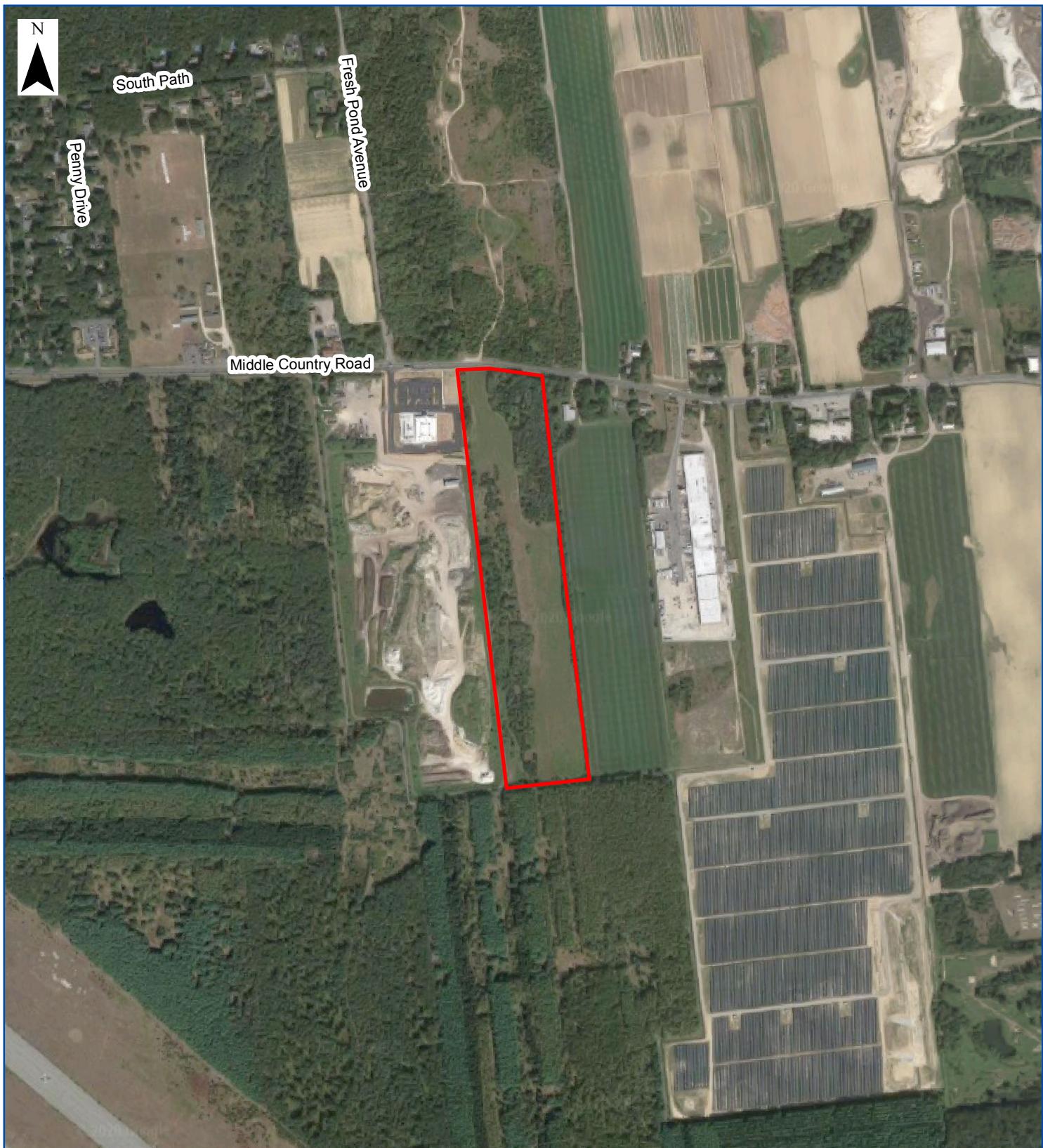


APPENDIX A

Figures

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- Figure 2 - Tax Map
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- Figure 23 – Archaeologically Sensitive Areas Map
- Figure 24 – Map of Other Planned Developments



Site Boundary

Figure 1 - Site Location Map

4285 Middle Country Rd
Calverton, NY

0 500 1,000 1,500 2,000
Feet

Sources: 1. Aerial Imagery: Google Maps (Imagery Date: 9/19/2019). Retrieved on 12/21/2020. 2. Site boundary tax lot data: Suffolk County, NYS GIS Clearinghouse
Boundaries are approximate.

Document Path: W:\Projects\S-Z\TPO\2001\maps\SEQRA\FIG01_SiteLocation.mxd



Site Boundary

Tax Lot Boundary with Tax Lot Numbers

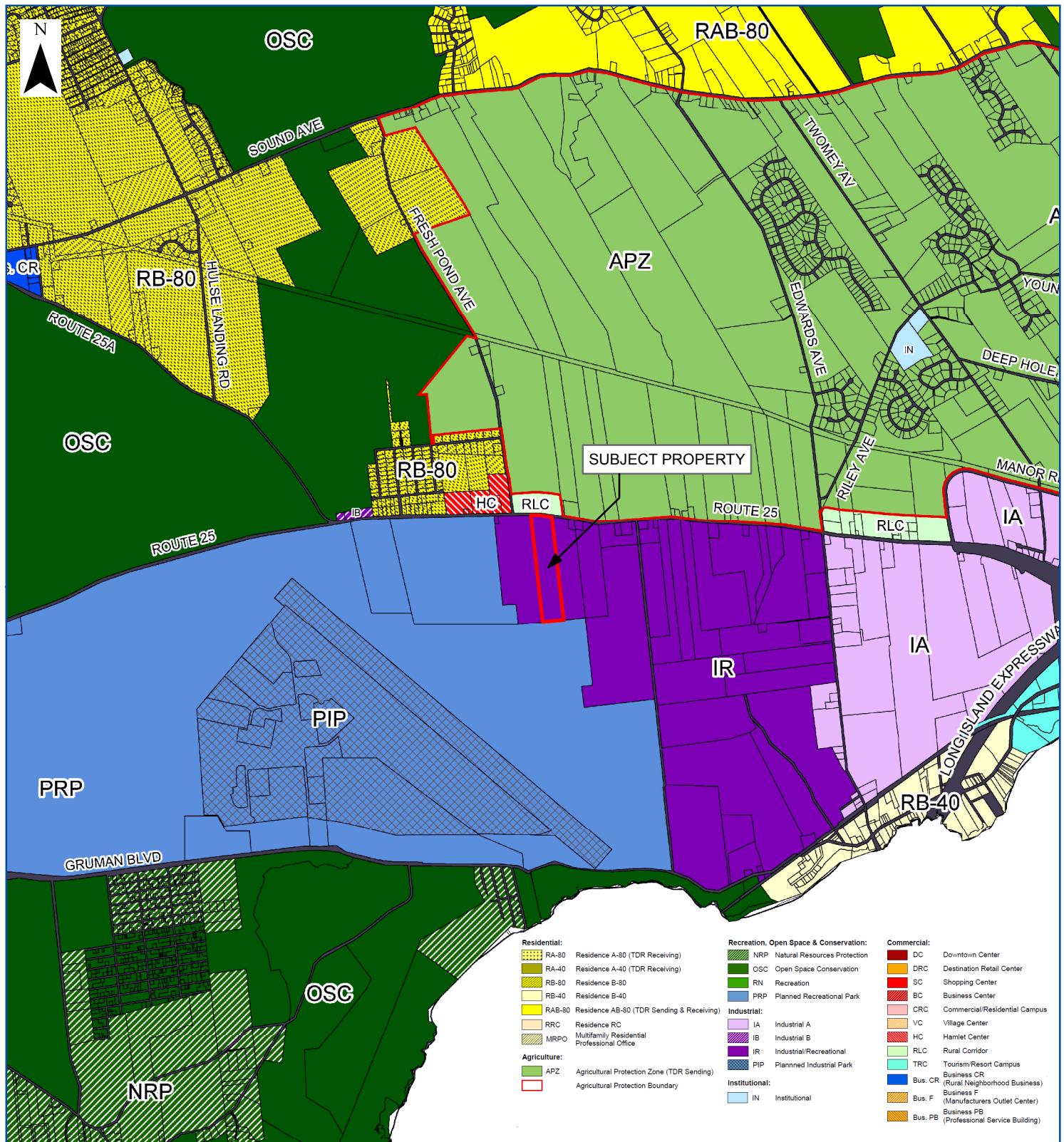


Sources: 1. Suffolk County Tax Parcel Data: NYS GIS Clearinghouse (data provided by Suffolk County)
Boundaries are approximate.

Document Path: W:\Projects\S-Z\TPO\2001\maps\SEQRA\FIG_TaxMap.mxd

Figure 2 - Tax Map

4285 Middle Country Rd
Calverton, NY



Site Boundary

Figure 3 - Proposed Land Use Plan

4285 Middle Country Rd
Calverton, NY

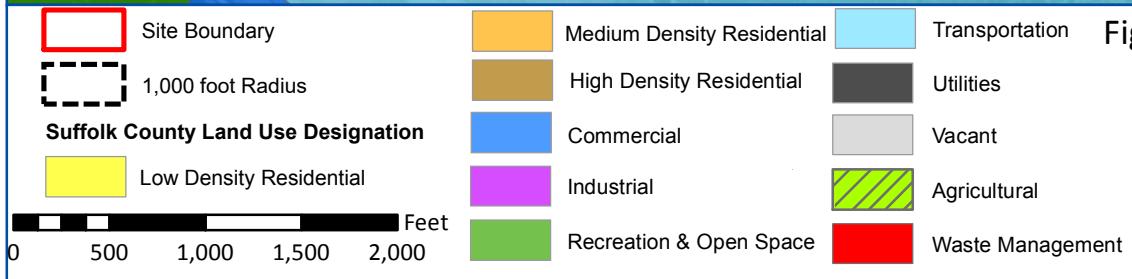


Figure 4 - Land Use Map

4285 Middle Country Rd
Calverton, NY

Sources: 1. EService Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; 2. Suffolk County 2016 Land Use Dataset: Suffolk County Open Data Portal - dataset prepared by the Suffolk County Department of Economic Development and Planning
Boundaries are approximate.

