



ESSEX COUNTY OFFICE OF COMMUNITY RESOURCES

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Telephone (518) 873-3426 · Fax (518) 873-3751

Anna Reynolds
Director

Rob Wick
Project Manager

TO: All Bidders

FROM: Rob Wick, PMP Project Manager

DATE: June 15, 2020

SUBJECT: Addendum #1 Moriah Port Henry Water & Sewer Utility Replacement Phase II RFP

1. Answers to questions posed via emails:

- a. Respondents to provide quote for RPR services at an assumed period of 12 weeks / 8 hrs a day / 5 days a week to ensure all proposals are meeting the same assumed duration of construction administration & RPR services. **ACTUAL CONSTRUCTION DURATION MAY VARY.**
- b. For details regarding the proposals for replacement in kind, slip lining, etc. to be detailed in the Project Mgmt Plan & Project Approach, respondents are encouraged to review the enclosed preliminary engineering report that was used to gain funding for the Phase 1 project, attached hereto as addendum to Appendix B.

2. Due date for proposals has been extended to June 26th, 2020 @ 2:00 pm.

END OF ADDENDUM # 1

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C. Main Proposal

The purpose of the proposal is to demonstrate the qualifications, competence and capacity of the Respondents in conformity with the requirements of this RFP. As such, the substance of proposals will carry more weight than their form or manner of presentation. The proposal should demonstrate the qualifications of the firm and of the particular staff to be assigned to this project. It should also specify an approach that will meet the request for proposals requirements.

The proposal should address all the points outlined in the request for proposals. The proposal should be prepared simply and economically, providing a straightforward, concise description of the proposer's capabilities to satisfy the requirements of the request for proposals. While additional data may be presented, the following items must be included; this represents the criteria against which the proposal will be evaluated.

1. **Qualifications Proposal:** Provide a synopsis of the years of experience and detailed qualifications in performing the range of municipal drinking water wells on various project types in compliance with applicable standards, including team's resumes. Respondents should provide narrative examples of a minimum of three (3) projects in detail that are similar in nature to projects described in the RFP (see "References"). References for similar projects and portfolio vignettes will be reviewed to evaluate the level of experience.
2. **Technical Proposal:**
 - a. **Project Management Plan:** Discuss approach to the project in terms of understanding of the established Scope and Deliverables execution, with regard to any constraints identified in this RFP, to include funding requirements. Provide a plan for engaging the Town's project team and regulatory agencies required. Provide the number of full-time and part-time employees, partnerships or subconsultants proposed and their value to the project.
 - b. **Schedule:** Capacity to complete the scope of work within the defined period of performance: May 2020 – December 2021. The successful Respondent will have a detailed project schedule & work plan to illustrate the ability complete the work with respect to constraints, either stated or assumed. The Schedule Proposal must include a Gantt chart to illustrate your proposed schedule.
 - c. **Funding Agency Experience:** Respondents should state whether they are an DBE/MBE/WBE or Section 3 business enterprise; if so, provide a copy of a current DBE/MBE/WBE certification letter. Respondents may also cite previous project experience in working with DBE firms, cite any existing partnerships with DBEs or cite the planned DBE partnerships relevant to addressing requirements of this project & RFP. If Respondents are planning to cite proposed DBE partnerships for this project (e.g., no existing contract vehicle), please provide contact information for reference checks with the appropriate point of contact for validation.
3. **Cost Proposal:**
 - a. Cost will not be the primary factor in the selection of firm. The proposed price will be graded based upon the following formula:
 - Average Bid / Your Price = X (whereby X cannot exceed 100%)
 - X * 20 points = Points awarded based on cost

- b. This should include the lump sum/unit rates for different Tasks, per the table provided in **Appendix K, “Deliverables Table”**. Respondents should include a description of the costs and detail proposals for *cost savings* in their Proposal. Labor cost estimates will include payments of prevailing wage rates as determined by the NYS Department of Labor and Industries as applicable (such as Survey work for example).

