

US Army Corps
of Engineers
Baltimore District

FINDING OF NO SIGNIFICANT IMPACT AND ENVIRONMENTAL ASSESSMENT

**MOSCOW, PENNSYLVANIA, SEWER EXTENSION
LACKAWANNA COUNTY**

SECTION 219 PROJECT

**MOSCOW SEWER AUTHORITY CHURCH STREET SANITARY SEWER
EXTENSION**

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Prepared by:

**U.S. Army Corps of Engineers, Baltimore District
2 Hopkins Plaza
Baltimore, Maryland 21201**

FINDING OF NO SIGNIFICANT IMPACT

Moscow Sewer Authority Church Street Sanitary Sewer Extension Lackawanna County, Pennsylvania

In accordance with the National Environmental Policy Act (NEPA) of 1969, as amended, the U.S. Army Corps of Engineers, Baltimore District (USACE), has assessed the environmental effects of the Moscow Sewer Authority Church Street Sanitary Sewer Extension, Lackawanna County, Pennsylvania. The Baltimore District is cost sharing the extension of the sewer line along Church Street and Gardner Road, from the existing sanitary sewer manhole located near Moscow Elementary School to the Moscow Borough boundary. The non-federal sponsor is Moscow Sewer Authority. The proposed action consists of installing approximately 6,000 feet of 1-1/2" to 4" diameter low pressure mains located along existing state and borough road right-of-ways. Low pressure sanitary sewer laterals would be constructed and a grinder pump installed at each residential or commercial structure. The proposed extension would service existing residents and commercial properties of Moscow Borough, totaling approximately 46.5 Equivalent Dwelling Units. The proposed project would supplant existing, malfunctioning, on-lot sewage disposal systems that pose a potential risk to public health through the release of partially treated or untreated sewage to surface and ground water.

The project is authorized by Section 219 of the Water Resources Development Act of 1992 (Public Law 102-580), as amended. This authority directs USACE to provide assistance to non-Federal interests for carrying out water-related environmental infrastructure and resource protection projects. This project is located within the Borough of Moscow, Lackawanna County, Pennsylvania. Projects in Lackawanna County, Commonwealth of Pennsylvania are specifically authorized in WRDA of 1999 (PL 106-53), §502(f)(11).

The environmental assessment was prepared in compliance with NEPA and supporting regulations promulgated by the Council on Environmental Quality and the USACE. Three alternatives were considered and evaluated for this project including the proposed action (construction of a low pressure sewer system), construction of a conventional gravity sewer system, and no action.

Potential impacts to aquatic resources; terrestrial resources; endangered and threatened species; hazardous, toxic and radioactive substances; cultural resources; and social welfare were assessed.

Short-term, minor, adverse impacts from the proposed project include dust, air emissions, and noise from construction activities; potential disruption of traffic during construction; and temporary loss of vegetation in areas disturbed. The extension of the sewer line will replace malfunctioning, on-lot sewage disposal systems, thereby benefitting the community through the use of safe and reliable sewage conveyance and treatment. Appropriate steps to minimize potential adverse impacts, such as the implementation of best management practices, will be

incorporated into the project. The proposed project will not have an adverse effect on any threatened or endangered species or their critical habitat. No impacts to cultural resources or National Register of Historic Places properties are expected.

The accompanying environmental assessment, which was made available for a 30-day public review, supports the conclusion that the project does not constitute a major Federal action significantly affecting the quality of the human environment. Therefore, an environmental impact statement is not necessary to perform the proposed sewer line expansion.

Date

John T. Litz
Colonel, U.S. Army
Commander and District Engineer

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1 INTRODUCTION

1.1 Project Authority

Section 219 of the Water Resources Development Act (WRDA) of 1992 (PL 102-580), as amended, authorizes the U.S. Army Corps of Engineers (USACE) to provide assistance to non-Federal interests for carrying out water-related environmental infrastructure and resource protection projects. This project is located within the Borough of Moscow in Lackawanna County, Pennsylvania. Projects in Lackawanna County, Commonwealth of Pennsylvania are specifically authorized in WRDA of 1999 (PL 106-53), §502(f)(11).

1.2 Project Background

The Borough of Moscow is located in Lackawanna County in northeastern Pennsylvania. The proposed project would run along Church Street from the existing Moscow Borough Central Sanitary Sewer system manhole located near Moscow Elementary School and west to the Moscow Borough line, as well as north along Gardner Road (Appendix A, Figures 1, 2). The non-federal sponsor is Moscow Sewer Authority (MSA).

The Lackawanna County Regional Planning Commission prepared the “Sewerage Facilities and Water Supply Plan for the County of Lackawanna” (Plan) in 1971 for all municipalities in the county. The Borough of Moscow adopted the Plan as its Act 537 Official Sewage Facilities Plan on August 4, 1973. The Plan identified the Borough of Moscow as having significant sewage needs that were caused by malfunctioning on-lot sewage disposal systems (OLDS) and recommended that central sewage facilities be constructed. A wastewater treatment plant (WWTP) was constructed in 1984 and expanded in 2008 from 0.180 million gallons per day (MGD) to 0.30 MGD. The MSA owns and operates the existing Moscow Borough Central Sanitary Sewer system and the Moscow WWTP. The Moscow WWTP operates under the NPDES Permit Number PA-0061123 and consists of 8” PVC gravity line, 8” ductile iron gravity line, 8” ductile iron for railroad crossing, and 8” ductile iron gravity line for stream crossings. The MSA serves 1,009.76 Equivalent Dwelling Units (EDUs), which includes both residential and commercial users.

1.3 Purpose and Need

The purpose of the Moscow Sewer Authority Church Street Sanitary Sewer Extension is to extend the service area to supplant existing, malfunctioning on-lot sewage disposal systems. The proposed extension would service existing residents and commercial properties of Moscow Borough, totaling approximately 46.5 EDUs.

The Moscow Borough Sewage Enforcement Officer conducted mail-in surveys, field surveys, well water testing and stream testing of 30 residential and commercial properties to identify sewage disposal needs. Two types of existing on-lot sewage disposal systems were identified: in-ground and elevated sand mounds. Of the 19 in-ground systems tested, five were found to be malfunctioning. There were 28 well water samples taken and 6 were found to be bacteriologically unsafe for drinking. The project is needed to supplant existing malfunctioning on-site sewage

disposal systems in order to reduce detrimental impacts to groundwater, surface water, and public health.

This environmental assessment (EA) has been prepared by USACE pursuant to the National Environmental Policy Act (NEPA) and Engineering Regulation (ER) 200-2-2. This EA evaluates the potential environmental and socioeconomic impacts from construction and general operation of the MSA Church Street Sanitary Sewer Extension project.

1.4 Coordination

In compliance with NEPA of 1969, as amended, coordination was conducted with Federal, State, and local resources agencies (Appendix B).

A public notice was posted by MSA on 30 September 2016, in the Carbondale/The Villager newspapers, which are published for general circulation in Lackawanna County. No comments were received following the thirty day review period after the public notice was posted.

The USACE posted a public notice on the USACE Baltimore District public notice website on 28 July 2020. No comments were received following the thirty day review period after the public notice was posted.

USACE coordinated with the PA State Historic Preservation Office (SHPO) to ensure compliance with Section 106 of the National Historic Preservation Act (Appendix B). Consultation letters were mailed to federally-listed tribes with potential interest in the project area.

Agency coordination was conducted by USACE through the U.S. Fish and Wildlife Service (USFWS) Information, Planning, and Consultation (IPaC) online system on 20 November 2019 (Appendix B). A Pennsylvania Natural diversity Inventory (PNDI) review was also performed and a report was generated on 21 November 2019 (Appendix B).

2 PROJECT DESCRIPTION

The proposed Moscow Sewer Authority Church Street Sanitary Sewer Extension would connect to the existing Moscow Borough Central Sanitary Sewer System at its current terminus, which is a sanitary sewer manhole near the Moscow Elementary School on Church Street (S. R. 690). The proposed sanitary sewer would run approximately 6,000 feet from the manhole connection west to the Moscow Borough line. The service area would include Church Street and Gardner Road where the sanitary sewer would also be extended (Appendix A, Figure 1). There are no new proposed developments in the project area. The project is being constructed to supplant existing, malfunctioning on-lot sewage disposal systems.

The conceptual design submitted by MSA consists of 1-1/2" to 4" diameter low pressure mains located along existing state and borough road right-of-ways (ROW). Low pressure sanitary sewer laterals would be constructed and a grinder pump installed at each residential or commercial structure.

The proposed extension would service existing residents and commercial properties of Moscow Borough, totaling approximately 46.5 EDU.

