

**FRANCONIA TOWNSHIP
MONTGOMERY COUNTY, PENNSYLVANIA**

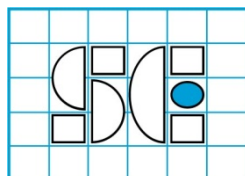


**ACT 537 PLAN REVISION:
SPECIAL STUDY FOR
SEWER SYSTEM INFILLING**

**PREPARED IN ACCORDANCE WITH
PA ACT 537 AND LATER REVISIONS
AND PADEP CHAPTER 71**



AUGUST 2024



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1 NARRATIVE

1.1 BACKGROUND

Franconia Township prepared their official *Act 537 Plan* for wastewater management in August 2004. The 2004 *Act 537 Plan* recommended that an on-lot management program be implemented throughout the Township

The on-lot management program confirmed concentrated areas of OLDS malfunctions and recommended that public sewer service be provided. Accordingly, Franconia Township has undertaken planning to determine the best technical and economic means of providing sewer service to the affected areas described herein.

The planning efforts described in this report were conducted under the guidelines and approval of the Pennsylvania Department of Environmental Protection. This report is intended to supplement the Township's official *Act 537 Plan* and subsequent special studies and does not include information on items, which are included in and have not changed from prior planning.

1.2 PURPOSE

The purpose for this planning is to study the infilling of the sanitary sewer system through relatively minor sewer extensions to existing residential areas in Franconia Township.

1.3 PLANNING AREA

Franconia Township includes roughly 14 square miles located in central Montgomery County, Pennsylvania, surrounding the Boroughs of Souderton and Telford, as generally shown on Figure 1-1.

Public sewer service has been provided to most of Franconia Township since the 2004 *Act 537 Plan* was completed. However, there are still pockets of residential housing that are adjacent to existing public sewers and would benefit from service. These planning areas are shown in Figure 1-2 and have several factors in common. The planning areas are:

- a. Adjacent to Existing Sewers. There is an existing public sewer in close proximity to the proposed service areas. The proposed sewer extensions would not cross past currently undeveloped properties, which might encourage development.
- b. Currently Occupied Buildings. The proposed sewer extensions are intended to serve existing buildings, not proposed or future development.
- c. Residential Dwelling Concentrations, with the exception of the extension to Schoolhouse and Nice Roads. The areas do not involve isolated properties. There is a concentration of existing residential dwellings.
- d. Located along Public Rights-of-way, in which the proposed sewers would be constructed. The proposed construction would not require the need to acquire any private easements.

- e. Interested in Public Sewers. Some property owners in the preceding planning areas have expressed an interest in public sewer service in calls to the FSA office. In most cases, the interest is expressed when the owner is (1) faced with an expensive replacement of their on-lot disposal system (OLDS) and/or (2) trying to sell their house and the OLDS will not pass a test.

The potential areas to be served by sewer system infilling and/or extensions have been prioritized into two phases: (1) those sewers for immediate or near-future construction and (2) those sewers for future construction, as determined by need.

The planning areas in the first priority are generally located in Figure 1-1 and more specifically shown in Figures 1-3 through 1-8. The first phase project areas may be described as follows:

1. **High Street and Homestead Avenue** area is located on the north side of Godshall Road and roughly 1,000 feet east of Souderton-Harleysville Pike (PA Route 113). This area is located in the drainage basin of the Skippack Creek, but the adjacent public sewers in High Street discharge to the Telford wastewater treatment plant. The planning area includes 45 properties along the two named road segments and Godshall Road. The area had been included in prior Act 537 planning, but is presented herein for clarification.
 2. **Indian Creek and Schoolhouse Roads** area is also located on the west side of the PA Turnpike, primarily along (a) Indian Creek Road, from Keller Creamery Road to Schoolhouse Road and (b) Schoolhouse Road, from Indian Creek Road to the existing sewer on the east side of PA Route 113. The planning area includes 79 properties along the named road segments and along branch sewers in the following road segments:
 - (a) Keller Creamery Road, on both sides of Indian Creek Road,
 - (b) Indian Creek Road, on the south side of Schoolhouse Road.This area is located in the drainage basin of the Indian Creek, but the existing sewer in Schoolhouse Road discharges to the Franconia wastewater treatment plant.
 3. **Delp Road** involves an extension of roughly 350 feet on the north side of Allentown Road and including 4 properties. The adjacent sewer in Delp Road discharges to the Franconia wastewater treatment plant.
 4. **Meadow Wood Lane** involves an extension of roughly 1,750 feet in the road on the north side of Cowpath Road, between Broad Street and Beck Road, and includes 12 properties. The adjacent trunk sewer along the Skippack Creek discharges to the Souderton wastewater treatment plant.
 5. **Lower and Schoolhouse Roads** involves an extension of roughly 1,100 feet in Schoolhouse Road and 870 feet in Lower Road, including 10 properties. The proposed sewers would discharge to the existing Lower Skippack interceptor sewer in Lower Road that ultimately flows to the Franconia wastewater treatment plant. The area had been included in prior Act 537 planning, but is presented herein for confirmation.
-

6. **Schoolhouse and Nice Roads**, involves an extension of roughly 770 feet along Schoolhouse Road, from the existing pressure sewer east of Souder Road to Nice Road, and includes 3 properties. The proposed sewer would discharge to the existing pressure sewer in Schoolhouse Road, near Souder Road, that ultimately flows to the Franconia wastewater treatment plant.

