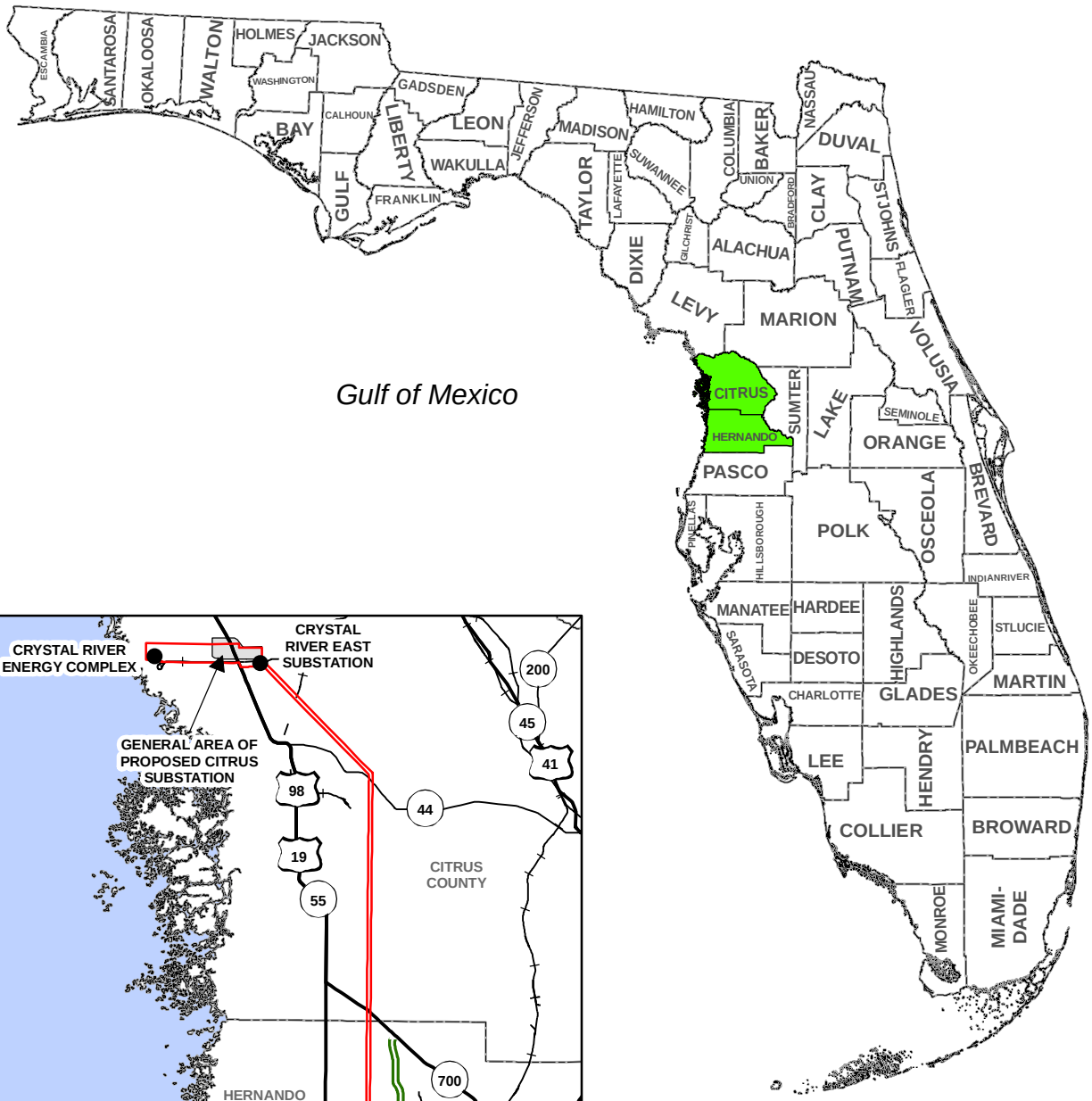


LEGEND

- Substations
- Corridor Boundary
- US Road
- State Road
- Railroad
- General Area of Proposed Citrus Substation
- Florida County Boundaries

N
W E
S

0 30 60
Kilometers

0 30 60
Miles

Sources

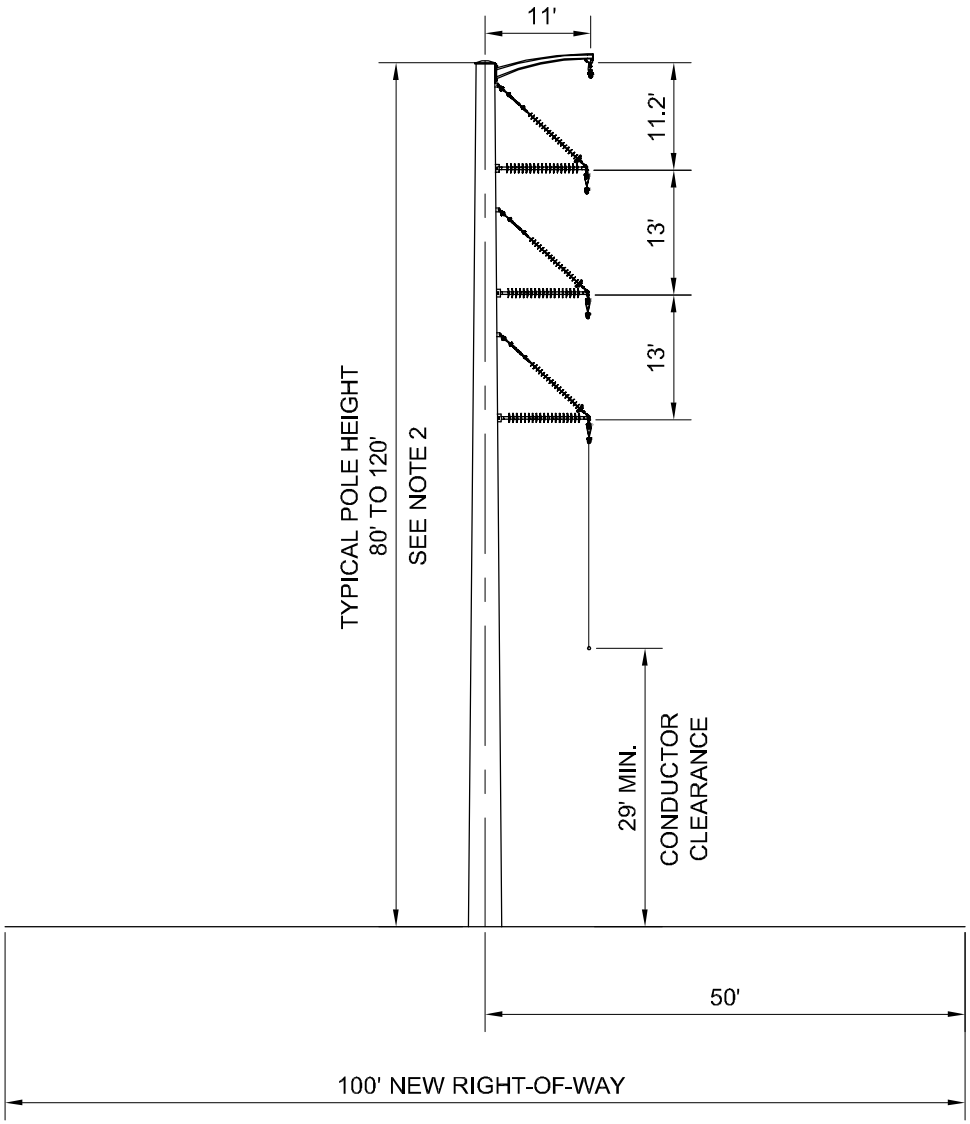
Corridors & General Area of Proposed Citrus Substation - Golder Associates Inc. & Progress Energy Florida, 2008
Substations - Progress Energy Florida, 2008
All Roads - Florida Department of Transportation, 2008
Railroads - Florida Department of Environmental Protection, 1992
Florida County Boundaries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

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor Location
FIGURE 9-A5.0-1

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'.

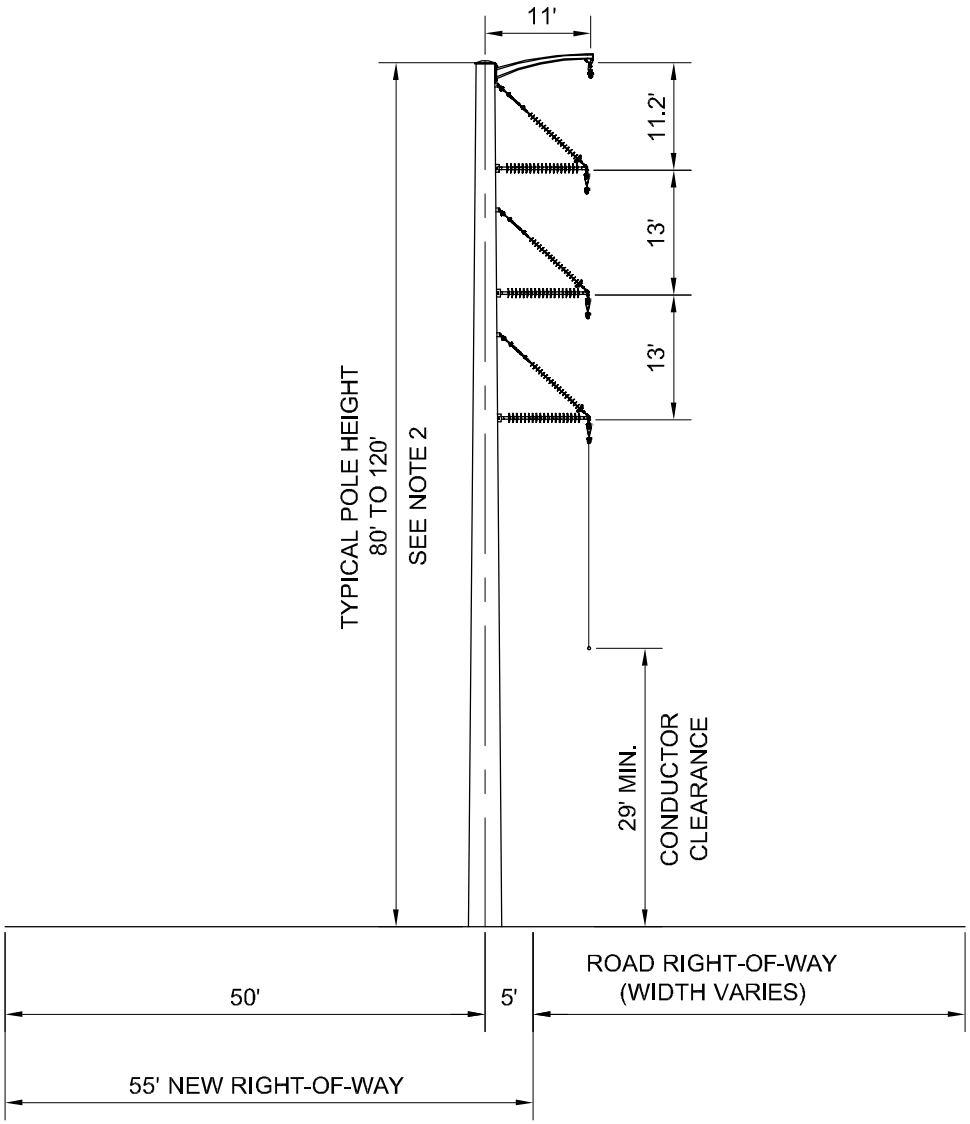
0 10 20
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Tangent
Monopole Structure
on New Right-of-Way
FIGURE 9-A5.2-1

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'.

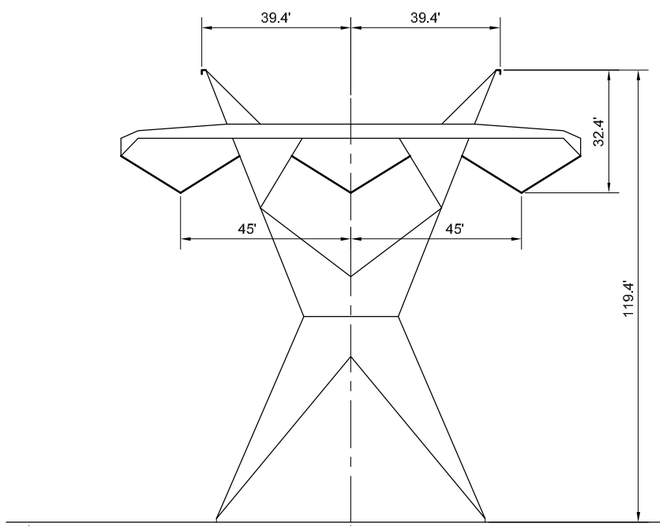
0 10 20
Feet

Progress Energy Florida

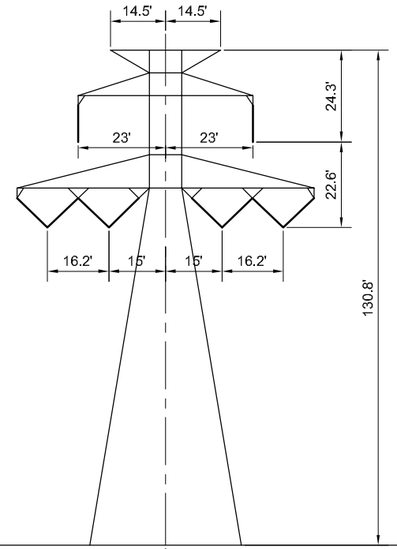
Levy Nuclear Plant
Units 1 and 2
Site Certification Application

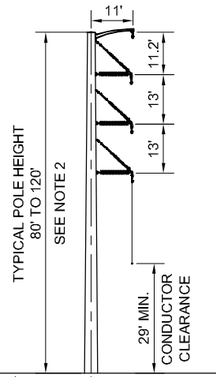
Typical Tangent Monopole Structure
Parallel to Road
on New Right-of-Way
FIGURE 9-A5.2-2 Rev 0

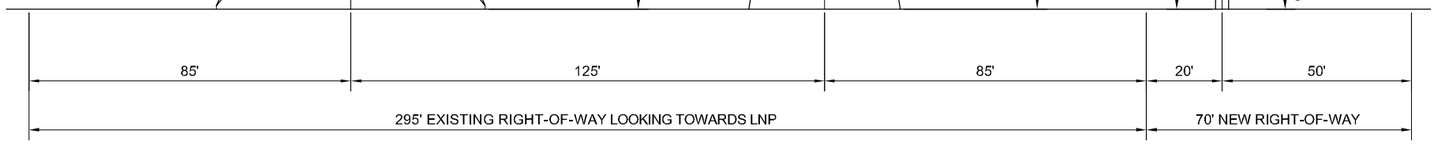
EXISTING CRYSTAL RIVER - LAKE TARPON
500kV LINE



EXISTING CRYSTAL RIVER - CURLEW
230kV LINE







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

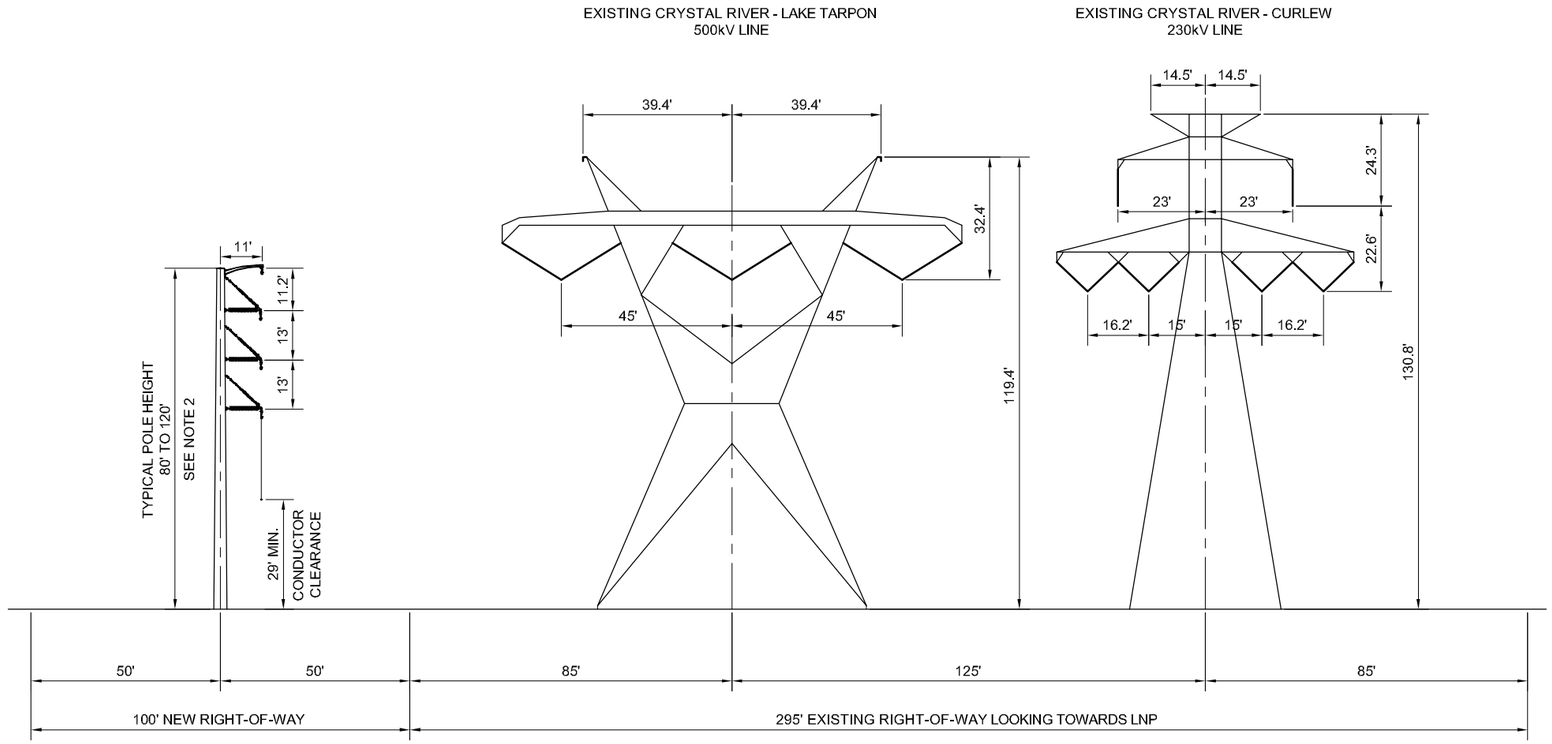
0 20 40
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Tangent Monopole Structure Parallel (Right) to Existing PEF 230/500kV Right-of-Way
FIGURE 9-A5.2-3

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'.

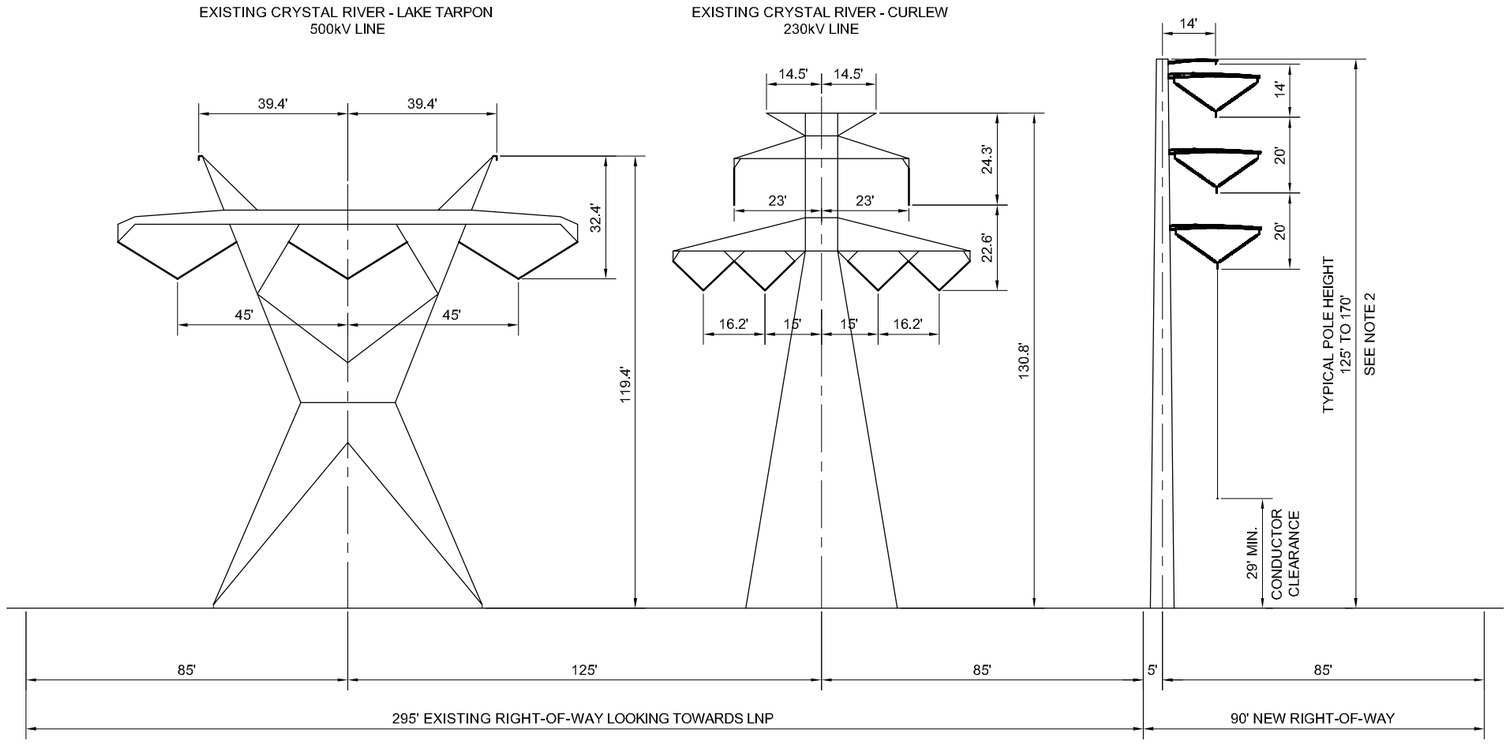
0 20 40
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Tangent Monopole Structure Parallel (Left) to Existing PEF 230/500kV Right-of-Way
FIGURE 9-A5.2-4

Rev 0



NOTE:

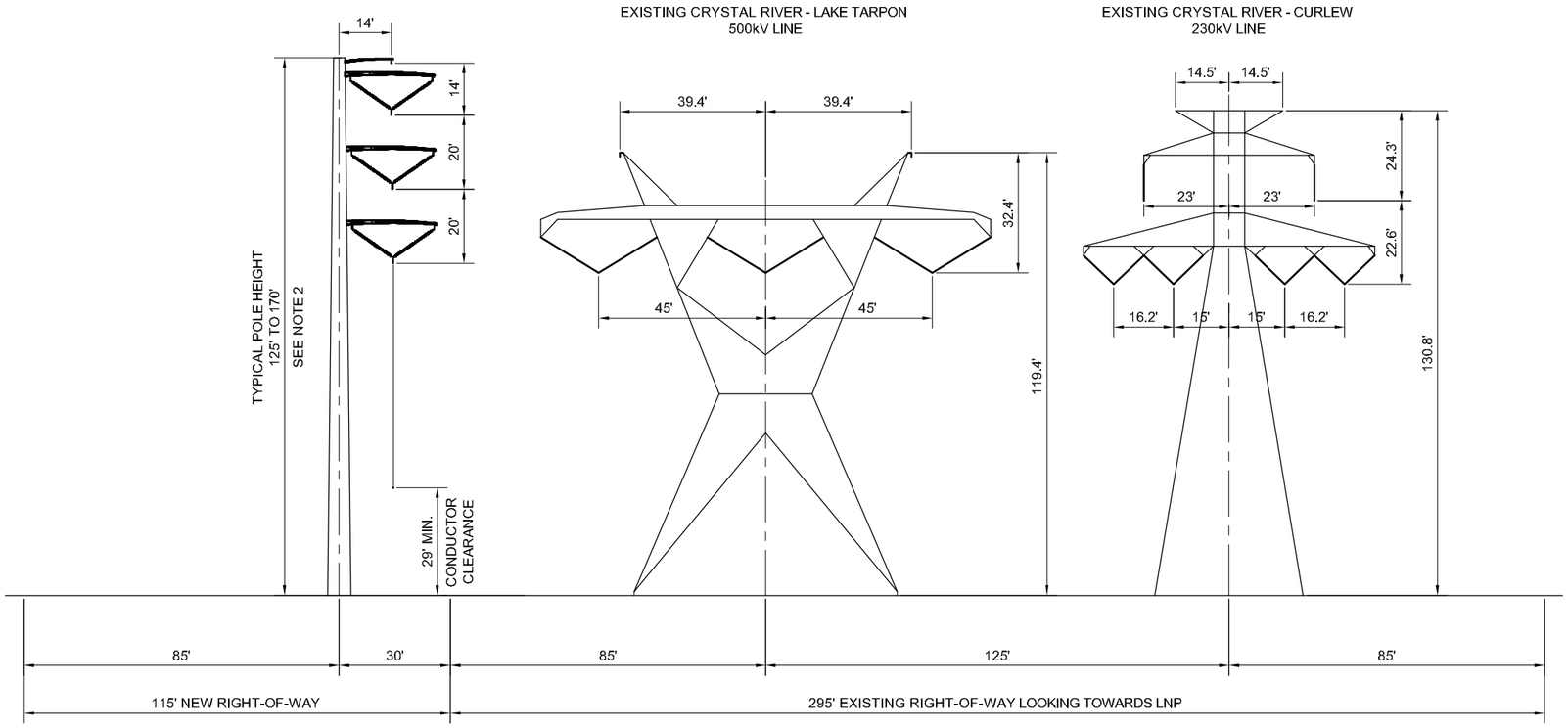
1. TYPICAL PIER FOUNDATION TO BE 8' TO 11' IN DIAMETER.
2. PROPOSED 230kV STRUCTURES SPOTTED AT THE LOCATION OF EXISTING TOWERS AT A TYPICAL SPAN OF APPROXIMATELY 1300'.

