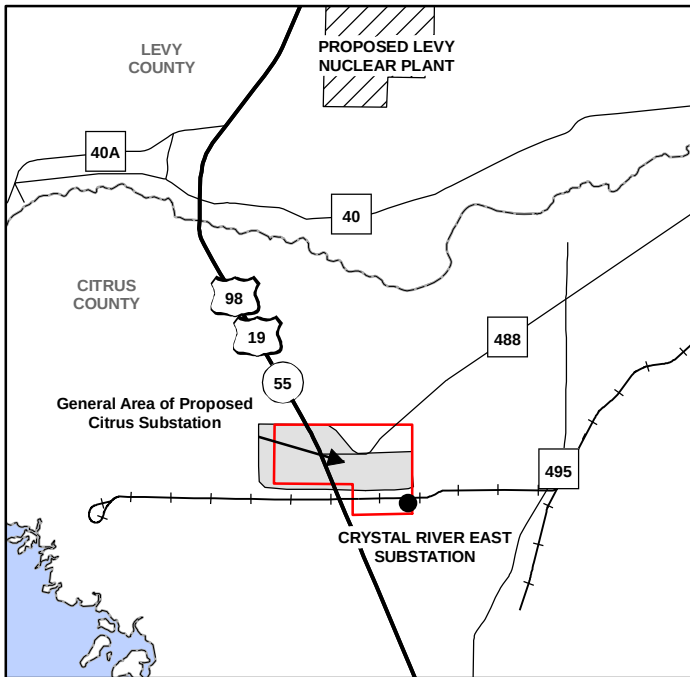
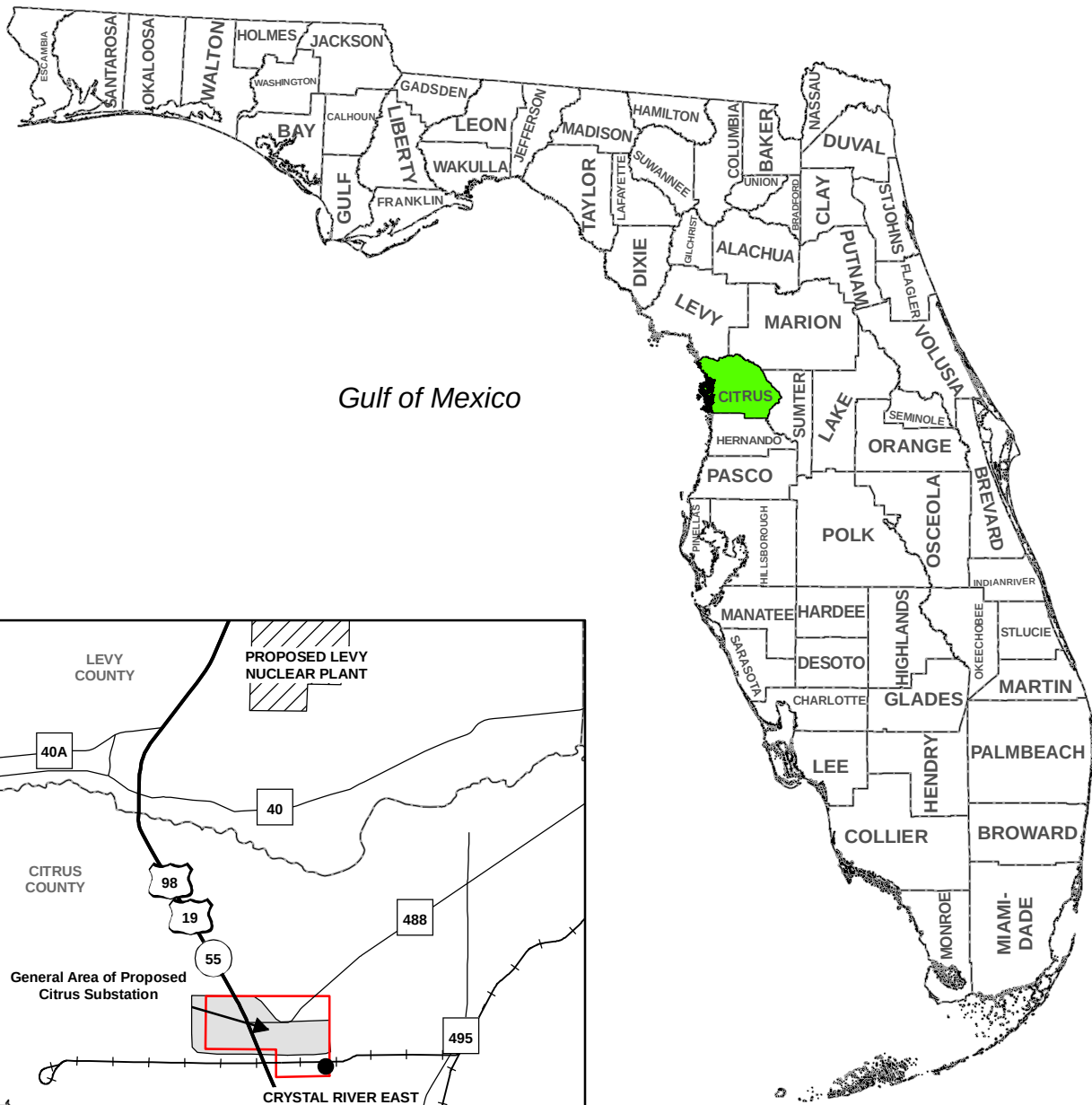


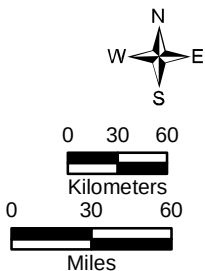


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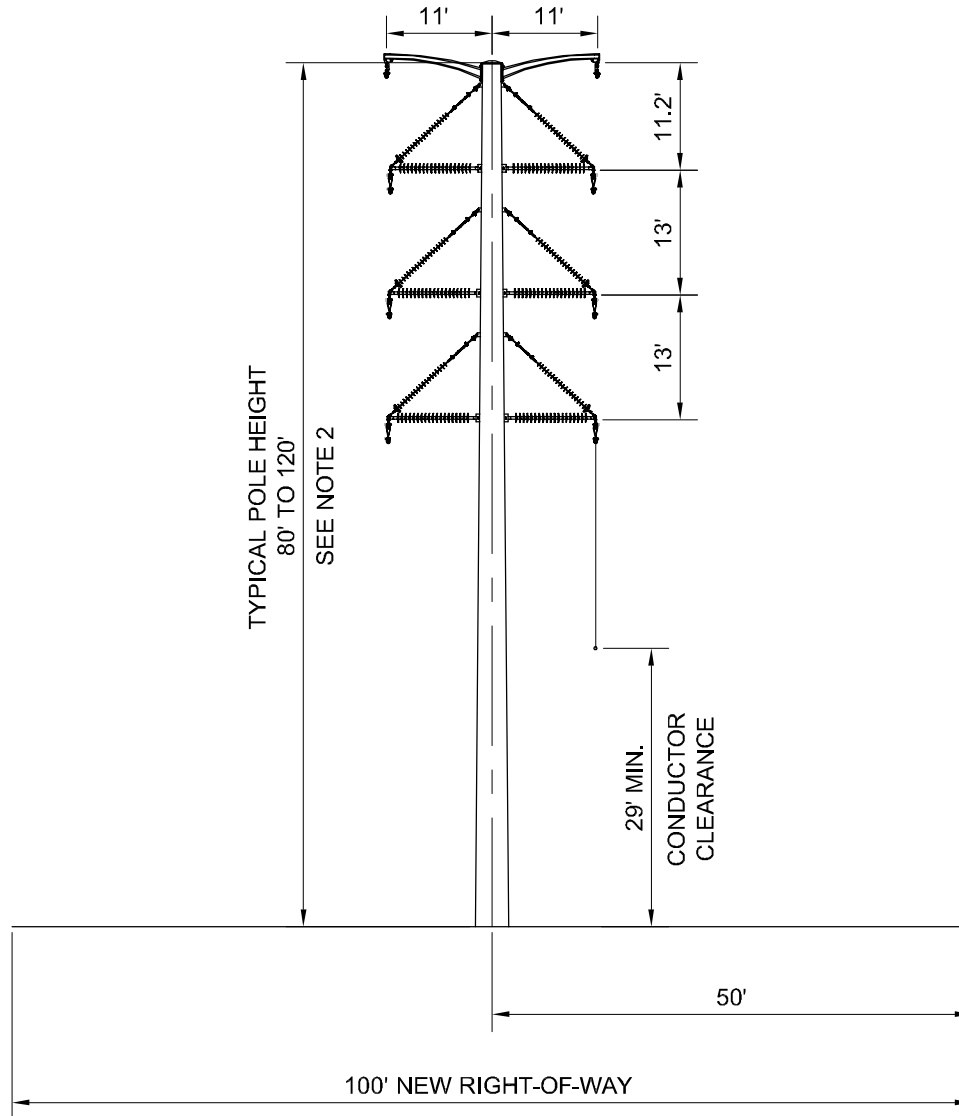
- Substations
- US Road
- State Road
- County Road
- Railroad
- ▭ Corridor Boundary
- ▨ Proposed Levy Nuclear Plant
- ▭ General Area of Proposed Citrus Substation
- ▭ Florida County Boundaries

