# **Rochester Gas and Electric Corporation**

# **Rochester Transmission Project Enhancement**

## Exhibit 2

**Location of Facilities** 

This page intentionally left blank.

## TABLE OF CONTENTS

<u>Section</u>		Page
EXHIBIT 2	2: LOCATION OF FACILITIES	2-1
2.1 Ge	neral Description of Facilities	2-1
2.2 Lo	cation Maps	2-4
2.2.1	New York State Department of Transportation Location Maps	2-4
2.2.2	Regional Transmission System Map	2-5
2.2.3	Aerial Location of Proposed Facilities	2-5
2.3 Su	pplemental ROW Information	2-5

\* \* \* \* \*

## LIST OF FIGURES

Figure 2-1 NYSDOT 1:24,000 Topographic Map
Figure 2-2 Regional Transmission System Map
Figure 2-3 Aerial Location of the Project

\* \* \* \* \*

This page intentionally left blank.

### **EXHIBIT 2:** LOCATION OF FACILITIES

### 2.1 General Description of Facilities

Rochester Gas and Electric Corporation (RG&E or the Applicant) requests that the New York State Public Service Commission (the Commission) amend an existing Certificate of Environmental Compatibility and Public Need issued to the Applicant in Case 03-T-1385 (the Certificate) under Article VII of the New York Public Service Law (PSL).

The Certificate authorized RG&E to construct, operate and maintain its Rochester Transmission Project (RTP), which was comprised of approximately 32.3 miles of new or rebuilt 115-kilovolt (kV) transmission lines and equipment upgrades at several substations in Wayne County and a new 5.7 mile 115kV transmission line and substation and equipment upgrades in Monroe County. As part of the RTP, an existing 115kV line (Existing Line 916) was reconstructed on single-circuit structures and Station 48 in the City of Rochester, Monroe County, underwent equipment upgrades and additions.

The Applicant now proposes to construct the Rochester Transmission Project Enhancement, which includes construction of a new 115kV line, to be designated as Line 949, a total distance of approximately 6.7 miles, from Station 418 in the Town of Gates, to Station 48, in the City of Rochester, Monroe County. It also includes expansions of Stations 48 and 418 to accommodate the new Line 949, as well as the reconstruction of segments of three existing transmission lines (Existing Lines 910, 916, and 926), and the reconstruction of segments of three existing distribution lines (Existing Lines 359, 705, and 730). All these activities are herein collectively referred to as the Project or RTP Enhancement.

The Applicant is requesting amendment of the Certificate because the Project includes the reconstruction of a portion of Existing Line 916 and expansion of Station 48, both of which were modified as part of the RTP pursuant to the Certificate.

For clarity and consistency, the Applicant uses the following terms throughout the Application to refer to existing and proposed facilities relevant to the Project:

Proposed Line 949 – The new 115kV electric transmission line between the RG&E Station 418 and RG&E Station 48, a distance of approximately 6.7 miles, which the Applicant proposes to construct as part of the Project.

Existing Line 359 – RG&E's existing 4.8kV line 359, a portion of which is located within the RG&E right-of-way (ROW), which the Applicant proposes to be underbuilt with Proposed Line 949 and Existing Line 705.

Existing Line 705 – RG&E's existing 34.5kV line 705, a portion of which is located within the RG&E ROW and CSX ROW, which the Applicant proposes to be underbuilt with Proposed Line 949.

Existing Line 730 – RG&E's existing 34.5kV line 730, a portion of which is located within the RG&E ROW and CSX ROW, which the Applicant proposes to be underbuilt with Proposed Line 949.

Existing Line 910 – RG&E's existing 115kV line 910, a portion of which is located within the RG&E ROW, which the Applicant proposes to be double-circuited with Proposed Line 949.

Existing Line 916 – RG&E's existing 115kV line 916, a portion of which is located within the R&S ROW, which the Applicant proposes to be double-circuited with Proposed Line 949.

Existing Line 926 – RG&E's existing 115kV line 926, a portion of which is located within the RG&E ROW and R&S ROW, which the Applicant proposes to be double-circuited with Proposed Line 949.

Existing Line 940 – RG&E's existing 115kV line 940, a portion of which is location within the RG&E ROW parallel to Proposed Line 949.

RG&E ROW – The existing ROW utilized by the Applicant, occupied by 115kV, 34.5kV, and 4.8kV lines, which runs from Station 418 to the CSX ROW Intersection, a distance of approximately 1.1 miles, along the CSX ROW for a distance of approximately 2.6 miles, between the CSX ROW and the R&S ROW, a distance of

approximately 0.6 miles, and along the R&S ROW for a distance of approximately 2.2 miles.

CSX ROW – CSX Railroad's existing ROW containing railroad lines located adjacent to Existing Lines 730 and 705 and the location of Proposed Line 949.

R&S ROW – Rochester and Southern (R&S) Railroad's existing ROW containing railroad lines located adjacent to Existing Lines 926 and 916 and the location of Proposed Line 949.

Existing ROW – A collective reference to the RG&E ROW, the CSX ROW and the R&S ROW.

New ROW – The strips of land over which the Applicant proposes to acquire utility easements, including land abutting the Existing ROW between the RG&E ROW and the CSX ROW for a distance of approximately 0.2 miles, and a number of other areas where a widening of Existing ROW is required to accommodate the Project and maintain required clearances.

Project ROW – Collectively, the Project route that utilizes the Existing ROW plus the New ROW.

Project Area – The locations where the Applicant proposes to conduct all Project activities, including the sites of the existing and expanded stations and ROW, the sites of proposed stormwater management features, proposed laydown/staging areas, and supporting access roads.

Station 48 – The Applicant's existing station located in the City of Rochester that is proposed to be expanded as part of the Project.

Station 418 – The Applicant's existing station located in the Town of Gates that is proposed to be expanded as part of the Project.

The Project includes the rebuilding of three segments of existing 115kV transmission lines and three segments of existing distribution lines, as follows: (1) an approximately 0. 3 mile section of

Existing Line 916; (2) an approximately 1.1 mile section of Existing Line 910; (3) an approximately 2.4 mile section of Existing Line 926; (4) an approximately 1.7 mile section of Existing Line 730; (5) an approximately 1.5 mile section of Existing Line 705; and (6) an approximately 0.5 mile section of Existing Line 359. Specifically, the rebuilding of each section of 115kV transmission line (numbers 1, 2 and 3 above) is comprised of reconductoring, replacing all insulators, and replacing existing structures with taller double-circuit structures that would hold both Proposed Line 949 and the rebuilt existing line. The rebuilding of each section of distribution line (numbers 4, 5 and 6 above)is comprised of reconductoring, replacing all insulators, and underbuilding the rebuilt distribution line below Proposed Line 949.

Proposed Line 949 would begin in the Town of Gates at Station 418 and continue southeast along the Existing Line 910 ROW for approximately 1.1 miles. The line would continue parallel to Existing Line 910 for approximately 0.1 miles in a new 75 foot wide ROW. At the Existing Line 940 riser, the line, in a new 50 foot wide ROW, would continue for approximately 0.1 miles. Near the Interstate 490 (I-490) overpass, the line would transition northeast and follow Existing Line 730 and Existing Line 705 parallel to the CSX ROW for approximately 2.6 miles. Proposed Line 949 would extend from here north and east, away from the CSX ROW, for approximately 0.5 miles, following Existing Lines 705, 916, and 926. Proposed Line 949 then would travel north/northeast following Existing Line 926, adjacent to the R&S ROW for approximately 1.9 miles. Proposed Line 949 then would cross to the north side of the R&S ROW, following Existing Line 916 for approximately 0.4 miles until its terminus at the expanded Station 48 in the City of Rochester.

### 2.2 Location Maps

### 2.2.1New York State Department of Transportation Location Maps

The general location of the Project is shown in Figure 2-1, which is based on New York State Department of Transportation (NYSDOT) 1:24,000 topographic maps. Figure 2-1 covers an area of at least five miles on either side of the Project ROW and depicts where the construction of the Project will occur and the location of any known archaeological, geologic, historical or scenic area, or park or untouched wilderness on or within three miles of the Project ROW.

### 2.2.2 Regional Transmission System Map

Figure 2-2, Regional Transmission System Map, (scale 1:250,000) shows Proposed Line 949 and its relationship to RG&E's overall systems with respect to: (i) the location and designation of each point of connection between an existing facility and Proposed Line 949; (ii) any nearby existing transmission lines; and (iii) nearby, crossing or connecting ROWs or facilities of other utilities.