0 20 40
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Tangent V-String Monopole Structure Parallel (Right) to Existing PEF 230/500kV Right-of-Way
FIGURE 9-A5.2-5
Rev 0



NOTE:

1. TYPICAL PIER FOUNDATION TO BE 8' TO 11' IN DIAMETER.
2. PROPOSED 230kV STRUCTURES SPOTTED AT THE LOCATION OF EXISTING TOWERS AT A TYPICAL SPAN OF APPROXIMATELY 1300'.

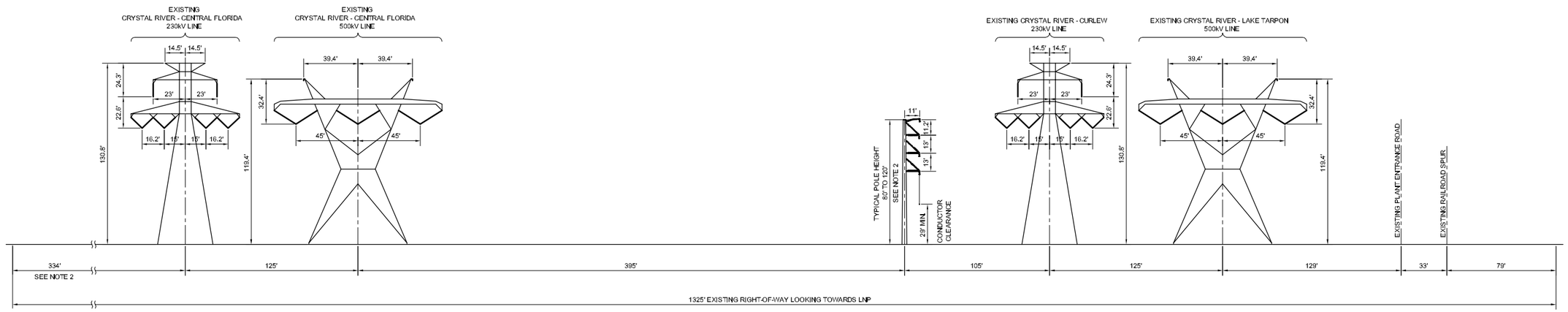
0 20 40
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Tangent V-String Monopole Structure Parallel (Left) to Existing PEF 230/500kV Right-of-Way
FIGURE 9-A5.2-6

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'.
3. PROVISIONS FOR FUTURE TRANSMISSION LINES IN EXISTING ROW.

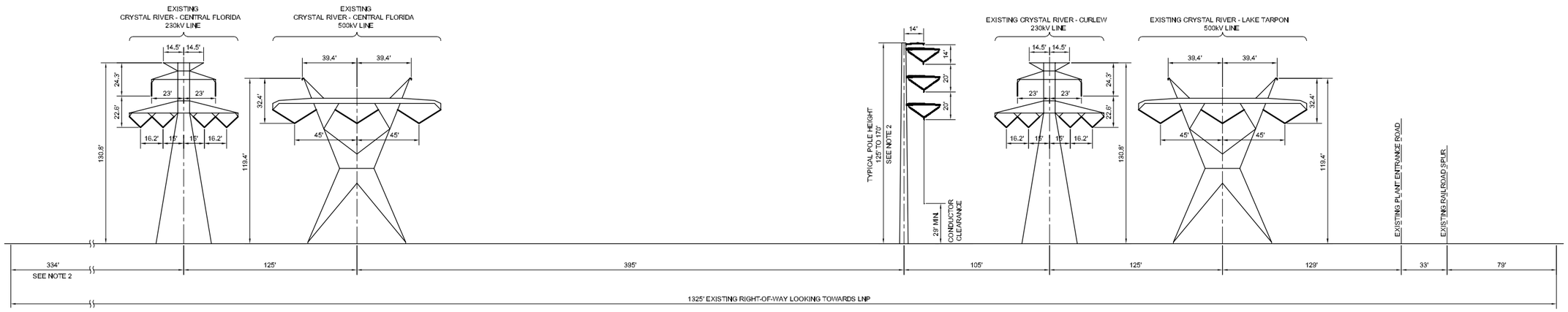
0 40 80
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Tangent Monopole Structure on Existing PEF 230/500kV Right-of-Way
FIGURE 9-A5.2-7

Rev 0



NOTE:

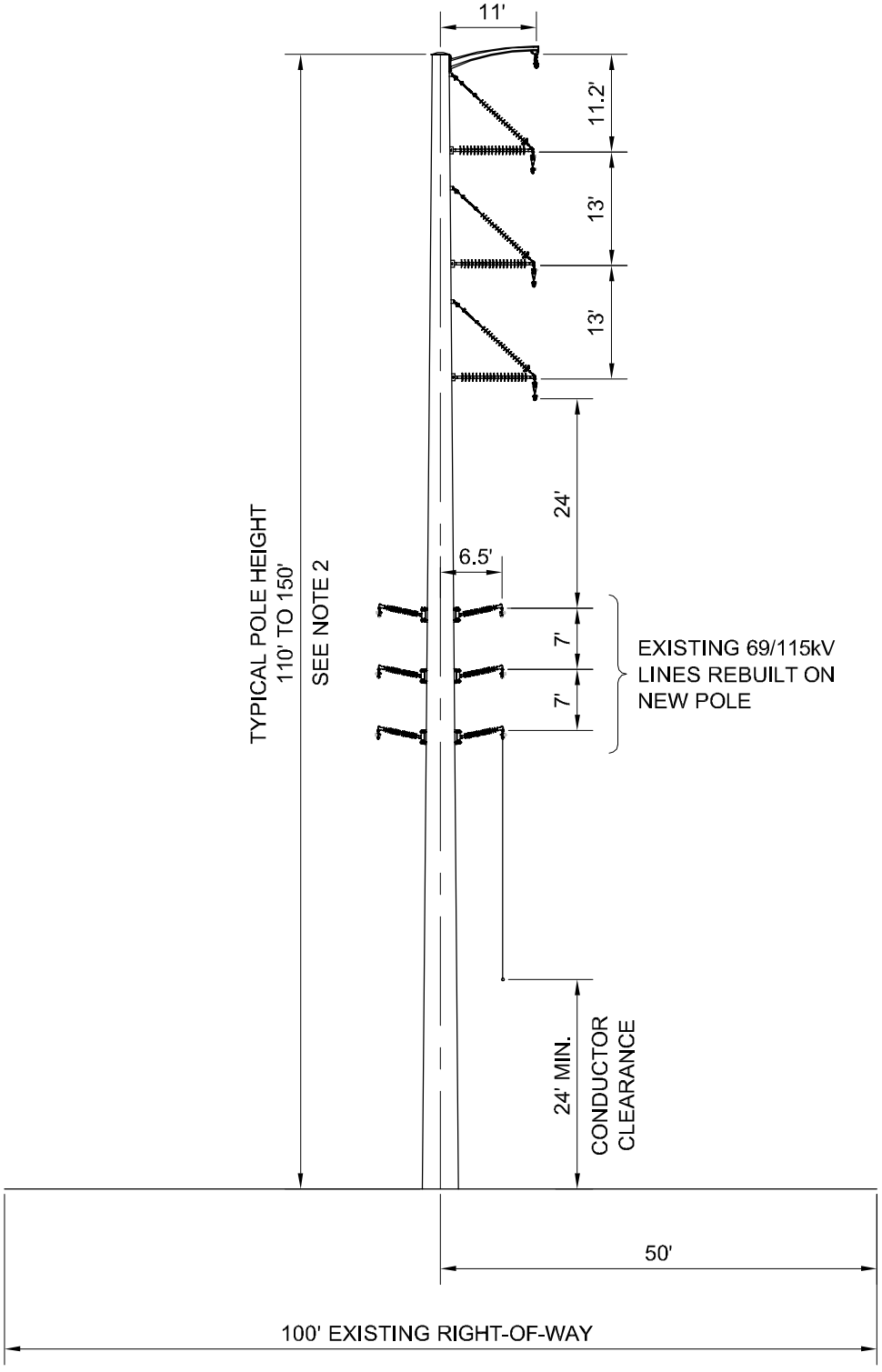
1. TYPICAL PIER FOUNDATION TO BE 8' TO 11' IN DIAMETER.
2. PROPOSED 230kV STRUCTURES SPOTTED AT A TYPICAL SPAN OF APPROXIMATELY 1300'.
3. PROVISIONS FUTURE TRANSMISSION LINES IN EXISTING ROW.

0 40 80
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Tangent V-String Monopole Structure on Existing PEF 230/500kV Right-of-Way
FIGURE 9-A5.2-8
Rev 0



NOTE:

1. TYPICAL PIER FOUNDATION TO BE 6' TO 10' IN DIAMETER.
2. PROPOSED 230kV STRUCTURES SPOTTED AT A TYPICAL SPAN OF APPROXIMATELY 600'.

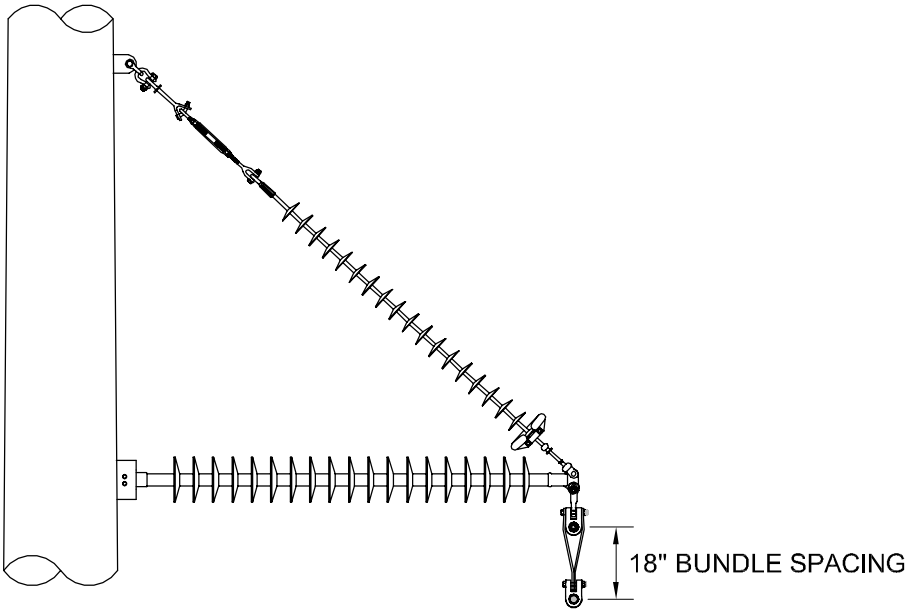
0 10 20
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Tangent
Monopole Structure
on Existing PEF 100' Right-of-Way

FIGURE 9-A5.2-9 Rev 0



NOTE:

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

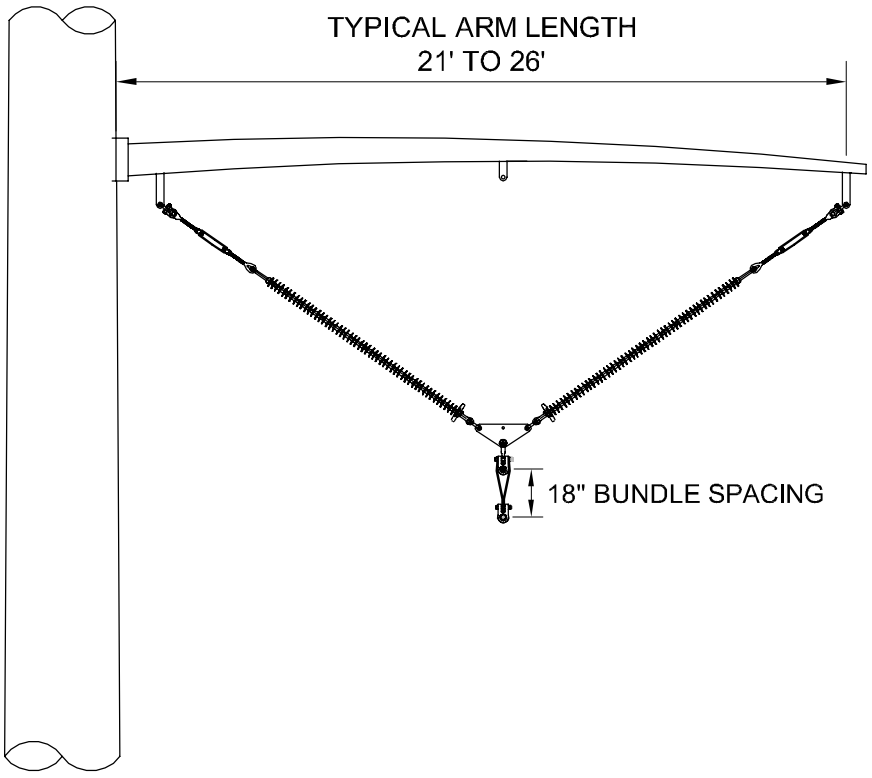
0 2 4
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical 230kV Tangent
Braced Post
Insulator Assembly
FIGURE 9-A5.2-10

Rev 0



NOTE:

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

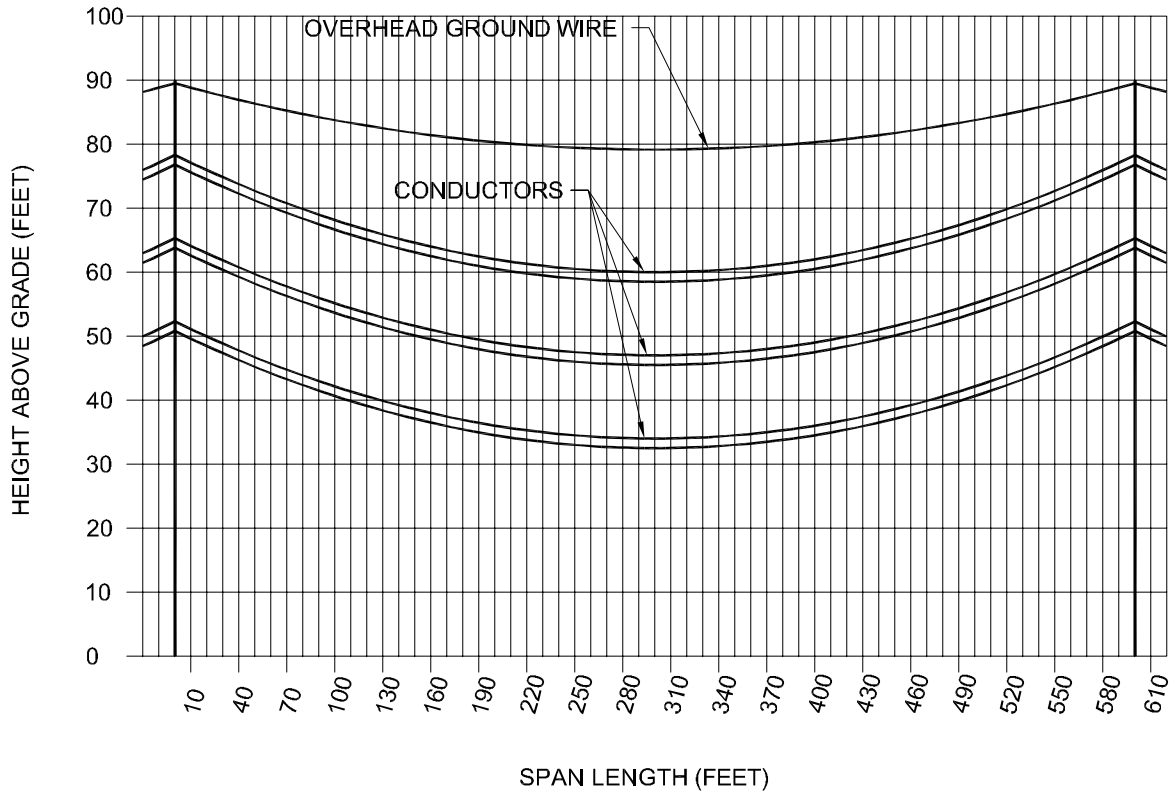
0 3 6
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical 230kV Tangent
V-String
Insulator Assembly
FIGURE 9-A5.2-11

Rev 0



0 15 30 Vertical Feet

0 60 120 Horizontal Feet

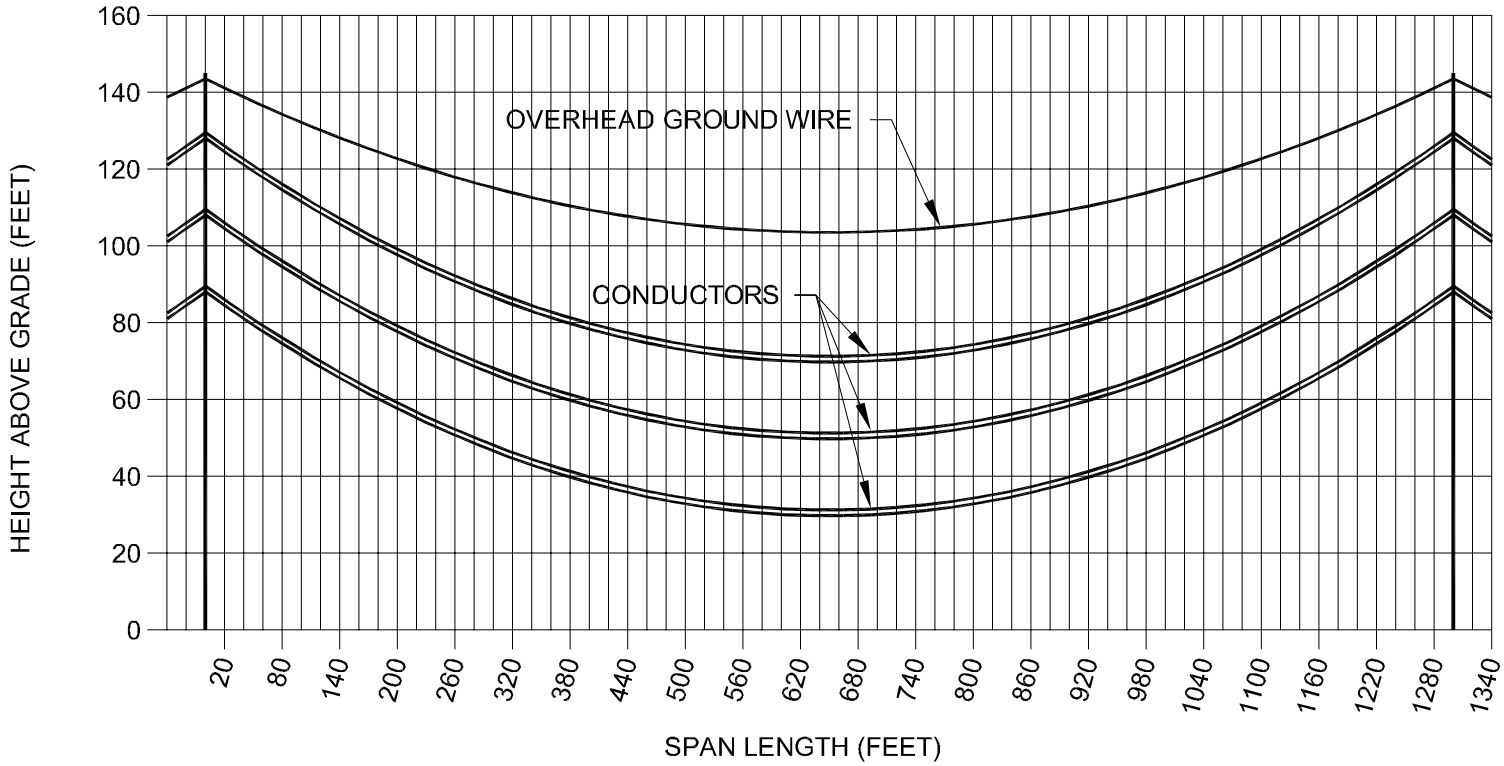
NOTES:

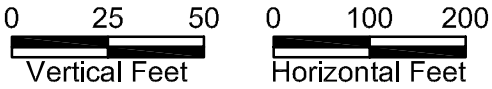
1. THIS PROFILE ASSUMES A SPAN LENGTH OF 600' AND POLE HEIGHTS 90' ABOVE GRADE. MIDSPAN CLEARANCES ALONG THE LINE WILL VARY DEPENDING ON POLE HEIGHTS AND SPAN LENGTHS BETWEEN STRUCTURES.
2. CONDUCTORS SHOWN AT MAXIMUM CONDUCTOR DESIGN TEMPERATURE OF 392° F (200° C).
3. OVERHEAD GROUND WIRE SHOWN AT MAXIMUM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

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Conductor Profile
for Typical Tangent Braced Post
Monopole Structure
FIGURE 9-A5.2-12 Rev 0





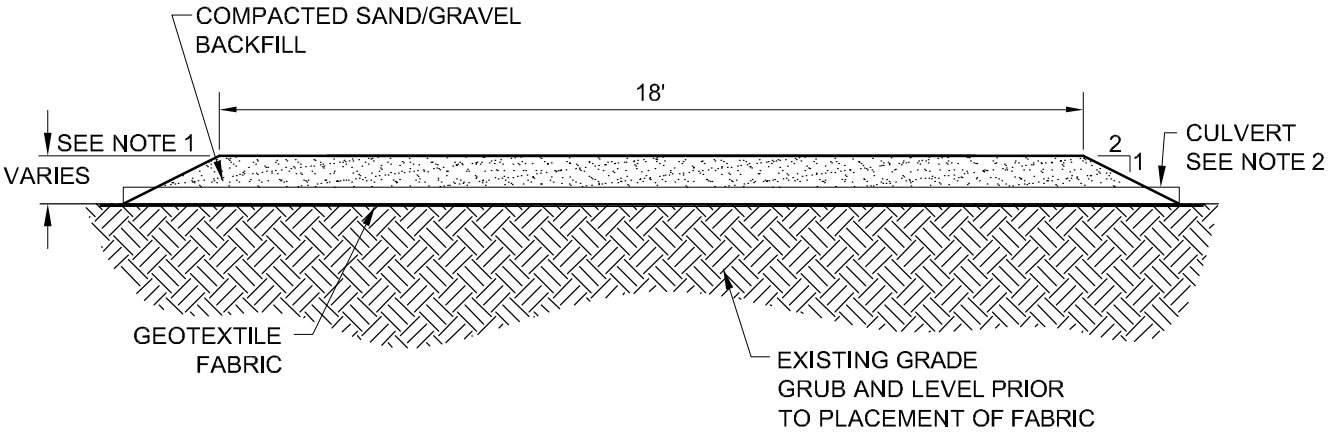
NOTES:

1. THIS PROFILE ASSUMES A SPAN LENGTH OF 1300' AND POLE HEIGHTS 145' 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).