Sources

Corridors & General Area of Proposed Citrus Substation -
 Golder Associates Inc. & Progress Energy Florida, 2008
 Substations & Proposed Levy Nuclear Plant - Progress Energy Florida, 2008
 All Roads - Florida Department of Transportation, 2008
 Railroads - Florida Department of Environmental Protection, 1992
 Florida County Boundaries - US Census Bureau, 2003

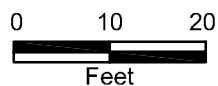


Progress Energy Florida	
Levy Nuclear Plant Units 1 and 2 Site Certification Application	
CCRE	
Corridor Location	
FIGURE 9-A7.0-1	
Rev 0	



NOTE:

1. TYPICAL PIER FOUNDATION TO BE 6' TO 9' IN DIAMETER.
2. PROPOSED 230kV STRUCTURES SPOTTED AT A TYPICAL SPAN OF APPROXIMATELY 600'.

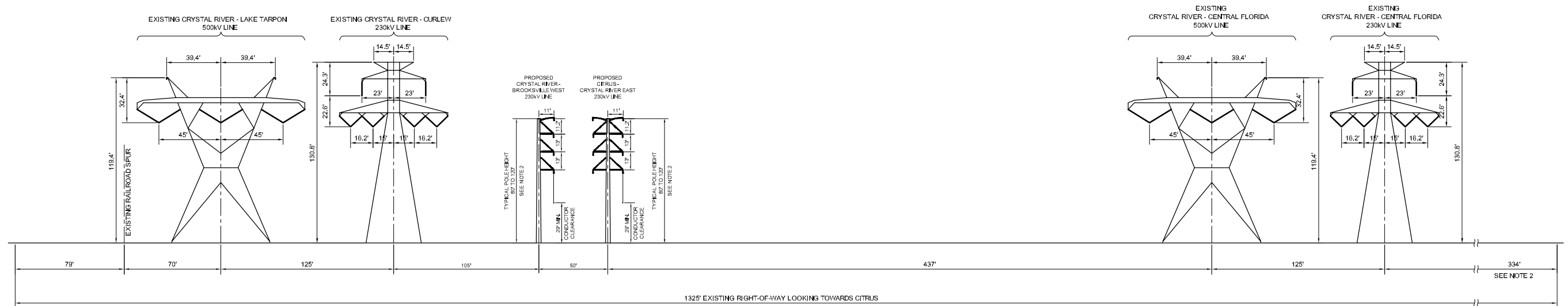


Progress Energy Florida
**Levy Nuclear Plant
Units 1 and 2
Site Certification Application**

Typical Tangent
Monopole Structure
on New Right-of-Way

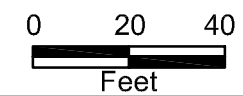
FIGURE 9-A7.2-1

Rev 0



NOTE:

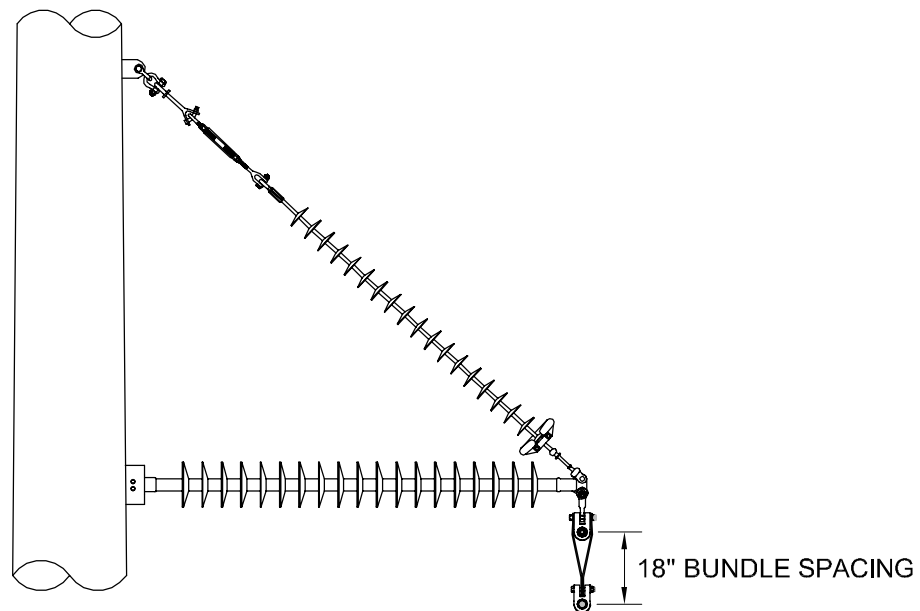
1. TYPICAL PIER FOUNDATION TO BE 6' TO 9' IN DIAMETER.
2. PROPOSED 230kV STRUCTURES SPOTTED AT A TYPICAL SPAN OF APPROXIMATELY 600'.



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**Levy Nuclear Plant
Units 1 and 2
Site Certification Application**

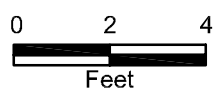
Typical Tangent Monopole Structure Parallel to Existing
PEF 230/500kV Right-of-Way
FIGURE 9-A7.2-2

Rev 0



NOTE:

1. TYPICAL INSULATOR ASSEMBLY SHOWN, OTHERS WILL BE REQUIRED BASED ON STRENGTH REQUIREMENTS.



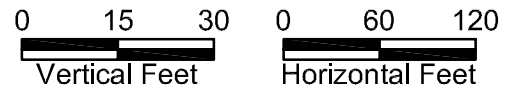
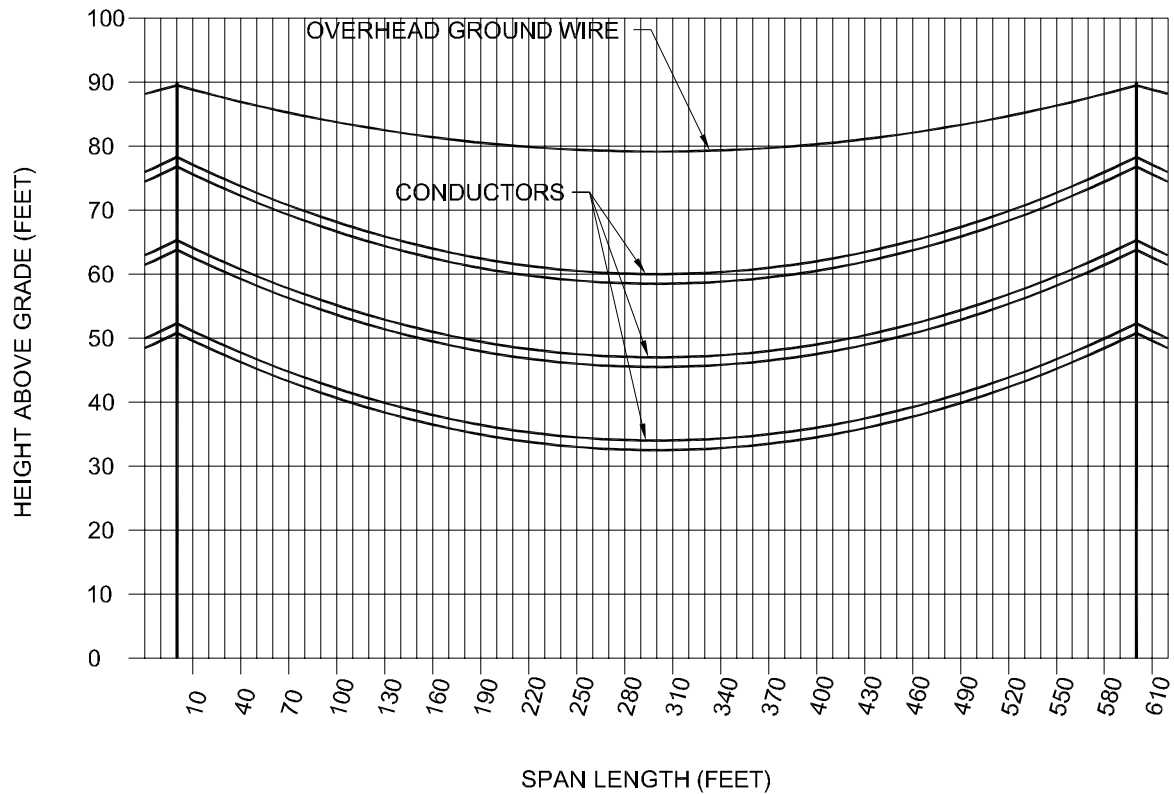
Progress Energy Florida

**Levy Nuclear Plant
Units 1 and 2
Site Certification Application**

Typical 230kV Tangent
Insulator Assembly

FIGURE 9-A7.2-3

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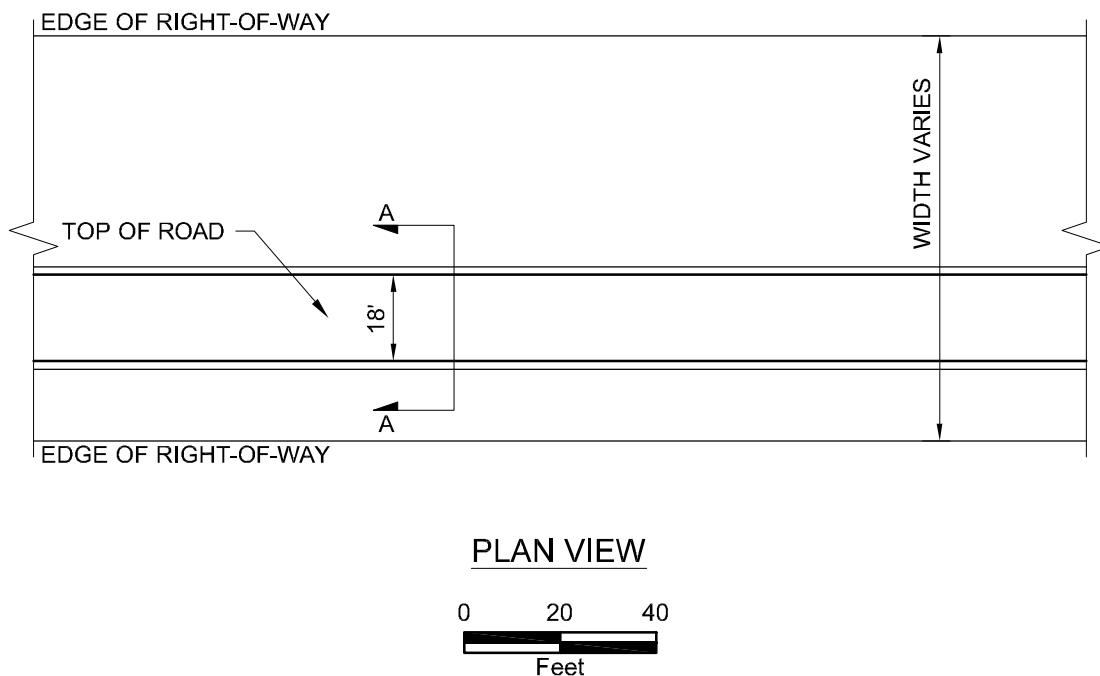
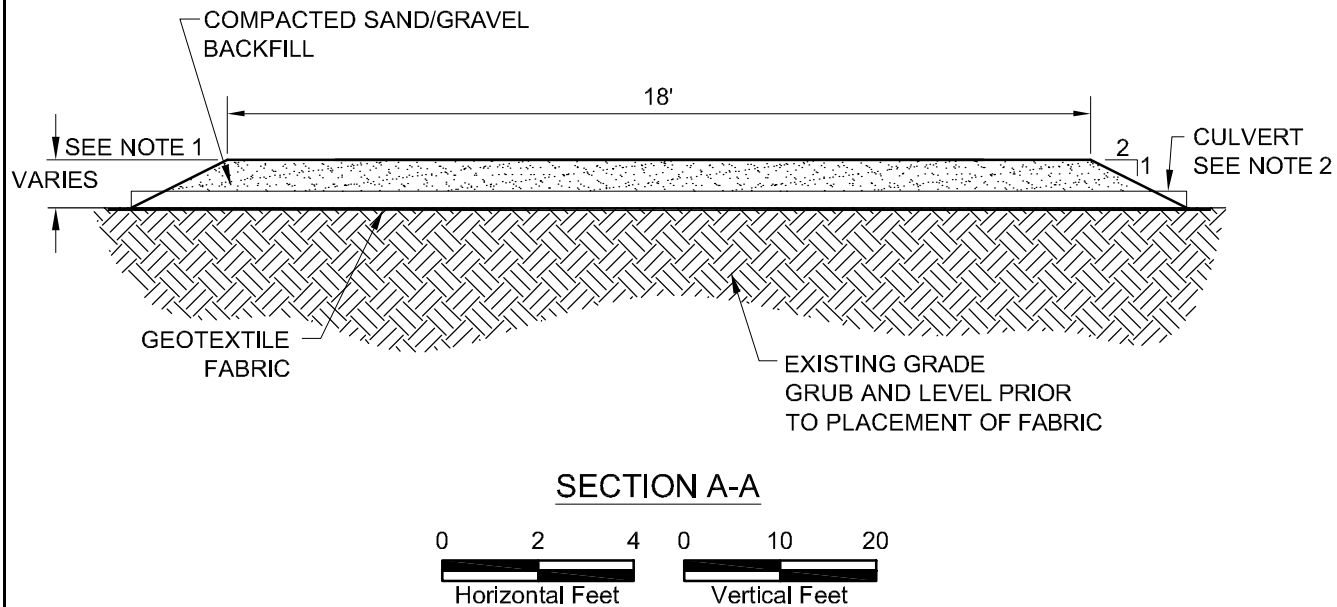
NOTES:

1. THIS PROFILE ASSUMES A SPAN LENGTH OF 600' AND POLE HEIGHTS 90' ABOVE GRADE. MIDSPAN CLEARANCES ALONG THE LINE WILL VARY DEPENDING ON POLE HEIGHTS AND SPAN LENGTHS BETWEEN STRUCTURES.
2. CONDUCTORS SHOWN AT MAXIMUM CONDUCTOR DESIGN TEMPERATURE OF 392° F (200° C).
3. OVERHEAD GROUND WIRE SHOWN AT MAXIMUM CONDUCTOR DESIGN TEMPERATURE OF 120° F (49° C).

