

FIGURES

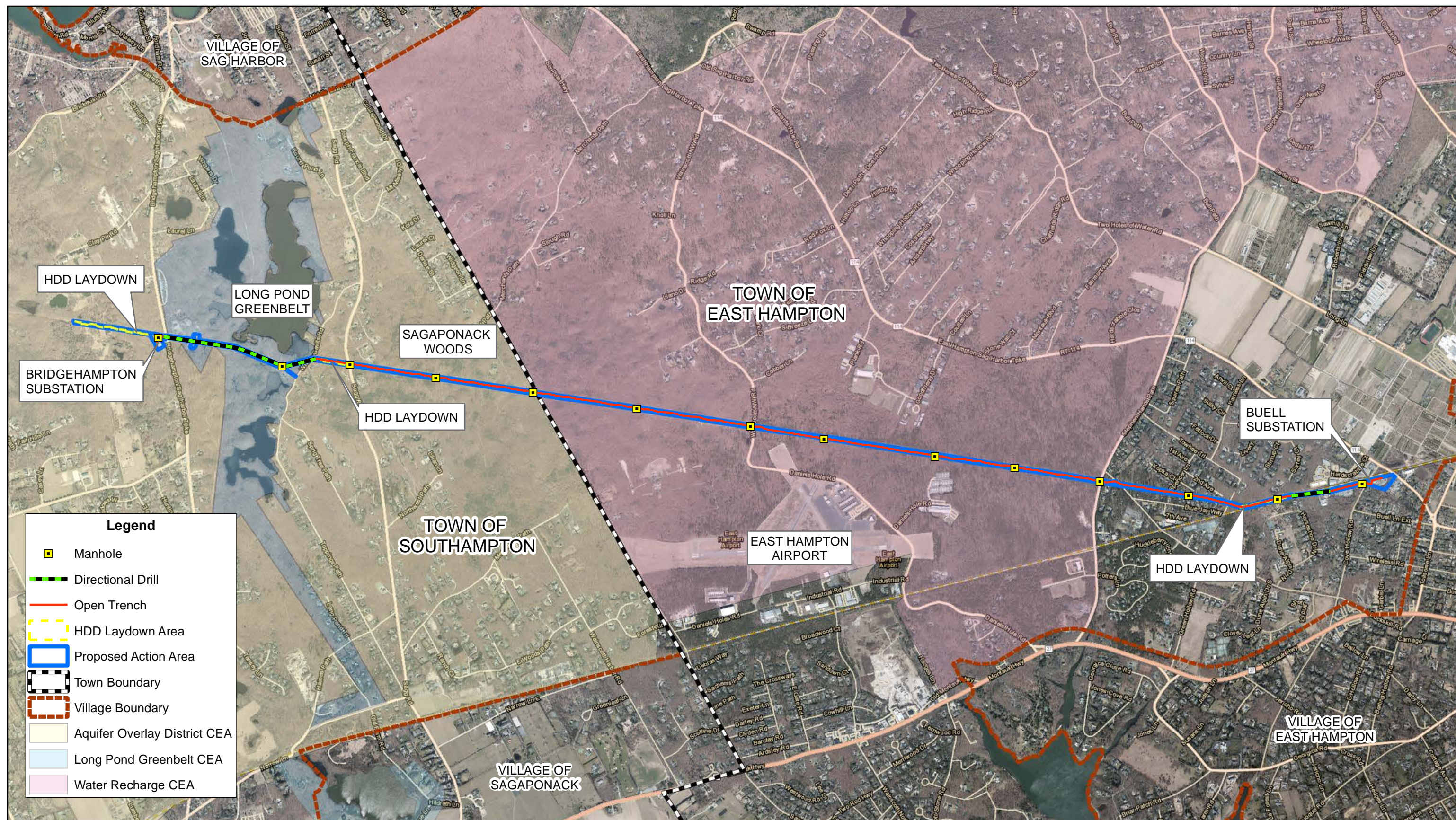
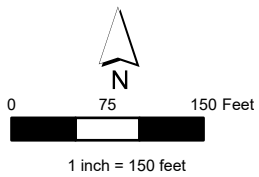
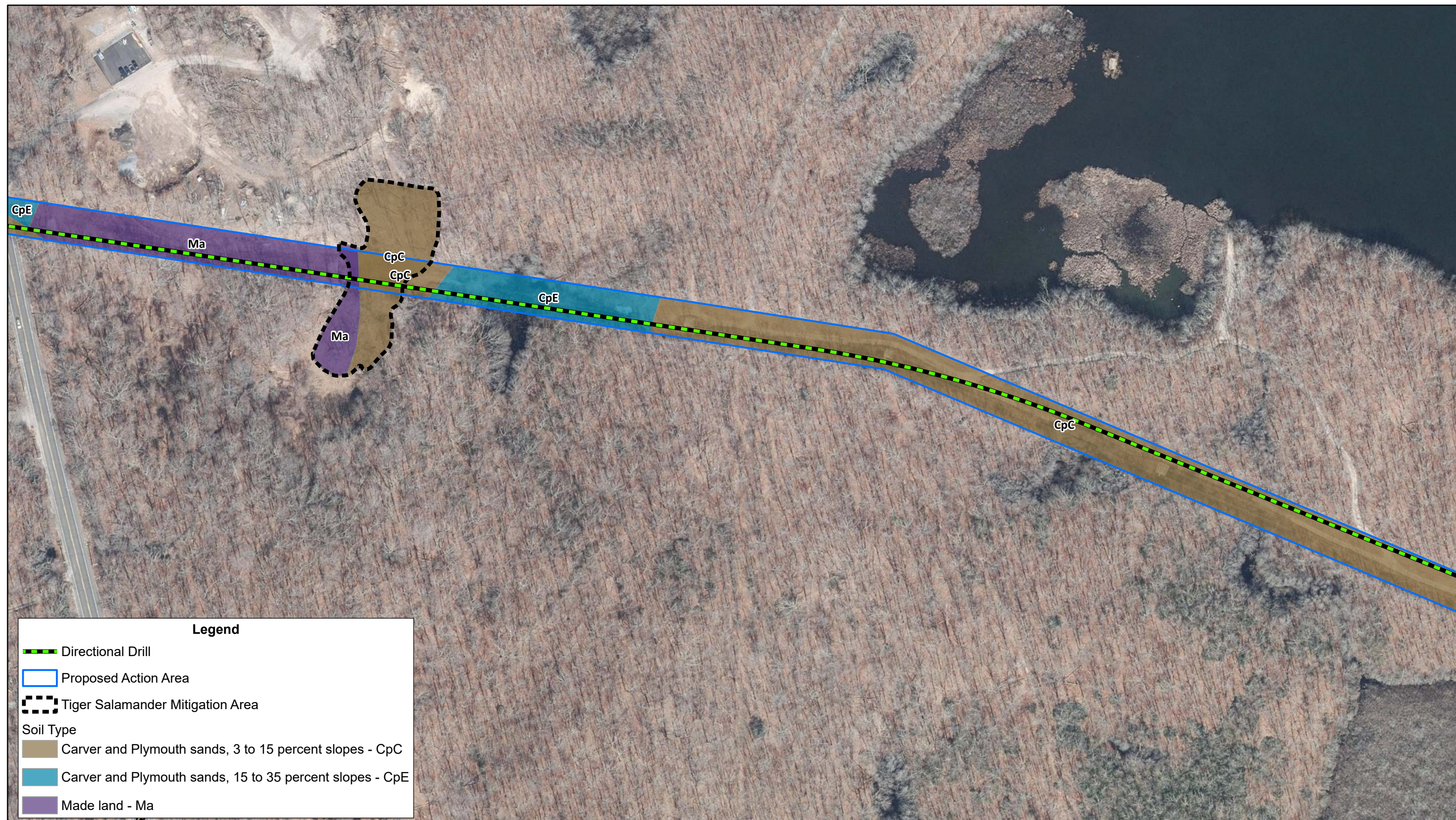




FIGURE 2-1a
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.





Legend

Directional Drill

Proposed Action Area

Tiger Salamander Mitigation Area

Soil Type

Carver and Plymouth sands, 3 to 15 percent slopes - CpC

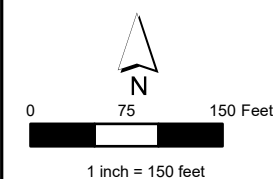
Carver and Plymouth sands, 15 to 35 percent slopes - CpE

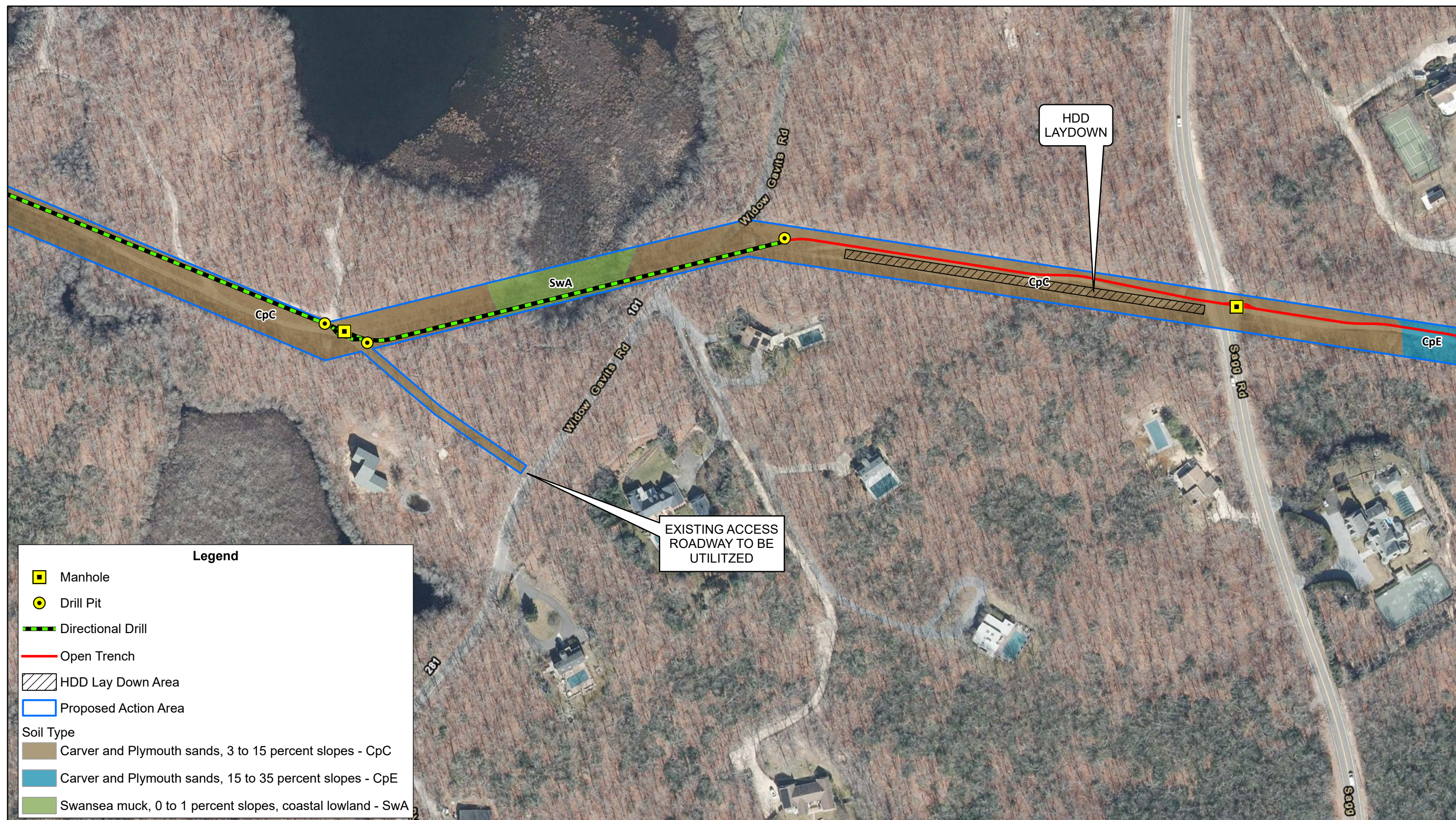
Made land - Ma



**FIGURE 2-1b
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE**

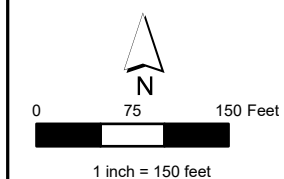
Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.










**FIGURE 2-1c
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE**

Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.





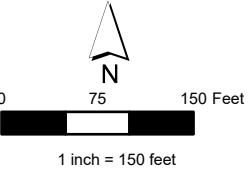
Legend

-  Manhole
-  Open Trench
-  Proposed Action Area
- Soil Type
 -  Carver and Plymouth sands, 3 to 15 percent slopes - CpC
 -  Carver and Plymouth sands, 15 to 35 percent slopes - CpE



**FIGURE 2-1d
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE**

Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.



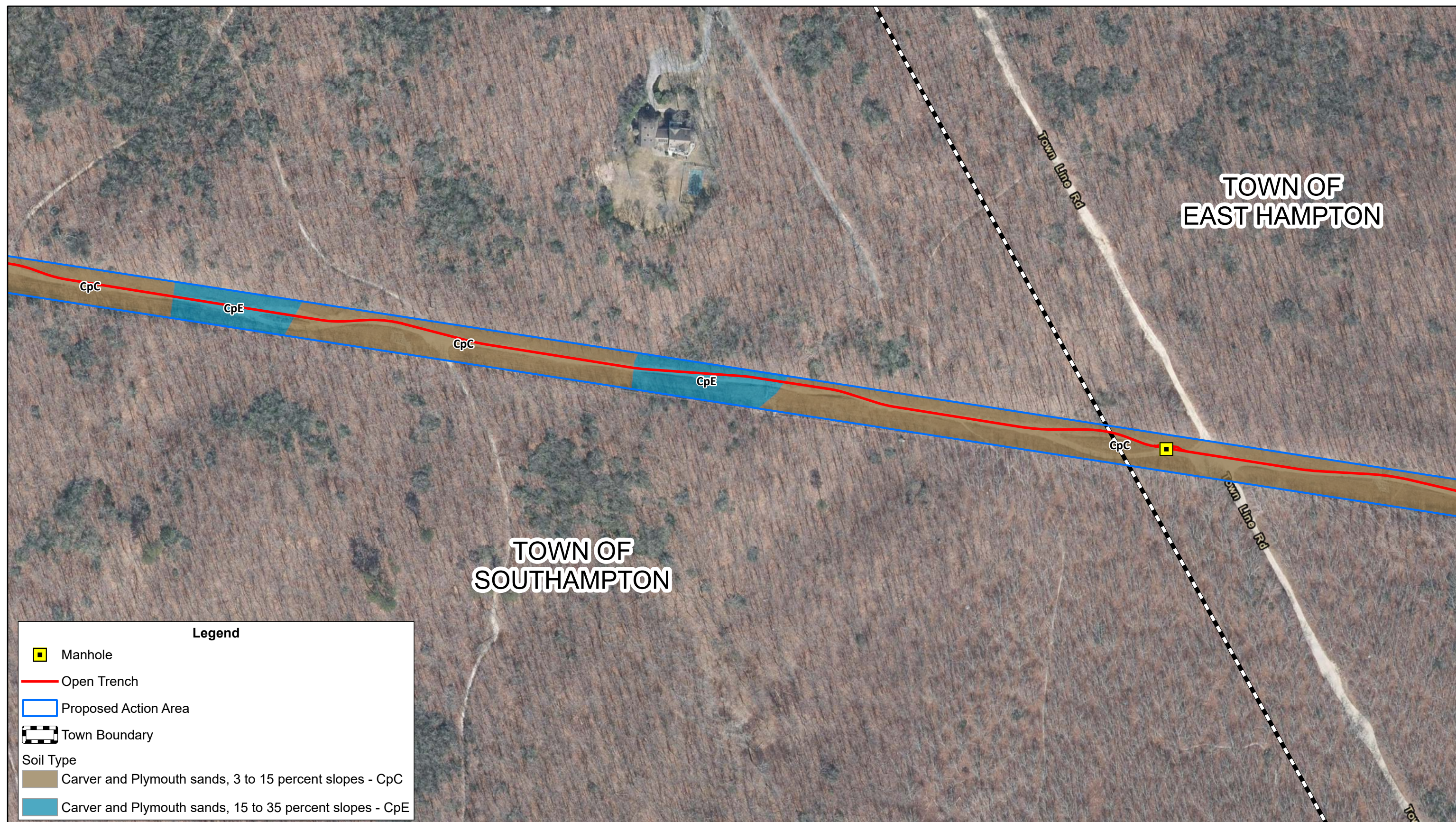
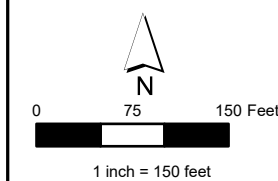


FIGURE 2-1e
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.





Manhole

Open Trench

Proposed Action Area

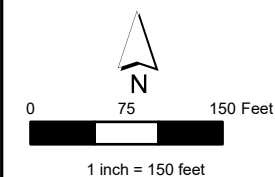
Soil Type

Carver and Plymouth sands, 3 to 15 percent slopes - CpC

Carver and Plymouth sands, 15 to 35 percent slopes - CpE


FIGURE 2-1f
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE


Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.







Legend

 Manhole

 Open Trench

 Proposed Action Area

Soil Type

 Carver and Plymouth sands, 3 to 15 percent slopes - CpC


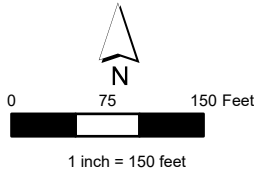
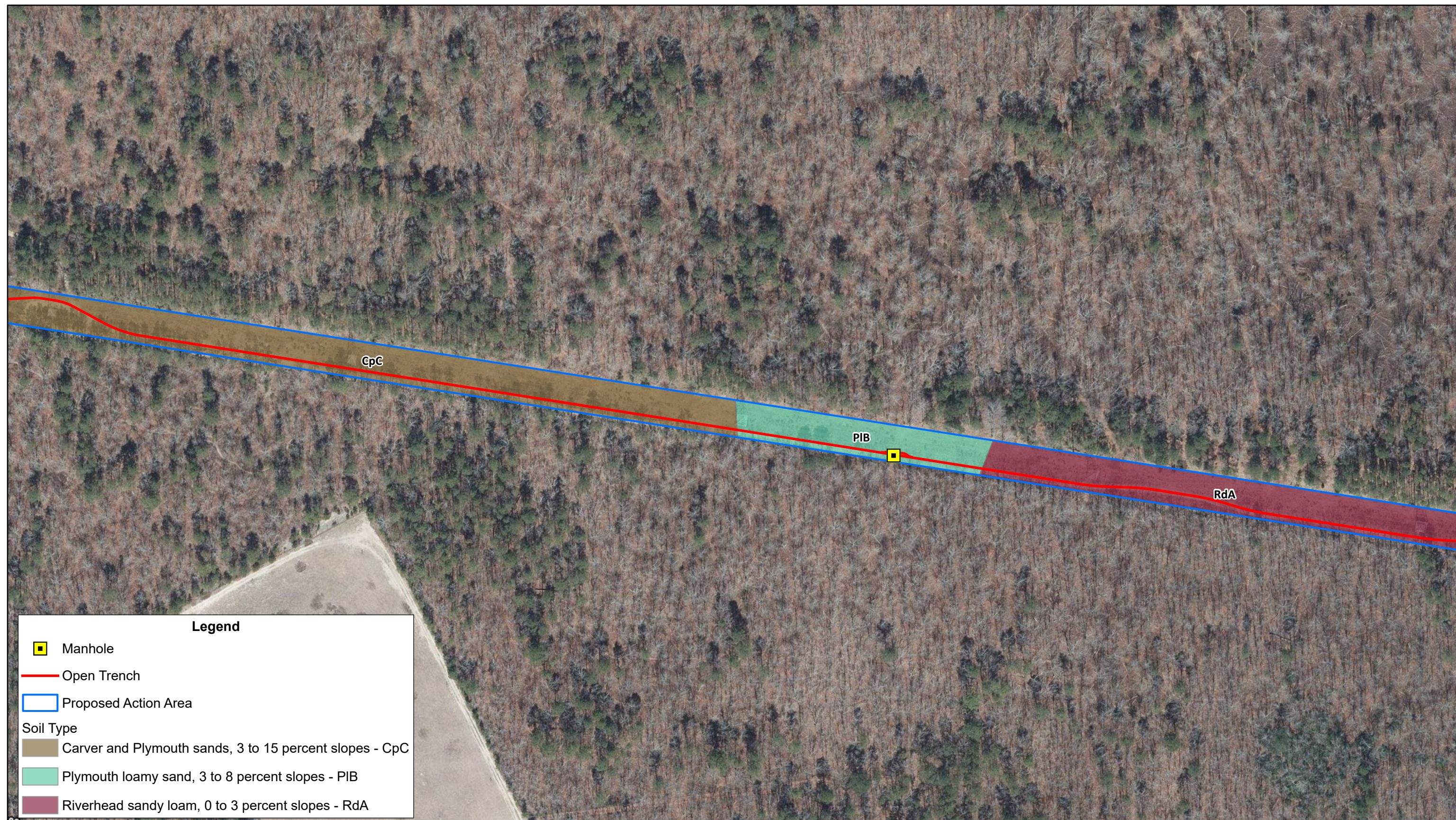
 Carver and Plymouth sands, 15 to 35 percent slopes - CpE



FIGURE 2-1g
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

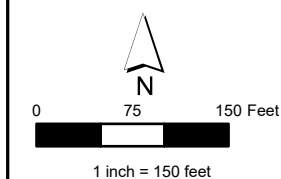
Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.





**FIGURE 2-1h
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE**

Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.