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

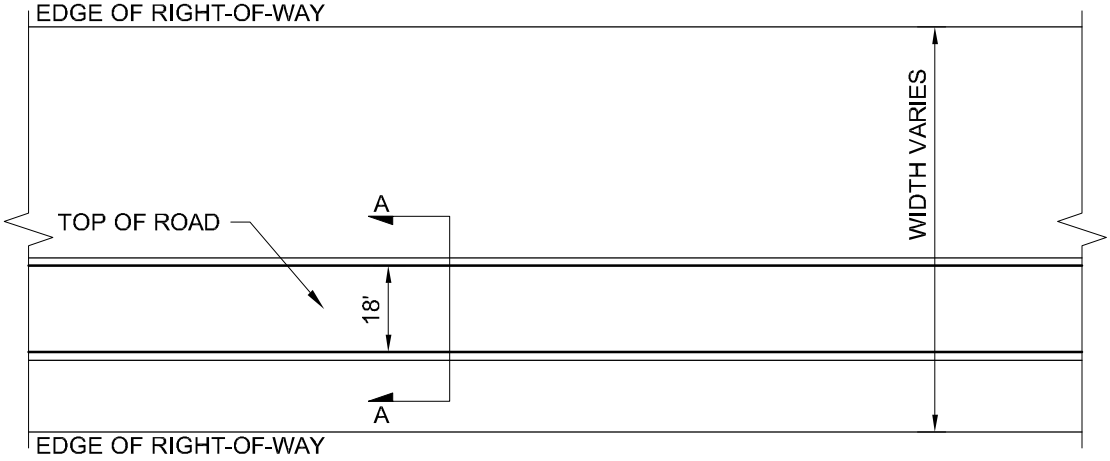
Conductor Profile
for Typical Tangent V-String
Monopole Structure
FIGURE 9-A5.2-13 Rev 0



SECTION A-A

0 2 4 Horizontal Feet

0 10 20 Vertical Feet



PLAN VIEW

0 20 40 Feet

NOTES:

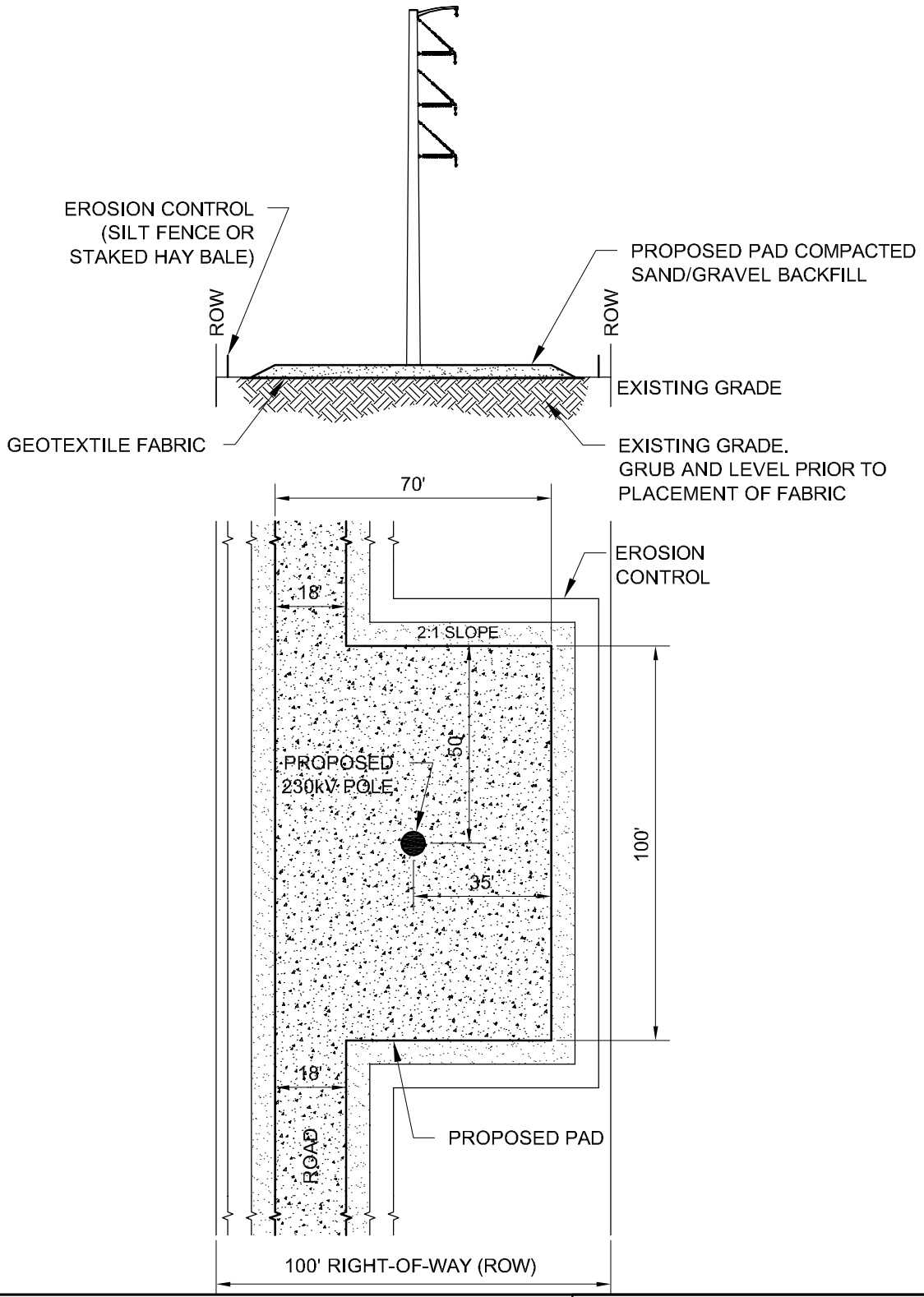
1. TOP OF ROAD & PAD SET UP TO 2 FEET ABOVE SEASONAL HIGH WATER LINE.
2. ADD CULVERTS AS REQUIRED TO MAINTAIN FLOW. A MINIMUM OF 2 FEET OF COVER IS REQUIRED OVER CULVERTS.

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Access Road

FIGURE 9-A5.2-14 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.

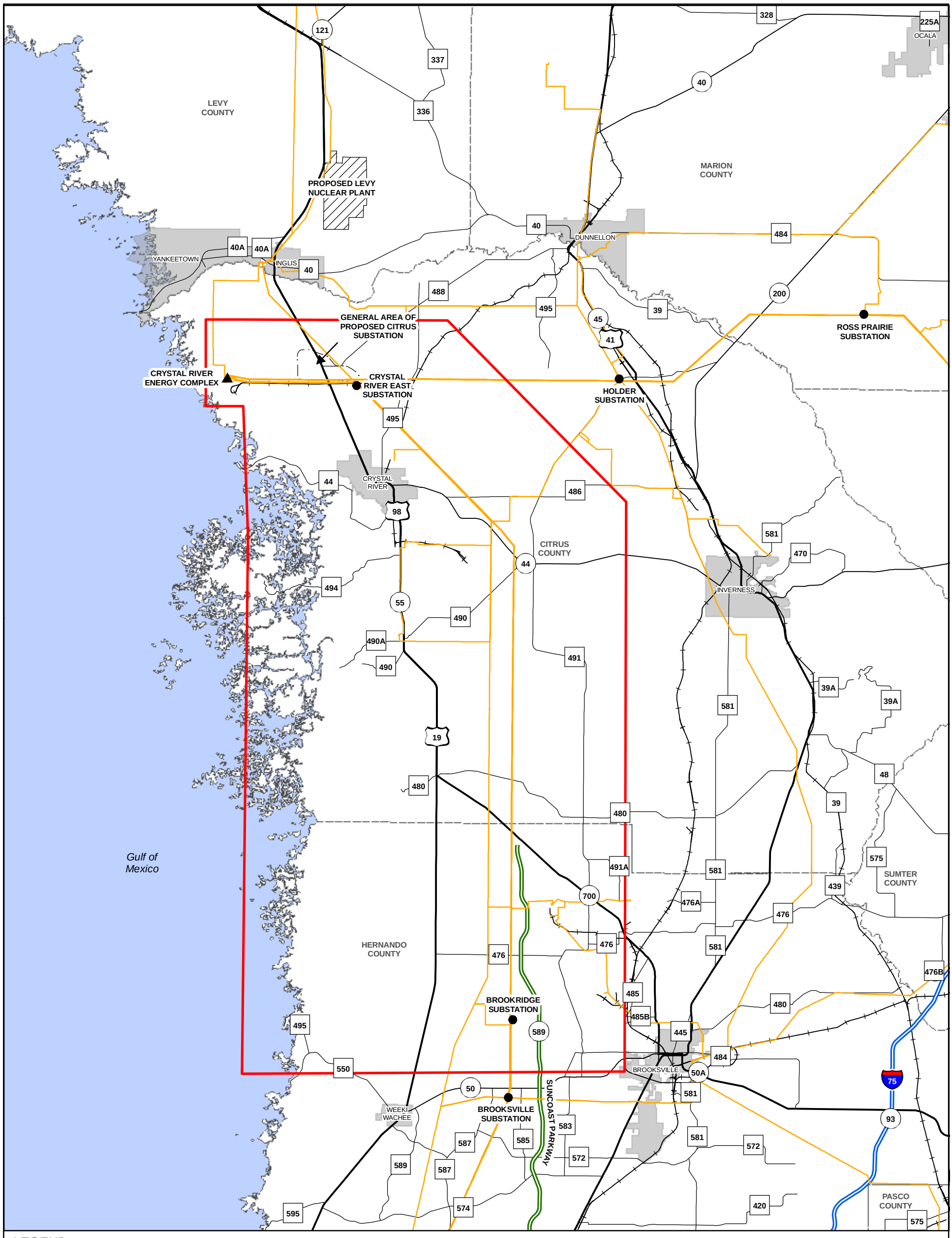
0 20 40
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

Typical Access Road and Structure Pad

FIGURE 9-A5.2-15 Rev 0



LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- StudyArea
- General Areas 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

Note

Please note that the municipal boundaries are approximate.

N
W E
S

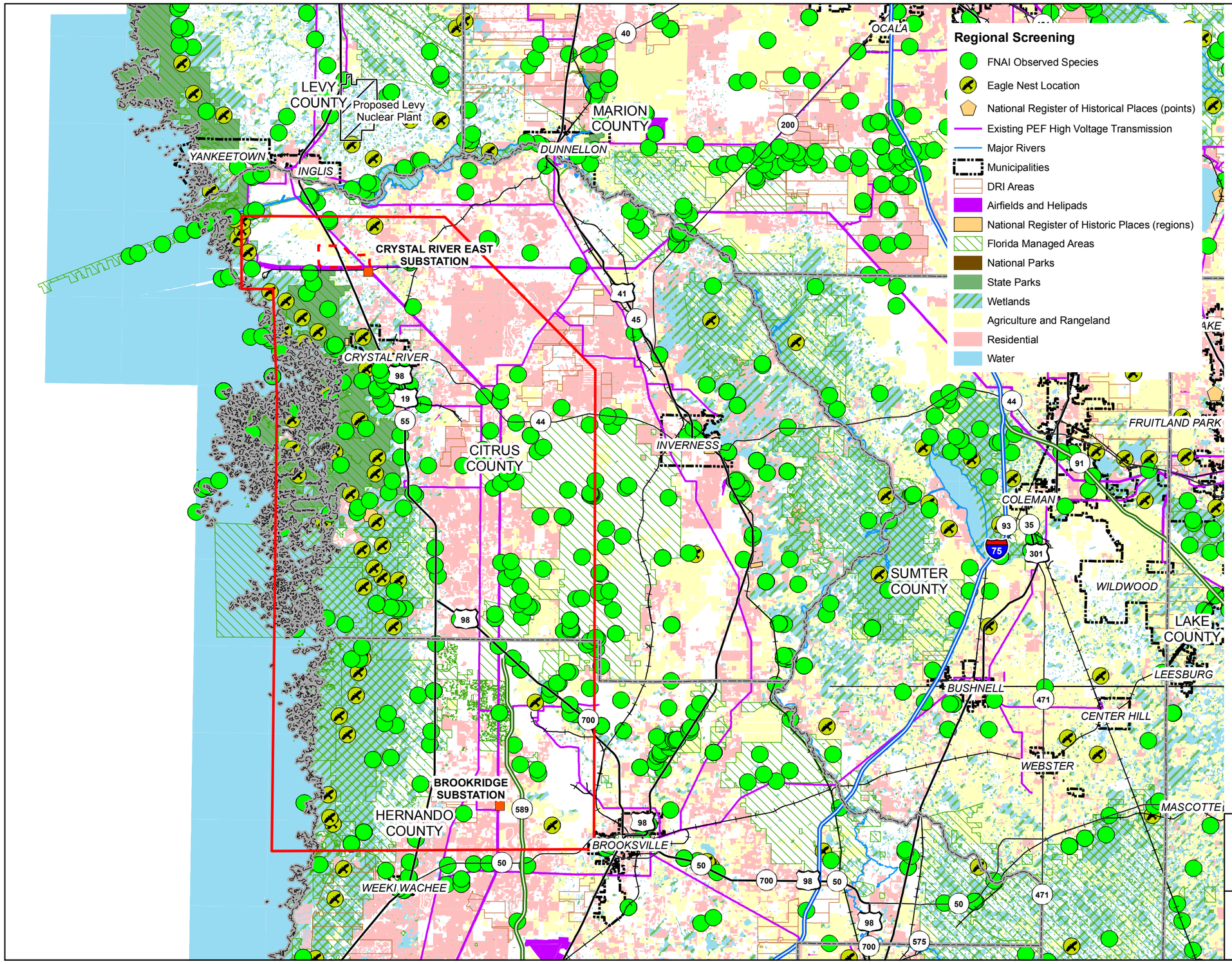
0 10
Kilometers

0 5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Study Area
FIGURE 9-A5.3-1
Rev 0



Regional Screening

- FNAI Observed Species
- Eagle Nest Location
- National Register of Historical Places (points)
- Existing PEF High Voltage Transmission
- Major Rivers
- Municipalities
- DRI Areas
- Airfields and Helipads
- National Register of Historic Places (regions)
- Florida Managed Areas
- National Parks
- State Parks
- Wetlands
- Agriculture and Rangeland
- Residential
- Water

N
W E
S

LEGEND

- Substations
- Interstate
- Toll Roads
- US Roads
- State Roads
- Railroad
- General Area of Proposed Citrus Substations
- Proposed Levy Nuclear Plant
- County Boundary

Note

1. Please note that municipality boundaries are approximate

Sources

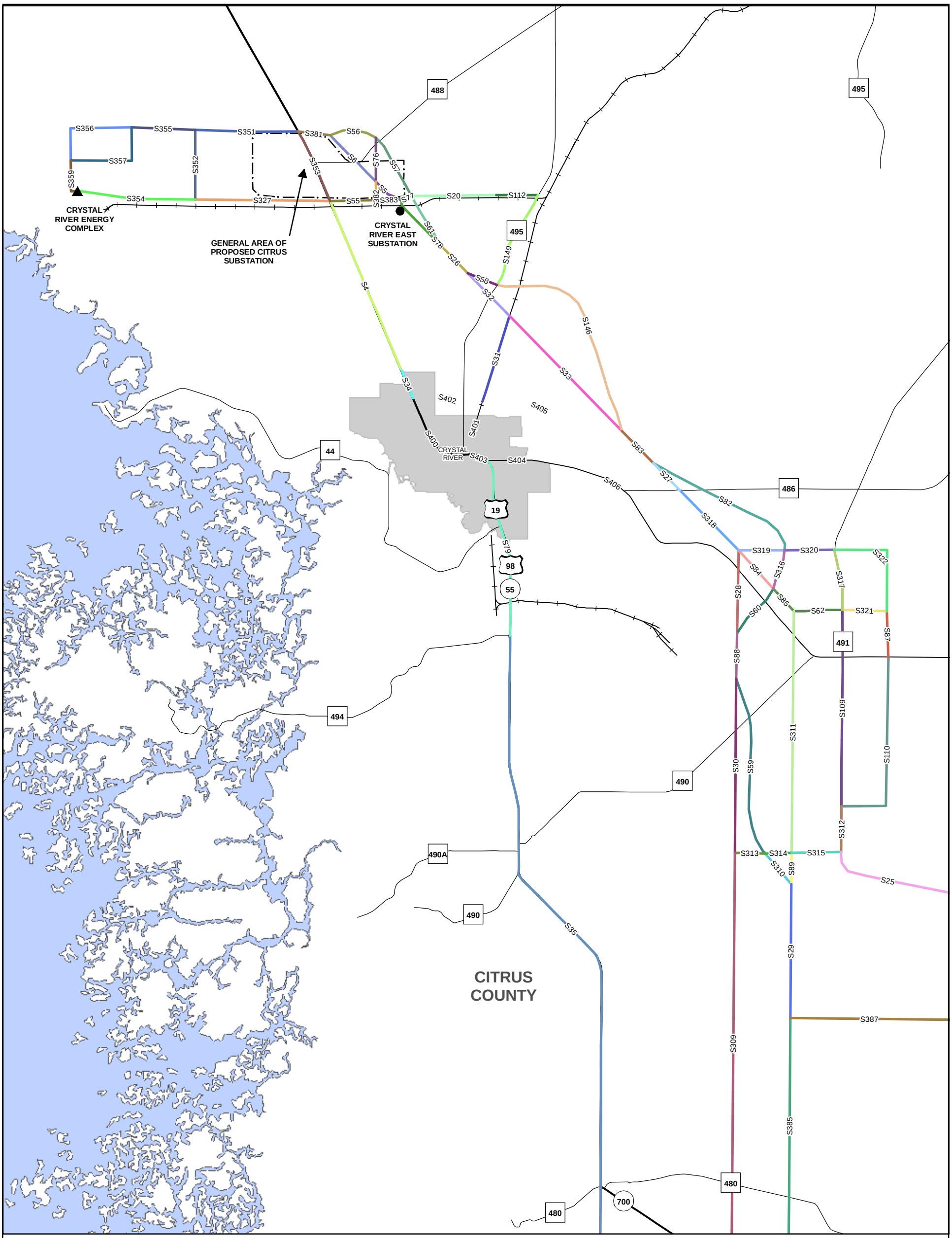
Substations, Proposed Levy Nuclear Power Plant, and Existing Transmission: Progress Energy Florida, 2008
Florida County Boundaries: US Census Bureau, 2003
Roads: Florida Department of Transportation, 2008
Study Area & General Areas of Proposed Substations: Golder Associates Inc. & Progress Energy Florida, 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

0 4 8
Kilometers
0 4 8
Miles

Progress Energy Florida

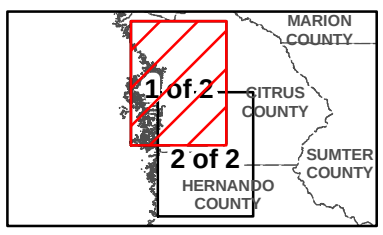
Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Regional Screening
FIGURE 9-A5.3-2
Rev 0



LEGEND

- Plant
- Substation
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries



0 5
Kilometers

0 2
Miles

N
W E
S

Sources

Candidate Corridor Segments & General Area of Proposed Citrus Substation - Golder Associates Inc. & Progress Energy Florida, 2008
All Roads - Florida Department of Transportation, 2008
Municipalities - University of Florida Geoplan Center, 2005 with Golder update, 2008
Railroads - Florida Department of Environmental Protection, 1992
Florida County Boundaries - US Census Bureau, 2003

Note

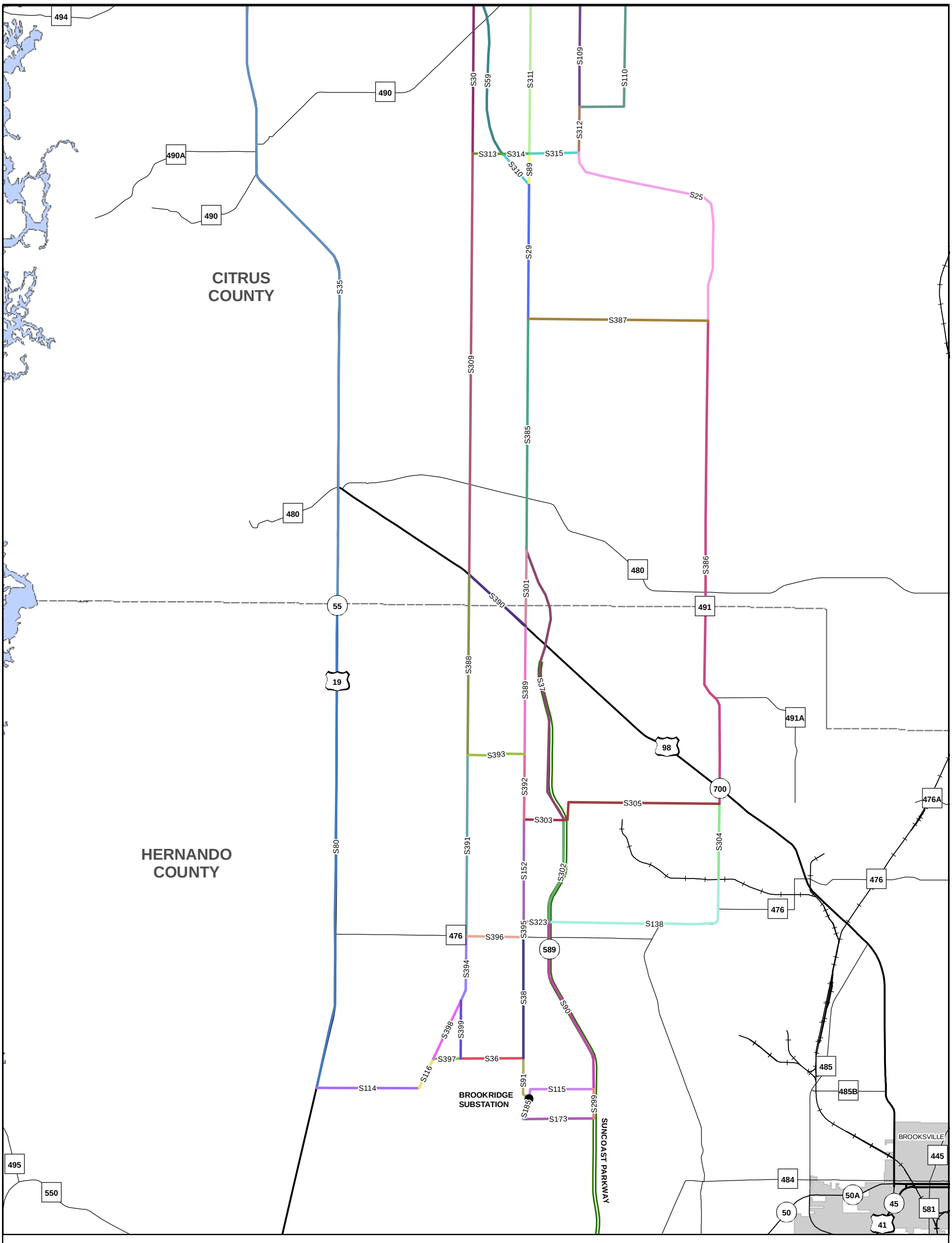
Please note that the municipal boundaries are approximate.