3 ALTERNATIVES CONSIDERED

3.1 Alternative #1 -- No-Action Alternative

Under the no-action alternative, the sewer line would not be extended. Existing residents and businesses and any future development would continue to use OLDS as the method of sewage disposal. The no-action alternative would result in the continued discharge of partially treated and untreated sewage effluent to the ground, surface and nearby waterways and wetland areas from malfunctioning OLDS. The continued use of malfunctioning OLDS would continue to contribute to existing pollution and public health concerns stemming from the release of untreated or partially treated sewage. Existing conditions such as soil suitability, topography and geology in the project area, are not suitable for the continued use or the installation of new OLDS. This alternative would not meet the goals of the Moscow Borough Act 537 Sewage Facilities Plan or Borough Planning Documents and is not considered viable.

3.2 Alternative #2 – Proposed Action

This alternative involves the construction of a low pressure sanitary sewer (LPSS) system to extend the existing central sanitary sewer system. The LPSS system would consist of sewer mains ranging in size from 1-1/2 inches to 4 inches. This system would serve 29 parcels, totaling approximately 46.5 EDUs within the project area. The LPSS system would allow for adequate, safe and reliable sewage conveyance and treatment. The approximate cost to construct the LPSS system is \$1,800,000. Annual maintenance costs associated with this type of system (grinder pumps, electric) would be greater than a gravity sewer system, but the cost to install this system is substantially less than a gravity sewer system. The existing sanitary sewer system would be utilized to transport sewage from the border of the project area to the MSA WWTP.

3.3 Alternative #3

This alternative involves the construction of a conventional gravity sanitary sewer extension to the central sanitary sewer system. This system would require a substantial quantity of 8-inch diameter pipe, sewer manholes, and a pump station. The approximate cost to construct this system is \$2,814,606. This alternative is not considered economically feasible when compared to the construction of a LPSS system, particularly since the project area terminates at the boundary of Moscow Borough.

3.4 Evaluation of Alternatives

Based upon the alternatives considered above, Alternative #2, construction of a low pressure sewer system, has been determined to be the most desirable and cost effective alternative for serving the properties within the proposed planning area in Moscow Borough. Alternative #1 would allow for the continued discharge of partially treated or untreated sewage from malfunctioning OLDS, thereby posing a potential risk to public health, surface water, and groundwater resources. Alternative #3 would have impacts similar to Alternative #2, however

impacts to soils and wetlands may be greater due to increased footprint of the gravity sewer line system and potential alignment across wetlands. Alternative #3 is also not considered to be economically feasible when compared to Alternative #2. Therefore, the preferred alternative/proposed action is Alternative #2- the construction of a low pressure sewer system. The potential environmental, cultural and social impacts associated with the proposed action and Alternative #3 are assessed below.

4 EXISTING CONDITIONS AND PROJECT IMPACTS

This section describes the affected environment, the existing conditions and the potential project impacts on the natural and socioeconomic resources categories that are applicable to the area affected by the proposed project and alternatives. Each environmental, cultural, and social resource category was reviewed for its applicability to the project.

For the purpose of describing existing conditions and environmental effects, the project area is defined as the area directly affected by project construction (Appendix A, Figure 2). The project area is located along existing state and borough road ROW on Church Street and Gardner Road. Online environmental resource information, Google Earth Pro and Google Maps imagery were used to assess existing conditions. Information provided by the MSA in the “Minor Act 537 Sewage Facilities Plan Update Revision, Component 3M” prepared by Engineering Surveying Consultants & Design, Inc., for the MSA was also used to identify existing conditions and project impacts.

4.1 Land Use

The primary land use in the project area is residential and commercial. The majority of properties along Church Street and Gardner Road contain residential or commercial buildings. There are wooded areas along the northern and eastern edge of Gardner Road. There are wooded areas and fields along the southern edge of Church Street. The northern edge of the project area along Church Street is characterized as having multiple driveways leading to residential properties or parking lots of commercial buildings. The eastern end of the project area is adjacent to an elementary school. There are no proposed new developments in the project area.

The proposed action and alternatives will not impact land use nor will the land use type be changed.

4.2 Geology and Topography

The project area lies within the Appalachian Mountain section of the Ridge and Valley geologic province. The area, known as the Anthracite Coal Region, is oriented in a southwest-northeast direction and contains vast beds of anthracite coal. The main rock type is fine to coarse-grained sandstone and conglomerate with siltstone and shale (PA DCNR). The project area is located within the Northern Anthracite Coal Field, which extends through the Lackawanna-Wyoming Valley. The Lackawanna-Wyoming Valley forms a physiographic boundary dividing the Allegheny and Pocono Plateau provinces and is bounded by the Lackawanna Range on the west and the Moosic Mountains on the east.

The estimated project area is 1 acre and the disturbed area is 0.7 acres. The proposed sewer line expansion would occur within existing state and borough ROW, and the land returned to its existing condition to the extent practicable, immediately after construction. Therefore, impacts from the proposed action and Alternative #3 to the topography of the project area are minor, temporary and local. No impacts to geology are anticipated from the proposed action or alternatives.

4.3 Soils

The web-based U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) mapping program determined the soil types found within the proposed project area to be primarily holly silt loam (HO), Lackawanna channery loam (LaB), Wellsboro channery loam (WcB), Oquaga channery loam (OcC), Morris channery loam (MxB), Lackawanna channery loam (LaC), Oquaga and Lordstown extremely stony loams (OYE) and Wyoming gravelly sandy loam (WyC). See Appendix A, Figures 3-5 for soil map.

The soil analysis included in the Component 3M identifies the suitability of the soil for on-lot systems within the project area as being “generally very” to “moderately limited.” Very limited indicates that the soil has one or more features that are unfavorable for the specified on-lot systems use, which cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Moderately limited indicates that the soil has features that are somewhat favorable for the specified use, and these can be overcome or minimized by special planning design or installation. These limitations can lead to poor to fair performance of OLDS, and high to moderate maintenance requirements. Soil characteristics within the project area make the selected alternative the most cost effective option.

The proposed work would occur within existing state and borough ROW. The soil that would be disturbed has likely been subject to previous construction activities due to road construction. The proposed project construction would cause minor, short-term impacts to soil due to excavation for sewer line placement. An erosion and sediment control plan would be developed. This plan will include best management practices such as silt fences where needed and sediment and erosion control measures. Alternative #3 would require greater excavation due to larger diameter of the pipes and the depth needed to create the slope for the gravity line, as well as multiple sewer manholes and pump station.

4.4 Prime and Unique Farmlands

A review of soil farmland class within the project area was performed using the USDA NRCS USA Soil Farmland Class data imagery layer on ArcGIS Online by Esri. Prime farmland and farmland of statewide importance is mapped within the project area; however, there are no agricultural fields within the proposed project location. The project area is within the borough and state ROW, in an area that was previously disturbed and/or developed. No impacts are expected to Prime and Unique farmlands from the proposed action or alternatives

4.5 Surface Waters

Van Brunt Creek flows through the project area at two points: under the bridge on Church Street located east of the intersection with Gardner Road, and under Gardner Road. Van Brunt Creek is classified as riverine, upper perennial, unconsolidated bottom, and permanently flooded (R3UBH).

The selected alternative would cross the stream channel in a concrete-encased sewer line, attached to the bridge. Negligible impacts to the surface waters are expected from the selected alternative. No permanent discharges to surface water are expected. Any necessary erosion and sediment control plans and/or stormwater permits will be obtained prior to commencing construction, and work is expected to be performed in accordance with such permits. The proposed project would reduce negative impacts to surface water and groundwater resources from malfunctioning OLDS.

Alternative #3 would be constructed beneath the creek bed and would have minor, temporary impacts to Van Brunt Creek.

4.6 Wetlands

Executive Order number 11990 requires federal agencies to evaluate potential impacts to wetlands, consider alternatives to wetland sites and limit damage to wetlands if impacts cannot be avoided. Wetlands are defined as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands perform important water quality functions such as filtration, and provide food and habitat for fish and other wildlife. Along with open water, they are breeding, spawning, feeding, cover and nursery areas for fish and are important nesting, migrating, and wintering areas for water fowl and other wildlife.

No on-site visit was conducted for this assessment. A review of the National Wetlands Inventory (USFWS), maps freshwater forested/shrub wetland and freshwater emergent wetland along a portion of the western edge of Gardner Road. Freshwater forested/shrub wetlands are also mapped along a portion of the western end of Church Street. The selected alternative would be constructed along existing borough and state roads ROW; therefore, no impacts to wetlands are expected.

Alternative #3 may have impacts to forested wetlands due to the increased footprint of a gravity sewer system, when compared to the low pressure system (Alternative #2), and if the alignment crosses the wetlands located along Gardner Road. Alternative #3 would also be constructed beneath the creek bed and would have minor, temporary impacts to any wetlands that may be adjacent to Van Brunt Creek.

