

**Application of SUEZ Water Pennsylvania Inc. for the Acquisition of the Wastewater Assets
of the Township of Mahoning Pursuant to 66 Pa. C.S. §1329
Application Filing Checklist – Wastewater
Docket No. A-2018-_____**

22. Other requirements. Demonstrate compliance with the following:
- a. For **wastewater** system acquisitions, demonstrate compliance with the DEP-approved Act 537 Official Sewage Facilities Plans for the affected municipalities (including the extent of the requested service territory).

RESPONSE:

- a. See enclosed correspondence (and attachments) from Township Engineer.



Larson Design Group®

June 28, 2018

Mr. John Hollenbach, President
SUEZ Water Pennsylvania, Inc.
4211 East Park Circle
Harrisburg, PA 17111

Re: Pa PUC Docket No. A-2018-
Mahoning Township Public Utility Commission
Act 537 Sewage Facility Planning Implementation Status

Dear

Larson Design Group (LDG) is the retained engineer for Mahoning Township, Montour County, Pennsylvania. The Township has entered into an agreement with SUEZ for the sale of Township's water and sewer assets. Sale of the assets to a privately held company must be approved by the Pennsylvania Public Utility Commission. One of the items to be included in the application is a statement from the municipality's consulting engineer concerning the status of the Township's Act 537 Sewage Facility Plan.

In 1980, to comply with Act 537, the Montour County Planning Commission authorized a study entitled, Montour County Sewer and Water Plan – 1980. The plan was completed by L. Robert Kimble, Consulting Engineers and Planners and is an update to a plan completed in 1972. The 1980 Plan recommended that Mahoning Township continue to serve residential, commercial and institutional wastewater needs in the portion of the Township located on the east side of Danville Borough by extending public sanitary sewers. Wastewater would continue to be conveyed to the Borough of Danville Wastewater Treatment Plant for treatment. Future development should be served by extending existing sanitary sewers. A copy of the 1980 Plan is included with this letter. The 1980 Plan was implemented and continues to serve as Mahoning Township's official sewage facility plan.

In January 2006 the Township's Act 537 Plan was amended by the completion and approval of a Component 3M Sewage Facilities Planning Module for Minor Act 537 Update Revision. This amendment was for the extension of sanitary sewers in the Red Lane and Railroad Street area of the Township. In addition, sanitary sewers were extended along Bloom Road to the Frosty Valley Country Club. Construction of the recommended sewage facilities was completed in March of 2009. A copy of the Component 3m is provided as an attachment to this letter.

To the best of my knowledge and belief, the Township is in compliance with the current Act 537 Plan. However, the Pennsylvania Department of Environmental Protection (DEP) is requiring the Township to update its Act 537 Sewage Facilities Plan due to the proposed sale of the wastewater facilities. The plan update is currently underway. We anticipate receiving DEP final approval of the plan update in December 2018 or January 2019.

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If you have any questions, please feel free to contact me at LDG's Williamsport office at (570) 651-1546 or via dwalters@larsondesigngroup.com.

Sincerely,

LARSON DESIGN GROUP

David D. Walters, P.E.
Senior Project Manager

cc: Mahoning Township
File 5229-011(02)

DDW

enclosures

MONTOUR COUNTY SEWER AND WATER PLAN - 1980

Prepared For

**MONTOUR COUNTY PLANNING COMMISSION
COURT HOUSE
DANVILLE, PENNSYLVANIA**

Prepared by

**L. ROBERT KIMBALL
CONSULTING ENGINEERS & PLANNERS
202 ROSEMONT DRIVE
CORAOPOLIS, PENNSYLVANIA**

SEPTEMBER 1974

The preparation of this report was financed in part through an Urban Planning Grant from the Department of Housing and Urban Development under the provisions of Section 701 of the Housing Act of 1954, as amended, and as administered by the Bureau of Planning, Pennsylvania Department of Community Affairs.

Columbia-Montour Joint Planning Commission

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Columbia-Montour Joint Planning Commission

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Montour County Sewer and Water Plan - 1980

INTRODUCTION

This report has been authorized by the Montour County Planning Commission and will focus upon activities concerned with sewer and water facilities which have occurred since the Addendum No. 1, dated November, 1972, to the original 1968 Sewer & Water Plan. Like the preceding plan and addendum, this report deals with progress made in the construction of facilities since 1972, the joint sharing of facilities and recommendations for future sewer and water facilities, extension of services and administrative organization. It also identifies sources of funding and estimates costs in any recommendations which are made. The status of feasibility studies being underway or completed and preliminary or final design for sewer and water facilities is also covered in this report. New Federal and State legislation appropriate to this report, such as infiltration/inflow, and alternate on-lot systems is explained.

The method by which DER and EPA establish fiscal priorities is also described.

Another section of the report deals with an inventory of storm sewer facilities, both manmade and natural.

Purpose of the Report

The primary purpose of the report is to satisfy the planning requirements of Act 537, for the appropriate municipalities in Montour County.

Another purpose of the report is to inform the Montour County Planning Commission of all developments which have occurred since

the 1972 Addendum and to provide them with recommendations and guidelines for the analysis and approval of various plans for sewer and water service districts throughout the county. It will also serve as a guide to locate problem areas where on lot septic tanks are malfunctioning or where pollution to the drinking water supply is occurring, or where these activities are likely to occur. In some instances it recommends definite solutions, in other areas a feasibility study to be initiated by the local municipality, and in other areas the deletion of several small rural villages which were identified as community service areas. It also recommends a new method of sewage inspection service to be initiated by Montour County, which would replace the various localized sewage enforcement officers throughout the county. The plan should also serve as a basis for zoning and subdivision approvals.

Sources of Data

Data used in this report was gathered from interviews with municipal elected officials, appointed officials to sewer and water authorities, township and borough secretaries, the Montour County Planning Commission staff, consulting engineers to the various municipalities, personnel from the Pennsylvania Department of Environmental Resources, the U.S. Soil Conservation Service, the Soil Conservation District and zoning officers and sewage enforcement permit officers. A note of thanks is due to these people for their contribution to information contained here. Various engineering feasibility studies and prints of facilities which have been designed were also collected and given to the Planning Commission staff for their current records of existing and proposed facilities within

the county, as part of the "open file" method of updating the 1968 Plan and 1972 Addendum. A countywide land use survey was made by the Consultant to monitor new development throughout the County, and local and County records were checked.

The Montour County Comprehensive Plan and the requirements of the County Subdivision and Land Development Ordinance and Zoning Ordinance were also analyzed prior to recommendations being made. Local comprehensive plans prepared for various municipalities under the HUD 701 program were also utilized.

The application of sound planning and engineering principles in the design of proposed and existing sewer and water facilities by various consulting engineers was also maintained.

Summary of the Report

The progress made by various Montour County municipalities in planning and construction of facilities for water pollution control and the alleviation of health hazards, which were recommended under the "immediate needs" (3 to 5 year) section of the 1972 Addendum included many of the recommendations previously made.

The Borough of Danville upgraded their sewage treatment plant to secondary treatment. The Borough of Washingtonville installed a sanitary sewage collection system and treatment plant. They did not advance on plans for a water system. The Borough of Danville let a contract to construct new facilities for their water intake and water storage capacity. A private development corporation constructed a package treatment plant and collection system for the commercial facilities at the Mausdale Interchange of Interstate 80 in Valley Township. Mahoning Township continued to expand their sanitary sewage service area and water lines into new development areas.

However, no engineering feasibility studies were undertaken as recommended in the 1972 Addendum for the villages of Mooresburg, Limestoneville, Exchange and Whitehall. This is due to the fact that no substantial land use changes or physical development, or population increases occurred which would make such feasibility studies likely of implementation. This is not to say that any previously identified sources of water pollution were corrected. It is rather a continuation of the existing status quo.

Also, the Farmers Home Administration's program of grants, under which these smaller systems previously would have been constructed, became loan programs, making implementation economically infeasible.

Danville Borough Municipal Authority Sanitary Sewage System

The Borough of Danville has sewage collection service in almost the entire developed portion of the Borough. On the westerly end of town the collection line stops at the intersection of Montour Street and Northumberland Street (U.S. Route 11). However, there is little or no development to the west of that section. Two houses on the western end of Front Street are not in the system. It also stops at the intersection of Market Street and Park Avenue, approximately 12" below the ground level. New lines will be constructed in the urban renewal area.

Treatment service is provided to Mahoning Township and the Borough of Riverside. The State Hospital also uses the Danville Sewage Treatment Plant.

The Danville Sewage Treatment Plant was upgraded to secondary treatment since the 1972 Addendum. It has a total design capacity of 3.2 million gallons per day and plans to provide .250 million gpd for the Borough of Riverside and 2.970 million gpd for Danville and others, namely Mahoning Township. Total design capacity is 3.220 million gpd. The latest available records show that the plant is operating at approximately 39% of capacity in the latest six-month period prior to this report.

Mahoning Township is not metered and pays per unit which uses the Danville Treatment Plant. They currently have 553 units and are charged \$71.25 per year per unit or \$39,401.25 annually for treatment. Included in this charge is a pro-rated share of operating costs and amortization. The Township collects the tap-in fee for themselves and constructs the lines. The Borough Municipal Authority did construct one line, for approximately \$1,600.00 for the Township's use.

During the most recent six-month period, the Borough and Mahoning Township contributed an average of 1,788,850 gpd and Riverside contributed an average of 170,327 gpd for a total of 1,959,177 gpd. Subtracting this from the design capacity of 3,220,000, this leaves an average unused treatment capacity of 1,260,823 gpd which should be sufficient to treat additional development in Mahoning Township for quite some time based on the use of 100 gpd per person. This would indicate an additional 12,608 persons could be served by the existing capacity of the Danville Treatment Plant, if no additional users were to come in from Riverside Borough or elsewhere. It also indicates that the 553 units in Mahoning Township, using the average of 100 gpd, were contributing 55,300 gpd of the 1,788,850 gpd. This would mean the Danville is contributing the balance of 1,733,550 gpd.

The State Hospital also uses the Danville Municipal Authority plant. They are unmetered and pay an annual rate based on the percent of extending a main line to the Hospital, a percent of the annual operating costs, and a percent of annual amortization costs, with a complex formula computed by their auditors and the Authority auditors. It runs one year behind, to be based on actual uses, and has been computed as follows:

Fiscal Year Ended July 1974	- \$90,000
1973	- 77,000
1972	- 68,000
1971	- 66,000

Based on the use of 100 gpd per person, and a population of 2,000, the average gpd contribution would be 200,000 gallons. The number of patients has been stable over the past ten years, and a constant figure of 1,837 is expected to continue.

Danville Municipal Authority - Water System

The Authority has awarded construction contracts for a new water intake system designed for 4 million gpd, and capable of producing 6 million gpd. It is located on a 4 acre site, formerly owned by the State Hospital, along the Susquehanna River. This system will include two 1.5 million gallon capacity storage tanks to the northwest of the Borough. A twenty inch transmission main will be constructed connecting the intake plant and the storage tanks. The existing water intake system will be abandoned since it was badly damaged during the Agnes Flood.

Water service currently exists throughout the Borough. There is a standby facility to provide water to Mahoning Township in an emergency, however, pressure is insufficient to serve the Township beyond Jade Street. The Township pays a \$1,300 fee annually for this standby service.

Pressure at the plant is 125 pounds per square inch and 40 pounds per square inch in the Danville central business district.

Quantity allocation is 2 million gpd for the Borough, and .500 million gpd for the State Hospital. Mahoning Township has been allocated 1 million gpd. Excess capacity will be .500 million gpd.

Riverside does not receive water from Danville, and has no municipal water at this time. The line to the Merck plant is not adequate to serve the Borough, and is no longer used by Merck.

The latest report filed with the State indicated 22 commercial, 5 industrial, 6 public, 1 "other" (Mahoning Township) for a total of 34 metered customers. There are 2,034 unmetered customers. The total of 2,068 compares with 1,878 customers in 1968.

Average 1973 daily usage was 1,913,000 gallons, compared with 1,926,671 gallons per day in 1968.

Mahoning Township Municipal Authority - Sewage Facilities

Since the 1972 Addendum the Mahoning Township Municipal Authority constructed a 12" relief sewer between Villa Street and Blizzard Run from the vicinity of the Township Municipal Building to the existing Danville sewer line to provide for over-capacity. They also provide an 8" line for the Geisinger Clinic with the agreement that the Geisinger Clinic must extend from Bloom Street to the existing 12" line if additional volume of sewage builds up.

The Mahoning Township municipal sewer system consists of a collection system in the urbanized portion of the Township, largely the area around Bloom Street (Old Route 11), the older section of the Township which is contiguous to the east of Danville, and the new developing area between Bloom Street and Red Lane, L.R. 47040. The sewage is treated at the Danville Municipal Authority Plant, where they are charged \$71.25 per year per unit. There are currently 553 units in their entire system.

The private developers are required to provide connecting collection lines to the township existing lines. The Crestwood II addition of 40 lots, to the north of Elm Street and to the west of Kingsley Street was approved in 1974 and will have the full range of utilities. The Grandview Plan was also approved in 1974 and will have 30 lots, nearly contiguous to the Crestwood II Plan. Montgomery Village was approved for 76 units of townhouses, at the intersection of Bloom Street and Poor House Road. It has requested an additional 24 units since initial approval.

Extensions have been designed to extend the collection lines to Diehl Avenue, Lindberg Avenue and Byrd Avenue, by extending the Bloom Street interceptor line, in the east of the township.

With the ample excess sewage treatment capacity in the Danville Municipal Authority plant, the construction of a separate treatment plant is not warranted. Mahoning Township should continue with the present system of requiring the extending of existing collection lines by developers. When economically feasible, the collection lines should be extended to the Red Oak Circle area, as development expands in that direction.

Mahoning Township Municipal Authority
Water Facilities

The Mahoning Township Municipal Authority has a water system consisting of two wells, a 300,000 gallon storage tank and various distribution lines. Well No. 4, located to the north of Red Lane Road, at an approximate elevation of 680 feet is capable of producing 72,000 gpd. Well No. 6 is located south of the intersection of Kaseville Road and Bloom Street and has a capacity of producing 360,000 gpd. There is a 300,000 gallon storage tank at elevation 920 feet near the previously mentioned well No. 4, which is constantly refilled from well No. 6.

There are approximately 450 water connections in Mahoning Township. As new development is added, the developers are required to provide the water line extension to the existing municipal water lines, where possible. Service has not yet been extended to the Red Oak Road area, however, with the filling in of development in the Crestwood Estates Plan, extending the service becomes more feasible. The Red Oak Road area is a large lot development area with few lots, and will require a relatively short distance for the future water main for economic feasibility.

Again, only the urbanized and newly developing areas of the Township, to the east of the Borough of Danville are served by water. The westerly portion of the Township does not economically warrant water service at this time. The State Hospital and Geisinger Clinic are not users of the Mahoning Township water services, however, two nursing homes, Grandview and Gold Star, and the Pine Bar Inn and Motel have been added to the system.

A standby meter has been constructed by the Danville Municipal Authority and an annual fee of approximately \$1,200 is paid by the Mahoning Authority for this standby service. It is located to the west of Line Street and along Bloom Street in the Borough. This has been utilized only in time of emergency and the water pressure is not high enough to serve the entire township to the east of Jade Street.

There appears to be sufficient water capacity to serve the existing development and the currently approved developments, (consisting of approximately 100 lots), plus a 25% safety emergency factor. This is based on a present population of 2,722 people in 1970, which is projected to 3,087 by 1980. The combined capability of the existing two wells is 432,000 gpd. If the projected population of 3,087 (exclusive of the State Hospital) materializes then the average daily demand, at 100 gallons per person, would be approximately 308,700 gpd. Well No. 6 alone is capable of producing this amount, without utilizing intake of the well No. 4. This leaves a reserve capacity of 124,000 gpd, or approximately 28% for an excess capacity in case of emergency.

The above, however, is predicated upon ground water aquifer recharge occurring in sufficient amounts to enable well water production to continue to occur at this rate.

An independent consulting firm was contacted in 1968 when Mahoning Township experienced a temporary water crisis and had to truck water in from the Borough of Danville. They established new well locations and estimated the underground water table will continue to produce this amount of water for Mahoning Township. If the existing conditions remain the same, they will have a safety factor of 28%

as stated. If a drought occurs or for other reasons the recharge of the underground water table does not occur, then they will have to rely on other sources, presumably purchase of water from the Danville Municipal Authority. This would be an unsatisfactory situation under the present water intake system. It could be accomplished from the standpoint of pressure and quantity at the completion of construction of the new water intake system. This should require several years to complete from the date of this report.

The average use is 116,000 gpd and water usage ranges from 170,000 to 180,000 gpd in the summertime and lower than 116,000 in the winter.

The Municipal Authority plans to extend water lines to other areas of the township which are developed. They expressed interest in having another standby tank of 300,000 to 500,000 gallons capacity. They plan to extend service to the Red Lane area and the area east of Kaseville Road, when additional development warrants this.

Valley Township Sewage

A private development group, Maudale Interchange Developments, Inc., has constructed a 140,000 gallon per day treatment facility to the south of the interchange, and a collection system servicing various commercial interests in the area, principally the two motels, and three restaurants. A third motel will soon be added. Additional commercial will also utilize this facility. Approximately 50% of the capacity is being used at this time. Holiday Inn has their own treatment plant.

A feasibility study for sanitary sewage has been undertaken by Valley Township. This could lead to the formation of a Valley Township Municipal Authority and the dedication of the privately owned plant to the Township Municipal Authority and extension of the collection lines in the developable areas east and west of Route 54, along Route 642, and south of I-80.

Sewage Facilities - Washingtonville Borough

The Borough of Washingtonville has completed construction of a collection system and will shortly complete construction of a 90,000 gpd secondary sewage treatment plant. Initial estimated capacity is 67,500 gpd. The line has been extended to the vicinity of the mobile home park to the west of the Borough along Route 45, in Derry Township. Other areas of Derry Township can also be served as development occurs.

CONCLUSIONS

1. The major growth areas of the County, for residential subdivisions, are and will continue to be, Valley and Mahoning Townships.

