

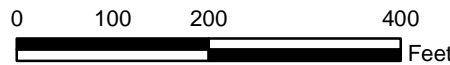


LEGEND

- LCFS Right-of-Way
- LCFS Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- LCFS Access Roads
- Substation Property
- Forested Wetland Clearing Impacts
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NOTES
See wetland survey for acreage of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

**LEVY - CENTRAL FLORIDA SOUTH (LCFS)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

FILE No.	09389547Z002
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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
115 of 180

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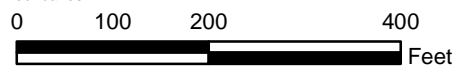


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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
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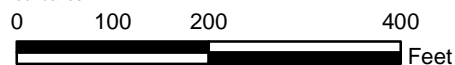


LEGEND

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
117 of 180

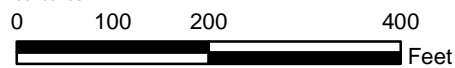


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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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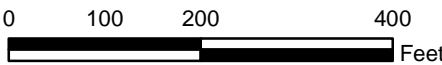
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TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

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PROGRESS ENERGY FLORIDA
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FIGURE **119 of 180**

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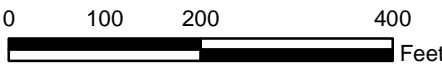
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Golder Associates
Gainesville, Florida

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 120 of 180
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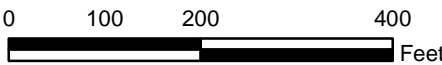
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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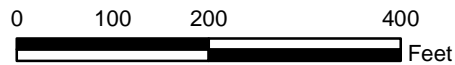


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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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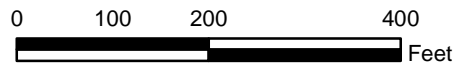


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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

FIGURE
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LEGEND

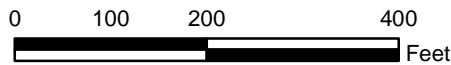
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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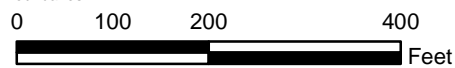


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**LEVY - CENTRAL FLORIDA SOUTH (LCFS)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
125 of 180

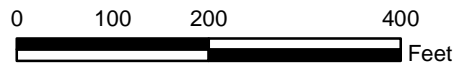


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PROJECT No. 093-89547 **REV.** 1

SCALE	AS SHOWN
DATE	2/18/2010
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
126 of 180

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LEGEND

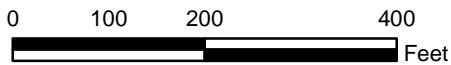
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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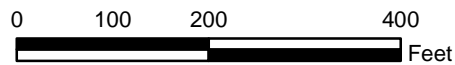
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
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LEGEND

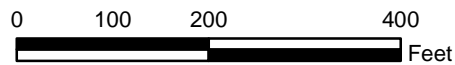
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Golder Associates
Gainesville, Florida

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 129 of 180
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LEGEND

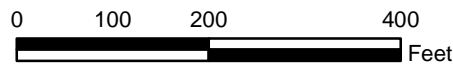
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PROGRESS ENERGY FLORIDA
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FIGURE
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LEGEND

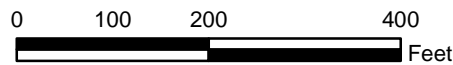
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
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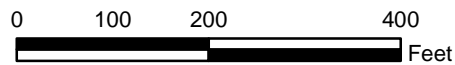
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LEGEND

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

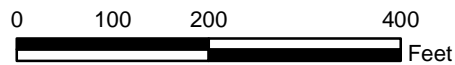
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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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LEGEND

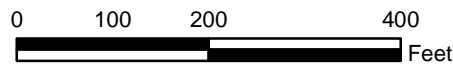
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Golder Associates
Gainesville, Florida

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SCALE	AS SHOWN
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GIS	NRL
CHECK	SR
REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 134 of 180
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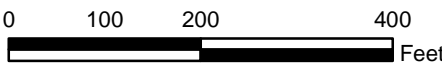
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- LCFS Right-of-Way
- LCFS Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- LCFS Access Roads
- Substation Property
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries

REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

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For impact acreages see attached tables.



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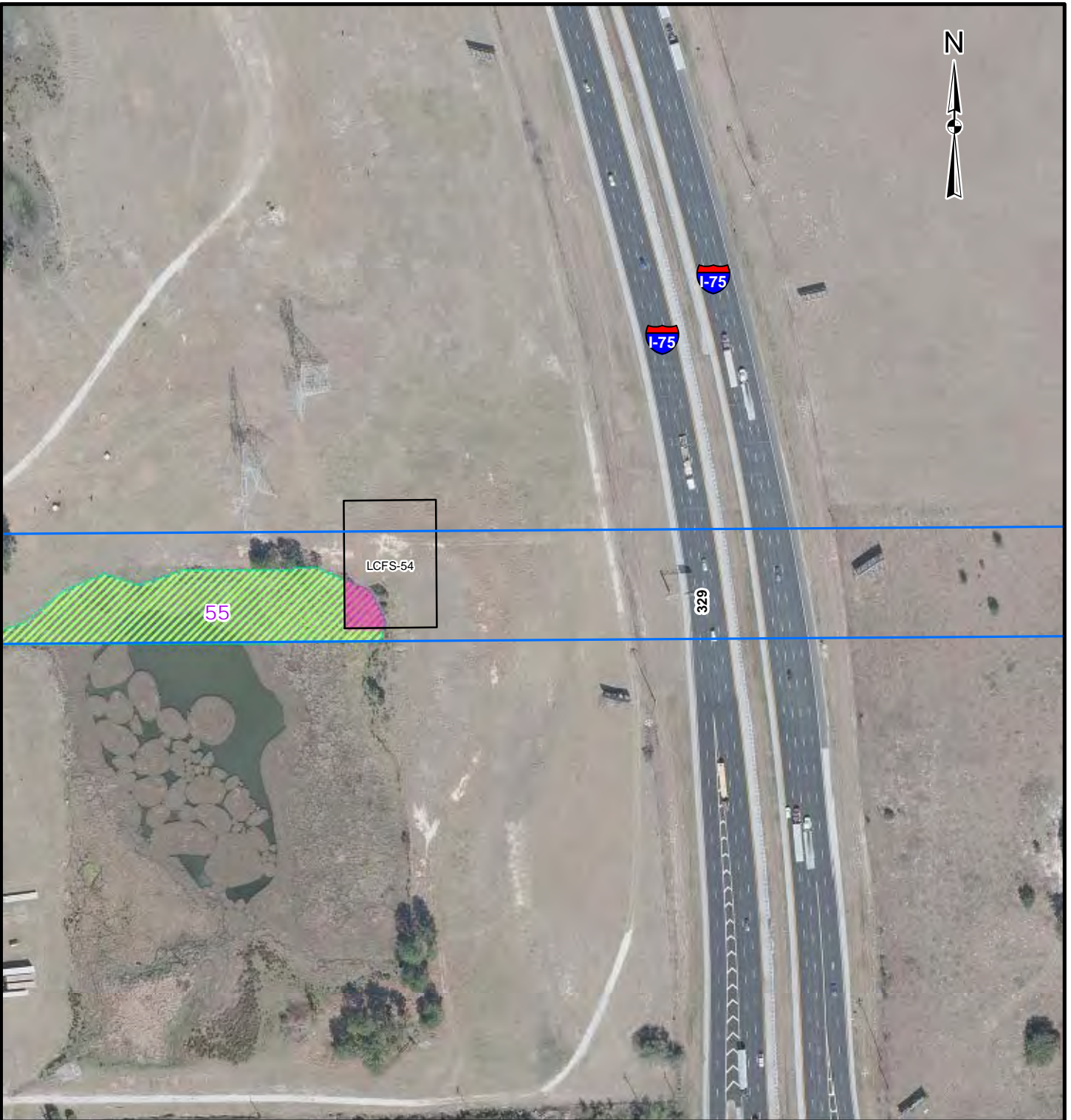
LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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FIGURE
135 of 180

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LEGEND

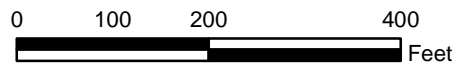
- LCFS Right-of-Way
- LCFS Pad Locations
- Structure Pad Wetland Fill Impacts
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
136 of 180

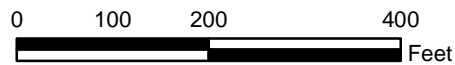
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LEGEND

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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LEGEND

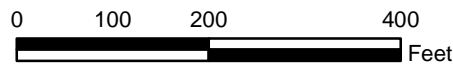
- LCFS Right-of-Way
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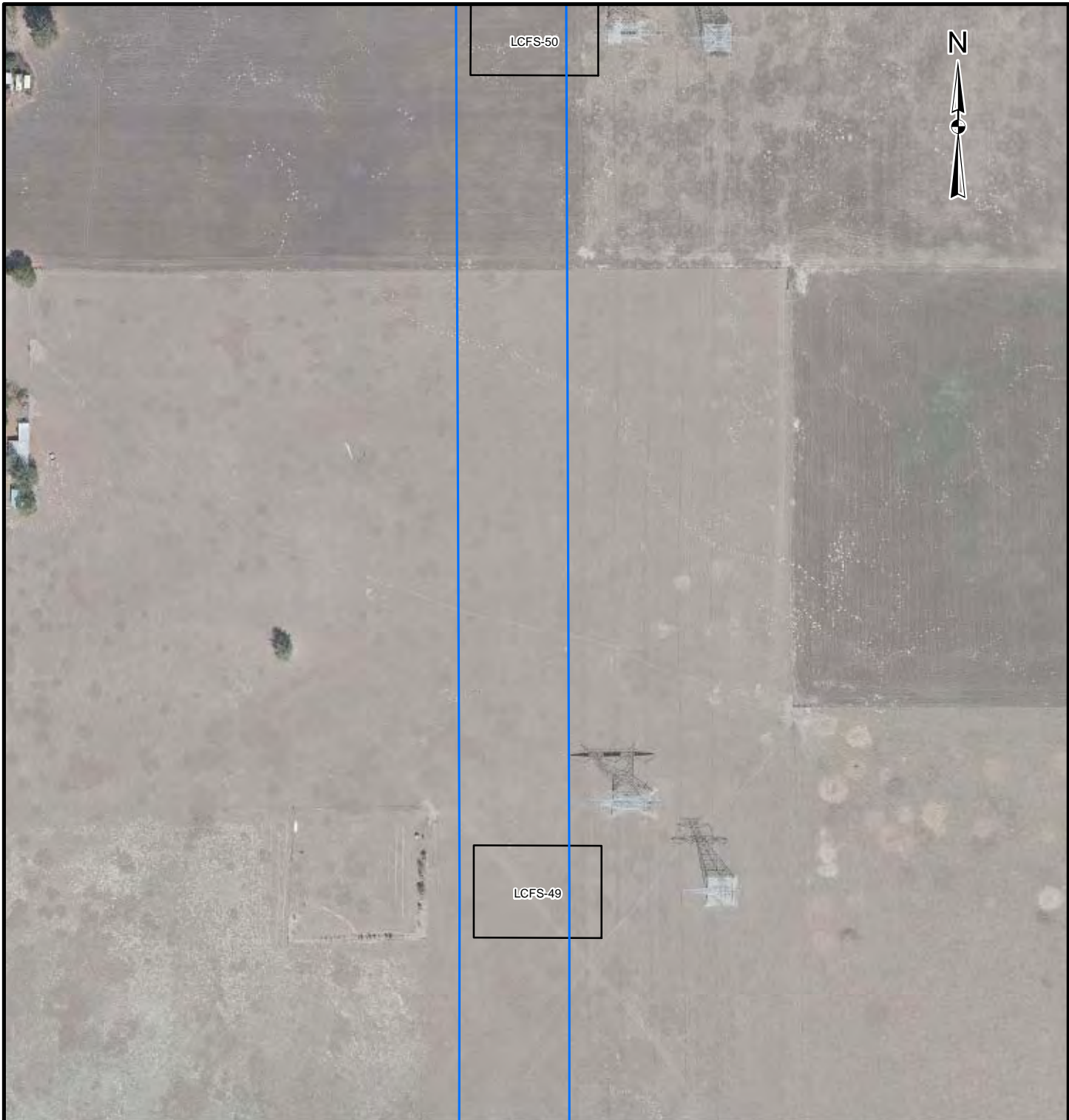
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**LEVY - CENTRAL FLORIDA SOUTH (LCFS)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
138 of 180

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LEGEND

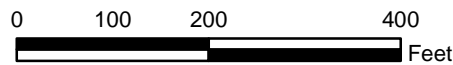
- LCFS Right-of-Way
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 139 of 180



COUNTY ROAD 232A

LCFS-48

SR-4A

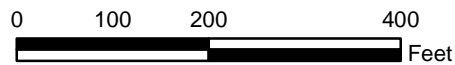
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Rd-9A

SR-4A

LEGEND

- LCFS Right-of-Way
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- Structure Pad Wetland Fill Impacts
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**LEVY - CENTRAL FLORIDA SOUTH (LCFS)
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PROGRESS ENERGY FLORIDA
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FIGURE
140 of 180

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LEGEND

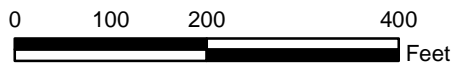
- LCFS Right-of-Way
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LEVY - CENTRAL FLORIDA SOUTH (LCFS)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

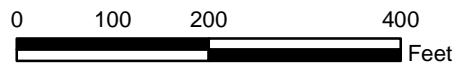
FIGURE
141 of 180

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LEGEND

- LCFS Right-of-Way
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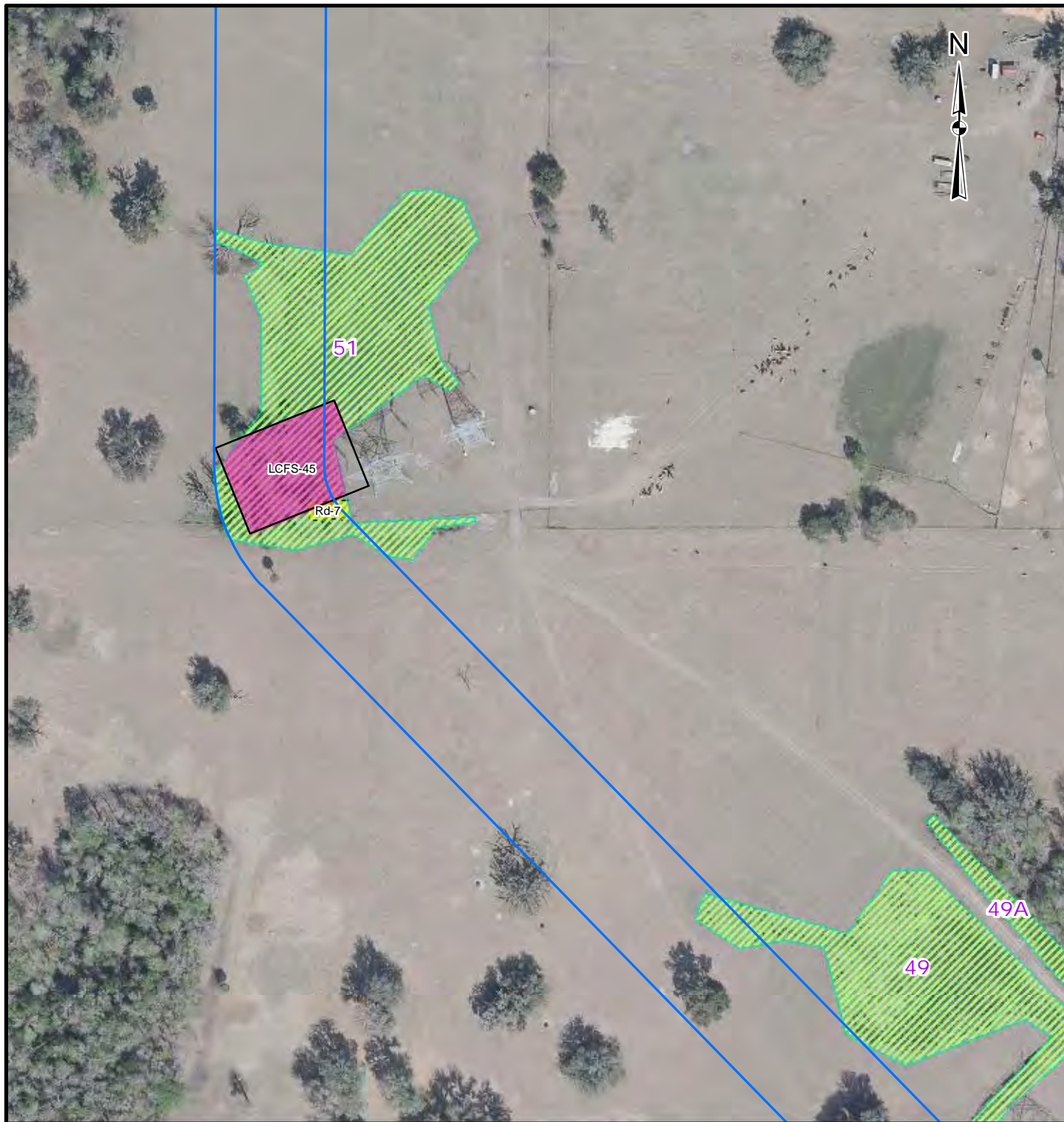
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
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FIGURE
142 of 180

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LEGEND

- LCFS Right-of-Way
- Substation Property
- LCFS Pad Locations
- Forested Wetland Clearing Impacts
- Structure Pad Wetland Fill Impacts
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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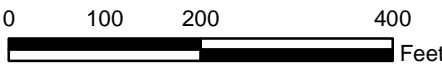
LEGEND

- LCFS Right-of-Way
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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Map Document: 09389547Z002_Rev1_LCFS.mxd / Modified 2/17/2010 4:26:06 PM / Plotted 2/18/2010 4:19:38 PM by tiamar



LEGEND

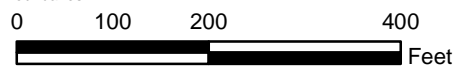
- LCFS Right-of-Way
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NOTES

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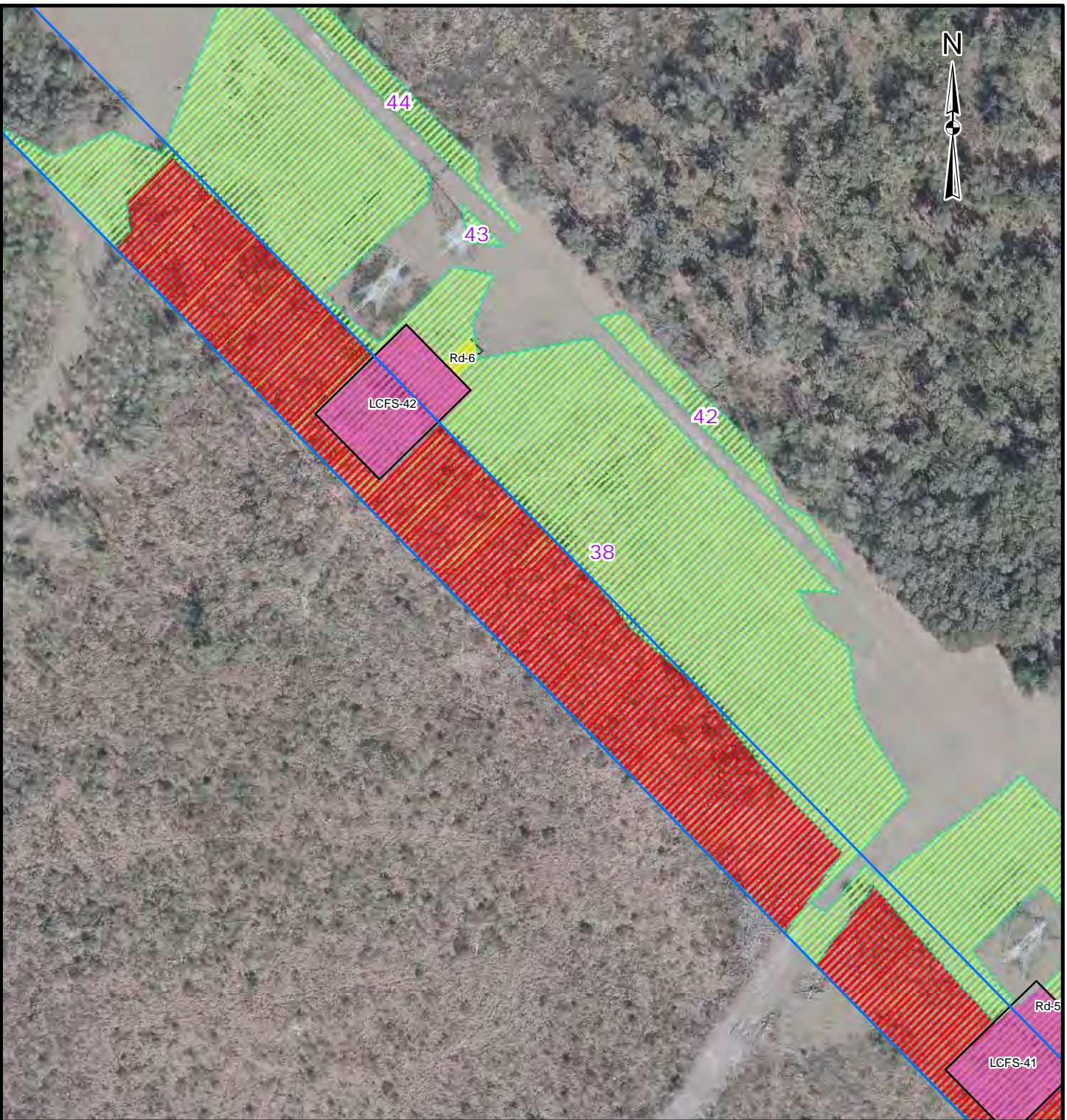

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 145 of 180
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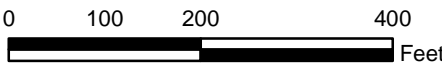
LEGEND

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REV.	1

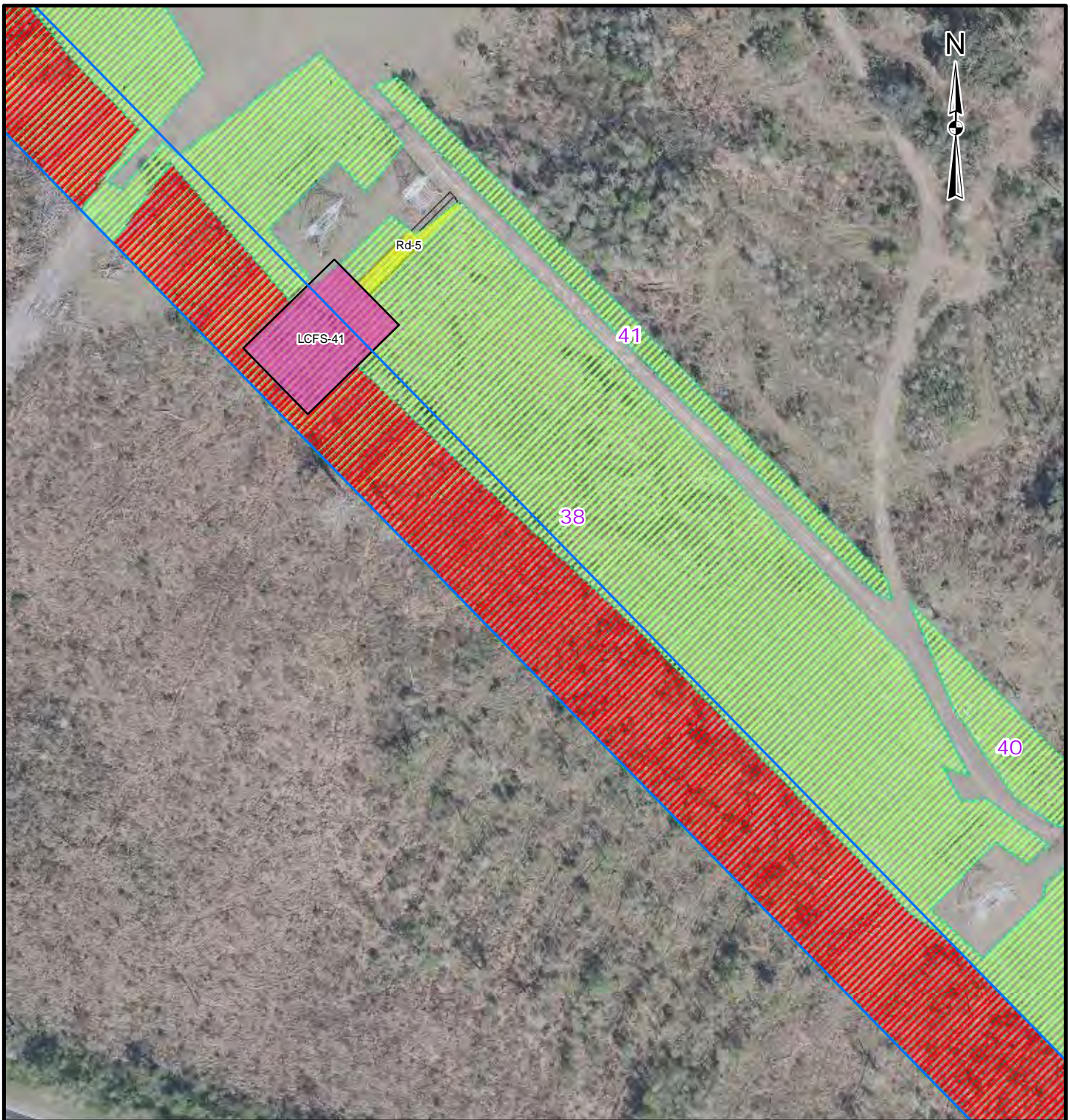
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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LEGEND

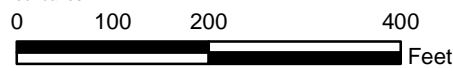
- LCFS Right-of-Way
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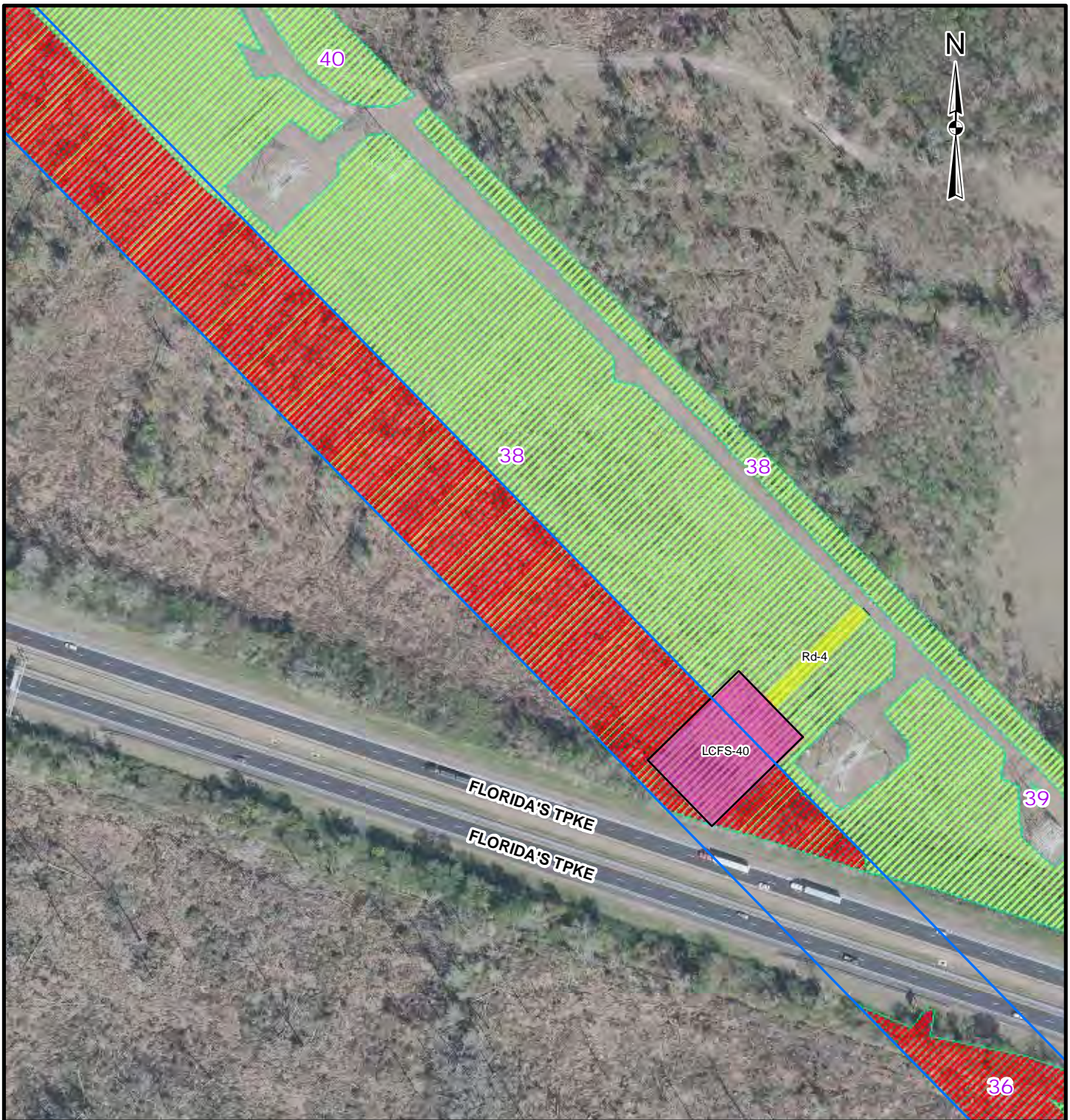
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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LEGEND

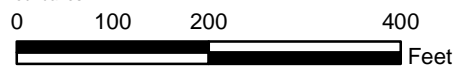
- LCFS Right-of-Way
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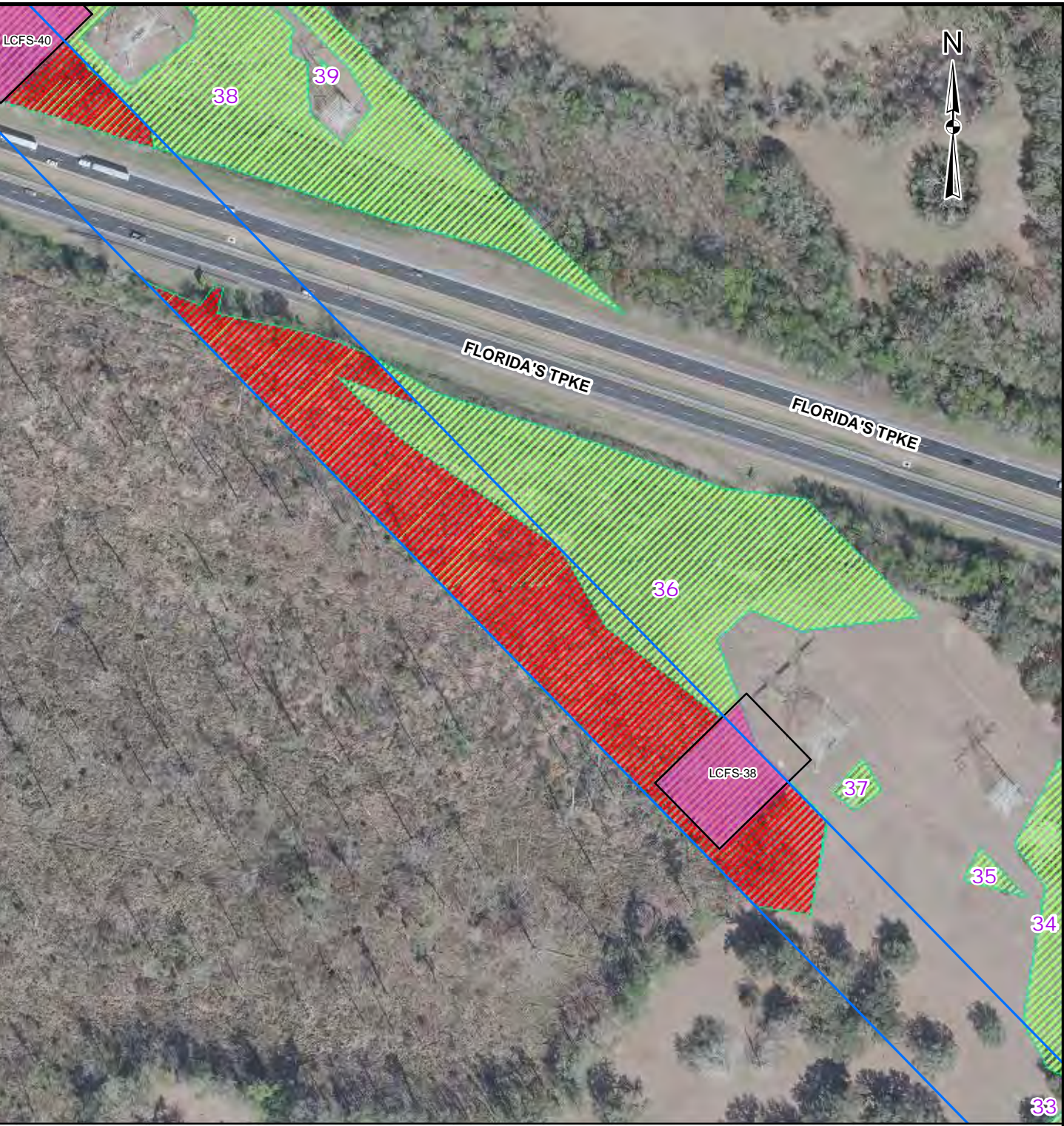
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
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FIGURE
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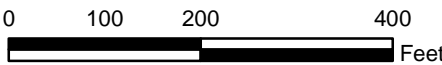
LEGEND

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

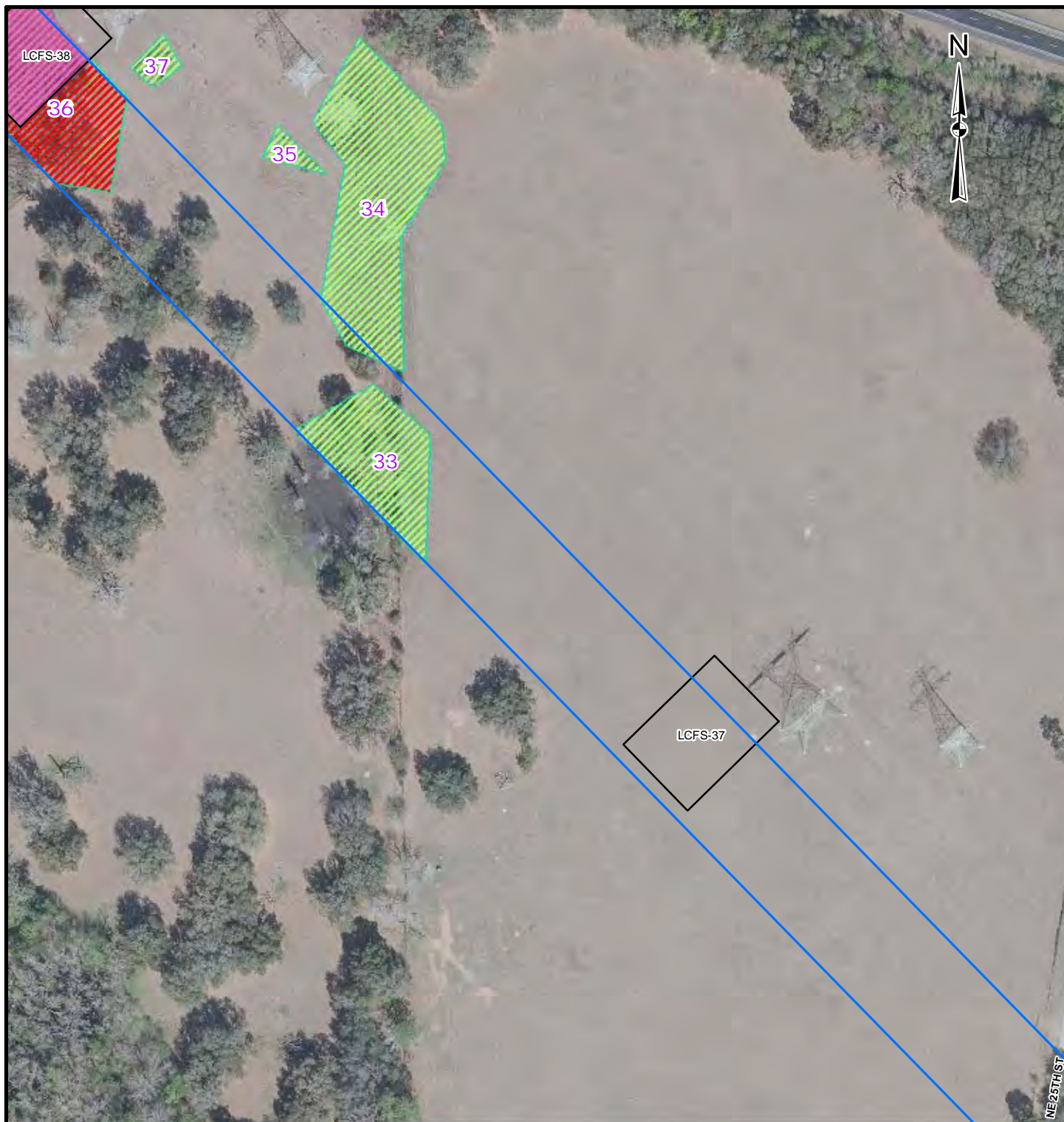
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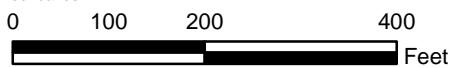
- LCFS Right-of-Way
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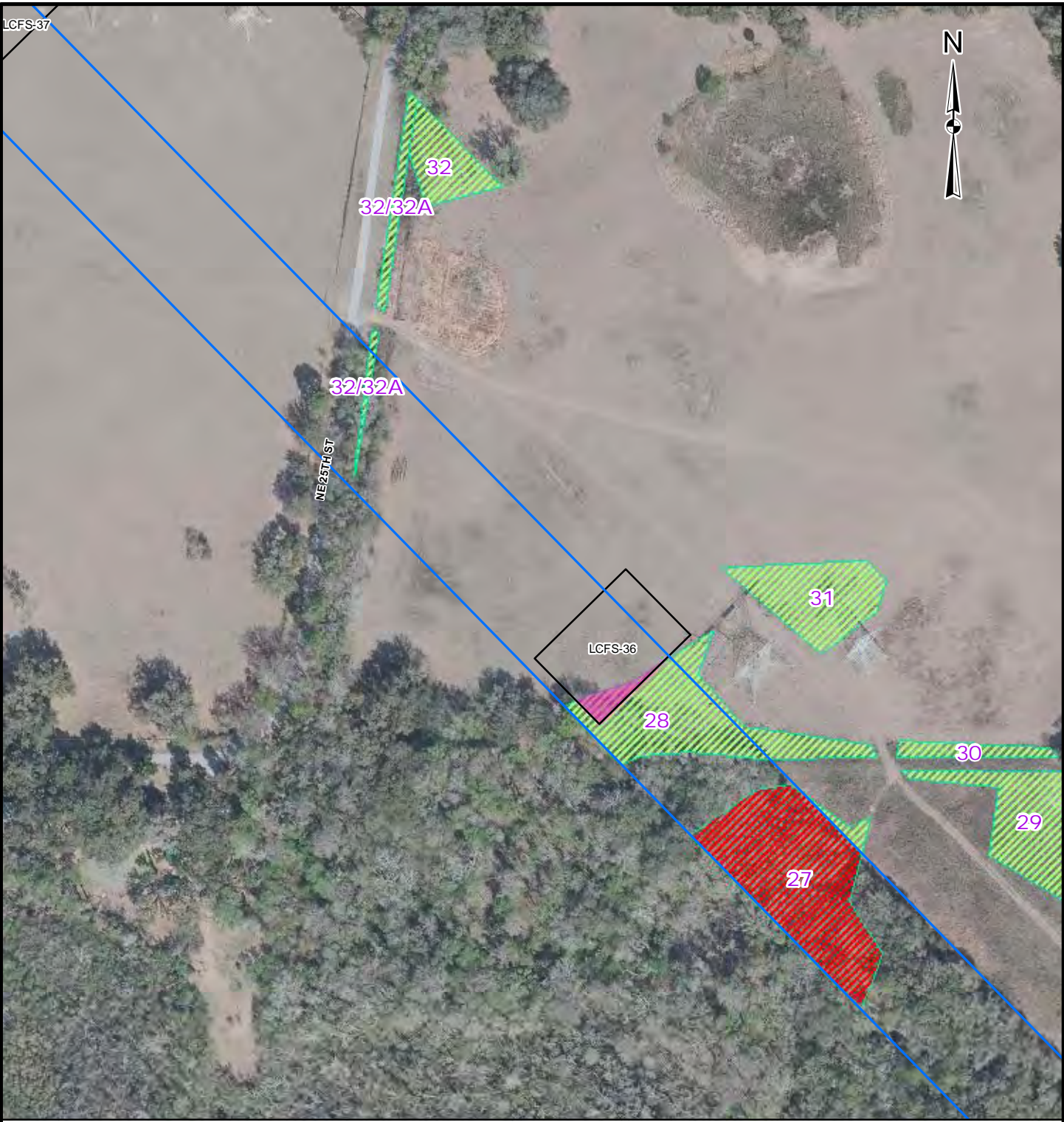
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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LEGEND

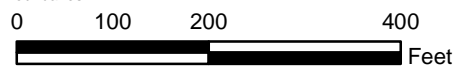
-  LCFS Right-of-Way
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LEGEND

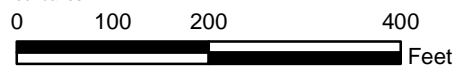
- LCFS Right-of-Way
- LCFS Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- LCFS Access Roads
- Substation Property
- Forested Wetland Clearing Impacts
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NOTES

See wetland survey for acreage of wetlands.
For impact acreages see attached tables.