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Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Conductor Profile
 for Typical Tangent
 Monopole Structure
 FIGURE 9-A7.2-4

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NOTES:

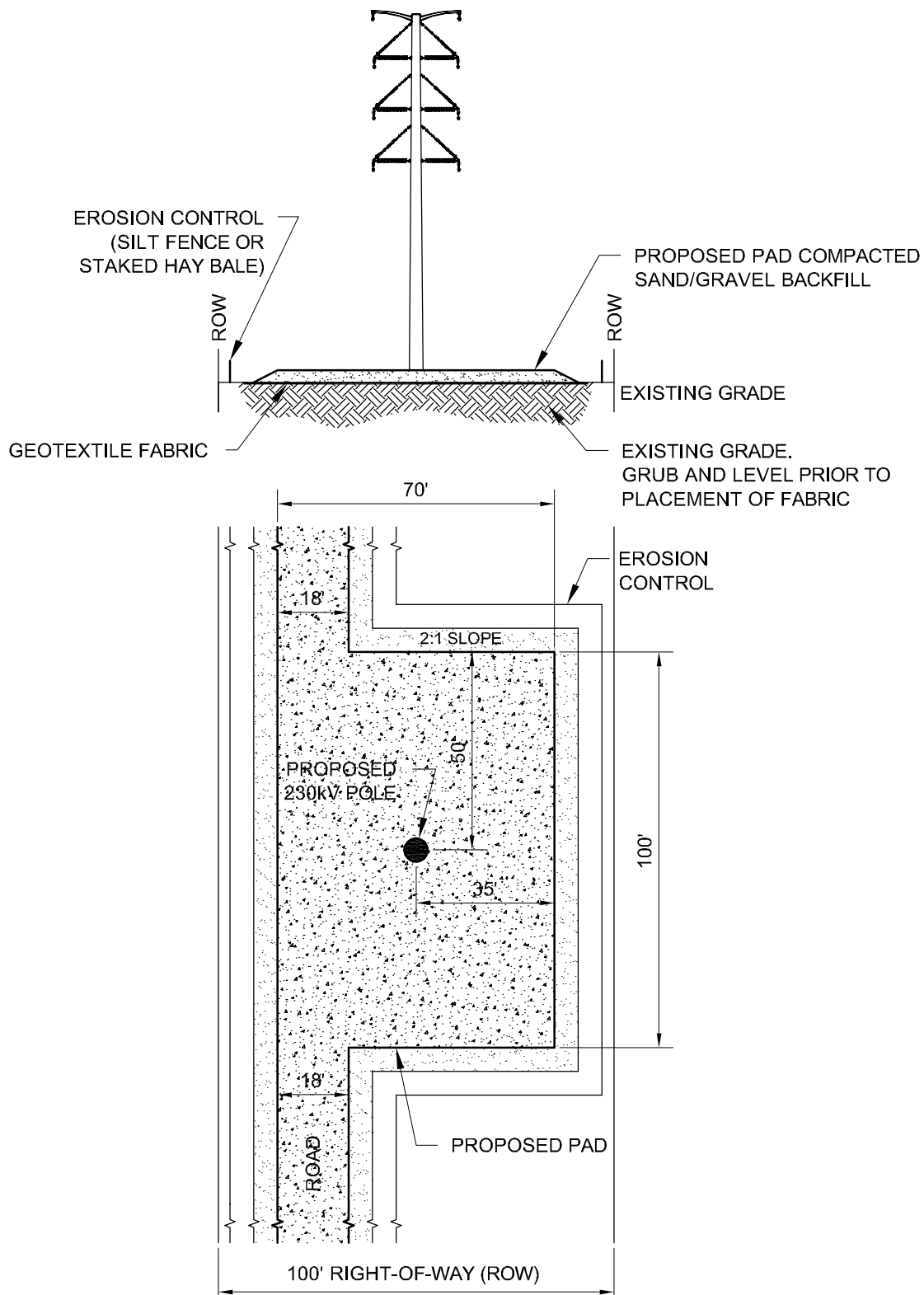
1. TOP OF ROAD & PAD SET UP TO 2 FEET ABOVE SEASONAL HIGH WATER LINE.
2. ADD CULVERTS AS REQUIRED TO MAINTAIN FLOW. A MINIMUM OF 2 FEET OF COVER IS REQUIRED OVER CULVERTS.

Progress Energy Florida
**Levy Nuclear Plant
 Units 1 and 2
 Site Certification Application**

Typical Access Road

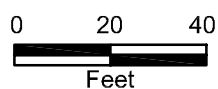
FIGURE 9-A7.2-5

Rev 0



NOTES:

1. TOP OF ROAD & PAD SET UP TO 2 FEET ABOVE SEASONAL HIGH WATER LINE.
2. ADD CULVERTS AS REQUIRED TO MAINTAIN FLOW. A MINIMUM OF 2 FEET OF COVER IS REQUIRED OVER CULVERTS.

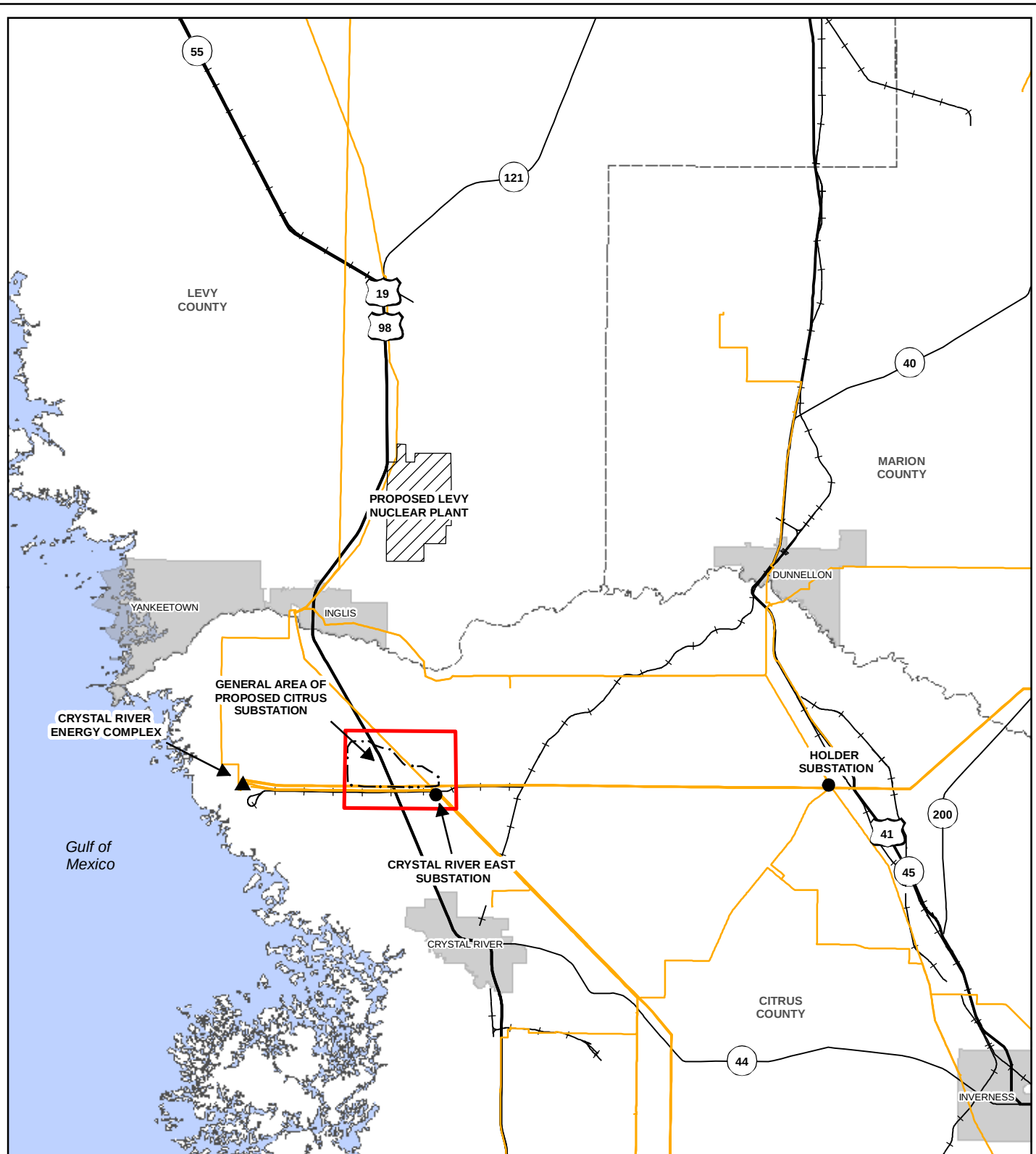


Progress Energy Florida
**Levy Nuclear Plant
 Units 1 and 2
 Site Certification Application**