Document Path: W:\Projects\S-Z\TPO\2001\maps\SEQRA\FIG_LandUseMap.mxd

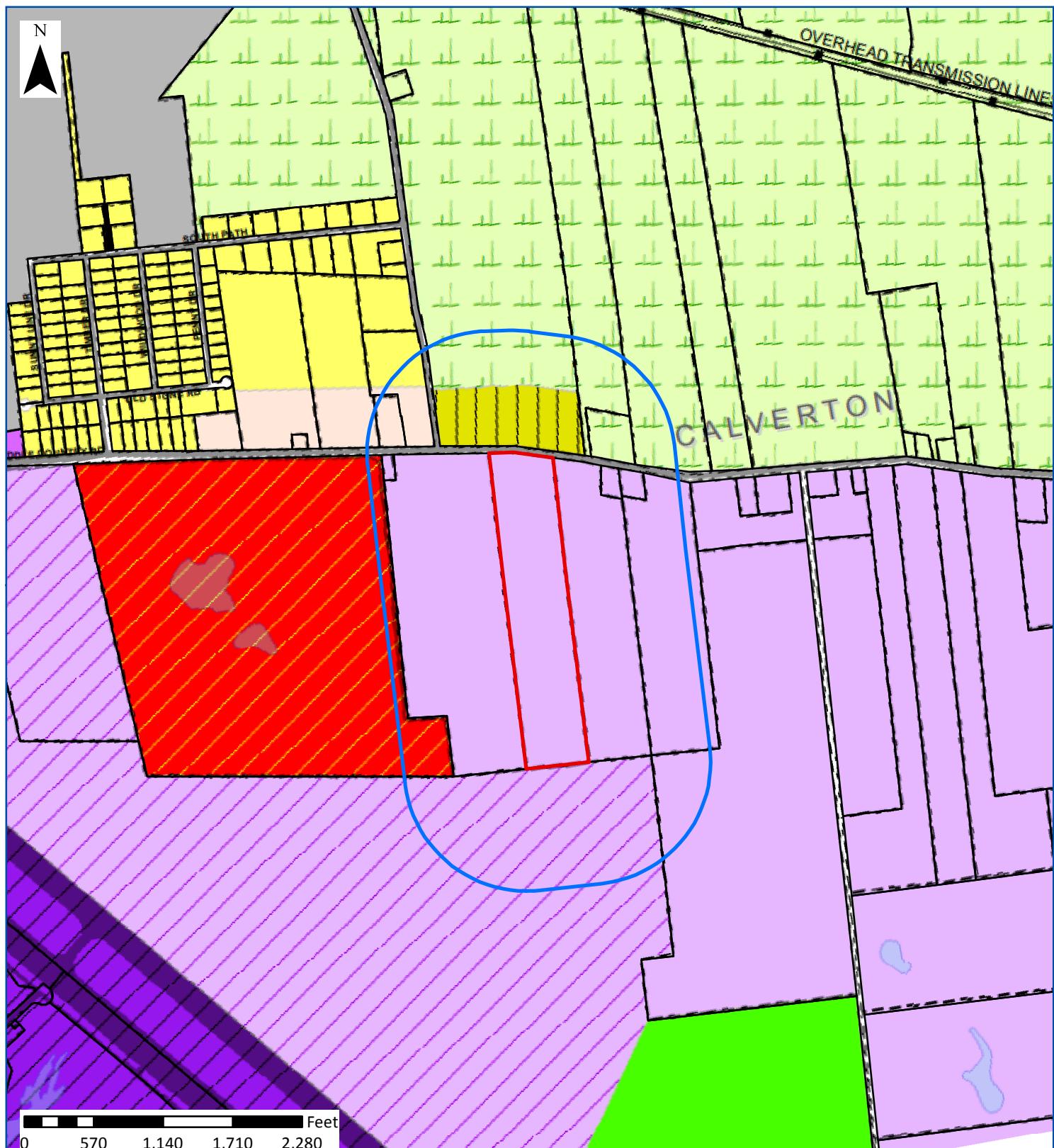
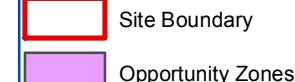
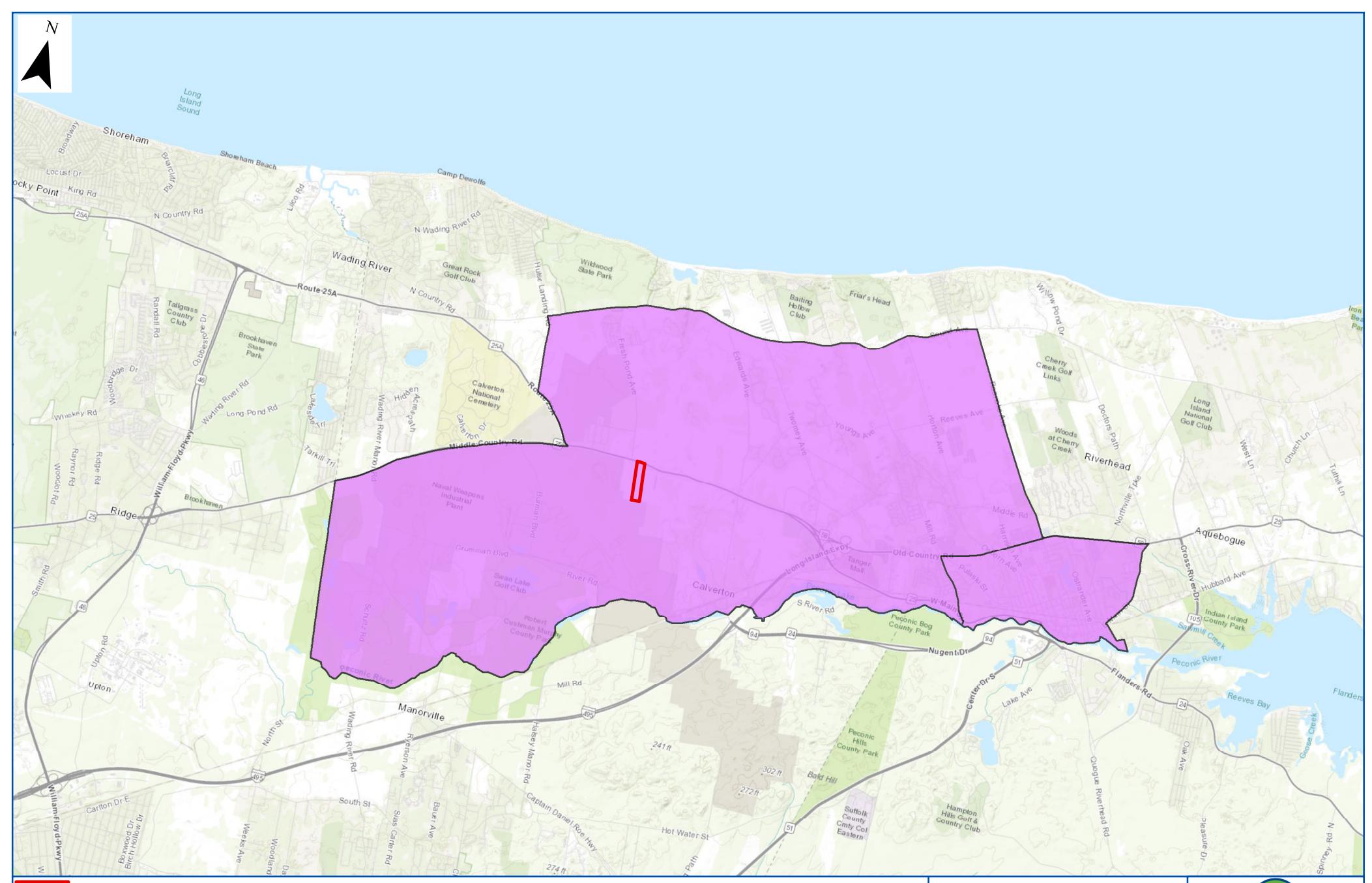
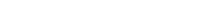


Figure 5 - Zoning Map

4285 Middle Country Rd
Calverton, NY





Miles

Figure 6 - Federal Opportunity Zone (Long Island Region) Map

4285 Middle Country Rd
Calverton, NY



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Bohemian, NY 11716**
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pwcrosser.info@pwcrosser.com

Source: 1. U.S. Department of Treasury Opportunity Zones Layer. U.S. Department of Treasury. 2. Urban Development (HUD). Last revised on November 16, 2020. <https://hudgis.hud.opendata.arcgis.com/datasets/opportunity-zones>; 3. Esri Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCan, Esri Japan, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community.