Candidate corridor segments represent approximate centerlines of candidate corridors of up to a mile wide.

Progress Energy Florida

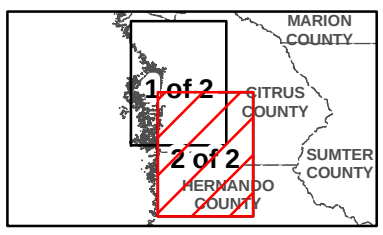
Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Candidate Corridor Segments
FIGURE 9-A5.3-3
1 of 2
Rev 0



LEGEND

- Plant
- Substation
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries



0 5
Kilometers
0 2
Miles

N
W E
S

Sources

Candidate Corridor Segments & General Area of Proposed Citrus Substation - Golder Associates Inc. & Progress Energy Florida, 2008
All Roads - Florida Department of Transportation, 2008
Municipalities - University of Florida Geoplan Center, 2005 with Golder update, 2008
Railroads - Florida Department of Environmental Protection, 1992
Florida County Boundaries - US Census Bureau, 2003

Note

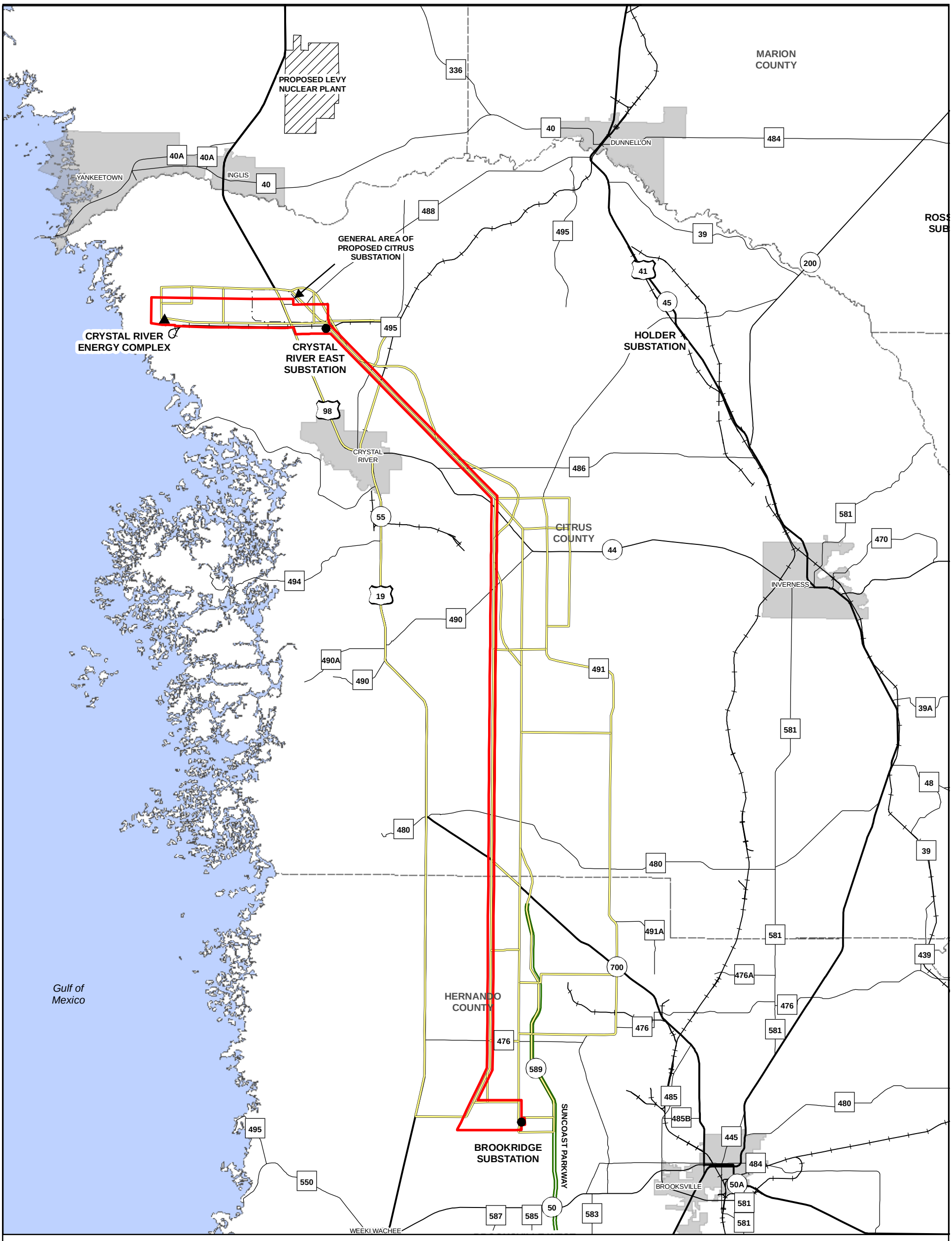
Please note that the municipal boundaries are approximate.

Candidate corridor segments represent approximate centerlines of candidate corridors of up to a mile wide.

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Candidate Corridor Segments
FIGURE 9-A5.3-3
2 of 2
Rev 0



LEGEND

- Plant
- Substation
- Candidate Corridors Approximate Centerline
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Proposed Levy Nuclear Plant
- Municipalities
- Florida County Boundaries

Sources

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

Note

Please note that the municipal boundaries are approximate.

N
W E
S

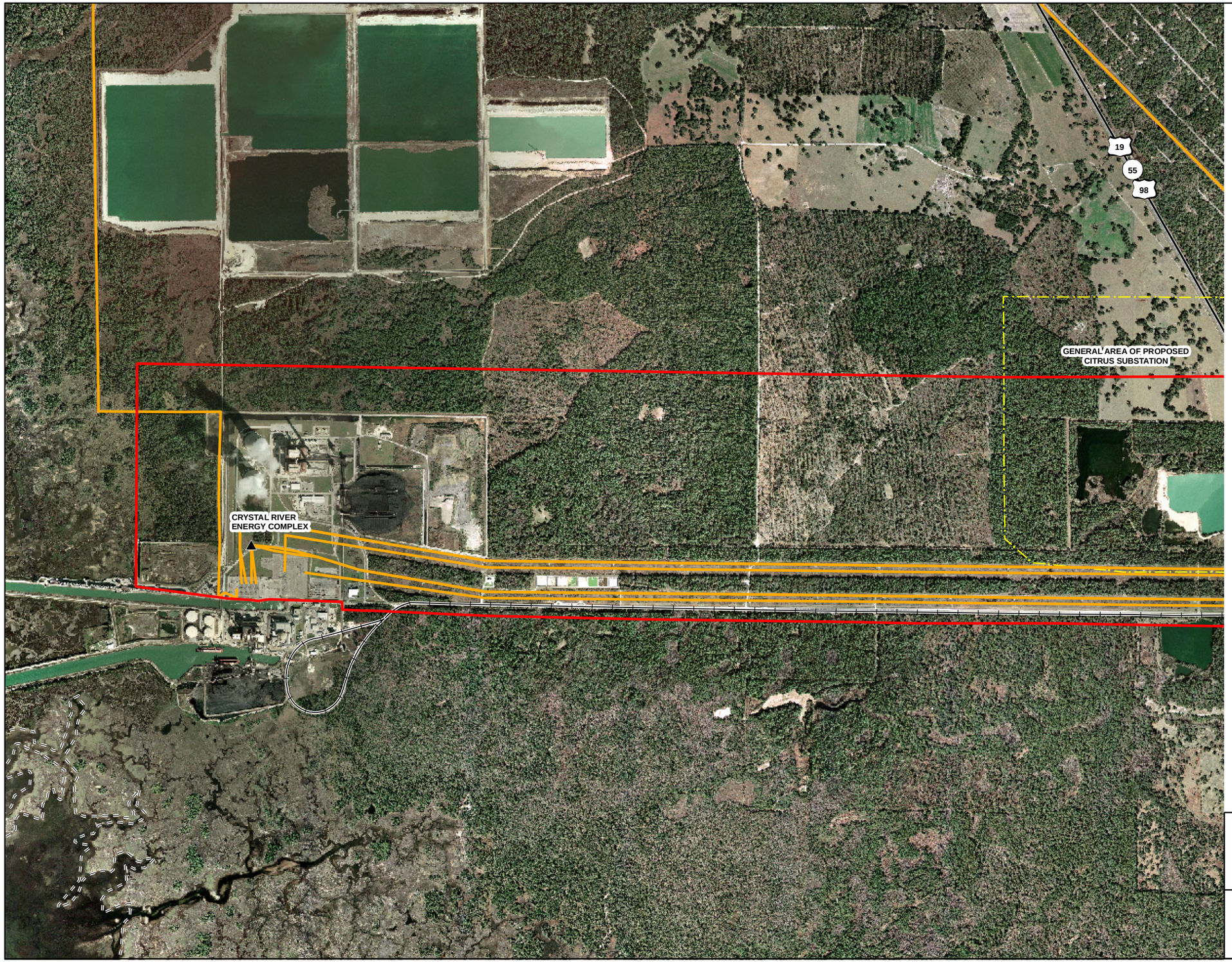
0 10
Kilometers

0 5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor & Candidate Corridors
FIGURE 9-A5.3-4
Rev 0



N
W E
S

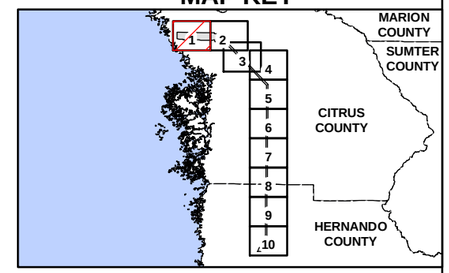
LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

Note

Please note that the municipal boundaries are approximate.

MAP KEY



Sources

Substations & Existing Progress Energy Florida
Transmission Lines - Progress Energy Florida, 2008
Corridors & General Area of Proposed Citrus Substation - Golder Associates Inc. & Progress Energy Florida, 2008
Florida County Boundaries - US Census Bureau, 2003
All Roads - Florida Department of Transportation, 2008
Municipalities - University of Florida Geoplan Center, 2005 with Golder update, 2008
Railroads - Florida Department of Environmental Protection, 1992
Aerial - 2007 Aerials Express

0 0.6 1.2
Kilometers

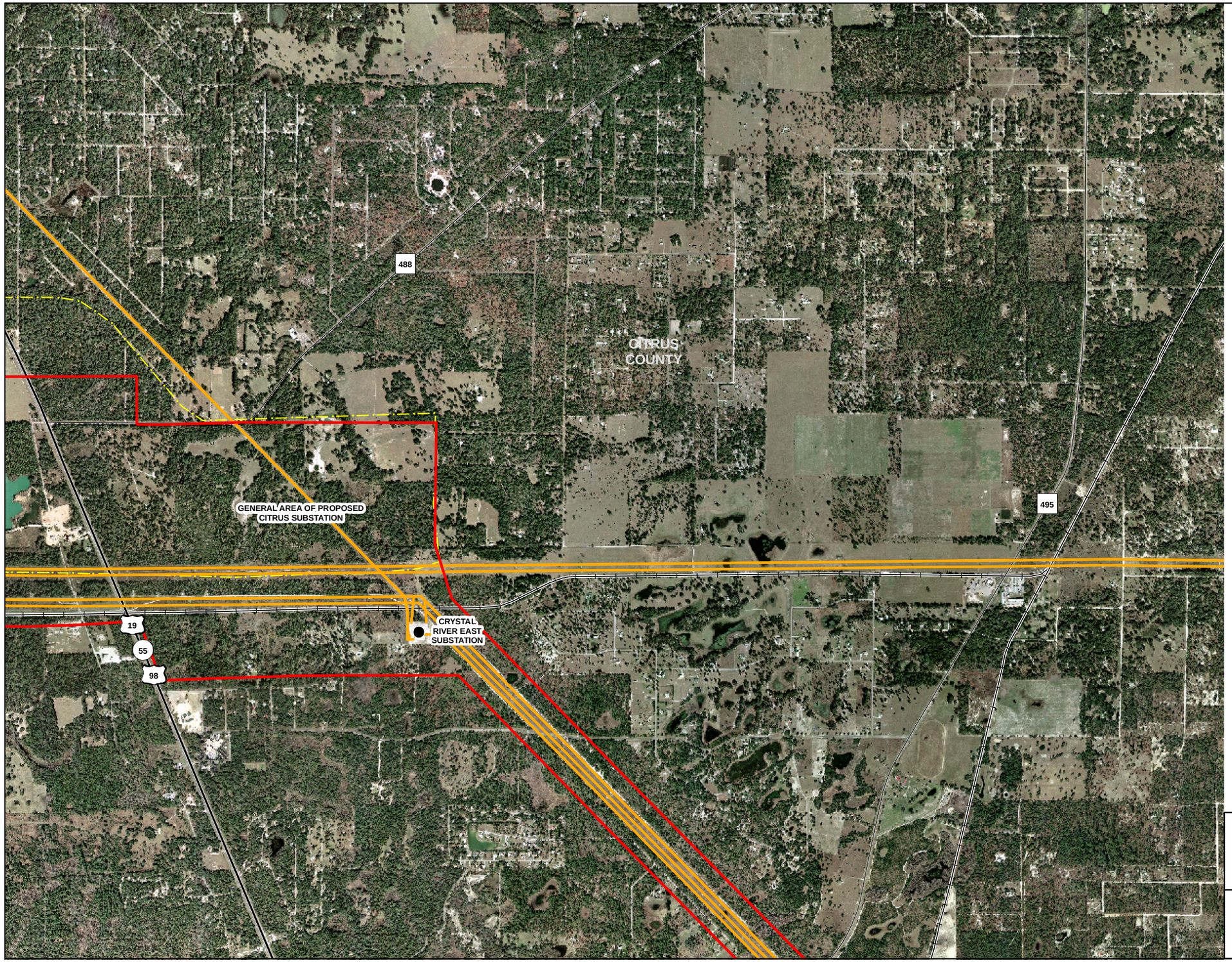
0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5

Rev 0



N
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S

LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

Note

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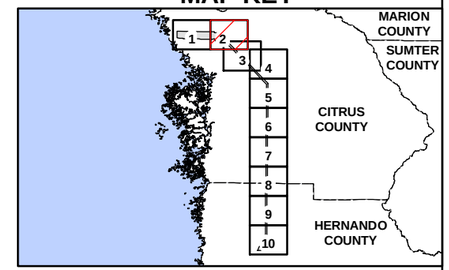

Sources

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Railroads - Florida Department of Environmental Protection, 1992
Aerial - 2007 Aerials Express

0 0.6 1.2
Kilometers

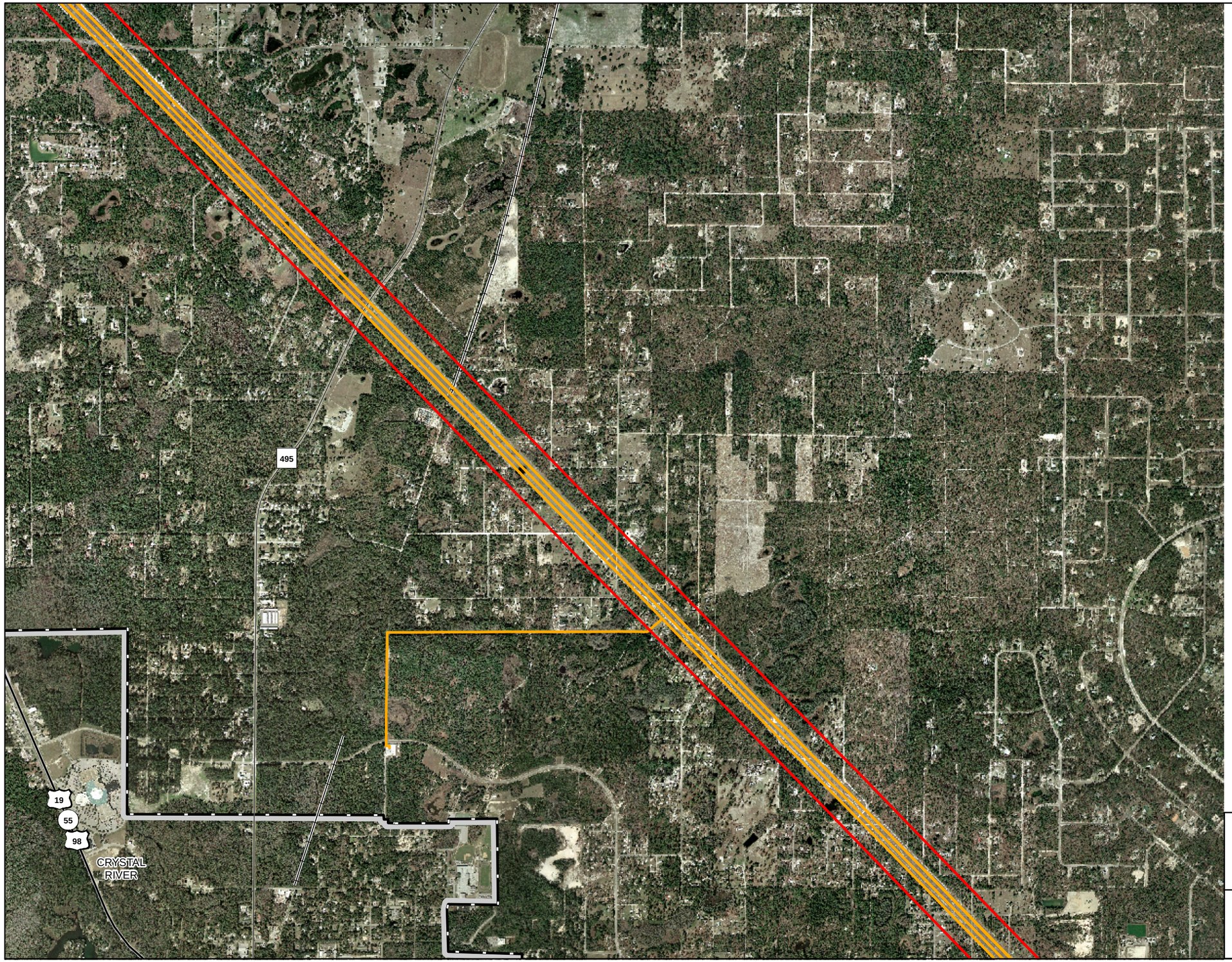
0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5

Rev 0



N
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S

LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

Note

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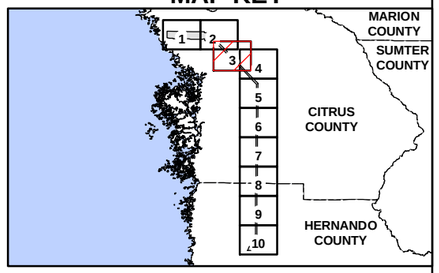

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0 0.6 1.2
Kilometers

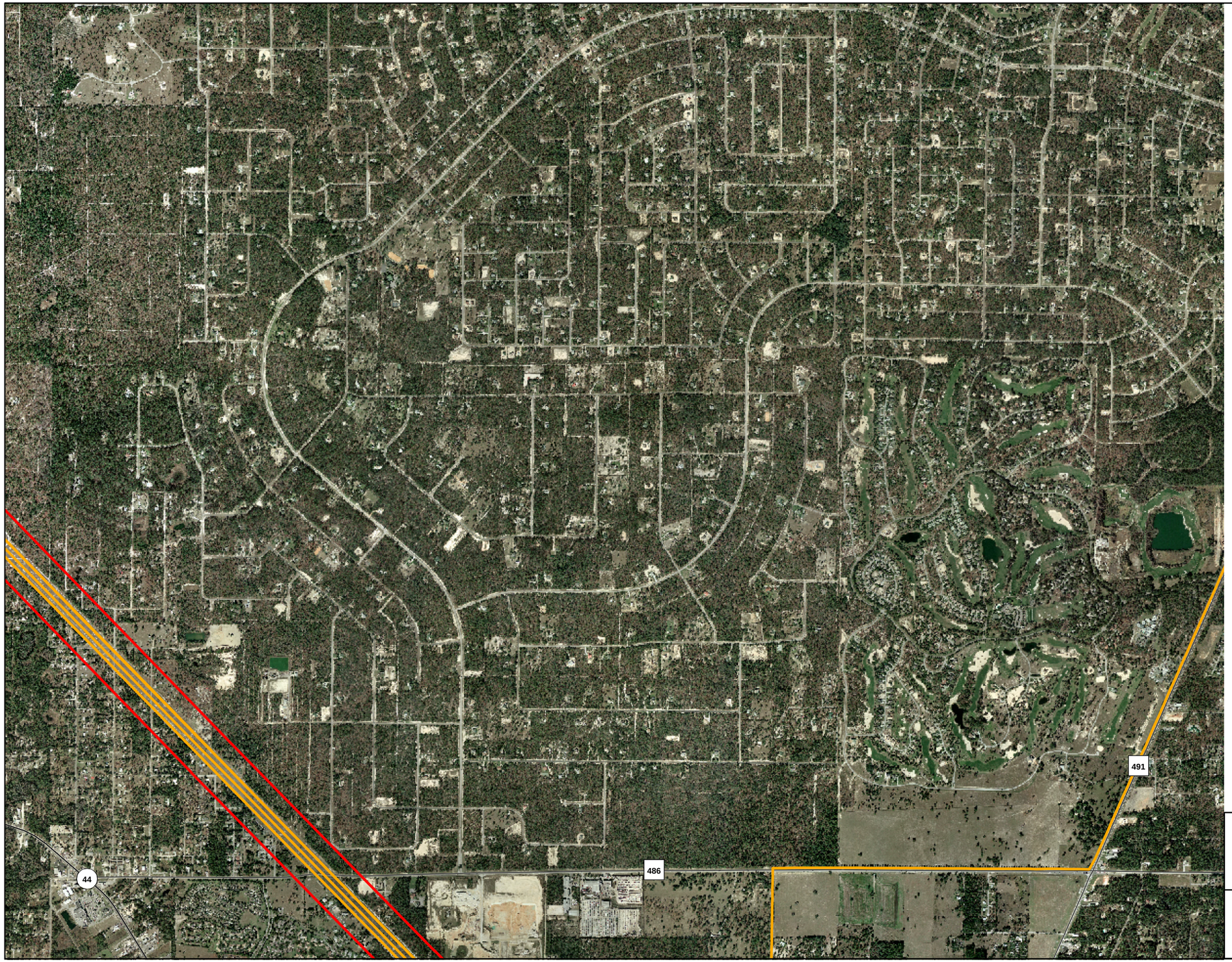
0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5

Rev 0



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LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

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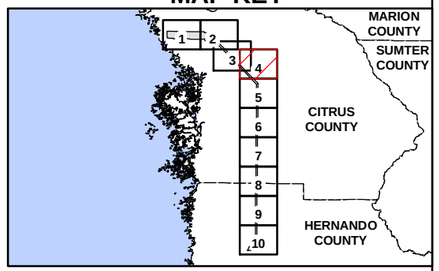