4.7 Floodplains

Issued in 1977, Executive Order number 11988, requires the Federal government to take into consideration the effects that its actions will have on floodplains. According to the Federal Emergency Management Agency mapping, portions of the project area are located within the 100-year floodplain. The selected alternative would be installed along existing borough and state ROW and is not anticipated to result in adverse impacts on the surrounding floodplain. Alternative #3 would be installed beneath the creek bed of Van Brunt Creek and would have minor, temporary impacts to the floodplain.

4.8 Wild and Scenic Rivers

The National Park Service's National Wild and Scenic Rivers Systems was used to assess the presence of wild and scenic rivers within the project area. There are no federally-designated Wild and Scenic Rivers within the project area.

4.9 Terrestrial Resources

According to the Pennsylvania Game Commission, the principal species of game in Lackawanna County are white-tailed deer, turkey, and a variety of small mammals, including squirrel and rabbit (Pennsylvania Game Commission, 2019). The project area is adjacent to wooded areas as well as residential and commercial lots. Due to the proximity to borough and state roads, the vegetation within the project area is predominantly grass and shrubs.

The construction of the proposed action or Alternative #3 would be limited to existing ROW and would have short-term, minor impacts to wildlife. Temporary displacement of wildlife may occur during construction, but wildlife is expected to return to the area after construction is complete. Since the work would be conducted in existing ROW and previously disturbed areas, no major, adverse impacts are expected.

4.10 Rare, Threatened and Endangered Species

The USFWS IPaC System website was consulted to identify federally-listed species potentially occurring in the project area. An Endangered Species Act species list was generated on 20 November 2019 (Appendix B) and it identified two species as potentially occurring within the project area: the federally-threatened Northern Long-eared bat (*Myotis septentrionalis*) and the federally-endangered Northeastern Bulrush (*Scirpus ancistrochaetus*).

The northern long-eared bat hibernates in caves and mines during the winter months and swarms in surrounding wooded areas in the autumn. The northern long-eared bat roosts behind loose pieces of bark within cavities and crevices of live and dead trees during the warmer months (USFWS, 2015). No hibernacula occurs within the project area and no trees are expected to be removed during construction of the proposed action. If the alignment for Alternative #3 transverses the forested wetland mapped along Gardner Road, a survey would need to be conducted to determine if suitable trees for use by the northern long-eared bat are present.

The Northeastern Bulrush is found in open, tall, herb-dominated wetlands, often growing at the water's edge or in a few centimeters of water (NatureServe, 2019). The proposed action would be conducted within existing ROWs; therefore, no impacts to the Northeastern Bulrush are expected. If the alignment for Alternative #3 transverses the forested wetland mapped along Gardner Road, a survey would need to be conducted to determine if the Northeastern Bulrush is present.

A PNDI report was generated for the proposed project on 21 November 2019. The PNDI report indicates that no impact is anticipated to threatened and endangered species and/or special concern species and resources. See Appendix B for PNDI report.

4.11 Air Quality

Lackawanna County is listed as being in attainment for all criteria pollutants in the United States Environmental Protection Agency's (USEPA) Green Book National Area and County-Level Multi-Pollutant Information list (USEPA, 2019). Minor, short-term and localized direct impacts to air quality would occur as a result of construction activities that generate exhaust emissions and fugitive dust. Emissions from the proposed action or Alternative #3 would not pose a significant risk to the environment or the health of workers or the public because they would be minor in quantity and short-term in nature. Emissions from the proposed action and Alternative #3 would cease once construction stops and no new stationary emission sources would be created.

4.12 Noise

Noise levels are measured in decibels (dBA) for regulatory purposes. The threshold of human hearing is 0 dBA, with values above 85-90 dBA considered as loud and as potentially harmful to hearing if given sufficient exposure time. Noise levels above 140 dBA can cause damage to hearing after a single exposure (Occupational Safety and Health Administration). The project area is adjacent to both residential and commercial areas. A common source of noise within the project area includes vehicular traffic.

With the exception of noise generated during construction, there would be no permanent changes to the noise levels in the project area. Due to the relatively close proximity of the project to residential areas and an elementary school, prior notification of the hours/dates of construction would be given and measures to minimize noise, such as equipment mufflers, would be used. The rise in noise levels would be minor and temporary, and primarily during the daylight hours of construction. Protective equipment would be recommended to protect workers from excessive noise levels during construction.

4.13 Cultural Resources

USACE is required by Section 106 of the National Historic Preservation Act and Executive Order 11593, to identify all archaeological resources and historic properties within a project's area of potential effect that are eligible for listing in the National Register of Historic Places, and to assess the project's effect on those properties.

Coordination was initiated with the Pennsylvania Historical and Museum Commission (PHMC) SHPO for the proposed project. ESC Design, Inc. submitted a request to PHMC SHPO on behalf of the MSA, to identify potential cultural resource issues of the proposed project. A PHMC SHPO Project Review Form, dated 17 May 2016, indicated that the project will have no effect on historic properties. The USACE sent a request to the PHMC SHPO to recertify the “no effect determination” by email letter on 04 December 2019, due to length of time since the first one had been obtained. On 04 December 2019, the PHMC SHPO replied via email correspondence indicating that since the footprint of the project has not changed, the “no effect determination” would still apply (Appendix B).

USACE provided information about the project to federally-listed tribes with potential interest in the area by letter. These consultation letters were mailed on 04 December 2019 to Delaware Nation, the Delaware Tribe of Indians, Onondaga Nation, and the Seneca-Cayuga Nation. No response has been received.

4.14 Aesthetics and Recreation

The project area is predominantly residential and/or commercial. An elementary school is located near the eastern end of the project area off of Church Street. The school grounds contain athletic fields, open spaces and a playground. Temporary impacts to aesthetics could occur during construction. However, no permanent aesthetic or recreational impacts from the proposed action or Alternative #3 are anticipated.

4.15 Transportation

Church Street is the major road within the project area with an exit to Highway 380 near the western end. The project is located in a predominantly residential area with some commercial properties. The project area has low traffic conditions. The sanitary sewer line would be installed along Church Street and Gardner Road, which are single lane roads. Short term, minor, adverse impacts to transportation are likely to occur as a result of the sewer line construction. Traffic may be stopped or rerouted during construction. The road rerouting and closing would follow Pennsylvania Department of Transportation regulations. No roads would be allowed to remain closed overnight. Roads, driveways and sidewalks damaged during construction would be properly repaired and replaced as needed.

4.16 Demographic and Socioeconomic Conditions

According to the U.S. Census Bureau, 2017 American Community Survey (ACS) report, there was a population of 1,935 in Moscow Borough. The median age was 48.4 years, with 3% of the population under the age of 5, and 20% over 64 years of age. Minorities comprised 3% of the borough’s population compared with 23% statewide. The median household income was \$69,625 for the Borough of Moscow compared to \$48,380 for Lackawanna County. The low income population rate of 15% for the Borough of Moscow was lower than the state average of 30%.

Lackawanna County has above average high school graduation rates (90.6 percent based on 2017 ACS) and a number of colleges, universities and business schools within its boundaries including Scranton University and Lackawanna College. The Borough of Moscow had a high school graduation rate of 95.9% (2017 ACS).

The social impact of the proposed project is based on the quality of living in regards to having a public sewage system within the project area that does not pose a threat to human health and the environment. Extending the sewage line to cover the project area would improve the quality of the area by replacing the malfunctioning on-lot sewage systems.

Implementation of the proposed action or Alternative #3 would result in improved quality of life for the residents and business owners within the proposed service area.

4.17 Hazardous, Toxic, and Radioactive Substances

Based upon a review of the USEPA Envirofacts database, there are no known sources of hazardous, toxic and radioactive wastes (HTRW) in the proposed project area or within 1,000 feet of the project area. Therefore, no impacts from HTRW are anticipated. If any contamination is discovered, work at the site of the contamination would cease until coordination with PADEP and USACE could occur and appropriate remediation and proper safety measures are implemented.

4.18 Environmental Justice

Executive Order (EO) 12898, Environmental Justice, requires Federal agencies to identify and address, as appropriate, “disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations.” In the Borough of Moscow, minorities comprise 3% of the total population, with 15% of the total population living below the poverty line (American FactFinder). The proposed action or Alternative #3 are not expected to result in disproportionately high and adverse human health or environmental effects on minority or low-income populations and will benefit all populations in the area.

5 CUMULATIVE IMPACTS

A cumulative impact is defined as “the impact on the environment which results from the incremental impact of the action when added to other past, present, or foreseeable future actions regardless of what agency (Federal or non-Federal) or person undertakes such other actions” (40 CFR 1508.7). Evaluations of cumulative impacts include consideration of the proposed action with known past and present actions, as well as reasonably foreseeable future actions.

