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Devin Ryan

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File #: 204725

August 30, 2024

***VIA ELECTRONIC FILING***

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2nd Floor  
P.O. Box 3265  
Harrisburg, PA 17105-3265

**Re: Application of The York Water Company - Wastewater for approval of the right to:  
(1) acquire certain wastewater system assets of the York Haven Sewer Authority;  
and (2) begin to offer, render, furnish or supply wastewater service to the public in  
additional portions of York Haven Borough and Newberry Township, York County,  
Pennsylvania at Docket No. A-2023-3044173**

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Dear Secretary Chiavetta:

Attached please find The York Water Company's responses to TUS Data Request Set 2 in the above-referenced proceeding. Copies will be provided as indicated.

Respectfully submitted,



Devin Ryan

DR/dmc  
Attachment

cc: Matthew T. Lamb, P.E. (*Bureau of Technical Utility Services*) (*via email*)  
Certificate of Service

## TUS Data Request Set 2

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of the York Haven Sewer Authority; and (2) begin to offer, render, furnish or supply wastewater service to the public in additional portions of York Haven Borough and Newberry Township, York County, Pennsylvania

Docket No. A-2023-3044173

A-34 Data Request A-10 requested that York Water-WW provide copies of YHSA’s current wastewater rates, rules, and regulations along with the associated approval resolutions and/or ordinances. York Water-WW’s response to Data Request A-10 indicated that the minutes of YHSA Board’s February 2024 meeting which approved the current rates were not available as of the response submittal date to the Commission. Please provide a copy of YHSA’s most recent wastewater rates that were last approved by ordinance and/or resolution that include an attestation by the YHSA Board Secretary.

### **RESPONDENT:**

Matt Scarpato  
VP, Operations  
The York Water Company

### **RESPONSE:**

The York Haven Sewer Authority does not have Rules & Regulations and, thus, no associated resolutions or ordinances related to rates exist. YHSA’s solicitor originally provided the current rate information to York Water, and the Company relied on that information in preparing the Application and the November 3, 2023 letter to YHSA’s customers. However, YHSA’s secretary recently clarified to York Water that the current rates are as follows and were voted on at the Authority’s August 1, 2022 meeting:

Residential	\$150/quarter, flat
Commercial Flat	\$308
Commercial Metered	\$9.75/1,000gal

The meeting minutes for the Authority’s August 1, 2022 meeting are attached as **Attachment A-34-1**. York Water is in the process of preparing an updated Exhibit K (Pro Forma Tariff Supplement) and Exhibit L (Revenue and Expense Projection) to reflect these rates and will supplement this response with those updated exhibits in the near future. Also, the Company’s November 3, 2023 letter to YHSA’s customers stated that the Company would bill the customers the same rates but on a monthly basis. The rates set forth in the customer notice letter contained the incorrect rates previously provided by YHSA. York Water will send a new customer notice letter to YHSA’s customers that contain the current rates, as recently clarified by YHSA. A copy

of that updated notice letter also will be provided with the supplemental response to this data request.

## York Haven Sewer Authority Minutes

August 1, 2022

The meeting was called to order at 5:00 p.m. by Faye Kline.

Members present: Faye Kline, Charles Whitehead, Margaret Malehorn, Scott Frederick.

Members absent: Brian Rohrbaugh.

Peter Nestlerode and Desiree Boorujy were also present.

No Pledge of Allegiance

Margaret made a motion to approve the minutes from the July meeting. Scott seconded the motion and the motion was passed.

Margaret then made a motion to approve paying of the bills as presented. Scott seconded and the motion passed.

Desiree provided an update regarding LL Properties LLC. Solicitor Jeffrey Rehmeyer has suggested an on-site meeting with that would include one board member, Peter Nestlerode, Desiree Boorujy, Jose Marrero and his attorney, and Jeffrey Rehmeyer. It was determined that Charles Whitehead will be the one board member to attend this meeting. Mr. Rehmeyer also had asked for the board to determine whether they'd be willing to accept any amount less than what has been billed to LL Properties LLC for the clog in the main. The board has decided to table discussion on the billing matter until after the on-site meeting.

After discussing a previous topic of increasing rates, the Board decided to increase the quarterly rate. A Malehorn/Whitehead motion was made to change the rates as follows: The residential rate will be \$150.00 per quarter. The commercial metered rate will change to \$9.75 per 1000 gallons. The commercial flat rate will become \$308 per quarter. This will be effective with the bill that will cover the first quarter of 2023, which is to be mailed November 29, 2022. The motion passed unanimously.

With nothing further to discuss, the meeting adjourned at 5:35.

YORK HAVEN SEWER AUTHORITY  
BALANCE SHEET Meeting September 12, 2022

Operating Account:

Beginning Balance 8/1/22: 168,710.33

Ending Balance 8/31/22: 164,374.72

**DEPOSITS – \$7634.43**

**EXPENSES:**

**BILLS**

MANCHESTER ACE HARDWARE - SUPPLIES	91.08
SANTANDER LOAN	5,785.91
LABS INC. – LAB TESTING	940.00
SPRINGETTSBURY TOWNSHIP – HAULING SEPTAGE FEES	1566.25
QUICKBOOKS	90.10
RE FINK & SONS – SLUDGE HAULING	1800.00
MET-ED	672.20
CS DAVIDSON – ENGINEERING FEES	99.20
USA BLUEBOOK	99.67
GINGERICH – PLANT REPAIRS	1381.00
DIVERSIFIED TECHNOLOGY – PRINTING/MAILING BILLS	142.35

**SALARIES**

PETER NESTLERODE	950.00
PETER NESTLERODE	950.00
DESIREE BOORUJY	300.00
DESIREE BOORUJY	300.00

TOTAL DEPOSITS	7634.43
TOTAL EXPENSES	12,667.76
PROJECTED BALANCE	151,706.96

**Money Market Acct ending in 3582:**

Beginning balance 8/1/22: 123,687.73

Interest earned: 5.25

Ending Balance 8/31/22: 123,692.98

## TUS Data Request Set 2

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of the York Haven Sewer Authority; and (2) begin to offer, render, furnish or supply wastewater service to the public in additional portions of York Haven Borough and Newberry Township, York County, Pennsylvania

Docket No. A-2023-3044173

A-35 Data Request A-16 requested that York Water-WW provide copies of York Haven Borough's and Newberry Township's DEP-approved Act 537 Official Sewage Facilities Plan (Act 537 Plans) including any updates or special studies along with copies of the associated DEP approval letters. York Water-WW's response to Data Request A-16 indicated that York Haven Borough's Act 537 Plan was last updated on May 1, 1972, and Newberry Township's Act 537 Plan was updated February 27, 2014. However, according to YHSA, YHSA does not have copies of either plan in its records. The Commission notes that all municipalities and DEP are required to retain copies of DEP-approved Act 537 Plans including any updates or special studies. Please provide responses to the following:

- a. A copy of York Haven Borough's Act 537 Plan dated July 1, 1983, prepared by C.S. Davidson, Inc. and approved by DEP on December 29, 1983, including any updates or special studies along with copies of the associated DEP approval letters;
- b. A copy of Newberry Township's Act 537 Plan including any updates or special studies along with copies of the associated DEP approval letters;
- c. Clarification as to whether there are any required future capital expenditures in the current DEP-approved Act 537 Plans for York Haven Borough and Newberry Township that York Water-WW will be required to undertake; if so, describe them and quantify their costs; and
- d. Verify that York Water-WW's Application, including the requested service territory map depicted in the Application's Exhibit C, complies with both York Haven Borough's and Newberry Township's Act 537 Official Sewage Facilities Plans.

### **RESPONDENT:**

Matt Scarpato  
VP, Operations  
The York Water Company

## RESPONSE:

a. Attached as **Attachment A-35-1** are all of the sewage planning records available at DEP (collectively, files: YHB 537 Prelim. 1974, YHB 1983 Official Plan, YHB 537 Records). These records have been confirmed as the most recent plan for York Haven Borough, and no updates or special studies are present in the public record provided at DEP nor in the Borough's records. This planning is over 30 years old and includes the original plans for centralized sewer service in portions of the Borough. The YHSA system has been built out to where it is today openly and with both municipal entities in concurrence. York Water has requested the exact territory and exact customers served today, without any change. When and where the Act 537 Plan should be updated is a municipal decision and is within the regulatory authority of DEP. The Borough Solicitor has provided a letter related to the legal status and interpretation of the Borough's current Act 537 Plan, which is attached hereto in **Attachment A-35-1**. The change of ownership of this system does not *mandate* action under Act 537 and its underlying regulations. If DEP does request a plan update, it would be pursuant to agency policy. York Water is in close contact with the Borough and would cooperate in that process after PUC action regarding the territory. Most recently, York Water supported preparation of such special studies when acquiring the Felton Borough system and the West Manheim Township system upon PUC approval and prior to DEP permit transfer.

b. **Attachment A-35-2** is a letter from Newberry Township's solicitor confirming that the PUC Application and YHSA's service comply with the Newberry Township Act 537 Plan. York Water is not executing a transaction with Newberry Township and is not purchasing the Newberry Township sewer system, but the Company has attached the foundational 537 Plan documents as **Attachment A-35-3**. York Water reviewed the official sewage plan records at DEP. Upon review of the official Act 537 Plan records at DEP, the Township's sewage planning history is not straightforward, as there has been extensive development of the large Township over the years. Moreover, none of its planning documents in the public record address the area where YHSA is currently serving. The 1983 Plan mentions that Newberry Elementary School had its own sewer treatment facility and discharge at that time. There is no record in the DEP files that reflects abandonment of that treatment plant and connection to the YHSA system via main extension, but the Company believes that at some point soon after the YHSA system was built, it was extended to the school and selected parcels that is currently serves – which likely was done at the time that the treatment plant was owned and operated by a private entity and Newberry's plan was in its infancy. The Plan Update documents available in the public record address *other areas* of the Township. Attached is a synopsis prepared by DEP, **Attachment A-35-4**.<sup>1</sup>

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<sup>1</sup>The following documents were reviewed by York Water: 1983 – Official Plan for Phase I Study Area, which is around Village Green along Route 83; 1987 – Official Plan for Phase IIA, primarily to address 2 mobile home parks and propose a new Wastewater Treatment Plant near Goldsboro (this was constructed); 1988 – Official Plan Revision for Phase IIB, primarily to address areas of specific developments with malfunctioning on lot along the Old Susquehanna Trail; 1994 – Plan Update, primarily to address the Conewago Heights mobile home park; 1999 – Act

Since the Township is responsible for the implementation and interpretation of its Act 537 Plan, the Township Solicitor is the only reliable and legally relevant opinion related to YHSA's current service. York Water is not acquiring the Newberry Township System and is not proposing alteration of service within Newberry Township in this application. York Water is requesting the exact territory and exact customers served today. To the extent the Act 537 Plan in the Township should be updated, that is a municipal decision and is within the regulatory authority of the DEP. To the extent DEP, at some point in the future, seeks to force Newberry Township to update its 537 Plan is a wholly separate legal matter than what is presently before the PUC. The change of ownership of the YHSA system does not *mandate* action by Newberry Township under Act 537 and its underlying regulations. If, at some point in the future, DEP directs Newberry Township to update its Plan, York Water would, to the extent needed, cooperate in that process as we have elsewhere.

c. Neither York Haven Borough nor Newberry Township has identified any future capital expenditures required under the Act 537 Plans. Also, YHSA's Solicitor, the Borough's Solicitor, nor Newberry Township's Solicitor are aware of action or planned implementation under the respective Act 537 Plans that implicate YHSA's system.

d. To the best of York Water's knowledge, based upon communication from the respective solicitors, the Company's Application, including the requested service territory, complies with the applicable Act 537 Plans. Ultimately, that is a legal determination that is within the jurisdiction of the DEP. York Water confirms that the map provided as **Attachment A-35-5** depicts/reflects the current YHSA system and customers served, which is what York Water seeks to acquire (excluding the private pump station as indicated).

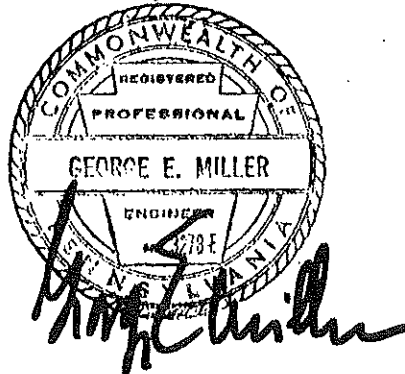
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537 Plan Update, to address more development in the Phase I Study Area of Village Green;2008 (January) – Reference made to a Plan Update submitted but none in the official record; YWC has confirmed with both DEP and the Township the 2008 Plan Update was never completed and was abandoned by the Township and no new Plan Update was pursued by the Township; 2016 – A Draft Plan Update (limited area -not related to YHB service), appears to be developer driven, i.e., residential or commercial developer to pay for facilities proposed therein; and 2017 Township requested suspension of review of the 2016 Draft Plan Update because the development abandoned.

None of these documents and nothing else in the official DEP records that were provided for review relate to YHSA's service. At the time that both parties believe the extension was made (early/mid 1980s), the Newberry STP was owned/operated by the developer who built it, and those records are not maintained by the Township.

PRELIMINARY FEASIBILITY STUDY  
FOR SANITARY SEWERAGE SYSTEM

BOROUGH OF YORK HAVEN  
YORK COUNTY, PENNSYLVANIA



(1025-6.1)  
Prepared By

C. S. DAVIDSON, INC.  
Consulting Engineers  
38 North Duke Street  
York, PA 17401

BUREAU OF COMMUNITY  
ENVIRONMENTAL CONTROL

APR 17 1974

YORK COUNTY OFFICE

Prepared For  
York Haven Borough Council  
York Haven Borough Sewer Authority

Revised February, 1974  
December 11, 1970

House Count (Equivalent Domestic Unit)

Throughout the exhibits, the term "Equivalent Domestic Unit" (abbreviated EDU) has been used to simplify the computation of rates. The term EDU is the measure of sewage contribution of a particular connection expressed in terms of the average sewage contribution of one household (domestic unit).

Based on our experience in similar communities (East Prospect Borough and Loganville Borough), we have evaluated the various categories of customers in York Haven Borough as equivalent domestic units (EDU) according to the following table:

1 residential connection = 5,000 gals./mo.	=	1 EDU
1 trailer or apartment (each unit)	=	1 EDU
1 commercial establishment (5,000 gals./mo.)	=	1 EDU
Industry: 8 employees	=	1 EDU
Schools: 13 pupils or employees	=	1 EDU

This method of computing EDU's is in accordance with Pennsylvania Department of Environmental Resources criteria. Exhibit B, contained herein shows a tabulation of existing connections and total EDU's.

Exhibit B - Tabulations of Existing Connections and Total EDU'S

	Connections	EDU'S
Residential Units	224	224
Commercial Establishments	24	80
School	<u>1</u>	<u>24</u>
TOTAL	249	328

Design Criteria

The design of the proposed sewage treatment plant, interceptor and collection systems will be based upon the following information and data:

Sewage Treatment Plant - Design Year 2000

	EDU's	Population
York Haven Borough	328	1,148 persons
Newberry Township	503	1,760 persons
East Manchester Township	400	1,400 persons
Manchester Borough	<u>300</u>	<u>1,050 persons</u>
TOTAL	1,331	5,358 persons

Project Plans - Financing

We have developed various schemes for financing construction of sanitary sewers within York Haven Borough. In February 1971 - York Haven Borough made an application for federal funds (PL 660) from the U.S. Environmental Protection Agency. In October 1972, the Borough received a Grant Offer of \$136,500. This offer will expire during October 1974 if construction of the project does not begin. Using this \$136,500 to finance the Borough's collection system, treatment plant, and interceptor would require an annual sewer rental of \$277.50 to finance this project, as shown in Exhibit C, on page 5. We have also provided for an additional 2% State grant under Act 339.

Again in February 1973, the Borough made application for PL 660 funding for construction of its collection system. The Borough has requested an additional \$314,870.00.

At the time of the writing of this report the Borough has not received a priority rating for this project application, therefore its municipal officials do not know if this additional request will be funded or not. In Exhibit D, we have used this seconded funding request and again also assumed additional Act 339 funds. A sewer rental of \$223.16 would be required to finance the sewer system using the 1973 PL 660 application for funds.

In Exhibits E and F we have assumed a joint application with Newberry Township will be made in February 1975. Exhibit E shows the project financing if PL 92-500 can be obtained again from the Environmental Protection Agency for construction of the sewage treatment plant and interceptor system. If a combined grant of \$1,310,890.00 can be acquired, a rental of \$239.19 would be needed to finance the balance of the projects. If each municipality would make separate applications York Haven's rental would be \$228.85, Newberry Township's rental would be \$248.00.

Under proposed changes in the PL 92-500 - the Federal Government will fund up to 75% of the total project. Should this project receive such a grant or \$2,363,998.00, for a joint project, a rental of \$138.12 would finance the remaining 25% of the project. To date no municipality in York County has received funds under PL 92-500 for collection systems and it would seem very unlikely that the Borough of York Haven and Newberry Township would receive a grant as mentioned above and shown in Exhibit F on page 8.

YORK HAVEN BOROUGH

EXHIBIT NO. D  
 YORK HAVEN BOROUGH  
 Using 1973 PL 660 Funding

Estimated Construction Cost

Collection System	\$ 338,661.50
Sewage Treatment Plant & Interceptor	<u>480,000.00</u>
TOTAL ESTIMATED CONSTRUCTION COST:	\$ 818,661.50

Estimated Project Cost

\$818,661.50 X 1.40 =	<u>\$ 1,146,126.00</u>
TOTAL ESTIMATED PROJECT COST:	\$ 1,146,126.00
Less PL 92-500 Grant on eligible facilities (collection)	<u>314,870.00</u>
ESTIMATED NET PROJECT COST	\$ 831,256.00

Annual Expenses

Debt Service (40 yrs. @ 6% @ 1.2 coverage)	\$ 66,294.00
\$831,256.00 X 0.06646 X 1.2 =	2,500.00
Administration	<u>14,000.00</u>
Operation and Maintenance	\$ 82,794.00
Less Act 339 grant on eligible facilities (\$480,000 X 0.02)	<u>9,600.00</u>
ESTIMATED NET ANNUAL EXPENSE:	\$ 73,194.00

Annual Revenues

York Haven Borough 328 EDU's @ <u>223.16</u> =	\$ 73,196.48
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YORK HAVEN BOROUGH

EXHIBIT NO. F  
 YORK HAVEN BOROUGH - NEWBERRY TOWNSHIP  
 PROJECT COST AND FINANCING  
 Using 1975 PL 92-500 Funding

Estimated Construction Cost

York Haven Borough (328 EDU's)	
Collection System	\$ 360,000.00
Sewage Treatment Plant & Interceptor System	520,000.00
Newberry Township (503 EDU's)	
Collection System	754,400.00
Interceptor System	<u>867,185.00</u>
 TOTAL CONSTRUCTION COST:	 \$ 2,501,585.00

Estimated Project Cost

\$2,501,585.00 X 1.40 =	<u>\$ 3,502,219.00</u>
 TOTAL ESTIMATED PROJECT COST:	 \$ 3,502,219.00

Long Term Debt	
Project Cost	\$ 3,502,219.00
Less PL 92-500 Grant (Entire System)	
\$2,501,585.00 X 1.40 X 0.75 X 0.90 =	<u>2,363,998.00</u>
 TOTAL LONG TERM DEBT:	 \$ 1,138,221.00

Annual Expenses

Debt Service (40 yrs. @ 6% @ 1.2 coverage)	
\$1,138,221.00 X 0.06646 X 1.2 =	\$ 90,775.00
Administration	6,000.00
Operation and Maintenance	<u>18,000.00</u>
 TOTAL ANNUAL EXPENSES:	 \$ 114,775.00

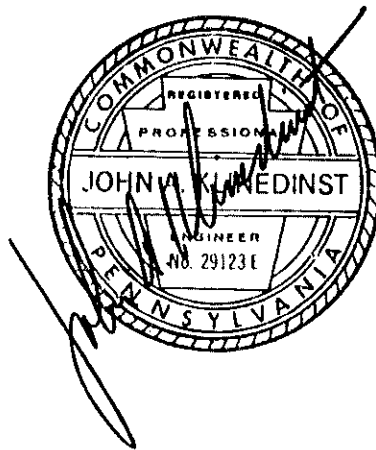
Annual Revenues: 2 municipalities

831 EDU's @ <u>138.12</u> =	\$ 114,778.00
York Haven -	\$146.13 Alone
Newberry Township -	\$188.00 Alone



YORK HAVEN BOROUGH  
PRELIMINARY SANITARY SEWER FEASIBILITY STUDY  
AND  
OFFICIAL (ACT 537) SEWAGE FACILITIES PLAN

Prepared for:  
York Haven Borough  
and  
York Haven Borough Sewer Authority  
York County, Pennsylvania



York County Planning Commission Project No. 940A

Prepared By:

C. S. DAVIDSON, INC.  
Consulting Engineers  
38 North Duke Street  
York, PA 17401

Phone: (717) 846-4805

July 1, 1983

Engineer's Project No. 1025.6.01.13

DEP  
WATER QUALITY MANAGEMENT  
JUL 10 1983  
HARRISBURG REGION



YORK HAVEN BOROUGH  
PRELIMINARY SANITARY SEWER FEASIBILITY STUDY

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LIST OF EXHIBITS

<u>Exhibit No.</u>	<u>Title</u>
A	Area Map
B	R-4 Manchester-Mount Wolf Region Sewerage Plan-Year 1980
C	R-4 Manchester-Mount Wolf Region Sewerage Plan-Year 2000
D	Preliminary Sewerage Effluent Limits Established by the Department of Environmental Resources
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YORK HAVEN BOROUGH  
PRELIMINARY SANITARY SEWER FEASIBILITY STUDY

INTRODUCTION AND SCOPE

The purpose of this report is to first investigate and examine the feasibility of providing affordable municipal sanitary sewerage to the Borough of York Haven or portions thereof. The review of previously prepared studies (1957, 1967, 1970, 1972, 1974, 1975) to provide an updated Official (Act 537) Sewerage Facilities Plan in conformance with Pennsylvania Department of Environmental Resources (PA DER) Regulations is a secondary goal. Finally, it is intended that this document serve as a Preliminary Engineering Report to enable the municipality to obtain Farmers Home Administration (FmHA) financing for a needed wastewater treatment and transportation system.

AREA TO BE SERVED

Area Description

The Borough of York Haven is located in the northern part of York County, Pennsylvania, in the R-4 Sewerage Region as shown on the Area Map (Exhibit A). The Borough is a small community (0.33 square miles) located along the West bank of the Susquehanna River at the Conewago Creek confluence. The Municipality has no public water or sewer systems and has documented history of subsurface disposal system malfunctions and polluted wells. The Municipality consists primarily of residential users, supporting commercial establishments, and a few small industries.

Prior Studies

The York County Comprehensive Sewage Study (June, 1972) serves as the basic planning guide for constructing wastewater treatment facilities (See Exhibits B and C). All earlier Borough studies included contiguous areas in Newberry Township. The latest local study (1975) reevaluated the regional concepts contained in the York County Plan and involved Manchester and Mount Wolf Boroughs, the Musser Run Area in East Manchester Township, and the Conewago Heights Area in Newberry Township. That study was not fully endorsed by all municipalities. While PA DER did delineate a 201 Facilities Plan Study Area, Manchester and Mount Wolf Boroughs elected to "opt-out". York Haven Borough Officials were unsuccessful in initiating a grant application for federal assistance in the R-4 Sewerage Region.

In 1982, PA DER completed a Comprehensive Water Quality Management Plan (COWAMP) for the Lower Susquehanna Basin Area. That study recommended construction of a 0.44 million gallon per day (mgd) secondary treatment plant with phosphorous removal to serve the Borough and adjacent areas in Newberry Township as a long-term solution. That study has not been adopted by the County or local municipalities. The results of this feasibility study, after adoption or approval by all planning agencies, will formally amend the two previous comprehensive plans.



### Existing Population

York Haven was incorporated as a Borough on December 1, 1892. The population of the Borough has remained generally stable since 1900 as indicated in Table 1, while surrounding municipalities continue to grow. Current 1980 U.S. Census data shows 2.96 persons per household in the Borough and a density factor of 2,487 persons per square mile.

TABLE 1  
PAST POPULATION DATA

<u>Year</u>	<u>York Haven Borough</u>	<u>Newberry Township</u>	<u>East Manchester Township</u>
1900	824	2,101	1,359
1910	793	2,003	1,569
1920	779	1,966	1,262
1930	770	2,113	1,438
1940	730	2,489	1,429
1950	743	2,998	1,784
1960	736	4,045	2,253
1970	671	5,958	1,735
1980	746	10,047	3,564

Source: U.S. Census Bureau (1980)

### EXISTING FACILITIES

#### Current Needs of the Area

There are no public sewers in the municipality. All homes utilize subsurface disposal systems, cesspools, holding tanks, or outdoor privies. Raw discharges to drainage swales or storm sewers are prevalent. Several properties lack inside plumbing. The Borough has the lowest per capita income of any municipality in York County as indicated below:

TABLE 2  
CURRENT FINANCIAL DATA

<u>Description</u>	<u>York Haven</u>	<u>York County</u>
Median Per Capita Income	\$ 5,085	\$ 7,326
Median Family Income	15,043	20,857
Median Household Income	13,911	18,389
Individuals Below Poverty Level	18.0%	6.9%
Families Below Poverty Level	11.3%	5.0%
Work Disability	10.0%	6.9%
Persons Per Household	2.96	2.76

Source: U.S. Census Bureau (1980)



### Current Needs of the Area (Continued)

While the Borough does not have a public water system, the municipality does operate a fire protection system along South Front Street (Main Street) and on a portion of Pennsylvania Avenue. The municipality has no capital improvement debts and relies mostly on property, income, and per capita taxes for general fund revenues, and liquid fuel tax revenues for street improvements. Several improvements to streets, storm sewers, curbs, and sidewalks have been recently funded by the U.S. Department of Housing and Urban Development through the York County Community Development Block Grant (CDBG) Program.