### 2.2.3 Aerial Location of Proposed Facilities

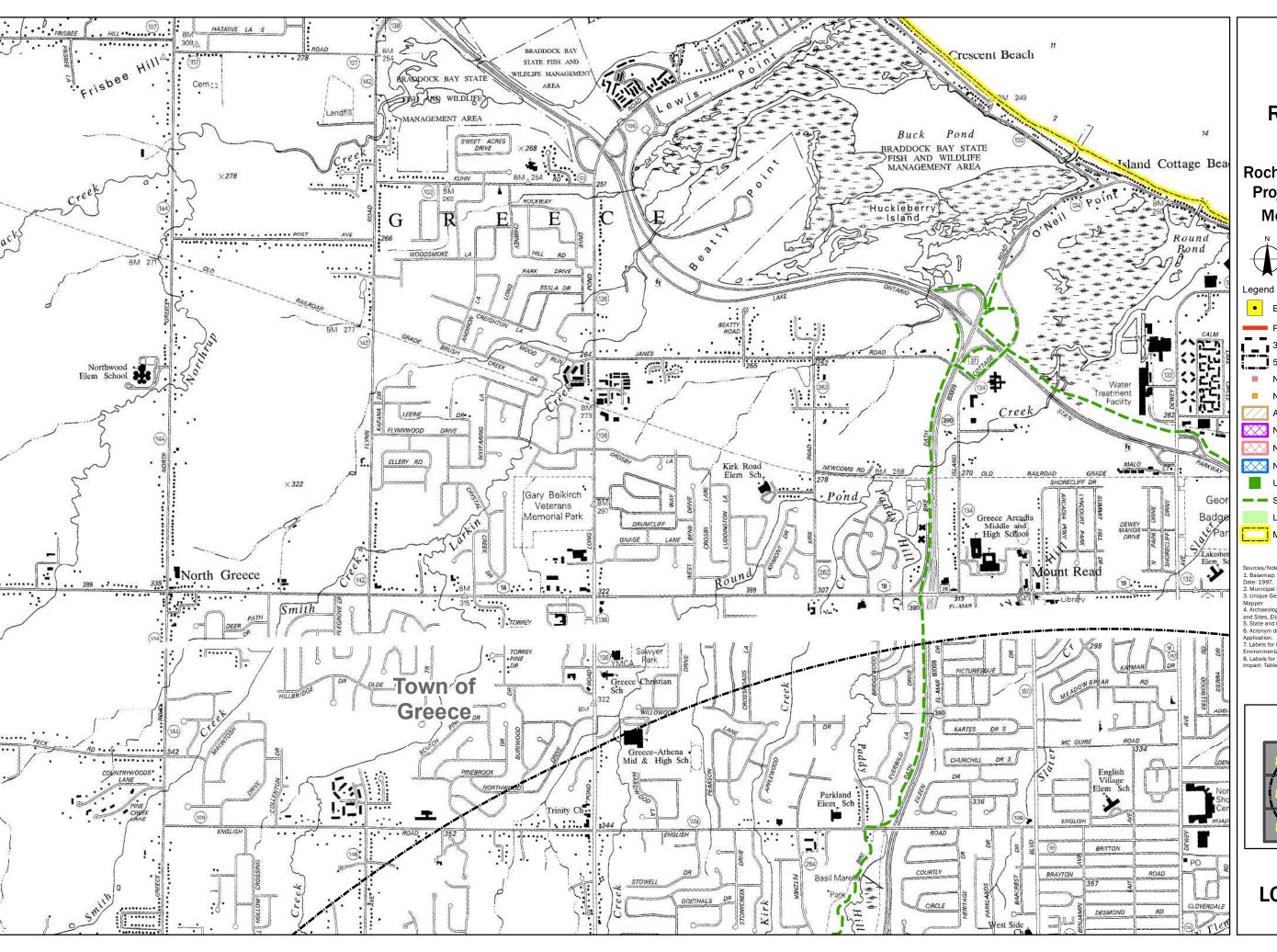
Figure 2-3 provides aerial photographs showing at least 1,200 linear feet on each side of the Project ROW. The aerial photographs enable discrimination and identification of all natural and cultural features, and include overlays: (i) clearly identifying the Project ROW; (ii) showing where the construction of the Project would necessitate permanent clearing or other changes to the topography, vegetation or man-made structures; (iii) showing the location of existing access and maintenance routes; and (iv) showing the location of Proposed Line 949 within the Project ROW. The ortho-photography in Figure 2-3 was taken June 2018 and reflects the current situation in the Project Area.

### 2.3 Supplemental ROW Information

Generally, it will not be necessary for the Project to acquire greenfield ROW (*i.e.*, strips of land with no existing utility or other infrastructure), with the exception of a small greenfield area where colocation within the Existing ROW is not feasible. The greenfield area is adjacent to existing RG&E ROW between Trabold Road and the CSX ROW. It is comprised of approximately 0.1 miles of additional 75-foot wide ROW and approximately 0.1 miles of additional 50-foot wide ROW. In a number of other areas, widening of Existing ROW is required to accommodate the Project and maintain required clearances. The Applicant will also acquire additional rights outside of the Project ROW to selectively remove danger trees.

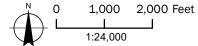
\* \* \* \* \*

This page intentionally left blank.





## **Rochester Transmission Project Enhancement Monroe County, NY**





Proposed Line 949

### NRHP Eligible Site

Archaeological Sensitive Area

### NRHP Eligible District

NRHP Listed District

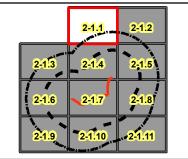
### NRHP Undetermined District

Unique Geologic Features

### State and Local Trail

Local Recreation

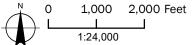
### Municipal Boundary







## **Rochester Transmission Project Enhancement Monroe County, NY**



### Legend

- Existing Substation
- Proposed Line 949
- 3-Mile Buffer
- 5-Mile Buffer NRHP Listed Site
- NRHP Eligible Site
- Archaeological Sensitive Area
- NRHP Eligible District
- NRHP Listed District
- NRHP Undetermined District
- Unique Geologic Features
- State and Local Trail
- Local Recreation
- Municipal Boundary

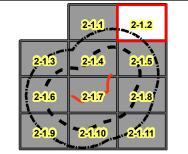
- Sudices Notes.

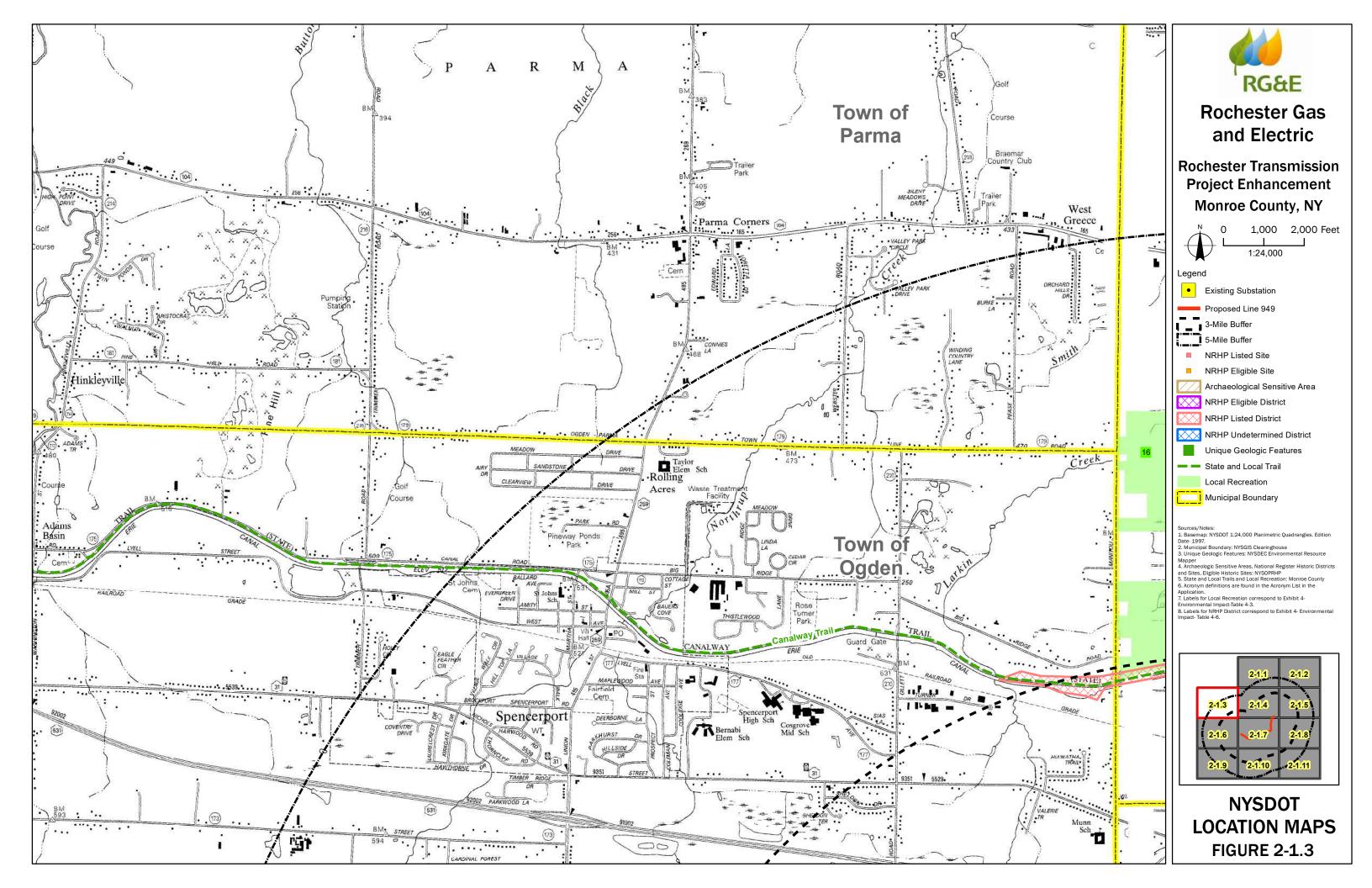
  1. Basemap: NYSDOT 1;24,000 Planimetric Quadrangles. Edition Date 1997.