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0 0.6 1.2
Kilometers

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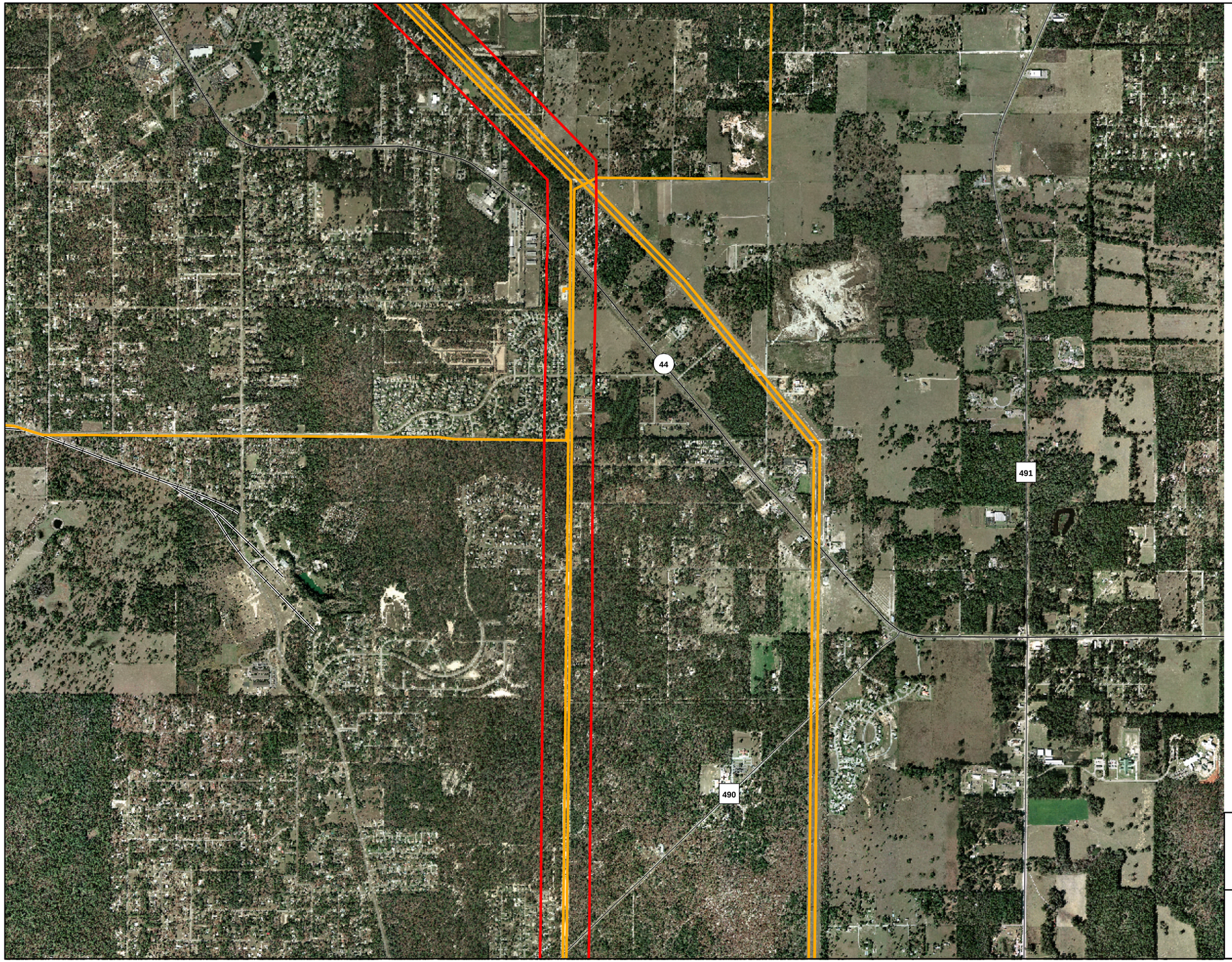
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5



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LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
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- General Area of Proposed Citrus Substation
- Municipalities
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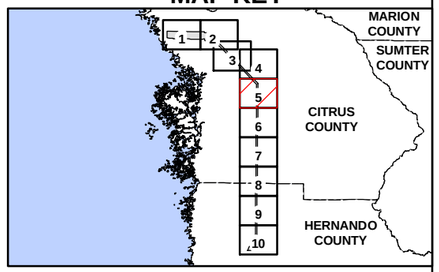

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0 0.6 1.2
Kilometers

0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5

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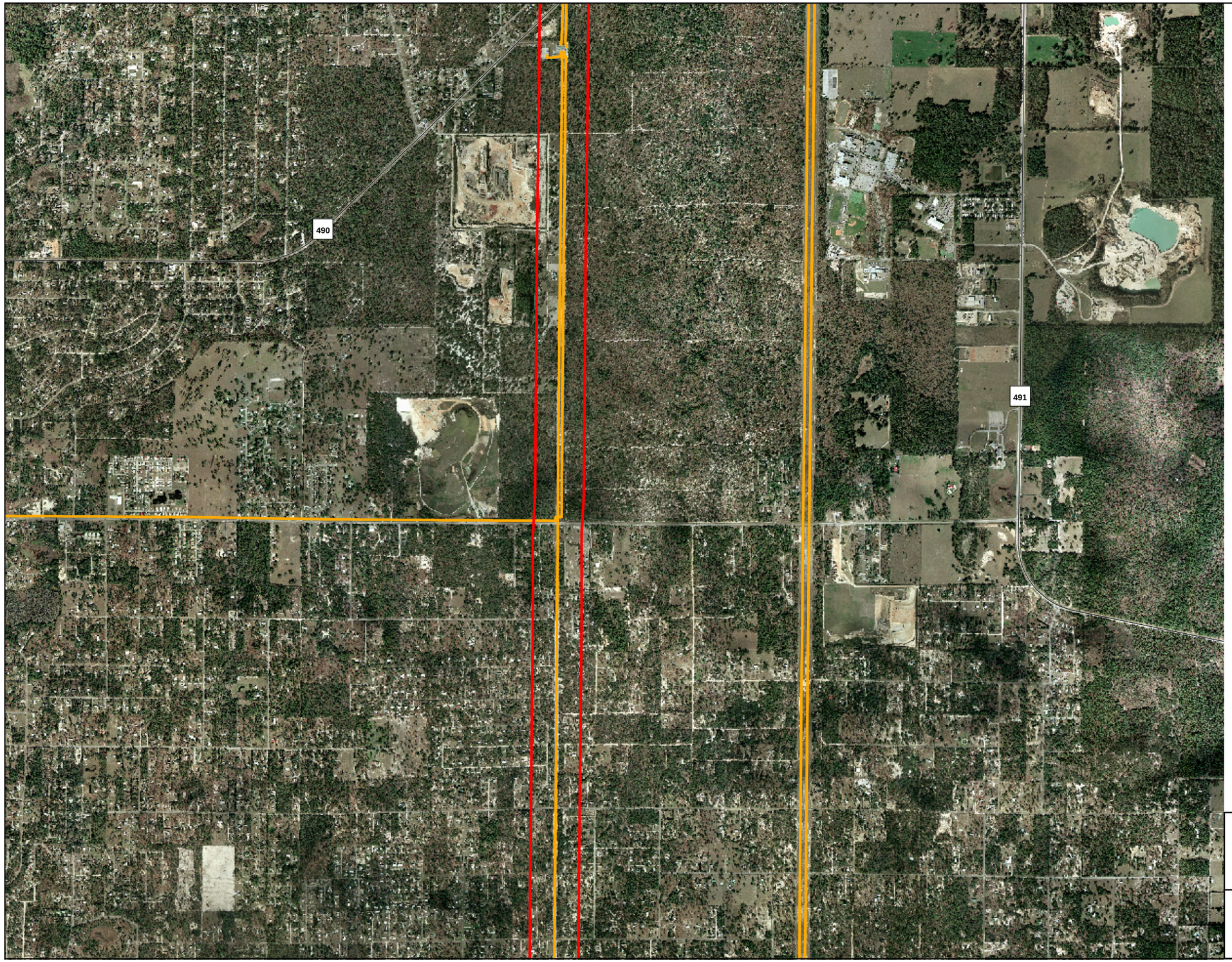

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LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

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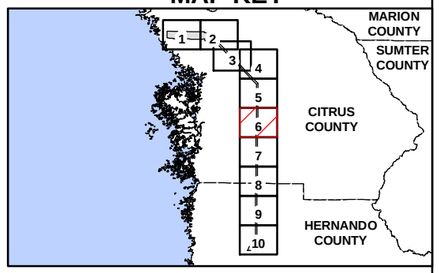

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0 0.6 1.2
Kilometers

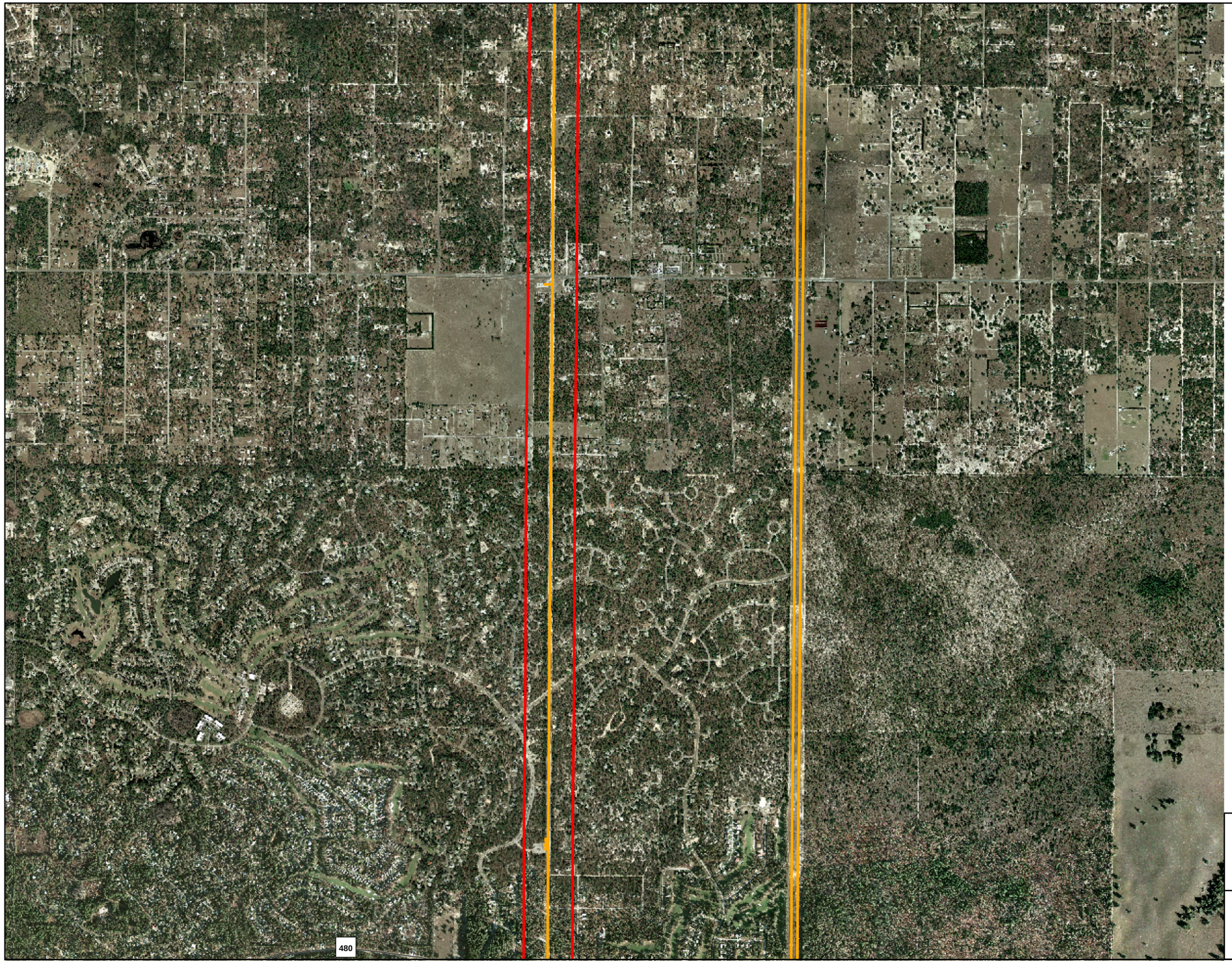
0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5

Rev 0



N
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LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

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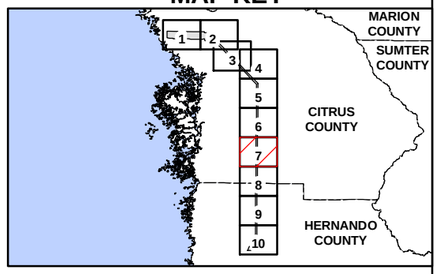

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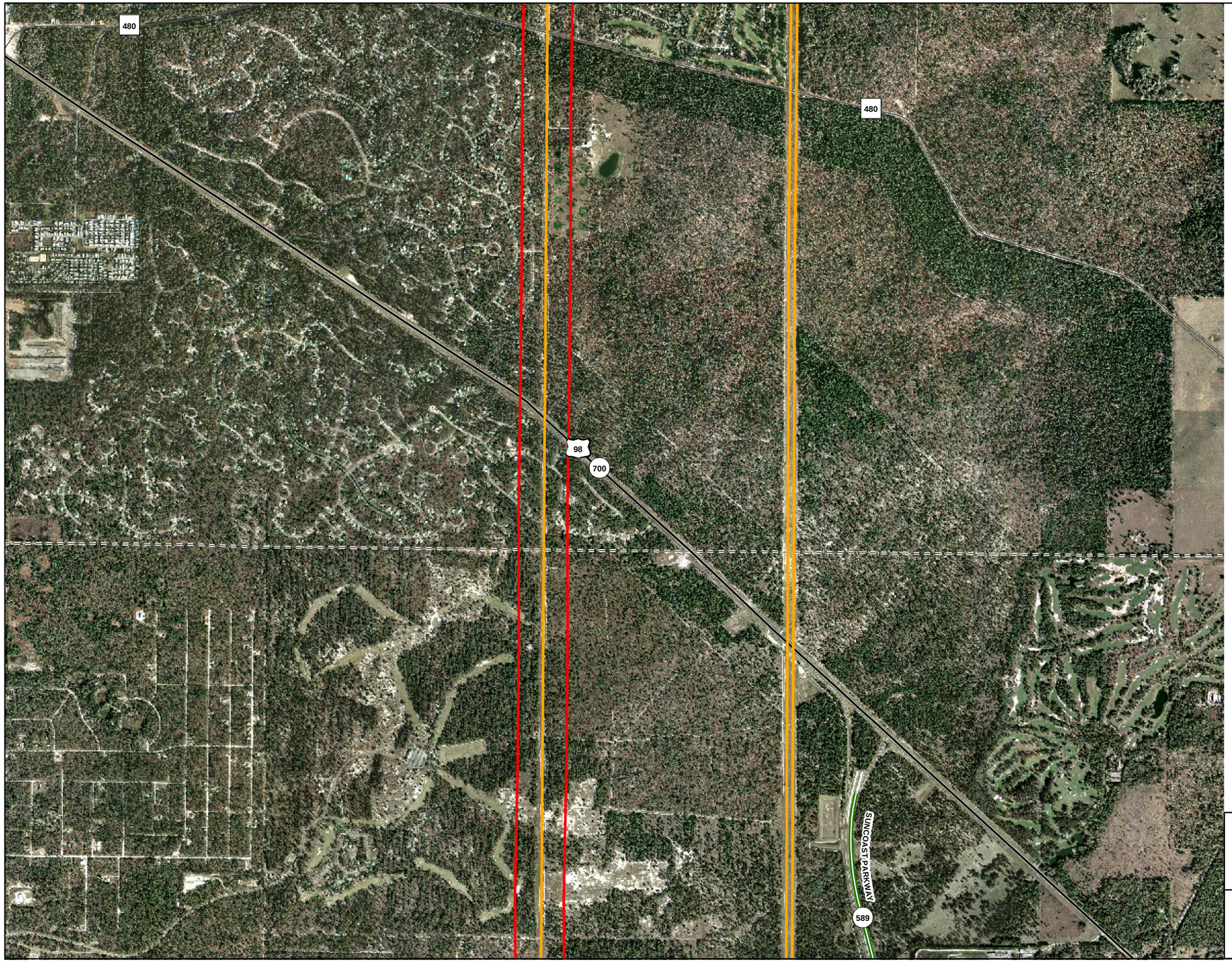
0 0.6 1.2
Kilometers

0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5



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LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

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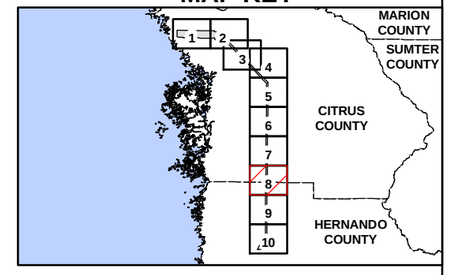

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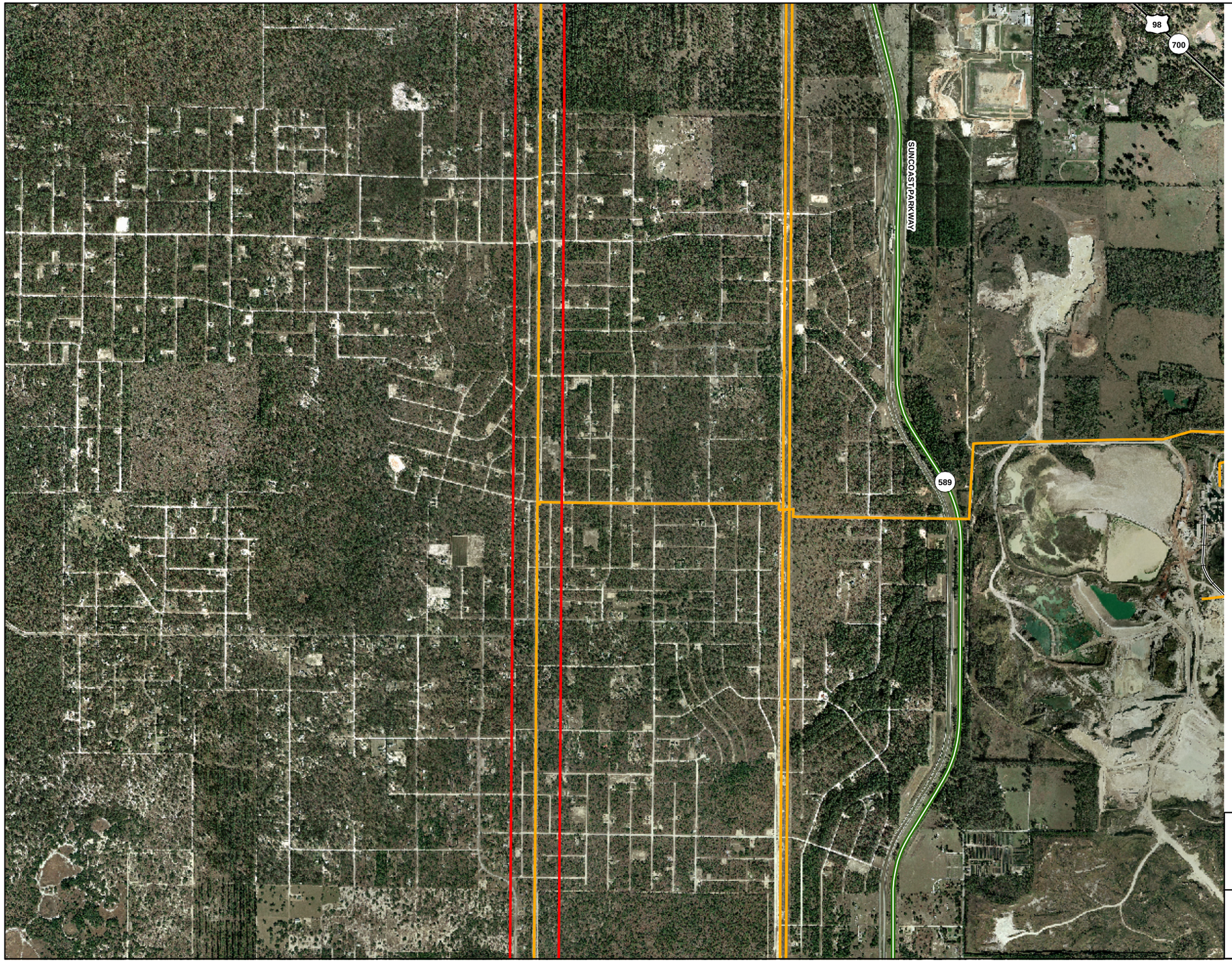
0 0.6 1.2
Kilometers

0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5



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LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

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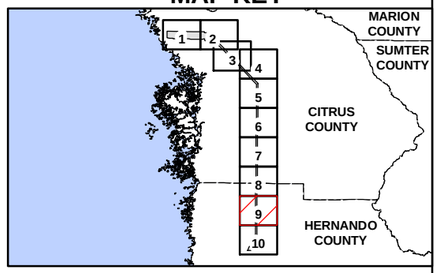

Sources

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0 0.6 1.2
Kilometers

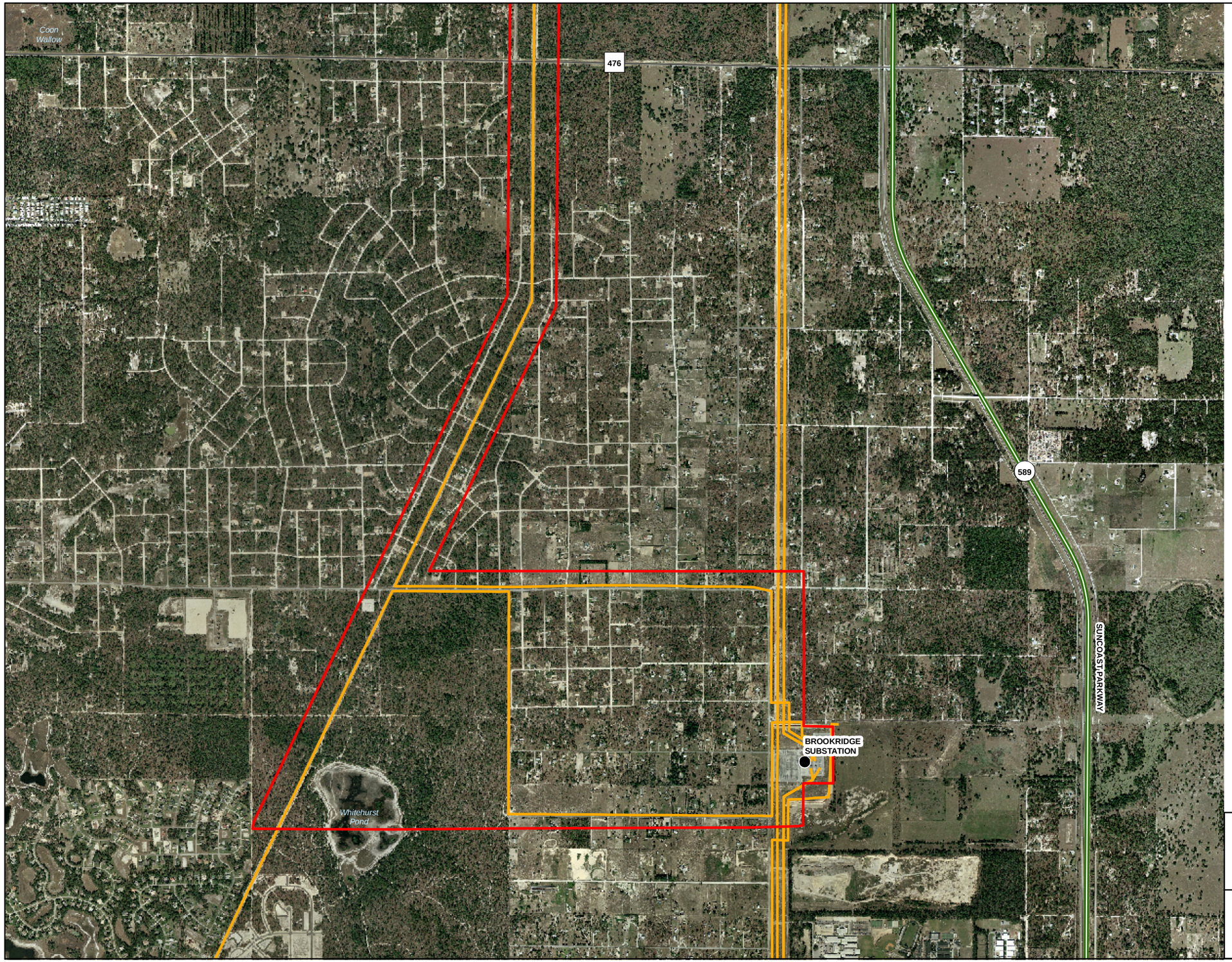
0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5

Rev 0



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LEGEND

- Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- Interstate
- Toll Road
- US Road
- State Road
- County Road
- Railroad
- Corridor Boundary
- General Area of Proposed Citrus Substation
- Municipalities
- Florida County Boundaries

Note

Please note that the municipal boundaries are approximate.