Custom Soil Resource Report

Soil Map



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
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: Suffolk County, New York
Survey Area Data: Version 18, Jun 11, 2020

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

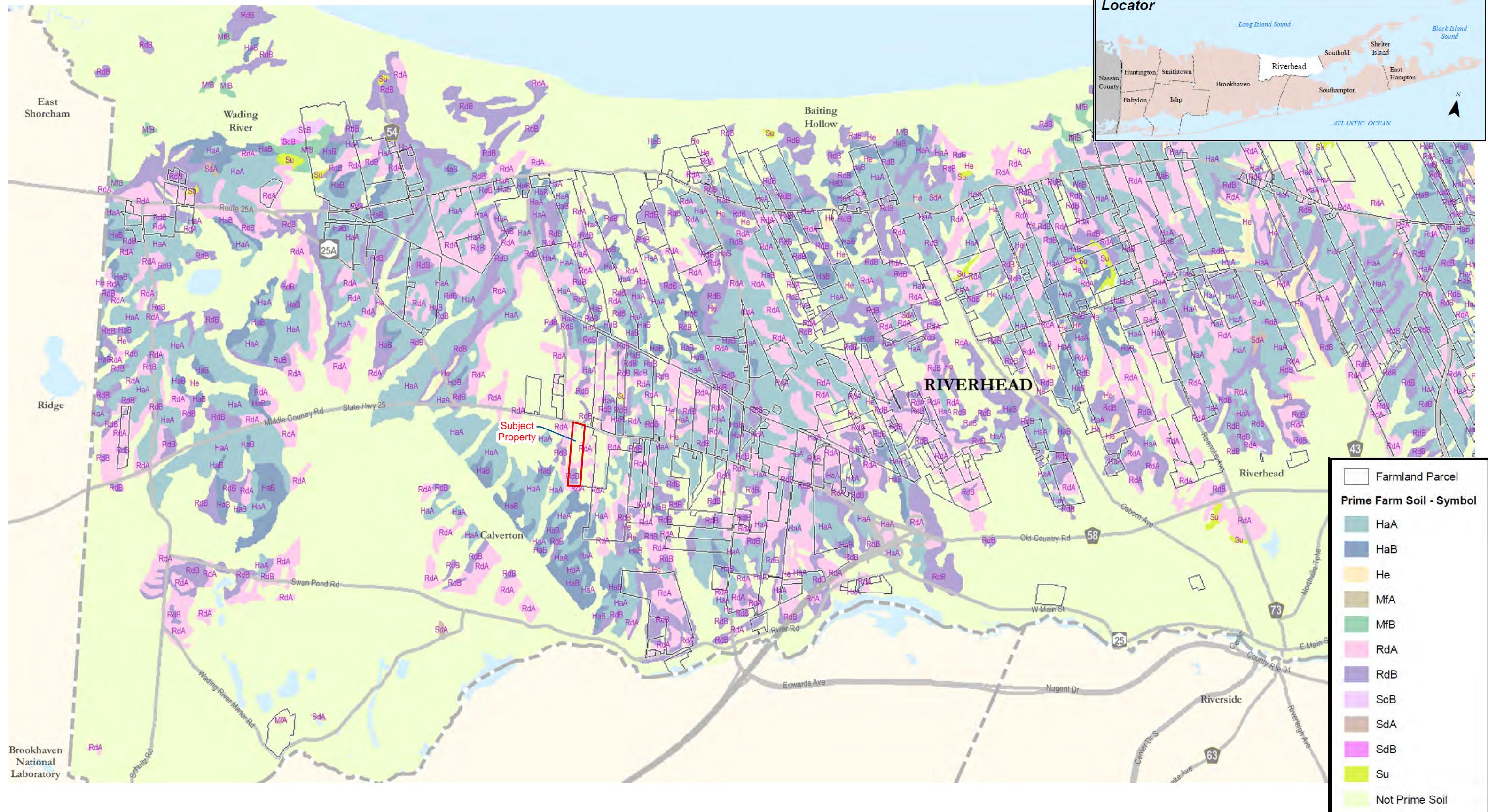
Date(s) aerial images were photographed: Oct 23, 2019—Nov 4, 2019

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 Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PIA	Plymouth loamy sand, 0 to 3 percent slopes	5.1	16.9%
PIB	Plymouth loamy sand, 3 to 8 percent slopes	9.3	30.7%
PmB3	Plymouth gravelly loamy sand, 3 to 8 percent slopes, eroded	2.3	7.7%
PmC3	Plymouth gravelly loamy sand, 8 to 15 percent slopes, eroded	0.6	2.1%
RdA	Riverhead sandy loam, 0 to 3 percent slopes	8.0	26.6%
RdB	Riverhead sandy loam, 3 to 8 percent slopes	4.8	16.0%
Totals for Area of Interest		30.3	100.0%

Figure 7 - Soil Survey Map

4285 Middle Country Rd
Calverton, NY



 Site Boundary

Figure 8 - Agricultural and Farmland Protection Plan - Soils Map
Town of Riverhead

4285 Middle Country Rd
Calverton, NY



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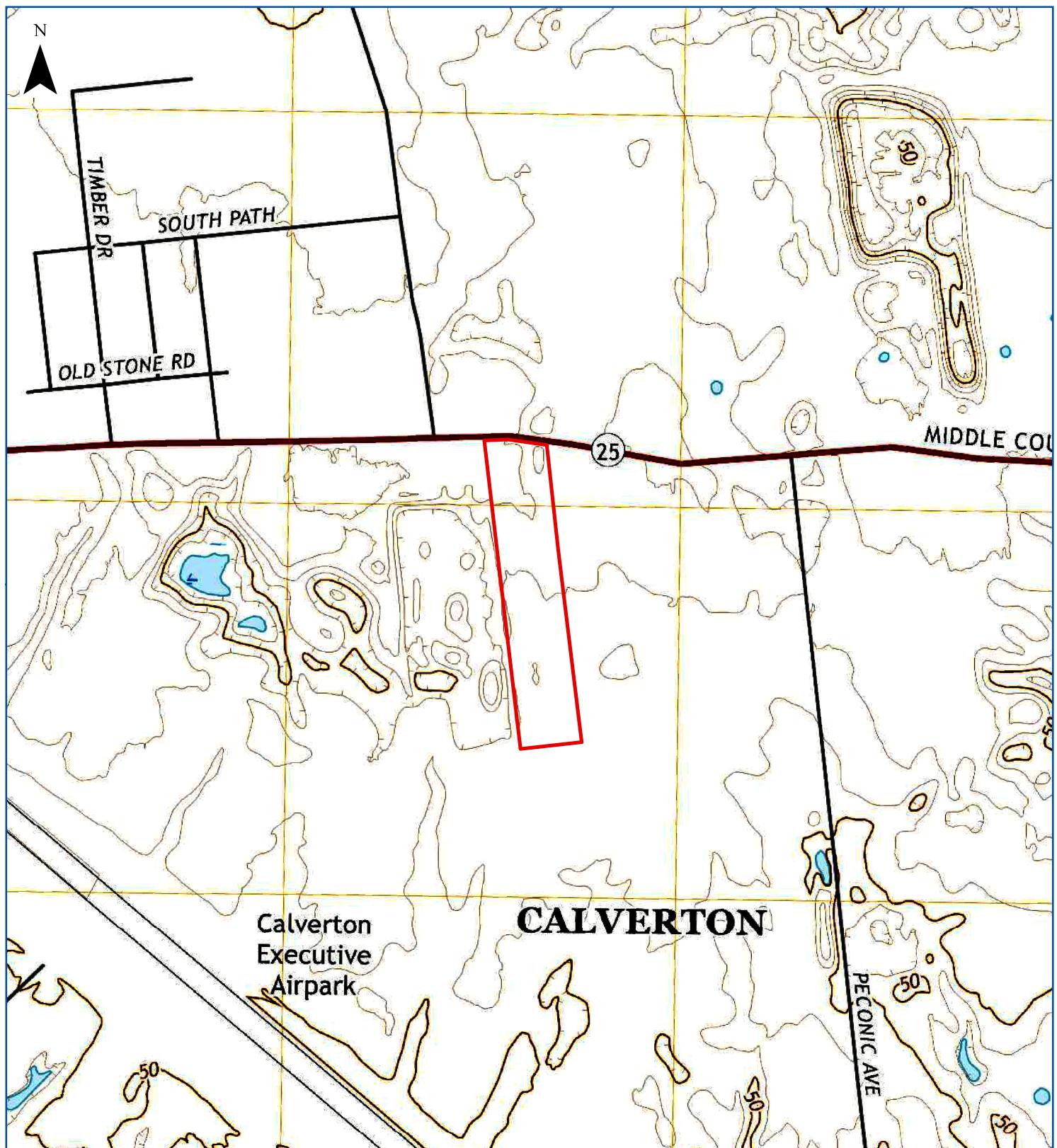


Figure 9 - USGS Topographic Map

4285 Middle Country Rd
Calverton, NY

0 580 1,160 1,740 2,320 Feet

Sources: 1. Topographic map: USGS NATIONAL MAP VIEWER: <http://viewer.nationalmap.gov/viewer>
USGS US Topo 7.5-minute map for Wading River, NY 2019. Published Date: 2019-07-01;
2. Suffolk County Tax Parcel Data: NYS GIS Clearinghouse (data provided by Suffolk County)

Boundaries are approximate.
Document Path: W:\Projects\S-Z\TPO\2001\maps\SEORA\FIG_USGS_Topo.mxd





— Approximately Known Groundwater Contour ■ Site Boundary

- - - Inferred Groundwater Contour

0 0.75 1.5 2.25 3 Miles

Figure 10 - Water Table Elevation Map

4285 Middle Country Rd
Calverton, NY

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pwgc.info@pwgrosser.com

Sources: 1. EService Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; 2. 2016 Water Table Contours: USGS - Finkelstein, J.S., and Como, M.D., 2018, Geospatial dataset of water-table and potentiometric-surface altitudes in the upper glacial, Magothy, and Lloyd aquifers of Long Island, New York, April–May 2016: U.S. Geological Survey data release, <https://doi.org/10.5066/F7G15Z9T>; 3. Suffolk County Tax Parcel Data: NYS GIS Clearinghouse (data provided by Suffolk County)