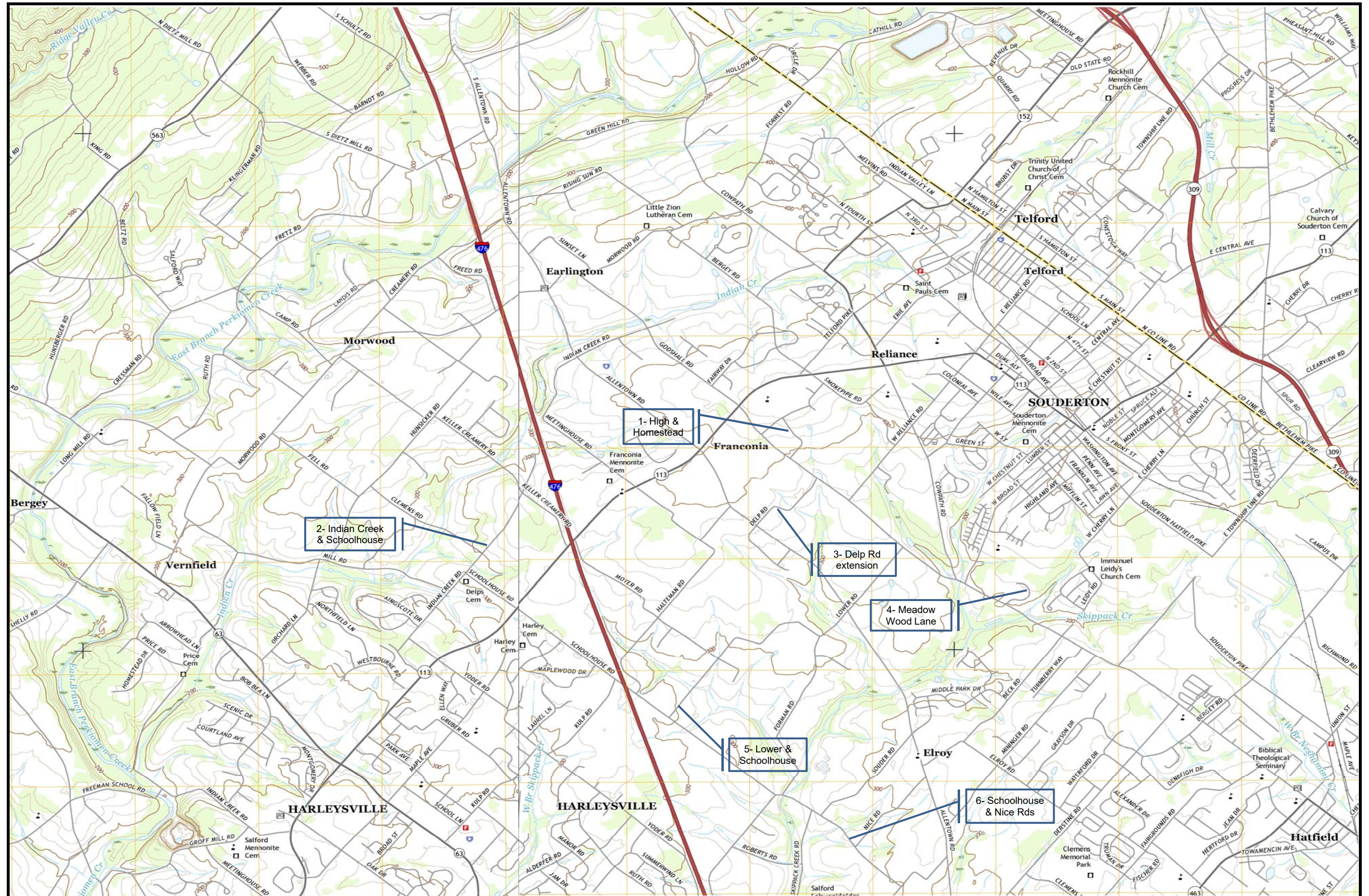


FIGURE 1-1: PROPOSED SEWER INFILLING LOCATION MAP

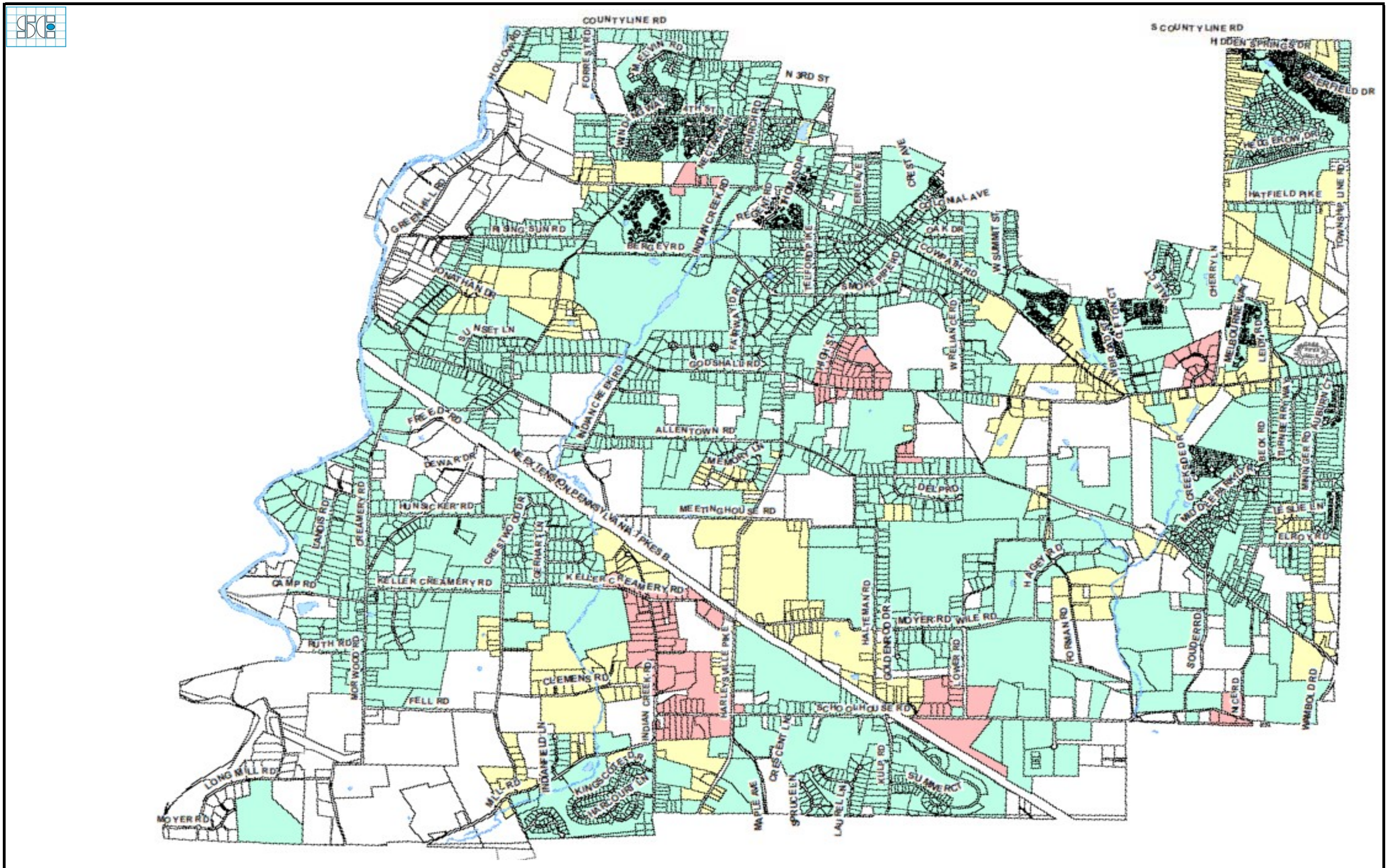


FIGURE 1-2: FUTURE SEWER SERVICE AREAS

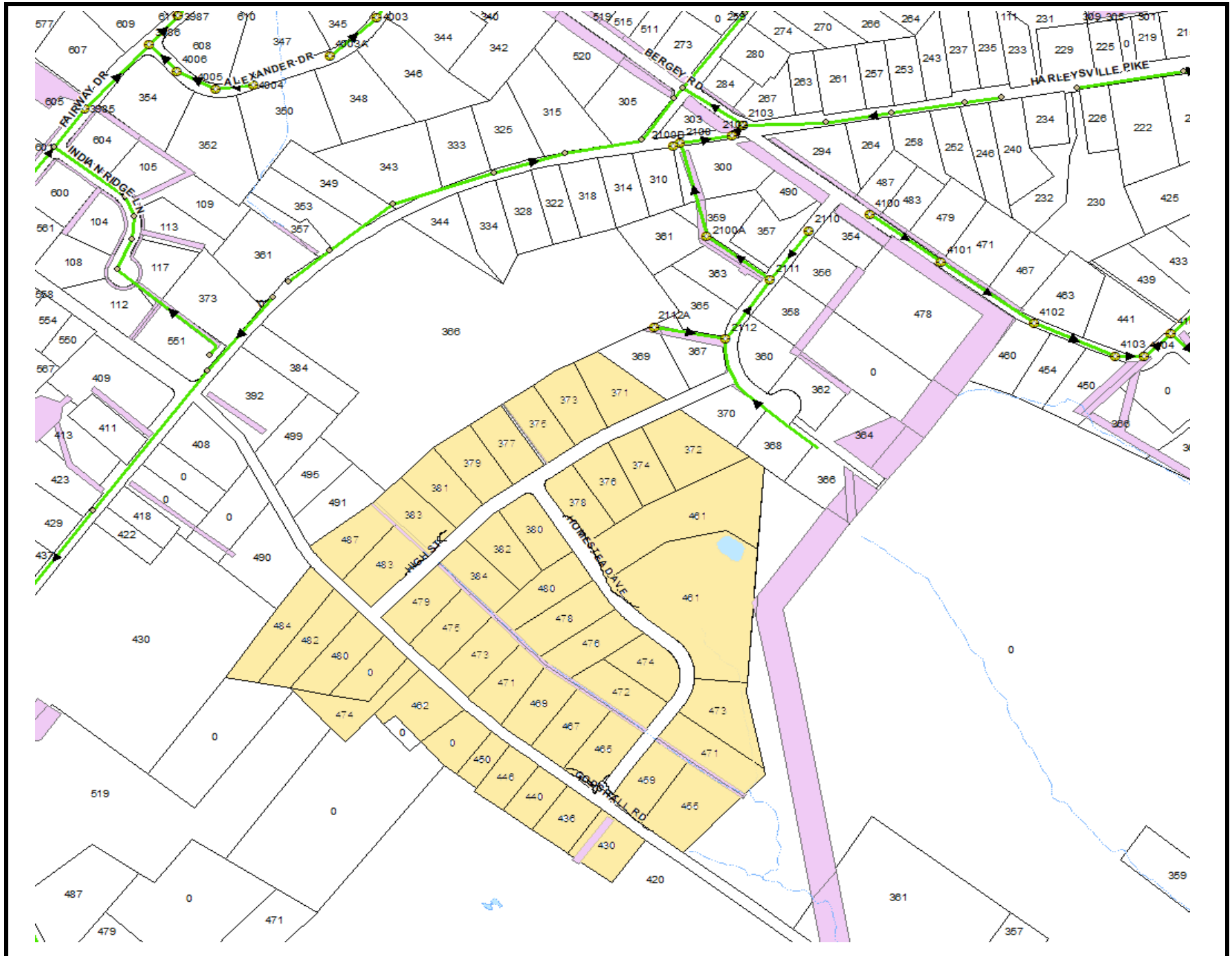


FIGURE 1-3: SEWER INFILLING AT HIGH ST. AND HOMESTEAD AVE.

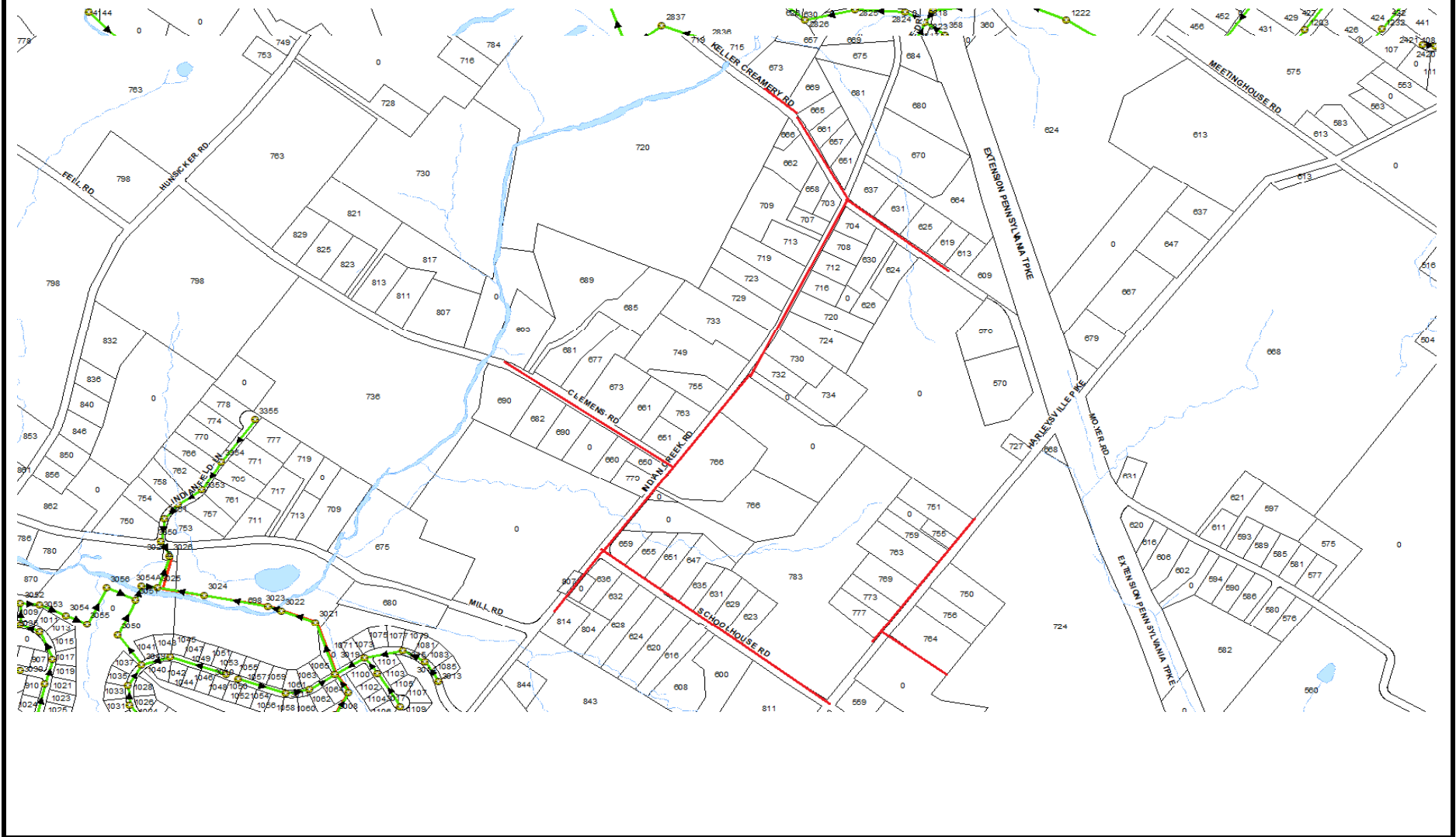
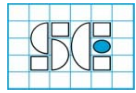


FIGURE 1-4: SEWER EXTENSION IN INDIAN CREEK AND SCHOOLHOUSE ROADS



FIGURE 1-5: DELP ROAD SEWER EXTENSION



FIGURE 1-6: MEADOW WOOD LANE SEWER EXTENSION

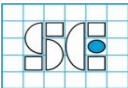


FIGURE 1-7: SEWER EXTENSION IN LOWER AND SCHOOLHOUSE ROADS

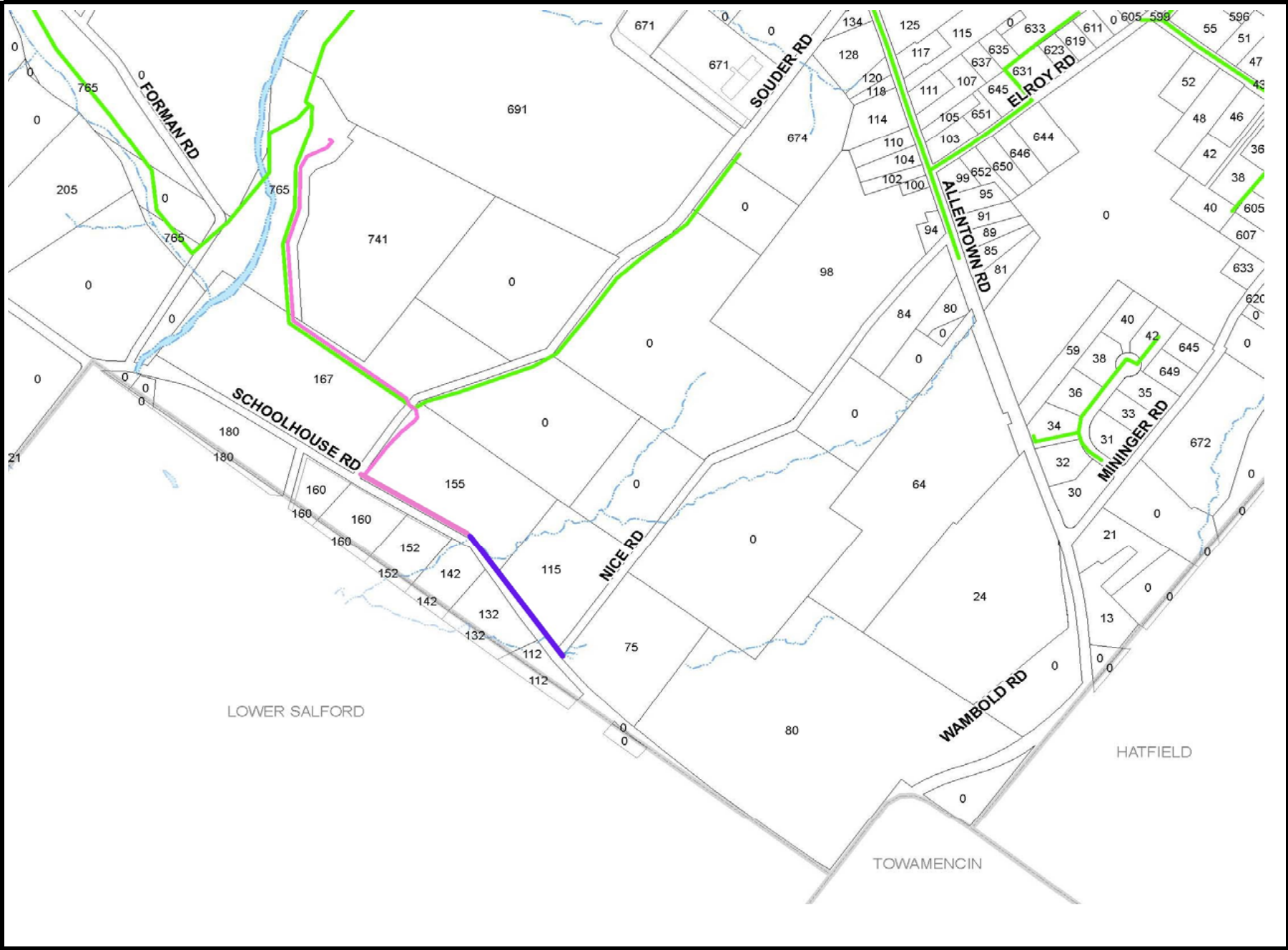


FIGURE 1-8: SEWER EXTENSION ON SCHOOLHOUSE ROAD TO NICE ROAD

2 PHYSICAL AND DEMOGRAPHIC ANALYSIS

2.1 PHYSICAL CHARACTERISTICS

Relevant information pertaining to physical characteristics, such as drainage basins, soils, topography, flood plains and wetlands, were presented in greater detail in the 2004 *Act 537 Plan*.

2.1.1 Drainage Basins

There are three primary drainage basins in Franconia Township:

1. **Perkiomen Creek** basin in the northern section of the township, which is generally located between Morwood Road and the East Branch Perkiomen Creek,
2. **Indian Creek** basin in the central section of the township, which is generally located between Morwood Road and Souderton-Harleysville Pike (PA Route 113), and
3. **Skippack Creek** basin in the southern half of the township, which is generally located between Route 113 and the southeastern border of the township generally defined by Township Line Road and Wambold Road.

As shown in the 2004 *Act 537 Plan*, the following stream basins encompass Franconia Township:

Drainage Basin	Approx. Area	
	(acres)	(% Total)
East Branch Perkiomen Creek	1,390	15.5%
Indian Creek	2,970	33.2%
Skippack Creek	4,300	48.0%
West Branch Neshaminy Creek	<u>290</u>	<u>3.3%</u>
Township Totals	8,950	100%

2.1.2 Soils

Soils within Franconia Township were mapped in Exhibit 3-3 in the 2004 *Act 537 Plan*. There are two general soil associations within Franconia Township:

Soil Association	Drainage Basin
Reaville-Penn-Klinesville	Perkiomen Creek, Indian Creek, and lower Skippack Creek
Abbotstown-Readington-Croton	upper Skippack Creek

- ⇒ **Reaville-Penn-Klinesville** association soils, which are located in the planning area of this study, are shallow to moderately deep, well-drained to somewhat poorly soils underlain by shale. The

soils are generally located on rolling uplands. The major soils are reddish brown, having developed in material weathered from red shale and been influenced by lime.

- ⇒ **Abbotstown-Readington-Croton** association soils are deep, moderately well drained to poorly drained soils underlain by shale and sandstone. The soils are generally located on undulating uplands. The soils are nearly level or gently sloping. The soils formed in material weathered from red, black and brown hard shale.

The primary factor related to these soils is that they have severe limitations for conventional on-lot disposal systems (OLDS).