The MSA completed upgrades in 2008 to expand the WWTP from 0.180 MGD to 0.30 MGD. The WWTP improvement projects, as well as the proposed action, have and will continue to provide benefits to the area by effectively handling and treating sewage within the Borough of Moscow. The proposed action would contribute to the reduction in potential public health issues associated with improperly treated sewage from malfunctioning OLDS. No known projects

contributing directly to population or economic growth are in construction at this time; however, the proposed action or Alternative #3 could encourage additional development of undeveloped or under developed parcels within the service area. Current and future residents in the Borough of Moscow would benefit from the extension of the sewer line via improved water quality, reductions in public health risks, and increased capacity for community and economic growth. Therefore, cumulatively, these projects could interact to have a beneficial impact to the human environment from the creation of safer sewage collection, conveyance and treatment.

6 SUMMARY

Table 6.1 summarizes the level of compliance of the proposed action with environmental protection statutes and other environmental regulations.

Based on the evaluation of environmental effects described in Section 4, there are no significant impacts from the proposed action, and a Finding of No Significant Impact (FONSI) has been prepared.

Table 6.1 : Compliance of the Proposed Action with Environmental Protection Statutes and Other Environmental Requirements	
Federal Statutes, Executive Orders (EOs), and Memoranda	Level of Compliance
Archeological and Historic Preservation Act	Full
Clean Air Act	Full
Clean Water Act	Full
Coastal Barrier Resources Act	N/A
Coastal Zone Management Act	N/A
Comprehensive Environmental Response, Compensation and Liability Act	Full
Endangered Species Act	Full
Federal Water Project Recreation Act	N/A
Fish and Wildlife Coordination Act	Full
Magnuson-Stevens Act	N/A
National Historic Preservation Act	Full
National Environmental Policy Act	Full
Resource Conservation and Recovery Act	Full
River and Harbors Act	N/A
Watershed Protection and Flood Prevention Act	Full
Wild and Scenic Rivers Act	N/A
Floodplain Management (EO 11988)	Full
Protection of Wetlands (EO 11990)	Full
Prime and Unique Farmlands (Memorandum, Council on Environmental Quality, 11 August 1980)	Full
Environmental Justice in Minority and Low-Income Populations (EO 12898)	Full

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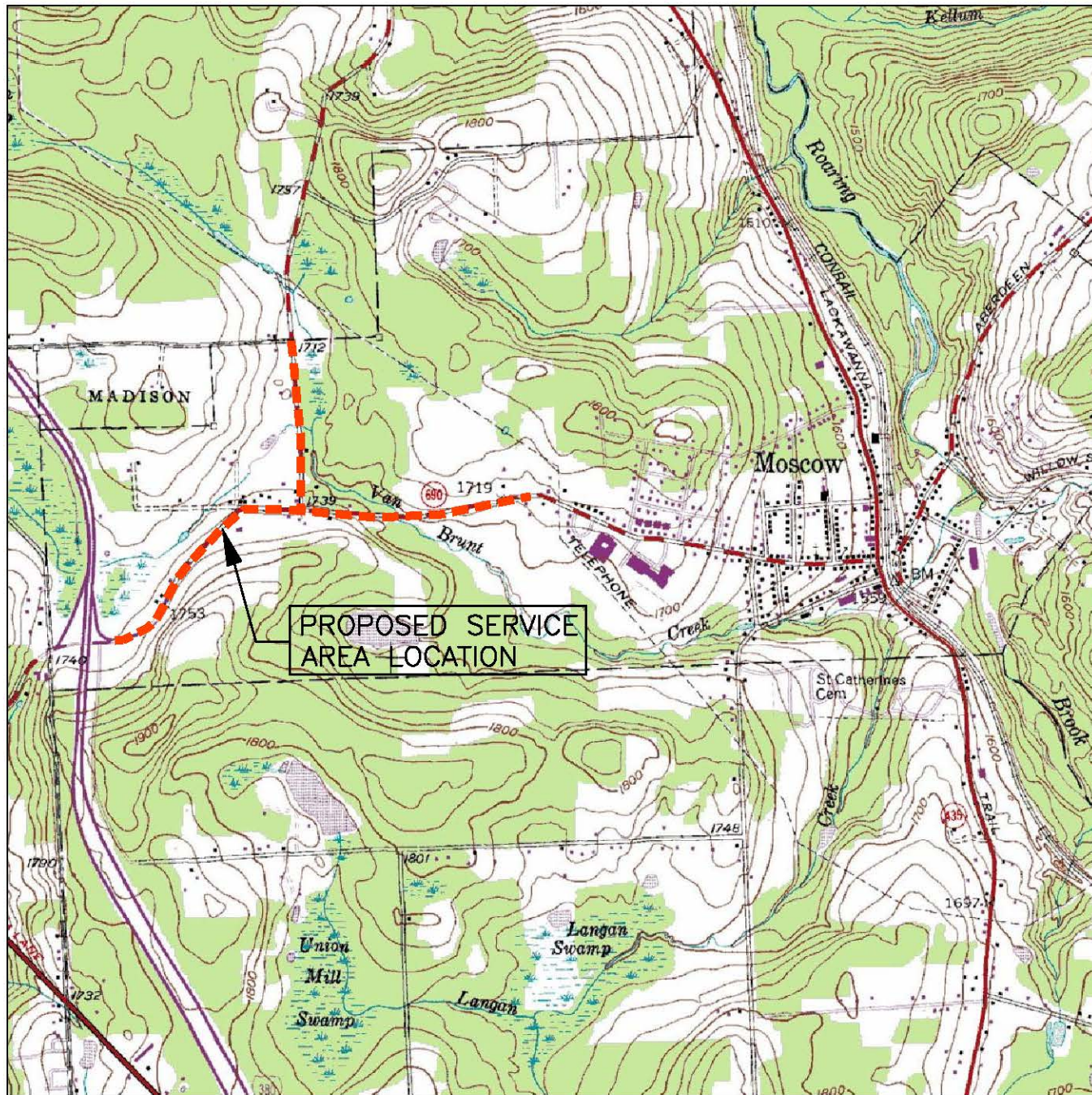
USFWS (2015). Northern Long-Eared Bat (*Myotis septentrionalis*) Factsheet.

<https://www.fws.gov/midwest/endangered/mammals/nleb/nlebFactSheet.html>

Appendix A

Figures

FIGURE 1
Project Location Map



PROPOSED SERVICE AREA PLAN

Designed: MLB
Drawn: KJS
Checked: MLB
Date: XX-XX-XX
Project Number:
Scale: 1"=2000'
Drawing No. C-1

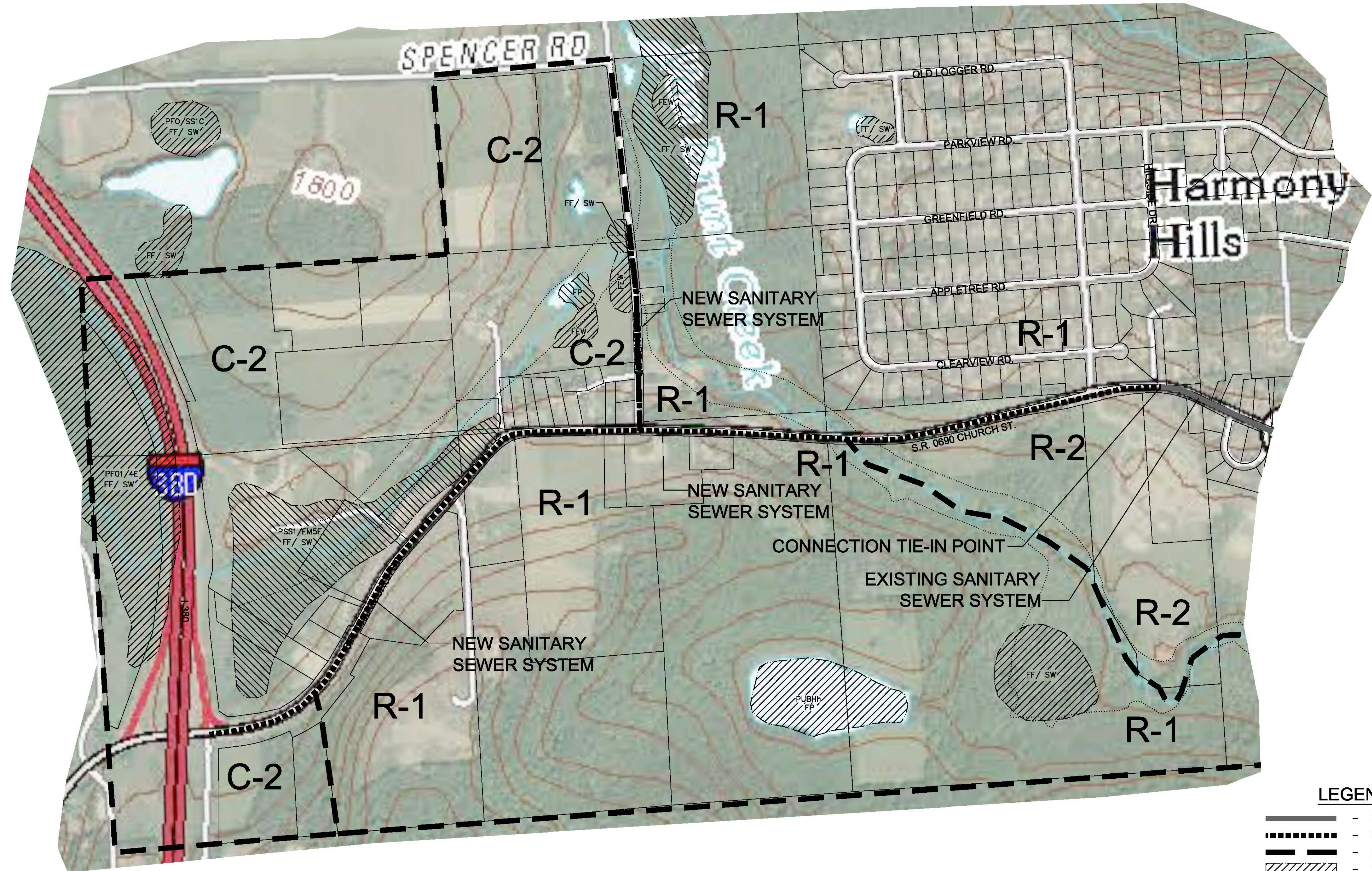
MOSCOW SEWER
AUTHORITY
MOSCOW BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA

