



2026 ACT 537 PLAN SPECIAL STUDY DOVER TOWNSHIP AND DOVER TOWNSHIP SEWER AUTHORITY

September 29, 2026

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DOVER TOWNSHIP 2026 Act 537 Plan

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Executive Summary

This Act 537 Plan Special Study has been prepared to address planning for two current interceptor replacement design projects and to provide planning for several upcoming interceptor replacement projects.

Each of the municipalities evaluated their sanitary sewer collection and conveyance systems that are tributary to the Dover Township Wastewater Treatment Plant (WWTP) in Conewago Township. The treatment plant discharges into Little Conewago Creek. The connected municipalities were asked to provide planning assessments for 5-year, 10-year, and 25-year growth periods. The response letters can be found in Appendix 1.

The expected 25-year growth is still within each municipality's current flow allocation at the WWTP. An expansion of treatment facilities is not expected in the next 25 years. However, improvements to the conveyance system are expected. Even during current wet weather flows there are many interceptors which are above 90% capacity and should be improved.

In addition to the recommended improvements to the Joint and Fox Run Interceptors, infrastructure will need to be extended to service expected growth in the northern part of Dover Township Sanitary Sewer Service Area. This growth is dependent on developers, while their timing to develop these parcels is greater than 10 years it is prudent to include these potential extensions in this plan effort.

The Implementation Schedule to complete these improvements is over the next 25 years. The implementation of the improvements to the Pineview, Joint and Fox Run Interceptor is planned for the next ten years. The timing on the implementation of extensions is again dependent on developers and is approximate.

Project Description	Expected Implementation Date	Construction Costs (in 2026 Dollars)
Pineview Interceptor	Design: 2025 Construction: 2027	\$1,128,000
Joint Interceptor Phase 2 Bull Road to Route 74 (J01026 to J01065)	Design: 2025 Construction: 2027 to 2028	\$13,501,000
Joint Interceptor Phase 3 Route 74 to the West (J01065 to J01106)	Design: 2028 Construction: 2029 to 2030	\$9,707,000
Fox Run Interceptor Phase 1 WWTP to Angus Lane (J01003 to F01009)	Design: 2027 Construction: 2027 to 2028	\$1,889,000
Fox Run Interceptor Phase 2 Angus Lane to Palomino Int. (J01009 to F01035)	Design: 2027 to 2028 Construction: 2030 to 2031	\$8,946,000
Fox Run Interceptor Phase 3 Palomino Int. to Brookside Park (J01035 to F01050)	Design: 2029 Construction: 2031 to 2032	\$2,719,000
Fox Run Interceptor Phase 4 Brookside Park to Eagle View Park (J01050 to F01064)	Design: 2033 Construction: 2034 to 2035	\$2,735,000
Bull Road Extension	Design: 2029 Construction: 2029 to 2030	\$2,952,500
Fox Run Extension	Design: 2040 Construction: 2042 to 2045	\$2,095,500
Carlisle Road Extension	Design: 2045 Construction: 2046 to 2050	\$732,200

Section 1 – Existing Conditions

The Regional Conveyance System

The Dover Township Wastewater Treatment Plant (WWTP) treats sanitary sewer flow from residential, commercial, instructional and a few small industrial users in Dover Township, and parts of Conewago, Manchester, and West Manchester Townships. Exhibit 1 shows a map of the collection system and the meter locations.

Dover Township flows are collected and conveyed to the WWTP via the Palomino, Fox Run and Joint Interceptors. There are a total of 9,050 EDUs in Dover Township's collection system that is tributary to the Dover Township WWTP.

Conewago Township contributes a small portion of their Township's sanitary sewer flows to the Dover Township WWTP via an Interceptor which flows directly into the Joint Interceptor immediately upstream of WWTP's influent pump station. Additionally, an unmetered trailer park near the WWTP discharges into the headworks. The Conewago Township system is primarily residential with only a few commercial connections. There are a total of 488 EDUs in the Township's collection and conveyance system that is tributary to the Dover Township system.

Manchester Township flows are collected and conveyed to the WWTP via the Joint Interceptor. There are a total of 1,649 EDUs in the Township's collection and conveyance system that is tributary to the Dover Township system.

West Manchester Township flows are collected and conveyed to the WWTP via the Joint Interceptor. There are three main connection points and each of these is metered. There are some unmetered connections along the southwestern portion of the Joint Interceptor. There are a total of 4,288 EDUs in the Township's collection and conveyance system that is tributary to the Dover Township system.

Each of these municipalities have an existing allocation at the Dover Township WWTP and in the Joint Interceptor. Table 1-1 identifies each Township's allocation at the WWTP and the 2025 annual flow rates.

**Table 1-1 Current Allocations and
Average Daily Flows**

Municipality	Allocation (gpd)	2025 Average Flow (mgd)
Dover	4,718,700	2,055,000
Conewago	203,700	153,000
Manchester	732,000	494,800
West Manchester	2,345,600	1,348,000
Total	8,000,000	4,050,800

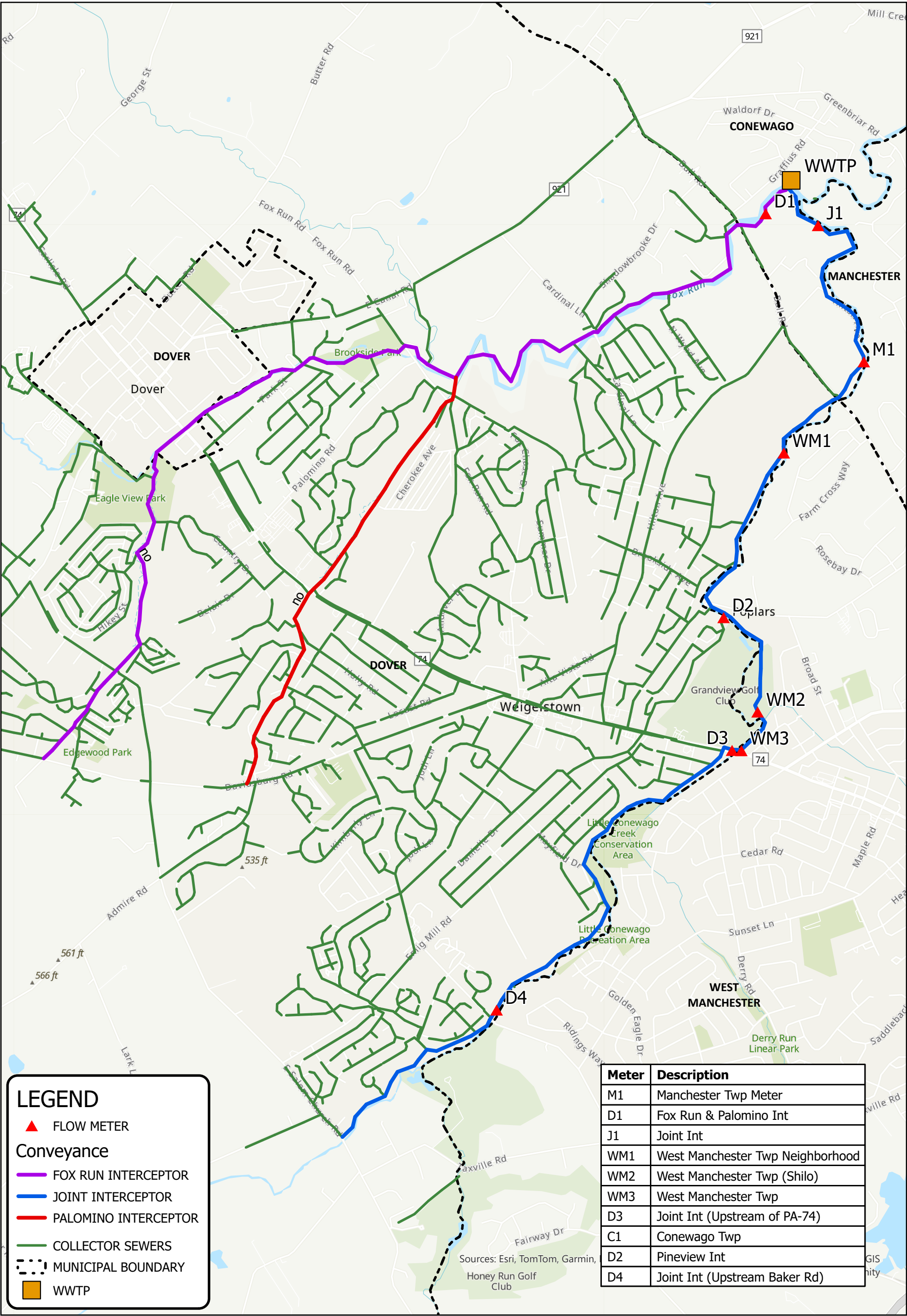


EXHIBIT 1: DOVER TOWNSHIP SANITARY SEWER COLLECTION SYSTEM

Existing Collection and Conveyance Systems Assessments

To better evaluate Dover Township's conveyance facilities a hydraulic model was developed. The model was created using the Township's sanitary sewer infrastructure GIS data, York County GIS parcel data, and flows from an EDU count for the Township and connected municipalities.

The flows were calibrated using existing flow meter data, which was also used to develop both dry-weather diurnal flow curves and wet-weather flow curves. Flow development and model calibration were completed for average daily flows, dry-weather flows and peak wet-weather flows.

The dry day model was calibrated to a base flow of about 2.7 MGD, which corresponds to the average daily flow over a relatively dry three-month period (August, September, and October 2025). The diurnal curve was developed using meter readings on September 1, 2025, as a representative dry-weather day.

The wet-weather model was calibrated to the flow meter results from a storm on July 9th, 2025. Nine gauges throughout the collection basin recorded an average of 3.5" of precipitation over a 4-hour period. This equates to a storm with a 25-year return period event. During that storm, the plant flows were 10.6 MGD on the 9th and 12.6 MGD on the 10th.

Existing Collection and Conveyance Systems Conditions

The existing Interceptors can convey the current average daily dry-weather flows without issues. A conveyance pipe is considered to have sufficient capacity if the average daily dry-weather flow is less than 50% of the pipe's capacity.

During the wet-weather flow conditions several segments of the Fox Run Interceptor, Joint Interceptor and Pineview Interceptor exceed 90% of their pipe capacity. A pipe with more than 90% capacity during peak or wet-weather flows is capacity impaired. Therefore, these Interceptors have been identified as needing improvements. Exhibit 2 shows percent capacity in each pipe during the peak flow of the wet-weather event.

Two projects have already been identified and designs for Interceptor improvements have been completed. Several project areas on the Fox Run and Joint Interceptors have been identified as future upgrades. The Alternatives Analysis section of the report details the proposed improvements.

The Palomino Interceptor has had past improvements and does not appear to be capacity deficient during average or peak flow conditions.