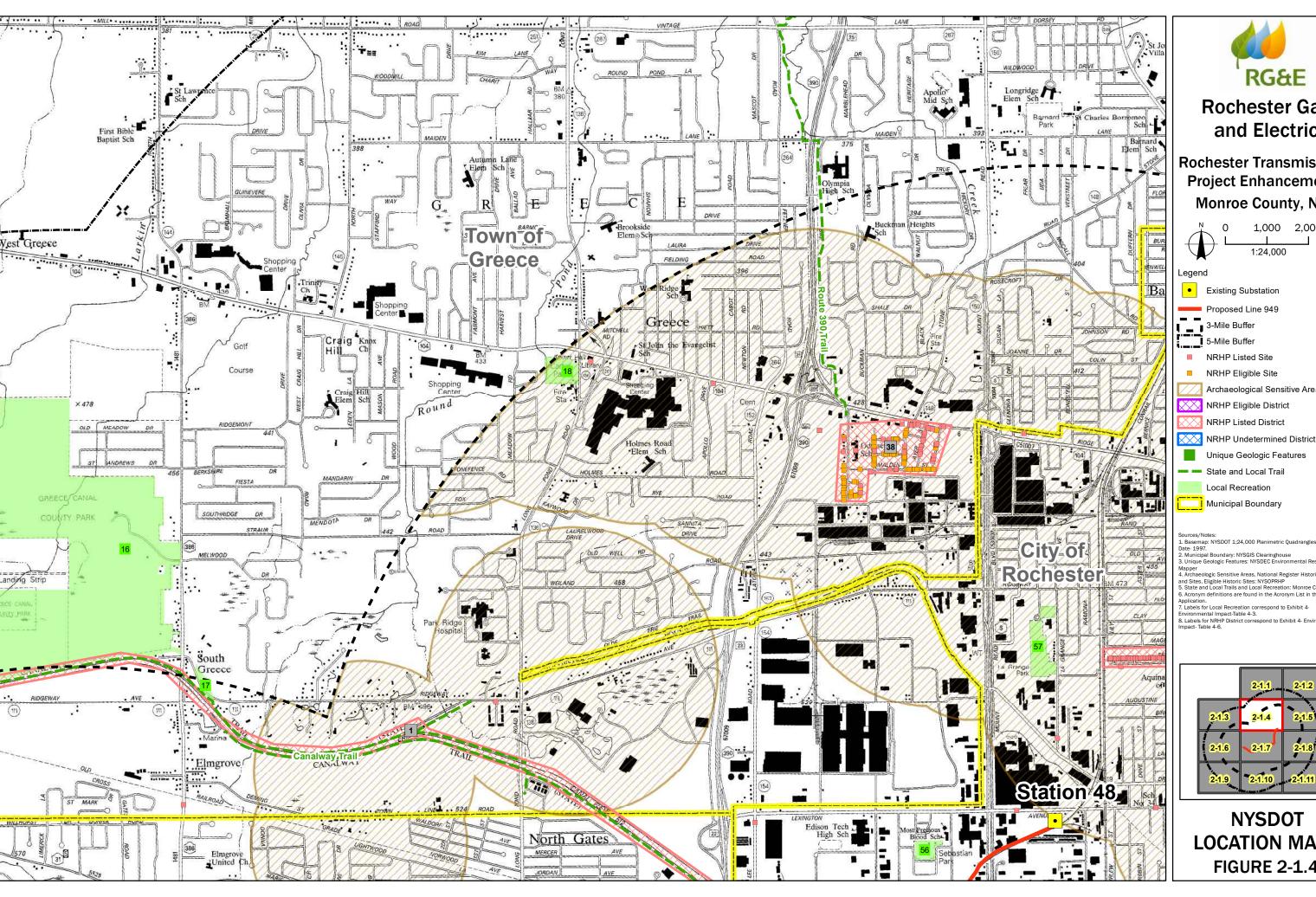
  2. Municipal Boundary: NYSGIS Clearinghouse

  3. Unique Geologic Features: NYSDEC Environmental Resource

- 4. Archaeologic Sensitive Areas, National Register Historic District and Sites, Eligible Historic Sites: NYSOPRHP
  5. State and Local Trails and Local Recreation: Monroe County
  6. Acronym definitions are found in the Acronym List in the Application.
  7. Labels for Local Recreation correspond to Exhibit 4-Environmental Impact-Table 4-3.
  8. Labels for NRHP District correspond to Exhibit 4-Environmental Impact-Table 4-6.

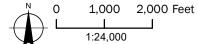




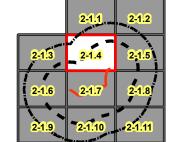


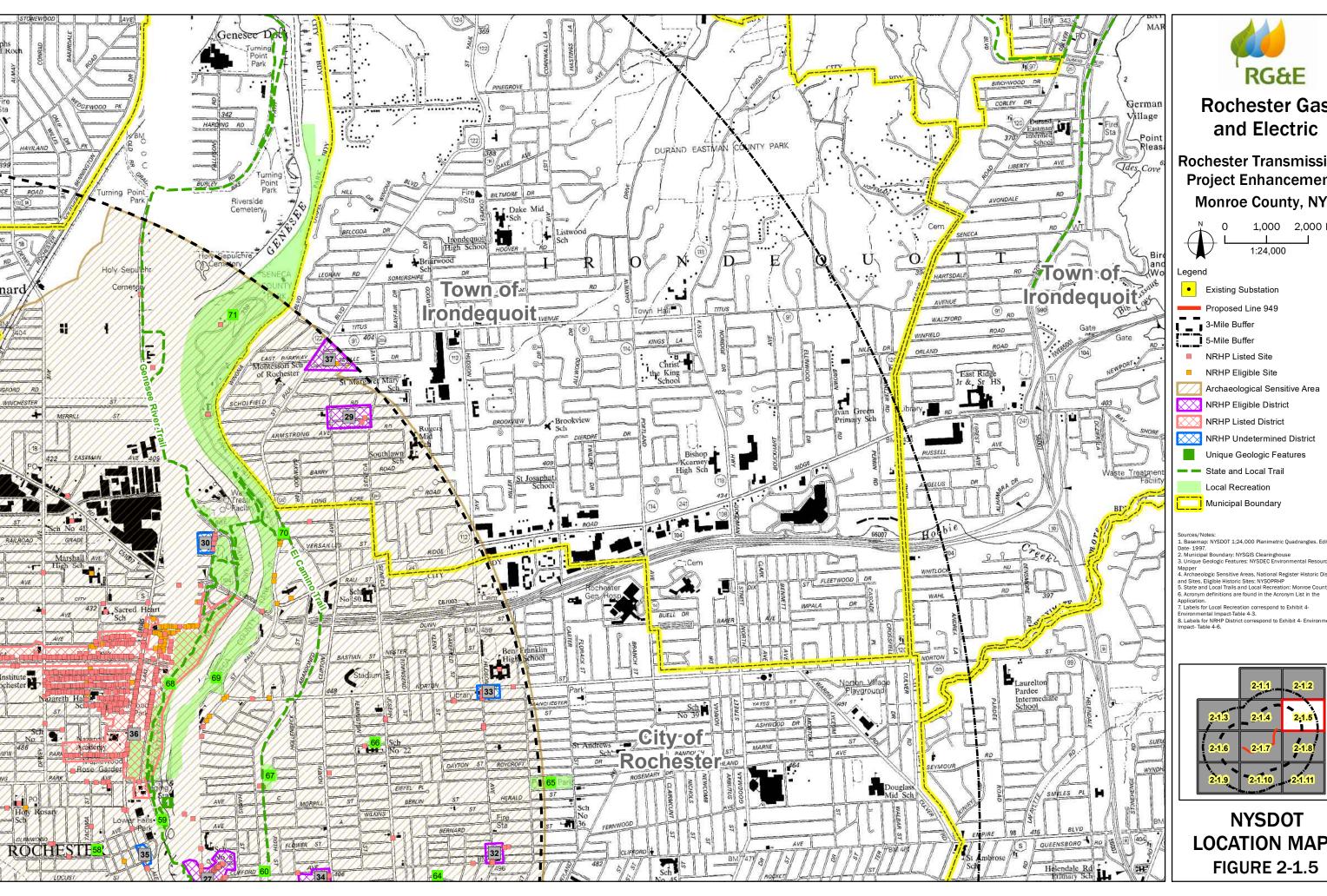


**Rochester Transmission Project Enhancement Monroe County, NY** 



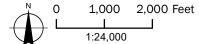
- Existing Substation
- Proposed Line 949
- 3-Mile Buffer
  - 5-Mile Buffer
- NRHP Eligible Site
- Archaeological Sensitive Area
- NRHP Listed District
- NRHP Undetermined District
  - Unique Geologic Features
- State and Local Trail
- Local Recreation
- Municipal Boundary