Mahoning Township has their sewage and water situation properly administered, in requiring that new developments be provided with water distribution systems, sewage collection facilities, and storm water runoff facilities. The Geisinger Medical Clinic is the major employer in the County, with 1,700 employees. They project from 30 to 45 new jobs in their new Family Practice and Rehabilitation Center, in 1975. No further projections were available.

Valley Township has recently completed a comprehensive plan and will pass local land use ordinances. Additional commercial and residential development will occur near the Mausdale Interchange when public sewage and water are available.

The balance of the County will probably remain under the provisions of the County regulations for the intermediate future, and development will probably continue to be single-family homes in widely scattered locations. No significant population increase is projected through 1980, and no major shifts in employment are expected.

2. Sewage inspection services have been inadequate in the past, in terms of permits being issued for soils which were unsuitable and in the inspection and supervision of the installation of the facilities. As a result septic tank malfunctioning is occurring sporadically throughout the County, but not to the extent of causing an epidemic of disease.

3. Local officials are reluctant to discuss areas of septic tank malfunctions or well water pollution.
4. The villages which were identified as potential community service areas in the 1968 report have not changed materially in terms of physical development and population growth, including the areas of Whitehall, Exchange, Mooresburg and Limestoneville.
5. Approximately 150 homes per year have been constructed throughout the County, largely in Anthony, Derry, and Valley Townships, where the Montour County Zoning Ordinance is in effect. Mahoning Township has averaged another 12 to 15 units per year, for the past five years but has had 10 units approved in October, 1974 alone. An estimated 25 to 30 new units are expected annually in Mahoning, based on known developer interest and preliminary plot plans brought before the Zoning officer.

Recommendations for Montour County Sewer and Water Districts

A. Administration

1. A county-level sewage ordinance officer and inspection system should be established by the County Commissioners, by appointing a sewage committee, which, in turn, could negotiate agreements for various municipalities to utilize the county-level permit and inspection service to improve the efficiency and quality of local ordinance officers. The new DER certification requirement will facilitate this.

Adjacent counties currently are doing this successfully. The DER will pay 50% of most of the administrative costs. The County could provide overhead items such as office space, light and power, secretarial and equipment. Fees would be collected for each perc. test and inspection, and a pro-rated share be collected from participating municipalities based on number of inspections. The full time inspector (s) would raise the quality of service, provide uniformity, eliminate many political aspects, and assure overall record keeping.

2. A regional municipal authority should be considered for the administration of sewage and water in Danville, Mahoning Township and Valley Township, as well as providing service to the Borough of Riverside.

This situation is more timely for Mahoning Township due to the nature and extent of the current development pattern which is occurring contiguous to the Borough. The population is projected to increase from 2,722 in 1970 to 3,087 in 1980, exclusive of the State Hospital.

Valley Township has had limited development due to lack of public sewage facilities. However, it has a great potential. Population projection is from 1,251 in 1970 to 1,598 in 1980. With the elimination of a potential service area along Route 54, by the new highway, in Valley Township, the distance to provide a sewer interceptor line would be prohibitive. However, the new 1.5 million gallon water tanks are at elevation 700 +, and the developable areas of Valley Township lie at 500 + elevation. If the existing Mausdale sewage plant is expanded to serve the very developable land around Route 642 and I-80, it could become feasible to construct a water transmission main from the Danville water tanks to Valley Township, approximately 22,500 lineal feet, to the vicinity of the Mausdale Interchange. Likewise, if the underground water supply of Mahoning proves to be inadequate for future development demands, water could be provided by the Borough, since much of the developable area of Mahoning Township is also below the 700 feet elevation. If the area above 700 feet elevation is cleared of its woodlands and developed, a major storm sewer system will be necessary to avoid flooding.

B. Functional

1. A water feasibility study should be undertaken in depth in Valley Township to determine the availability of underground water and aquifer recharge prior to over-extension of development and a potential water shortage occurring.

2. The rural villages of Whitehall, Exchange, Limestoneville and Mooresburg should be carefully scrutinized to prevent development occurring where additional malfunctioning of on-site septic tanks would likely be the result. While not large enough to comprise sewage service or water service districts at this time, or to warrant engineering feasibility studies, future development could warrant this.
3. The formerly recommended service district along Route 54 between the Borough of Danville and Mausdale Interchange should be deleted, since the construction of a four-lane highway has eliminated many of the existing users and potential users in that area.
4. Linear subdivision development along roadways should be carefully monitored to prevent future malfunctioning of septic tanks. The new types of installation now permitted by DER should be encouraged to be installed by developers where appropriate.
5. A water system feasibility study should be undertaken by Washingtonville.
6. Valley Township should create a Municipal Authority and accept the dedication of the existing Mausdale sewage system, and plan to expand it into developing sections of the Township.

Official Sewage Plan for Montour County - 1980

1. Delineation of areas where because of public health and pollution factors sewage services are needed immediately, or within a five year period, 1975-1980:
 - A. Valley Township should form a municipal authority and accept the Mausdale sewage system, extend the collection lines to existing and proposed development, and expand the treatment plant, when economically feasible.
 - B. Valley Township should prepare an in-depth analysis of its ground water supply and aquifer recharge potential, and a water feasibility study for a municipal distribution system.
 - C. Washingtonville Borough should prepare a water system feasibility study.
 - D. Riverside should prepare a water system feasibility study.
2. Delineation of areas where because of public health and pollution factors sewage services are needed within a ten year period, 1980-1990:
 - A. A feasibility study to extend water from the Danville Municipal Authority storage tanks to Valley Township should be undertaken if projected population growth and commercial development materializes.
3. Locations, capacities, levels of treatment, identity of owners and operators, and a proposed implementation schedule for each project are not shown or described at this time due to the nature of the recommendations, being merely feasibility studies.

4. Areas which are not proposed to be served by sewerage services within a ten year period are the entire balance of the County, that is, the area exclusive of Washingtonville, Valley and Mahoning Townships, and Danville. If new development occurs the plan will be amended to indicate new community service districts. The DER Plan Revision Module for Land Development will be utilized where applicable.

The above subject area is under the jurisdiction of the Montour County Zoning Ordinance. It is largely zoned agriculture, with a two acre lot minimum, and residential with a one acre lot minimum, where no municipal sewer and water systems, or DER approved private systems are available.

There are no significant existing industrial waste discharges which are incompatible with sewerage services or other environmental factors which may have a relationship to the plan, in the areas described above. The industries in Danville and Mahoning Township are disposing of their wastes in a satisfactory manner, as are the State and County institutions.

Capital Program and Priorities

Since the Montour County Sewer and Water Plan 1980, does not contain any functional recommendations for current projects other than a subsurface water investigation for Valley Township, and a water system feasibility study for Washingtonville, and since there are no applications pending before the Department of Environmental Resources or the Environmental Protection Agency, no priority or ranking system was established for sewer or water facilities within the County. There are no communities competing for water or sewer funds at this time.

The extension of water service to Riverside, and to Valley Township, by the Danville Municipal Authority, are longer range projects, which would require feasibility studies before costs could be estimated.

STATUS OF MONTOUR COUNTY SEWER & WATER PLAN - 1980

This plan or revisions thereof, shall be recognized as the official guide for coordinating the orderly development of local community water and sewer systems in townships and boroughs throughout Montour County.

At the discretion of any local municipality and by prior written consent of the Montour County Planning Commission, this plan or revisions thereof, may be adopted as the official municipal plan for water and/or sewer systems to meet the planning requirements of Act 537, the Pennsylvania Sewage Facilities Act, as amended.

PROCEDURE

It shall be the responsibility of the Montour County Planning Commission to bring the plan to as many local units of government as possible and obtain their concurrence in the form of a letter or resolution. It shall be the responsibility of local municipal officials to file the official municipal plan for sewer systems with the Pennsylvania Department of Health as required under the Pennsylvania Sewerage Facilities Act of January 24, 1966, P.L. 1535, as amended.

STANDARDS

The standards for the design, construction and installation of public water and sewer systems, community water and sewer systems, individual on-lot water and sewer systems, shall conform with the standards at the appropriate official public agency (Sanitary Water Board, Pennsylvania Department of Environmental Resources, County or Municipal Health Departments.) Standards may include measures

to prevent nuisances, pollution of water, desecration of land, or procedures to insure the continued suitability of the land and the proper installation and operation of the system. Municipal officials and private individuals are herein advised to acquaint themselves with the appropriate standards when giving consideration to specific improvement projects.

AMENDMENTS OR REVISIONS

When the Montour County Planning Commission determines that this plan, or any part thereof, is inadequate for the needs of the County or any of the municipalities to which it relates, because of changed or newly discovered facts, conditions or circumstances, the Commission may make revisions or amendments to the Plan.

Funding Priority System

The U.S. Environmental Protection Agency funds for construction of local sewage collection and treatment facilities are channeled through the State Department of Environmental Resources. Their system of priority ratings is based on the following:

Water Pollution Control Factors	- 60%
Stream Sector Priority	- 20%
Population Affected	- 10%
Enforcement Action	- 10%

The Montour County Planning Commission would prefer the following system of priorities:

1. The elimination of health hazards, such as the pollution caused by an urban area having only primary treatment, and subsequent pollution to the receiving stream by a large population concentrated in an urbanized area.

2. The contribution to alleviating the housing shortage, in making building permits readily available by having connection to municipal sewage.

3. The stimulation of economic development, such as provision of land with full utilities for industrial or commercial purposes, which would in turn generate a payroll and provide employment for the residents of the areas.

In addition the Susquehanna Economic Development Administration has a system of priorities based on the following:

1. Availability. For example, how soon something could be done, taking into consideration such factors as lead time for design,

submission of application for approval by State and Federal agencies, letting of bids, and other such items.

2. The interdependability of a project, i.e. whether or not one community can't act until another does something, such as a township constructing a sufficiently sized interceptor to enable the adjacent township to send their sewage through its interceptor to a third community's existing sewage treatment plant. The construction of sewage collection facilities in a township being dependent upon another municipal authority first completing an I/I study and then completing the upgrading of their sewage treatment plant from primary to secondary, is another example.

3. Social factors, such as the environment, living conditions in areas, such as health hazards in subdivisions without sufficient sewage facilities, where septic tank malfunctioning is occurring, and raw sewage is running onto the streets, or polluting well water, in the lower elevations of a subdivision.

Pennsylvania Sewage Facilities Act Amendments

Chapter 71, relating to the administration of sewage facilities program, and Chapter 73 relating to standards for sewage disposal facilities, were recently enacted to amend the original Act 537.

The major purposes of these amendments were as follows:

1. To set forth regulations and standards for the administration of the Pennsylvania Sewage Facilities Act of January 24, 1966, PL 1535 as amended by the most recent Act of July 22, 1974 (No. 208).

2. To provide for the issuance of all permits for individual and community sewage systems including alternate systems by local government.

3. To streamline the planning requirements for new subdivision development through the use of planned supplements.

4. To require sewage enforcement officers employed by local agencies to become certified.

5. To set forth the rules of procedure and practice of the certification board which is established under the Act.

6. To establish technical standards for the use of alternate individual and community sewage disposal systems.

Chapter 71 is further subdivided into three areas, which are:

1. Planning requirements of the Act.

2. The administration of permits for individual and community sewage systems.

3. The powers, duties and operational procedures of the certification board, which was created by the Act.

Chapter 73, Standards for Sewage Disposal Facilities, contains a departure from previous DER requirements. Alternate subsurface

absorption areas are now permitted subject to their approval. The new types of subsurface areas include elevated sand mounds, sand lined trenches and beds, over-sized areas and shallow placement areas. These all depend on individual situations, the rate of percolation and the type of soil and surrounding conditions. Because they are permitted, does not mean they will automatically be granted. The DER has developed a matrix for adaptation of alternate subsurface absorption areas and has identified where they may be used in the soil groups where the alternate is permissible. They have provided a listing of the soils under 15 different groupings and have stated their characteristics, ranging from rapid percolation with hazard, to moderately well drained soils on upland sites.

The contents of the official plan are basically the same as when Act 537 was first enacted. It provides for revisions by a municipality or an individual where a subdivision occurs. The DER reserves the right to make a determination upon the submission of a request whether or not an official plan revision is necessary. Basically the DER is asking for direction and distance to, and location of, the nearest sewage treatment plant, and information as to its present and future accessibility in terms of time, finances and load capacity in relationship to other factors, such as adjacent property, source of water supply, ponds, streams, sewage, rights-of-way and streets. They also want to know the type of water supply and individual sewage system or community sewage system provided or to be provided, including the soil conditions and limitations if applicable. A preliminary plot plan must include the site location, the existing and proposed buildings, lot lines, sewage and sewage systems, all sources of water, and other physical factors.

Coordination with Federal and State Laws

The principal legislation affecting sewer planning and construction programs is PL 92-500. It is the main legislation providing for Federal funding, and provides up to 75% of planning, design and construction costs for sewer collection systems and sewage treatment plants. There is also provision for payment of various related studies for inflow and infiltration analysis and construction of storm sewer related facilities where a pollution problem is necessary to be corrected.

Construction grants are provided specifically under Title 2 of the Federal Water Pollution Control Act Amendments of 1972 (Public Law 92-500, 33 USC 1251). It authorizes award of construction grants for waste treatment works and a contract with the Federal Government for payment of the Federal share of the construction cost of such projects. This program is coordinated with the Pennsylvania Department of Environmental Resources, and the funds are channeled through them. DER funds are likewise frequently applied to such projects, up to 5% of project cost, where hardship is shown by the applicant.

The types of projects which may be funded up to 75% of cost include the following:

Step 1 - a facilities plan or related elements required to apply for Step 2 Grant Assistance. Facilities plan includes the description of the treatment works for which construction drawings and specifications are to be prepared, including preliminary engineering data, cost estimates for design and construction, and schedule of completion.

It would also include a description of the selected complete waste treatment system, of which the proposed works is a part, covering all elements from the service area and collection sewer, to treatment, and to the ultimate discharge of treated waste waters and disposal of sludge. If an infiltration/inflow documentation study is necessary, this would be included. A cost effectiveness analysis of various alternatives for the treatment works and the complete system is required. A cost effectiveness analysis must include the relationship of the size and capacity of alternative works to the needs to be served, including reserve capacity. An evaluation of alternative flow and waste reduction measures, evaluation of improved effluent quality obtainable by upgrading the operation, and maintenance and efficiency of existing facilities as an alternative or supplement to the construction of new facilities, and an evaluation of the capability of each alternative to meet applicable effluent limitations is required. Treatment works must be designed for not less than secondary treatment.

Various other documentations are required, including an environmental assessment and/or impact statement, and the review by relevant state, interstate, regional and local agencies to prevent conflicts or duplication of effort.

Step 2 is the preparation of construction drawings and specifications.

Step 3 is the building and construction of a treatment works and there can be a combination of Steps 2 and 3.

Areawide sewage facilities planning is also an eligible cost item.

All of the activities which are eligible for 75% funding do not necessarily have funds appropriated for them. They vary from time to time.

After October 31, 1974, written approval of a "plan of study" must be obtained prior to initiation of facilities planning. After June 30, 1975, facilities planning may not be initiated prior to approval of a Step 1 grant. Projects already underway prior to the current Title II Amendments are considered on an individual case basis for entry at Step 1, 2 or 3, and various reimbursements may be made at the discretion of EPA, and as recommended by DER.

The Title II Amendments require the State, in Pennsylvania's case, the DER, to establish a priority system and project priorities for the funding.

Recovery by the grantee from industrial users of the treatment plant prorated share of construction costs and user fees is required by EPA.

The Farmers Home Administration continues to offer a combination of loan and grant programs to rural areas under 10,000 population. The maximum loan period is 40 years and the interest rates vary according to the rates charged to U.S. Treasury notes and bills. Likewise the grant amounts are flexible and vary with the local conditions.

Details of the Title II Amendments to PL 92-500 are contained in the Federal Register, Volume 39, No. 29, Monday, February 11, 1974, and may appear in subsequent issues.

Coordination With Sewer and Water Planning Programs at Other Levels
of Government

During preparation of this report, it was noted that the Pennsylvania Department of Environmental Resources has undertaken a state-wide study on water quality management. It is called "COWAMP - A Creative Approach to Water Quality Management Planning¹."

A release from the Pennsylvania Department of Environmental Resources describing the program is contained on the next four pages.

¹Bureau of Water Quality Management Publication No. 37 Rev.8-74

DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENT
WATER QUALITY PLANNING FOR PENNSYLVANIA

COWAMP stands for Comprehensive Water Quality Management Planning. It is the name of a program that is seeking to establish a plan for water quality management in Pennsylvania. COWAMP is being carried out by the Bureau of Water Quality Management in the Department of Environmental Resources. It consists of nine planning studies, each for a different part of the Commonwealth. In each study area, the Bureau will attempt to determine the combination of actions that are required to achieve and maintain water quality in a manner that is economically sound and consistent with state and local environmental objectives.

COWAMP has its origin in the 1970 Amendments to the Clean Streams Law and certain federal environmental regulations that were subsequently incorporated into the 1972 Federal Water Pollution Control Act Amendments (P. L. 92-500). In the 1970 Amendment, the legislature said that: "The achievement of . . . (Clean Streams) . . . requires a comprehensive program of watershed management and control . . ." (The Clean Streams Law, Section 4). Similar sentiments have recently been expressed at the National level. The U. S. Senate Public Works Committee, in its report on what eventually became P. L. 92-500 said: "Perhaps the principal cause of inefficiency and poor performance in the management of wastes . . . is the incoherent and uncoordinated planning and management that prevails in many areas of the nation. Adjacent communities and industries are under no mandate to coordinate . . . water quality planning. This results in poor overall performance and the proliferation of many direct and indirect discharge sources into receiving waters. Such diffuse and divergent programs not only intensify pollution problems, but they prevent the use of economies of scale, efficiency of treatment methods, and most importantly, coherent, integrated, and coordinated land use management . . ." (U. S. Senate Public Works Committee Report on S2770, Pg 36, October 1971).

The problem that both the State Legislature and U. S. Senate were addressing is illustrated in figure 1. Figure 1 shows an area of Pennsylvania within 50 miles of Butler. Each dot represents a water or wastewater treatment facility. There are over 900. Most of these are small plants that are designed to process only a few thousand gallons of waste each day. Small plants are often more expensive (on a per capita or per gallon basis) than larger consolidated ones. While larger plants are not always the answer, it does mean that Pennsylvanians, who spend about a billion dollars per year on water pollution control, are probably spending more than they would have to if waste management was being carried out on a coordinated basis. If economy could be achieved, some of this investment could be used to control other forms of pollution or be diverted to other worthwhile areas.