SELECTION PROCESS

The Selection Committee comprised of the Town and resources from Essex County staff will review qualifications in accordance with the evaluation criteria set forth herein. Proposals that are submitted timely and comply with the mandatory requirements of the RFP will be evaluated in accordance with the terms of the RFP. Any professional services contracts resulting from this RFP will not necessarily be awarded to the Respondent with the lowest price. Instead, professional services shall be awarded to vendor whose proposal received the most points in accordance with criteria set forth in RFP.

EVALUATION CRITERIA AND SCORING

In evaluating responses to this Request for Proposal, the Town will take into consideration the experience, capacity, and costs that are being proposed by the Respondent. The following Evaluation Criteria will be considered in reviewing submittals:

The point system is to evaluate the experience and capacity of the Respondent. Maximum is 100 Points:

- Respondents will be awarded up to **10 Points** for **Completeness of Response**.

- Respondents will be awarded up to **35 Points** for **Qualifications Proposal**.
 - *Related Project Experience:* **20 Points**
 - *Public Funding Experience:* **15 Points**

- Respondents will be awarded up to **35 Points** for the **Technical Proposal**:
 - *Project Management Plan:* **20 Points**
 - *Schedule:* **15 Points**

- Respondents will be awarded up to **20 Points** for **Cost Proposal**.

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**1st, 2nd, 3rd Lane Water & Sewer Improvement
Project Summary of Work**

For the

**Town of Moriah – Phase I
Office of Community Renewal
Community Development Block Grant Application**

Prepared for:

**Town of Moriah
38 Park Place
Port Henry, NY 12974**

June 27, 2018



Warrensburg, NY: 3909 Main Street, Warrensburg, NY 12885. (P) 518.623.5500
Oneonta, NY: 8-12 Dietz Street, Suite 302, Oneonta, NY 13820. (P) 607.441.3246

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Figure 2: Broken Clay Sanitary Sewer Pipe 2

Figure 3: Failing Clay Sanitary Sewer Pipe

Figure 4: Joint Offset in Sanitary Sewer Pipe

Figure 5: Water Main in Same Trench as Sanitary Sewer Not Meeting Design Standards

Figure 6: Water Main Valve Located in Close Proximity to Sanitary Sewer Manhole and Main

Appendices

Appendix A: Existing Site Plan

Appendix B: Proposed Phase I Schematic Plan

Appendix C: Phase I Project Estimate

Appendix D: Full Project Estimate

Appendix E: NRCS Web Soil Survey Maps

1.0 Project Description

The proposed project is located in the former Village of Port Henry in the Town of Moriah, NY. As shown in **Appendix A**, the Existing Site Plan, the project consists of water and sewer improvements in the Town including College Street, 1st Lane, Oak Lane, 2nd Lane, Ridge Lane, and 3rd Lane. The project consists of $\pm 3,000$ linear feet of water main replacement, and $\pm 2,800$ linear feet of sanitary sewer main replacement and rehabilitation. The existing water and sewer infrastructure in the area is antiquated and in need of replacement and/or rehabilitation. Reported issues in the area include, but are not limited to, water quality, fire flow demands, adequate frost depth of water mains, and sewer and water systems not meeting current design and regulatory standards.

The purpose of this summary of work report is to provide the project information required to supplement the Office of Community Renewal (OCR) Community Development Block Grant (CDBG) application. The grant would be used to fund the proposed Phase I design and construction as shown in Appendix B for the water and sewer improvements along Oak Lane, Ridge Lane, and a section of sewer between 1st Street and Elizabeth Street. The Town would utilize the funding to make necessary water and sewer infrastructure improvements to the project area that are critical for the Town of Moriah residents.

2.0 Existing Water and Sanitary Sewer Utilities

The existing sanitary sewer system in the project area reportedly consists of sewer mains ranging in sizes from four-inch to eight-inch nominal diameters. Much of the piping consists of antiquated vitrified clay piping with orangeburg pipe laterals. Orangeburg pipe is a coal tar-impregnated wood fibre composite that can be subject to collapse or cave-ins over time. The sanitary sewer in the project area generally flows southeasterly down the sewer main located to the east of Ridge and Oak Lane, or down Elizabeth Street, eventually leading to the Town's wastewater treatment facility.