The severe limitations of these soils are exemplified by a development known as Vistas at Highland Ridge. Vistas is a 23-lot residential subdivision located on 28 acres at Hunsicker Road and Crestwood Drive, which was constructed circa 2015. Vistas used alternative OLDS that required importing specified soils that were allowed to compact over a one-year period. Over the years after installation, the alternative OLDS have failed in roughly a half dozen properties, which were connected to an adjacent public pressure sewer system that was subsequently constructed by the FSA.

2.1.3 Wetlands

Wetlands within Franconia Township were mapped in Exhibit 3-2 in the 2004 *Act 537 Plan*. The wetlands mapping is based on the generalized delineation prepared by the US Department of Agriculture in the national inventory.

As noted previously, the sewer infilling and/or extensions would be located in public rights-of-way. Accordingly, there would be no impacts on wetlands by any sewer construction.

2.2 POPULATION

Population data for Franconia Township, including (a) historic data determined by the U.S. Census Bureau and (b) population projections estimated by the Delaware Valley Regional Planning Commission (DVRPC), are summarized as follows and shown graphically in Figure 2-1:

Year	Population (persons)	Housing Units (DU)	Household Size (person/DU)
1970	5,245	1,423	3.69
1980	6,545	2,031	3.22
1990	7,189	2,319	3.10
2000	11,523	4,236	2.72
2010	13,064	4,801	2.72
2020	13,259	4,902	2.70
<u>DVRPC</u>			
2020	13,397		
2030	14,437		
2040	15,751		
2050	16,857		

The population determined by the U.S. Bureau of Census in 2000 indicated that Franconia Township had been the 4th fastest growing of the 62 municipalities in Montgomery County at that time. Growth within the Township has slowed in the last decades within Franconia. The DVRPC has projected slow growth to continue at a rate of 0.75% per year between 2020 and 2050. As a result, it can be expected that future sewer extensions in Franconia Township will be for infilling adjacent to existing sewers.

2.3 LAND USE

Franconia Township traditionally had an agricultural setting with the four villages of Franconia, Elroy, Earlington and Morwood contained therein. There has been a transition over time, specifically between 1990 and 2010, to more of a suburban community. At this time, Franconia Township has been largely built out. There are still large areas of vacant or farmland. However, a large portion of the vacant land has been preserved by the Township. The challenge to Franconia Township is to provide for the public health of the community through wastewater facilities management.

Existing land use in Franconia Township is regulated by the current zoning ordinance. Land use and zoning for the Township was presented in the 2004 *Act 537 Plan*. Significant changes in land use since 1994 are summarized as follows:

Land Use	Area of Township (% Total)		
	1994	2001	2013
Residential	37.7%		
Single Family Detached		26.1%	30.1%
Commercial	1.8%		
Industrial	2.3%		
Institutional	2.5%	3.5%	8.8%
Agricultural, Vacant	49.5%	37.3%	31.9%
Miscellaneous	6.2%		
Township Total	100.0%		

Source: *Indian Valley Regional Comprehensive Plan, Draft, January 2015*

The significant increase in institutional land use by 2013 can be partly attributed to the construction of the new Souderton Area High School.

It is clear that agricultural or vacant land has decreased in the past 30 years, while residential land use has increased conversely. Franconia Township has seemingly undergone the same type of development that municipalities closer to Philadelphia did in prior decades. However, Franconia has been one of the leaders in preserving agricultural land, as shown in Figure 2-2.

DEMOGRAPHIC HISTORY

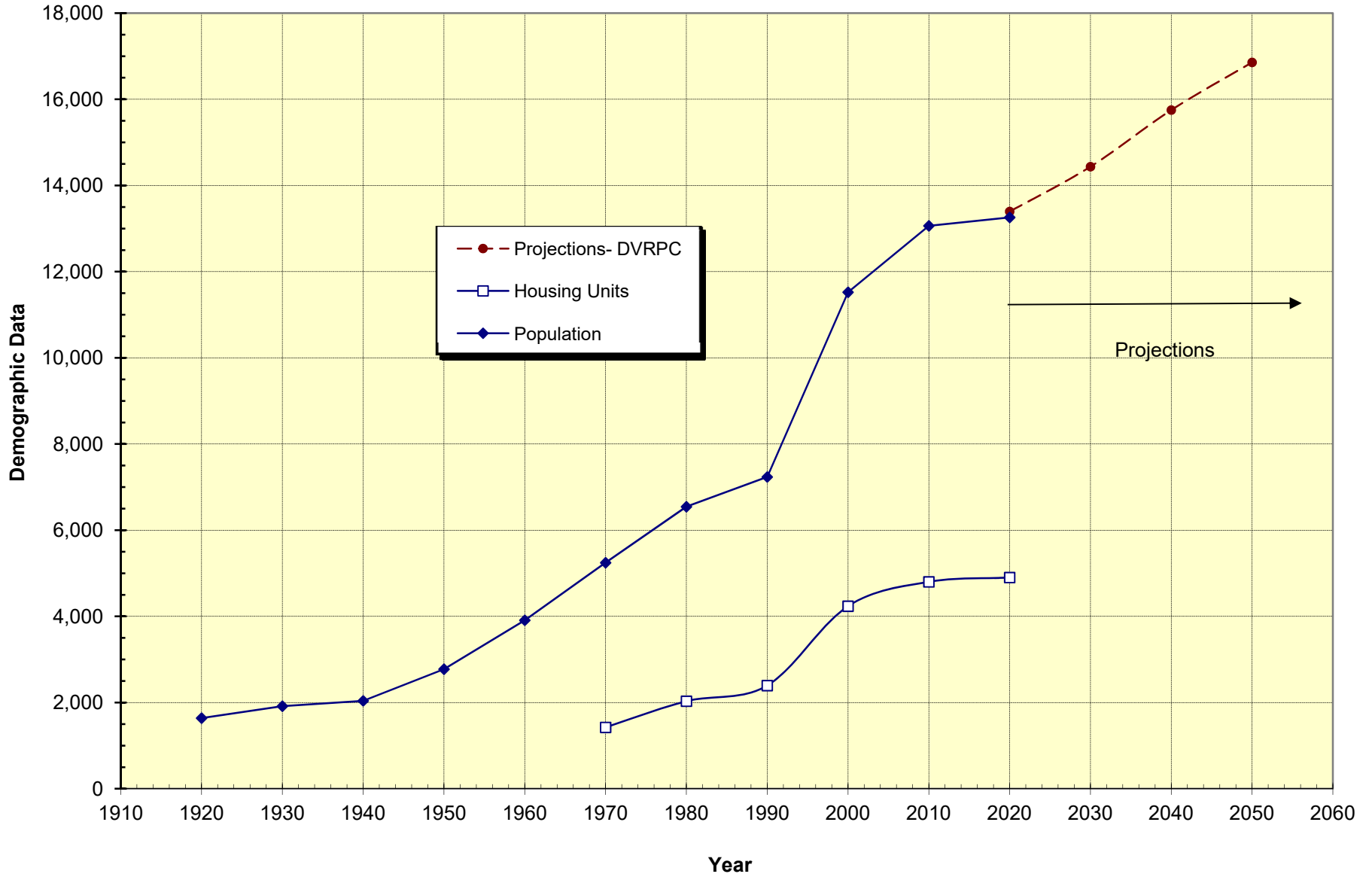


FIGURE 2-1: DEMOGRAPHIC HISTORY

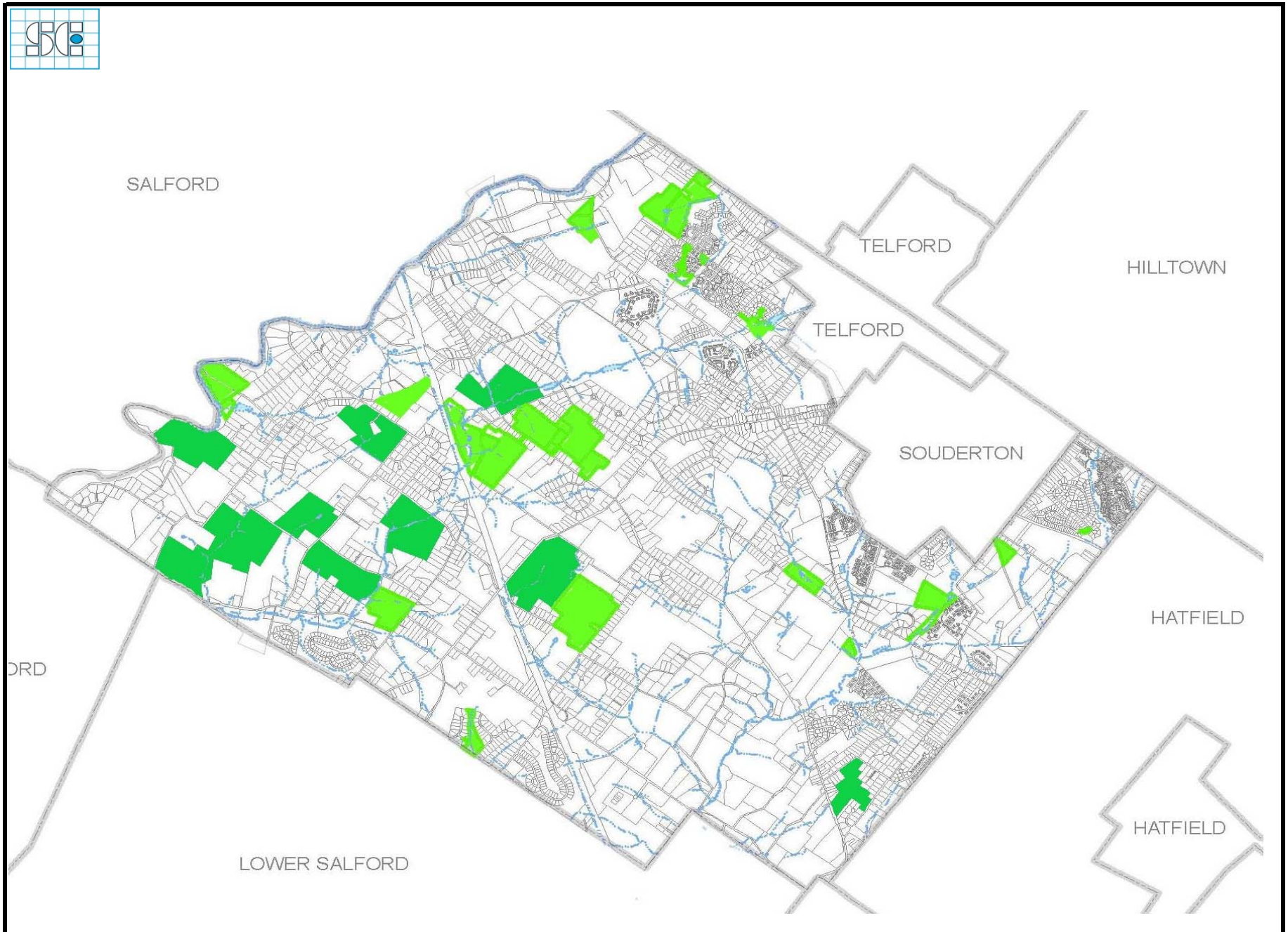


FIGURE 2-2: PRESERVED OPEN SPACE

3 EXISTING SEWERAGE FACILITIES

3.1 SEWERAGE AGENCIES

The Franconia Sewer Authority (FSA) installed its first public sewer system in the village of Franconia in 1975 and subsequently in the village of Elroy, Earlington and Morwood. The FSA currently collects the wastewater generated within the developed portions of the Township through over 35 miles of sewers and then conveys it to (a) its wastewater treatment plant (WWTP) located on Souder Road and (b) four WWTP operated by external municipal agencies.

Franconia Sewer Authority is responsible to install, own, operate and maintain the public sewers, pumping stations and wastewater treatment plant that collect, convey and treat wastewater within the Township. Franconia Township is responsible for determining the need for sewerage service within its municipal borders. When a need is determined, the FSA is then responsible for implementing the sewerage system.

Municipal Treatment Agencies provide wastewater treatment to portions of the FSA service area generally based on drainage basin, as will be described in a subsequent section. Wastewater treatment is provided through the FSA by four outside sewerage agencies depending on the drainage basin within the Township, including (1) Telford Borough Authority, (2) Souderton Borough, (3) Lower Salford Township Authority and (4) Hatfield Township Municipal Authority.

3.2 PUBLIC SEWER SYSTEM

The existing sanitary sewerage system in Franconia Township was presented in Exhibit 4-1 of the 2004 *Act 537 Plan*. The existing FSA sanitary sewerage in proximity to the planning areas is described in the following sections for

- (a) Telford sewer district in the upper portion of the Perkiomen and Indian Creek basins of the Township, generally located north of PA Route 113 and east or upstream of Allentown Road,
- (b) Souderton sewer district in the upper portion of the Skippack Creek basin of the Township, generally located east or upstream of Allentown Road, and between Reliance Road and Mininger Road, and
- (c) Franconia WWTP service area in the lower Skippack Creek basin of the Township, generally located south of PA Route 113 and west or downstream of Allentown Road.

The sewerage systems for the FSA districts are shown in Figure 3-1.

3.2.1 Wastewater Treatment Plants

Franconia Township is served by various municipal wastewater treatment plants (WWTP) depending on the drainage basin.

Municipal WWTP	Hydraulic Capacity (mgd)	Drainage Basin Served
Telford	1.23	Perkiomen Creek, upper Indian Creek,
Lower Salford	1.976	lower Indian Creek
Souderton	2.0	upper Skippack Creek
Franconia	0.25	lower Skippack Creek

Telford Borough Authority WWTP is located in Franconia Township on Telford Pike between Fourth Street and Cowpath Road. The plant discharges treated effluent to the Indian Creek under the conditions of NPDES permit #PA0036978. The plant is currently rated to handle a maximum monthly flow of 1.23 million gallons per day (mgd).