Document Path: W:\Projects\S-Z\TPO\2001\maps\SEQRA\FIG_WaterTableElev.mxd



Figure 11 - Hydrogeologic Zones Map

4285 Middle Country Rd
Calverton, NY

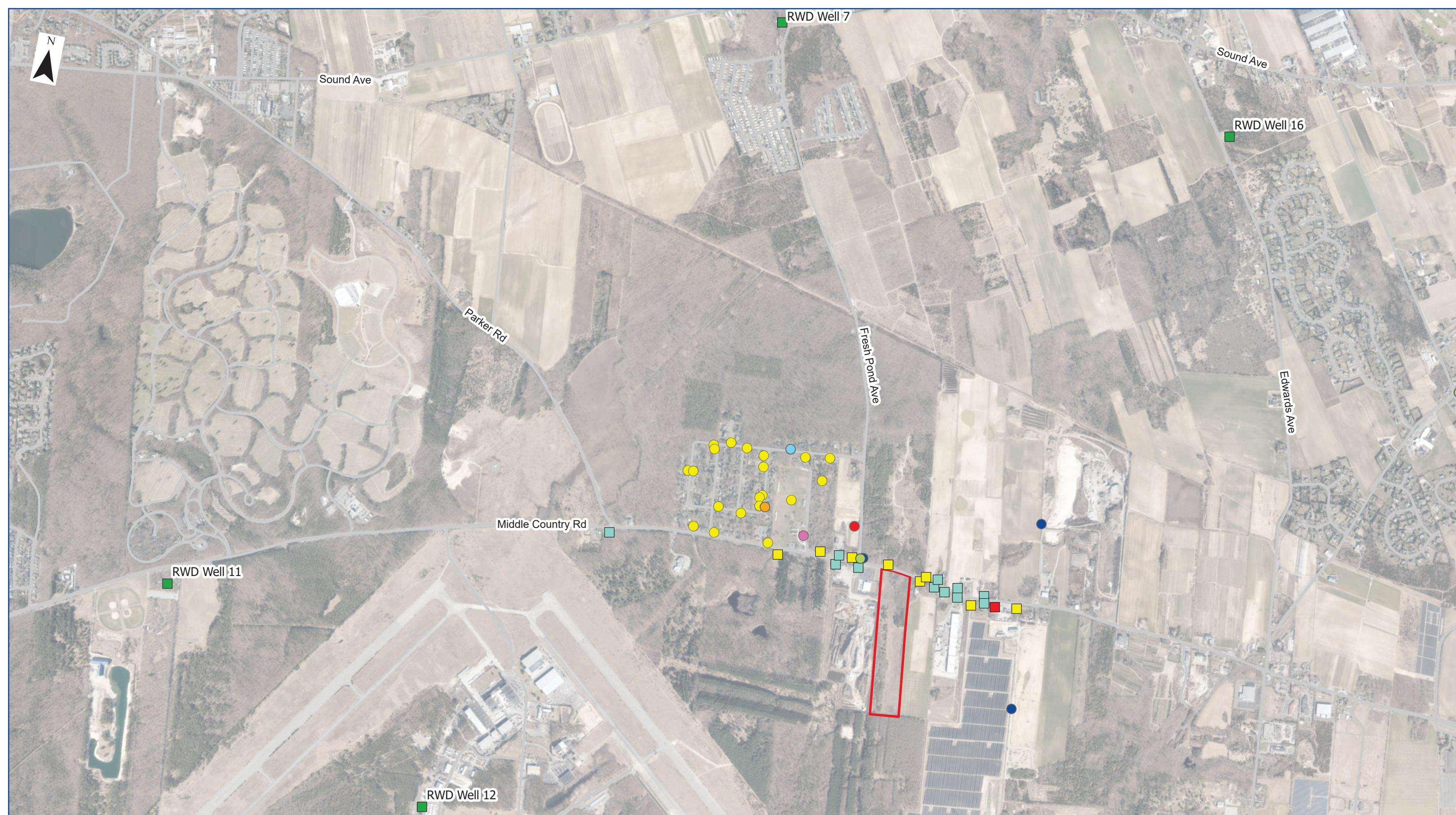
Long Island



Figure 12 - Special
Groundwater Protection
Area Map

4285 Middle Country Rd
Calverton, NY





- Site Boundary
- USGS Monitoring Well - Active
- USGS Monitoring Well - Inactive
- Domestic Well
- Domestic Well, Well Location on Site Unknown
- General Purpose Well, Well Location on Site Unknown
- Use of Well Unknown
- Test Well

- Lot Connected to Public Water
- Public Water Available - Lot Not Connected
- No Public Water Available for Lot
- Riverhead Water District Well

0 1,000 2,000 3,000 4,000 Feet

○ Represent data from NYSDEC FOIL Request

□ Represent data from Riverhead Water District

Figure 13 - Well Location Map

4285 Middle Country Rd
Calverton, NY



Figure 14 - Suffolk County
Sanitary Code - Article 6 Map

4285 Middle Country Rd
Calverton, NY

DEPARTMENT OF HEALTH SERVICES



HUMAYUN J. CHAUDHRY, M.D., M.P.H.

OF ENVIRONMENTAL QUALITY

SCALE: 1" = 2.5 MILES

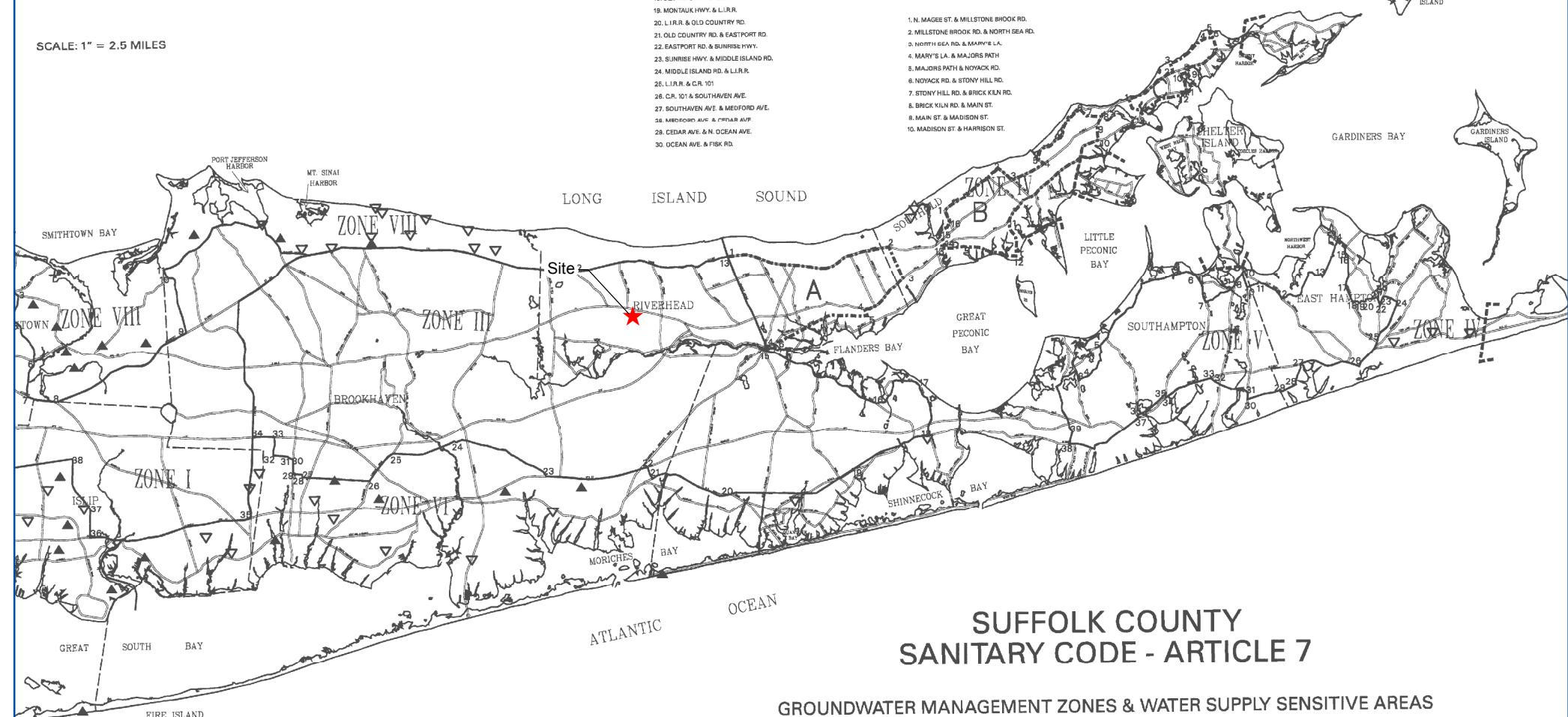
ZONES I & III

ZONE V

N. MAGEE ST. & MILLSTONE BROOK RD.
MILLSTONE BROOK RD. & NORTH SEA RD.
NORTH SEA RD. & MARY'S LA.
MARY'S LA. & MAJORS PATH
MAJORS PATH & NOYACK RD.
NOYACK RD. & STONY HILL RD.
STONY HILL RD. & BRICK KILN RD.
BRICK KILN RD. & MAIN ST.
MAIN ST. & MADISON ST.
MADISON ST. & HARRISON ST

- 11. HARRISON ST. & E.H.-S.H. TKPE
- 12. E.H.-S.H. TKPE & SWAMP RD.
- 13. SWAMP RD. & OLD NORTHWEST RD.
- 14. OLD NORTHWEST RD. & BROOK ST.
- 15. BROOK ST. & HANCOCK CREEK RD.
- 16. HANCOCK CREEK RD. & ELYBROOK RD.
- 17. ELYBROOK RD. & HANCOCK CREEK RD.
- 18. HANCOCK CREEK RD. & TOD DR.
- 19. TOD DR. & KARIN DR.
- 20. KARIN DR. & JONATHAN DR.
- 21. JONATHAN DR. & SPINNEY BANKS RD.
- 22. SPRINGY BILLS DR. & THREE MILE HARBOR RD.
- 23. THREE MILE HARBOR DR. & CROSS HWY.
- 24. CROSS HWY. & SPRINGS- FIREPLACE RD.
- 25. SPRINGS- FIREPLACE RD. & MAIN ST.
- 26. MAIN ST. & N.Y.S. 27
- 27. N.Y.S. 27 & WAINSCOTT RD.
- 28. WAINSCOTT RD. & MAIN ST.