COWAMP was originally conceived as a program to deal with primarily municipal and industrial wastes. It has been expanded in response to new legislative requirements and the Pennsylvania Environmental Amendment, that was passed by the voters in 1971. This Constitutional Amendment states that "The people have the right to clean air, pure water, and to the preservation of the natural, scenic, historic, and aesthetic values of the environment . . .". It instructs the Commonwealth as trustee to conserve and maintain these values for the benefit of all the people. (Article I, Section 27, Pennsylvania Constitution). As a result COWAMP will encompass all elements of wastewater management, including municipal and industrial wastes, combined and storm sewer pollution, agricultural runoff, abandoned mine drainage, sludge disposal, and ground water quality, and seek to identify the physical, financial, insitutional and management steps needed to achieve water quality and other environmental goals economically. All of these problems will be addressed within the context of preserving and protecting environmental amenities and values that are identified during the course of the program.

The initial phase of COWAMP is currently getting underway. The state has been divided into nine water quality management study areas (Figure 2). In each, an engineering consultant, working with the assistance of three local advisory committees, will, over a three year period, develop the comprehensive water quality management plan that best responds to the needs of the specific area. These committees will represent local and county government, citizen, environmental, industrial, conservation, sportsmen, business, and other groups representing local interests and plans. They will receive full briefing on the COWAMP procedure and review and comment on the consultant's report in draft form. Full local involvement is crucial to the success of this effort. Once developed, each plan will be the subject of a public hearing before being presented to the Environmental Quality Board for adoption. In addition to the advisory committees and public hearing, other public information and participation activities will be carried out.

Although this initial phase of COWAMP will be quite comprehensive, it's not likely that it will be possible to solve all water quality management problems by a single study. For this reason, special follow-up studies are expected to be necessary. These will deal with specific problems or areas on a priority basis so that the principle of economy can be maintained. Finally the plans that result from the COWAMP program are expected to be "living documents", in the sense that they will be subject to constant review and updating. This is necessary because as conditions change, plans must change as well.

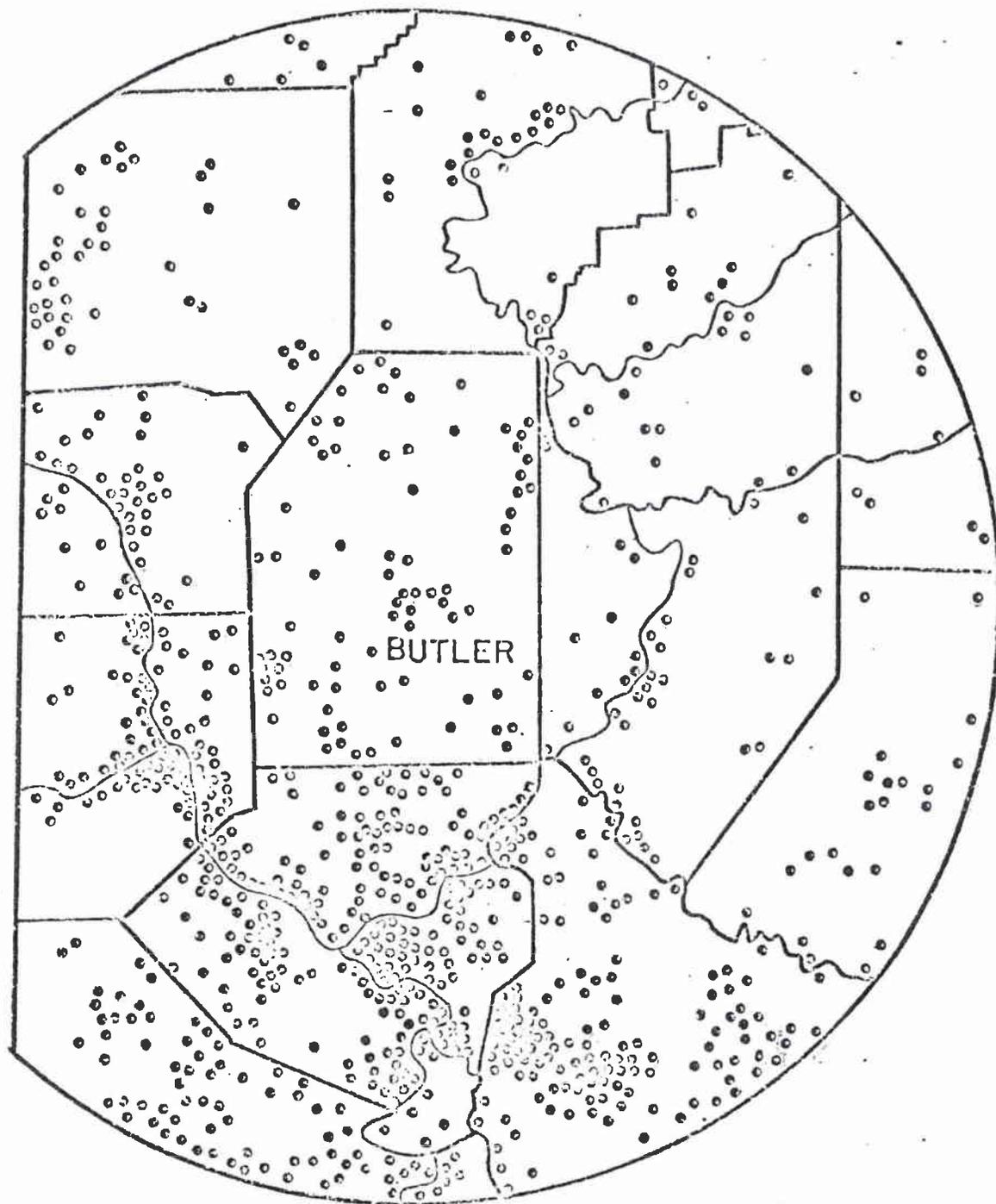


FIG. I - WASTE TREATMENT FACILITIES
BUTLER, PENNSYLVANIA & VICINITY (1969)

**Mahoning Township Authority
Act 537 Planning Module
Component 3m**

Sanitary Sewer Extensions for:

**Red Lane
Railroad Street
Bloom Road (Frosty Valley Country Club)**

January 2008

P.N. 5400.70

Prepared by:

**ARRO Consulting, Inc.
649 North Lewis Road
Suite 100
Limerick, PA 19468**

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Exhibit 1

Sewage Facilities Planning Module



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

Code No.

**SEWAGE FACILITIES PLANNING MODULE
FOR
MINOR ACT 537 UPDATE REVISION**

Component 3m. Municipal or Authority Sponsored Minor Sewage Collection Project
(Return completed module package to appropriate municipality)

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

This document provides a simplified planning format for municipalities and municipal authorities proposing the construction of a sewer extension primarily serving existing development. Typically, this format would be used for projects involving the extension of sewer service to no more than 100 equivalent dwelling units (EDUs) and where the majority of the project serves existing development. For projects where more than 50 percent of the proposed customers will result from new land development, a Component 3 Sewage Facilities Planning Module would typically be used. For larger projects or if the project would involve the construction or modification of a wastewater treatment facility, then a general Act 537 Update Revision, meeting all of the requirements of Title 25 Pennsylvania Code, Chapter 71 § 72.21, is appropriate.

DEP staff will make a final determination as to the appropriate type of planning for a given project based on the review of a plan of study. Eligibility for a grant to offset the cost of planning will be determined by DEP staff based upon review of a *Task/Activity Report* (3800-FM-WSFR0005). The project sponsor submits both documents. **DO NOT** use this form without coordinating with your local DEP staff. Refer to the instructions.

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

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name

1. Red Lane Sewer Extension; 2. Railroad Street Sewer Extension; 3. Frosty Valley Country Club (FVCC) Extension

2. Brief Project Description

Extend the sanitary sewer main from the existing sewer along Red Lane, Railroad Street, and at FVCC.

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

Municipality Name	County	City	Boro	Twp
Mahoning Township	Montour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact - Last Name	First Name	MI	Suffix	Title
DeLong	Christine			Township Secretary
Additional Individual - Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
1101 Bloom Road				
Address Last Line - City	State	ZIP+4		
Danville	PA	17821		
Phone + Ext.	FAX (optional)	Email (optional)		
570-275-5521				

C. SITE INFORMATION (See Section C of instructions)

Site Name
Red Lane; Railroad Street; FVCC

Site Location Line 1
Located along Red Lane near Abbey Road

Site Location Line 2

Site Location Last Line - City	State	ZIP+4	Latitude	Longitude
Danville	PA	17821		

Detailed Written Directions to Site
Follow Interstate 80 east to the exit for State Route 54; Danville. Follow Rt. 54 south to Danville where it intersects Rt. 11. Follow Rt. 11 east into Mahoning Twp. Where Rt. 11 intersects Bloom Rd., bear left on Bloom Rd. Follow Bloom Rd. to Mahoning Township. See enclosed location plans for specific project locations.

Description of Site
State Road

Site Contact - Last Name	First Name	MI	Suffix	Phone	Ext.
DeLong	Christine			570-275-5521	

Site Contact Title
Township Secretary

Site Contact Firm (if none, leave blank)

FAX

Email

Mailing Address Line 1
1101 Bloom Road

Mailing Address Line 2

Mailing Address Last Line - City	State	ZIP+4
Danville	PA	17821

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

Last Name	First Name	MI	Suffix
Heckman	Dale	D	

Title
Project Manager

Consulting Firm Name
ARRO Consulting, Inc.

Mailing Address Line 1
400 Washington Street

Mailing Address Line 2
Suite 602

Address Last Line - City	State	ZIP+4	Country
Reading	PA	19601-3915	USA

Email	Phone	Ext.	FAX
	610-374-5285		610-374-5287

E. AVAILABILITY OF DRINKING WATER SUPPLY (See Section E of instructions)

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

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

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

Name of water company: Mahoning Township Authority

F. PROJECT NARRATIVE (See Section F of instructions)

A narrative has been prepared as described in Section E of the instructions and is attached.

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

G. SEWAGE DISPOSAL NEEDS IDENTIFICATION (See Section G of instructions)

Conduct sanitary and water supply surveys per DEP's publication entitled *Sewage Disposal Needs Identification*. This is highly recommended for all projects. It is required if PENNVEST funding is to be sought for the project, or if required by DEP as indicated by the checked box opposite this item.

H. EXISTING WASTEWATER FACILITIES (See Section H of instructions)

1. COLLECTION SYSTEM

Provide requested information concerning the existing treatment facility.

a. Name of existing collection system 1. Abbey Road Sewers; 2. N. Academy Dr. Sewers; 3. Lindburgh Dr. Sewers

Clean Streams Law Permit Number 0

b. Name of interceptor 12" Dual Interceptor

Clean Streams Law Permit Number 0

2. WASTEWATER TREATMENT FACILITY

Provide requested information concerning the existing treatment facility.

Name of existing facility Danville Wastewater Treatment Plant

NPDES Permit Number for existing facility 23531

I. PROPOSED WASTEWATER FACILITIES (See Section I of instructions)

1. Provide an estimate of the immediate and five year projected flow from the proposed sewer extension. Address the capacity for this flow in the existing conveyance and treatment facilities in terms of the most recent wasteload management annual report for these facilities.

2. PLOT PLAN

The following information is to be submitted on a plot plan or map of the proposed project that clearly reflects the relationship between the proposed facilities and the identified features.

- a. Existing and proposed buildings.
- b. Lot lines and lot sizes.
- c. Adjacent lots.
- d. Existing and proposed sewerage facilities.
- e. Show tap-in or sewer extension to the point of connection to existing collection system.
- f. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.)
- g. Existing and proposed rights-of-way.
- h. Existing and proposed streets, roadways, access roads, etc.
- i. Any designated recreational or open space area
- j. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping.
- k. Flood plains or Floodprone area soils, floodways, watercourses, water bodies (from Federal Flood Insurance Mapping)
- l. Prime Agricultural Land.
- m. Any other facilities (pipelines, power lines, etc.)
- n. Orientation to north.

I. PROPOSED WASTEWATER FACILITIES (continued)**3. WETLAND PROTECTION**

YES NO

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

4. PRIMARY AGRICULTURAL LAND PROTECTION

- a. Will your project involve the disturbance of any prime agricultural lands? If "yes" indicate any alternatives to this disturbance that were considered and the reasons they were not deemed feasible. Identify any primary or secondary impacts of the project on the Commonwealth's prime agricultural lands. Evaluate alternatives to avoid or mitigate undesirable impacts. The selected sewage facilities plan must be consistent with local measures in place to protect prime agricultural lands.

5. STORMWATER MANAGEMENT IMPACTS:

- a. Will the project impact an area covered by a DEP approved County Stormwater Management Plan? If yes show that the proposed facilities are consistent with that plan.

6. PENNSYLVANIA NATURAL DIVERSITY INDEX (PNDI) CONSISTENCY:

Check one:

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

Applicant or Consultant Initials WLB**7. COMPREHENSIVE PLAN CONSISTENCY:**

- A narrative and mapping to show that the proposed project is consistent with any comprehensive plan developed under the Pennsylvania Municipalities Planning Code (Act 247) is attached. Document that the proposed project is consistent with land use and all other requirements stated in the comprehensive plan.

8. COOPERATION WITH PA. HISTORICAL AND MUSEUM COMMISSION (PHMC):

- A copy of DEP's "Cultural Resource Notice" and map which were sent to the Commission and a copy of the Commission's response are attached. Note that the Commission may require archeological surveys if federal funds, including PENNVEST, will be used in the project. If PENNVEST funds are to be used, DEP cannot recommend the project to PENNVEST for consideration until any required surveys have been done and the project has been "cleared" by the Commission.

9. ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS:

- A copy of the additional information is attached. If PENNVEST funding is to be sought for the project,

address these additional items in terms of any project impacts and measures to avoid or mitigate same.

- Cost Effectiveness
- Air quality
- Floodplains
- Wild and scenic rivers
- Coastal zone management
- Socio-economic impacts
- Water supplies
- Other environmentally sensitive areas

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

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

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

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 1872 gpd

RED LANE

2. Total Sewage Flows to Facilities

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
- c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection	1872	4680	0	0	1872	4680
Conveyance	863680	2159200	221000	552500	222872	557180
Treatment	3620000	9050000	1923000	4807500	2552000	6380000

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.
- b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.
- c. Collection System

Name of Agency, Authority, Municipality Mahoning Township Authority

Name of Responsible Agent Thomas Mertz

Agent Signature *Thomas Mertz*

Date 8/6/07

d. Conveyance System

Name of Agency, Authority, Municipality Mahoning Township Authority

Name of Responsible Agent Thomas Mertz

Agent Signature *Thomas Mertz*

Date 8/6/07

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

- a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.
- b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality Borough of Danville

Name of Responsible Agent Donald Shobert

Agent Signature *Donald Shobert*

Date 8-6-07

L. INSTITUTIONAL EVALUATION (See Section L of Instructions)

- An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

address these additional items in terms of any project impacts and measures to avoid or mitigate same.

- Cost Effectiveness
- Air quality
- Floodplains
- Wild and scenic rivers
- Coastal zone management
- Socio-economic impacts
- Water supplies
- Other environmentally sensitive areas

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

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

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

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 1664 gpd

RAILROAD STREET

2. Total Sewage Flows to Facilities

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
- c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection	1664	4160	0	0	1664	4160
Conveyance	863680	2159200	221000	552500	224744	561860
Treatment	3620000	9050000	1923000	4807500	2552000	6380000

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.
- b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.
- c. Collection System

Name of Agency, Authority, Municipality Mahoning Township Authority

Name of Responsible Agent Thomas Mertz

Agent Signature *Thomas Mertz*

Date 8/6/07

d. Conveyance System

Name of Agency, Authority, Municipality Mahoning Township Authority

Name of Responsible Agent Thomas Mertz

Agent Signature *Thomas Mertz*

Date 8/6/07

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

- a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.
- b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality Borough of Danville

Name of Responsible Agent Donald Shobert

Agent Signature *Donald Shobert*

Date 8-6-07

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

- An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

address these additional items in terms of any project impacts and measures to avoid or mitigate same.

- Cost Effectiveness
- Air quality
- Floodplains
- Wild and scenic rivers
- Coastal zone management
- Socio-economic impacts
- Water supplies
- Other environmentally sensitive areas

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

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

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

K. CHAPTER 94 CONSISTENCY DETERMINATION (See Section K of instructions)

- Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Chapter 94 of DEP's rules and regulations (relating to Municipal Wasteload Management). If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 4784 gpd

FROSTY VALLEY COUNTRY CLUB

2. Total Sewage Flows to Facilities

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the present average and peak sewage flows for the critical sections of existing facilities.
- c. Enter the average and peak sewage flows projected for 5 years through the critical sections of existing facilities which includes existing, proposed, or future projects.

To complete the table, refer to Section K of instructions.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd)	
	Average	Peak	Average	Peak	Average	Peak
Collection	4784	11960	0	0	4784	11960
Conveyance	863680	2159200	221000	552500	229528	573820
Treatment	3620000	9050000	1923000	4807500	2552000	6380000

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table.

This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system? Yes No

- a. If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the module package.
- b. If no, the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 94 requirements and that this proposal will not affect this status.
- c. Collection System

Name of Agency, Authority, Municipality Mahoning Township Authority

Name of Responsible Agent Thomas Mertz

Agent Signature *Thomas Mertz*

Date 8/6/07

d. Conveyance System

Name of Agency, Authority, Municipality Mahoning Township Authority

Name of Responsible Agent Thomas Mertz

Agent Signature *Thomas Mertz*

Date 8/6/07

K. CHAPTER 94 CONSISTENCY DETERMINATION (continued)

4. Treatment Facility

The questions below are to be answered by the facility permittee in coordination with the information in the table and the latest Chapter 94 report.