Typical Access Road and
 Structure Pad

FIGURE 9-A7.2-6

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LEGEND

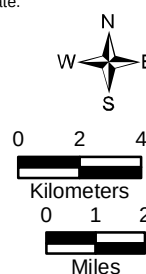
- ▲ Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- US Road
- State Road
- Railroad
- Study Area
- General Area of Proposed Citrus Substation
- Proposed Levy Nuclear Plant
- Municipalities
- Florida County Boundaries

Note

Please note that the municipal boundaries are approximate.

Sources

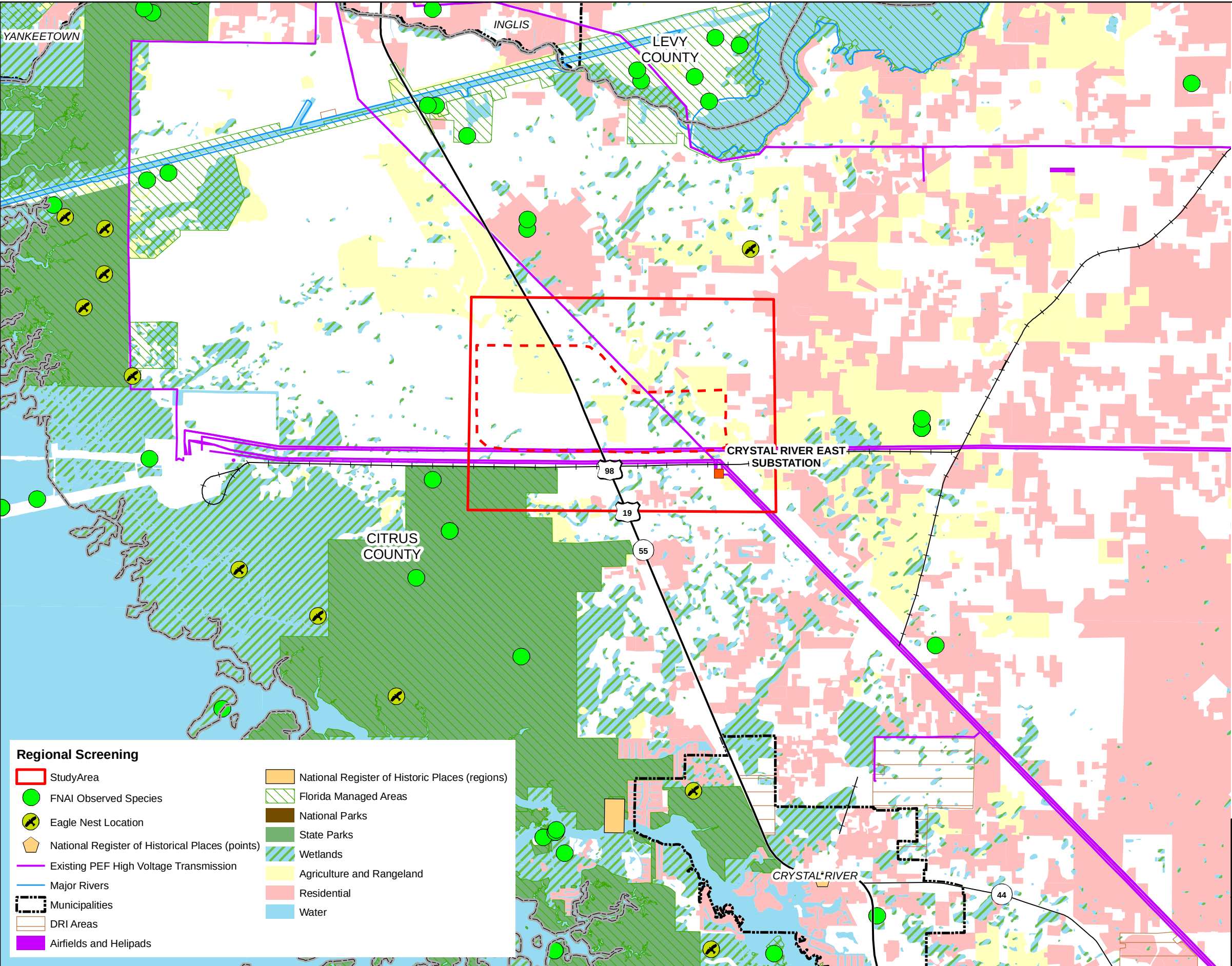
Substations, Existing Progress Energy Florida Transmission Lines & Proposed Levy Nuclear Plant - Progress Energy Florida, 2008
 Study Area & General Area of Proposed Citrus Substation - Golder Associates Inc. & Progress Energy Florida, 2008
 All Roads - Florida Department of Transportation, 2008
 Railroads - Florida Department of Environmental Protection, 1992
 Municipalities - University of Florida Geoplan Center, 2005 with Golder update, 2008
 Florida County Boundaries - US Census Bureau, 2003



Progress Energy Florida Levy Nuclear Plant Units 1 and 2 Site Certification Application

CCRE
 Study Area
 FIGURE 9-A7.3-1

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LEGEND

- Substations
- Interstate
- Toll Roads
- US Roads
- State Roads
- Railroad
- StudyArea
- General Area of Proposed Citrus Substation
- County boundary