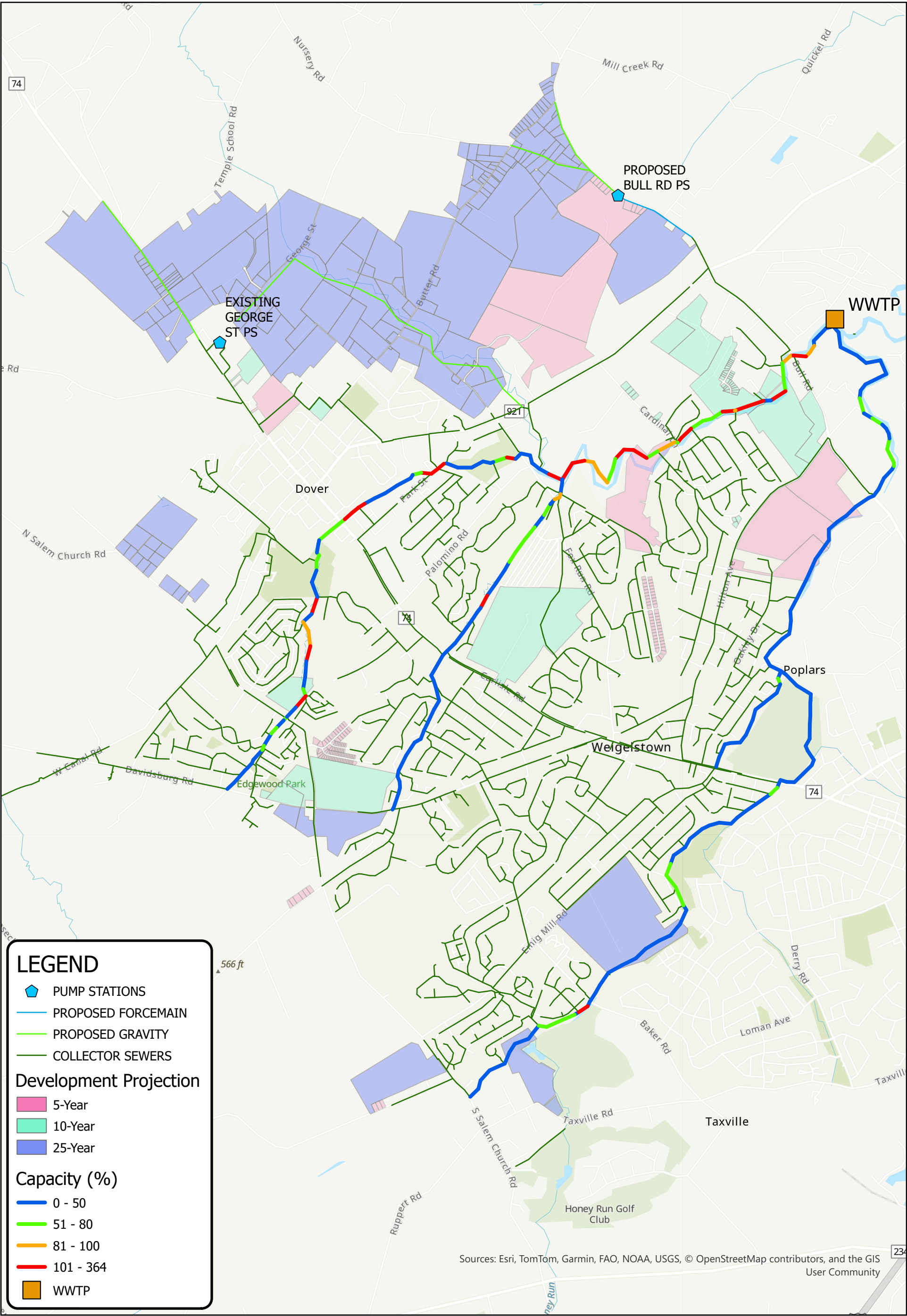


EXHIBIT 2: DOVER TOWNSHIP
EXISTING CONDITION WITH 25-YEAR
RAINFALL EVENT



0 0.45 0.9 1.8 Miles



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Section 2 – Growth and Projected Flows

All the municipalities that are tributary to the Dover Township WWTP were asked to prepare a proposed growth analysis for a 25-year period to determine if additional allocations are needed at the WWTP. Additional allocations would require improvement to both the conveyance treatment facilities. The following discusses the growth analyses for each municipality. Since there are conveyance sewers within the Dover Township system that require improvements, this section includes a more detailed assessment of Dover Township's expected growth and projected flows.

CONNECTED MUNICIPALITIES

Conewago Township

At the end of 2025, Conewago Township reported a total of 488 EDUs contributing about 0.153 mgd to the Dover Wastewater Treatment Plant. Conewago Township estimates that by 2050, there will be an additional 162 EDUs served by the Dover Township WWTP. Only a small portion of the Conewago Township's public sanitary sewer facilities are tributary to the Dover Township WWTP. The remaining sanitary sewer facilities are tributary to the Conewago Township Sewer Authority's Wastewater Treatment Plant.

Table 2-1 presents Conewago Township's projected EDU and average daily flow rates which are tributary to the Dover treatment plant.

Table 2-1. Conewago Township EDU/Flow Growth Estimates

Year	Conewago Twp EDU's	Average Daily Flow (mgd)
2025	488	0.153
2030	591	0.177
2035	600	0.180
2050	650	0.195

Conewago Township does not expect to exceed their currently allocated flow at the Dover Township WWTP of 203,700 gpd over the next 25 years.

Manchester Township

At the end of 2025, Manchester Township reported a total of 1,649 EDUs contributing about 0.495 mgd to the Dover Wastewater Treatment Plant. Manchester Township estimates that by 2050, there will be an additional 403 EDUs served by the Dover Township WWTP. Approximately a third of the Manchester Township's public sanitary sewer facilities are tributary to the Dover Township WWTP. The remaining sanitary sewer facilities are tributary to either the Pennsylvania American's York WWTP or the Springettsbury WWTP.

Table 2-2 presents Manchester Township’s projected EDU and average daily flow rates which are tributary to the Dover treatment plant.

Table 2-2. Manchester Township EDU/Flow Growth Estimates

Year	Manchester Twp EDU’s	Average Daily Flow (mgd)
2025	1,649	0.495
2030	1,699	0.501
2035	1,789	0.537
2050	1,992	0.598

Manchester Township does not expect to exceed their currently allocated flow at the Dover Township WWTP of 732,000 gpd over the next 25 years.

West Manchester Township

At the end of 2025, West Manchester Township reported a total of 4,228 EDUs contributing about 2.080 mgd to the Dover Wastewater Treatment Plant. West Manchester Township estimates that by 2050, there will be an additional 754 EDUs served by the Dover Township WWTP. A portion of the West Manchester Township’s public sanitary sewer facilities are tributary to the Dover Township WWTP. The remaining sanitary sewer facilities are tributary to Pennsylvania American’s York WWTP.

Table 2-3 presents West Manchester Township’s projected EDU and average daily flow rates which are tributary to the Dover treatment plant.

Table 2-3. West Manchester Township EDU/Flow Growth Estimates

Year	West Manchester Twp EDU’s	Average Daily Flow (mgd)
2025	4,228	2.080
2030	4,302	2.102
2035	4,311	2.105
2050	4,982	2.306

West Manchester Township does not expect to exceed their currently allocated flow at the Dover Township WWTP of 2,345,600 gpd over the next 25 years.

Dover Township

The short-term growth within Dover Township's collection and conveyance system is predominantly the development of various parcels within the existing collection system. Currently, there are 9,050 EDU with an average flow of 2.055 mgd. Between the 10-year and 25-year growth periods the northern section of the Township is expected to grow. Refer to Exhibit 3, which shows the growth parcels within the Township categorized by growth period.

Table 2-4 presents Dover Township's projected EDU and average daily flow rates.

Table 2-4. Dover Township EDU/Flow Growth Estimates

Year	Dover Twp EDU's	Average Daily Flow (mgd)
2025	9,050	2.055
2030	9,780	2.274
2035	10,770	2.571
2050	16,180	4.194

Dover Township does not expect to exceed their currently allocated flow at the Dover Township WWTP of 4,718,700 gpd over the next 25 years.

Table 2-5 provides the future growth summary for Dover Township and the connected municipalities. The table also compares the future flows to the current allocation and design flow of the WWTP which is 8.000 mgd.

Table 2-5 Total Future Flows

Township	Allocation (Gpd)	2025 ADF (gpd)	2030 ADF (gpd)	2035 ADF (gpd)	2050 ADF (gpd)
Dover	4,718,700	2,055,000	2,274,000	2,571,000	4,194,000
Conewago	203,700	153,000	177,000	180,000	195,000
Manchester	732,000	494,800	501,000	537,000	598,000
West Manchester	2,345,600	1,348,000	2,102,000	2,105,000	2,306,000
Total	8,000,000	4,050,800	5,054,000	5,393,000	7,293,000

Based on the projected flows, it does not appear as though additional capacity will be required at the WWTP. However, additional conveyance capacity will be needed to convey the future flows to the WWTP.