This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility? Yes No

- a. If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved plan and schedule granting an allocation for this project. A letter granting allocations to this project under the plan and schedule must be attached to the planning module.
- b. If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with Chapter 94 requirements and that this proposal will not impact this status

c. Name of Agency, Authority, Municipality Borough of Danville

Name of Responsible Agent Donald Shobert

Agent Signature *Donald Shobert*

Date 8-6-07

L. INSTITUTIONAL EVALUATION (See Section L of instructions)

- An institutional evaluation is attached. Identify the entity which will design, obtain necessary permits, construct, own and operate the proposed facilities. If a low pressure vacuum or effluent sewer are proposed, discuss purchase, installation, operation and maintenance responsibilities for the individual pumping, valves, tanks, etc.

Project Funding

The following analysis for the funding of each of the sewer extensions (Red Lane, Railroad Street, and Bloom Road/Frosty Valley Country Club) is based on the conceptual planning phase costs for each project. These costs are subject to change as the Township and Authority approach final design and construction. The conceptual (planning level) construction cost opinions are found in Appendix H for your reference. Any future adjustments and refinements to the project costs may impact the estimated tapping fees and user fees that are shown in this module.

M. PROJECT COST AND FUNDING ANALYSIS (See Section M of instructions)

- A detailed cost estimate and present worth analysis for the project is attached. Provide a financing plan for the project, identifying the funding source(s) and identifying estimated tap fees and user rates. For projects proposing the use of PENNVEST funds, see Section I. 9. **ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS**. Complete the following table:

Cost and Funding Information (Estimated)	
COST	
Construction cost	\$ 120000
Administrative, legal, engineering cost	\$ 24000
Total project cost	\$ 144000
Annual O/M cost	\$ 192
FUNDING	
Tap-in fees (\$ per EDU X no. EDUs)	\$ 10980 *
Proceeds from primary funding source	\$ 144000 *
Proceeds from other funding sources	\$ 0
USER COSTS	
Initial user base	9 EDUs
Monthly debt service per EDU	\$
Monthly O/M cost per EDU	\$ 16
Total estimated monthly user cost per EDU	\$ 16

RED LANE

N. PROJECT IMPLEMENTATION SCHEDULE (See Section N of instructions)

- A project implementation schedule showing milestone dates for submission of DEP permit applications, initiation and completion of construction and any other milestones significant to this particular project is attached to this component

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

- Attached is a copy of the public notice. All comments received as a result of the notice are attached.
- Municipal response to these comments is attached.
- No comments were received. A copy of the public notice is attached.

** See following page*

Red Lane Funding:

Tapping Fee:

- Capacity and collection part of the fee:
\$1,220 per EDU (Total Tapping Fee = \$1,220 x 9 EDU = \$10,980)
- Special Purpose part of the fee:
\$16,000/EDU (Total Special Purpose Part = \$16,000/EDU x 9 EDU = \$144,000)

The tapping fee is made up of the capacity and collection portion of the fee plus a special purpose part. The special purpose part is calculated by dividing the total opinion of probable construction cost by the total number of EDUs planned for connection the proposed sewer extension.

The capacity and collection portion is the same for everyone and is paid by everyone connecting to the system. The special purpose part is unique to the area for the respective sewer extension.

M. PROJECT COST AND FUNDING ANALYSIS (See Section M of instructions)

- A detailed cost estimate and present worth analysis for the project is attached. Provide a financing plan for the project, identifying the funding source(s) and identifying estimated tap fees and user rates. For projects proposing the use of PENNVEST funds, see Section I. 9. **ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS.** Complete the following table:

Cost and Funding Information (Estimated)		RAILROAD STREET
COST		
Construction cost	\$ 100000	
Administrative, legal, engineering cost	\$ 17000	
Total project cost	\$ 117000	
Annual O/M cost	\$ 192	
FUNDING		
Tap-in fees (\$ per EDU X no. EDUs)	\$ 9760	*
Proceeds from primary funding source	\$ 117000	*
Proceeds from other funding sources	\$ 0	
USER COSTS		
Initial user base	8 EDUs	
Monthly debt service per EDU	\$	
Monthly O/M cost per EDU	\$ 16	
Total estimated monthly user cost per EDU	\$ 16	

N. PROJECT IMPLEMENTATION SCHEDULE (See Section N of instructions)

- A project implementation schedule showing milestone dates for submission of DEP permit applications, initiation and completion of construction and any other milestones significant to this particular project is attached to this component

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

- Attached is a copy of the public notice. All comments received as a result of the notice are attached.
- Municipal response to these comments is attached.
- No comments were received. A copy of the public notice is attached.

* See following page

Railroad Street Funding:

Tapping Fee:

- Capacity and collection part of the fee:
\$1,220 per EDU (Total Tapping Fee = \$1,220 x 8 EDU = \$9,760)
- Special Purpose part of the fee:
\$14,625/EDU (Total Special Purpose Part = \$14,625/EDU x 8 EDU = \$117,000)

The tapping fee is made up of the capacity and collection portion of the fee plus a special purpose part. The special purpose part is calculated by dividing the total opinion of probable construction cost by the total number of EDUs planned for connection the proposed sewer extension.

The capacity and collection portion is the same for everyone and is paid by everyone connecting to the system. The special purpose part is unique to the area for the respective sewer extension.

M. PROJECT COST AND FUNDING ANALYSIS (See Section M of instructions)

- A detailed cost estimate and present worth analysis for the project is attached. Provide a financing plan for the project, identifying the funding source(s) and identifying estimated tap fees and user rates. For projects proposing the use of PENNVEST funds, see Section I. 9. **ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS**. Complete the following table:

Cost and Funding Information (Estimated)		
COST		
Construction cost	\$	71000
Administrative, legal, engineering cost	\$	14000
Total project cost	\$	85000
Annual O/M cost	\$	192
FUNDING		
Tap-in fees (\$ per EDU X no. EDUs)	\$	28060 *
Proceeds from primary funding source	\$	85000 *
Proceeds from other funding sources	\$	
USER COSTS		
Initial user base	23	EDUs
Monthly debt service per EDU	\$	
Monthly O/M cost per EDU	\$	16
Total estimated monthly user cost per EDU	\$	16

FVCC

N. PROJECT IMPLEMENTATION SCHEDULE (See Section N of instructions)

- A project implementation schedule showing milestone dates for submission of DEP permit applications, initiation and completion of construction and any other milestones significant to this particular project is attached to this component

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

- Attached is a copy of the public notice. All comments received as a result of the notice are attached.
- Municipal response to these comments is attached.
- No comments were received. A copy of the public notice is attached.

** See following page*

Frosty Valley Country Club/Bloom Road (FVCC) Funding:

Tapping Fee:

- Capacity and collection part of the fee:

\$1,220 per EDU (Total Tapping Fee = \$1,220 x 23 EDU = \$28,060)

- Special Purpose part of the fee:

\$3,695.65/EDU (Total Special Purpose Part = \$3,695.65/EDU x 23 EDU = \$85,000)

The tapping fee is made up of the capacity and collection portion of the fee plus a special purpose part. The special purpose part is calculated by dividing the total opinion of probable construction cost by the total number of EDUs planned for connection the proposed sewer extension.

The capacity and collection portion is the same for everyone and is paid by everyone connecting to the system. The special purpose part is unique to the area for the respective sewer extension.

P. ADDITIONAL CHAPTER 71 PLANNING ELEMENTS (See Section P of instructions)

a. Additional planning elements are required by DEP.

- _____
- _____
- _____
- _____
- _____

Q. PLANNING AGENCY REVIEW (See Section Q of instructions)

- Local Planning Commission comments or Component 4a are attached.
- County, Area, Or Region Planning Commission comments or Component 4b are attached.
- County or Joint County Health Department comments (if appropriate) or Component 4c are attached.

R. RESOLUTION OF ADOPTION (See Section R of instructions)

- An original, signed, and sealed Resolution of Adoption is attached.
-

Appendix A
Location Plan

Appendix B

Project Narratives

Project Narrative

Red Lane Sewer Extension

This Act 537 Plan Update Revision (Component 3m) is being prepared to establish the necessary planning for the extension of public sewer service to existing residents located along Red Lane in Mahoning Township. The area to be served consists of nine (9) single-family dwelling units along the north side of Red Lane near Abbey Road.

The proposed collection main to serve these homes will be an 8-inch main that will extend from existing manhole 523 for about 130 feet east along the southern shoulder of Red Lane. The sewer main (nearly 45 feet) will be placed across Red Lane to the north shoulder of the road. At this point, the sewer main will extend nearly 1200 feet along the north shoulder of Red Lane to serve the residents.

The project population to be served is nearly 23 persons based on 2.59 people per household as detailed in the latest Montour County census data.

The projected sewage flow from this area is 1872 gpd. This is based on 9 EDUs x 208 gpd/EDU. This figure is currently used by Mahoning Township in determining their sewer rates.

Within the project service area, there are no other areas proposed for future development.

Project Narrative

Railroad Street Sewer Extension

This Act 537 Plan Update Revision (Component 3m) is being prepared to establish the necessary planning for the extension of public sewer service to existing residents located along Railroad Street in Mahoning Township. The area to be served consists of nine (8) single-family dwelling units along the north side of Railroad Street.

The proposed collection main to serve these homes will be an 2-inch pressure sewer main that will extend from existing manhole 248 for about 100 feet east along the eastern edge of Railroad Street. The sewer main (nearly 50 feet) will be placed across Railroad Street to the north shoulder of the road. At this point, the sewer main will extend nearly 485 feet along the north shoulder of Railroad Street to serve the residents.

The project population to be served is nearly 21 persons based on 2.59 people per household as detailed in the latest Montour County census data.

The projected sewage flow from this area is 1664 gpd. This is based on 8 EDUs x 208 gpd/EDU. This figure is currently used by Mahoning Township in determining their sewer rates.

Within the project service area, there are no other areas proposed for future development.

Project Narrative

Frosty Valley Country Club/Bloom Road Sewer Extension

This Act 537 Plan Update Revision (Component 3m) is being prepared to establish the necessary planning for the extension of public sewer service to the Frost Valley Country Club and adjacent existing residents located along Bloom Road in Mahoning Township. The area to be served consists of a Country Club representing twenty (20) equivalent dwelling units and three (3) single-family dwelling units along the north side of Bloom Road east of Kaseville Road.

The proposed collection main to serve the Country Club and these homes will be an 8-inch gravity sewer main that will extend from existing manhole 75 near the intersection of Bloom Road and Lindburgh Street. The sewer main (nearly 40 feet) will be placed across Bloom Road to the north shoulder of the road. At this point, the sewer main will extend nearly 500 feet along the north shoulder (moving west) to serve the residents. The Frosty Valley Country Club will extend a 6-inch private service lateral onto their property from the newly placed manhole on the north side of Bloom Road.

The project population to be served is nearly 8 persons based on 2.59 people per household as detailed in the latest Montour County census data.

The projected sewage flow from this area is 4784 gpd. This is based on 23 EDUs x 208 gpd/EDU. This figure is currently used by Mahoning Township in determining their sewer rates.

Within the project service area, there are no other areas proposed for future development.

Appendix C

Sewage Disposal Needs Identification

3800-FM-WSWM0290 Rev. 12/2002



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

U008588

APPLICATION FOR AN ONLOT SEWAGE DISPOSAL SYSTEM PERMIT

PART I APPLICANT AND SITE INFORMATION 1. Applicant Name <u>James M. Cole</u> Address <u>1301 Red Lane</u> <u>Danville PA 17821</u> Telephone No. Day <u>(570) 295 5572</u> Evenings () _____		2. Site Address <u>1301 Red Lane</u> <u>Danville</u> Street, RR, Box No. <u>PA 17821</u> Post Office State Zip <u>PA</u> Subdivision Name <u>PA</u> Lot No. <u>Mahoning Twp</u> Municipality <u>Monroe</u> County	
---	--	---	--

Directions to the Site: _____

3. Lot Size <u>30 + Acres</u> sq. ft./acres	4. Type of Facility to be served by this System
5. Type of System <input type="checkbox"/> New <input checked="" type="checkbox"/> Repair	Single Family Residential <input checked="" type="checkbox"/> No. of Bedrooms <u>3</u> Multifamily <input type="checkbox"/> Commercial <input type="checkbox"/> gal./day <u>400</u>
6. Facility Water Supply: Public <input type="checkbox"/> Well <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Cistern <input type="checkbox"/> Surface <input type="checkbox"/>	
7. Distance to the nearest existing or proposed Private Water Supply (on or off the property) <u>100 ft.</u>	

PART II LOCAL AGENCY USE ONLY																									
SEWAGE PLANNING	SITE SUITABILITY	PERCOLATION RATE	APPLICATION STATUS																						
<input type="checkbox"/> Approved Planning Mod. DEP Code No. _____ (date) _____ <input type="checkbox"/> Area Not Planned (not created before May 16, 1972) <input type="checkbox"/> Limitations in Effect	Soil Series _____ Slope <u>17%</u> Type of Limiting Zone <u>Redox</u> Depth of Limiting Zone <u>24</u> inches Type of Cover <u>Ag. Grass Forest</u>	Percolation Rate <u>N/A</u> min/in. Not conducted Site is: <input type="checkbox"/> Suitable for in ground system. <input type="checkbox"/> Suitable for elevated system. <input type="checkbox"/> Suitable for IRSIS <input type="checkbox"/> Unsuitable	<table border="1"> <tr> <th>ACTION</th> <th>DATE</th> </tr> <tr> <td><input checked="" type="checkbox"/> Complete Application</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Received</td> <td><u>7/27/04</u></td> </tr> <tr> <td><input type="checkbox"/> Permit Issued</td> <td><u>7/27/04</u></td> </tr> <tr> <td><input checked="" type="checkbox"/> Permit Denied</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Interim Inspection</td> <td>____/____/____</td> </tr> <tr> <td><input type="checkbox"/> Interim Inspection</td> <td>____/____/____</td> </tr> <tr> <td><input type="checkbox"/> Final Inspection</td> <td>____/____/____</td> </tr> <tr> <td><input type="checkbox"/> Approved</td> <td>____/____/____</td> </tr> <tr> <td><input type="checkbox"/> Disapproved</td> <td>____/____/____</td> </tr> <tr> <td><input type="checkbox"/> Revoked Permit</td> <td>____/____/____</td> </tr> </table> SEO Initials _____	ACTION	DATE	<input checked="" type="checkbox"/> Complete Application		<input checked="" type="checkbox"/> Received	<u>7/27/04</u>	<input type="checkbox"/> Permit Issued	<u>7/27/04</u>	<input checked="" type="checkbox"/> Permit Denied		<input type="checkbox"/> Interim Inspection	____/____/____	<input type="checkbox"/> Interim Inspection	____/____/____	<input type="checkbox"/> Final Inspection	____/____/____	<input type="checkbox"/> Approved	____/____/____	<input type="checkbox"/> Disapproved	____/____/____	<input type="checkbox"/> Revoked Permit	____/____/____
ACTION	DATE																								
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<input type="checkbox"/> Final Inspection	____/____/____																								
<input type="checkbox"/> Approved	____/____/____																								
<input type="checkbox"/> Disapproved	____/____/____																								
<input type="checkbox"/> Revoked Permit	____/____/____																								
FEES PAID Application \$ <u>30</u> Testing \$ <u>30</u> Inspection(s) _____ Other _____ Total \$ <u>70</u>																									

PART III PLOT PLAN AND SYSTEM DESIGN			
1. TANKAGE	2. SOIL ABSORPTION SYSTEM	3. Type of Sand Filter	4. Type of Disinfection
Total Tank Capacity gal. _____	Total Absorption Area Sq. ft. _____	<input type="checkbox"/> Buried <input type="checkbox"/> Free Access	<input type="checkbox"/> Erosion <input type="checkbox"/> Hypo
<input type="checkbox"/> Septic Tanks _____ <input type="checkbox"/> Aerobic Tank(s) _____ <input type="checkbox"/> Chemical Toilet _____ <input type="checkbox"/> Composting Toilet _____ <input type="checkbox"/> Incinerating Toilet _____ <input type="checkbox"/> Recycling Toilet _____ <input type="checkbox"/> Holding Tank _____ <input type="checkbox"/> Vault Privy _____ <input type="checkbox"/> Denitrification _____	<input type="checkbox"/> Standard Trench <input type="checkbox"/> Elev. Sand Trench <input type="checkbox"/> Seepage Bed <input type="checkbox"/> Elev. Sand Bed <input type="checkbox"/> Pressure Dose <input type="checkbox"/> Subsurf. Sand Bed <input type="checkbox"/> Alternate _____ <input type="checkbox"/> Experimental _____ <input type="checkbox"/> IRSIS	5. ATTACH THE FOLLOWING DOCUMENTATION a. A copy of the Form 3800-FM-WSWM290A (and B when required) or morphological evaluation report (See Part II) b. A detailed plot plan and sewage system design (including plan reviews and cross sections). See the instructions on the reverse side for required details. Indicate the number of attached sheets Comments: _____	

PART IV SIGNATURES	
I am the owner of record (or the authorized agent of the owner) of the lot described in Part I of this application. I intend to install an onlot sewage system on this property. The information provided as part of this application is true and correct to the best of my knowledge. I understand that providing false information on this application is subject to the penalties of 18 PA C.S.A. §4904, relating to unsworn falsification to authorities. Submission of this form grants authorized representatives from the local agency and/or this Department access to the lot to inspect and conduct tests of 1) the site; 2) the system and structures under construction; 3) the completed sewage system; and, 4) the operational status of the system.	
Property Owner's Signature <u>James M. Cole</u>	Date <u>7/29/04</u>
The information in this application is true and correct to the best of my knowledge.	
GEO Signature <u>[Signature]</u>	Date <u>7/29/04</u> Certification No. <u>03202</u>

Appendix D

Proposed Wastewater Facilities

Proposed Wastewater Facilities

The immediate flow to be served by each of the proposed sewer extensions is as follows:

1. Red Lane Sewer Extension: 1872 gpd
 - a. A gravity or low pressure sanitary sewer extension that will connect to the existing gravity system.
2. Railroad Street Sewer Extension: 1664 gpd
 - a. A low pressure sanitary sewer extension that will connect to the existing gravity system.
3. Frosty Valley Country Club and Bloom Road: 4784 gpd
 - a. A gravity sewer extension that will connect to the existing gravity system.

The five (5) year flow projection for each of these projects is the same as the planned immediate flow. There is no plan to serve any other areas with these extensions.