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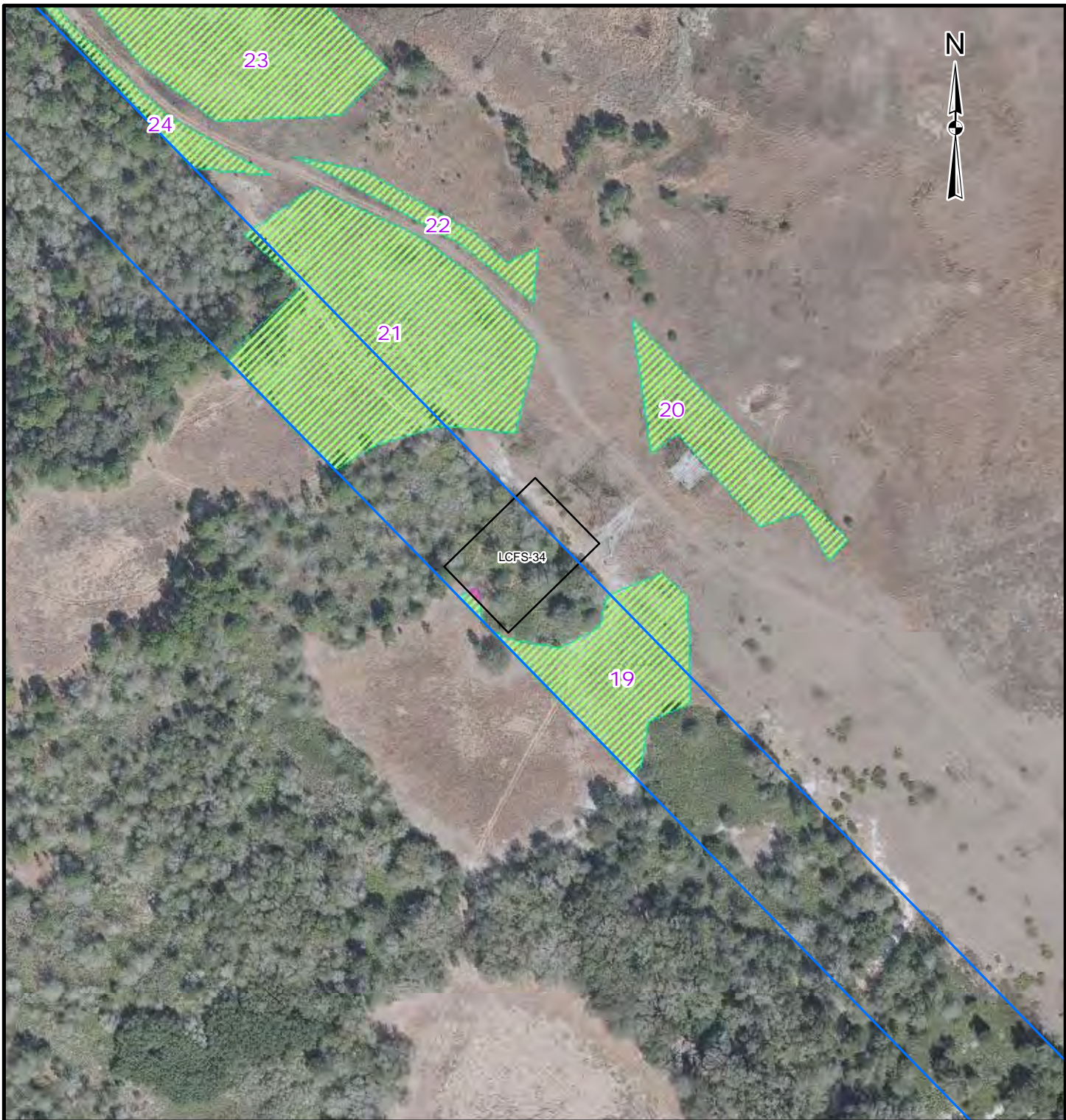
FILE No.	09389547Z002	
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SCALE	AS SHOWN
DATE	2/18/2010
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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LEGEND

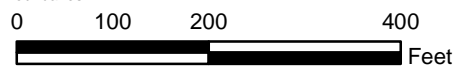
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
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LEGEND

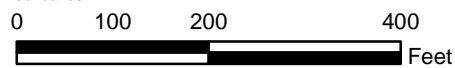
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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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LEGEND

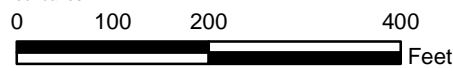
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 155 of 180
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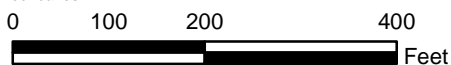
- LCFS Right-of-Way
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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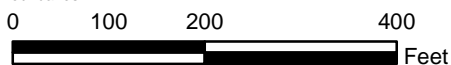
-  LCFS Right-of-Way
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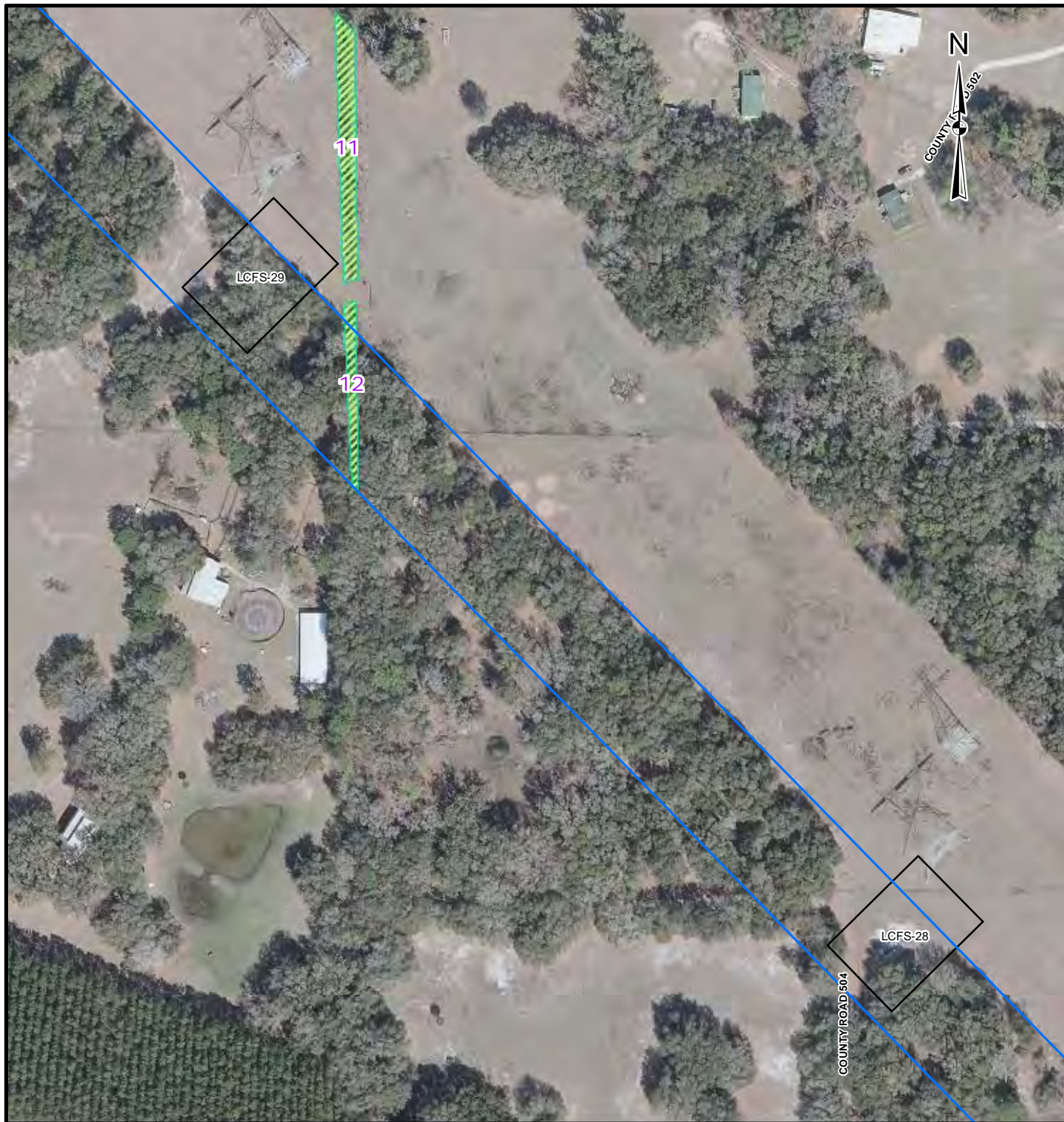
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
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FIGURE 157 of 180

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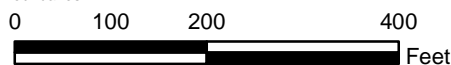
-  LCFS Right-of-Way
-  LCFS Pad Locations
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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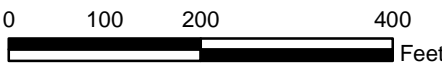
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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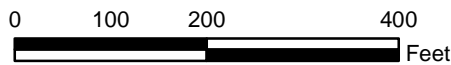
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Gainesville, Florida

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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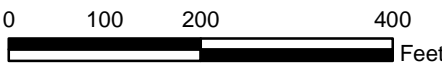
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Golder Associates
Gainesville, Florida

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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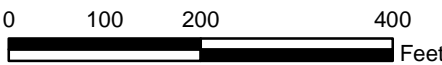


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<p>Golder Associates Gainesville, Florida</p>	SCALE	AS SHOWN	
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**LEVY - CENTRAL FLORIDA SOUTH (LCFS)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 163 of 180
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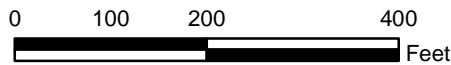
- LCFS Right-of-Way
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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LEGEND

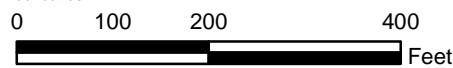
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PROGRESS ENERGY FLORIDA
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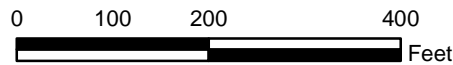
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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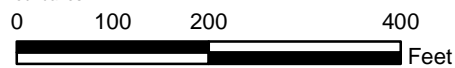


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<h2>LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS</h2>
PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT
FIGURE 167 of 180

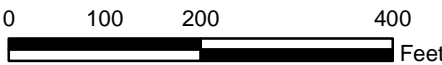


LEGEND

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PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 168 of 180
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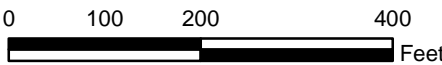


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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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LEGEND

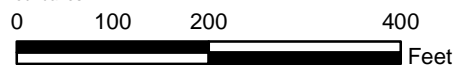
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

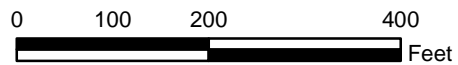
FIGURE
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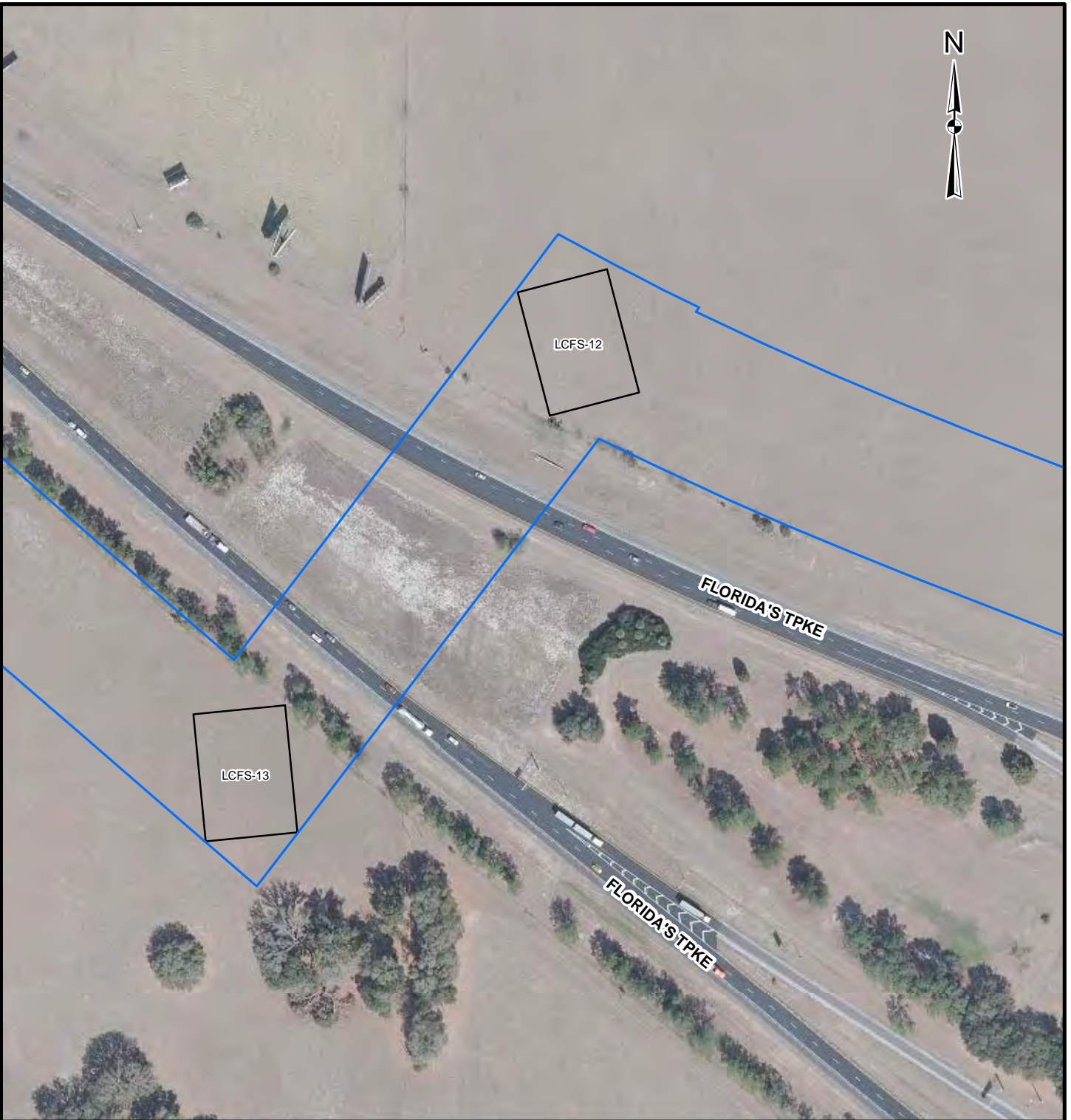
FILE No.	09389547Z002	
PROJECT No.	093-89547	REV. 1

SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
171 of 180



Map Document: 09389547Z002_Rev1_LCFS.mxd / Modified 2/17/2010 4:26:06 PM / Plotted 2/18/2010 4:19:38 PM by tiamar

LEGEND

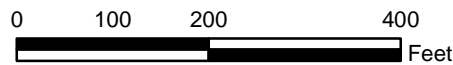
- LCFS Right-of-Way
- LCFS Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- LCFS Access Roads
- Substation Property
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries

REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

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Golder Associates
Gainesville, Florida

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PROJECT No.	093-89547	REV. 1

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REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
172 of 180



LEGEND

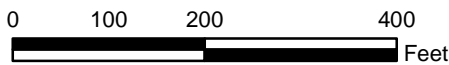
- LCFS Right-of-Way
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- Access Roads Wetland Impact Areas
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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z002
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
173 of 180

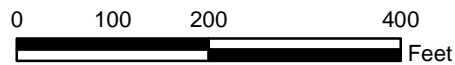


LEGEND

- LCFS Right-of-Way
- LCFS Pad Locations
- Structure Pad Wetland Fill Impacts
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NOTES

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Golder Associates
Gainesville, Florida

FILE No.	09389547Z002	
PROJECT No.	093-89547	REV. 1

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CHECK	SR
REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 174 of 180
--	-----------------------------



LEGEND

-  LCFS Right-of-Way
-  LCFS Pad Locations
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  LCFS Access Roads
-  Substation Property
-  Forested Wetland Clearing Impacts
-  Surveyed Wetland Boundaries

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CHECK	SR
REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z002
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
175 of 180

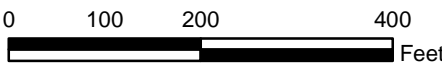


LEGEND

- LCFS Right-of-Way
- LCFS Pad Locations
- Structure Pad Wetland Fill Impacts
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Golder Associates
Gainesville, Florida

FILE No.	09389547Z002	
PROJECT No.	093-89547	REV. 1

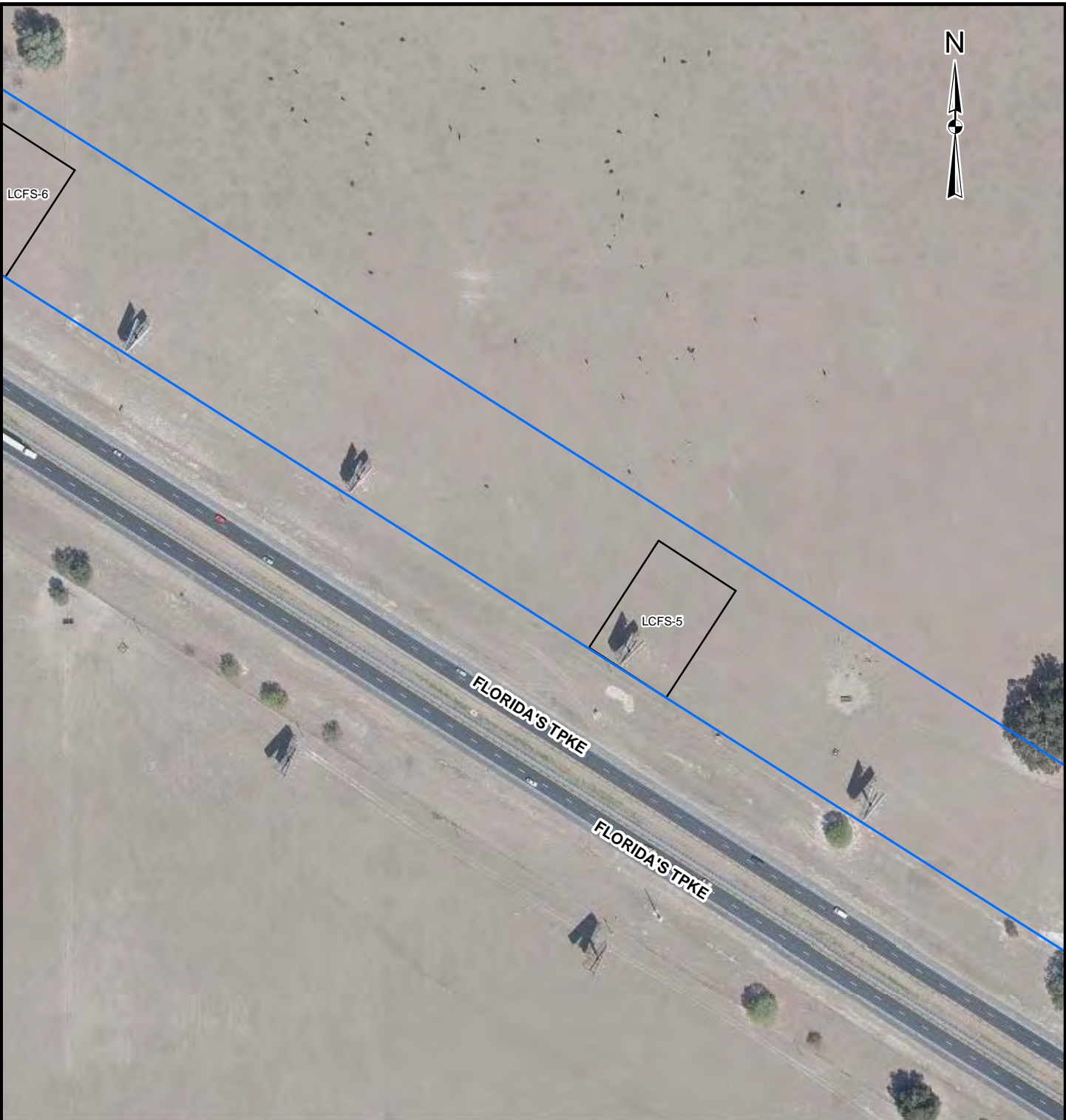
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GIS	NRL
CHECK	SR
REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

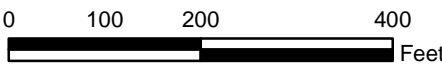
FIGURE
176 of 180

Map Document: 09389547Z002_Rev1_LCFS.mxd / Modified 2/17/2010 4:26:06 PM / Plotted 2/18/2010 4:19:38 PM by riamar



LEGEND

- LCFS Right-of-Way
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GIS	NRL
CHECK	SR
REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z002	
PROJECT No.	093-89547	REV. 1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
177 of 180

Map Document: 09389547Z002_Rev1_LCFS.mxd / Modified 2/17/2010 4:26:06 PM / Plotted 2/18/2010 4:19:38 PM by tiamar



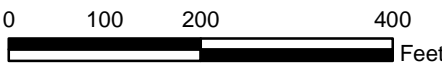
LEGEND

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Golder Associates
 Gainesville, Florida

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PROJECT No.	093-89547	REVIEW	KAB
	REV. 1		

SCALE	AS SHOWN
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DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
 LEVY BASELOAD PROJECT

FIGURE
178 of 180

Map Document: 09389547Z002_Rev1_LCFS.mxd / Modified 2/17/2010 4:26:06 PM / Plotted 2/18/2010 4:19:38 PM by riamar

Map Document: 09389547Z002_Rev1_LCFS.mxd / Modified 2/17/2010 4:26:06 PM / Plotted 2/18/2010 4:19:38 PM by riamar



LEGEND

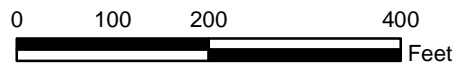
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Golder Associates
Gainesville, Florida

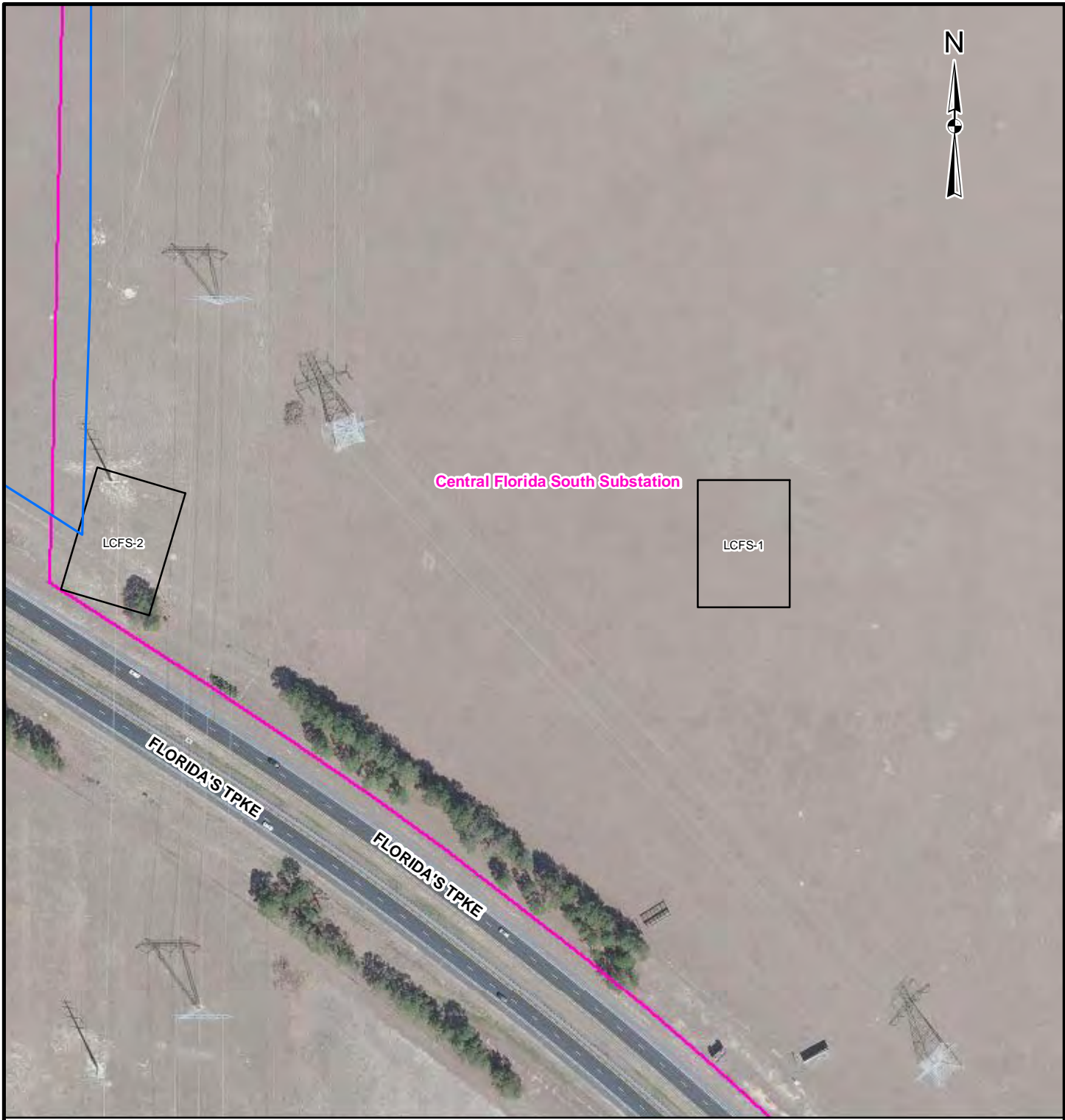
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PROJECT No.	093-89547
REV.	1

SCALE	AS SHOWN
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DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
179 of 180



Central Florida South Substation

LCFS-2

LCFS-1

FLORIDA'S TPKE

FLORIDA'S TPKE

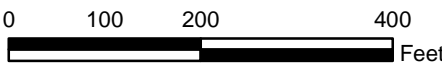
LEGEND

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LEVY - CENTRAL FLORIDA SOUTH (LCFS) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
180 of 180

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**Progress Energy Florida
Levy Baseload Project
LCFS Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
LCFS-32	17	630	Wetland Forested Mixed	0.08	0.50	0.73	0.06	0.37
	17	641	Freshwater Marshes	0.42		0.73	0.31	
LCFS-34	19	643	Wet Prairies	0.00*	0.00*	0.73	0.00*	0.00*
LCFS-36	28	641	Freshwater Marshes	0.06	0.06	0.60	0.04	0.04
	28	511	Ditches	0.00*		0.50	0.00*	
LCFS-38	36	630	Wetland Forested Mixed	0.41	0.43	0.73	0.30	0.31
	36	641	Freshwater Marshes	0.02		0.73	0.01	
LCFS-40	38	641	Freshwater Marshes	0.12	0.53	0.67	0.08	0.38
	38	630	Wetland Forested Mixed	0.41		0.73	0.30	
LCFS-41	38	641	Freshwater Marshes	0.25	0.53	0.67	0.17	0.37
	38	630	Wetland Forested Mixed	0.28		0.73	0.20	
LCFS-42	38	641	Freshwater Marshes	0.18	0.54	0.67	0.12	0.38
	38	630	Wetland Forested Mixed	0.36		0.73	0.26	
LCFS-43	45	630	Wetland Forested Mixed	0.12	0.21	0.73	0.09	0.15
	45	641	Freshwater Marshes	0.09		0.67	0.06	
LCFS-44	50	641	Freshwater Marshes	0.00*	0.01	0.57	0.00*	0.01
	48	641	Freshwater Marshes	0.01		0.57	0.01	
LCFS-45	51	641	Freshwater Marshes	0.47	0.47	0.67	0.31	0.31
LCFS-47	54	643	Wet Prairies	0.53	0.53	0.63	0.33	0.33

**Progress Energy Florida
Levy Baseload Project
LCFS Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
LCFS-54	55	641	Freshwater Marshes	0.07	0.07	0.60	0.04	0.04
LCFS-55	58	641	Freshwater Marshes	0.08	0.11	0.73	0.06	0.08
	58	511	Ditches	0.03		0.60	0.02	
LCFS-110	X	643	Wet Prairies	0.00*	0.11	0.63	0.00*	0.07
	Y	511	Ditches	0.07		0.57	0.04	
	Y	625	Hydric Pine Flatwoods	0.04		0.67	0.03	
LCFS-111	W	643	Wet Prairies	0.05	0.05	0.63	0.03	0.03
LCFS-140	K	641	Freshwater Marshes	0.47	0.47	0.80	0.38	0.38
LCFS-141	K	641	Freshwater Marshes	0.33	0.33	0.80	0.26	0.26
LCFS-151	I	641	Freshwater Marshes	0.01	0.01	0.60	0.01	0.01
LCFS-198	D	643	Wet Prairies	0.14	0.14	0.63	0.09	0.09
LCFS-199	B	643	Wet Prairies	0.02	0.02	0.53	0.01	0.01
Totals					5.12			3.62

* Impact Acreage or Mitigation Credits < 0.005

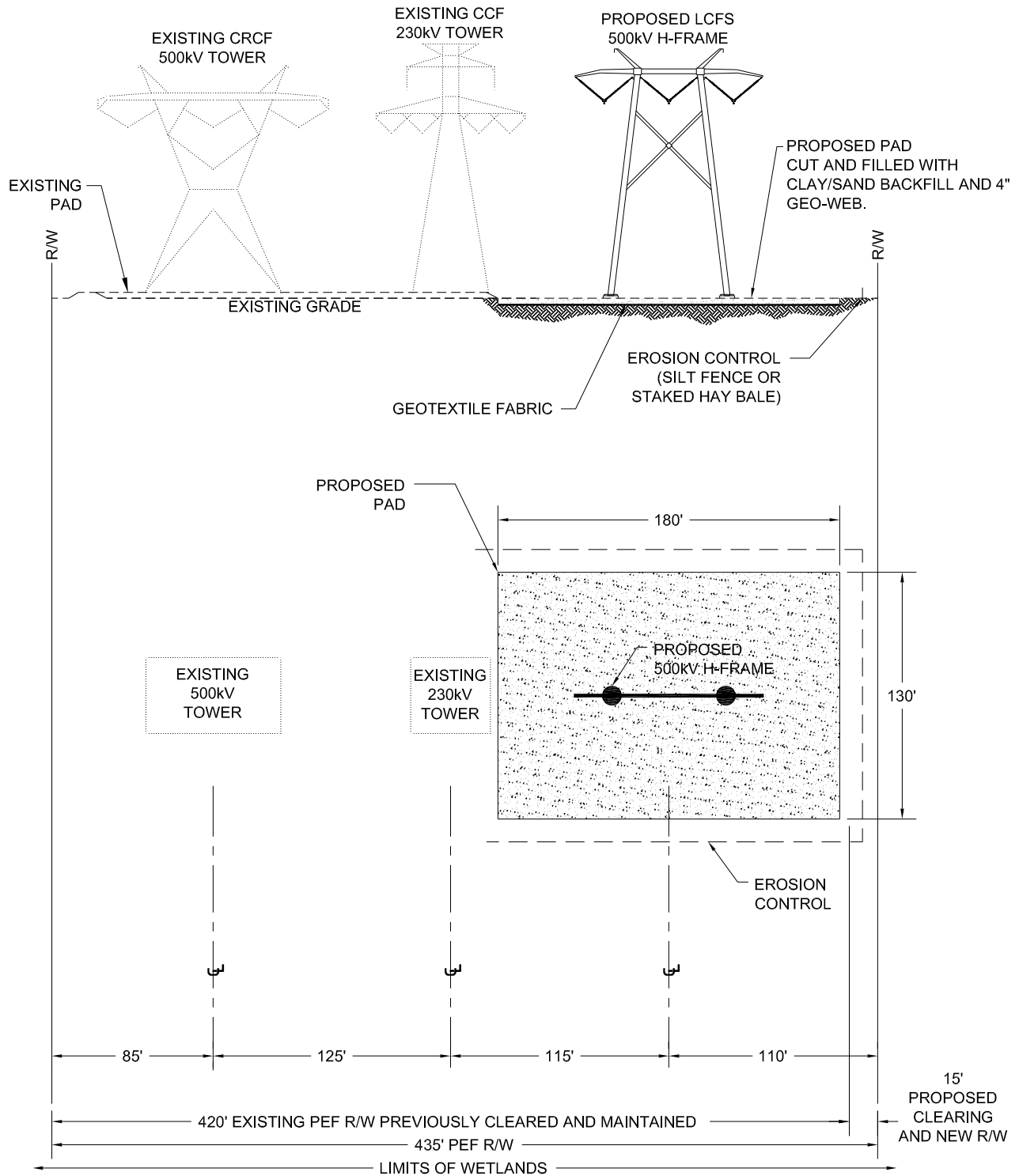
**Progress Energy Florida
Levy Baseload Project
LCFS Access Roads Wetland Impacts**

Access Road ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
Rd-1	5/6	511	Ditches	0.02	0.18	0.50	0.01	0.09
	5/6	643	Wet Prairies	0.16		0.53	0.08	
Rd-2	7	630	Wetland Forested Mixed	0.16	0.16	0.73	0.12	0.12
Rd-3	16	641	Freshwater Marshes	0.00*	0.00*	0.73	0.00*	0.00*
	16	643	Wet Prairies	0.00*		0.73	0.00*	
Rd-4	38	641	Freshwater Marshes	0.10	0.10	0.67	0.07	0.07
Rd-5	38	641	Freshwater Marshes	0.08	0.08	0.67	0.05	0.05
Rd-6	38	641	Freshwater Marshes	0.03	0.03	0.67	0.02	0.02
Rd-7	51	641	Freshwater Marshes	0.03	0.03	0.67	0.02	0.02
Rd-9	54	643	Wet Prairies	0.03	0.03	0.63	0.02	0.02
Rd-10	K	641	Freshwater Marshes	0.20	0.20	0.80	0.16	0.16
Rd-11	K	641	Freshwater Marshes	0.70	0.70	0.80	0.56	0.56
Rd-12	K	641	Freshwater Marshes	0.32	0.32	0.80	0.26	0.26
Rd-9A	54	643	Wet Prairies	0.01	0.03	0.63	0.01	0.02
	54	511	Ditches	0.02		0.60	0.01	
	54	641	Freshwater Marshes	0.00*		0.67	0.00*	
Totals						1.86		1.39

* Impact Acreage or Mitigation Credits < 0.005

**Progress Energy Florida
Levy Baseload Project
LCFS Forested Wetland Clearing Impacts**

Wetland ID	FLUCFCS Code	FLUCFCS Definition	Clearing Impact Acreage	Total Clearing Impact Acreage	UMAM	Functional Loss / Acre (UMAM)	Mitigation Credits	Total Mitigation Credits
7	630	Wetland Forested Mixed	1.26	1.26	0.73	0.30	0.38	0.38
16	630	Wetland Forested Mixed	1.35	1.35	0.73	0.30	0.41	0.41
17	630	Wetland Forested Mixed	1.12	1.12	0.73	0.30	0.34	0.34
27	630	Wetland Forested Mixed	0.91	0.91	0.73	0.30	0.27	0.27
36	630	Wetland Forested Mixed	3.15	3.15	0.73	0.30	0.95	0.95
38	630	Wetland Forested Mixed	12.74	12.74	0.73	0.30	3.82	3.82
45	630	Wetland Forested Mixed	1.22	1.22	0.73	0.30	0.37	0.37
66	630	Wetland Forested Mixed	0.92	0.92	0.73	0.30	0.28	0.28
M	630	Wetland Forested Mixed	1.61	1.61	0.83	0.40	0.64	0.64
U	617	Mixed Wetland Hardwoods	0.81	0.81	0.73	0.30	0.24	0.24
Y	625	Hydric Pine Flatwoods	0.18	0.18	0.67	0.30	0.05	0.05
Totals				25.27				7.75



LOOKING TOWARD CITRUS SUBSTATION



TRANSMISSION DESIGN

TYPICAL PAD
DRAWING FOR WETLANDS
LEVY - CENTRAL FLORIDA SOUTH
500kV LINE
BASE LOAD STUDY

10/07/11
DATE

1" = 80'
SCALE

PEI
DRAWN

PEI
TECH

PEI
CHECK

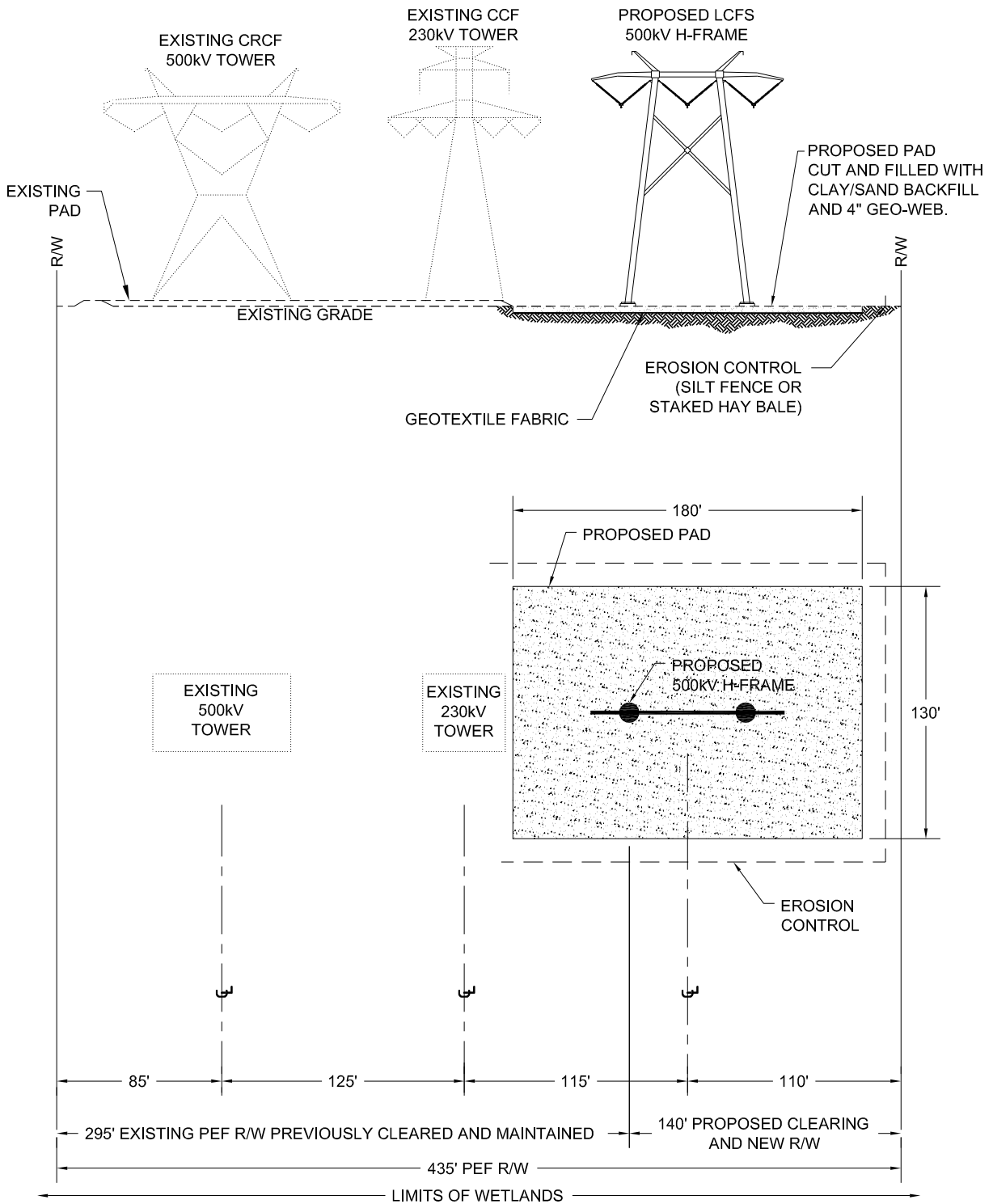
PEI
ENGR

1 OF 1
SHEET

DWG. L1-8

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE
- EXISTING STRUCTURE



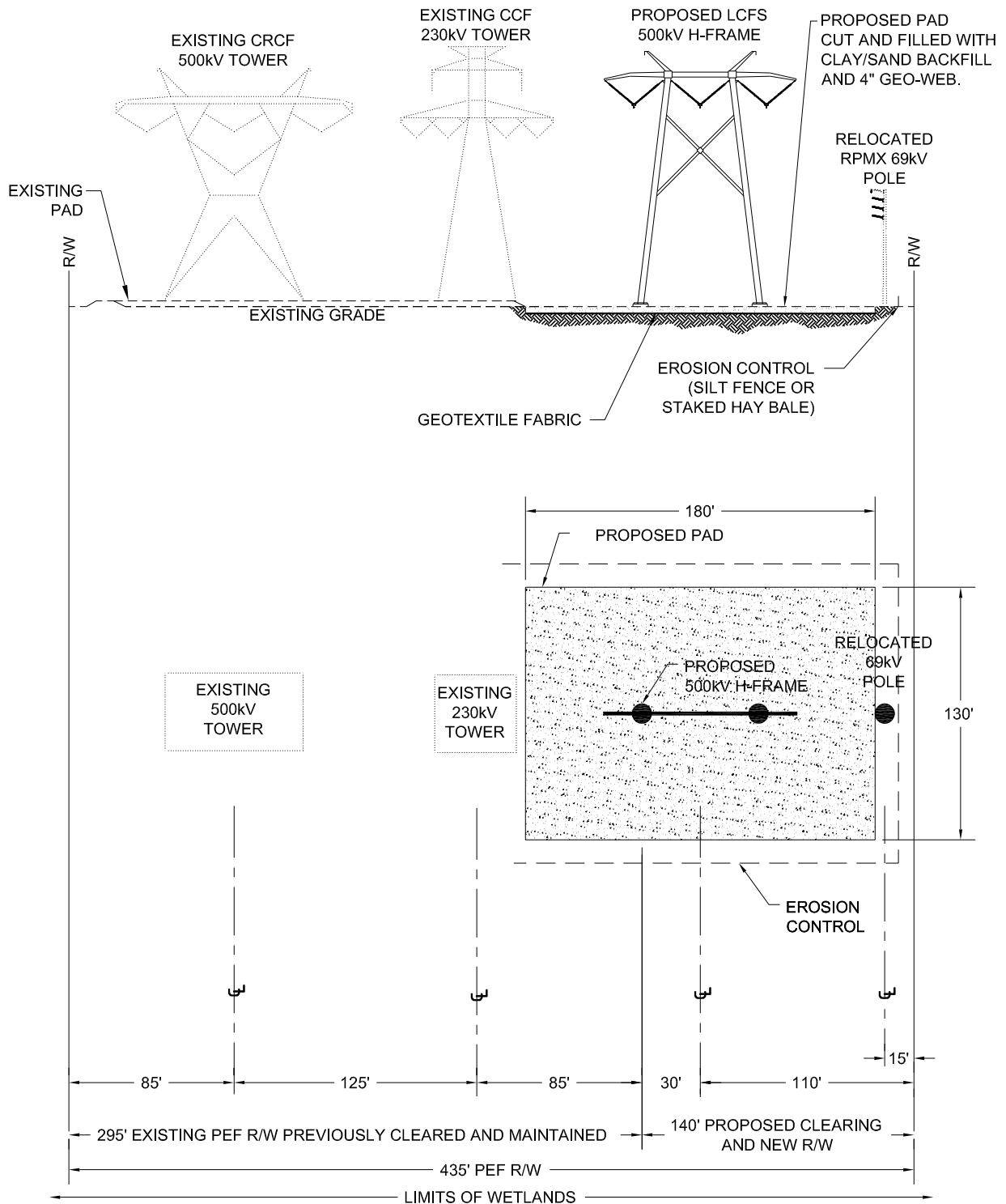
LOOKING TOWARD CITRUS SUBSTATION

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE
- EXISTING STRUCTURE



10/07/11 DATE		1" = 80' SCALE	TRANSMISSION DESIGN
PEI DRAWN	PEI TECH		TYPICAL PAD DRAWING FOR WETLANDS LEVY - CENTRAL FLORIDA SOUTH 500KV LINE BASE LOAD STUDY
PEI CHECK	PEI ENGR		
1 OF 1 SHEET		DWG. L1-9	



LOOKING TOWARD CITRUS SUBSTATION



TRANSMISSION DESIGN

TYPICAL PAD
DRAWING FOR WETLANDS
LEVY - CENTRAL FLORIDA SOUTH
500kV LINE
BASE LOAD STUDY

10/07/11
DATE

1" = 80'
SCALE

PEI
DRAWN

PEI
TECH

PEI
CHECK

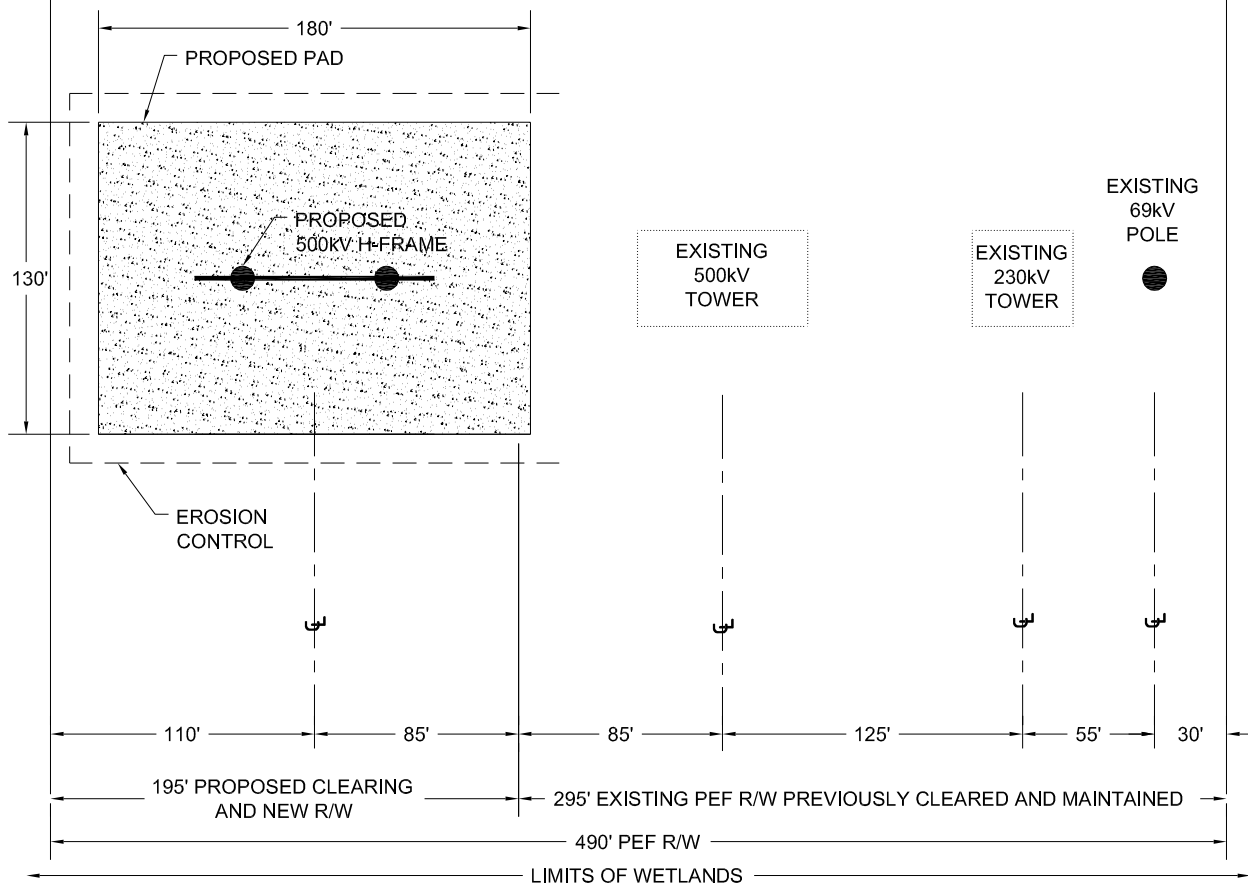
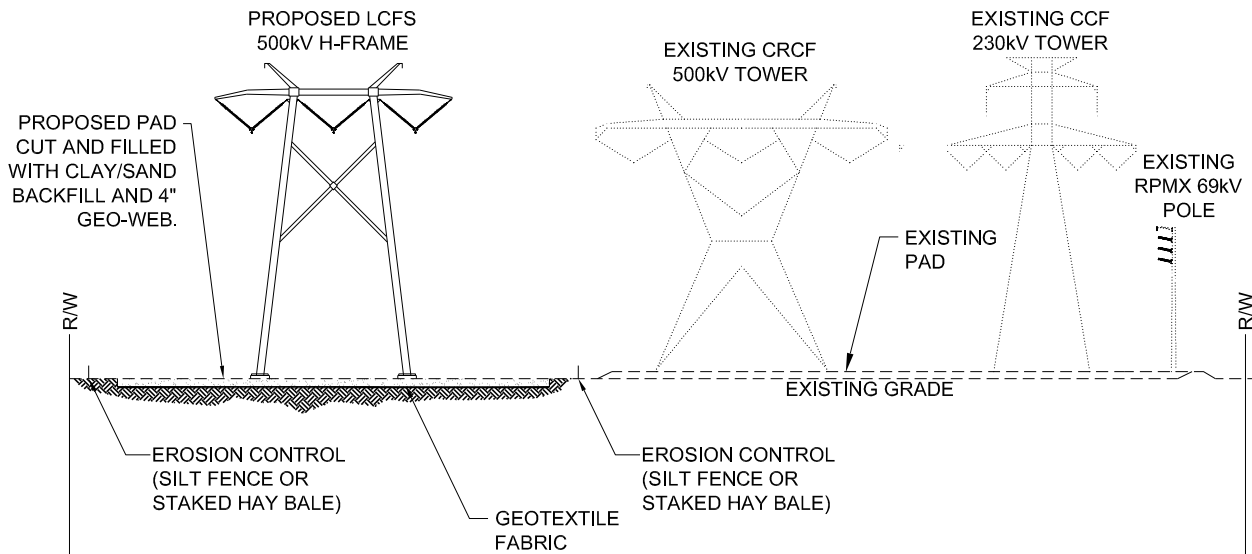
PEI
ENGR

1 OF 1
SHEET

DWG. L1-10

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE
- EXISTING STRUCTURE



LOOKING TOWARD CITRUS SUBSTATION



TRANSMISSION DESIGN

TYPICAL PAD
DRAWING FOR WETLANDS
LEVY - CENTRAL FLORIDA SOUTH
500kV LINE
BASE LOAD STUDY

10/07/11
DATE

1" = 80'
SCALE

PEI
DRAWN

PEI
TECH

PEI
CHECK

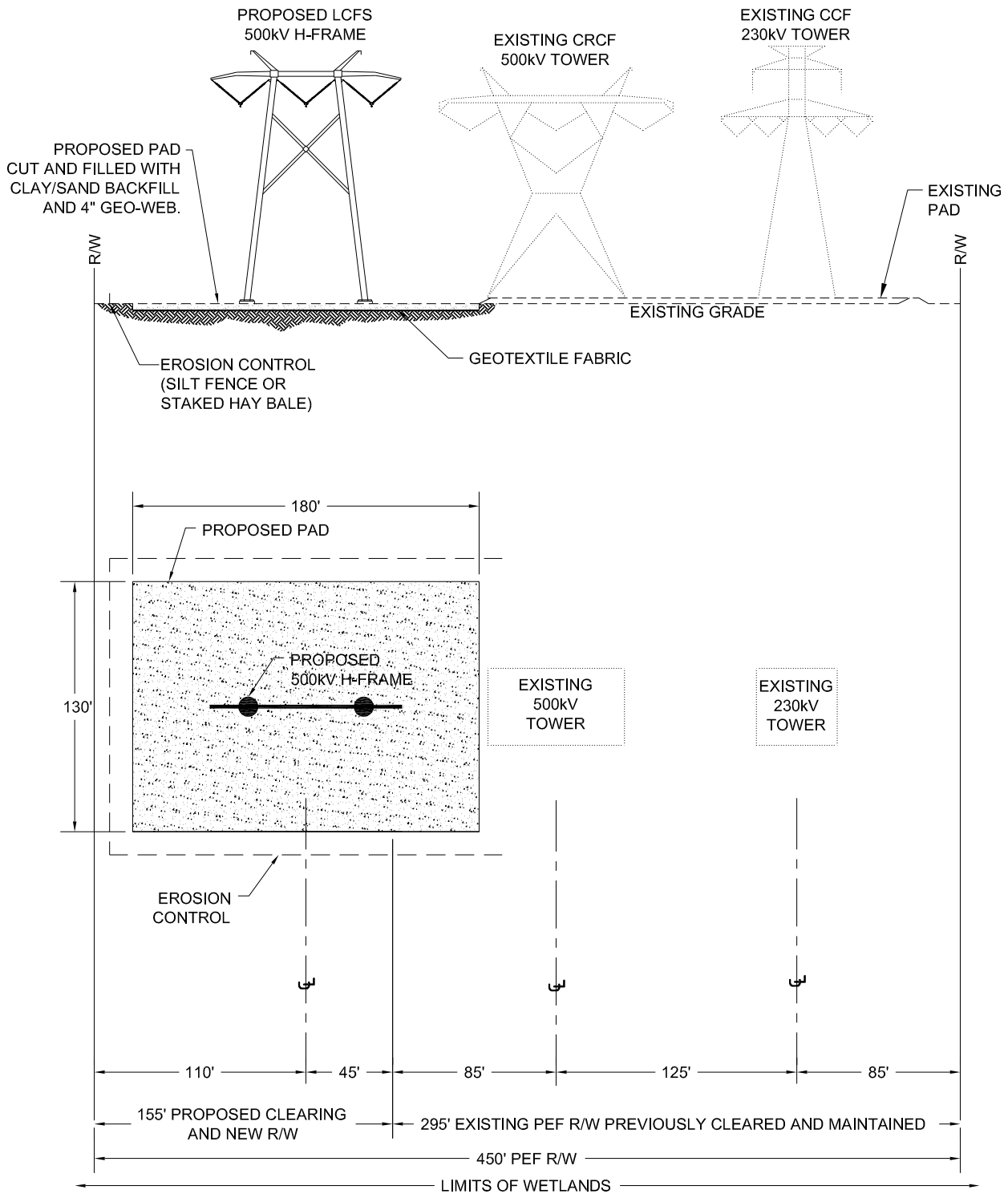
PEI
ENGR

1 OF 1
SHEET

DWG. L1-11

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE
- EXISTING STRUCTURE



LOOKING TOWARD CITRUS SUBSTATION



TRANSMISSION DESIGN

TYPICAL PAD
DRAWING FOR WETLANDS
LEVY - CENTRAL FLORIDA SOUTH
500kV LINE
BASE LOAD STUDY

10/07/11
DATE

1" = 80'
SCALE

PEI
DRAWN

PEI
TECH

PEI
CHECK

PEI
ENGR

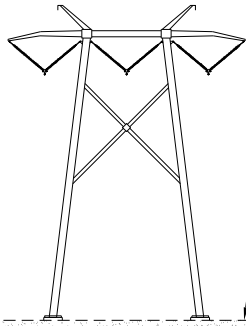
1 OF 1
SHEET

DWG. L1-12

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE
- EXISTING STRUCTURE

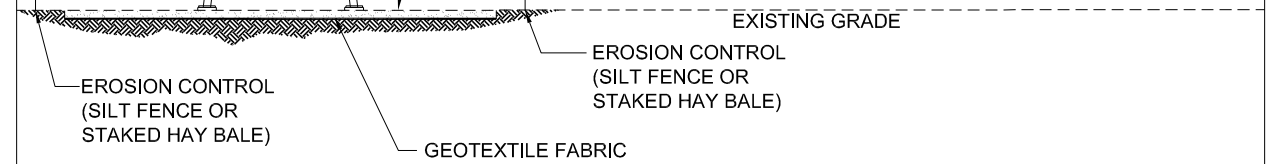
PROPOSED LCFS
500KV H-FRAME



PROPOSED PAD
CUT AND FILLED
WITH CLAY/SAND
BACKFILL AND 4"
GEO-WEB.