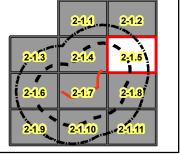


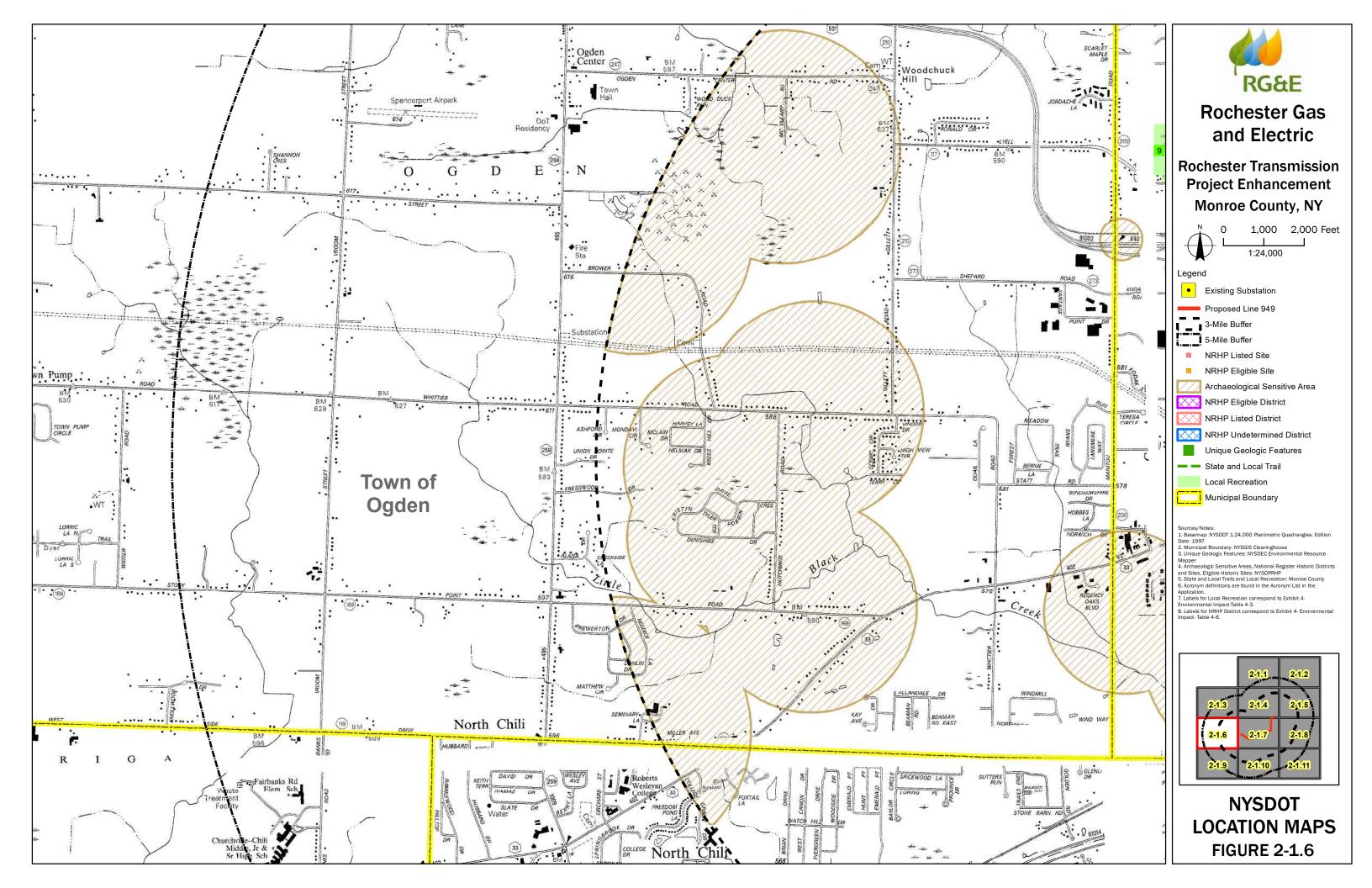


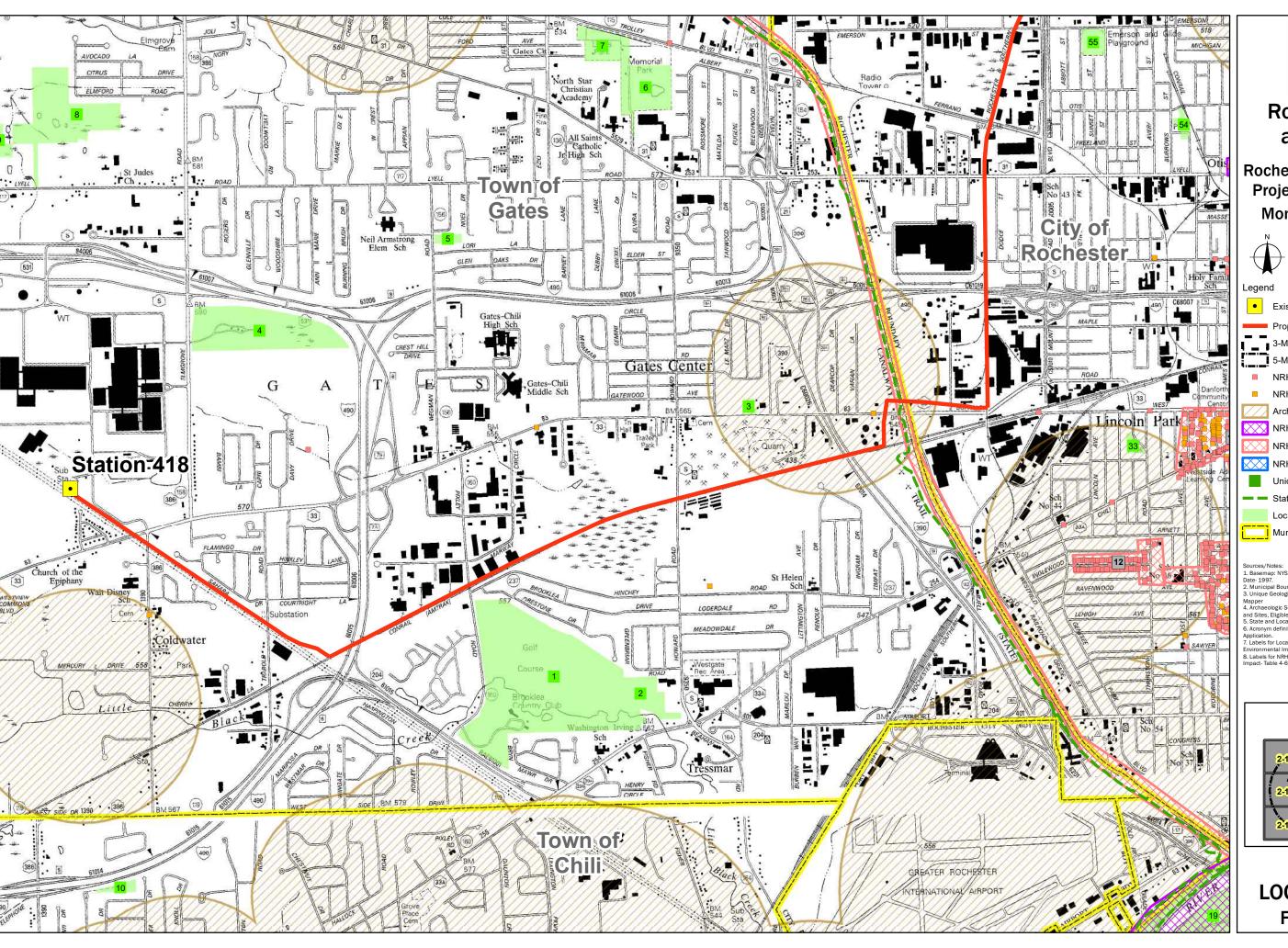
## **Rochester Transmission Project Enhancement Monroe County, NY**



- **Existing Substation**
- Proposed Line 949
- 3-Mile Buffer
- 5-Mile Buffer
- NRHP Listed Site
- Archaeological Sensitive Area
- NRHP Eligible District
- NRHP Listed District
- Unique Geologic Features
- State and Local Trail
- Local Recreation
- Municipal Boundary

