekly Average	Instantaneous Maximum
Total Suspended Solids	30	XXX	60
CBOD-5	25	XXX	50
Total Residual Chlorine*	0.5	XXX	1.6
Ammonia-Nitrogen	Monitor & Report	XXX	XXX
Dissolved Oxygen	Minimum of 5.0 mg/l at all times		
pH (S.U.)	Within range of 6 to 9 S.U. at all times		
Fecal Coliform	Not greater than 200/100 ml as a geometric average value, not greater than 1,000/100 ml in more than 10% of the samples tested from May 1 to September 30; not greater than 100,000/100 ml as a geometric average value during the remainder of the year.		

* If chlorine is used for disinfection.

Issuance of these limits does not represent approval for a discharge to the waters of the Commonwealth. This information is provided as an aid in evaluating alternative wastewater disposal

Mr. Kenneth A. Vesely
December 4, 2000

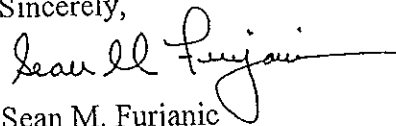
methods, and these limits may be modified upon review of an NPDES permit application for this discharge.

To meet the requirements of the Sewage Facilities Act, the proposed facility must be included in the municipality's Official Plan for Wastewater Management approved by the Department. If you have not already done so, please initiate the planning process by contacting the Department's York District Office (717-771-4481).

When the municipality has a Department-approved Official Plan that addresses this project, permit applications may be submitted. Please remember that an NPDES permit application must be filed with the Department at least 180 days before you propose to commence discharge of treated wastewater. A Water Management Part II permit must be obtained from the Department prior to starting construction of the collection system and treatment plant. Permit applications can be obtained by contacting this office.

If you have any questions, please contact me at 717-705-4826.

Sincerely,

A handwritten signature in dark ink, appearing to read "Sean M. Furjanic", with a long horizontal flourish extending to the right.

Sean M. Furjanic
Permits Section
Water Management Program

APPENDIX I

Resolution of Adoption

RESOLUTION NO. 2001-13

RESOLUTION FOR PLAN ADOPTION

RESOLUTION OF THE BOARD OF SUPERVISORS OF EAST MANCHESTER TOWNSHIP, YORK 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 Department of Environmental Protection adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes, and to revise said plan whenever it is necessary to meet the sewage disposal needs of the municipality, and

WHEREAS, Gordon L. Brown & Associates, Inc. has prepared a Facilities Plan which provides for sewage facilities in a portion of East Manchester Township, and

The alternatives of choice to be implemented are the construction of a satellite treatment facility, pump stations, force mains and collection systems, plus the implementation of an on-lot subsurface disposal management program.

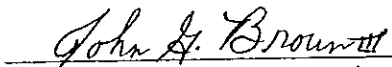
WHEREAS, the Board of Supervisors finds that the Facility Plan described above conforms to applicable zoning, subdivision, and other municipal ordinances and plans and to a comprehensive program of pollution control and water quality management.

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of East Manchester Township hereby adopt and submit to the Department of Environmental Protection for its approval as the "Official Plan" of the municipality. The municipality hereby assures the Department of the complete and timely implementation of the said plan as required by law. (Section 5, Pennsylvania Sewage Facilities Act as amended).

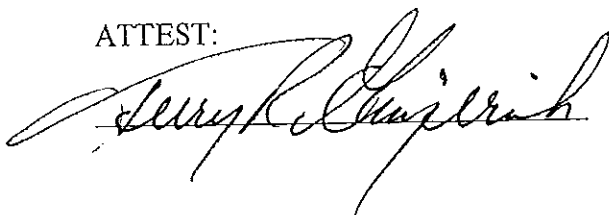
I, John G. Brown III, Chairman, Board of Supervisors, hereby certify that the foregoing is a true copy of the Township's Resolution No. 2001-13, adopted November 13, 2001.

AUTHORIZED SIGNATURE

TOWNSHIP SEAL


Chairman, Board of Supervisors

ATTEST:



APPENDIX J

Planning Agency Comments



YORK COUNTY PLANNING COMMISSION

100 WEST MARKET STREET, YORK, PENNSYLVANIA 17401
TELEPHONE: (717) 771-9870 FAX: (717) 771-9511

May 4, 2000

Mr. Ken Vesely
Gordon L. Brown & Assoc., Inc.
2238 S. Queen St.
York, PA 17402-4621

Re: Act 537 Officials Sewage Facilities Plan
East Manchester Township
YCPC Project #00-42

Dear Mr. Vesely:

The above referenced matter was reviewed by the York County Planning Commission at its regular meeting held on Tuesday, May 2, 2000.

By formal action the Commission adopted the attached report as constituting its comments on this matter in accordance with Section 304 of the Pennsylvania Municipalities Planning Code and Section 71.16(b)(2) of the Pennsylvania Sewage Facilities Act, Act 537.

Very truly yours,

Felicia S. Dell
Director of Planning

FSD/jb

Enc.

cc: Terry R. Gingerich, Sec.-Treas.
East Manchester Township

**ACT 537 SEWAGE FACILITIES PLAN
EAST MANCHESTER TOWNSHIP
YCPC PROJECT #00-42**

PROJECT DESCRIPTION

A proposed Act 537 Sewage Facilities Plan for East Manchester Township has been submitted to the York County Planning Commission for review and comment, as required by Section 304 of the Pennsylvania Municipalities Planning Code, and Section 71.16(b)(2) of the Pennsylvania Sewage Facilities Act, Act 537.

PROJECT DISCUSSION

The most recent wastewater planning in East Manchester Township resulted in the East Manchester Township Act 537 Update, Manchester/Mt. Wolf Sewage Treatment Plant Study completed in 1985. The 1985 Plan resulted in the formation of the Northeastern York County Sewer Authority, the expansion of the Manchester/Mt. Wolf Wastewater Treatment Plant, and the identification of several additional need areas within East Manchester Township. The purpose of this new Act 537 Plan was to provide an updated evaluation of the Township's sewage disposal needs, and to identify additional need areas.

The following factors were used to determine the type and locations of need areas:

1. Well water analyses conducted on wells which supply water to households,
2. records of on-lot sewage disposal system (OLDS) malfunctions,
3. analysis of soils and their suitability for OLDS, and
4. the location of wetlands.