See Figures 1 through 4 below, provided from the Town during a sewer camera inspection completed on Tuesday, July 10, 2018. The camera inspection was completed within the proposed project area detailing the existing conditions of the clay piping within the sanitary sewer system.



Figure 1: Broken Clay Sanitary Sewer Pipe 1



Figure 2: Broken Clay Sanitary Sewer Pipe 2



Figure 3: Failing Clay Sanitary Sewer Pipe



Figure 4: Joint Offset in Sanitary Sewer Pipe

The existing water distribution system consists of water mains ranging in sizes up to eight-inch diameter. Much of the area has been observed to not meet current design standards as shown in Figures 5 and 6 below. Potable water mains and sanitary sewers should be at located at least ten-

feet horizontally from each other, which is not the case for much of the project area. There have been water main breaks in the project area due to the systems age and inadequate frost depth in certain locations.



Figure 5: Water Main in Same Trench as Sanitary Sewer Not Meeting Design Standards



Figure 6: Water Main Valve Located in Close Proximity to Sanitary Sewer Manhole and Main

3.0 Proposed Water and Sanitary Sewer Improvements

The approval of this application for funding to complete essential Phase I water and sewer improvements would provide a great benefit for the Town of Moriah residents in the project area. Water quality could be improved in the area, bringing the system into compliance with current design/regulatory standards. Risks of future sanitary sewer overflows would be greatly reduced in the area, resolving the problems associated with the aging infrastructure.

Project estimates are shown in **Appendix C** for the Phase I project, and in **Appendix D** for the full project estimate. The Phase I project estimate is \$750,000 with the full project estimate (including Phase I) to cost \$2,400,000.

Natural Resources Conservation Service Web Soil Survey results providing soil data and information is attached in **Appendix E** for reference.

APPENDIX A

EXISTING SITE PLAN



1
G-1 **EXISTING SITE PLAN**
SCALE: 1" = 125'

NOTES:

1. THIS DRAWING HAS BEEN GENERATED FROM INFORMATION PROVIDED BY THE TOWN AND AVAILABLE DOCUMENTATION FOR THE PURPOSES OF PREPARING A COMMUNITY DEVELOPMENT BLOCK GRANT APPLICATION TO THE OFFICE OF COMMUNITY RENEWAL.
2. SANITARY SEWER AND WATER MAINS ARE SHOWN IN APPROXIMATE LOCATIONS.
3. WATER SERVICES, VALVES AND SANITARY SEWER LATERALS ARE NOT SHOWN ON THE MAP FOR CLARITY.