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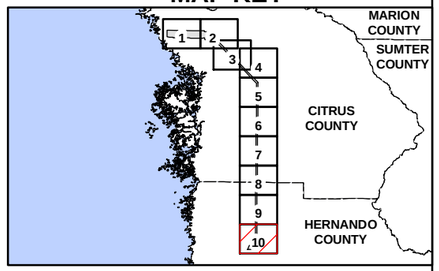

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All Roads - Florida Department of Transportation, 2008
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Railroads - Florida Department of Environmental Protection, 1992
Aerial - 2007 Aerials Express

0 0.6 1.2
Kilometers

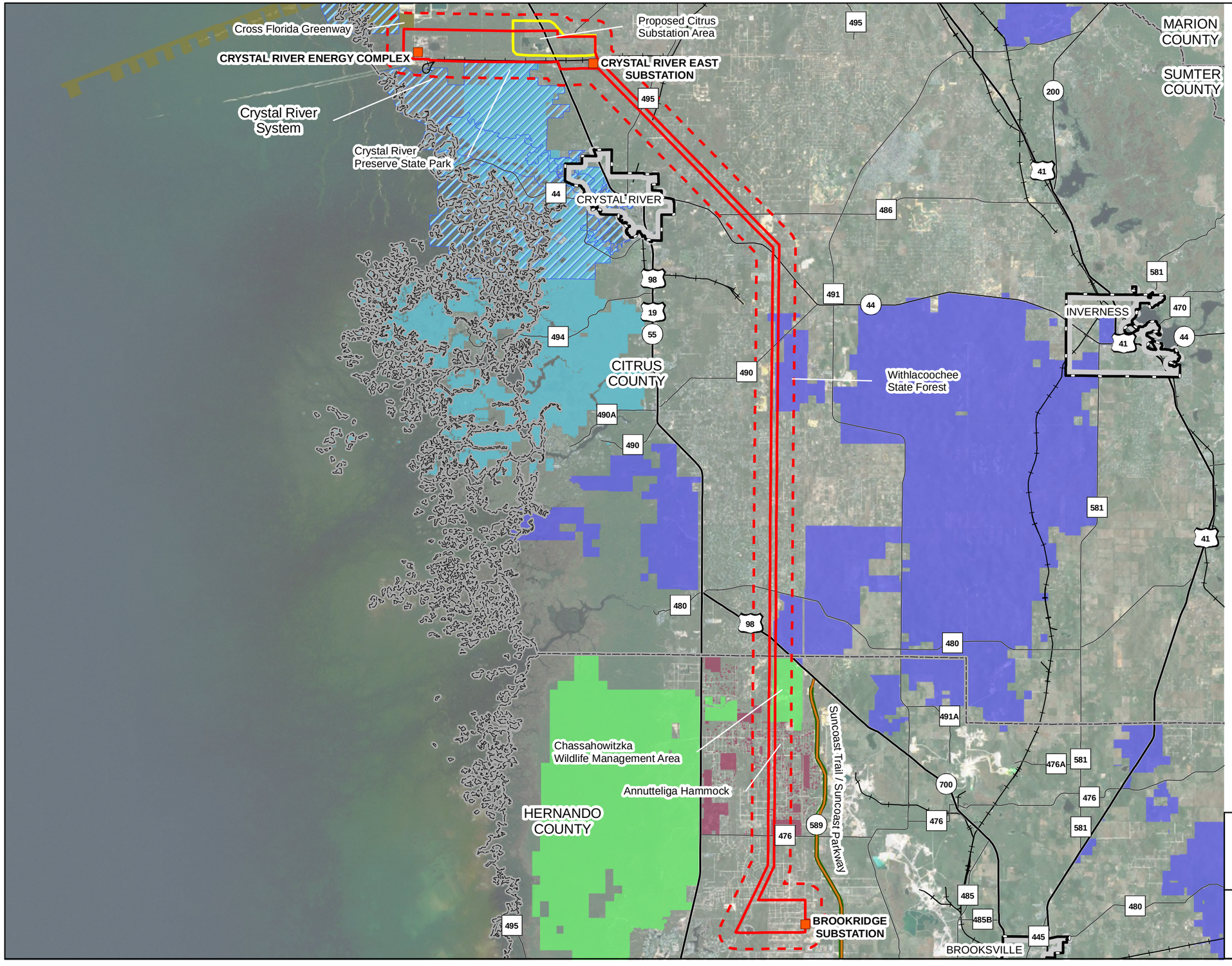
0 0.5
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Corridor - Sectional Maps
FIGURE 9-A5.3-5

Rev 0



LEGEND

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

N W E S

Note

1. Please note that the municipality boundaries are approximate.

Sources

Substations: 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, 2007
Florida Managed Areas, Outstanding Florida Waters, and existing trails: Florida Geographic Data Library, 1992
Municipalities: University of Florida GeoPlan Center, 2005, with Golder update, 2008

0 3 6
Kilometers
0 3 6
Miles

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Governmental Jurisdictions
FIGURE 9-A5.3-6
Rev 0

CRYSTAL RIVER ENERGY COMPLEX

CITRUS COUNTY

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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

Hernando County FLU

- Commercial
- Conservation
- Education
- Industrial
- Mining
- Planned Development
- Public Facility
- Recreation
- Residential
- Rural

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
- County Boundary

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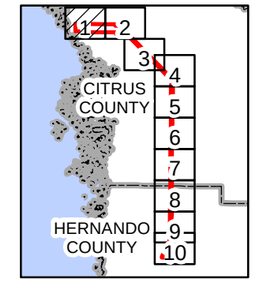
MAP KEY



Sources

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Future Land Use: Citrus County and Hernando County Planning Departments, 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

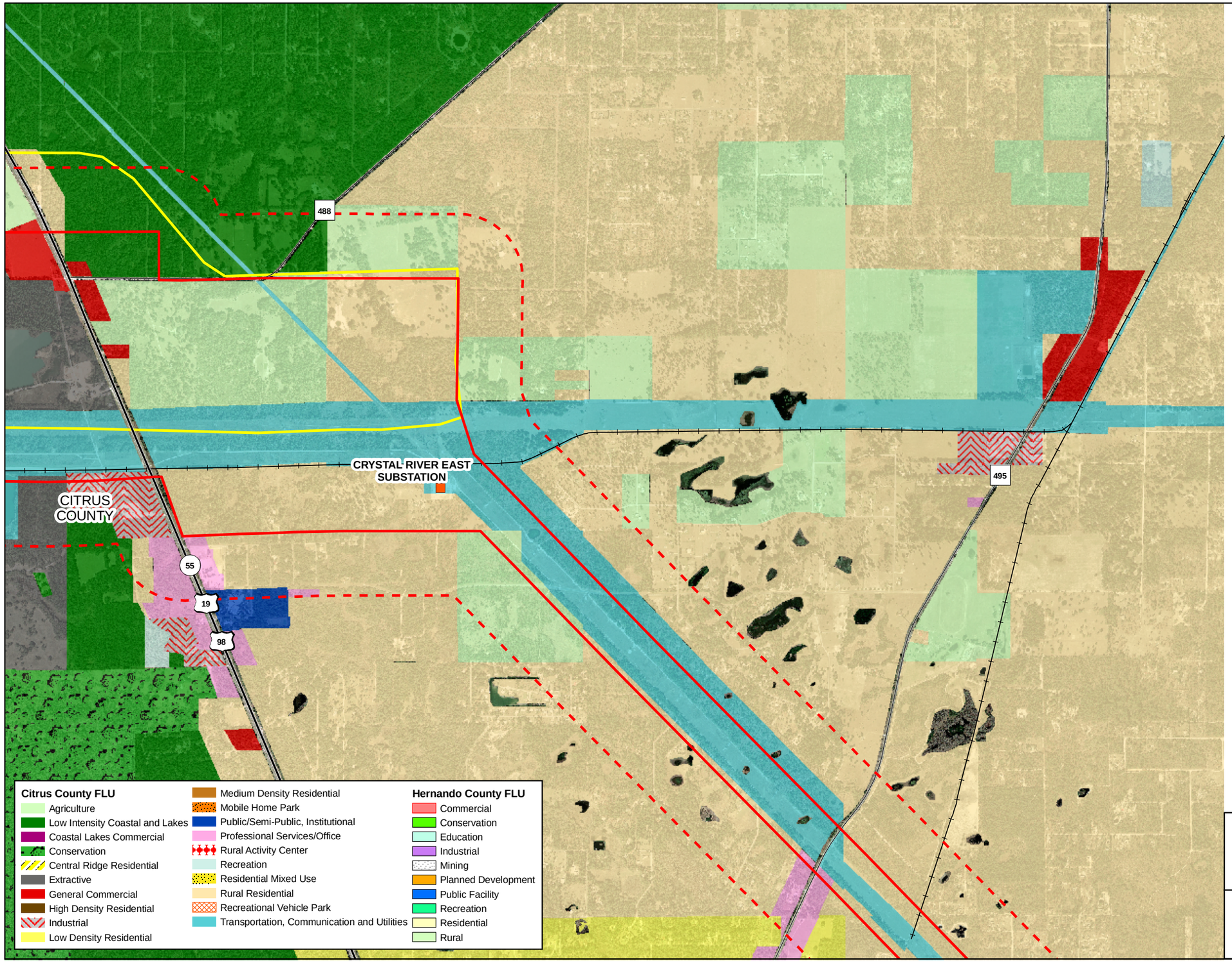
0 0.5 1
Kilometers

0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
1 OF 10
Rev 0



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
- County Boundary

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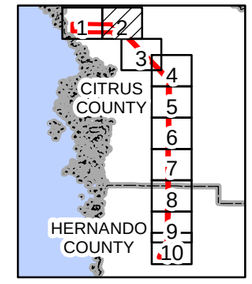
MAP KEY



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

Hernando County FLU

- Commercial
- Conservation
- Education
- Industrial
- Mining
- Planned Development
- Public Facility
- Recreation
- Residential
- Rural

Sources

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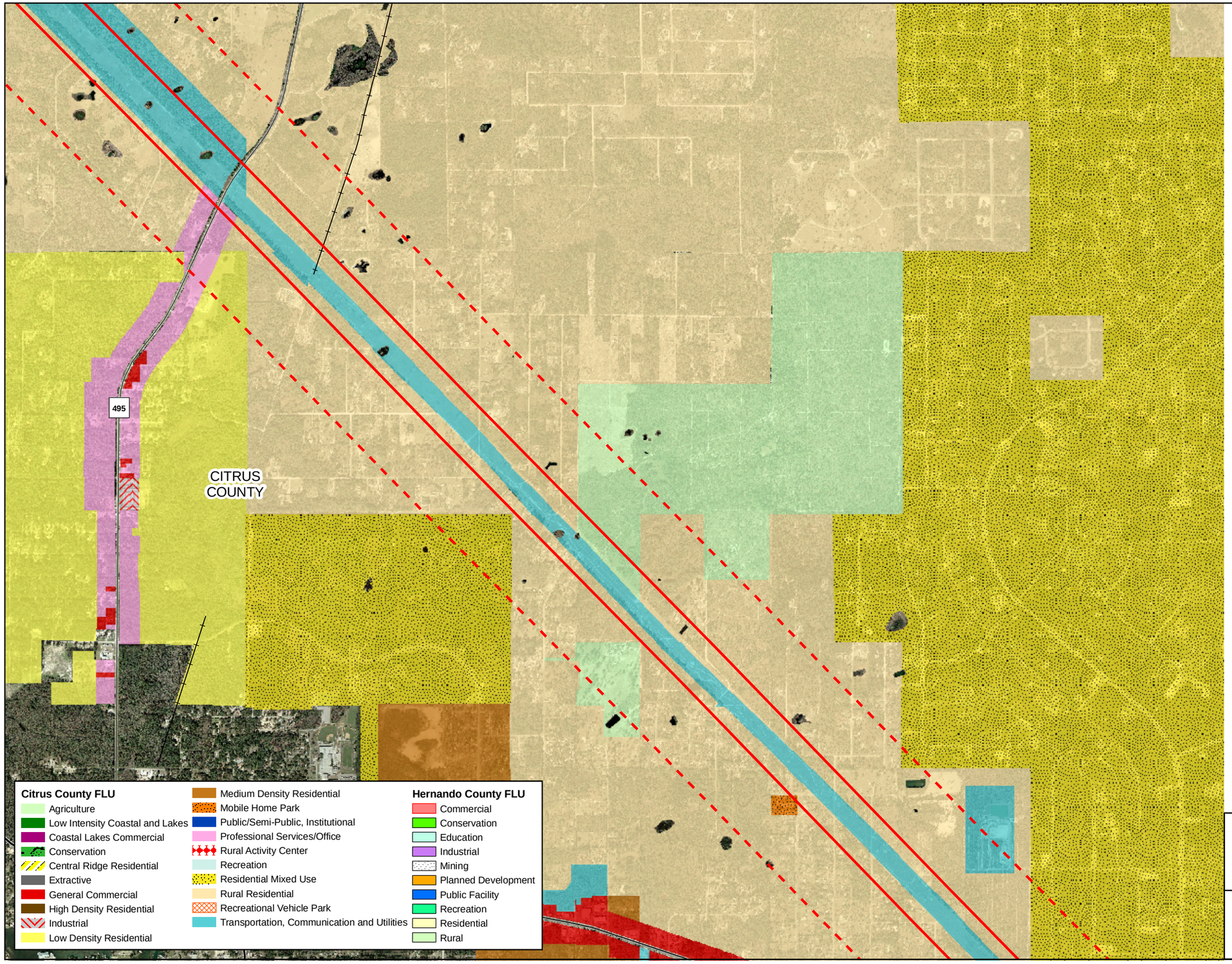
0 0.5 1
Kilometers
0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
2 OF 10 Rev 0



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
- County Boundary

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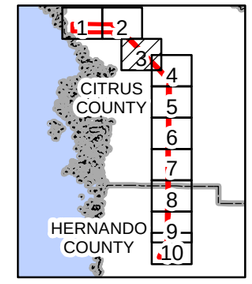
MAP KEY



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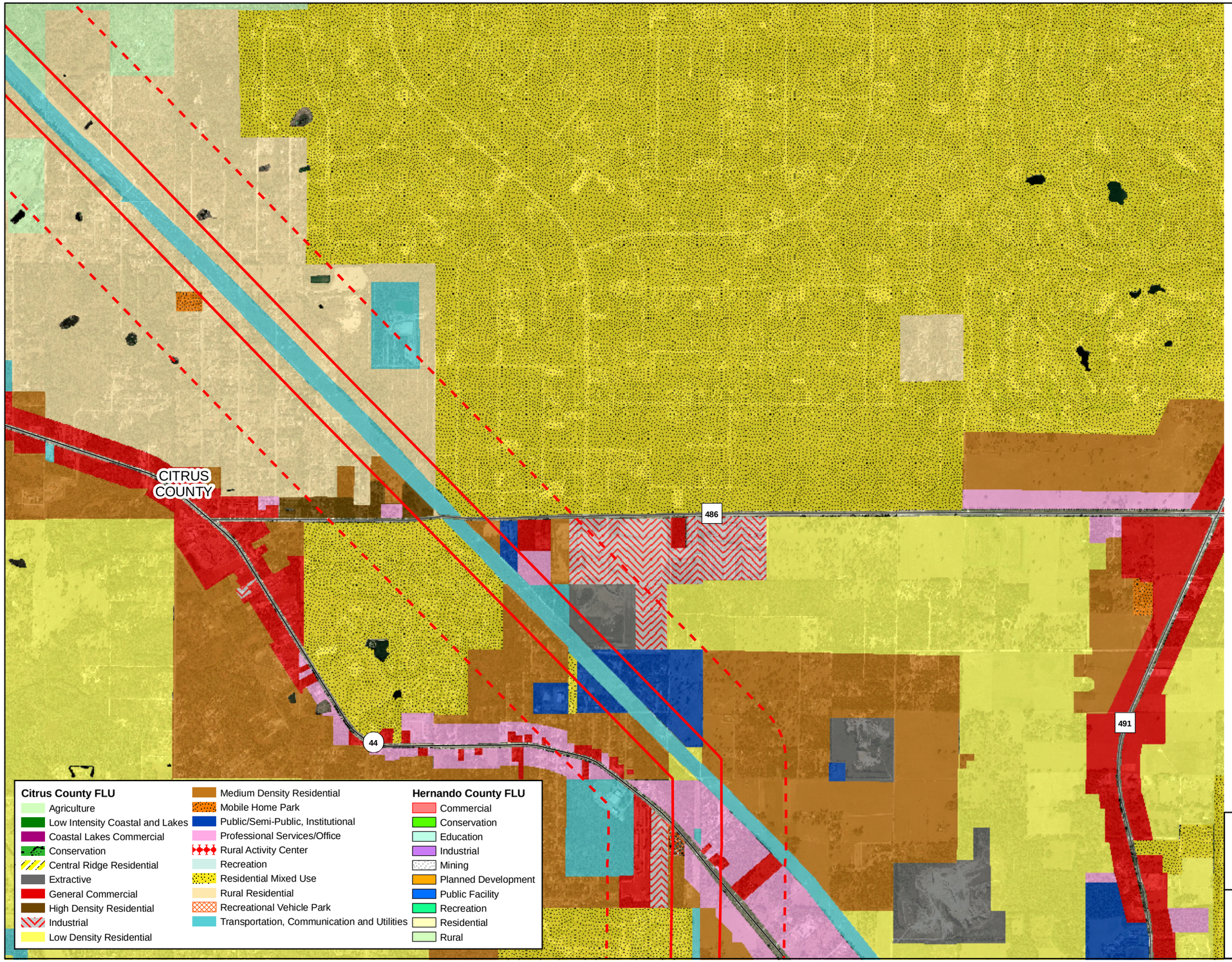
0 0.5 1
Kilometers
0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
3 OF 10
Rev 0



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

Hernando County FLU

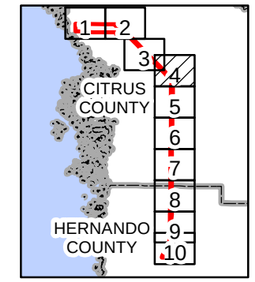
- Commercial
- Conservation
- Education
- Industrial
- Mining
- Planned Development
- Public Facility
- Recreation
- Residential
- Rural

N
W E
S

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
- County Boundary

MAP KEY



Sources

Substations: Progress Energy Florida, 2007
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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

0 0.5 1
Kilometers
0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
4 OF 10
Rev 0

CITRUS
COUNTY

44

491

490

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
- County Boundary

N
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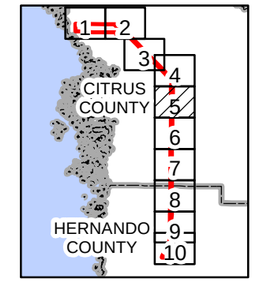
S

MAP KEY



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0 0.5 1
Kilometers
0 2,000 4,000
Feet

Citrus County FLU

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- Recreation
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- Rural Residential
- Recreational Vehicle Park
- Transportation, Communication and Utilities

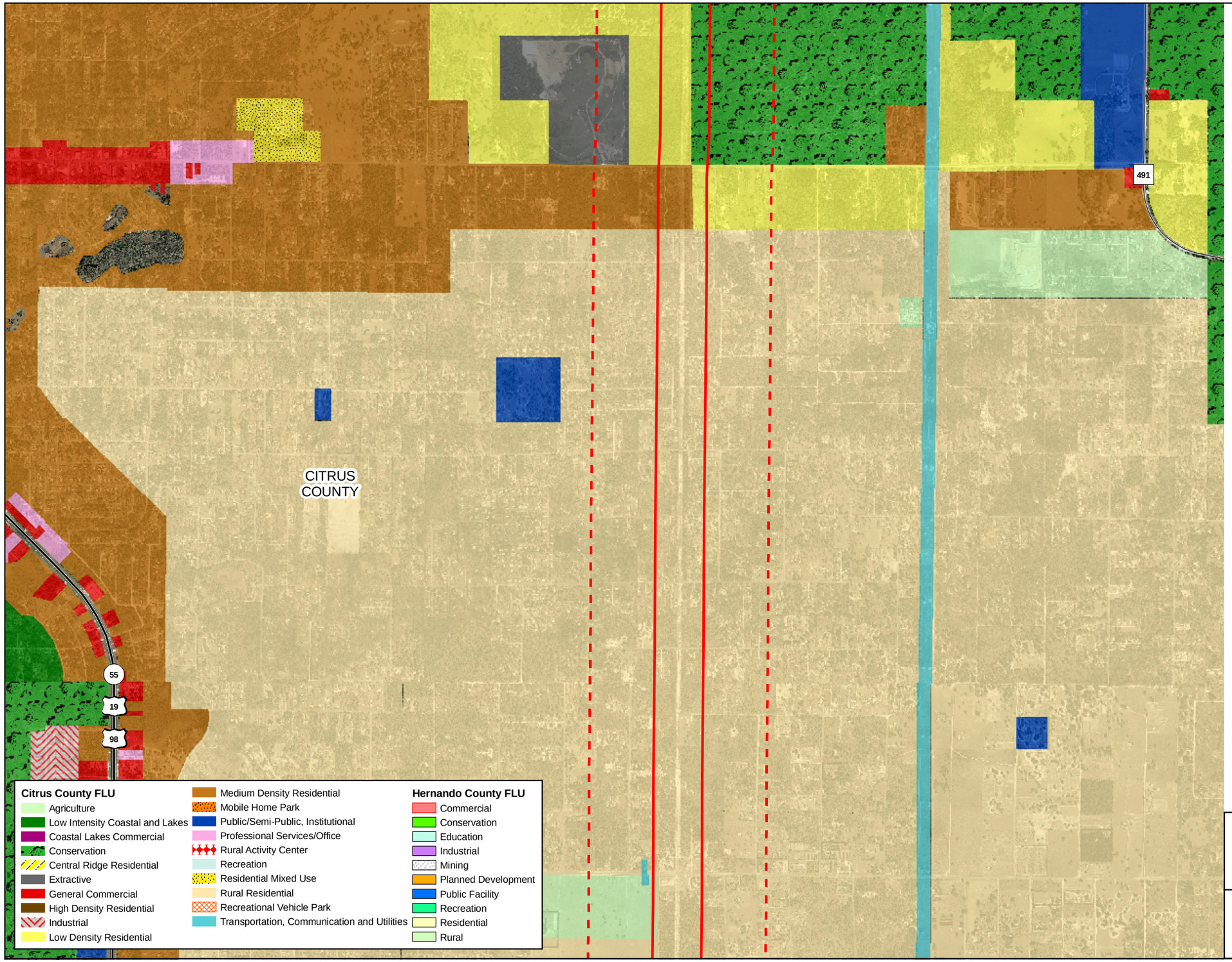
Hernando County FLU

- Commercial
- Conservation
- Education
- Industrial
- Mining
- Planned Development
- Public Facility
- Recreation
- Residential
- Rural

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
5 OF 10
Rev 0



Citrus County FLU

- Agriculture
- Low Intensity Coastal and Lakes
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- Central Ridge Residential
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- Rural Residential
- Recreational Vehicle Park
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Hernando County FLU

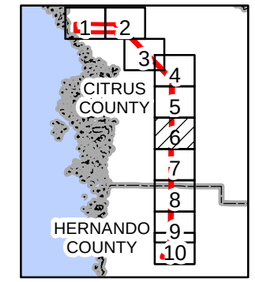
- Commercial
- Conservation
- Education
- Industrial
- Mining
- Planned Development
- Public Facility
- Recreation
- Residential
- Rural