York Haven Borough previously applied for grant assistance from the U.S. Environmental Protection Agency (EPA) under P.L. 660 and 92-500 Programs for wastewater treatment systems. A \$170,620 grant offer (C-420633) under the earlier program for interceptor and treatment facilities was withdrawn by the municipality due to inadequate funds to finance the collection system. The current application is inactive due to lack of sufficient priority points (49 points) for funding. We believe the priority ranking has been underrated by PA DER for several years.

The Municipality did receive a PA DER Bureau of Water Quality Management (BWQM) Permit (No. 6771403) for sewerage facilities and an EPA National Pollutant Discharge Elimination System (NPDES) Permit (No. PA 0023914) for a discharge to the Susquehanna River. The later permit was allowed to expire due to inactivity on July 11, 1980.

A vast majority of the area in the Borough has severe soil limitations which restrict the use of conventional and alternate on-site disposal systems. Most of the soils are on eroded steep slopes with a shallow depth to bedrock. The lower elevation areas have high water tables or are subject to flooding. Existing lots with moderate limitations are generally too small to accommodate on-site repairs or replacements. Most of the recent permits for corrections were for holding tanks. Due to soil and lot size restrictions, non-centralized solutions are not considered a viable alternative in the densely populated sections of the municipality and further investigations are not part of this intended scope of the study.

### Residential Users

A survey to determine the number of residential homes was conducted in May, 1983. Elected Representatives provided assistance in determining the number of multi-family units. The number of residential connections and units is shown in Table 3. According to the 1980 U.S. Census data, the number of households within the Borough was 252. That number was confirmed by our house count.

Throughout this study, the term Equivalent Domestic Units (EDU's) will be used to simplify estimated flows and the computation of rates. An EDU is the measure of sewage contribution of a particular connection expressed in the terms of the average sewage contribution of one household or domestic unit. The amount of sewage flow for residences and non-residential establishments will be generally based on criteria developed by PA DER for the design of community subsurface sewage systems.



A figure of 250 gallons per day (gpd) per EDU will be used to estimate domestic flows (3 people/residence x 75 gallons/person + 25 gpd for infiltration/inflow). A lower figure would require a more detailed documentation and approval by PA DER. Flows for non-residential establishments will be converted to an EDU basis, except for minor home occupational (non-sewer producing) uses.

For study purposes, apartments within hotels were considered as typical residential units. Rooms within the hotels were considered as weekly or daily rental units and their corresponding wastewater flow was converted to a non-residential use, along with restaurant and bar discharges. The location of residential and non-residential users is shown on Exhibit H. There are about 40 connections/60 EDU's in Newberry Township immediately adjacent to the Borough of York Haven.

### Non-Residential Users

An inventory of non-residential properties was conducted and reviewed with Municipal Officials. The list of properties and locations are shown on Table 4. Since there is no public water in the Borough, no meter readings or records of useage are available. A conservative estimate on the number of EDU's was primarily based upon discussions with elected officials, employee counts, and interviews at several establishments. Except for home occupational or vacant properties, no less than one EDU was assigned for each commercial, industrial, or public user.

TABLE 3  
TABULATION OF EXISTING  
CONNECTIONS AND EDU'S

<u>Description</u>	<u>Total Connections</u>	<u>Total EDU's</u>	<u>Estimated Flow Gallons Per Day</u>	
Residential Units	193	248	62,000	83.5%
Non-Residential Units				
Public	6	9	2,250	3.0%
Commercial	11	33	8,250	11.0%
Industrial	<u>1</u>	<u>7</u>	<u>1,750</u>	<u>2.5%</u>
TOTALS:	211	297	74,250	100.0%

### PROPOSED FACILITIES

#### Alternative Evaluations

Preliminary effluent limits for three discharge locations were issued by PA DER to assist in the evaluation of several treatment alternatives (See Exhibit D). Two potential wastewater treatment sites were selected for evaluation. Two types of treatment process were analyzed at each site. Due to the estimated small wastewater flows, and site size restrictions, many other wastewater treatment processes were either too expensive or too large. Several alternative pipeline layouts were investigated. The purpose of those evaluations was to determine the most economical or cost effective solution for providing public sanitary sewers in York Haven Borough or the most densely populated sections thereof.



TABLE 4  
LISTING OF NON-RESIDENTIAL  
PROPERTIES IN YORK HAVEN BOROUGH

<u>Owner's Name or Establishment</u>	<u>Property Location</u>	<u>Tax Map &amp; Parcel No.</u>	<u>Type of Property</u>	<u>Estimated EDU's GPD</u>	
1. Keller Medical Center	15 Susquehanna Ave.	YH2-11	Commercial	1	250
2. Frannie's Beauty Shop	114 Fallsview St.	YH2-36	Commercial	1	250
3. Al's Garage	13 Susquehanna Ave.	YH2-36	Commercial	1	250
4. Susquehanna Fire Co.	106 South Front St.	YH2-100	Vacant Lot*	0	0
5. Susquehanna Fire Co.	104 South Front St.	YH2-101	Vacant Lot*	0	0
6. Susquehanna Fire Co.	102 South Front St.	YH2-102	Vacant Lot*	0	0
7. Susquehanna Fire Co.	100 South Front St.	YH2-103	Vacant Lot*	0	0
8. Susquehanna Fire Co.	100 South Front St.	YH2-104	Public Service*	1	250
9. Encore Furniture Sales	92 S. Front St. Rear	YH2-105	Commercial	1	250
10. RMK Enterprises Ltd.	Gay Street	YH2-126	Industrial	7	1,750
11. Charlie's Barber Shop	80 South Front St.	YH2-111	Home Occupation	0	0
12. UniYork Corporation	S. Landvale St.	YH1-49	Residential	0	0
13. United Methodist Church	50 South Front St.	YH2-122	Public Service*	1	250
14. U.M. Church (Parsonage)	52 South Front St.	YH2-121	Residential*	0	0
15. York Haven Comm. Playground	W. side of 2nd St.	YH2-127	Public Service*	0	0
16. Potter's York Haven Hotel	19 South Front St.	YH1-107	Commercial	3	750
17. York Haven Laundromat	17 South Front St.	YH1-108	Commercial	19	4,750
18. Penn Central Trans. Co.	North Front St.	YH1-116	Vacant Lot*	0	0
19. Consolidated Rail Corp.	Island	YH1-117	Vacant Land*	0	0
20. York Haven Power Co.	N. side Locust St.	YH1-30	Public Utility*	4	1,000
21. James Craft & Sons, Inc. Mechanical Contractors	N. side Landvale St.	YH1-30D	Commercial	1	250
22. James E. & G. J. Craft	48 North Front St.	YH1-31	Paved Lot	0	0
23. Shelly's Restaurant & Bar	36 North Front St.	YH1-32	Commercial	1	250
24. Dean & Phyllis Hotel Haven	22 North Front St.	YH1-37	Commercial	3	750
25. York Haven Borough Hall	2 North Front St.	YH1-39	Public Service*	1	250
26. York Haven Post Office	15 Pennsylvania Ave.	YH1-85A	Public Service*	1	250
27. Indoor Flea Market	26 Pennsylvania Ave.	YH1-41	Commercial	1	250
28. Lutz TV Service	18 Second Street	YH1-67	Home Occupation	0	0
29. James E. & G. J. Craft	N. side Landvale St.	YH1-30B	Vacant Lot	0	0
30. Drover's Bank	34 Pennsylvania Ave.	YH1-45	Commercial	1	250
31. Drover's Bank	Landvale Street	YH1-45A	Paved Lot	0	0
32. Holy Infant Church	Landvale St. & PA Ave.	YH1-46	Public Service*	1	250
33. Holy Infant (Rectory)	34 Third Street	YH1-53	Residential	0	0
34. Sue Bittler Beauty Shop	25 S. Landvale St.	YH1-47	Home Occupation	0	0
35. "House of History" Antique Dealer	54 S. Landvale St.	YH1-14	Home Occupation	0	0
36. Gross Auto Sales & Body Shop	86 Landvale Street	YH1-10	Home Occupation	0	0
37. Metropolitan Edison Co.	L.R. 66185	OI-62B	Vacant Land*	0	0
38. Pennsylvania Power & Light Company	N. end Brunner Island	OI-65	Vacant Land*	0	0
39. Kamlick's Const. Co.	124 S. Landvale St.	YH1-3	Home Occupation	0	0
				<u>49</u>	<u>12,250</u>
TOTAL ESTIMATED NUMBER OF NON-RESIDENTIAL EDU'S:					
TOTAL ESTIMATED NON-RESIDENTIAL FLOW:					

\* Non-Assessable Property



Preliminary screening indicated that Extended Aeration Activated Sludge (EA) and Rotating Biological Contactors (RBC) were the only viable treatment processes due primarily to limited area at selected plant sites. An evaluation of supplier estimates for both types of "package" treatment facilities indicated that RBC equipment exceeded the cost of EA equipment by more than 30%. While the RBC process involves less operating costs, there was insufficient savings in annual operation and maintenance (O&M) costs over the facility design life to make the RBC process more cost effective. The EA process and attendant equipment was therefore selected as the most economical alternative.

Two sites were evaluated utilizing the EA alternative. Site A is located along the west side of Locust Street (L.R. 66153) across from the old railroad station and is currently owned by the Penn Central Transportation Company. The site borders North Front Street on the rear and is an undeveloped fairly steep tract. Site B is located on the southwest corner of North Front Street and North Landvale Street. The site is presently an unoccupied paved lot owned by James E. and Gloria J. Kraft. A construction cost comparison, including site acquisition, is shown below.

TABLE 5  
ENGINEER'S COMPARISON OF TREATMENT SITE LOCATIONS

<u>Description</u>	<u>Site A</u>	<u>Site B</u>
Site Grading (4,650 vs 2,450 C.Y.)	\$ 46,500	\$ 24,500
Plant Mechanical	125,000	125,000
Excavation (500 C.Y. @ \$30)	15,000	15,000
Concrete (150 C.Y. @ \$400)	60,000	60,000
On-site well	2,000	2,000
Security Fencing (450 L.F.)	4,500	4,500
Building (16' x 12')	6,000	6,000
Internal Piping	5,000	5,000
Outfall Piping (280 vs 580 L.F.)	15,000	16,500
Land Acquisition	500	25,000
TOTALS:	\$279,500	\$285,500

Source: C. S. Davidson, Inc.

In addition to the small cost advantage, Site A is less visible to the public and would not remove additional taxable land from the Borough's economic base. Assuming predominantly westerly winds, Site A is east of most of the developed areas, thus reducing potential odor problems. We would recommend that the entire site be recovered with crown vetch plant material to reduce potential maintenance and erosion problems.

The collection system costs do not vary significantly with either site. The estimated construction cost of the piping to Site A is \$458,185 versus \$455,405 to Site B. The construction cost differential between the two sites is therefore only \$3,230 in favor of Site A, for both the collection system and treatment plant.

Several alternative collection system layouts were evaluated to serve most areas within the Borough. A cost comparison was also conducted on isolated segments between standard gravity sewers and pressure sewers (STEP pumps and grinder pumps were both analyzed).



The most economical basic system layout is shown on Exhibit H. Future extensions in order of financial feasibility are compared and shown in Table 6. (For example: Adding Alternate No. 3 to the basic system would increase the costs to all users by about 3% annually. Adding other extensions would appreciably increase all user fees.)

TABLE 6  
CONSTRUCTION AND PRESENT WORTH COSTS FOR  
COMPARISON OF FUTURE SEWER EXTENSIONS

Alternate No.	Project Area	Construction Cost	Equivalent Cost/EDU
	Basic System	\$ 458,185	\$ 348/Yr.
3	South Landvale Street	73,720	433/Yr.
5	North Front Street Extended	32,165	852/Yr.
1	Susquehanna Avenue	10,925	889/Yr.
4	North Landvale Street	20,260	1,082/Yr.
9	S. Landvale Street Ext'd (Wilsontown Area)	89,225	1,186/Yr.

Source: C. S. Davidson, Inc.

#### Facilities Description

The EA plant proposed is designed to meet the preliminary effluent limits described in Exhibit D. A schematic diagram of the wastewater treatment flow process is shown on Exhibit E. The process equipment includes the following components:

Aerated Flow Equalization Tank  
Comminutor with Bypass Bar Screen  
Duplex EA Tanks with:  
    Aerator Tank                      Sludge Holding Tank  
    Clarifier                              Froth Control System  
Control Building  
Flow Meter  
Chemical Feed Equipment  
Standby Power Source  
Miscellaneous Electrical, Mechanical, and Piping

The basic collection system layout includes 6,170 L.F. of 8"  $\emptyset$  mains, 935 L.F. of 6"  $\emptyset$  mains, 177 4"  $\emptyset$  laterals, and 38 manholes. No pump stations, force mains, or pressure sewers are proposed under the initial construction phase. The sewer system would be designed to serve primarily only the first floors of the existing homes by gravity flow. Even if the dwelling is sited high in relationship to the sewer main, only basement waste producing facilities would be served. No floor drain connections would be allowed, in an attempt to limit the amount of potential infiltration/inflow to the proposed system and to minimize construction and plumbing hookup costs.

Extensions to the proposed system within the Borough or into Newberry Township would be made as additional grant funds become available. Provisions at the site for a future additional third treatment unit will be made.



### Population and Waste Flow Projections

Since the 1980 U.S. Census, revised COWAMP population projections have been issued. York Haven is still expected to grow, but at a slower rate.

TABLE 7  
POPULATION PROJECTIONS FOR  
YORK HAVEN BOROUGH

<u>Year</u>	<u>Persons</u>	<u>Percent Increase</u>	<u>Year</u>	<u>Persons</u>	<u>Percent Increase</u>
1980	746	N/A	2005	872	+2.0%
1985	780	+4.6%	2010	889	+2.0%
1990	814	+4.4%	2015	904	+1.7%
1995	835	+2.6%	2020	918	+1.6%
2000	855	+2.4%	2025	928	+1.1%

Source: COWAMP and C. S. Davidson, Inc. (odd years)

Future commercial and industrial expansion is also expected to be minimal. The wastewater flow projections for residential and non-residential users are shown on Table 8. The last extension to the Wilsontown Area is expected to be completed by the year 1995.

TABLE 8  
WASTEWATER FLOW PROJECTIONS FOR  
YORK HAVEN BOROUGH

<u>Year</u>	<u>Residential</u>			<u>Non-Residential</u>			<u>Totals</u>	
	<u>EDU's</u>	<u>GPD</u>	<u>%</u>	<u>EDU's</u>	<u>GPD</u>	<u>%</u>	<u>EDU's</u>	<u>GPD</u>
1985	192	48,000	81	44	11,000	19	236	59,000
1990	235	58,700	82	50	12,500	18	285	71,250
1995	250	62,500	83	52	13,000	17	302	75,500
2000	255	63,750	83	54	13,500	17	309	77,250
2005	260	65,000	83	55	13,750	17	315	78,750

Source: C. S. Davidson, Inc.

### Design Capacity

The basic collection system and treatment plant will initially serve 192 EDU'S. The plant is expected to be operational by 1985 and serve a total of 148 residential connections and 16 non-residential properties. Forty-five to fifty additional connections are expected to be made by 1995 and serve all but a few isolated homes within the Borough.

The EA plant will have a twenty year design life. Units will be sized in accordance with DER Bureau of Water Quality Management Regulations and accepted engineering design standards. The plant design will consist of two 40,000 GPD dual treatment units which will work in parallel. One unit could be removed from operation for servicing and repairs, while the other unit would provide some partial treatment. A sketch of the proposed site layout is shown on Exhibit F.



### Design Capacity (Continued)

Due to the small plant size, a 25,000 gallon flow equalization tank will be furnished to reduce peak loads to the treatment facility. A standby generator is also included as required by DER regulations. However, in light of the close proximity of a primary electrical generating station (York Haven Hydroelectric Facility), an attempt should be made to have this requirement waived, if sufficient holding capacity in the plant or piping is provided or the reliability of the power supply is proven.

The 6"  $\emptyset$  outfall sewer would connect to an existing storm sewer pipe on the east side of CONRAIL facilities. The end of the existing storm drainage pipe on the west side would be reconstructed and submerged to permit treated effluent to discharge below the stream level and allow for proper mixing. The use of existing facilities (to avoid an expensive tunnel crossing) will require the concurrence of DER, CONRAIL, and the U.S. Army Corp of Engineers, and is a critical cost factor. The point of discharge will be to the Conewago Creek near the bridge on L.R. 66153 (Locust Street) approximately 1,100 feet upstream of the Susquehanna River.

The collection system design will also meet DER standards, except that 6" small diameter mains will be installed in areas serving 20 homes or less. These lines would be installed on a 1.00% minimum grade. The entire system design is also predicated on the basis of 250 GPD. This figure is slightly less than DER's old 350 GPD/EDU standard, which has now been reduced to 300 GPD/EDU in some areas. Based on the current lack of public water and the presence of low yield private on-site wells in the area, we believe the further reduction to 250 GPD/EDU is justified. Local and FmHA officials have expressed a desire to use an even lower figure. With stringent plumbing inspections during hookups and the prohibition of floor drain connections, we believe that 250 GPD/EDU design flow is an acceptable compromise.

### FINANCING THE SELECTED PROJECT

#### Construction Costs

All construction cost estimates were based upon available current bids for comparable projects, or recent price quotations obtained from equipment suppliers. Pipe prices (per lineal foot) include the costs of all labor, equipment, materials, rock excavation, select bedding, and fittings. Unit prices for manholes, STEP pumps, grinder pumps, and laterals represent a complete installation. Paving prices for work in state highways include select backfill, more extensive restoration, traffic control, and PA DOT inspection. A more detailed description of the cost components is identified on Exhibit G.

The estimated construction costs for the basic system and the future extensions shown on Exhibit H are itemized in Table 9. The construction cost for the wastewater treatment plant, excluding site acquisition, is \$279,000. A cost breakdown of the facility components for Site A is shown on page 6.



TABLE NO. 9  
ENGINEER'S ESTIMATED CONSTRUCTION COSTS  
BASIC COLLECTION SYSTEM

<u>Item Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Estimated Total</u>
8" Main (Ductile iron)	700	L.F.	\$ 30.00	\$ 21,000
8" Main (6'-7' deep)	4,895	L.F.	29.00	141,955
8" Main (5'-6' deep)	575	L.F.	28.00	16,100
6" Mains (All depths)	935	L.F.	25.00	23,375
4" Laterals (Complete)	162	Ea.	500.00	81,000
Manholes (Complete)	38	Ea.	900.00	34,200
Crushed Stone	110	Tons	8.00	880
Borough Street Repairs	1,635	S.Y.	15.00	24,525
State Highway Repairs	1,850	S.Y.	35.00	64,750
Full Width Overlays	11,400	S.Y.	3.00	34,200
Concrete Curb Repairs	810	L.F.	20.00	16,200

TOTAL ESTIMATED CONSTRUCTION COST OF BASIC COLLECTION SYSTEM: \$ 458,185

ALTERNATE NO. 1 - SUSQUEHANNA AVENUE

<u>Item Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Estimated Total</u>
4" Laterals (Complete)	2	Ea.	\$500.00	\$ 1,000
1 1/4" Force Mains	280	L.F.	12.00	3,360
Crushed Stone	5	Tons	8.00	40
Borough Street Repairs	45	S.Y.	15.00	675
Concrete Repairs	1	L.S.	50.00	50
STEP Pumps (Complete)	1	Ea.	5,800.00	5,800

TOTAL ESTIMATED CONSTRUCTION COST OF ALTERNATE NO. 1: \$ 10,925

ALTERNATE NO. 3 - SOUTH LANDVALE STREET

<u>Item Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Estimated Total</u>
8" Mains (All Depths)	1,035	L.F.	\$ 29.00	\$ 30,015
4" Laterals (Complete)	26	Ea.	500.00	13,000
Manholes (Complete)	6	Ea.	900.00	5,400
Crushed Stone	10	Tons	8.00	80
State Highway Repairs	400	S.Y.	35.00	14,000
Full Width Overlays	2,875	S.Y.	3.00	8,625
Concrete Curb Repairs	130	L.F.	20.00	2,600

TOTAL ESTIMATED CONSTRUCTION COST OF ALTERNATE NO. 3: \$ 73,720



TABLE NO. 9 (Continued)  
ENGINEER'S ESTIMATED CONSTRUCTION COSTS

ALTERNATE NO. 4 - NORTH LANDVALE STREET

<u>Item Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Estimated Total</u>
8" Mains (All depths)	30	L.F.	\$ 28.00	\$ 840
6" Mains (All depths)	120	L.F.	25.00	3,000
4" Laterals (Complete)	3	Ea.	500.00	1,500
1 1/4" Force Mains	290	L.F.	12.00	3,480
Manholes (Complete)	2	Ea.	900.00	1,800
Crushed Stone	5	Tons	8.00	40
State Highway Repairs	100	S.Y.	35.00	3,500
Concrete Curb Repairs	1	L.S.	300.00	300
STEP Pumps (Complete)	1	Ea.	5,800.00	5,800

TOTAL ESTIMATED CONSTRUCTION COST OF ALTERNATE NO. 4: \$ 20,260

ALTERNATE NO. 5 - NORTH FRONT STREET

<u>Item Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Estimated Total</u>
4" Laterals (Complete)	1	Ea.	\$500.00	\$ 500
1 1/2" Force Mains	440	L.F.	13.00	5,720
1 1/4" Force Mains	550	L.F.	12.00	6,600
Crushed Stone	15	Tons	8.00	120
Borough Street Repairs	170	S.Y.	15.00	2,550
State Highway Repairs	5	S.Y.	35.00	175
Suspended Railroad Crossing	100	L.F.	25.00	2,500
Grinder Pumps (Complete)	2	Ea.	7,000.00	14,000

TOTAL ESTIMATED CONSTRUCTION COST OF ALTERNATE NO. 5: \$ 32,165

ALTERNATE NO. 9 - SOUTH LANDVALE STREET EXTENDED  
(Wilsontown Area)

<u>Item Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Estimated Total</u>
6" Mains (All Depths)	400	L.F.	\$ 25.00	\$ 10,000
4" Laterals (Complete)	6	Ea.	500.00	3,000
2 1/2" Force Mains	1,290	L.F.	18.00	23,220
1 1/4" Force Mains	800	L.F.	12.00	9,600
Manholes (Complete)	2	Ea.	900.00	1,800
Crushed Stone	10	Tons	8.00	80
Borough Street Repairs	135	S.Y.	15.00	2,025
State Highway Repairs	440	S.Y.	35.00	15,400
Concrete Repairs	1	L.S.	1,000.00	1,000
STEP Pumps (Complete)	4	Ea.	3,400.00	13,600
Grinder Pumps (Complete)	1	Ea.	7,500.00	7,500
Air Release Valves	1	Ea.	2,000.00	2,000

TOTAL ESTIMATED CONSTRUCTION COST OF ALTERNATE NO. 9: \$ 89,225



### Project Costs

During the evaluation of various pipeline layout alternatives, percentage allowances for associated project costs and engineering were utilized. These allowances are also listed in Exhibit G. The costs for sites and easements were estimated separately. Each alternative was subjected to present worth computations which analyze not only the initial construction costs, but also includes most O&M costs and salvage values, in order to make a fair cost comparison for the design life of each facility. The computation of an average annual equivalent cost per EDU is the end result and is used for comparison purposes only. This figure is not the annual sewer rental charge to each customer, since it does not consider treatment expenses and grant contributions. The estimated total project cost for the initial construction project is \$1,050,000 as broken down in Table 10.

### Operation and Maintenance Costs

It is expected that York Haven Borough would share in the cost of hiring one full time certified plant operator with several other area municipalities. Proposed projects in Goldsboro and Lewisberry Boroughs or other plants (public or private) in the immediate vicinity are definite possibilities. The municipality could also contract with an outside private firm to provide operational services. In any event, the size of the plant and system could not support and justify the cost of a full time operator. A backup certified operator is also needed to meet DER requirements. Common sludge disposal sites could be permitted and operated jointly with several municipalities. Sludge removal, hauling, and disposal would be performed through contracted services with a private firm or by another waste treatment facility. No sludge vehicles or laboratory facilities are proposed for this project. All lab testing required for operation reports would be performed by the part-time shared operator.

The estimated operating, administration, and maintenance costs for the proposed system are listed on Table 11. In an attempt to reduce administration costs, we recommend that sewer billings be invoiced with garbage bills and that a "flat rate" rate structure be considered.

In order to reduce the amount of FmHA long-term financing, a one time \$350 tapping fee should be charged when the application for hookup is made. A discount for early application and hookup is normally allowed to encourage prompt property owner action. We have allowed a \$50.00 discount in our computations. Also a \$25.00 plumbing permit fee should be assessed for each connection to cover the municipal costs of plumbing inspections (2 visits @ \$10.00/Ea.) and administrative expenses (\$5.00) for setting up billing accounts and performing the initial record keeping.