As a result, five major need areas were identified. They are:

1. The Village of Saginaw - immediate need area
2. Along Big Conewago Creek Road and Creek Bottom Road
3. Along Griffith Road, Canal Road, Park Street, Old School Lane, and Conewago Creek Road - immediate need area
4. The development which includes Don Rene Road and Bonita Drive
5. The Oaks - immediate need area

The selected alternatives for the identified needs are as follows:

1. A public sewer system for the Village of Saginaw, including gravity sewers, a satellite wastewater treatment plant (WWTP), pumping station, and force main. This project also includes the redirection of wastewater flows from the southeastern end of East Manchester Township to the proposed WWTP. (An immediate need area)
2. A public sewer system for the Griffith Lane, Conewago Creek Road, Old School Lane, and Park Street Area, including gravity sewers, pumping station, and force main. (An immediate need area)
3. A public sewer system for the Oak Drive, Acorn Drive, and Brook Drive Area, including gravity sewers. (An immediate need area)
4. An on-lot management program and ordinance for the Big Conewago Creek Road and Creek Bottom Road area, and the development which includes Don Rene Road and Bonita Drive. (The other two major need areas)
5. An education program for those properties included in the on-lot management program.
6. A requirement for a hydrogeologic evaluation for all subdivisions greater than 10 lots proposing the use of on-lot sewage disposal systems, and within 1/4 mile of an area subject to groundwater contamination as identified by the well sampling program.
7. The adoption of a Water Well Ordinance.
8. Revisions to the Zoning Ordinance, including an increase in the minimum lot size for all residential properties without public sewer or water facilities to 1 acre, and a clarification that any Apartment District requires the connection to public sewer facilities.

The Plan provides cost estimates for the selected alternatives, with user costs based on financing through a 40 year loan at 5.75% through the Rural Utilities Service. The Township has requested that the Northeastern York County Sewer Authority implement the proposed construction projects. The Authority currently owns, operates, and maintains the Manchester/Mt. Wolf WWTP and is in the position to finance and administer the contracts required to accomplish the specified projects. The user costs provided in the Plan are based on the Authority's ability to spread the cost of the two construction projects and the subsequent operation and maintenance costs to the entire customer base.

The existing service area of the Northeastern York County Sewer Authority includes the Boroughs of Mt. Wolf and Manchester, a small area north of Mt. Wolf Borough, along the north George Street Extended corridor south of Manchester Borough, and the area southeast of Mt. Wolf Borough along Starview Road and north Sherman Street Extended.

One privately owned WWTP is located within the Township, serving the Asbury Point development located at the easternmost point of the Township. The rated capacity of the facility should be

adequate for the build-out of the subdivision, and there are no plans for expansion or extension of the service area.

COMMENTS

The selected alternatives included in this Act 537 Plan appear to be appropriate responses to the needs identified in the study process. The three *immediate need areas*, which will be provided with public sewer facilities, are all located within the future development corridors identified in the East Manchester Township Comprehensive Plan and Zoning Ordinance. The on-lot management program recommended for the development which includes Don Rene Road and Bonita Drive is an appropriate response since this is not an area projected for future public utility provision.

The basic premise of the County Plan is to concentrate development in designated Urban Growth Areas, and within and adjacent to existing villages and boroughs. The Plan also proposes strict limitations on development in designated preservation areas, which include unique natural resource lands, agricultural lands, parks and recreation lands, and scenic, historic, and cultural resource areas. Extension of utilities beyond growth areas is strongly discouraged in order to prevent further service area expansions into important agricultural and preservation areas.

The County Plan Update adopted in 1997 includes the delineation of "interim growth area boundaries." Through the *Municipal Consulting Program* the County is now working with individual municipalities to jointly determine the final location of growth boundary lines within local jurisdictions. By working together to finalize the size of growth areas, the final result is a consistency between the County Plan and municipal plans, as required by the Pennsylvania Municipalities Planning Code.

Since the areas included in the future growth corridors as proposed in the East Manchester Township Comprehensive Plan are larger in extent than the lands included in the interim growth boundaries proposed in the York County Comprehensive Plan, it is important to initiate the negotiation process to establish agreed upon limits to growth within the Township. The County Plan recognizes the need to extend public facilities to correct identified need areas, and through the negotiation process would certainly be willing to consider adjustments to the interim growth area delineations.

Therefore, since the public facility extensions proposed in this Act 537 Plan address clearly identified need areas, and since the proposed future public sewage facilities service areas are generally consistent with the goals and objectives of the York County Comprehensive Plan, it is recommended that the Plan be approved. It is also recommended that the Township begin participation in the *Municipal Consulting Program* in order to establish clearly defined limits to future extensions of public facilities, and to provide a more specific level of consistency between County and municipal planning documents.



EAST MANCHESTER TOWNSHIP

5080 N. SHERMAN ST. EXT.
MT. WOLF, PA 17347
(717) 266-4279
Fax (717) 266-0429

DEP - South Central Region
Attn: Paul Curry
909 Elmerton Avenue
Harrisburg, PA 17110-8200

January 23, 2002

Dear Mr. Curry:

At their regularly scheduled meeting held on Tuesday January 22, 2002, the East Manchester Township Planning Commission reviewed again the proposed Act 537 plan and its provisions.

By a unanimous vote the decision was placed on the record to support the action taken by the Board of Supervisors to approve the Act 537 plan.

The Commission hopes that the action they have taken facilitates DEP's approval of East Manchester Township's plan.

If you have any questions, I have been directed by the Planning Commission to write this letter and do any follow up that is needed, so please contact me at the Township Office at (717)266-4279.

Sincerely,
East Manchester Township

Deborah Siders
Zoning Officer

APPENDIX K

Proof of Publication and Written Comments

Proof of Publication

in the _____ Court _____ of York County

Copy of Advertisement Attached Here

Of _____ Term, 20

No. _____

THE YORK DISPATCH/YORK SUNDAY NEWS and YORK DAILY RECORD are the names of the daily newspapers of general circulation published continuously for more than the last six months by York Newspaper Company, at its principal place of business, which is at 1891 Loucks Road, York, PA 17404.

The printed copy of the advertisement hereto attached is a true copy, exactly as printed and published, of an advertisement printed in the regular issues of the said The York Dispatch/York Sunday News and York Daily Record published on the following dates, viz:

August 13, 2001

LEGAL NOTICE

Let it be known that the East Manchester Township Board of Supervisors intends to adopt an Official Sewage Facilities Plan as required by Section 9 of the Act of January 24, 1966 P.L. 1535, No. 537 as amended, known as the Pennsylvania Sewage Facilities Act. This proposed Sewage Plan identifies the current and future sewage disposal needs of the Township's residents and makes recommendations to address these needs.

The major recommendations made by this plan are as follows:

1. Construction of sewage collection facilities and satellite wastewater treatment plant to serve the Village of Saginaw area.
2. Extension of sewage collection facilities to serve Acorn, Oak and Brook Drives.
3. Construction of sewage collection facilities and a pumping station with force main to serve the area containing Griffith Lane, Park Street, Old School Lane, Hill Street, Conewago Creek Road, Switzer Court, Canal Road and Manchester Street.
4. The establishment and implementation of a municipal on-lot subsurface sewage disposal management program to include the adoption of an ordinance.
5. Adoption of a water well ordinance.
6. Requirement for hydrogeologic evaluations for subdivisions.
7. Establishment of an operation and maintenance agreement governing the use of denitrification units for on-lot sewage disposal systems.
8. Revisions to the Township Zoning Ordinance recommending an increase to the lot size for all residential districts to one (1) acre for properties without public sewer or water facilities and a clarification that within the Apartment/Office District connection to public sewers is required.