Appendix E

Alternative Analysis

Alternative Analysis

1. Red Lane Sewer Extension

- The chosen disposal method is to extend an 8-inch gravity sewer main to serve 9 properties along the north side of Red Lane (near the intersection of Red Lane and Abbey Road).
- The proposed daily flow is 1,872 gallons per day (gpd).
- This method of collection is a planned long-term solution and not a temporary or interim solution.
- The number of equivalent dwelling units (EDU) to be served by this sewer extension is 9.
- The project will serve a residential area that is currently served by on-lot disposal systems.
- The need to provide public sewer service to this residential area is primarily due to the concerns associated with the potential failure of the existing on-lot disposal systems.
- As part of the evaluation of the alternatives to serve the above referenced residences, two types of sewer extension were considered. The first type was a conventional gravity sewer extension. The second type was a low-pressure sewer extension. For construction purposes, both are feasible. However, when the Mahoning Township Authority takes construction bids for the projects, they intend to solicit the low-pressure sewer system bid as an alternate.
- The Mahoning Township Authority will be the owner of the proposed sewer extension. Mahoning Township will be responsible for operating and maintaining the proposed system.

2. Railroad Street Sewer Extension

- The chosen disposal method is to extend a 2-inch low-pressure sewer main to serve 8 properties along the north side of Railroad Street.
- The proposed daily flow is 1,664 gallons per day (gpd).
- This method of collection is a planned long-term solution and not a temporary or interim solution.
- The number of equivalent dwelling units (EDU) to be served by this sewer extension is 8.
- The project will serve a residential area that is currently served by on-lot disposal systems.
- The need to provide public sewer service to this residential area is primarily due to the concerns associated with the potential failure of the existing on-lot disposal systems.
- As part of the evaluation of the alternatives to serve the above referenced residences, two types of sewer extension were considered. The first type

was a conventional gravity sewer extension. The second type was a low-pressure sewer extension. For construction purposes, only the low-pressure system is feasible due to the contours and building elevations along Railroad Street.

- The Mahoning Township Authority will be the owner of the proposed sewer extension. Mahoning Township will be responsible for operating and maintaining the proposed system.

3. Frosty Valley Country Club Sewer Extension

- The chosen disposal method is to extend an 8-inch gravity sewer main to serve the Frosty Valley Country Club and 3 adjacent residential properties along the north side of Bloom Road (east of the intersection of Bloom Road and Kaseville Road).
- The proposed daily flow is 4,784 gallons per day (gpd).
- This method of collection is a planned long-term solution and not a temporary or interim solution.
- The number of equivalent dwelling units (EDU) to be served by this sewer extension is 23.
- The project will serve the facilities at a private golf course and residential area that is currently served by on-lot disposal systems.
- The need to provide public sewer service to this area, primarily originates from a request by the Frosty Valley Country Club to connect to the public sewer system. The connection of adjacent properties is recommended given their proximity to the proposed extension for the Country Club.
- As part of the evaluation of the alternatives to serve the above referenced residences, only one type of extension was considered. This type was a conventional gravity sewer extension. For construction purposes, the gravity collection system is the most feasible option due to the contours and building elevations along Bloom Road.
- The Mahoning Township Authority will be the owner of the proposed sewer extension. Mahoning Township will be responsible for operating and maintaining the proposed system.

Appendix F

Flow Projections

Flow Projections

The immediate flow to be served by each of the proposed sewer extensions is as follows:

1. Red Lane: 1872 gpd
2. Railroad Street: 1664 gpd
3. Frosty Valley Country Club and Bloom Road: 4784 gpd

The five (5) year flow projection for each of these projects is the same as the planned immediate flow. There is no plan to serve any other areas with these extensions.

Appendix G

Institutional Evaluation

Institutional Evaluation

The Mahoning Township Authority, in conjunction with its consulting engineer, will be responsible for preparing the designs for the proposed sewer extensions. The Authority will obtain the necessary construction permits on behalf of Mahoning Township and they will own the facilities. The Township will be responsible for operating and maintaining the facilities.

For those extensions that propose low-pressure sewer systems, the Authority will own the primary low-pressure forcemain and any associated air release valve pits or manholes. The respective property owners will own and maintain the individual grinder pump stations along with the service laterals that extend from the grinder pump stations to the low pressure sewer main.

Appendix H
Cost Opinions

OPINION OF PROBABLE COST



Client:	Mahoning Township Authority	Prepared By:	WLB
Project Name:	Railroad Street Low Pressure Sewer Installation	Checked By:	
Description:	Cost Opinion	Preparation Date:	07/25/07
ARRO Project No.:	5400.70	Date Last Revised:	

Key to Units: AC = Acre EA = Each SF = Square Foot VF = Vertical Foot
 CF = Cubic Foot LF = Linear Foot SY = Square Yard
 CY = Cubic Yard LS = Lump Sum TN = Ton

Item No.	Description	Qty.	Unit	Unit Cost	Total Cost
	Construction Total				\$84,690.00
	Construction Contingency (5%)				\$4,234.50
	Engineering/Inspection/Legal/Admin. (15%)				\$12,703.50
	TOTAL				\$102,000.00

Disclaimer: This cost opinion prepared by ARRO represents its judgment as a design professional and is supplied for the general guidance of the Client. Since ARRO has no control over cost of labor, materials, equipment or services furnished by others, over contractors' methods of determining prices, over costs of financing, acquisition of land or rights-of-way or over competitive bidding, market or negotiating conditions, ARRO does not guarantee that this cost opinion will not vary from actual costs or contractors' bids to the Client. This cost opinion is valid for sixty (60) days from the most recent of the Preparation Date or Date Last Revised, unless there is a known substantive market shift affecting cost (in which case ARRO will advise the Client of such in writing), after which time the cost opinion should be reviewed and revised as necessary prior to any financial decisions being made by the Client.

Assumptions. This cost opinion assumes the following:

- a. Project will be publicly bid (as opposed to privately constructed), and PA Prevailing Minimum Wage Rates will apply.
- b. Cost opinion Total includes soft costs (engineering and permitting, legal, and administrative) as a percentage of the anticipated construction cost.

OPINION OF PROBABLE COST



Client:	Mahoning Township Authority	Prepared By:	WLB
Project Name:	Frosty Valley C.C. Gravity Sewer Installation	Checked By:	
Description:	Cost Opinion	Preparation Date:	07/25/07
ARRO Project No.:	5400.70	Date Last Revised:	

Key to Units: AC = Acre EA = Each SF = Square Foot VF = Vertical Foot
 CF = Cubic Foot LF = Linear Foot SY = Square Yard
 CY = Cubic Yard LS = Lump Sum TN = Ton

Item No.	Description	Qty.	Unit	Unit Cost	Total Cost
	Construction Total				\$69,655.00
	Construction Contingency (5%)				\$3,482.75
	Engineering/Inspection/Legal/Admin. (15%)				\$10,448.25
	TOTAL				\$84,000.00

Disclaimer: This cost opinion prepared by ARRO represents its judgment as a design professional and is supplied for the general guidance of the Client. Since ARRO has no control over cost of labor, materials, equipment or services furnished by others, over contractors' methods of determining prices, over costs of financing, acquisition of land or rights-of-way or over competitive bidding, market or negotiating conditions, ARRO does not guarantee that this cost opinion will not vary from actual costs or contractors' bids to the Client. This cost opinion is valid for sixty (60) days from the most recent of the Preparation Date or Date Last Revised, unless there is a known substantive market shift affecting cost (in which case ARRO will advise the Client of such in writing), after which time the cost opinion should be reviewed and revised as necessary prior to any financial decisions being made by the Client.

Assumptions. This cost opinion assumes the following:

- a. Project will be publicly bid (as opposed to privately constructed), and PA Prevailing Minimum Wage Rates will apply.
- b. Cost opinion Total includes soft costs (engineering and permitting, legal, and administrative) as a percentage of the anticipated construction cost.

OPINION OF PROBABLE COST



Client:	<u>Mahoning Township Authority</u>	Prepared By:	<u>LAD</u>
Project Name:	<u>Red Lane Gravity Sewer Installation</u>	Checked By:	<u></u>
Description:	<u>Cost Opinion</u>	Preparation Date:	<u>07/14/06</u>
ARRO Project No.:	<u>5400.70</u>	Date Last Revised:	<u>08/06/07</u>

Key to Units: AC = Acre EA = Each SF = Square Foot VF = Vertical Foot
 CF = Cubic Foot LF = Linear Foot SY = Square Yard
 CY = Cubic Yard LS = Lump Sum TN = Ton

Item No.	Description	Qty.	Unit	Unit Cost	Total Cost
1	8" Sewer, 0-6 Feet Deep	200	LF	\$50.00	\$10,000.00
2	8" Sewer, 6-8 Feet Deep	1,120	LF	\$55.00	\$61,600.00
3	Manhole Bases	7	EA	\$750.00	\$5,250.00
4	Manhole Walls	52	VF	\$80.00	\$4,160.00
5	Manhole Frames and Covers	7	EA	\$300.00	\$2,100.00
6	8" x 6" Wyes	8	EA	\$40.00	\$320.00
7	6" Laterals	50	LF	\$50.00	\$2,500.00
8	Bored Highway Crossing	1	LS	\$15,000.00	\$15,000.00
9	Connect to Existing Manholes	1	EA	\$2,000.00	\$2,000.00
10	Misc. Stone Backfill (Driveway Crossings)	125	CY	\$15.00	\$1,875.00
11	Concrete Encasement	30	LF	\$50.00	\$1,500.00
12	Seeding	1	LS	\$5,000.00	\$5,000.00
13	Street Repaving	10	SY	\$40.00	\$400.00
14	Driveway Repaving	100	SY	\$25.00	\$2,500.00
15	Replace 15" Storm Pipes	120	LF	\$30.00	\$3,600.00
16	Replace Headwall	1	LS	\$1,000.00	\$1,000.00
17	Right-of-Way Acquisition	120	LF	\$5.00	\$600.00

OPINION OF PROBABLE COST



Client:	Mahoning Township Authority	Prepared By:	LAD
Project Name:	Red Lane Gravity Sewer Installation	Checked By:	
Description:	Cost Opinion	Preparation Date:	07/14/06
ARRO Project No.:	5400.70	Date Last Revised:	08/06/07

Key to Units: AC = Acre EA = Each SF = Square Foot VF = Vertical Foot
 CF = Cubic Foot LF = Linear Foot SY = Square Yard
 CY = Cubic Yard LS = Lump Sum TN = Ton

Item No.	Description	Qty.	Unit	Unit Cost	Total Cost
	Construction Total				\$119,405.00
	Construction Contingency (5%)				\$5,970.25
	Engineering/Inspection/Legal/Admin. (15%)				\$17,910.75
	TOTAL				\$143,000.00

Disclaimer: This cost opinion prepared by ARRO represents its judgment as a design professional and is supplied for the general guidance of the Client. Since ARRO has no control over cost of labor, materials, equipment or services furnished by others, over contractors' methods of determining prices, over costs of financing, acquisition of land or rights-of-way or over competitive bidding, market or negotiating conditions, ARRO does not guarantee that this cost opinion will not vary from actual costs or contractors' bids to the Client. This cost opinion is valid for sixty (60) days from the most recent of the Preparation Date or Date Last Revised, unless there is a known substantive market shift affecting cost (in which case ARRO will advise the Client of such in writing), after which time the cost opinion should be reviewed and revised as necessary prior to any financial decisions being made by the Client.

Assumptions. This cost opinion assumes the following:

- a. Project will be publicly bid (as opposed to privately constructed), and PA Prevailing Minimum Wage Rates will apply.
- b. Cost opinion Total includes soft costs (engineering and permitting, legal, and administrative) as a percentage of the anticipated construction cost.

OPINION OF PROBABLE COST



Client:	Mahoning Township Authority	Prepared By:	LAD
Project Name:	Red Lane Low Pressure Sewer Installation	Checked By:	
Description:	Cost Opinion	Preparation Date:	07/24/06
ARRO Project No.:	5400.70	Date Last Revised:	08/06/07

Key to Units:	AC = Acre	EA = Each	SF = Square Foot	VF = Vertical Foot
	CF = Cubic Foot	LF = Linear Foot	SY = Square Yard	
	CY = Cubic Yard	LS = Lump Sum	TN = Ton	

Item No.	Description	Qty.	Unit	Unit Cost	Total Cost
	Construction Total				\$110,950.00
	Construction Contingency (5%)				\$5,547.50
	Engineering/Inspection/Legal/Admin. (15%)				\$16,642.50
	TOTAL				\$133,000.00

Disclaimer: This cost opinion prepared by ARRO represents its judgment as a design professional and is supplied for the general guidance of the Client. Since ARRO has no control over cost of labor, materials, equipment or services furnished by others, over contractors' methods of determining prices, over costs of financing, acquisition of land or rights-of-way or over competitive bidding, market or negotiating conditions, ARRO does not guarantee that this cost opinion will not vary from actual costs or contractors' bids to the Client. This cost opinion is valid for sixty (60) days from the most recent of the Preparation Date or Date Last Revised, unless there is a known substantive market shift affecting cost (in which case ARRO will advise the Client of such in writing), after which time the cost opinion should be reviewed and revised as necessary prior to any financial decisions being made by the Client.

Assumptions. This cost opinion assumes the following:

- a. Project will be publicly bid (as opposed to privately constructed), and PA Prevailing Minimum Wage Rates will apply.
- b. Cost opinion Total includes soft costs (engineering and permitting, legal, and administrative) as a percentage of the anticipated construction cost.

Appendix J

PHMC 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



March 8, 2007

William L. Bohner, Jr., P.E.
The ARRO Group, Inc.
649 North Lewis Road, Suite 100
Limerick, PA 19468-1234

Re: File No. ER 07-0992-093-A
DEP 537 PROGRAM: Act 537 Planning; Component
3m, Red Lane Sewer Extension Project, Mahoning
Twp., Montour Co.

Dear Mr. Bohner:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988). This review includes comments on the project's potential effect on both historic and archaeological resources.

PROJECT UNLIKELY TO AFFECT ARCHAEOLOGICAL OR HISTORICAL RESOURCES

Based on our survey files, which include both archaeological sites and standing structures, there are no National Register eligible or listed historic or archaeological properties in the area of this proposed project.

Therefore, your responsibility for consultation for this project is complete. However, should you encounter archaeological resources during construction, you must stop the project, notify the Bureau for Historic Preservation at (717) 783-8946 as well as the Department of Environmental Resources and allow the Bureau 60 days to conduct a survey to determine the significance of the archaeological resources. If the Bureau determines that the resources are significant, you must submit a mitigation plan to protect the significant resources on the site. We will review the plan within 30 days.

Sincerely,

Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: DEP, Northcentral Regional Office

DCM/tmw



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



August 13, 2007

William L. Bohner, Jr., P.E.
The ARRO Group, Inc.
649 North Lewis Road, Suite 100
Limerick, PA 19468-1234

NO EXHIBIT REFERENCE
BHP REFERENCE NUMBER

Re: File No. ER 91-2093-093-C
DEP 537 PROGRAM: Act 537 Planning;
Component 3m, Railroad Street Sewer Extension
Mahoning Twp., Montour Co.

Dear Mr. Bohner:

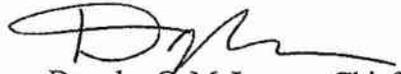
The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988). This review includes comments on the project's potential effect on both historic and archaeological resources.

There may be historic buildings/structures/districts/objects 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 scope and/or nature of the project activities change, the Bureau for Historic Preservation should be contacted immediately.

In our opinion no archaeological investigations are necessary in this project area.

If you need further information in this matter please consult Ann Safley at (717) 787-9121.

Sincerely,

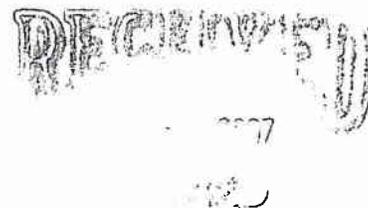

Douglas C. McLearen, Chief
Division of Archaeology &
Protection

Cc: DEP, Northcentral Regional Office

DCM/tmw



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



August 3, 2007

William L. Bohner, Jr., P.E.
The ARRO Group, Inc.
649 North Lewis Road, Suite 100
Limerick, PA 19468-1234

TO EXPEDITE REVIEW USE
RHP REFERENCE NUMBER

Re: File No. ER 07-2179-093-A
DEP 537 PROGRAM: Act 537 Planning;
Component 3m, Frosty Valley Country
Club/Bloom Road Sewer Extension
Mahoning Twp., Montour Co.

Dear Mr. Bohner:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988). This review includes comments on the project's potential effect on 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.

The properties listed below, listed in or eligible for the National Register of Historic Places, are located near the project area. In our opinion, the activity described in your proposal will have no effect on such resources. Should the applicant become aware, from any source, that unidentified historic or archaeological properties 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.

St. Cyrils Academy

Page 2
August 3, 2007
William L. Bohner, Jr., P.E.

If you need further information regarding archaeological survey please contact Steve McDougal at (717) 772-0923. If you need further information concerning historic structures please consult Ann Safley at (717) 787-9121.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: DEP, Northcentral Regional Office

DCM/tmw



July 25, 2007

Pennsylvania Historical and Museum
Commission
Bureau of Historic Preservation
400 North Street
Second Floor
Harrisburg, PA 17120-0093

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The ARRO Group, Inc.

ARRO Consulting, Inc.

*ARRO Environmental
Services, Inc.*

RE: Mahoning Township;
Act 537 Plan Update; Component 3m PHMC Review
ARRO # 5400.70

649 North Lewis Road

Suite 100

Limerick, PA 19468-1234

610.495.0303

Fax: 610.495.5855

info@thearrogroup.com

www.thearrogroup.com

Dear Historical and Museum Commission:

On behalf of Mahoning Township and the Mahoning Township Authority, we are assisting with the preparation of an Act 537 Plan Minor Update Revision (Component 3m) to establish the planning requirements necessary for the extension of public sewer service to the Frosty Valley Country Club and residents along Bloom Road in Mahoning Township.

Enclosed, for your review, is the Cultural Resource Notification form and the Danville 7.5 Minute Quadrangle identifying the location of the proposed sewer extension. It is planned that a new gravity sewer main shall be extended from an existing 8-inch gravity main across and along the edge of Bloom Road for a distance of nearly 600 feet. The projected area to be disturbed for the purposes of installing the sewer main is approximately 0.11 acres. Refer to the attached 8.5" x 11" sheet showing the proposed sewer extension. No structures are planned to be disturbed as a result of implementing the planned alternative.