28. WAINSCOTT RD. & MAIN ST.
29. MAIN ST. & HEDGES LA.
30. HEDGES LA. & SAGAPONACK RD.
31. SAGAPONACK RD. & SAGG RD.
32. SAGG RD. & CHURCH LA.
33. CHURCH LA. & N.Y.S. 27
34. N.Y.S. 27 & SCUTTLE HOLE RD.
35. SCUTTLE HOLE RD. & L.I.R.R.
38. L.I.R.R. & HEAD OF POND RD.
37. HEAD OF POND RD. & N.Y.S. 27A
38. N.Y.S. 27A & RISHOPS LA.
39. BISHOPS LA. & M MAGEE ST.



SUFFOLK COUNTY SANITARY CODE - ARTICLE 7

GROUNDWATER MANAGEMENT ZONES & WATER SUPPLY SENSITIVE AREAS

Figure 15 - Suffolk County
Sanitary Code - Article 7 Map

4285 Middle Country Rd
Calverton, NY



GROUNDWATER MANAGEMENT ZONES
DEEP RECHARGE AREAS ARE ZONES I,II,III & V (SECT. 703D. & 706
INCLUDES ALL PROPERTIES THAT FRONT ON THE BOUNDARY

WATER SUPPLY SENSITIVE AREAS
(SECT. 703 W. & 706)
AREAS SEPARATED FROM A LARGER REGIONAL GROUNDWATER SYSTEM
(INCLUDES: FIRE ISLAND, SHELTER ISLAND, FISHERS ISLAND, GILGO / OAK BEACH)

WATER BUDGET AREA OF THE NORTH FORTRESS

▲ WELLFIELD OUTSIDE OF DEEP RECHARGE AREA OR OTHER
WATER SUPPLY SENSITIVE AREA

▼ WELLFIELD WITH UPPER GLACIAL WELL(S)
RESTRICTED AREA - 1500 FEET UPGRADE
600 FEET DOWNGRADIENT

0 2 6 8 Miles

Source: 1. Suffolk County Sanitary Code - Article 7 Map; Suffolk County Department of Health Services Division of Environmental Quality

Land Use	No. of Parcels
Low Density Residential	56
Medium Density Residential	95
High Density Residential	11
Commercial	16
Institutional	2
Recreation & Open Space	167
Agriculture	24
Vacant	58
Transportation	15
Utilities	8
Industrial	3
Waste Handling and Management	2
Surface Water	16
Total	473

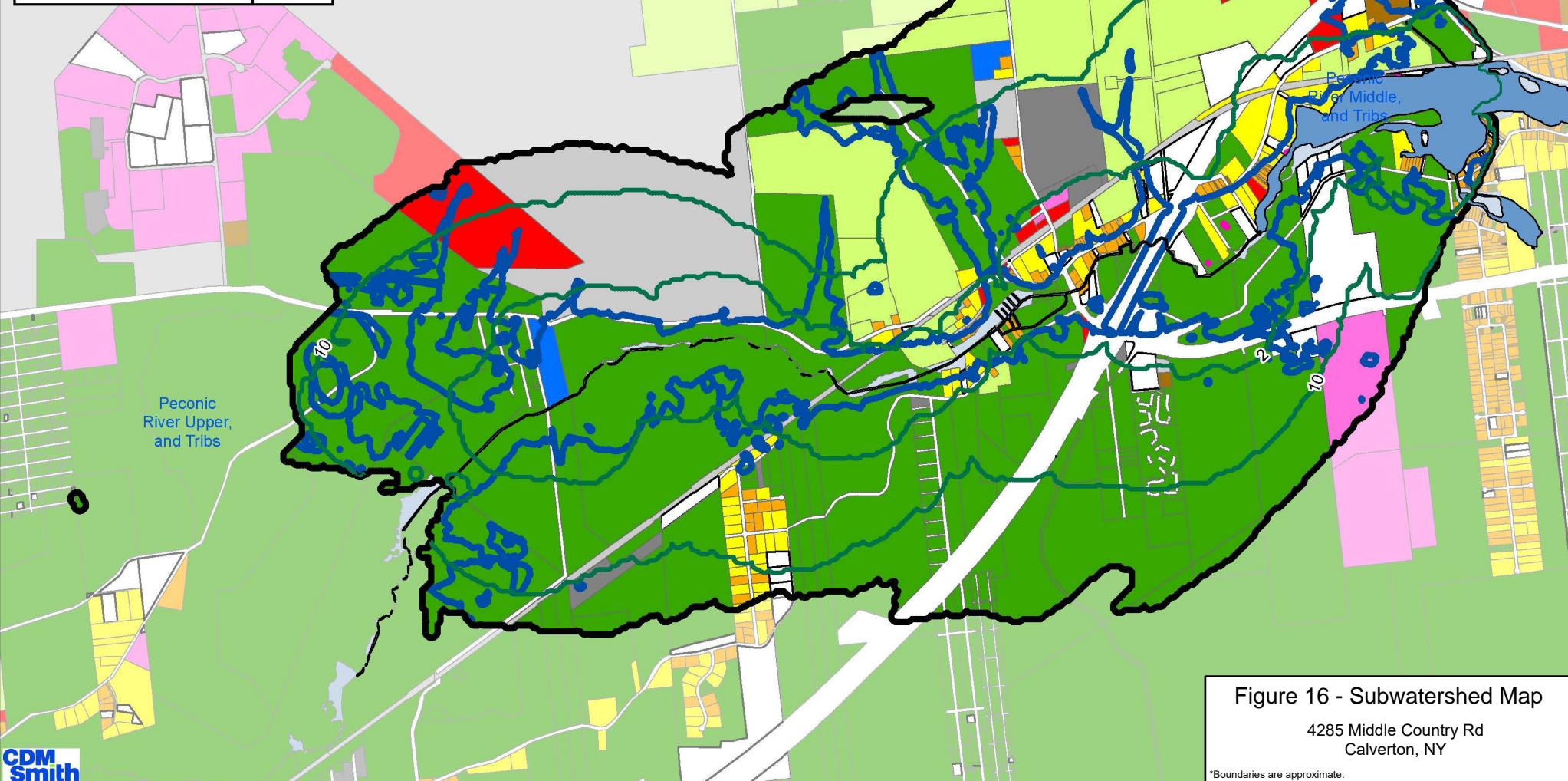


Figure 16 - Subwatershed Map

4285 Middle Country Rd
Calverton, NY

*Boundaries are approximate.



Land Use (Suffolk County Department of Planning and Economic Development Land Use, 2016)

Low Density Residential	Recreation and Open Space
Medium Density Residential	Agricultural
High Density Residential	Vacant
Commercial	Transportation
Industrial	Utilities
Institutional	Waste Handling and Management

25 year Groundwater Contributing Area

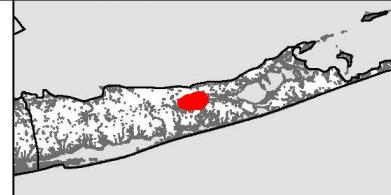
2/10 year Groundwater Contributing Area

Depth to Water (ft)