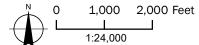






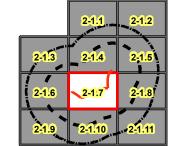


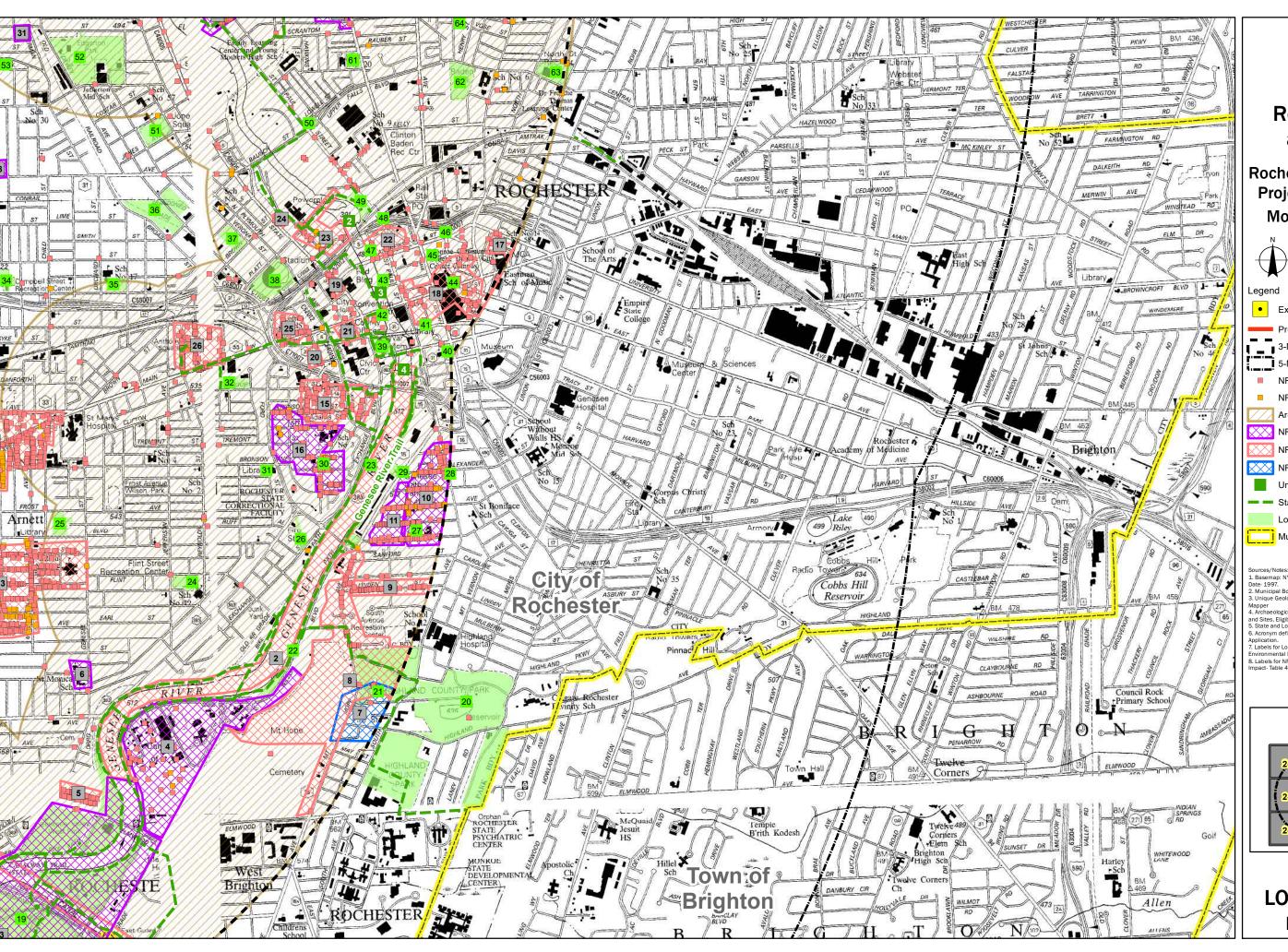
**Rochester Transmission Project Enhancement Monroe County, NY** 



- **Existing Substation**
- Proposed Line 949

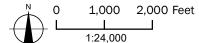
- NRHP Eligible Site
- Archaeological Sensitive Area
- NRHP Eligible District
- NRHP Listed District
  - NRHP Undetermined District Unique Geologic Features
  - State and Local Trail
- Local Recreation
- Municipal Boundary