PROPOSED SERVICE AREA
PLAN

E Engineering Surveying Consultants
& Design, Inc.
PO Box 308 Moscow, PA 18444
707 Gardner Road Elmhurst, PA
Bellafaro Professional Building

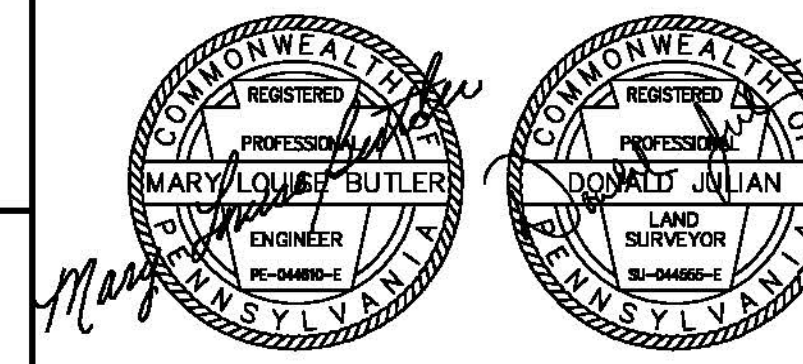
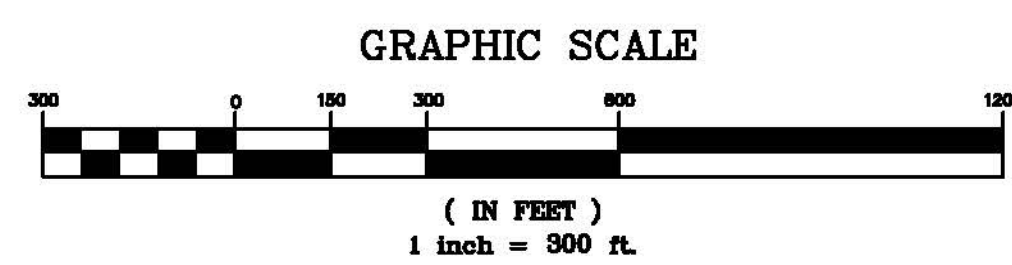
SC Design
570-237-6254 570-650-8941
www.escdesigninc.com

FIGURE 2
Sewer Extension Plot Plan



LEGEND

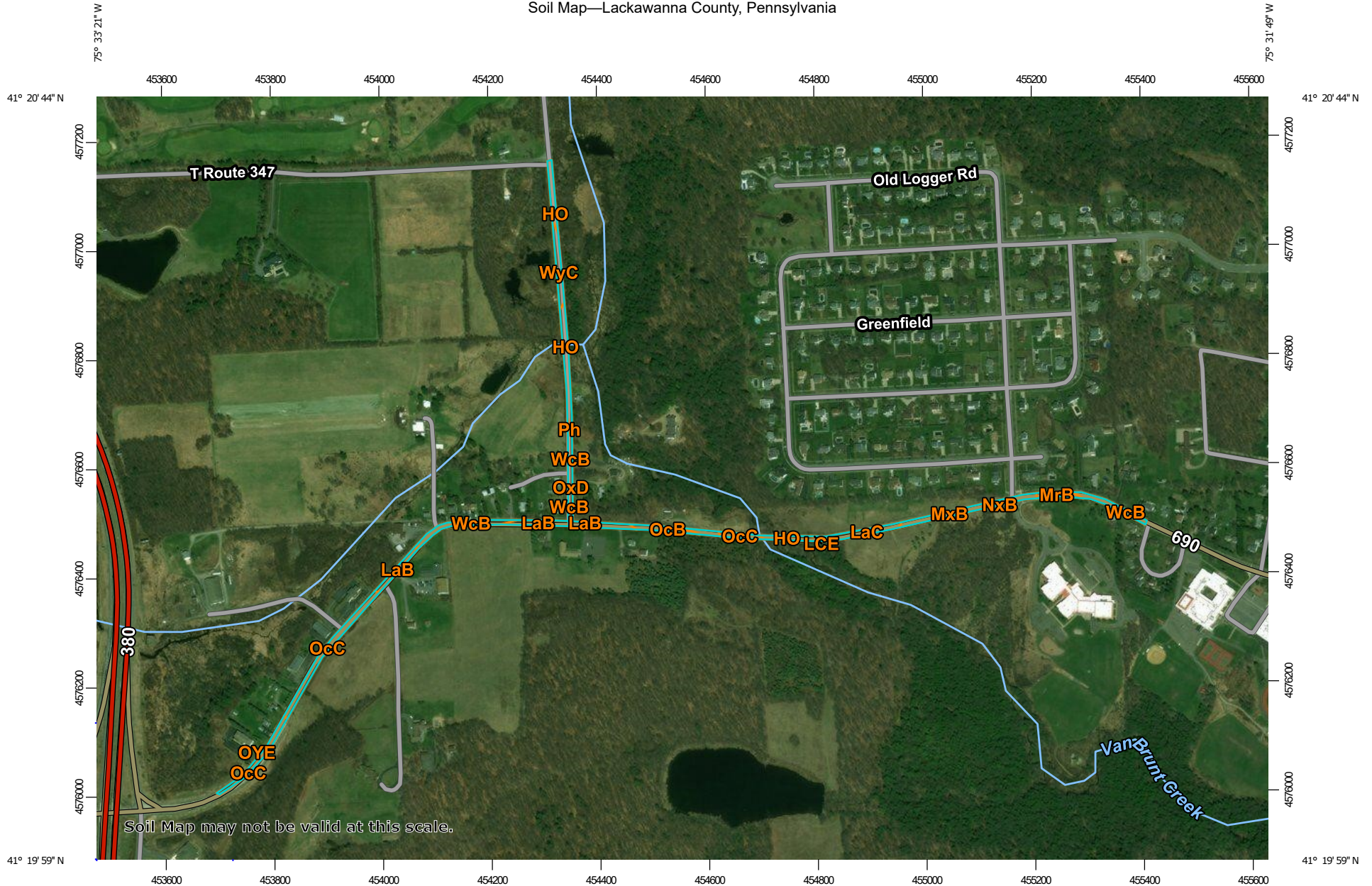
- EXISTING SANITARY SEWER MAIN
 - PROPOSED SANITARY SEWER EXTENSION
 - ZONING BOUNDARY LINE
 - WETLAND BOUNDARY
 - 100 YEAR FLOOD BOUNDARY
- WETLAND LEGEND**
- FP - FRESHWATER POND
 - FF / SW - FRESHWATER FORESTED / SHRUB WETLAND
 - FEW - FRESHWATER EMERGENT WETLAND



REVISIONS		
Date	Description	Approved

FIGURE 3

Soil Map—Lackawanna County, Pennsylvania



Map Scale: 1:9,860 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84




FIGURE 4

Soil Map Legend

Soil Map—Lackawanna County, Pennsylvania


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lackawanna County, Pennsylvania

Survey Area Data: Version 15, Sep 17, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 20, 2010—Jul 7, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