The estimated annual sewer rental for each customer (EDU) has been computed on Table No. 12. Assuming an FmHA Grant of \$632,500 and a \$300 tapping/connection fee, the annual cost for a typical residential user is \$253.80 or \$21.15 per month.



TABLE 10  
ENGINEER'S ESTIMATED PROJECT COSTS  
FOR INITIAL CONSTRUCTION

<u>Item Description</u>	<u>Estimated Cost</u>	
<b>CONSTRUCTION COSTS:</b>		
Basic Collection System	\$458,185	
Wastewater Treatment Plant	279,000	<u>\$ 737,185</u>
<b>PROJECT COSTS:</b>		
Admin. & Legal/Bond Counsel Fees		30,000
Preliminary Expenses		1,000
Land and Right-of-Ways		
Site Acquisition (2.9 Ac.)	500	
1 - Easement	200	
Appraisals & Evaluation	300	<u>1,000</u>
Engineering Basic Services (\$737,185 x 8.2%)		60,450
Additional Engineering Services		
Site Borings	2,500	
Well Test and Lab Expenses	200	
Site and R/W Survey & Plans	1,300	
Construction Stakeout	4,500	
Administrative Assistance*	12,000	
O&M Manual	9,000	<u>29,500</u>
Project Inspection Fees		
Engineer's Resident Representative (\$737,185 x 4.2%)	30,960	
Audit Fees	800	
CONRAIL Inspection and Approvals	1,200	<u>32,960</u>
Equipment, Signs, and Electric Service		4,000
Construction Contingency (\$737,185 x 10%)		73,718
Financing Costs		
Interest During Construction	50,873	
1/2 Year Initial O&M Costs	12,100	
Initial Reserve	5,000	
Repay Outstanding HUD Loan	12,214	<u>80,187</u>
<b>TOTAL ESTIMATED PROJECT COST:</b>		<b>\$1,050,000</b>

\* Provide assistance to Borough Officials in the preparation of Sewer Ordinances; Plumbing Codes; Various letters to to property owners, including hookup notices; Prepare Act 339 Application; Prepare CDBG Application; Intermunicipal correspondence re: WWTP operator hiring, Lab testing; negotiate sludge disposal contract; Sewer Billings; Prepare requisitions and assist in other local financial matters.



TABLE 11  
ENGINEER'S ESTIMATED OPERATION AND MAINTENANCE COSTS

<u>Item Description</u>		<u>Estimated Cost</u>
<b>TREATMENT EXPENSES:</b>		
Wages and Payroll Taxes (Shared Operator)	\$ 8,000	
Electric (6,700 KWH/Mo x 12 Months)	3,750	
Oil (120 Gals/Year x \$1.25/Gal)	150	
Chemicals (Alum, Polyelectrolyte, Chlorine)	6,100	
Laboratory Test Fees (BOD <sub>5</sub> , SS, PO <sub>4</sub> )	450	
Equipment Maintenance and Repairs	500	
Plant Site Maintenance	150	
Sludge Pumping, Hauling, and Disposal (\$50/month x 12 Months)	<u>600</u>	\$ 19,700
<b>SEWER LINE MAINTENANCE EXPENSES:</b>		
Cleaning 1/5 of System Per Year (6,200 L.F. x \$0.50/L.F. x 0.20)	620	
Miscellaneous T.V. Inspections	<u>200</u>	820
<b>ADMINISTRATIVE EXPENSES:</b>		
Wages and Payroll Taxes	1,200	
Office Supplies	30	
Insurance	450	
Billing Expenses	300	
Advertising Expenses	100	
Railroad Rental	<u>100</u>	2,180
<b>PROFESSIONAL SERVICES:</b>		
Engineering Fees	300	
Legal Fees	300	
Accounting Fees	500	
Trustee Fees	<u>400</u>	1,500
<b>TOTAL ESTIMATED OPERATION &amp; MAINTENANCE COSTS:</b>		<b>\$ 24,200</b>
<b>LESS - ACT 339 STATE SUBSIDY:</b> ( $\$335,000 \times 50\% \times 2\%/Year$ )		<u>- 3,350</u>
<b>NET COST FOR OPERATION AND MAINTENANCE EXPENSES:</b>		<b>\$ 20,850</b>



TABLE NO. 12  
ESTIMATED PROJECT FUNDING WITH FmHA LOAN AND GRANT

<u>Item Description</u>	<u>Totals</u>
ESTIMATED PROJECT COST:	
Construction Costs	
Collection System	\$ 458,185
Treatment Plant	279,000
Associated Project Costs	<u>312,815</u>
TOTAL ESTIMATED PROJECT COST:	\$1,050,000
LESS FmHA GRANT:	- 623,500
LESS TAPPING/CONNECTION FEES:	- <u>49,200</u>
(164 Connections @ \$300 Each)	
TOTAL FmHA LOAN REQUIRED:	\$ 377,300
ESTIMATED ANNUAL EXPENSES:	
Debt Service (40 years @ 9 1/8%)	\$ 35,512
(\$377,300 x 0.09412)	
Reserve	3,551
(10% x \$35,512)	
Operation & Maintenance Expenses	<u>20,850</u>
TOTAL AMOUNT OF ANNUAL COSTS:	\$ 59,913
ESTIMATE OF REQUIRED REVENUES:	
Computation of Sewer Rentals	
(\$59,913/Yr. ÷ 236 EDU's)	\$253.80/Year
(\$253.80/Yr. ÷ 12 Months)	\$ 21.15/Month
PROJECTED BREAKDOWN OF ANNUAL SEWER RENTAL:	
Debt Service	\$150.47/Year
FmHA Reserve	\$ 15.05/Year
Operation & Maintenance Expenses	<u>\$ 88.28/Year</u>
TOTAL ANNUAL SEWER RENTAL:	\$253.80



### Governmental Assistance

As previously indicated, the Borough has been unsuccessful on two occasions to secure grant assistance from EPA under the PL 660 and PL 92-500 Wastewater Construction Grants Program, administered under the Clean Water Act, as amended. The Borough also applied for 50% collection system grants in 1971 and 1972 with the U.S. Department of Housing and Urban Development (HUD) which proved unproductive. York Haven did receive assistance from HUD for preliminary planning and engineering assistance in 1970 and has an obligation to repay this \$12,214 outstanding loan when public sewers are constructed.

Local Municipal financing is subject to the Pennsylvania Local Government Unit Debt Act and other applicable sections of the Borough Code. Normally, financing is through the issuance of notes or bonds (sewer revenue or general obligation) with debt retirement through service charges and/or assessments. Local financing can be done by either the Borough or a Municipal or Sewer Authority created by the Borough to assume the responsibility of the financing construction and possibly the operation of the sewer system.

Construction financing can also be accomplished through short-term borrowing (normally 10 to 20 years) and assessing abutting property owners. The basis for assessment may be by front footage or a benefits method. The specific requirements for each are described in the Borough Code. Front foot assessments have been very unpopular in communities with same narrow lots, with the larger lots paying a higher premium for the same service. Assessment by the benefits method is generally more equitable.

Because this study is designed to accompany an application to FmHA, for grant and loan assistance, the projected method of financing is through the payment of quarterly sewer rentals. No type of property assessment is anticipated. Several grant and loan programs have been established by the Federal and State Government to assist communities in installing public sewers.

### Farmers Home Administration (FmHA)

The FmHA provides loans and grants to rural communities for sewer and water systems. Municipalities (service areas) with 10,000 or less persons are eligible. The amount of loan and/or grant assistance is tied directly to the median family income. FmHA is an agency of the U.S. Department of Agriculture and assistance is provided under the Consolidated Farm and Rural Development Act (7 U.S.C. 1921, et seq.).

The interest rate for FmHA loans changes periodically following market conditions. Current information can be obtained by contacting the York County or State FmHA Office:

Farmers Home Administration  
124 Pleasant Acres Road  
York, PA 17402  
Phone: (717) 757-7635

Farmers Home Administration  
P.O. Box 905, Federal Building  
Harrisburg, PA 17108  
Phone: (717) 782-4476



### Community Development Block Grant (CDBG)

Site acquisition, construction, reconstruction or installation of public facilities, including sewer facilities, are eligible activities under the CDBG program. This program is administered by the York County Planning Commission for the U.S. Department of Housing and Urban Development.

The CDBG program makes grants available to municipalities to be utilized for activities which will benefit low and moderate income families, help prevent or eliminate slums or blight, or meet community development needs having a particular urgency.

York Haven Borough has been designated as a Neighborhood Strategy Area (NSA). The Planning Commission is obligated to target funds to several of the NSA's in York County. We believe that the future extensions identified in this study are eligible for CDBG Funds and we recommend that the Borough apply for additional assistance after the basic system is constructed for these extensions.

While local officials have had past experience with the public works improvements portion of the CDBG program, a Sewer Hookup Program is also administered by the York County Planning Commission. The program provides low interest loans and/or grants to applicants meeting specified income requirements. Grant assistance up to \$1,500 can be used to pay for the individual plumbing hookup costs, payment of tapping/connection fees and plumbing permit fees. Additional low interest loan funds are available under the Home Rehabilitation Program for inside plumbing renovations or initial installation where no indoor plumbing facilities exist. Further details about all of these programs can be obtained by contacting:

York County Planning Commission  
118 Pleasant Acres Road  
York, Pennsylvania, 17402  
Phone: (717) 757-2647

### Community Facilities Grant (Harness Racing Funds)

These funds, provided by the Pennsylvania Department of Commerce, may be used for construction, rehabilitation, alteration, expansion or improvement of sewer and water systems. To be eligible under this program, municipalities must have a population of less than 12,000. The State will grant 75% of the total eligible project cost up to a maximum of \$75,000. Local participation must be at least 25% of the project cost.

The purpose of the Community Facilities Program is to provide grants for needed facilities to strengthen the income-producing capability, improve the health and safety, and alleviate financial hardship of the community. It is a viable source of funds to supplement other financing. Letters of intent to file an application under this program must be filed between January and April. If the project is considered eligible and feasible, applications are filed between March and May; and grant awards to selected projects are generally made in July each year.



The program is administered by:

Bureau of Economic Assistance  
 Pennsylvania Department of Commerce  
 412 South Office Building  
 Harrisburg, Pennsylvania 17120  
 Phone: (717) 783-1768

### Implementation Schedule

An optimistic implementation schedule has been developed assuming timely approval of this for financing by FmHA. Borough officials should begin work on the required application to FmHA to insure obligation of funds within the designated time period. The projected implementation schedule is shown on Table No. 13.

Concurrently with this schedule, elected officials and the legal counsel should research the present status of it's Sewer Authority and update appointments, if necessary. If an Authority has not been organized under charter, the elected officials should discuss the necessary steps with their solicitor. The type of authority, "operating" or "leaseback", should be decided. Under a leaseback arrangement, the Municipal Authority finances the system and leases it back to the Borough, which is responsible for the day to day operations. An operating Authority is normally responsible for the day to day operations. Under either setup, cooperation between the two bodies is required. For example: where the Authority operates under the leaseback, Borough Council must compel the abutting property owners to connect to the system, and bill and collect sewer rentals.

Many permits must be secured and planning approvals obtained. The following permits have been identified for this project:

PA DER - Bureau of Water Quality Management Permit  
 PA DER - National Pollutant Discharge Elimination Permit  
 PA DER - Water Obstruction and Encroachment Permit (Outfall)  
 Corp of Engineers - Section 404 Permit (Outfall Headwall)  
 PA DOT - Highway Occupancy Permit  
 CONRAIL - Pipeline Occupancy Permit

The initial project requires one site "fee simple" acquisition and at least one sanitary sewer right-of-way or easement. Title or interest in real property may be obtained by the Borough or Municipal Authority through negotiations or condemnations under the Eminent Domain Code Statutes. The Borough's Legal Counsel should be contacted before attempting either route, for advice and recommendations. Property appraisals may also be required.

Two of the permits may also require the Municipality to pay inspection fees. Both PA DOT and CONRAIL generally have inspectors on the site to verify that the sewer installation does not damage public facilities. These inspection charges range from \$100 - \$150/day. CONRAIL requires that special insurance policies be maintained during construction. PA DOT requires the permittee to secure an Accompanying Bond, sometimes referred to as a Blasting Bond, which is a misnomer. The Accompanying Bond generally remains in effect during the first year of a two year maintenance guarantee period required by PA DOT.



CONRAIL agreements normally require the payment of annual rental charges for all crossings, plus the payment of the costs for the initial agreement preparation. There is no charge for the PA DOT permit, except for the costs of inspections and the Accompanying Bond. All work within PA DOT and CONRAIL rights-of-way must be performed in accordance with a specific set of design standards. PA DOT generally requires a complete resurfacing of the roadway where several perpendicular lateral crossings are made.

Unfortunately, extensive curb, sidewalk, and storm drainage improvements have been completed in various sections of the Borough. Damage to these facilities and other underground utilities are expected. Under the requirements of Pennsylvania Act No. 1974-247, the contractor is generally responsible for the costs to repair subsurface piping damaged as a result of the sewer installations. Normally the contractor is required to extend a lateral to each house to a point 2' or 3' behind the curb line or street cartway. Typically, concrete facilities are damaged. Our estimates include an allowance for generally concrete curb repairs only, since sidewalk repairs cannot be made until after the plumbing hookup is finished. This normally occurs after the initial installation has been completed and the original contract period has expired. The Borough can require the property owner to finish the repairs or have all the restorations made under a separate contract.

The sewer installation is also subject to inspection by the Owner, Engineer, PA DER, U.S. Army Corps of Engineers and FmHA Officials. The Contract for Construction is executed between the Owner and the Sewer Contractor. The Consulting Engineer also provides services for the Owner and follows the directions of the Owner. The Consultant acts as a liason between the Owner and the Contractor. The Engineer does not supervise or direct the construction. These responsibilities rest with the Contractor. The Engineer is generally an observer and verifies that all work is performed in accordance with the Contract Documents and that payments made by the Owner are correct and accurate.

#### SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

We recommend that the York Haven Borough proceed on the Implementation Schedule outlined in Table No. 13. The proposed project shall consist of the basic collection system and construction of the wastewater treatment facility at Site A. Should difficulties develop with the acquisition of the site or with securing CONRAIL permits, the system design can be modified to accomodate Site B. An initial contact with Penn Central Transportation Company representatives is highly recommended to avoid any redesign costs.

Since the initial project serves only the residents of York Haven Borough, no intermunicipal service agreements are required until later extensions are made into Newberry Township. Those extensions should be constructed and financed by the Township. The Township can purchase transportation and treatment services from the Borough at a specified rate. Under no circumstances should York Haven Borough deal directly with individual property owners located outside of its jurisdiction and boundaries. Those actions may be subject to Pennsylvania Public Utility Commission involvement, which should be avoided if possible.



We recommend that applications for the identified sewer extensions be made with the York County Planning Commission for CDBG funds as soon as possible after FmHA approval of the basic project is granted.

Should the general public favor the project, this feasibility study should be adopted by Borough Council as its Official Sewage Facilities Plan. The plan should be submitted to PA DER and the York County Planning Commission for planning concurrence. Lack of PA DER planning approval can significantly delay permit applications and/or approvals.



TABLE NO. 13  
IMPLEMENTATION SCHEDULE

Submit preapplication package	June 15, 1983
Complete engineering & feasibility study	July 1, 1983
Conduct Public Meeting	July 8, 1983
Submit application w/feasibility study	July 15, 1983
Receive & accept Letter of Conditions from FmHA, request Obligation of Funds, adopt feasibility study as Official Act 537 Sewage Facilities Plan, and initiate interim borrowing arrangements for design and site acquisition costs	August 8, 1983
Start Design, Preparation of Plans, Specifications, Contract Documents, R/W Map and submit feasibility study for Act 537 Planning Approval	August 15, 1983
Submit interim borrowing documents to FmHA for approval	September 12, 1983
Apply for permits and approvals from PA DER, PA DOT U.S. Corp of Engineers and other applicable agencies	October 10, 1983
Obtain options to purchase land for treatment works, and conduct Title Search	October 10, 1983
Submit R/W Certificate, R/W Map, Plot Plan and Attorney's Opinion Relative to Easements and Site acquisition to FmHA	October 10, 1983
Obtain Owner, Attorney, DER and FmHA approval of plans, specifications and contract documents; and all necessary permits	November 14, 1983
Initiate R/W negotiation or condemnation	November 14, 1983
Submit draft financing documents (Form of Bond or Note, Form of Bond Resolution, Bond Counsel's opinion regarding validity and exemption from taxes) to FmHA to obtain closing instructions	December 12, 1983
Receive permission to bid from FmHA	January 9, 1984
Receive bids	February 13, 1984
Obtain FmHA approval of advertisement, bid tabulation, engineer's recommendation for award of contract, and issue Notice of Intent to Award	March 12, 1984

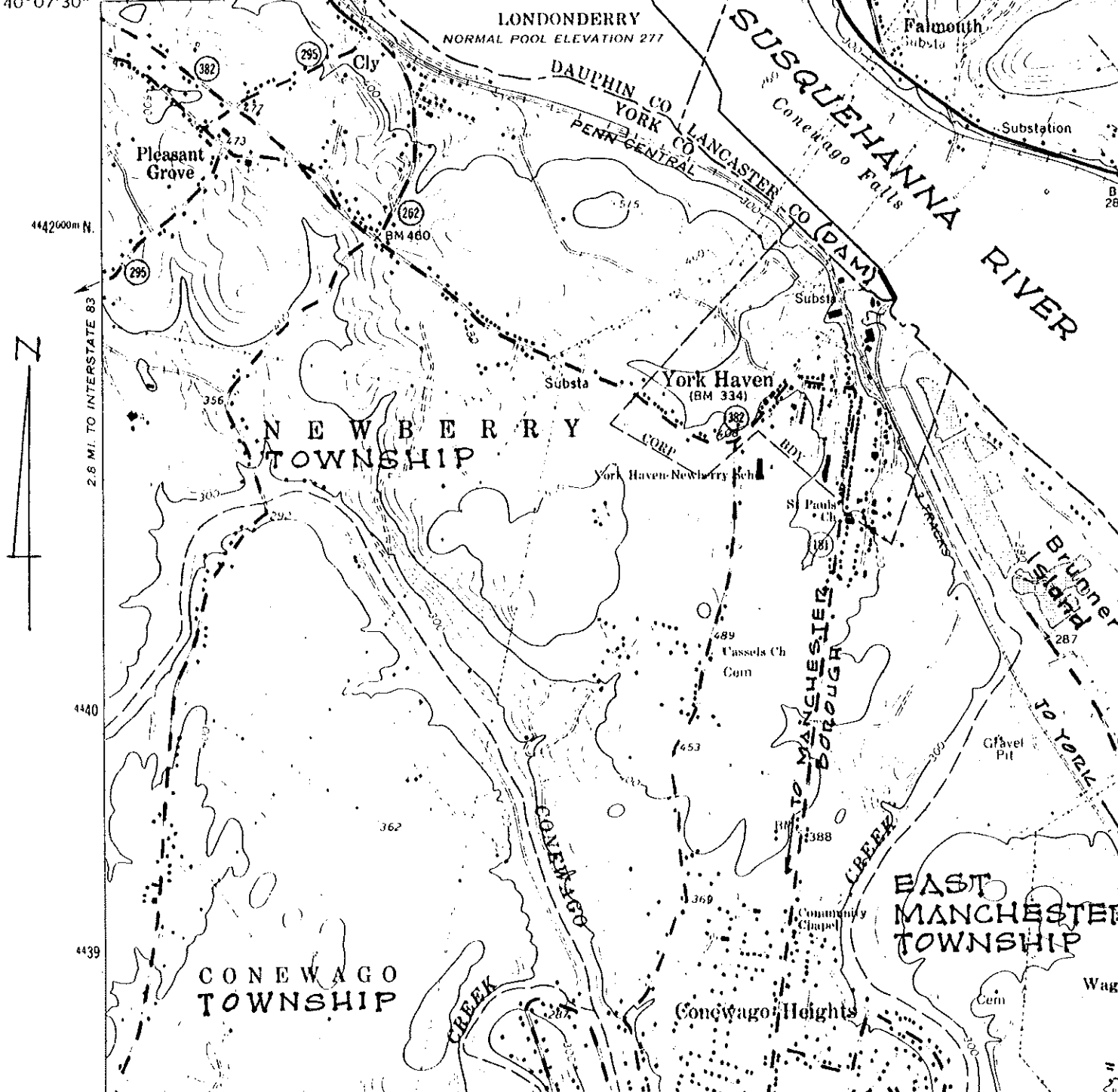


TABLE NO. 13 (CONTINUED)  
IMPLEMENTATION SCHEDULE

Obtain payment & performance bonds, contracts, and insurance certificates	March 26, 1984
Obtain FmHA approval of Contracts, Bonds, and Insurance Certificates, Issue Notice of Award, conduct FmHA Loan/Grant Closing	April 9, 1984
Conduct pre-construction conference	April 30, 1984
Issue Notice to Proceed and start construction	May 14, 1984
Conduct final inspection and issue Certificate of Substantial Completion	May 13, 1985
Initiate start-up and testing of facility and issue Notices of Sewer Service Availability	May 15, 1985
Submit 11th month Engineering Report	April 12, 1986

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

76°45' 351000m E. 262 GOLDSBORO 2.1 MI. 353 MIDDLETOWN 5.3 MI. 441 42'30" 355  
40°07'30"



442000m N.  
2.6 MI. TO INTERSTATE 83

4440  
4439

5'  
STRINESTOWN (PA. 295) 0.8 MI.