## **Rochester Transmission Project Enhancement Monroe County, NY**





Proposed Line 949

## 3-Mile Buffer

NRHP Listed Site

## NRHP Eligible Site

Archaeological Sensitive Area

## NRHP Eligible District

NRHP Listed District

### NRHP Undetermined District

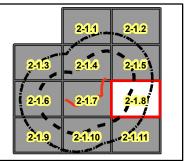
Unique Geologic Features

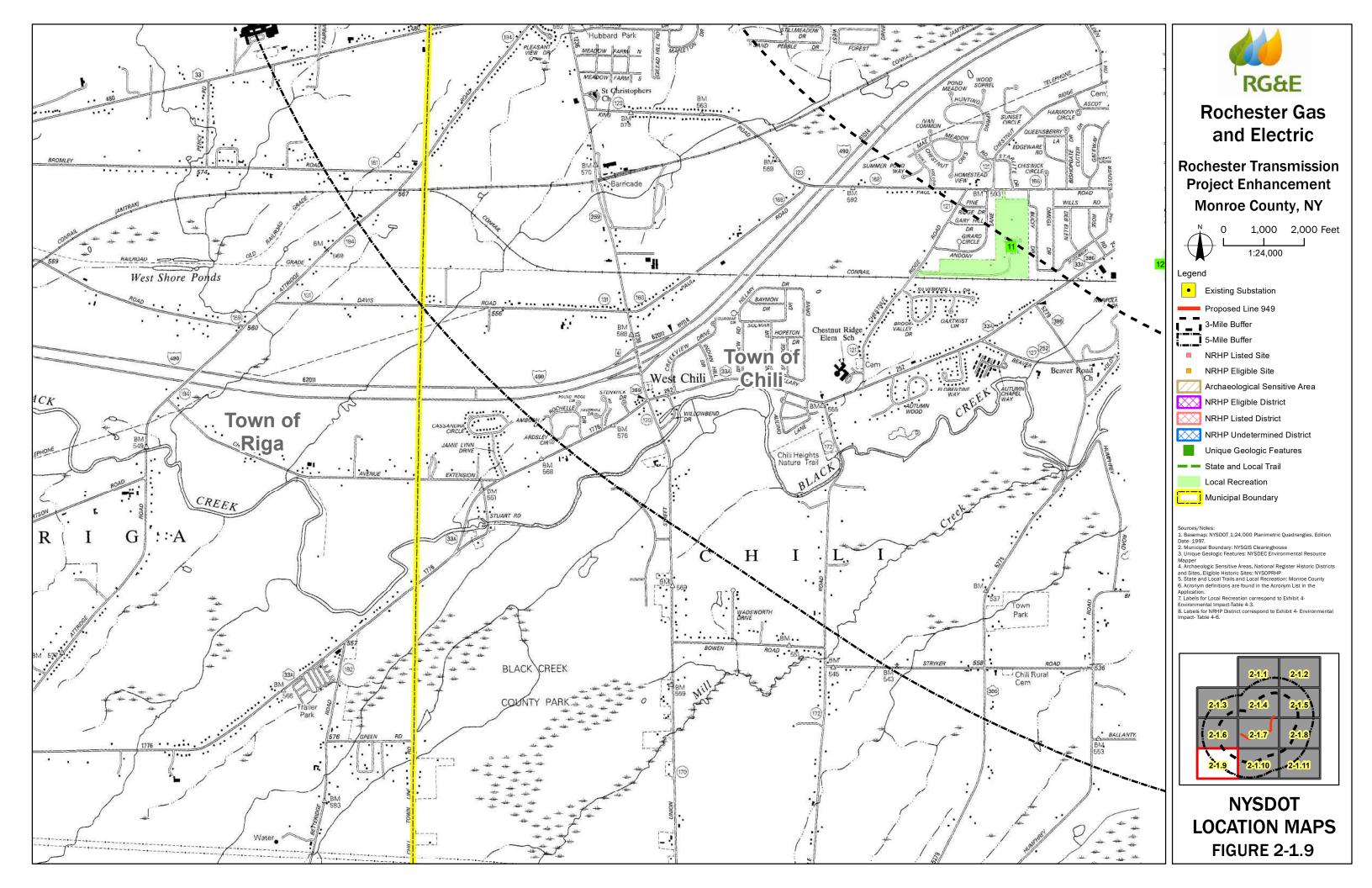
### State and Local Trail

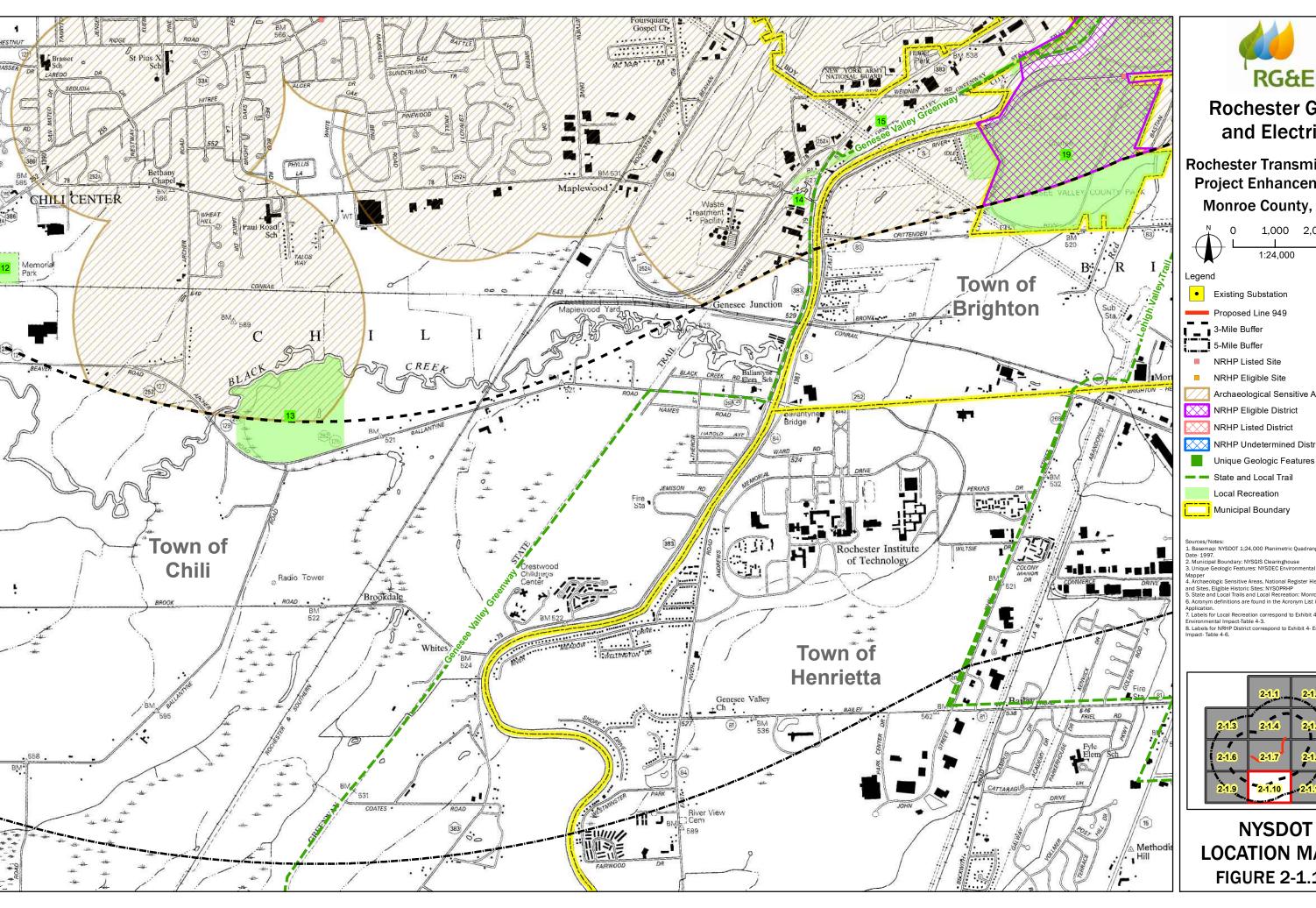
Local Recreation

## Municipal Boundary

4. Archaeologic Sensitive Areas, National Register Historic I and Sites, Eligible Historic Sites: NYSOPRHP
5. State and Local Trails and Local Recreation: Monroe Cou 6. Acronym definitions are found in the Acronym List in the Application.
7. Labels for Local Recreation correspond to Exhibit 4-Environmental Impact-Table 4-3.
8. Labels for NRHP District correspond to Exhibit 4- Environ Impact-Table 4-6.

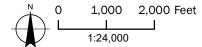






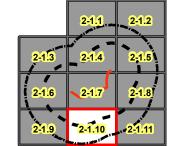


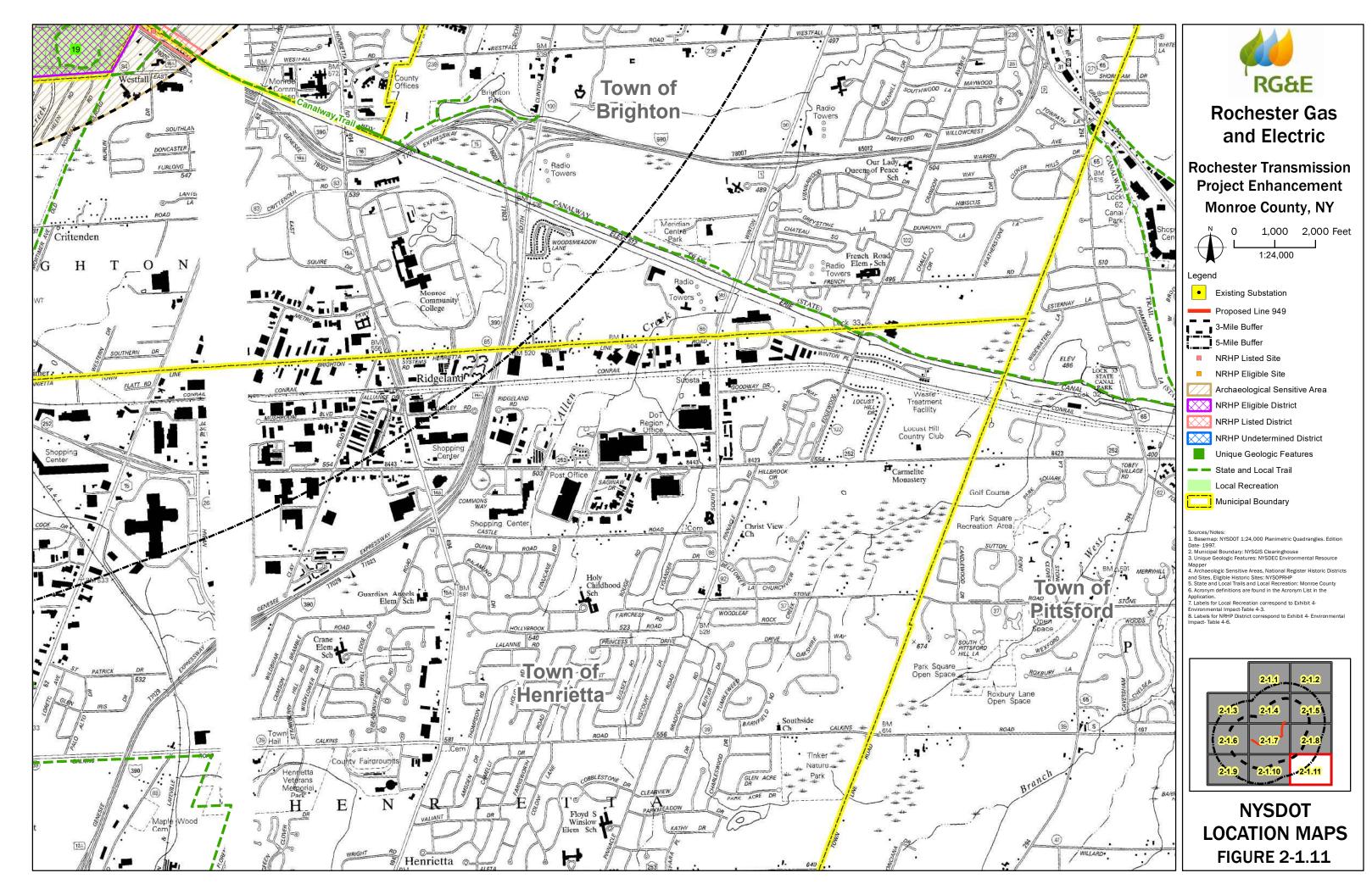
## **Rochester Transmission Project Enhancement Monroe County, NY**

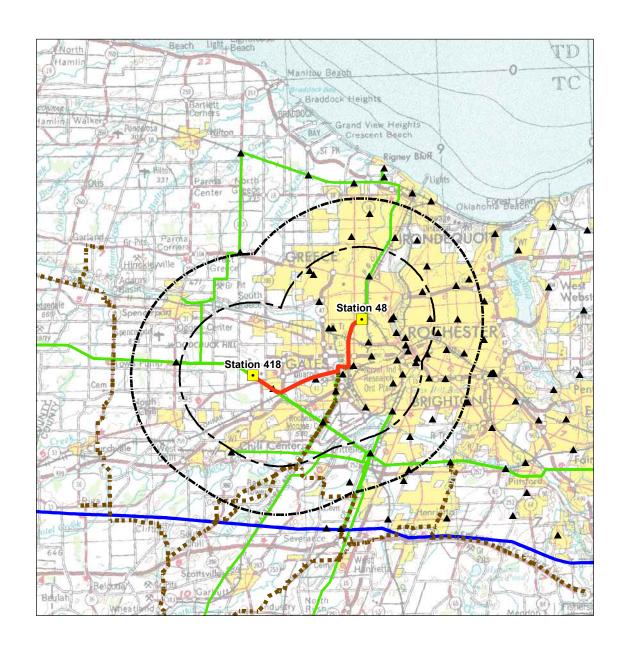


- **Existing Substation**
- Proposed Line 949
- 3-Mile Buffer
- NRHP Eligible Site
- Archaeological Sensitive Area
- NRHP Eligible District
- NRHP Listed District