Manhole

Open Trench

Proposed Action Area

Soil Type

Plymouth loamy coarse sand, 0 to 3 percent slopes - PIA

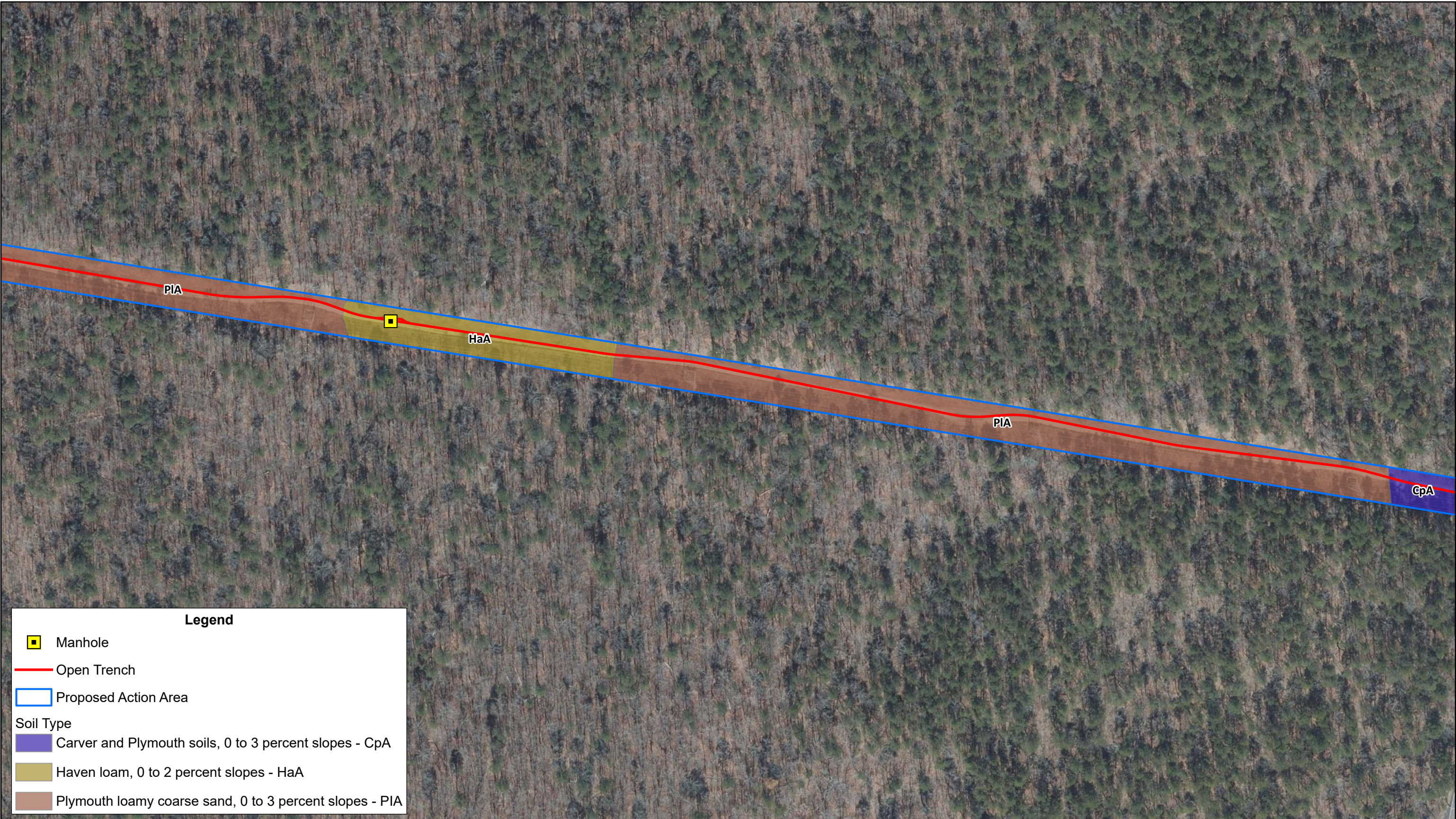
Riverhead sandy loam, 0 to 3 percent slopes - RdA

Legend


FIGURE 2-1i
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE


Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.


F-10| Page




Legend


 Manhole

 Open Trench

 Proposed Action Area

Soil Type

 Carver and Plymouth soils, 0 to 3 percent slopes - CpA

 Haven loam, 0 to 2 percent slopes - HaA


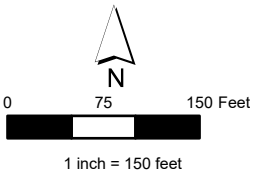
 Plymouth loamy coarse sand, 0 to 3 percent slopes - PIA



FIGURE 2-1j
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.



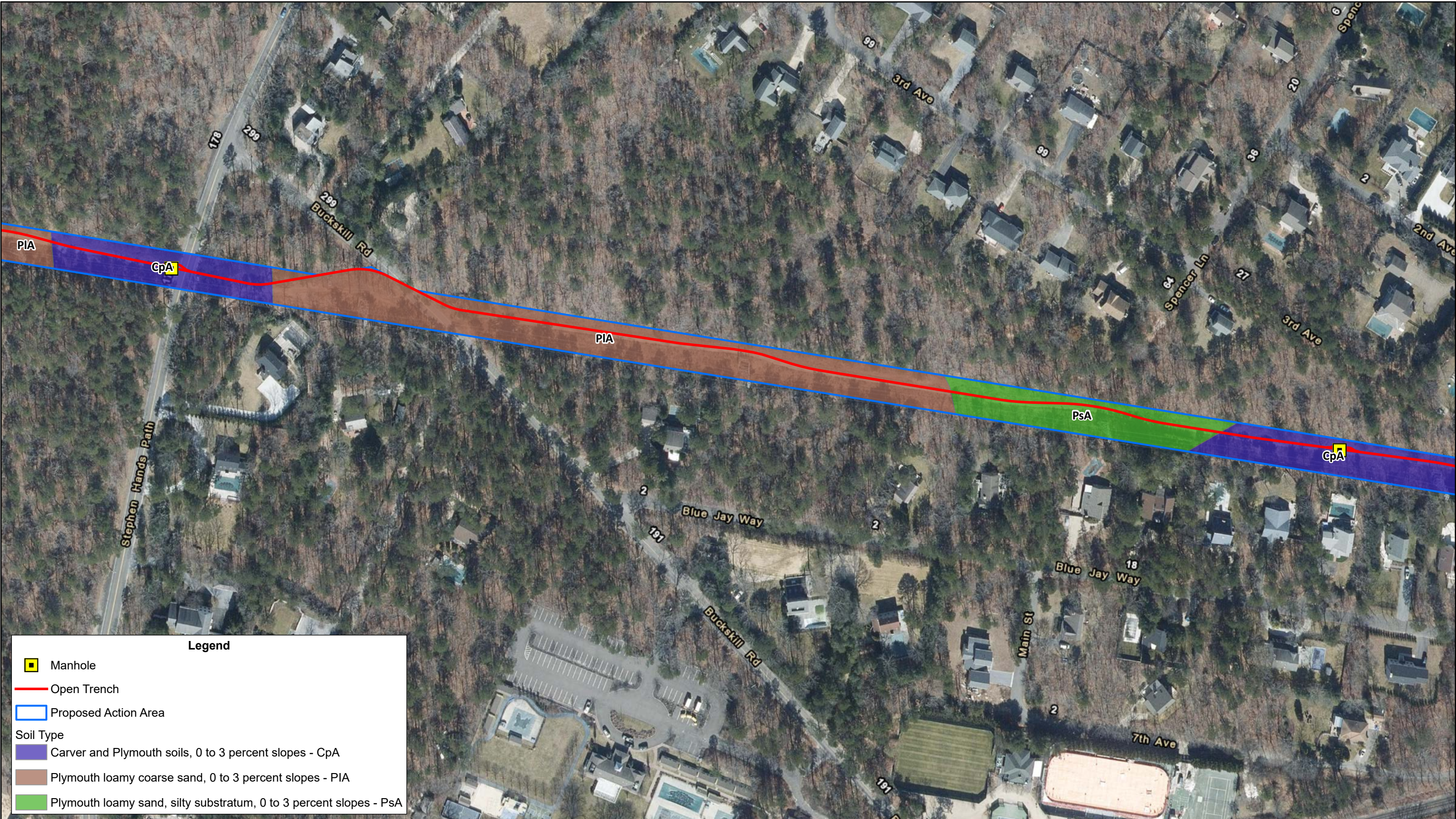
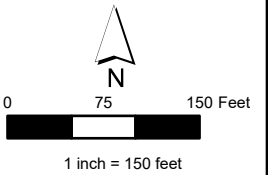
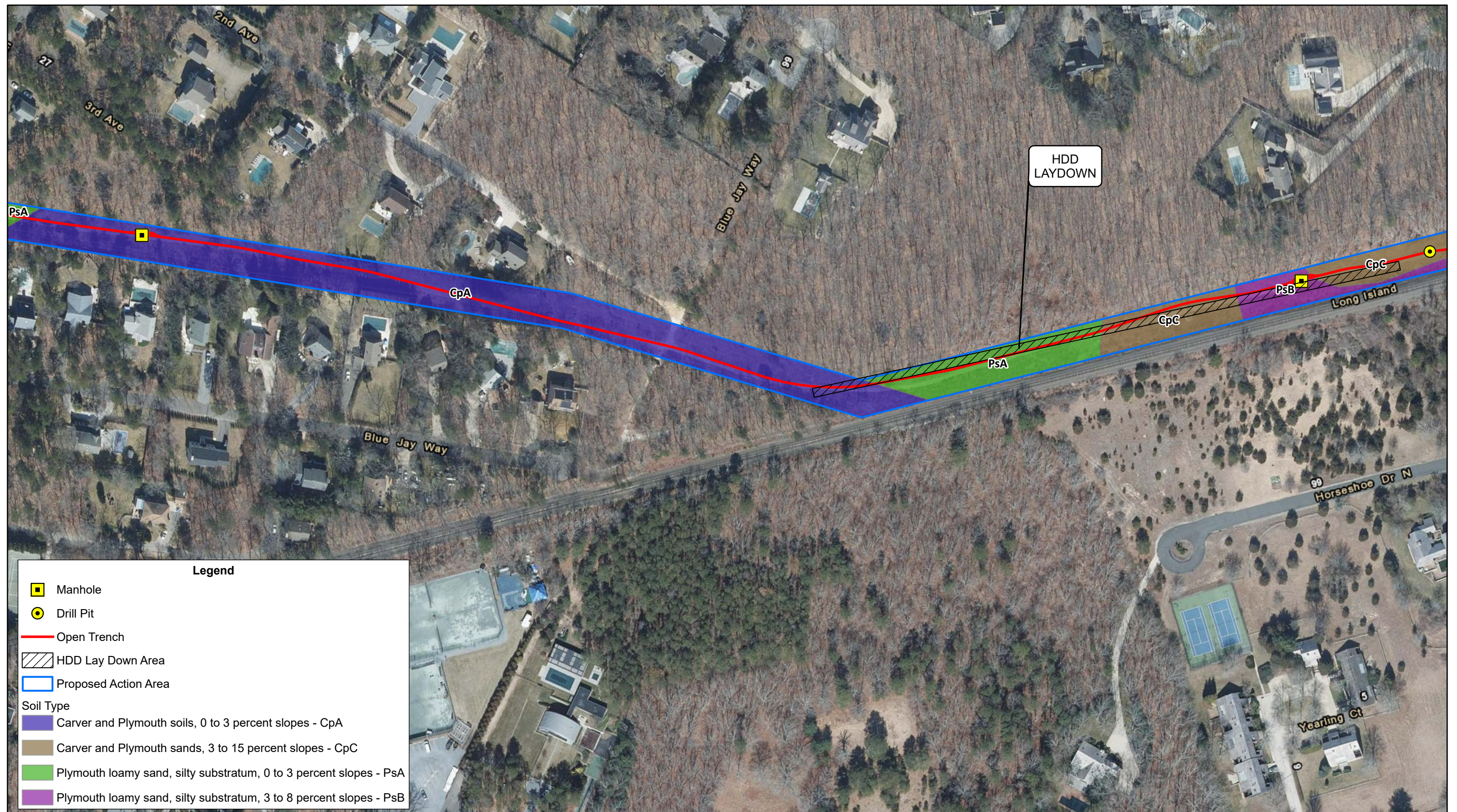


FIGURE 2-1k
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

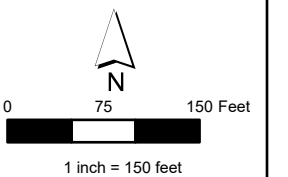
Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.





**FIGURE 2-11
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE**

Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.



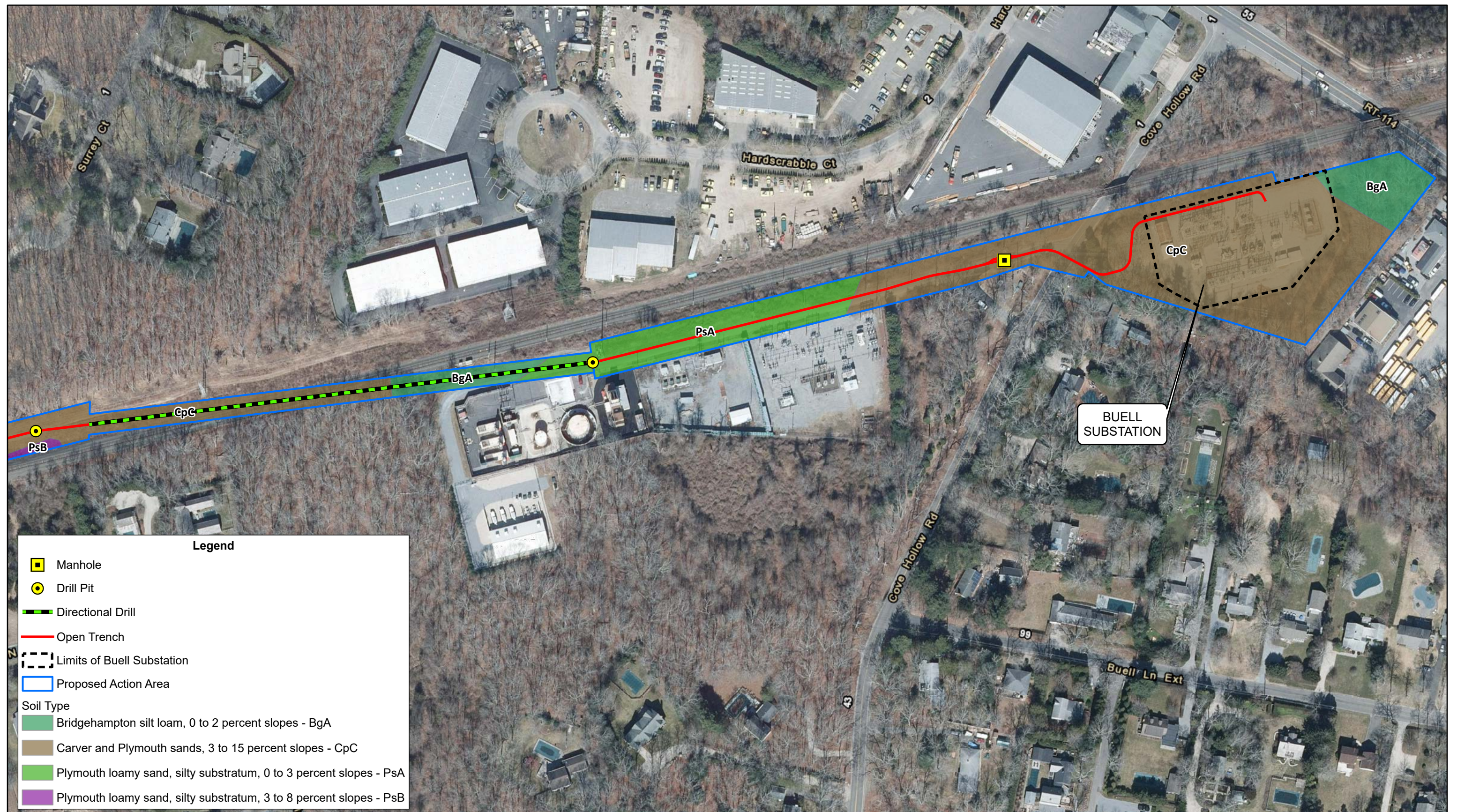
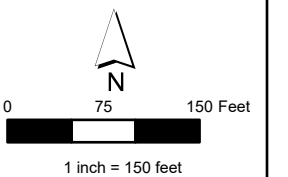
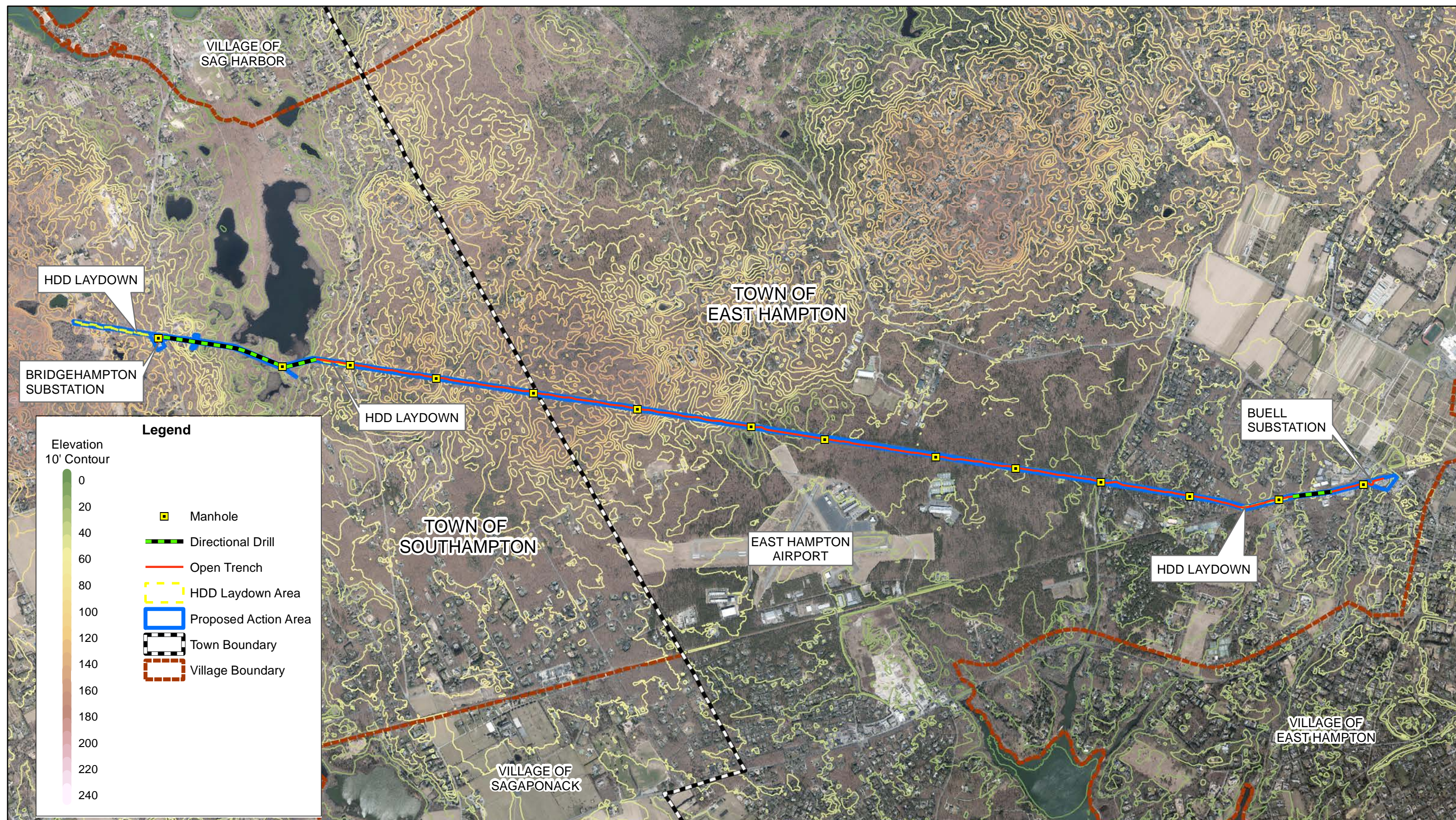


FIGURE 2-1m
EXISTING SOILS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; USDA NRCS, 2020; PSEG/Power Engineer Plan dated 1/15/2021.