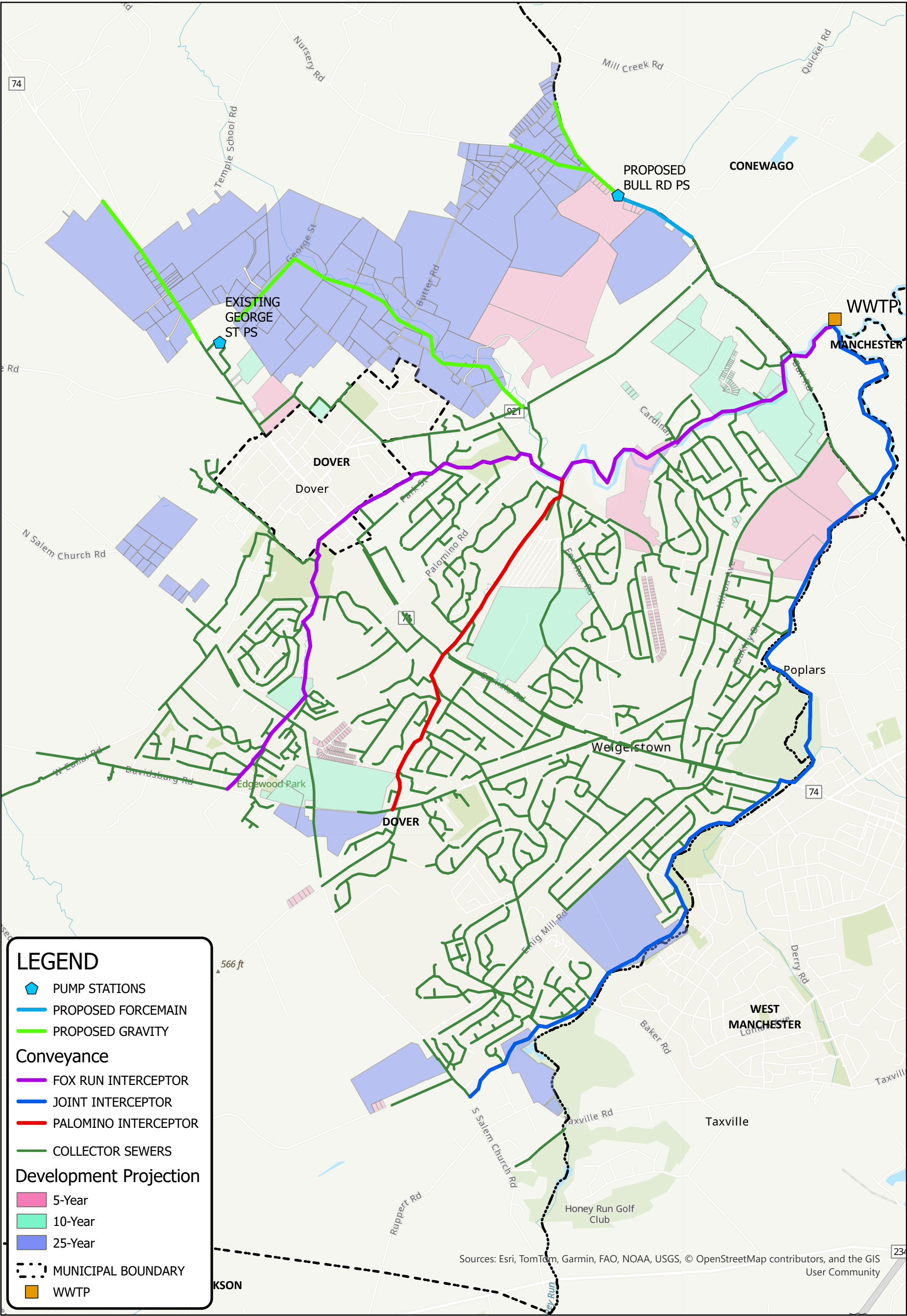


EXHIBIT 3: DOVER TOWNSHIP
PROJECTED DEVELOPMENT

Future Collection and Conveyance Systems Assessments

To assess the future growth conditions in terms of improvements needed to the conveyance system, the existing conditions hydraulic model was further developed to include the 5-year, 10-year, and 25-year wet and dry weather flow projections. The upgrades from the proposed Phase 2 Joint Interceptor replacement and the Pineview Improvement projects are included in all future scenarios since they are designed and will be constructed before the 5-year development occurs.

The past 15 years flow metering has indicated that there is a significant amount of I/I entering the conveyance system along the Joint Interceptor in the area of the Phase 2 upgrades. Therefore, the wet weather flow pattern for the Joint Interceptor has been modified assuming that the Phase 2 upgrades will reduce a portion of these I/I issues in the Joint Interceptor.

The existing interceptors are capable of conveying the average day, dry weather flows in the 5-year, 10-year, and 25-year projection scenarios without issues. Problems start to arise in the wet weather scenarios, primarily on the Fox Run Interceptor because most of the Dover Township growth is expected to flow to various connection points on the Fox Run Interceptor. Exhibits 4 through 6 have been developed to show the areas where there are concerns with the available capacity in the interceptor pipes.

The percent capacity on the model exhibits indicates the maximum flow to pipe capacity, therefore a pipe with 80% capacity on the map is 80% full. As a reminder we are considering a pipe with more than 90% capacity during peak or wet weather flows as being capacity impaired.

5-Year Growth Impacts: The model includes the improvements to the Joint Interceptor Phase 2 and Pineview Interceptors. These projects will have been installed before the 5-year growth conditions will impact the service area.

- There are minor impacts due to growth on the Joint Interceptor upstream of the Phase 2 project area.
- The Palomino Interceptor has one segment with low slope that has flow that exceeds 90% of the pipe's capacity. This is unchanged from the existing conditions and is not considered for improvements at this time.
- The Fox Run interceptor continues to show capacity deficiencies from the intersection of the Palomino Interceptor and the plant. There are several Fox run segments upstream of the Palomino Interceptor.

10-Year Growth Impacts: No changes were made the to model to account for future projects. With the 10-year growth added to the hydraulic model additional pipe segments have greater pipe flows and many step up into the next capacity category.

- There are minor impacts due to growth on the Joint Interceptor upstream of the Phase 2 project area.
- The Palomino Interceptor has one segment with low slope that has flow that exceeds 90% of the pipe's capacity. This is unchanged from the existing conditions and is not considered for improvements at this time. Additional pipe segments on the Palomino Interceptor at the confluence of the Fox Run Interceptor are shown as impacted. However, this issue appears to be impacts from the Fox Run Interceptor.

- The Fox Run Interceptor continues to show capacity deficiencies from the intersection of the Palomino Interceptor and the plant. There are larger portion of the Fox run segments upstream of the Palomino Interceptor that become capacity impaired.

25-Year Growth Impacts: The 25-year growth impacts more of the upstream portion of the Joint Interceptor, the Fox Run Interceptor and will require new conveyance facilities to address growth in the northern portion of the service area. The new facility required will be further identified in the alternative analysis section of the planning document.

- There are additional impacts due to growth and the development of several large parcels along the Joint Interceptor upstream of the Phase 2 project area.
- The Palomino Interceptor has one segment with low slope that has flow that exceeds 90% of the pipe's capacity. This is unchanged from the existing conditions and is not considered for improvements at this time. Additional pipe segments on the Palomino Interceptor at the confluence of the Fox Run Interceptor are shown as impacted. However, this issue appears to be impacts from the Fox Run Interceptor. This is unchanged from the 10-year growth assessment.
- The Fox Run Interceptor continues to show capacity deficiencies from the intersection of the Palomino Interceptor and the Dover Township WWTP. Several of the sections of pipe will surcharge if improvements are not made on this section of interceptor. The upstream portions of the Fox Run Interceptor are also more impacted by the 25-year growth.

The Alternative Analysis section of this report will further develop the expected improvements for the Fox Run Interceptor, Joint Interceptor and sewerage facilities to address growth in the northern portion of the Dover Township Service Area.