  - State and Local Trail
- Local Recreation
- Municipal Boundary









## Rochester Transmission Project Enhancement Monroe County, NY



### Legend

Existing Substation

Existing outstation

Proposed Line 949 (115 kV)

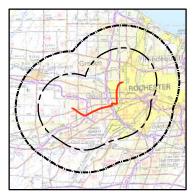


RG&E Substation

■ ■ NYSEG Gas Trasmission Line

RG&E/NYSEG 115 kV

National Grid 345 kV



### Sources/Notes

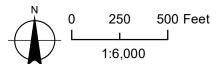
- 1. Basemap: NYSDOT 1;250,000 NYS GIS Program Office, NYSGIS Clearinghouse. Edition Date-1997.
- 2. Electric Transmission Lines: Homeland Infrastructure Foundation-Level Data. NYSEG Data
- 3. Gas Transmission Lines: NYSEG Data

Regional Transmission
System Map
FIGURE 2-2





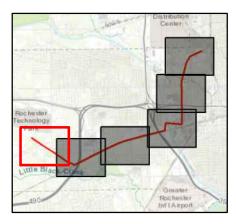
**Rochester Transmission Project Enhancement Monroe County, NY** 



## Legend

- Existing Substation
- Proposed Line 949
- Proposed ROW
- 1200-feet from Proposed ROW
- New Steel Pole
- Existing Pole to Remain
- Existing Poles to be Removed
- Station 48 Expansion
- Work Pad
- Areas of Permanent Clearing
- Access Road
- —— Road
- Municipal Boundary

- Sources/Notes:
  1. Streets data from NYSDOT Roadway Inventory, 2018 and NYS GIS Dept. Streets Inventory, 2019
  2. Basemap: Google Earth, 6/28/2018

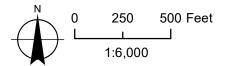


**Aerial Location of Proposed Facilities FIGURE 2-3.1** 



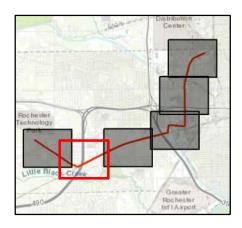


**Rochester Transmission Project Enhancement Monroe County, NY** 



- Existing Substation
- Proposed Line 949
- Proposed ROW
- 1200-feet from Proposed ROW
- New Steel Pole
- Existing Pole to Remain
- Existing Poles to be Removed
- Station 48 Expansion
- Work Pad
- Areas of Permanent Clearing
- Access Road
- ----- Road
- Municipal Boundary

- Sources/Notes:
  1. Streets data from NYSDOT Roadway Inventory, 2018 and NYS GIS Dept. Streets Inventory, 2019
  2. Basemap: Google Earth, 6/28/2018

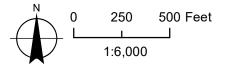


**Aerial Location of Proposed Facilities FIGURE 2-3.2** 



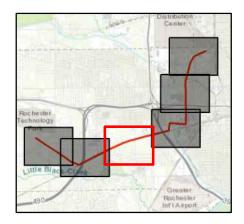


**Rochester Transmission Project Enhancement Monroe County, NY** 

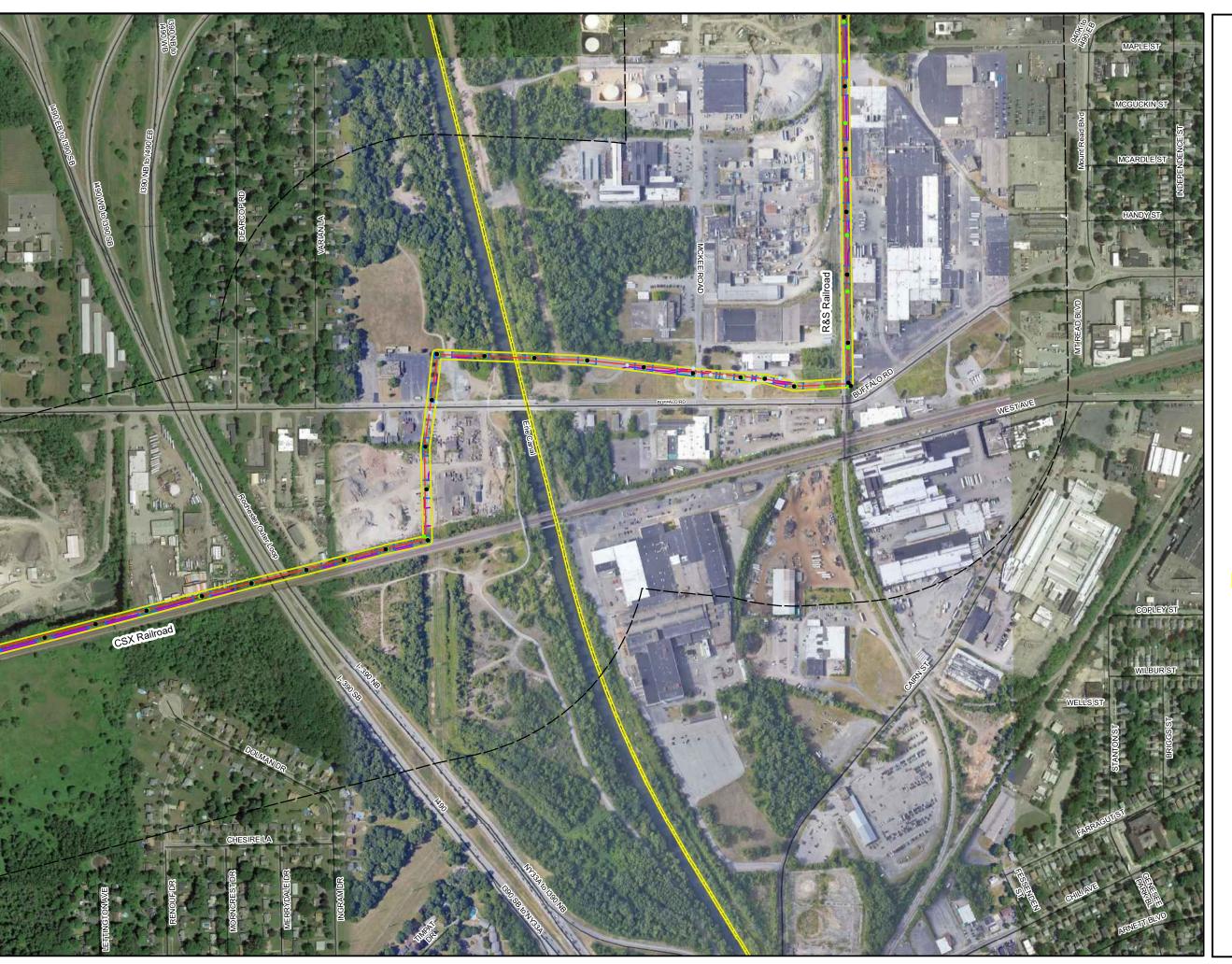


- Existing Substation
- Proposed Line 949
- Proposed ROW
- 1200-feet from Proposed ROW
- New Steel Pole
- Existing Pole to Remain
- Existing Poles to be Removed
- Station 48 Expansion
- Work Pad
- Areas of Permanent Clearing
- Access Road
- ----- Road
- Municipal Boundary

- Sources/Notes: 1. Streets data from NYSDOT Roadway Inventory, 2018 and NYS GIS Dept. Streets Inventory, 2019 2. Basemap: Google Earth, 6/28/2018