YORK HAVEN, PA.  
SW/4 MIDDLETOWN 15' QUADRANGLE  
N4000—W7637.5/7.5

1964  
PHOTOREVISED 1972  
AMS 5664 II SW—SERIES V831

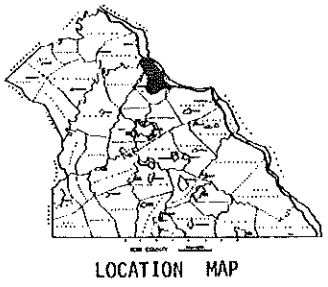
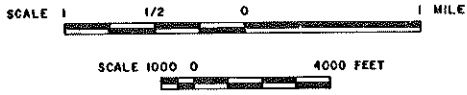
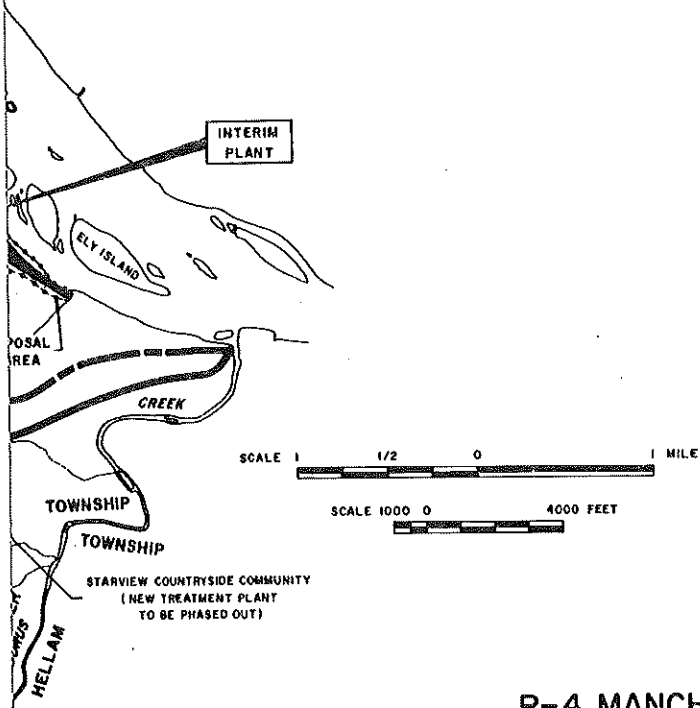
EXHIBIT A  
AREA MAP OF  
YORK HAVEN BOROUGH

Scale: 1" - 2,000'

**MAP LEGEND**

- |         |   |   |  |
|---------|---|---|--|
| ●       | EXISTING MUNICIPAL WASTEWATER TREATMENT PLANT TO BE CONTINUED.                      | ▨ | RESIDENTIAL (MEDIUM TO HIGH DENSITY).                          |
| ⊗       | EXISTING MUNICIPAL OR PRIVATE WASTEWATER TREATMENT PLANT TO BE PHASED OUT.          | ▩ | RESIDENTIAL (LOW TO MEDIUM DENSITY).                           |
| ⊙       | PROPOSED REGIONAL OR LONG-TERM WASTEWATER TREATMENT PLANT.                          | ▧ | VILLAGE CENTER.  |
| ⊕       | PROPOSED INTERIM WASTEWATER TREATMENT PLANT.  | ▦ | COMMERCIAL.  |
| ○       | EXISTING PRIVATE WASTEWATER TREATMENT PLANT.  | ▥ | INDUSTRIAL.  |
| ▲       | EXISTING INDUSTRIAL WASTE TREATMENT PLANT.  | ▤ | OPEN SPACE, WOODLAND, RECREATION.                              |
| ■       | EXISTING PUMPING STATION.   | ▣ | REGIONAL LIMITS.   |
| □       | PROPOSED PUMPING STATION.   | ▢ | DRAINAGE BASIN DIVIDE.   |
| → 10"   | EXISTING MAIN INTERCEPTOR SHOWING DIAMETER AND DIRECTION OF FLOW.                   | ⊙ | UNINCORPORATED VILLAGE.  |
| → 8"    | PROPOSED MAIN INTERCEPTOR SHOWING DIAMETER AND DIRECTION OF FLOW.                   | ⊖ | APPROXIMATE MUNICIPAL BOUNDARIES.                              |
| → 4" FM | PROPOSED FORCE MAIN SHOWING DIAMETER AND DIRECTION OF FLOW.                         | ○ | EXISTING OR PROPOSED DEVELOPMENTS INCLUDING MOBILE HOME PARKS. |
| [0.55]  | CAPACITY IN MGD (AVERAGE 24 HR. FLOW FOR TREATMENT PLANT OR MAJOR PUMPING STATION). |   |  |
| →       | PROPOSED RURAL INTERCEPTOR.   |   |  |
| →       | ON-LOT SEWAGE DISPOSAL PROBLEM AREA.  |   |  |
| -----   | SEWERED AREAS.  |   |  |
| -----   | COUNTY BOUNDARY LINE.   |   |  |
| -----   | MUNICIPAL AND TOWNSHIP BOUNDARY LINE.   |   |  |

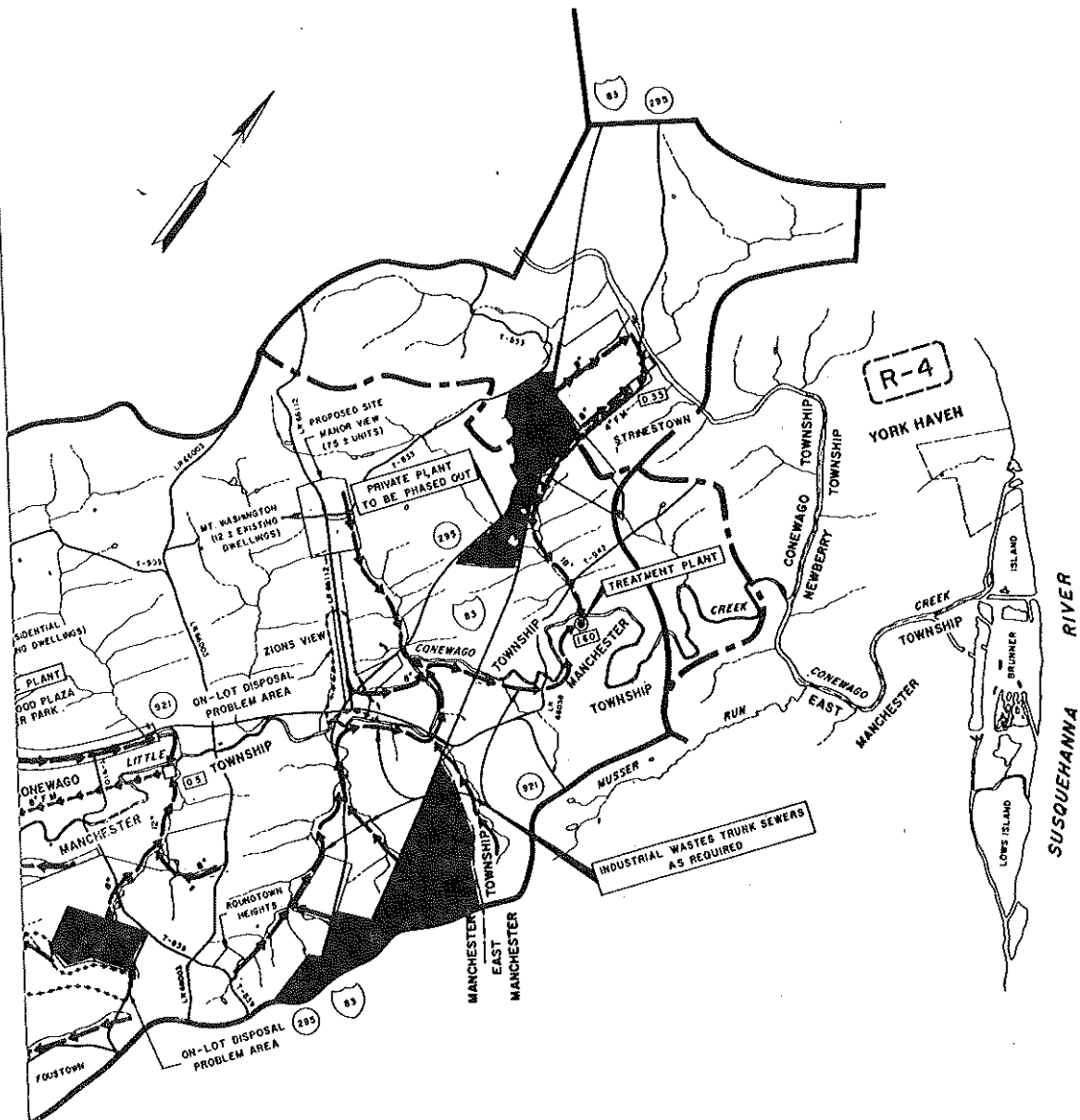
- NOTES:**
1. UNLESS OTHERWISE NOTED, PUBLIC SEWERS ARE PROPOSED FOR ALL DEVELOPMENTS SHOWN IN COLOR.
  2. PUBLIC SEWERS ARE PROPOSED FOR ALL AREAS SHOWN AS "ON-LOT DISPOSAL PROBLEM AREAS".
  3. THE PROPOSED INTERCEPTORS AND FORCE MAINS IN "SEWERAGE PLAN-YEAR 1980" ARE NOT REPEATED IN "SEWERAGE PLAN-YEAR 2000".
  4. THE SIZES OF TRUNK SEWERS AND FORCE MAINS SHOWN ARE FOR COST ESTIMATING PURPOSE ONLY.



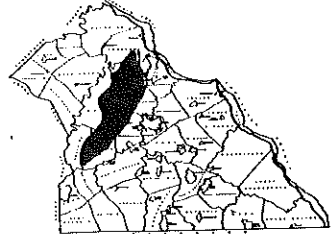
**R-4 MANCHESTER - MOUNT WOLF REGION**  
**SEWERAGE PLAN - YEAR 1980**

*EXHIBIT B*

PLATE NO. 8



(1970-1980)-HIGH  
 (1980)  
 29,734  
 4,801  
 34,535  
 ON-LOT DISPOSAL-FROM AVERAGE TO VERY POOR  
 TO BE SERVED BY SEWERS  
 WASTEWATER DISCHARGES - 0.99 MGD



LOCATION MAP

**R-8 DOVER-MANCHESTER REGION**  
**SEWERAGE PLAN - YEAR 1980**

**EXHIBIT C**



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL RESOURCES  
 BUREAU OF WATER QUALITY MANAGEMENT  
 407 South Cameron Street  
 Harrisburg, Pennsylvania 17101  
 (717) 787-9665  
 May 16, 1983

EXHIBIT D

Sewerage  
 Effluent Limits  
 York Haven Borough  
 York County

Mr. Richard Resh  
 C. S. Davidson, Inc.  
 38 North Duke Street  
 York, PA 17401

Dear Mr. Resh:

In response to your May 6, 1983 request, we have developed effluent limits for the three alternatives discussed in your request. Any changes in the size or location of the discharge will require a re-evaluation of that alternative. The limits in mg/l are:

Alternative 1

Discharge of .12 MGD of treated domestic waste to the Conewago Creek at L.R. 66153 (Locust Street) approximately 1,100 feet upstream of the Susquehanna River. (It is assumed that the pipe will be submerged to allow proper mixing.)

<u>Parameter</u>	<u>Concentration</u>	
	<u>Monthly Average</u>	<u>Instantaneous Maximum</u>
5-Day BOD	30	60
Suspended Solids	30	60
Total Phosphorus	2	4
Dissolved Oxygen	Minimum of 5.0 at all times.	
pH (S.U.)	Within range of 6 to 9 at all times.	
Fecal Coliform	Not greater than 200/100 ml as a geometric average value, not greater than 1,000/100 ml in more than 10% of the samples tested from May 1 to September 30; not greater than 2,000/100 ml as a geometric average value during the remainder of the year.	

May 16, 1983

Mr. Richard Resh

- 2 -

Alternative 2

Discharge of .12 MGD of treated domestic waste to the Susquehanna River near the confluence with the Conewago Creek. (It is assumed that the pipe will be submerged to allow proper mixing.)

Same limitations as Alternative 1.

Alternative 3

Discharge of .12 MGD of treated domestic waste to the Met-Ed Dam Impoundment Area in the Susquehanna River approximate. (It is assumed that the pipe will be submerged to allow proper mixing.)

Same limitations as Alternatives 1 and 2, however, before formal Department approval, we would need a letter from the proper representative of Met-Ed expressing no valid objection to the discharge.

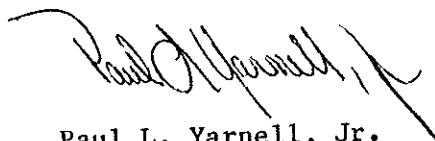
Issuance of these limits does not represent approval for a discharge to the waters of the Commonwealth. This information is provided as an aid in evaluating alternative wastewater disposal methods.

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

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

Please contact me should you have any questions.

Sincerely,



Paul L. Yarnell, Jr.  
Planning Section  
Harrisburg Regional Office

PLY:jrm



38 North Duke Street York, PA 17401  
(717) 846-4805

C.S. DAVIDSON (1923-1965)  
D.M. DAVIDSON (1965-1973)  
G.E. MILLER, President

May 6, 1983

PA Department of Environmental Resources  
Bureau of Water Quality Management  
407 South Cameron Street  
Harrisburg, PA 17101

Attention: Mr. Paul L. Yarnell  
Planning Section  
Harrisburg Regional Office

Re: Request for Effluent Limits  
York Haven Borough, York County

Gentlemen:

On behalf of our client, York Haven Borough, we request effluent limits for stream discharges for a wastewater treatment facility to initially serve the Borough of York Haven. We have enclosed a Data Sheet which outlines the proposed points of discharge and provides some preliminary design data.

As discussed by telephone on May 5, 1983, the Borough intends to apply for FmHA financing. The formal application must include an engineering feasibility study and several alternative treatment sites will be investigated. An extremely tight schedule has been developed by municipality and FmHA Officials and your immediate response to this request is required to meet the time frames established.

If there are any questions, please contact our firm promptly.

Very truly yours,

C. S. DAVIDSON, INC.

A handwritten signature in black ink that reads "Richard G. Resh". The signature is written in a cursive style.

Richard G. Resh

RGR:rmm

Enclosure

cc: Mr. Gethron S. Reeser, Secretary,  
York Haven Borough  
Mr. John R. Williams, Farmers Home Administration,  
U.S. Department of Agriculture



DATA SHEET  
YORK HAVEN BOROUGH  
YORK COUNTY, PENNSYLVANIA

POINTS OF DISCHARGE

Discharge Point 001: Point of discharge is to the Conewago Creek at L.R. 66153 (Locust Street) approximately 1,100 feet upstream of the Susquehanna River.

Alternate Discharge Point 002: Point of discharge is to the Susquehanna River near the confluence with the Conewago Creek.

Alternate Discharge Point 003: Point of discharge is to the Met-Ed Dam Impoundment Area in the Susquehanna River approximately 800 feet upstream of the Conewago Creek.

PRELIMINARY DESIGN DATA (to be verified or modified in engineering feasibility study)

Initial Design Flow: Year 1985  
250 EDU's @ 300 GPD = 70,000 GPD

Design Year Flow: Year 2005  
400 EDU's @ 300 GPD = 120,000 GPD

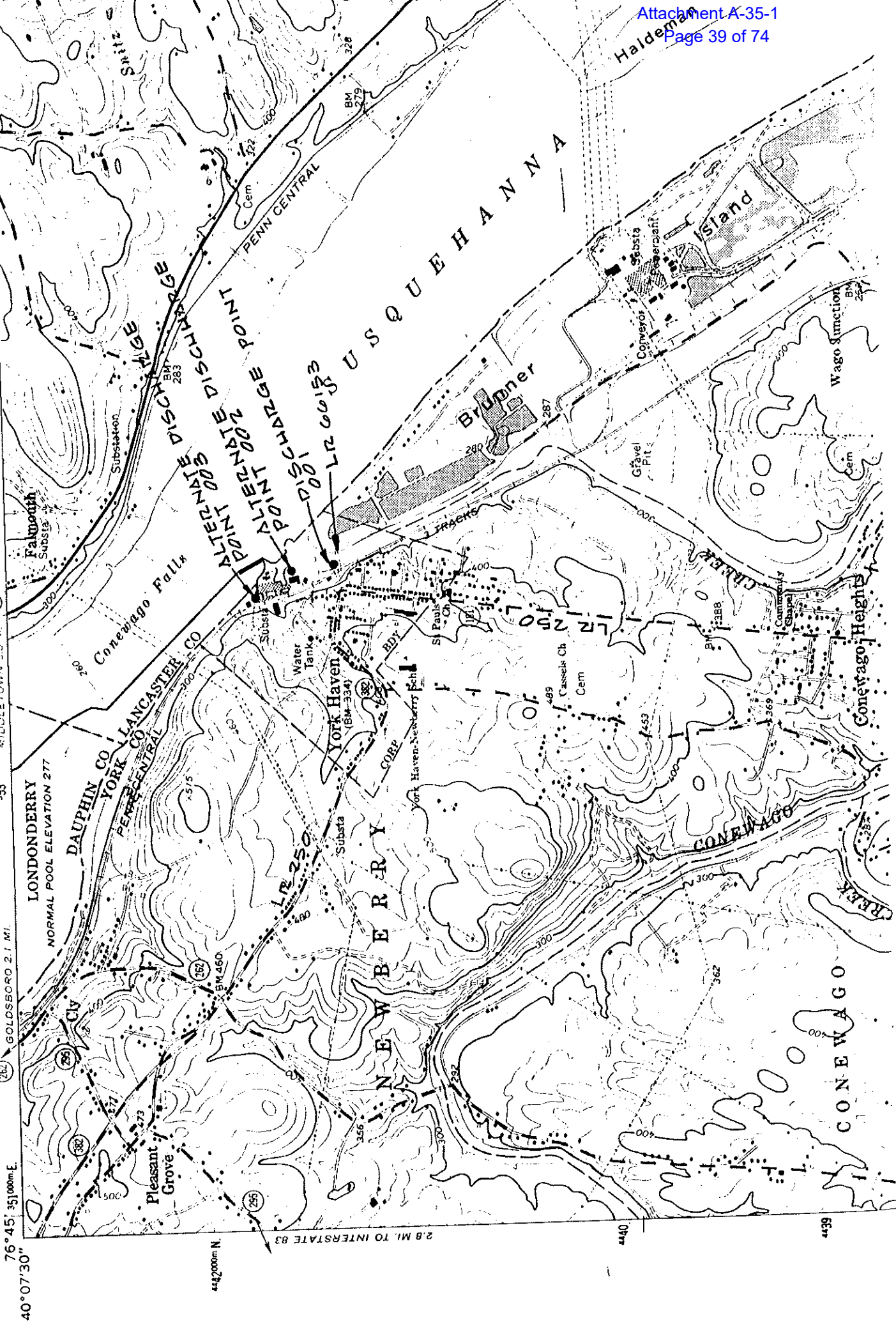
ATTACHMENTS

York Haven, PA U.S.G.S. Quadrangle showing points of discharge

Flood Insurance Rate Map showing 100 year and 500 year flood hazard boundaries with points of discharge.

5664 II NW  
(MIDDLETOWN)

5664 III NE  
(STEEL TON)



76° 45' 35" W  
40° 07' 30" N

4417000m N

2.8 MI. TO INTERSTATE 83

4410

439

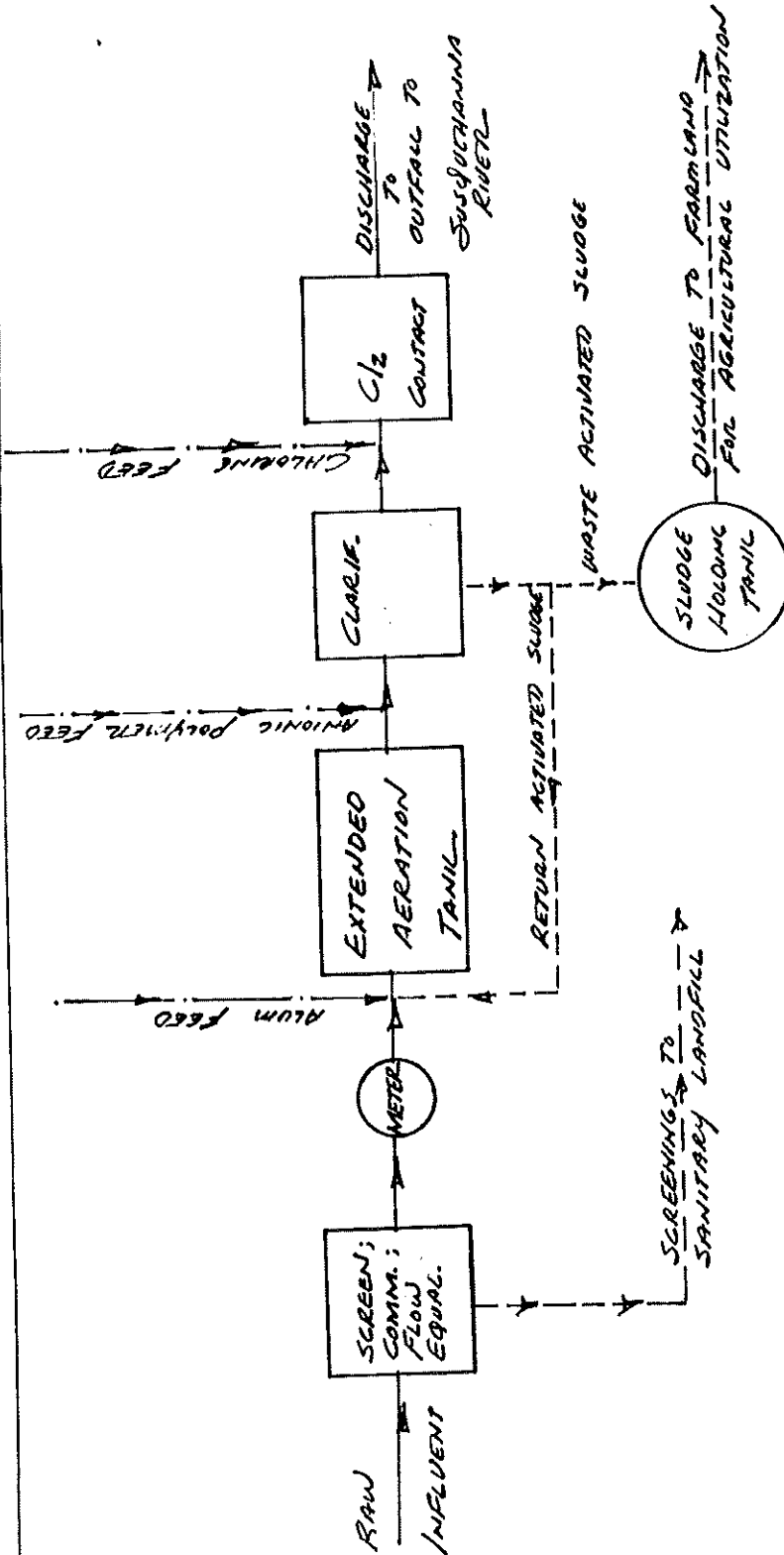
PREPARED BY JAK  
CHECKED BY \_\_\_\_\_



38 North Duke Street York, PA 17401  
(717) 846-4805

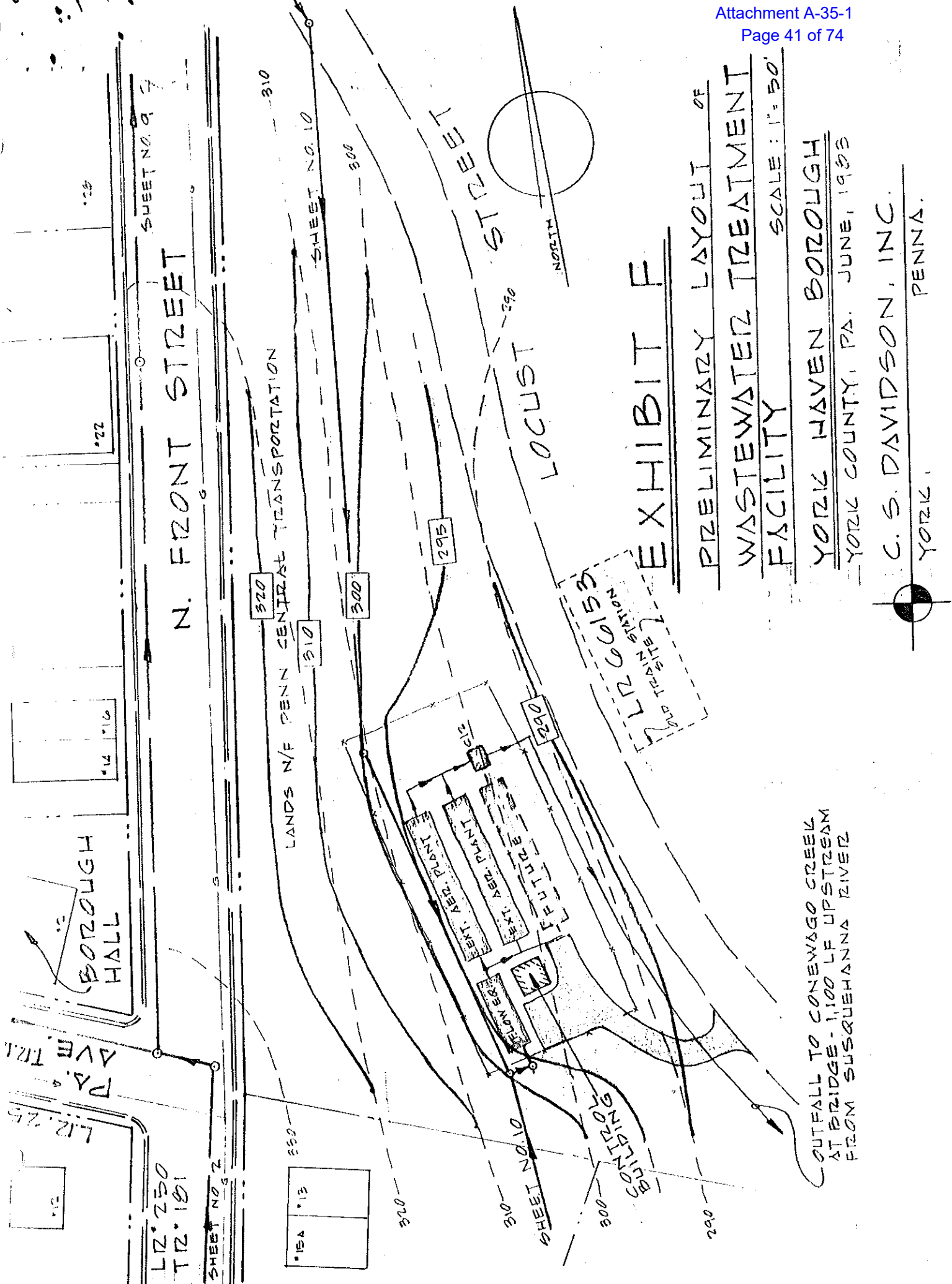
SHEET \_\_\_\_\_ OF \_\_\_\_\_  
DATE 6/21/83

CLIENT YORK HAVEN BOROUGH ACCT. NO. 1025.6.01.13  
TITLE FMHA FEASIBILITY STUDY  
STR FLOW SHEET



WASTEWATER TREATMENT PLANT FLOWSHEET

EXHIBIT "E"



N. FRONT STREET

SHEET NO. 9

BOROUGH HALL

PA. AVE. TRAIL

SHEET NO. 2  
LZ. 250  
TR. 181

LANDS N/F PENN CENTRAL TRANSPORTATION

SHEET NO. 10

LOCUST STREET

SHEET NO. 11

EXHIBIT F

PRELIMINARY LAYOUT OF  
WASTEWATER TREATMENT  
FACILITY

SCALE: 1" = 50'

YORK HAVEN BOROUGH  
YORK COUNTY, PA. JUNE, 1983

OUTFALL TO CONEWAGO CREEK  
AT BRIDGE - 1,100 LF UPSTREAM  
FROM SUSQUEHANNA RIVER

C. S. DAVIDSON, INC.  
YORK, PENNA.



EXHIBIT G  
COMPONENTS OF ESTIMATED CONSTRUCTION AND PROJECT COSTS

CONSTRUCTION COSTS

<p><u>8" and 6" Mains</u></p> <p>Excavation (6'-8' average) Rock removal Pipe materials &amp; installation Pipe bedding/trench shoring Backfill with existing materials</p> <p><u>Manholes (Complete)</u></p> <p>Excavation (6'-8' average) Materials, incl. frame and covers Rock removal Trench backfill Allowance for stubs and drop connections Paving repairs (Borough Streets Only)</p> <p><u>State Highways</u></p> <p>1 Foot cutback Trench repairs (5' ave. width) Full depth granular backfill Temporary restoration per PennDOT Permanent restoration per PennDOT Traffic control per PennDOT PennDOT Inspection Sealing and Cleanup</p> <p><u>STEP Pumps</u></p> <p>Excavation for pump &amp; tank New septic tank Electrical hookup Site restoration</p>	<p><u>4" Laterals (Complete)</u></p> <p>Excavation (5'-6' average) Rock removal Pipe, fittings, bends, stoppers Pipe bedding/trench shoring Trench backfill</p> <p><u>Borough Streets</u></p> <p>Trench repairs (3' ave. width) Temporary restoration Permanent restoration     8" Crushed Aggregate     1 1/2" Binder Course     1" Wearing Surface Sealing and cleanup</p> <p><u>1 1/4", 2", 2 1/2" Force Mains</u></p> <p>Excavation (4'-5' average) Pipe materials and fittings Pipe bedding/trench shoring Full depth granular backfill Allowance for in line valves and cleanouts</p> <p><u>Grinder Pumps</u></p> <p>Excavation for pump &amp; tank Holding reservoir Electrical hookup Site restoration</p>
---	--