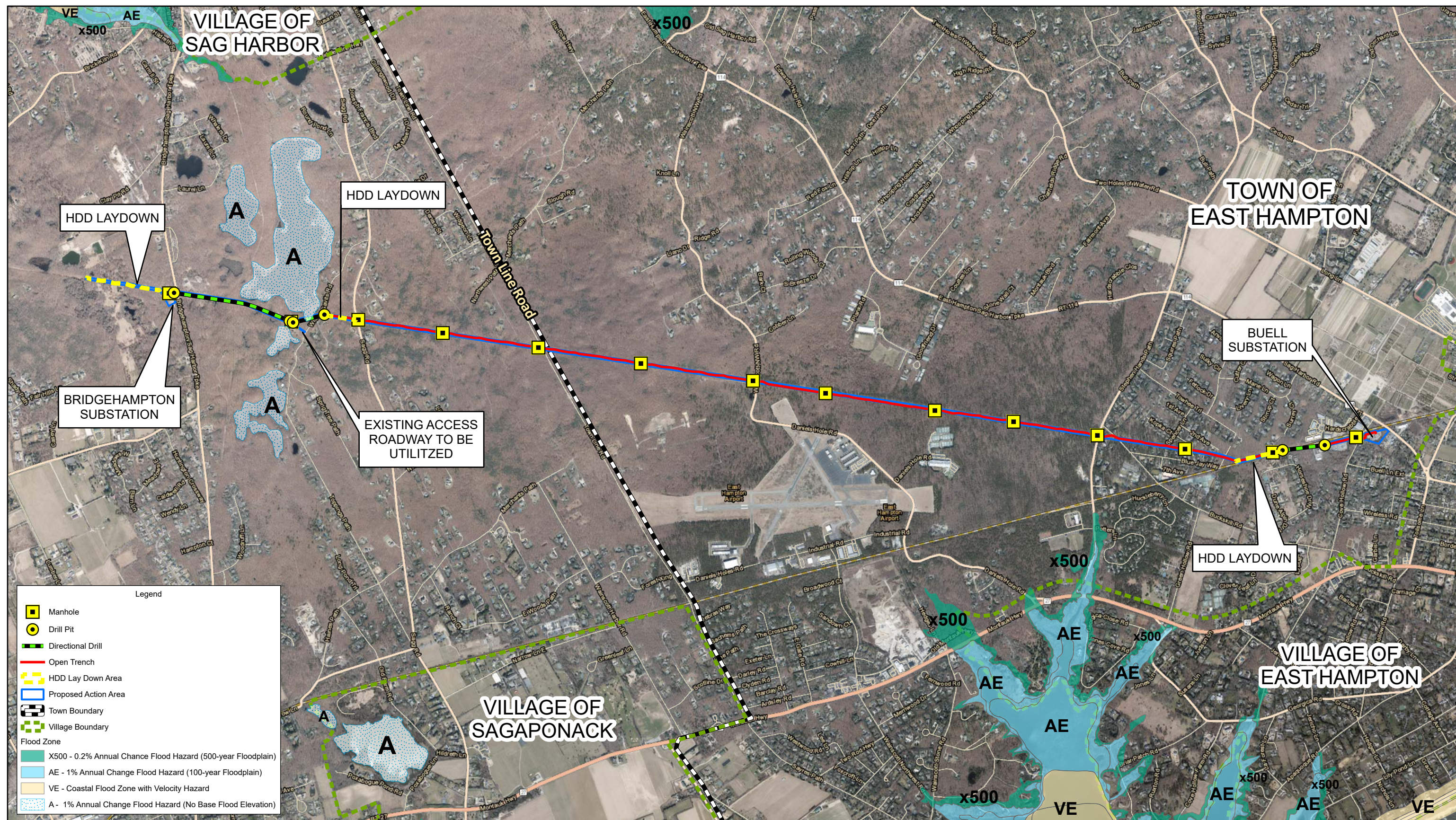
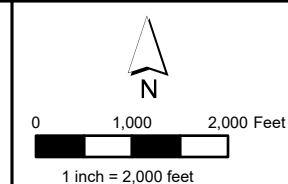


FIGURE 2-4
FLOODPLAINS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; FEMA Flood Zone data, 2013; PSEG/Power Engineer Plan dated 1/15/2021.



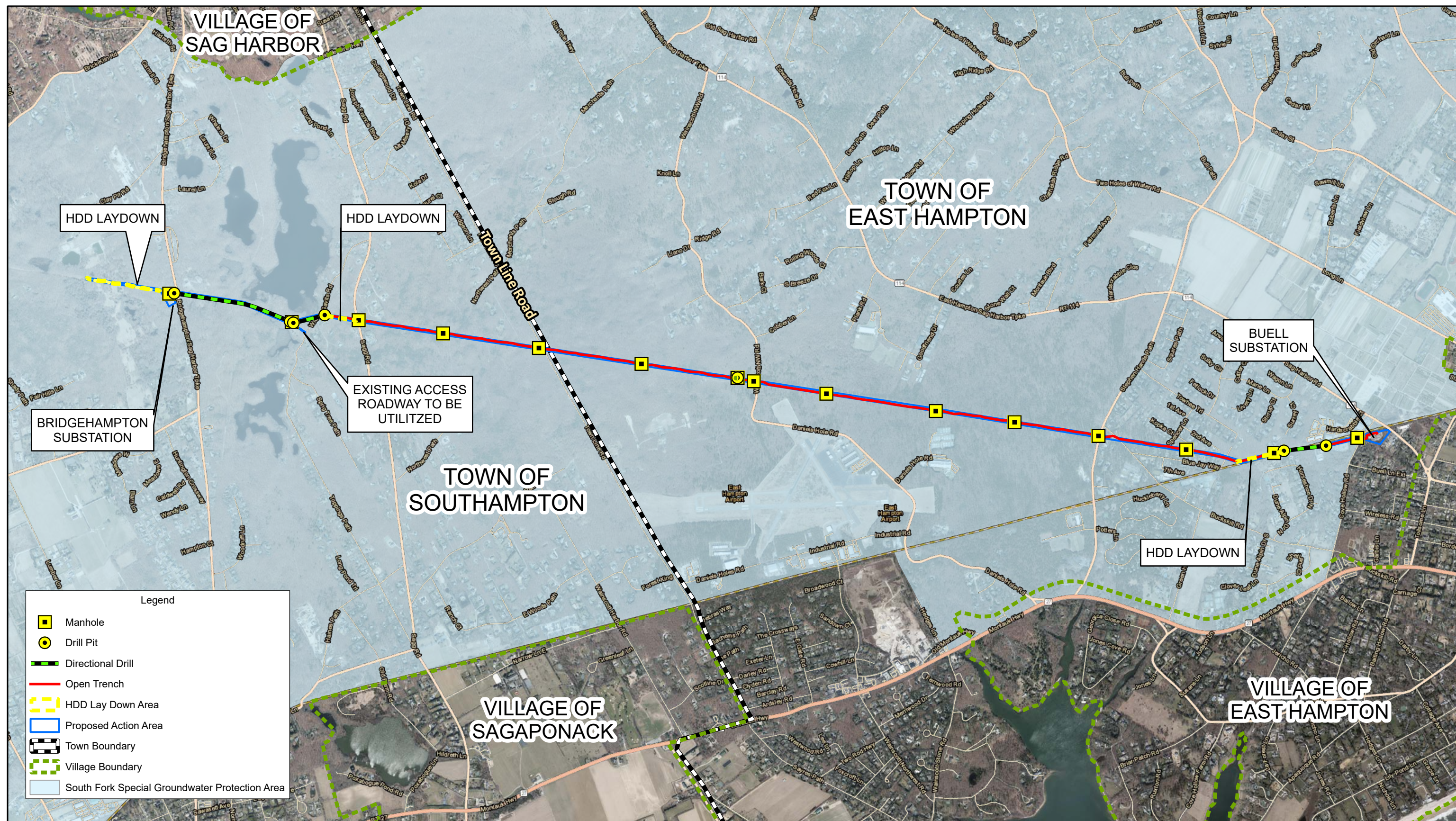
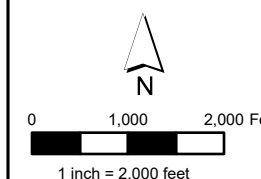


FIGURE 2-5
SPECIAL GROUNDWATER PROTECTION AREAS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; NYSDEC, 2020; PSEG/Power Engineer Plan dated 1/15/2021.



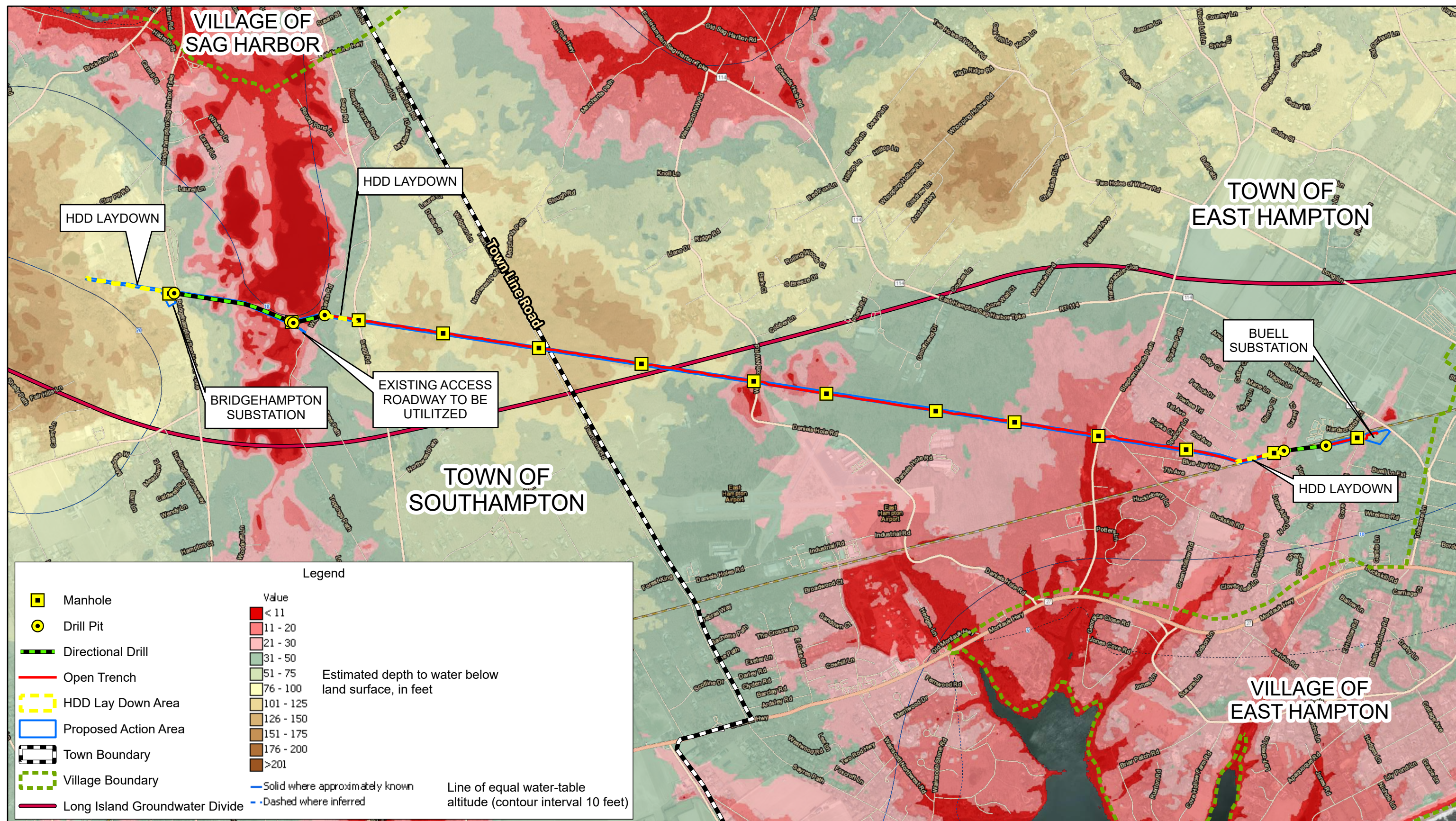
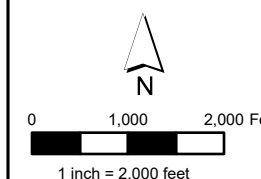


FIGURE 2-6
DEPTH TO GROUNDWATER
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; 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>; PSEG/Power Engineer Plan dated 1/15/2021.





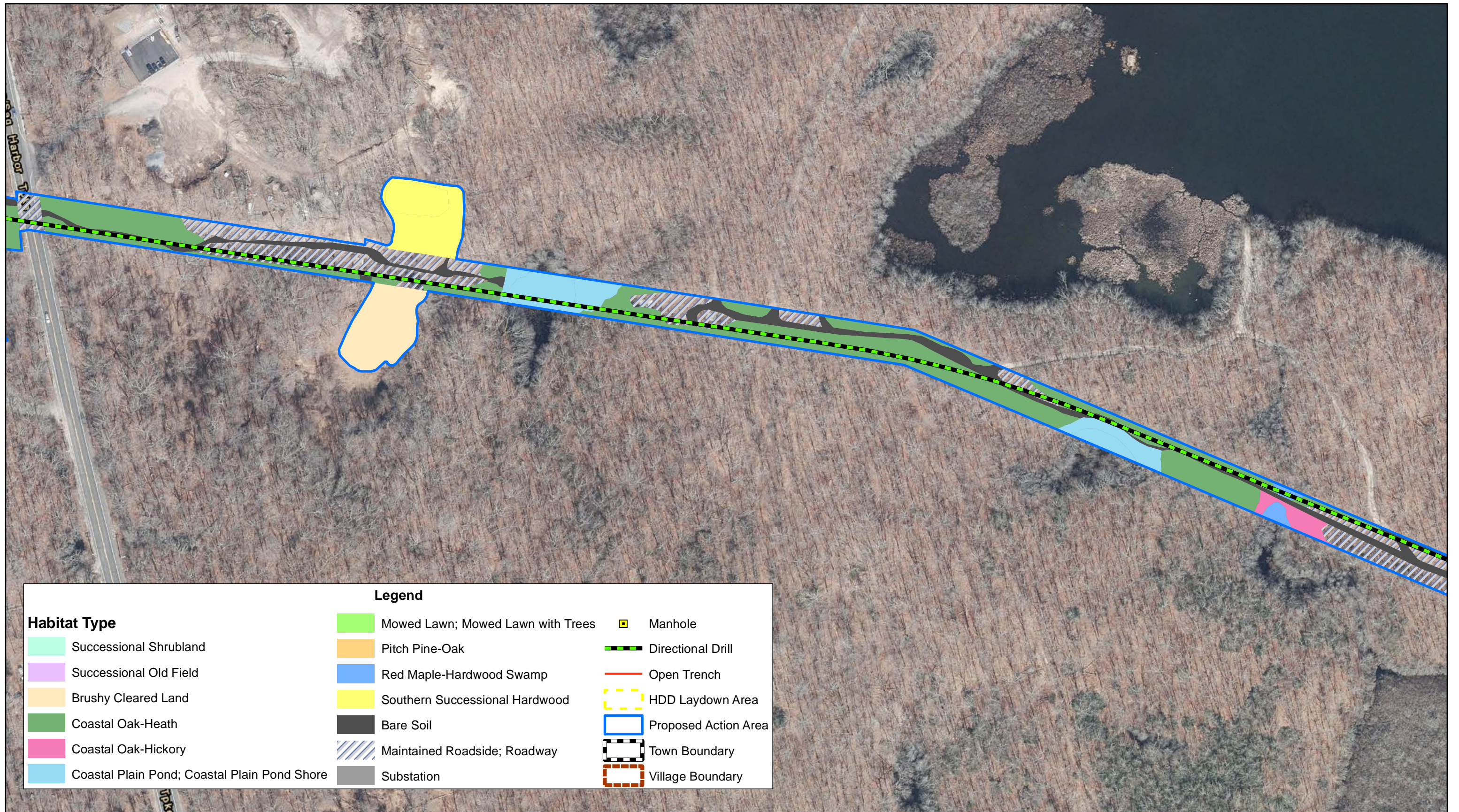
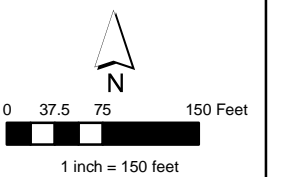
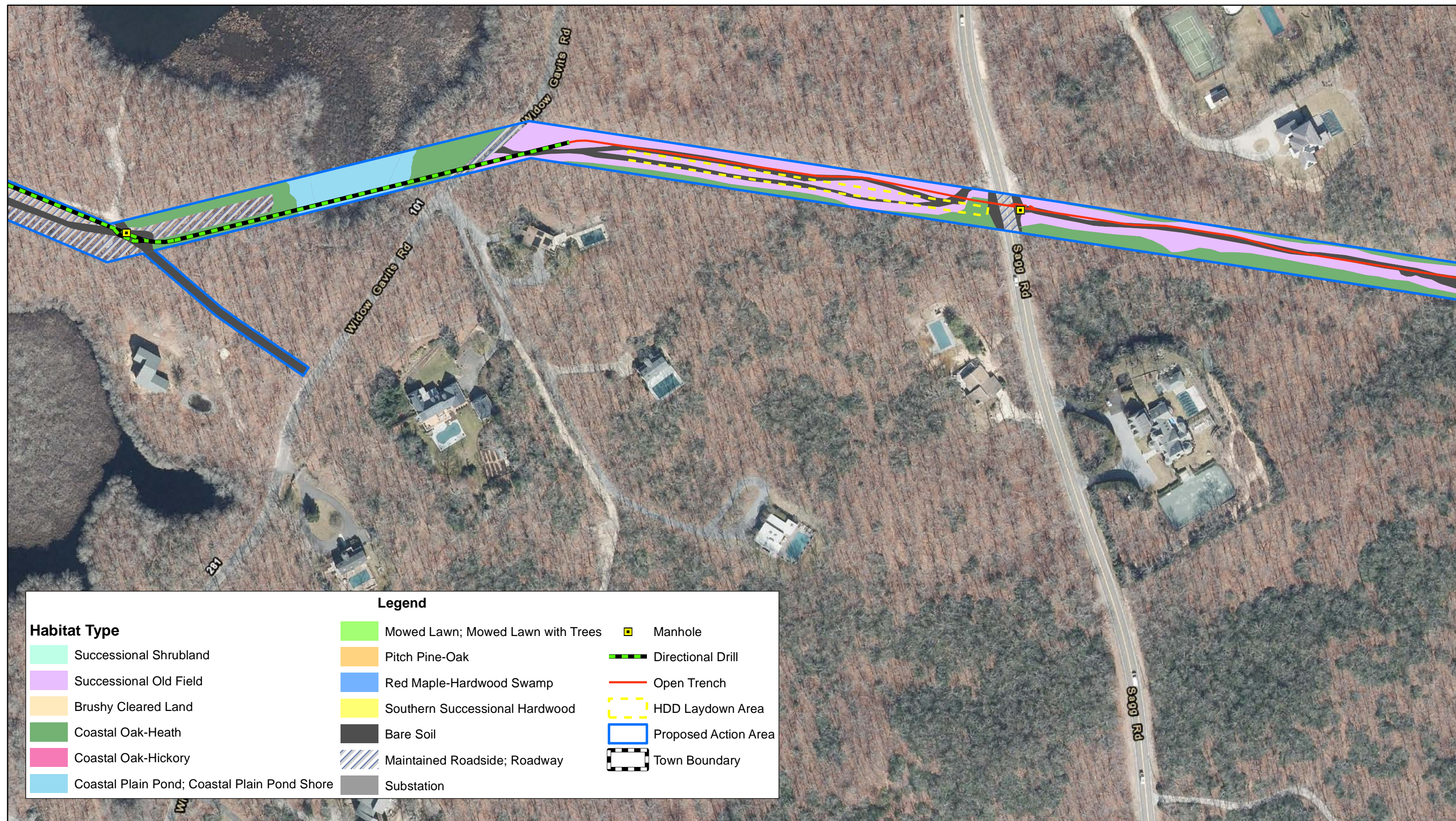


FIGURE 2-7b
PROPOSED ACTION HABITAT MAP
BRIDGEHAMPTON TO BUELL NEW 69kV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; PSEG Long Island Ecological Investigations January 8, March 11, May 8, June 24 and August 5 of 2019 and April 23, 2021.



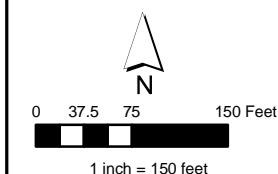


Habitat Type		Legend	
	Successional Shrubland		Mowed Lawn; Mowed Lawn with Trees
	Successional Old Field		Pitch Pine-Oak
	Brushy Cleared Land		Red Maple-Hardwood Swamp
	Coastal Oak-Heath		Southern Successional Hardwood
	Coastal Oak-Hickory		Bare Soil
	Coastal Plain Pond; Coastal Plain Pond Shore		Maintained Roadside; Roadway
			Substation
			Manhole
			Directional Drill
			Open Trench
			HDD Laydown Area
			Proposed Action Area
			Town Boundary



FIGURE 2-7c
PROPOSED ACTION HABITAT MAP
BRIDGEHAMPTON TO BUELL NEW 69kV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; PSEG Long Island Ecological Investigations January 8, March 11, May 8, June 24 and August 5 of 2019 and April 23, 2021.



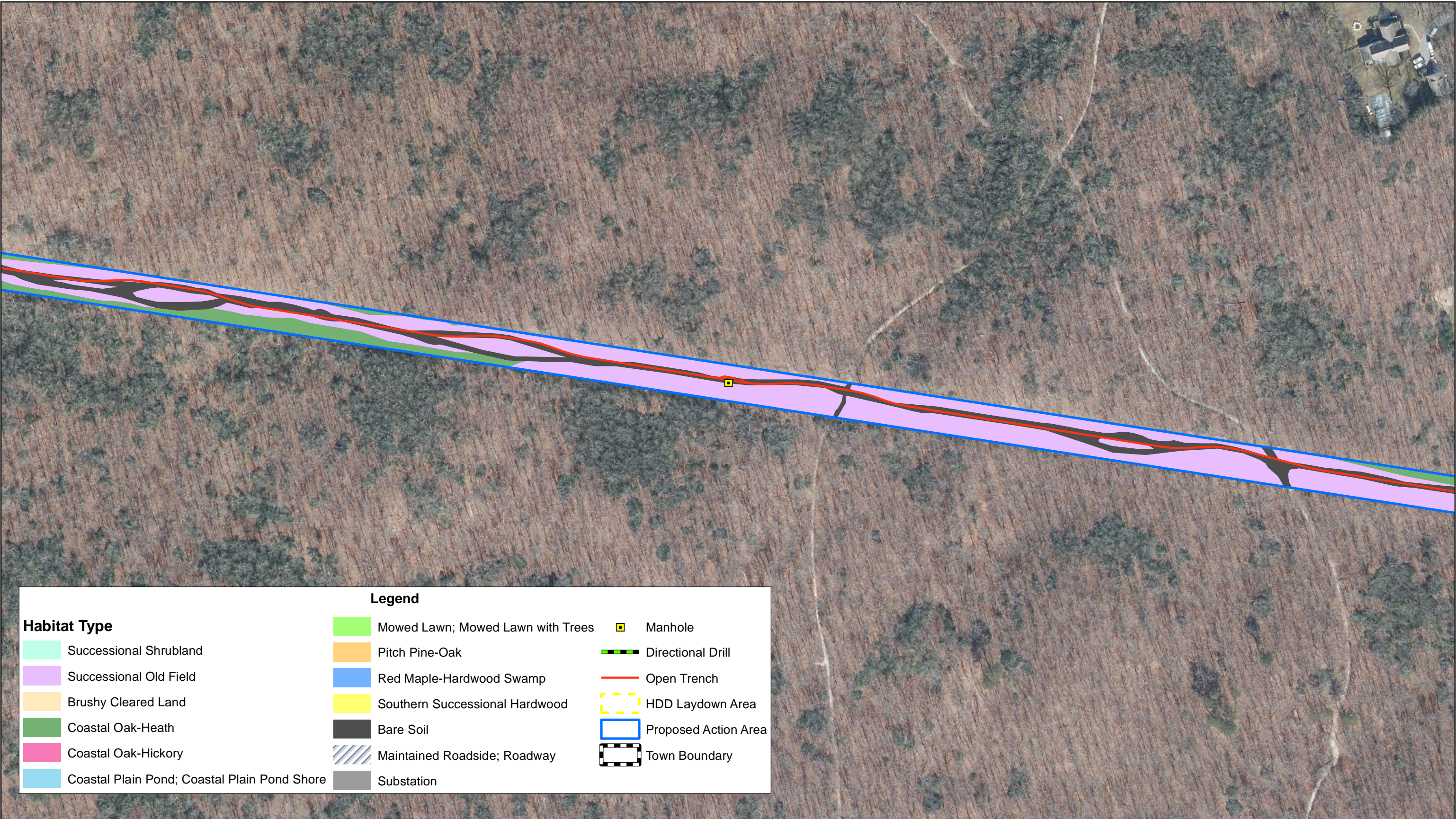
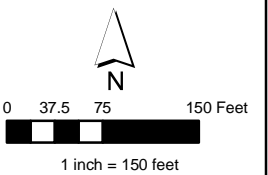


FIGURE 2-7d
PROPOSED ACTION HABITAT MAP
BRIDGEHAMPTON TO BUELL NEW 69KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; PSEG Long Island Ecological Investigations January 8, March 11, May 8, June 24 and August 5 of 2019 and April 23, 2021.