R/W

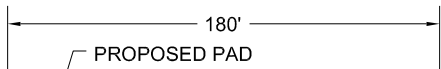
R/W



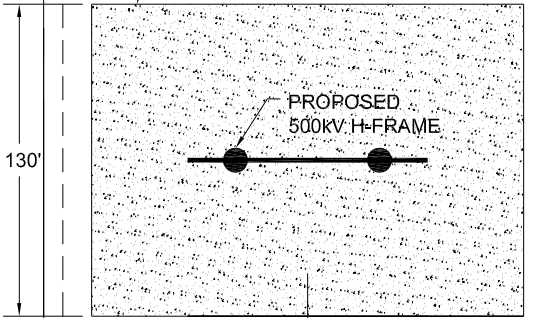
EROSION CONTROL
(SILT FENCE OR
STAKED HAY BALE)

EROSION CONTROL
(SILT FENCE OR
STAKED HAY BALE)

GEOTEXTILE FABRIC



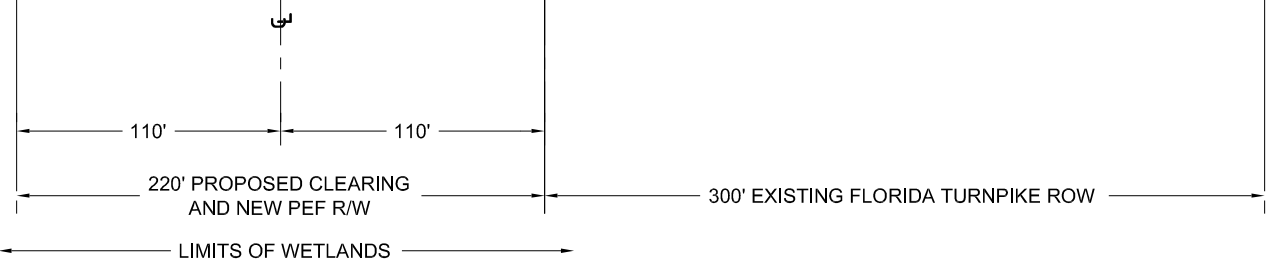
PROPOSED PAD



PROPOSED
500KV H-FRAME

130'

EROSION
CONTROL



110'

110'

220' PROPOSED CLEARING
AND NEW PEF R/W

300' EXISTING FLORIDA TURNPIKE ROW

LIMITS OF WETLANDS

LOOKING TOWARD CITRUS SUBSTATION

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE



10/07/11
DATE

1" = 80'
SCALE

PEI
DRAWN

PEI
TECH

PEI
CHECK

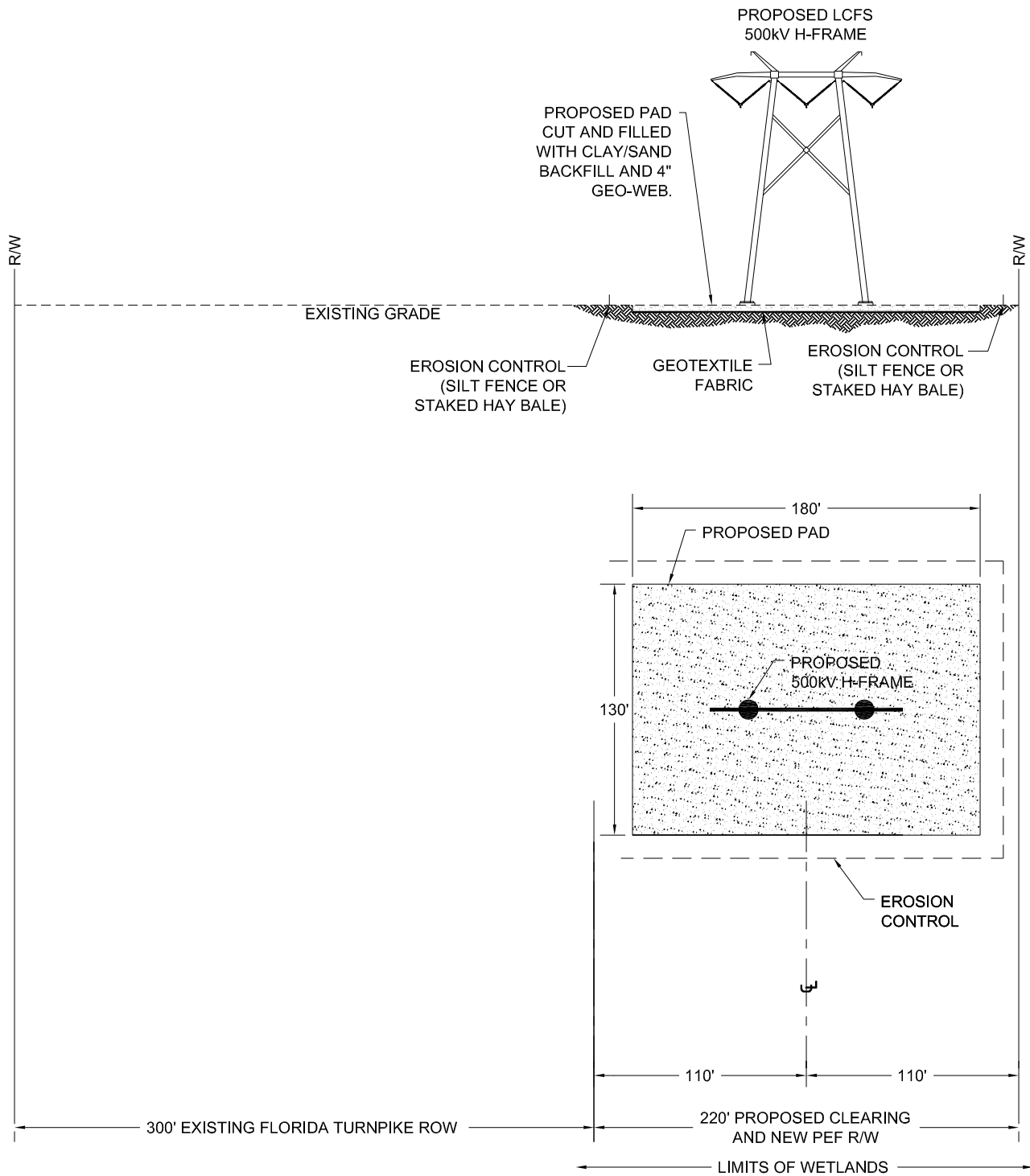
PEI
ENGR

TRANSMISSION DESIGN

TYPICAL PAD
DRAWING FOR WETLANDS
LEVY - CENTRAL FLORIDA SOUTH
500KV LINE
BASE LOAD STUDY

1 OF 1
SHEET

DWG. L1-13



LOOKING TOWARD CITRUS SUBSTATION



TRANSMISSION DESIGN

TYPICAL PAD
DRAWING FOR WETLANDS
LEVY - CENTRAL FLORIDA SOUTH
500KV LINE
BASE LOAD STUDY

10/07/11
DATE

1" = 80'
SCALE

PEI
DRAWN

PEI
TECH

PEI
CHECK

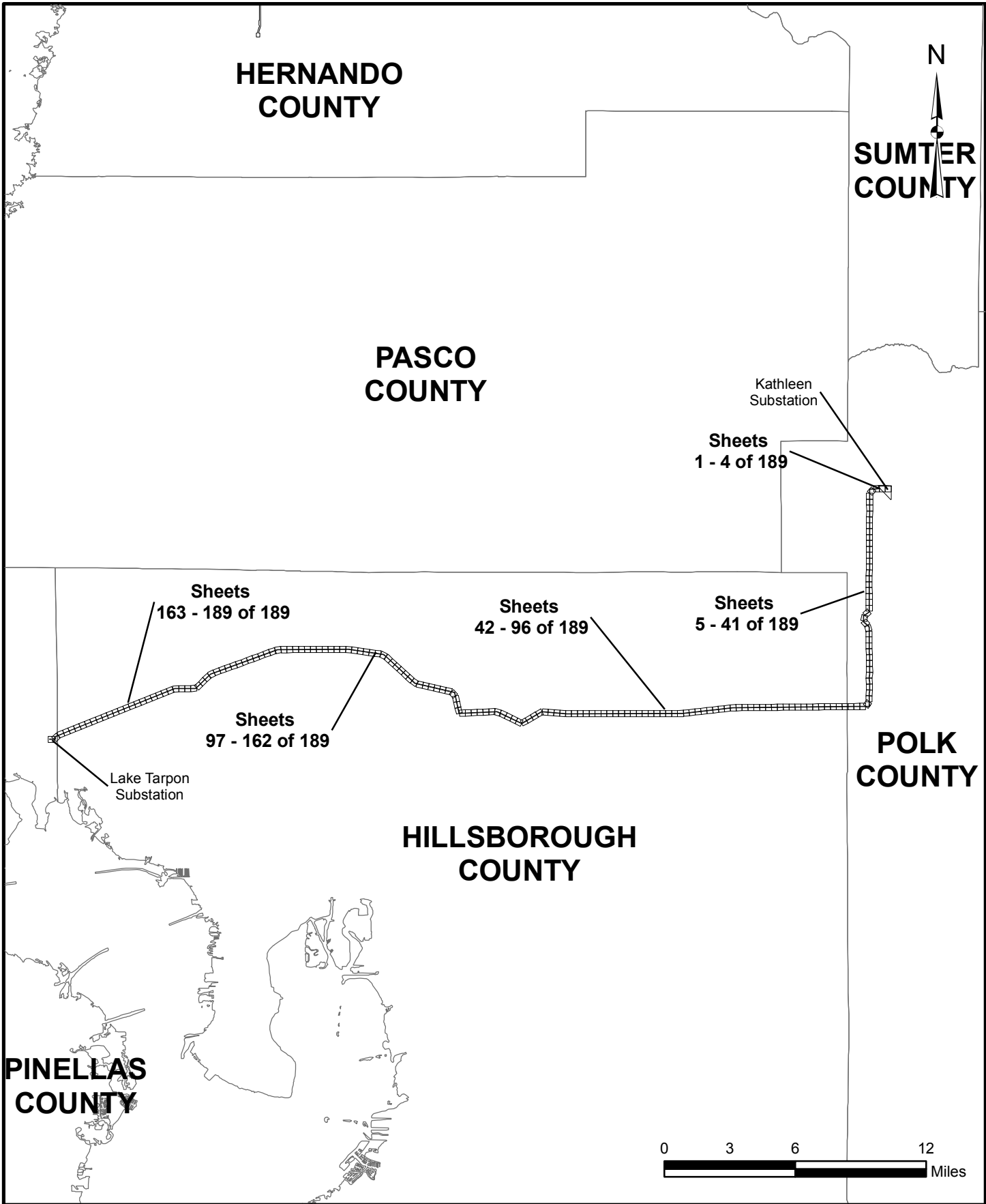
PEI
ENGR

1 OF 1
SHEET

DWG. L1-14

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE



Map Document: 09389547Z011_PHP_CoverSheet.mxd / Modified 2/10/2010 5:24:53 PM / Plotted 2/18/2010 4:45:34 PM by riamar



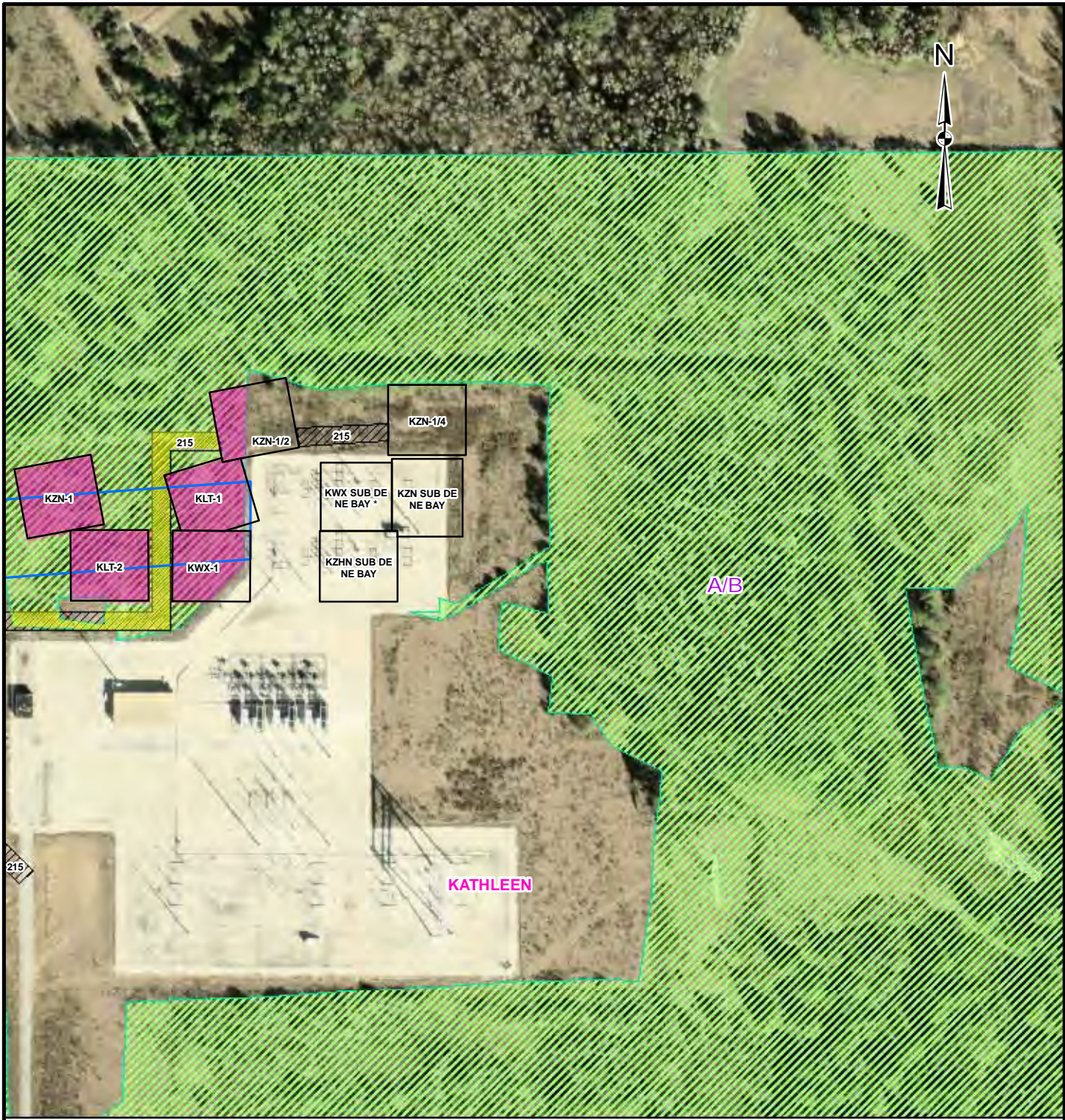
Golder Associates
Gainesville, Florida

FILE No.	09389547Z011
PROJECT No.	093-89547 REV. 0

SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

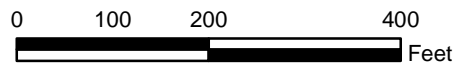
PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE Cover Sheet
--	------------------------------



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries



REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands. For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

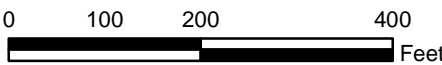
FIGURE **1 of 189**

Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by riamar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries



REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

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For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
2 of 189

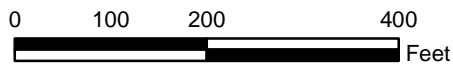
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
-  Surveyed Wetland Boundaries



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Golder Associates
Gainesville, Florida

FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1

SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
3 of 189

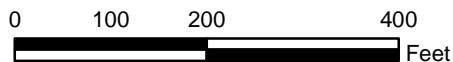
Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlamar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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- Surveyed Wetland Boundaries



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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

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SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

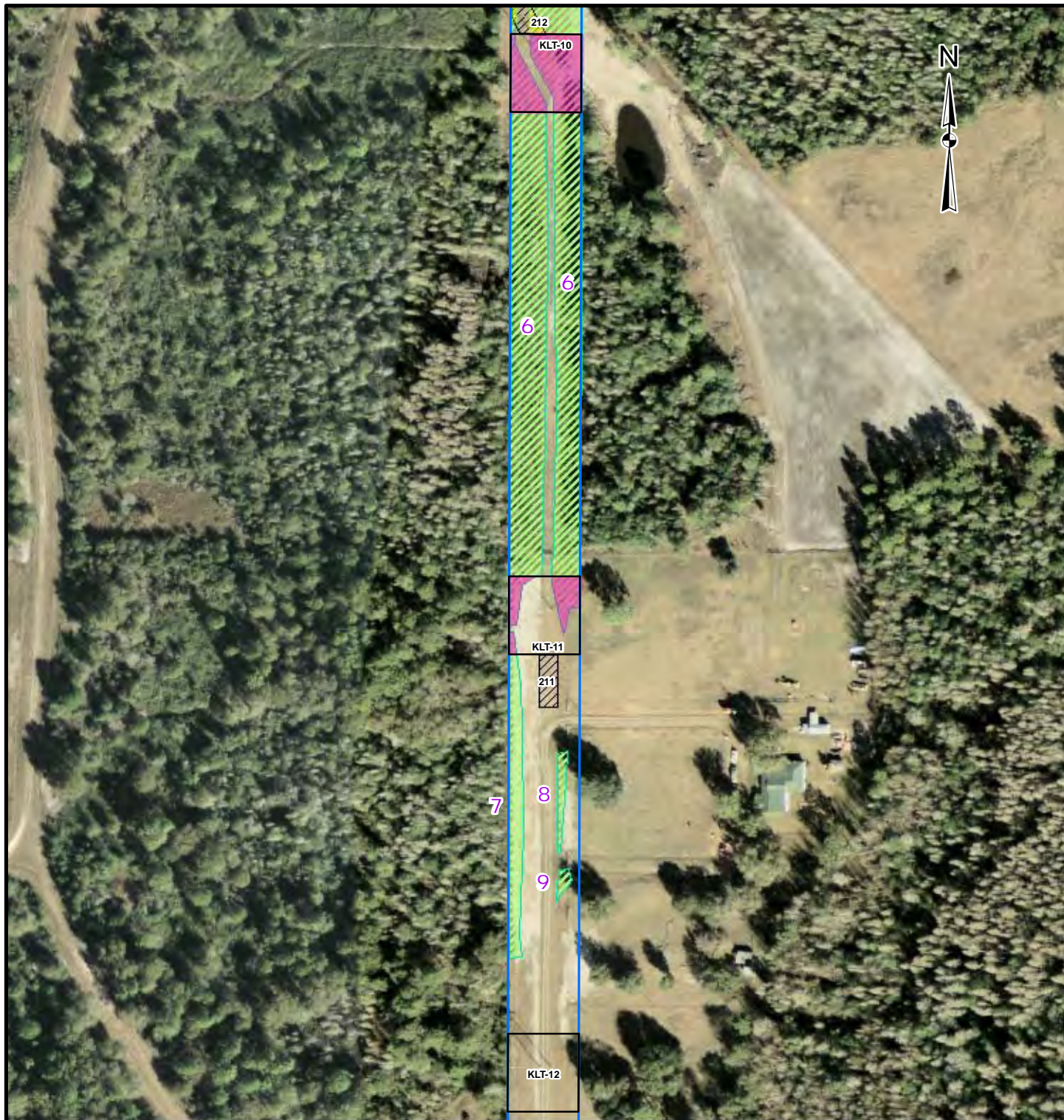
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
4 of 189

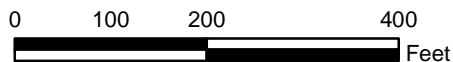
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
-  Surveyed Wetland Boundaries



REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

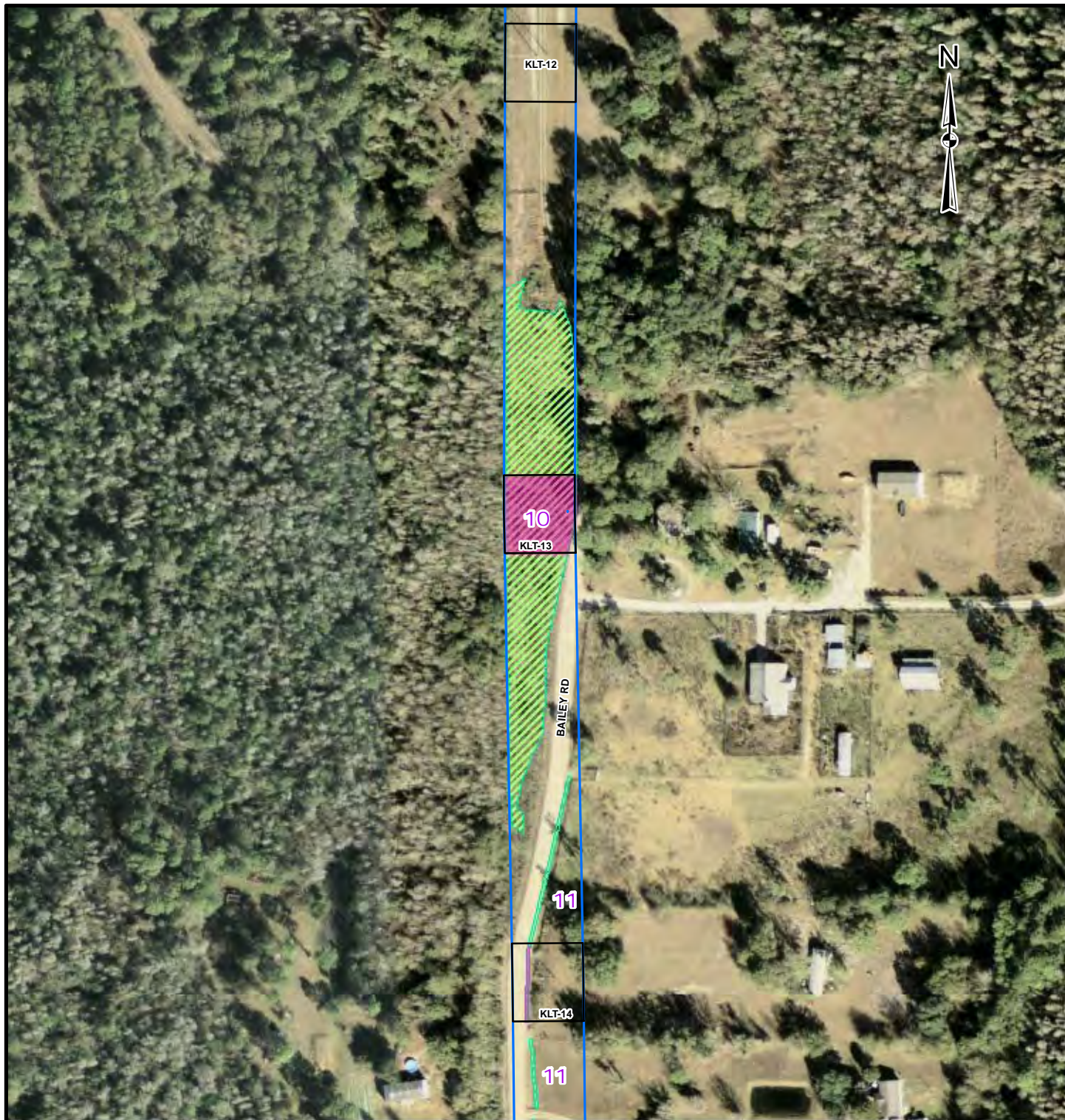
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **5 of 189**

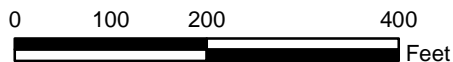
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries



REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
6 of 189

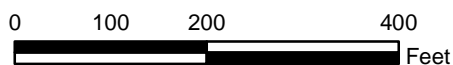
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **7 of 189**

Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries



REFERENCES

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2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **8 of 189**

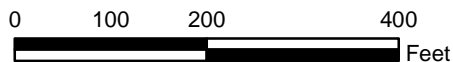
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **9 of 189**

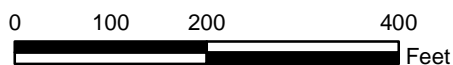
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
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1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **10 of 189**

Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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1. Wetland boundaries, MACTEC, 2010.
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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
12 of 189

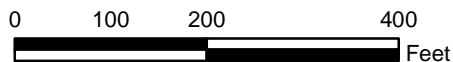
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
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NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

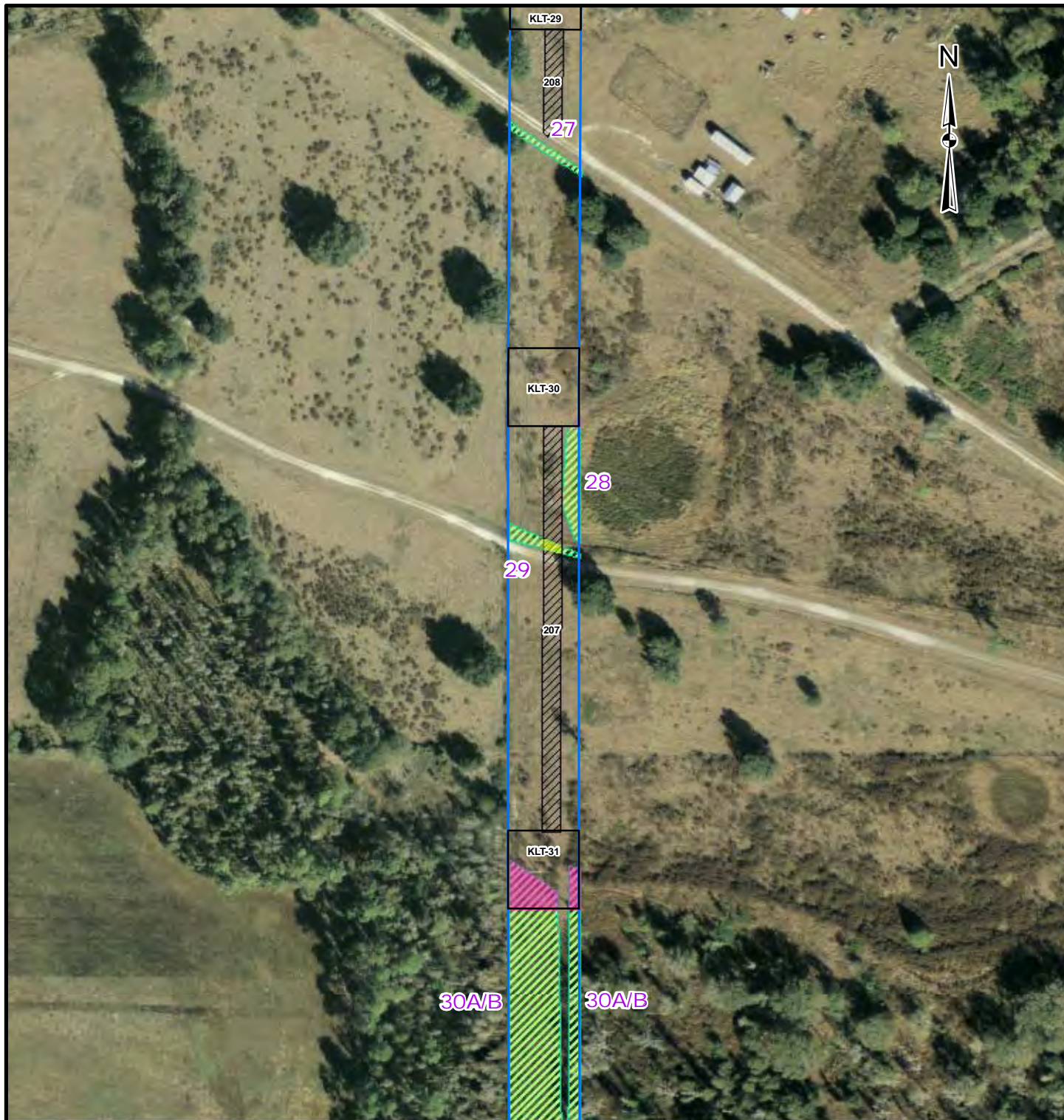
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DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
13 of 189

Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by riamar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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NOTES

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DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

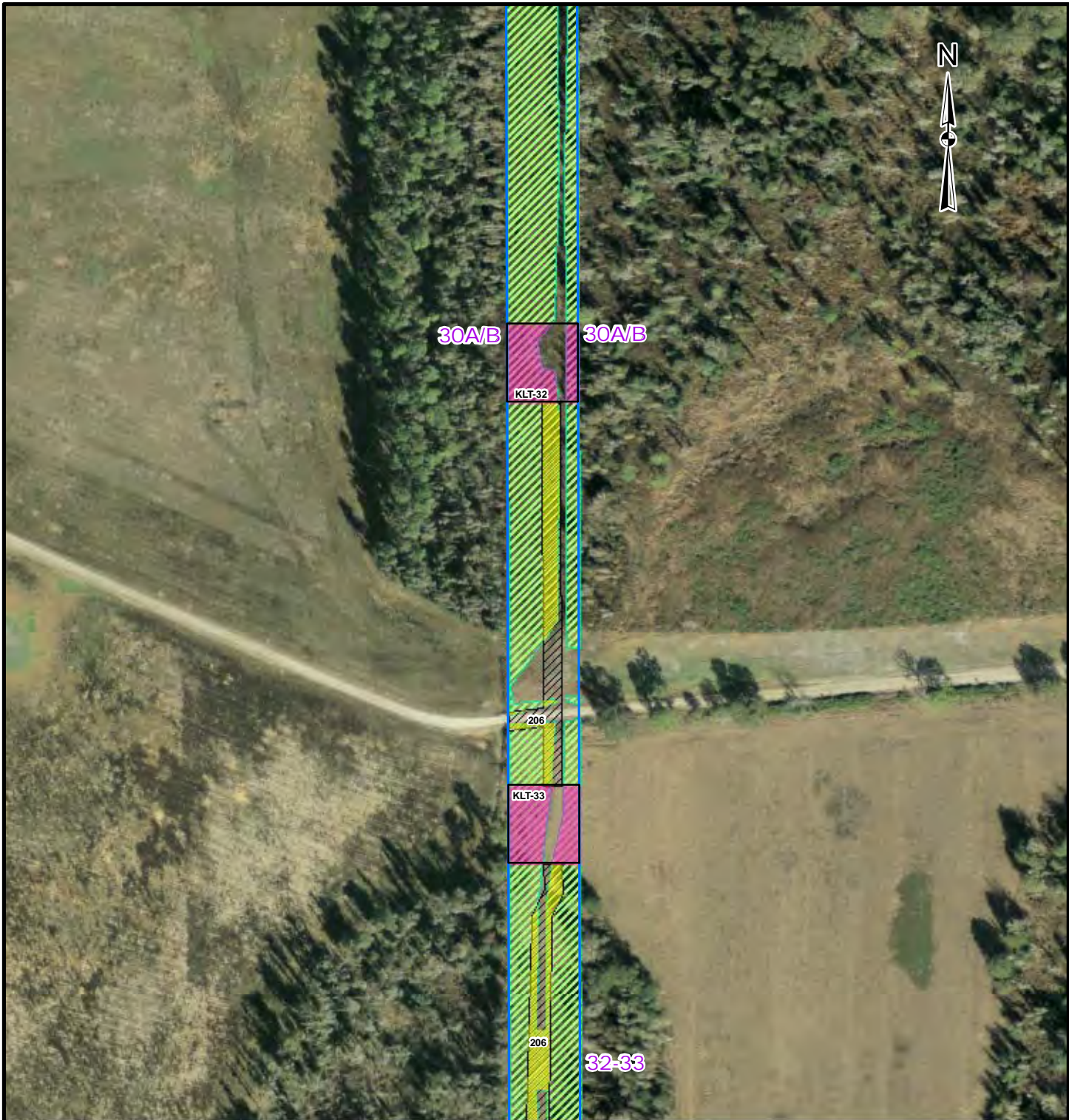
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
14 of 189

Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

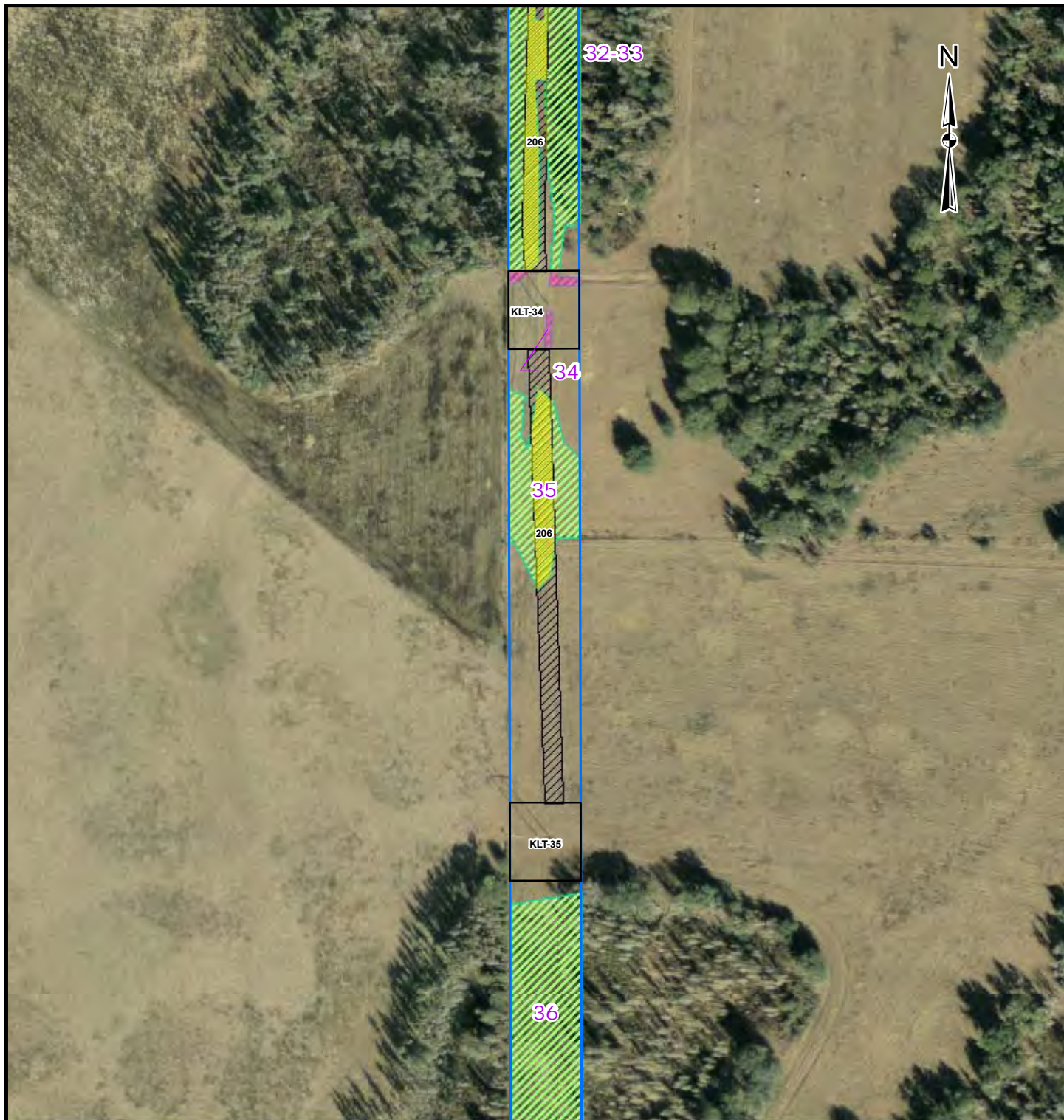
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DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
15 of 189

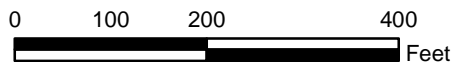
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
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NOTES

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FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1

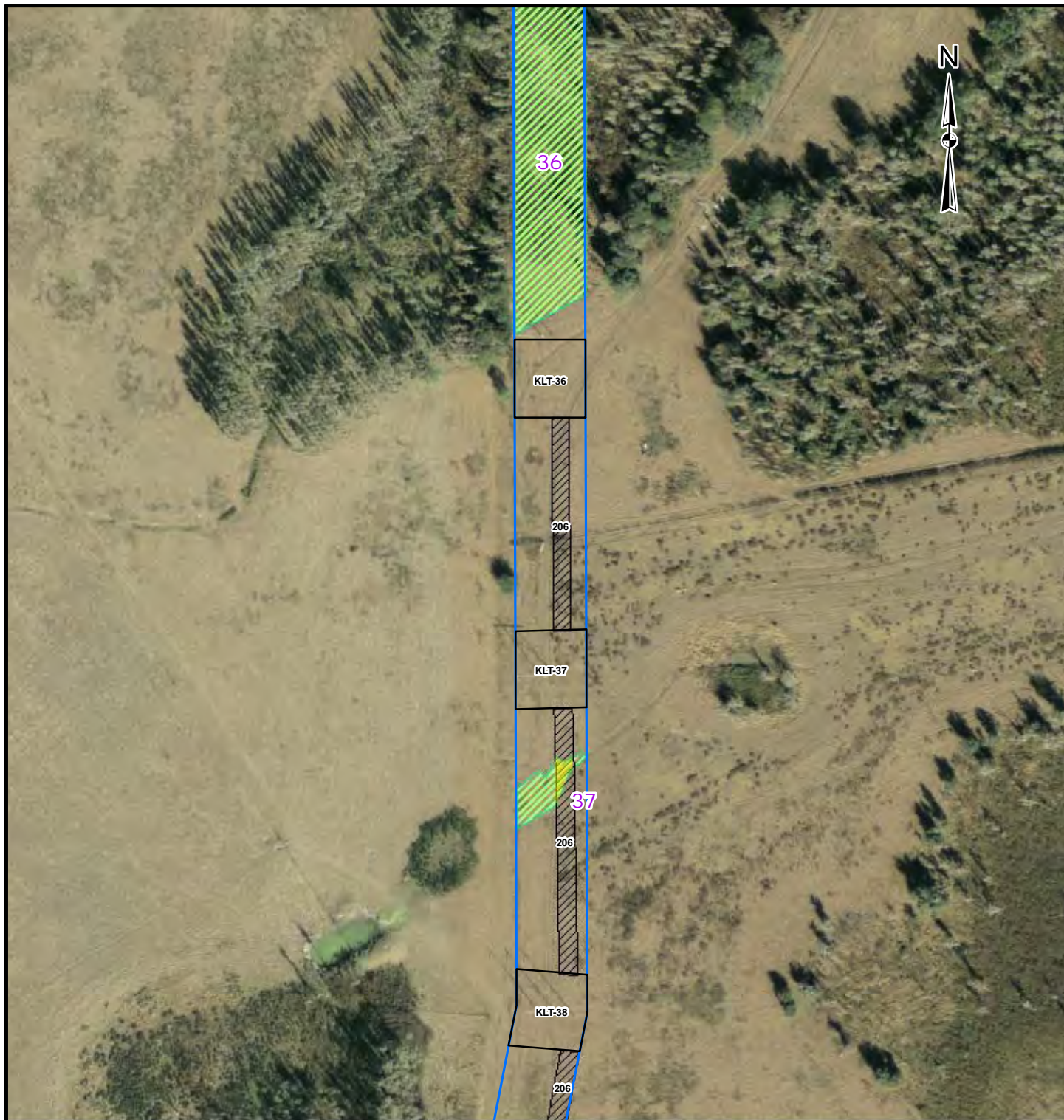
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DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
16 of 189

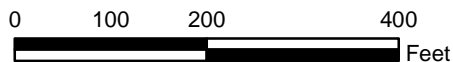
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LEGEND

- PHP Pad Locations
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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
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REVIEW	KAB

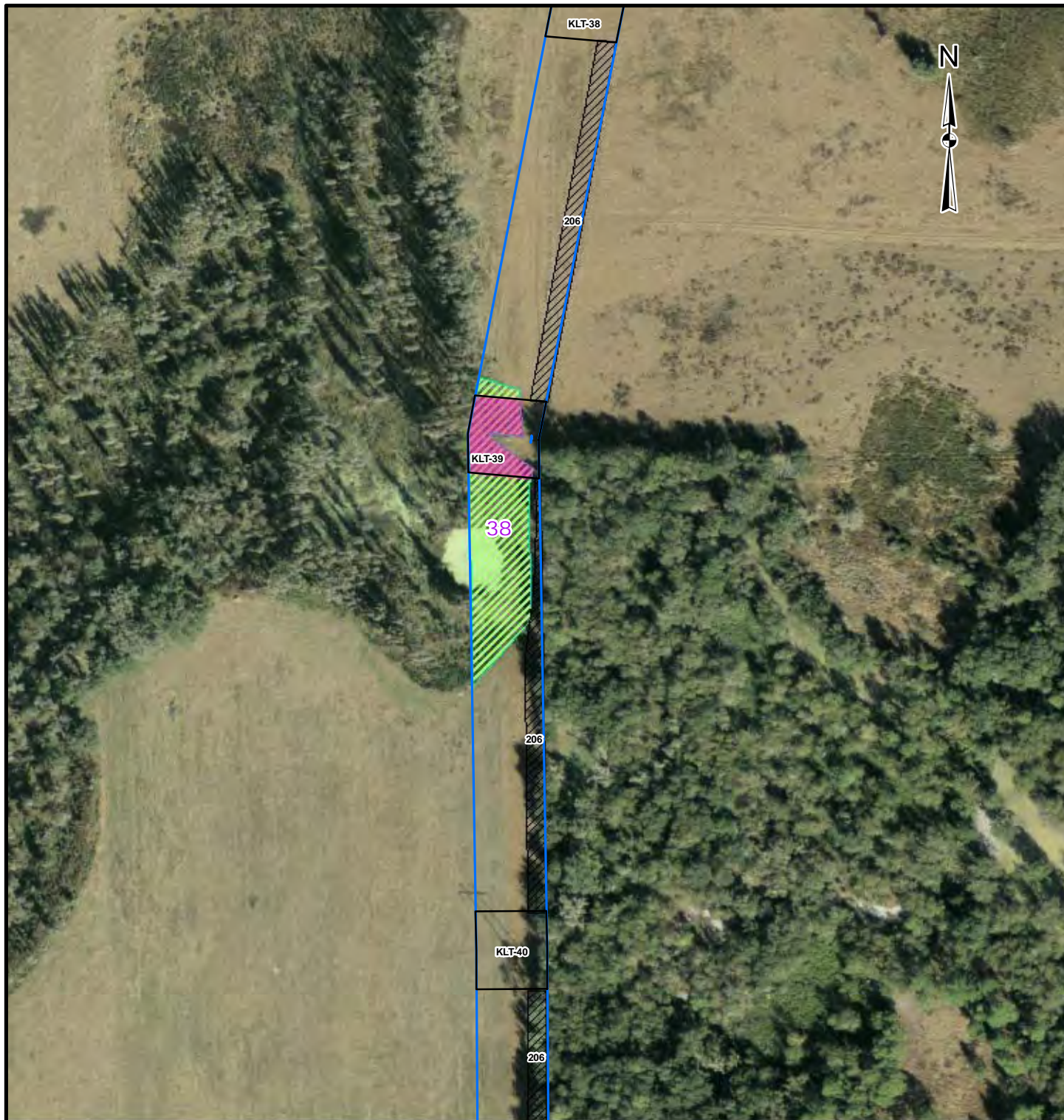
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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- PHP Access Roads

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- Surveyed Wetland Boundaries



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DESIGN	KAB
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REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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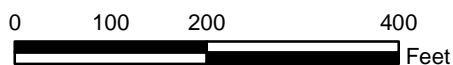
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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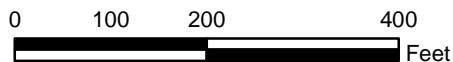
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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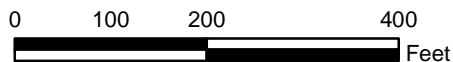
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LEGEND

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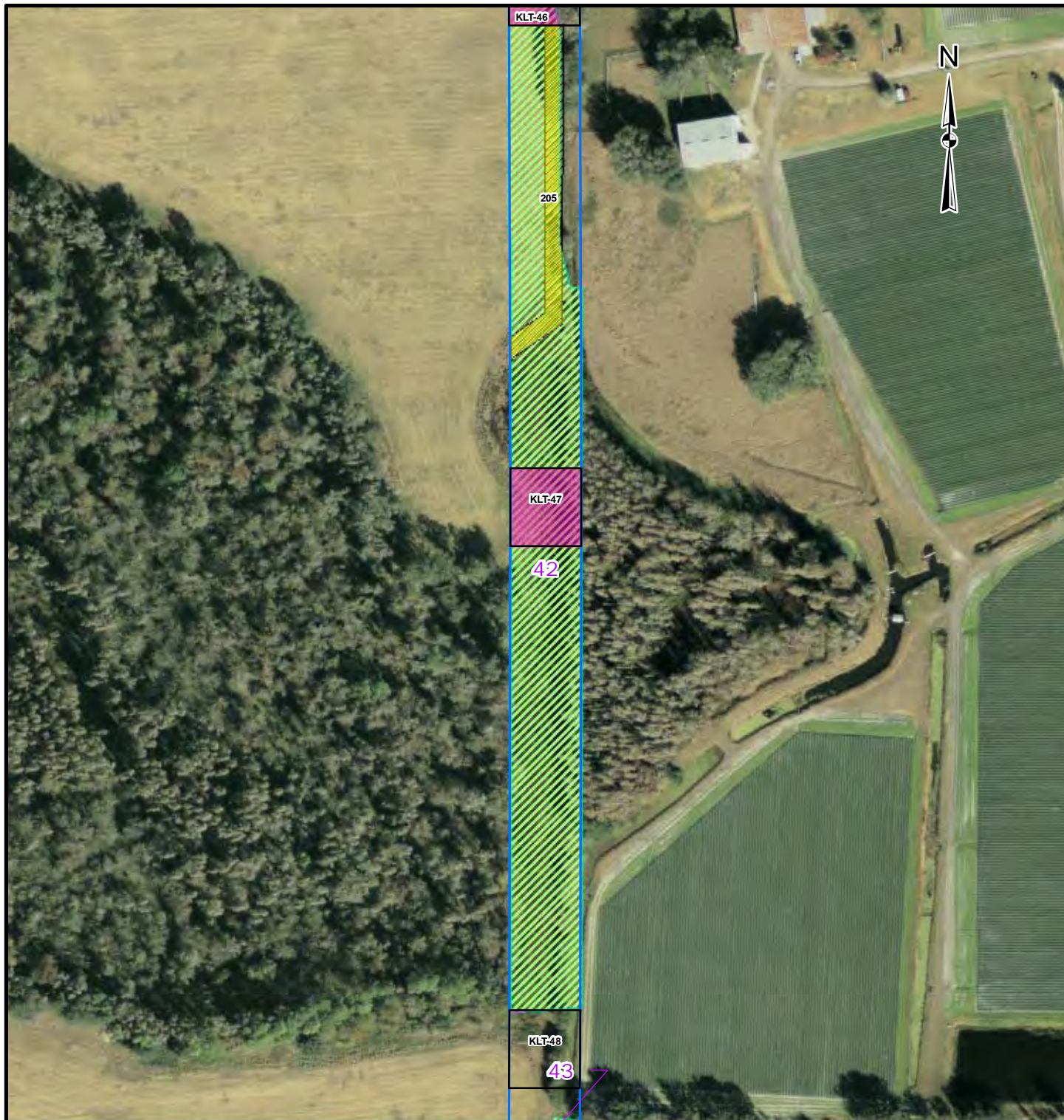
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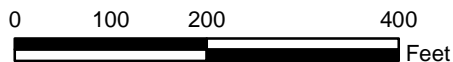
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LEGEND

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Golder Associates
Gainesville, Florida