Residents of East Manchester Township are hereby notified of a thirty (30) day public review and comment period during which written comments regarding the plan may be submitted to the Township Board of Supervisors, 5080 N. Sherman Street, Ext'd., Mt. Wolf, PA 17347. The proposed sewage facilities plan can be reviewed by residents of East Manchester Township at the Township Municipal Building on N. Sherman Street, Ext'd., during regular business hours which are Monday through Friday from 8:00 AM to 4:00 PM. The 30 day review and comment period will commence on Monday, August 13, 2001.

COMMONWEALTH OF PENNSYLVANIA COUNTY OF YORK

SS

Before me, a Notary Public, personally came Kristel Hennessy who being duly sworn deposes and says that he/she is the classified manager of York Newspaper Company, and has personal knowledge of the publication of the advertisement mentioned in the foregoing statement as to the time, place and character of publications are true, and that the affiant is not interested in the subject matter of the above mentioned advertisement.

Sworn and subscribed to before me this

13th day of August 2001

Jean Marie Porter

Notary Public

Notarial Seal
Jean Marie Porter, Notary Public
York Twp., York County
My Commission Expires Mar. 20, 2005

Member, Pennsylvania Association of Notaries

Received _____

Dollars

100

in payment of the charge for the publication of above mentioned advertisement and the expense of above affidavit.

Advertisement \$ _____

Affidavit \$ _____

Flat Rate Fee \$ _____



EAST MANCHESTER TOWNSHIP

5080 N. SHERMAN ST. EXT.
MT. WOLF, PA 17347
(717) 266-4279
Fax (717) 266-0429

September 17, 2001

To Whom It May Concern:

The proposed Act 537 Plan for East Manchester Township was advertised on August 13, 2001 for public comment.

No comments were received by the close of the comment period, September 13, 2001.

If you have any questions, please feel free to call the Township Office at 717-266-4279.

Sincerely,
East Manchester Township

Deborah Siders

Deborah Siders
Zoning Officer

APPENDIX L

Memorandum of Intent

MEMORANDUM OF INTENT

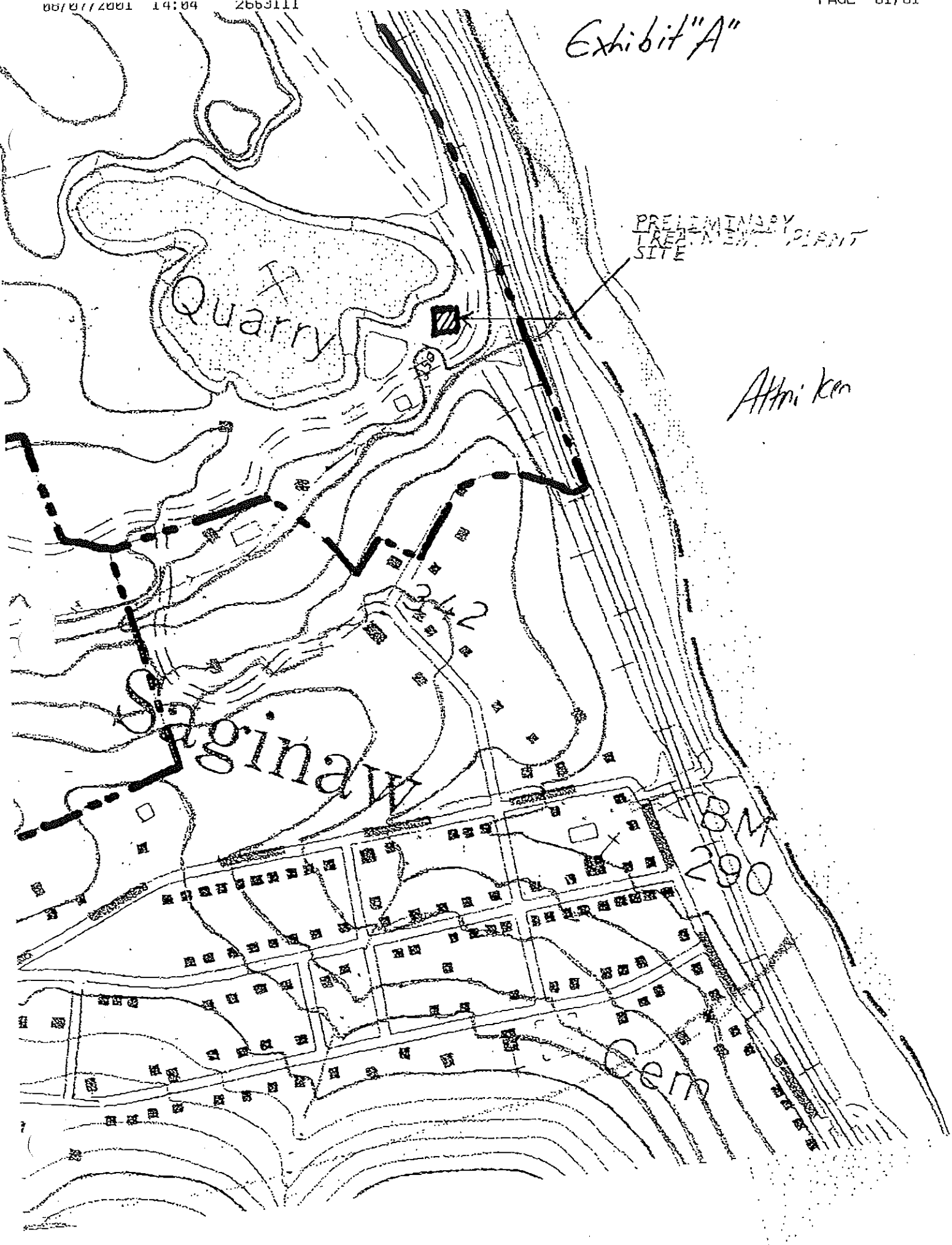
AND NOW, this 2nd day of August, 2001, comes Craig E. Dallmeyer who states as follows:

In exchange for certain consideration, more fully set forth below, I will allow a portion of my land identified as parcel 51B to be subdivided off for the construction of a proposed wastewater treatment plant. This will be sited north of the village of Saginaw, as proposed and referenced in Township's Act 537 Sewage Plan. I understand that the area for the proposed wastewater treatment plant will not exceed five (5) acres in size and will be located approximately as shown by the hatched area on the attached Exhibit "A". My agreement to this Memorandum of Intent is conditioned upon final approval of the exact site location, and upon written confirmation that I will receive a grant of EDU's (with tap in fee waivers for each) or other compensation in a number to be mutually agreed upon.