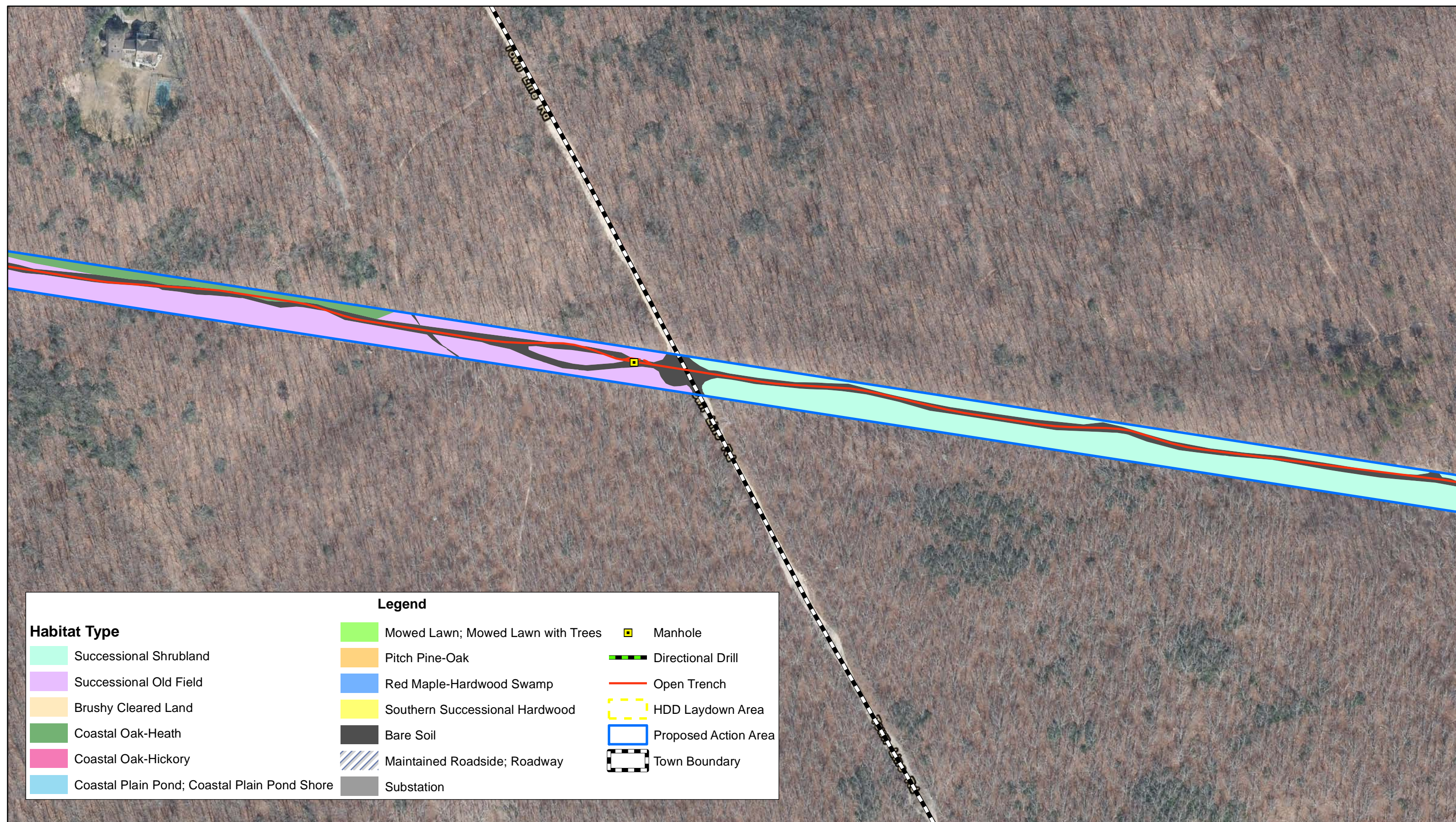


FIGURE 2-7e
PROPOSED ACTION HABITAT MAP
BRIDGEHAMPTON TO BUELL NEW 69kV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; PSEG Long Island Ecological Investigations January 8, March 11, May 8, June 24 and August 5 of 2019 and April 23, 2021.

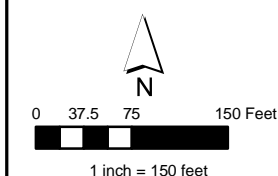
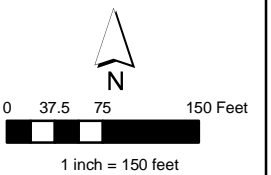




FIGURE 2-7f
PROPOSED ACTION HABITAT MAP
BRIDGEHAMPTON TO BUELL NEW 69kV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; PSEG Long Island Ecological Investigations January 8, March 11, May 8, June 24 and August 5 of 2019 and April 23, 2021.



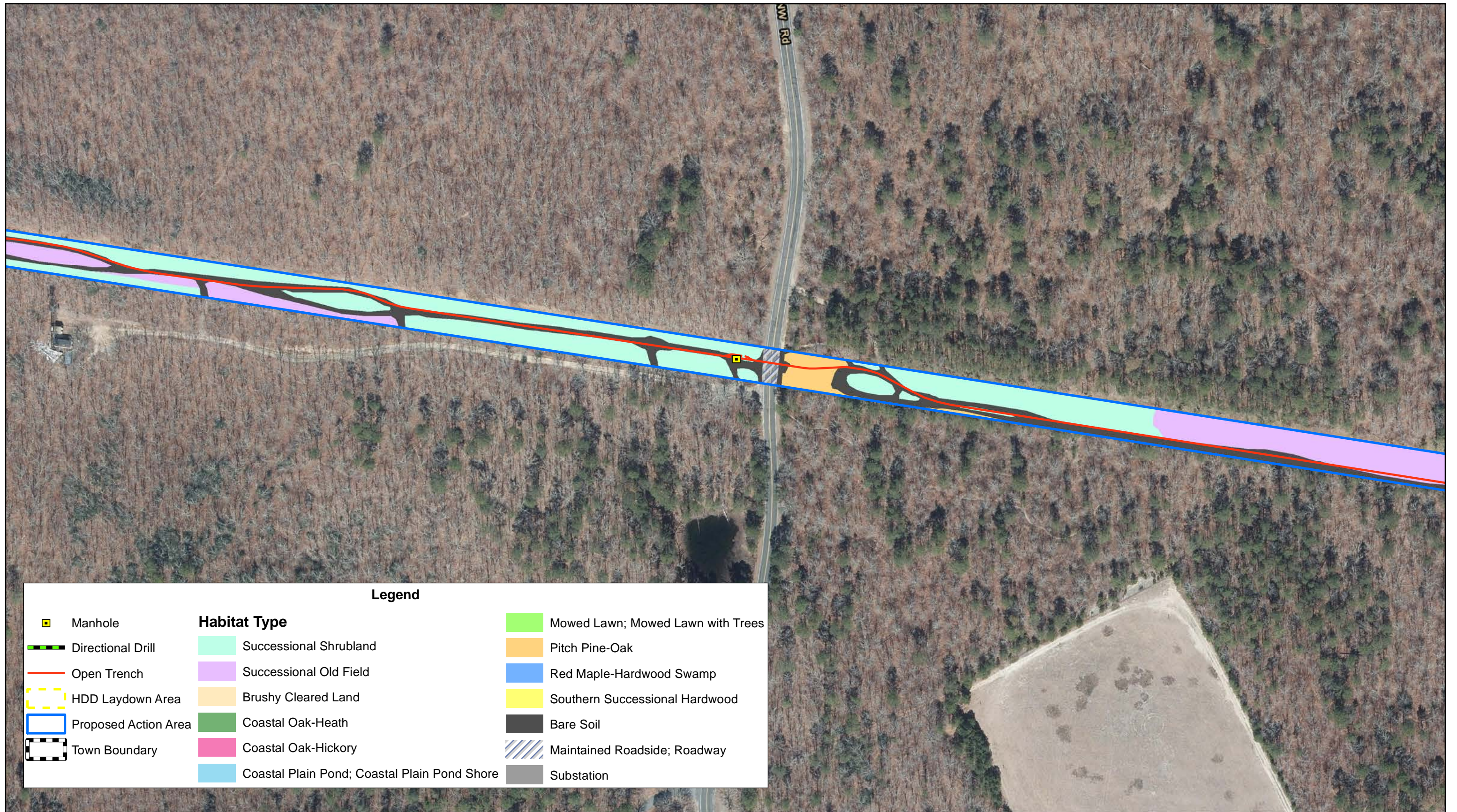
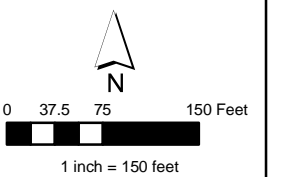


FIGURE 2-7g
PROPOSED ACTION HABITAT MAP
BRIDGEHAMPTON TO BUELL NEW 69kV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; PSEG Long Island Ecological Investigations January 8, March 11, May 8, June 24 and August 5 of 2019 and April 23, 2021.



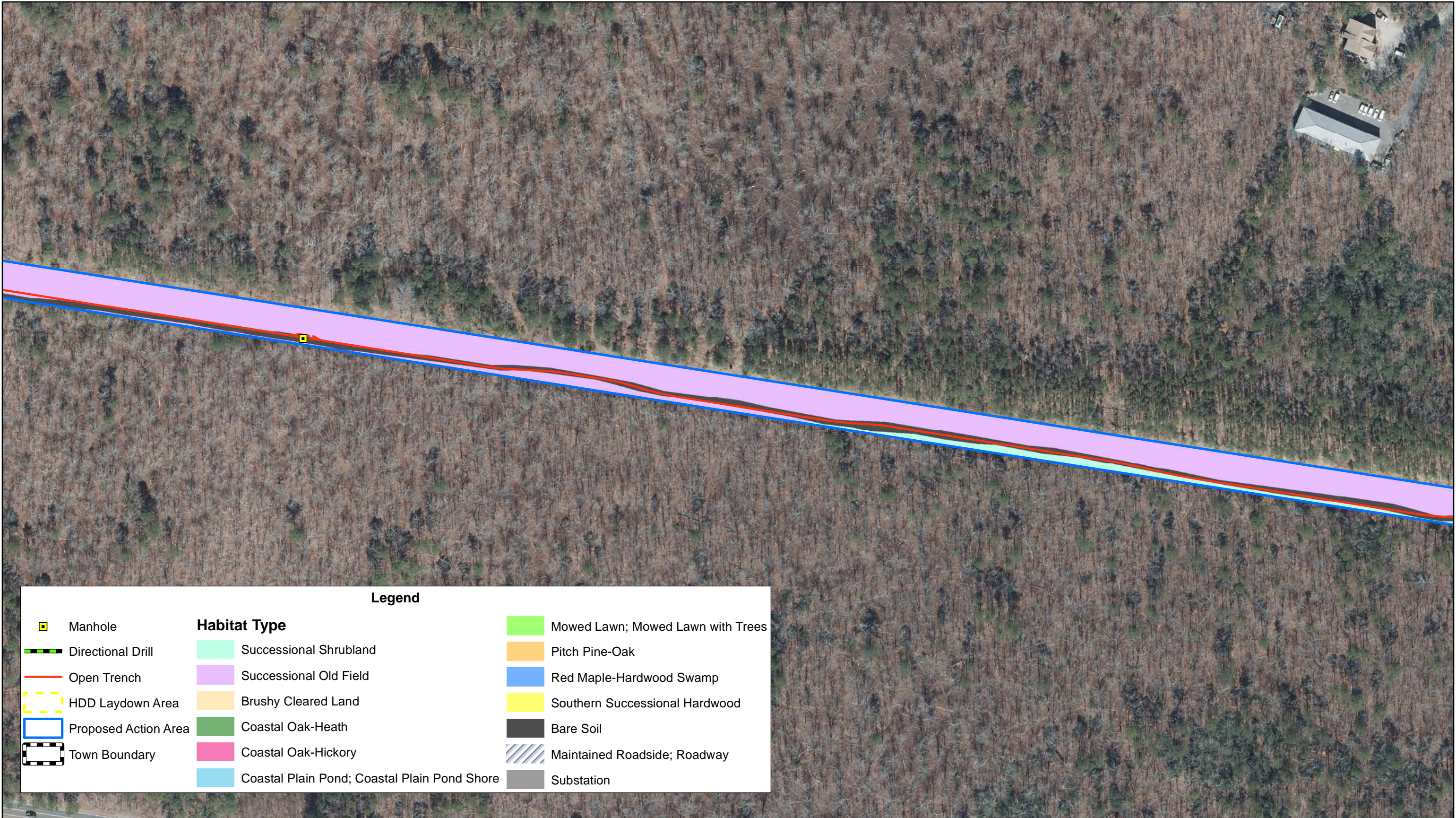
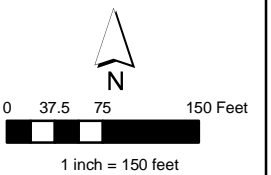


FIGURE 2-7h
PROPOSED ACTION HABITAT MAP
BRIDGEHAMPTON TO BUELL NEW 69kV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; PSEG Long Island Ecological Investigations January 8, March 11, May 8, June 24 and August 5 of 2019 and April 23, 2021.



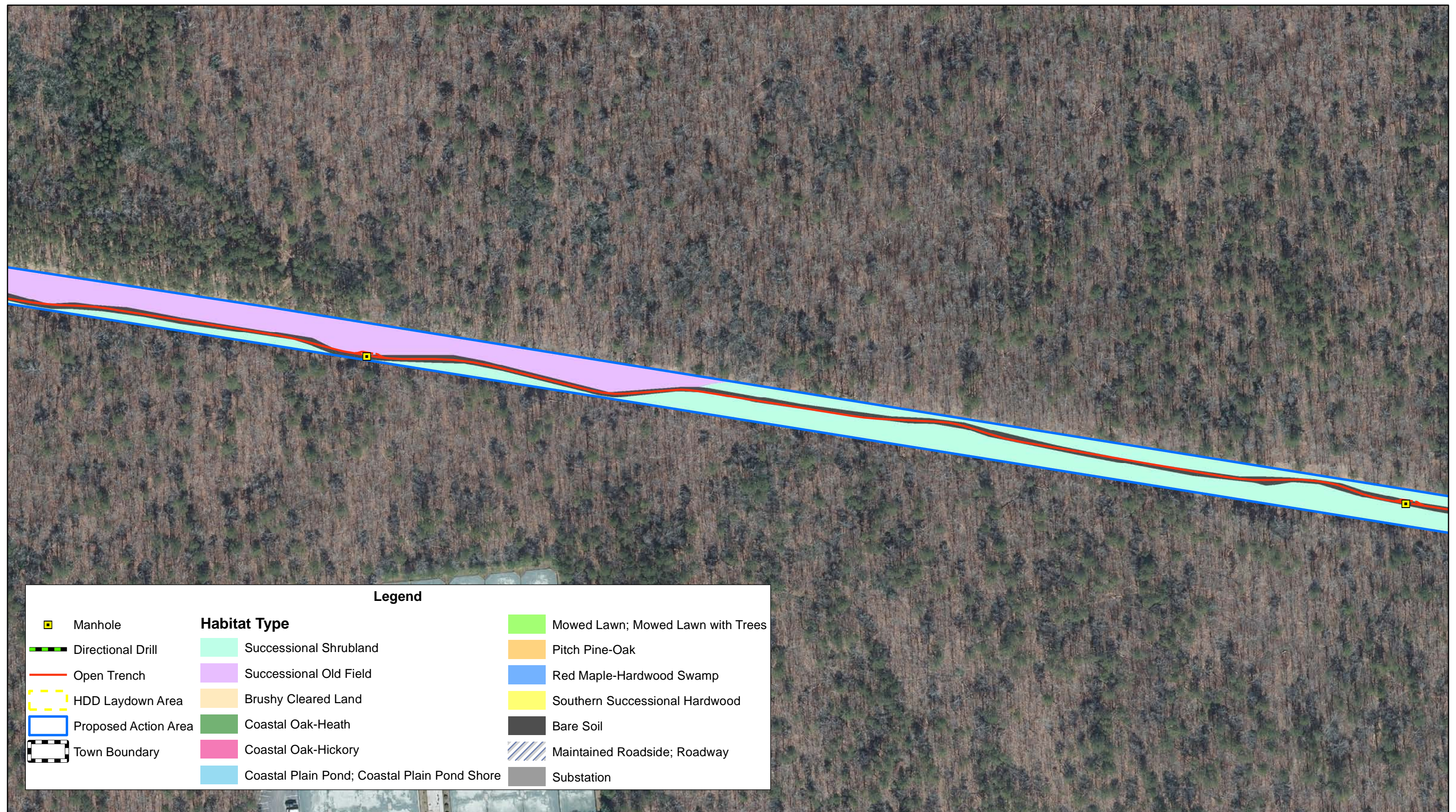
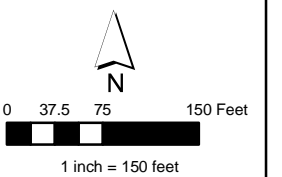
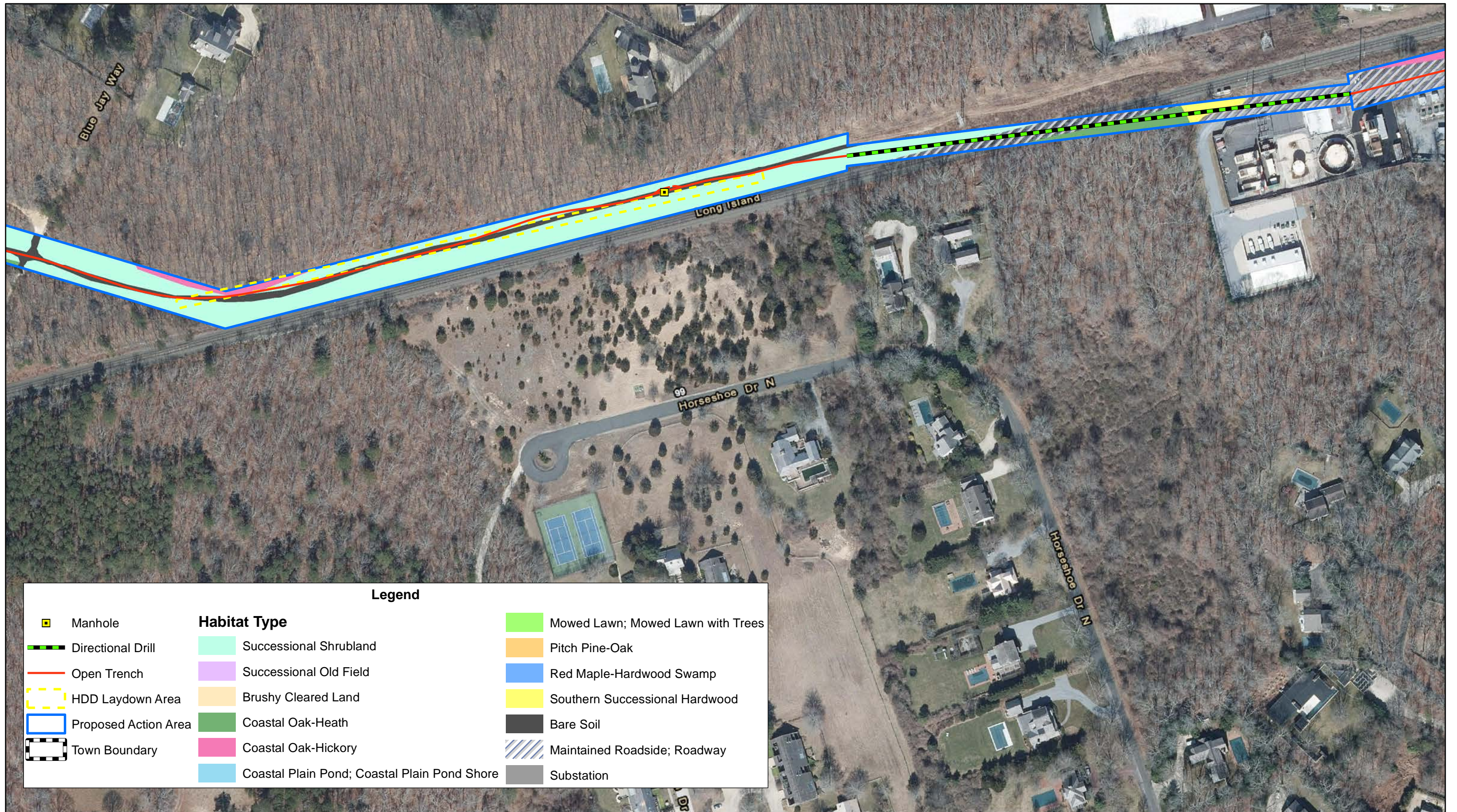


FIGURE 2-7i
PROPOSED ACTION HABITAT MAP
BRIDGEHAMPTON TO BUELL NEW 69kV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; PSEG Long Island Ecological Investigations January 8, March 11, May 8, June 24 and August 5 of 2019 and April 23, 2021.