FIGURE 5

Soil Map Unit Legend

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
HO	Holly silt loam, ponded	0.9	17.0%
LaB	Lackawanna channery loam, 3 to 8 percent slopes	0.8	14.2%
LaC	Lackawanna channery loam, 8 to 15 percent slopes	0.4	6.5%
LCE	Lackawanna and Bath soils, steep, rubbly	0.0	0.0%
MrB	Morris channery loam, 3 to 8 percent slopes	0.2	3.1%
MxB	Morris channery loam, 0 to 8 percent slopes, rubbly	0.6	10.2%
NxB	Norwich and Chippewa channery silt loams, 0 to 8 percent slopes, rubbly	0.0	0.0%
OcB	Oquaga channery loam, 3 to 8 percent slopes	0.3	5.4%
OcC	Oquaga channery loam, 8 to 15 percent slopes	0.8	13.8%
OxD	Oquaga channery loam, 8 to 25 percent slopes, rubbly	0.1	1.4%
OYE	Oquaga and Lordstown extremely stony loams, steep	0.4	6.7%
Ph	Philo silt loam	0.0	0.3%
WcB	Wellsboro channery loam, 3 to 8 percent slopes	0.8	15.3%
WyC	Wyoming gravelly sandy loam, 8 to 15 percent slopes	0.3	5.9%
Totals for Area of Interest		5.5	100.0%

Appendix B

Agency Coordination

1. PROJECT INFORMATION

Project Name: **Moscow Sewer Authority Church Street Sanitary Sewer Extension**

Date of Review: **11/21/2019 10:40:59 AM**

Project Category: **Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewer line (new - construction in new location)**

Project Area: **5.49 acres**

County(s): **Lackawanna**

Township/Municipality(s): **MOSCOW**

ZIP Code: **18444**

Quadrangle Name(s): **MOSCOW**

Watersheds HUC 8: **Upper Susquehanna-Lackawanna**

Watersheds HUC 12: **Roaring Brook**

Decimal Degrees: **41.338509, -75.542824**

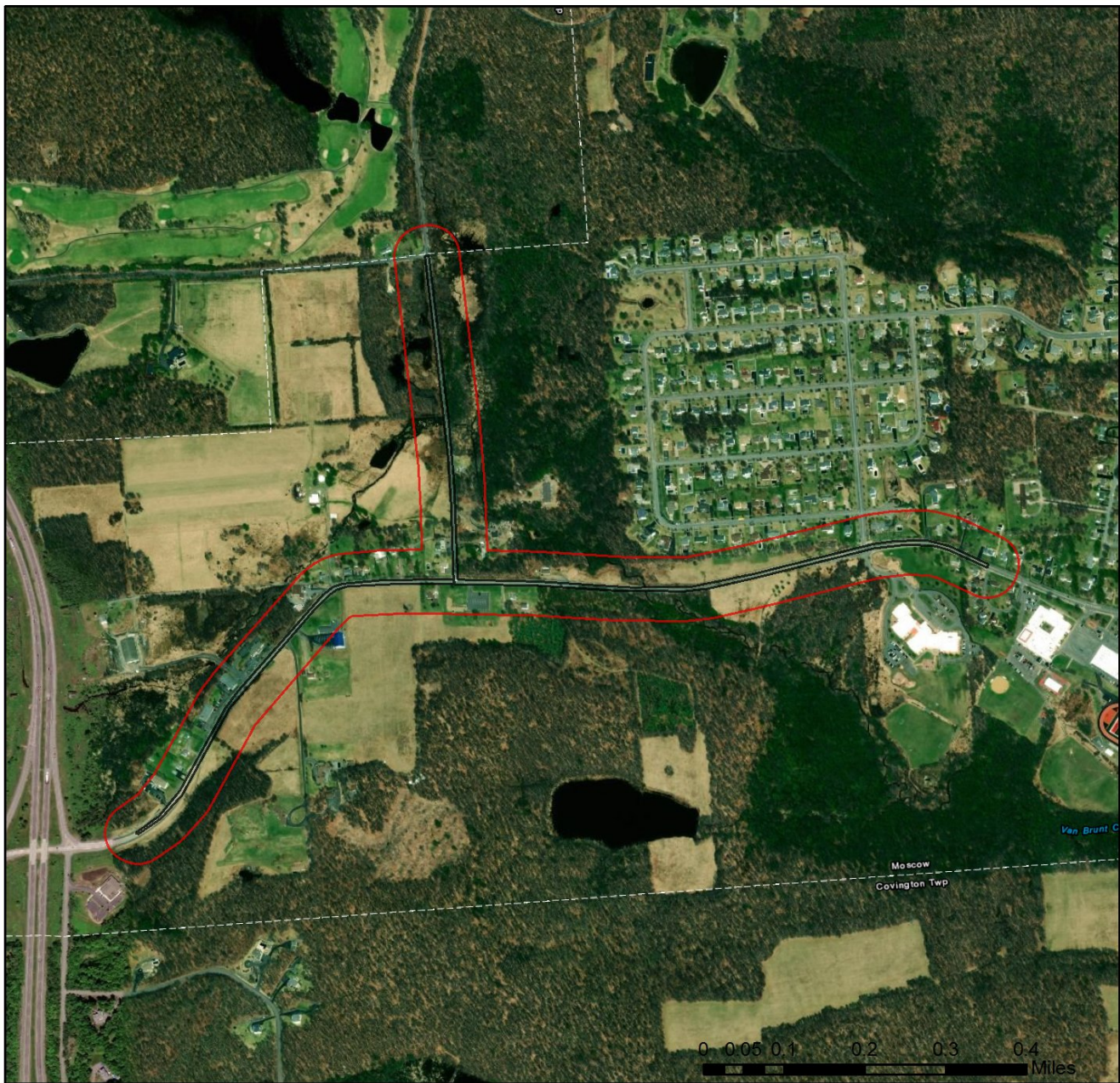
Degrees Minutes Seconds: **41° 20' 18.6318" N, 75° 32' 34.1652" W**

2. SEARCH RESULTS

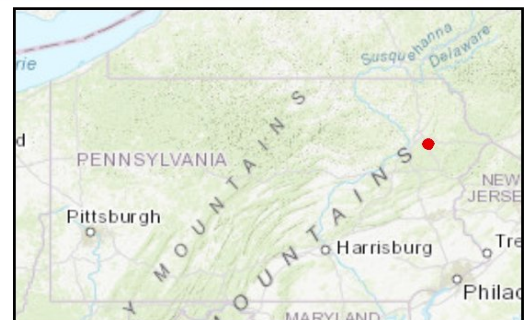
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No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