N
W E
S

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
- County Boundary

MAP KEY



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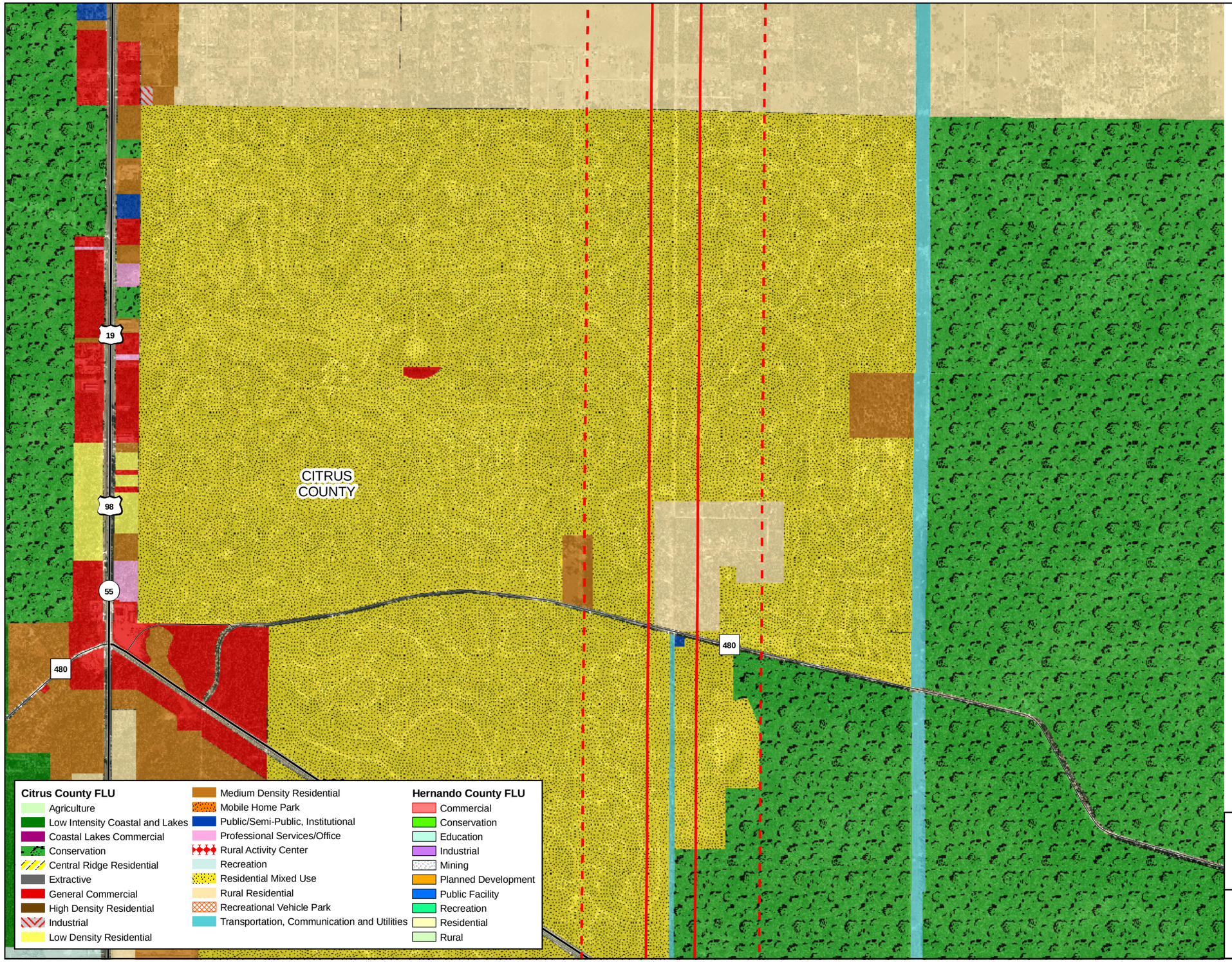
0 0.5 1
Kilometers
0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
6 OF 10
Rev 0



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LEGEND

- Substations
- Interstate
- Toll Roads
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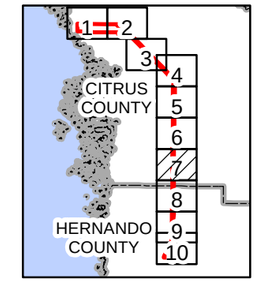

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0 0.5 1
Kilometers
0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
7 OF 10
Rev 0

CITRUS COUNTY

HERNANDO COUNTY

700

98

19

55

589

Suncoast Parkway

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W E

S

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
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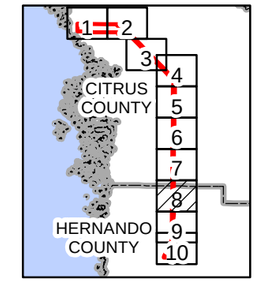

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Hernando County FLU

- Commercial
- Conservation
- Education
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- Mining
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- Public Facility
- Recreation
- Residential
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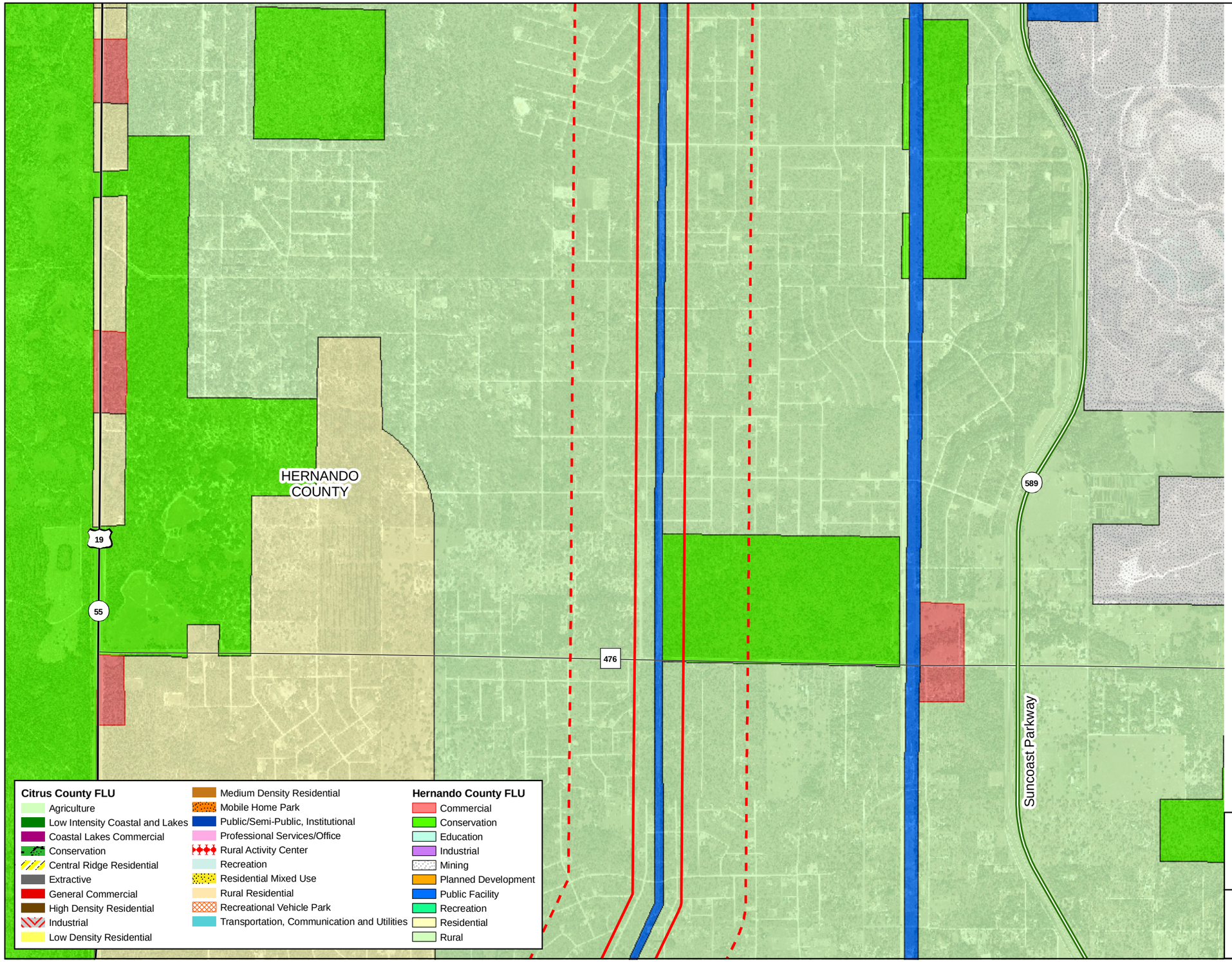
Kilometers
0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
8 OF 10
Rev 0



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
- County Boundary

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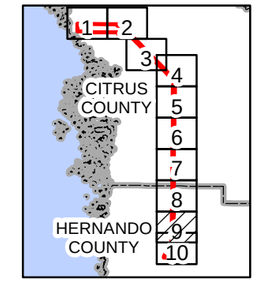
S

MAP KEY



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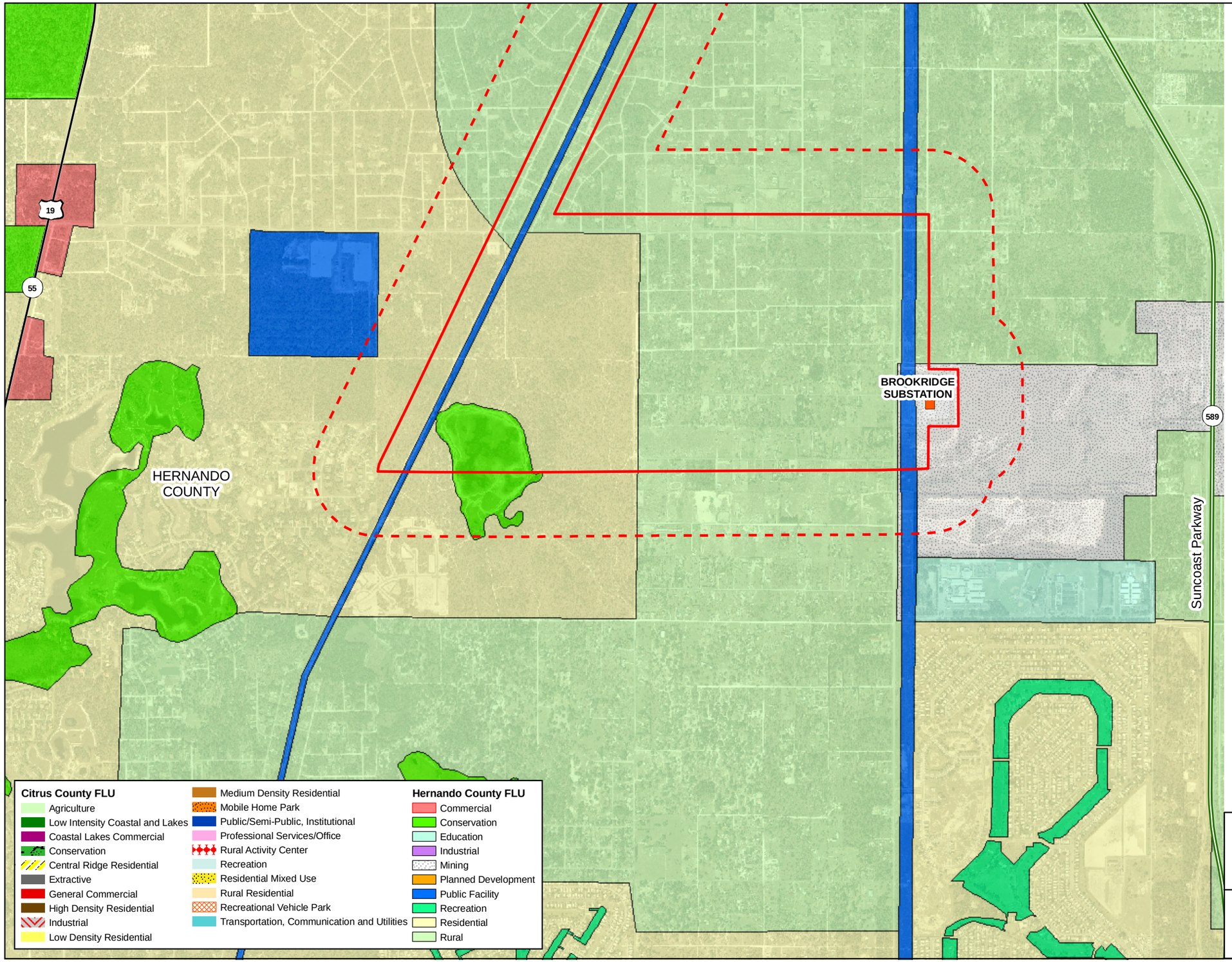
0 0.5 1
Kilometers
0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
9 OF 10
Rev 0



LEGEND

- Substations
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- Corridor Boundary 0.25-mile Buffer
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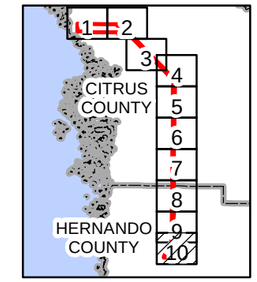
- County Boundary

N
W E
S

MAP KEY



Citrus County FLU
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- General Commercial
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- Residential Mixed Use
- Rural Residential
- Recreational Vehicle Park
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Hernando County FLU
- Commercial
- Conservation
- Education
- Industrial
- Mining
- Planned Development
- Public Facility
- Recreation
- Residential
- Rural

Sources

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0 0.5 1
Kilometers
0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Future Land Use
FIGURE 9-A5.3-7
10 OF 10 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

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Land Use Land Cover Legend Key

FIGURE 9-A5.3-8A

Rev 0

Code	Description	Code	Description
110	RESIDENTIAL, LOW DENSITY	421	XERIC OAK
120	RESIDENTIAL, MEDIUM DENSITY	427	LIVE OAK
130	RESIDENTIAL HIGH DENSITY	434	HARDWOOD - CONIFER MIXED
139	HIGH DENSITY UNDER CONSTRUCTION	441	CONIFEROUS PLANTATIONS
140	COMMERCIAL AND SERVICES	520	LAKES
150	INDUSTRIAL	530	RESERVOIRS
160	EXTRACTIVE	540	BAYS AND ESTUARIES
170	INSTITUTIONAL	572	GULF OF MEXICO
180	RECREATIONAL	615	STREAM AND LAKE SWAMPS (BOTTOMLAND)
182	GOLF COURSES	621	CYPRESS
190	OPEN LAND	630	WETLAND FORESTED MIXED
193	URBAN LAND IN TRANSITION	631	WETLAND SCRUB
211	IMPROVED PASTURES	641	FRESHWATER MARSHES
222	FRUIT ORCHARDS	642	SALTWATER MARSHES
240	NURSERIES AND VINEYARDS	643	WET PRAIRIES
250	SPECIALTY FARMS	653	INTERMITTENT PONDS
255	TROPICAL FISH FARMS	740	DISTURBED LANDS
260	OTHER OPEN LANDS <RURAL>	810	TRANSPORTATION
310	HERBACEOUS (DRY PRAIRIE)	814	ROADS AND HIGHWAYS
320	SHRUB AND BRUSHLAND	820	COMMUNICATIONS
330	MIXED RANGELAND	830	UTILITIES
411	PINE FLATWOODS	833	WATER SUPPLY PLANTS
412	LONGLEAF PINE - XERIC OAK	835	SOLID WASTE DISPOSAL
413	SAND PINE		

CITRUS COUNTY

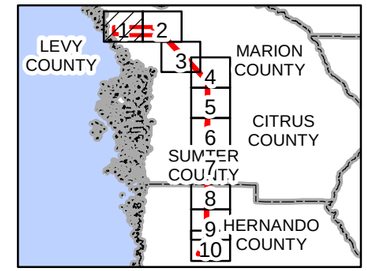
Eastern Diamondback R

LEGEND

N
W E
S

- Substations
- Eagle's Nest
- FNAI Observed Species
- Species Observed by Golder
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- County Boundary
- General Area of Proposed Citrus Substation
- High Density Species Observation by Golder

MAP KEY



Note

1. Please note that the muncipality boundaries are approximate.

Sources

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FNAI Observed Species: Florida Natural Areas Inventory, 2008
Eagle's Nest Locations: FNAI, FFWCC, and Golder observation; 2007
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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

0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
1 OF 10 Rev 0

Code	Description	Code	Description
110	RESIDENTIAL, LOW DENSITY	421	XERIC OAK
120	RESIDENTIAL, MEDIUM DENSITY	427	LIVE OAK
130	RESIDENTIAL HIGH DENSITY	434	HARDWOOD - CONIFER MIXED
139	HIGH DENSITY UNDER CONSTRUCTION	441	CONIFEROUS PLANTATIONS
140	COMMERCIAL AND SERVICES	520	LAKES
150	INDUSTRIAL	530	RESERVOIRS
160	EXTRACTIVE	540	BAYS AND ESTUARIES
170	INSTITUTIONAL	572	GULF OF MEXICO
180	RECREATIONAL	615	STREAM AND LAKE SWAMPS (BOTTOMLAND)
182	GOLF COURSES	621	CYPRESS
190	OPEN LAND	630	WETLAND FORESTED MIXED
193	URBAN LAND IN TRANSITION	631	WETLAND SCRUB
211	IMPROVED PASTURES	641	FRESHWATER MARSHES
222	FRUIT ORCHARDS	642	SALTWATER MARSHES
240	NURSERIES AND VINEYARDS	643	WET PRAIRIES
250	SPECIALTY FARMS	653	INTERMITTENT PONDS
255	TROPICAL FISH FARMS	740	DISTURBED LANDS
260	OTHER OPEN LANDS <RURAL>	810	TRANSPORTATION
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320	SHRUB AND BRUSHLAND	820	COMMUNICATIONS
330	MIXED RANGELAND	830	UTILITIES
411	PINE FLATWOODS	833	WATER SUPPLY PLANTS
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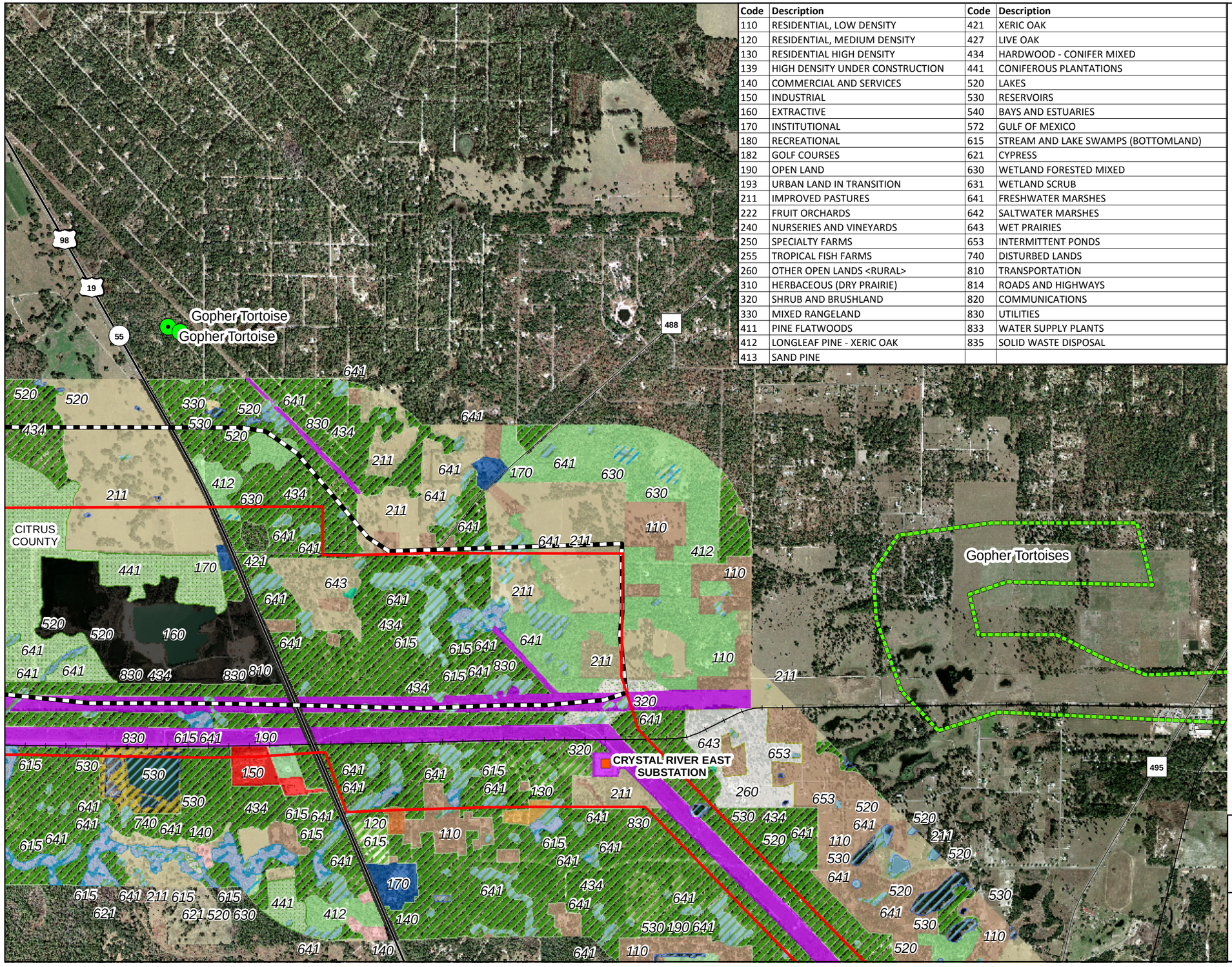
413	SAND PINE		



LEGEND

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- Substations
- Eagle's Nest
- FNAI Observed Species
- Species Observed by Golder
- Interstate
- Toll Roads
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- State Roads
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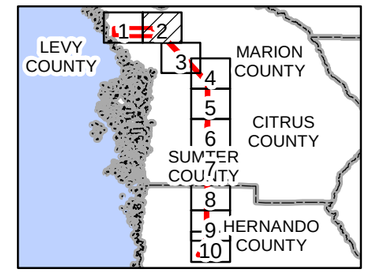