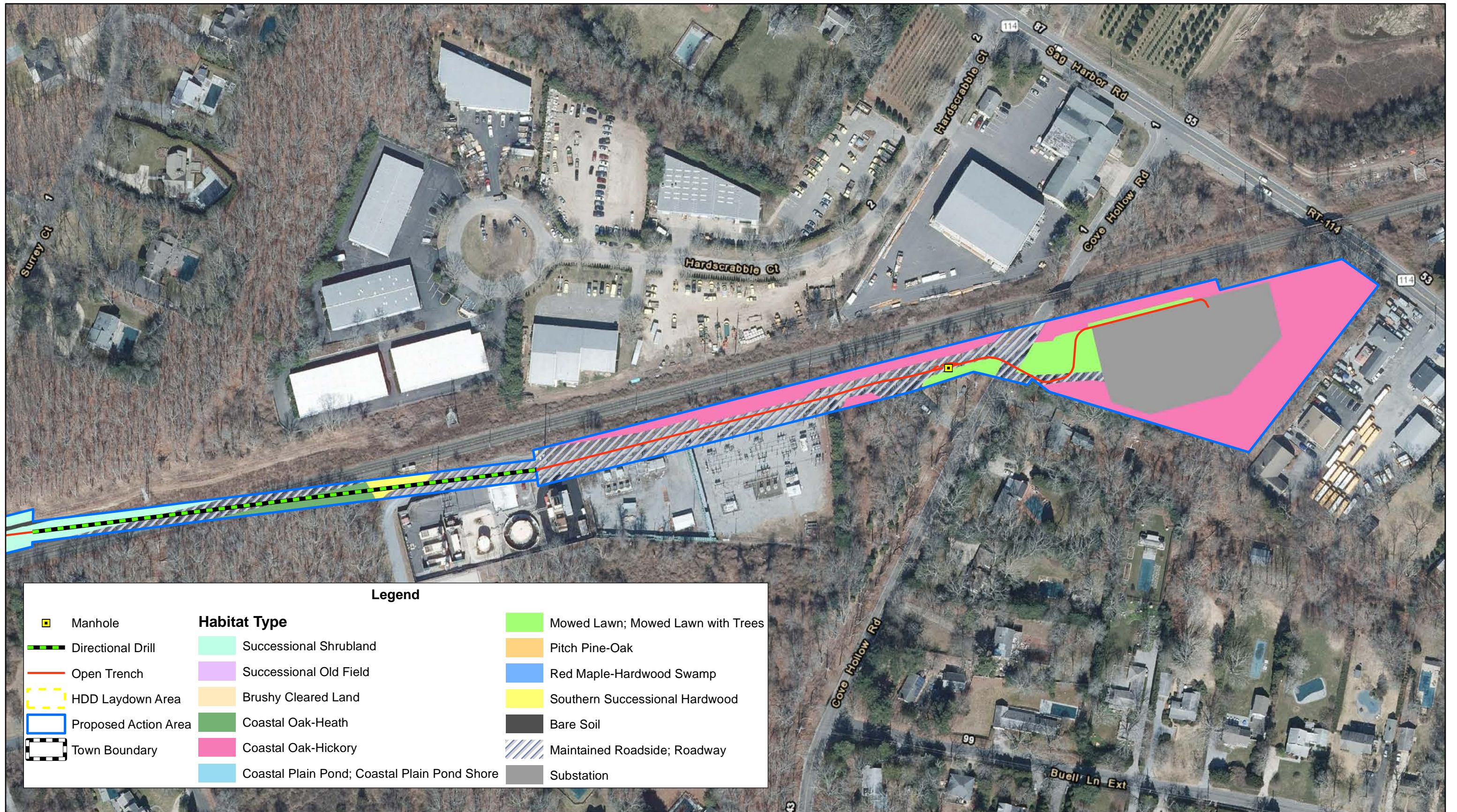
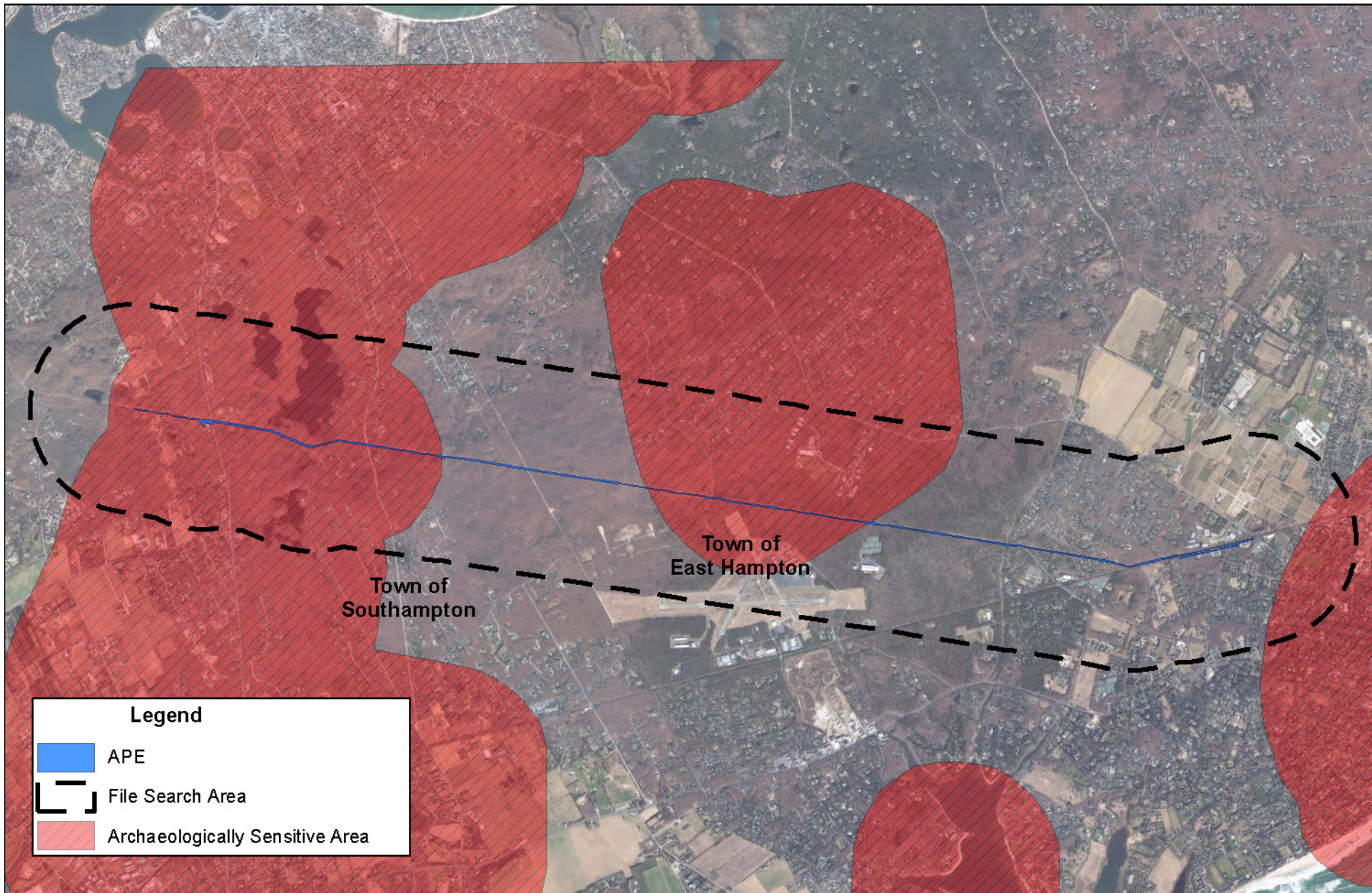








FIGURE 3-1
APE LOCATION- FULL CORRIDOR
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; ESRI World Street Map, 2021.



Legend

 APE

 File Search Area



 Archaeologically Sensitive Area




FIGURE 3-2
ARCHAEOLOGICAL SENSITIVITY MAP
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION
CABLE

Sources: NYS Orthoimagery, 2020; NYS CRIS, 2021.


 N

0 875 1,750 3,500 Feet



1 inch = 3,500 feet



FIGURE 3-3a
RESULTS OF SURVEY - DETAIL VIEW (A)
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE
 Source; NYS Orthoimagery, 2020; PaleoWest Site investigation, July 12-19, 2021 August 9-13, 2021.





FIGURE 3-3c
RESULTS OF SURVEY - DETAIL VIEW (C)
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE
 Source; NYS Orthoimagery, 2020; PaleoWest Site investigation, July 12-19, 2021 August 9-13, 2021.



FIGURE 3-3d
RESULTS OF SURVEY - DETAIL VIEW (D)
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE
 Source; NYS Orthoimagery, 2020; PaleoWest Site investigation, July 12-19, 2021 August 9-13, 2021.



FIGURE 3-3e
RESULTS OF SURVEY - DETAIL VIEW (E)
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE
 Source; NYS Orthoimagery, 2020; PaleoWest Site investigation, July 12-19, 2021 August 9-13, 2021.

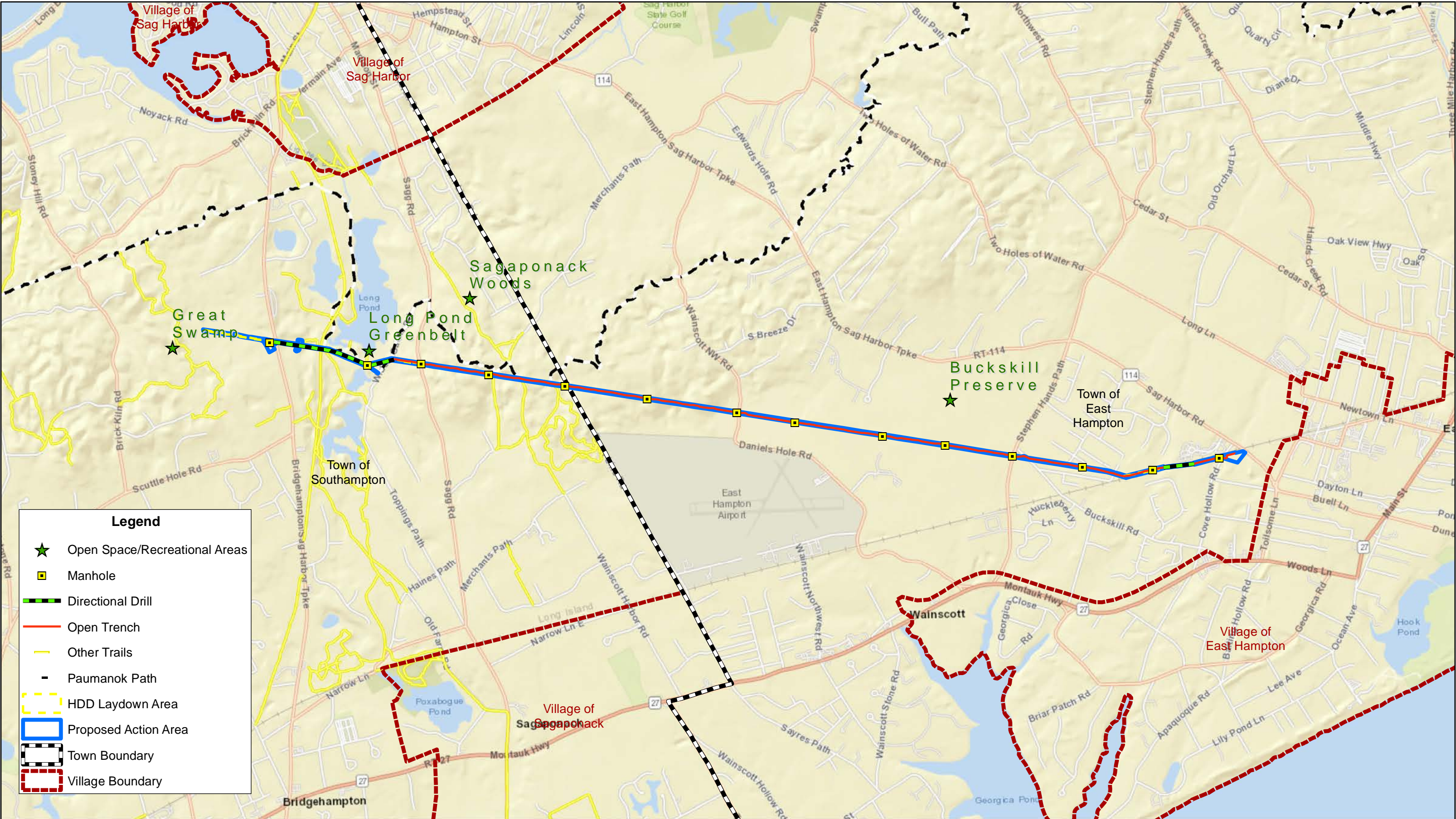
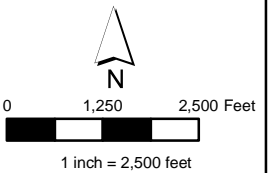


FIGURE 3-4
OPEN SPACE AND RECREATIONAL RESOURCES
BRIDGE TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; ESRI World Street Map, 2021.



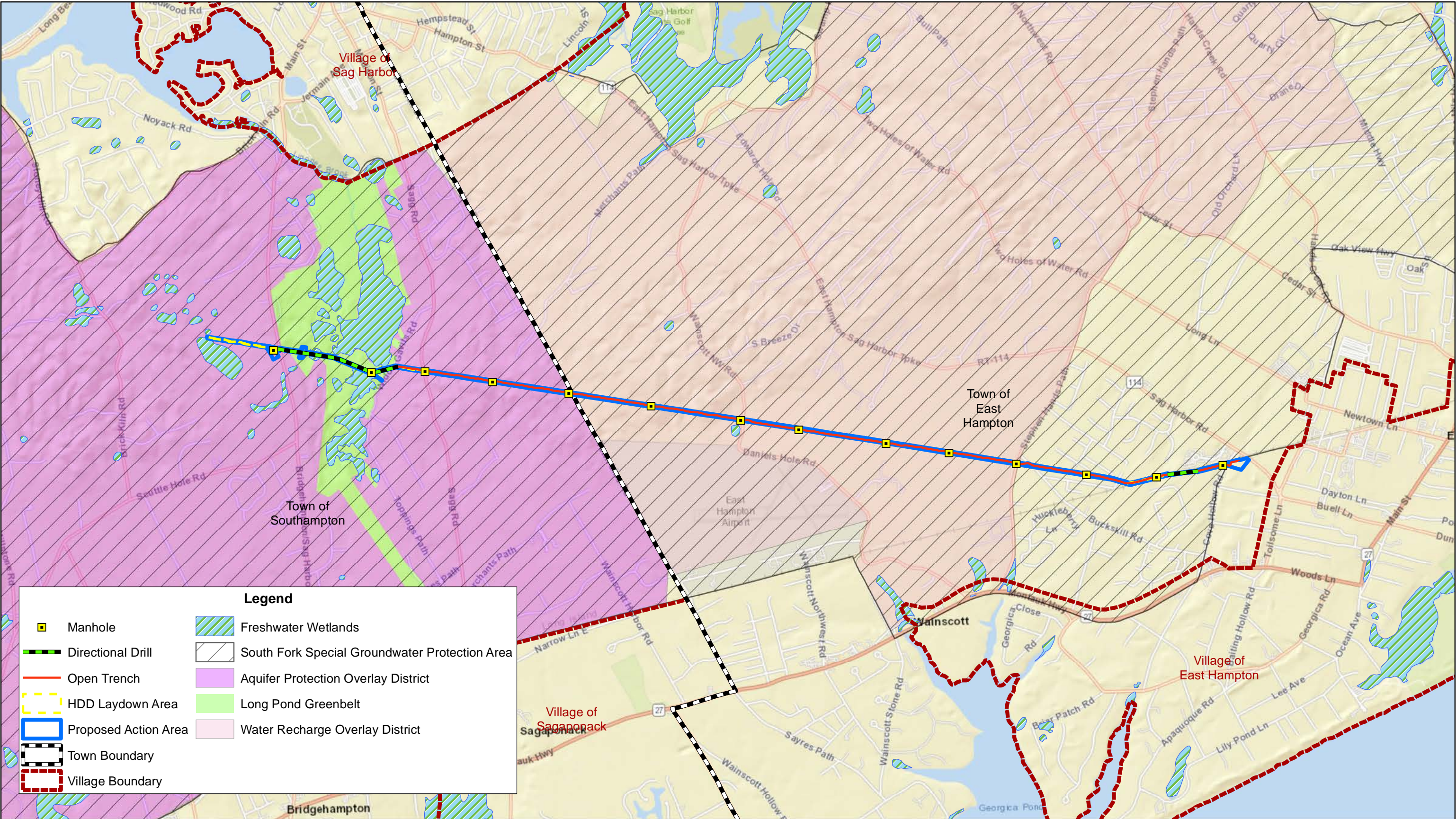
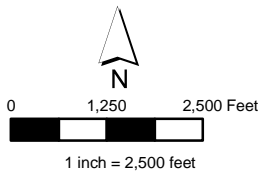
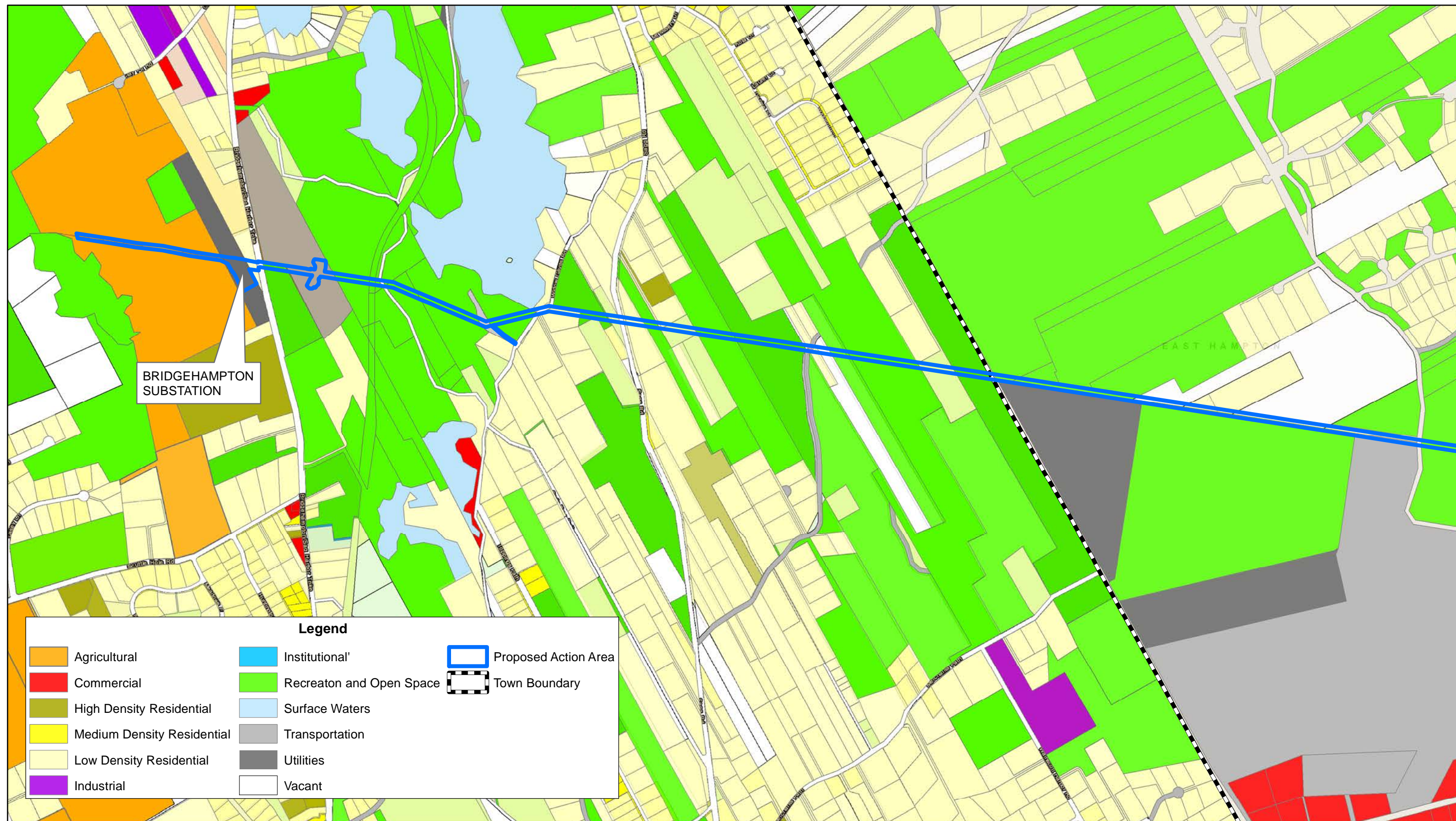


FIGURE 3-5
CRITICAL ENVIRONMENTAL AREAS
BRIDGE TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: ESRI World Street Map, 2021; NYSDEC CEAs, 2013; NYSDEC Freshwater Wetlands.