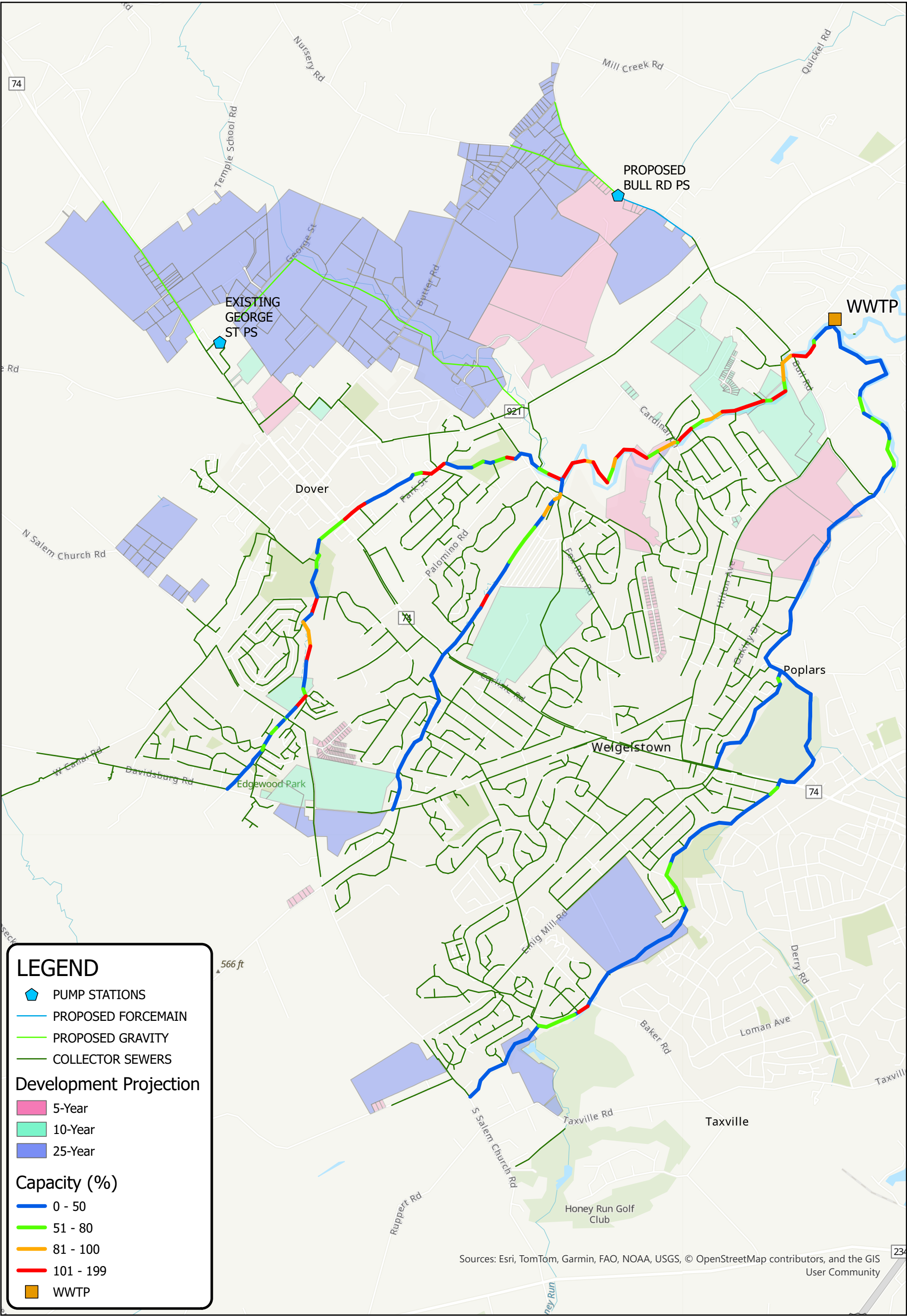


EXHIBIT 4: DOVER TOWNSHIP
5-YR GROWTH, 25-YEAR RAINFALL EVENT



0 0.45 0.9 1.8 Miles



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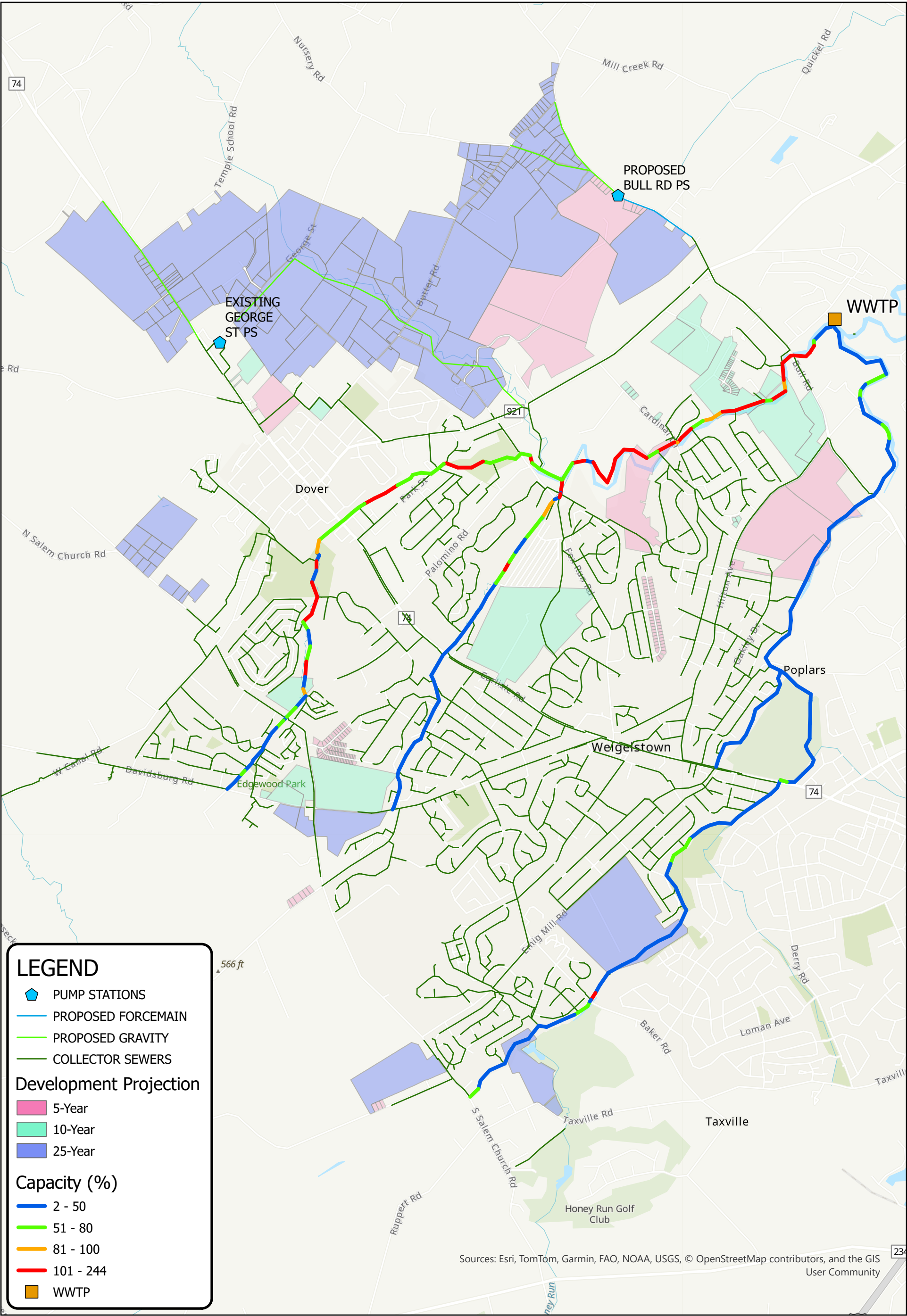


EXHIBIT 5: DOVER TOWNSHIP
10-YR GROWTH, 25-YEAR RAINFALL EVENT

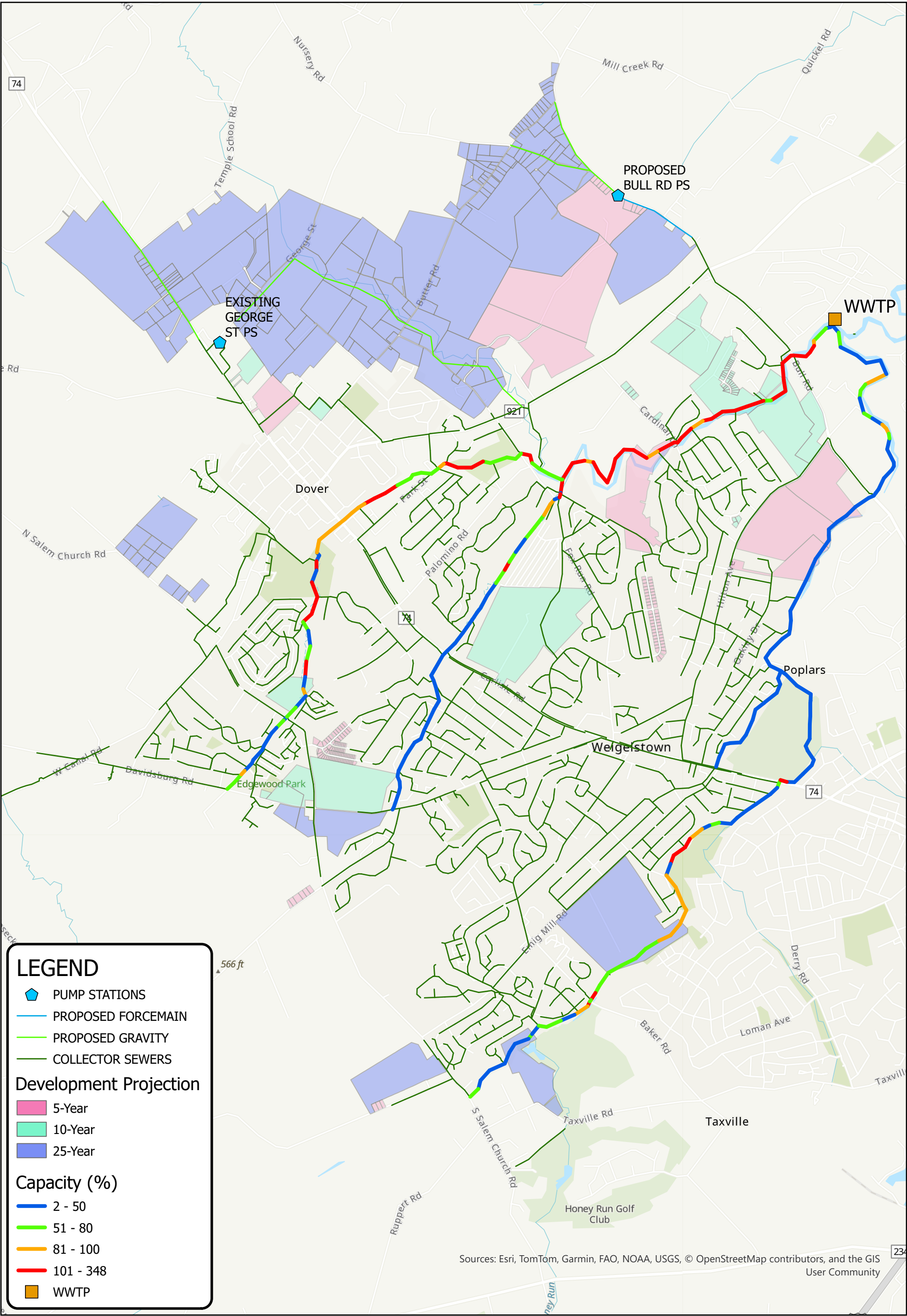


EXHIBIT 6: DOVER TOWNSHIP
25-YR GROWTH, 25-YEAR RAINFALL EVENT



0 0.45 0.9 1.8 Miles



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Section 3 – Alternatives Analysis

Collection and Conveyance System Proposed Projects

Based on future growth analysis many of the interceptors within Dover Township's conveyance system will need to be improved. Exhibit 7 shows the collection and conveyance system and identifies the conveyance sewers that are to be constructed or improved.

The following will include a breakdown of each of the proposed project areas, identifying the need for new or improved infrastructure, discussing the construction or improvements needed, and reviewing the budgetary costs for each of the projects.

The sections were sized to convey the 25-year storm near capacity lowest capacity pipes and at less than 90% capacity during a simulated storm with a peaking factor of 4.

JOINT INTERCEPTOR PROJECTS

The Joint Interceptor projects include two phases which will improve the Joint Interceptor from the most upstream end at manhole J01106 downstream to J01026 and the replacement of tributary interceptor, the Pineview Interceptor.

- Joint Interceptor Phase 2 is 9,851 feet from J01026 to J01065
- Joint Interceptor Phase 3 is 12,709 feet from J01065 to J01106
- Pineview Interceptor is 3,250 feet from J01046 to J06013

Currently, project designs have been developed for the Joint Interceptor Phase 2 and Pineview Interceptor Replacement projects.

Pineview Interceptor Projects

This is an interceptor that serves the southern Route 74 or Carlisle Road area. This service basin contains 660 EDUs which are a combination of residential, commercial and light industrial.

The Pineview Interceptor spurs off the Joint Interceptor, shown in black on Figure 3-1 and Exhibit 7. The design upgrades existing 12" pipes with 3,250LF of 18" pipe. Currently the interceptor is almost entirely over 50% capacity during the wet weather event. Then mostly under 50% capacity in the 25-year growth scenario after the upgrades. See Exhibit 6.

Construction of this phase is expected to cost \$1,128,000. The design has been completed already.

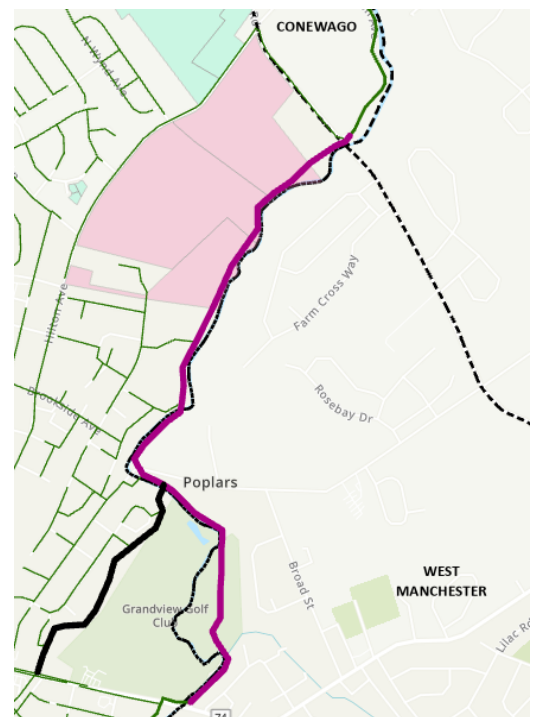


Figure 3-1: Joint Interceptor Phase 2 (burgundy line) and Pineview Interceptor Project (black line) Extents

Joint Interceptor Phase 2 (Bull Rd to PA-74)

Phase 2 of the Joint Interceptor serves 2,860 EDUs, including West Manchester and Manchester Townships, which will grow to 4,560 EDUs in 25 years. This needs to be replaced to address the significant infiltration and inflow problems observed.

The design replaces the existing 42" interceptor with 450 LF of 48" and 9,400 LF of 60" pipe in the current alignment. See burgundy line in Figure 3-1 and Exhibit 7.

The hydraulic modeling results show the downstream half is over capacity with the upstream half at 50%-100% capacity during the modeled storm event. After the Joint Interceptor Phase 2 project is completed, all pipes in this phase are below 50% capacity in the 25-year growth projection as shown in Exhibit 6.

Construction of this phase is expected to cost \$13,501,000. The design has been completed already.

Joint Interceptor Phase 3 (Upstream of PA-74)

Phase 3 of the Joint Interceptor serves 710 EDUs, which will grow to 1,950 EDUs in 25 years. This section may need to be replaced along the existing alignment shown in yellow in Figure 3-2 and Exhibit 7.