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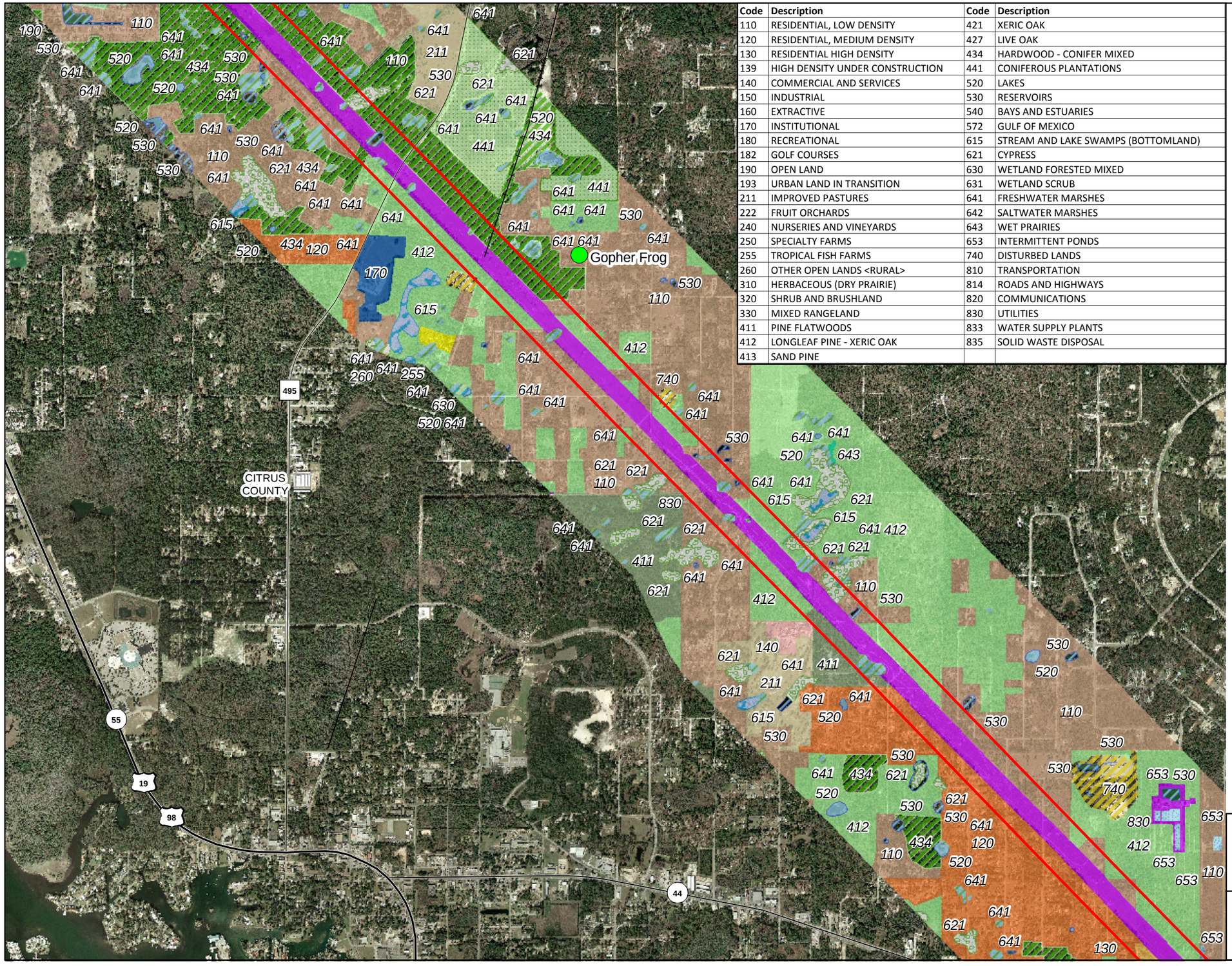
Corridor Boundary: Golder Associates Inc. & Progress Energy Florida, 2008

0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
2 OF 10 Rev 0



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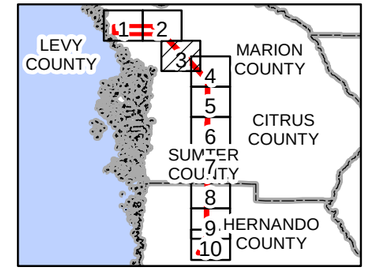
250	SPECIALTY FARMS	653	INTERMITTENT PONDS
255	TROPICAL FISH FARMS	740	DISTURBED LANDS
260	OTHER OPEN LANDS <RURAL>	810	TRANSPORTATION
310	HERBACEOUS (DRY PRAIRIE)	814	ROADS AND HIGHWAYS
320	SHRUB AND BRUSHLAND	820	COMMUNICATIONS
330	MIXED RANGELAND	830	UTILITIES
411	PINE FLATWOODS	833	WATER SUPPLY PLANTS
412	LONGLEAF PINE - XERIC OAK	835	SOLID WASTE DISPOSAL
413	SAND PINE		

LEGEND

N
W E
S

- Substations
- Eagle's Nest
- FNAI Observed Species
- Species Observed by Golder
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- County Boundary
- General Area of Proposed Citrus Substation
- High Density Species Observation by Golder

MAP KEY



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Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
3 OF 10 Rev 0

Code	Description	Code	Description
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120	RESIDENTIAL, MEDIUM DENSITY	427	LIVE OAK
130	RESIDENTIAL HIGH DENSITY	434	HARDWOOD - CONIFER MIXED
139	HIGH DENSITY UNDER CONSTRUCTION	441	CONIFEROUS PLANTATIONS
140	COMMERCIAL AND SERVICES	520	LAKES
150	INDUSTRIAL	530	RESERVOIRS
160	EXTRACTIVE	540	BAYS AND ESTUARIES
170	INSTITUTIONAL	572	GULF OF MEXICO
180	RECREATIONAL	615	STREAM AND LAKE SWAMPS (BOTTOMLAND)
182	GOLF COURSES	621	CYPRESS
190	OPEN LAND	630	WETLAND FORESTED MIXED
193	URBAN LAND IN TRANSITION	631	WETLAND SCRUB
211	IMPROVED PASTURES	641	FRESHWATER MARSHES
222	FRUIT ORCHARDS	642	SALTWATER MARSHES
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250	SPECIALTY FARMS	653	INTERMITTENT PONDS
255	TROPICAL FISH FARMS	740	DISTURBED LANDS
260	OTHER OPEN LANDS <RURAL>	810	TRANSPORTATION
310	HERBACEOUS (DRY PRAIRIE)	814	ROADS AND HIGHWAYS
320	SHRUB AND BRUSHLAND	820	COMMUNICATIONS
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411	PINE FLATWOODS	833	WATER SUPPLY PLANTS
412	LONGLEAF PINE - XERIC OAK	835	SOLID WASTE DISPOSAL
413	SAND PINE		

CITRUS COUNTY

120 Gopher Tortoise

434 Peregrine Falcon

DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information

LEGEND

N W E S

- Substations
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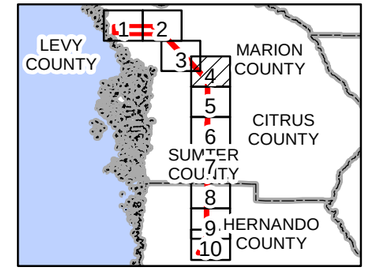

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Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
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412	LONGLEAF PINE - XERIC OAK	835	SOLID WASTE DISPOSAL
413	SAND PINE		

DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information

Gopher Tortoise

Gopher Tortoise

Gopher Tortoise

CITRUS COUNTY

490

491

LEGEND

- Substations
- Eagle's Nest
- FNAI Observed Species
- Species Observed by Golder
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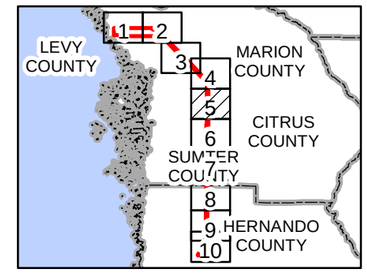

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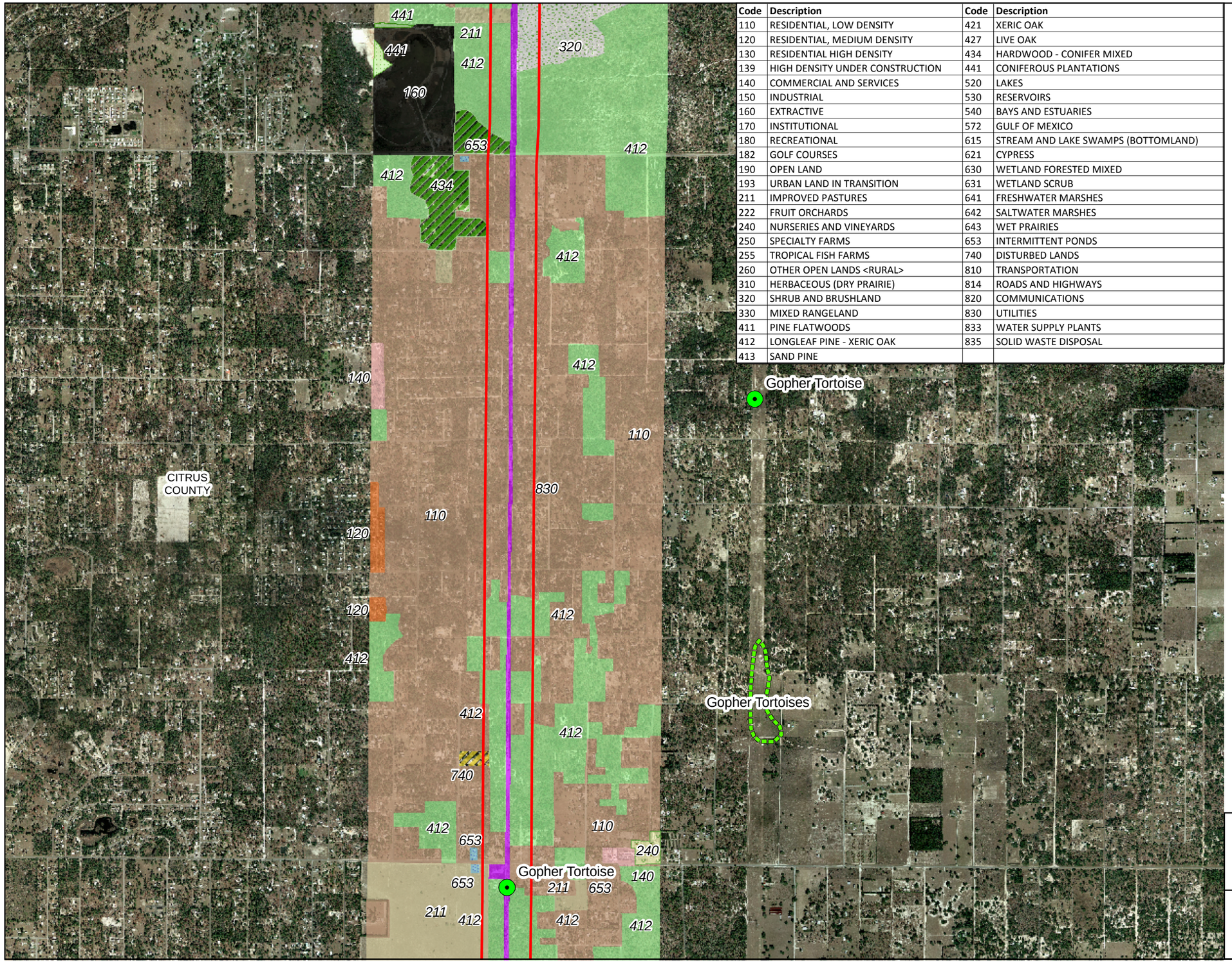
Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
5 OF 10 Rev 0



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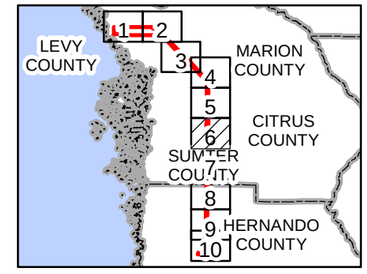

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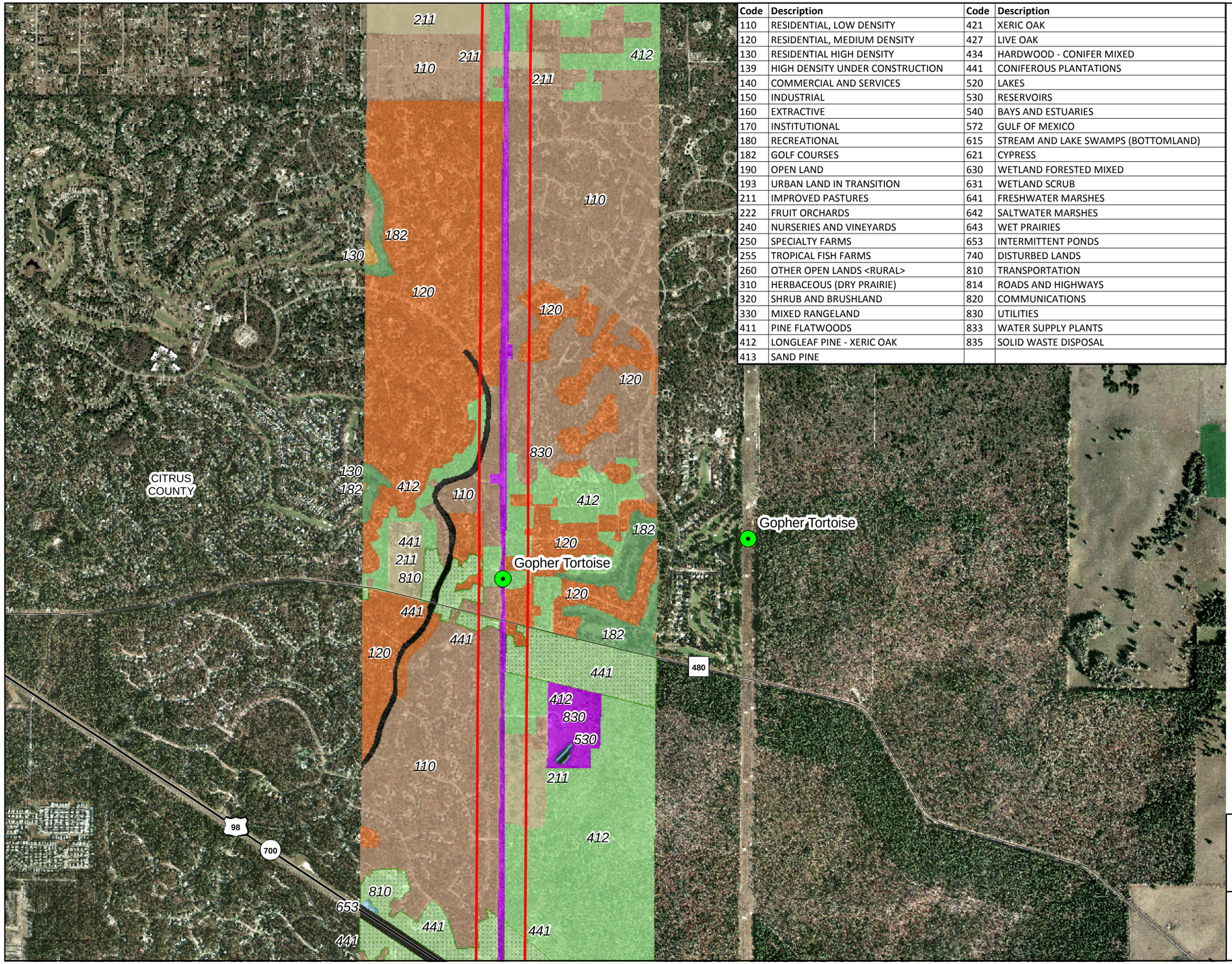
Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
6 OF 10 Rev 0



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LEGEND

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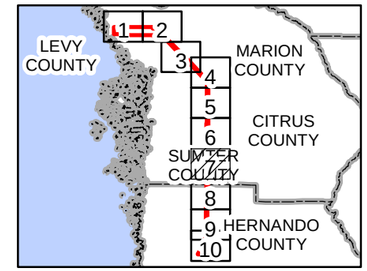

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Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
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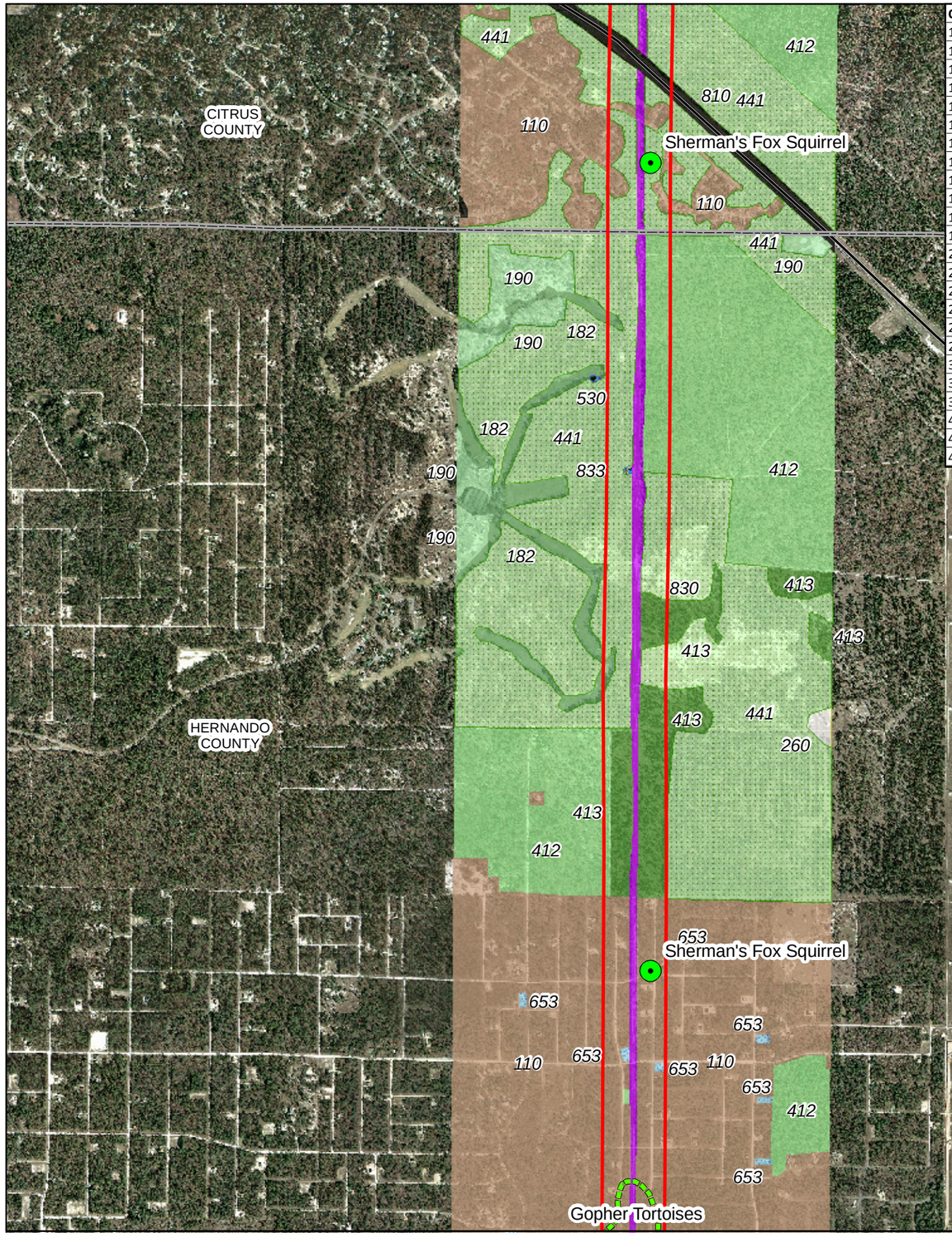

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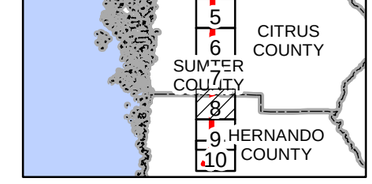

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Levy Nuclear Plant
Units 1 and 2
Site Certification Application

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Existing Land Use and Land Cover
FIGURE 9-A5.3-8
8 OF 10 Rev 0

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413	SAND PINE		

HERNANDO COUNTY

Suncoast Parkway

589

476

Gopher Tortoises

Gopher Tortoise

LEGEND

- Substations
- Eagle's Nest
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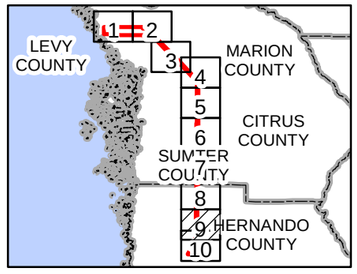

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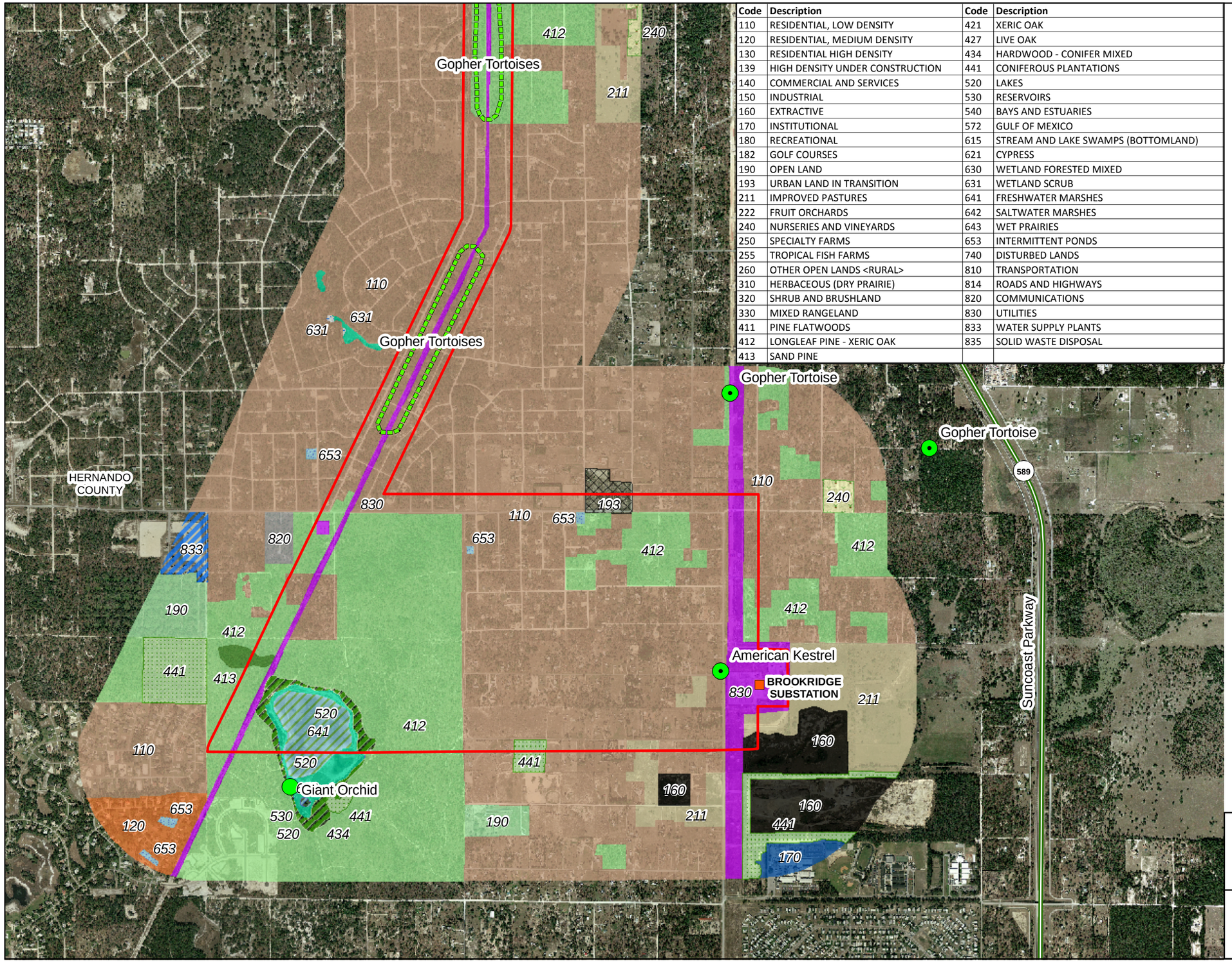
Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
9 OF 10 Rev 0



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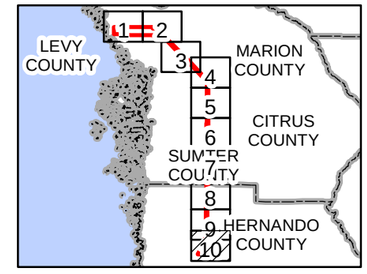
- High Density Species Observation by Golder

MAP KEY



Note

1. Please note that the muncipality 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
Railroads: Florida Geographic Data Library, 1992
FNAI Observed Species: Florida Natural Areas Inventory, 2008
Eagle's 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
Aerials Imagery: Aerials Express, 2007
Corridor Boundary: Golder Associates Inc. & Progress Energy Florida, 2008

0 2,000 4,000
Feet

Progress Energy Florida

Levy Nuclear Plant
Units 1 and 2
Site Certification Application

CB
Existing Land Use and Land Cover
FIGURE 9-A5.3-8
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