Please review this documentation and provide us with any comments or concerns that you may have at your earliest convenience. If you have any questions, please do not hesitate to call me at 610-495-2102.

Sincerely,

William L. Bohner, Jr., P.E.
Project Engineer

WLB:car

Enclosure

H:\Mahoning\5400.70\PHMC\tr2.doc

ENGINEERING
CONSULTING
OPERATIONS



DEP USE ONLY
Date Received

CULTURAL RESOURCE NOTICE

Read the instructions before completing this form.

SECTION A. APPLICANT IDENTIFIER

Applicant Name Mahoning Township Authority

Street Address 1101 Bloom Road

City Danville State PA Zip 17821

Telephone Number 570-275-1132

Project Title Railroad Street Sewer Extension

SECTION B. LOCATION OF PROJECT

Municipality Mahoning Township County Name Montour DEP County Code 47

SECTION C. PERMITS OR APPROVALS

Name of Specific DEP Permit or Approval Requested: Act 537 Planning; Component 3m

Anticipated federal permits:

- Surface Mining
- Army Corps of Engineers
- 401 Water Quality Certification
- 404 Water Quality Permit
- Federal Energy Regulatory Commission
- Other: None

SECTION D. GOVERNMENT FUNDING SOURCES

- State: (Name) _____
- Federal: (Name) _____
- Local: (Name) _____
- Other: (Name) Mahoning Township

SECTION E. RESPONSIBLE DEP REGIONAL, CENTRAL, DISTRICT MINING or OIL & GAS MGMT OFFICE

- DEP Regional Office Responsible for Review of Permit Application Central Office (Harrisburg)
- Southeast Regional Office (Norristown)
 - Southcentral Regional Office (Harrisburg)
 - Southwest Regional Office (Pittsburgh)
 - District Mining Office: _____
 - Northeast Regional Office (Wilkes-Barre)
 - Northcentral Regional Office (Williamsport)
 - Northwest Regional Office (Meadville)
 - Oil & Gas Office: _____

SECTION F. RESPONSIBLE COUNTY CONSERVATION DISTRICT, if applicable.

County Conservation District Montour County Conservation District Telephone Number, if known 570-271-1140

SECTION G. CONSULTANT

Consultant, if applicable ARRO Consulting, Inc. c/o William L. Bohner, Jr., P.E.

Street Address 649 N. Lewis Road; Suite 100

City Limerick State PA Zip 19468

Telephone Number 610-495-2102

SECTION H. PROJECT BOUNDARIES AND DESCRIPTION

REQUIRED

Indicate the total acres in the property under review. Of this acreage, indicate the total acres of earth disturbance for the proposed activity.

Attach a 7.5' U.S.G.S. Map indicating the defined boundary of the proposed activity.

Attach photographs of any building over 50 years old. Indicate what is to be done to all buildings in the project area.

Attach a narrative description of the proposed activity.

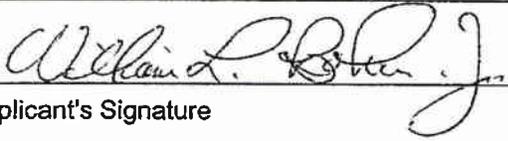
Attach the return receipt of delivery of this notice to the Pennsylvania Historical and Museum Commission.

REQUESTED

Attach photographs of any building over 40 years old.

Attach site map, if available.

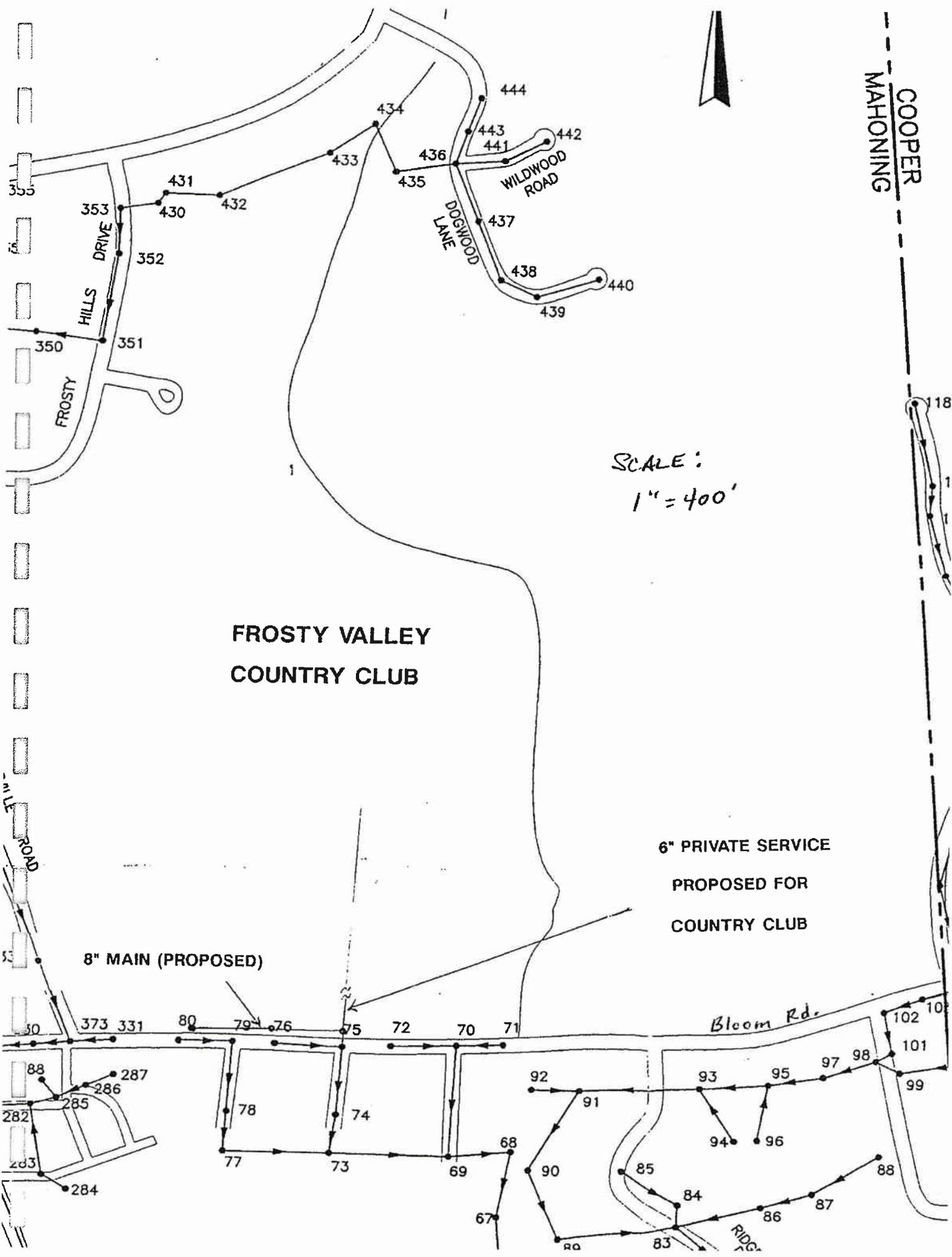
SECTION I. SIGNATURE BLOCK



Applicant's Signature

7/24/07

Date of Submission of Notice to PHMC



**FROSTY VALLEY
COUNTRY CLUB**

SCALE:
1" = 400'

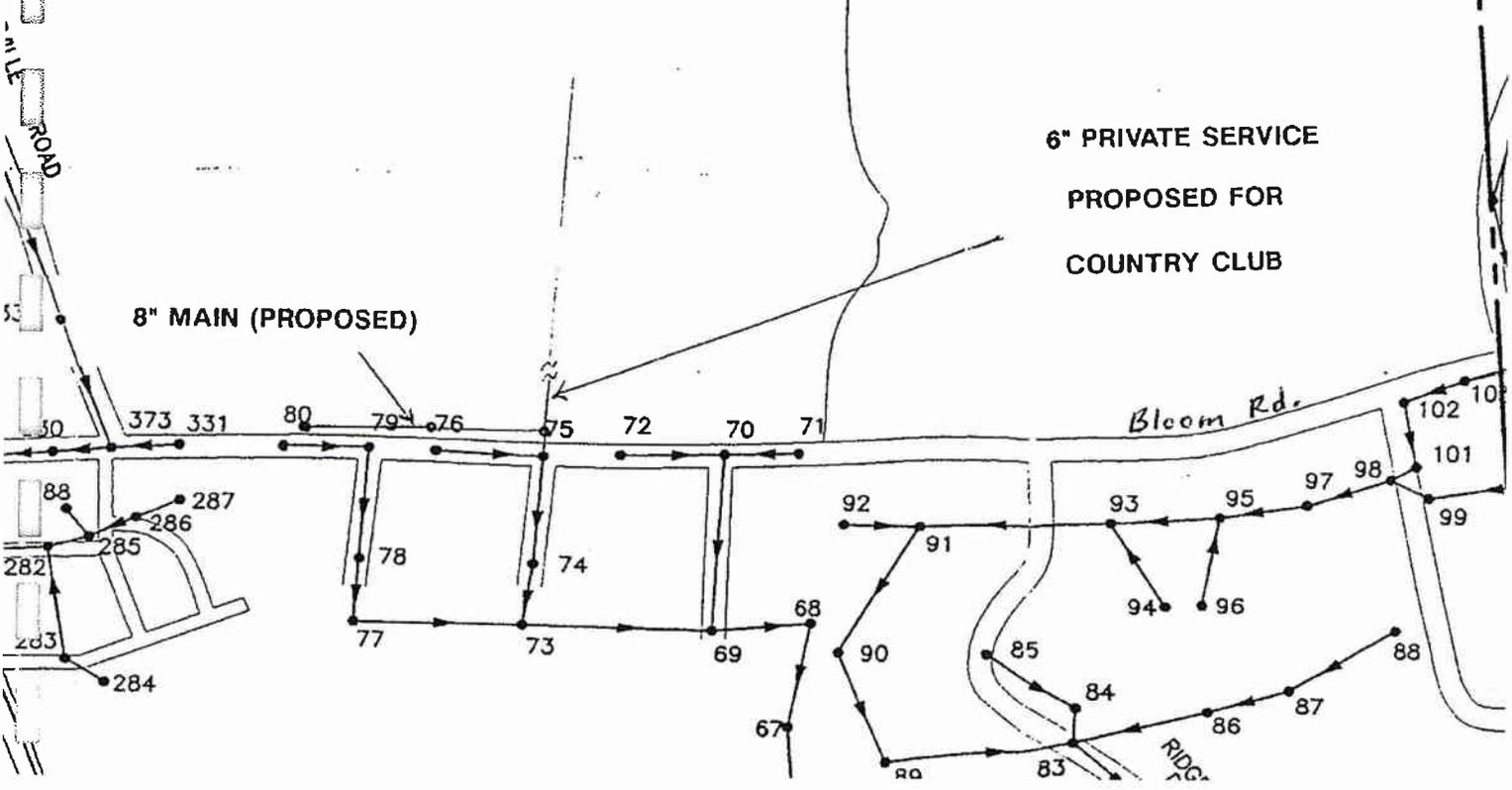
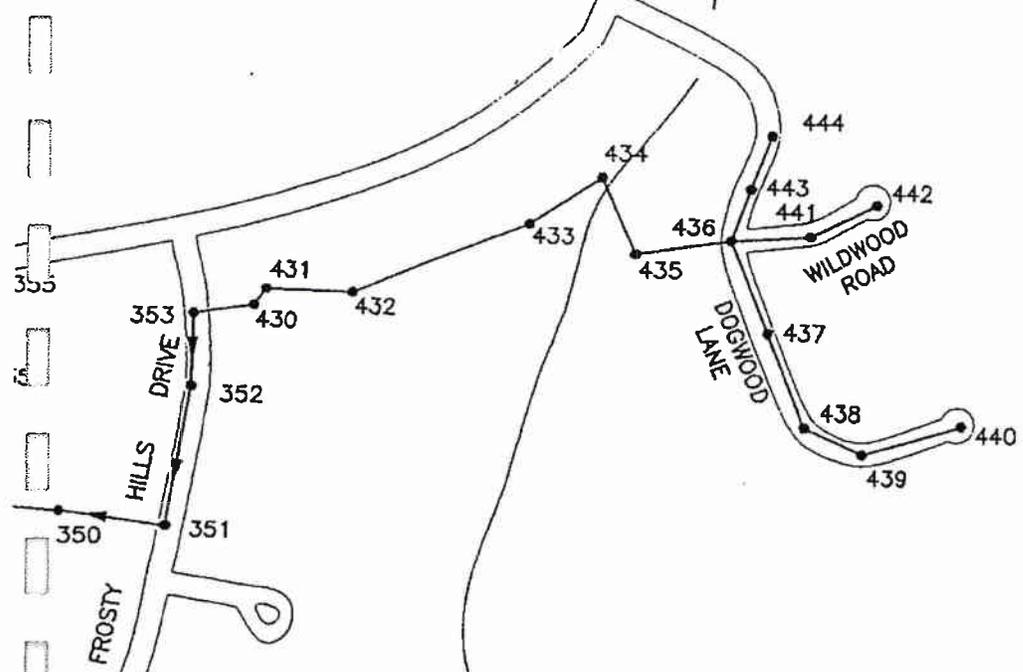
**6" PRIVATE SERVICE
PROPOSED FOR
COUNTRY CLUB**

8" MAIN (PROPOSED)

COOPER
MAHONING

Bloom Rd.

RIDGE
RD.



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

PA HISTORICAL AND
MUSEUM COMMISSION
400 NORTH STREET, 2ND FLOOR
HARRISBURG PA 17120

2. Article Number

(Transfer from service label)

7006 0100 0006 9087 1760

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

- Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

JUL 30 2007

D. Is delivery address different from item 1?

If YES, enter delivery address below:

- Yes
 No

3. Service Type

- Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

- Yes

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

7006 0100 0006 9087 1760

Postage	\$.92
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total P	\$ 5.72

[Handwritten Signature]
Postmark Here

Sent To
Street /
or P.O.B
City, St

PA HISTORICAL AND
MUSEUM COMMISSION
400 NORTH STREET, 2ND FLOOR
HARRISBURG PA 17120

PS Form 3800, June 2002

Instructions



July 25, 2007

Pennsylvania Historical and Museum
Commission
Bureau of Historic Preservation
400 North Street
Second Floor
Harrisburg, PA 17120-0093

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The ARRO Group, Inc.

ARRO Consulting, Inc.

*ARRO Environmental
Services, Inc.*

RE: Mahoning Township;
Act 537 Plan Update; Component 3m PHMC Review
ARRO # 5400.70

649 North Lewis Road

Suite 100

Limerick, PA 19468-1234

610.495.0303

Fax: 610.495.5855

info@thearrogroup.com

www.thearrogroup.com

Dear Historical and Museum Commission:

On behalf of Mahoning Township and the Mahoning Township Authority, we are assisting with the preparation of an Act 537 Plan Minor Update Revision (Component 3m) to establish the planning requirements necessary for the extension of public sewer service to residents along Railroad Street in Mahoning Township.

Enclosed, for your review, is the Cultural Resource Notification form and the Danville 7.5 Minute Quadrangle identifying the location of the proposed sewer extension. It is planned that a new low-pressure sewer main shall be extended from an existing 8-inch gravity main across and along the edge of Railroad Street for a distance of nearly 1000 feet. The projected area to be disturbed for the purposes of installing the sewer main is approximately 0.14 acres. Refer to the attached 8.5" x 11" sheet showing the proposed sewer extension. No structures are planned to be disturbed as a result of implementing the planned alternative.

Please review this documentation and provide us with any comments or concerns that you may have at your earliest convenience. If you have any questions, please do not hesitate to call me at 610-495-2102.

Sincerely,

William L. Bohner, Jr., P.E.
Project Engineer

WLB:car

Enclosure



DEP USE ONLY
Date Received

CULTURAL RESOURCE NOTICE

Read the instructions before completing this form.

SECTION A. APPLICANT IDENTIFIER

Applicant Name Mahoning Township Authority

Street Address 1101 Bloom Road

City Danville State PA Zip 17821

Telephone Number 570-275-1132

Project Title Frosty Valley Country Clube/Bloom Road Sewer Extension

SECTION B. LOCATION OF PROJECT

Municipality Mahoning Township County Name Montour DEP County Code 47

SECTION C. PERMITS OR APPROVALS

Name of Specific DEP Permit or Approval Requested: Act 537 Planning; Component 3m

Anticipated federal permits:

- | | |
|--|---|
| <input type="checkbox"/> Surface Mining | <input type="checkbox"/> 404 Water Quality Permit |
| <input type="checkbox"/> Army Corps of Engineers | <input type="checkbox"/> Federal Energy Regulatory Commission |
| <input type="checkbox"/> 401 Water Quality Certification | <input checked="" type="checkbox"/> Other: <u>None</u> |

SECTION D. GOVERNMENT FUNDING SOURCES

- | | |
|--|--|
| <input type="checkbox"/> State: (Name) _____ | <input type="checkbox"/> Local: (Name) _____ |
| <input type="checkbox"/> Federal: (Name) _____ | <input checked="" type="checkbox"/> Other: (Name) <u>Mahoning Township</u> |

SECTION E. RESPONSIBLE DEP REGIONAL, CENTRAL, DISTRICT MINING or OIL & GAS MGMT OFFICE

- DEP Regional Office Responsible for Review of Permit Application Central Office (Harrisburg)
- | | |
|--|---|
| <input type="checkbox"/> Southeast Regional Office (Norrstown) | <input type="checkbox"/> Northeast Regional Office (Wilkes-Barre) |
| <input type="checkbox"/> Southcentral Regional Office (Harrisburg) | <input checked="" type="checkbox"/> Northcentral Regional Office (Williamsport) |
| <input type="checkbox"/> Southwest Regional Office (Pittsburgh) | <input type="checkbox"/> Northwest Regional Office (Meadville) |
| <input type="checkbox"/> District Mining Office: _____ | <input type="checkbox"/> Oil & Gas Office: _____ |

SECTION F. RESPONSIBLE COUNTY CONSERVATION DISTRICT, if applicable.