Exhibits 4-6 show that the phase 3 portion of the Joint Interceptor is not a major capacity concern. However, if I/I continues to be an issue in the Joint Interceptor after the Phase 2 section is completed, Phase 3 should be prioritized, otherwise the improvements can be delayed to a later date.

Phase 3 improvements include replacing the existing 18-30" pipes with 2,400 LF of 24", 6,900 LF of 30", and 3,400 LF of 36" pipes.

The total cost for these improvements is expected to be \$9,707,000.



Figure 3-2: Joint Interceptor Phase 3 Project Extent

FOX RUN INTERCEPTOR PROJECTS

The plan to upgrade the Fox Run Interceptor is going to occur in 4 phases as shown in Figure 3-3 and Exhibit 7. Phase 1: WWTP to Angus Lane (Orange), Phase 2: Angus Lane to Palomino Interceptor (Blue), Phase 3: Palomino Interceptor to Brookside Park (Teal), and Phase 4: Brookside Park to Eagle View Park (Brown). Exhibits 4-6 show numerous capacity issues during the 25-year event that become more severe with growth.

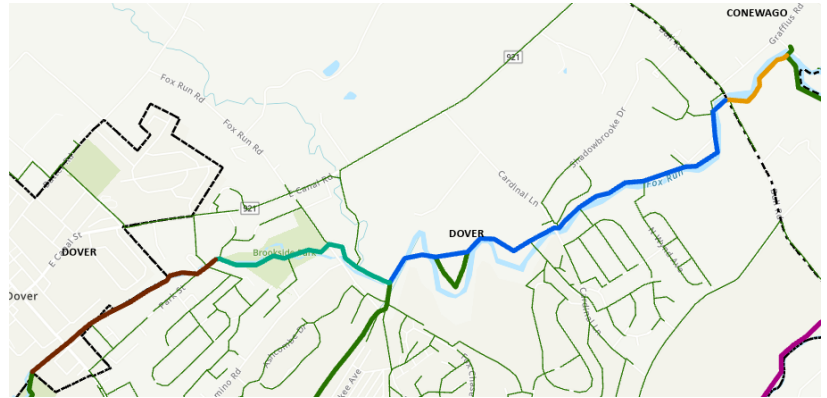


Figure 3-3: Fox Run Interceptor Project Extent (All Phases)

Phase 1: Joint Interceptor Confluence to Angus Lane

Phase 1 services roughly 2,340 EDUs, which will grow to 8,140 EDUs in 25 years. To address the wet weather capacity issues and growth, the existing 30" pipe should be replaced with 1,500 LF of 42" pipe in the current alignment.

The total cost for these improvements is \$1,889,000.

Phase 2: Angus Lane to Palomino Interceptor

Phase 2 services roughly 2,330 EDUs, which will grow to 8,130 EDUs in 25 years. To address the wet weather capacity issues and growth, the existing 30" pipe should be replaced with 7,050 LF of 42" pipe in the current alignment. The sharp bend between manholes F01032 and F01028 should be removed by jacking and boring a new connection between the two.

The total cost for these improvements is expected to be \$8,946,000.

Phase 3: Palomino Interceptor to Brookside Park

Phase 3 services roughly 1,690 EDUs, which will grow to 6,360 EDUs in 25 years. To address the wet weather capacity issues, observed sanitary sewer overflows, and growth, the existing 20"-30" pipes should be replaced with 700 LF of 36" pipe and 2,800 LF of 24" pipe.

The total cost for these improvements is expected to be \$2,719,000.

Phase 4: Brookside Park to Eagle View Park

Phase 4 services roughly 1,140 EDUs, which will grow to 2,270 EDUs in 25 years. To address the wet weather capacity issues, the existing 16"-20" pipes should be replaced with 3,850 LF of 24" pipe.

The total project cost for these improvements is expected to be \$2,735,000.

SERVICE EXPANSION AREAS

Much of the proposed development to the north of the service area does not have sewer service. A cursory review of the topography indicates the area can be serviced by the lines sketched in on Bull Road, extending up Fox Run, and Carlisle Rd (74). See Figure 3-4. Most of this development is expected in the 25-year time frame, though the Bull Road pump station will be in the next 5 years.

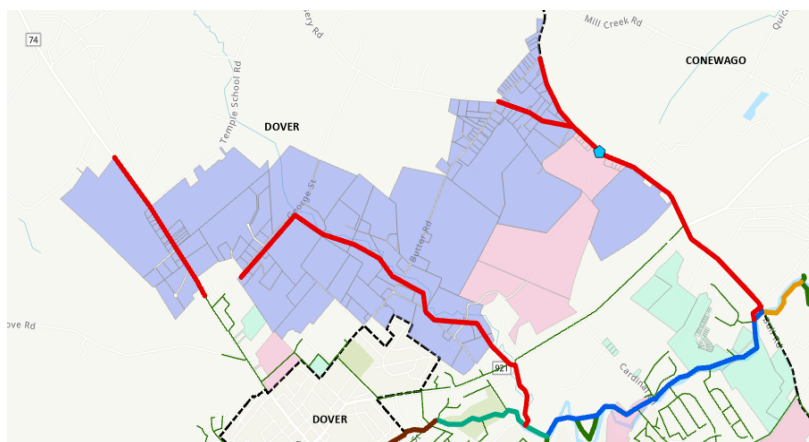


Figure 3-4: Future Expansion

Bull Road Extension

The Bull Road Extension will be designed to collect and convey residential, commercial and potentially industrial flows from the northern Bull Road Corridor. The growth is expected to include 590 additional EDUs. The development of sanitary sewer infrastructure for this area will depend on the timing of new development. There are several parcels that are showing up in the 5-year growth period, but final development plans have not been issued for these parcels.

The Bull Road extension will likely include 5,100 LF 8" collectors that drain to a 175-gpm pump station. The pump station will include 2,200 LF of 6" force main that will discharge into 4,350 LF 10" gravity conveyance sewer.

The total cost for these improvements is expected to be \$2,952,500.

It may be possible to serve this area by gravity. Further analysis will be needed to assess the feasibility of a gravity option.

Fox Run Extension

The Fox Run Extension will be designed to collect and convey residential and some commercial flows from the eastern George Street area, which is lower than the existing George Street Pump Station. The growth is expected to include 3,530 additional EDUs. The development of sanitary sewer infrastructure for this area will depend on the timing of new development.

The Fox Run extension starts on George St with 3,150 LF of 12" gravity line that increases to 2,400 LF of 18" as it turns to follow Fox Run, and 5870 LF of 24" from Butter St to the Fox Run Interceptor to provide service for 3,530 EDUs.

The total cost for these improvements is expected to be \$2,095,500.

Carlisle Road Extension

The Carlisle Road extension will be designed to serve several commercial and residential developments along Carlisle Road north of George Street. This extension would flow back to the George Street Pump Station. The 370 additional EDUs for this extension were included in the Dover North of the Borough Act 537 Plan special study. In the 25-year growth period it is possible that two large parcels of land that were not included in the previous special study could be developed.

Carlisle Road will require 4,300 LF of 8" collector to be extended up Carlisle Road from the existing sewer to provide service for 370 EDUs.

The total cost for these improvements is expected to be \$732,200.

Environmental and Cultural Impacts

The Environmental and Cultural impacts of the projects identified above have been reviewed by the Pennsylvania Department of Conservation and Natural Resources and the Pennsylvania State Historic Preservation Office (PSHPO). Both agencies have provided comments. The results of the PNDI and PHMC assessments can be found in Appendix 2.

The PADCNR has reviewed the PNDI documentation and found that there are no impacts related to the Joint Interceptor Phase 2 project. The Pineview Interceptor project's impact to northern long-eared bat was identified. The USFWS requested avoidance measures for this project.

After the completion of the preliminary design phase for each project, the engineer will provide the plans to the PADCNR for a PNDI review to determine if avoidance or conservation measures are required.

The PA SHPO has noted that "There are likely archaeological resources within the planning study area. However, this project is a planning study and specific locations, and proposed work have not been identified." They have requested that "When plans are available and locations are known, please provide them to our office for review and comment". After the completion of the preliminary design phase for each project, the engineer will provide the plans to the PSHPO for a review by the PHMC to determine if avoidance or conservation measures are required.

Section 4 – Implementation Schedule

The following implementation schedule has been developed to address the timeframe of proposed improvements identified in the alternatives analysis section of this report. The alternatives designed to address the Fox Run and Joint Interceptor are on Dover Township's current 15-year plan and have been identified as needed improvements. The alternatives that address growth in the northern portion of the Dover Township service area will be growth dependent but are being shown as longer-term future projects.

The project cost estimates are based on 2026 dollars and they account for some inflation. Project costs will be updated during the project design for each of the identified projects.

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Fox Run Extension	Design: 2040 Construction: 2042 to 2045	\$2,095,500
Carlisle Road Extension	Design: 2045 Construction: 2046 to 2050	\$732,200

Appendix 1

Appendix 1. Municipality Allocation Requests



Conewago Township
York County
490 Copenhaffer Rd.
York, PA 17404
717-266-2122

May 5, 2026

Chris Hamme
Dover Township
2480 West Canal Rd
Dover, PA 17315

Re: Conewago Township
Dover Township WWTF Reserve Allocation Analysis

Dear Mr. Hamme:

As requested, the information below is Conewago Township's estimated sewage treatment capacity needs for the next twenty-five (25) years:

Current Allocation:

Our current allocation at the Dover Township WWTP is 203,700 gpd.

Projected Flows:

All new/additional EDU counts are based on a flow rate of 300 gpd/EDU.

Table 1
Flow Projections

	2025 Flows	5-Year Projection 2028	10-Year Projection 2033	25-Year Projection 2043
Flow (gpd)	<i>153,000</i>	<i>177,300</i>	<i>180,000</i>	<i>195,000</i>
Total EDUs	<i>488</i>	<i>591</i>	<i>600</i>	<i>650</i>
New EDUs	<i>N/A</i>	<i>103</i>	<i>9</i>	<i>50</i>

Conewago Township does not anticipate that the 25-year growth will require additional treatment plant allocation above the current allocation of 203,700 gpd.

Very truly yours,

Bethany Inman

Bethany Inman

Conewago Township, Zoning Officer

THE TOWNSHIP OF MANCHESTER

YORK COUNTY



PENNSYLVANIA

3200 Farmtrail Road York, PA 17406

Telephone: (717) 764-4646 Fax: (717) 767-1400

www.mantwp.com

June 24, 2026

Chris Hamme
Dover Township
2480 West Canal Rd
Dover, PA 17315

Re: Manchester Township
Dover Township WWTF Reserve Allocation Analysis

Dear Mr. Hamme:

As requested, the information below is Manchester Township's estimated sewage treatment capacity needs for the next twenty (25) years:

Current Allocation:

Our current allocation at the Dover Township WWTP is 732,000 gpd.

Projected Flows:

All new/additional EDU counts are based on a flow rate of 300 gpd/EDU.