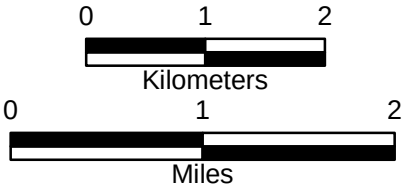


Note

1. Please note that municipality boundaries are approximate

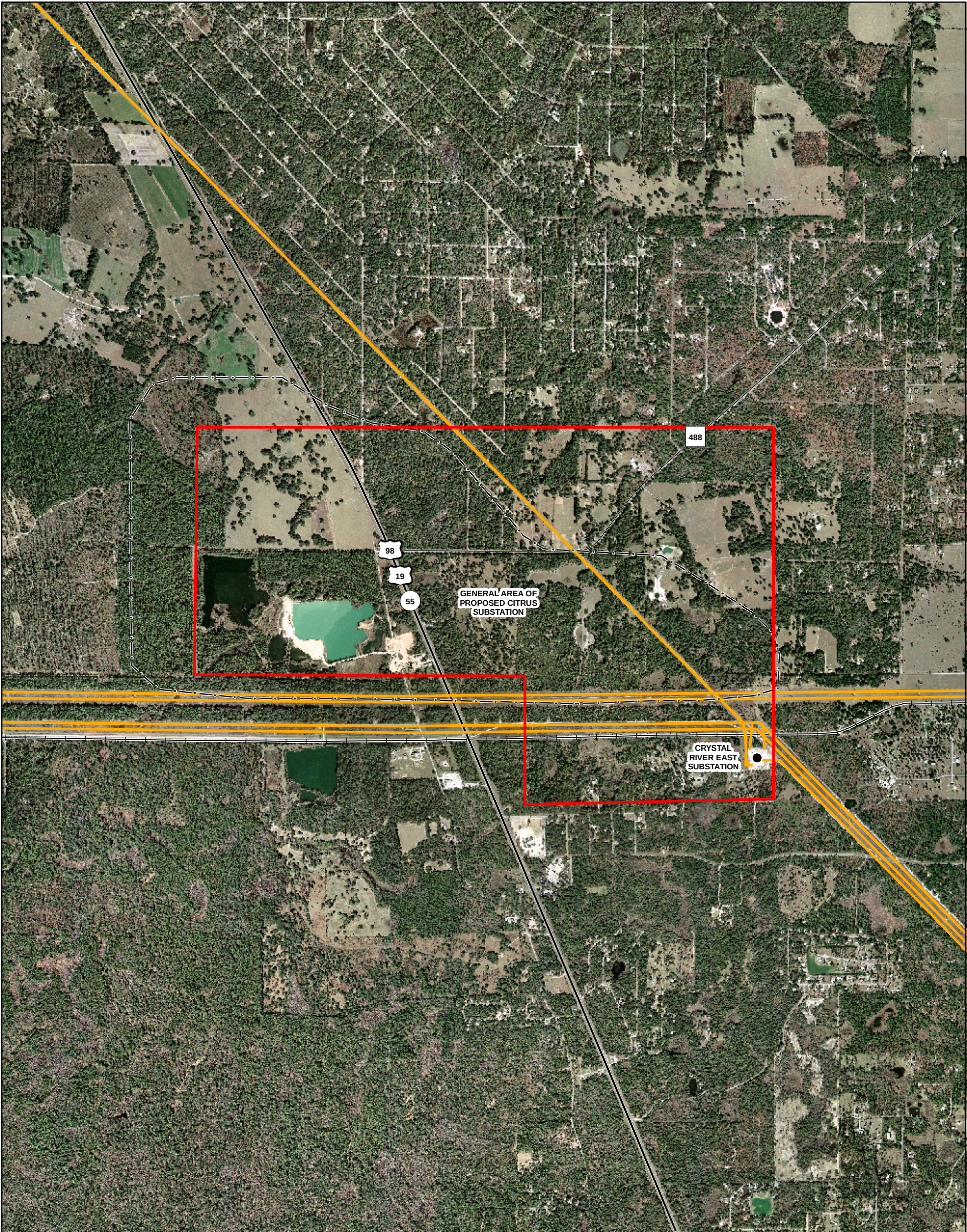
Sources

Substations, Proposed Levy Nuclear Power Plant, and Existing Transmission: Progress Energy Florida, 2008
Florida County Boundaries: US Census Bureau, 2003
Roads: Florida Department of Transportation, 2008
Study Area & General Areas of Proposed Substations: Golder Associates Inc. & Progress Energy Florida, 2008
Railroads: Florida Geographic Data Library, 1992
National Register of Historic Places: National Park Service, 2007
Airfields, Rivers, Florida Managed Areas, DRIs, and National/State Parks: Florida Geographic Data Library, 2007
FNAI Observed Species: Florida Natural Areas Inventory, 2008
Eagle Nest Locations: FNAI, FFWCC, and Golder observation; 2007
Municipalities: University of Florida GeoPlan Center, 2005 with Golder update, 2008
Florida Land Use, Cover & Forms Classification System: SWFWMD 2005, SJRWMD 2004



Progress Energy Florida
**Levy Nuclear Plant
Units 1 and 2
Site Certification Application**

CCRE
Regional Screening
FIGURE 9-A7.3-2



LEGEND

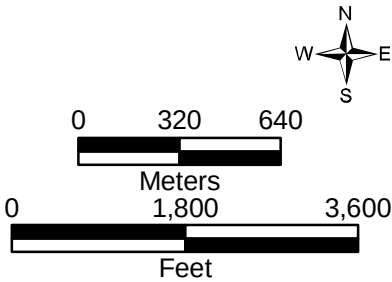
- Substations
- Existing Progress Energy Florida Transmission Lines
- US Road
- State Road
- County Road
- Railroads
- Corridor Boundary
- General Area of Proposed Citrus Substation

Sources

Substations & Existing Progress Energy Florida Transmission Lines- Progress Energy Florida, 2008
Corridor & General Area of Proposed Citrus Substation - Golder Associates Inc. & Progress Energy Florida, 2008
All Roads - Florida Department of Transportation, 2008
Railroads - Florida Department of Environmental Protection, 1992
Aerial - 2007 Aerials Express

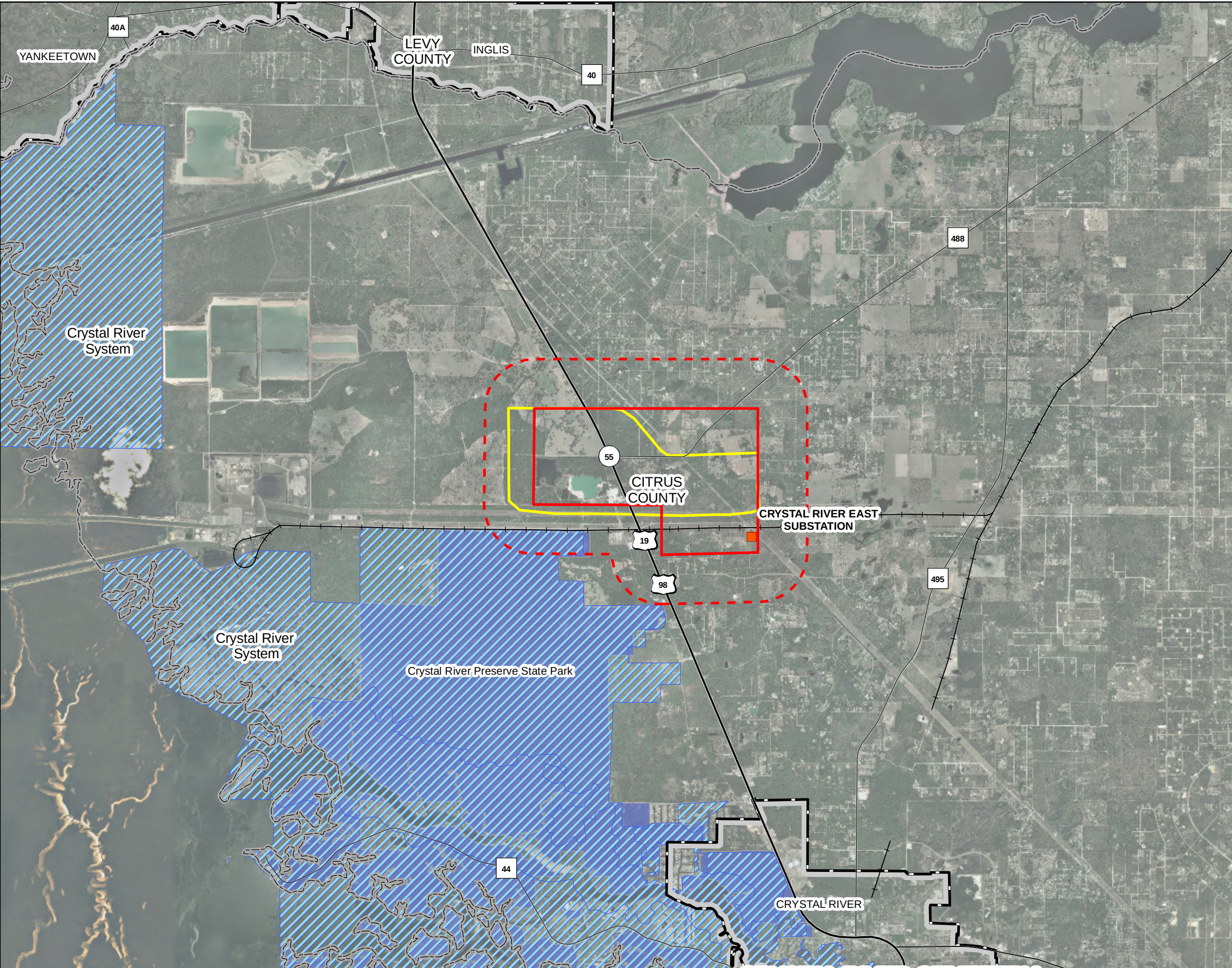
Note

Please note that the municipal boundaries are approximate.