PROJECT COSTS

Associated Costs:

Financing	11%
Legal	4%
Equipment	1%
FmHA Loan Repayment	2%
Administration and Preliminary Expenses	2%
<b>TOTAL:</b>	<b>20%</b>

Engineering:

Basic Services	8%
Resident Inspection	5%
Construction Stakeout	1%
R/W Surveys, Plans	1%
Administrative Assistance	4%
O&M Manual	1%
<b>TOTAL:</b>	<b>20%</b>

REVISED COMPUTATIONS  
APPROVED BY FARMER'S HOME ADMINISTRATION



Revised July 27, 1983

YORK HAVEN SEWER AUTHORITY  
TABULATION OF PROPOSED  
CONNECTIONS AND EDU'S

<u>Description</u>	<u>Total Connections</u>	<u>Total EDU's</u>	<u>Estimated Flow Gallons Per Day</u>	
<b>DOMESTIC USERS</b>				
Residential Gravity User	193	249	62,250	88.6%
Residential STEP User	5	5	1,250	1.8%
Residential Grinder User	4	4	1,000	1.4%
<b>SUBTOTAL:</b>	<u>202</u>	<u>258</u>	<u>64,500</u>	<u>91.8%</u>
<b>NON-DOMESTIC USERS</b>				
Public Utility	1	4	1,000	1.4%
Commercial	4	12	3,000	4.3%
Industrial	1	7	1,750	2.5%
<b>SUBTOTAL:</b>	<u>6</u>	<u>23</u>	<u>5,750</u>	<u>8.2%</u>
<b>TOTALS:</b>	208	281	70,250	100.0%

LIST OF NON-DOMESTIC USERS

<u>No.</u>	<u>Public Utilities</u>	<u>Location</u>	<u>Estimated EDU's GPD</u>	
20	York Haven Power Company	North Side Locust Street	4	1,000
<b>Commercial Establishments:</b>				
16	Patter's York Haven Hotel	19 South Front Street	3	750
17	York Haven Laundromat	17 South Front Street	5	1,250
23	Shelly's Restaurant & Bar	36 North Front Street	1	250
24	Dean & Phyllis Haven Hotel	22 North Front Street	3	750
<b>Industrial Establishments:</b>				
10	RMK Enterprises, Ltd.	Gay Street	7	1,750



Revised July 27, 1983

YORK HAVEN SEWER AUTHORITY  
ENGINEER'S ESTIMATED OPERATION AND MAINTENANCE COSTS

<u>Item Description</u>	<u>Estimated Cost</u>	
<b>TREATMENT EXPENSES:</b>		
Wages and Payroll Taxes (Shared Operator)	\$ 8,000	
Electric (7,400 KWH/Mo x 12 Months)	4,125	
Oil (120 Gals/Year x \$1.25/Gal)	150	
Chemicals (Alum, Polyelectrolyte, Chlorine)	6,100	
Laboratory Test Fees (BOD <sub>5</sub> , SS, PO <sub>4</sub> )	450	
Equipment Maintenance and Repairs	550	
Plant Site Maintenance	150	
Sludge Pumping, Hauling, and Disposal (\$55/month x 12 Months)	<u>660</u>	\$ 20,185
<b>SEWER LINE MAINTENANCE EXPENSES:</b>		
Cleaning 1/5 of System Per Year (8,300 L.F. x \$0.50/L.F. x 0.20)	830	
Miscellaneous T.V. Inspections	<u>225</u>	1,055
<b>STEP/GRINDER PUMP MAINTENANCE EXPENSES:</b>		
Wages and Payroll Taxes	800	
Electric	420	
Equipment Maintenance and Repairs	175	
Insurance	100	
Sludge Pumping and Hauling	<u>250</u>	1,745
<b>ADMINISTRATIVE EXPENSES:</b>		
Wages and Payroll Taxes	1,200	
Office Supplies	40	
Insurance	500	
Billing Expenses	400	
Advertising Expenses	100	
Railroad Rentals	<u>200</u>	2,440
<b>PROFESSIONAL SERVICES:</b>		
Engineering Fees	300	
Legal Fees	300	
Accounting Fees	500	
Trustee Fees	<u>475</u>	1,575
<b>TOTAL ESTIMATED OPERATION &amp; MAINTENANCE COSTS:</b>		<b>\$ 27,000</b>
<b>LESS - ACT 339 STATE SUBSIDY:</b> ((\$335,000 x 50% x 2%/Year)		<u>- 3,350</u>
<b>NET COST FOR OPERATION AND MAINTENANCE EXPENSES:</b>		<b>\$ 23,650</b>



Revised July 27, 1983

YORK HAVEN SEWER AUTHORITY  
ENGINEER'S ESTIMATED PROJECT COSTS  
FOR FmHA FINANCING

ESTIMATED CONSTRUCTION COSTS

	<u>Amount</u>
Contract No. 1 - Sanitary Sewers Basic System	\$ 458,185
Contract No. 1 - Sewers - Alternates 1,3,4,5, & 9	226,295
Contract No. 2 - Treatment Plant - General	257,020
Contract No. 3 - Plant - Electrical	18,000
Contract No. 3 - STEP - Electrical	4,000
Subtotal Construction Costs:	<u>\$ 963,500</u>

ESTIMATED ASSOCIATED PROJECT COSTS

Administrative Expenses

Advertising, Postage, Printing and Copying	\$ 1,000
Subtotal Administrative Expenses:	<u>\$ 1,000</u>

Legal and Fiscal Expenses

Local Counsel (Ordinances, Contracts, etc.)	\$ 11,500
Local Counsel (Rights-of-Ways)	7,500
Bond Counsel (Financing)	17,000
Interim Interest	50,000
Debt Service Initial Reserve ( $\$30,386 \times 10\%+$ )	3,100
Operation & Maintenance Reserve ( $\$2,250/\text{Mo.} \times 7 \text{ Mo.}+$ )	16,000
Repay Outstanding HUD Loan	12,200
Subtotal Legal & Fiscal:	<u>\$ 117,300</u>

Rights-of-way

1 - Site Acquisition (2.9 Ac.)	\$ 500
10 - Easements	5,200
3 - Appraisals & Evaluations	900
Subtotal Rights-of-Way Acquisition:	<u>\$ 6,600</u>

Engineering Basic Fees - Based on All Contracts

( $\$963,500 \times 7.8\%$ )	\$ 75,150
Less Feasibility Study	- 4,200
Subtotal Basic Fees	<u>\$ 70,950</u>



Additional Engineering Services

Site Borings	\$ 2,500
Well Test and Lab Expenses	200
Site and R/W Surveys, & Plans	4,000
Construction Stake-out	5,000
Administrative Assistance *	<u>12,000</u>
Subtotal Additional Services:	\$ <u>23,700</u>

Project Inspection Fees

Engineer's Resident Project Representation (10 Months) Resident Construction Inspector, Electrical Inspector, and Reimbursable Expenses	\$ <u>40,500</u>
Subtotal Inspection:	\$ <u>40,500</u>

Miscellaneous - Equipment

Safety equipment, spare parts, signs, electric service	\$ 8,000
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Construction Contingency

Based on All Contracts (\$963,500 x 10%+)	\$ <u>96,400</u>
Estimated Total Project Cost:	\$1,327,950

\* Provide assistance to Borough Officials in the preparation of Sewer Ordinances; Plumbing Codes; Various letters to property owners, including hookup notices; Prepare Act 339 Application; Intermunicipal correspondence re: WWTP operator hiring, lab testing; negotiate sludge disposal and hauling contracts; Sewer Billings; Prepare requisitions and assist in other local financial matters.



Revised July 27, 1983

YORK HAVEN SEWER AUTHORITY  
REVISED FmHA PROJECT FINANCING AND  
ANNUAL USER RATES

Cost per EDU prior to FmHA Financing

Estimated Total Project Cost	\$1,328,000	
Less Tapping Fees		
(264 Connections @ \$250/Ea.)	- 66,000	
	<u>\$1,262,000</u>	÷ 281 EDU's = \$4,491/EDU

FmHA Loan Calculation

Non-Domestic Users (Public Utility, Commercial, Industry)		
\$4,491 x 23 EDU's	=	\$103,293
Debt Service (38 yrs. @ 7 1/8%)		
\$103,293 x 0.07662	=	\$ 7,914
Residential Users:		
Debt Service (Based on median family income)		
\$15,043 x 1.00% x 258 EDU's	=	<u>\$ 38,811/Yr.</u>
TOTAL DEBT SERVICE:		\$ 46,725/Yr.
FmHA Loan (38 Yrs. @ 7 1/8%)		
\$ 46,725 ÷ 0.07662	=	\$609,832

FmHA Grant Calculation

Estimated Total Project Cost	\$1,328,000
Less Tapping Fees	- 66,000
	<u>\$1,262,000</u>
FmHA Loan	- 609,900
	<u>\$ 652,100</u>

Estimated User Rates

Domestic Customer: (per user)

Debt Service (\$38,811 ÷ 258 EDU's)	\$150.43
Reserve (\$150.43 x 10%)	15.04
Operation and Maintenance	<u>84.16</u>
	\$249.63/Yr. or \$20.80/Mo.

Non-Domestic Customer: (per EDU)

Debt Service (\$7,919 ÷ 23 EDU's)	\$344.30
Reserve (\$344.30 x 10%)	34.43
Operation and Maintenance	<u>84.16</u>
	\$462.89/Yr. or \$38.57/Mo.

150 South Duke Street  
York, Pennsylvania 17403  
November 9, 1973

York Haven Borough Council  
Mr. Keith Rode, President  
Walton Street  
York Haven, PA 17378

Re: E-4 Sewerage Project

Gentlemen:

Unfortunately, I cannot attend your November 12, 1973 council meeting, but I trust I can explain the regional planning required of York Haven Borough relative to the E-4 area in this correspondence.

As you know, all Pennsylvania municipalities must have an official plan for sewerage facilities serving present and future needs. York Haven Borough has adopted the York County Sewerage Plan and has also completed a feasibility study to meet your sewerage planning requirements. Your official plan has not yet been approved by this Department. Your feasibility study proposes coverage only serving York Haven Borough. The regionalized plan for York Haven Borough projected in the York County Comprehensive Sewerage Plan indicates a joint project with Newberry Township and East Manchester Township utilizing the York Haven sewage plant. This regional approach is the only proposal that will be approved for York Haven Borough. This means that the York Haven sewage plant must be of sufficient size to accept sewage from Newberry and East Manchester Townships. Costs involved in this type project will be shared by the three (3) participating municipalities. In addition, the chances of obtaining 75 percent Federal funding for the total project is greatly enhanced by a joint request.

At this point the Borough faces a decision concerning the Federal grant for your sewage plant. I have conferred with Mr. Marshall Cashman and Mr. J. Del Rio of the grants division in Harrisburg relative to this decision. Their recommendation as well as mine is to refuse the grant for the sewage plant and cooperate with Newberry and East Manchester Townships and apply for 75 percent total project funding for the regionalized facility.

York Haven Borough Council

Page 2

November 9, 1973

It is extremely unfortunate that this route will take a little more time than accepting the grant right now and constructing your own system, but economically this is the best decision for York Haven Borough to make. Mr. Cushman further felt that the grant you have been given is for a regional facility and would not be honored if the plant were only to serve York Haven Borough.

This office has conferred with Newberry and East Manchester Townships who are ready and willing to meet and get started on the R-4 project as soon as possible. This project should not entail a great deal of time due to the existence of your feasibility study and the R-4 feasibility study for Newberry Township. All that remains is that for East Manchester Township's engineer Gordon Brown, Jr. (also Newberry Township's engineer) to add the East Manchester interceptor to the existing planning. Once the planning has been completed, the joint study must be officially adopted for each municipality.

I will be contacting you in the next seven (7) to ten (10) days for the purpose of setting up a joint meeting to get this project rolling and completed.

If you have any questions concerning this matter, please feel free to contact this office at 845-7561.

Very truly yours,

C. Kerry Leberknight  
Sanitarian

CEL:jb

cc: York County Planning Commission  
David W. Sapp - York Haven Borough Solicitor  
Gordon Brown, Jr.  
Newberry Twp. Supervisors  
East Manchester Twp. Supervisors  
Regional Sanitarian  
C. S. Davidson  
File

150 South Duke Street  
York, PA 17403  
Phone: 845-7563  
August 22, 1973

CERTIFIED MAIL - No. 057480  
York Haven Borough Council  
Mr. J. Norman Stoner, Secretary  
R. D. 2, Box 50  
Etters, PA 17319

Gentlemen:

All Pennsylvania municipalities are required by the Sewage Facilities Act--Act 537 to submit to the Department an officially adopted plan for present and future sewage needs for all areas within their jurisdiction. The York County Planning Commission through resolution of the individual municipalities of York County has prepared a general sewerage plan for the county to assist the municipalities in meeting their planning requirements under the Act. Copies of the plan have been mailed to all municipalities in late 1971 for their review.

By now, we feel that the Borough Council should have given this plan a thorough review in view of its sewerage needs within the next ten years. We feel that the plan meets the present sewage needs of the borough under the Sewage Facilities Act without additional studies at this time.

In order to satisfy the obligations of your municipality under Act 537 you must officially adopt the plan by resolution with a copy submitted to this office.

We will expect to hear from the borough concerning this matter on or before September 15, 1973, or we will have no alternative but to initiate the necessary action to restrict further development in the borough.

Very truly yours,

Chester E. Young  
Supervising Sanitarian

GEY:jb

Enc

cc: Regional Sanitarian  
York County Planning Commission  
Glenn Maurer ✓  
Geno Dal Pezzo  
File

*A4537 file*

150 South Duke Street  
York, Pennsylvania 17403  
December 12, 1973

NOTICE OF VIOLATION

CERTIFIED MAIL - No. 244295  
York Haven Borough Council  
Mr. Keith Rode, President  
Walton Street  
York Haven, PA 17370

Gentlemen:

All Pennsylvania municipalities are required by the Pennsylvania Sewage Facilities Act-Act 537 to plan for orderly implementation of sewage needs. By resolution of the municipalities, a plan was prepared by the York County Planning Commission.

This office has reviewed that portion of the plan as it relates to York Haven Borough. At this time, we find it to be conditionally acceptable pending receipt of the following information:

- A. Feasibility study done by C. S. Davidson for York Haven Borough must be officially adopted by York Haven Borough. If this has been done, please send me two (2) copies of said adoption.
- B. Two (2) copies of a joint agreement with York Haven Borough, Newberry Township, East Manchester Township and Manchester Borough signifying intent to cooperate in the R-4 planning project must be submitted to this office. A time implementation schedule must also be submitted for the R-4 project.
- C. York Haven Borough must update their plans for its sewage plant to a capacity capable of accepting sewage flow from Newberry Township, East Manchester Township and Manchester Borough.

These agreements, adoptions and corrections are to be delivered to this office within 120 days after receipt of this notice.

York Haven Borough Council  
Page 2  
December 12, 1973

If you have any questions concerning this matter, feel free to contact  
this office at 845-7561.

Very truly yours,

Chester E. Young  
Supervising Sanitarian

CEY:jb

bcc: Regional Sanitarian ✓  
Glenn E. Maurer  
James Donato  
York County Planning Commission  
C. S. Davidson  
File

April 17, 1974

SUBJECT: York Haven Borough  
York County

TO: John A. Sheffer, Jr.  
Regional Sanitarian  
Region III

FROM: *C. E. Young*  
Chester E. Young  
Supervising Sanitarian  
York County

Enclosed find three (3) copies of the feasibility study for York Haven Borough as submitted by their engineer. Distribute as follows:

One copy to Regional file

One copy to Jose del Rio — *Sent 4/19/74*

One copy to Glenn E. Maurer — *Sent 4/19/74*

CEY:jb  
Att.

150 South Duke Street  
York, PA 17403  
November 26, 1974

York Haven Borough Council  
Mr. Keith D. Rode, President  
39 Walton Street  
York Haven, PA 17370

Re: R-4 Sewerage Feasibility Study

Gentlemen:

This office has completed a preliminary review of the R-4 area sewerage feasibility study submitted by C. S. Davidson, Inc. for York Haven Borough, and find this study to lack a time implementation schedule. Due to the lack of a time schedule for the implementation of this sewerage project we cannot complete the review of your feasibility study. This time schedule should coincide with Newberry Townships time implementation schedule as submitted by Gordon Brown and Associates for Newberry Townships R-4 area involvement.

It is our understanding that East Manchester Township and Manchester Borough are in the process of conducting a feasibility study for the Musser Run area of East Manchester Township which will indicate if these two municipalities will or will not be involved in the R-4 project with York Haven Borough and Newberry Township. Once this study has been completed, a final decision can be made on the R-4 planning area.

This office will withhold final comments on your feasibility study until such time as a time implementation schedule is submitted to this office.

If you have any questions concerning this matter, please contact this office at 845-7561.

Very truly yours,

C. Kerry Leberknight  
Sanitarian

CKL:jb

cc: Sewage Facilities Consultant  
York County Planning Commission  
Newberry Township Supervisors  
Gordon Brown and Associates  
E. Manchester Township  
Manchester Borough  
C. S. Davidson  
File



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Water Quality Management  
130 North Duke Street

York, Pennsylvania 17401  
(717) 771-4481

December 2, 1982



Mr. David K. Conrad  
Sewage Enforcement Officer  
Newberry Township  
R. D. #2, Box 4  
York Haven, PA 17370

Re: Eutzy Plan  
Lot #3  
Michael & Theresa Houtz

*York Co*

Dear Mr. Conrad:

The Department has received and reviewed the information submitted for the purpose of meeting the exception to the limitations on permit issuance contained in Section 71.32(b)(1) of the Department's regulations. This information consists of the following items:

- 1) Application for sewage disposal system, ER-BWQ-290 A 73825;
- 2) Site investigation and percolation test report for the initial system, ER-BWQ-290 Appendix A;
- 3) Site investigation and percolation test report for the replacement system, ER-BWQ-290 Appendix A;
- 4) Sectional copies of a plot plan for N. Joseph and Shirley Eutzy recorded October 27, 1980;
- 5) Copy of an agreement made by Michael and Theresa Houtz dated October 26, 1982.

Even though this is the second submission for this lot, the information does still not allow the Department to make a finding for an exception. Section 71.32(b)(1) requires a restrictive covenant which runs with the land. The agreement submitted would be in effect only for the time during which the Township's Official Plan remains in a disapproved status. Since this is not a permanent agreement, the requirement of Section 71.32(b)(1) has not been met.

DER  
WATER QUALITY MANAGEMENT

DEC 6 1982

HARRISBURG REGION

Mr. David K. Conrad  
Sewage Enforcement Officer  
Page 2  
December 2, 1982

If there are any questions concerning this matter, please contact this office.

Sincerely,

Mark J. Maser  
Sanitarian

MJM:jdm  
Enclosures

cc: Newberry Township Supervisors  
Joel Sechrist, Solicitor  
Mr. & Mrs. Michael Houtz  
Sewage Facilities Consultant



38 North Duke Street York, PA 17401  
(717) 846-4805

C.S. DAVIDSON (1923-1965)  
D.M. DAVIDSON (1965-1973)  
G.E. MILLER (1973-1982)  
D.M. DAVIDSON, JR., President

October 7, 1983

Newberry Township Board of Supervisors  
Attention: Mr. Henry W. Clemens, Jr., Secretary  
R.D. #2, Box 4  
York Haven, PA 17370

East Manchester Township Board of Supervisors  
Attention: Mrs. Phyllis L. Bear  
R.D. #2, Box 479B  
Manchester, PA 17345

Re: Sanitary Sewer System  
York Haven Borough, York County

DEP  
WATER QUALITY MANAGEMENT  
NOV 13 1983  
HANOVERSBURG REGION

Gentlemen:

The York Haven Sewer Authority has received a Farmer's Home Administration Grant and Loan to finance and construct a sanitary sewer collection system and wastewater treatment plant in York Haven Borough. The proposed facilities are described in the attached feasibility study. The project is currently under review by the York County Planning Commission and we expect that the report will be adopted by the York Haven Borough Council on November 14, 1983 as their Official (Act 537) Sewage Facilities Plan.

The initial system will not include any treatment capacity for customers in you Township and will serve only the immediate needs of the Borough. However, proposed pipelines within the Borough will have some excess transportation capacity. The proposed wastewater treatment plant will consist of two 40,000 gallon/day (0.08 MGD) package units. A vacant area at the site will be left available to add one extra future 40,000 gallon/day (0.12 MGD) unit to serve undeveloped areas in the Borough and adjacent existing homes in Newberry Township, should the need arise. The costs of any future expansion would be shared portionately.



Newberry Township Board of Supervisors  
East Manchester Township Board of Supervisors  
Re: Sanitary Sewer System  
York Haven Borough, York County

October 7, 1983  
Page 2

The York Haven Sewer Authority is providing each municipality the opportunity to comment on the proposed project and requests your consultant to provide our office with a realistic estimate of projected needs for future wastewater treatment and pipeline capacity. We have also enclosed a revised implementation schedule for your records.

If there are any questions, please contact our office.

Very truly yours,

C. S. DAVIDSON, INC.  
Authority Engineers

A handwritten signature in cursive script that reads "Richard G. Resh".

Richard G. Resh

RGR:rms

Enclosures

cc: Ms. Patricia Hamilton, Secretary  
York Haven Sewer Authority  
Mr. Gethron S. Reeser, Secretary  
York Haven Borough Council  
Herbert, Rowland & Grubic, Inc.  
Gordon L. Brown & Associates, Inc.  
Joel O. Sechrist, Esquire  
Thompson McCullough, Esquire  
Mr. Mark J. Maser, Sanitarian,  
Pennsylvania Department of Environmental Resources  
Mr. Reed J. Dunn, Jr., Director,  
York County Planning Commission  
Ms. Loretta M. Gross, Secretary,  
Northeastern School District

BUREAU OF WATER QUALITY MANAGEMENT  
 407 South Cameron Street  
 Harrisburg, Pennsylvania 17101  
 (717) 787-9665  
 November 7, 1983

Official Plan  
 York Haven Borough  
 York County  
 DER Code #3-67970-001

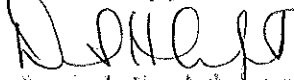
Mr. Richard Reek  
 C. S. Davidson, Inc.  
 38 North Duke Street  
 York, PA 17401

Dear Mr. Reek:

In response to your postcard application, enclosed find the Guidelines for Municipal Official Planning Act 537. In preparation of the plan revision required, it will be necessary to address the items marked in this booklet. The plan as well as the York County Planning Commission comments and appropriate resolutions of adoption should be submitted to this office for review and approval. The task activity report should be completed and submitted as soon as possible so that we may develop our Act 537 planning grant budget projections.

If you have any questions concerning this matter, please contact me.

Sincerely,



Daniel H. Arbogast  
 Sanitarian Sewage Consultant  
 Planning Section  
 Harrisburg Regional Office

DHA:jaa

cc: York Haven Borough  
 York County Planning Commission

Items Marked: 1.11, 1.12, 1.13, 1.14, 1.20, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.41, 2.42, 2.43, 2.45, 2.46, 3.1, 3.2, 3.3, 3.4, 3.42, 3.5, 3.7, 4.11 (i,iv), 4.21, 4.23, 4.24, 4.25, 4.28, 4.31, 4.4, 5.11, 5.12, 5.13, 5.16, 5.2, 5.3, 5.4, 5.5, 6.1, 6.2, 6.3, 6.4, 6.5, 7.0, 8.1

York County Office

File

T

## RESOLUTION NO. 83-9

## YORK HAVEN BOROUGH

ADOPTION OF AMENDMENT TO THE  
BOROUGH'S OFFICIAL SEWAGE PLAND E R  
WATER QUALITY MANAGEMENT  
NOV 18 1983  
HARRISBURG REGION

WHEREAS, the General Assembly of Pennsylvania enacted the Pennsylvania Sewage Facilities Act, Act 537, as amended, which became effective as of January 1, 1968, and

WHEREAS, the Pennsylvania Sewage Facilities Act, Act 537, as amended, requires that each municipality in the Commonwealth shall submit to the Pennsylvania Department of Environmental Resources an Official Plan adopted by the municipality for sewerage systems planned to serve areas within its jurisdiction, and

WHEREAS, the York Haven Borough Council initially adopted as their Official Act 537 Sewage Plan, the Comprehensive Sewerage Study and Plan, dated May 1972, as prepared by the York County Planning Commission, and

WHEREAS, York Haven Borough Council previously adopted a report entitled "Preliminary Feasibility Study for Sanitary Sewerage System" prepared by C. S. Davidson, Inc., dated February, 1974; as their Official Act 537 Sewage Plan, and

WHEREAS, previous funding applications by the York Haven Sewer Authority through the Pennsylvania Department of Environmental Resources to the U.S. Environmental Protection Agency were not successful, and

WHEREAS, a report entitled "Preliminary Sanitary Sewer Feasibility Study and Official (Act 537) Sewage Facilities Plan" prepared by C. S. Davidson, Inc., dated July 1, 1983; and an application have been approved by the Farmer's Home Administration for grant and loan funding,

NOW THEREFORE BE IT RESOLVED BY the York Haven Borough Council:


1. That, the Borough does hereby approve the July 1, 1983 Feasibility Study prepared by C. S. Davidson, Inc. as an amendment to the Borough's Act 537 (Official Sewage Facilities) Plan.
2. That, Alternatives Nos. 1, 3, 4, 5, and 9 be included with the Basic Collection System, if sufficient funds are made available through the Farmer's Home Administration.