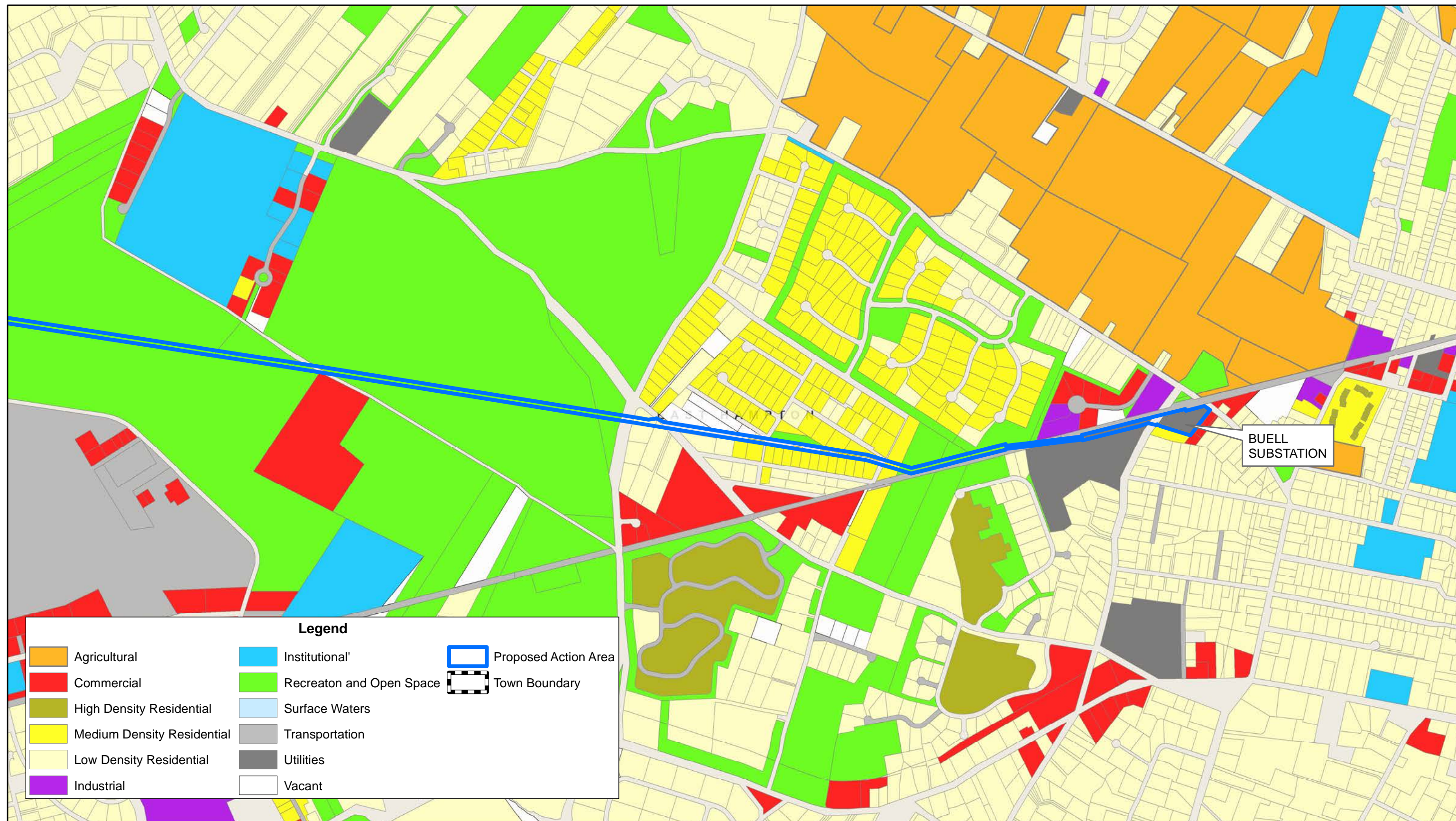




FIGURE 3-7
NOISE MONITORING LOCATIONS AND NEAREST SENSITIVE RECEPTORS
BTB NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; ESRI World Street Map, 2021.



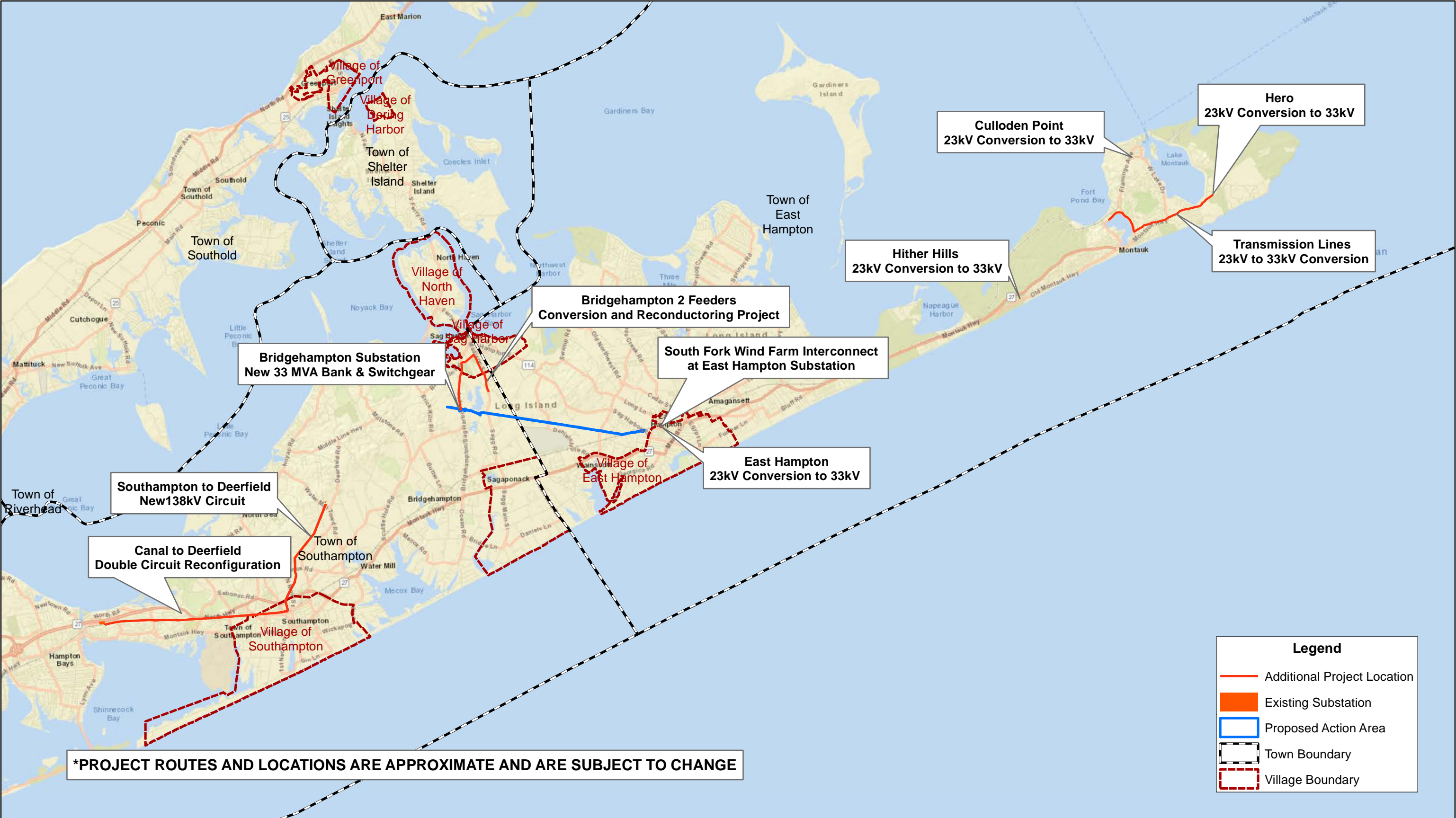
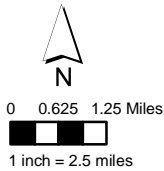
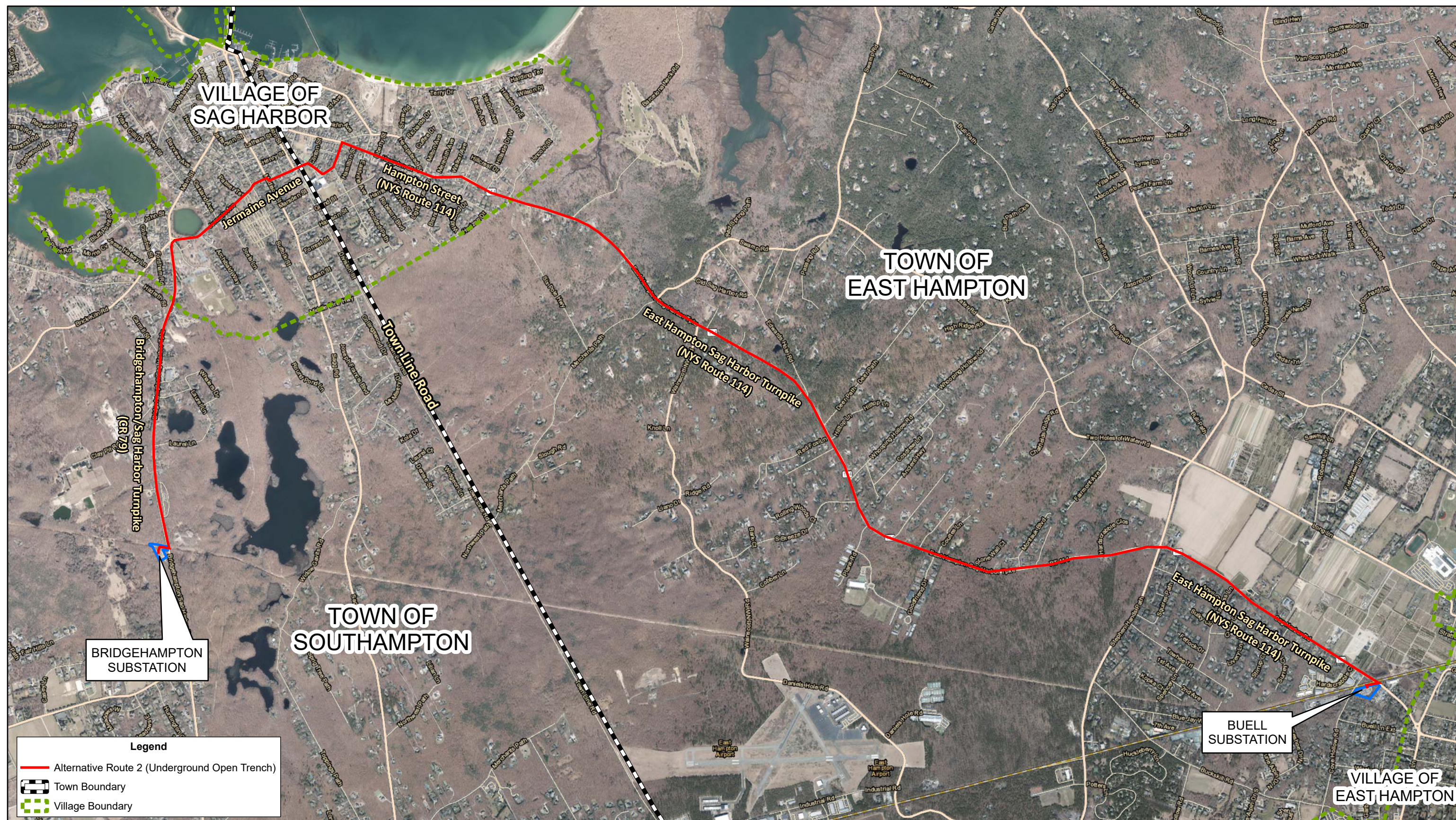


FIGURE 4-1
ADDITIONAL SOUTH FORK PROJECTS
BRIDGE TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; ESRI World Street Map, 2021.









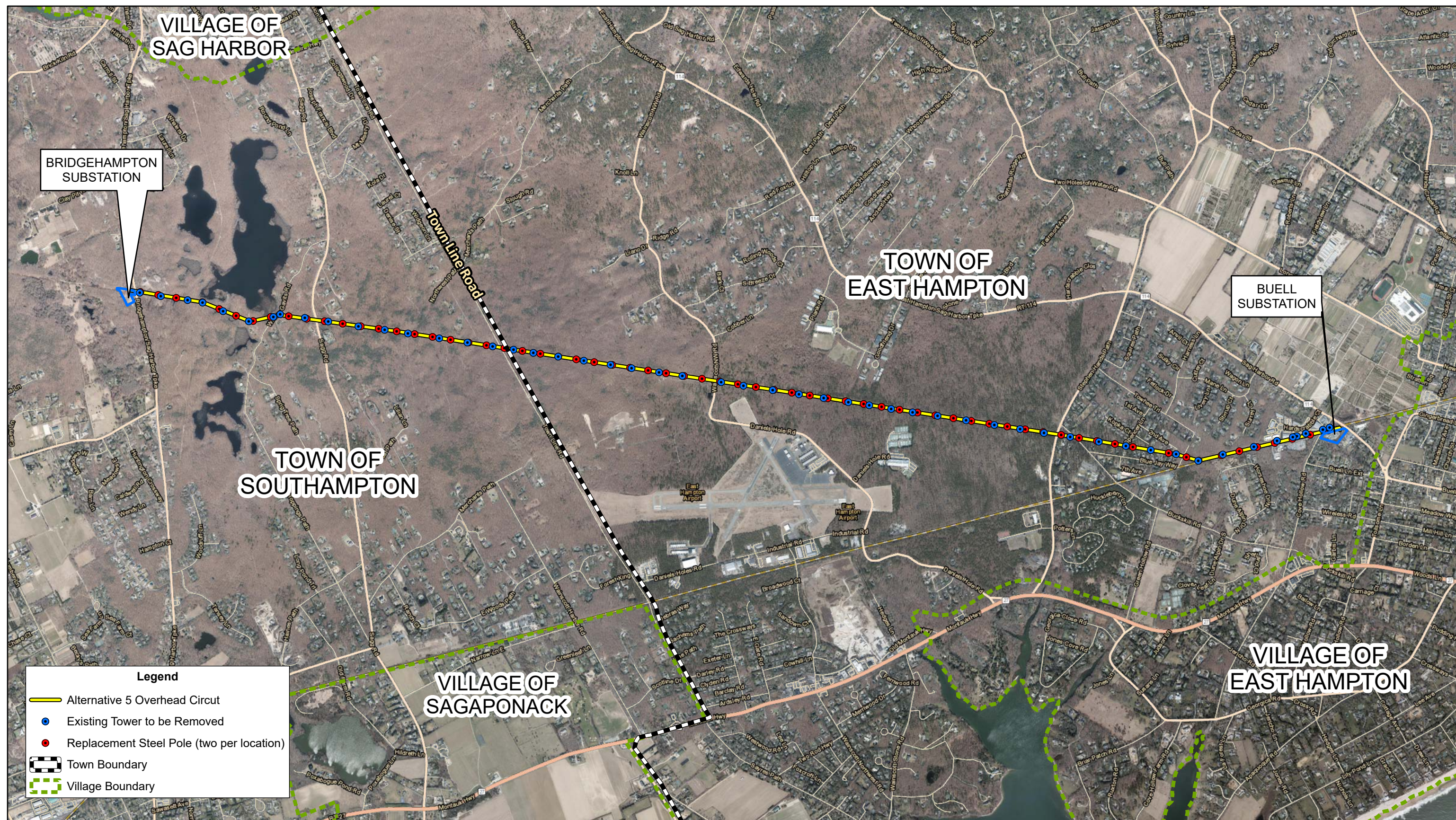
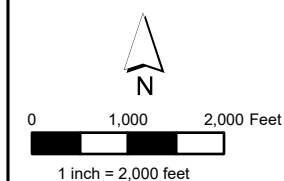
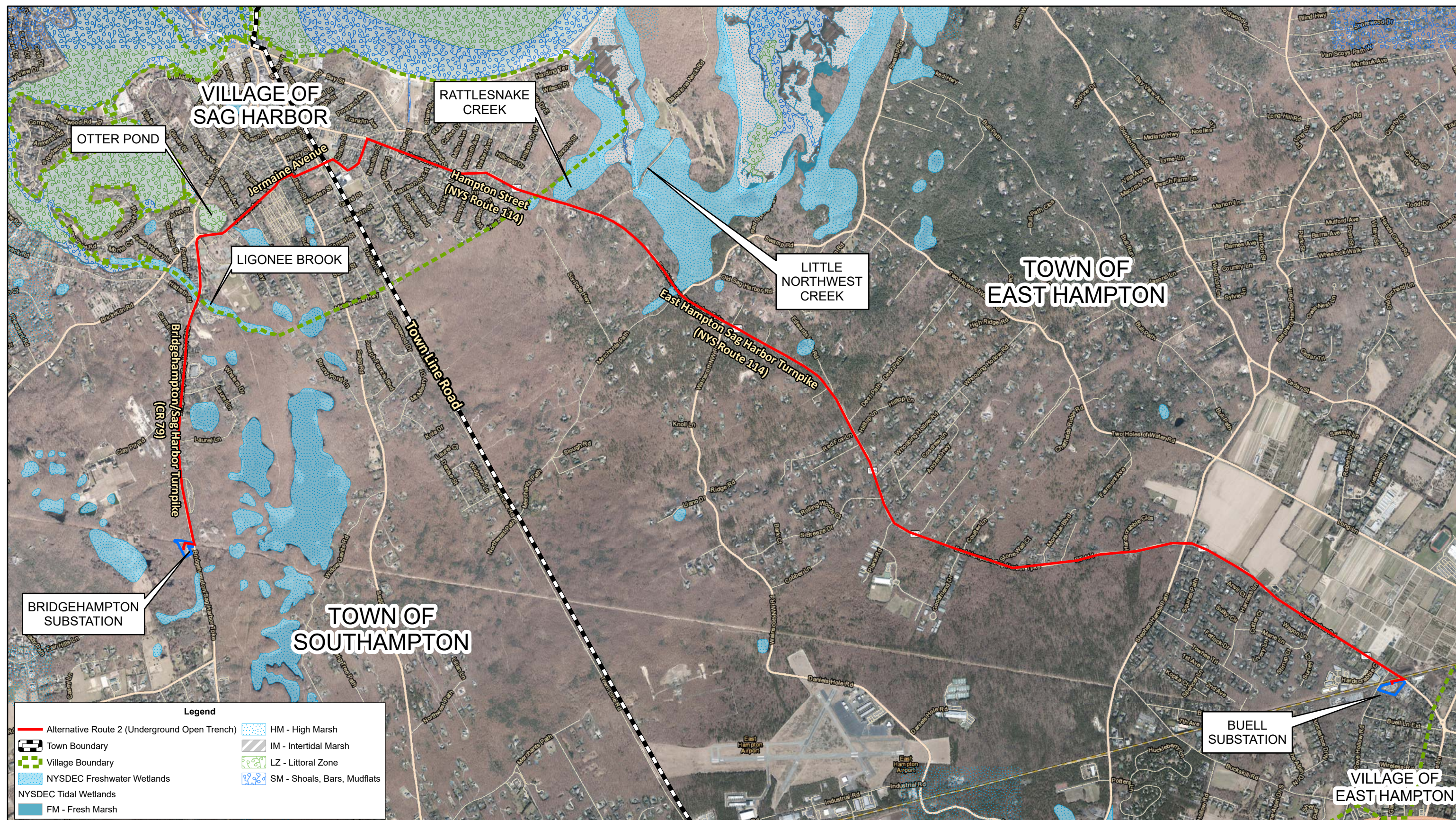


FIGURE 5-4
ALTERNATIVE ROUTE 5
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; Suffolk County GIS, 2016; PSEG, 2021.