WITNESS:


CRAIG E. DALLMEYER

Exhibit "A"



PRELIMINARY
AREA NEW PLANT
SITE

Althi ken

Siginaw

204
290

Cent

APPENDIX M

Sample Denitrification Operation and Maintenance Agreement

**DENITRIFICATION UNIT OPERATION
AND MAINTENANCE AGREEMENT**

THIS AGREEMENT, dated the _____ day of _____, 2001, by
and between _____
(Owner), EAST MANCHESTER TOWNSHIP (Township), York County, a municipality within
the Commonwealth of Pennsylvania, and _____
(Contractor) a company responsible for providing maintenance services;

WHEREAS, Owner wishes to install an individual on-lot sewage disposal system
equipped with a denitrification unit on real estate more particularly described in Land
Development Planning Module, further identified by UPI Number _____;
and

WHEREAS, the Township is required to assure the proper operation and
maintenance of sewage facilities within their borders;

WHEREAS, the Township must approve the Planning Module for Land Development
submitted by the Owner prior to Owner obtaining permits for installation of an on-lot
sewage disposal system:

NOW, THEREFORE, in consideration of the foregoing and to persuade the Township
to approve said Planning Module, and intending to be legally bound, Owner, their heirs and
assigns agree as follows:

1. The proposed system shall be used for the disposal of household (domestic)
type waste only.
2. The proposed system shall be equipped with a denitrification unit throughout
its functional life. This restriction shall be made a part of the deed and plot plan.

3. Said system shall be properly maintained, monitored, and inspected by the Contractor at intervals recommended by the manufacturer of the denitrification unit. Contractor shall send proof of inspection to Township after such inspection.

4. Upon completion of maintenance activities, the Contractor shall submit for payment to the Owner in accordance with the contract between the Owner and Contractor.

5. The Contractor shall submit a bill to the Owner for all costs and expenses incurred in maintaining and inspecting said system. Upon receipt of the bill, the Owner shall remit full payment within thirty (30) days.

6. Owner shall escrow with the Township the sum of \$300.00 for each unit to be installed as bond. In the event that the Owner fails to pay the Contractor, the bond shall be forfeit and Township shall be entitled to institute appropriate legal action against the owner.

7. In the event that the performance of the Contractor is deemed less than satisfactory by both the Township and the Owner, Contractor shall be given reasonable notice and opportunity to correct problems and improve performance.

8. In the event that the Contractor fails to provide service in accordance with the provisions of this contract, Contractor shall be subject to a lien.

9. Contractor shall provide thirty (30) days notice prior to terminating services covered under this contract. If the reason for termination is an act of God or other circumstance beyond the Contractor's control, Contractor shall notify Township at contractor's earliest opportunity.

10. In the event a system malfunction is observed, Owner and/or Contractor shall notify the appointed, certified Sewage Enforcement Officer for the Township and proceed in accordance with the Sewage Facilities Act and the Rules and Regulations to implement repairs to the system.

11. In the event Owner does not proceed with repairs, Township or its agents shall enter upon the property to abate the nuisance created thereby and to effect repairs, with costs and expenses incurred to be paid by Owner; PROVIDED, nevertheless, so long as an emergency condition does not exist, that the Owner shall be given five (5) working days prior notice by the Township of its intent to enter the property and effect repairs.

12. In the event the Township is required to proceed pursuant to paragraph 11 to make any necessary repairs or abate any nuisances, the Township shall submit a bill to the Owner for the costs incurred by the Township in making such repairs or abating such nuisances, which the Owner shall pay within thirty (30) days after submission of the bill by the Township. In the event that the Owner fails to make such payments in the required time, then the Township may, in its sole discretion, pursue any and all legal remedies available to it to collect such costs, including, but not limited to, the placement of a municipal lien on the property. The Owner shall be responsible for all costs necessary to collect such amounts, including reasonable attorney's fees.

13. In the event Owner sells the property, Owner shall notify Township of the name of the new Owner.

14. This Agreement shall be filed in the Office of the Recorder of Deeds in and for York County, Pennsylvania.

15. This Agreement shall be binding on the heirs, successors and assigns of Owner and Contractor.

IN WITNESS WHEREOF, the parties have set their hands and seals the day and dates below written.

WITNESS:

Owner _____ (SEAL)

Date: _____

Owner _____ (SEAL)

Date: _____

Contractor _____ (SEAL)

Date: _____

ATTEST:

EAST MANCHESTER TOWNSHIP

Secretary By: _____
Chairman

Date: _____

(SEAL)

COMMONWEALTH OF PENNSYLVANIA :

COUNTY OF YORK :

On this the _____ day of _____, 2001, before me, the undersigned officer, personally appeared _____ and _____, Owners, known to me (or satisfactorily proven) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Notary Public

COMMONWEALTH OF PENNSYLVANIA :

COUNTY OF YORK :

On this the _____ day of _____, 2001, before me, the undersigned officer, personally appeared _____, Contractor, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Notary Public

COMMONWEALTH OF PENNSYLVANIA :

COUNTY OF YORK :

On this the _____ day of _____, 2001, before me, the undersigned officer, personally appeared John G. Brown, III, Chairman, on behalf of the Board of Supervisors of East Manchester Township, who executes this document and acknowledge he is authorized to do so and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Notary Public

APPENDIX N

PADEP Checklist

ADMINISTRATIVE COMPLETENESS CHECKLIST

DEP Use Only	Indicate Page #(s) in Plan	In addition to the main body of the Plan, the Plan must include items 1 through 8 listed below to be accepted for formal review by the Department. Incomplete Plans will be returned unless the municipality is clearly requesting an advisory review, only.
_____	_____	1. Table of Contents
_____	_____	2. Plan Summary
_____	<u>1-1</u>	A. Identify the proposed service areas and major problems evaluated in the Plan. (Reference - Title 25, §71.21.a.7.i)
_____	<u>1-2</u>	B. Identify the alternative(s) chosen to solve the problems and serve the areas of need identified in the plan. Also, include any institutional arrangements necessary to implement the chosen alternative(s). (Reference Title 25 §71.21.a.7.ii)
_____	<u>1-3</u>	C. Present the estimated cost of implementing the proposed alternative (including the user fees) and the proposed funding method to be used. (Reference Title 25, §71.21.a.7.ii)
_____	<u>1-4</u>	D. Identify the municipal commitments necessary to implement the Plan. (Reference Title 25, §71.21.a.7.iii)
_____	<u>1-5</u>	E. Provide a schedule of implementation for the project which identifies the MAJOR milestones with dates necessary to accomplish the project to the point of operational status. (Reference Title 25, § 71.21.a.7.iv)
_____	<u>Appendix I</u>	3. Original, signed and sealed Resolution of Adoption by the Municipality which contains, at a minimum, alternatives chosen and a commitment to implement the Plan in accordance with the implementation schedule. (Reference Title 25, §71.31.f) Section V.F. of the Planning Guide.
_____	<u>Appendix J</u>	4. Evidence that the municipality has requested, reviewed, and considered comments by appropriate official planning agencies of the municipality, planning agencies of the county, planning agencies with areawide jurisdiction (where applicable), and any existing county or joint county departments of health. (Reference-Title 25, §71.31.b) Section V.E.1 of the Planning Guide.
_____	<u>Appendix K</u>	5. Proof of Public Notice which documents the proposed plan adoption, plan summary, and the establishment and uncontested conduct of a 30 day comment period. (Reference-Title 25 §71.31.c) Section V.E.2 of the Planning Guide.
_____	<u>Appendix K</u>	6. Copies of ALL written comments received and municipal response to EACH comment in relation to the proposed plan. (Reference-Title 25, §71.31.c) Section V.E.2 of the Planning Guide.
_____	<u>1-5</u>	7. A complete project implementation schedule with milestone dates specific for each existing and future area of need. Other activities in the project implementation schedule should be indicated as occurring a finite number of days from a major milestone. (Reference-Title 25, §71.31.d) Section of the Planning Guide. Include dates for the future initiation of feasibility evaluations in the project's implementation schedule for areas proposing completion of sewage facilities for planning periods in excess of five years. (Reference Title 25, §71.21.b)
_____	<u>Appendix J</u>	8. Documentation indicating that the appropriate agencies have received, reviewed and concurred with the method proposed to resolve identified inconsistencies within the proposed alternative and consistency requirements in 71.21.(a)(5)(i-iii). (Reference-Title 25, §71.31.e) Appendix B of the Planning Guide.