3. That, the York Haven Sewer Authority is hereby directed to construct and finance the proposed system.
4. That, the copies of this resolution and data be submitted by the York Haven Sewer Authority to the York County Planning Commission and the PA Department of Environmental Resources for approval.

Adopted this 14th day of November, 1983.

ATTEST:

BOROUGH OF YORK HAVEN

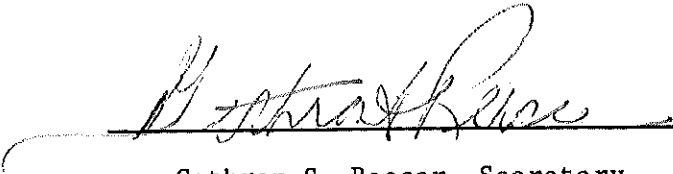
  
Gethron S. Reeser, Secretary

BY:   
Alan E. Haugh, President

CERTIFICATE

I, Gethron S. Reeser, the undersigned Secretary to the Borough of York Haven, York County, Pennsylvania do hereby verify that the above resolution was adopted by the Borough of York Haven during a publicly advertised meeting on November 14, 1983, and that the foregoing is a copy of the original resolution adopted by the York Haven Borough Council and inserted into the minutes of the aforementioned meeting.

(SEAL)



Gethron S. Reeser, Secretary

DATED: November 14, 1983



38 North Duke Street York, PA 17401  
(717) 846-4805

C.S. DAVIDSON (1923-1965)  
D.M. DAVIDSON (1965-1973)  
G.E. MILLER (1973-1982)  
D.M. DAVIDSON, JR., President

November 18, 1983

Commonwealth of Pennsylvania  
Department of Environmental Resources  
Bureau of Water Quality Management  
407 South Cameron Street  
Harrisburg, PA 17101

Attention: Mr. Daniel H. Arbegast  
Sanitarian Sewage Consultant  
Planning Section  
Harrisburg Regional Office

Re: Official (Act 537) Sewage Facilities Plan  
York Haven Borough, York County  
DER Code #3-67970-001

DER  
WATER QUALITY MANAGEMENT

NOV 18 1983

HARRISBURG REGION

Gentlemen:

The Borough of York Haven has tried unsuccessfully for several years to obtain federal assistance through the Pennsylvania Department of Environmental Resources (DER) from the U.S. Environmental Protection Agency (EPA). Even though the need for public sanitary sewer and waterwork facilities has been historically documented by several agencies, the project received a very low priority rating of only 45 points for an area with probably one of the highest on-lot malfunction rates in the Harrisburg Region. The municipality has been the subject of several studies and could not obtain the support of East Manchester and Newberry Townships or Manchester and Mt. Wolf Boroughs in sponsoring a 201 Facilities Planning Study.

In April, 1983, the Farmer's Home Administration (FmHA) approached the municipality and offered the necessary grant and loan funds to construct a municipal sewer system. A feasibility report conforming to FmHA form requirements was prepared by our office, approved by FmHA and the York County Planning Commission, and adopted by York Haven Borough Council as their Official Sewage Facilities Plan. The report was completed prior to the publication of the Guidelines on Municipal Sewage Official Planning Act 537 received by our office on November 15, 1983.

While the attached study does not specifically address all items in the Guidelines, the adopted report contains most of the items requested. It was originally agreed with Borough and FmHA Officials that no time was to be spent to inventory problems, analyze soil and suitability characteristics, or investigate on-site management solutions as identified under Section 3 entitled, "Evaluation of Wastewater Treatment Needs". The most affordable public sewer system layout serving and meeting the needs of the existing community was the only option to be evaluated and this appears to be consistent with the State's "COWAMP" Report.



Commonwealth of Pennsylvania                      November 18, 1983  
Department of Environmental Resources            Page 2  
Attention: Mr. Daniel Arbegast  
Re: Official (Act 537) Sewage Facilities Plan  
York Haven Brough, York County  
DER Code #3-67970-001

As described in the report, the initial treatment plant construction is not being designed to serve surrounding municipalities or large undeveloped areas in the Borough. The proposed project will serve as a core for future expansion and will not place any additional financial burden on existing customers for future users. Copies of the report have been furnished to the two outlying municipalities and the School District. No responses have been received to date.

On behalf of the York Haven Borough Council and York Haven Sewer Authority, we have enclosed three (3) copies of various documents and we request DER comments and/or planning approval on the study. Design of the project has already begun and the concerns of the Pennsylvania Historical and Museum Commission will be addressed. If the proposed project is acceptable, we request that DER permanently remove the project from the State Municipal Discharge Inventory of Municipal Sewerage Construction Needs published in the Pennsylvania Bulletin on November 5, 1983 and that any active files with EPA on this matter be considered closed.

If there are any questions or if additional information is required, please contact our office.

Very truly yours,

C. S. DAVIDSON, INC.

A handwritten signature in cursive script that reads "Richard G. Resh".

Richard G. Resh

RGR:rms

Enclosures

cc: Mrs. Patricia A. Hamilton, Secretary,  
York Haven Sewer Authority  
Joel O. Sechrist, Esquire  
Mr. Gethron S. Reeser, Secretary,  
York Haven Borough Council  
Mr. Joseph C. Hoheneder, Assistant Director,  
York County Planning Commission  
Mr. Mark Maser, Sewage Consultant,  
PA DER, York Office  
Mr. Dennis Berkey, District Loan Specialist,  
Farmer's Home Administration

Water Quality Planning Module Component Review Summary  
Sewage Facilities Act

ROUTE

- 1. County York
- 2. Regional Log - In MLD 11/22/83
- 3. Sew Fac Consultant DHA 11/22/83
- 4. Planning Engineer [Signature] 11/30/83
- 5. Chief, Planning [Signature] 12/5/83
- 6. Program Manager LMO 12/6/83
- 7. Sew Fac Consultant [Signature] 12/12/83
- 8. Regional Log - Out [Signature] 12/21/83 approval.
- 9. County [Signature]

County York  
 Municipality York Haven  
 DER Code No. 3-67970-001

Dan →

Name of project/subdivision York Haven Official Plan

Modules Attached: ( ) II ( ) III ( ) IV ( ) V (✓) Planning Commission Comments  
 ( ) Transmittal (✓) Adoption (✓) Maps (✓) Other REPORT

Proposed Planning Action: (✓) Revision ( ) Supplement ( ) Within 201 Planning Area

Project Description: Project proposed central collection and treatment for York Haven Borough in care area w/ treatment and discharge to the Sus. River.

To be published in the PA Bulletin: ( ) No ( ) Yes Date Forwarded \_\_\_\_\_  
 Date Published \_\_\_\_\_

General Comments:

County Sewage Sanitarian: (approval - disapproval) \_\_\_\_\_

Planning Engineer: (approval) disapproval) 250 gpd/EDU page 9 ; initially 2-40,000 gpd dual treatment units (ext. aer) which will work in parallel are proposed for site A. Space will be available for a future treatment unit. This area needs a treatment plant body

December 29, 1983

Notice for Publication in  
PENNSYLVANIA BULLETIN  
York Haven Borough, York County  
DER Code No. 3-67970-001

Hress Hulsburg  
Division of Local Environmental Services  
Bureau of Water Quality Management

Daniel H. Arbegast  
Sanitarian Sewage Consultant  
Planning Section  
Harrisburg Regional Office

Plan Approval granted under the Act of January 24, 1966 P.L. 1535 as amended  
(35 P.S. §750.5 et seq.).

Regional Office - Regional Sanitarian Sewage Specialist, Harrisburg Regional  
Office, 407 South Cameron Street, Harrisburg, PA 17101.

Planning approval given to provide sanitary sewer collection and a wastewater  
treatment facility to serve the central and built up portions of York Haven  
Borough, York County. The basic collection and treatment system will serve 236  
EDU's (192 residential and 44 non-residential) initially. Treatment is to be  
provided by dual 0.04 MG extended aeration treatment plant. Treated effluent  
discharge will be to the Conawago Creek near the bridge at Locust Street,  
approximately 1,100 feet upstream from the Susquehanna River.

DHA:jvl

Planning File ✓  
County File

T

P

Bureau of Water Quality Management  
407 South Cameron Street  
Harrisburg, Pennsylvania 17101  
(717) 787-9665  
December 29, 1983

Official Act 537  
Sewage Facilities Plan  
York Haven Borough  
York County  
DER Code No. 3-67970-001

York Haven Borough Council  
c/o Gethran S. Reeser, Secretary  
Box 167, R. D. #1  
York Haven, PA 17370

Gentlemen:

The Pennsylvania Department of Environmental Resources has completed review of the York Haven Official Act 537 Plan. This Official Plan Revision is approved.

In accordance with the provisions of the Pennsylvania Sewage Facilities Act and Chapter 71, Administration of the Sewage Facilities Act, this Department will hold the York Haven Borough Council responsible for implementing the sewage disposal programs described in this plan.

This action of the Department may be appealable to the Environmental Hearing Board, Third Floor, 221 North Second Street, Harrisburg, PA 17101, (717-787-3483) by any aggrieved person pursuant to Section 1921-A of the Administrative Code of 1929, 71 P.S. Section 510-21; and the Administrative Agency Law, 2 Pa. C.S., Chapter 5A. Appeals must be filed with the Environmental Hearing Board within thirty (30) days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the regulations governing practice and procedure before the Board may be obtained from the Board. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

Gethran S. Reeser

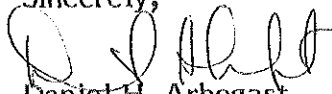
-2-

December 29, 1983

The York Haven Borough Council should be commended for their effort in developing this plan. It is hoped that this plan will be a positive step toward a cleaner environment for the citizens of your area.

If you have any questions concerning this letter, please contact me.

Sincerely,



Daniel H. Arbegast  
Sanitarian Sewage Consultant  
Planning Section  
Harrisburg Regional Office

DHA:flw

cc: C. S. Davidson, Inc.  
York County Planning Commission  
George Christine, Sewage Enforcement Officer

bcc: York County Office  
Planning File  
File  
T

Bureau of Water Quality Management  
407 South Cameron Street  
Harrisburg, Pennsylvania 17101  
(717) 787-9665  
December 29, 1983

Official Act 537  
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Daniel H. Arbegast  
Sanitarian Sewage Consultant  
Planning Section  
Harrisburg Regional Office

DHA:flw

cc: C. S. Davidson, Inc.  
York County Planning Commission  
George Christine, Sewage Enforcement Officer

bcc: York County Office  
Planning File  
File  
T

June 13, 1984

Notice for Publication in  
PENNSYLVANIA BULLETIN  
York Haven Borough, York County  
DER Code #3-67970-001

Tress Hulsburg  
Division of Local Environmental Services  
Bureau of Water Quality Management

Daniel H. Arbega <sup>DHA</sup>  
Sanitarian Sewage Consultant  
Planning Section  
Harrisburg Regional Office

Plan Approval granted under the Act of January 24, 1966 P.L. 1535 as amended  
(35 P.S. §750.5 et seq.).

Regional Office - Regional Sanitarian Sewage Specialist, Harrisburg Regional  
Office, 407 South Cameron Street, Harrisburg, PA 17101.

Plan approval granted to York Haven Borough, York County. This plan provides  
for public sanitary sewerage services to the Borough of York Haven with treat-  
ment prior to discharge to the Susquehanna River.

DHA:jsm

Planning File ✓  
County File  
T

June 13, 1984

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Planning File ✓  
County File  
T



96 South George Street, Suite 520, York, Pennsylvania 17401

Tel: (717) 845-1524 • Fax: (717) 854-6999 • [www.mpl-law.com](http://www.mpl-law.com)

James R. Sanders, Direct E-mail:  
[jsanders@mpl-law.com](mailto:jsanders@mpl-law.com)

July 24, 2024

Technical Utility Services

**RE: Technical Utility Services Inquiry – York Have Borough Authority (Docket# A-2023-3044173 Utility Code 230087)**

To Whom This May Concern:

Please be advised this office represents Newberry Township, a Second Class Township with offices at 1915 Old Trail Road, Eters, Pennsylvania 17319 (“**Township**”). This letter is submitted in response to the Technical Utility Services inquiry directed to York Water in its application to acquire the York Haven Borough Authority wastewater system. The Township confirms that the York Haven Borough Authority’s existing wastewater service to six (6) customers located in Newberry Township (see, Exhibit B-4 attached) is compliant with the Newberry Township Act 537 sewage plan.

Very truly yours,

MPL LAW FIRM

A handwritten signature in black ink, appearing to be 'JS'.

James R. Sanders, Esquire

Enclosure

Cc: Newberry Township; JT Hand, York Water Company President and CEO; Alexandra C. Chiaruttini, York Water Company CAO and General Counsel



Herbert, Rowland & Grubic Inc.  
Consulting Engineers  
4099 Derry St., Harrisburg, PA 17111  
(717) 564-1121

March 15, 1983

Newberry Township Board of Supervisors  
R. D. #2, Box 4  
York Haven, Pennsylvania 17370

Re: Act 537 Plan Revision  
Phase I

Gentlemen:

Transmitted herewith are three draft copies of the revised Act 537 Official Plan for the Phase I study area of Newberry Township.

Please review the plan and communicate to us any major revisions you deem to be advisable prior to the scheduled meeting with the Department of Environmental Resources on March 24, 1983.

Very truly yours,

HERBERT, ROWLAND & GRUBIC, INC.

A handwritten signature in dark ink, appearing to read "H.C. Herbert". The signature is written in a cursive style.

H. C. Herbert, P. E.

HCH/hg

NEWBERRY TOWNSHIP ACT 537

PLAN REVISION

INTRODUCTION

Chapter 71, Title 25 of the Rules and Regulations of the Pennsylvania Department of Environmental Resources, issued under the Act of January 24, 1966 (referred to as Act 537, as amended), requires that all municipalities within the Commonwealth adopt and implement an official plan which addresses the present and future sewerage needs within that municipality. Official plans are reviewed and approved by the Department of Environmental Resources (DER).

Approved plans must be reviewed and, if necessary, revised at least every five years. Whenever a sub-division plan addresses its sewerage needs in a manner not consistent with the official plan, the municipality must either reject the subdivision plan or revise its official sewerage plan accordingly.

Other provisions of the Act deal with administration by the local government including issuance of permits for individual on-lot systems, Sewage Enforcement Officers, etc.

Newberry Township's first official plan was prepared by the York County Planning Commission as part of the county-wide study undertaken by the Planning Commission in 1969-72. This study established an area (referred to in the study as R-3) which encompassed the Boroughs of Goldsboro and Lewisberry and portions of Newberry and Fairview Townships. The Northern York County Regional Joint Sewage Authority was then formed to address the sewerage needs in the R-3 district.

The Authority then proceeded with the development of a 201 Facilities Plan under grants from the United States Environmental Protection Agency (EPA)

and the Commonwealth of Pennsylvania. This Plan, submitted in December 1978, became the official Act 537 Plan for all of the municipalities involved. The plan was approved and the Authority's consultants were then directed to proceed with development of design plans and specifications for a comprehensive sewerage project in accordance with Alternate 4 presented in the Facilities Plan.

After several public hearings and numerous revisions, the Environmental Protection Agency determined that the proposed user charges did not meet their criteria for affordability and consequently withdrew their offer for Step III (Construction) funding. The official Act 537 plans for all municipalities involved - Goldsboro, Lewisberry, Fairview and Newberry Townships - therefore could not be implemented and, as such, were declared invalid. Notice of this action was conveyed to Newberry Township by letter of September 1, 1982 from the Pennsylvania Department of Environmental Resources, copy of which is included in the Appendix.

Following a meeting held November 5, 1982, the Department of Environmental Resources determined that the northeast section including the Valley Green area of the Township was of primary concern and agreed to accept an initial 537 Facilities Plan covering this section of the Township only; the other areas of the Township remaining in a disapproved status until an adequate plan is developed. Notice of this determination was conveyed by letter of November 22, 1982, copy of which is also included in the Appendix. After review of the boundaries delineating the initial or Phase I study area, Herbert, Rowland and Grubic, Inc., acting as consultant to the Township, recommended a slight expansion of the Phase I boundaries to include an area in the southern portion which fell in the natural drainage basin of the

Phase I study area. The revised area includes the Village of Newberrytown and is shown on all of the EXHIBITS accompanying this report.

#### SOURCE OF DATA

Due to the limited scope of this study and the fact that the Northern York County Regional Joint Sewage Authority (NYCRJSA) 201 Facilities Plan was relatively new and complete, much of the data contained in this report has been extracted from the 201 Facilities Plan. Information relative to future growth potential has been obtained from the principal developer in the area, Leggett and Short, as well as from subdivision plans submitted to the Township. Locations of future sewer lines were obtained from the construction drawings prepared by Buchart-Horn, consultant to the NYCRJSA since these lines were designed with topographical surveys in hand. Certain proposed sewer lines were field checked and revised, if deemed necessary. Locations of existing malfunctioning on-lot systems were obtained from the Sewage Enforcement Officer, field observations and the developers. Base maps used in the preparation of exhibits were obtained from the York County Planning Commission.

#### ANALYSIS OF EXISTING SEWAGE SERVICES

##### GENERAL

The Phase I Study Area presently has a privately owned sanitary sewage collection system and treatment plant which serves the Valley Green Heights and three other treatment plants; two serving mobile home parks and one a restaurant. Another plant serving the Newberry Elementary School is located just outside the study area. All other developed areas are served by on-lot sub-surface disposal systems including some privies.

LOCATION OF EXISTING SEWERS, PUMPING STATION AND TREATMENT PLANTS

The entire study area lies within the Fishing Creek Drainage Basin. EXHIBIT I is a topographic plan showing the extent of the Fishing Creek Drainage Basin within Newberry Township and ridge lines of sub-drainage basins. This exhibit also shows the location of the several privately owned treatment plants. A plan of the existing sewers and pumping stations serving Valley Green Heights is shown on EXHIBIT VI.

INTERCEPTORS

There are presently no sewage interceptors located in the study area. The existing sewers are classified as main, sub-main or lateral sewers, all 8 inches in diameter and none of which are combined sewers.

TREATMENT PLANTS

A. Regent Acres Mobile Home Park, DER Permit No. 6776409  
NPDES Permit No. PA0033774

This plant is an extended aeration modification of the activated sludge process consisting of a comminutor, two aeration tanks, two settling tanks, two sand filters, a sludge holding tank and chlorination facilities. Phosphorus is precipitated by addition of alum or ferric sulphate. The plant was originally 15,600 gpd in capacity, but was expanded in 1978 to 29,400 gpd.

NPDES effluent limitations are: BOD<sub>5</sub> - 10 mg/l.

SS - 10 mg/l, PO<sub>4</sub> - 6.0 mg/l, and DO  $\geq$  6.0 mg/l.

DER files indicate that there have been many violations of the permit requirements.

B. Jolly Coppersmith Restaurant, DER Permit No. 567S028

This plant serves a restaurant that is presently up for sale. It consists of two 2200 gallon septic tanks, a dosing tank, two sand filters and chlorination. A letter dated July 8, 1982 to the owners



Herbert, Rowland & Grubic Inc.  
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##### GENERAL

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This plant is an extended aeration modification of the activated sludge process consisting of a comminutor, two aeration tanks, two settling tanks, two sand filters, a sludge holding tank and chlorination facilities. Phosphorus is precipitated by addition of alum or ferric sulphate. The plant was originally 15,600 gpd in capacity, but was expanded in 1978 to 29,400 gpd.

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SS - 10 mg/l, PO<sub>4</sub> - 6.0 mg/l, and DO  $\geq$  6.0 mg/l.

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This plant serves a restaurant that is presently up for sale. It consists of two 2200 gallon septic tanks, a dosing tank, two sand filters and chlorination. A letter dated July 8, 1982 to the owners

from DER cites a "deplorable" condition and need for many improvements. The letter was followed by another dated 9/27/82, noting no response to the previous citation.

C. Park-Away-Parks Campground

DER has no readily available records of this facility. It is reportedly a packaged treatment plant with sub-surface effluent disposal. Therefore, no stream discharge permit is required.

D. Valley Green Sewage Treatment Plant, DER Permit No. 674420

This facility is a 50,000 gpd (0.05 MGD) extended air modification of the activated sludge process. Principal units consist of comminution, aeration, final settling, chlorination and phosphorus removal. Flow is monitored and recorded by a float operated flow recorder in conjunction with a V-Notch Weir.

As of December 1982, there were 182 EDUs connected to this plant and the average flow was 30,000 gpd. Average BOD loading for 1982 was 58 lbs/day. Discharge Monitoring Reports submitted to DER indicate no violations of effluent quality in 1981 and 1982.

There are many improvements that should be made to this plant, particularly since it must remain in service to accommodate the sewerer portion of Valley Green Heights and Valley Green Village. According to the owners, little has been done in the way of improvements because it was anticipated that a municipal plant was imminent.

While the effluent produced by the plant has not violated its permit conditions, there have been numerous complaints from surrounding properties relative to odors, noise and appearance. Because it will probably remain in service for an extended period of time and its capacity may be increased, it is recommended that improvements be

undertaken immediately to mitigate the effects of this plant on the surrounding neighborhood. Improvements should address operational facility, safety and aesthetic considerations.

#### PRESENT LAND USE

The Phase I study area is comprised of a mix of residential, agricultural and recreational use, with a scattering of commercial establishments along traffic corridors. EXHIBIT II shows the extent of development either in existing or planned subdivisions. Much open space remains in the area which is suitable for future development, providing the necessary services are made available.

#### FUTURE LAND USE

Future development is expected to occur adjacent to presently built-up areas, but with higher densities than most of the present development. The recently adopted zoning ordinance establishes most of Phase I study area as residential with agricultural and conservation districts around the outer perimeter. Small areas in the vicinity of I-83, Old Trail and Yocumtown Road are designated as commercial and commercial. EXHIBIT III shows the present zoning in the Phase I study area.

While the demand for housing in the study area has been active in spite of the nation-wide slump in recent years, much of it can be attributed to the affordability of single family dwelling units in townhouses and cluster type development. It is anticipated that much of the future development in the area will be in this type of housing as the cost of building and related services continues to increase.

The demand for detached single family homes on large lots will diminish, not because of lessened desire for this type of home, but because of economics. Prices will limit them to only a small segment of the population.

EXHIBIT IV shows the locations of existing developments and areas targeted for development within the next 10 to 15 years. Preliminary subdivision plans for some of these areas have already been developed.

### SOILS

Previous studies of the area by the York County Planning Commission, Buchart-Horn and others have established the fact that most soils in the Phase I area are unsuitable for conventional on-lot sewage disposal systems with septic tanks and tile fields. This fact is further documented by the evidence of numerous malfunctioning on-lot systems. For this reason, no extensive soil evaluations have been conducted as part of this study. The most recent comprehensive soils analyses presented in the NYCJRJA 201 Facilities Plan may be referred to for further detail.

EXHIBIT V is a reproduction of the data presented in the aforementioned plan. It shows those areas of the Phase I study area that are unsuitable because of flood plain limitations, and those that are suitable only with elevated sand mounds or shallow trenches. Virtually none of the areas is suitable for conventional systems.

### COMPREHENSIVE SEWERAGE PLAN

#### GENERAL

A Comprehensive Sewerage Plan as required under Act 537 and promulgated under Chapter 71, Title 25, Rules and Regulations of the Pennsylvania Department of Environmental Resources, requires the following:

1. Delineation of areas where, because of growth, public health or pollution factors, sewers are needed immediately.
2. Evaluation of alternatives for sewerage services including financing.

3. A time schedule for implementation.
4. A delineation of areas where services are needed within a five and ten-year period.

The Northern York County Regional Joint Sewage Authority (NYCRJSA) 201 Facilities Plan and subsequent design of construction plans for sewerage the R-3 district established by the York County Planning Commission, met the above requirements. However, since the proposed sewerage system could not be implemented, this study has been authorized to address the needs of Newberry Township in that section of the Township having the greatest need for immediate action. It is in this area where housing is now concentrated and in which future growth is most likely to occur. It is also in this area where numerous malfunctioning on-lot sewage disposal systems exist.

The NYCRJSA plan called for the construction of collection and interceptor sewers throughout the Phase I study area, with one pumping station and a treatment plant located along the Susquehanna River south of Goldsboro. This plan would have served the needs of not only the Phase I study area of Newberry Township, but also portions of Fairview Township and the Borough of Goldsboro.