Less than or Equal to 10 feet

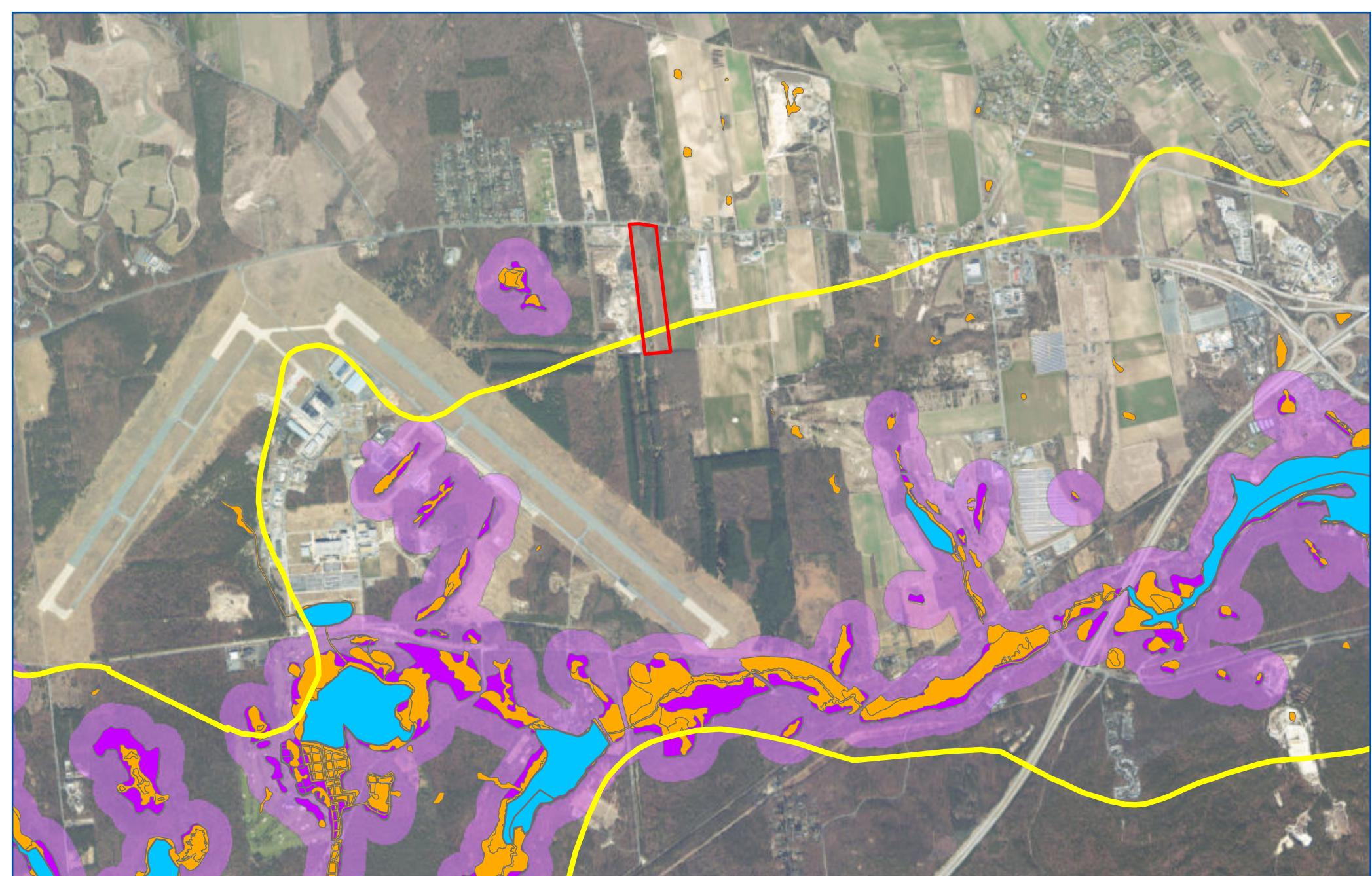
SLOSH Zones

0 1,150 2,300 Ft



Subwatershed Planning Criteria
1701-0261+0262+0269
Peconic River Middle, and
Tribs

September 2018

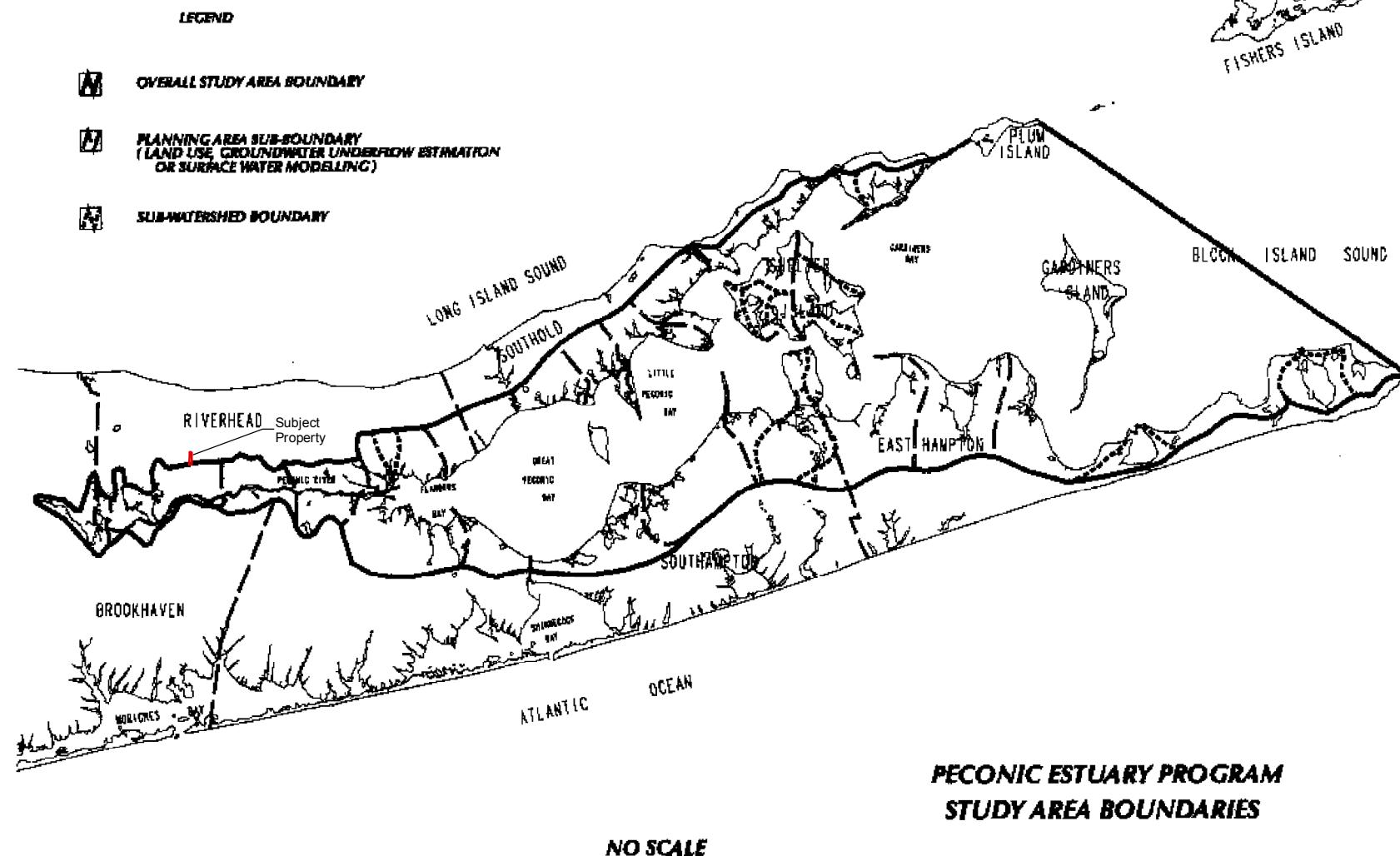


Sources: Aerial basemap: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community. National Wetlands Inventory shapefile: National Wetlands Inventory. New York State Regulatory Freshwater Wetlands shapefile: New York State Department of Environmental Conservation, NYS GIS Association, Suffolk County Open Data. Surface Water Bodies shapefile: NYS GIS Association. Peconic Estuary Watershed Boundary shapefile: U.S. EPA, DATA.GOV. Boundaries are approximate.

Document Path: W:\Projects\S-Z\TPO\2001\maps\FIG_Wetlands_v3.mxd

Figure 17 - Wetlands & Surface Waters Map
4285 Middle Country Rd
Calverton, NY

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
DIVISION OF ENVIRONMENTAL QUALITY
OFFICE OF ECOLOGY



Site Boundary

Figure 18 - Peconic Estuary
Program Study Area Boundaries
Map

4285 Middle Country Rd
Calverton, NY

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Bohemia, NY 11716
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pwgc.info@pwgrosser.com

National Flood Hazard Layer FIRMette



72°46'36"W 40°55'43"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X

- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

NO SCREEN Area of Minimal Flood Hazard Zone X

- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

OTHER AREAS

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

GENERAL STRUCTURES

- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

OTHER FEATURES

- Digital Data Available
- No Digital Data Available
- Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/18/2020 at 9:06 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Figure 19 - FEMA Flood Zone Map