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LEGEND

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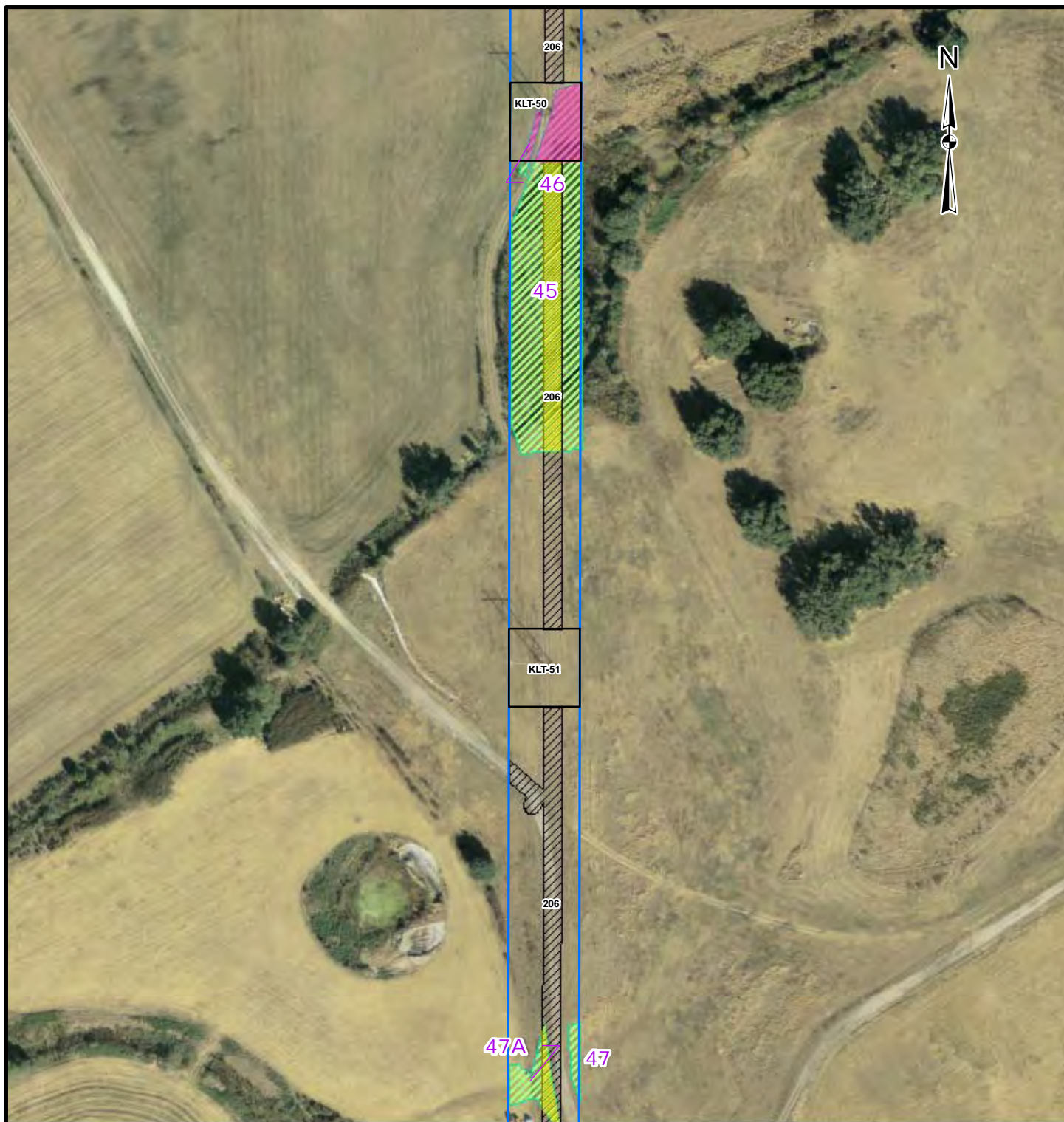
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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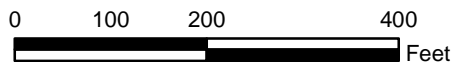
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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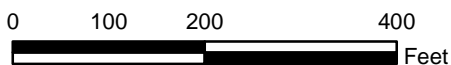
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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

- PHP Pad Locations
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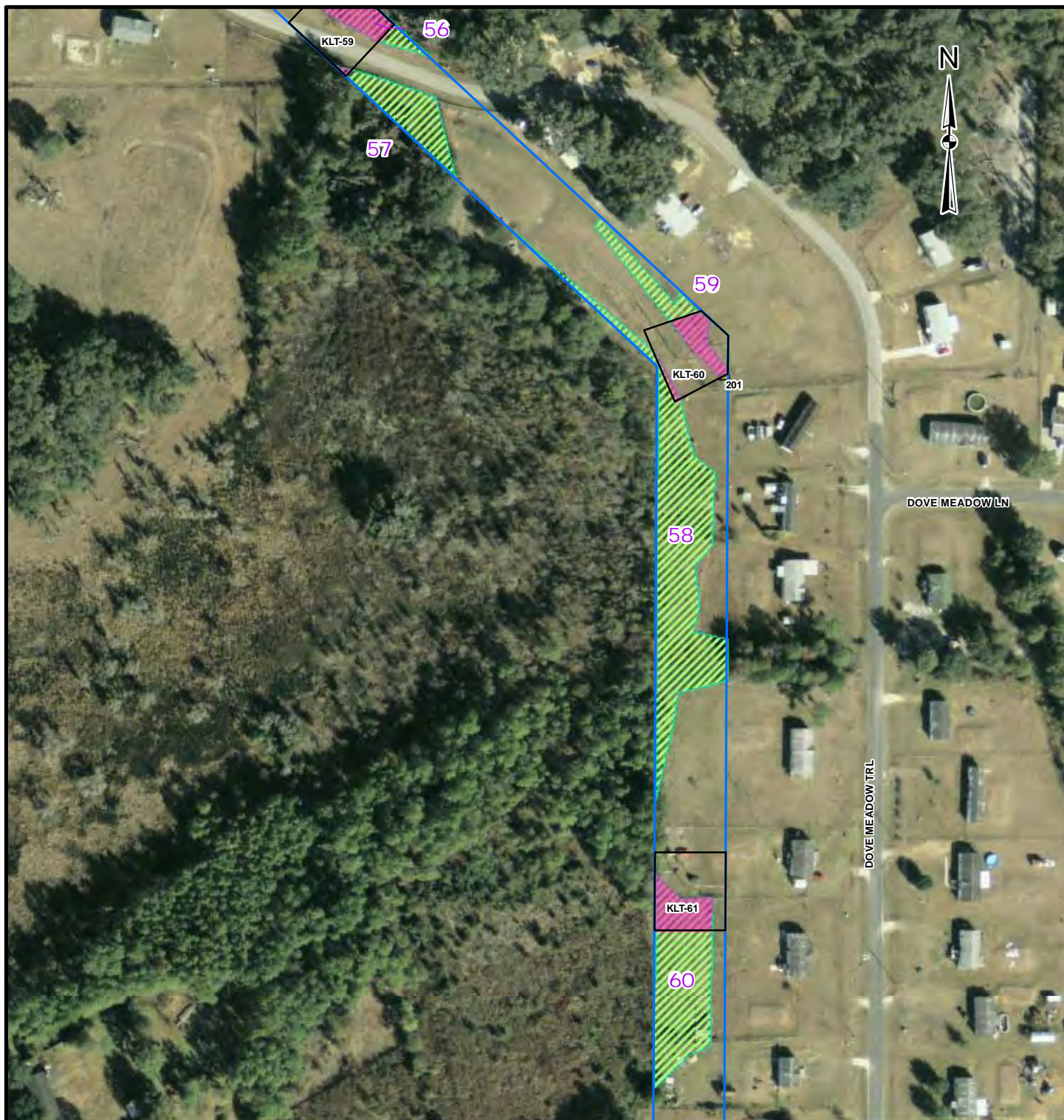
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

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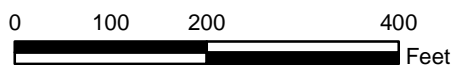
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LEGEND

- PHP Pad Locations
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DESIGN	KAB
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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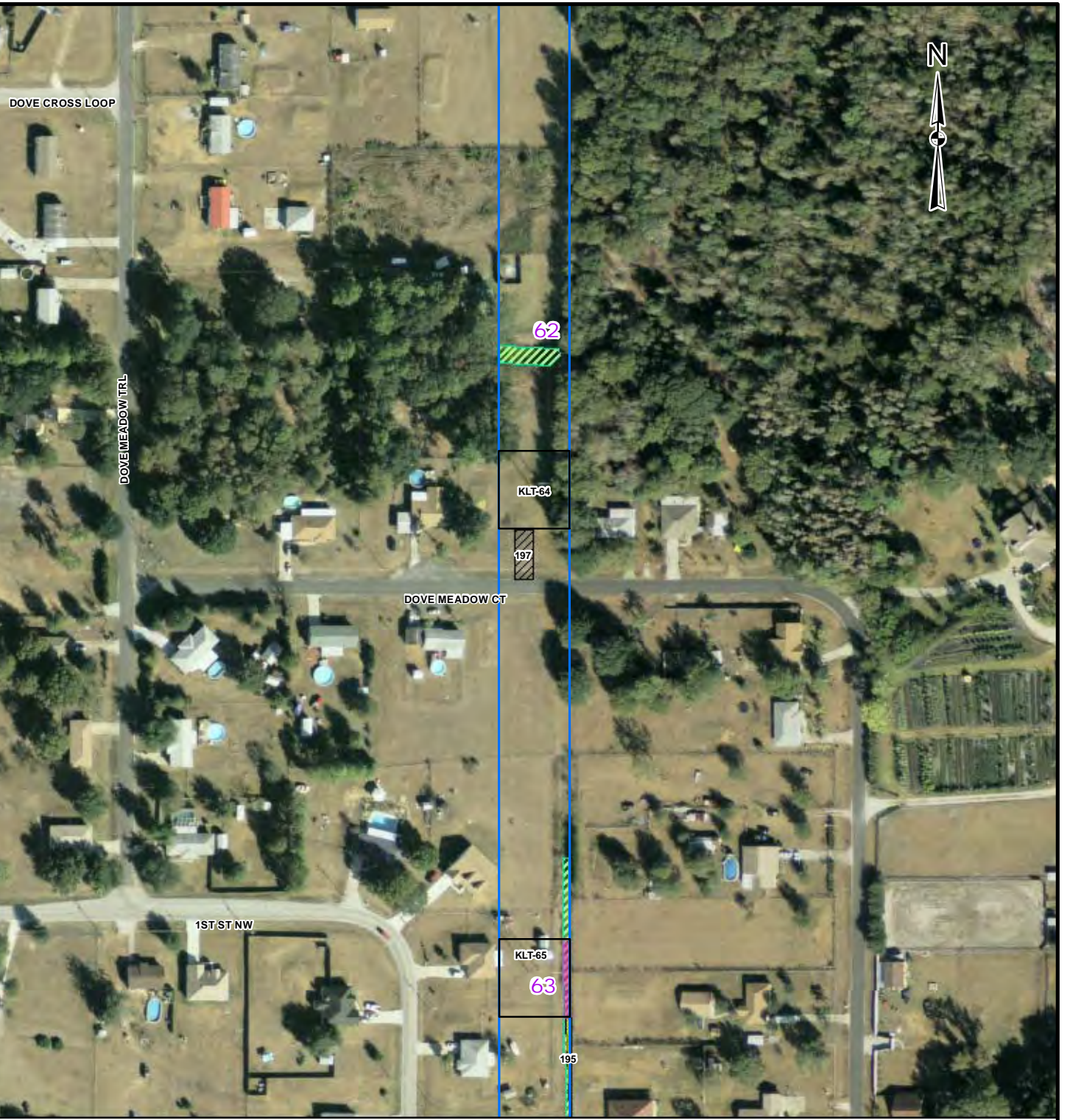
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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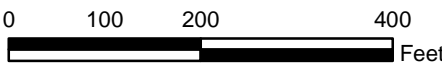


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LEGEND

- PHP Pad Locations
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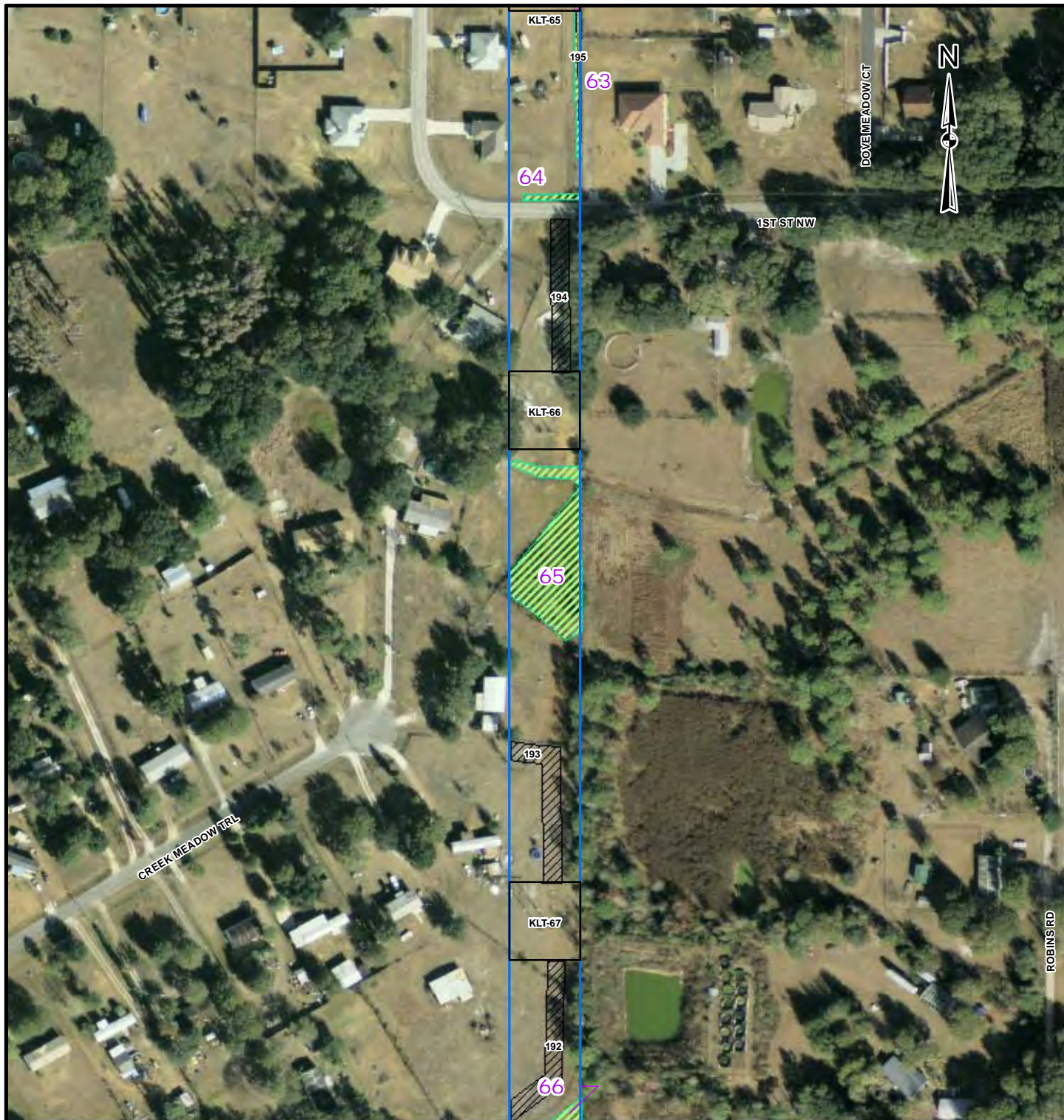
See wetland survey for acreages of wetlands.
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	GIS	NRL
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	CHECK	SR
	REVIEW	KAB

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PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 30 of 189
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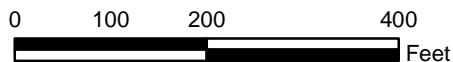
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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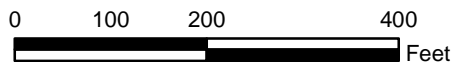
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LEGEND

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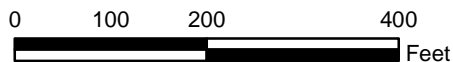
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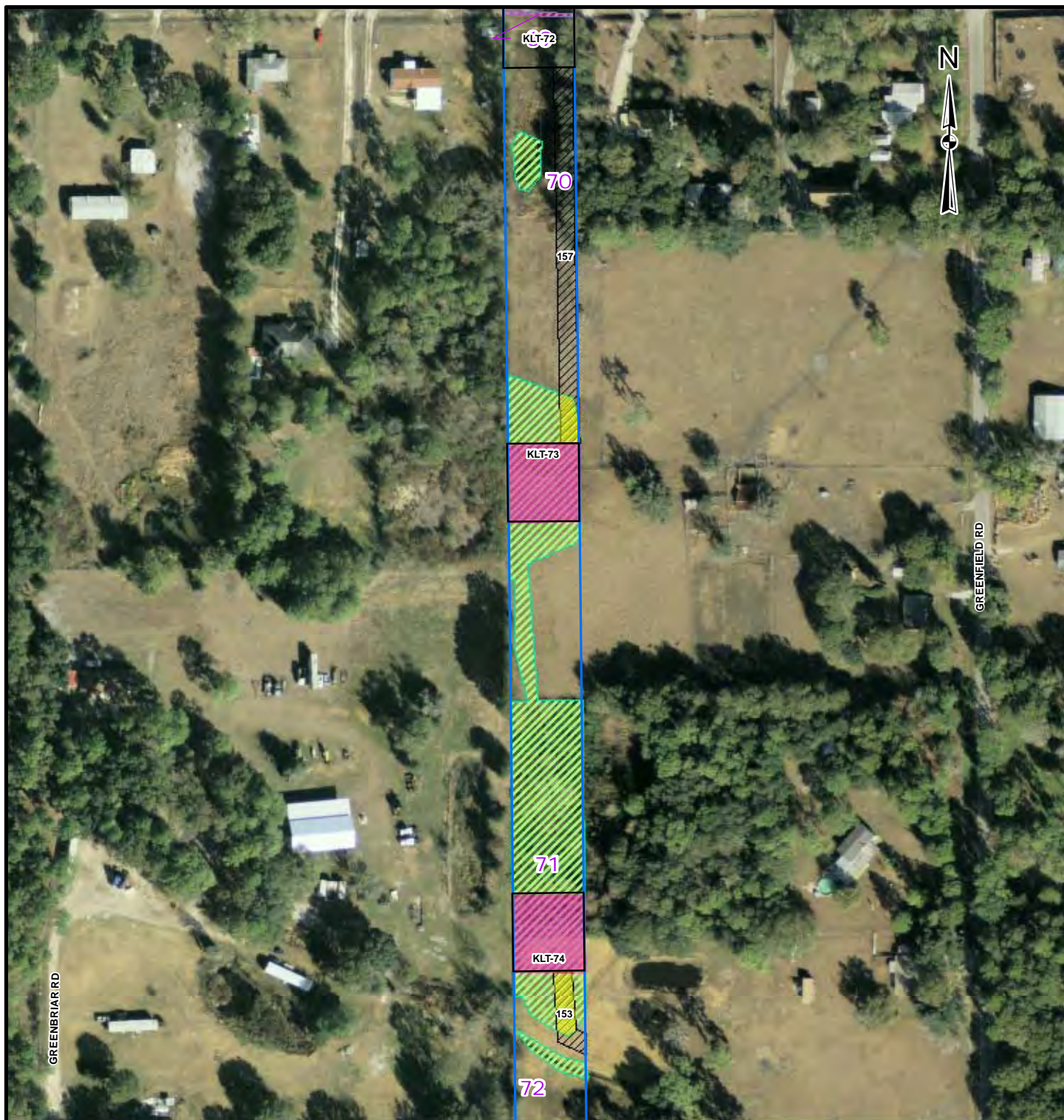
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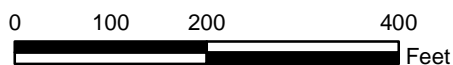
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LEGEND

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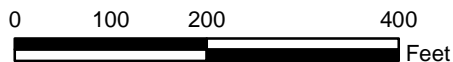
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FIGURE **35 of 189**

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- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

FIGURE **36 of 189**

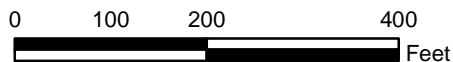
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries



REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
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FIGURE
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LEGEND

- PHP Pad Locations
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Golder Associates
Gainesville, Florida

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SCALE	AS SHOWN
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GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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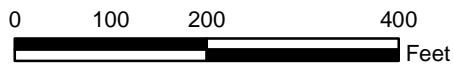
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlamar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
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Golder Associates
Gainesville, Florida

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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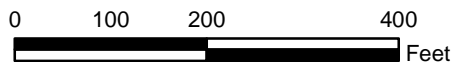
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

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DATE 2/18/2010

DESIGN KAB

GIS NRL

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
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FIGURE 40 of 189

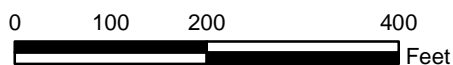
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

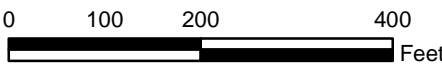
FIGURE
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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Golder Associates
Gainesville, Florida

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 42 of 189
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Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlamar

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LEGEND

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DESIGN	KAB
GIS	NRL
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

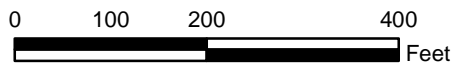
FIGURE
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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- Surveyed Wetland Boundaries



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Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

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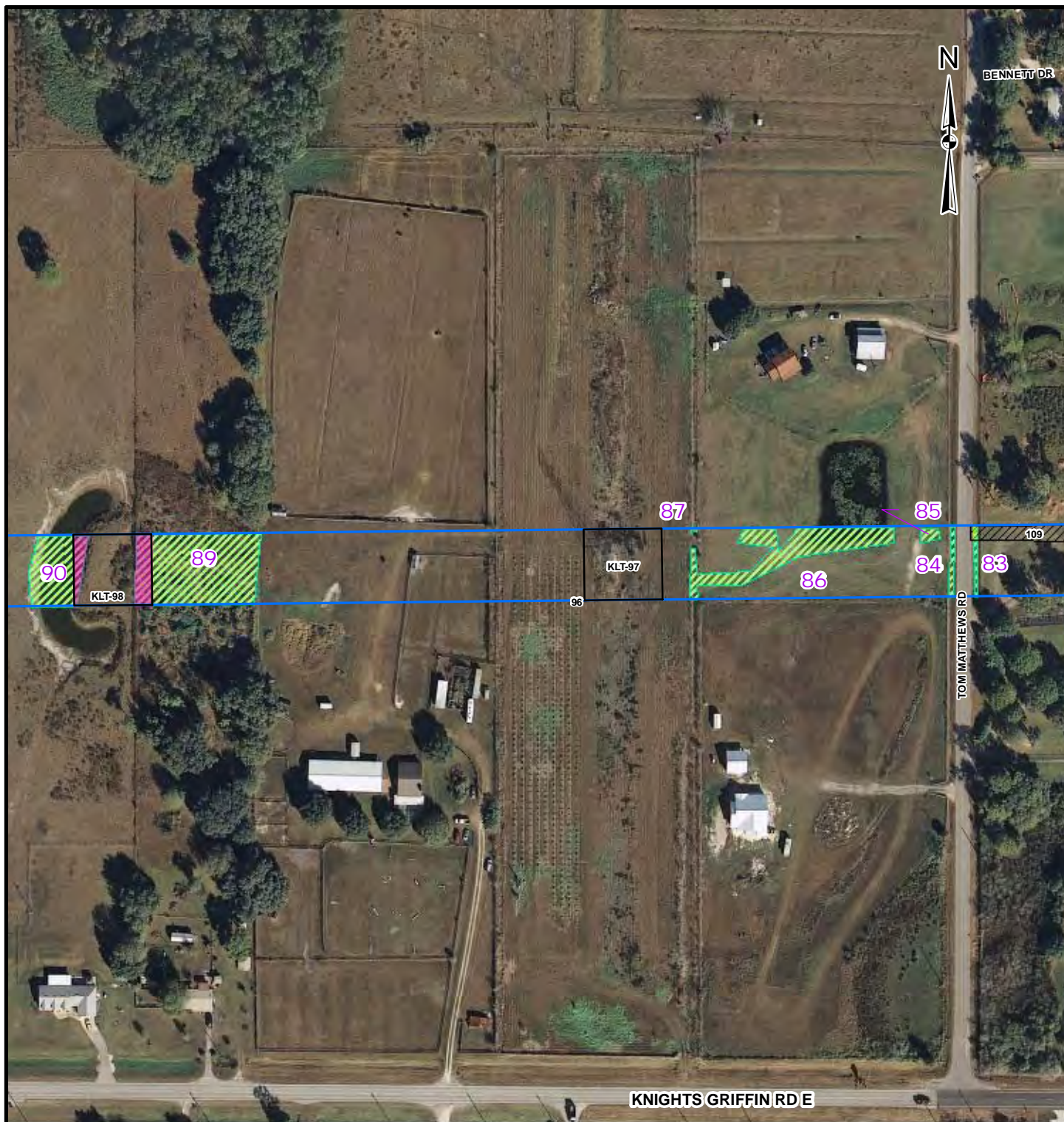
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
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NOTES

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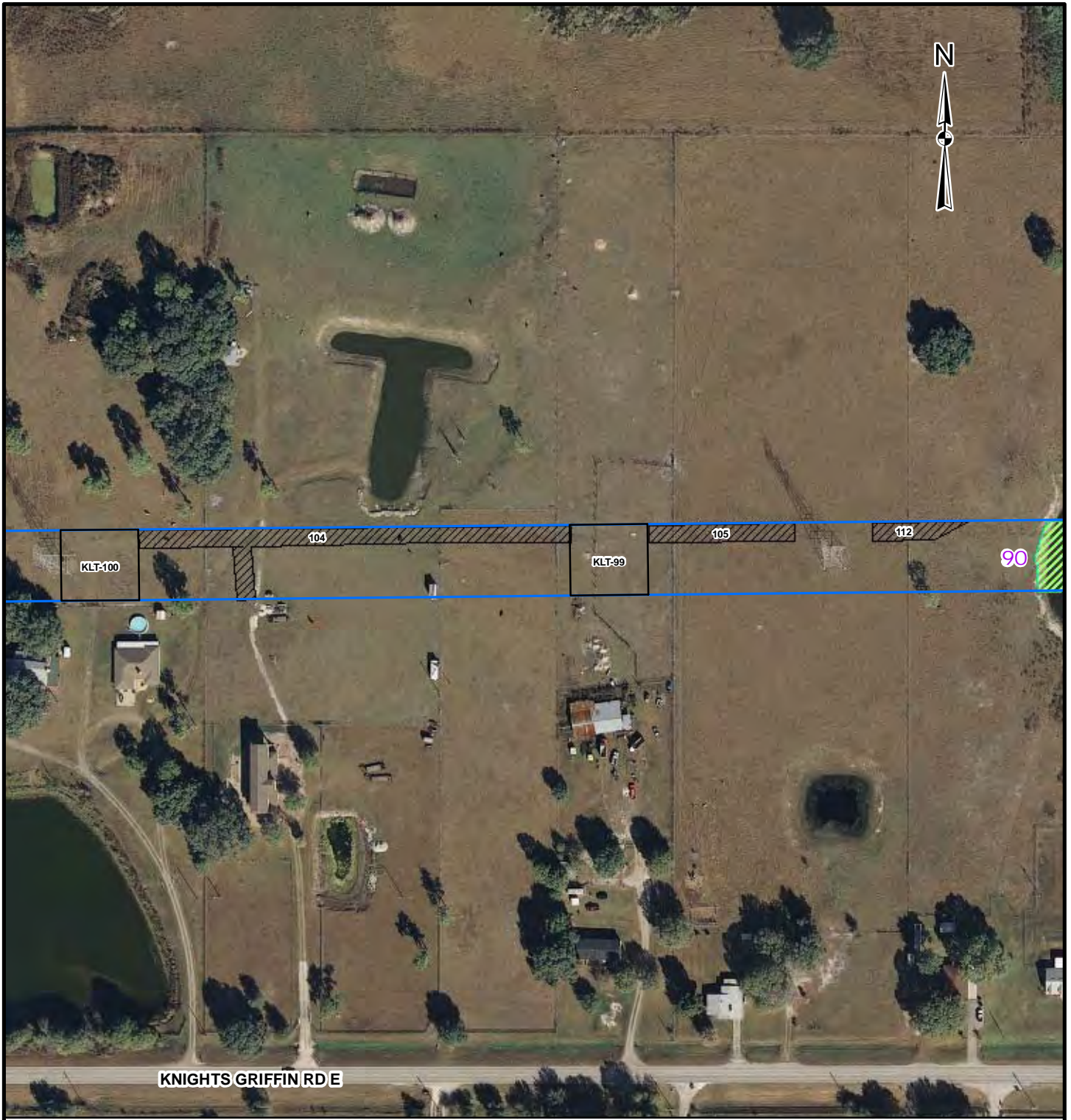
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

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NOTES

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DESIGN	KAB
GIS	NRL
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REVIEW	KAB

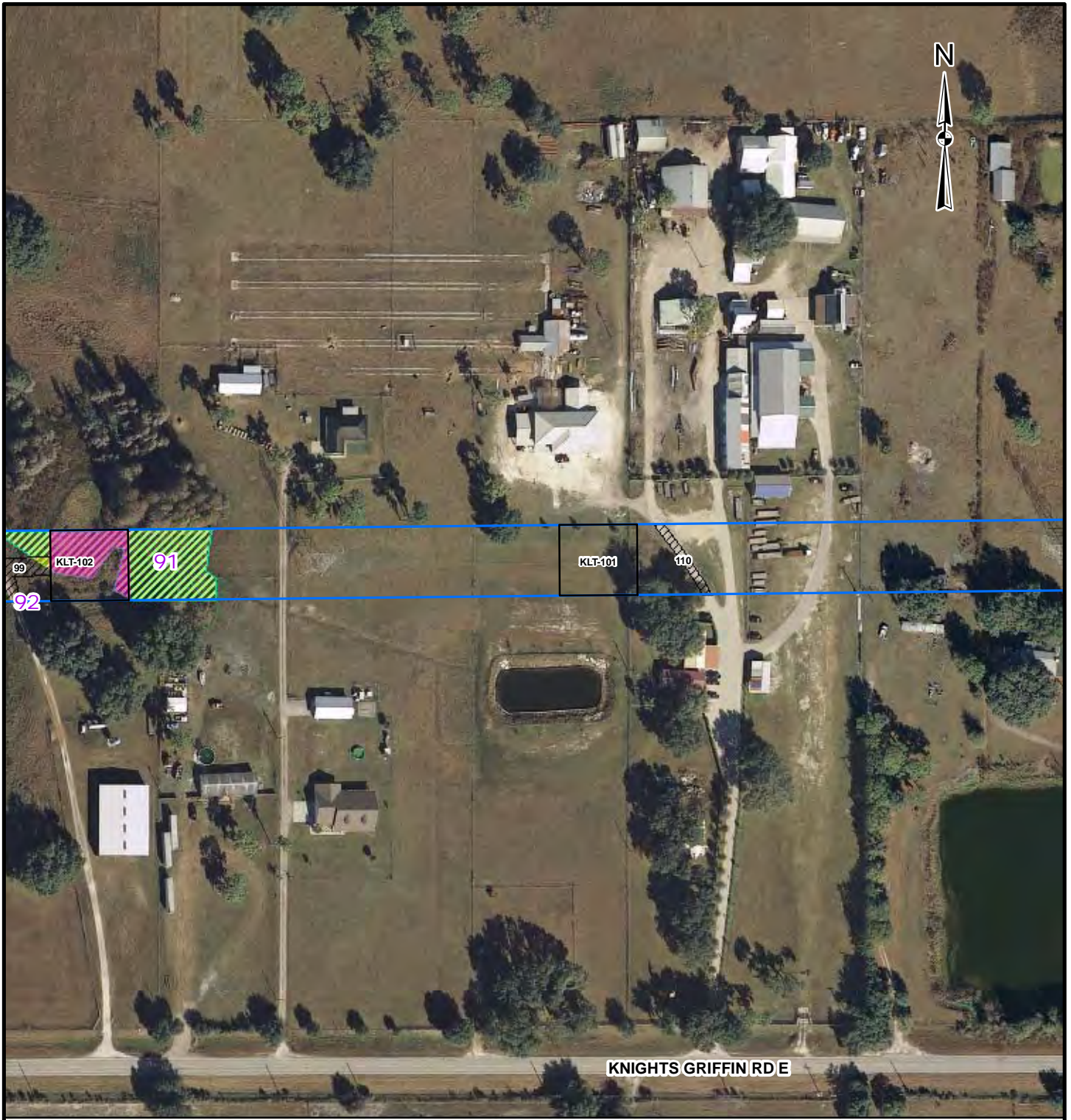
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT



FIGURE
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Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
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REFERENCES

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NOTES

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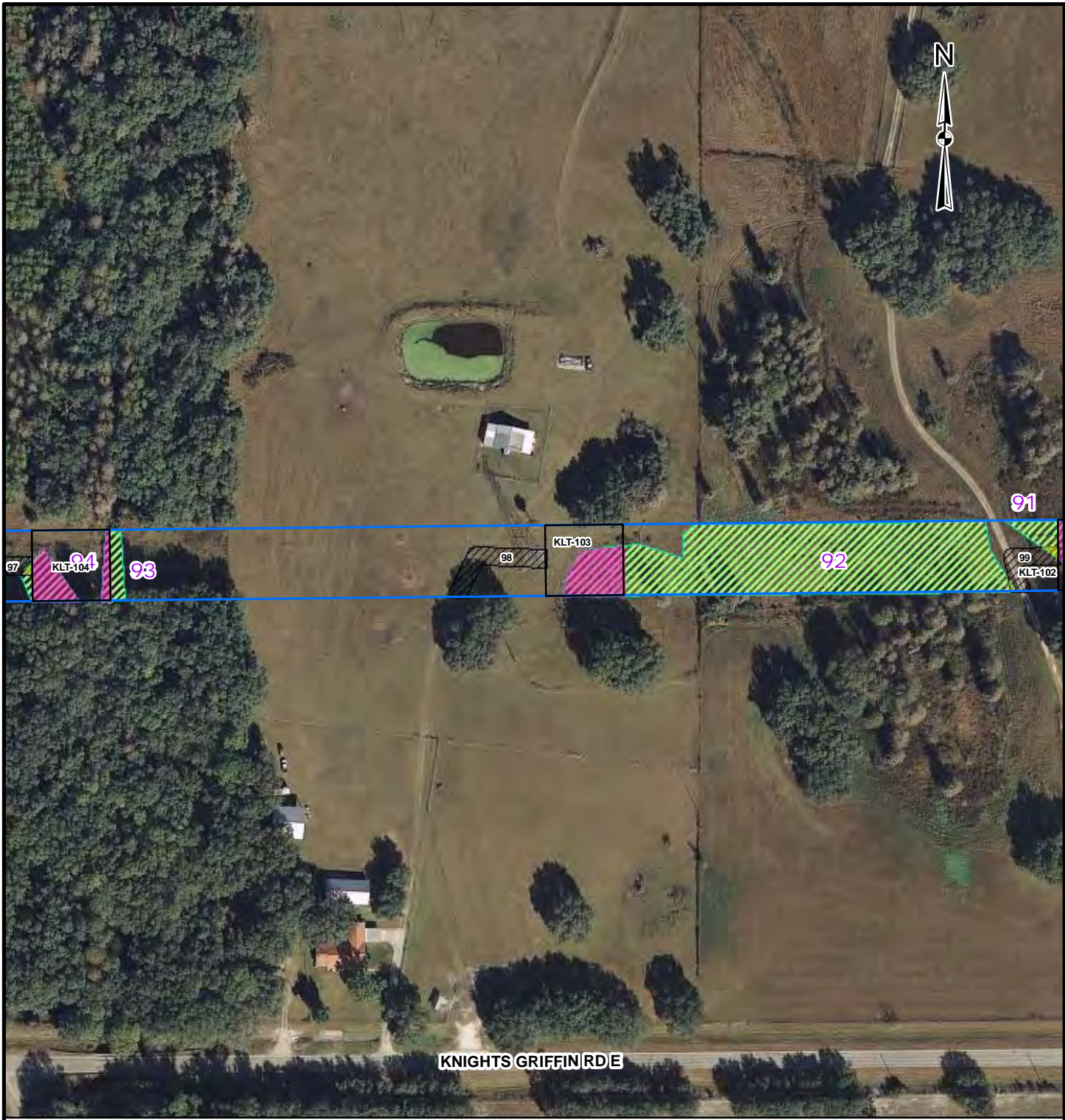
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PROJECT No.	093-89547	REV. 1

SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 47 of 189
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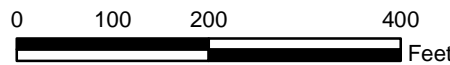
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlamar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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REFERENCES

1. Wetland boundaries, MACTEC, 2010.
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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES
See wetland survey for acreages of wetlands.
For impact acreages see attached tables.

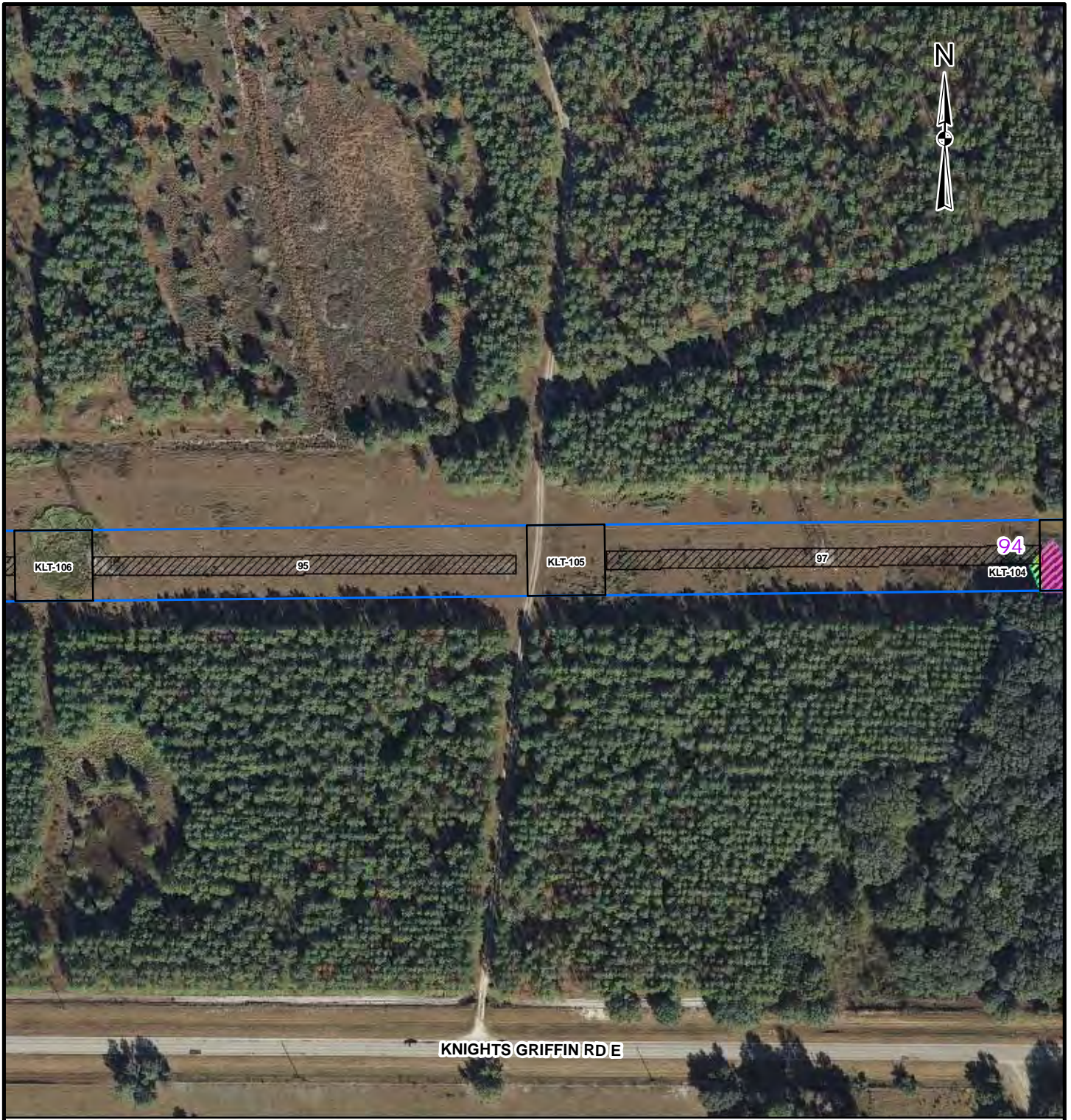
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	GIS	NRL	
FILE No.	09389547Z001	CHECK	SR
PROJECT No.	093-89547	REV.	1
		REVIEW	KAB

**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**






PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT



FIGURE **48 of 189**

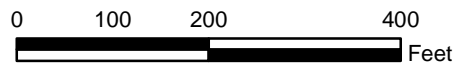
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LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
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SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

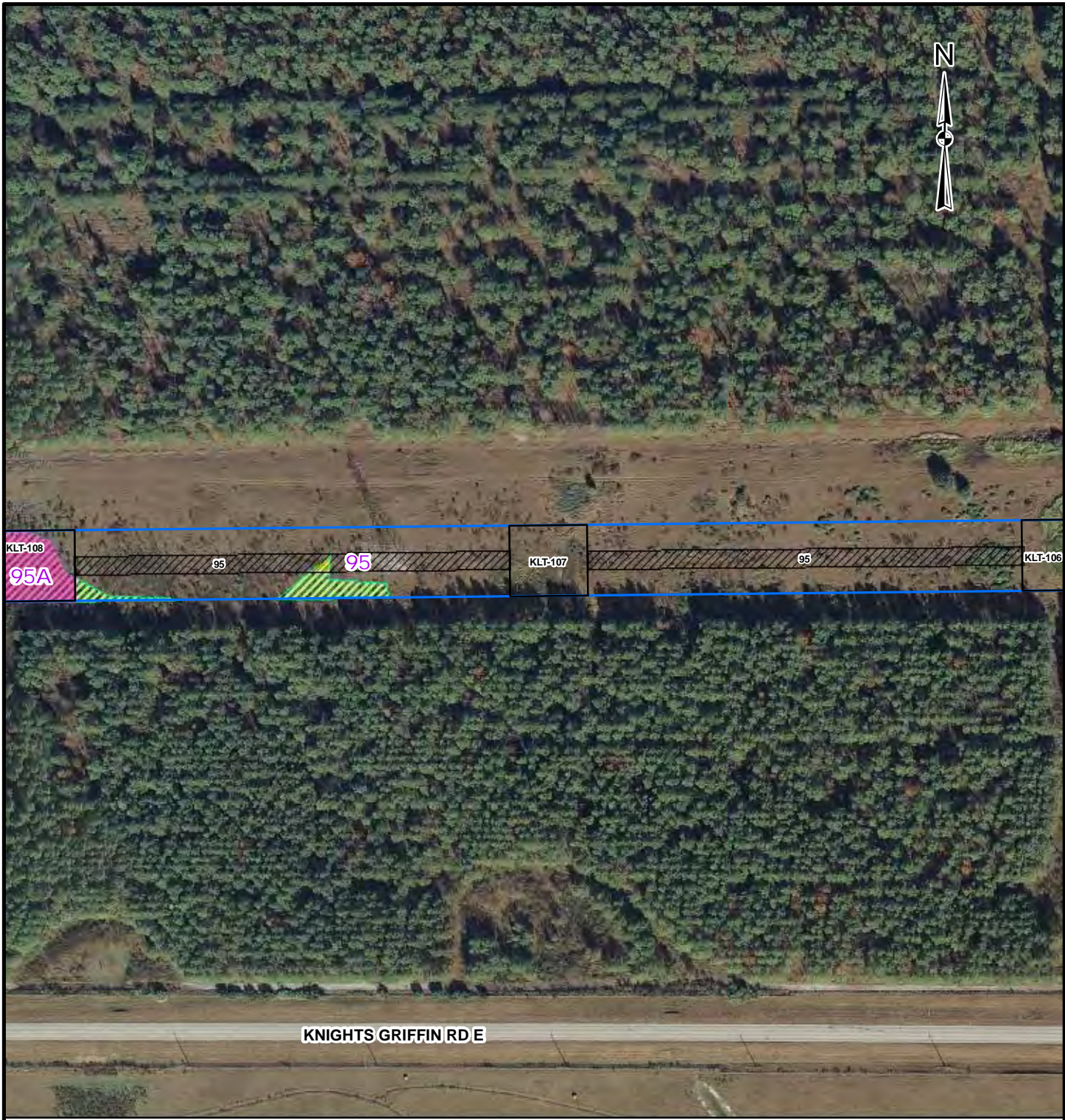
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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FIGURE **49 of 189**

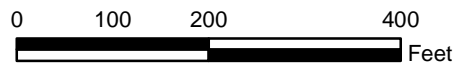
Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
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DESIGN	KAB
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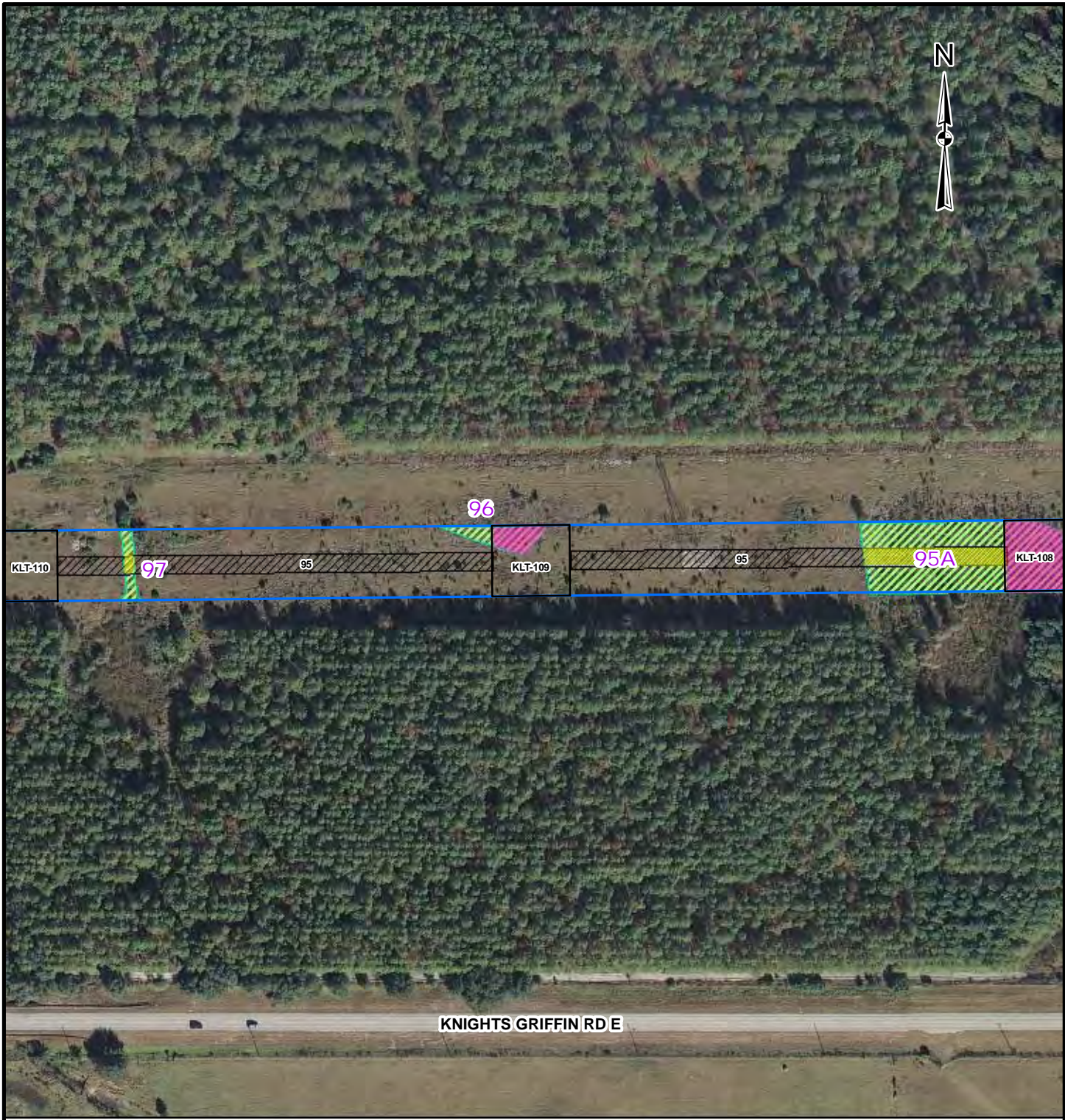
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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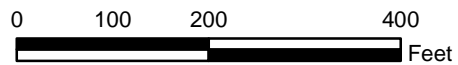
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

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<h2>POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS</h2>
PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT
FIGURE 51 of 189

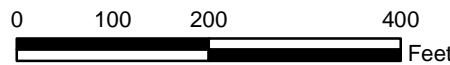
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LEGEND

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DESIGN	KAB
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REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS






PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT



FIGURE **52 of 189**

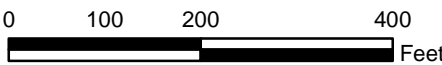
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