County Conservation District _____ Telephone Number, if known _____

Montour County Conservation District 570-271-1140

SECTION G. CONSULTANT

Consultant, if applicable ARRO Consulting, Inc. c/o William L. Bohner, Jr., P.E.

Street Address 649 N. Lewis Road; Suite 100

City Limerick State PA Zip 19468

Telephone Number 610-495-2102

SECTION H. PROJECT BOUNDARIES AND DESCRIPTION

REQUIRED

Indicate the total acres in the property under review. Of this acreage, indicate the total acres of earth disturbance for the proposed activity.

Attach a 7.5' U.S.G.S. Map indicating the defined boundary of the proposed activity.

Attach photographs of any building over 50 years old. Indicate what is to be done to all buildings in the project area.

Attach a narrative description of the proposed activity.

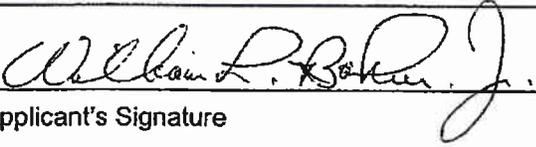
Attach the return receipt of delivery of this notice to the Pennsylvania Historical and Museum Commission.

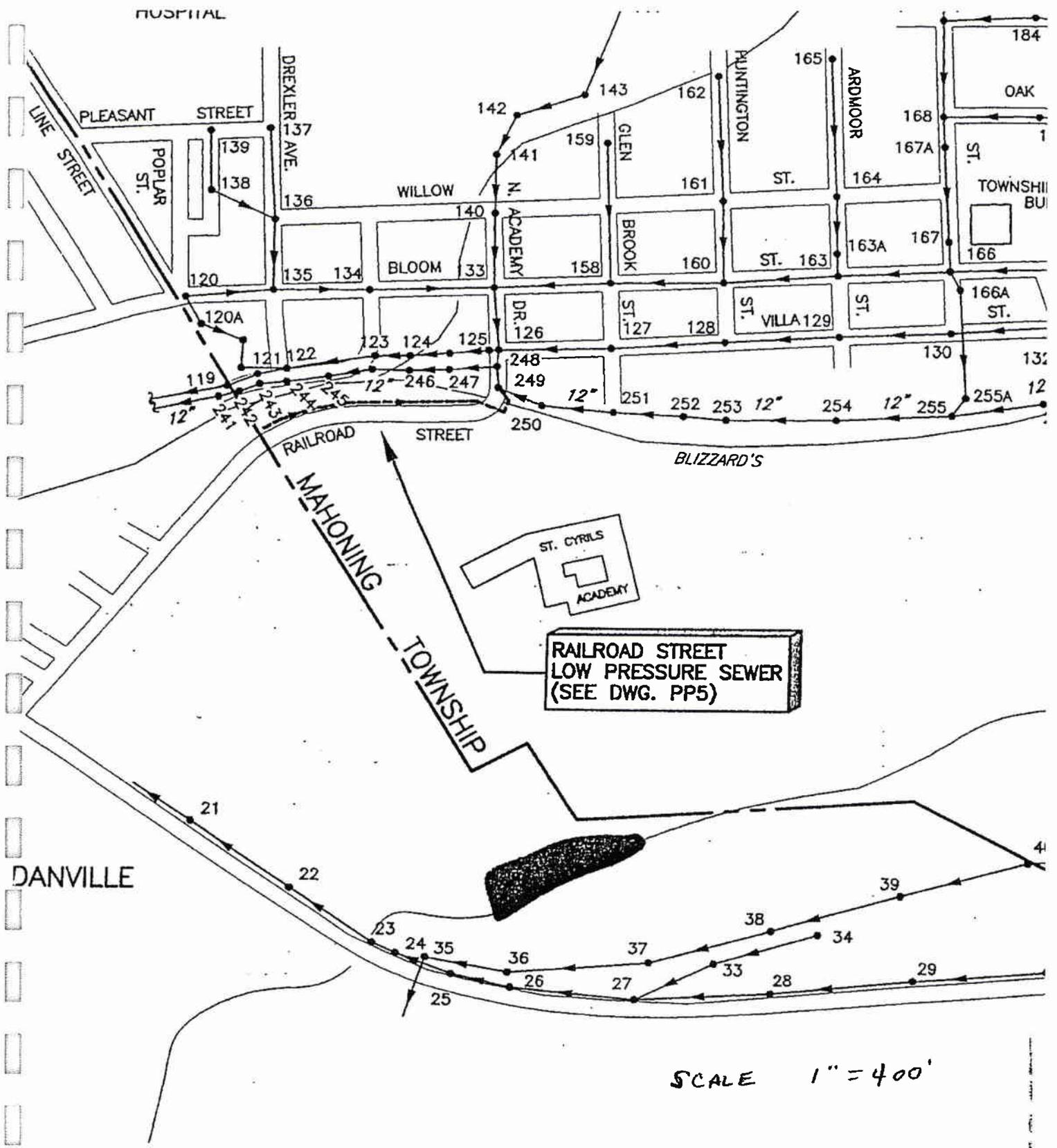
REQUESTED

Attach photographs of any building over 40 years old.

Attach site map, if available.

SECTION I. SIGNATURE BLOCK

 Applicant's Signature	7/24/07 Date of Submission of Notice to PHMC
--	---



1	ISSUED FOR CONST
0	ISSUED FOR B
A	ISSUED FOR CLIENT & REGI

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____</p> <p>C. Date of Delivery JUL 30 2007</p>
<p>1. Article Addressed to:</p> <p>PA HISTORICAL AND MUSEUM COMMISSION 400 NORTH STREET, 2ND FLOOR HARRISBURG PA 17120</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: _____</p>
<p>2. Article Number _____ (Transfer from service label)</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>7006 0100 0006 9087 1753</p>	

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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Sent To: PA HISTORICAL AND MUSEUM COMMISSION
400 NORTH STREET, 2ND FLOOR
HARRISBURG PA 17120

PS Form _____



February 12, 2007

Pennsylvania Historical and Museum
Commission
Bureau of Historic Preservation
400 North Street
Second Floor
Harrisburg, PA 17120-0093

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The ARRO Group, Inc.

ARRO Consulting, Inc.

*ARRO Environmental
Services, Inc.*

RE: Mahoning Township;
Act 537 Plan Update; Component 3m
PHMC Review
ARRO # 5400.68

649 North Lewis Road

Suite 100

Limerick, PA 19468-1234

610.495.0303

Fax: 610.495.5855

Dear Historical and Museum Commission:

info@thearrogroup.com

On behalf of Mahoning Township and the Mahoning Township Authority, we are assisting with the preparation of an Act 537 Plan Minor Update Revision (Component 3m) to establish the planning requirements necessary for the extension of public sewer service to residents along Red Lane in Mahoning Township.

www.thearrogroup.com

Enclosed, for your review, is the Cultural Resource Notification form and the Danville 7.5 Minute Quadrangle identifying the location of the proposed sewer extension. It is planned that a new 8-inch sewer main shall be extended from an existing 8-inch main across and along the edge of Red Lane for a distance of nearly 1370 feet. The projected area to be disturbed for the purposes of installing the sewer main is approximately 0.25 acres. Refer to the enclosed 8.5" x 11" sheet showing the proposed sewer extension. No structures are planned to be disturbed as a result of implementing the planned alternative.

Please review this documentation and provide us with any comments or concerns that you may have at your earliest convenience. If you have any questions, please do not hesitate to call me at 610-495-2102.

Sincerely,

William L. Bohner, Jr., P.E.
Project Engineer

WLB:car

enclosures

ENGINEERING

CONSULTING

OPERATIONS



CULTURAL RESOURCE NOTICE

DEP USE ONLY
Date Received

Read the instructions before completing this form.

SECTION A. APPLICANT IDENTIFIER

Applicant Name Mahoning Township Authority

Street Address 1101 Bloom Road

City Danville State PA Zip 17821

Telephone Number 570-275-1132

Project Title Red Lane Sewer Extension Project

SECTION B. LOCATION OF PROJECT

Municipality Mahoning Township County Name Montour DEP County Code 47

SECTION C. PERMITS OR APPROVALS

Name of Specific DEP Permit or Approval Requested: Act 537 Planning; Component 3m

Anticipated federal permits:

- Surface Mining 404 Water Quality Permit
- Army Corps of Engineers Federal Energy Regulatory Commission
- 401 Water Quality Certification Other: None

SECTION D. GOVERNMENT FUNDING SOURCES

- State: (Name) _____ Local: (Name) _____
- Federal: (Name) _____ Other: (Name) Mahoning Township

SECTION E. RESPONSIBLE DEP REGIONAL, CENTRAL, DISTRICT MINING or OIL & GAS MGMT OFFICE

- DEP Regional Office Responsible for Review of Permit Application Central Office (Harrisburg)
- Southeast Regional Office (Conshohocken) Northeast Regional Office (Wilkes-Barre)
- Southcentral Regional Office (Harrisburg) Northcentral Regional Office (Williamsport)
- Southwest Regional Office (Pittsburgh) Northwest Regional Office (Meadville)
- District Mining Office: _____ Oil & Gas Office: _____

SECTION F. RESPONSIBLE COUNTY CONSERVATION DISTRICT, if applicable.

County Conservation District _____ Telephone Number, if known _____

Montour County Conservation District 570-271-1140

SECTION G. CONSULTANT

Consultant, if applicable ARRO Consulting, Inc c/o William L. Bohner, Jr., P.E.

Street Address 649 N. Lewis Road; Suite 100

City Limerick State PA Zip 19468

Telephone Number 610-495-2102

SECTION H. PROJECT BOUNDARIES AND DESCRIPTION

REQUIRED

Indicate the total acres in the property under review. Of this acreage, indicate the total acres of earth disturbance for the proposed activity.

Attach a 7.5' U.S.G.S. Map indicating the defined boundary of the proposed activity.

Attach photographs of any building over 50 years old. Indicate what is to be done to all buildings in the project area.

Attach a narrative description of the proposed activity.

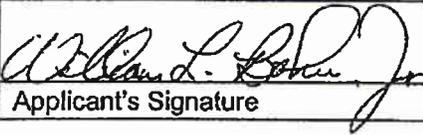
Attach the return receipt of delivery of this notice to the Pennsylvania Historical and Museum Commission.

REQUESTED

Attach photographs of any building over 40 years old.

Attach site map, if available.

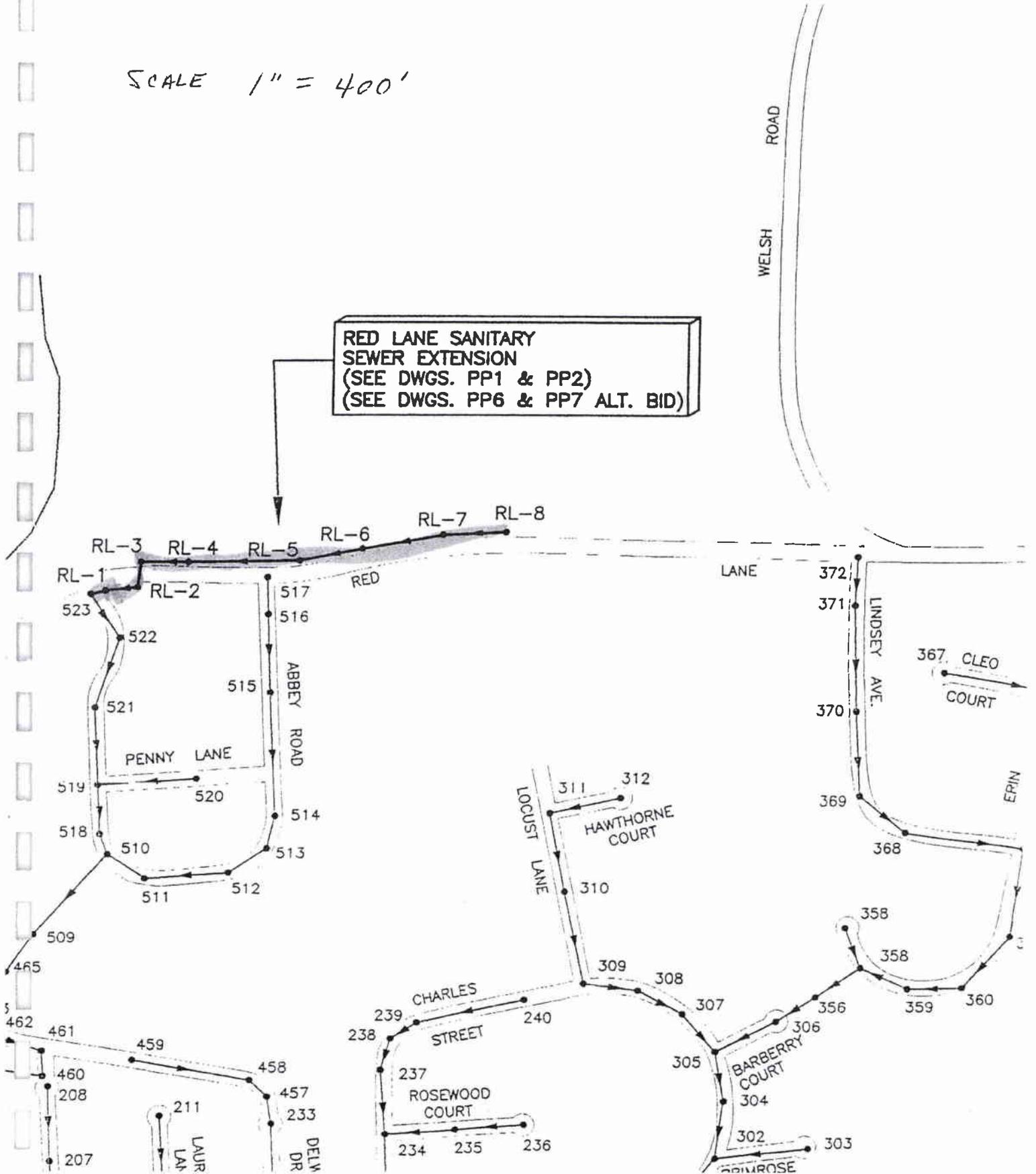
SECTION I. SIGNATURE BLOCK


Applicant's Signature

2/12/07
Date of Submission of Notice to PHMC

SCALE 1" = 400'

RED LANE SANITARY
SEWER EXTENSION
(SEE DWGS. PP1 & PP2)
(SEE DWGS. PP6 & PP7 ALT. BID)



Appendix K

PNDI Correspondence

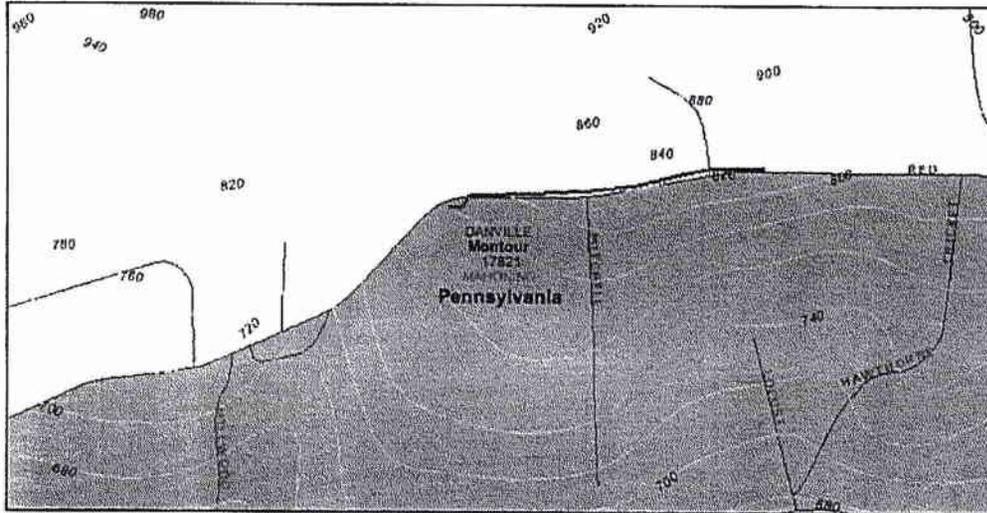
PNDI Project Environmental Review Receipt

Project Search ID: 20080116124450

Project Name: Red Lane Sewer Main Extension

Date: 1/16/2008 1:12:18 PM

Project Location



Project Name: Red Lane Sewer Main Extension

On Behalf Of: Local Government

Project Search ID: 20080116124450

Date: 1/16/2008 1:12:11 PM

of Potential Impacts: 0

Jurisdictional Agency:

Project Category: Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewage module/Act 537 plan

Project Location

Decimal Degrees: 40.97577 N, -76.58804 W

Degrees Minutes Seconds: 40° 58' 32.8" N, 76° 35' 17" W

Lambert: 389156.95517661, 722892.01384293 ft

ZIP Code: 17821

County: Montour

Township/Municipality: MAHONING

USGS 7.5 Minute Quadrangle ID: 592

Quadrangle Name: DANVILLE

Project Length: 1369.1 feet

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

0 Known Impacts

Under the Following Agencies' Jurisdiction:
None

PNDI Project Environmental Review Receipt

Project Search ID: 20080116124450

Project Name: Red Lane Sewer Main Extension

Date: 1/16/2008 1:12:18 PM

Pennsylvania Natural Diversity Inventory (PNDI) records do NOT indicate any known impacts on special concern species and resources within the project area. DEP requires a signed copy of this receipt with permit applications being submitted as indication that an environmental review has been conducted and completed. See DEP PNDI policy at www.naturalheritage.state.pa.us for more information.

Based on the information you provided, no further coordination is required by the Pennsylvania Game Commission, the Pennsylvania Fish and Boat Commission, or the Pennsylvania Department of Conservation and Natural Resources with regard to special concern species, natural communities, or outstanding geologic features. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.* is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

These determinations were based on the project-specific information you

provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one(1) year from the date of this PNDI Project Environmental Review Receipt.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

The web site is intended solely for the purpose of screening projects for potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following: Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. Â§ 1030; Pennsylvania Crimes Code, Â§ 4911 (tampering with public records or information), Â§ 7611 (unlawful use of computer and other computer crimes), Â§ 7612 (disruption of service), Â§ 7613 (computer theft), Â§ 7614 (unlawful duplication), and Â§ 7615 (computer trespass).