GENERAL PLAN CONTENT CHECKLIST

DEP Use Only	Indicate Page #(s) in Plan	Item Required
--------------------	----------------------------------	---------------

I. Previous Wastewater Planning

A. Identify and briefly analyze all existing wastewater planning that:

1. Has been previously undertaken under the Sewage Facilities Act (Act 537). (Reference-Act 537, Section 5 §d.1)
2. Has not been carried out according to an approved implementation schedule contained in the plans. (Reference-Title 25, §71.21.a.5.i.A-D) Section V.F of the Planning Guide
3. Is anticipated or planned by applicable sewer authorities. (Reference-Title 25, §71.21.a.5.i.A) Section V.D. of the Planning Guide.
4. Has been done through planning modules for new land development, planning "exemptions" and addenda. (Reference-Title 25, §71.21.a.5.i.A).

B. Identify and briefly summarizes all municipal and county planning documents adopted pursuant to the Pennsylvania Municipalities Planning Code (Act 247) including:

1. All land use plans and zoning maps which identify residential, commercial, industrial, agricultural, recreational, and open space areas. (Reference-Title 25, §71.21.a.3.iv).
2. Zoning or subdivision regulations that establish lot sizes predicated on sewage disposal methods. (Reference-Title 25 §71.21.a.3.iv).
3. All limitations and plans related to floodplain and stormwater management and special protection (Ch. 93) areas. (Reference-Title 25 §71.21.a.3.iv) Appendix B, Section II.F of the Planning Guide.

II. Physical and Demographic Analysis utilizing written description and mapping (All items listed below require MAPS, and all maps should show all current lots and structures and be of appropriate scale to clearly show significant information).

A. Identification of planning area(s), municipal boundaries, Sewer Authority/Management Agency service area boundaries. (Reference-Title 25, §71.21.a.1.i).

B. Identification of physical characteristics (streams, lakes, impoundments, natural conveyance, channels, drainage basins in the planning area). (Reference-Title 25, §71.21.a.1.ii).

C. Soils - Analysis with description by soil type and soils mapping. Show areas suitable for in-ground on-lot systems, elevated sand mounds, individual residential spray irrigation systems, and areas unsuitable for soil dependent systems. (Reference-Title 25 §71.21.a.1.iii). Show Prime Agricultural Soils and any locally protected agricultural soils (Reference-Title 25, §71.21.a.1.iii).

2-15
Exhibits II, X, XIII

2-16
Exhibit III

2-16
Exhibit IV

2-22
Exhibit VI

- D. Geologic Features - (1) Identification through analysis, (2) mapping and (3) their relation to existing or potential nitrate-nitrogen pollution and drinking water sources. Include areas where existing nitrate-nitrogen levels are in excess of 5 mg/l. (Reference-Title 25, §71.21.a.1.iii).

2-23

- E. Topography - Depict slopes that are suitable for conventional systems; slopes that are suitable for elevated sand mounds; slopes that are unsuitable for on-lot systems. (Reference-Title 25, §71.21.a.1.ii).

2-23

- F. Potable Water Supplies - Identification through mapping, description and analysis to include available public water supply capacity and aquifer yield for groundwater supplies. (Reference-Title 25 §71.21.a.1.vi) Section V.C. of the Planning Guide.

2-24
Exhibit III

- G. Wetlands-Identify wetlands as defined in Title 25, Chapter 105 by description, analysis and mapping. Include National Wetland Inventory mapping and potential wetland areas per USDA, SCS mapped hydric soils. Proposed collection, conveyance and treatment facilities and lines must be located and labeled, along with the identified wetlands, on the map. (Reference-Title 25, §71.21.a.1.v) Appendix B, Section II.I of the Planning Guide.

III. Existing Sewage Facilities in the Planning Area - Identifying the Existing Needs

- A. Identify, map and describe municipal and nonmunicipal, individual and community sewerage systems in the planning area including:

2-27

1. Location, size and ownership of treatment facilities, main intercepting lines, pumping stations and force mains including their size, capacity, point of discharge. Also include the name of the receiving stream, drainage basin, and the facility's effluent discharge requirements. (Reference-Title 25, §71.21.a.2.i.A)

2-27

2. A narrative and schematic diagram of the facility's basic treatment processes including the facility's NPDES permitted capacity, and the Clean Streams Law permit number. (Reference-Title 25, §71.21.a.2.i)

2-29

3. A description of problems with existing facilities (collection, conveyance and/or treatment), including existing or projected overload under Title 25, Chapter 94 (relating to municipal wasteload management) or violations of the NPDES permit, Clean Streams Law permit, or other permit, rule or regulation of the Department. (Reference-Title 25, §71.21.a.2.i.B)

2-30

4. Details of scheduled or in-progress upgrading or expansion of treatment facilities and the anticipated completion date of the improvements. Discuss any remaining reserve capacity and the policy concerning the allocation of reserve capacity. Also discuss the compatibility of the rate of growth to existing and proposed wastewater treatment facilities. (Reference-Title 25, §71.21.a.4.i & ii)

2-27

5. A detailed description of operation and maintenance requirements of the municipality for on-lot systems and the status of past and present compliance with these requirements and any other requirements relating to sewage management programs. (Reference-Title 25, §71.21.a.2.i.C)

2-27

6. Disposal areas, if other than stream discharge, and any applicable groundwater limitations. (Reference-Title 25, §71.21.a.4.i & ii)