Progress Energy Florida Levy Nuclear Plant Units 1 and 2 Site Certification Application
CCRE Corridor FIGURE 9-A7.3-3

Rev 0



LEGEND

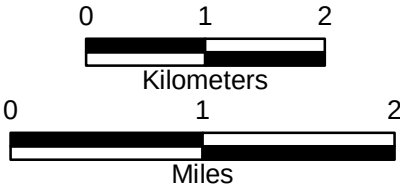
- Substations
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- Corridor 0.5-mile Buffer
- General Area of Proposed Citrus Substation
- Proposed Levy Nuclear Plant
- County Boundary
- Municipalities
- Outstanding Florida Waters

Note

1. Please note that the municipality boundaries are approximate.

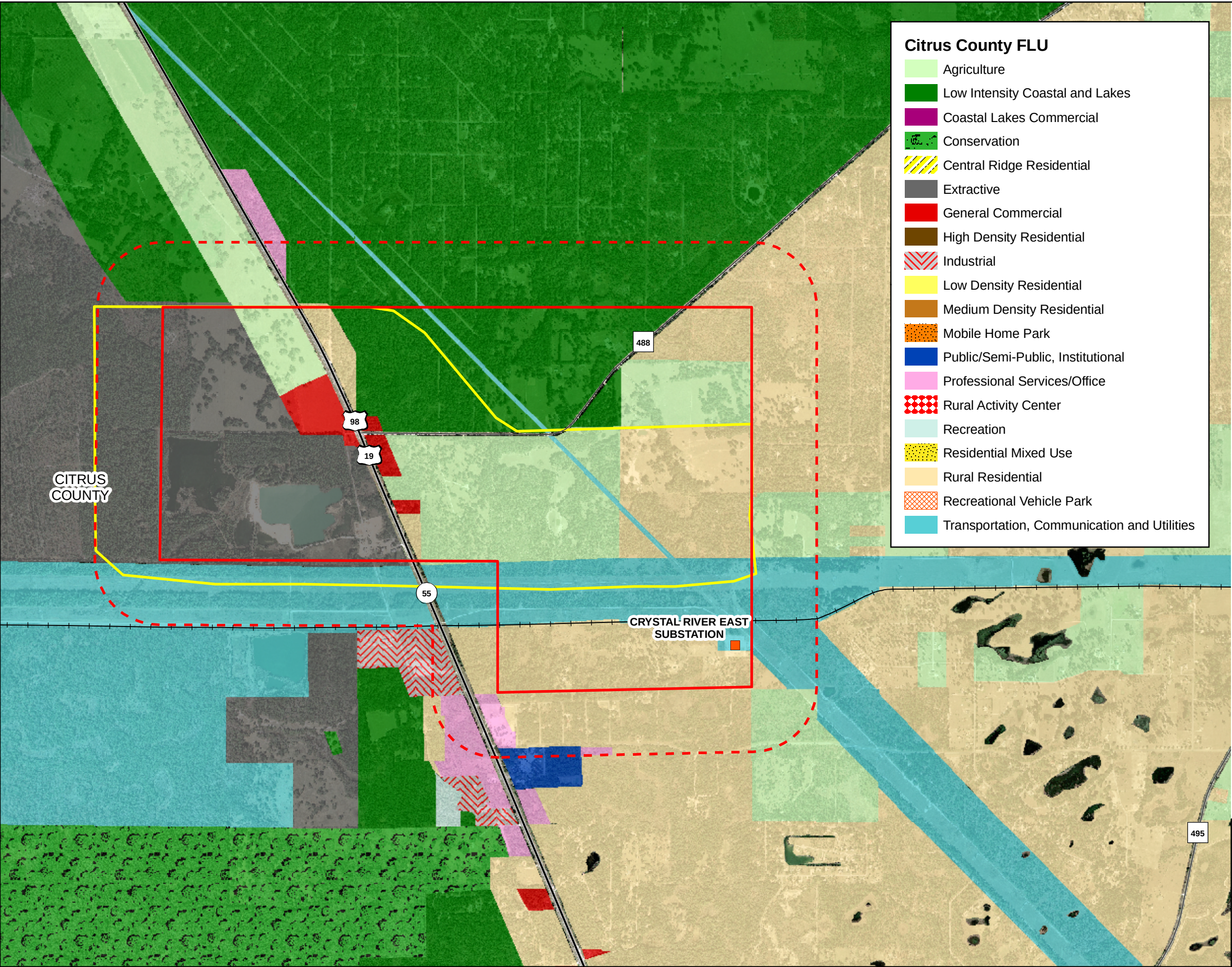
Sources

Substations & Proposed Levy Nuclear Power Plant: Progress Energy Florida, 2008
Florida County Boundaries: US Census Bureau, 2003
Roads: Florida Department of Transportation, 2008
Corridors & General Areas of Proposed Substations: Golder Associates Inc. & Progress Energy Florida, 2008
Railroads: Florida Geographic Data Library, 1992
Florida Managed Areas and Existing Trails: Florida Geographic Data Library, 2007
Municipalities: University of Florida GeoPlan Center, 2005 with Golder update, 2008



Progress Energy Florida
**Levy Nuclear Plant
Units 1 and 2
Site Certification Application**

CCRE
Governmental Jurisdictions
FIGURE 9-A7.3-4



Citrus County FLU

- Agriculture
- Low Intensity Coastal and Lakes
- Coastal Lakes Commercial
- Conservation
- Central Ridge Residential
- Extractive
- General Commercial
- High Density Residential
- Industrial
- Low Density Residential
- Medium Density Residential
- Mobile Home Park
- Public/Semi-Public, Institutional
- Professional Services/Office
- Rural Activity Center
- Recreation
- Residential Mixed Use
- Rural Residential
- Recreational Vehicle Park
- Transportation, Communication and Utilities

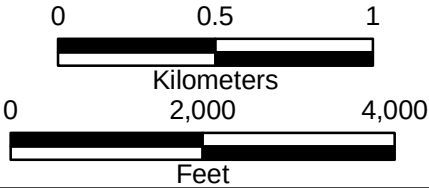
LEGEND

- Substations
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- Corridor Boundary 0.25-mile Buffer
- General Area of Proposed Citrus Substation
- Proposed Levy Nuclear Plant
- County Boundary



Sources

Substations: Progress Energy Florida, 2007
Future Land Use: Citrus County Planning Department, 2008
Aerials: Aerials Express, 2007
Florida County Boundaries: US Census Bureau, 2003
Roads: Florida Department of Transportation, 2007
Corridors & General Areas of Proposed Substations: Golder Associates Inc. & Progress Energy Florida, 2008
Railroads: Florida Geographic Data Library, 1992