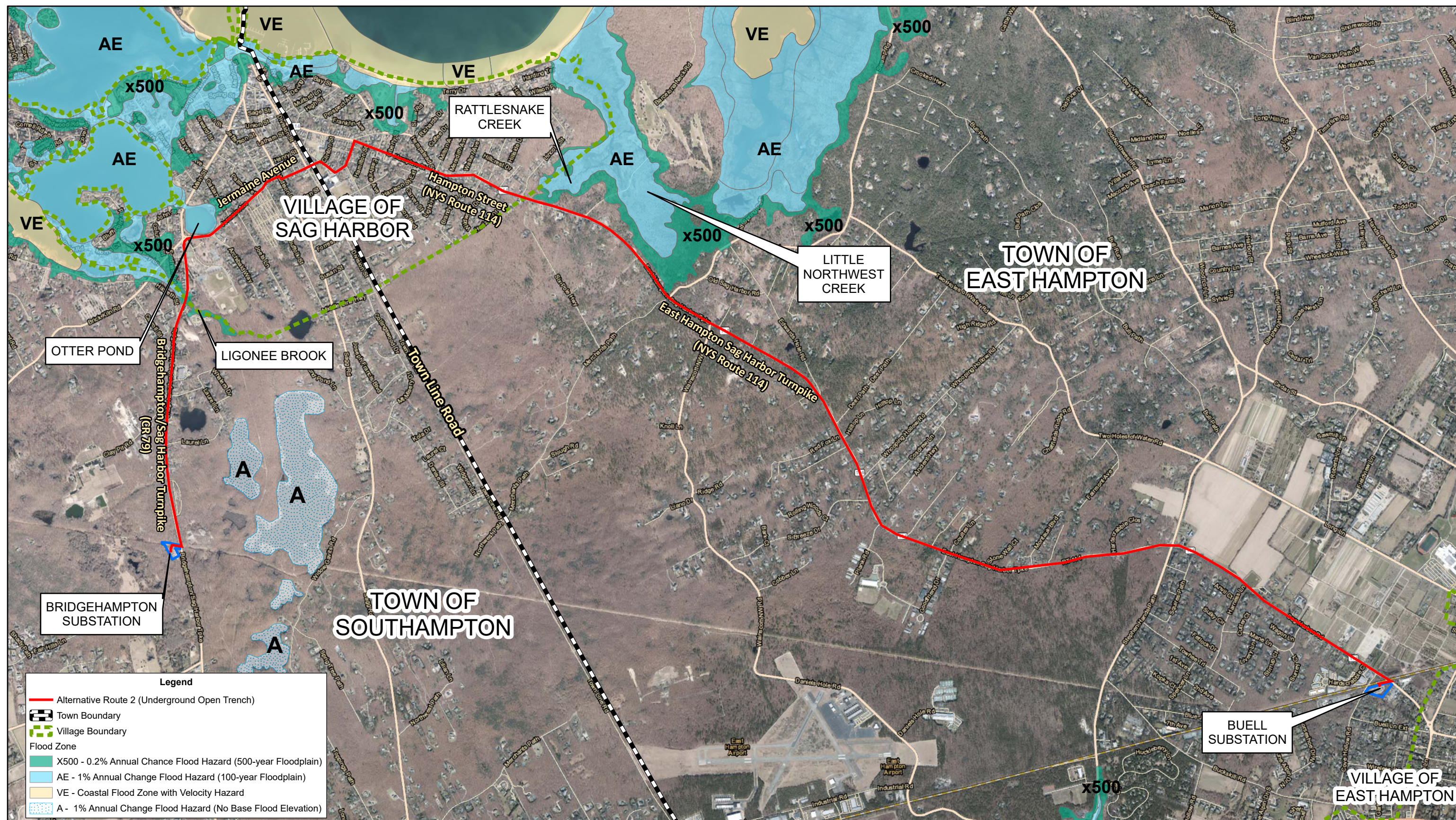
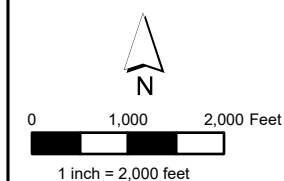


FIGURE 5-6
ALTERNATIVE ROUTE 2 FLOODPLAINS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; FEMA Flood Zone data, 2013; PSEG, 2021.



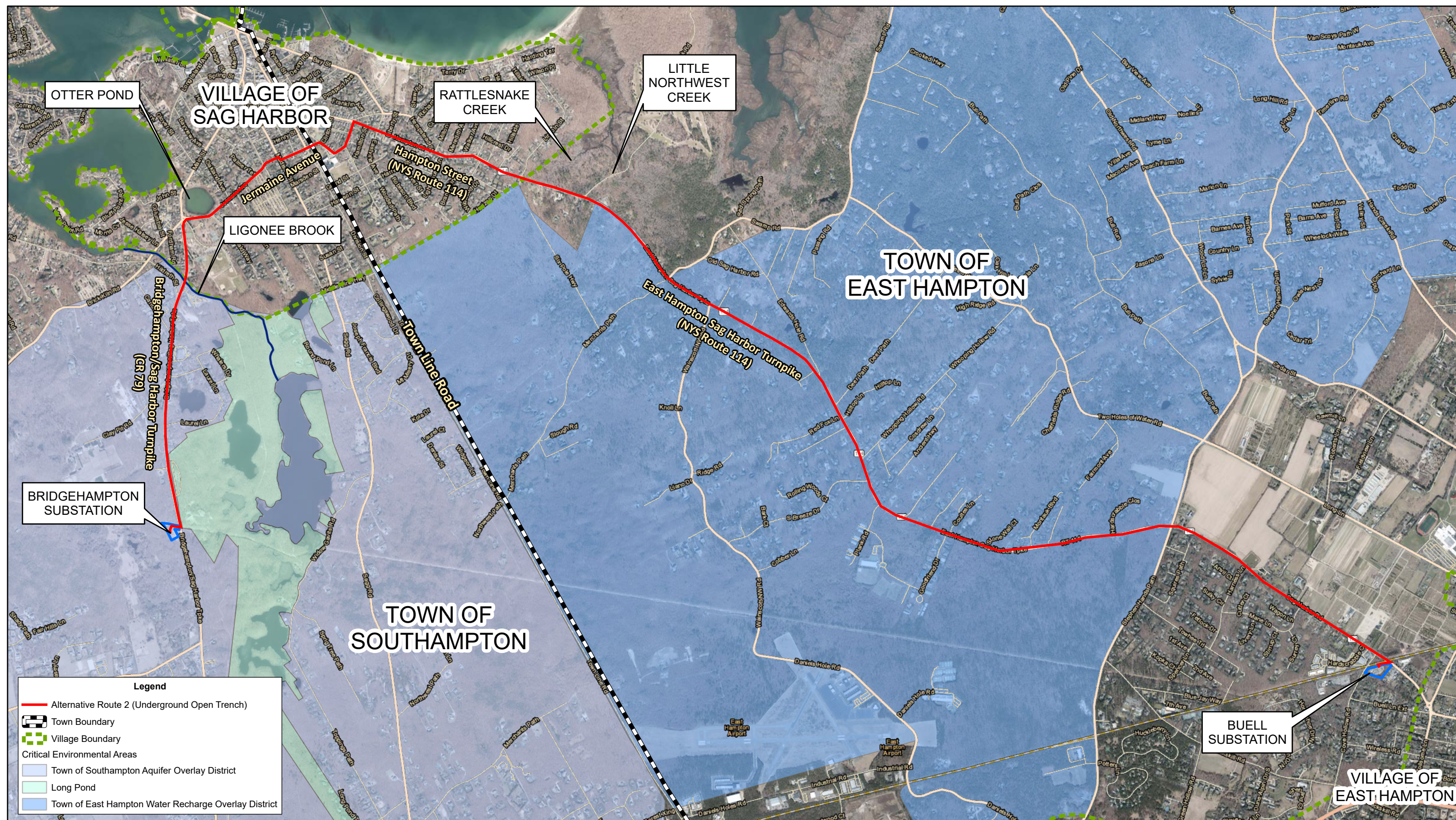
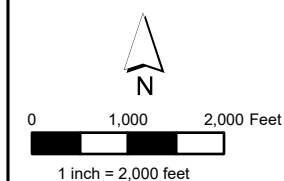


FIGURE 5-7
ALTERNATIVE ROUTE 2 CRITICAL ENVIRONMENTAL AREAS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; Suffolk County GIS, 2016; NYSDEC, 2020; PSEG, 2021.



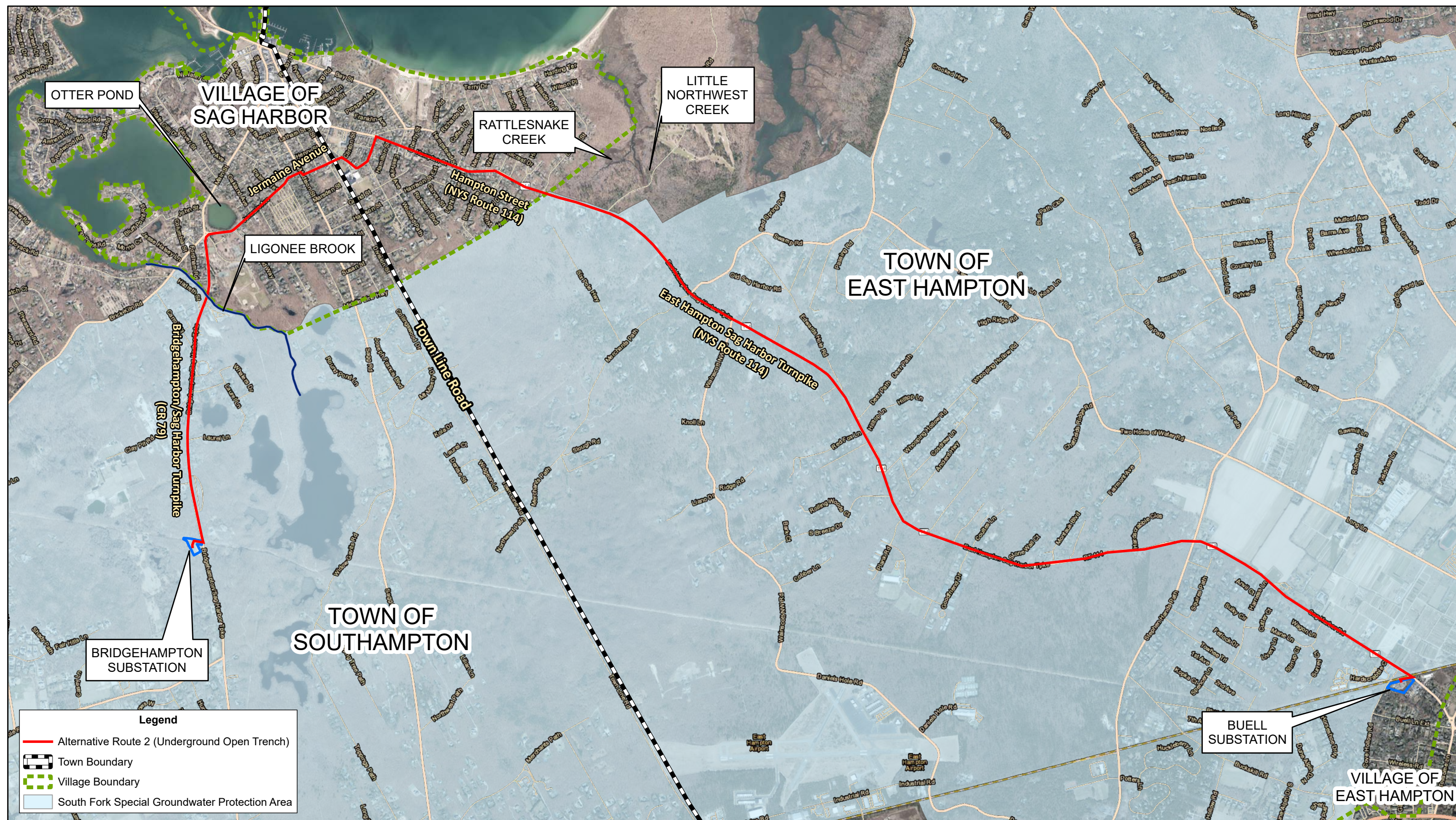
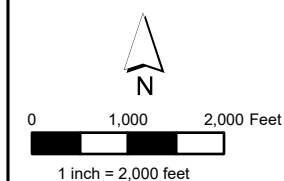
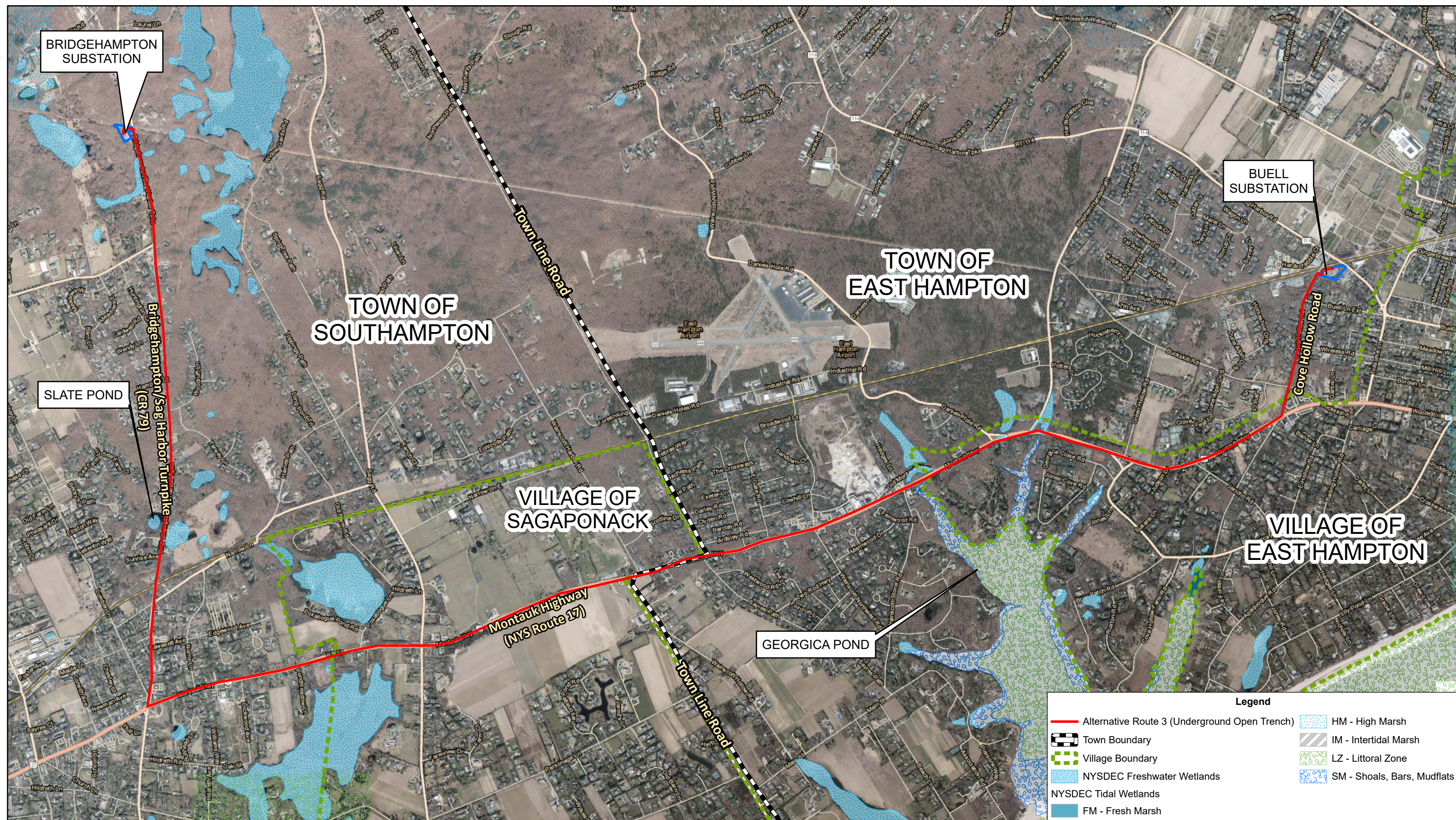


FIGURE 5-8
ALTERNATIVE ROUTE 2
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; NYSDEC, 2020; PSEG, 2021.





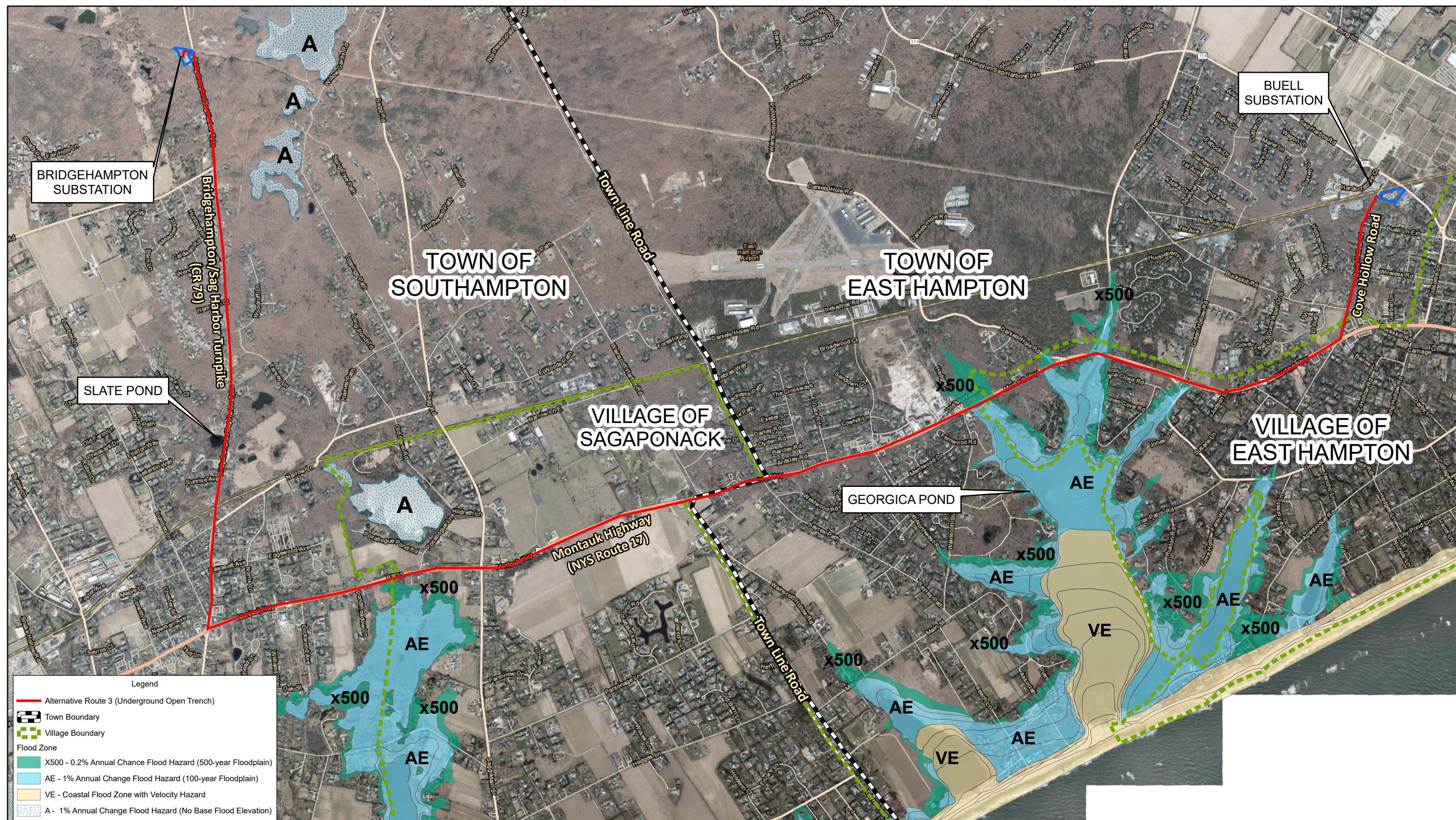


FIGURE 5-10
ALTERNATIVE ROUTE 3 FLOODPLAINS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; FEMA Flood Zone data, 2013; PSEG, 2021.

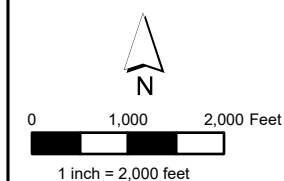
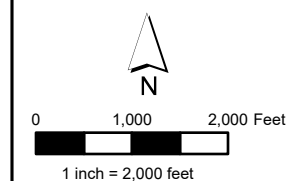




FIGURE 5-11
ALTERNATIVE ROUTE 3 CRITICAL ENVIRONMENTAL AREAS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; NYSDEC, 2020; PSEG, 2021.





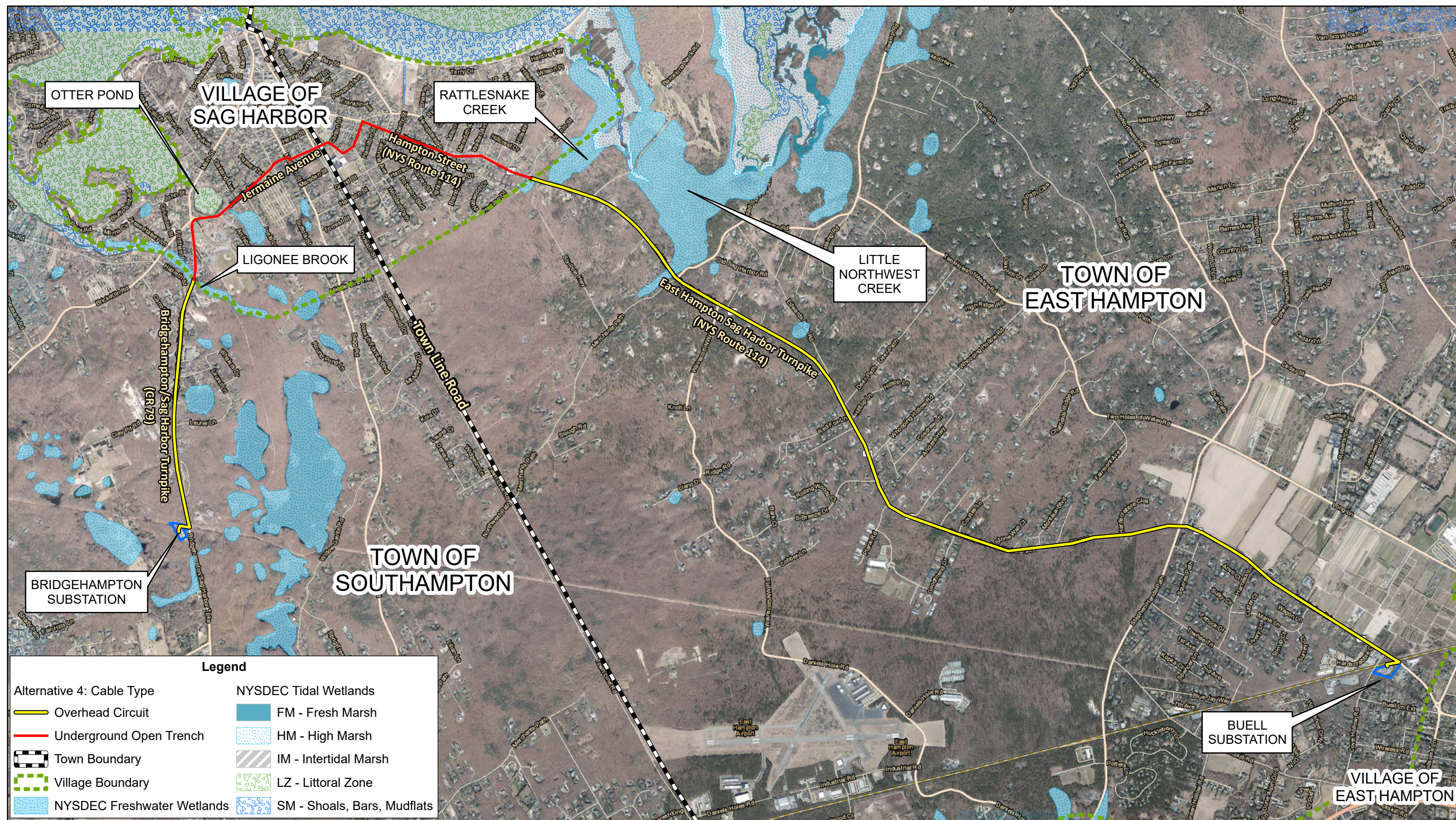
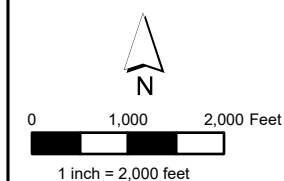


FIGURE 5-13
ALTERNATIVE ROUTE 4 WETLANDS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; NYSDEC, 2013; PSEG, 2021.