Moscow Sewer Authority Church Street Sanitary Sewer Extension

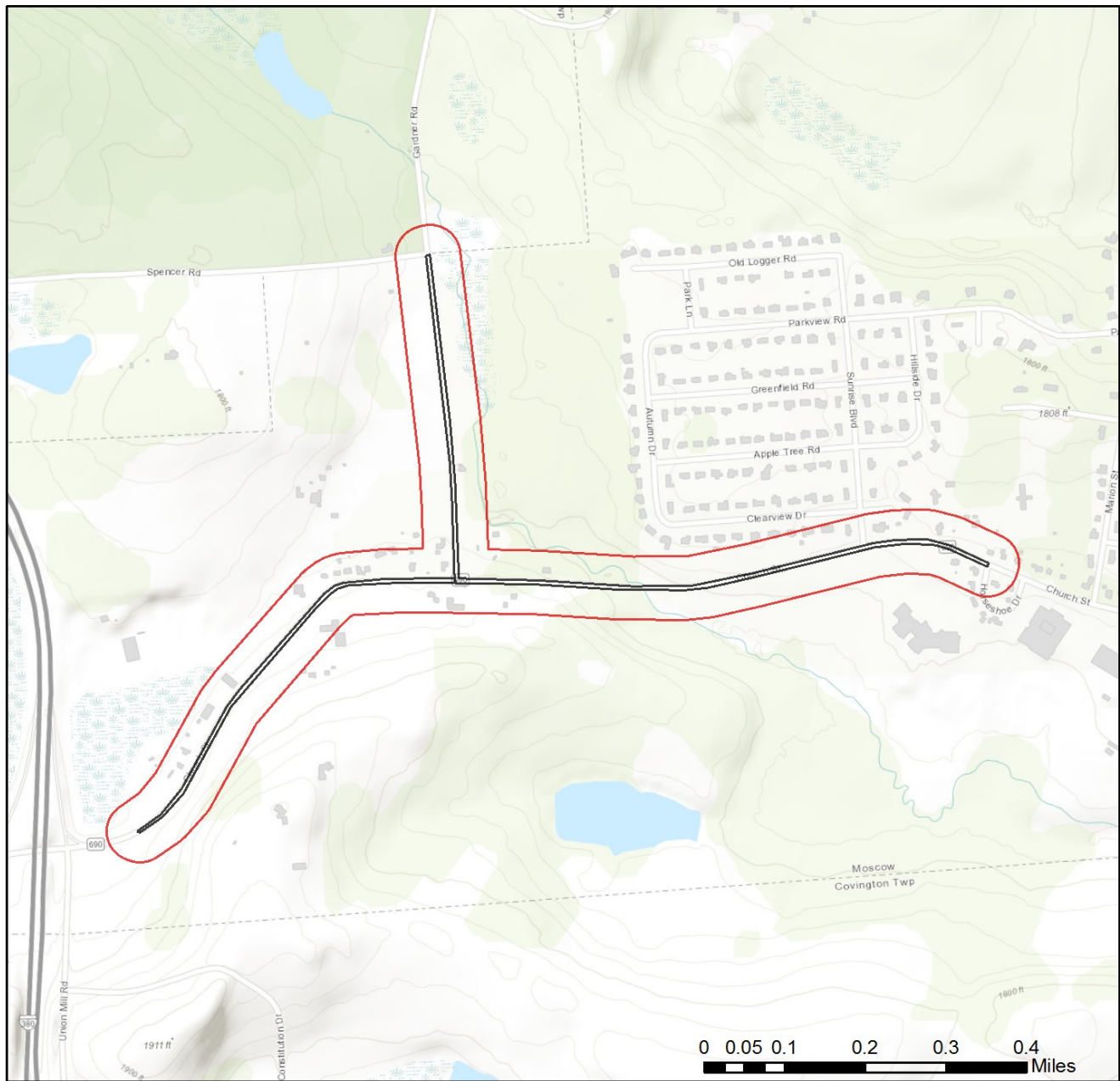




- Project Boundary
- Buffered Project Boundary



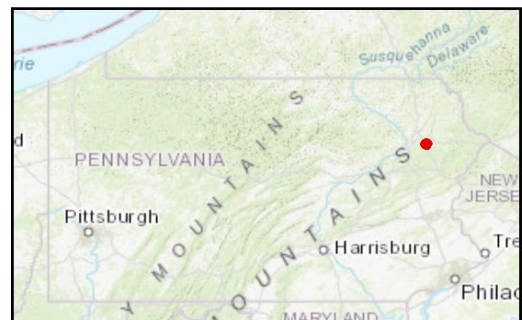
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Moscow Sewer Authority Church Street Sanitary Sewer Extension



-  Project Boundary
-  Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,



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

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission

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

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
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



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) 234-4090 Fax: (814) 234-0748
<http://www.fws.gov/northeast/pafo/>

In Reply Refer To:

November 20, 2019

Consultation Code: 05E2PA00-2020-SLI-0221

Event Code: 05E2PA00-2020-E-01082

Project Name: Moscow Sewer Authority Church Street Sanitary Sewer Expansion

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

Any activity proposed on National Wildlife Refuge lands must undergo a "Compatibility Determination" conducted by the Refuge. Please contact the individual Refuge to discuss any questions or concerns.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
 - USFWS National Wildlife Refuges and Fish Hatcheries
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Pennsylvania Ecological Services Field Office

110 Radnor Road Suite 101

State College, PA 16801-7987

(814) 234-4090

Project Summary

Consultation Code: 05E2PA00-2020-SLI-0221

Event Code: 05E2PA00-2020-E-01082

Project Name: Moscow Sewer Authority Church Street Sanitary Sewer Expansion

Project Type: WASTEWATER PIPELINE

Project Description: The proposed Moscow Sewer Authority Church Street Sanitary Sewer would connect to the existing Moscow Borough Central Sanitary Sewer System at its current terminus, which is a sanitary sewer manhole near the Moscow Elementary School on Church Street. The proposed sanitary sewer would be approximately 6,000 feet from the manhole connection west to the Moscow Borough line. The conceptual design submitted by the Moscow Sewer Authority consists of 1-1/2" to 4" diameter low pressure mains located along existing State and Borough Road right-of-ways.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/41.34150670300005N75.54571753421291W>



Counties: Lackawanna, PA

Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Flowering Plants

NAME	STATUS
Northeastern Bulrush <i>Scirpus ancistrochaetus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6715	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.



Pennsylvania Historical & Museum Commission

PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on State and Federal Undertakings

SHPO USE ONLY	
DATE RECEIVED:	5/13/16
ER NUMBER:	2016-1310-069-A

REV: 10/2014

SECTION A: PROJECT NAME & LOCATION

Is this a new submittal? YES NO OR This is additional information for ER Number:

Project Name Moscow SA Church St Sanitary Sewer Extension County Lackawanna Municipality Moscow Borough

Project Address Church Street (S.R. 690) City/State/Zip Moscow, PA 18444

SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name Mary Louise Butler, PE, Authority Engineer Phone (670) 237-5254

Company ESC Design, Inc. Fax

Street/PO Box P.O. Box 308 Email mlbutler@escdesigninc.com

City/State/Zip Moscow, PA 18444

SECTION C: PROJECT DESCRIPTION

This project is located on: Federal property State property Municipal property Private property

(check all that apply)

List all federal and state agencies and programs providing funds, permits, licenses.	Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)
	State	PADOT Highway Occupancy Permit	
	State	PA DEP Part II Permit	

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project Includes (check all that apply): Construction Demolition Rehabilitation Disposition

Total acres of project area: 1 Total acres of earth disturbance: 0.7

Are there any buildings or structures within the project area? Yes No Approximate age of buildings: 50 +/-

Does this project involve properties listed in or eligible for the National Register of Historic Places, or designated as historic by a local government?	Yes	No	Unsure	Name of historic property or historic districts
	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	

Please print and mail completed form and all attachments to:

PHMC
State Historic Preservation Office
400 North St.
Commonwealth Keystone Building, 2nd Floor
Harrisburg, PA 17120-0093

Attachments – Please include the following information with this form

- Map – 7.5' USGS quad showing project boundary and Area of Potential Effect
- Description/Scope – Describe the project, including any ground disturbance and previous land use
- Site Plans/Drawings – Indicate the location and age, if known, of all buildings in the project area
- Photographs – Attach prints or digital photographs showing the project site, including images of all buildings and structures keyed to a site plan

SHPO DETERMINATION (SHPO USE ONLY)

There are NO HISTORIC PROPERTIES in the Area of Potential Effect

The project will have NO EFFECT on historic properties

The project will have NO ADVERSE EFFECTS on historic properties:

The project will have NO ADVERSE EFFECTS WITH CONDITIONS (see attached)

SHPO REQUESTS ADDITIONAL INFORMATION (see attached)

SHPO REVIEWER: MD fr DATE: MAY 17, 2016

Douglas McLEAREN



Pennsylvania
Historical & Museum
Commission

PROJECT REVIEW FORM

Request to Initiate SHPO Consultation on State and Federal Undertakings

SHPO USE ONLY
DATE RECEIVED:
ER NUMBER:

REV: 10/2014

SECTION A: PROJECT NAME & LOCATION

Is this a new submittal? YES NO OR This is additional information for ER Number:

Project Name Moscow SA Church St Sanitary Sewer Extension County Lackawanna Municipality Moscow Borough

Project Address Church Street (S.R. 690) City/State/ Zip Moscow, PA 18444

SECTION B: CONTACT INFORMATION & MAILING ADDRESS

Name Mary Louise Butler, PE, Authority Engineer Phone (570) 237-5254

Company ESC Design, Inc. Fax

Street/PO Box P.O. Box 308 Email mlbutler@escdesigninc.com

City/State/Zip Moscow, PA 18444

SECTION C: PROJECT DESCRIPTION

This project is located on: Federal property State property Municipal property Private property
(check all that apply)

List all federal and state agencies and programs providing funds, permits, licenses.	Agency Type	Agency/Program/Permit Name	Project/Permit/Tracking Number (if applicable)
	State	PADOT Highway Occupancy Permit	
	State	PA DEP Part II Permit	

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project includes (check all that apply): Construction Demolition Rehabilitation Disposition

Total acres of project area: 1 Total acres of earth disturbance: 0.7

Are there any buildings or structures within the project area? Yes No Approximate age of buildings: 50 +/-

Does this project involve properties listed in or eligible for the National Register of Historic Places, or designated as historic by a local government?	Yes <input type="radio"/>	No <input checked="" type="radio"/>	Unsure <input type="radio"/>	Name of historic property or historic districts
---	------------------------------	--	---------------------------------	---

Please print and mail completed form and all attachments to:

PHMC
State Historic Preservation Office
400 North St.
Commonwealth Keystone Building, 2nd Floor
Harrisburg, PA 17120-0093

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The project will have NO ADVERSE EFFECTS on historic properties:

The project will have NO ADVERSE EFFECTS WITH CONDITIONS (see attached)

SHPO REQUESTS ADDITIONAL INFORMATION (see attached)

SHPO REVIEWER: _____ DATE: _____

Ciaramellano Campbell, Vanessa M CIV USARMY (USA)

From: Bean, Ethan A CIV USARMY CENAB (USA)
Sent: Wednesday, December 4, 2019 9:49 AM
To: Ciaramellano Campbell, Vanessa M CIV USARMY (USA)
Cc: Leasure, Charles W CIV USARMY CENAB (USA)
Subject: FW: [External] FW: Project Inquiry - ER No. 2016-1310-069-A

FYI...response from PA SHPO regarding the Moscow EA.