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FILE No.	09389547Z001	
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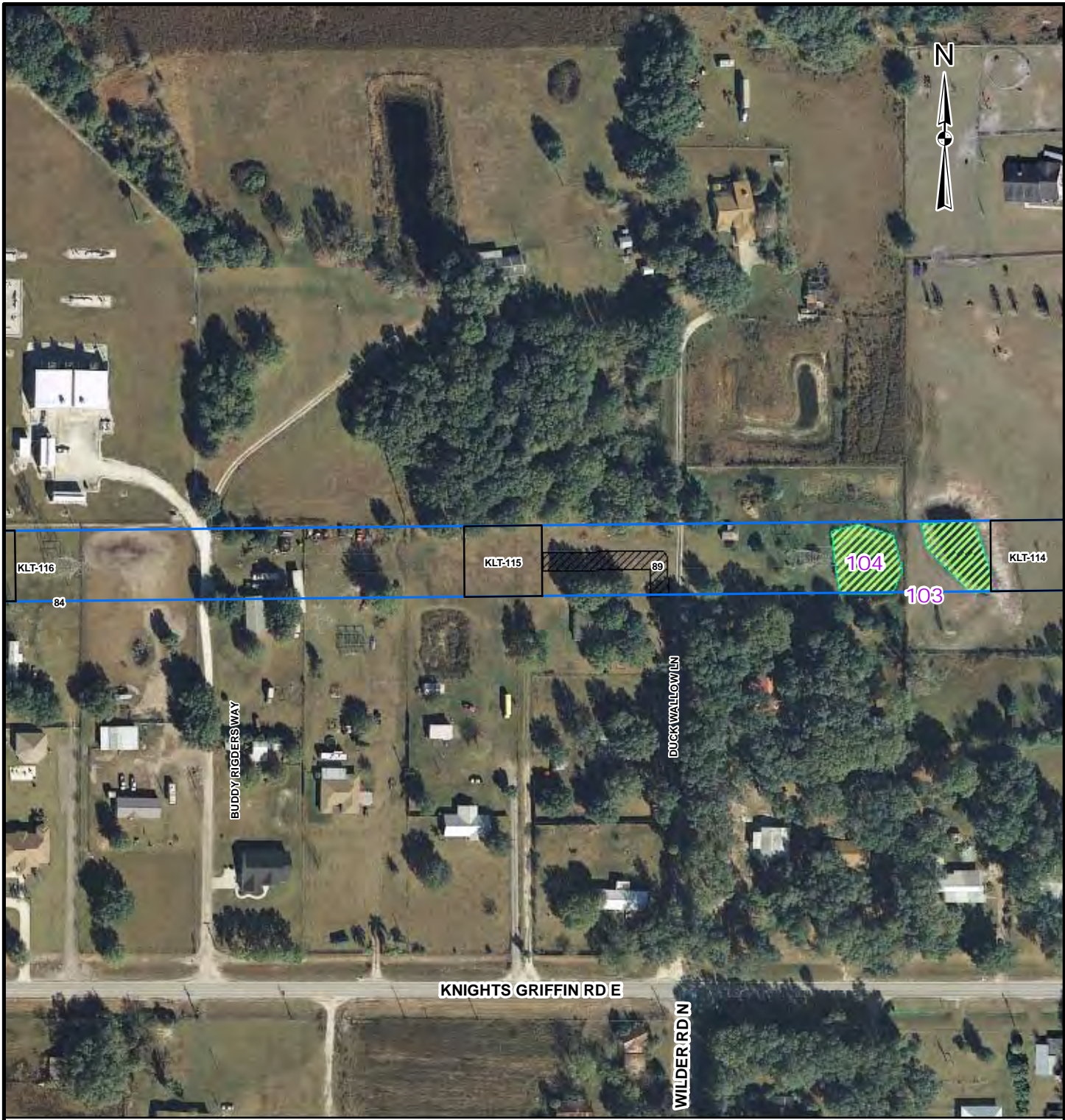
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CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

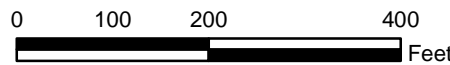


Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

LEGEND

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<p>Golder Associates Gainesville, Florida</p>	SCALE	AS SHOWN
	DATE	2/18/2010
	DESIGN	KAB
	GIS	NRL
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PROJECT No.	093-89547	REV. 1
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




POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS



PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

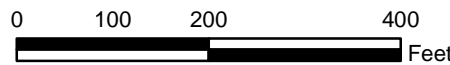
FIGURE **54 of 189**



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
-  Surveyed Wetland Boundaries



REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
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REVIEW	KAB

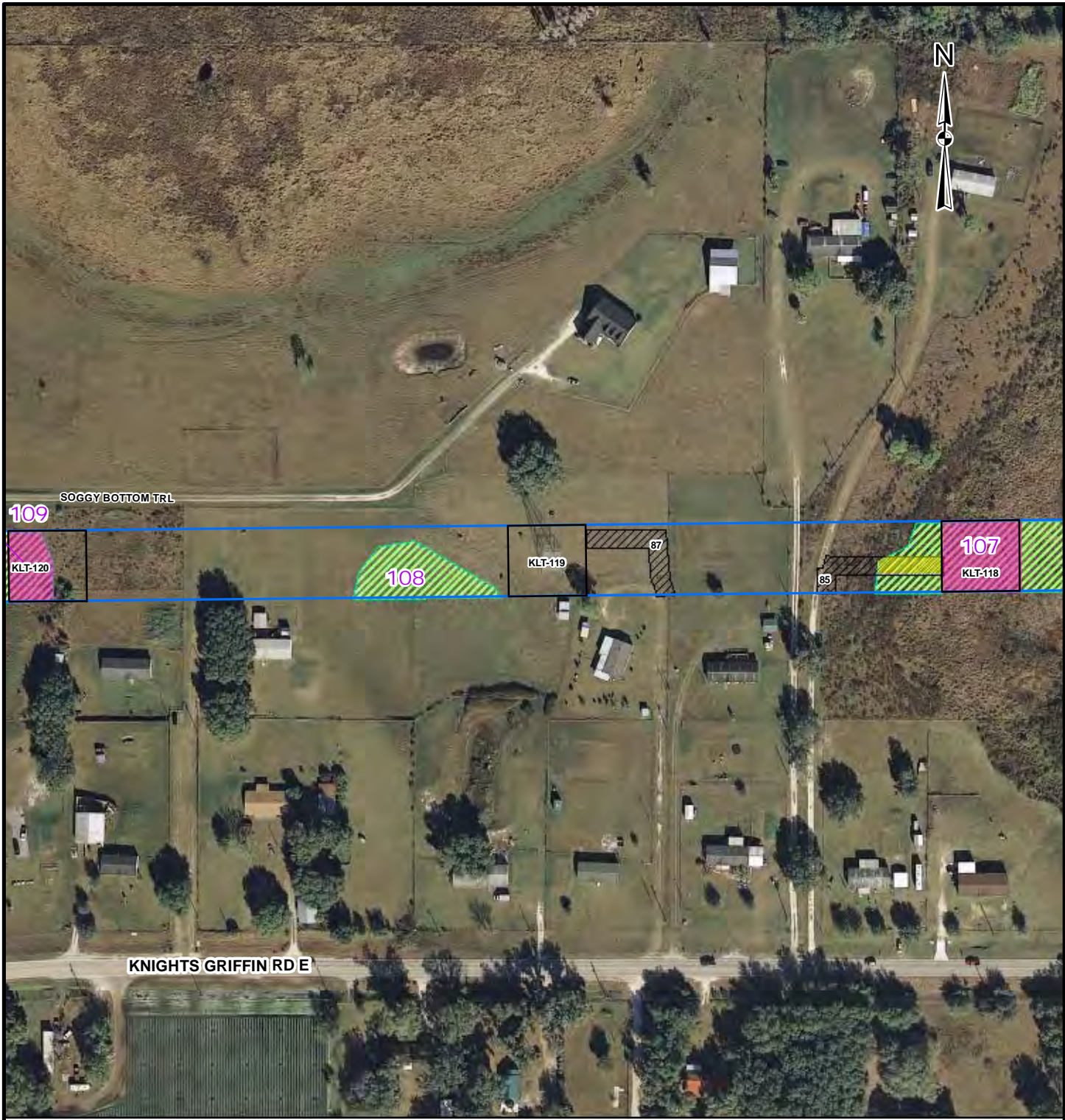
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1

PROGRESS ENERGY FLORIDA
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FIGURE
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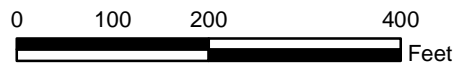
Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

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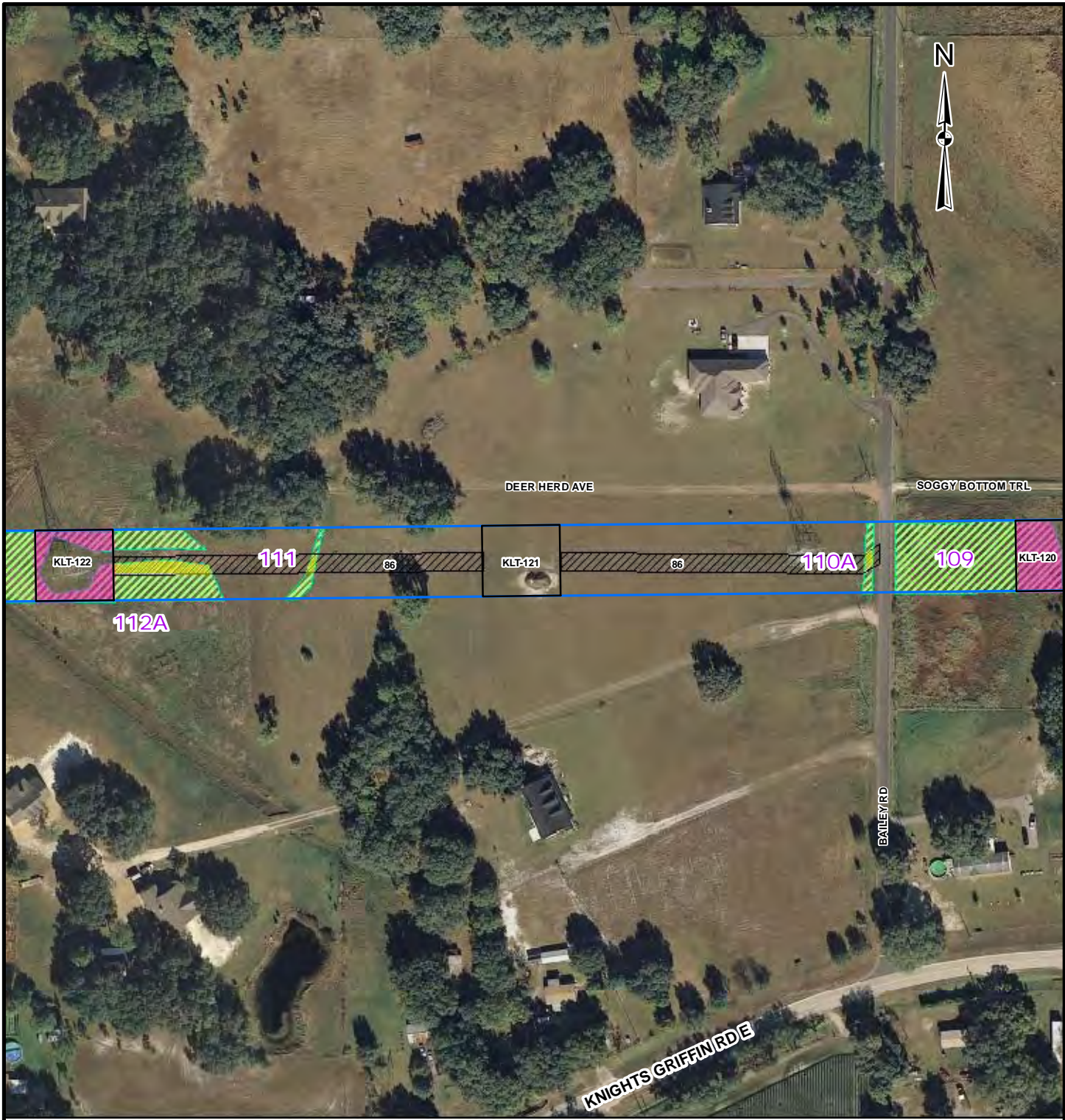
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
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PROGRESS ENERGY FLORIDA
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FIGURE **56 of 189**

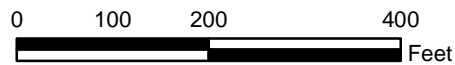
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LEGEND

- PHP Pad Locations
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PROJECT No.	093-89547	REV. 1

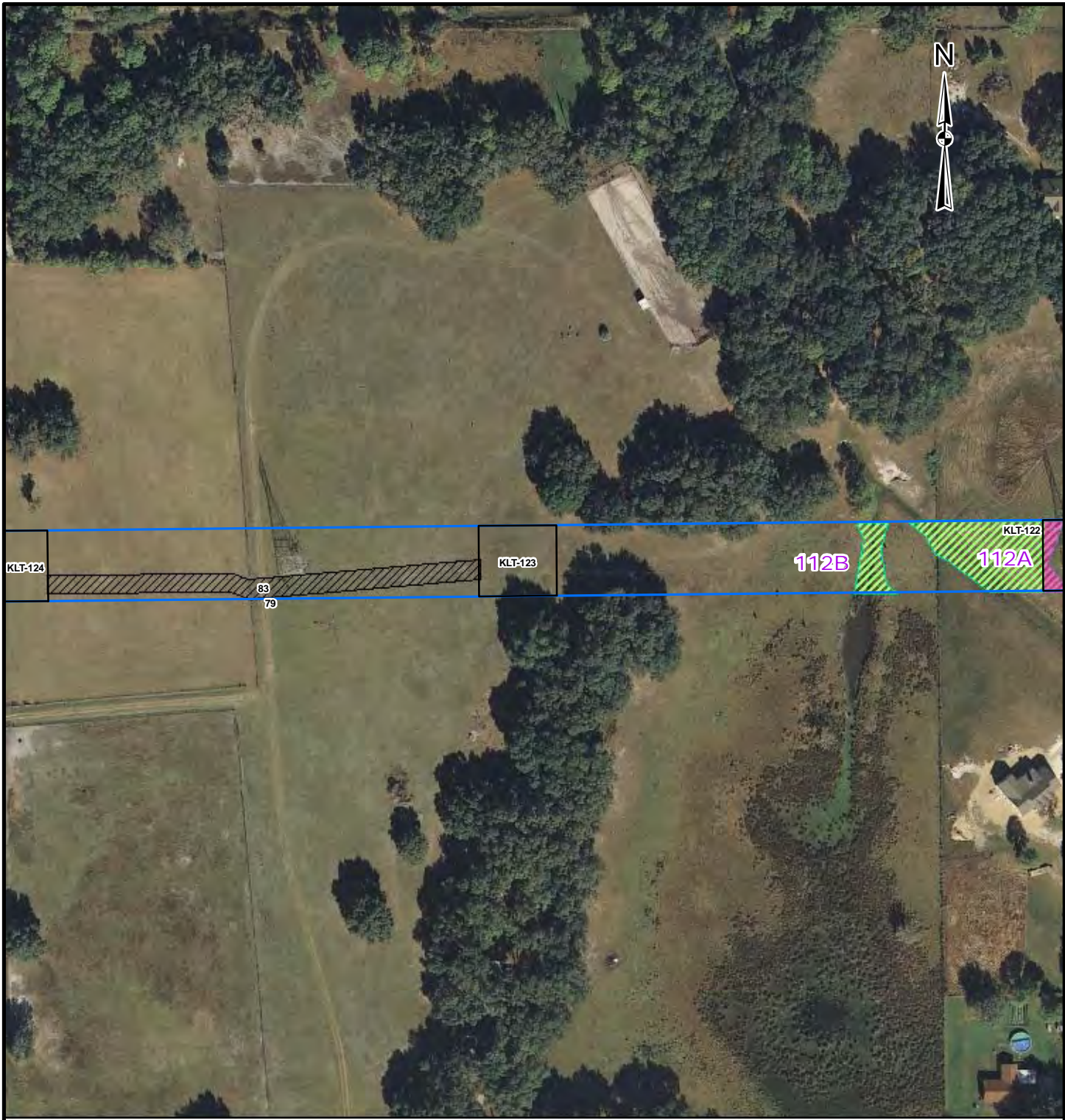
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DESIGN	KAB
GIS	NRL
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REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS






PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT



FIGURE
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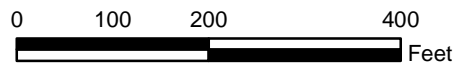
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LEGEND

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-  PHP Right-of-Way
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

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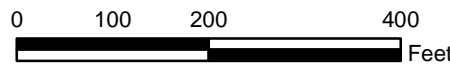
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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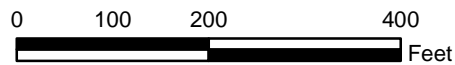
Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

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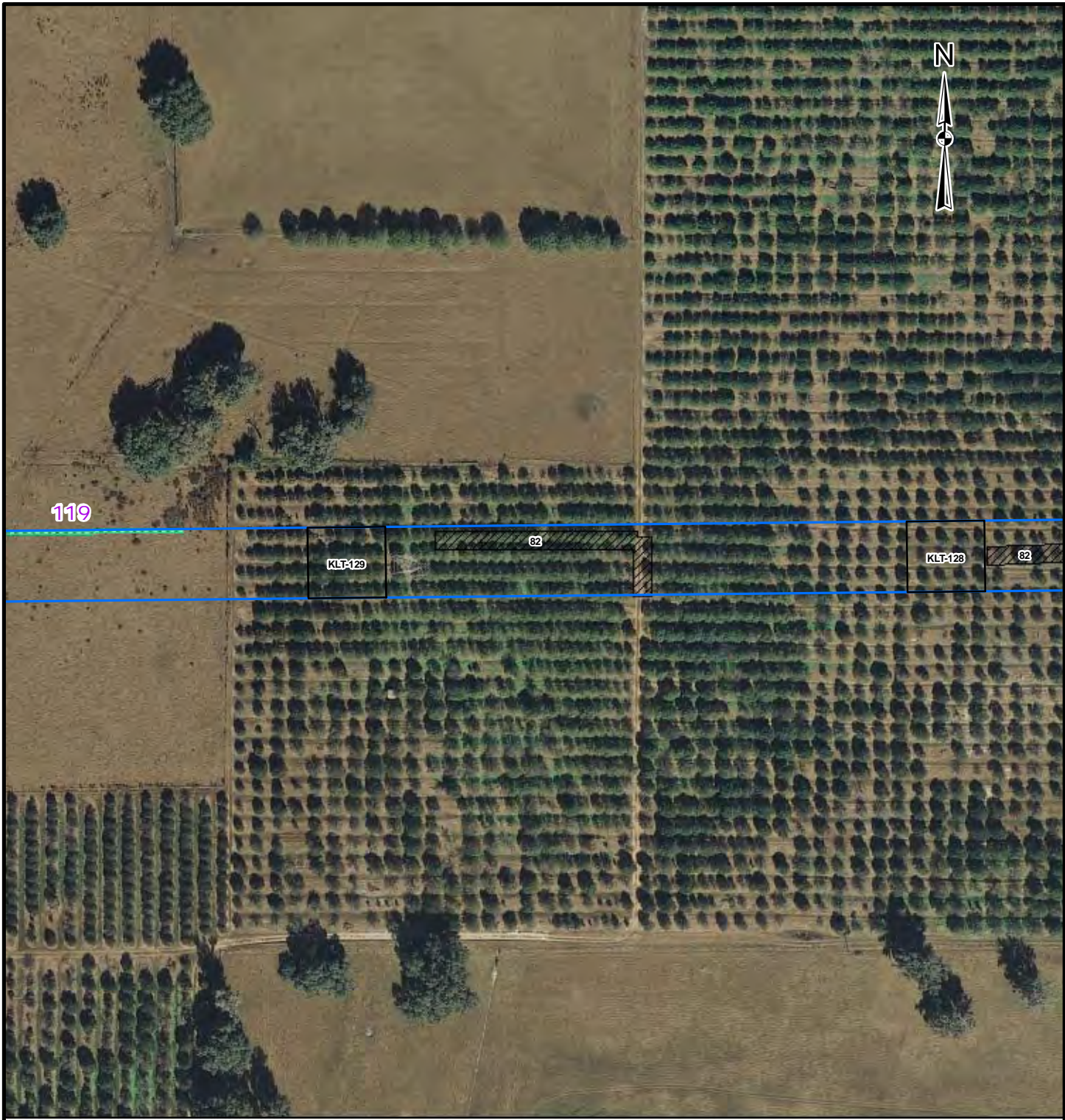
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GIS	NRL
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

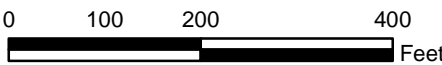
FIGURE
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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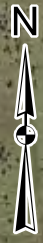
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SCALE	AS SHOWN
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<h2>POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS</h2>
<p>PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT</p>
<p>FIGURE 61 of 189</p>

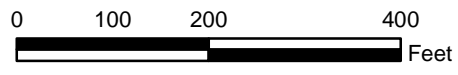
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LEGEND

- PHP Pad Locations
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Golder Associates
Gainesville, Florida

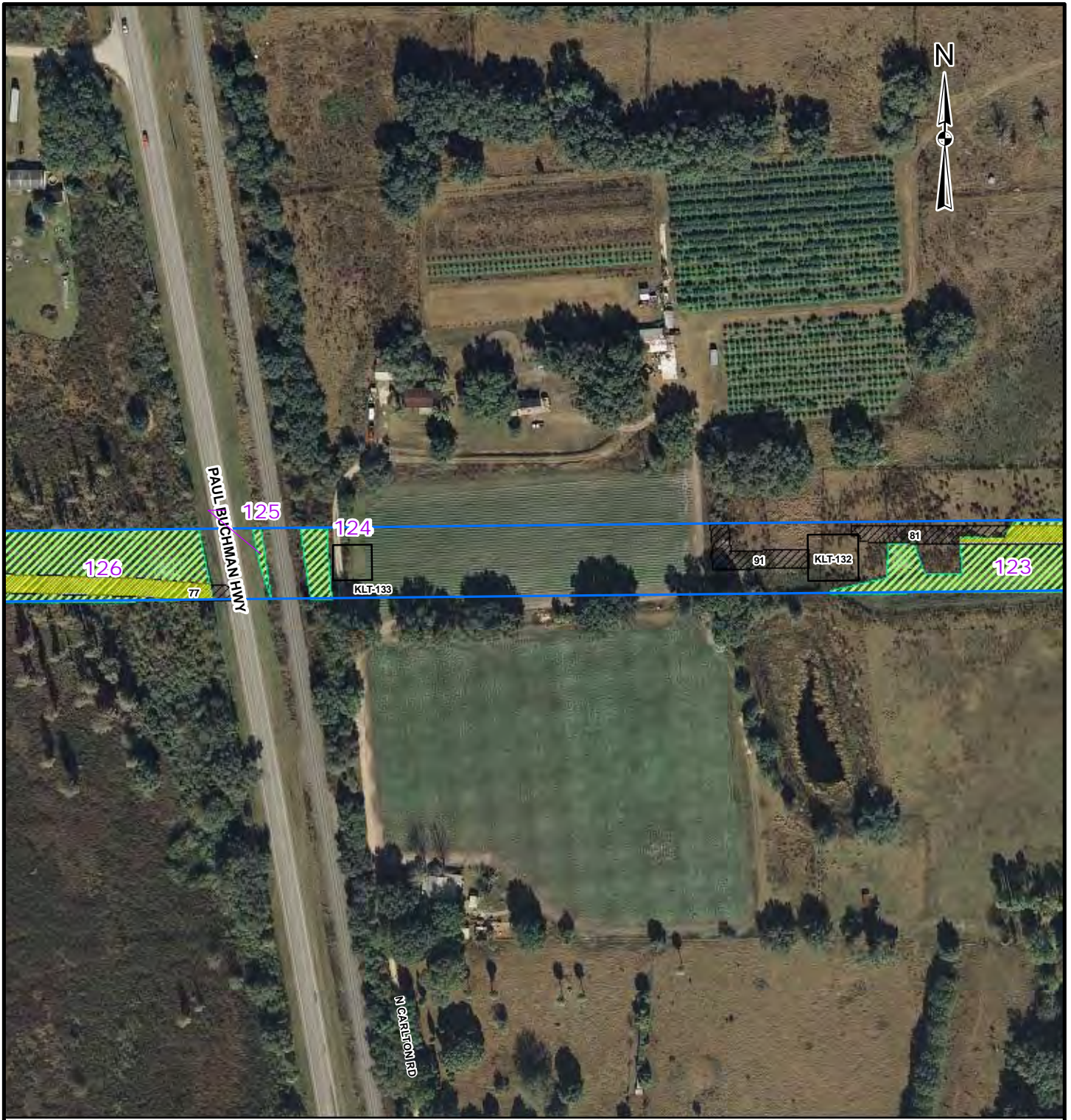
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 62 of 189
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Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

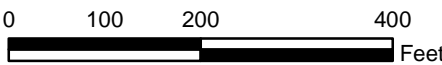
- PHP Pad Locations
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NOTES

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DESIGN	KAB
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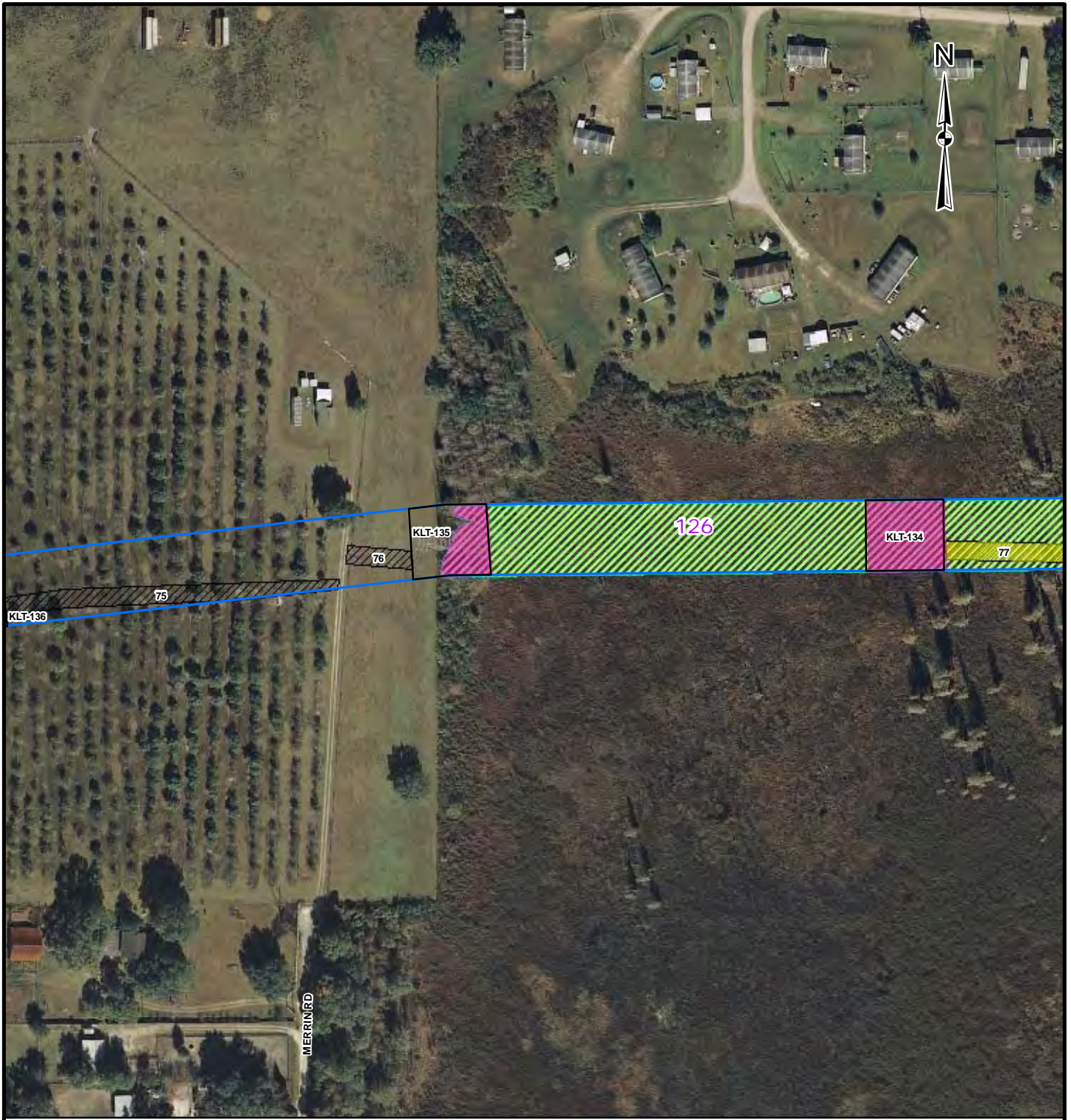
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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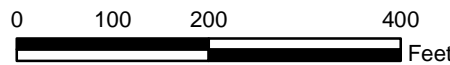
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LEGEND

- PHP Pad Locations
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NOTES
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<p>Golder Associates Gainesville, Florida</p>	SCALE	AS SHOWN	
	DATE	2/18/2010	
FILE No.	09389547Z001	DESIGN	KAB
PROJECT No.	093-89547	GIS	NRL
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		REVIEW	KAB

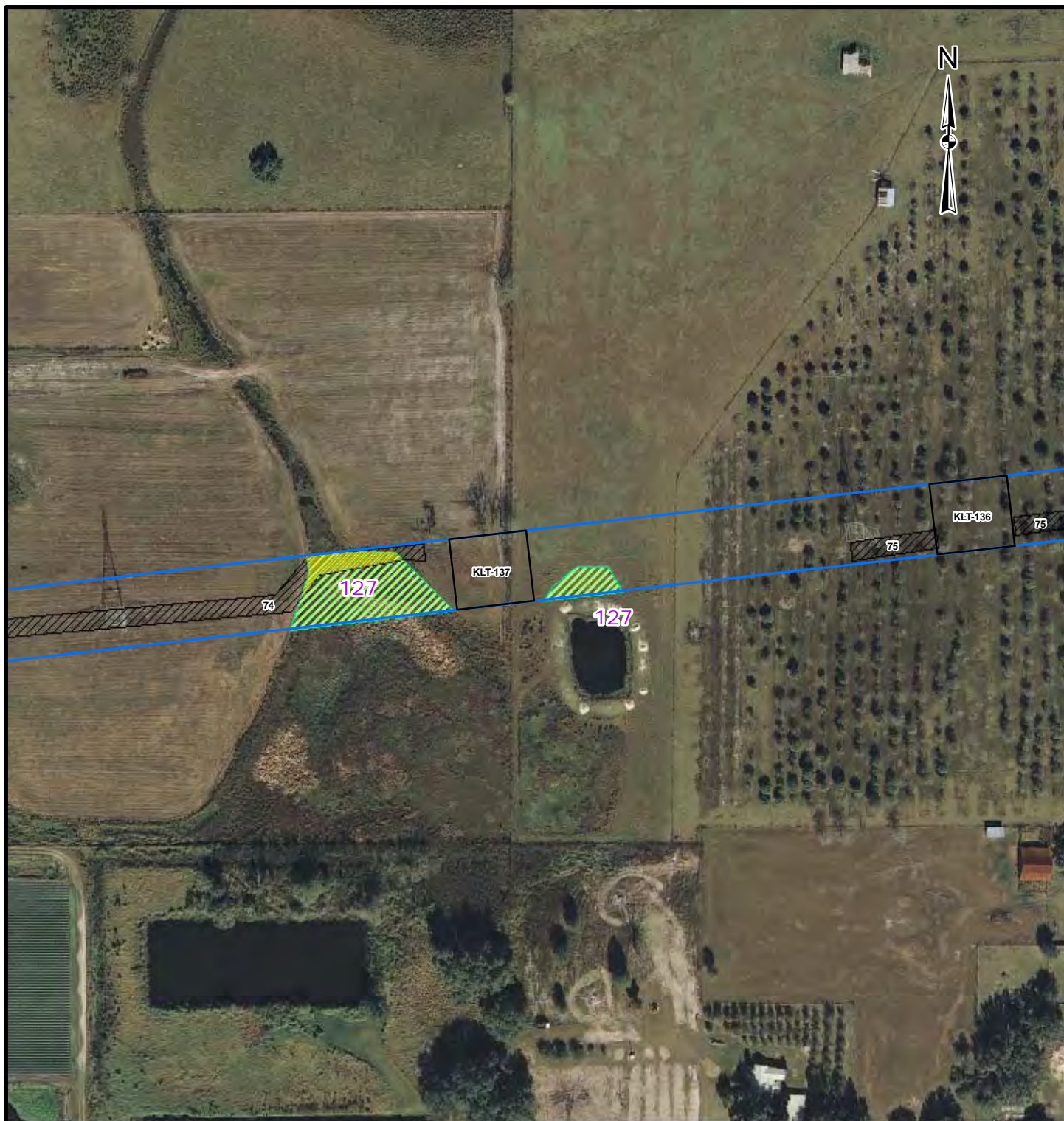
**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlamar

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LEGEND

- PHP Pad Locations
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DESIGN	KAB
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **65 of 189**



LEGEND

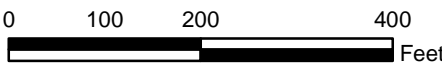
- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

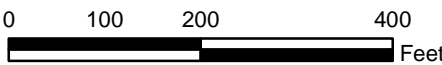
- PHP Pad Locations
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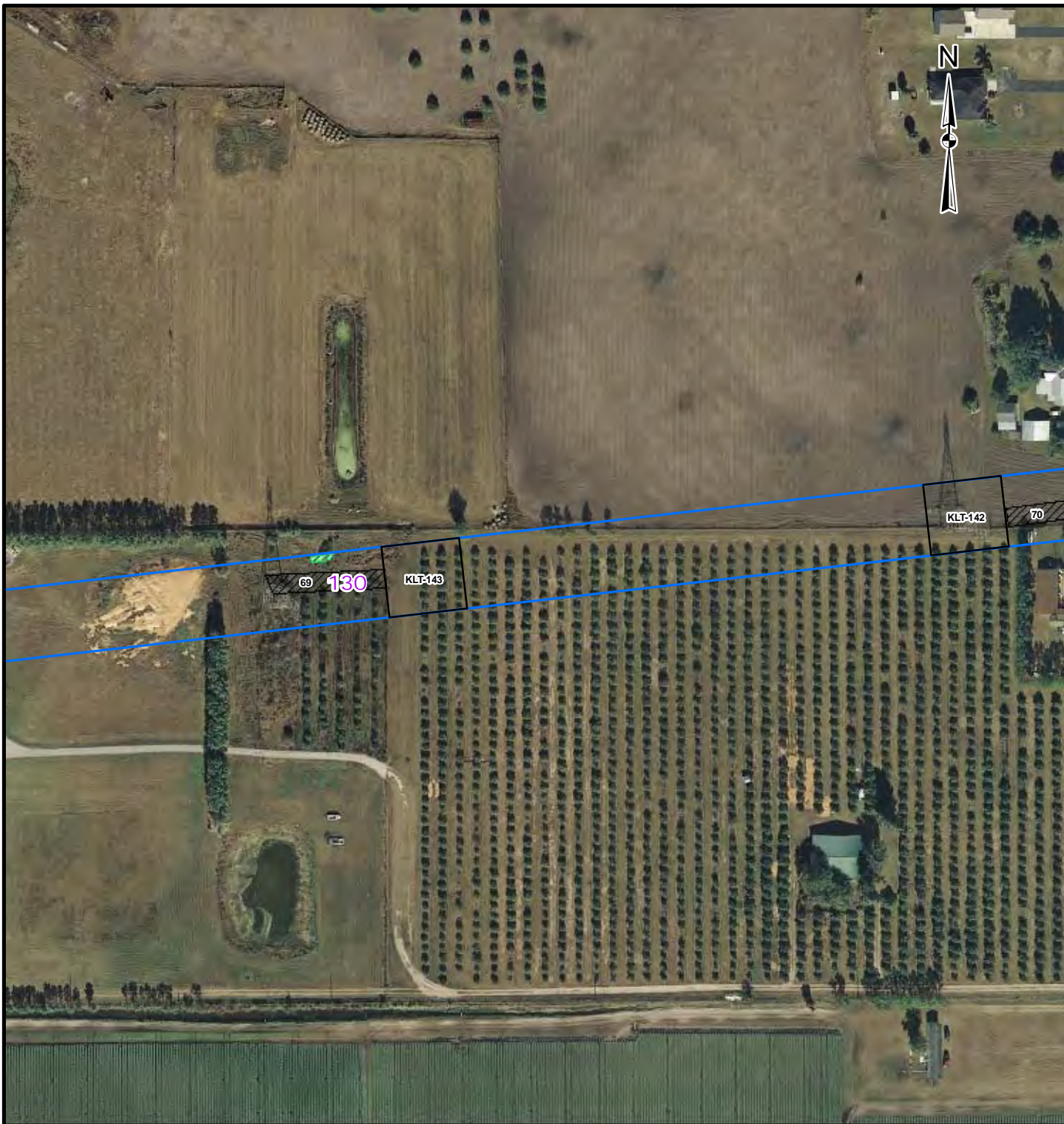
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

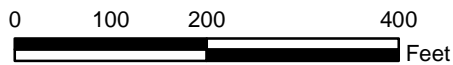
FIGURE
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LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
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Golder Associates
Gainesville, Florida

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

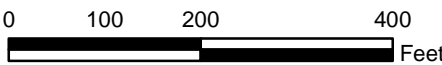
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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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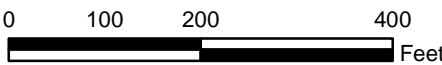


LEGEND

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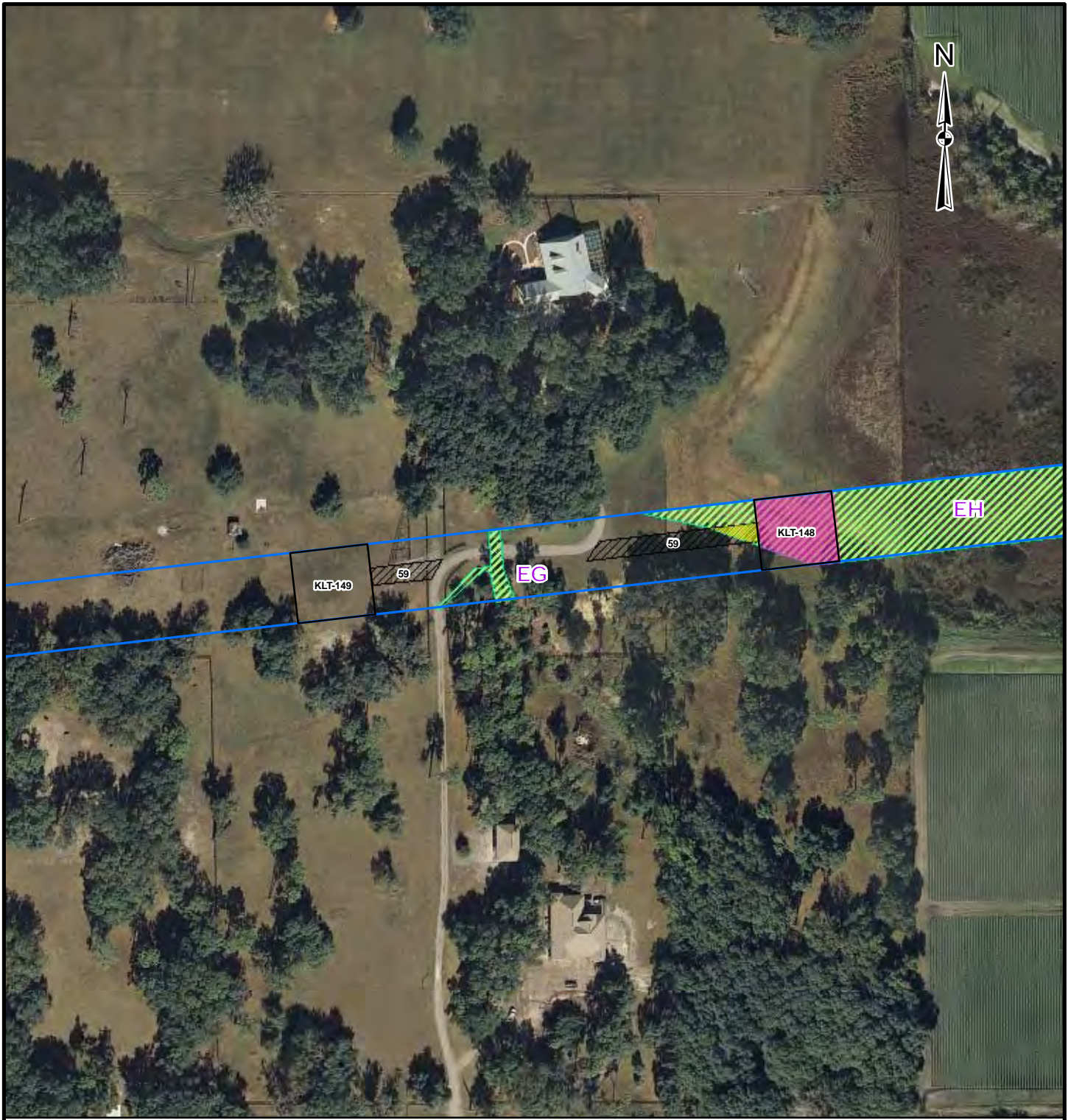
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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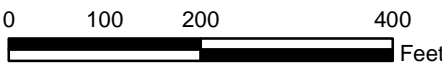
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PROJECT No. 093-89547 **REV.** 1

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS






PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT



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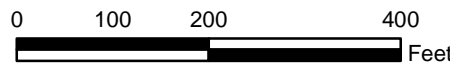
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LEGEND

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SCALE	AS SHOWN
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DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

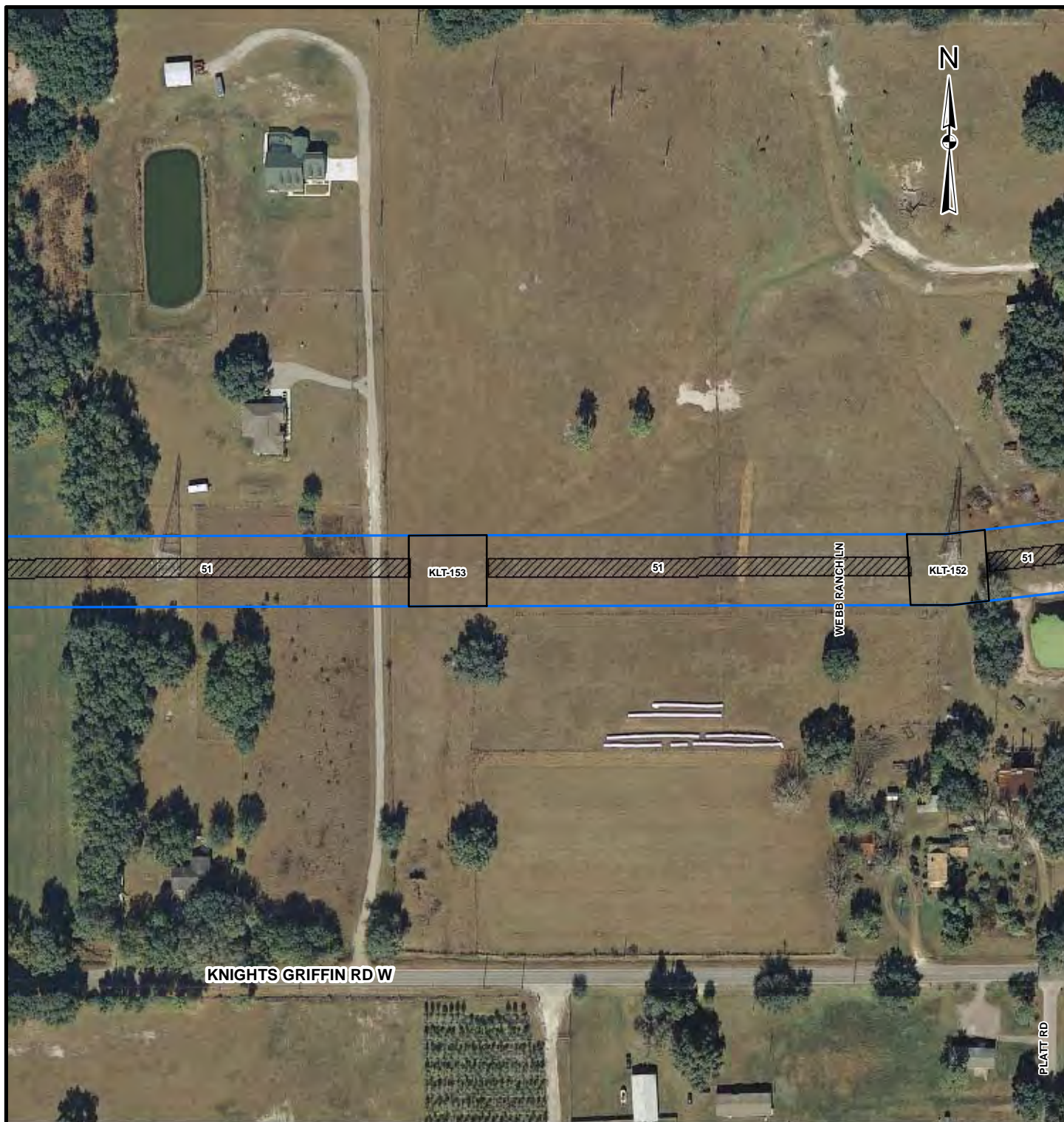
FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **72 of 189**

Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

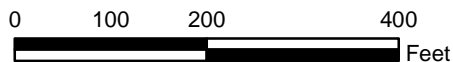
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
-  Surveyed Wetland Boundaries



REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



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DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1



PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

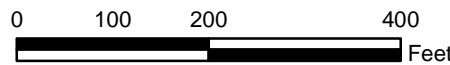
FIGURE
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LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
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DESIGN	KAB
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REVIEW	KAB

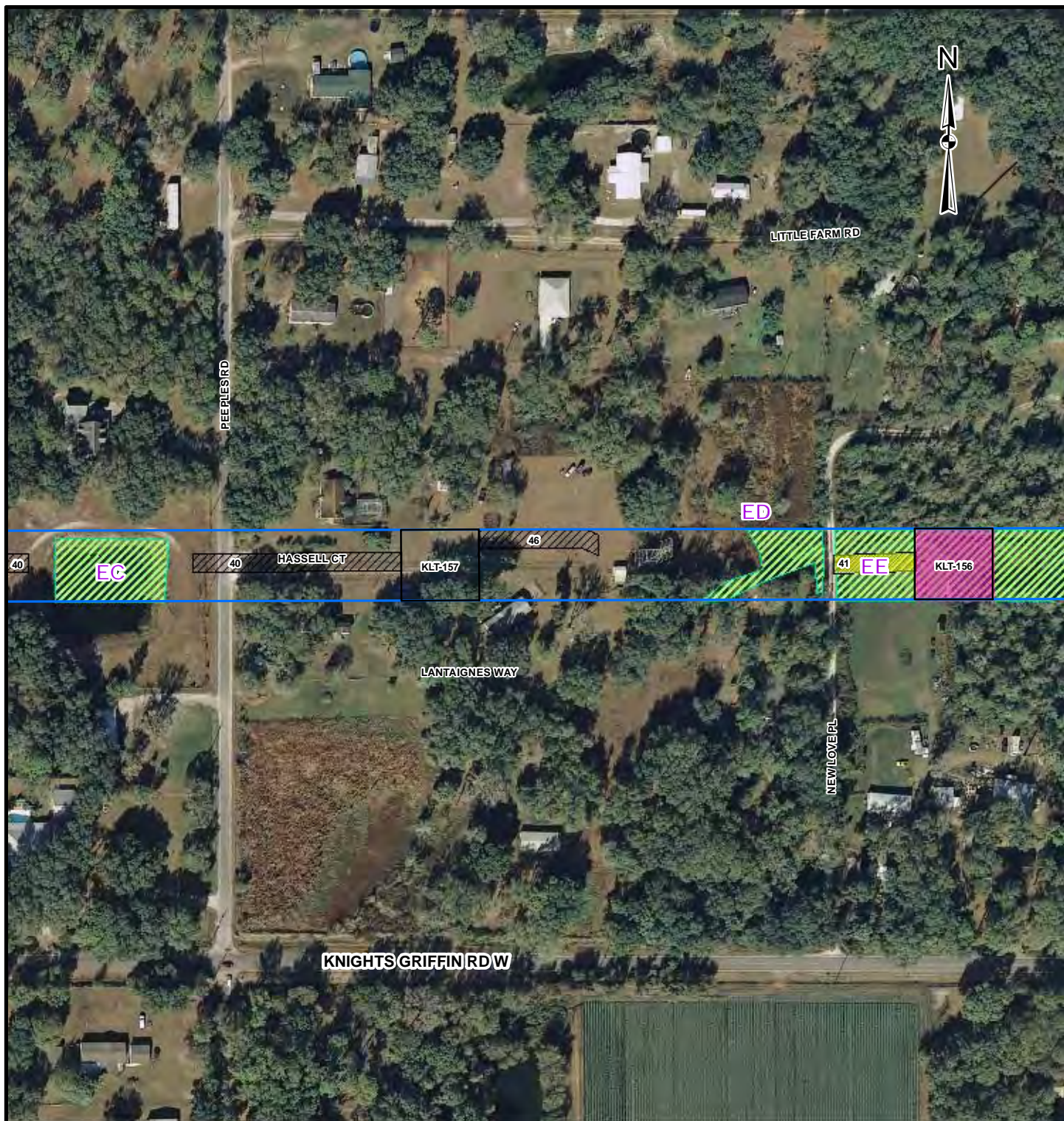
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **74 of 189**

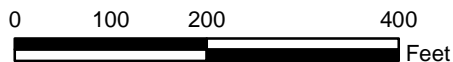
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
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		SCALE	AS SHOWN
		DATE	2/18/2010
FILE No. 09389547Z001 PROJECT No. 093-89547		DESIGN	KAB
		GIS	NRL
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		REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

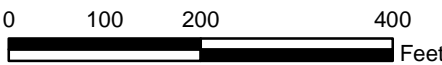
FIGURE
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **76 of 189**