The Franconia Sewer Authority reserved and purchased a capacity of 0.3 mgd or 31.6 percent of the Telford WWTP at the time of the 1987 expansion. Franconia’s capacity has been increased through WWTP re-ratings and purchases in the Telford plant to its current capacity of 0.581 mgd. Although current FSA flows are approaching its reserve, the FSA still has available capacity in the Telford plant.

Lower Salford Township Authority has two WWTP: the older Harleysville WWTP and the newer Mainland plant. The Harleysville WWTP serves a small portion of Franconia Township located in the Indian Creek basin, while the Mainland WWTP serves a portion of Franconia in the Skippack Creek basin.

Harleysville WWTP is located on Sumneytown Pike (PA Route 63) northwest of Souderton-Harleysville Pike (PA Route 113) and was constructed in 1963. The plant has an average annual rating of 0.59 mgd and maximum monthly capacity of 0.72 mgd and discharges treated effluent to a tributary of the East Branch Perkiomen Creek under the conditions of NPDES permit #PA0024422.

Mainland WWTP is located off Sumneytown Pike near Freed Road. Operations at the plant began in September 1997. The plant has an average annual rating of 0.9 mgd and a maximum monthly capacity of 1.976 mgd and discharges to the Skippack Creek under the conditions of NPDES permit #PA0056413.

Souderton Borough WWTP is located in Franconia Township on Cowpath Road, southeast of Broad Street. The plant discharges treated effluent to Skippack Creek under the conditions of NPDES permit #PA0021857. The hydraulic capacity of the plant was expanded in 1989 to 2.0 mgd.

The Franconia Sewer Authority purchased a capacity of 0.15 mgd in the Souderton WWTP in 1989. This capacity was intended to serve the Banbury development and the village of Elroy. Additional capacity (in terms of EDU) has been purchased over the years to provide for other development that discharge directly to the Souderton sewer system as unmetered connections.

Franconia WWTP was constructed by the FSA in 2010 and is located on a subdivided parcel acquired from MOPAC (now JBS Meats) along the Skippack Creek on Souder Road near Schoolhouse Road. The WWTP and sewerage system in the lower Skippack Creek basin was implemented by the FSA pursuant to the *2007 Act 537 Plan Revision: Special Study*.

The WWTP design is based on an average annual flow of 150,000 gallons per day (gpd), with a hydraulic design capacity to treat a maximum monthly flow of 250,000 gpd. The WWTP provides advanced treatment to meet stringent effluent limits in NPDES permit #PA0244295.

3.2.2 Sewer System

The sanitary sewerage system in Franconia Township is mapped in the exhibit at the end of this chapter. The sewer systems are owned and maintained by the Franconia Sewer Authority (FSA). There are over 48 miles of public sanitary sewers in Franconia Township, as listed in Table 3-1 and summarized as follows according to the WWTP to which they discharge:

Sewer District	Sewer Length (feet)	Housing Units (EDU)
Telford Borough Authority	128,735	1,176
Souderton Borough	60,690	994
Lower Salford Township Authority:	11,435	128
Hatfield Township Mun. Authority	24,200	446
FSA Lower Skippack	<u>29,735</u>	<u>150</u>
Totals	254,795	2,460

Due to the rolling hills that make up the nature of Franconia Township, pumping stations are required to convey wastewater from gravity sewers to the various treatment plants.

3.2.3 Pumping Stations

There are ten (10) existing pumping stations in the FSA collection/conveyance system in the various service areas of Franconia Township. The ten pumping stations range in capacities from 50 to 550 gallons per minute (gpm). Existing pumping stations in the system are summarized as follows, according to service area.

WWTP	Pumping Station	Type	Capacity (gpm)	Year of Construction
Telford				
	Allentown Road PS	submersible	200	1975
	Godshall Road PS	dry well	500	2005
	Earlington PS	submersible	550	2011
	Peartree PS	dry well	520	1992
	Forrest View PS	dry well	200	1996
Lower Salford				
	Kingscote PS	dry well	180	1997
	Maple Ave. PS	submersible	52	2003
Souderton				
	Banbury PS	dry well	340	1995
	Knights Crest PS	submersible	75	2005
	Reliance Road PS	submersible	66	2007
Franconia	None			

Further descriptions of the pumping stations in the Franconia sewerage system were provided in prior Act 537 documents.

3.3 ON-LOT DISPOSAL SYSTEMS

Large areas of Franconia Township rely on on-lot disposal systems (OLDS) for wastewater management. The older residential areas in the basin use conventional subsurface septic systems. However, there have been some elevated sand mounds installed more recently.

As part of the on-lot disposal management program implemented throughout the Township pursuant to the 2004 *Act 537 Plan*, properties were inspected over a 3-year program according to the three primary drainage basins.

The results of the OLDS inspections performed throughout Franconia were assessed to better determine the need to extend public sewer service. The three annual reports prepared by Schoor DePalma in recommended certain sewer extensions in the Morwood area to alleviate OLDS problems. The following excerpt from the reports provides a general *“recommendation for addressing the malfunctioning OLDS:*

- 1) *Any properties with Confirmed Malfunctioning OLDS that currently have public sewer access should be required to connect to public sewer within three to six months. Any properties with Suspected Malfunctioning OLDS that currently have public sewer access should be given the option to connect to public sewers.*

- 2) *There are general concentrations of smaller lots (generally 0.75 acre or less) with Confirmed or Suspected Malfunctioning OLDS. It is unlikely that Confirmed or Suspected Malfunctioning*

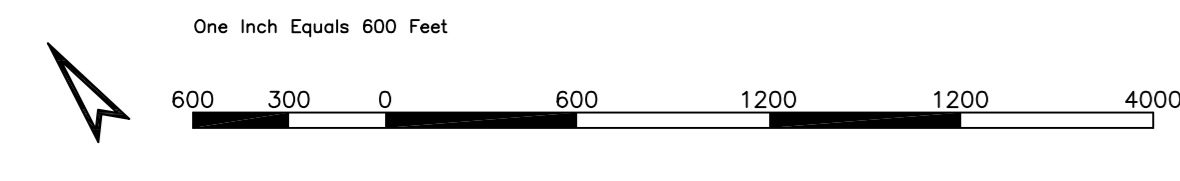
OLDS can be adequately repaired or replaced in these areas of smaller lots in a manner that would be cost effective to the residents. The Township should determine the best way to provide public sewer to these, and surrounding, residents.

- 3) Small lots outside of the areas listed in (2), above, with Confirmed or Suspected Malfunctioning OLDS should implement temporary, interim methods – such as more frequent pumping, water conservation, diversion of stormwater away from drainfield, and/or minor structural repairs – to reduce the potential for public health concerns, but await the determination of areas to receive public sewer before affecting major repairs or replacement.*
- 4) As with (3), above, large lots (1+ acres) with Confirmed or Suspected Malfunctioning OLDS should also consider implementing temporary, interim methods to reduce the potential for public health concerns, but await the determination of areas to receive public sewer before affecting major repairs or replacement.*

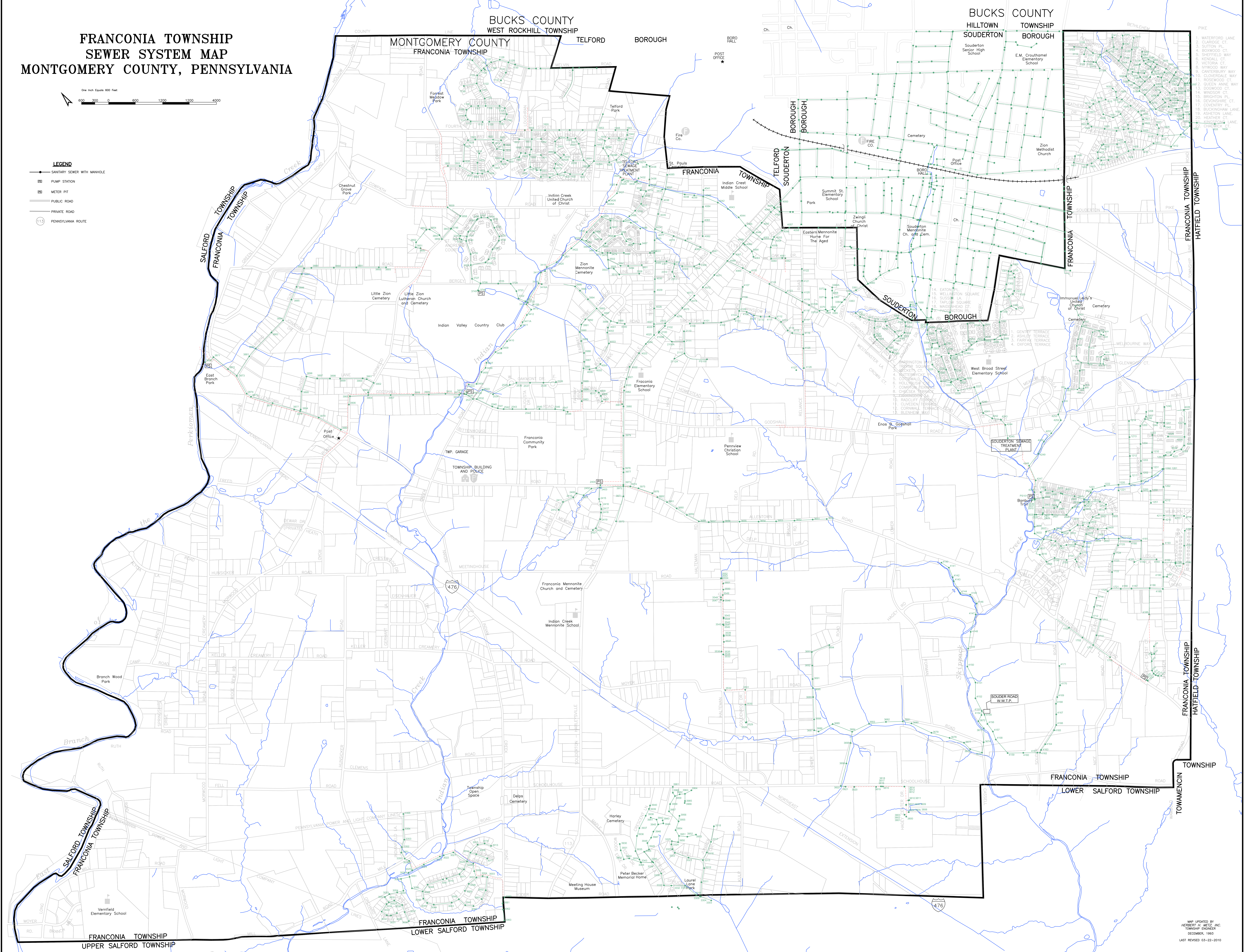
The preceding recommendations from the *Sewage Management Program Annual Reports* provide the basis for the proposed sewer extensions described herein. The areas proposed for public sewers have:

- a. Confirmed or Suspected Malfunctioning OLDS, and/or
- b. Small Lots.

FRANCONIA TOWNSHIP SEWER SYSTEM MAP MONTGOMERY COUNTY, PENNSYLVANIA



- LEGEND**
- SANITARY SEWER WITH MANHOLE
 - ⊞ PUMP STATION
 - ⊞ METER PIT
 - PUBLIC ROAD
 - PRIVATE ROAD
 - 113 PENNSYLVANIA ROUTE



- BUCKS COUNTY**
- 1. WATERFORD LANE
 - 2. CLARIDGE CT.
 - 3. SUTTON PL.
 - 4. BOXWOOD CT.
 - 5. SHERFIELD WAY
 - 6. KENDALL CT.
 - 7. VICTORIA CT.
 - 8. BRIGHTON PL.
 - 9. DOGWOOD CT.
 - 10. DEVONSHIRE CT.
 - 11. BUCKINGHAM LANE
 - 12. ASHTON LANE
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 - 71. HEATHER CT.
 - 72. BUCKINGHAM LANE
 - 73. HEATHER CT.
 - 74. BUCKINGHAM LANE
 - 75. HEATHER CT.
 - 76. BUCKINGHAM LANE
 - 77. HEATHER CT.
 - 78. BUCKINGHAM LANE
 - 79. HEATHER CT.
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 - 86. BUCKINGHAM LANE
 - 87. HEATHER CT.
 - 88. BUCKINGHAM LANE
 - 89. HEATHER CT.
 - 90. BUCKINGHAM LANE
 - 91. HEATHER CT.
 - 92. BUCKINGHAM LANE
 - 93. HEATHER CT.
 - 94. BUCKINGHAM LANE
 - 95. HEATHER CT.
 - 96. BUCKINGHAM LANE
 - 97. HEATHER CT.
 - 98. BUCKINGHAM LANE
 - 99. HEATHER CT.
 - 100. BUCKINGHAM LANE

**TABLE 3-1
SEWER SYSTEM INVENTORY**

Sewer District	Sewer Pipe Inventory		Length (feet)	No. of Manholes	No. of Sewer Connections
	Diameter (inches)	Material			
Telford					
Telford Pike meter	2-10	PVC/ACP	107,787	279	657
Peartree P.S.	8	PVC	<u>20,946</u>	<u>109</u>	<u>519</u>
Telford District Subtotal			128,733	388	1,176
Souderton					
Reliance & Cowpath Rds	8	PVC	6,407	32	58
Kingsfield	8	PVC	3,804	28	66
Broad St. corridor	8	PVC	7,299	43	182
Banbury P.S.	8-15	PVC	<u>43,180</u>	<u>204</u>	<u>688</u>
Souderton District Subtotal			60,690	307	994
Lower Salford					
Gravity service area	8	PVC			
Kingscote P.S.	8-12	PVC	<u>11,435</u>	<u>65</u>	<u>128</u>
Lower Salford District Subtotal			11,435	65	128
Hatfield	8	PVC	24,200	133	446
FSA Lower Skippack	8-15	PVC	29,734	91	150
Totals - Franconia Sewer System			254,793 48.26 miles	893	2,744

4 ASSESSMENT OF CURRENT AND FUTURE FLOWS

4.1 CURRENT FLOWS

Current flows to the wastewater treatment plants (WWTP) that serve the Franconia sewerage system are reviewed to analyze available capacity. The annual wasteload management reports, prepared in accordance with PADEP Chapter 94 regulations, for each WWTP were reviewed to determine current flows and projected flows for the next five years.