PNDI Project Environmental Review Receipt

Project Search ID: 20080116124450

Project Name: Red Lane Sewer Main Extension

Date: 1/16/2008 1:12:18 PM

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes—see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

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

Signature: William L. Bohner, Jr.
Date: 1/16/08

Project applicant on whose behalf this search was conducted:

APPLICANT

Contact Name: Mahoning Township Authority
Address: 1101 Bloom Road
City, State, Zip: Danville, PA 17821
Phone: 570-275-1132
Email: _____

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: William L. Bohner, Jr.
APRO Consulting, Inc.
Address: 649 N. Lewis Road
City, State, Zip: Limerick, PA 19468
Phone: 610-495-2102
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.



PNDI Project Environmental Review Receipt

Project Search ID: 20080116124450

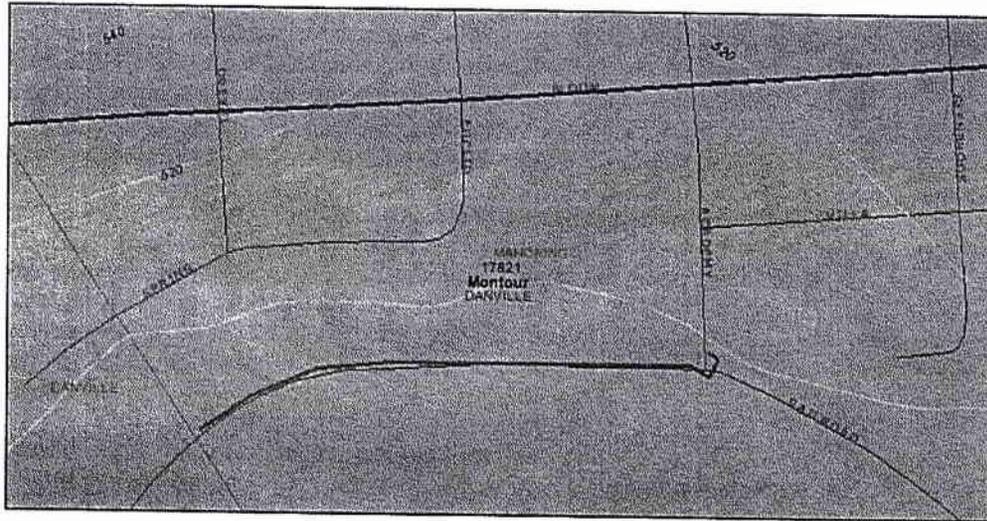
Project Name: Red Lane Sewer Main Extension

Date: 1/16/2008 1:12:18 PM

PNDI Project Environmental Review Receipt

Project Search ID: 20070711100108
Project Name: Railroad Street Sewer Ext.
Date: 7/11/2007 10:52:21 AM

Project Location



Project Name: Railroad Street Sewer Ext.

On Behalf Of: Local Government

Project Search ID: 20070711100108

Date: 7/11/2007 10:52:04 AM

of Potential Impacts: 0

Jurisdictional Agency:

Project Category: Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewage module/Act 537 plan

Project Location

Decimal Degrees: 40.96383 N, -76.60599 W

Degrees Minutes Seconds: 40° 57' 49.8" N, 76° 36' 21.6" W

Lambert: 385169.33806287, 718595.99393939 ft

ZIP Code: 17821

County: Montour

Township/Municipality: MAHONING

USGS 7.5 Minute Quadrangle ID: 592

Quadrangle Name: DANVILLE

Project Length: 762.1 feet

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

0 Known Impacts

Under the Following Agencies' Jurisdiction:
None

PNDI Project Environmental Review Receipt

Project Search ID: 20070711100108
Project Name: Railroad Street Sewer Ext.
Date: 7/11/2007 10:52:21 AM

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes—see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

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

Signature: William L. Bohner, Jr.
Date: 7/11/07

Project applicant on whose behalf this search was conducted:

APPLICANT

Contact Name: Mahoning Township Authority
Address: 1101 Bloom Road
City, State, Zip: Danville, PA 17821
Phone: 570-275-1132
Email: _____

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: William L. Bohner, Jr.
Address: ARCO Consulting Inc
649 N. Lewis Road
City, State, Zip: Limerick, PA 19468
Phone: 610-495-2102
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

PNDI Project Environmental Review Receipt

Project Search ID: 20070711100108
Project Name: Railroad Street Sewer Ext.
Date: 7/11/2007 10:52:21 AM

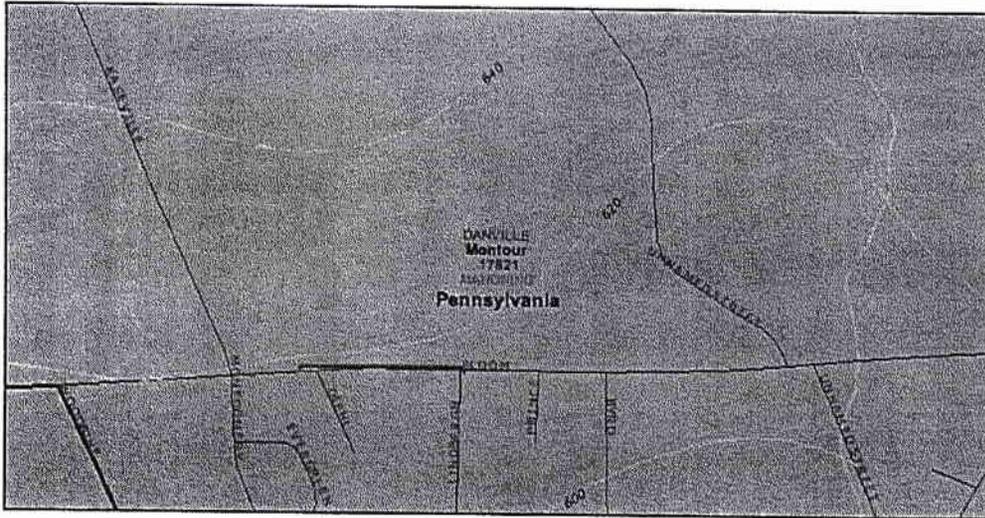
PNDI Project Environmental Review Receipt

Project Search ID: 20070711100120

Project Name: Frosty Valley Country Club/Bloom Road Sewer Ext.

Date: 7/11/2007 11:08:02 AM

Project Location



Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

0 Known Impacts

Under the Following Agencies' Jurisdiction:
None

Project Name: Frosty Valley Country Club/Bloom Road Sewer Ext.

On Behalf Of: Local Government

Project Search ID: 20070711100120

Date: 7/11/2007 11:07:44 AM

of Potential Impacts: 0

Jurisdictional Agency:

Project Category: Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewage module/Act 537 plan

Project Location

Decimal Degrees: 40.96775 N, -76.57768 W

Degrees Minutes Seconds: 40° 58' 3.9" N, 76° 34' 39.7" W

Lambert: 392982.50000000, 720092.78481013 ft

ZIP Code: 17821

County: Montour

Township/Municipality: MAHONING

USGS 7.5 Minute Quadrangle ID: 592

Quadrangle Name: DANVILLE

Project Length: 424.9 feet

PNDI Project Environmental Review Receipt

Project Search ID: 20070711100120

Project Name: Frosty Valley Country Club/Bloom Road Sewer Ext.

Date: 7/11/2007 11:08:02 AM

Pennsylvania Natural Diversity Inventory (PNDI) records do **NOT** indicate any known impacts on special concern species and resources within the project area. DEP requires a signed copy of this receipt with permit applications being submitted as indication that an environmental review has been conducted and completed. See DEP PNDI policy at www.naturalheritage.state.pa.us for more information.

Based on the information you provided, no further coordination is required by the Pennsylvania Game Commission, the Pennsylvania Fish and Boat Commission, or the Pennsylvania Department of Conservation and Natural Resources with regard to special concern species, natural communities, or outstanding geologic features. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.* is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

These determinations were based on the project-specific information you

provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one(1) year from the date of this PNDI Project Environmental Review Receipt.

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PNDI Project Environmental Review Receipt

Project Search ID: 20070711100120

Project Name: Frosty Valley Country Club/Bloom Road Sewer Ext.

Date: 7/11/2007 11:08:02 AM

Appendix L

County Planning Commission Comments



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

DEP Code # _____

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

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

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

Project Name

Mahoning Township; Red Lane Sewer Extension; Railroad Street Sewer Extension; Bloom Road/Frosty Valley Country Club Sewer Extension

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

1. Date plan received by county planning agency. 10/15/07
2. Date plan received by planning agency with areawide jurisdiction 10/15/07
Agency name MONTOUR COUNTY PLANNING COMMISSION
112 WOODBINE LANE, SUITE 3
DANVILLE, PA 17821-9118
3. Date review completed by agency 10/15/07

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

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

Yes	No	SECTION C. AGENCY REVIEW (continued)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Is there a county or areawide subdivision and land development ordinance?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Does this proposal meet the requirements of the ordinance? If no, describe which requirements are not met _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this proposal consistent with the municipal Act 537 Official Sewage Facilities Plan? If no, describe inconsistency _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances. If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. Does the county have a stormwater management plan as required by the Stormwater Management Act?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, will this project plan require the implementation of storm water management measures?
		18. Name, Title and signature of person completing this section:
		Name: <u>Betsy A. Hack</u>
		Title: <u>Director</u> Signature: <u>Betsy A. Hack</u>
		Date: <u>10-15-07</u>
		Name of County or Areawide Planning Agency: _____
		Address: MONTGOMERY COUNTY PLANNING COMMISSION 112 WOODBINE LANE, SUITE 3 DANVILLE, PA 17821-9118
		Telephone Number: <u>570-271-3028</u>

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

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

The county planning agency must complete this Component within 60 days.

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

Appendix M

**Municipal Planning Commission
Comments**



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

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

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

Project Name

Mahoning Township; Red Lane Sewer Extension; Railroad Street Sewer Extension; Bloom Road/Frosty Valley Country Club Sewer Extension

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

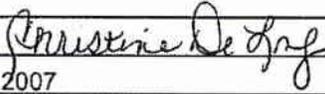
1. Date plan received by municipal planning agency. October 15, 2007

2. Date review completed by agency. December 3, 2007

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

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

SECTION C. AGENCY REVIEW (continued)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Act 537 Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances?
17. Name, title and signature of planning agency staff member completing this section:		
Name: <u>Christine DeLong</u>		
Title: <u>Chairperson</u>		
Signature: <u></u>		
Date: <u>December 3, 2007</u>		
Name of Municipal Planning Agency: <u>Mahoning Township Planning Commssion</u>		
Address: <u>1101 Bloom Road Danville, PA 17821</u>		
Telephone Number: <u>(570) 275-5521</u>		

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

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

The planning agency must complete this Component within 60 days.

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

Appendix N

Public Comments and Documentation



December 17, 2007

The Danville News
Attn: Laura Ingrassia
14 East Mahoning Street
Danville, PA 17821

RE: Mahoning Township Authority
Sewage Facilities Planning Module;
Component 3m; Public Notice.
ARRO # 5400.70

Dear Ms. Ingrassia:

The Mahoning Township Authority requests the publication of the following "Public Notice", on Friday, December 21, 2007. Please publish the notice on this day only. The text reads as follows:

PUBLIC NOTICE

A "Sewage Facilities Planning Module – Component 3m" (Plan) has been prepared for Mahoning Township (Township), Montour County, Pennsylvania. The Plan addresses the planning requirements necessary for the extension of public sewer service to existing residents located along Red Lane and Railroad Street. It also addresses the necessary planning requirements for extension of public sewer to the Frosty Valley Country Club and adjacent properties on Bloom Road.

The Red Lane sewer extension will serve nine (9) properties along the north side of Red Lane near Abbey Road. This sewer extension is planned to be a gravity sewer system. However, a pressure sewer system has been considered as an alternative to the gravity sewer.

The Railroad Street sewer extension will serve eight (8) properties along the north side of Railroad Street. This sewer extension will consist of a low-pressure sewer system with individual grinder pumps serving the respective properties.

The Bloom Road sewer extension will serve the Frosty Valley Country Club and 3 adjacent properties along the north side of Bloom Road east of Kaseville Road. This sewer extension will be a gravity sewer main.

The ARRO Group, Inc.

ARRO Consulting, Inc.

ARRO Environmental Services, Inc.

649 North Lewis Road

Suite 100

Limerick, PA 19468-1234

610.495.0303

Fax: 610.495.5855

info@thearrogroup.com

www.thearrogroup.com

ENGINEERING

CONSULTING

OPERATIONS

The Danville News
Attn: Laura Ingrassia
December 17, 2007
Page 2

The total average daily wastewater flow to be generated by all projects is nearly 8,320 gpd. The wastewater will be collected and conveyed through the Township's existing sewer system and conveyed to the Borough of Danville's wastewater treatment plant for treatment and disposal. The NPDES permit number for this facility is PA 023531.

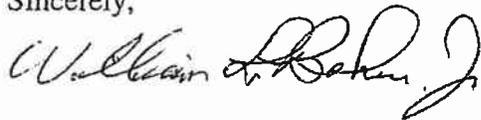
In accordance with Chapter 71.3(c) of the Pennsylvania Code, the Township is providing a 30-day public comment period. The Plan is available, for review, at the Township's offices located at 1101 Bloom Road, Danville, PA, 17821, from 8:30 AM to 4:00 PM, Monday through Friday. Comments may be addressed, in writing, to Mr. Thomas Mertz, Mahoning Township Authority Chairman, and are due no later than 30 days from the date of the publication of this notice.

Please do not hesitate to contact me if you have any questions or if you require additional information. Please provide us with a "Proof of Publication Notice" and bill us for the charges associated with this advertisement at your earliest convenience. You can send this to my attention at the following address:

William L. Bohner, Jr., P.E.
ARRO Consulting, Inc.
649 N. Lewis Road
Suite 100
Limerick, PA 19468

Thank you for your attention concerning this matter. If you have any questions, please call me at 610-495-2102.

Sincerely,



William L. Bohner, Jr., P.E.
Project Engineer

WLB:car

c: Lucy Hettinger, Mahoning Township Authority
Dale D. Heckman, L.O., ARRO

THE DAILY ITEM

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF MONTOUR

Employer Identification Number 20-5787549

Personally appeared before me, the subscriber, L.F. Machesic, Controller of The DAILY ITEM, publishers of THE DANVILLE NEWS, a daily newspaper in which publication has been directed, who being duly sworn according to law, doth depose and say that said newspaper was established September 1, 1897 and has as its place of business 14 East Mahoning Street, Danville, Montour County, Pennsylvania and the notice, of which the attached is a copy, was published in the regular advertising column of said newspaper, in all editions of said newspaper on the

21ST Day of December

A.D. 2007

the affiant is not interested in the foregoing notice of advertising, and avers that all allegations of the statements as to time, and place, and character of the publication are true.

L.F. Machesic

Sworn to and subscribed before me
This 26TH Day A.D. 2007
of December

Diane M. Weir
Notary Public

PUBLIC NOTICE

A "Sewage Facilities Planning Module - Component 3m" (Plan) has been prepared for Mahoning Township (Township), Montour County, Pennsylvania. The Plan addresses the planning requirements necessary for the extension of public sewer service to existing residents located along Red Lane and Railroad Street. It also addresses the necessary planning requirements for extension of public sewer to the Frosty Valley Country Club and adjacent properties on Bloom Road.

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The Railroad Street sewer extension will serve eight (8) properties along the north side of Railroad Street. This sewer extension will consist of a pressure sewer system with individual grinder pumps serving the respective properties.

The Bloom Road sewer extension will serve the Frosty Valley Country Club and three adjacent properties along the north side of Bloom Road east of Kauffman Road. This sewer extension will be a gravity sewer main.

The total average daily wastewater flow to be generated by all projects is nearly 8,320 gpd. The wastewater will be collected and conveyed through the Township's existing sewer system and conveyed to the Township of Danville's wastewater treatment plant for treatment and disposal. The NPDES permit number for this facility is PA 023531.

In accordance with Chapter 71.3(c) of the Pennsylvania Code, the Township is providing a 30-day public comment period. The Plan is available, for review, at the Township's offices located at 1101 Bloom Road, Danville, PA 17011, from 8:30 AM to 4:00 PM, Monday through Friday. Comments may be discussed, in writing, to Mr. Thomas Mertz, Mahoning Township Authority Chairman, and are due no later than 30 days from the date of the publication of this notice.

Danville News: 12/21/2007

NOTARIAL SEAL
Diane M. Weir
Notary, Northumberland County, PA
Commission Expires May 5, 2011



JAN 24 2008
ARRO

Mahoning Township Supervisors

**1101 Bloom Road
Danville, PA 17821
(570) 275-5521
Fax (570) 271-3108**

January 20, 2008

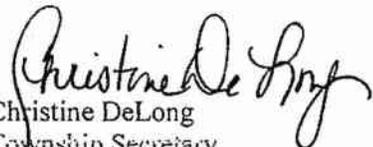
William L. Bohner, Jr., P.E.
ARRO Consulting, Inc.
649 N. Lewis Road
Suite 100
Limerick, PA 19468

RE: Red Lane/Railroad Street/ Bloom Road-
Frosty Valley Country Club
Public Comment - Sanitary Sewerage Facilities
Planning Module (Component 3m)

Dear Mr. Bohner:

In accordance with Title 25, Chapter 71 of the Pennsylvania Code, a 30-day public comment period was conducted for the sanitary sewage facilities planning module (Component 3m) prepared for the proposed sewer extensions to serve Red Lane, Railroad Street, and Bloom Road/Frosty Valley Country Club. The public comment period began on December 21, 2007 and ended on January 19, 2008. During that period, no public comments were received by Mahoning Township.

Sincerely,


Christine DeLong
Township Secretary

Appendix O

Resolution

Appendix P

Implementation Schedule

Mahoning Township Authority
Implementation Schedule
DRAFT

(All time is from approval of Component 3m by PA DEP)

1. Approval of Component 3m by PA DEP	-----
2. Finalize Plans and Specifications	1 month
3. Publish invitation for construction bids	2 months
4. Open construction bids	3 months
5. Review construction contracts	4 months
6. Award construction contracts	5 months
7. Notify construction contractors to proceed	5 months
8. Substantial completion of construction	12 months
9. Final completion of construction	14 months