The existing sewage collection system serving Valley Green Heights would have become a part of the comprehensive plan and all existing treatment plants abandoned. Ownership of the existing collection system would have been transferred to the NYCRJSA. A similar, although reduced, plan is obviously the best solution for the Phase I area. From a practical standpoint, however, it is also obvious that such a plan cannot be implemented, recognizing the fact that the proposed system was too costly even with 75% EPA funding and a much larger user base to pay for unfunded costs.

ALTERNATIVES

There are basically only two alternative solutions available to Newberry Township with respect to the development of a satisfactory Act 537 Plan. These are:

1. Prohibit further development in those areas not suitable for on-lot systems and deal with existing sewage disposal problems on an individual basis. This approach would require continuation of the existing treatment plants and collection systems under private ownership.
2. Permit expansion of the existing Valley Green sewage treatment plant and its collection system to accommodate future growth and to serve areas now experiencing on-lot disposal system problems. This approach would serve an interim solution until such time as the concentration of homes and proposed new developments would warrant the construction of interceptors and a new municipally owned treatment facility. The entire costs of these extensions would be borne by the developer(s), but be subject to the design approval and construction inspection by the Township or its agents. The latter is necessary because at some future time, the Township would be incorporating these facilities into a municipally owned system and be responsible for operation and maintenance.

A variation of Alternate 2 would be for the Township to assume responsibility for the expansion, operation and maintenance of the existing Valley Green sewage treatment plant with extensions to the system being borne by the developer as in Alternate 2 above. This approach is not, however,

recommended because of the physical condition of the plant, the proliferation of small pumping stations and its temporary status because of its location.

Leggett and Short, the developer of most of the existing and proposed future subdivisions in the Phase I area, has expressed a willingness to expand the Valley Green sewage treatment plant, to extend certain sewers for servicing areas with malfunctioning systems, and to provide interim pumping stations with force mains so as to be able to continue building. While this is not considered to be the ideal solution to satisfy the immediate and short-term future sewerage needs of the Township, it is one that can be implemented at little cost to the Township, and one that will allow growth with the result in an expanded tax base. Accordingly, it is recommended that Alternate 2 be adopted for the immediate 5 year and 10 year solution.

#### SHORT TERM PLAN

EXHIBIT VI portrays the system of collection sewers, interceptors, pumping stations and force mains that will be required through the Year 1995. This plan will accommodate the existing sewerage area, extend service to several areas with malfunctioning on-lot systems, and provide service to areas planned for immediate development. Specifically, these are:

1. Valley Green Heights
2. Valley Green Village
3. Hemlock Rd.
4. Eagle Lane
5. Valley Green Village West
6. Valley Green Estates
  - a. Mulligan Drive
  - b. Bunker Lane
  - c. Bobby Jones Drive
  - d. Sam Snead Circle
  - e. Eden Lane
  - f. Byron Nelson Circle
  - g. Fairway Drive

To implement this plan, it is necessary to extend sewers and service mains as shown on EXHIBIT VI. These lines would be sized and installed in locations that would permit them to be extended in the future so as to serve existing and proposed developments. A temporary pumping station located near Sam Snead Drive and Cartref Road would lift sewage to a collection system in Eden Lane. Another pumping station located along the Yocumtown Road would serve the proposed new Valley Green Village West development by pumping to an extended interceptor in the northwest section of Valley Green Heights.

TABLE 1 which follows is a tabulation of subdivision areas existing or planned in the Phase I study area. The table shows existing EDUs and estimates of connections to the system in the time horizons of 1985, 1990, 1995 and 2005.

It should be noted that the location of sewer lines, force mains, pumping stations and sewer areas on Exhibit VI and VII is conceptual in nature and exists for the purpose of forming a basis for this plan. Final design of facilities and designation of proposed sewer areas may vary from those shown on the Exhibits due to development conditions and physical site limitations.

TABLE 1

NEWBERRY TOWNSHIP PHASE I  
COMPREHENSIVE SEWERAGE PLAN  
EDU PROJECTIONS

SUBDIVISION AREA	EQUIVALENT DWELLING UNITS				
	Existing 1983	1985	1990	Service Horizon 1995	2005
Valley Green Heights *	118	118	118	118	118
Valley Green Village *	101	101	101	101	101
Hemlock Road	3	20	43	43	43
Eagle Lane	17	0	3	20	20
Dubber Drive	20	0	0	20	20
Yocumtown Area	102	0	0	0	102
Valley Green West	83	50	250	350	467
Valley Green West Commercial	0	25	50	50	50
Pleasant View Road Strip	38	0	0	0	50
Valley Green Estates	223	15	120	120	384
Maple Hill Farms	35	0	0	0	35
Pines Road Strip	35	0	0	0	35
Kennedy Lane	21	0	0	0	21
Harvest Hills	20	0	0	0	55
Stonehenge	13	0	0	0	13
Newberrytown	45	0	0	0	45
Old Trail Strip	10	0	10	10	50
Moody Farm	0	0	0	0	168
Valley Green Woods	0	0	0	0	340
Others	0	0	0	0	200
<b>TOTAL EDUs</b>	<b>884</b>	<b>329</b>	<b>695</b>	<b>832</b>	<b>2317</b>

\* Existing Sewered Area

These estimates are based on developers' projections of building activity if permitted to expand the existing Valley Green sewage treatment plant.

TABLE 2 in the Appendix presents a record of the Valley Green sewage treatment plant for 1981-1982 as submitted to DER monthly. The information shown therein indicates that the average daily flow per EDU ranges between 150 and 250 gpd. Normally, treatment plants are sized on the basis of 100 gpd per capita and 2.8 to 3.5 persons per EDU. For small subdivisions (150 units or less), DER permits a flow of 70 GPCD based on 3.5 persons per

dwelling unit. This equates to a flow of 245 gpd/EDU. For existing systems, the design must be based on actual dry weather and wet weather flows. TABLE 3 shows the required sewage treatment plant capacity utilizing 240 gpd/EDU and 210 gpd/EDU. Under these criteria, a plant capacity of 175,000 gpd to 200,000 gpd would be required by the Year 1995. Present plant capacity is 50,000 gpd.

It is proposed that the Valley Green sewage treatment plant be immediately expanded to 100,000 gpd by the addition of a 50,000 gpd unit. Further expansion of the plant could be made in additional 50,000 gpd units up to a maximum of 200,000 gpd total capacity.

TABLE 3

NEWBERRY TOWNSHIP PHASE I  
COMPREHENSIVE SEWERAGE PLAN  
SEWAGE TREATMENT NEEDS

	Time Horizon			
	<u>1985</u>	<u>1990</u>	<u>1995</u>	<u>2005</u>
EDUS	332	712	832	2317
Flow @ 240 gpd/EDU	79,680	170,880	199,680	556,080
Flow @ 210 gpd/EDU	69,720	149,520	174,720	486,570

LONG TERM PLAN

As the development in the study area expands and the treatment plant approaches 150,000 gpd to 200,000 gpd, the construction of a comprehensive sewage collection system serving all areas north of Pines Road should be planned. By 1995, there should be sufficient customers available to support a municipal treatment plant. This plant should be located in the vicinity of Pines Road and Valley Green Road with discharge to Fishing Creek. Initial capacity would be in the order of 250,000 to 300,000 gpd, with expansion capabilities to at least double this capacity without major reconstruction.

By the Year 2005, it is anticipated that the remainder of the developed area south of Pines Road, including the Village of Newberrytown, will be sewerred.

The comprehensive plan of sewers at these time horizons is shown on EXHIBIT VII.

#### IMPLEMENTATION SCHEDULE

The following schedule of target dates provides for the orderly development of a comprehensive sewerage system to serve the Phase I study area:

<u>TARGET DATE</u>		<u>ACTIVITY</u>
1983-85	By Developer	1. Upgrade Valley Green Sewage Treatment Plant. (a) Improve facility safety and appearance (b) Expand capacity to 100,000 gpd
		2. Construct collection sewers, pumping station and force main to serve New Valley Green West.
		3. Construct interceptor sewers
		4. Construct collection sewers to serve existing malfunctioning lots and new lots. (a) Mulligan Drive (b) Bunker Lane (c) Bobby Jones Drive (d) Sam Snead Circle and Cartref Road (e) Eagle Lane
1984-1992		5. Extend sewers to serve undeveloped areas.
1984		(a) Eden Lane and Fairway Drive
1985-1990		(b) Hemlock Road and Valley Green Road

- 1990 6. Expand Valley Green Sewage Treatment Plant to 150,000 gpd or 200,000 gpd as deemed necessary.
- 1995 By Township 7. Construct complete system of interceptors, collection sewers north of Pines Road and a municipally owned Sewage Treatment Plant at Pine Road and Valley Green Road.
- (a) Abandon Valley Green Sewage Treatment Plant
  - (b) Abandon all pumping stations
  - (c) Reconstruct pumping station at Valley Green Road and Juniper Drive
- 2005 8. Construct interceptor sewers and collection sewers south of Pines Road and enlarge Township Sewage Treatment Plant.

This schedule represents the best current estimate of project scheduling. Should changing economic conditions or development demands require an acceleration or deceleration of this schedule, the Township would reserve the right to do so upon written notification to the Department of Environmental Resources.

#### ACTIONS BY TOWNSHIP

The Comprehensive Sewerage Plan as presented herein has been developed under the concept of private ownership of collection sewers, pumping stations and treatment facilities during the initial stages. Without this private capital investment or massive governmental grants in aid, it is simply not economically feasible for the Township to undertake such a project. On the other hand, the alternative of not permitting future development would deprive prospective builders from realizing a fair return on investments in property and prevent them from doing business in the Township, with an accompanying

loss of potential tax base to the Township.

Permitting expansion of existing facilities under private ownership appears to be the only practical solution. This expansion, however, should be done in an orderly manner, with first class construction and under the control of the Township, since at some point in the not too distant future, ownership of the collection facilities should revert to the Township. The Township would then be responsible for all maintenance and operational expenses. With this in mind, the Township should adopt certain principles, rules, regulations or standards with respect to privately owned sewerage facilities. These include:

1. Adoption of official plan and make periodic revisions thereto as may be deemed advisable.
2. Develop and publish regulations regarding design of sewerage facilities and standard specifications for construction.
3. Require all prospective sewerage extensions to conform to the general layout of sewers shown on the plan.
4. Require the installation of capped sewers in all new developments abutting future interceptors.
5. Provide inspection of all sewage facility construction and withhold issuance of building or occupancy permits if defects are not corrected.
6. Require rights-of-way to be recorded with provisions for future transfer to the Township at no cost.
7. Make a commitment to establish a program which uses the rights granted to the Township by Sections 601 and 602 of the Clean Streams Law.

8. Adoption of an ordinance requiring the connection to the sewer system of all buildings having malfunctioning septic systems. The ordinance would be based on a minimum distance between the building and the sewer line.

With safeguards such as these and others that may be deemed advisable by the solicitor, the Township can avoid many potential problems when it is necessary for it to assume ownership of the system.

It must be noted that this plan, if accepted by the Township and approved by the Department of Environmental Resources, constitutes an official Act 537 Plan for the Phase I study area only. The other areas of the Township will remain in a disapproved status until an approved plan is developed for these areas.

NEWBERRY TOWNSHIP  
ACT 537 PLAN REVISION  
PHASE I STUDY AREA

APPENDIX

1. DER letter dated 9/1/82                      Re: Original plan rejection.
2. DER letter dated 11/22/82                  Re: Phase I study area.
3. DER letter dated 12/30/82                  Re: Effluent requirements.
4. TABLE 2                                      Operational Data
5. EXHIBIT I            Topography and Drainage Basins
6. EXHIBIT II           Present Land Use
7. EXHIBIT III          Zoning Map
8. EXHIBIT IV           Future Land Use
9. EXHIBIT V            Soil Limitations
10. EXHIBIT VI          Proposed 1995 System
11. EXHIBIT VII         Proposed 2005 System



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF WATER QUALITY MANAGEMENT  
407 South Cameron Street  
Harrisburg, Pennsylvania 17101  
(717) 787-9665  
September 1, 1982

Sewerage  
Newberry Township  
York County

Newberry Township  
R.D. #2, Box 4  
York Haven, PA 17370

Gentlemen:

It is the purpose of the planning requirements of the Pennsylvania Sewage Facilities Act to provide the Commonwealth and its citizens with a comprehensive mechanism for resolving existing sewage disposal problems and for avoiding the potential sewage problems attendant upon new residential and commercial development.

To that end you have empowered the Northern York Regional Sewer Authority to develop and implement a 201 Facilities Planning Report for a regional waste water system to serve the delineated area of Fairview Township. You then adopted this study as your official Sewage Facilities Plan. However, recent communications from the Philadelphia Office of the U.S. Environmental Protection Agency have indicated that they will not provide funding for this project. To that end this plan can not be implemented.

Chapter 71, Section 3 of Title 25 Pa. Code states: "In municipalities that do not have an official plan, or fail to revise or implement their official plan when required, limitations shall be placed upon the issuance of permits for individual and community sewage systems in accordance with Section 71.32 of this Chapter."

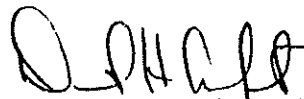
Section 71.32(a) states: "In the event that the municipality has no plan or has not revised or implemented its plan as required by the Rules and Regulations of the Department or by Order of the Department, no permits may be issued under Section 7 of the Act in those areas of the municipality for which an official plan revision thereto or implementation thereof is

Newberry Township  
September 1, 1982  
Page 2

required, until the municipality has submitted the said official plan or revision to and received the approval of, the Department, or has commenced implementation of its plan or revisions in accordance with a schedule approved by the Department." Since the Northern York County Regional Authority cannot implement its plan, your Sewage Facilities Plan would be in disapproved status. This will mean that you are prohibited from issuing any sewage permits under Section 7 of the Pennsylvania Sewage Facilities Act, except as provided in Sections 71.32(b), until such time as the plan is revised or implemented according to a schedule approved by the Department. These limitations will apply to all portions of the Township that are included in the Northern York Regional Sewer Authority's study area.

If you have any questions concerning this notice, please contact me.

Sincerely,



Daniel H. Arbegast  
Sanitarian Sewage Consultant  
Planning Section  
Harrisburg Regional Office

DHA:jrm

cc: Northern York Sewer Authority  
York County Planning Commission  
Mark Maser



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
Bureau of Water Quality Management  
407 South Cameron Street  
Harrisburg, Pennsylvania 17101  
(717) 787-9665  
November 22, 1982

RECEIVED NOV 24 1982

Mr. Robert Grubic, P.E.  
Herbert, Rowland & Grubic, Inc.  
4099 Derry Street  
Harrisburg, PA 17111

Re: Newberry Township  
Official Plan  
York County

Dear Mr. Grubic:

This will confirm our working understanding in regard to Newberry Township's Official Plan. This results from our meeting of November 5, 1982. The Department has agreed to review a comprehensive plan from Newberry Township for a portion of the township. Other lower priority areas will be scheduled for planning but will remain in disapproved status until adequate planning is developed that addresses the existing and future sewage disposal needs of these other areas.

The area of primary concern to the township is the Valley Green area. An area that includes present and future needs related to Valley Green could extend south from the Newberry Township - Fairview Township line; east from Route 83 to Fishing Creek as it crosses Yocumtown Road, Stillhouse Road, and Pines Road; then, west including all development south of Pines Road to be the intersection of Church Road and then continuing west to Route 83 south of the roadside west area. The township may increase this area. All lands outside the planning area will remain in disapproved status until an adequate plan is approved which includes such land.

-2-

November 22, 1982

Mr. Robert Grubic

Any plans submitted should comply with the Department's regulations regarding contents of plans, Section 71.14 and the Pennsylvania Sewage Facilities Act. The purpose of this letter is to confirm that a comprehensive plan for an area of the township may be developed which does not include the entire area originally included in the unimplementable 201 Facilities Plan.

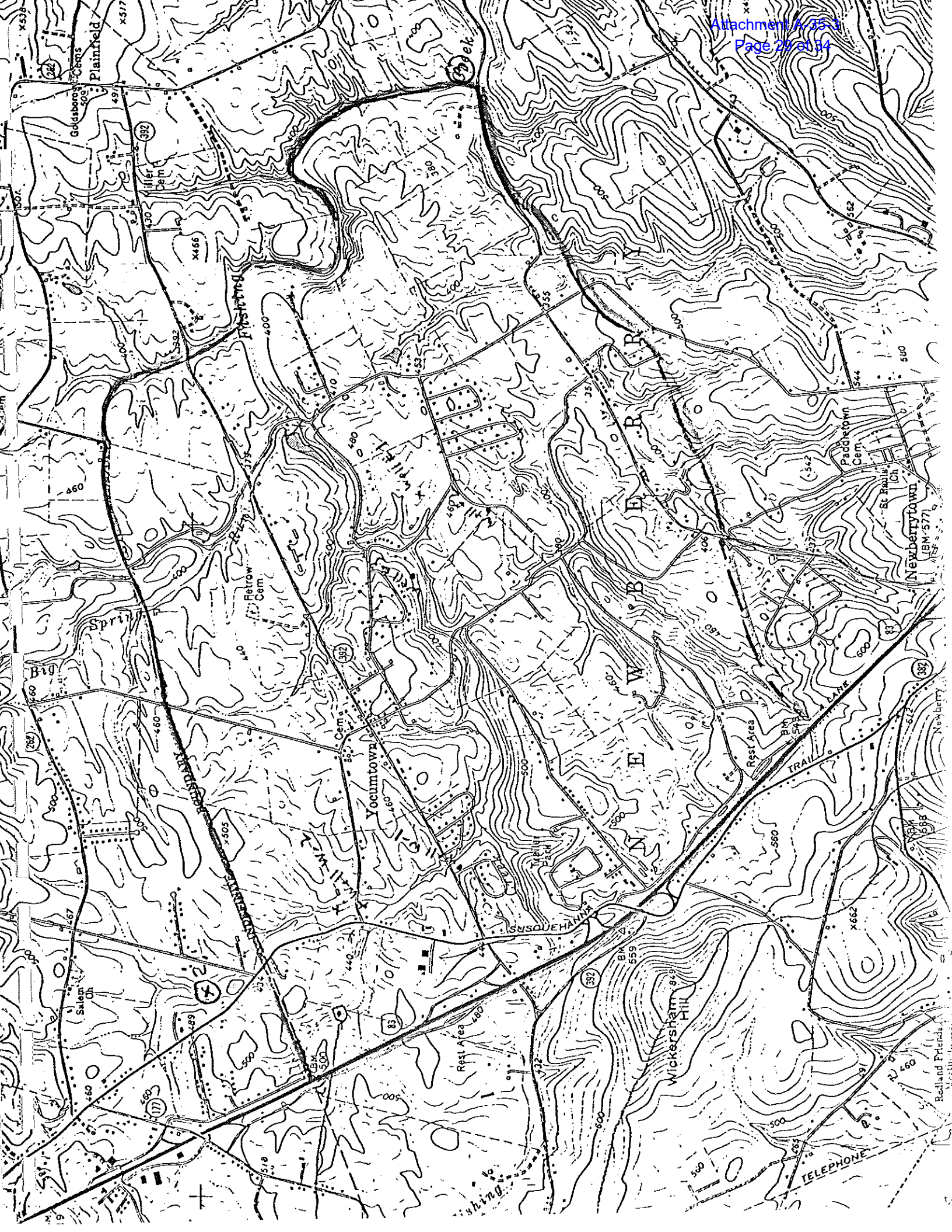
Sincerely,

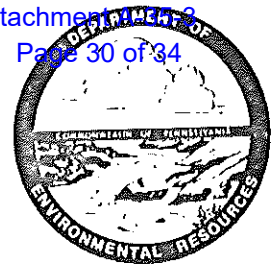


Timothy J. Finnegan  
Sewage Facilities Consultant  
Planning Section  
Harrisburg Regional Office

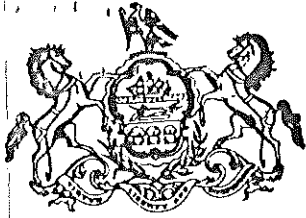
TJF:flw

cc: Newberry Township Supervisors  
Peter Shelley, Assistant Counsel





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF WATER QUALITY MANAGEMENT  
407 South Cameron Street  
Harrisburg, Pennsylvania 17101  
(717) 787-9665  
December 30, 1982



Sewerage  
Effluent Limits  
Newberry Township  
York County

RECEIVED JAN - 8 1983

Mr. H. C. Herbert, P.E.  
Herbert, Rowland & Grubic, Inc.  
4099 Derry Street  
Harrisburg, PA 17111

Dear Mr. Herbert:

In response to your December 9, 1982 request, we have developed effluent limits for various discharges proposed to eliminate certain sewage related problems in Newberry Township. Any changes in the size or location of the discharge(s) will require a re-evaluation. The limits in mg/l are:

1. Discharge #1 (250,000 gpd) to Fishing Creek

<u>Parameter</u>	<u>Concentration</u>		
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Instantaneous Maximum</u>
5-Day BOD	15	22.5	30
Suspended Solids	15	22.5	30
Ammonia Nitrogen (as N)			8
(5-1 to 10-31)	4		24
(11-1 to 4-30)	12		4
Phosphate (as P)	2	3	
Dissolved Oxygen	Minimum of 5.0 at all times.		
pH (S.U.)	Within range of 6 to 9 at all times.		
Fecal Coliform	Not greater than 200/100 ml as a geometric average value, not greater than 1,000/100 ml in more than 10% of the samples tested from May 1 to September 30; not greater than 2,000/100 ml as a geometric average value during the remainder of the year.		

Mr. H. C. Herbert

December 30, 1982

Page 2

## 2. Discharges #1 and #2

## A. Discharge #1 (250,000 gpd) to Fishing Creek

<u>Parameter</u>	<u>Concentration</u>		
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Instantaneous Maximum</u>
5-Day BOD	15	22.5	30
Suspended Solids	15	22.5	30
Ammonia Nitrogen (as N)			
(5-1 to 10-31)	4		8
(11-1 to 4-30)	12		24
Phosphate (as P)	2	3	4
Dissolved Oxygen	Minimum of 5.0 at all times.		
pH (S.U.)	Within range of 6 to 9 at all times.		

Fecal Coliform

Not greater than 200/100 ml as a geometric average value, not greater than 1,000/100 ml in more than 10% of the samples tested from May 1 to September 30; not greater than 2,000/100 ml as a geometric average value during the remainder of the year.

## B. Discharge #2 (500,000 gpd) to Unnamed Tributary of Fishing Creek

<u>Parameter</u>	<u>Concentration</u>		
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Instantaneous Maximum</u>
5-Day BOD	10	15	20
Suspended Solids	10	15	20
Ammonia Nitrogen (as N)			
(5-1 to 10-31)	1.5		3.0
(11-1 to 4-30)	4.5		9.0
Phosphate (as P)	2	3	4
Dissolved Oxygen	Minimum of 5.0 at all times.		
pH (S.U.)	Within range of 6 to 9 at all times.		

Fecal Coliform

Not greater than 200/100 ml as a geometric average value, not greater than 1,000/100 ml in more than 10% of the samples tested from May 1 to September 30; not greater than 2,000/100 ml as a geometric average value during the remainder of the year.

Mr. H. C. Herbert  
December 30, 1982  
Page 3

### 3. Discharges #1 and #3

#### A. Discharge #1 (250,000 gpd) to Fishing Creek

<u>Parameter</u>	<u>Concentration</u>		
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Instantaneous Maximum</u>
5-Day BOD	15	22.5	30
Suspended Solids	15	22.5	30
Ammonia Nitrogen (as N)			
(5-1 to 10-31)	4		8
(11-1 to 4-30)	12		24
Phosphate (as P)	2	3	4
Dissolved Oxygen	Minimum of 5.0 at all times.		
pH (S.U.)	Within range of 6 to 9 at all times.		
Fecal Coliform	Not greater than 200/100 ml as a geometric average value, not greater than 1,000/100 ml in more than 10% of the samples tested from May 1 to September 30; not greater than 2,000/100 ml as a geometric average value during the remainder of the year.		

#### B. Discharge #3 (500,000 gpd) to Unnamed Tributary of Fishing Creek

<u>Parameter</u>	<u>Concentration</u>		
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Instantaneous Maximum</u>
5-Day BOD	10	15	20
Suspended Solids	10	15	20
Ammonia Nitrogen (as N)			
(5-1 to 10-31)	2		4
(11-1 to 4-30)	6		12
Phosphate (as P)	2	3	4
Dissolved Oxygen	Minimum of 5.0 at all times.		
pH (S.U.)	Within range of 6 to 9 at all times.		
Fecal Coliform	Not greater than 200/100 ml as a geometric average value, not greater than 1,000/100 ml in more than 10% of the samples tested from May 1 to September 30; not greater than 2,000/100 ml as a geometric average value during the remainder of the year.		

Mr. H. C. Herbert  
December 30, 1982  
Page 4

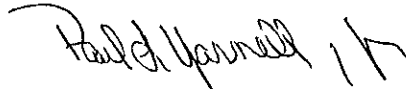
Issuance of these limits does not represent approval for a discharge to the waters of the Commonwealth. This information is provided as an aid in evaluating alternative wastewater disposal methods.

To meet the requirements of the Sewage Facilities Act, the proposed facility must be included in the municipality's Official Plan for Wastewater Management approved by the Department.

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

Please contact me should you have any questions.