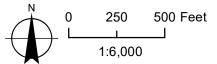


**Aerial Location of Proposed Facilities FIGURE 2-3.3** 



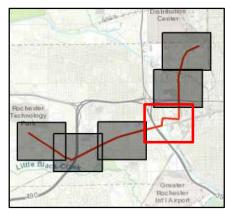


**Rochester Transmission Project Enhancement Monroe County, NY** 

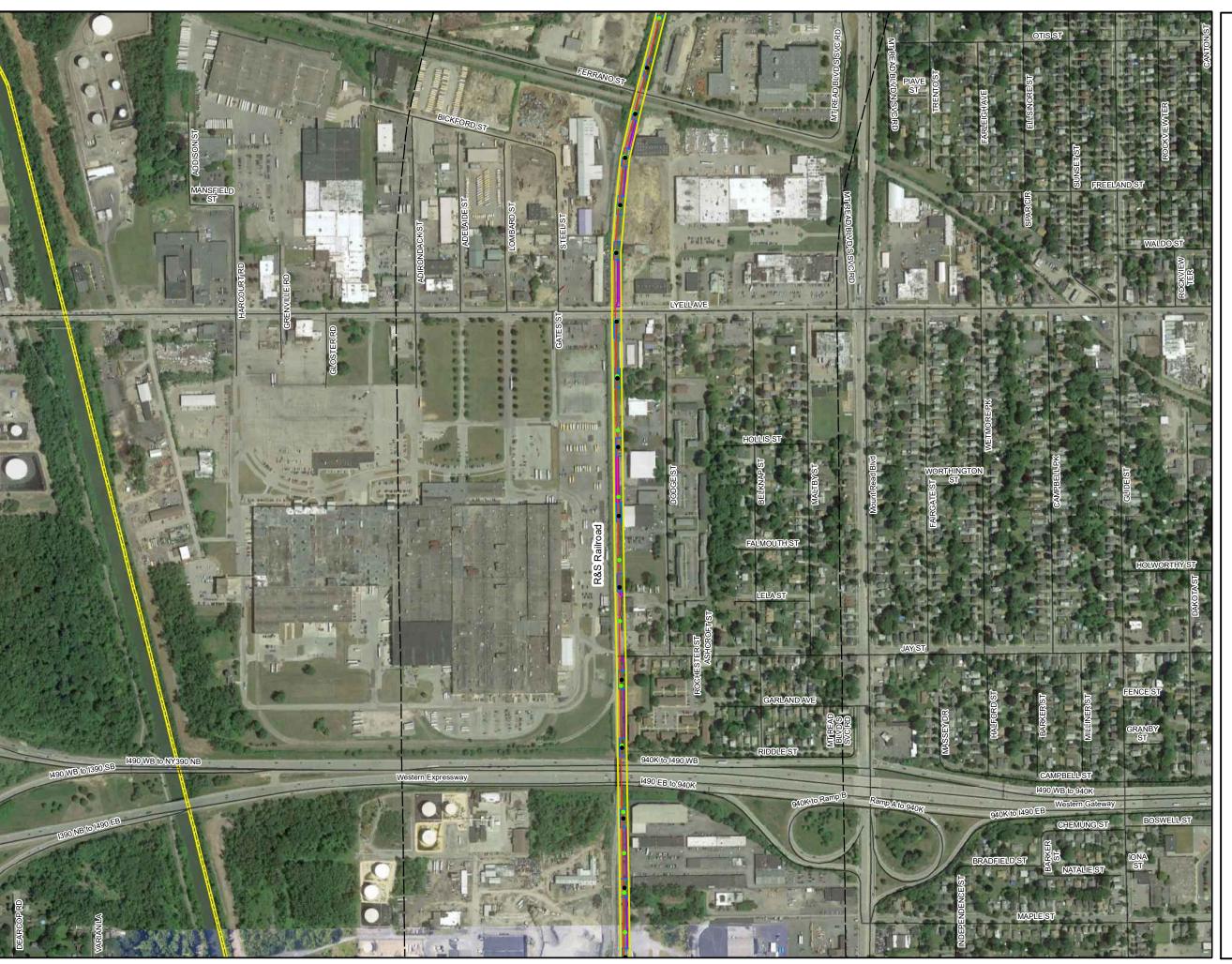


- Existing Substation
- Proposed Line 949
- Proposed ROW
- 1200-feet from Proposed ROW
- New Steel Pole
- Existing Pole to Remain
- Existing Poles to be Removed
- Station 48 Expansion
- Work Pad
- Areas of Permanent Clearing
- Access Road
- ----- Road
- Municipal Boundary

- Sources/Notes: 1. Streets data from NYSDOT Roadway Inventory, 2018 and NYS GIS Dept. Streets Inventory, 2019 2. Basemap: Google Earth, 6/28/2018

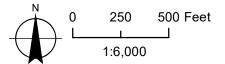


**Aerial Location of Proposed Facilities FIGURE 2-3.4** 





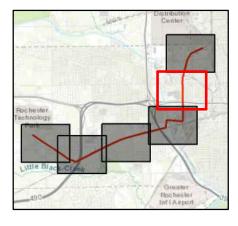
**Rochester Transmission Project Enhancement Monroe County, NY** 



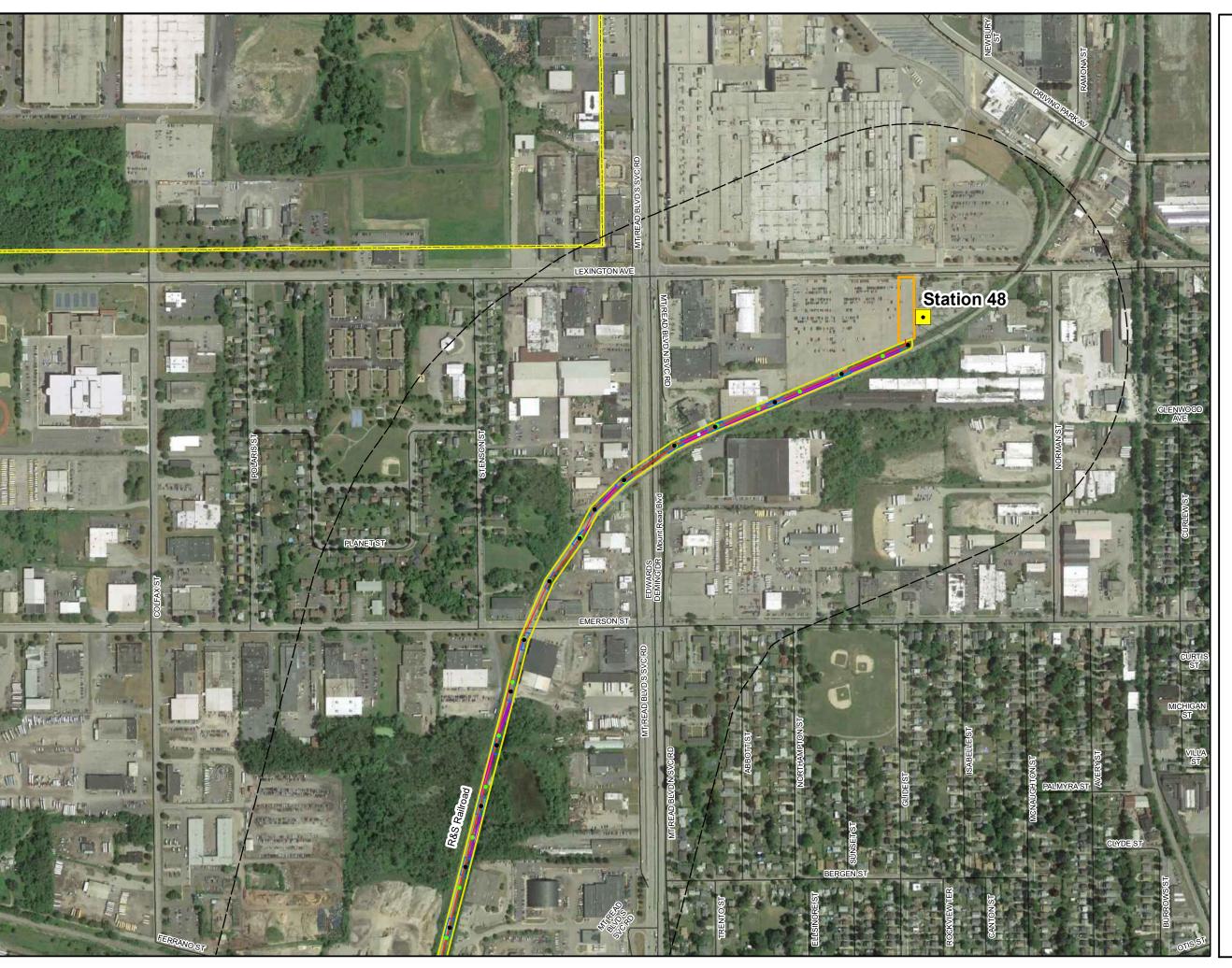
## Legend

- Existing Substation
- Proposed Line 949
- Proposed ROW
- 1200-feet from Proposed ROW
- New Steel Pole
- Existing Pole to Remain
- Existing Poles to be Removed
- Station 48 Expansion
- Work Pad
- Areas of Permanent Clearing
- Access Road
- ----- Road
- Municipal Boundary

- Sources/Notes: 1. Streets data from NYSDOT Roadway Inventory, 2018 and NYS GIS Dept. Streets Inventory, 2019 2. Basemap: Google Earth, 6/28/2018

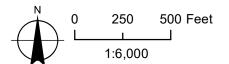


**Aerial Location of Proposed Facilities FIGURE 2-3.5** 



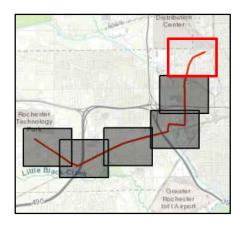


**Rochester Transmission Project Enhancement Monroe County, NY** 



- Existing Substation
- Proposed Line 949
- Proposed ROW
- 1200-feet from Proposed ROW
- New Steel Pole
- Existing Pole to Remain
- Existing Poles to be Removed
- Station 48 Expansion
- Work Pad
- Areas of Permanent Clearing
- Access Road
- —— Road
- Municipal Boundary

- Sources/Notes: 1. Streets data from NYSDOT Roadway Inventory, 2018 and NYS GIS Dept. Streets Inventory, 2019 2. Basemap: Google Earth, 6/28/2018



**Aerial Location of Proposed Facilities FIGURE 2-3.6**