Municipal WWTP	Hydraulic Capacity (mgd)	Max. 3-Month Flow (mgd)	
		Current (2023)	Projected
Telford	1.23	0.809	0.848
Lower Salford			
Harleysville	0.72	0.487	0.573
Mainland	1.976	1.015	1.072
Souderton	2.0	1.67	1.70
Franconia	0.25	0.048	0.123

The annual Chapter 94 reports for 2023 indicate that there is sufficient available capacity in the various WWTP for the proposed Franconia sewer extensions. The reports indicate no current or projected overloads.

4.2 WASTEWATER FLOW PROJECTIONS

Wastewater flow projections have been developed for the service sub-areas. The wastewater projections are based on 275 gpd per equivalent dwelling unit (EDU) and may be summarized as follows:

Service Region	Service Projection (EDU)	Projected Avg. Flow (gpd).		
		Telford	Souderton	Franconia
High & Homestead	45	12,375		
Indian Creek/Schoolhouse Rds	79			21,725
Delp Road	4			1,100
Meadow Wood Lane	12		3,300	
Lower/Schoolhouse Rds	10			2,750
Schoolhouse/Nice Rds	<u>3</u>			<u>825</u>
Totals	153	12,375	3,300	26,400

5 IDENTIFICATION AND EVALUATION OF ALTERNATIVES

As was described in Chapter 2, inspections of on-lot disposal systems (OLDS) in Franconia Township were completed over a 3-year program in 2005 through 2007. The subsequent annual reports, which summarized the inspections, identified concentrations of areas with confirmed or suspected malfunctioning OLDS.

The purpose of this plan is to identify and evaluate alternatives required to meet the needs of Franconia Township.

5.1 NO ACTION ALTERNATIVE

The applicability of continued reliance on OLDS management program must be evaluated. The applicability of the program is dependent on the ability to maintain, repair or replace OLDS in the planning area such that they can function effectively. The viability of OLDS relies on factors such as:

- **Soils Suitability.** As described in Section 4.3, the soils in Franconia Township are generally unsuitable for conventional subsurface OLDS and marginal for elevated sand mounds. The primary factor involved is the limited depth of the soils, although soils percolation is also a factor. The MCHD has not found soils with the depth of 60 inches required by PADEP standards for conventional subsurface OLDS. Consequently, these conventional systems can be expected to have problems in the absence of proper and continuing maintenance. Replacement with elevated sand mounds (or some other alternate OLDS) may be a solution to the problem areas, provided that the required soils depth of 20 inches can be found on the property.
- **Lot Size.** Given that replacement with elevated sand mounds or other alternative system is a probable solution, the property must be sufficiently large to accommodate the alternate OLDS. Typically, an elevated sand mound (or alternate drip irrigation system) requires an area of roughly 3,000 square feet.

As discussed above and in Section 4.3.2, conventional subsurface OLDS are generally not applicable for the soils in Franconia Township. Alternate OLDS would ultimately have to be utilized for the replacement of failing systems. These alternate systems include:

- Elevated Sand Mounds
- Drip Irrigation Systems
- Small Flow Treatment Facility
- Individual Residential Spray Irrigation Systems

Replacement of conventional subsurface OLDS with alternate systems can be costly, ranging from \$35,000 to \$50,000. Additionally, these systems generally require more land area. Considering the preceding factors, it appears that an OLDS management program for the smaller lots may be limited.

This conclusion is consistent with the *Sewage Management Program Annual Reports* that recommended that “it is unlikely that confirmed or suspected malfunctioning OLDS can be adequately repaired or replaced in these areas of smaller lots in a manner that would be cost effective to the residents.”

Given that recommendation from the *Sewage Management Program Annual Reports* and the potential public health concerns, “no action” does not appear to be a viable alternative.

5.2 PUBLIC SEWERAGE SERVICE

The areas to be served with public sewers may be summarized as follows.

Service Region	Sewer Length (ft.)	Service Projection (EDU)
High & Homestead	4,870	45
Indian Creek/Schoolhouse Rds	10,140	79
Delp Road	350	4
Meadow Wood Lane	1,750	12
Lower/Schoolhouse Rds	1,970	10
Schoolhouse/Nice Rds	<u>770</u>	<u>3</u>
Totals	19,850	153

Public sewerage service can be provided to an area of need by two general components:

1. **Collector sewer system** would generally be located in the roads fronting the properties to be served. The collector sewers can be gravity or pressure driven.
2. **Conveyance system** discharges wastewater from a collector sewer system ultimately to a treatment plant. Conveyance systems in gravity sewer systems could involve a pumping station and discharge force main, depending on natural drainage features.

As mentioned, collector sewers can be gravity or pressure driven. The decision on type of collector sewer is generally based on (a) cost and (b) topography in the area.

Gravity Sewers have been the traditional method of wastewater collection. The local collector sewers in residential areas are constructed of 8-inch gravity sewers with intermediate manholes. These gravity sewers are typically 8 to 10 feet deep and provide homeowners with the benefit of virtually no maintenance requirements. Where gravity collector sewers are selected, pumping station and force main could be required to convey the wastewater over major and minor ridge lines to the discharge point.

Pressure sewers require grinder pumps to discharge wastewater from the houses to a 2-inch up to a 4-inch pressure sewer in the roads. In addition to smaller pipe sizes, pressure sewers are typically installed at a shallower depth of 4 feet. In certain areas of Franconia Township where topography precludes the use of gravity sewers, pressure sewers have been used. Pressure sewers have the benefit of lower initial

construction cost, but have the disadvantage of (a) being reliant on electric power for operation and (b) requiring the periodic maintenance and eventual replacement of the grinder pumps by the homeowners.

5.3 EVALUATION OF SEWERAGE ALTERNATIVES

Evaluation of means to provide service to some of the sewer infilling areas in Franconia Township, such as the High Street and Homestead Avenue area, dates back to 2011. Initial concepts began with gravity collector sewers to be constructed. The problem that has stalled the sewerage concept since that time has been the affordability of the project.

In order to compare the cost of gravity sewers versus pressure sewers, two contracts in Franconia Township were reviewed. The two contracts provided sanitary sewer service to the older villages of Earlington and Morwood, two of the historic four villages in Franconia Township (Franconia and Elroy being the other two). The two villages are similar in character and density and both are located in the Perkiomen Creek basin. Earlington was served by 2008 contracts that installed gravity sewers with a pumping station to discharge flows to the Indian Creek basin where the Telford wastewater treatment plant (WWTP) is located. Morwood was served by a 2019 contract that installed pressure sewers. The Morwood system, even though it is located further than the Earlington system, relies on individual grinder pumps to discharge flows to the Telford WWTP.

Costs and details of the sewer Franconia sewerage contracts are presented in Table 5-1 and summarized as follows.

Sewer System	Construction Cost (\$/foot)
Gravity Sewers	\$260
Pressure Sewers	\$95

Review of the cost estimates presented in Table 5-1 confirms the expected conclusion that gravity collector sewer systems represent a substantially greater cost to the user than pressure sewers. It should be noted that, as indicated by the average sewer length per service in Table 5-1, the Earlington contract served only the village core. The Morwood contract served the village core, but also extended into the surrounding area.

Accordingly, pressure sewers were selected as the alternative to reduce the user cost. Pressure sewers make service more affordable to the users and, therefore, a viable alternative. The conclusion about the cost benefit of pressure sewers is deemed as a universal one. Pressure sewers will be installed in all future sewer service areas.

**TABLE 5-1
COST COMPARISON OF GRAVITY VS. PRESSURE SEWER SYSTEMS**

Parameter	Gravity System Earlington Contracts		Pressure Sewers Morwood Contract
	Sewers	Pump Sta.	Sewers
No. of Services	120		252
Sewer			
Diameter (inches)	8		2 - 4
Length (feet)	9,666		30,598
(feet/service)	81		121
Construction Cost - Sewers			
Bid Date	Oct-08	Sep-08	Mar-19
Final Cost			
Sewers	\$1,329,258		\$2,279,413
PS / FM	\$196,124	\$524,954	
Total Construction Cost	\$1,525,382	\$524,954	\$2,279,413
Updated Construction Cost	\$2,503,091	\$868,073	\$2,872,643
Unit Cost			
Property (\$/service)	\$20,859	\$7,234	\$11,399
Sewer Length (\$/ft)	\$259		\$94

Notes:

- 1 Updated Costs based on ENR construction index o 14,150

6 DESCRIPTION OF SELECTED PLAN

6.1 PLAN SUMMARY

The plan selected by Franconia Township calls for a two-phased implementation of proposed sanitary sewer infilling and extension projects in various locations shown previously in Figure 1-2. The first phase of the plan would include sewer infilling / extension projects in the following areas.

- **High Street and Homestead Avenue** area will be infilled with pressure sewer, which will connect to the adjacent gravity sewer in High Street that ultimately discharges to the Telford wastewater treatment plant.
- **Indian Creek and Schoolhouse Roads** area would be served by extending a pressure sewer along Indian Creek Road, from Keller Creamery Road to Schoolhouse Road, and thence along Schoolhouse Road to the existing sewer on the east side of PA Route 113. Branch sewers will also be installed in.
 - (a) Keller Creamery Road, on both sides of Indian Creek Road,
 - (b) Indian Creek Road, on the south side of Schoolhouse Road.

The proposed sewers will ultimately discharge to the Franconia wastewater treatment plant.

- **Delp Road** sewer will be extended a short distance from the existing gravity sewer on the north side of Allentown Road. The existing, adjacent sewer in Delp Road discharges to the Franconia wastewater treatment plant.
- **Meadow Wood Lane** will be served by a pressure sewer in the road that will connect to the adjacent trunk sewer along a Skippack Creek tributary, which ultimately discharges to the Souderton wastewater treatment plant.
- **Lower and Schoolhouse Roads** would be served by extending a pressure sewer along Lower Road, from a Skippack Creek tributary to Schoolhouse Road, and thence along Schoolhouse Road. The proposed sewers would discharge to the existing Lower Skippack interceptor sewer in Lower Road that ultimately flows to the Franconia wastewater treatment plant.
- **Schoolhouse and Nice Roads**, involves a pressure sewer along Schoolhouse Road, from east of Souder Road to Nice Road and includes 3 properties. The proposed sewer would discharge to the existing pressure sewer in Schoolhouse Road, east of Souder Road, that ultimately flows to the Franconia wastewater treatment plant.

Project cost estimates for the 1st phase of sewer infilling and/or extension projects are included in Appendix A. The proposed sewer projects are quantified and summarized in Table 6-1.

The first three projects above are proposed for immediate construction. The latter three projects are proposed for construction in the near-future. The remainder of the sewer projects shown on Figure 1-2 are proposed for future construction, as determined by need.

6.2 CONSISTENCY DETERMINATIONS

As described in the preceding section, the selected plan involves a sewerage project for immediate construction. The plan was evaluated and found to be consistent with the following requirements:

- ☑ **PA Title 25, Environmental Protection**
 - ✓ Chapter 71, *Act 537 Sewage Facilities Planning Program*
 - ✓ Chapter 93, *Water Quality Standards*. The Perkiomen and Indian Creeks are not classified as a high quality or exceptional value streams. However, the Indian and Skippack Creeks to which the existing WWTP discharge have been designated as “impaired streams” under section 303(d) of the Federal Clean Water Act. The existing WWTP provide advanced treatment to meet effluent limits established by the PADEP.
 - ✓ Chapter 94, *Municipal Wasteload Management*. The WWTP, to which the proposed sewer extensions would discharge, are not currently nor projected to be overloaded.
 - ✓ Chapter 95, *Wastewater Treatment Requirements*. There are no WWTP proposed.
 - ✓ Chapter 102, *Soil Erosion and Sedimentation Control*. Appropriate permits will be obtained from the Montgomery County Conservation District and controls installed and maintained during construction. However, the pressure sewers will be installed by horizontal directional drilling, a trenchless technology.
 - ✓ Chapter 105, *Wetland Protection*. Wetlands are not expected in the proposed sewer areas according to the national inventory. However, the proposed sewers will be constructed in the public rights-of-way of existing roads. As a result, the projects will not impact wetlands.
- ☑ **Federal Clean Water Act (Section 208)**. Antidegradation requirements are addressed under PADEP Chapter 93, above.
- ☑ **PA State Water Plan**. Potential well contamination issues related to on-lot disposal system problems will be eliminated by public sewer service.
- ☑ **PA Municipalities Planning Code (Act 247)**
- ☑ **PA Storm Water Management Act**. There is no approved stormwater management plan for the Skippack Creek basin in Montgomery County. A study has been initiated but not completed nor approved, according to the PADEP.
- ☑ **PA Natural Diversity Inventory (PNDI)**. PNDI search was completed by the PADEP for the proposed project. The PNDI Environmental Review indicated “no known impacts.” Documentation *is* provided in Appendix D.
- ☑ **PA Historical Protection Act of 1978**. Submittals were made to the PA Historical and Museum Commission (PHMC) for the proposed sewerage project. In a letter of _____, 2024, the PHMC stated that “the project will have no effect on historic properties.” Documentation is provided in Appendix D.
- ☑ **Prime Agricultural Land Preservation Policy**. The 1995 *Environmental Resource Protection Plan* identifies the area along the streams as “Prime Farmland” and the vast majority of the remainder of Franconia Township as “Farmland of Statewide Importance.” The stated policy of PADEP is to provide a review of new land development “because the availability of public sewer and water lines increases the probability that an area will be developed further.” The selected plan does not propose sewers past permanently preserved agricultural lands.