Sincerely,



Paul L. Yarnell, Jr.  
Planning Section  
Harrisburg Regional Office

PLY:jrm

Attachment

cc: Newberry Township

TABLE 2

NEWBERRY TOWNSHIP PHASE I  
COMPREHENSIVE SEWERAGE PLAN  
VALLEY GREEN SEWAGE TREATMENT PLANT  
OPERATIONAL DATA

MONTH	EDUs	Ave. Flow GPD	Flow EDU	BOD mg/l	BOD lbs	BOD lbs/EDU
January 1981	119	10,400	87.4	--	--	--
February	121	10,700	88.4	166	14.8	0.12
March	123	15,000	122.0	407	50.9	0.41
April	124	18,300	147.6	288	44.0	0.35
May	126	18,500	146.8	377	58.2	0.46
June	128	18,500	144.5	331	51.1	0.40
July	130	20,300	156.2	280	47.4	0.36
August	131	24,800	189.3	236	48.8	0.37
September	135	24,000	177.8	148	29.6	0.22
October	138	23,800	172.5	169	33.5	0.24
November	145	25,300	174.5	226	47.7	0.33
December	148	26,000	<u>175.7</u>	<u>276</u>	<u>59.8</u>	<u>0.40</u>
<u>Average</u>			148.6	264		0.333
January 1982	154	28,900	187.7	482	116.2	0.75
February	155	31,700	204.5	320	84.0	0.55
March	159	34,500	217.0	211	60.7	0.38
April	160	34,700	216.9	190	55.0	0.34
May	163	34,900	214.1	210	61.1	0.37
June	164	39,600	241.5	116	38.3	0.23
July	168	34,900	207.7	253	73.6	0.44
August	171	34,000	198.8	180	51.0	0.30
September	175	22,300	127.4	234	43.5	0.25
October	177	21,000	118.6	120	21.0	0.12
November	178	20,500	115.2	180	30.8	0.17
December	182	<u>22,100</u>	<u>121.4</u>	<u>304</u>	<u>56.0</u>	<u>0.31</u>
<u>Average</u>		29,925	180.9	233		0.351

### Newberry Township 537 Files

1973 – Adopted the Feasibility Study of North York County Waste Water Facilities Region R-4 York County Comprehensive Sewage Study, particularly System III.

December 4, 1979 - Department approved Newberry's August 1979 Plan, which proposed to sewer Cly, Pleasant Grove, and Conewago Heights in 10 years. Because of funding issues, the plan claims that these areas cannot be immediately sewered. The plan mainly addresses on-lot issues for the Township.

September 1, 1982 – Letter from Department discussing that the Township adopted the Northern York Regional Sewer Authority's 201 Facilities Planning Report and that it was no longer implementable because of financing issues. Called for a new Plan or Plan Update.

July 6, 1983 – The Department approved Newberry's March 1983 Plan, which provided for the installation of public sewers to portions of Mulligan Drive, Bunker Lane, Bobby Jones Drive, Sam Sneed Circle, Cartref Road, Eagle Lane, Eden Lane, Fairview Drive, Hemlock Road, and Valley Green Road. It called for the expansion of the Valley Green WWTP, and construction of a municipally owned collection system and WWTP at Pine and Valley Green Roads in 1995. Until the proposed municipal take-over in 1995, the Valley Green Land Company (or Newberry Sewer Company) will own and operate all sewerage facilities.

November 20, 1984 – The Department approved a Plan Revision (#3-67945-029) for the Cragmoor Village – a 20 lot single-family residential subdivision to be served by a new WWTP that would be owned and operated by Newberry Township. The subdivision was located on the north side of Grandview Drive and the south side of Cragmoor Road.

April 7, 1986 – The Department approved another Plan Revision (#3-67945-042). This plan proposed to abandon the Pine Road collection system and WWTP in their March 1983 and construct a newly designed collection system and WWTP that would carry the sewage to and treat it at a location approximately 1,000 feet south of Goldsboro Borough with a discharge to the Susquehanna River. This would serve a Phase I area of the Township identified in the plan and Goldsboro Borough. The Newberry Sewer Company would own and operate the WWTP.

July 1, 1986 – The Department approved an amendment to the above plan, which made some changes in the proposed collection and conveyance system.

September 3, 1987 – The Department approve another Plan Revision (#3-67945-052). The plan provided for the extension of public sewers to four needs areas (Phase II-A), and they were Cragmoor Villlage, Route 262 south of Goldsboro, Grandview Acres, and Route 382 south of Newberrytown with all flows tributary to the "Goldsboro" WWTP referenced in the previous plan revision. However, if financing problems occurred with this option, an alternate was discussed: serve Cragmoor village with its own small











package treatment plant and/or Twp purchases the Newberry Estates WWTP and also serves Grandview Acres with it. Also, the Department's approval letter stated: "Complete and timely implementation of the Plan as adopted and as required by the Department Order of June 30, 1987 is expected. The Order of June 30, 1987 remains in full force and effect. This action is approval of the Goldsboro Revision referenced in the June 30, 1987 Order." So, this order, as well as several others issued in and around 1986-1987, focused on addressing the Cragmoor Village area. Apparently, Cragmoor Village was a raging needs area, and the Twp continued to put off implementation of its Plan in concern to this area.

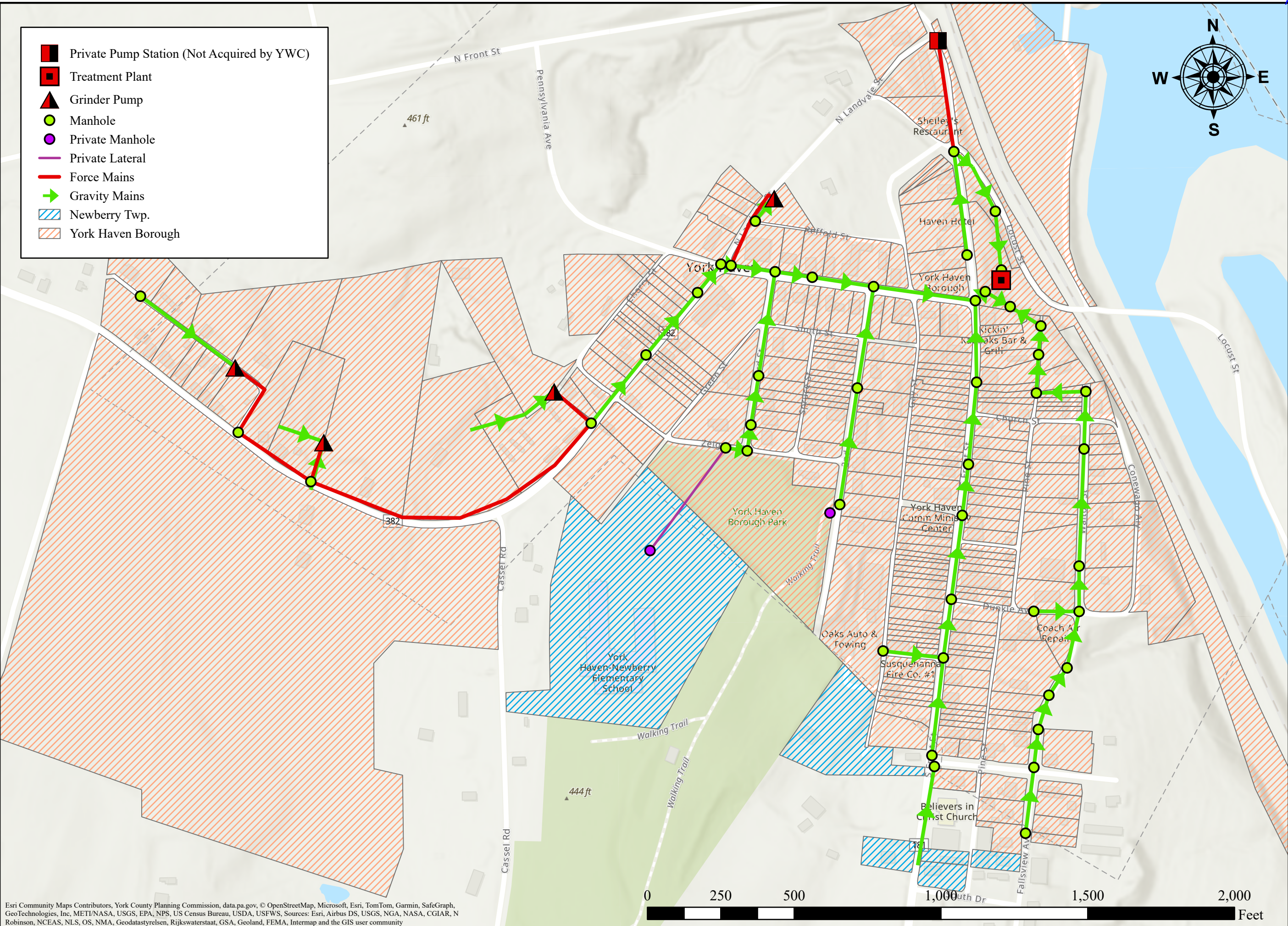
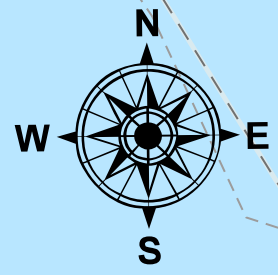
August 1988 – This plan was for needs area "Phase IIB", which was submitted to the Department and found deficient. It appears that an approvable resubmission was never received, even though numerous letters from the Department requested such a submission. Also, prior to this date and through to the Township's next Plan Update, it appears the Township had agreements with the Newberry Sewer Company to serve certain needs areas, and there was no municipal ownership of the WWTP.

July 1993 – Newberry Township purchased the Newberry Sewer Company WWTP.

June 15, 1994 – The Department approved the Township's March 1994 Update (A1-67945-ACT). The plan call for the expansion of the WWTP, upgrade of collection facilities, and the extension of public sewer to several needs areas (Grandview Acres, Reeser Estates, Cly, Newberrytown Exit just east of Rt 83, sections of Valley Green Estates and Valley Green Heights. All areas not located within these 5-year service areas were to be incorporated into an OLDS Management Program. The plans only mention of Goldsboro Borough is: 1.) Their sewage flows are tributary to the plant, and 2.) expected growth projections within the Borough.

May 16, 2000 – The Department approved the Township's December 1999 Update (C1-67945-ACT). The plan called for the extension of public sewers to Valley Green Village West.

-  Private Pump Station (Not Acquired by YWC)
-  Treatment Plant
-  Grinder Pump
-  Manhole
-  Private Manhole
-  Private Lateral
-  Force Mains
-  Gravity Mains
-  Newberry Twp.
-  York Haven Borough



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**Title:** Exhibit B-4: York Haven Wastewater System

**Scale:** 1 IN = 300 FT

**Date:** July 22nd, 2024

**Drawn By:** Jason Heitmann

**Checked By:** Alexandra Chiaruttini

**The York Water Company**

130 E. Market St.  
York, Pa 17401  
(717) 845-3601



## TUS Data Request Set 2

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of the York Haven Sewer Authority; and (2) begin to offer, render, furnish or supply wastewater service to the public in additional portions of York Haven Borough and Newberry Township, York County, Pennsylvania

Docket No. A-2023-3044173

A-36 Data Request A-17 requested that York Water-WW provide copies of any DEP-approved Sewage Facilities Planning Modules (Planning Modules) that were subsequently approved after the date of approval for the Act 537 Plans. York Water-WW's response was that there are no planning modules in YHSA's files or records. The Commission notes that all municipalities and DEP are required to retain copies of DEP-approved Planning Modules. Please provide responses to the following:

- a. Verify that DEP has not approved any Sewage Facilities Planning Modules after the date of approval for the Act 537 Plans for York Haven Borough and Newberry Township; or
- b. Provide copies of any DEP-approved Sewage Facilities Planning Modules that were subsequently approved after the date of approval for the Act 537 Plans.

### **RESPONDENT:**

Matt Scarpato  
VP, Operations  
The York Water Company

### **RESPONSE:**

- a. For York Haven Borough, York Water requested and reviewed the public Act 537 Sewage Planning records at DEP and found no sewage planning modules in those records. DEP records made available to York Water on microfiche did not contain sewer planning modules from York Haven Borough. York Water is not aware, nor has the Company been informed, of any additional customer requests for connection or service at this time. Again, York Water is requesting the existing service territory and exact same customer list in the pending application.

As for Newberry Township, based upon conversations with Newberry Township's Solicitor and in consultation with the Township administrative staff, the 6 parcels currently served by YHSA in Newberry Township comply with the Township's Act 537 Plan (see response to Discovery A-1(b) for a list of those 6 parcels; see also, **Attachment A-35-2**). Newberry Township has confirmed and DEP microfiche records reviewed indicate no modules do not address to the YHSA service area in question.

- b. See answer to subpart (a), *supra*. York Water did not identify relevant sewer planning modules approved by the Borough or Newberry Township in the DEP files. The official planning records available at DEP do not contain modules. York Water did review microfiche records provided by DEP, including planning modules, but none of the records reviewed relate to York Haven Borough planning nor the area where York Haven Borough serves in Newberry Township.

## TUS Data Request Set 2

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of the York Haven Sewer Authority; and (2) begin to offer, render, furnish or supply wastewater service to the public in additional portions of York Haven Borough and Newberry Township, York County, Pennsylvania

Docket No. A-2023-3044173

- A-37 In response to Data Request A-20, York Water-WW provided a summary of YHSA System’s assets that listed four grinder pumps installed 1986. Additionally, the Application’s Section 7 listed four wastewater pumping stations as part of the YHSA System description. However, York Waster-WW depicted five grinder pump stations in Attachment A-6-1 that included a system map (System Map) entitled “Exhibit B-4: York Haven Wastewater System”, dated January 24, 2024. Please provide responses to the following:
- a. Explain the apparent discrepancy between York Water-WW’s Application and Data Request A-20 response listing four grinder pumps and the System Map depicting five grinder pumps; and
  - b. Submit a revised Application and Data Request A-20 amending the number of grinder pumps; or
  - c. Submit a revised System Map that accurately depicts the number of grinder pumps.

### **RESPONDENT:**

Matt Scarpato  
VP, Operations  
The York Water Company

### **RESPONSE:**

- a. The discrepancy in the number of pump (lift) stations contained within the asset list and the associated map was due to the fact that one of the pump stations is privately-owned. The lift station on the corner of N. Landvale Street and N. Front Street is not owned or operated by YHSA. This asset will not be transferred to York Water and is not part of the asset purchase transaction. See the updated asset map at **Attachment A-35-5**.
- b. See answer to subpart (a). The Application and response to Discovery A-20 do not need to be amended and properly reflect the four pump stations.

- c. See answer to subpart (a). See **Attachment A-35-5** for the revised map that clarifies the private ownership of the pump station located at the corner of N. Landvale Street and N. Front Street.

TUS Data Request Set 2

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of the York Haven Sewer Authority; and (2) begin to offer, render, furnish or supply wastewater service to the public in additional portions of York Haven Borough and Newberry Township, York County, Pennsylvania

Docket No. A-2023-3044173

A-38 Data Request A-28 requested that York Water-WW explain how customers served by YSHA receive water service and identify the entity(s), if any, that provide water service to these customers. However, York Water-WW's response did not explain how YSHA's Newberry Township customers receive water service. Please explain how customers served by YSHA in Newberry Township receive water service and identify the entity(s), if any, that provide water service to the Newberry Township customers.

**RESPONDENT:**

Matt Scarpato  
VP, Operations  
The York Water Company

**RESPONSE:**

The YSHA customers located in Newberry Township are all within York Water's water service territory. However, the only parcel that is currently an active water customer is at 128 Fallsview Avenue. The balance of the YSHA customers located in Newberry Township are provided water service by on-site wells, based upon information available to York Water.

## TUS Data Request Set 2

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of the York Haven Sewer Authority; and (2) begin to offer, render, furnish or supply wastewater service to the public in additional portions of York Haven Borough and Newberry Township, York County, Pennsylvania

Docket No. A-2023-3044173

A-39 In response to Data Request A-30, York Water-WW provided the tentative transaction 1. Record Purchase of System that indicated a debit to Account No. 105 Construction Work in Process of \$380,000. In the Application, York Water-WW noted a total purchase price of \$330,000 for the Wastewater System Assets and \$10,000 for the reimbursement of closing costs, or total acquisition cost of \$340,000. Please provide an explanation for the \$40,000 difference ( $\$380,000 - \$340,000 = \$40,000$ ) between the total acquisition cost of \$340,000 and the tentative transaction to Construction Work in Process of \$380,000 to record the purchase of the wastewater system.

### **RESPONDENT:**

Matt Scarpato  
VP, Operations  
The York Water Company

### **RESPONSE:**

The \$40,000 difference between the transaction costs of \$340,000 and the Account No. 105 Construction Work in Process of \$380,000 reflects York Water's work to modify the permit and treatment system to eliminate the use of gaseous chlorine, as the Company believes this is dangerous to the public if mishandled or if there is a catastrophic accident. The costs incurred in permitting and re-configuring the treatment is reflected in this \$40,000.

## TUS Data Request Set 2

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of the York Haven Sewer Authority; and (2) begin to offer, render, furnish or supply wastewater service to the public in additional portions of York Haven Borough and Newberry Township, York County, Pennsylvania

Docket No. A-2023-3044173

A-40 The Application is silent as to whether Commission approval of the Application is in the public interest. Please provide an averment as to whether approval is in the public interest and explain the reasoning for the opinion.

### **RESPONDENT:**

JT Hand  
President and Chief Executive Officer  
The York Water Company

### **RESPONSE:**

Section 15 of the Application set forth the grounds on which approval of the Application is “necessary and proper for the service, accommodation, convenience, and safety of the public.” (Application, p. 13.) The PUC has held, and the Commonwealth Court has affirmed, that an expansion of service territory is “in the public interest” when “the Application is necessary and proper for the service, accommodation, and convenience of the public.” *In re Condemnation of Sunoco Pipeline, L.P.*, 143 A.3d 1000, 1007 (Pa. Cmwlth. 2016). Therefore, York Water disagrees that the Application is silent as to whether Commission approval of the Application is in the public interest.

Notwithstanding, the Commission should approve the Application because it is in the public interest for the reasons set forth in Section 15 of the Application and as set forth in more detail below:

First, York Water owns and operates 14 wastewater collection systems and 11 sewage treatment facilities. The Company has a dedicated wastewater department with professional and certified operators, field technicians, and full maintenance and labor staff who can provide full time 24/7 emergency coverage and customer service to the YHSA customers. York Water can and plans to utilize the same staff, operators, customer service team, meter shop, and labor team to provide services to the YHSA residents that it uses to serve its other wastewater customers. In contrast, YHSA currently employs one certified operator and shares York Haven Borough’s part-time office staff (1 person).

Second, the proposed expanded wastewater service territory is a part of York Water’s existing water service territory and is adjacent to the Company’s current wastewater service

territory. As such, York Water already has personnel in the field in or near this area in any given week and is very familiar with the area and customers.

Third, Commission approval of the proposed Application will benefit York Water's existing wastewater customers because by expanding the Company's customer base, York Water's fixed wastewater costs will be spread over a greater number of customers. Furthermore, the revenues received from these new customers can help pay for system improvements elsewhere on the Company's wastewater system. Also, there is an increasing alignment of customers, as portions of York Haven Borough and Newberry Township are within York Water's water service territory already.

Fourth, YHSA has a limited customer and tax base by which it can fund operation, maintenance, and related services for the wastewater system. Wastewater system components have a much more limited engineering life span than water components and this system is at the apex of that timeline. The political nature of rate decisions within a local government unit will make it extremely difficult to sufficiently and affordably fund improvements and increasing operation and maintenance obligations in future years. By contrast, York Water can fund these investments through internally-generated funds, proceeds from the issuance of common stock under York Water's dividend reinvestment and direct stock purchase and employee stock purchase plans, and, if necessary, borrowings against York Water's lines of credit.

Fifth, York Water has superior cybersecurity protocols and practices than YHSA. Wastewater is critical infrastructure, and these systems are subject of criminal attack every single day. The technologies and persons necessary to operate, monitor, and maintain this infrastructure and all of the support services required to provide utility service can be vulnerable. York Water employs a dedicated cybersecurity team both in-house and contracted to constantly maintain its cybersecurity defenses and detection capacity in an ever-changing landscape. The Company also utilizes the support of specialized external contracts, services, and 24/7 monitoring. York Water retains forensic, restoration, and communications experts in the event that either the Company's system or a business partner's system is under threat or has been breached. York Water works to meet NIST standards every day. YHSA does not have an employee dedicated to cybersecurity, and it would not be financially feasible for YHSA to match the cybersecurity infrastructure York Water has in place.

Sixth, YHSA is a volunteer government body that has no experience in the wastewater industry. York Water has been in the wastewater business for over a decade and in the water industry for over 2 centuries – providing reliable utility service, protecting our natural resources, and ensuring our operations are fiscally efficient and effective to satisfy customer needs and protect public health. York Water is managed by an executive team, including an experienced CEO, CFO and CAO/General Counsel – who are responsible to report to a professional Board of Directors. York Water is a highly regulated business, whose business and provision of services are primarily regulated by the PUC, DEP, and SEC. By comparison, YHSA is not bound by a PaPUC tariff, management, rate-setting, or customer services regulations, nor is YHSA regulated by the SEC, which mandates, among other things, specific governance, cybersecurity, financial and reporting obligations. Therefore, York Water's customers are better protected and have access to more information about their wastewater utility provider. Also, through the PUC, York Water's

customers have the benefit of an informal and formal complaint process where disputes and concerns can be adjudicated before a neutral third-party resource. The availability of these administrative challenge opportunities allows customers to address reliability and quality of services issues and empowers customers to hold their utility accountable to resolve service and quality issues. Such administrative process is not available to the YHSA customers. In fact, there is no dedicated customer service team, and local police are relied upon to report system emergencies. Due to the fact that the YHSA Board is appointed, local elections may not result in alteration of the make-up of the Borough-appointed Authority Board members where customers are not satisfied with their management or the services provided by YHSA.<sup>2</sup>

Seventh, York Water provides customers with a variety of ways to pay bills, from mail-in check, to on-line credit card or automatic account withdraw. All electronic options can be completed through an easy-to-use payment portal on our website. <https://www.yorkwater.com/customer-service/pay-my-bill> . Further, customers are able to view planned outages, real-time emergency information, view their account activity, update their account information, and start/stop service on the York Water website. These services are, in most cases, not offered at all by YHSA. York Water's customers are also protected through statutory customer protections reflected in the Company's tariff and in York Water's customer service program. None of these systemic protections are presently afforded to YHSA customers.

Eighth, York Water funds and administers a variety of customer assistance programs to address bill payment difficulty. York Water is an active participant with local partners in the Pennsylvania Homeowner Assistance Fund and LIWAP. The Company also has its Customer Assistance Program and the York Water Cares Program, - both of which focus on providing avenues for assistance in paying bills and/or past due balances. York Water also sponsors a program where the Company can dispatch a licensed plumber to evaluate fixtures and potential sources of a usage issue when it appears plumbing fixture(s) could be causing elevated usage. The service call and minor repairs or minor parts replacements are paid for by York Water at no cost to the customer. Additionally, York Water provides the opportunity for customers to become current on their utility bill through payment (pay-over-time) programs. To the Company's knowledge, YHSA does not sponsor or participate in these types of programs.

Finally, York Water's website contains customer educational information related to the utility services provided, system information, public health content, environmental stewardship content, and links to relevant consumer resources. The educational/informational content is constantly being updated and refreshed. There is no similar YHSA resource available today to these customers.

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<sup>2</sup> These comments merely reflect opportunities for customers and the differences in services available.

AFFIDAVIT

:  
COMMONWEALTH OF PENNSYLVANIA :  
COUNTY OF YORK : SS.  
:

MATT SCARPATO, being duly sworn according to law, deposes and states that he is Vice President of Operations of THE YORK WATER COMPANY; that he is authorized to and does make this affidavit for it; and that the facts set forth herein are true and correct to the best of his knowledge, information and belief; and that he expects THE YORK WATER COMPANY to be able to prove the same at any hearing hereof.

  
MATT SCARPATO

SWORN TO AND SUBSCRIBED

before me this 28<sup>th</sup> day of August 2024.



Notary Public

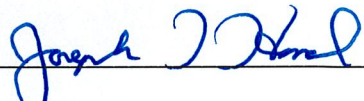
Commonwealth of Pennsylvania - Notary Seal  
Kent K. Croman, Notary Public  
York County  
My commission expires April 17, 2028  
Commission number 1241344  
Member, Pennsylvania Association of Notaries

My Commission Expires: April 17, 2028

AFFIDAVIT

:  
COMMONWEALTH OF PENNSYLVANIA :  
COUNTY OF YORK : SS.  
:

JOSEPH T. HAND, being duly sworn according to law, deposes and states that he is Chief Executive Officer of THE YORK WATER COMPANY; that he is authorized to and does make this affidavit for it; and that the facts set forth herein are true and correct to the best of his knowledge, information and belief; and that he expects THE YORK WATER COMPANY to be able to prove the same at any proceeding hereof and relating hereto.

  
\_\_\_\_\_  
JOSEPH T. HAND

SWORN TO AND SUBSCRIBED

before me this 27<sup>th</sup> day

of August \_\_\_\_, 2024.

  
\_\_\_\_\_  
Molly Elizabeth Norton

Notary Public

My Commission Expires: MARCH 3, 2025