Table 1

Flow Projections

	2025 Flows	5-Year Projection 2028	10-Year Projection 2033	25-Year Projection 2043
Flow (gpd)	494,800	500,800	536,700	597,600
Total EDUs	1,649	1,669	1,789	1,992
New EDUs	NA	0	100	303

Manchester Township does not anticipate that 25-year growth will require additional treatment plant allocation above the current allocation of 732,000 gpd.

THE TOWNSHIP OF MANCHESTER

YORK COUNTY



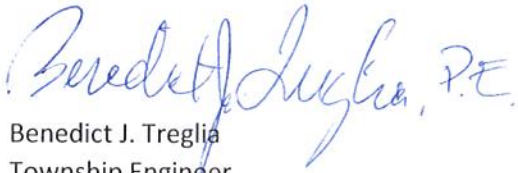
PENNSYLVANIA

3200 Farmtrail Road York, PA 17406

Telephone: (717) 764-4646 Fax: (717) 767-1400

www.mantwp.com

Sincerely,



Benedict J. Treglia

Township Engineer

Manchester Township

717-764-4646

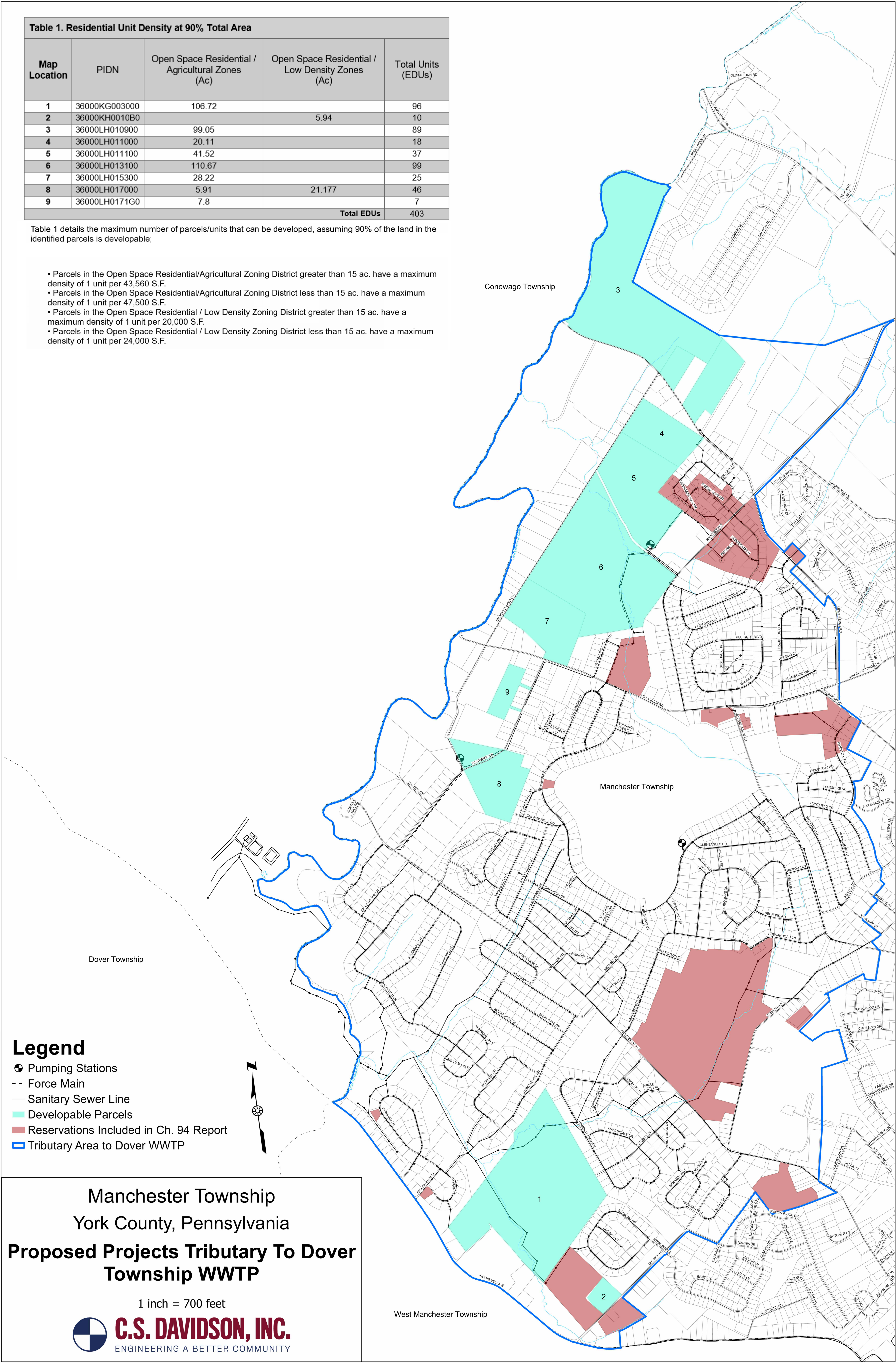
b.treglia@mantwp.com

CC: File

Table 1. Residential Unit Density at 90% Total Area				
Map Location	PIDN	Open Space Residential / Agricultural Zones (Ac)	Open Space Residential / Low Density Zones (Ac)	Total Units (EDUs)
1	36000KG003000	106.72		96
2	36000KH0010B0		5.94	10
3	36000LH010900	99.05		89
4	36000LH011000	20.11		18
5	36000LH011100	41.52		37
6	36000LH013100	110.67		99
7	36000LH015300	28.22		25
8	36000LH017000	5.91	21.177	46
9	36000LH0171G0	7.8		7
Total EDUs				403

Table 1 details the maximum number of parcels/units that can be developed, assuming 90% of the land in the identified parcels is developable:

- Parcels in the Open Space Residential/Agricultural Zoning District greater than 15 ac. have a maximum density of 1 unit per 43,560 S.F.
- Parcels in the Open Space Residential/Agricultural Zoning District less than 15 ac. have a maximum density of 1 unit per 47,500 S.F.
- Parcels in the Open Space Residential / Low Density Zoning District greater than 15 ac. have a maximum density of 1 unit per 20,000 S.F.
- Parcels in the Open Space Residential / Low Density Zoning District less than 15 ac. have a maximum density of 1 unit per 24,000 S.F.



**West Manchester
Township**
(717) 792-3505



**380 East Berlin Road
York, Pa. 17408**
fax: (717) 792-4374

Website: www.westmanchestertownship.com

E-mail: info@westmanchestertownship.com

May 27, 2026

Chris Hamme
Dover Township
2480 West Canal Rd
Dover, PA 17315

Re: West Manchester Township
Dover Township WWTF Reserve Allocation Analysis

Dear Mr. Hamme:

As requested, the information below is West Manchester Township's estimated sewage treatment capacity needs for the next twenty (25) years:

Current Allocation:

Our current allocation at the Dover Township WWTP is 2,345,600 gpd.

Projected Flows:

All new/additional EDU counts are based on a flow rate of 300 gpd/EDU.

**Table 1
Flow Projections**

	2025 Flows	5-Year Projection 2030	10-Year Projection 2035	25-Year Projection 2050
Flow (gpd)	2,080,000*	2,102,200	2,104,900	2,306,200
Total EDUs	4,228	4,302	4,311	4,982
New EDUs	N/A	74	9	671

**Using Maximum 3-Month Average Flow from 2025.*

West Manchester Township does not anticipate that 25-year growth will require additional treatment plant allocation above the current allocation of 2,345,600 gpd.

Very truly yours,

Director of Public Works

Appendix 2

Appendix 2. PNDI-PHMC Review



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pennsylvania Ecological Services Field Office
110 Radnor Road Suite 101
State College, PA 16801-7987
Phone: (814) 298-4396



In Reply Refer To:

09/14/2026 16:14:26 UTC

Project code: 2026-0145592

Project Name: 2026 Act 537 Plan Special Study for Dover Twp

Federal Nexus: no

Federal Action Agency (if applicable):

Subject: Technical assistance for '2026 Act 537 Plan Special Study for Dover Twp'

Dear Margot Flecker:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on September 14, 2026, for “2026 Act 537 Plan Special Study for Dover Twp” (here forward, Project). This project has been assigned Project Code 2026-0145592 and all future correspondence should clearly reference this number.

The Service developed the IPaC system and associated species’ determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into the IPaC must accurately represent the full scope and details of the Project. Failure to accurately represent or implement the Project as detailed in IPaC or the Northeast Indiana Bat Determination Key (Dkey), invalidates this letter. **Answers to certain questions in the DKey commit the project proponent to implementation of conservation measures that must be followed for the ESA determination to remain valid.**

The IPaC results indicated the following species is (are) potentially present in your project area and, based on your responses to the Service’s Northeast Indiana Bat DKey, you determined the proposed Project will have the following effect determinations:

Species	Listing Status	Determination
Indiana bat (<i>Myotis sodalis</i>)	Endangered	May affect

Other Species and Critical Habitat that May be Present in the Action Area

In addition to the species listed above, the following species and/or critical habitats may also occur in your project area and are not covered by this conclusion:

- Monarch butterfly *Danaus plexippus* Proposed Threatened
- Northern Long-Eared Bat *Myotis septentrionalis* Endangered
- Tricolored bat *Perimyotis subflavus* Proposed Endangered

Please Note: If the Action may impact bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act (BGEPA) (54 Stat. 250, as amended, 16 U.S.C. 668a-d) by the prospective permittee may be required. Please contact the Migratory Birds Permit Office, (413) 253-8643, or PermitsR5MB@fws.gov, with any questions regarding potential impacts to Eagles.

If you have any questions regarding this letter or need further assistance, please contact the Pennsylvania Ecological Services Field Office and reference the Project Code associated with this Project.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

2026 Act 537 Plan Special Study for Dover Twp

2. Description

The following description was provided for the project '2026 Act 537 Plan Special Study for Dover Twp':

Per Pennsylvania Sewage Facilities act, Act 537, sanitary sewers and treatment facilities will be modeled for current and future conditions. Several models will be preposed for construction.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@40.0239536,-76.8264200368317,14z>



QUALIFICATION INTERVIEW

1. As a representative of this project, do you agree that all items submitted represent the complete scope of the project details and you will answer questions truthfully?

Yes

2. Does the proposed project include, or is it reasonably certain to cause, intentional take of listed species that is not covered by an existing section 10 (a)(1)(A) Recovery Permit, exempted under section 4(d) or authorized by a section 6 cooperative agreement?

Note: Intentional take is defined as take that is the intended result of a project. Intentional take could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered or proposed species.

No

3. Is the action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

Note: for projects in Pennsylvania: Projects requiring authorization under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act would be considered as having a federal nexus. Since the U.S. Army Corps of Engineers (Corps) has issued the Pennsylvania State Programmatic General Permit (PASPGP), which may be verified by the PA Department of Environmental Protection or certain Conservation Districts, the need to receive a Corps authorization to perform the work under the PASPGP serves as a federal nexus. As such, if proposing to use the PASPGP, you would answer 'yes' to this question.