6.3 ANTICIPATED IMPLEMENTATION SCHEDULE

As mentioned above, the sewer infilling and/or extension projects will be installed in two phases. The first three projects are proposed for immediate construction. The latter three projects are proposed for construction in the near-future, as determined necessary.

A tentative schedule for implementation of the selected sewerage projects has been developed. The following tabulation provides a generalized implementation schedule for the sewer project proposed for immediate implementation. The schedule is based on time from initiation of the project.

Project Task	Tentative Schedule
Design of construction project (from authorization to permit application)	6 months
Construction Permitting (from application to DEP approval)	4 months
Bidding for construction contracts (from Advertisement to contract award)	3 months
Contract Initiation (from contract award to Notice to Proceed)	2 months
Project Construction (from Notice to Proceed to completion)	9 months

The preceding schedule is tentative at this time and could vary as the project proceeds. However, the tentative schedule indicates that it will take roughly 2 years from the time of design authorization to the completion of construction and the availability of public sewer service.

6.4 CAPITAL FINANCING PLAN

Financing of the selected sewerage plan is expected to come from two primary sources:

- \$ **Grant.** The FSA received an H2O PA grant from the Commonwealth Financing Authority in December 2023. The grant is in the amount of \$1,125,660 and is intended to partially fund the sanitary sewer extensions (1) in the High Street and Homestead Avenue area and (2) along Indian Creek and Schoolhouse Roads and certain branch roads.
- \$ **Sewer Assessments.** Properties abutting and/or served by the installed sewers will be charged a fee for their share of the service.

In the event that there are property owners who do not pay the sewer assessment, a lien will need to be recorded on those properties and the FSA has the following interim means of financing.

- \$ **Bond Issue.** The balance of the project costs could be financed through a municipal bond issue. The annual debt service on the bond issue would be incorporated into the rates of existing sewer users.

**TABLE 6-1
SUMMARY OF SEWER EXTENSION PROJECT COSTS
PHASE 1: IMMEDIATE OR NEAR-FUTURE CONSTRUCTION**

Sewer Extension Project	Properties Served	Sewer Length (feet)	Cost Estimate		Unit Cost (\$/property)
			Construction	Total Project	
1 High St & Homestead Ave Area	45	4,870	\$644,000	\$741,000	\$16,470
2 Indian Creek Rd / Schoolhouse Rd	79	10,140	\$1,250,000	\$1,438,000	\$18,210
Subtotal	124	15,010	\$1,894,000	\$2,179,000	
H2OPA Grant				<u>\$1,125,660</u>	
Net Project Cost				\$1,053,340	
3 Delp Road	4	350	\$63,000	\$73,000	\$18,250
4 MeadowWood Lane	12	1,750	\$199,000	\$229,000	\$19,090
5 Lower Rd / Schoolhouse Rd	10	1,970	\$230,000	\$265,000	\$26,500
6 Schoolhouse Rd to Nice Rd	3	770	\$86,000	\$99,000	\$33,000
Totals	153	19,850	\$2,472,000	\$2,845,000	\$18,600
Totals w/ H2OPA Grant				\$1,719,340	\$11,240

7 INSTITUTIONAL ARRANGEMENTS

The institutional arrangements that currently exist are adequate to provide for the current and future sewerage service needs of Franconia Township. The Franconia Sewer Authority (FSA) in conjunction with Franconia Township has the capabilities to implement the recommended wastewater facilities plan. The FSA is responsible for all wastewater collection and conveyance within the municipality. There is no apparent need for any new institutional arrangements to provide for public sewerage service.

Financial Status. The Franconia Sewer Authority currently has limited capital reserve funds and has a good financial standing. The FSA, with the backing of Franconia Township, issued an \$8.305 million bond in December 2006. The FSA refunded a portion of those 2006 bonds through a \$5.845 million guaranteed sewer revenue bonds in January 2013. The FSA subsequently fully refunded the 2006 bonds through \$9.18 million guaranteed sewer revenue note in December 2015.

Legal Authority. The Franconia Sewer Authority has the existing legal authority to:

- Implement the wastewater planning recommendations contained herein,
- Negotiate agreements with other parties.
- Condemn property and/or easements for public sewerage facilities in the event that agreements can not be reached.
- Raise capital for the construction of facilities. As mentioned above, the FSA has the financial status to issue a bond to provide capital for the project.
- Set user rates to cover annual debt service requirements and provide for the operation and maintenance of facilities,
- Provide for system-wide operation and maintenance activities, and
- Take enforcement actions against ordinance violators in conjunction with the Township.

Operation and maintenance of the existing sanitary sewerage system is conducted with Township staff. Additionally, Township enforcement of local ordinances can be required for isolated significant events.

- **Staffing.** The current practice of using Township public works crews to operate and maintain the sewer system and pumping stations continues to be functional. It is not anticipated that additional staffing arrangements will be needed as this plan is implemented.

If it is determined in future years that additional staffing is required, those needs can be met through either (a) additional personnel within the Township/Authority framework or (b) contract services.

APPENDIX A

PROJECT COST ESTIMATES

**TABLE 1
CONSTRUCTION COST ESTIMATE
HIGH ST. AND HOMESTEAD AVE. AREA SEWERS**

Item No.	Description	Cost Estimate		
		Unit Price	Quantity	Amount
1	<u>Low Pressure Sewer Main</u> (incl. restoration)			
	Pipe in Non-Traffic Areas			
1.1	2" HDPE	\$70.00	1,950 LF	\$136,500
1.2	3" HDPE	73.00	485 LF	35,405
	Pipe in Local Roads			
1.3	2" HDPE	75.00	1,950 LF	146,250
1.4	3" HDPE	78.00	485 LF	37,830
2	<u>Services</u>			
2.1	Service Valve Assemblies	630.00	45 ea.	28,350
	2" Service Line HDPE Pipe			
2.2	in Non-Traffic Areas	81.00	450 LF	36,450
2.3	in Local Roads	92.00	675 LF	62,100
3	<u>Fittings/Assemblies</u>			
3.1	Terminal Clean-Out	2,000	2 ea.	4,000
3.2	Intermediate Clean-Out	2,800	5 ea.	14,000
3.3	Branch/Clean-Out	2,100	3 ea.	6,300
3.4	Air/Vacuum Release MH	7,700	2 ea.	15,400
5	<u>Existing MH Modifications</u>			
5.1	MH Interior Lining Exist. MH Epoxy Coating	680	30 VF	20,400
5.2	Connect/Drop to exist. MH Pressure Sewer Connection	1,660	1 ea.	1,660
6	<u>Miscellaneous</u>			
6.1	Concrete Encasement	105.00	40 LF	4,200
6.2	Eros. & Sed. Control	13,000	1 LS	4,000
6.3	Traffic Control	38,000	1 LS	3,000
6.4	Utility Pole Maintenance	6,000	1 LS	2,000
6.5	Clearing & Grubbing	24,000	1 LS	2,000
6.6	Survey		allowance	5,000
6.7	Soil Testing		allowance	5,000
6.8	Mobiliz. & Closeout	34,000	1 LS	15,000
	COST ESTIMATE			\$584,845
	Contingency	10%		\$58,490
	CONSTRUCTION COST ESTIMATE			\$644,000
	Engrg, Legal, Admin	15%		\$96,600
	TOTAL PROJECT COST ESTIMATE			\$741,000

TABLE 2
CONSTRUCTION COST ESTIMATE
INDIAN CREEK ROAD / SCHOOLHOUSE ROAD SEWER EXTENSION

Item No.	Description	Cost Estimate		
		Unit Price	Quantity	Amount
1	<u>Low Pressure Sewer Main</u> (incl. restoration)			
	<u>Pipe in Non-Traffic Areas</u>			
1.1	2" HDPE	\$70.00	3,360 LF	\$235,200
1.2	3" HDPE	73.00	705 LF	51,465
1.3	4" HDPE	79.00	1,005 LF	79,395
	<u>Pipe in Local Roads</u>			
1.4	2" HDPE	75.00	3,360 LF	252,000
1.5	3" HDPE	78.00	705 LF	54,990
	<u>Pipe in State Road</u>			
1.9	4" HDPE	92.00	1,005 LF	92,460
2	<u>Services</u>			
2.1	Service Valve Assemblies	560.00	79 ea.	44,240
	2" Service Line HDPE Pipe			
2.2	in Non-Traffic Areas	81.00	790 LF	63,990
2.3	in Local Roads	92.00	915 LF	84,180
2.4	in State Road	99.00	270 LF	26,730
3	<u>Fittings/Assemblies</u>			
3.1	Terminal Clean-Out	2,000	4 ea.	8,000
3.2	Intermediate Clean-Out	2,800	12 ea.	33,600
3.3	Branch/Clean-Out	2,100	3 ea.	6,300
3.4	Air/Vacuum Release MH	7,700	4 ea.	30,800
	Connect to exist. sys.	3,000	1 ea.	3,000
6	<u>Miscellaneous</u>			
6.1	Concrete Encasement	105	30 LF	3,150
6.2	Eros. & Sed. Control	13,000	1 LS	7,000
6.3	Traffic Control	38,000	1 LS	6,000
6.4	Utility Pole Maintenance	6,000	1 LS	4,000
6.5	Clearing & Grubbing	24,000	1 LS	3,000
6.6	Survey		allowance	8,000
6.7	Soil Testing		allowance	8,000
6.8	Mobiliz. & Closeout	34,000	1 LS	30,000
	COST ESTIMATE			\$1,135,500
	Contingency	10%		\$113,550
	CONSTRUCTION COST ESTIMATE			\$1,250,000
	Engrg, Legal, Admin	15%		\$187,500
	TOTAL PROJECT COST ESTIMATE			\$1,438,000

**TABLE 3
CONSTRUCTION COST ESTIMATE
DELP ROAD EXTENSION**

Item No.	Description	Cost Estimate		
		Unit Price	Quantity	Amount
1	<u>Low Pressure Sewer Main</u> (incl. restoration)			
	<u>Pipe in Non-Traffic Areas</u>			
1.1	2" HDPE	\$70.00	175 LF	\$12,250
1.2	3" HDPE	73.00	0 LF	0
	<u>Pipe in Local Roads</u>			
1.3	2" HDPE	75.00	175 LF	13,125
1.4	3" HDPE	78.00	0 LF	0
2	<u>Services</u>			
2.1	Service Valve Assemblies 2" Service Line HDPE Pipe	560.00	4 ea.	2,240
2.2	in Non-Traffic Areas	81.00	40 LF	3,240
2.3	in Local Roads	92.00	60 LF	5,520
3	<u>Fittings/Assemblies</u>			
3.1	Terminal Clean-Out	2,000	1 ea.	2,000
3.2	Intermediate Clean-Out	2,800	0 ea.	0
3.3	Branch/Clean-Out	2,100	0 ea.	0
3.4	Connect to exist. sys.	3,000	1 ea.	3,000
5	<u>Existing MH Modifications</u>			
5.1	MH Interior Lining			
5.1.1	New MH Lining w/ PVC	680	0 VF	0
5.1.2	Exist. MH Epoxy Coating	680	10 VF	6,800
6	<u>Miscellaneous</u>			
6.1	Concrete Encasement	105.00	0 LF	0
6.2	Eros. & Sed. Control	13,000	1 LS	1,000
6.3	Traffic Control	38,000	1 LS	1,000
6.4	Utility Pole Maintenance	6,000	1 LS	1,000
6.5	Clearing & Grubbing	24,000	0 LS	1,000
6.6	Survey		allowance	1,000
6.7	Soil Testing		allowance	1,000
6.8	Mobiliz. & Closeout	34,000	1 LS	2,000
	COST ESTIMATE			\$57,205
	Contingency	10%		\$5,720
CONSTRUCTION COST ESTIMATE				\$63,000
	Engrg, Legal, Admin	15%		\$9,500
TOTAL PROJECT COST ESTIMATE				\$73,000

Notes:

- 1 Unit costs are based on ENR index of 14,150 for the time period Jun-24
- 2 Construction Cost Estimate assumes that 50% of sewers are in Non-Traffic areas.

**TABLE 4
CONSTRUCTION COST ESTIMATE
MEADOWWOOD LANE, OFF COWPATH ROAD**

Item No.	Description	Cost Estimate		
		Unit Price	Quantity	Amount
1	Low Pressure Sewer Main (incl. restoration)			
	Pipe in Non-Traffic Areas			
1.1	2" HDPE	\$70.00	1,040 LF	\$72,800
1.2	3" HDPE	73.00	0 LF	0
1.3	4" HDPE	79.00	0 LF	0
	Pipe in Local Roads			
1.4	2" HDPE	75.00	710 LF	53,250
1.5	3" HDPE	78.00	0 LF	0
1.6	4" HDPE	83.00	0 LF	0
2	Services			
2.1	Service Valve Assemblies 2" Service Line HDPE Pipe	560.00	12 ea.	6,720
2.2	in Non-Traffic Areas	81.00	120 LF	9,720
2.3	in Local Roads	92.00	180 LF	16,560
3	Fittings/Assemblies			
3.1	Terminal Clean-Out	2,000	2 ea.	4,000
3.2	Intermediate Clean-Out	2,800	1 ea.	2,800
3.3	Branch/Clean-Out	2,100	0 ea.	0
3.4	Air/Vacuum Release MH	7,700	0 ea.	0
3.5	2" Gate Valves	470	0 ea.	0
3.6	Connect to exist. sys.	3,000	1 ea.	3,000
6	Miscellaneous			
6.1	Concrete Encasement	105.00	0 LF	0
6.2	Eros. & Sed. Control	13,000	1 LS	1,000
6.3	Traffic Control	38,000	0 LS	1,000
6.4	Utility Pole Maintenance	6,000	1 LS	1,000
6.5	Clearing & Grubbing	24,000	1 LS	2,000
6.6	Survey		allowance	2,000
6.7	Soil Testing		allowance	5,000
6.8	Mobiliz. & Closeout	34,000	1 LS	0
	COST ESTIMATE			\$180,850
	Contingency	10%		\$18,090
	CONSTRUCTION COST ESTIMATE			\$199,000
	Engrg, Legal, Admin	15%		\$29,900
	TOTAL PROJECT COST ESTIMATE			\$229,000

Notes:

- 1 Unit costs are based on ENR index of 14,150 for the time period Jun-24
- 2 Construction Cost Estimate assumes that 50% of sewers are in Non-Traffic areas.