4285 Middle Country Rd
Calverton, NY



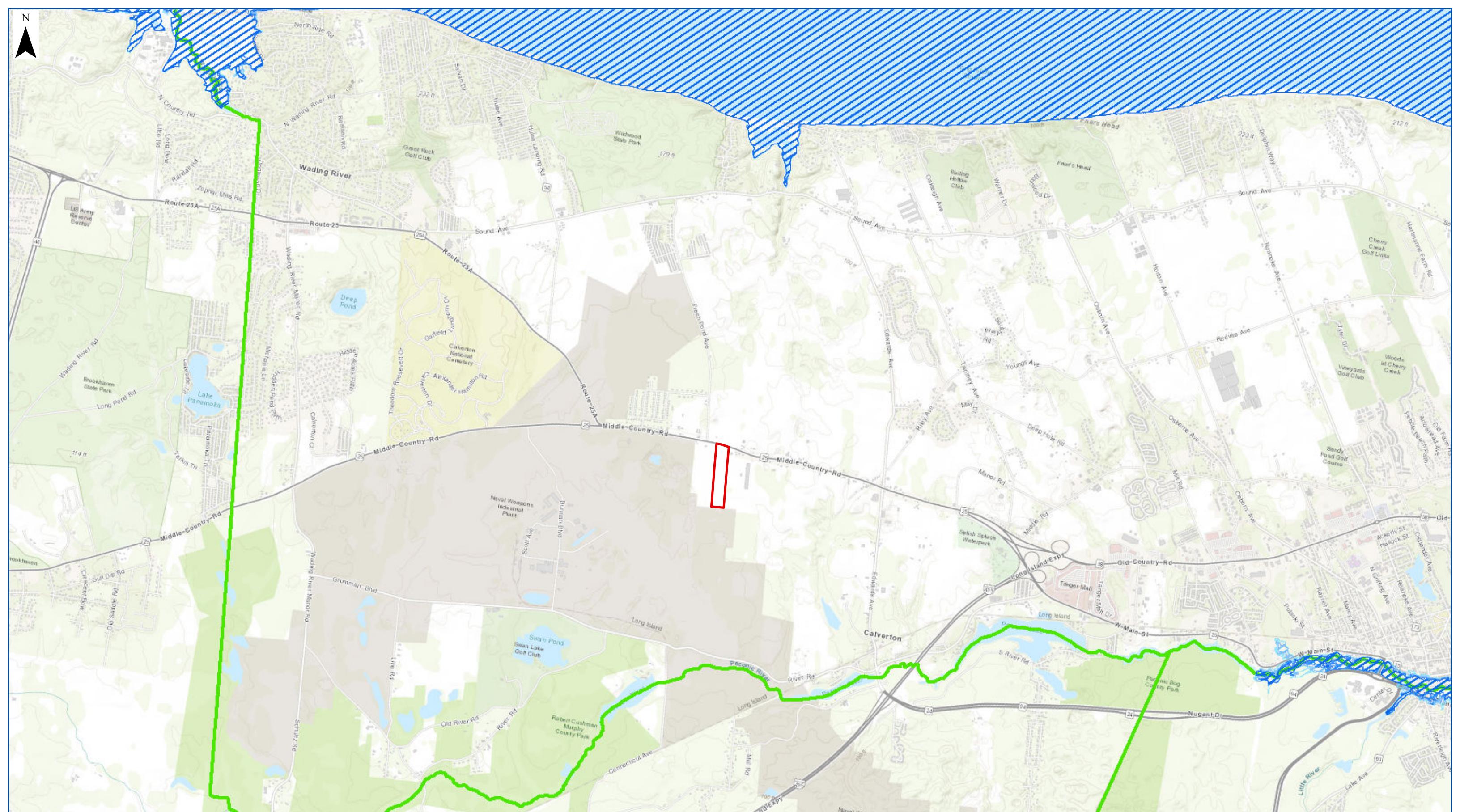
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630 Johnson Ave., Suite 7

Bohemia, NY 11716

Ph: 631-589-6353 • Fax: 631-589-8705

pwgc.info@pwgrosser.com



Sea Level Rise Scenario

Sea Level Rise: 12 inches
Recurrence Interval: 100 yrs.

Sea Level Rise: 24 inches
Recurrence Interval: 100 yrs.

Sea Level Rise: 36 inches
Recurrence Interval: 100 yrs.

Today's Floodplain

Cities, towns, and villages

Site Boundary

Figure 20 - Sea Level Rise Map

4285 Middle Country Rd
Calverton, NY

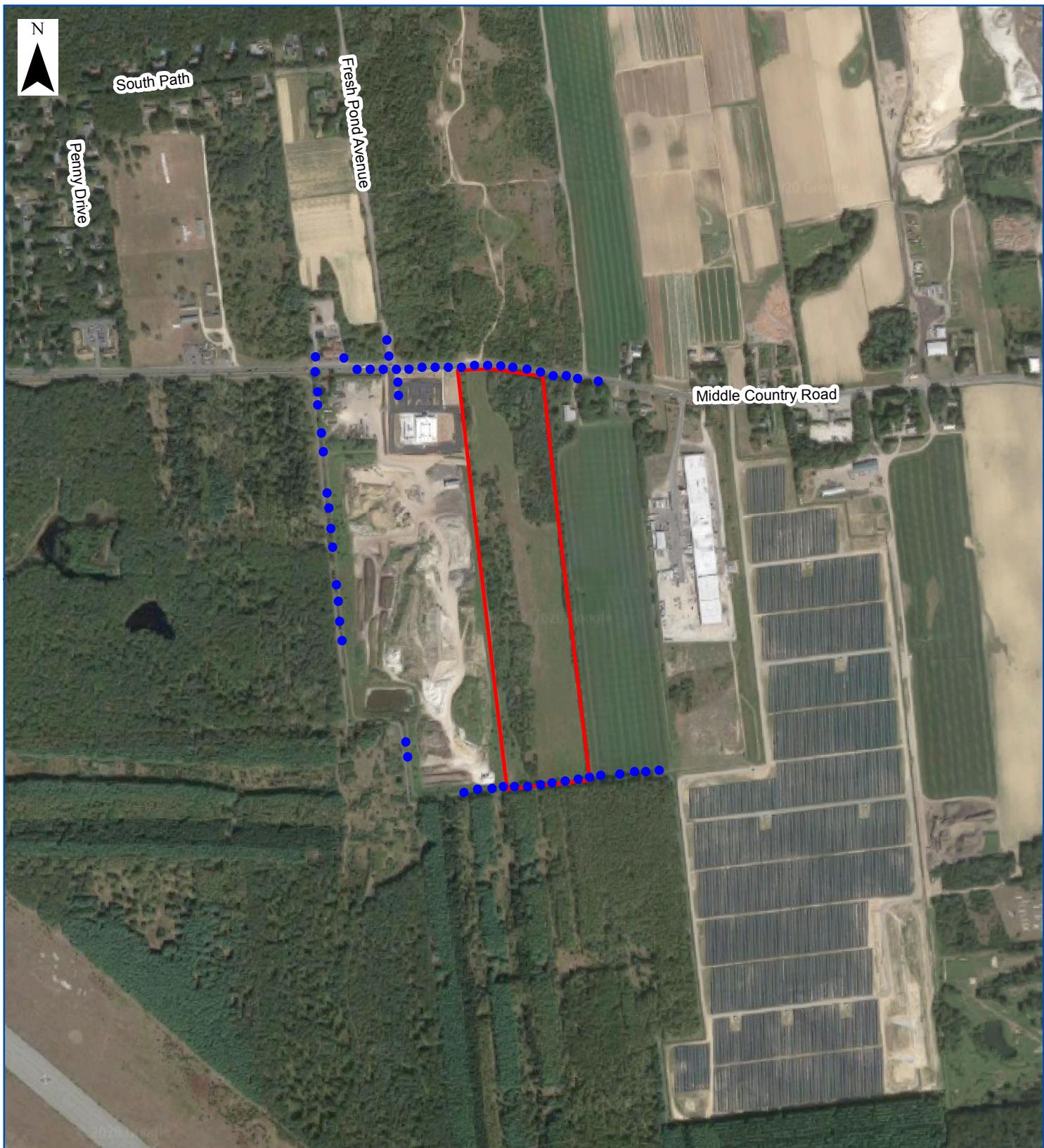
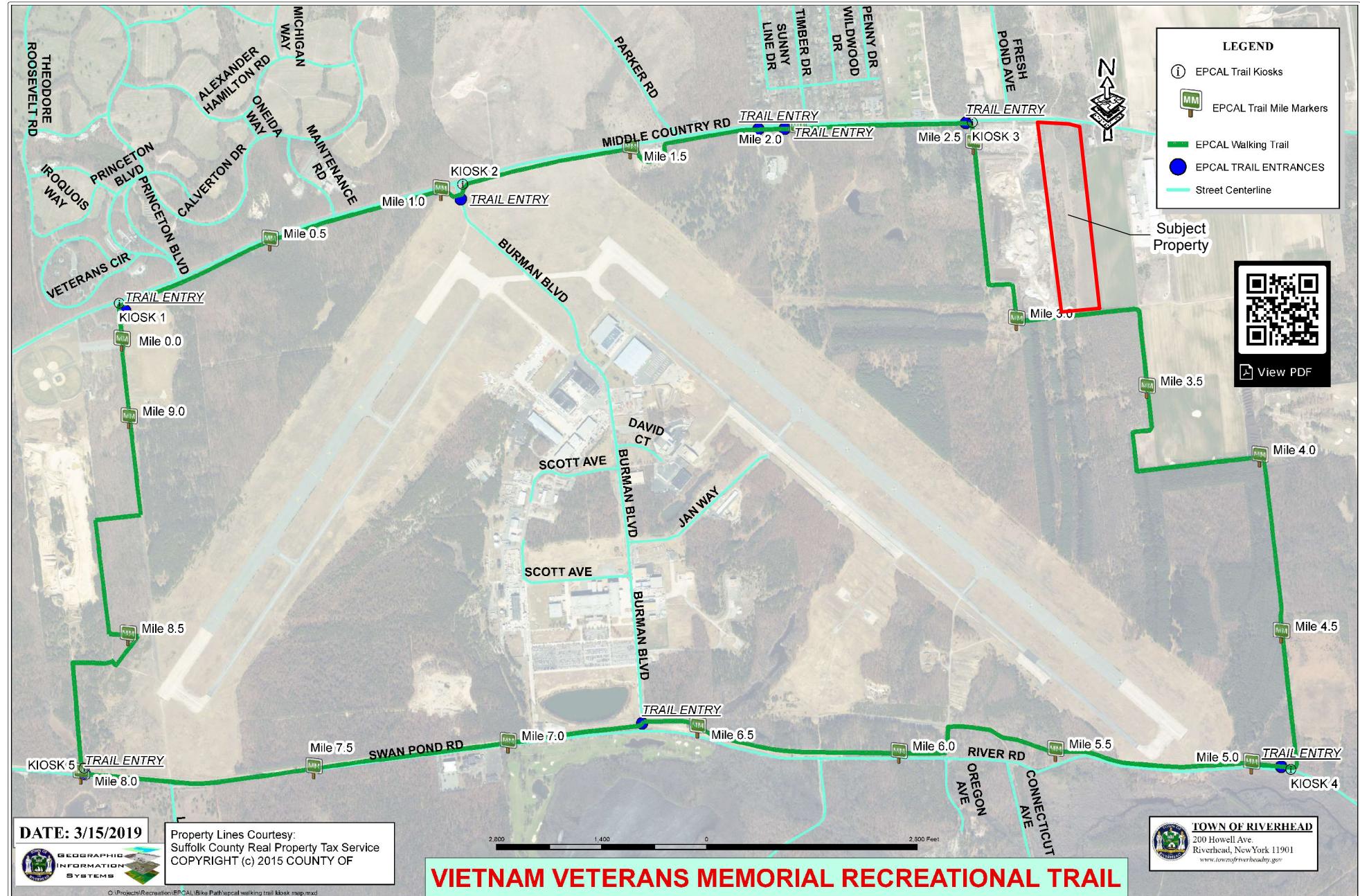


Figure 21 - Publicly Accessible Views Map

4285 Middle Country Rd
Calverton, NY

Sources: 1. Aerial Imagery: Google Maps (Imagery Date: 9/19/2019). Retrieved on 12/21/2020. 2. Site boundary tax lot data: Suffolk County, NYS GIS Clearinghouse
Boundaries are approximate.