B. Using DEP's manual titled "Sewage Disposal Needs Identification Guidance," identify, map and describe areas that utilize individual and community on-lot sewage disposal and, unpermitted collection and disposal systems ("wildcat" sewers, borehole disposal, etc.) and retaining tank systems in the planning area including:

1. The types of systems in use. (Reference-Title 25, §71.21.a.2.ii.A).
2. A sanitary survey complete with a description of documented and potential public health pollution, and operational problems (including malfunctioning systems) with the systems, including violations of local ordinances, the Sewage Facilities Act, the Clean Stream Law or regulations promulgated thereunder. (Reference-Title 25, §71.21.a.2.ii.B).
3. A comparison of the types of on-lot sewage systems installed in an area with the types of systems which are appropriate for the area according to soil, geologic conditions, topographic limitations sewage flows, and Title 25 Chapter 73 (relating to standards for sewage disposal facilities). (Reference-Title 25, §71.21.a.2.ii.C).
4. An individual water supply survey to identify possible contamination by malfunctioning on-lot sewage disposal systems consistent with the DEP Sewage Disposal Needs Identification Guidance manual. (Reference-Title 25 §71.21.a.2.ii.B)

C. Identify wastewater sludge and septage generation, transport, and disposal methods. Include this information in the sewage facilities alternative analysis including:

1. Location of sources of wastewater sludge or septage (Septic tanks, holding tanks, wastewater treatment facilities). (Reference-Title 25 §71.71)
2. Quantities of the types of sludges or septage generated. (Reference-Title 25 §71.71).
3. Present disposal methods, locations, capacities, and transportation methods. (Reference-Title 25 §71.71).

IV. Future Growth and Land Development

A. Delineate and describe the following through map, text and analysis:

1. Areas with existing development or plotted subdivisions. Include the name, location, description, total number of EDU's in development, total number of EDU's currently developed, and total number of EDUs remaining to be developed (include time schedule for EDU's remaining to be developed). (Reference-Title 25, §71.21.a.3.i).
2. Land use designations established under the Pennsylvania Municipalities Planning Code (35 P.S. 10101-11202), including residential, commercial and industrial areas. (Reference-Title 25, §71.21.a.3.ii). Include a comparison of proposed land use as allowed by zoning and existing sewage facility planning (Reference-Title 25, §71.21.a.3.iv).
3. Future growth areas with population and EDU projections for these areas using historical, current and future population figures and projections of the municipality. Discuss and evaluate discrepancies between local, county, state and federal projections as they relate to sewage facilities. (Reference-Title 25, §71.21.a.1.iv). (Reference-Title 25, §71.21.a.3.iii).
4. Zoning, and/or subdivision regulations; local, county or regional omprehensive plans

and existing plans of a Commonwealth agency relating to the development, use and protection of land and water resources with special attention to: (Reference-Title 25, §71.21.a.3.iv)

- public ground/surface water supplies
- recreational water use areas
- groundwater recharge areas
- industrial water use
- wetlands

2-43

5. Sewage planning to provide adequate wastewater treatment for the municipality. This planning must be related to both the five and ten year future planning periods and be based on growth impacts on existing and proposed wastewater collection and treatment facilities. (Reference-Title 25, §71.21.a.3.v)

V. Identify Alternatives to Provide New or Improved Wastewater Disposal Facilities

A. Conventional collection, conveyance, treatment, and discharge alternatives including:

1. The potential for regional wastewater treatment. (Reference-Title 25, §71.21.a.4).
2. The potential for extension of existing municipal or non-municipal sewage facilities to areas in need of new or improved sewage facilities. (Reference-Title 25, §71.21.a.4.i)
3. The potential for the continued use of existing municipal or non-municipal sewage facilities through one or more of the following: (Reference-Title 25, §71.21.a.4.ii).
 - a. Repair. (Reference-Title 25, §71.21.a.4.ii.A)
 - b. Upgrading. (Reference-Title 25, §71.21.a.4.ii.B)
 - c. Reduction of hydraulic or organic loading to existing facilities. (Reference-Title 25, §71.71)
 - d. Improved operation and maintenance. (Reference-Title 25, §71.21.a.4.ii.C)
 - e. Other applicable actions that will resolve or abate the identified problem. (Reference-Title 25, §71.21.a.4.ii.D)
4. The need for construction of new community sewage systems including sewer systems and/or treatment facilities. (Reference-Title 25, §71.21.a.4.iii).
5. Repair or replacement of collection and conveyance system components. (Reference-Title 25, §71.21.a.4.ii.A).
6. Use of innovative/alternative methods of collection/conveyance to serve needs using existing wastewater treatment facilities. (Reference-Title 25, §71.21.a.4.ii.B)

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B. The use of individual sewage disposal systems including individual residential spray irrigation systems based on:

1. Soil and slope suitability. (Reference-Title 25, 71.21.a.2.ii.C)
2. Preliminary hydrogeologic evaluation. (Reference-Title 25, §71.21.a.2.ii.C)
3. The establishment of a sewage management program. (Reference-Title 25, §71.21.a.4.iv). See also Part "F" below.
4. The repair, replacement or upgrading of existing malfunctioning systems in areas suitable for on-lot disposal considering: (Reference-Title 25, §71.21.a.4).
 - a. Existing technology and sizing requirements of Title 25 Chapter 73. (Reference-Title 25, §73.31-73.72).
 - b. Use of expanded absorption areas or alternating absorption areas. (Reference-Title 25, §73.16).
 - c. Use of water conservation devices. (Reference-Title 25, §71.73.b.2.iii).

C. The use of small flow sewage treatment facilities or package treatment facilities to serve individual homes or clusters of homes based on: (Reference-Title 25, §71.64.d).

1. Treatment and discharge requirements. (Reference-Title 25, §71.64.d).
2. Soil suitability. (Reference-Title 25, §71.64.c.i).
3. Preliminary hydrogeologic evaluation. (Reference-Title 25, §71.64.c.2).
4. Agency or other controls over operation and maintenance requirements. (Reference-Title 25, §71.64.d). See Part "F" below.

D. The use of community land disposal alternatives including:

1. Soil and site suitability. (Reference-Title 25, 71.21.a.2.ii.C)
2. Preliminary hydrogeologic evaluation. (Reference-Title 25, 71.21.a.2.ii.C)
3. Controls over operation and maintenance requirements through a Sewag Management Program (Reference-Title 25, 71.21.a.2.ii.C). See Part "F" below.
4. The rehabilitation or replacement of existing malfunctioning community land disposal systems. (See Part V, B, 4, a, b, c above). See also Part "F" below.

Exhibit V

Exhibits VII

IX

3-3

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3-5

N/A

E. The use of retaining tank alternatives on a temporary or permanent basis including: (Reference- Title 25, §71.21.a.4).