Ethan

-----Original Message-----

From: McLearn, Douglas C [mailto:dmclearen@pa.gov]
Sent: Wednesday, December 4, 2019 9:43 AM
To: Bean, Ethan A CIV USARMY CENAB (USA) <ETHAN.A.BEAN@usace.army.mil>
Subject: [Non-DoD Source] RE: [External] FW: Project Inquiry - ER No. 2016-1310-069-A

Ethan,

As long as you are sure that the footprint of the undertaking has not been extended or put in a new location, we would strongly prefer not to see it again.

Douglas C. McLearn | Chief, Environmental Review Pennsylvania Historical and Museum Commission State Historic Preservation Office
400 North Street, 2nd Floor | Harrisburg, PA 17120
Phone: 717.772.0925 | Fax: 717.772.0920 Blockedwww.phmc.state.pa.us

The PA SHPO is in the process of developing a new electronic system, PA SHARE, which will allow us to carry out consultation under Section 106 and the State History Code electronically. To better align our current business practices with how consultation will occur under the new electronic system, we will soon require that all submissions to initiate consultation use our Project Review form. Providing the PA SHPO with this form and detailed and accurate project information facilitates the review process and decreases response times. A copy of the form and guidelines for its completion are available on the Forms and Guidance page of the PA SHPO website.

-----Original Message-----

From: Bean, Ethan A CIV USARMY CENAB (USA) <ETHAN.A.BEAN@usace.army.mil>
Sent: Wednesday, December 4, 2019 9:35 AM
To: McLearn, Douglas C <dmclearen@pa.gov>
Subject: [External] FW: Project Inquiry - ER No. 2016-1310-069-A

ATTENTION: This email message is from an external sender. Do not open links or attachments from unknown sources. To report suspicious email, forward the message as an attachment to CWOPA_SPAM@pa.gov.

Hey Doug,

I had previously sent the message below to Casey Hanson, but didn't receive a reply. Do you have any thoughts on my question below?

Thanks,
Ethan

-----Original Message-----

From: Bean, Ethan A CIV USARMY CENAB (USA)
Sent: Wednesday, November 20, 2019 4:10 PM
To: Hanson, Casey <chanson@pa.gov>
Subject: Project Inquiry - ER No. 2016-1310-069-A

Hi Casey,

I have a question about a previous project that was submitted to your office for review. The Moscow, PA Church Street Sanitary Sewer Extension (ER No. 2016-1310-069-A) was sent to PHMC for Section 106 review in May 2016. The attached pdf shows that PHMC determined that there would be no effect on historic properties.

The sewer extension actually never happened during that time, but they are now trying to complete the project. To my knowledge, the project designs are in the same footprint/configuration as they were in 2016. My question is if PHMC would still concur with the previous no effects determination for this project, or should a new project review form be completed and section 106 review be re-initiated?

Thanks, and I look forward to hearing from you, Ethan

Ethan A. Bean
Archaeologist
U.S. Army Corps of Engineers
Baltimore District
(410) 962-2173



**DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201**

Deborah Dotson
President, Delaware Nation
P.O. Box 825
Anadarko, OK 73005

Dear Ms. Dotson:

The purpose of this letter is to initiate consultation with your office in accordance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations at 36 CFR Part 800, regarding a U.S. Army Corps of Engineers (USACE) Section 219 authorization request to extend an existing sanitary sewer in Moscow Borough, Lackawanna County, Pennsylvania. The Moscow Sewer Authority is proposing to extend the Central Sanitary Sewer line approximately 6,000 feet along Church Street (State Route 690), Gardner Road, and Rear Church Street (Enclosure 1). The proposed extension will consist of low pressure mains located along existing State and Borough Road right-of-ways, ranging in size from 1-1/2" to 4" in diameter. The purpose of the sewer extension would be to service the existing residential and commercial residents of Moscow Borough.

The project's area of potential affect (APE) is defined as the area where the sewer is to be extended. An examination of the APE was completed using the Pennsylvania Historical and Museum Commission's (PHMC) Cultural Resources Geographic Information System (CRGIS). The CRGIS indicated that no historic properties have been documented within the APE. Due to previous road construction along the APE, the proposed sewer extension will be placed in previously disturbed areas and will have no effect on historic properties.

Please let us know if you are interested in consulting on this project on a Government-to-Government basis, and the extent to which you wish to participate. We will provide a USACE representative at any consultation meetings, and we will fully consider any information you wish to provide.

Thank you for your assistance with this project. We respectfully request your response within 30 days of the receipt of this letter. If you have any questions about the project, please contact Ethan A. Bean at (410) 962-2173 or ethan.a.bean@usace.army.mil.

Sincerely,

A handwritten signature in blue ink, appearing to read "Daniel M. Bierly".

Daniel M. Bierly, P.E.
Chief, Civil Project Development Branch
Planning Division

Enclosure



**DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201**

Susan Bachor
Preservation Representative
Delaware Tribe of Indians
P.O. Box 64
Pocono Lake, PA 18347

Dear Ms. Bachor:

The purpose of this letter is to initiate consultation with your office in accordance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations at 36 CFR Part 800, regarding a U.S. Army Corps of Engineers (USACE) Section 219 authorization request to extend an existing sanitary sewer in Moscow Borough, Lackawanna County, Pennsylvania. The Moscow Sewer Authority is proposing to extend the Central Sanitary Sewer line approximately 6,000 feet along Church Street (State Route 690), Gardner Road, and Rear Church Street (Enclosure 1). The proposed extension will consist of low pressure mains located along existing State and Borough Road right-of-ways, ranging in size from 1-1/2" to 4" in diameter. The purpose of the sewer extension would be to service the existing residential and commercial residents of Moscow Borough.

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Sincerely,

A handwritten signature in blue ink, appearing to read "Dan Bierly", is positioned above the typed name.

Daniel M. Bierly, P.E.
Chief, Civil Project Development Branch
Planning Division

Enclosure



**DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201**

Chief Irving Powless
Onondaga Nation
3951 Route 11
Nedrow, NY 13120

Dear Chief Powless:

The purpose of this letter is to initiate consultation with your office in accordance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations at 36 CFR Part 800, regarding a U.S. Army Corps of Engineers (USACE) Section 219 authorization request to extend an existing sanitary sewer in Moscow Borough, Lackawanna County, Pennsylvania. The Moscow Sewer Authority is proposing to extend the Central Sanitary Sewer line approximately 6,000 feet along Church Street (State Route 690), Gardner Road, and Rear Church Street (Enclosure 1). The proposed extension will consist of low pressure mains located along existing State and Borough Road right-of-ways, ranging in size from 1-1/2" to 4" in diameter. The purpose of the sewer extension would be to service the existing residential and commercial residents of Moscow Borough.

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Thank you for your assistance with this project. We respectfully request your response within 30 days of the receipt of this letter. If you have any questions about the project, please contact Ethan A. Bean at (410) 962-2173 or ethan.a.bean@usace.army.mil.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. Bierly", is positioned above the typed name.

Daniel M. Bierly, P.E.
Chief, Civil Project Development Branch
Planning Division

Enclosure



**DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, BALTIMORE DISTRICT
2 HOPKINS PLAZA
BALTIMORE, MD 21201**

Chief William Fisher
Seneca-Cayuga Nation
P.O. Box 453220
Grove, OK 74344

Dear Chief Fisher:

The purpose of this letter is to initiate consultation with your office in accordance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations at 36 CFR Part 800, regarding a U.S. Army Corps of Engineers (USACE) Section 219 authorization request to extend an existing sanitary sewer in Moscow Borough, Lackawanna County, Pennsylvania. The Moscow Sewer Authority is proposing to extend the Central Sanitary Sewer line approximately 6,000 feet along Church Street (State Route 690), Gardner Road, and Rear Church Street (Enclosure 1). The proposed extension will consist of low pressure mains located along existing State and Borough Road right-of-ways, ranging in size from 1-1/2" to 4" in diameter. The purpose of the sewer extension would be to service the existing residential and commercial residents of Moscow Borough.

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Thank you for your assistance with this project. We respectfully request your response within 30 days of the receipt of this letter. If you have any questions about the project, please contact Ethan A. Bean at (410) 962-2173 or ethan.a.bean@usace.army.mil.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. Bierly", is positioned above the typed name.

Daniel M. Bierly, P.E.
Chief, Civil Project Development Branch
Planning Division

Enclosure