**TABLE 5
CONSTRUCTION COST ESTIMATE
LOWER AND SCHOOLHOUSE ROADS**

Item No.	Description	Cost Estimate		
		Unit Price	Quantity	Amount
1	Low Pressure Sewer Main (incl. restoration)			
	Pipe in Non-Traffic Areas			
1.1	2" HDPE	\$70.00	985 LF	\$68,950
1.2	3" HDPE	73.00	0 LF	0
	Pipe in Local Roads			
1.3	2" HDPE	75.00	550 LF	41,250
1.4	3" HDPE	78.00	0 LF	0
	Pipe in State Road			
1.5	2" HDPE	83.00	435 LF	36,105
1.6	3" HDPE	89.00	0 LF	0
2	Services			
2.1	Service Valve Assemblies 2" Service Line HDPE Pipe	560.00	10 ea.	5,600
2.2	in Non-Traffic Areas	81.00	100 LF	8,100
2.3	in Local Roads	92.00	90 LF	8,280
2.4	in State Road	91.00	60 LF	5,460
3	Fittings/Assemblies			
3.1	Terminal Clean-Out	2,000	1 ea.	2,000
3.2	Intermediate Clean-Out	2,800	1 ea.	2,800
3.3	Branch/Clean-Out	2,100	2 ea.	4,200
3.4	Air/Vacuum Release MH	7,700	1 ea.	7,700
3.5	Connect to exist. sys.	3,000	1 ea.	3,000
4	Creek Crossing			
4.1	by Directional Drilling	20	30 LS	600
5	Miscellaneous			
5.1	Concrete Encasement	105.00	0 LF	0
5.2	Eros. & Sed. Control	13,000	1 LS	2,000
5.3	Traffic Control	38,000	1 LS	1,000
5.4	Utility Pole Maintenance	6,000	1 LS	1,000
5.5	Clearing & Grubbing	24,000	1 LS	1,000
5.6	Survey		allowance	2,000
5.7	Soil Testing		allowance	2,000
5.8	Mobiliz. & Closeout	34,000	1 LS	6,000
	COST ESTIMATE			\$209,045
	Contingency	10%		\$20,900
CONSTRUCTION COST ESTIMATE				\$230,000
	Engrg, Legal, Admin	15%		\$34,500
TOTAL PROJECT COST ESTIMATE				\$265,000

**TABLE 6
CONSTRUCTION COST ESTIMATE
SCHOOLHOUSE ROAD EXTENSION TO NICE ROAD**

Item No.	Description	Cost Estimate		
		Unit Price	Quantity	Amount
1	Low Pressure Sewer Main (incl. restoration) Pipe in Non-Traffic Areas			
1.1	2" HDPE	\$70.00	385 LF	\$26,950
1.2	3" HDPE	73.00	0 LF	0
1.3	4" HDPE	79.00	0 LF	0
	Pipe in Local Roads			
1.3	2" HDPE	75.00	385 LF	28,875
1.4	3" HDPE	78.00	0 LF	0
	4" HDPE	83.00	0	0
2	Services			
2.1	Service Valve Assemblies	560.00	3 ea.	1,680
2.2	2" Service Line HDPE Pipe in Non-Traffic Areas	81.00	30 LF	2,430
2.3	in Local Roads	92.00	45 LF	4,140
3	Fittings/Assemblies			
3.1	Terminal Clean-Out	2,000	1 ea.	2,000
3.2	Intermediate Clean-Out	2,800	0 ea.	0
3.3	Connect to exist. sys.	3,000	1 ea.	3,000
4	Miscellaneous			
4.1	Concrete Encasement	105.00	0 LF	0
4.2	Eros. & Sed. Control	13,000	1 LS	1,000
4.3	Traffic Control	38,000	1 LS	1,000
4.4	Utility Pole Maintenance	6,000	1 LS	1,000
4.5	Clearing & Grubbing	24,000	0 LS	1,000
4.6	Survey		allowance	1,000
4.7	Soil Testing		allowance	1,000
4.8	Mobiliz. & Closeout	34,000	1 LS	2,000
	COST ESTIMATE			\$78,105
	Contingency	10%		\$7,810
CONSTRUCTION COST ESTIMATE				\$86,000
	Engrg, Legal, Admin	15%		\$12,900
TOTAL PROJECT COST ESTIMATE				\$99,000

Notes:

- 1 Unit costs are based on ENR index of 14,150 for the time period Jun-24
- 2 Construction Cost Estimate assumes the 50% of sewers are in Non-Traffic areas.

APPENDIX B

**DOCUMENTATION RELATED TO
ADOPTION OF ACT 537 PLAN REVISION**

RESOLUTION NO. _____
RESOLUTION OF ADOPTION FOR ACT 537 PLAN REVISION

WHEREAS, Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the “*Pennsylvania Sewage Facilities Act*,” as amended, and the Rules and Regulations of the PA Department of Environmental Protection (PADEP) adopted thereunder, Chapter 71 of Title 25 of the *Pennsylvania Code*, requires the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes, and to revise said plan whenever it is necessary to meet the sewage disposal needs of the municipality, and

WHEREAS, Franconia Township has prepared and re-evaluated its prior Act 537 revision, which provides for sewage facilities in Franconia Township, and

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

NOW, THEREFORE, BE IT RESOLVED that the Supervisors of Franconia Township hereby adopt and submit to the PA Department of Environmental Protection for its approval as a revision to its already approved “Official Plan” of the municipality, the above referenced facility plan. The Township hereby assures the PADEP of the complete and timely implementation of the said plan as required by Section 5 of the *Pennsylvania Sewage Facilities Act*, as amended.

The selected plan proposes the sanitary sewer infilling and extensions in the following areas with pressure sewers:

- ⇒ High Street and Homestead Avenue area serving 45 properties with 4,870 feet of sewer,
- ⇒ Indian Creek and Schoolhouse Roads, with branch sewers on (a) Keller Creamery Road and (b) Clemens Road, serving 79 properties with 10,140 feet of sewer,
- ⇒ Delp Road extension of 350 feet serving 4 properties,
- ⇒ Meadow Wood Lane serving 12 properties with 1,750 feet of sewer,
- ⇒ Lower and Schoolhouse Roads extension of 1,970 feet would serve 10 properties, and
- ⇒ Schoolhouse Road extension to Nice Road would serve 3 properties with

User costs are estimated at \$18,600 per EDU for the sewer infrastructure.

I, Jon Hammer, Township Manager for the Franconia Township Board of Supervisors hereby certify that the foregoing is a true copy of Franconia Township Resolution No. _____ adopted on _____, 2024.

AUTHORIZED SIGNATURE

(Municipal Seal)

(Name, Title)

PUBLIC NOTICE

As required by the Pennsylvania Sewage Facilities Act (Act 537), Franconia Township hereby gives notice that it intends to revise its Official Sewage Facilities Plans as follows:

After consideration of alternatives, the selected plan for the Franconia Township recommends the sanitary sewer infilling and extensions in the following areas with pressure sewers:

- ⇒ High Street and Homestead Avenue area serving 45 properties with 4,870 feet of sewer,
- ⇒ Indian Creek and Schoolhouse Roads, with branch sewers on (a) Keller Creamery Road and (b) Clemens Road, serving 79 properties with 10,140 feet of sewer,
- ⇒ Delp Road extension of 350 feet serving 4 properties,
- ⇒ Meadow Wood Lane serving 12 properties with 1,750 feet of sewer,
- ⇒ Lower and Schoolhouse Roads extension of 1,970 feet would serve 10 properties, and
- ⇒ Schoolhouse Road extension to Nice Road would serve 3 properties with

User costs are estimated at \$18,600 per EDU for the sewer infrastructure.

A thirty-(30) day public comment period has been established. Copies of the revised plan are available for public inspection at the municipal building:

Franconia Township Building
671 Allentown Road
Franconia, PA 19460

Any comments regarding the proposed plan revision shall be in writing and must be addressed to Mr. Jon Hammer, Franconia Township Manager, at the preceding address. The Township will forward all written comments to the PA Department of Environment Protection along with the plan revision.

After the thirty-(30) day public comment period, Franconia Township intends to forward the plan to the PA Department of Environmental Protection for approval.

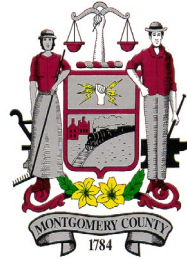
APPENDIX C

MONTGOMERY COUNTY AGENCY REVIEWS

**MONTGOMERY COUNTY
BOARD OF COMMISSIONERS**

JAMILA H. WINDER, CHAIR
NEIL K. MAKHIJA, VICE CHAIR
THOMAS DIBELLO, COMMISSIONER

WWW.MONTGOMERYCOUNTYPA.GOV



**MONTGOMERY COUNTY
PLANNING COMMISSION**

MONTGOMERY COUNTY COURTHOUSE • PO Box 311
NORRISTOWN, PA 19404-0311
610-278-3722 • FAX: 610-278-3941
WWW.MONTGOMERYCOUNTYPA.GOV
SCOTT FRANCE, AICP
EXECUTIVE DIRECTOR

**SEWAGE FACILITIES PLANNING MODULE
COMPONENT 4b - COUNTY PLANNING AGENCY REVIEW**

June 26, 2024

Jon Hammer, Manager
Franconia Township
671 Allentown Road
Telford, PA 18969

MCPC 537 Number: 24-2377
Franconia Township - Special Study for Infill
Franconia Township
Date revision received by MCPC: 5/28/24

Dear Mr. Hammer:

We have reviewed this application for a revision to the municipality's Sewage Facilities Plan in accordance with regulations issued under Act 537, "The Pennsylvania Sewage Facilities Act," as requested. We are forwarding this letter as a report of our review and recommendations.

BACKGROUND

The purpose of the Franconia Township - Special Study for Infill is to evaluate the feasibility of sewer system infilling and/or extensions for multiple pockets of residential homes that are adjacent to existing public sewers that would benefit from new service. The first phase of the project would extend public sewers to serve 153 properties in six different areas of the township. The proposed sewers would serve existing buildings, and would not cross past currently undeveloped properties or serve future developments. Sewage from the proposed sewer system extensions would be treated at either the Telford, Souderton or Franconia wastewater treatment plants.

COMMENTS/ISSUES

1. The Township sewer facilities map should be revised to reflect the chosen alternatives.

RECOMMENDATION

Once these issues have been addressed to the satisfaction of the municipality and DEP, we have no objection to this 537 Planning Module. Should there be any questions regarding the content of this letter, please contact me at Ryan.Lamberti@montgomerycountypa.gov.

Sincerely,

A handwritten signature in black ink that reads "Ryan Lamberti". The signature is written in a cursive style with a long, sweeping flourish at the end.

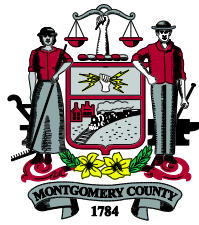
Ryan Lamberti
Environmental Planner II
Montgomery County Planning Commission
Ryan.Lamberti@montgomerycountypa.gov | www.montgomerycountypa.gov/planning
P: 610.278.3729 F: 610.278.3941
PO Box 311, Norristown, PA 19404-0311
425 Swede St., Suite 201, Norristown, PA 19401

c: Elizabeth Mahoney, DEP Southeast Regional Office
Alfred S. Ciottoni, P.E., S C Engineers, Inc.

**MONTGOMERY COUNTY
BOARD OF COMMISSIONERS**

JAMILA H. WINDER, CHAIR
NEIL K. MAKHIJA, VICE CHAIR
THOMAS DIBELLO, COMMISSIONER

WWW.MONTGOMERYCOUNTYPA.GOV



**MONTGOMERY COUNTY DEPARTMENT
OF HEALTH & HUMAN SERVICES**

MONTGOMERY COUNTY • PO Box 311
NORRISTOWN, PA 19404-0311

MONTCOHHS@MONTGOMERYCOUNTYPA.GOV

TAMRA WILLIAMS, PHD
DIRECTOR

June 5, 2024

S C Engineers, Inc.
P.O. Box 407
Fort Washington, PA 19034

Re: Act 537 Special Study
Franconia Township, Montgomery County, PA

Dear Mr. Ciottoni:

The Montgomery County Department of Health & Human Services, Office of Public Health (OPH) has reviewed the Act 537 Special Study for Franconia Township. The study was prepared by S C Engineers, Inc. and a complete copy was received by OPH on May 28th, 2024.

OPH has no objections to the proposed Act 537 Special Study.

If you have any further questions, please contact me at (610)970-5040 ext. 4215.

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer M.", written over a white background.

Jennifer Mercurio
Environmental Health Specialist/SEO
Division of Water Quality Management
Jennifer.mercurio@montgomerycountypa.gov

Enclosures

XC: Department of Environmental Protection
Franconia Township

OFFICE OF PUBLIC HEALTH
PUBLICHEALTH@MONTGOMERYCOUNTYPA.GOV

364 EAST KING STREET • POTTSTOWN, PA 19464
PHONE: 610-970-5040
FAX: 610-970-5048

1430 DEKALB STREET • NORRISTOWN, PA 19404-0311
PHONE: 610-278-5117
FAX: 610-278-5167

102 NORTH YORK ROAD • WILLOW GROVE, PA 19090
PHONE: 215-784-5415
FAX: 215-784-5524

APPENDIX D

CONSISTENCY DOCUMENTATION

Sanitary Sewer System Infilling (PNDI-816028)

[View \(/project/sanitary-sewer-system-infilling-1142005\)](/project/sanitary-sewer-system-infilling-1142005)



[Edit Details \(/node/1142005/edit\)](/node/1142005/edit)

[Edit/View Shape \(/node/1142005/map\)](/node/1142005/map)

[Update Receipt \(/node/1142005/run-review\)](/node/1142005/run-review)

This project has been finalized and submitted for review.