**1ST, 2ND, 3RD LANE
EXISTING SITE PLAN**

TOWN OF MORIAH

G-1



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MORIAH

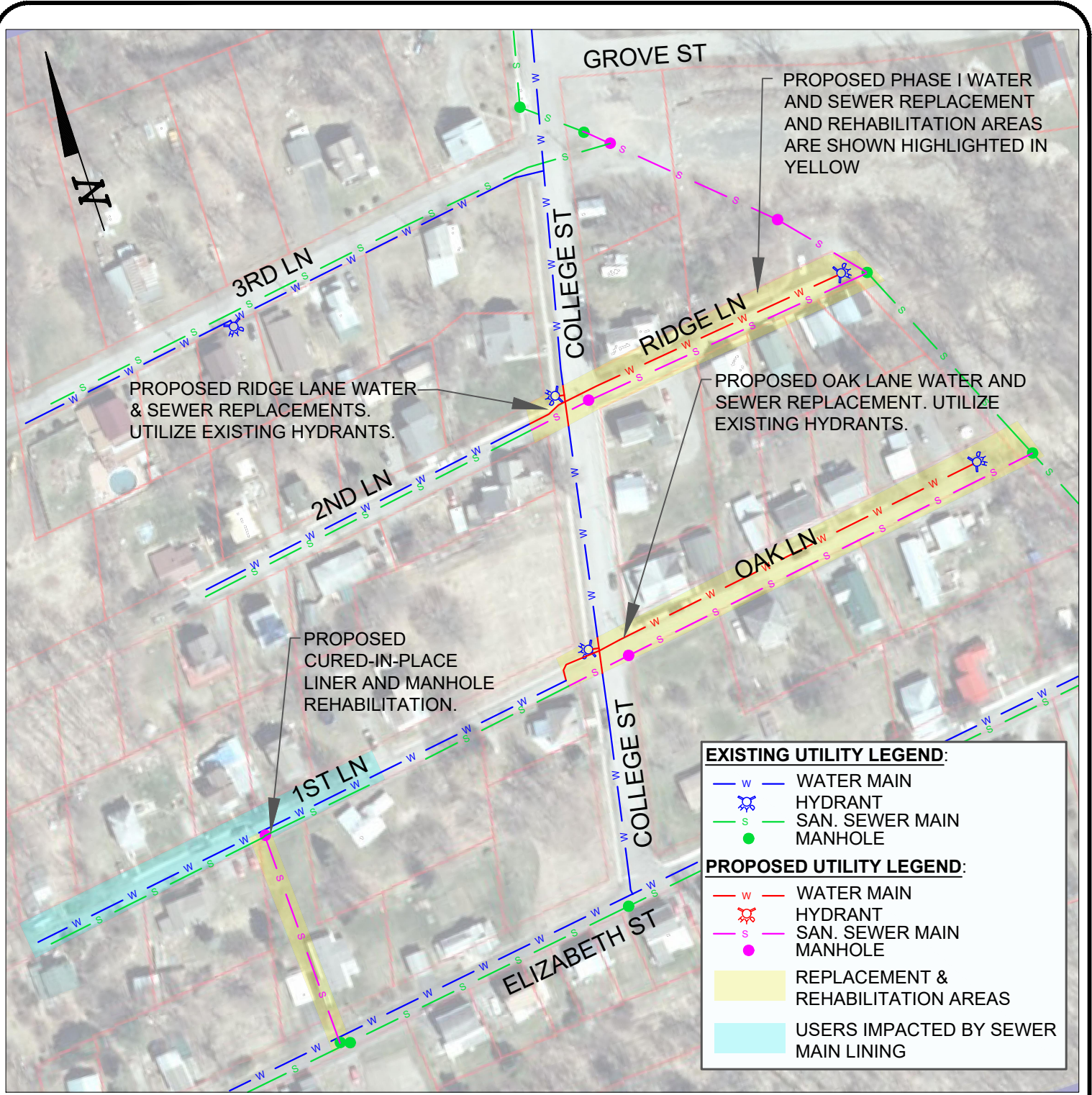
NEW YORK

ESSEX

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8-12 Dietz St, Suite 302, Oneonta, NY 13820.
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APPENDIX B

PROPOSED PHASE I SCHEMATIC PLAN



1
G-2
PROPOSED SCHEMATIC PLAN
 SCALE: 1" = 125'

- NOTES:**
1. THIS DRAWING HAS BEEN GENERATED FROM INFORMATION PROVIDED BY THE TOWN AND AVAILABLE DOCUMENTATION FOR THE PURPOSES OF PREPARING A COMMUNITY DEVELOPMENT BLOCK GRANT APPLICATION TO THE OFFICE OF COMMUNITY RENEWAL.
 2. SANITARY SEWER AND WATER MAINS ARE SHOWN IN APPROXIMATE LOCATIONS.
 3. WATER SERVICES, VALVES AND SANITARY SEWER LATERALS ARE NOT SHOWN ON THE MAP FOR CLARITY.
 4. ALTHOUGH CURED-IN-PLACE LINING IS CALLED OUT FOR CERTAIN SECTIONS OF SEWER MAIN, ADDITIONAL SURVEYING AND INSPECTION SHALL BE REQUIRED BEFORE DETERMINING FINAL CONSTRUCTION METHODS.