No

4. Will the proposed project involve demolition, rehabilitation, property elevation, renovation, and/or rebuilding of one or more existing buildings (e.g., residential, commercial and industrial buildings, or utilities)? Note: if project activities include modification of bridges and/or culverts, answer this question "No".

No

5. Will the proposed project result in permanent changes to water availability or water quality where bats may be present?

No

6. Does any component of the project associated with this action include activities or structures that may pose a collision risk to bats (e.g., plane-based surveys, land-based or offshore wind turbines)?

No

7. Are there any caves, mines or mine features that are suitable for hibernating Indiana bats within the action area?

No

8. Has a presence/probable absence bat survey (acoustic or mist-net summer active season survey) following the Service's [Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines](#) been conducted within the action area? Note: If yes, upload survey report.

No

9. Does the project involve removal or modification of a human-made structure (barn, house, or other building) known or suspected to contain roosting bats?

Note: Most maintenance and general human disturbance in and around structures will not affect Indiana bats as bats roosting in human structures are adjusted to a certain level of routine noise and are generally expected to roost away from areas with excessive disturbance. Answer 'no' if the proposed action will not include disturbance to human structures known or suspected to contain roosting bats or if the structure does not offer suitable roosting habitat for Indiana bats. If unsure, answer 'yes.'

No

10. Does the project include removal/modification of an existing culvert?

No

11. Does the project include removal/modification of an existing bridge?

No

12. Are trees present within 1000 feet of the action area?

Note: If there are trees within the action area that are of a sufficient size to be potential roosts for bats (i.e., live trees and/or snags ≥ 5 inches dbh (12.7 centimeter)), answer "Yes". If unsure, answer "Yes." Or refer to the USFWS' [Range-wide Indiana Bat and Northern Long-Eared Bat Survey Guidelines](#) for definitions and an assessment form that will assist you in determining if suitable habitat is present within your project's action area. Suitable summer habitat for Indiana bat consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥ 5 inches dbh (12.7 centimeter)) that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat

Yes

13. Will the project include tree cutting or other means of knocking down or bringing down trees, or tree trimming?

Yes

14. Is the project related to the production of coal, including projects that support the mining of coal, as well as the production and/or distribution of energy produced from coal?

No

15. Does the project include emergency cutting or trimming of hazard trees in order to remove an imminent threat to human safety or property?

No

16. Does the project intersect with the 0- 9.9% forest density category?

Automatically answered

Yes

17. Will the action cause trees to be cut, knocked down, or otherwise brought down across an area greater than 0.5 acre in total extent?

Yes

18. Do you have any other documents that you want to include with this submission?

No

IPAC USER CONTACT INFORMATION

Agency: Buchart Horn Inc.
Name: Margot Flecker
Address: 701 N Point Dr
Address Line 2: 3006
City: Pittsburgh
State: PA
Zip: 15233
Email: mflecker@bucharthorn.com
Phone: 7249709727

1. PROJECT INFORMATION

Project Name: **2026 Act 537 Plan Special Study for Dover Twp**

Date of Review: **9/3/2026 04:16:01 PM**

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

Project Area: **253.78 acres**

County(s): **York**

Township/Municipality(s): **Conewago Township; Dover Borough; Dover Township; Manchester Township; West Manchester Township**

ZIP Code:

Quadrangle Name(s): **DOVER; WEST YORK**

Watersheds HUC 8: **Lower Susquehanna**

Watersheds HUC 12: **Lower Little Conewago Creek; Upper Little Conewago Creek**

Decimal Degrees: **39.977891, -76.812202**

Degrees Minutes Seconds: **39° 58' 40.4068" N, 76° 48' 43.9287" W**

This is a draft receipt for information only. It has not been submitted to jurisdictional agencies for review.

2. SEARCH RESULTS

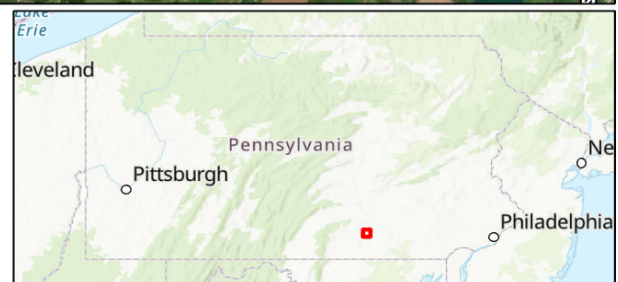
Agency	Results	Response
PA Game Commission	Conservation Measure	No Further Review Required, See Agency Comments
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Potential Impact	MORE INFORMATION REQUIRED, See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

2026 Act 537 Plan Special Study for Dover Twp

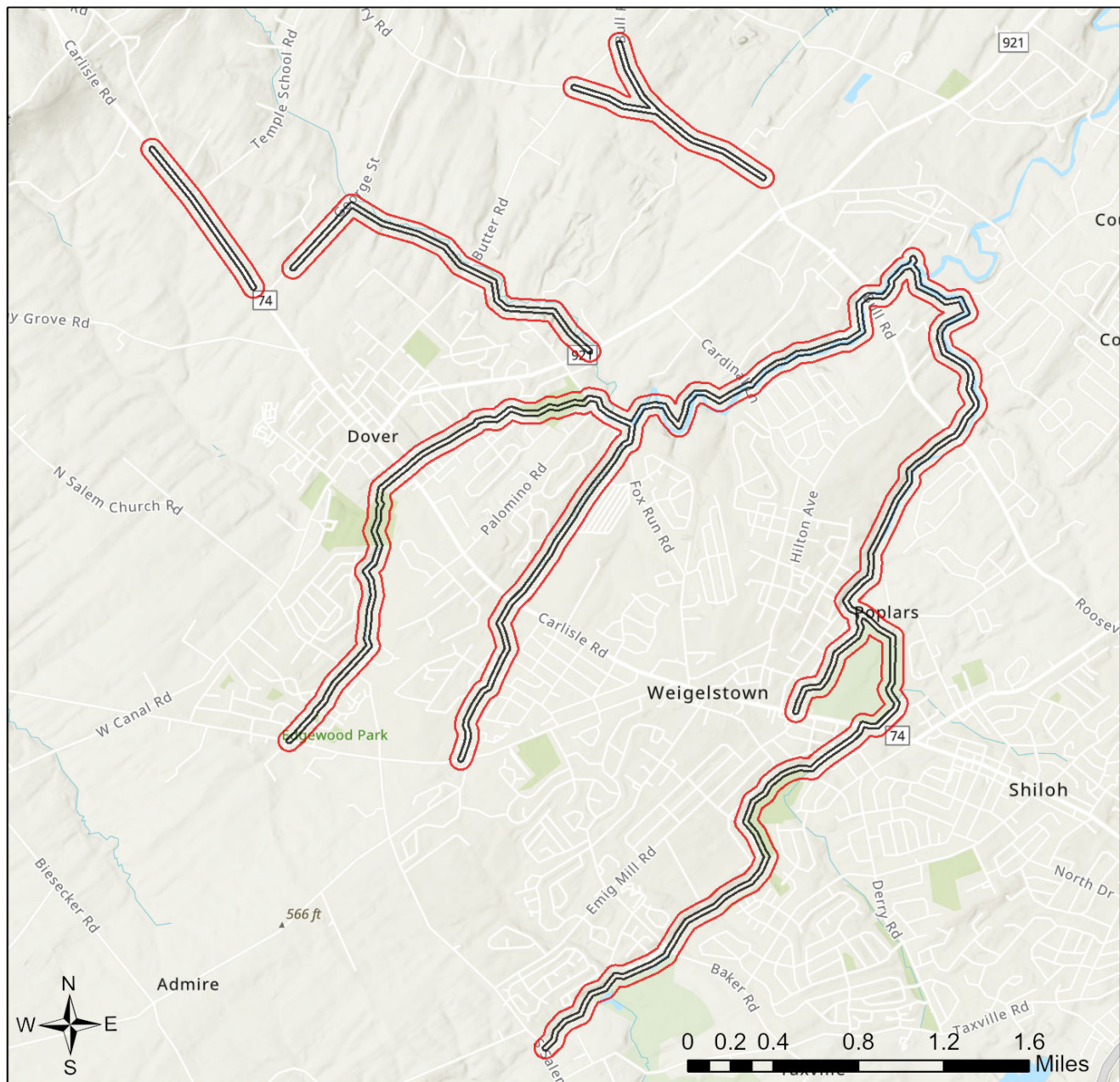


- Buffered Project Boundary
- Project Boundary



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

2026 Act 537 Plan Special Study for Dover Twp



-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Vantor, 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: Is the removal of any structures (building, barn, silo, etc.) or of a structure that contains a barn owl nest box associated with this project?

Your answer is: No

Q2: Will the action include disturbance to trees such as tree cutting (or other means of knocking down, or bringing down trees, tree topping, or tree trimming), pesticide/herbicide application or prescribed fire?

Your answer is: Yes

Q3: Does the action area contain any caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, culverts, or tunnels that could provide habitat for hibernating bats?

Your answer is: No

Q4: Will the action include disturbance to trees such as tree cutting (or other means of knocking down, or bringing down trees, tree topping, or tree trimming), pesticide/herbicide application or prescribed fire?

Your answer is: Yes

Q5: Does the action area contain any caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, culverts, or tunnels that could provide habitat for hibernating bats?

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:

Conservation Measure: Potential impacts to state and federally listed species which are under the jurisdiction of both the Pennsylvania Game Commission (PGC) and the U.S. Fish and Wildlife Service may occur as a result of this project. As a result, the PGC defers comments on potential impacts to federally listed species to the U.S. Fish and Wildlife Service. No further coordination with the Pennsylvania Game Commission is required at this time.

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:

Information Request: Your project is within the range of the federally listed northern long-eared bat. Enter project information into IPaC (<http://ecos.fws.gov/ipac/>). Follow the step-by-step process to review this project's potential effect on federally listed species. For step-by-step instructions, please see our Project Review Page (<https://www.fws.gov/office/pennsylvania-ecological-services/project-revi...>)

Information Request: Your project is within the range of the federally listed Indiana bat. Enter project information into IPaC (<http://ecos.fws.gov/ipac/>). Follow the step-by-step process to review this project's potential effect on federally listed species. For step-by-step instructions, please see our Project Review Page (<https://www.fws.gov/office/pennsylvania-ecological-services/project-revi...>)

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email the following information to the agency(s) (see AGENCY CONTACT INFORMATION). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies (but not USFWS).

*If information was requested by USFWS, applicants must submit their project using [IPaC](#), following the [USFWS Project Submission](#) Instructions. USFWS will not accept or review project materials uploaded via the Conservation Explorer.

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

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.