Project Review Results

Revision date	Receipt Status	Payment Status	Receipt File	Boundary
2024-06-04 02:27 PM	Generated	Payment Not Required	 project_receipt_sanitary_sewer_system_inf_816028_FINAL_1.pdf (https://conservationexplorer.dcnr.pa.gov/system/files/project_receipt_sanitary_sewer_system_inf_816028_FINAL_1.pdf)	Shapefile (https://c)
2024-06-04 02:13 PM	Generated	Payment Complete	 project_receipt_sanitary_sewer_system_inf_816028_DRAFT_1.pdf (https://conservationexplorer.dcnr.pa.gov/system/files/project_receipt_sanitary_sewer_system_inf_816028_DRAFT_1.pdf)	Shapefile (https://c)

Agency Status

Agency	User Status
DEP	Saved

Submitted by fredciottoni on Tue, 06/04/2024 - 14:08

Project Type:

- Development
 - Other

Project ID: PNDI-816028

Project Size: Standard

Project Edit Status: Final

Document Upload Opt-Out: Not Selected

No Documents Required: Selected

Avoidance Measure Non-Compliance: Not Selected

Project Description: Project involves the installation of small diameter (2-3") low pressure sanitary sewers by means of horizontal directional drilling in existing road rights-of-way.

Contact Name: Alfred Ciottoni

Organization: SC Engineers

Email: asc.scengineers@gmail.com

Phone number: (215) 896-9377

Address: PO Box 407

City: Fort Washington

State/Province: Pennsylvania

ZIP Code: 19034



APPENDIX E

COMMENTS AND RESPONSES

**Franconia Township published the
Act 537 Special Study for public review,
but received no comments**

1. PROJECT INFORMATION

Project Name: **Sanitary Sewer System Infilling**

Date of Review: **6/4/2024 02:30:21 PM**

Project Category: **Development, Other**

Project Area: **83.36 acres**

County(s): **Montgomery**

Township/Municipality(s): **FRANCONIA TOWNSHIP**

ZIP Code:

Quadrangle Name(s): **PERKIOMENVILLE; TELFORD**

Watersheds HUC 8: **Schuylkill**

Watersheds HUC 12: **East Branch Perkiomen Creek; Skippack Creek**

Decimal Degrees: **40.296017, -75.376966**

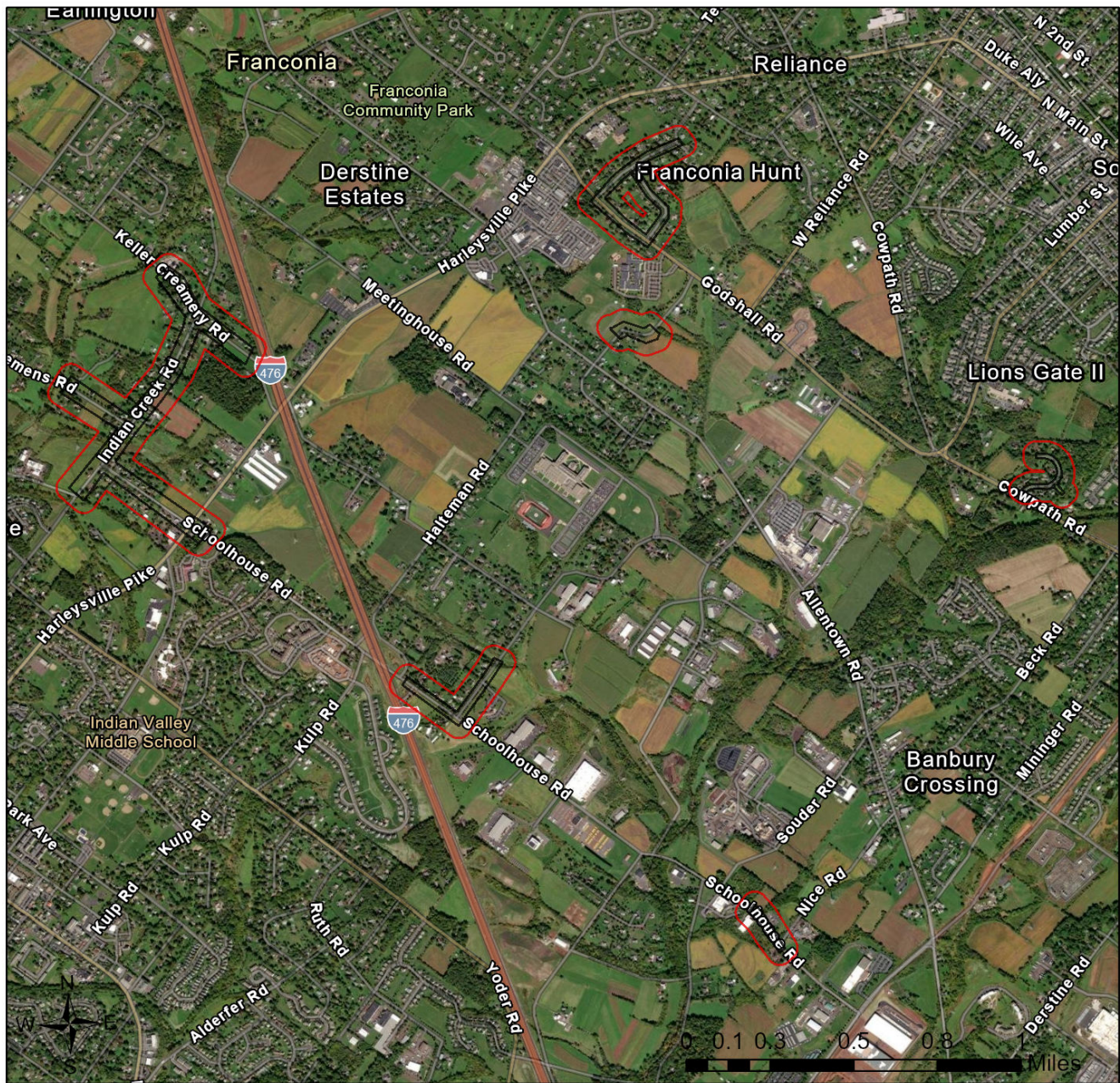
Degrees Minutes Seconds: **40° 17' 45.6617" N, 75° 22' 37.787" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Sanitary Sewer System Infilling

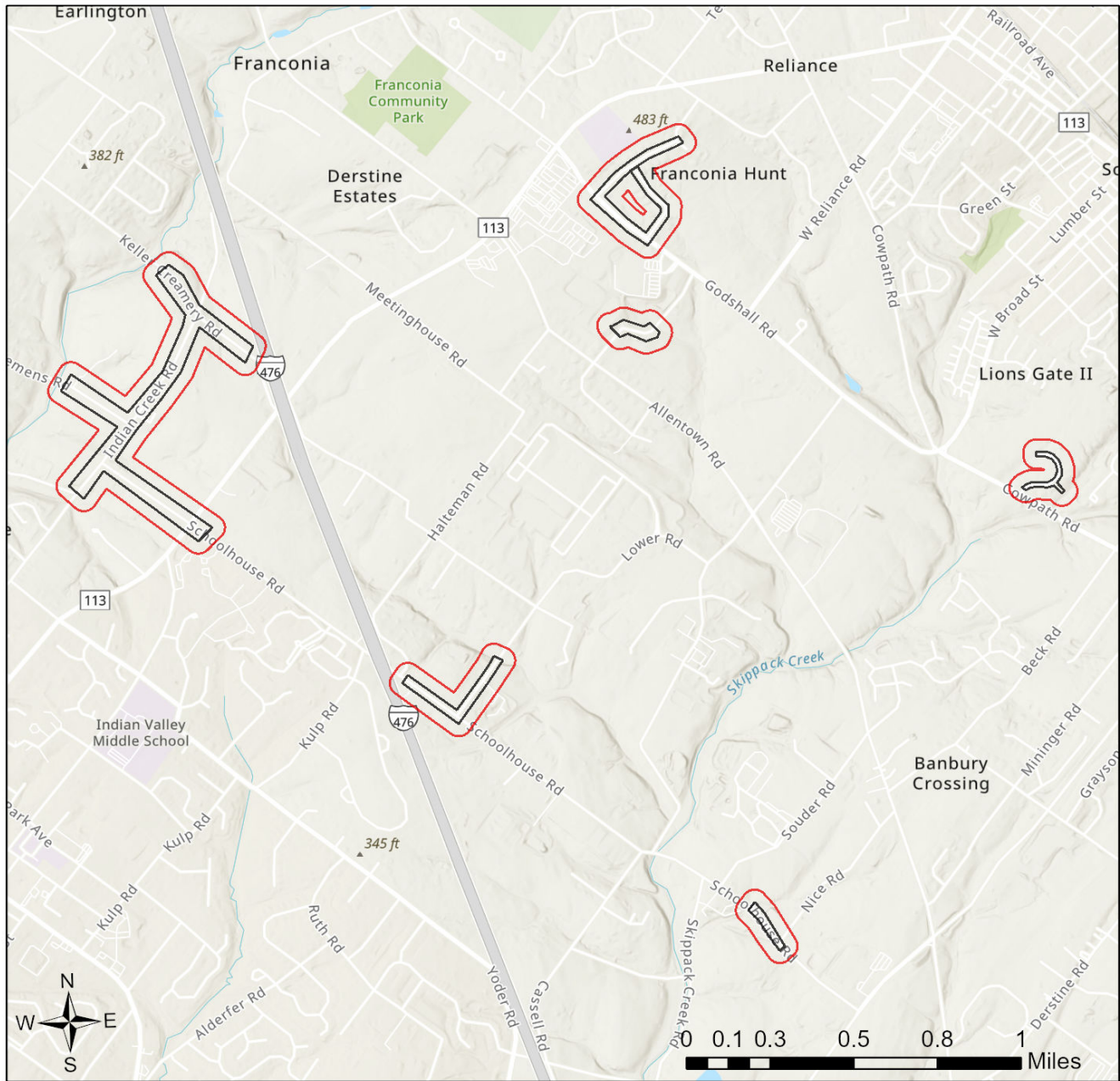


-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

Sanitary Sewer System Infilling



- Buffered Project Boundary
- Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

RESPONSE TO QUESTION(S) ASKED

Q1: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: The entire project and associated discharge, plus a 300-foot buffer around the project area, all occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, railroad bed, maintained lawn, or crop agriculture field.

Q2: The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).

Your answer is: No forests, woodlots or trees will be affected by the project.

Q3: Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?

Your answer is: No

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

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



5. ADDITIONAL INFORMATION

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

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

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

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

PA Fish and Boat Commission

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

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

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

7. PROJECT CONTACT INFORMATION

Name: _____
Company/Business Name: _____
Address: _____
City, State, Zip: _____
Phone:(_____) _____ Fax:(_____) _____
Email: _____

8. CERTIFICATION

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

applicant/project proponent signature

date

PHILADELPHIA GROUP

AFFIDAVIT OF PUBLICATION
390 Eagleview Boulevard • Exton, PA 19341

FRANCONIA TWP LEGALS
671 ALLENTOWN ROAD
TELFORD, PA 18969-2205
Attention: BETH GOOCH

STATE OF PENNSYLVANIA,

The undersigned Richard L. Crowe, being duly sworn the he/she is the principal clerk of The Reporter, The Reporter Digital, published in Montgomery County for the dissemination of local or transmitted news and intelligence of a general character, which are duly qualified newspapers, and the annexed hereto is a copy of certain order, notice, publication or advertisement of:

PUBLIC NOTICE

As required by the Pennsylvania Sewage Facilities Act (Act 537), Franconia Township hereby gives notice that it intends to revise its Official Sewage Facilities Plans as follows:

After consideration of alternatives, the selected plan for the Franconia Township recommends the sanitary sewer infilling and extensions with pressure sewers to various concentrated areas of existing residential dwellings that are adjacent to existing sewers, with the first phase including the following and the second phase including other similar areas.

- High Street and Homestead Avenue area serving 45 properties with 4,870 feet of sewer,
 - Indian Creek and Schoolhouse Roads, with branch sewers on (a) Keller Creamery Road and (b) Clemens Road, serving 79 properties with 10,140 feet of sewer,
 - Delp Road extension of 350 feet serving 4 properties,
 - Meadow Wood Lane serving 12 properties with 1,750 feet of sewer,
 - Lower and Schoolhouse Roads extension of 1,970 feet would serve 10 properties, and
 - Schoolhouse Road extension to Nice Road would serve 3 properties with
- User costs are estimated at \$18,600 per EDU for the sewer infrastructure.

A thirty-(30) day public comment period has been established. Copies of the revised plan are available for public inspection at the municipal building:

Franconia Township Building
671 Allentown Road
Franconia, PA 19460

Any comments regarding the proposed plan revision shall be in writing and must be addressed to Mr. Jon Hammer, Franconia Township Manager, at the preceding address. The Township will forward all written comments to the PA Department of Environmental Protection along with the plan revision.

After the thirty-(30) day public comment period, Franconia Township intends to forward the plan to the PA Department of Environmental Protection for approval.

LAN: July 13. a-1

FRANCONIA TWP LEGALS

Published in the following edition(s):

The Reporter, The Reporter Digital
07/13/24

Commonwealth of Pennsylvania - Notary Seal
MAUREEN SCHMID, Notary Public
Montgomery County
My Commission Expires March 31, 2025
Commission Number 1248132

Sworn to the subscribed before me this 7/22/24.

Maureen Schmid
Notary Public, State of Pennsylvania
Acting in County of Montgomery

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