**1ST, 2ND, 3RD LANE
PROPOSED SCHEMATIC**

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TOWN OF MORIAH

MORIAH NEW YORK
ESSEX

G-2

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APPENDIX C

PHASE I PROJECT ESTIMATE

**Phase I Improvements - Oak and Ridge Lane
Town of Moriah, NY**

Preliminary Phase I Project Estimate					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
Estimated Construction Costs					
1	Mobilization, demobilization, bonds and Insurance	S			\$ 0,000
2	Maintenance and Protection of Traffic	S			\$10,000
	Erosion & Sediment Control Measures	S			\$10,000
	Water Main Replacement	F	15	\$15	\$125,125
5	Hydrant Assembly		0	\$500	\$0
	Water Main Curbed at all ends			\$500	\$2,000
	Water Services		1	\$500	\$2,000
	Sanitary Sewer Main Replacement	F	0	\$15	\$1,500
	Sanitary Sewer Main Inlet	F	205	\$100	\$20,500
10	Manhole Rehabilitation		1	\$5,000	\$5,000
11	New Manhole		2	\$7,500	\$15,000
12	Bypass Sanitary Pumping	S			\$25,000
1	Sewer laterals & cleanouts		1	\$2,000	\$2,000
1	Pavement Restoration		0	\$125	\$5,000
15	Construction Subtotal				\$ 01,125
Other Costs					
1	Legal, engineering & administrative costs				\$ 0,000
1	Contingency costs				\$ 5,000
1	Total Project Cost Estimate				\$750,000

APPENDIX D

FULL PROJECT ESTIMATE

**1st, 2nd, 3rd Lane Water and Sewer Replacement Project
Town of Moriah, NY**

Preliminary Full Project Estimate					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
Estimated Construction Costs					
1	Mobilization, demobilization, bonds and Insurance	S			\$ 0,000
2	Maintenance and Protection of Traffic	S			\$10,000
	Erosion & Sediment Control Measures	S			\$10,000
	Water Main Replacement	F	2 5	\$1 5	\$520, 25
5	Hydrant Assembly			\$,500	\$1 ,500
	Water Main Curbed Gate Valve		1	\$,500	\$ 5,500
	Water Services			\$,500	\$1 ,000
	Sanitary Sewer Main Replacement	F	2 00	\$1 5	\$ 02,500
	Sanitary Sewer Main Inlet	F	500	\$100	\$50,000
10	Manhole Rehabilitation			\$5,000	\$15,000
11	Flow Manhole		10	\$,500	\$ 5,000
12	Bypass Sanitary Pumping	S			\$25,000
1	Sewer laterals & cleanouts			\$,500	\$1 ,000
1	Pavement Restoration		2150	\$125	\$2 , 50
15	Construction Subtotal				\$1, , 5
Other Costs					
1	Legal, Engineering & Administrative Costs				\$210,000
1	Contingency Costs				\$ 12,125
1	Total Project Cost Estimate				\$2,400,000

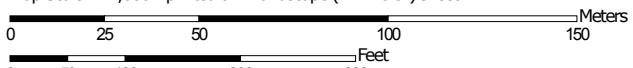
APPENDIX E

SOILS MAP

Soil Map—Essex County, New York



Map Scale: 1:2,000 if printed on A landscape (11" x 8.5") sheet.



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




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey


6/25/2018
Page 1 of 3


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 1:24,000.

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: Essex County, New York

Survey Area Data: Version 15, Feb 24, 2018

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

Date(s) aerial images were photographed: Jun 28, 2012—Mar 29, 2017

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
HsF	Hollis-Rock outcrop complex, 35 to 60 percent slopes, very stony	0.4	4.4%
VeC	Vergennes silty clay loam, 8 to 15 percent slopes	6.5	80.2%
VeD	Vergennes silty clay loam, 15 to 25 percent slopes	1.3	15.4%
Totals for Area of Interest		8.1	100.0%

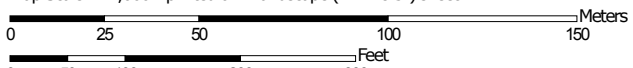
DEPTH TO WATER TABLE

Depth to Water Table—Essex County, New York
































Soil Map may not be valid at this scale.

Map Scale: 1:2,000 if printed on A landscape (11" x 8.5") sheet.