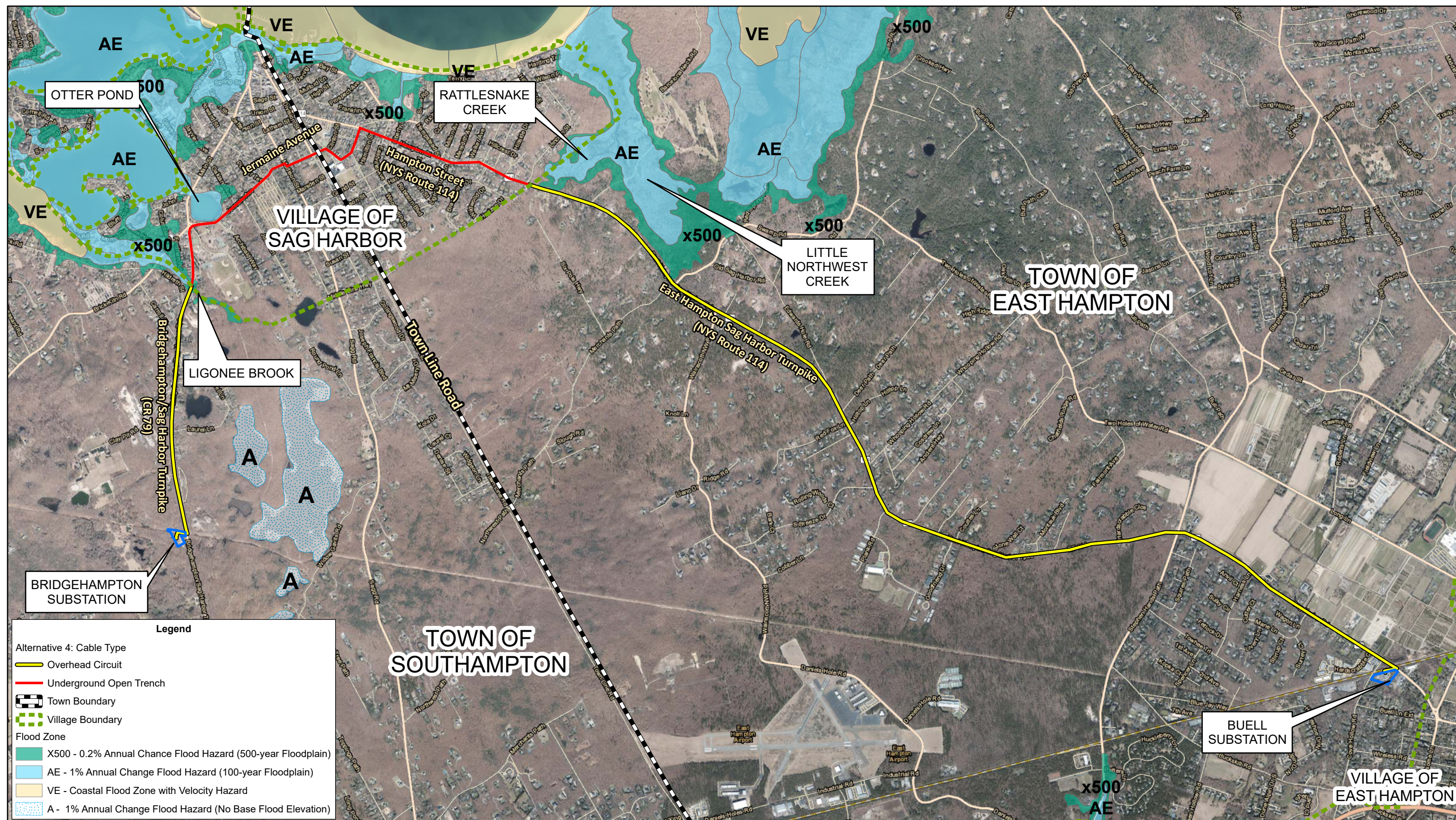


FIGURE 5-14
ALTERNATIVE ROUTE 4 FLOODPLAINS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; FEMA Flood Zone data, 2013; PSEG, 2021.

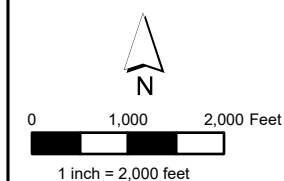
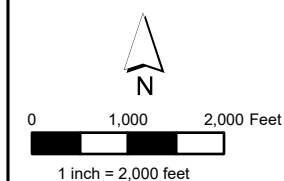




FIGURE 5-15
ALTERNATIVE ROUTE 4 CRITICAL ENVIRONMENTAL AREAS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; NYSDEC, 2020; PSEG, 2021.





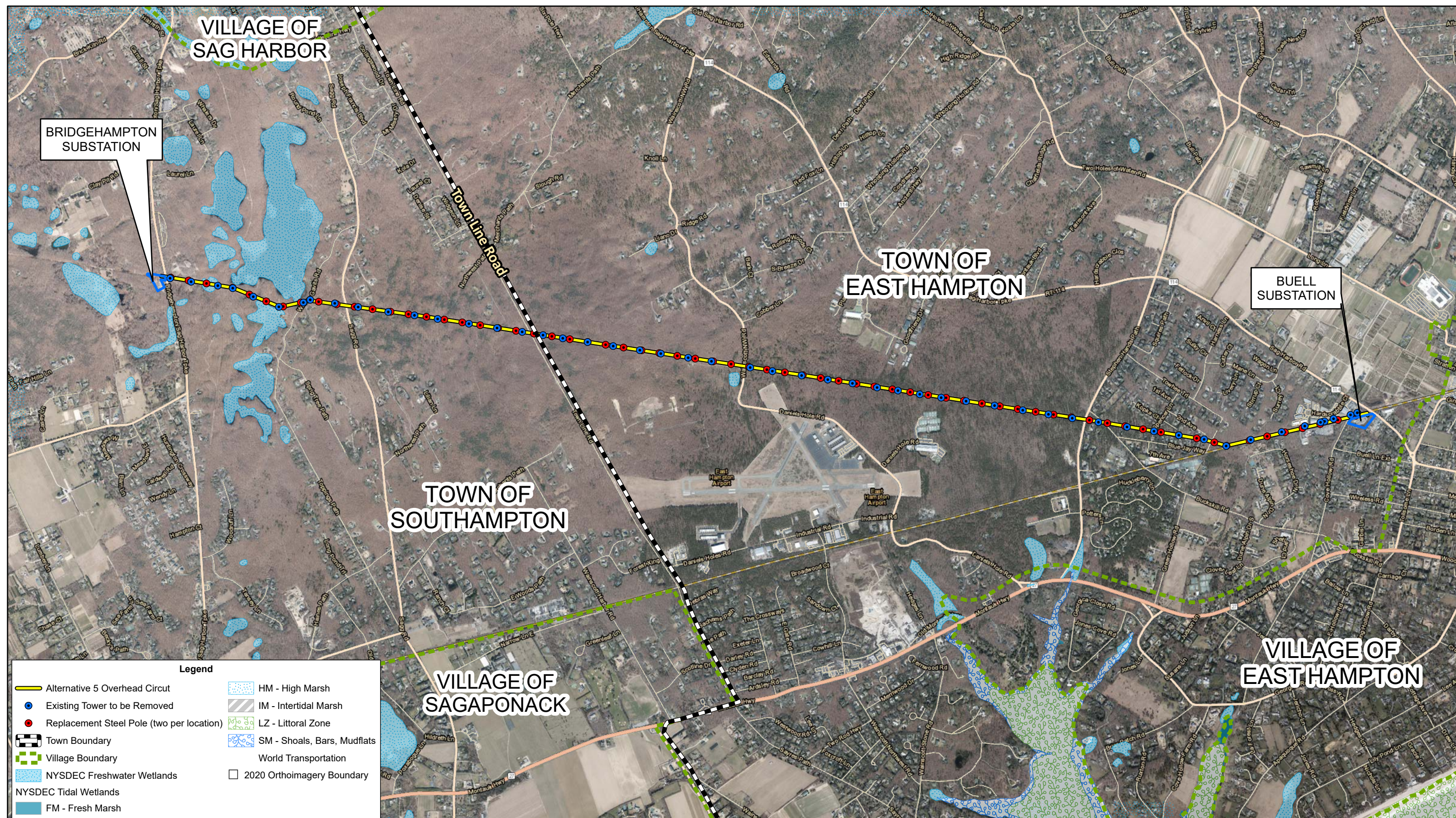


FIGURE 5-17
ALTERNATIVE ROUTE 5 WETLANDS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; NYSDEC, 2013; PSEG, 2021.

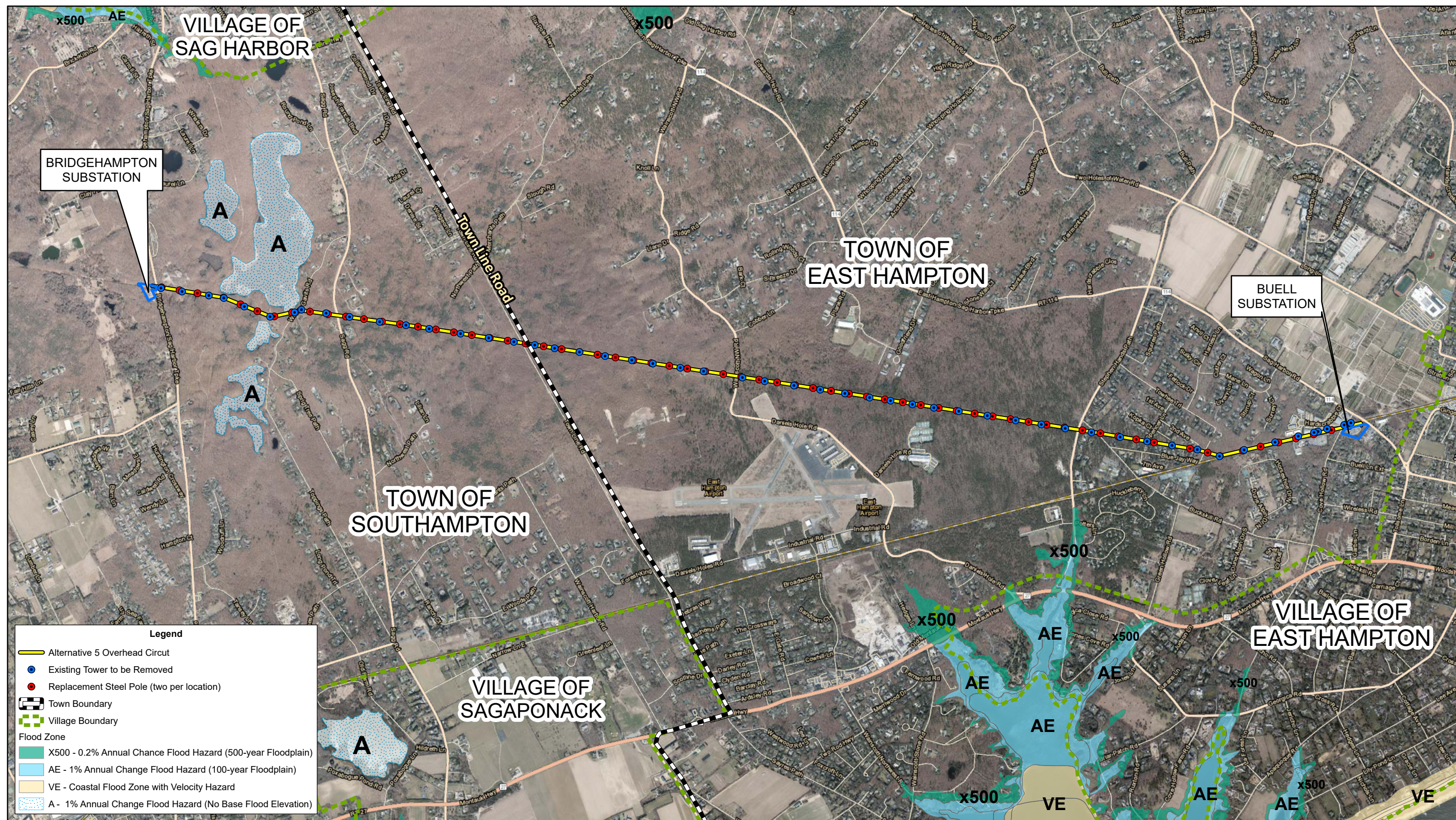
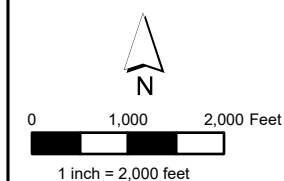


FIGURE 5-18
ALTERNATIVE ROUTE 5 FLOODPLAINS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; FEMA Flood Zone data, 2013; PSEG, 2021.



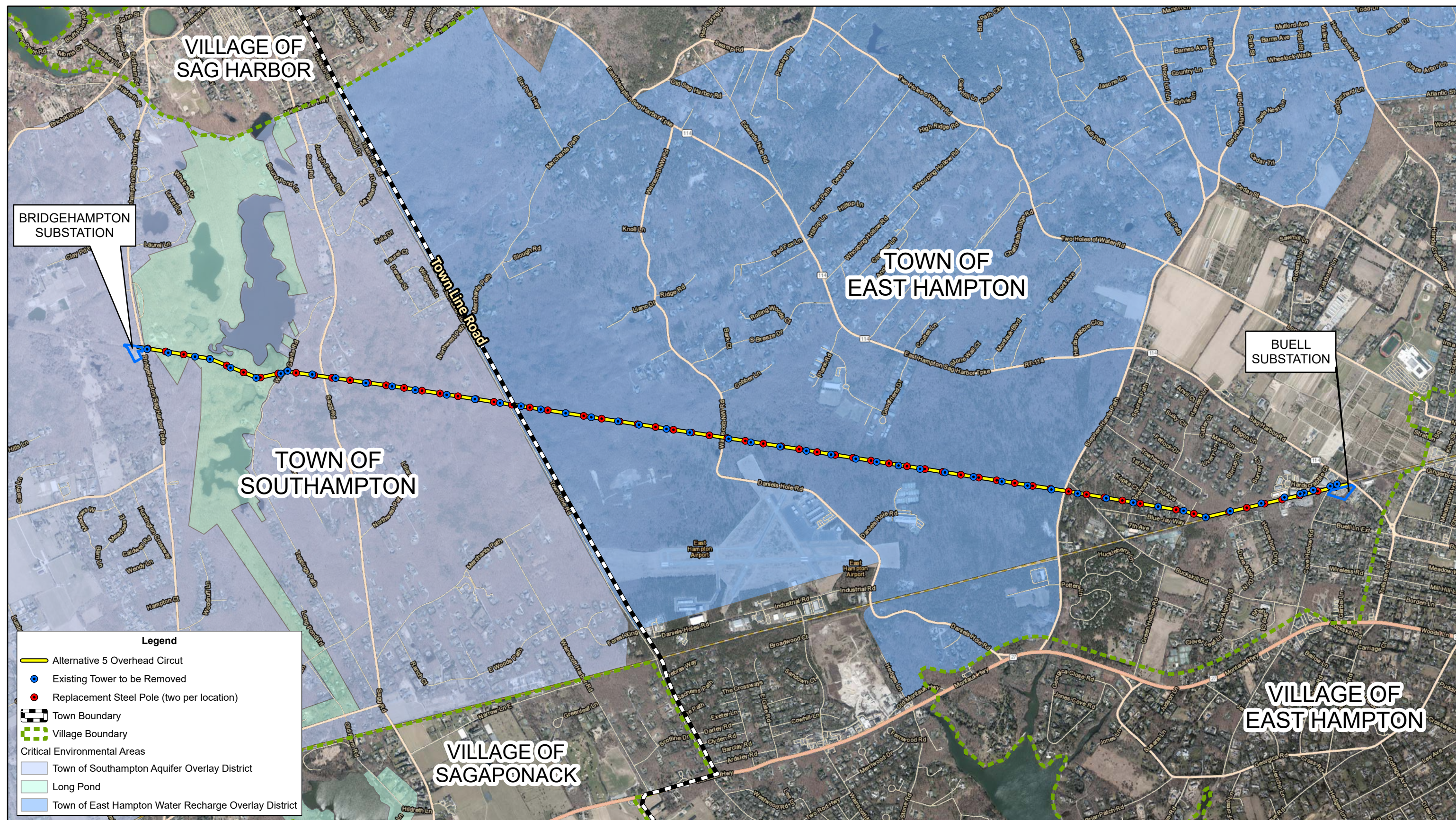
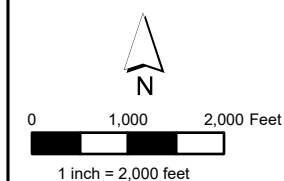


FIGURE 5-19
ALTERNATIVE ROUTE 5 CRITICAL ENVIRONMENTAL AREAS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; NYSDEC, 2020; PSEG, 2021.



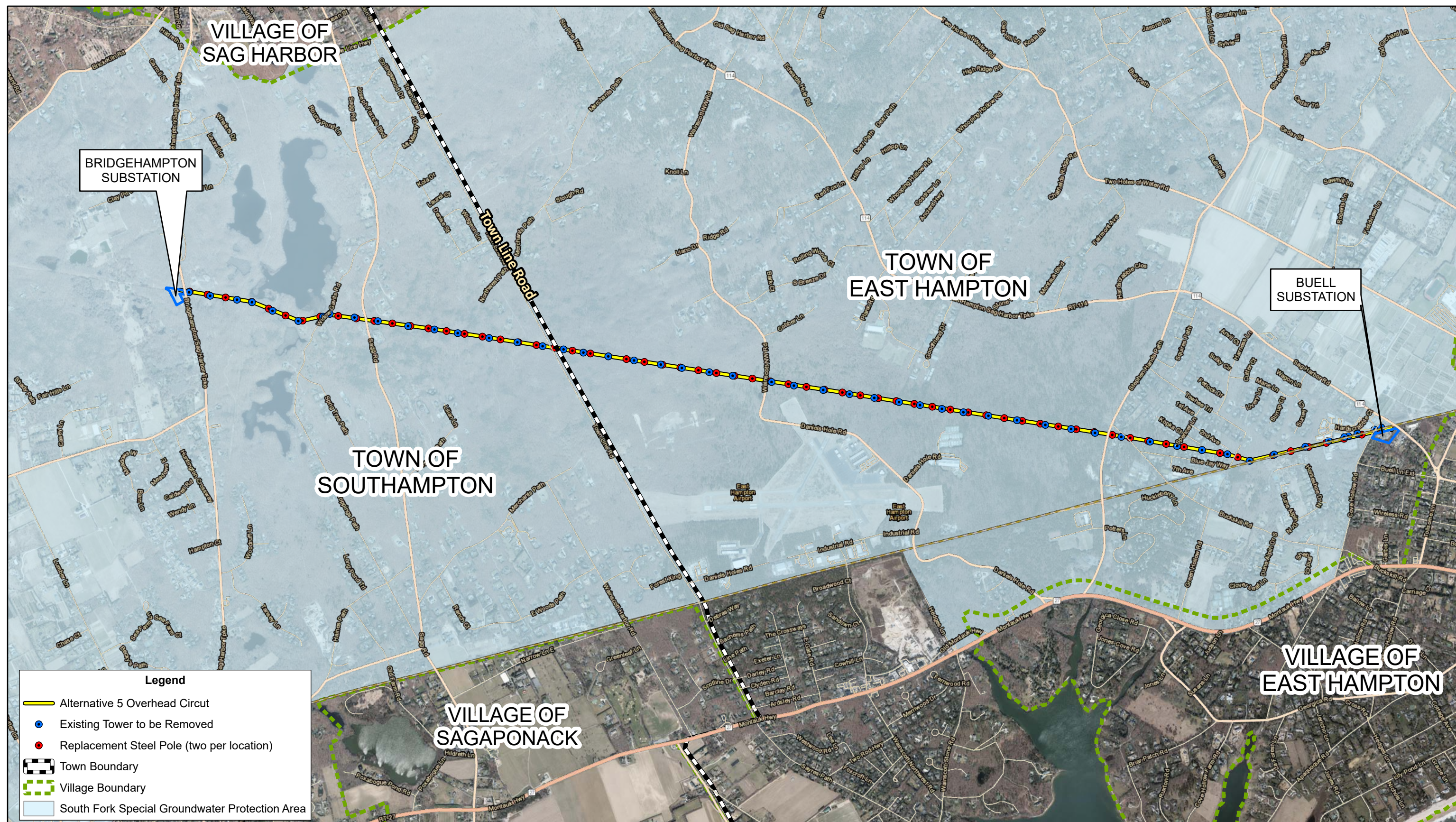


FIGURE 5-20
ALTERNATIVE ROUTE 5 SPECIAL GROUNDWATER PROTECTION AREAS
BRIDGEHAMPTON TO BUELL NEW 69 KV UNDERGROUND TRANSMISSION CABLE

Sources: NYS Orthoimagery, 2020; NYSDEC, 2020; PSEG, 2021.