1. PROJECT INFORMATION

Project Name: **Dover Phase 2 Sewer Replacement**

Date of Review: **2/17/2026 03:55:48 PM**

Project Category: **Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewer line maintenance-repair, replacement of existing line**

Project Area: **11.06 acres**

County(s): **York**

Township/Municipality(s): **Conewago Township; Dover Township; West Manchester Township**

ZIP Code:

Quadrangle Name(s): **DOVER; WEST YORK**

Watersheds HUC 8: **Lower Susquehanna**

Watersheds HUC 12: **Upper Little Conewago Creek**

Decimal Degrees: **39.997055, -76.803692**

Degrees Minutes Seconds: **39° 59' 49.3972" N, 76° 48' 13.2923" W**

2. SEARCH RESULTS

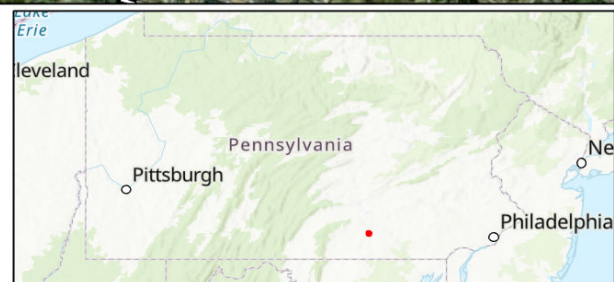
Agency	Results	Response
PA Game Commission	Conservation Measure	No Further Review Required, See Agency Comments
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife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

Pennsylvania Natural Diversity Inventory (PNDI) records indicate that while threatened and endangered and/or special concern species and resources are in the project vicinity and that recommended Conservation Measures should be implemented in their entirety to avoid and minimize impacts to these species, no further coordination is required with the jurisdictional agencies. If a DEP permit is required for this project, DEP has the discretion to incorporate one or more Conservation Measures into its permit. This response does not reflect potential agency concerns regarding potential impacts to other ecological resources, such as wetlands.

Dover Phase 2 Sewer Replacement

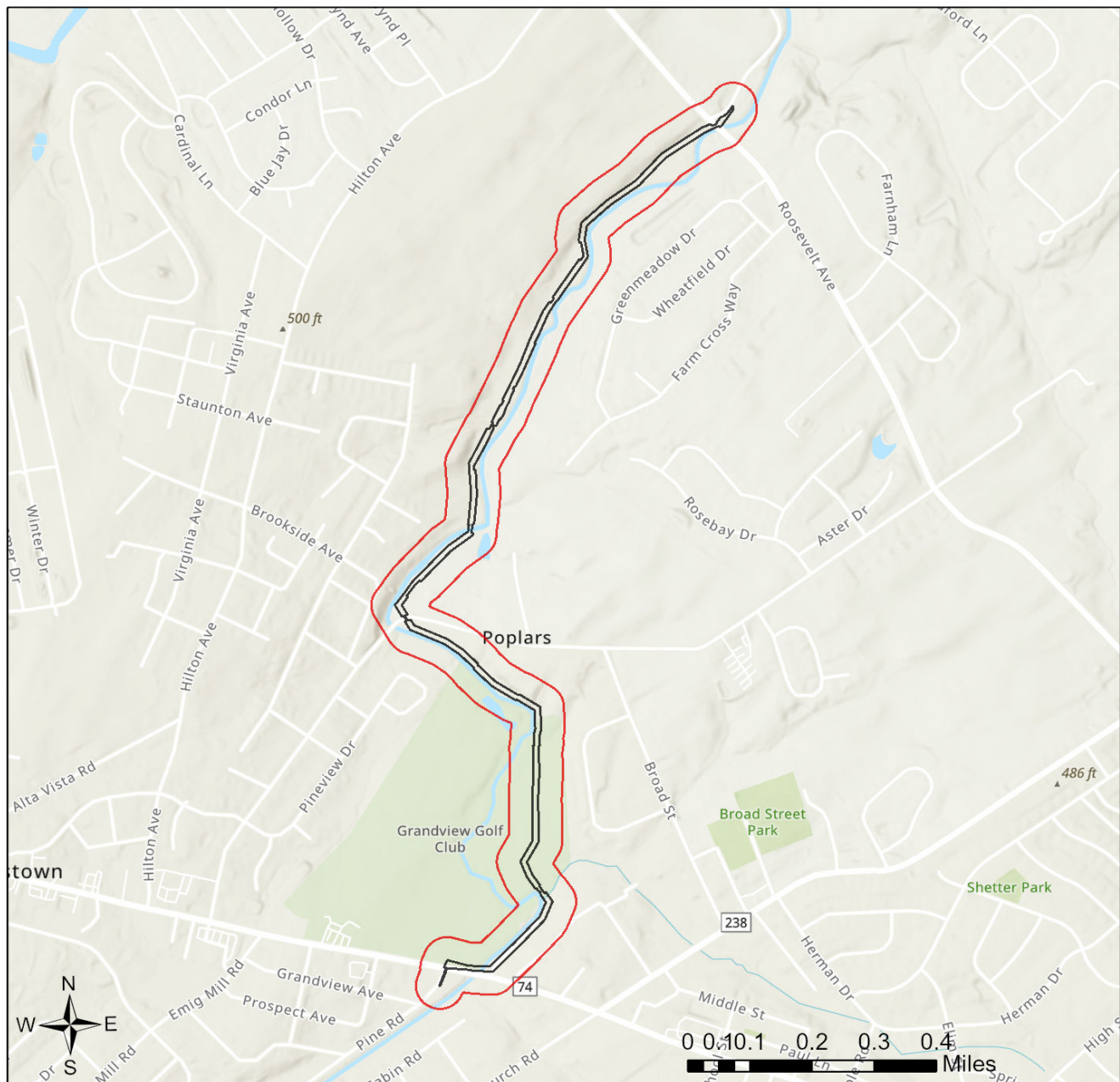


-  Buffered Project Boundary
-  Project Boundary

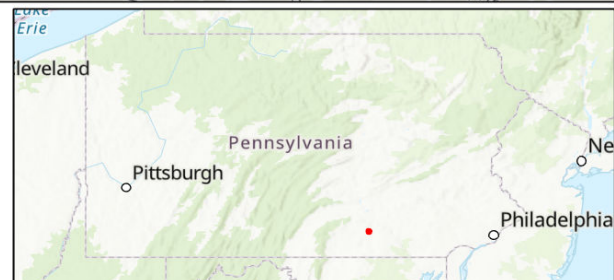


Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community

Dover Phase 2 Sewer Replacement



-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Vantor, 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: Will the action include disturbance to trees such as tree cutting (or other means of knocking down, or bringing down trees, tree topping, or tree trimming), pesticide/herbicide application or prescribed fire?

Your answer is: No

Q2: Does the action area contain any caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, culverts, or tunnels that could provide habitat for hibernating bats?

Your answer is: No

Q3: Will the action include disturbance to trees such as tree cutting (or other means of knocking down, or bringing down trees, tree topping, or tree trimming), pesticide/herbicide application or prescribed fire?

Your answer is: No

Q4: Does the action area contain any caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, culverts, or tunnels that could provide habitat for hibernating bats?

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:

Conservation Measure: Potential impacts to state and federally listed species which are under the jurisdiction of both the Pennsylvania Game Commission (PGC) and the U.S. Fish and Wildlife Service may occur as a result of this project. As a result, the PGC defers comments on potential impacts to federally listed species to the U.S. Fish and Wildlife Service. No further coordination with the Pennsylvania Game Commission is required at this time.

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

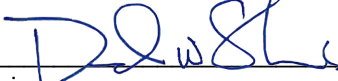
Bureau of Wildlife Management
Division of Environmental Review
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: David Shirk
Company/Business Name: Buchart Horn, Inc.
Address: 445 W Philadelphia St
City, State, Zip: York, PA 17401
Phone: (717) 852-1412 Fax: ()
Email: dshirk@bucharthorn.com

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

2/17/2026
date



Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

March 3, 2026

Sent Via PA-SHARE

RE: ER Project # 2026PR00807.002, Dover Township Joint Sanitary Sewer Interceptor Project - Phase 2, Department of Environmental Protection, West Manchester Township, York County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Archaeological Resources

No Archaeological Concerns - Environmental Review - No Effect - Archaeological

Based on the information received and available in our files, in our opinion, the proposed project should have No Effect on archaeological resources. Should the scope of the project be amended to include additional ground-disturbing activity and/or should you be made aware of historic property concerns regarding archaeological resources, you will need to reinstitute consultation with our office using PA-SHARE.

For questions concerning archaeological resources, please contact Kristen Walczesky at kwalczesky@pa.gov.

Sincerely,

Barbara Frederick
Environmental Review Division Manager



Pennsylvania State Historic Preservation Office

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

February 27, 2026

Sent Via PA-SHARE

RE: ER Project # 2026PR00807.001, Dover Township Joint Sanitary Sewer Interceptor Project - Phase 2, Department of Environmental Protection, West Manchester Township, York County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Above Ground Resources

No Above Ground Concerns - Environmental Review - No Effect - Above Ground

Based on the information received and available within our files, it is our opinion that the proposed project will have No Effect on above ground historic properties, including historic buildings, districts, structures, and/or objects, should they exist. Should the scope of the project change and/or should you be made aware of historic property concerns, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning above ground resources, please contact Nicholas Zeitlin at nzeitlin@pa.gov.

Archaeological Resources

More Information Requested - New Attachment

Will the new proposed sewer line be placed in the same location as the existing sewer line? You can attach your respond as a word document or pdf to this More Information request. Please submit the requested materials to the PA SHPO through PA-SHARE using the link under SHPO Requests More Information on the Response screen.

For questions concerning archaeological resources, please contact Kristen Walczesky at kwalczesky@pa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Frederick". The signature is fluid and cursive, with a large initial "B" and a stylized "F".

Barbara Frederick

Environmental Review Division Manager

Appendix 3

Appendix 3. Public Review

DOVER TOWNSHIP SEWER AUTHORITY ACT 537 PLAN SPECIAL STUDY

PUBLIC NOTICE

Let it be known that The Dover Township Sewer Authority is preparing the DTSA Act 537 Plan Special Study. This is a planning document which identifies future required improvements to the Authority's conveyance sewers in Dover Township. This plan is designed to address the need for Dover Township, improve their conveyance system capacities due to aging infrastructure and planned growth in the Township and in the connected townships that conveyed to the Dover Wastewater Treatment Plant by means of Dover Township Sewer Authority interceptors.

The recommended improvements include upgrades to sewer pipe and the potential extension of the collection and conveyance system to serve the northern section of the Township's sanitary sewer service area. The proposed improvements will be paid for with user fees and developer tap-in fees. The WWTP's effluent is discharged to the Little Conewago Creek which is classified as a warm water fishery.

The Act 537 Plan document is available for public review at the following municipal offices during normal business hours:

Dover Township Office; 2480 West Canal Rd, Dover PA 17315-3202

Written comments must be received within 30 days of this advertisement and should be sent to the municipality where the plan was reviewed as listed above.

The document is also available for review online at the Dover Township's website home page under:
<https://www.dovertownship.org/home/government/public-notice/>

Written comments from the online review must be received within 30 days of this advertisement and can be sent to the email address act537@dovertownship.org or can be sent to your municipality listed above.

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Appendix 4

Appendix 4. Municipal Resolutions



BUCHART HORN
ENGINEERS • ARCHITECTS • PLANNERS

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