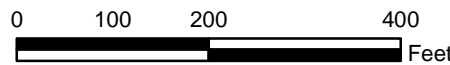
Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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<p>Golder Associates Gainesville, Florida</p>	SCALE	AS SHOWN
	DATE	2/18/2010
	DESIGN	KAB
	GIS	NRL
FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1
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REVIEW	KAB	

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
77 of 189

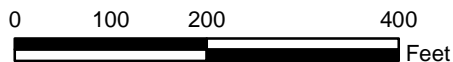
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlamar



LEGEND

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DATE	2/18/2010
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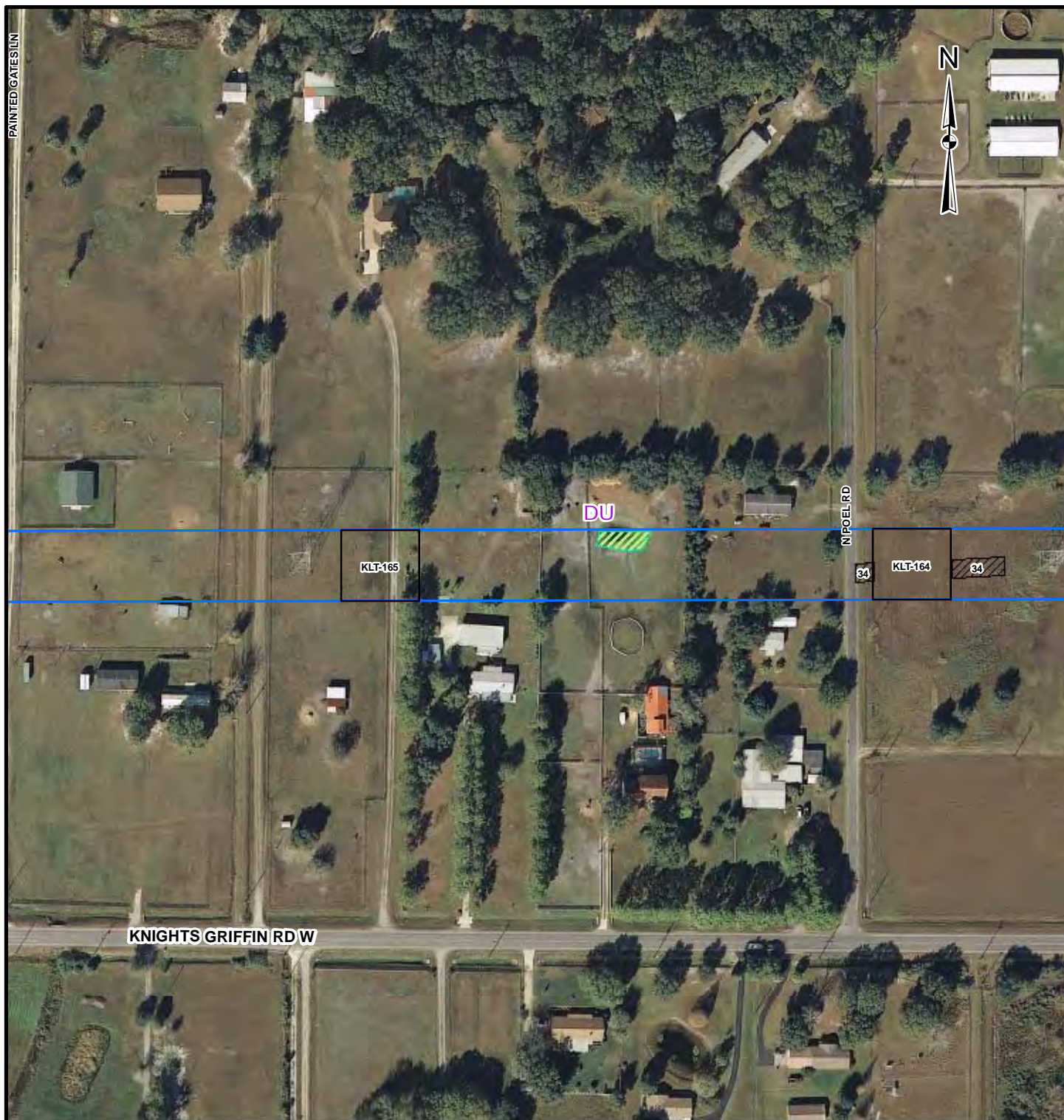
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
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FIGURE **78 of 189**

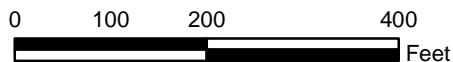
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LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
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DESIGN	KAB
GIS	NRL
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REVIEW	KAB

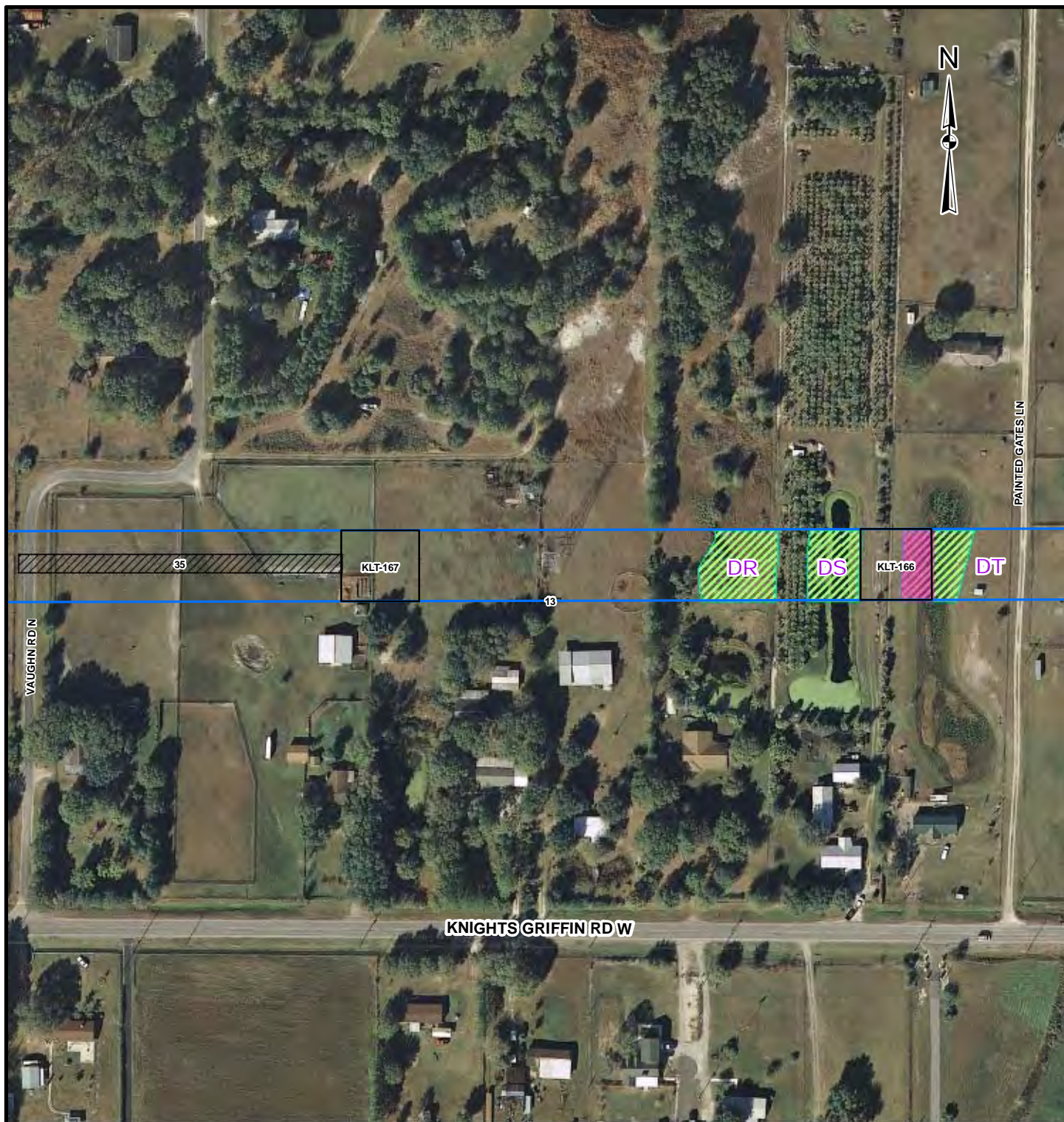
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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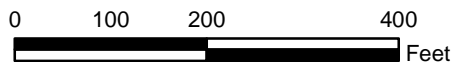
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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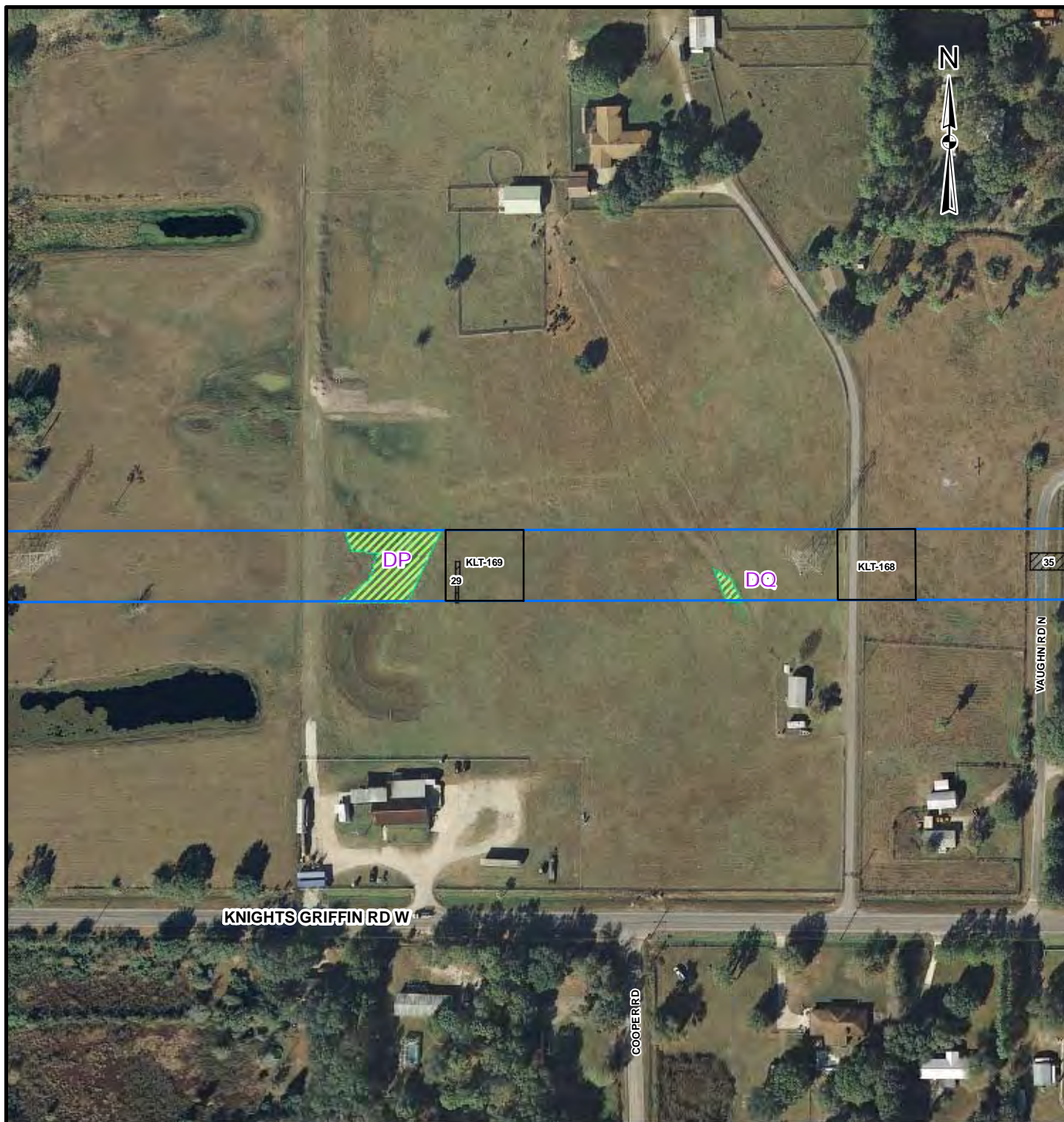
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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FIGURE
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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FIGURE **81 of 189**

Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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SCALE AS SHOWN

DATE 2/18/2010

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FILE No. 09389547Z001

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PROJECT No. 093-89547 REV. 1

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE

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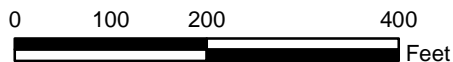
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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NOTES

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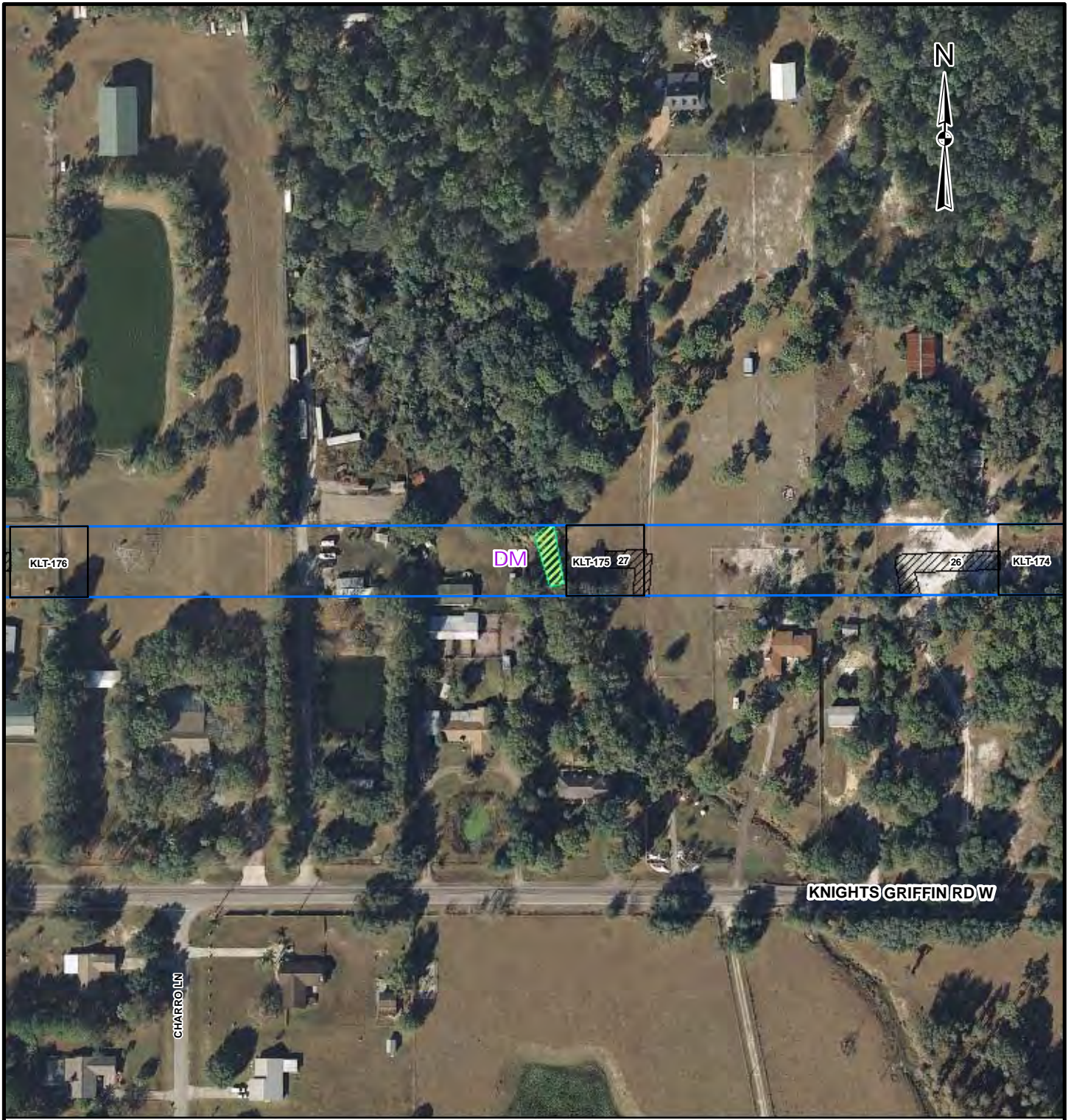
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PROJECT No.	093-89547 REV. 1

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

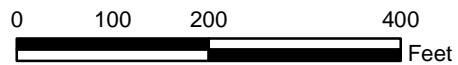
FIGURE
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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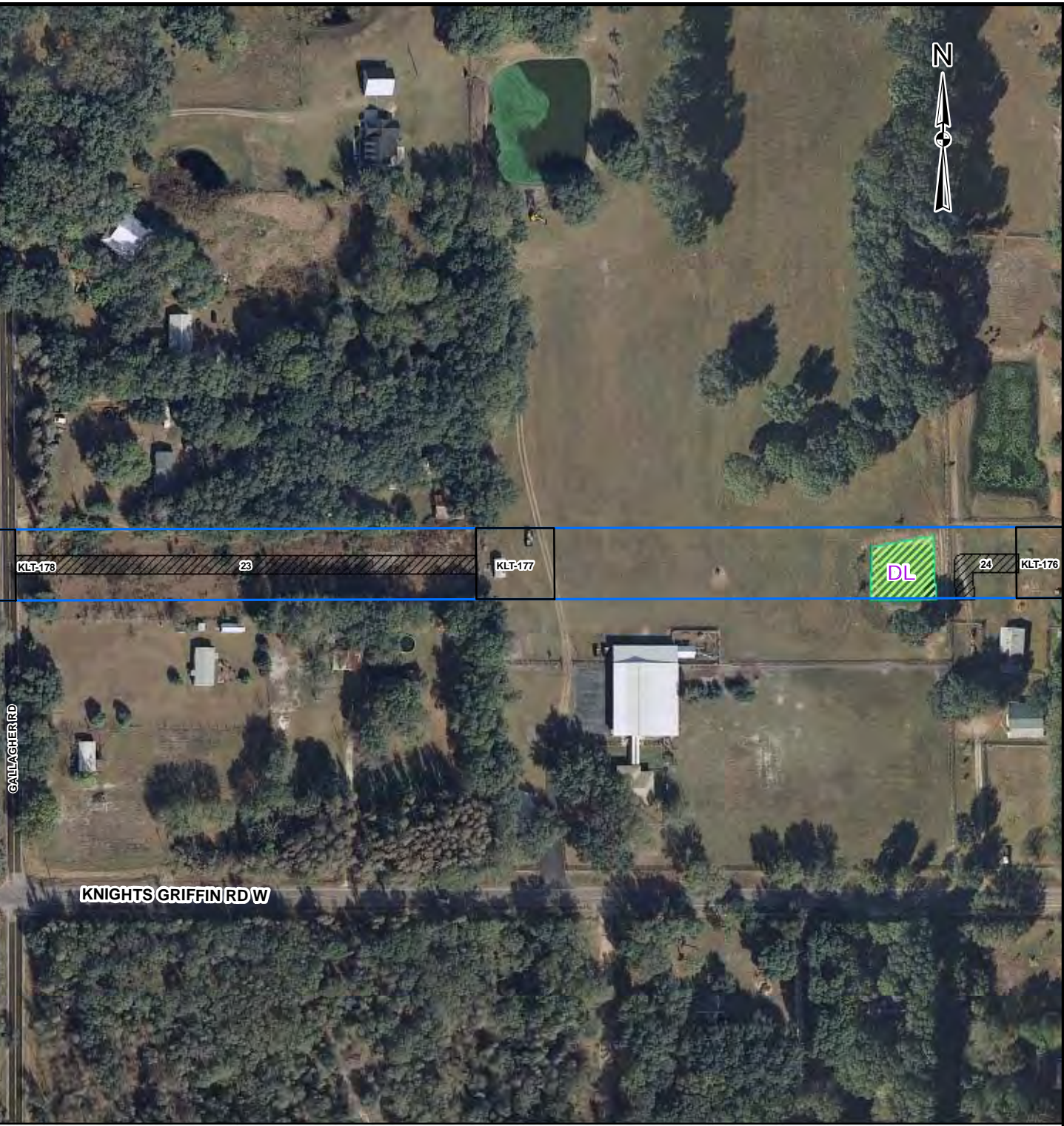
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROJECT No.	093-89547	REV. 1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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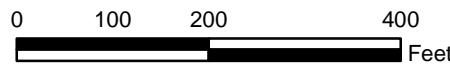
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

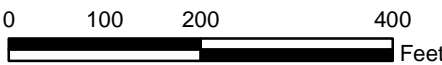
FIGURE
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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PROJECT No.	093-89547
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SCALE	AS SHOWN
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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FIGURE
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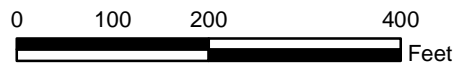


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LEGEND

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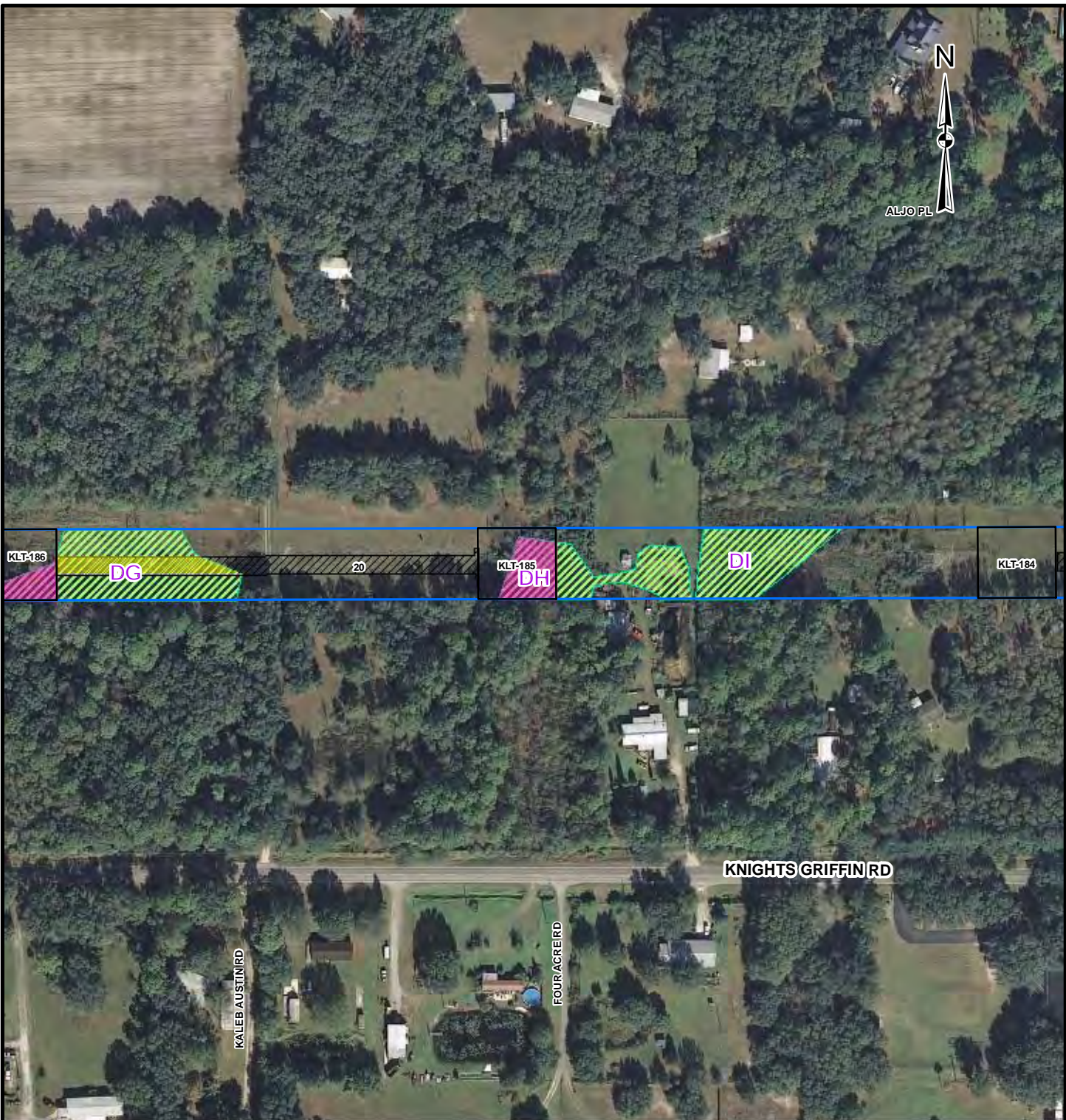
NOTES

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	GIS	NRL
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PROJECT No.	093-89547	REV. 1
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POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 88 of 189
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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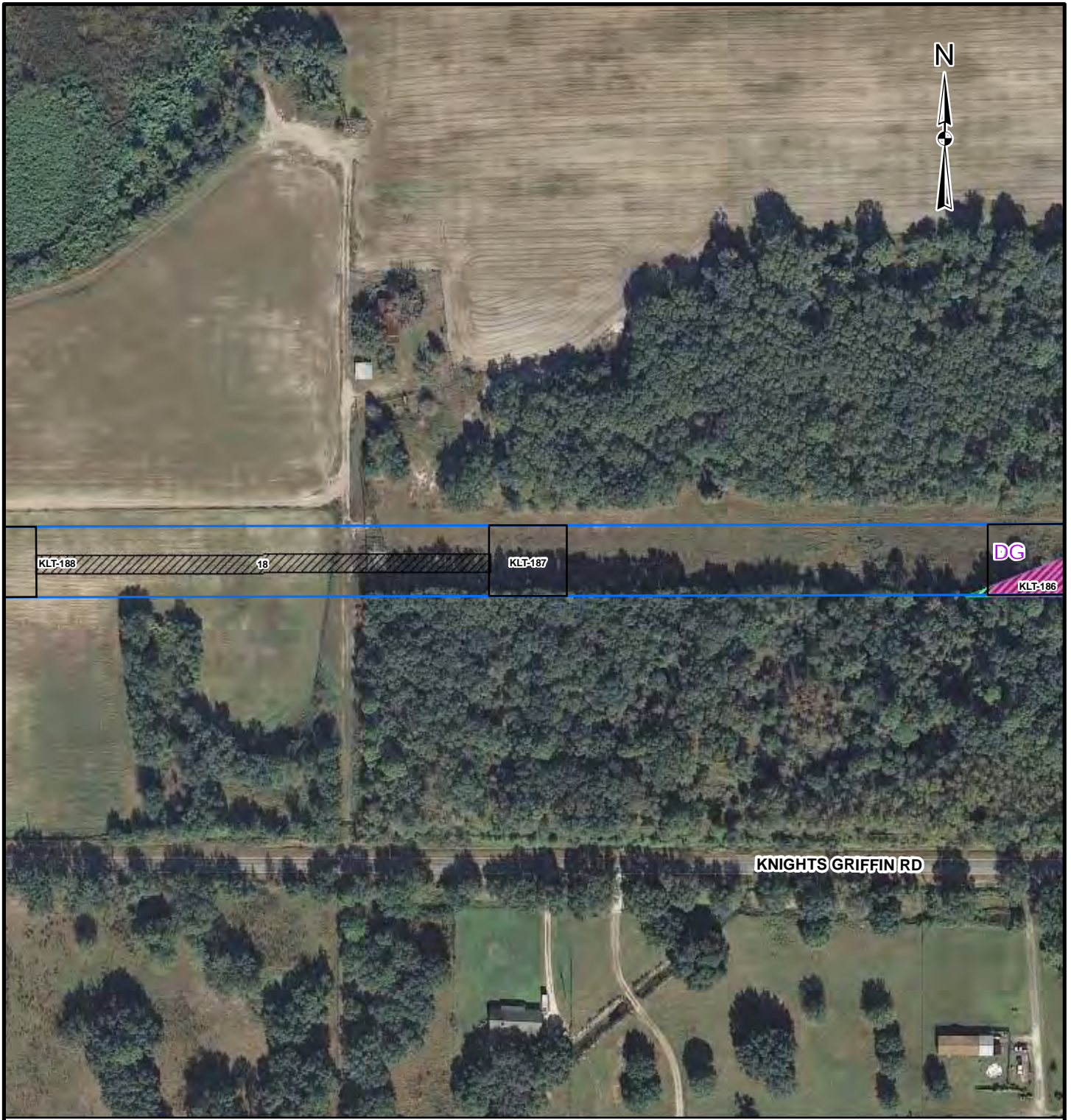
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

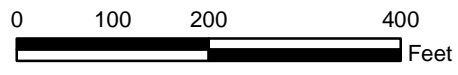
FIGURE **89 of 189**



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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Golder Associates
Gainesville, Florida

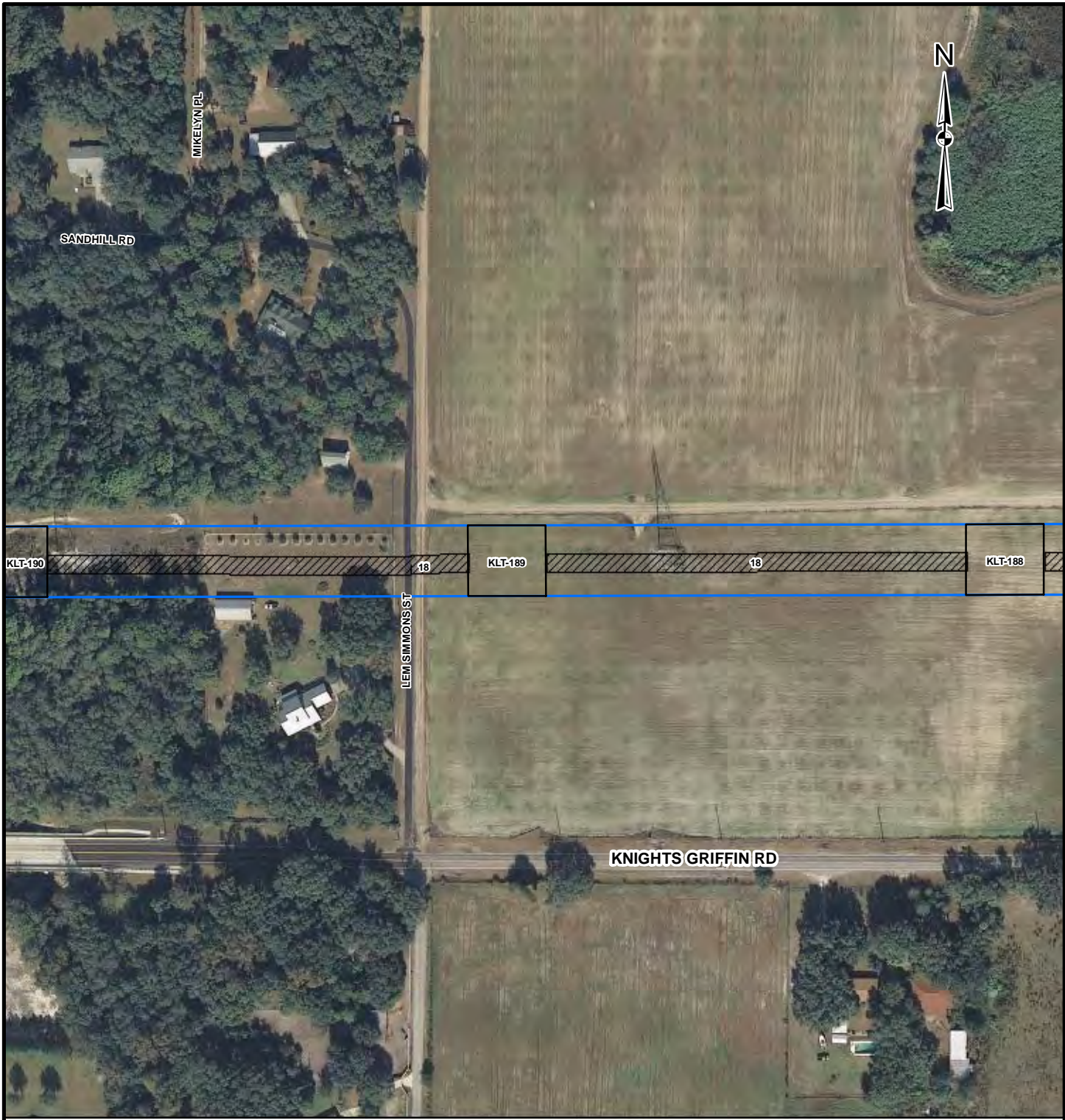
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PROJECT No.	093-89547	REV. 1

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 90 of 189
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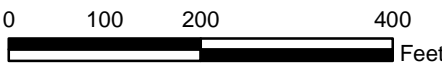
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LEGEND

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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

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FILE No. 09389547Z001
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SCALE	AS SHOWN
DATE	2/18/2010
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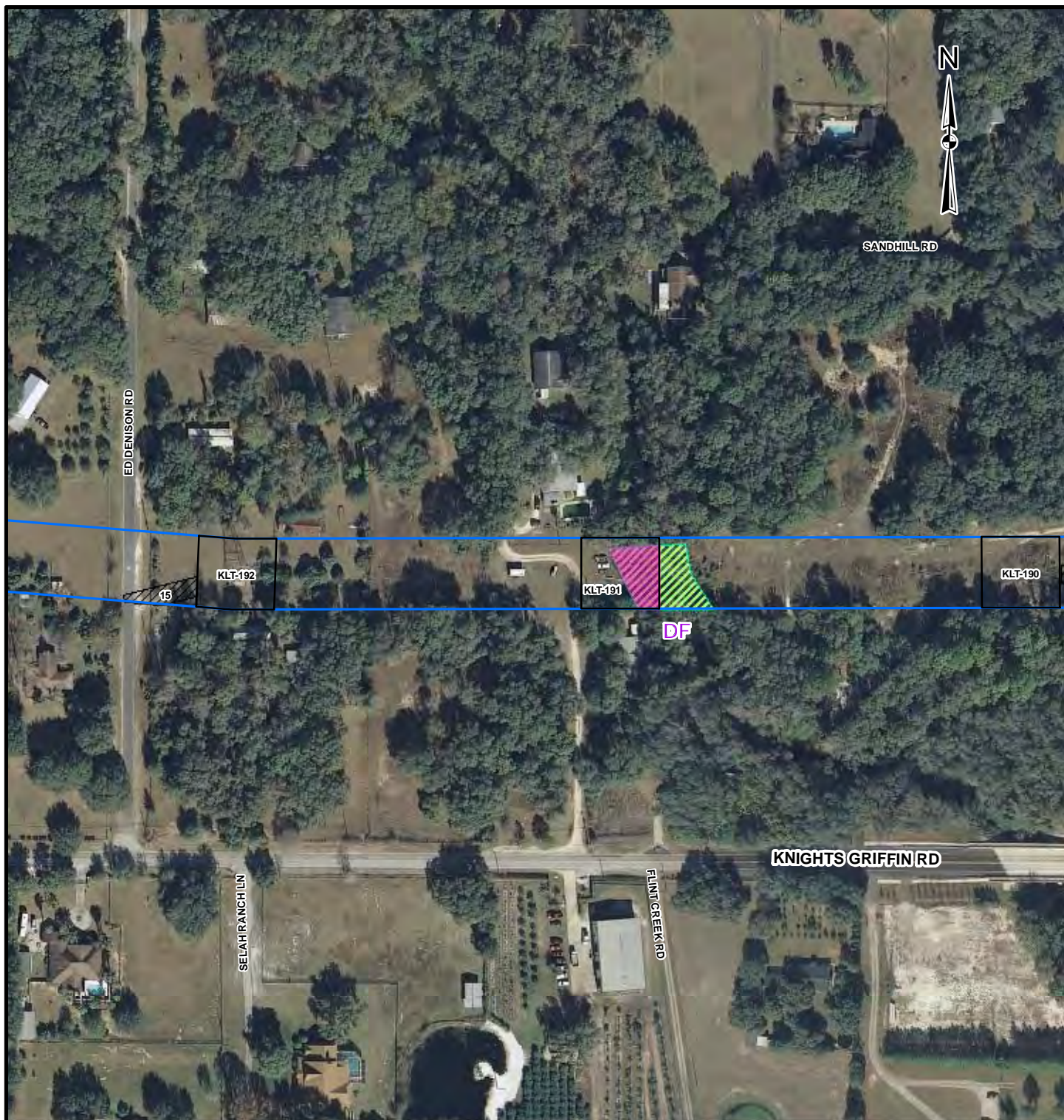
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 91 of 189

Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

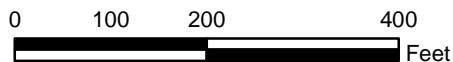
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LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
-  Surveyed Wetland Boundaries



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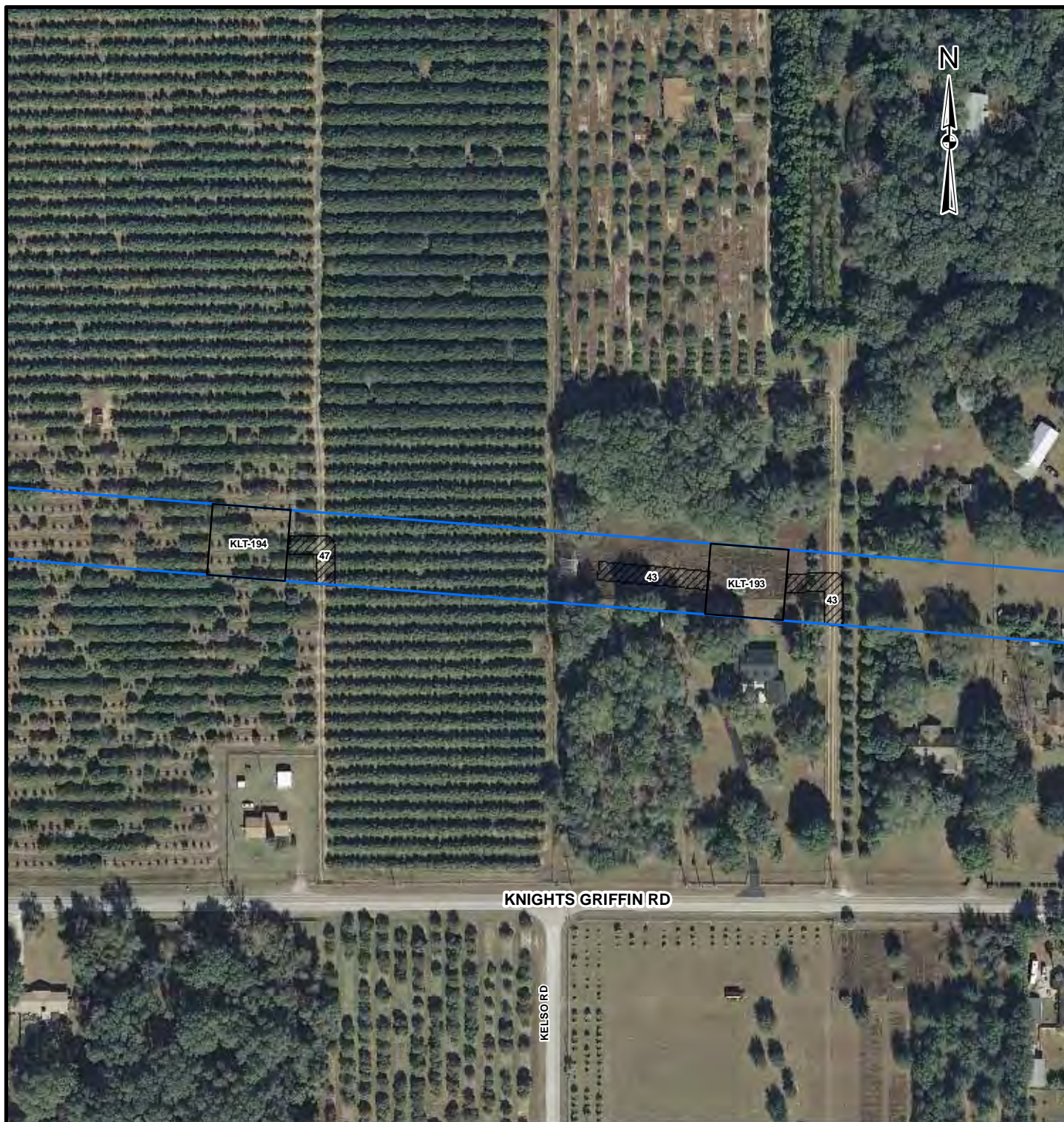
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROJECT No.	093-89547	REV. 1

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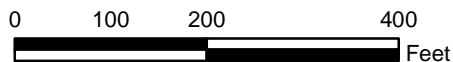
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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- PHP Access Roads

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

-  PHP Pad Locations
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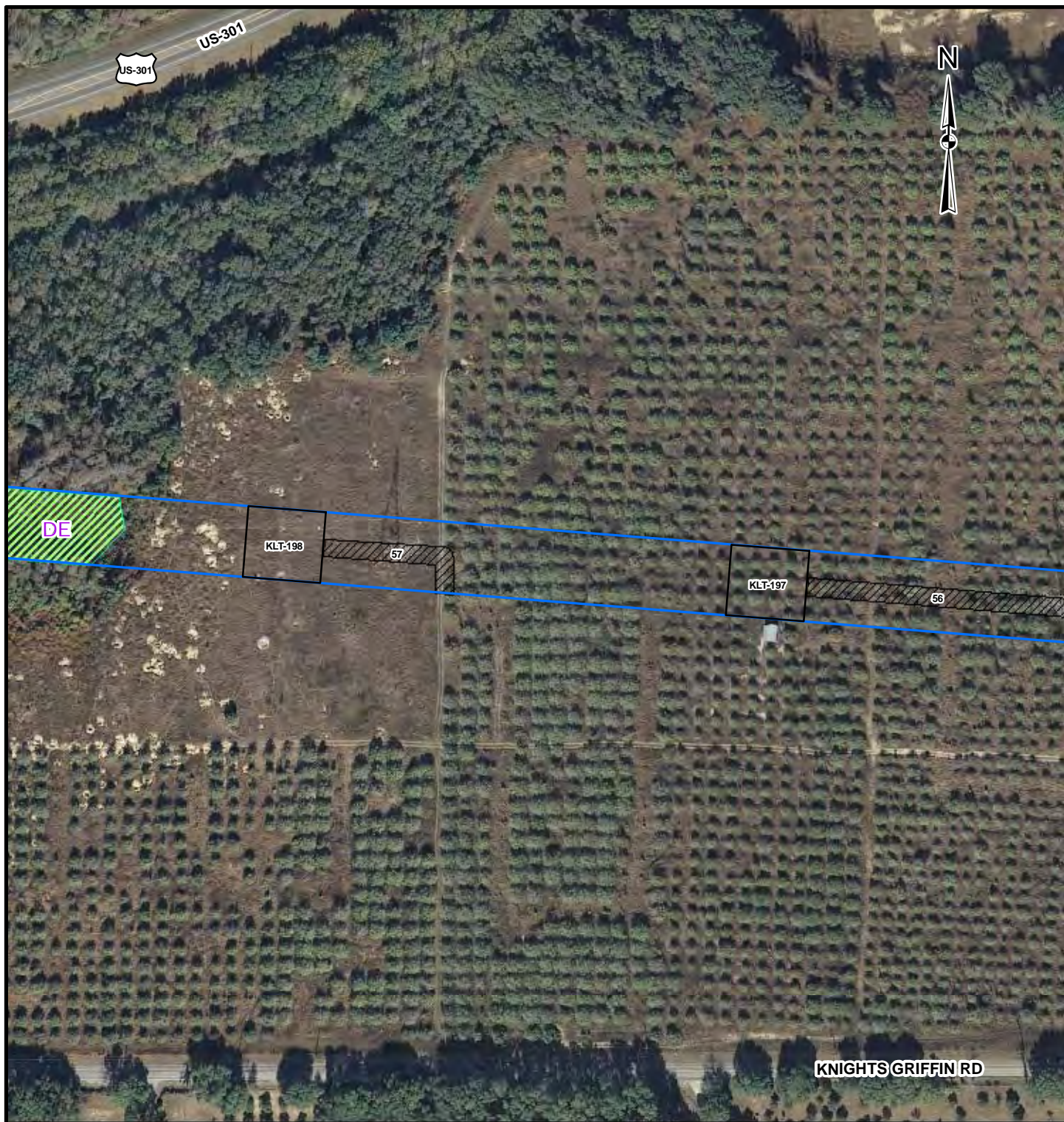
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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- PHP Pad Locations
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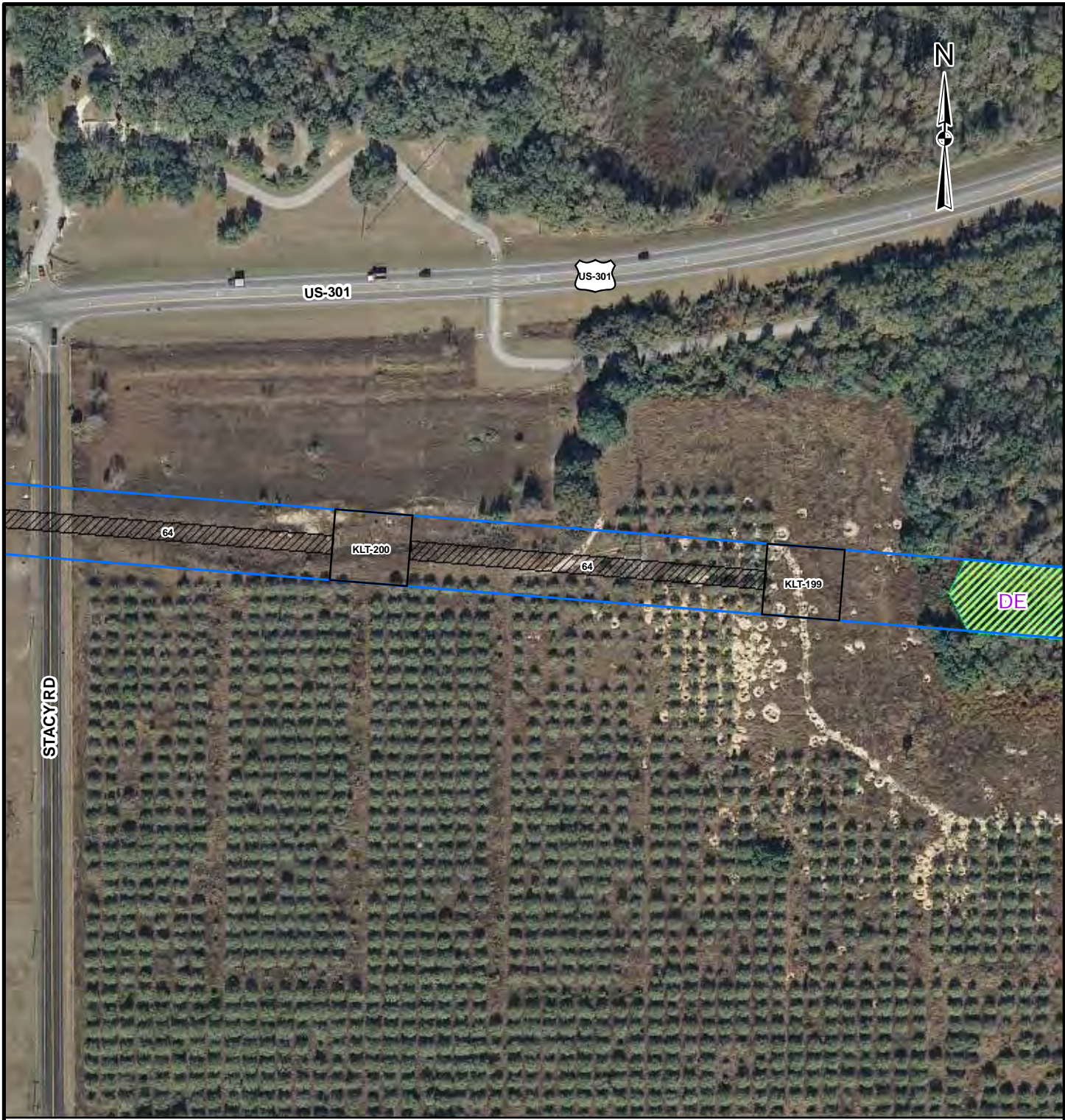
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

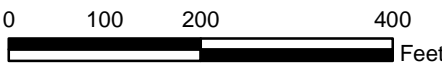
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LEGEND

- PHP Pad Locations
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<p>Golder Associates Gainesville, Florida</p>	SCALE	AS SHOWN	
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**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

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Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

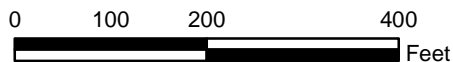
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

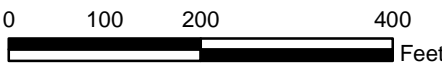
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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

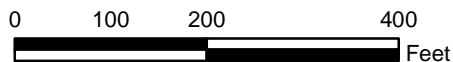
FIGURE
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LEGEND

-  PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

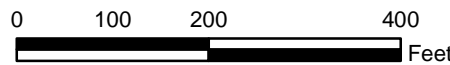
FIGURE
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LEGEND