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

MAP LEGEND

Area of Interest (AOI)	 Not rated or not available
 Area of Interest (AOI)	Water Features
Soils	 Streams and Canals
Soil Rating Polygons	Transportation
 0 - 25	 Rails
 25 - 50	 Interstate Highways
 50 - 100	 US Routes
 100 - 150	 Major Roads
 150 - 200	 Local Roads
 > 200	Background
 Not rated or not available	 Aerial Photography
Soil Rating Lines	
 0 - 25	
 25 - 50	
 50 - 100	
 100 - 150	
 150 - 200	
 > 200	
 Not rated or not available	
Soil Rating Points	
 0 - 25	
 25 - 50	
 50 - 100	
 100 - 150	
 150 - 200	
 > 200	

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

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.

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

Date(s) aerial images were photographed: Jun 28, 2012—Mar 29, 2017

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.

Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
HsF	Hollis-Rock outcrop complex, 35 to 60 percent slopes, very stony	>200	0.4	4.4%
VeC	Vergennes silty clay loam, 8 to 15 percent slopes	52	6.5	80.2%
VeD	Vergennes silty clay loam, 15 to 25 percent slopes	52	1.3	15.4%
Totals for Area of Interest			8.1	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

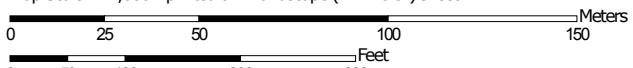
Ending Month: December

DEPTH TO BEDROCK

Depth to Any Soil Restrictive Layer—Essex County, New York



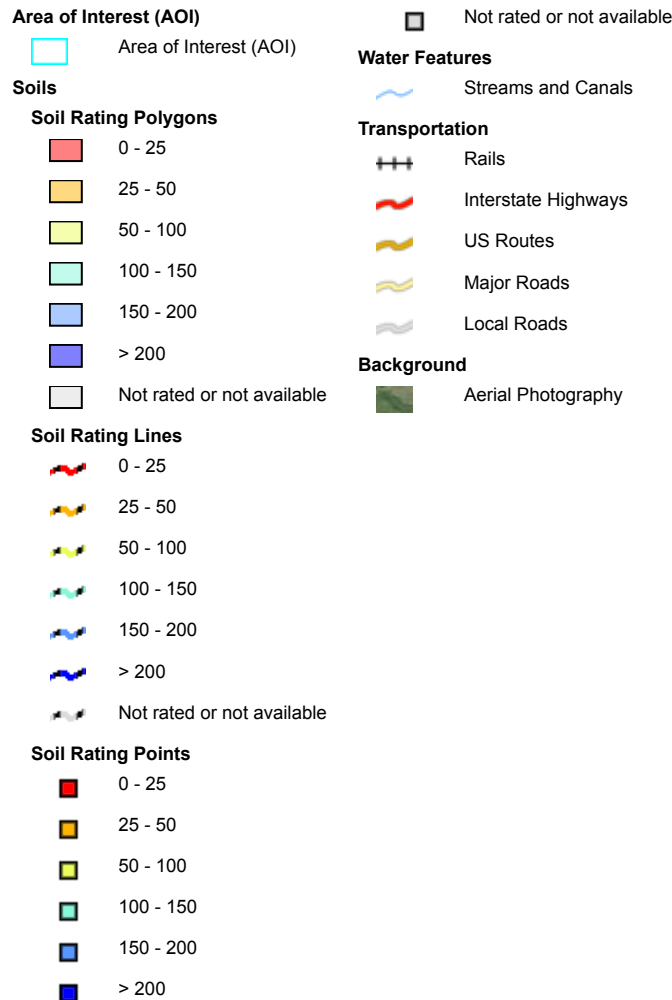
Map Scale: 1:2,000 if printed on A landscape (11" x 8.5") sheet.



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



MAP LEGEND



MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

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: Essex County, New York
 Survey Area Data: Version 15, Feb 24, 2018

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

Date(s) aerial images were photographed: Jun 28, 2012—Mar 29, 2017

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.

Depth to Any Soil Restrictive Layer

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
HsF	Hollis-Rock outcrop complex, 35 to 60 percent slopes, very stony	41	0.4	4.4%
VeC	Vergennes silty clay loam, 8 to 15 percent slopes	>200	6.5	80.2%
VeD	Vergennes silty clay loam, 15 to 25 percent slopes	>200	1.3	15.4%
Totals for Area of Interest			8.1	100.0%

Description

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No