Progress Energy Florida

**Levy Nuclear Plant
Units 1 and 2
Site Certification Application**

CCRE
Future Land Use
FIGURE 9-A7.3-5

Rev 0

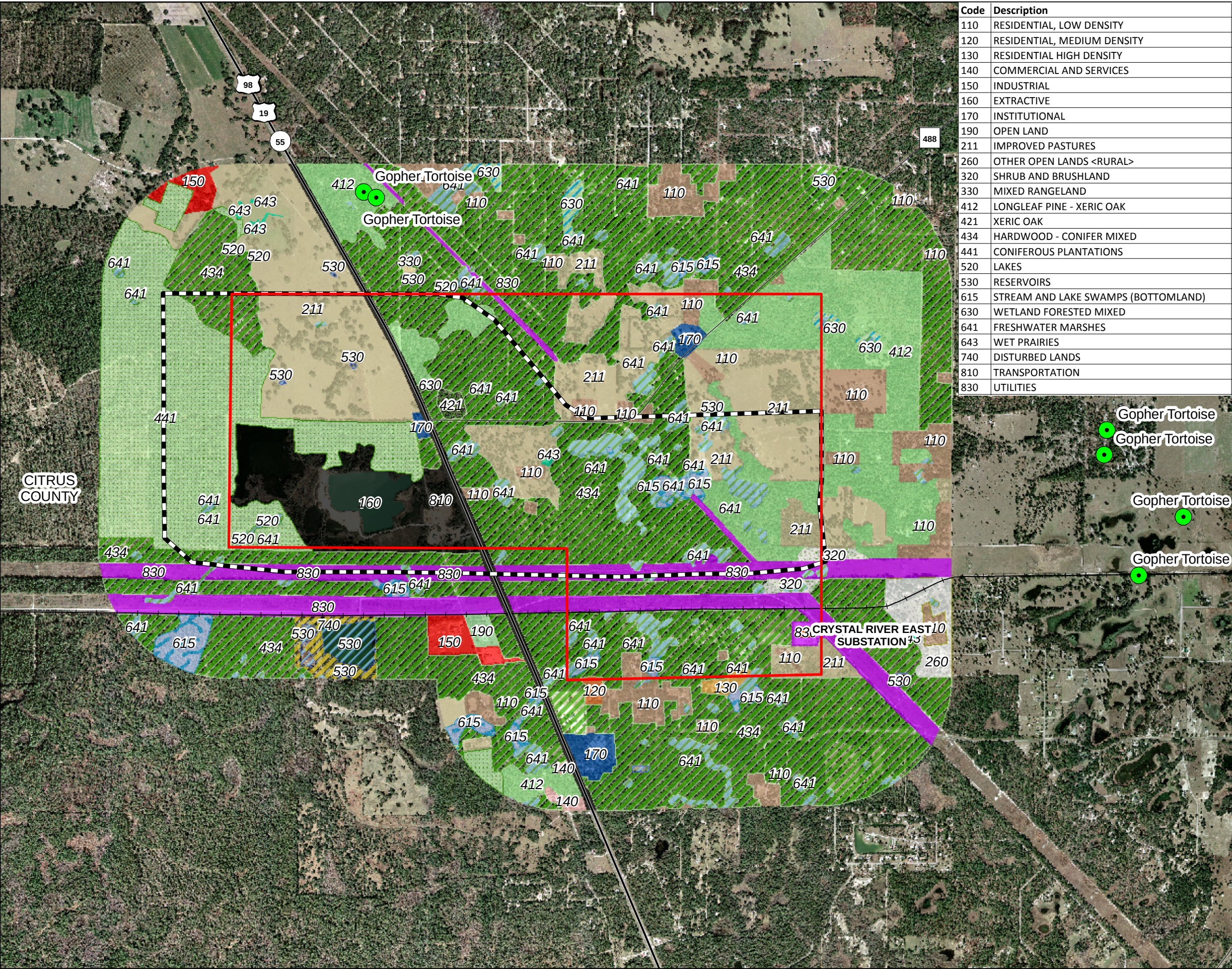
Land Use and Land Cover
FLUCCS Level 3

- 110 - Residential, Low Density
- 120 - Residential, Medium Density
- 130 - Residential, High Density
- 139 - High Density Under Construction
- 140 - Commercial
- 147 - Mixed Commercial Services
- 148 - Cemeteries
- 150 - Industrial
- 155 - Other Light Industrial
- 160 - Extractive
- 166 - Holding Pond
- 170 - Institutional
- 180 - Recreational
- 182 - Golf Courses
- 190 - Open Land
- 193 - Urban Land in Transition
- 210 - Cropland and Pastureland
- 211 - Improved Pastures
- 212 - Unimproved Pastures
- 214 - Row Crops
- 215 - Field Crops

- 221 - Citrus Groves
- 222 - Fruit Orchards
- 230 - Feeding Operations
- 240 - Nurseries and Vineyards
- 250 - Specialty Farmes
- 255
- 260 - Other Open Lands (cannot be determined)
- 310 - Herbaceous (Dry Prairie)
- 320 - Shrub and Brushland
- 321 - Palmetto Prairies
- 330 - Mixed Rangeland
- 410 - Upland Coniferous Forests
- 411 - Pine Flatwoods
- 412 - Longleaf Pine - Zeric Oak
- 413 - Sand Pine
- 421 - Xeric Oak
- 424 - Melaleuca
- 427 - Live Oak
- 434 - Hardwood - Conifer Mixed
- 440 - Tree Plantations
- 441 - Coniferous Plantations
- 510 - Streams and Waterways
- 520 - Lakes

- 530 - Reservoirs
- 534 - Reservoirs (less than 10 acres)
- 540 - Bays and Estuaries
- 572 - Gulf of Mexico
- 611 - Bay Swamps
- 615 - Stream and Lake Swamps (Bottomland)
- 617 - Mixed Wetland Hardwoods
- 621 - Cypress
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 640 - Vegetated Non-Forested Wetlands
- 641 - Freshwater Marshes
- 642 - Saltwater Marshes
- 643 - Wet Prairies
- 653 - Intermittent Ponds
- 740 - Disturbed Lands
- 810 - Transportation
- 814 - Roads and Highways
- 820 - Communications
- 830 - Utilities
- 832 - Electrical Power Transmission Lines
- 833 - Water Supply Plants

Sources
Florida Land Use, Cover & Forms Classification System: SWFWMD 2005, SJRWMD 2004



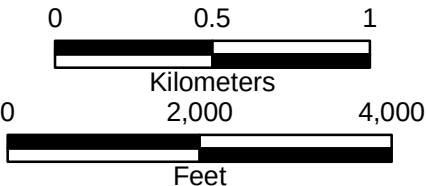
Code	Description
110	RESIDENTIAL, LOW DENSITY
120	RESIDENTIAL, MEDIUM DENSITY
130	RESIDENTIAL HIGH DENSITY
140	COMMERCIAL AND SERVICES
150	INDUSTRIAL
160	EXTRACTIVE
170	INSTITUTIONAL
190	OPEN LAND
211	IMPROVED PASTURES
260	OTHER OPEN LANDS <RURAL>
320	SHRUB AND BRUSHLAND
330	MIXED RANGELAND
412	LONGLEAF PINE - XERIC OAK
421	XERIC OAK
434	HARDWOOD - CONIFER MIXED
441	CONIFEROUS PLANTATIONS
520	LAKES
530	RESERVOIRS
615	STREAM AND LAKE SWAMPS (BOTTOMLAND)
630	WETLAND FORESTED MIXED
641	FRESHWATER MARSHES
643	WET PRAIRIES
740	DISTURBED LANDS
810	TRANSPORTATION
830	UTILITIES

LEGEND

- Substations
- Species Observed by Golder
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- County Boundary

Sources

Substations, Proposed Levy Nuclear Power Plant, and Existing Transmission: Progress Energy Florida, 2008
Florida County Boundaries: US Census Bureau, 2003
Roads: Florida Department of Transportation, 2008
Railroads: Florida Geographic Data Library, 1992
FNAI Observed Species: Florida Natural Areas Inventory, 2008
Municipalities: Florida Geographic Data Library with Golder updated based on Future Land Use maps, 2008
Florida Land Use, Cover & Forms Classification System: SWFWMD 2005, SJRWMD 2004
Aerials Imagery: Aerials Express, 2007
Corridor Boundary: Golder Associates Inc. & Progress Energy Florida, 2008



Progress Energy Florida
Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CCRE
Existing Land Use and Land Cover
FIGURE 9-A7.3-6