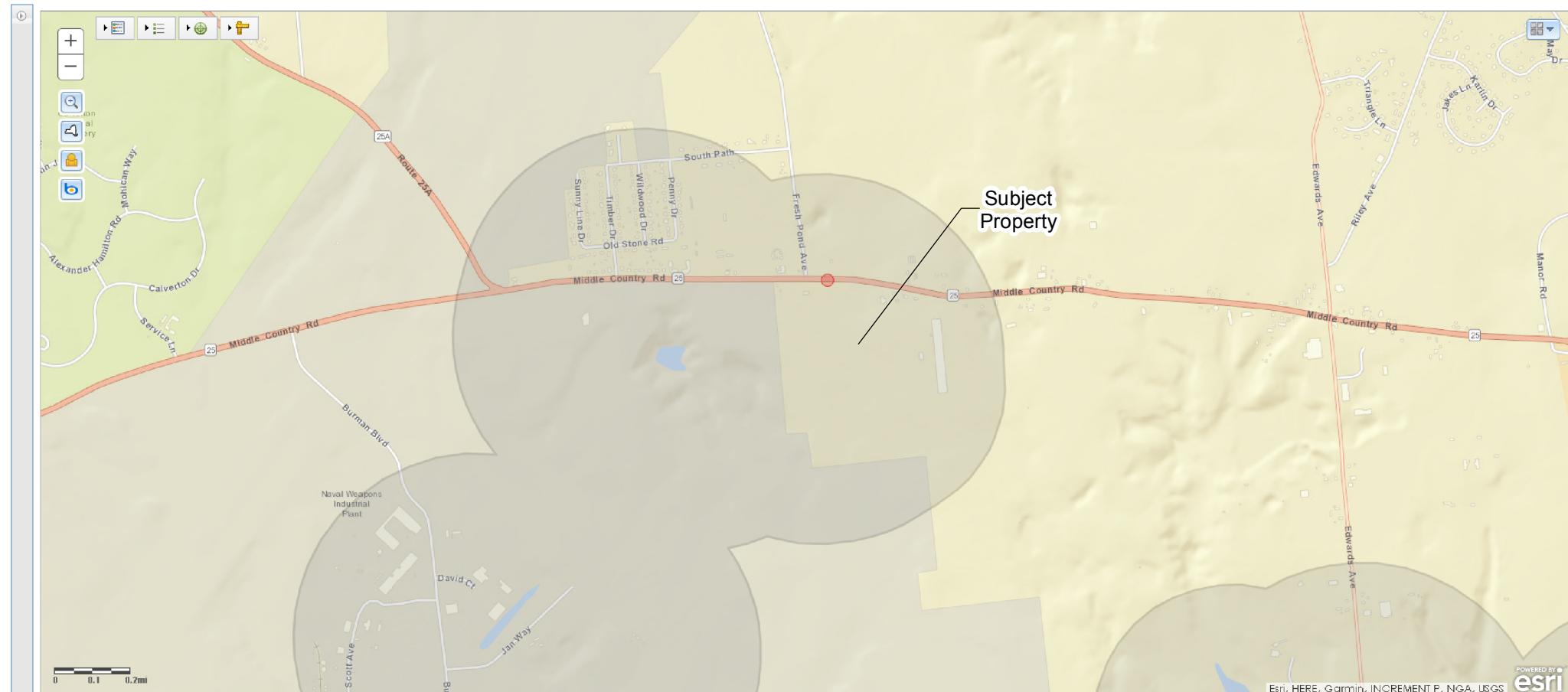
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Site Boundary

Figure 22 - EPCAL Walking Trail Map

4285 Middle Country Rd
Calverton, NY



Archaeologically Sensitive Areas

Figure 23 - Archaeological Sensitive Areas

4285 Middle Country Rd
Calverton, NY

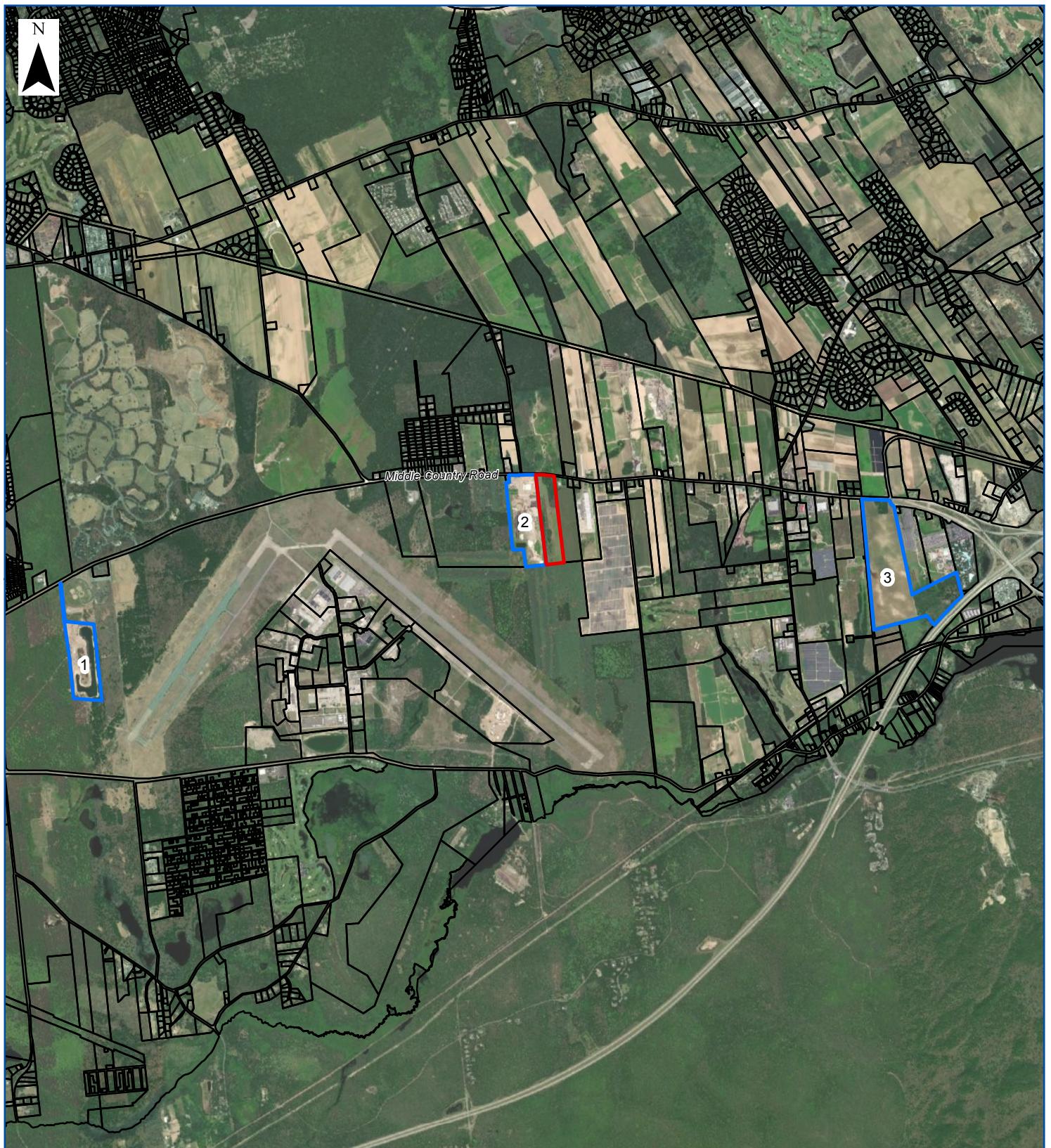


Figure 24 - Map of Other Potential Developments

4285 Middle Country Rd
Calverton, NY

 Other Potential Developments

 Site Boundary

(1) Island Water Park

 Tax Lot Boundary

(2) Tractor Supply Site

(3) Calverton Industrial Subdivision
(Ostdad Riverhead)

0 1,900 3,800 5,700 7,600 Feet

Sources: 1. EService Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; 2. Suffolk County Tax Parcel Data: NYS GIS Clearinghouse (data provided by Suffolk County)
Boundaries are approximate.

Document Path: W:\Projects\S-Z\TPO\2001\maps\SEQRA\FIG_OtherPotentialDevelopments.mxd