- | | |
|------------|--|
| <u>3-6</u> | 1. Commercial, residential and industrial use. (Reference-Title 25, §71.63.e). |
| <u>3-6</u> | 2. Designated conveyance facilities (pumper trucks). (Reference-Title 25, §71.63.b.2). |
| <u>3-6</u> | 3. Designated treatment facilities or disposal site. (Reference-Title 25, 71.63.b.2). |
| <u>3-6</u> | 4. Implementation of a retaining tank ordinance by the municipality. (Reference-Title 25, §71.63.b.2). See Part "F" below |
| <u>3-6</u> | 5. Financial guarantees when retaining tanks are used as an interim sewage disposal measure.(Reference-Title 25, §71.63.c.2). |

F. Sewage management programs to assure the future operation and maintenance of existing and proposed sewage facilities through:

- | | |
|------------|--|
| <u>3-6</u> | 1. Municipal ownership or control over the operation and maintenance of individual on-lot sewage disposal systems, small flow treatment facilities, or other traditionally non-municipal treatment facilities. (Reference-Title 25, §71.21.a.4.iv) |
| <u>3-7</u> | 2. Required inspection of sewage disposal systems on a schedule established by the municipality. (Reference-Title 25, §71.73.b.1.) |
| <u>3-7</u> | 3. Required maintenance of sewage disposal systems including septic and aerobic treatment tanks and other system components on a schedule established by the municipality. (Reference-Title 25, §71.73.b.2) |
| <u>3-8</u> | 4. Repair, replacement or upgrading of malfunctioning on-lot sewage systems. (Reference-Title 25, §71.21.a.4.iv) through:
a. Aggressive pro-active enforcement of ordinances which require operation and maintenance and prohibit malfunctioning systems. (Reference-Title 25, §71.73.b.5)
b. Public education programs to encourage proper operation and maintenance and repair of sewage disposal systems. |
| <u>3-8</u> | 5. Establishment of joint municipal sewage management programs. (Reference-Title 25, §71.73.b.8) |
| <u>3-8</u> | 6. Requirements for bonding, escrow accounts, management agencies or associations to assure operation and maintenance for non-municipal facilities. (Reference-Title 25, §71.71) |

G. Non-structural comprehensive planning alternatives that can be undertaken to assist in meeting existing and future sewage disposal needs including: (Reference-Title 25, §71.21.a.4)

1. Modification of existing comprehensive plans involving:

- a. Land use designations. (Reference-Title 25, §71.21.a.4)
- b. Densities. (Reference-Title 25, §71.21.a.4)
- c. Municipal ordinances and regulations. (Reference-Title 25, §71.21.a.4)
- d. Improved enforcement. (Reference-Title 25, §71.21.a.4)
- e. Protection of drinking water sources. (Reference-Title 25, §71.21.a.4)

2. Consideration of a local comprehensive plan to assist in producing sound economic and consistent land development. (Reference-Title 25, §71.21.a.4)

3. Alternatives for creating or changing municipal subdivision regulations to assure long-term use of on-site sewage disposal which consider lot sizes and protection of replacement areas. (Reference-Title 25, §71.21.a.4)

4. Evaluation of existing local agency programs and the need for technical or administrative training. (Reference-Title 25, §71.21.a.4)

H. A no-action alternative which includes discussion of both short-term and long-term impacts on: (Reference-Title 25, §71.21.a.4).

- 1. Water Quality/Public Health. (Reference-Title 25, §71.21.a.4).
- 2. Growth potential (residential, commercial, industrial). (Reference-Title 25, §71.21.a.4).
- 3. Community economic conditions. (Reference-Title 25, §71.21.a.4)
- 4. Recreational opportunities. (Reference-Title 25, §71.21.a.4)
- 5. Drinking water sources. (Reference-Title 25, §71.21.a.4)
- 6. Other environmental concerns. (Reference-Title 25, §71.21.a.4)

VI. Evaluation of Alternatives

A. Technically feasible alternatives identified in Section V of this check-list must be evaluated for consistency with respect to the following: (Reference-Title 25, §71.21.a.5.i.A)

- 1. Applicable plans developed and approved under Sections 4 and 5 of the Clean Streams Law or Section 208 of the Clean Water Act (33 U.S.C.A. 1288). (Reference-Title 25, §71.21.a.5.i.A) Appendix B, Section II.A of the Planning Guide.

DEP
Use
Only

Plan
Page No.

Item Required

3-13

2. Municipal wasteload management plans developed under PA Code, Title 25, Chapter 94. Reference-Title 25, §71.21.a.5.i.B) The municipality's recent Wasteload Management (Chapter 94) Reports should be examined to determine if the proposed alternative is consistent with the recommendations and findings of the report. Appendix B, Section II.B of the Planning Guide.

3-13

3. Plans developed under Title II of the Clean Water Act (33 U.S.C.A. 1281-1299) or Title II and Titles II and VI of the Water Quality Act of 1987 (33 U.S.C.A 1251-1376). (Reference-Title 25, §71.21.a.5.i.C) Appendix B, Section II.E of the Planning Guide.

3-13

4. Comprehensive plans developed under the Pennsylvania Municipalities Planning Code. (Reference-Title 25, §71.21.a.5.i.D) The municipality's comprehensive plan must be examined to assure that the proposed wastewater disposal alternative is consistent with land use and all other requirements stated in the comprehensive plan. Appendix B, Section II.D of the Planning Guide.

3-14

5. Antidegradation requirements as contained in PA Code, Title 25, Chapters 93, 95 and 102 (relating to water quality standards, wastewater treatment requirements and erosion control) and the Clean Water Act. (Reference-Title 25, §71.21.a.5.i.E) Appendix B, Section II.F of the Planning Guide.

3-14

6. State Water Plans developed under the Water Resources Planning Act (42 U.S.C.A. 1962-1962 d-18). (Reference-Title 25, §71.21.a.5.i.F) Appendix B, Section II.C of the Planning Guide.

3-14

7. Pennsylvania Prime Agricultural Land Policy contained in Title 4 of the Pennsylvania Code, Chapter 7, Subchapter W. Provide narrative on local municipal policy and an overlay map on prime agricultural soils. (Reference-Title 25, §71.21.a.5.i.G) Appendix B Section II.G of the Planning Guide.

3-15

8. County Stormwater Management Plans approved by the Department under the Storm Water Management Act (32 P.S. 680.1-680.17). (Reference-Title 25, §71.21.a.5.i.H) Conflicts created by the implementation of the proposed wastewater alternative and the existing recommendations for the management of stormwater in the County Stormwater Management Plan must be evaluated and mitigated. If no plan exists, no conflict exists. Appendix B, Section II.H of the Planning Guide.

3-15

9. Using wetland mapping developed under Section II.A.7, identify and discuss mitigative measures including the need to obtain permits for any encroachments on wetlands from the construction or operation of any proposed wastewater facilities. Appendix B, Section II.I of the Planning Guide.