- PHP Pad Locations
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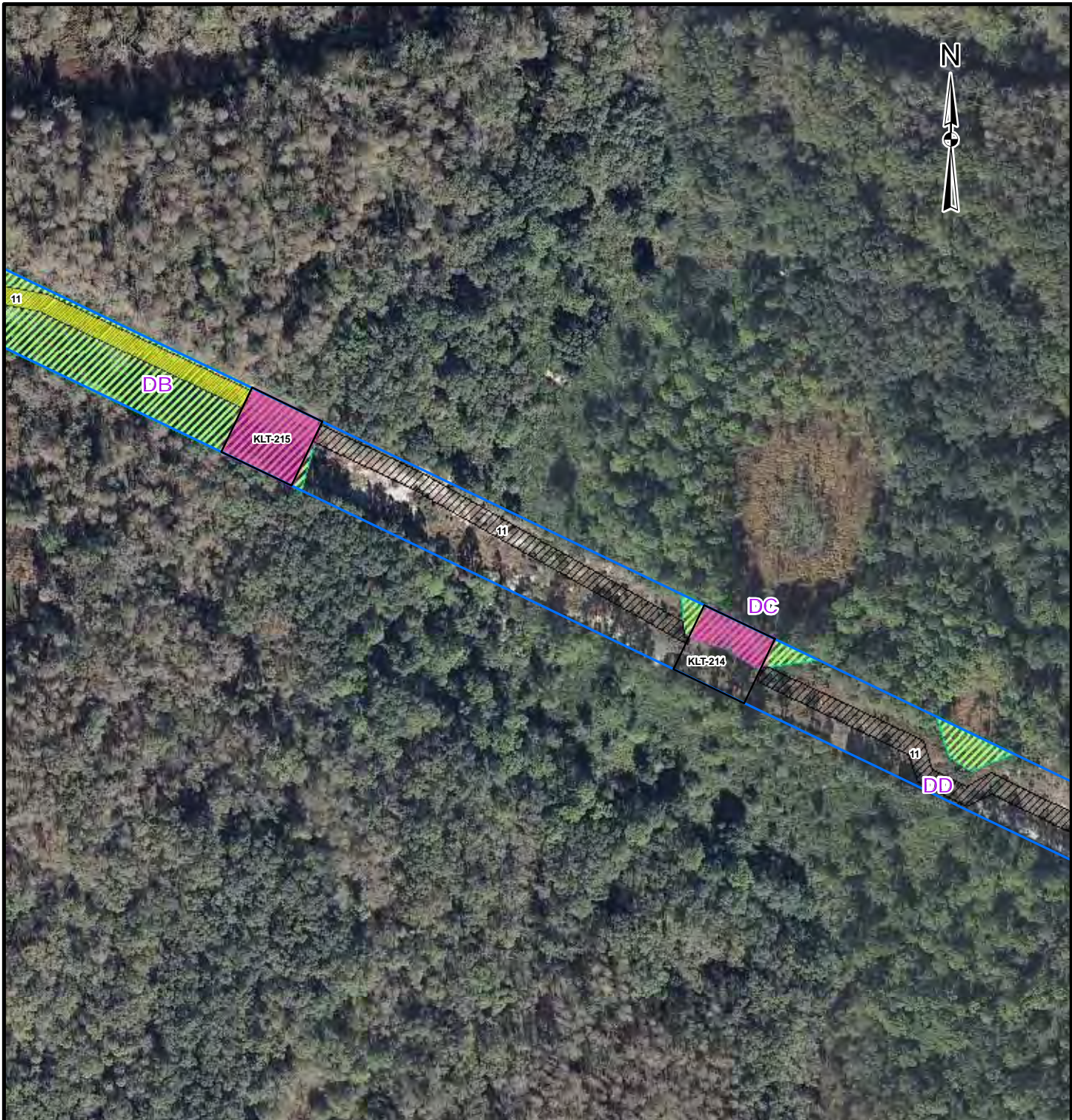
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

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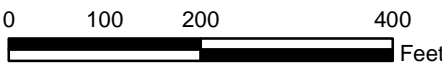
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LEGEND

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Golder Associates
Gainesville, Florida

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

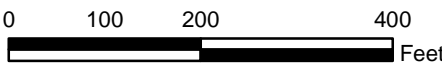
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Gainesville, Florida

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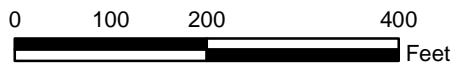
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LEGEND

-  PHP Pad Locations
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**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

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LEVY BASELOAD PROJECT

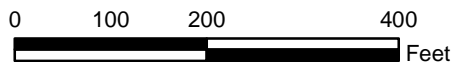
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LEGEND

-  PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

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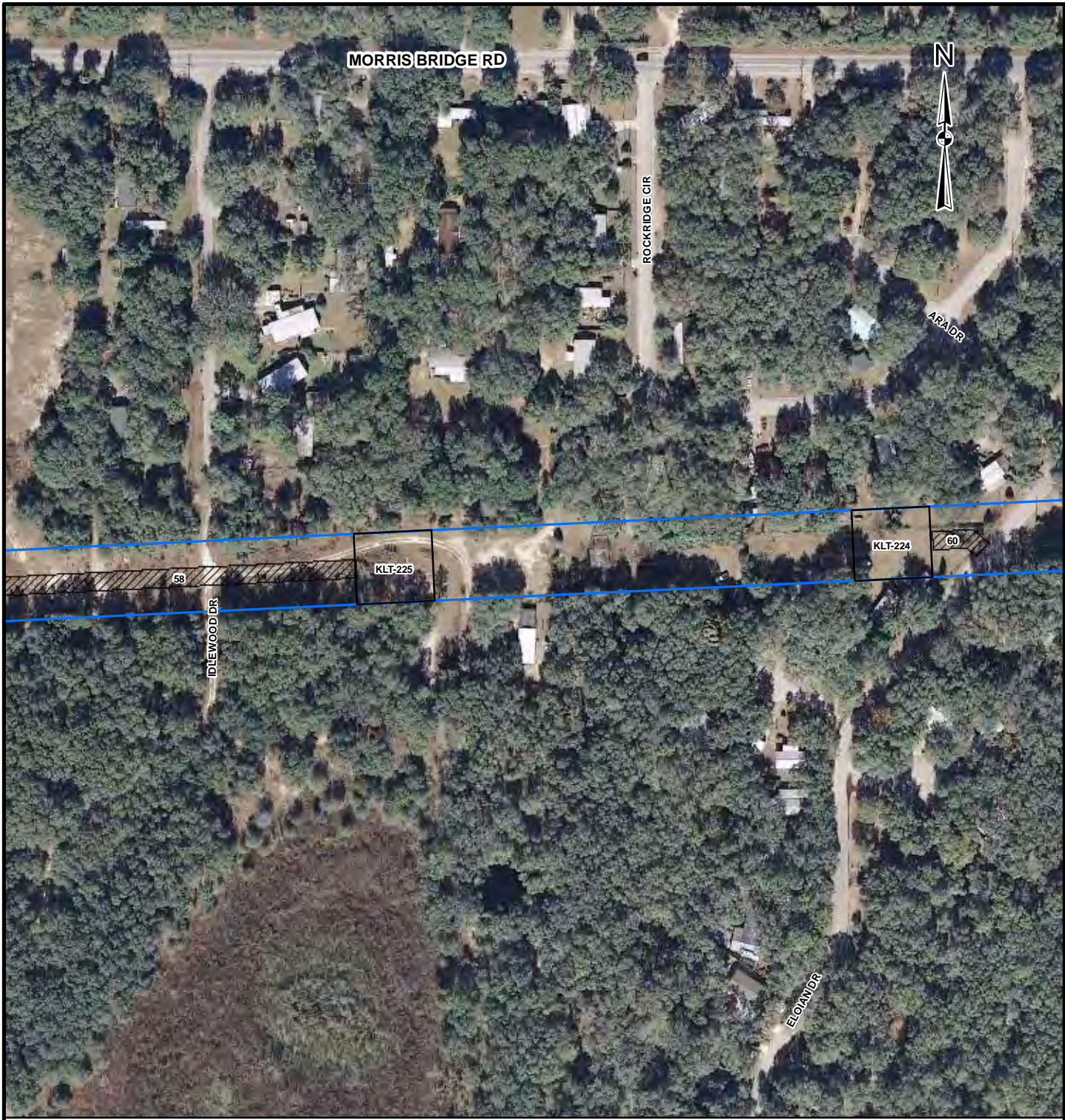
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PROGRESS ENERGY FLORIDA
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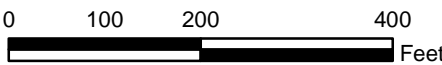
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LEGEND

- PHP Pad Locations
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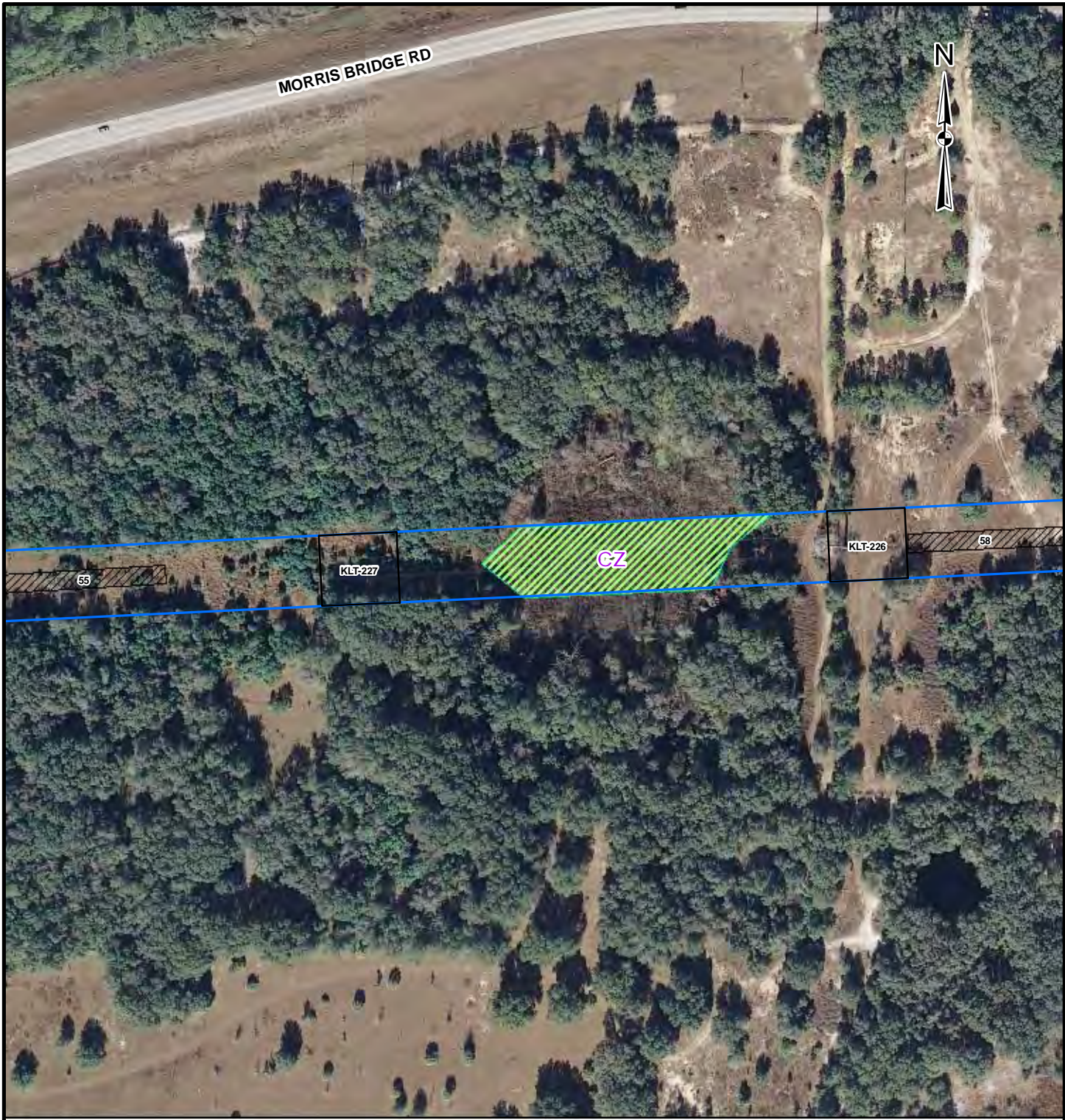
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




**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**



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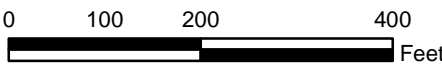
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LEGEND

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




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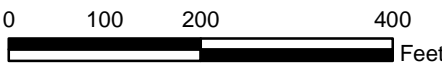
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Golder Associates
Gainesville, Florida

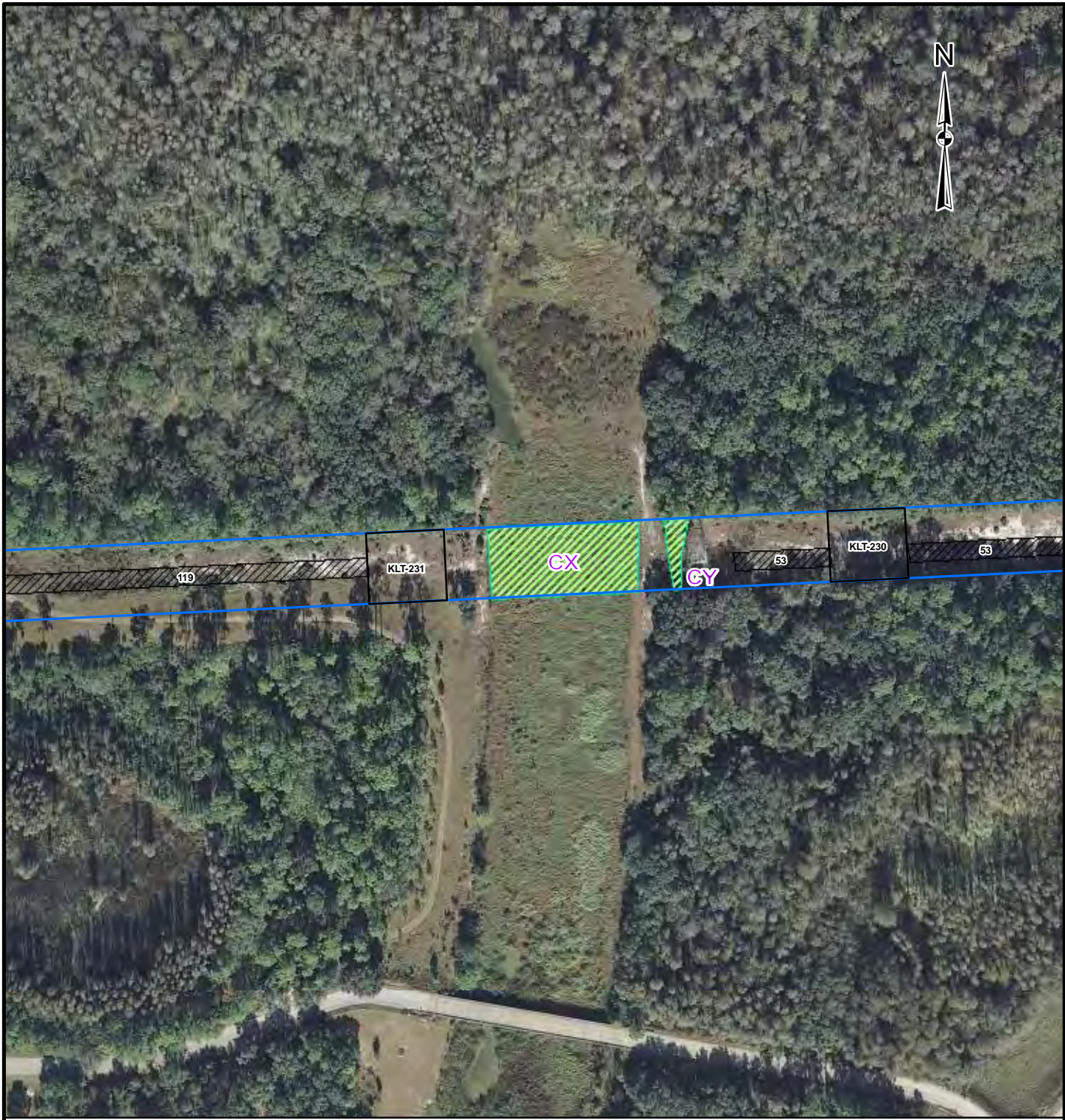
FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1

SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
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REVIEW	KAB

**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT	FIGURE 110 of 189
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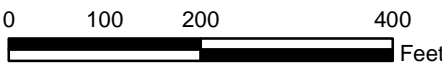
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlamar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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Golder Associates
Gainesville, Florida

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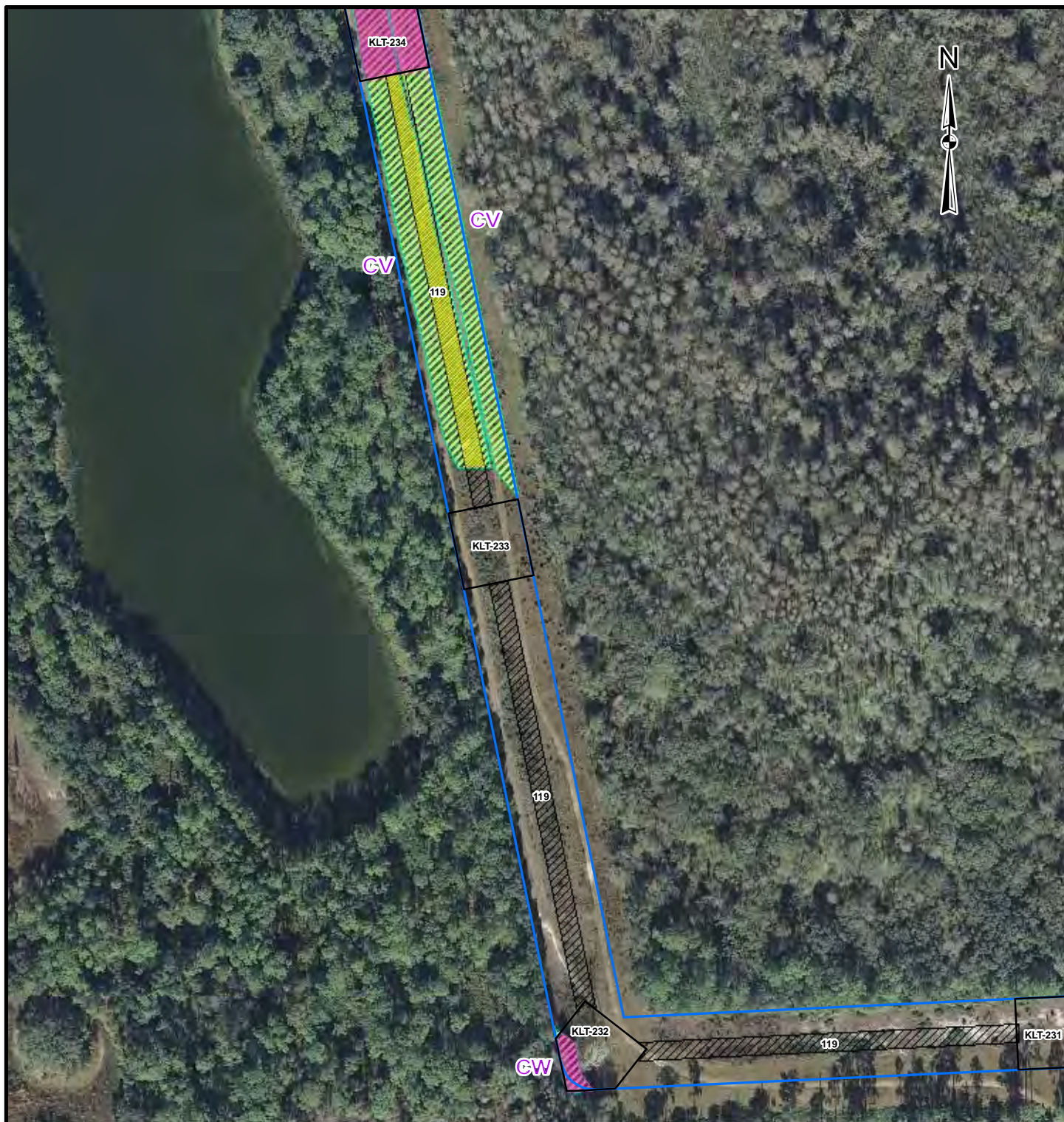
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

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Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

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LEGEND

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PROGRESS ENERGY FLORIDA
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LEGEND

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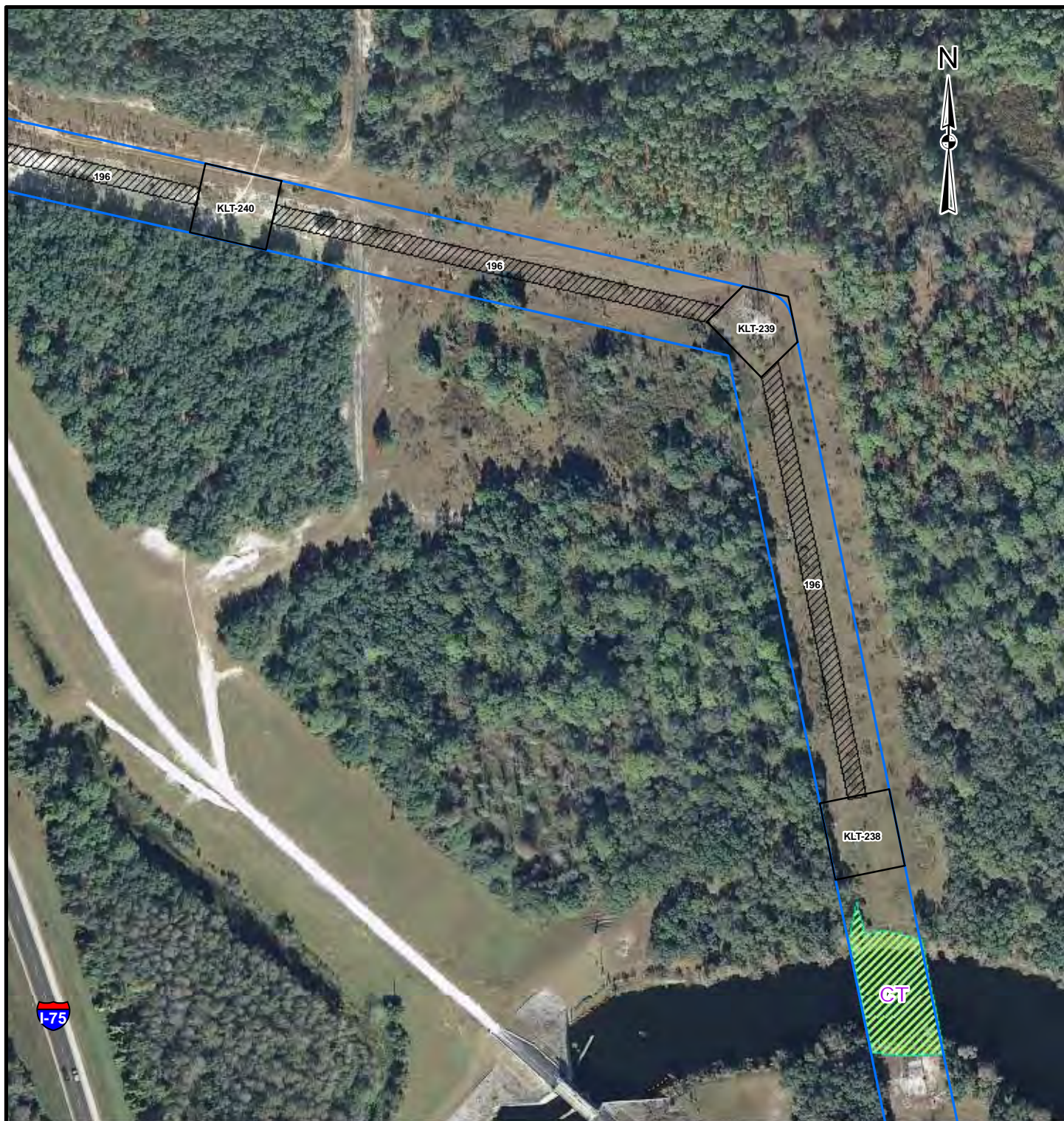
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 114 of 189

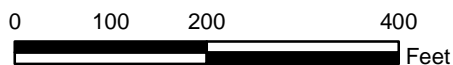
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

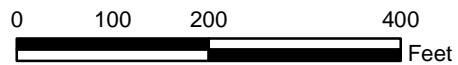
FIGURE
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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

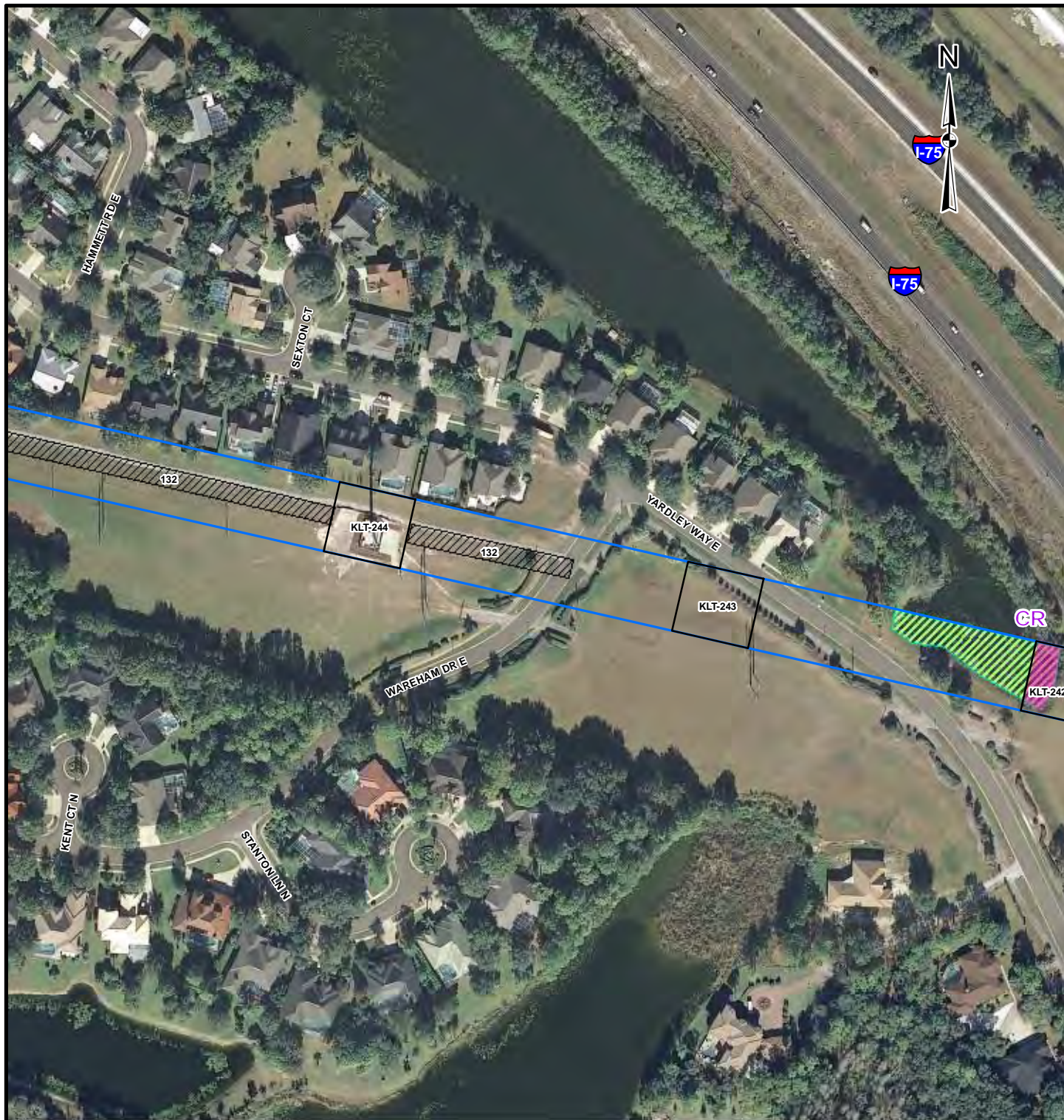
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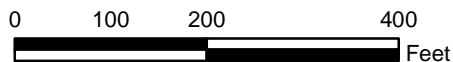
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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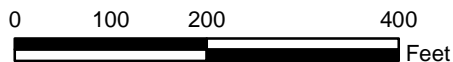
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by riamar



LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

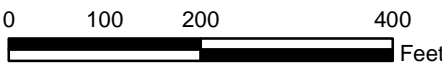
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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

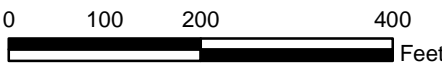
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LEGEND

- PHP Pad Locations
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<p>Golder Associates Gainesville, Florida</p>	SCALE	AS SHOWN	
	DATE	2/18/2010	
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
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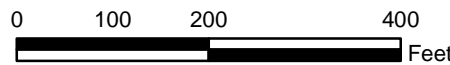
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by riamar



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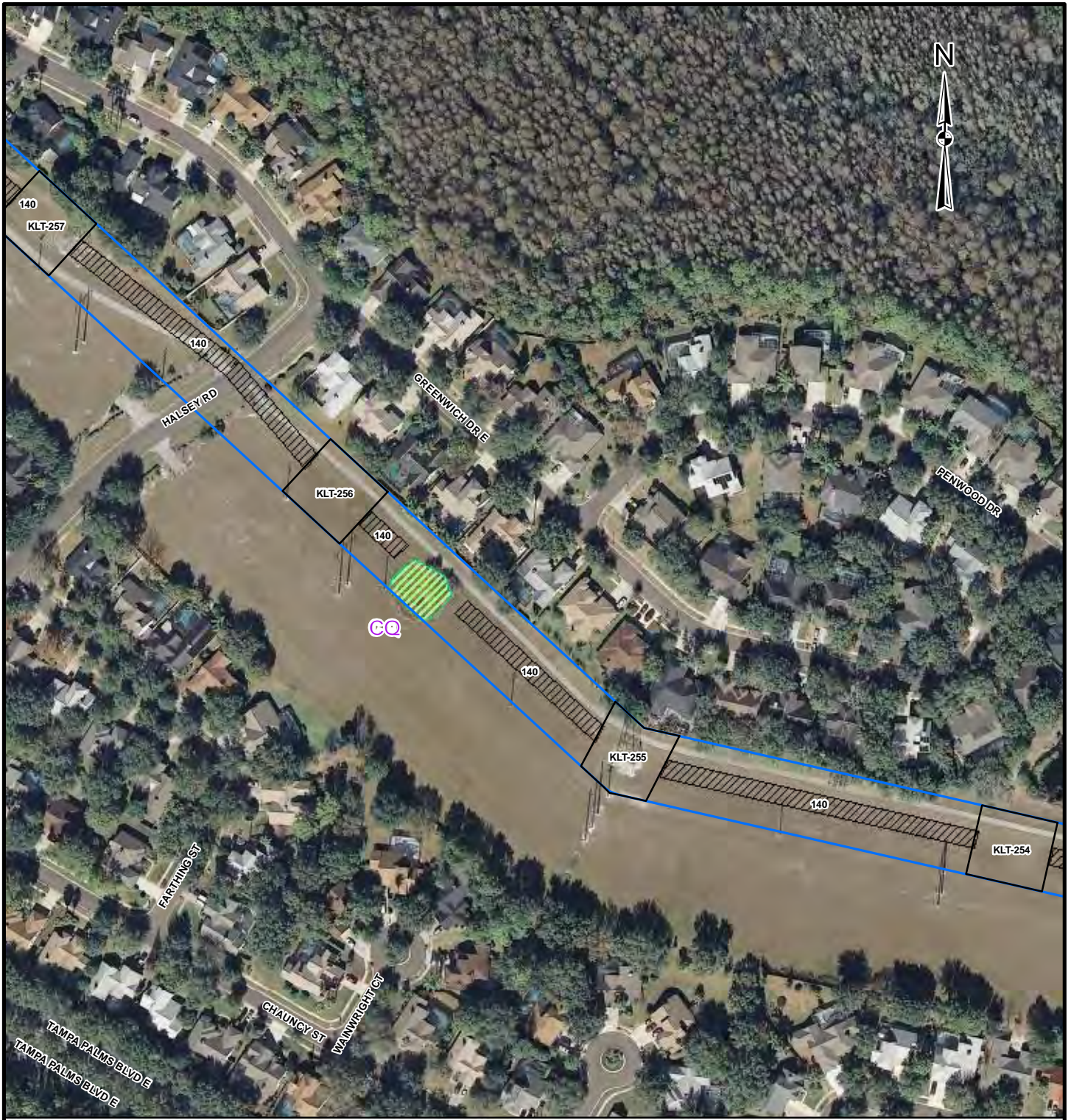
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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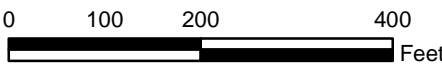
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

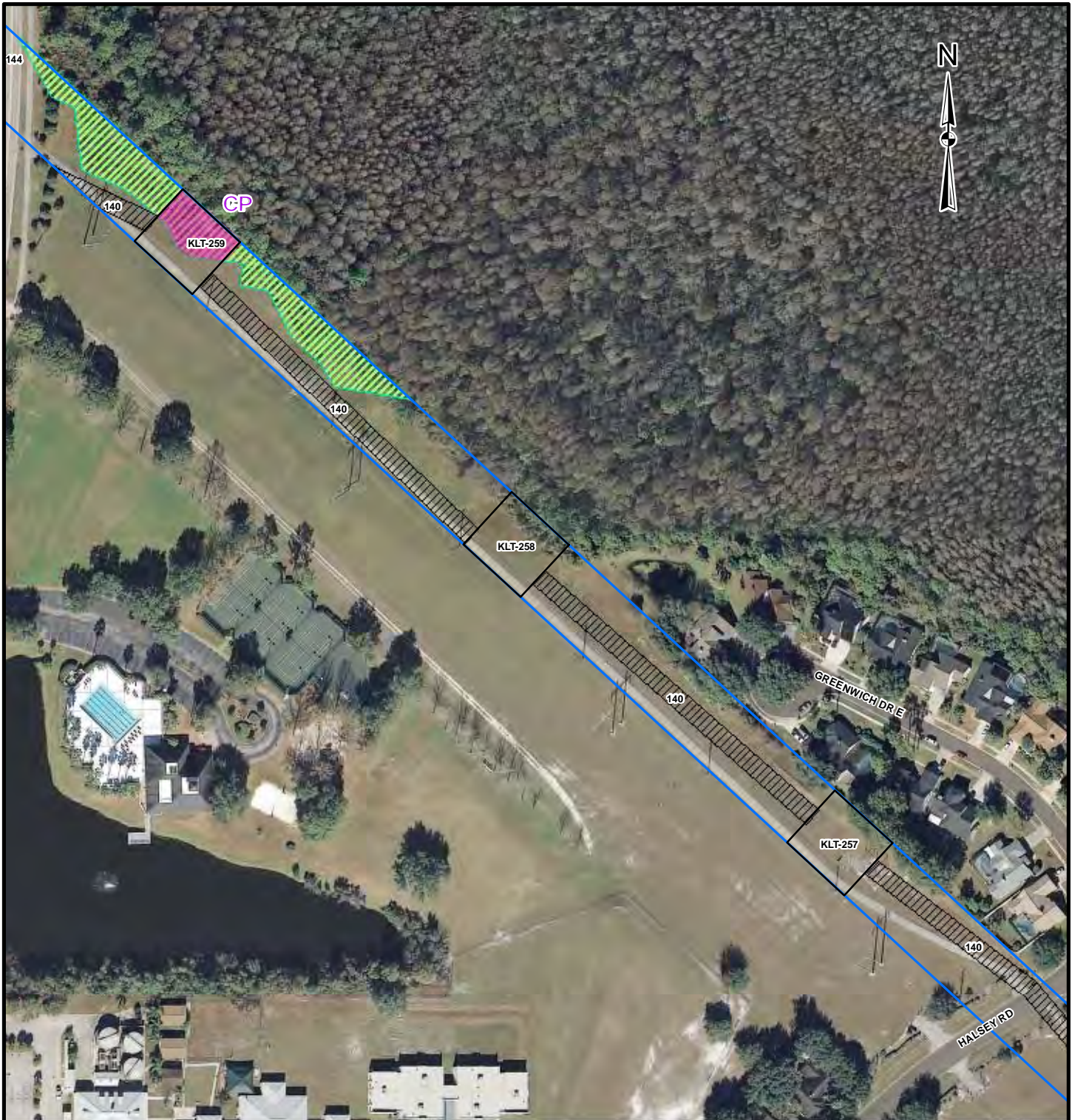
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Golder Associates
Gainesville, Florida

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- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

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LEGEND

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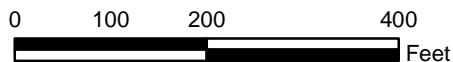
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
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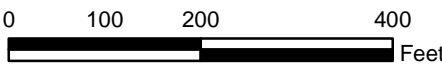
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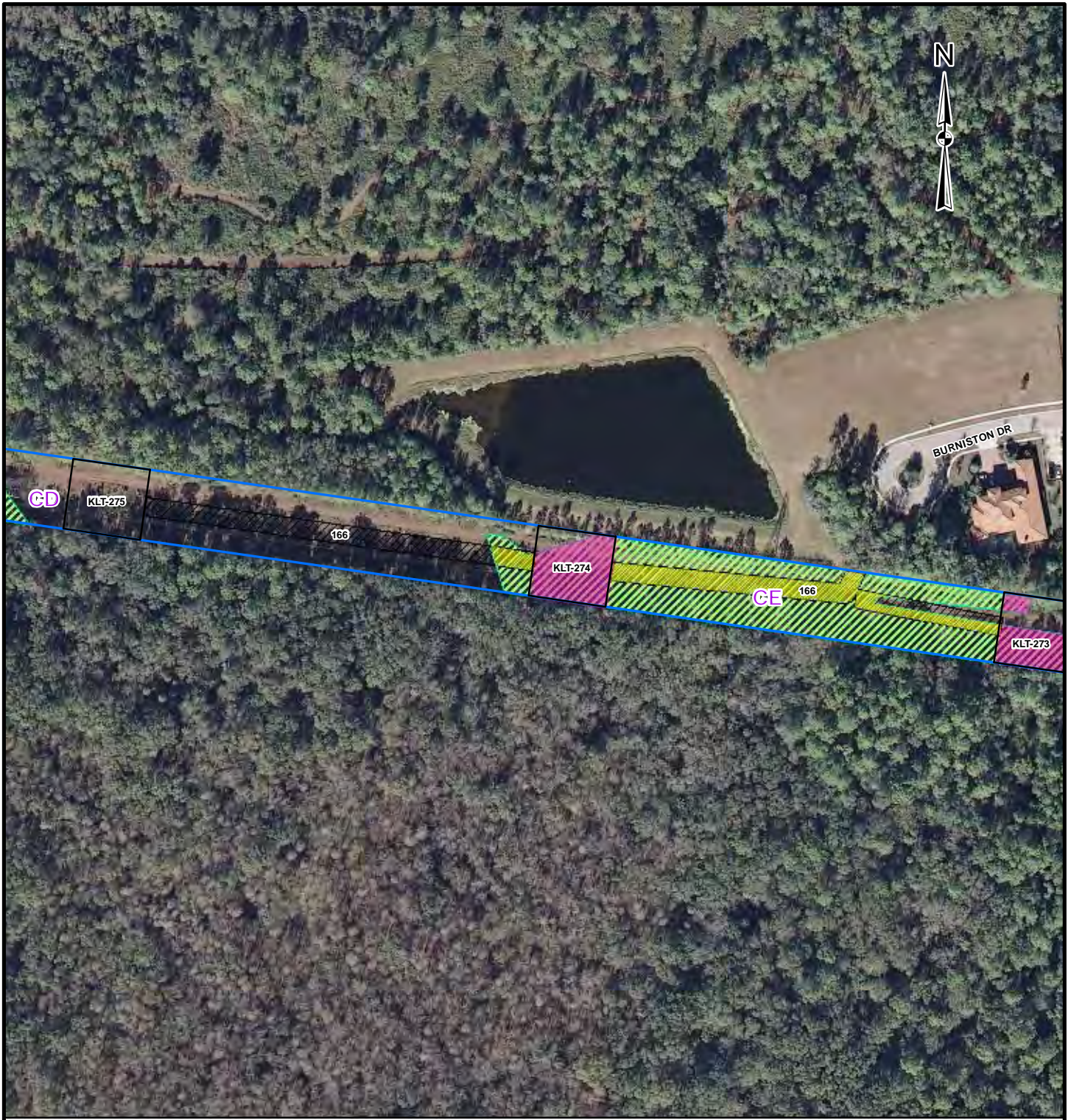
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS






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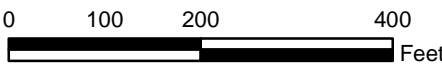
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
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-  PHP Access Roads

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NOTES

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For impact acreages see attached tables.



Golder Associates
Gainesville, Florida

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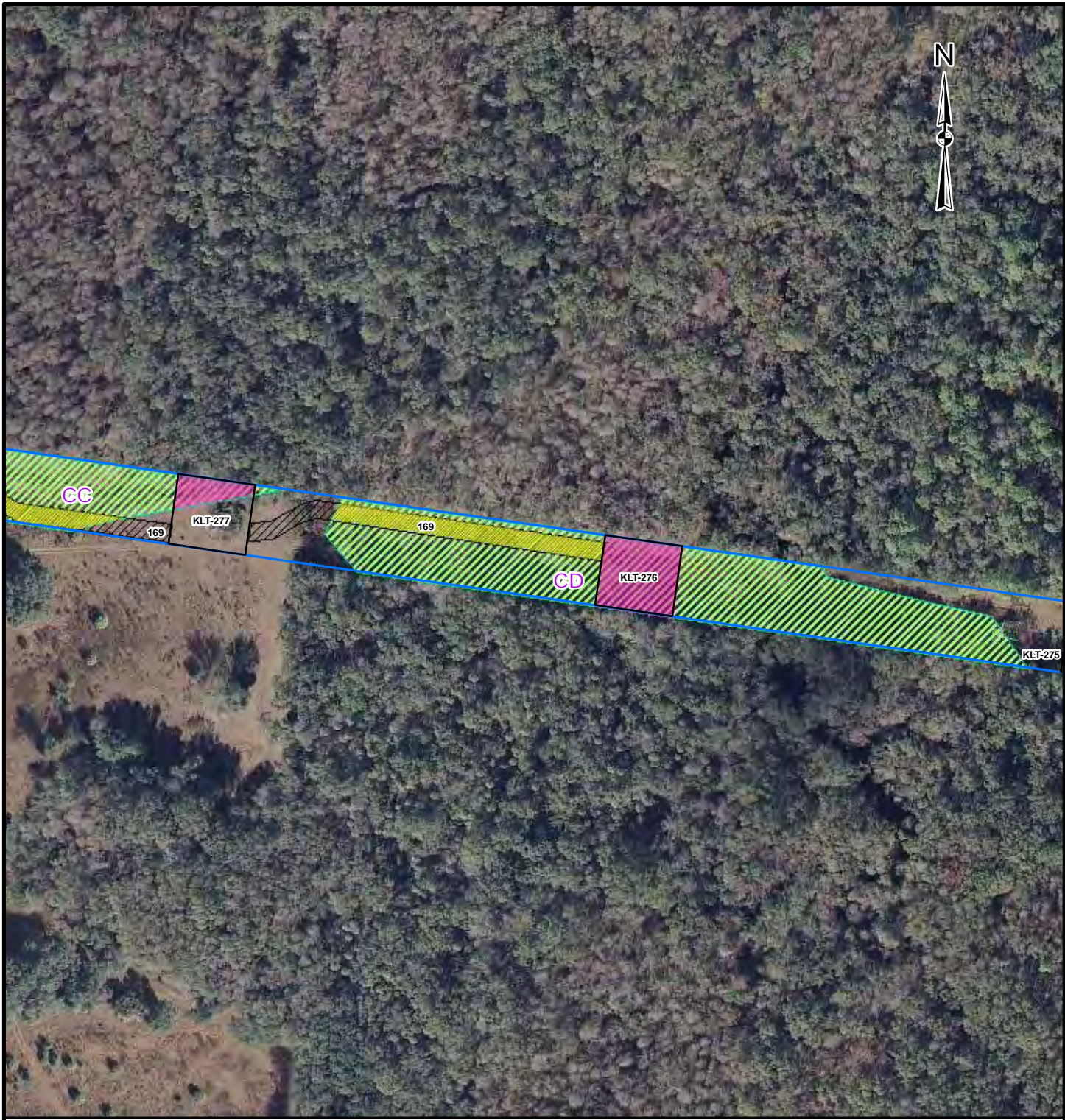
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DESIGN	KAB
GIS	NRL

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS






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LEVY BASELOAD PROJECT



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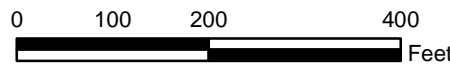
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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
PROGRESS ENERGY FLORIDA
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FIGURE
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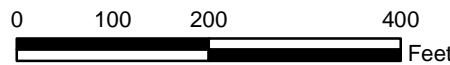
Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

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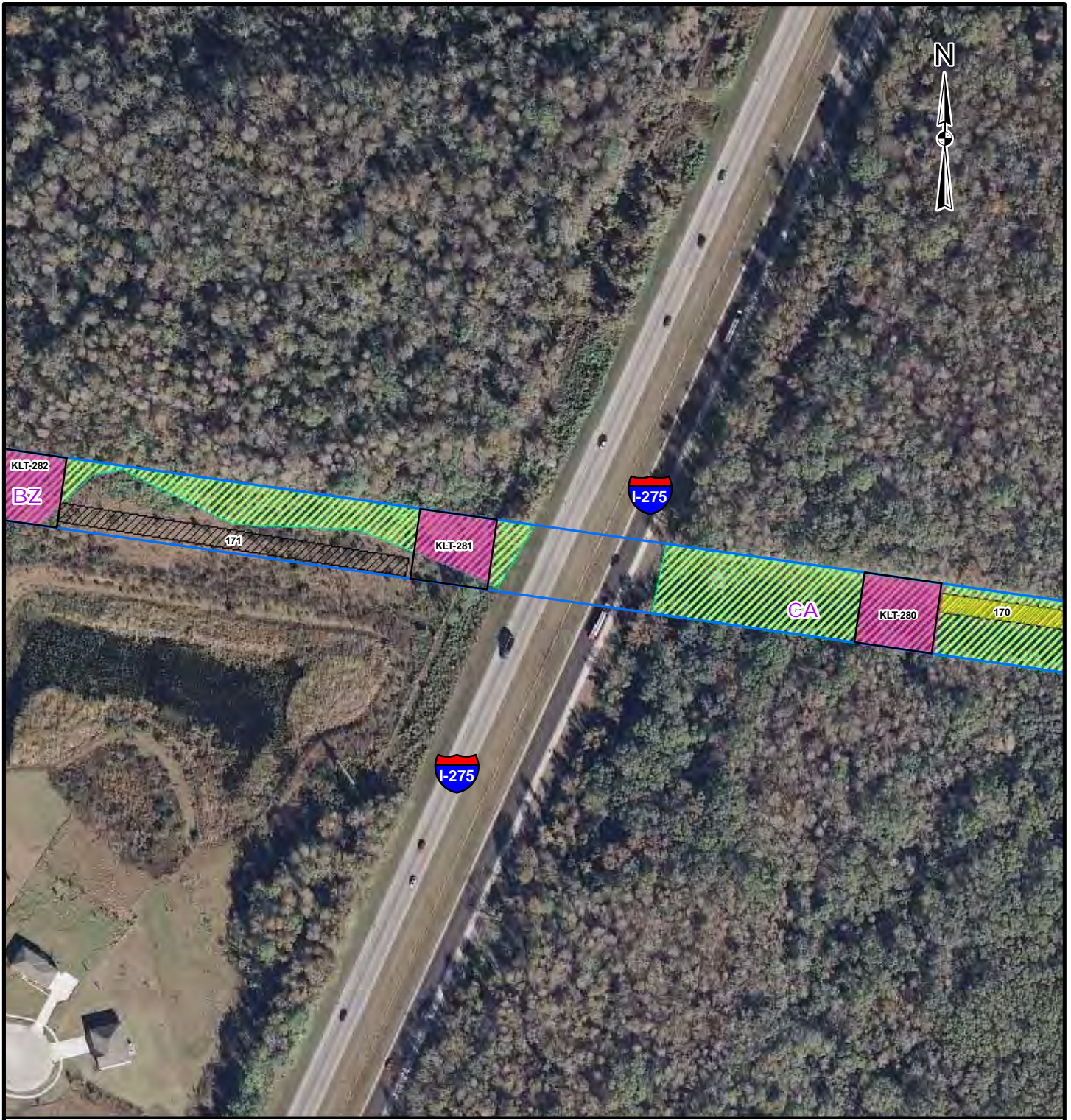
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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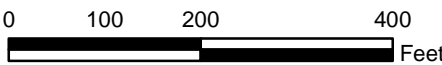
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LEGEND