3-15

10. Protection of rare, endangered or threatened plant and animal species as identified by the Pennsylvania Natural Diversity Inventory (PNDI). (Reference-Title 25, §71.21.a.5.i.J) Provide the Department with a copy of the completed Request For PNDI Search document. Also provide a copy of the response letter from the Department of Conservation and Natural Resources' Bureau of Forestry regarding the findings of the PNDI search. Appendix B, II.J.

DEP Use Only	Plan Page No.	Item Required
<hr/>	<u>3-16</u>	11. Historical and archaeological resource protection under P.C.S. Title 37, Section 507 relating to cooperation by public officials with the Pennsylvania Historical and Museum Commission. (Reference-Title 25, §71.21.a.5.i.K) Provide the Department with a completed copy of a Cultural Resource Notice request to the Bureau of Historic Preservation (BHP) to provide a listing of known historical sites and potential impacts on known archaeological and historical sites. <u>Also provide a copy of the response letter from the BHP.</u> Appendix B, Section II.K of the Planning Guide.
<hr/>	<u>3-16</u>	B. Provide for the resolution of any inconsistencies in any of the points identified in Section VI.A. of this checklist by submitting a letter from the appropriate agency stating that the agency has received, reviewed, and concurred with the resolution of identified inconsistencies. (Reference-Title 25, §71.21.a.5.ii) Appendix B of the Planning Guide.
<hr/>	<u>3-16</u>	C. Evaluate alternatives identified in Section V of this checklist with respect to applicable water quality standards, effluent limitations or other technical, legislative or legal requirements. (Reference-Title 25, §71.21.a.5.iii).
<hr/>	<u>3-17</u>	D. Provide cost estimates using present worth analysis for construction, financing, on going administration, operation and maintenance and user fees for alternatives identified in Section V of this checklist. Estimates shall be limited to areas identified in the plan as needing improved sewage facilities within five (5) years from the date of plan submission. (Reference-Title 25, §71.21.a.5.iv).
<hr/>	<u>3-22</u>	E. Provide an analysis of the funding methods available to finance the proposed alternatives evaluated in Section V of this checklist. Also provide documentation to demonstrate which alternative and financing scheme combination is the most cost-effective; and a contingency financial plan to be used if the preferred method of financing cannot be implemented. The funding analysis shall be limited to areas identified in the plan as needing improved sewage facilities within five years from the date of the plan submission. (Reference-Title 25, §71.21.a.5.v).
<hr/>	<u>3-30</u>	F. Analyze the need for immediate or phased implementation of each alternative proposed in Section V of this checklist including: (Reference-Title 25, §71.21.a.5.vi).
<hr/>	<u>3-30</u>	1. A description of any activities necessary to abate critical public health hazards pending completion of sewage facilities or implementation of sewage management programs. (Reference-Title 25, §71.21.a.5.vi.A)
<hr/>	<u>3-30</u>	2. A description of the advantages, if any, in phasing construction of the facilities or implementation of a sewage management program justifying time schedules for each phase. (Reference-Title 25, §71.21.a.5.vi.B)
<hr/>	<u>3-30</u>	G. Evaluate administrative organizations and legal authority necessary for Plan implementation. (Reference - Title 25, §71.21.a.5.vi.D.)

VII. Institutional Evaluation

A. Provide an analysis of all existing wastewater treatment authorities, their past actions and present performance including:

- _____ 3-30
- _____ 3-31
- _____ 3-31
- _____ 3-31
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- _____ 3-31
- _____ 3-31
- _____ 3-31
1. Financial and debt status. (Reference-Title 25, §71.61.d.2)
 2. Available staff and administrative resources. (Reference-Title 25, §71.61.d.2)
 3. Existing legal authority to:
 - a. Implement wastewater planning recommendations. (Reference-Title 25, §71.61.d.2)
 - b. Implement system-wide operation and maintenance activities. (Reference-Title 25, §71.61.d.2)
 - c. Set user fees and take purchasing actions. (Reference-Title 25, §71.61.d.2)
 - d. Take enforcement actions against ordinance violators. (Reference-Title 25, §71.61.d.2)
 - e. Negotiate agreements with other parties. (Reference-Title 25, §71.61.d.2)
 - f. Raise capital for construction and operation and maintenance of facilities. (Reference-Title 25, §71.61.d.2)

B. Provide an analysis and description of the various institutional alternatives necessary to implement the proposed technical alternatives including:

- _____ 3-31
- _____ 3-31
- _____ 3-31
1. Need for new municipal departments or municipal authorities. (Reference-Title 25, §71.61.d.2)
 2. Functions of existing and proposed organizations (sewer authorities, on-lot maintenance agencies, etc.). (Reference-Title 25, §71.61.d.2)
 3. Cost of administration, implementability, and the capability of the authority/agency to react to future needs. (Reference-Title 25, §71.61.d.2)

C. Describe all necessary administrative and legal activities to be completed and adopted to ensure the implementation of the recommended alternative including:

- _____ 3-31
- _____ 3-31
- _____ 3-31
- _____ 3-31
- _____ 3-31
- _____ 3-31
1. Incorporation of authorities or agencies. (Reference-Title 25, §71.61.d.2)
 2. Development of all required ordinances, regulations, standards, and inter-municipal agreements. (Reference-Title 25, §71.61.d.2)
 3. Description of activities to provide rights-of-way, easements, and land transfers. (Reference-Title 25, §71.61.d.2)
 4. Adoption of other municipal sewage facilities plans. (Reference-Title 25, §71.61.d.2)
 5. Any other legal documents. (Reference-Title 25, §71.61.d.2)
 6. Dates or timeframes for items 1-5 above on the project's implementation schedule.

3-31

- D. Identify the chosen institutional alternative for implementing the chosen technical wastewater disposal alternative. Provide justification for choosing the specific institutional alternative considering administrative issues, organizational needs and enabling legal authority. (Reference-Title 25, §71.61.d.2)

VIII. Justification for Selected Technical & Institutional Alternatives

- A. Identify the technical wastewater disposal alternative which best meets the wastewater treatment needs of each study area of the municipality. Justify the choice by providing documentation which shows that it is the best alternative based on:

3-32

1. Existing wastewater disposal needs. (Reference-Title 25, §71.21.a.6)

3-32

2. Future wastewater disposal needs. (5 and 10 years growth areas). (Reference-Title 25, §71.21.a.6)

3-32

3. Operation and maintenance considerations. (Reference-Title 25, §71.21.a.6)

3-32

4. Cost-effectiveness. (Reference-Title 25, §71.21.a.6)

3-32

5. Available management and administrative systems. (Reference-Title 25, §71.21.a.6)

3-32

6. Available financing methods. (Reference-Title 25, §71.21.a.6)

3-32

7. Environmental soundness and compliance with natural resource planning and preservation programs. (Reference-Title 25, §71.21.a.6)

3-32

- B. Designate and describe the capital financing plan chosen to implement the selected alternative(s). Designate and describe the chosen back-up financing plan.