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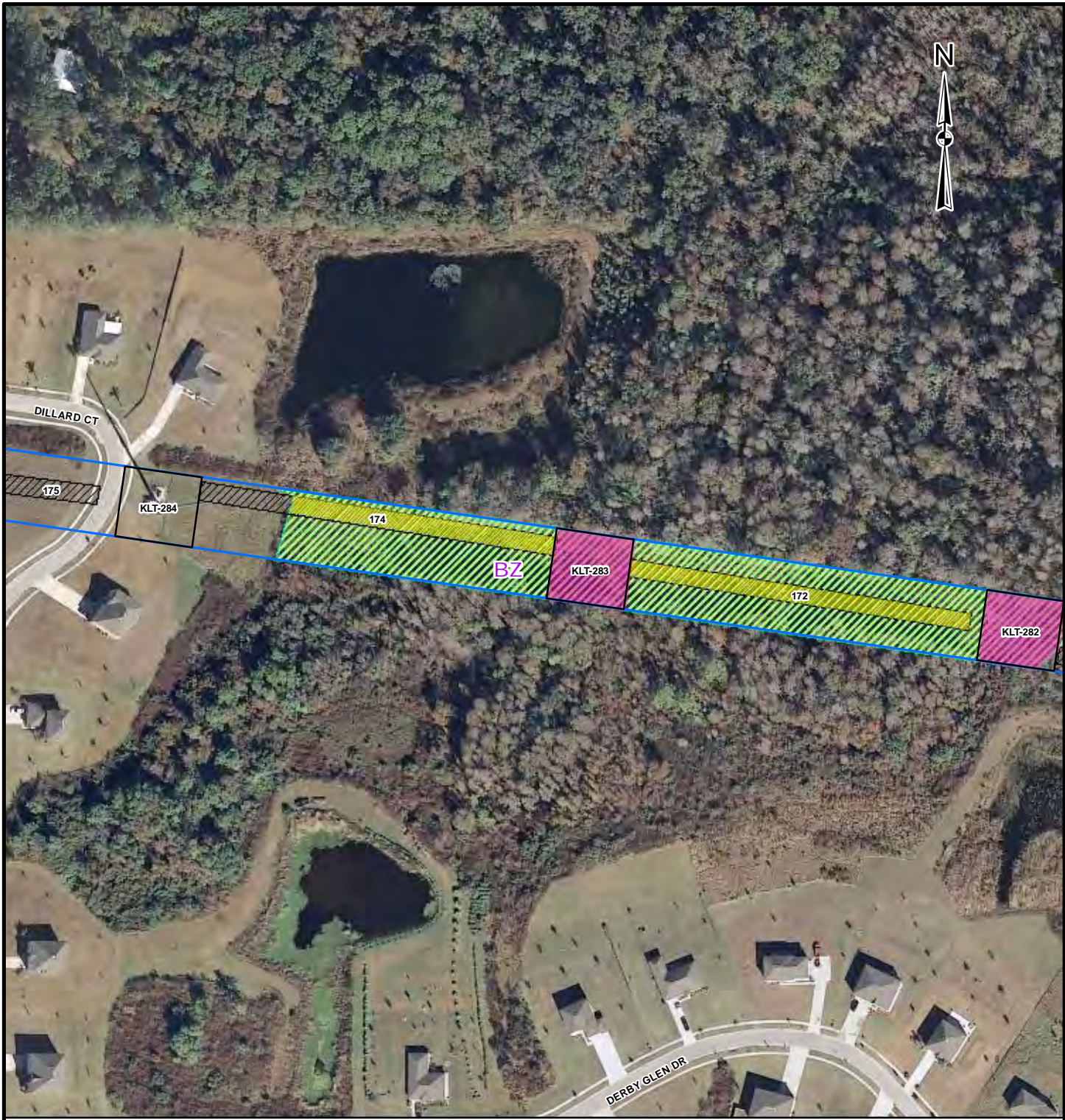
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SCALE	AS SHOWN
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<h2>POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS</h2>
PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT
FIGURE 133 of 189

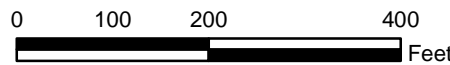
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LEGEND

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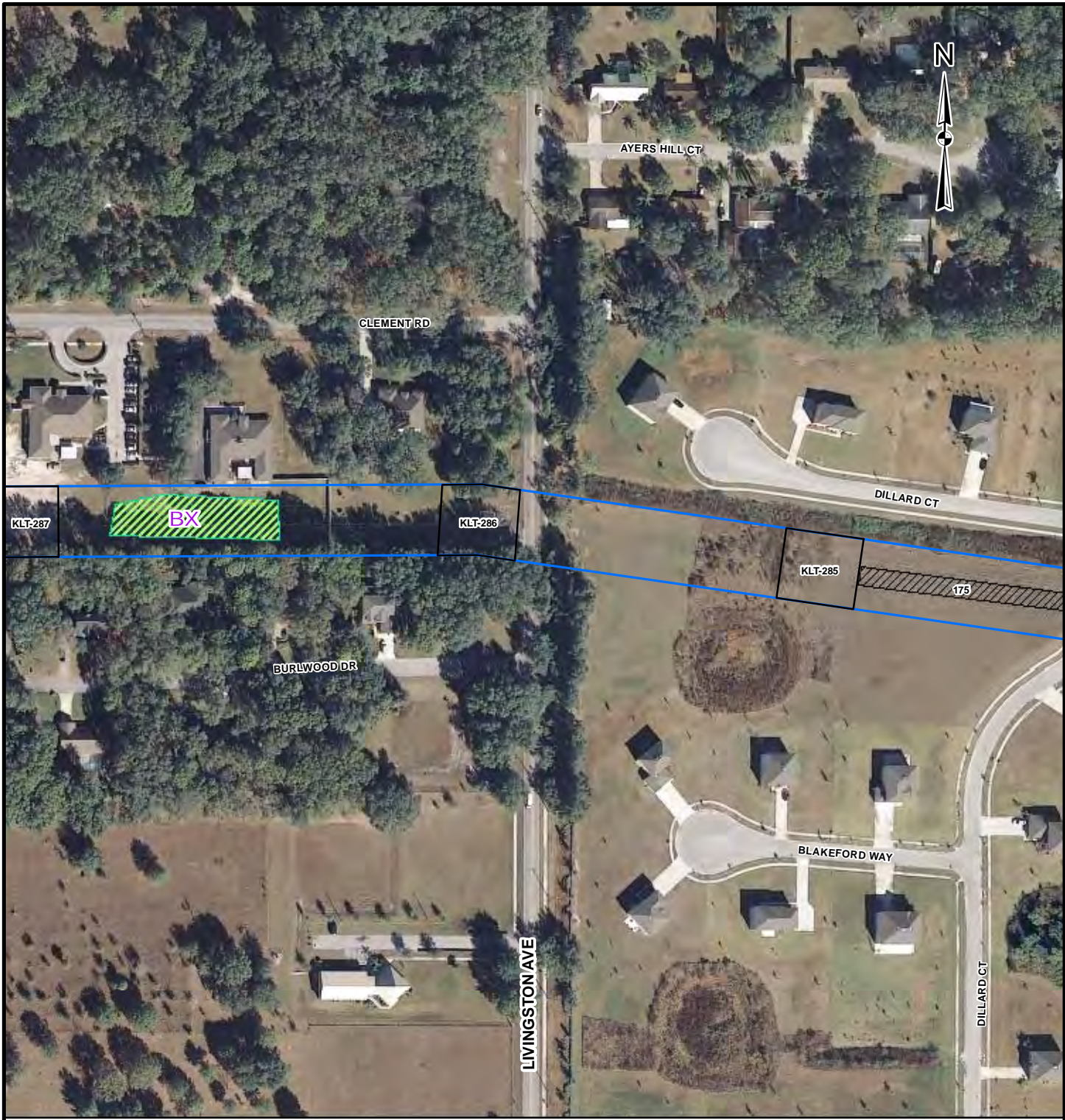
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	GIS	NRL
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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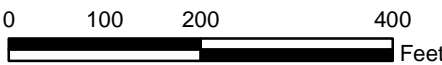
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LEGEND

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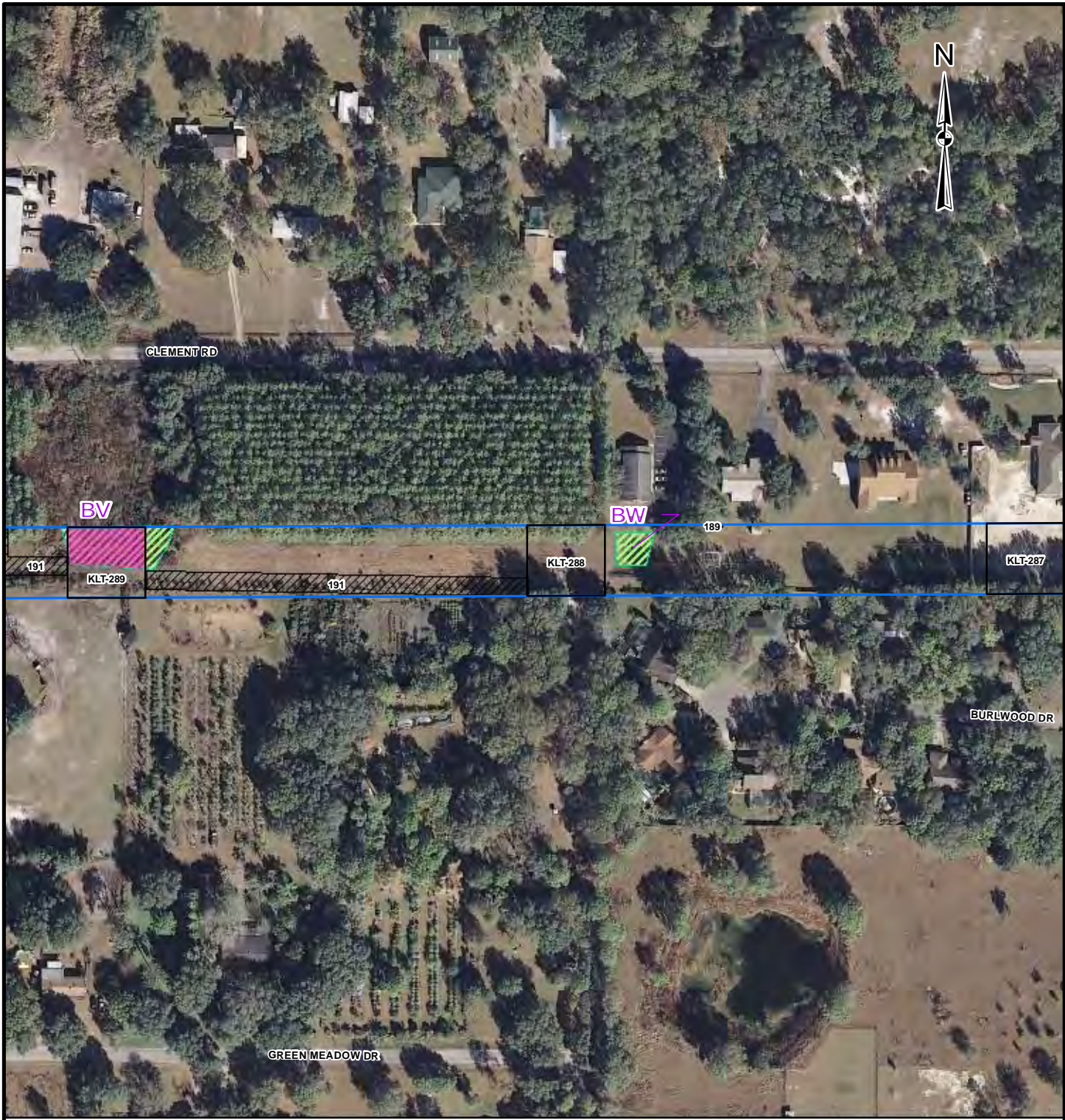
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DESIGN	KAB
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

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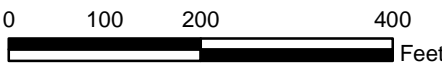
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LEGEND

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	GIS	NRL	
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LEGEND

- PHP Pad Locations
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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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SHADED WATERWAY

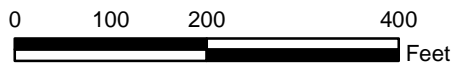


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LEGEND

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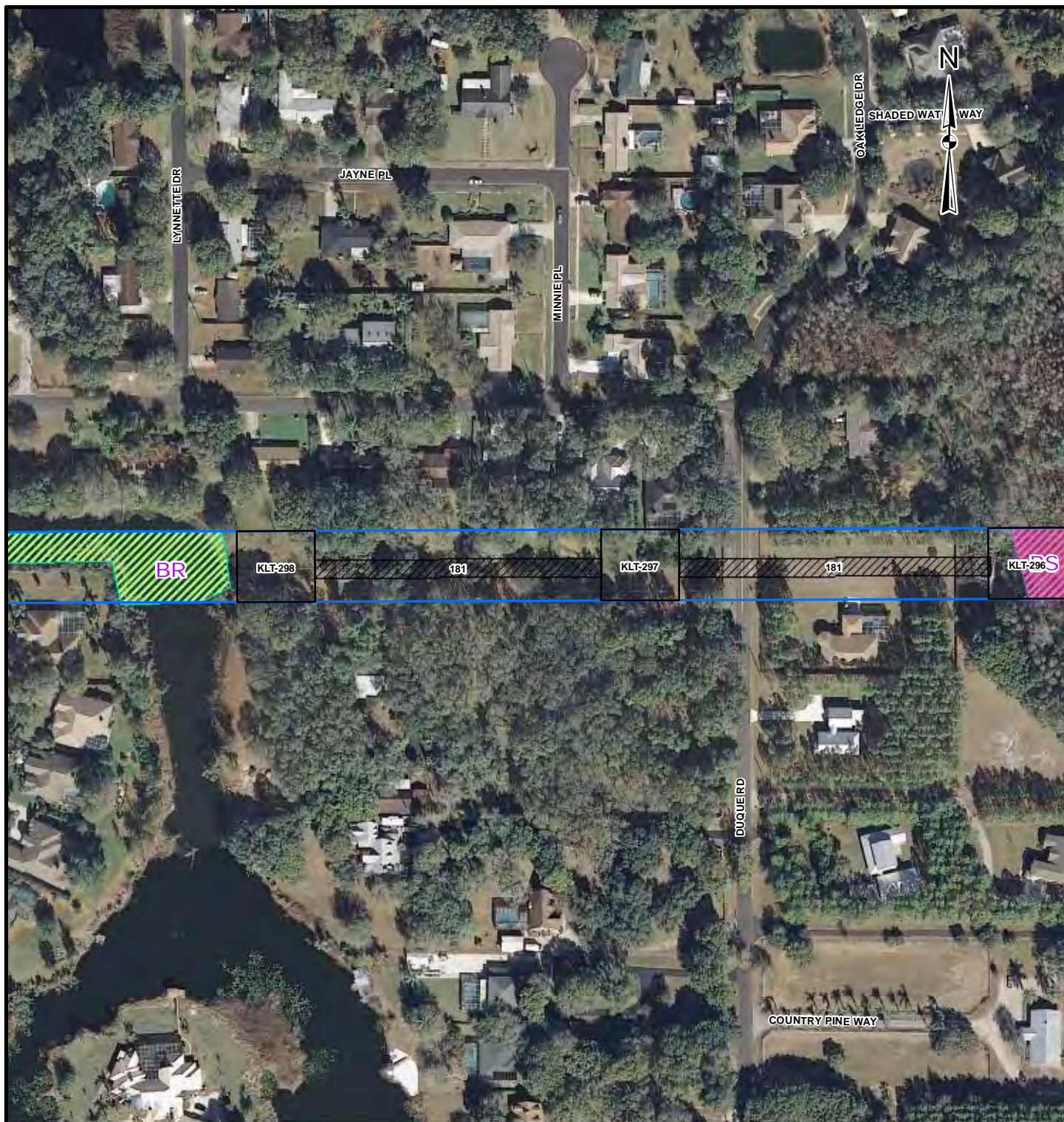
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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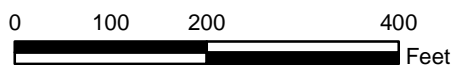
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LEGEND

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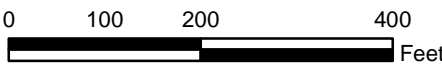
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LEGEND

- PHP Pad Locations
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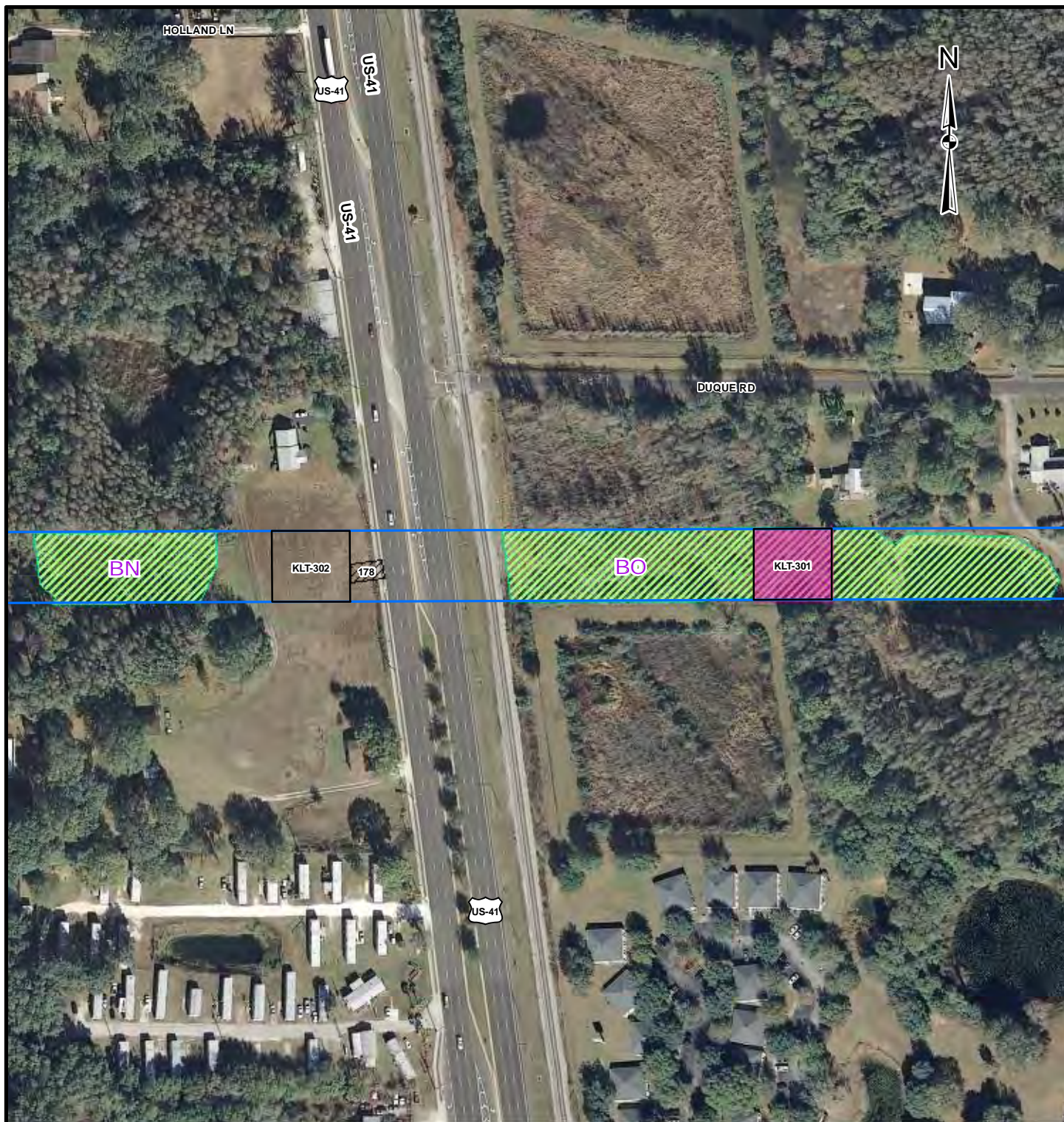
**POLK - HILLSBOROUGH - PINELLAS (PHP)
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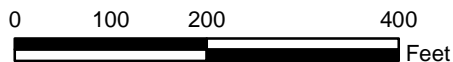
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LEGEND

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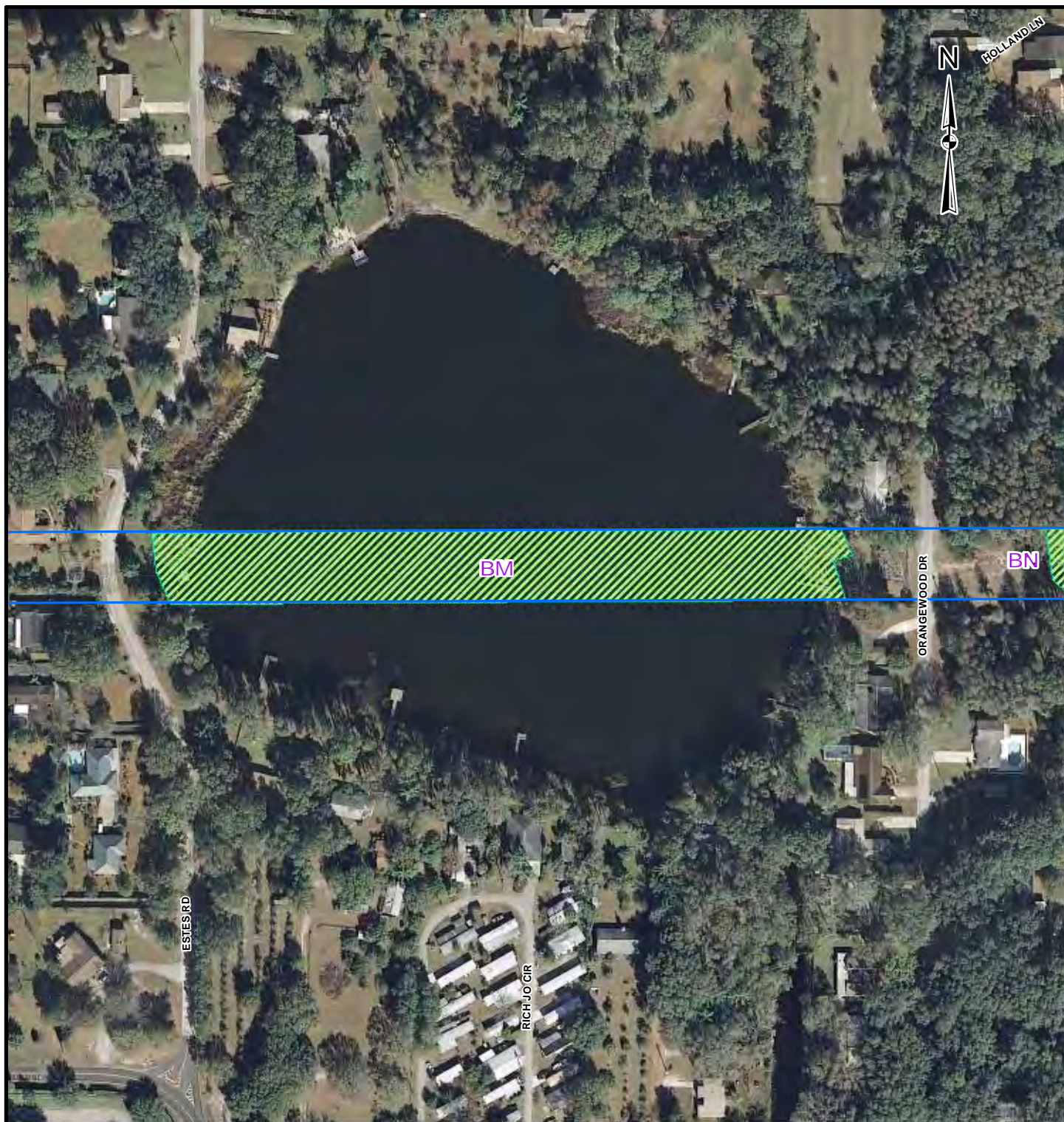
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LEGEND

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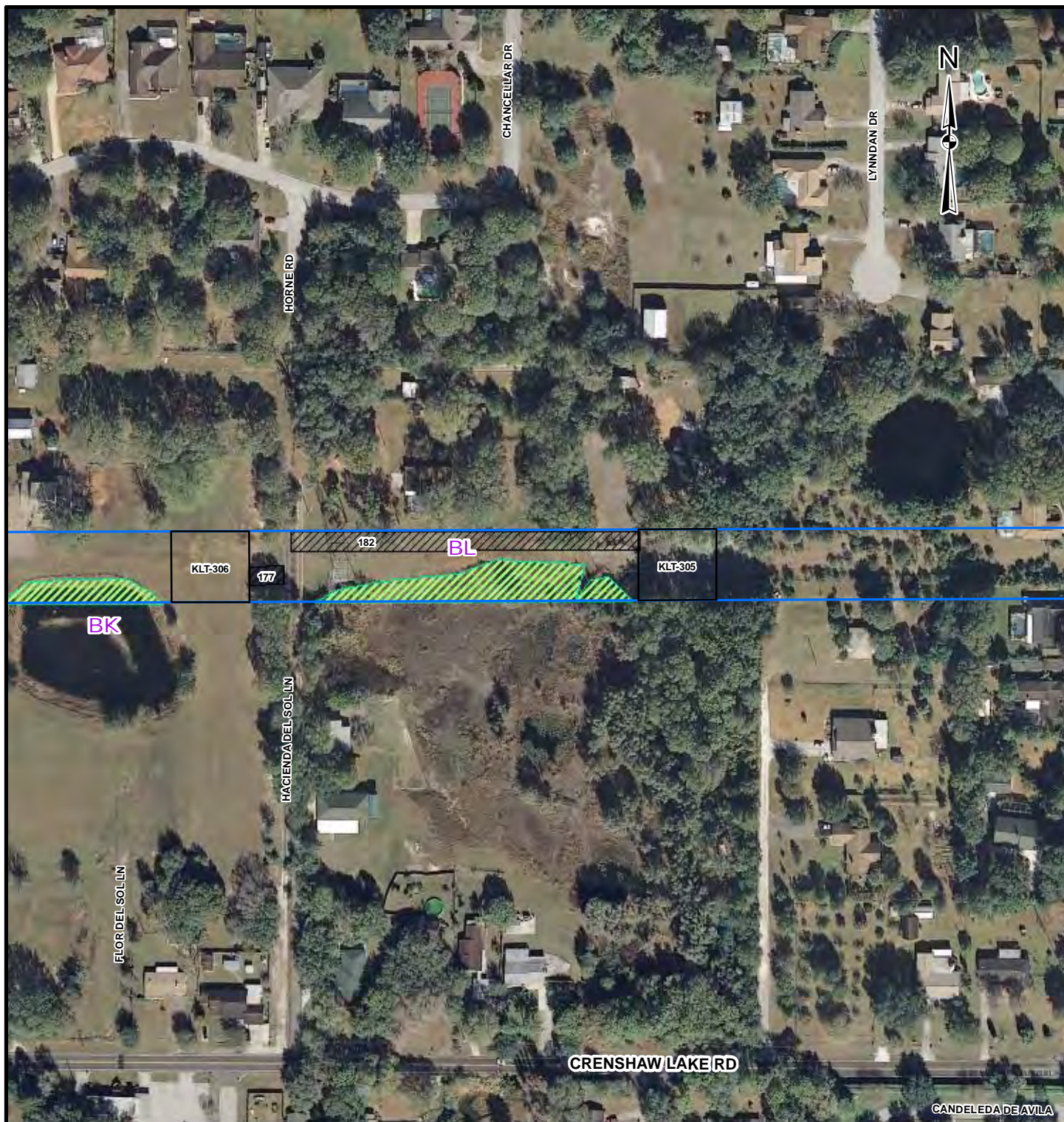
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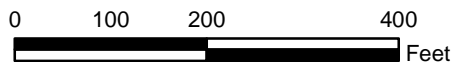
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

- PHP Pad Locations
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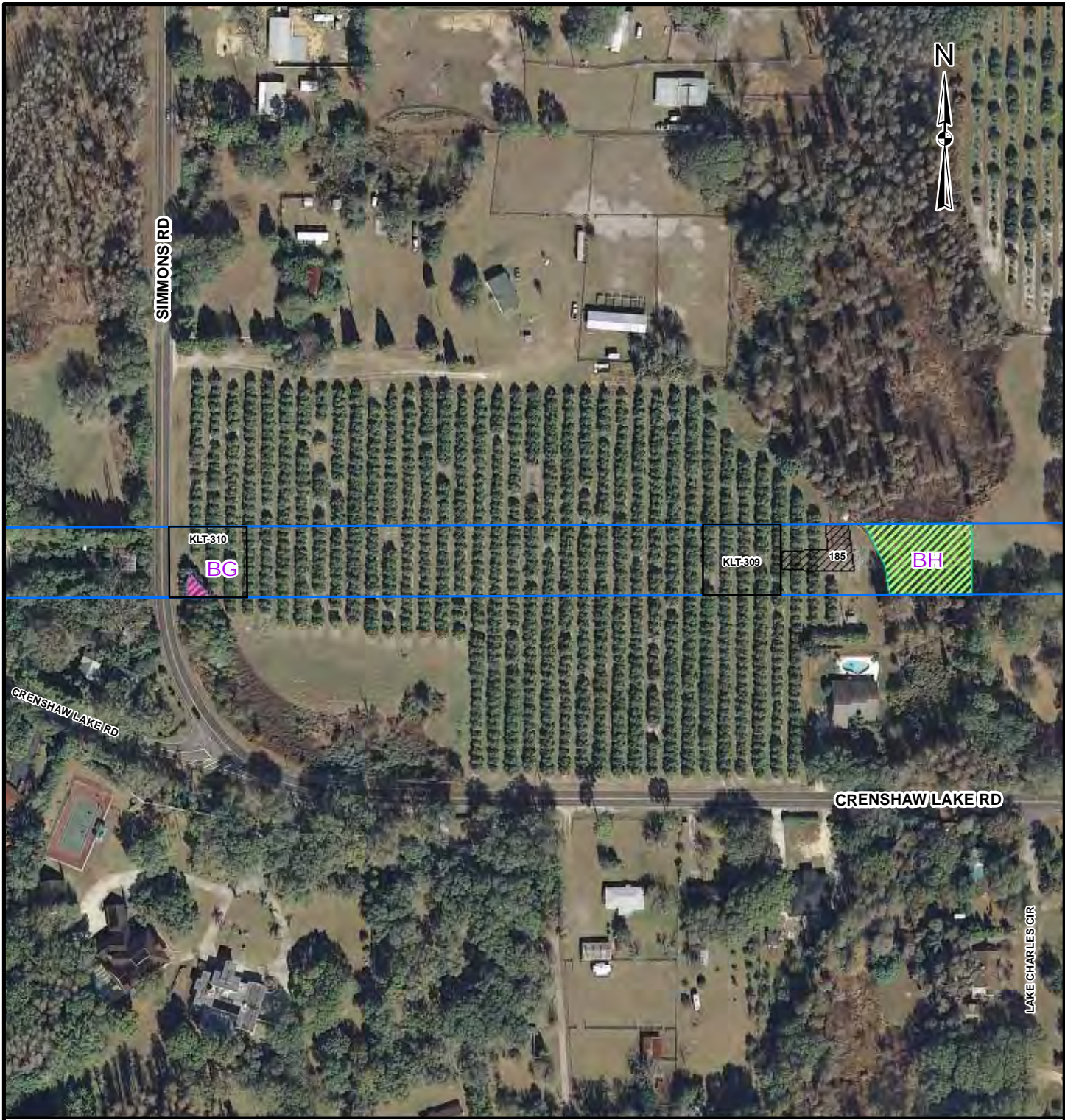
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS






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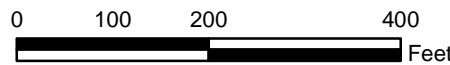
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LEGEND

-  PHP Pad Locations
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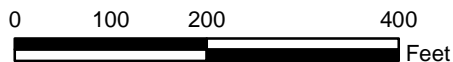
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LEGEND

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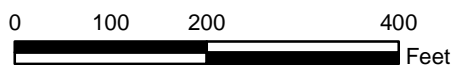
Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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REFERENCES

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NOTES

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For impact acreages see attached tables.



SCALE AS SHOWN

DATE 2/18/2010

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FILE No. 09389547Z001

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PROJECT No. 093-89547 REV. 1

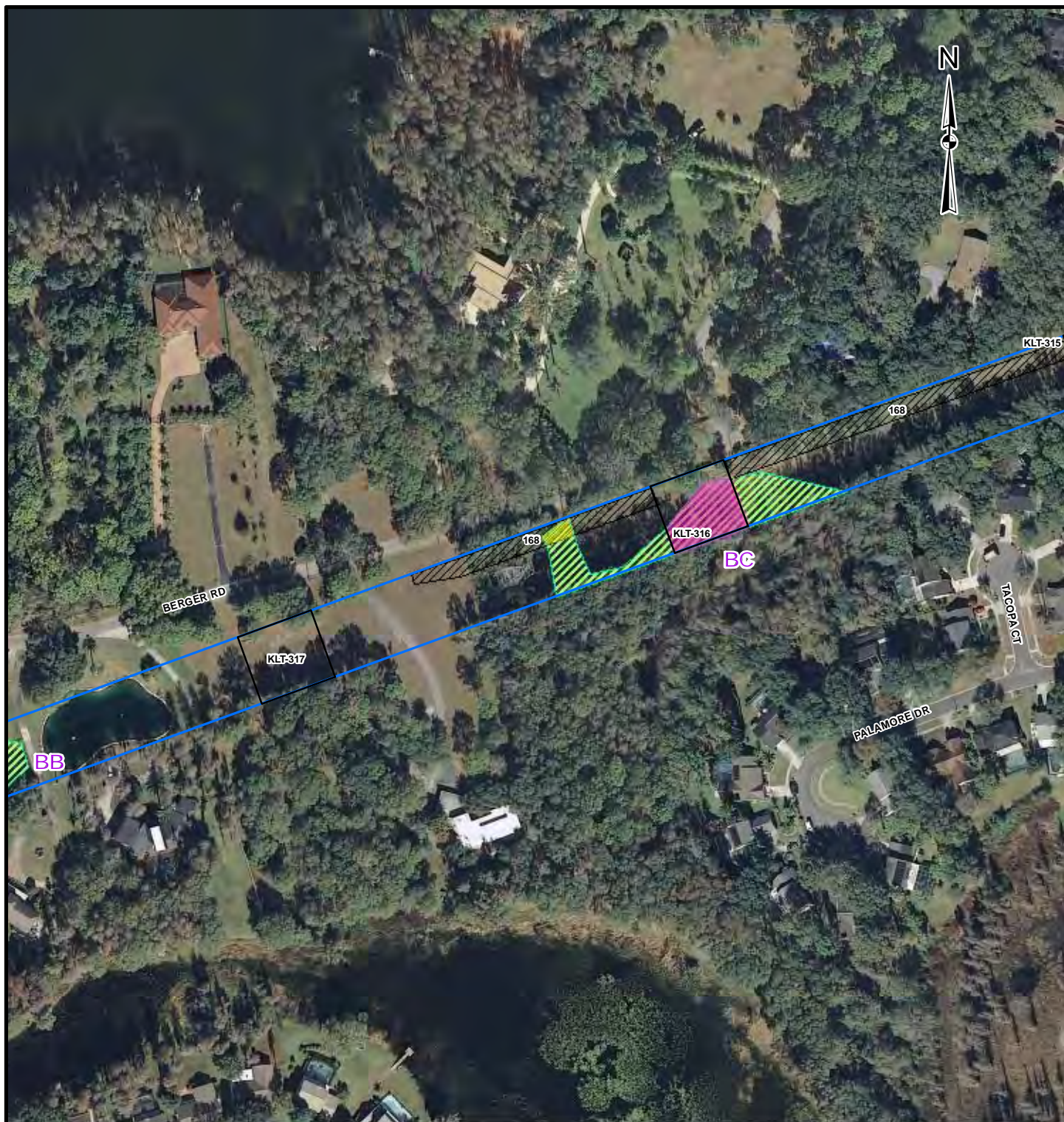
REVIEW KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

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LEGEND

- PHP Pad Locations
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GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
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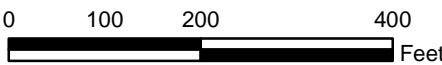
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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 Golder Associates Gainesville, Florida	SCALE	AS SHOWN	
	DATE	2/18/2010	
	DESIGN	KAB	
	GIS	NRL	
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		REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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FIGURE
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Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

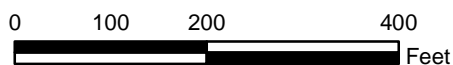
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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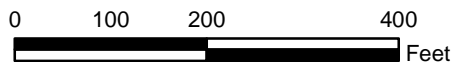
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LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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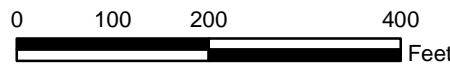


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LEGEND

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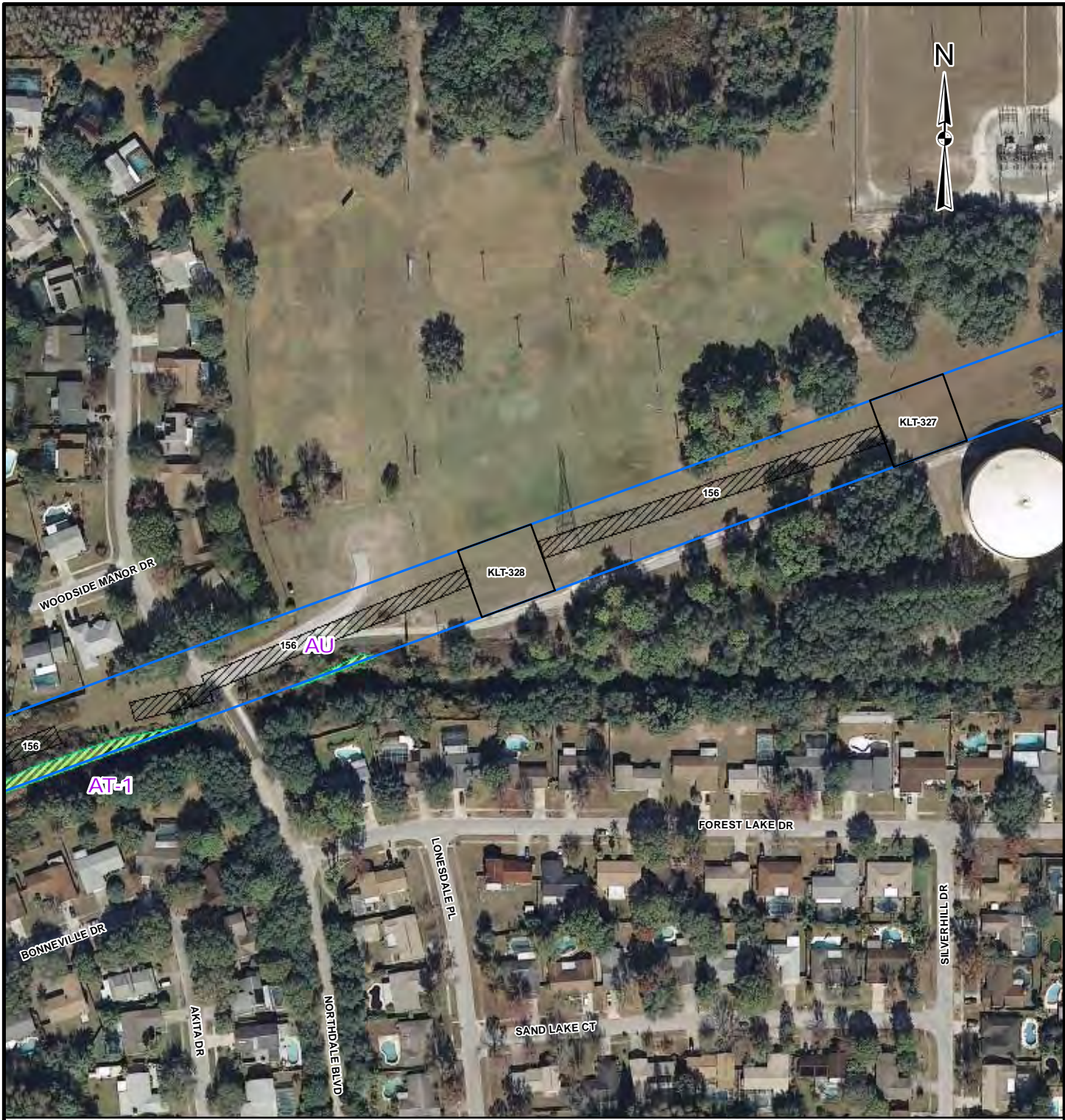
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

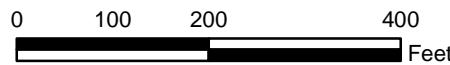
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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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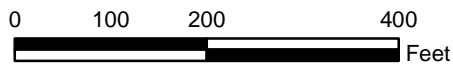
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LEGEND

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**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

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Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by riamar

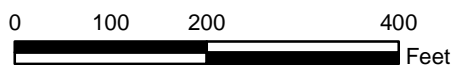
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

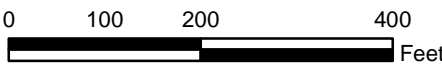
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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

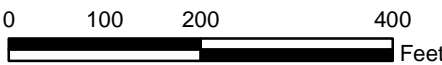
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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<p>Golder Associates Gainesville, Florida</p>	SCALE	AS SHOWN
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

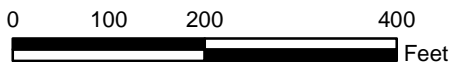
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LEGEND

- PHP Pad Locations
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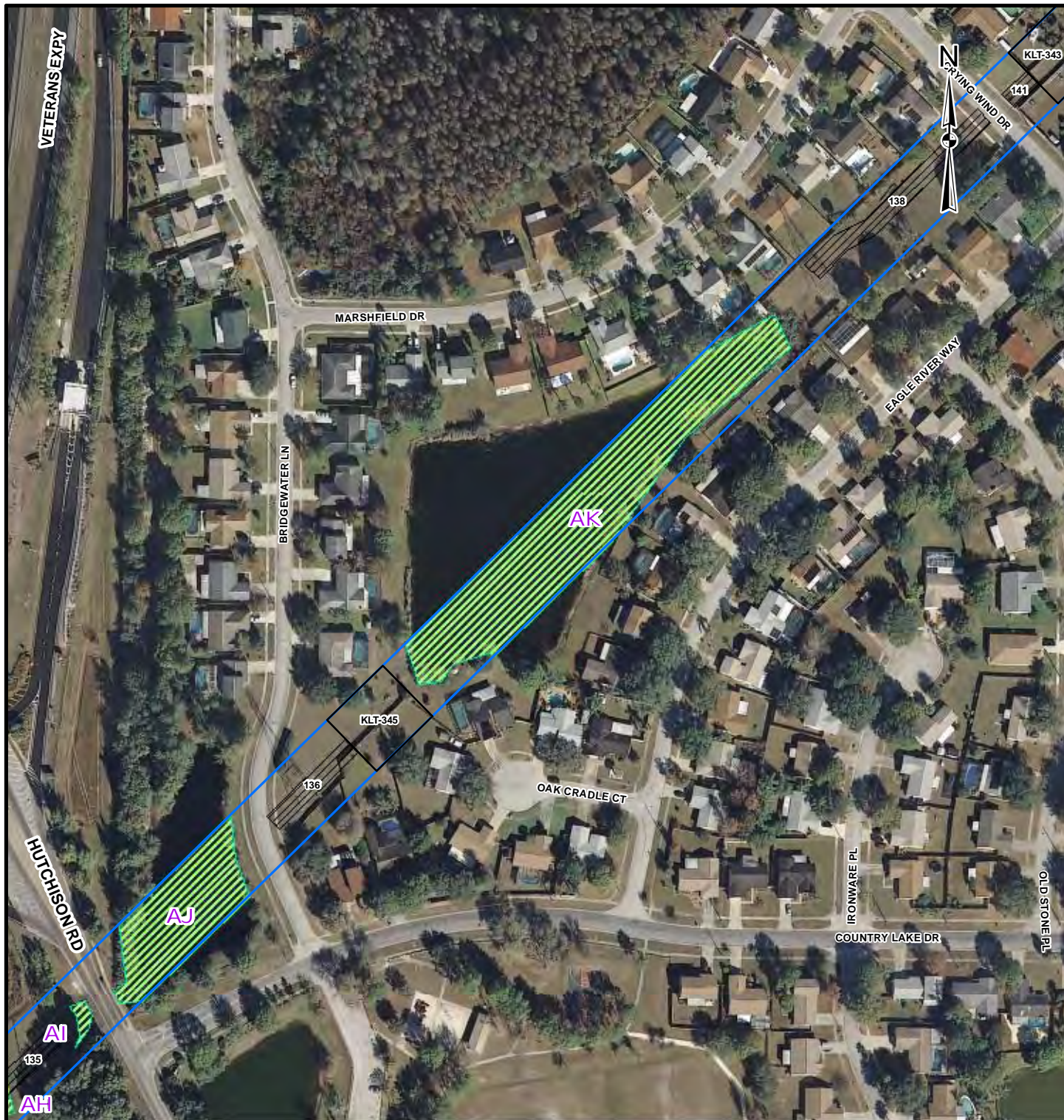
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

- PHP Pad Locations
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

- PHP Pad Locations
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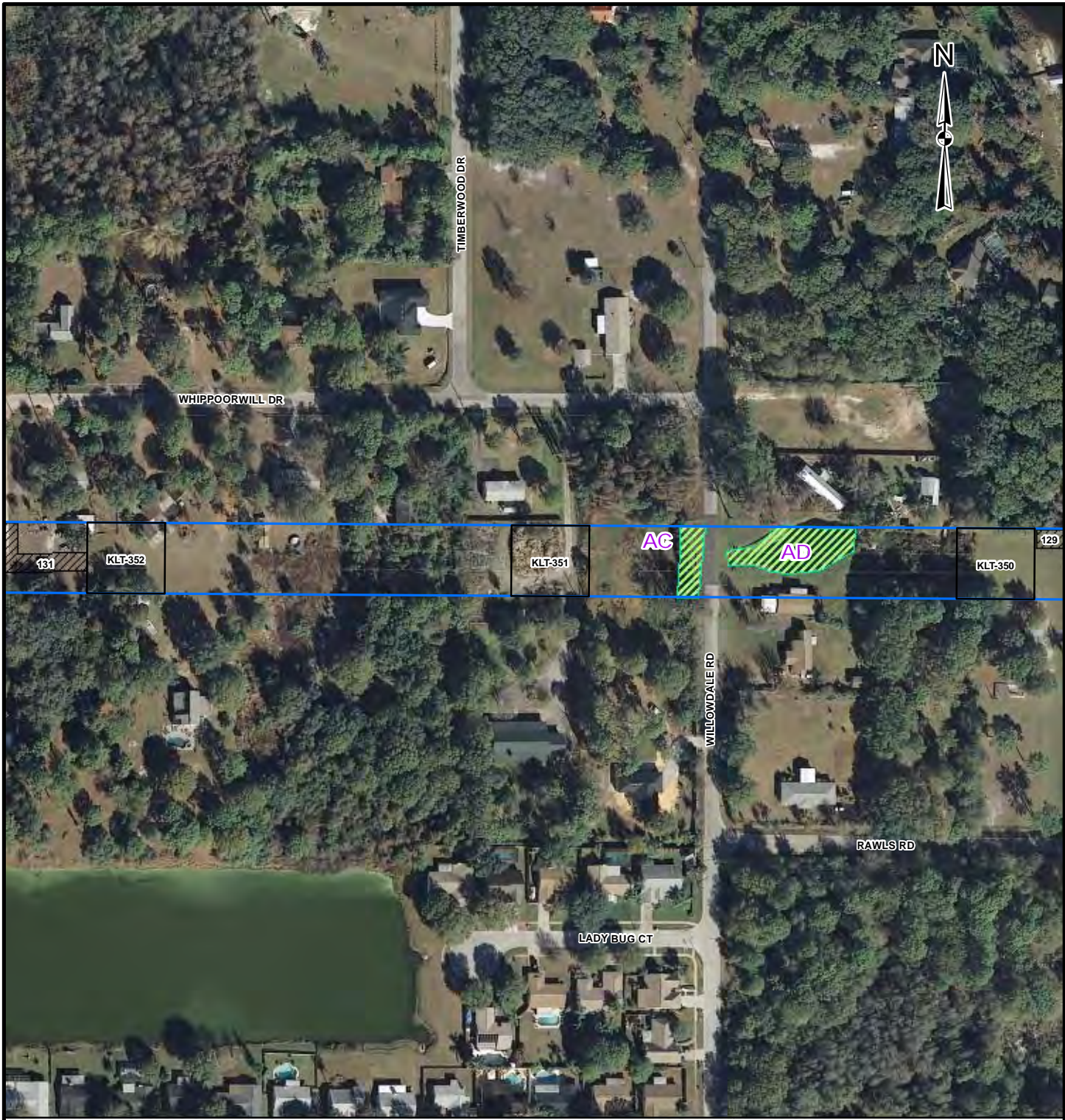
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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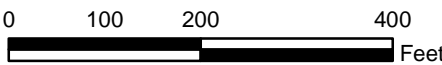
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- PHP Pad Locations
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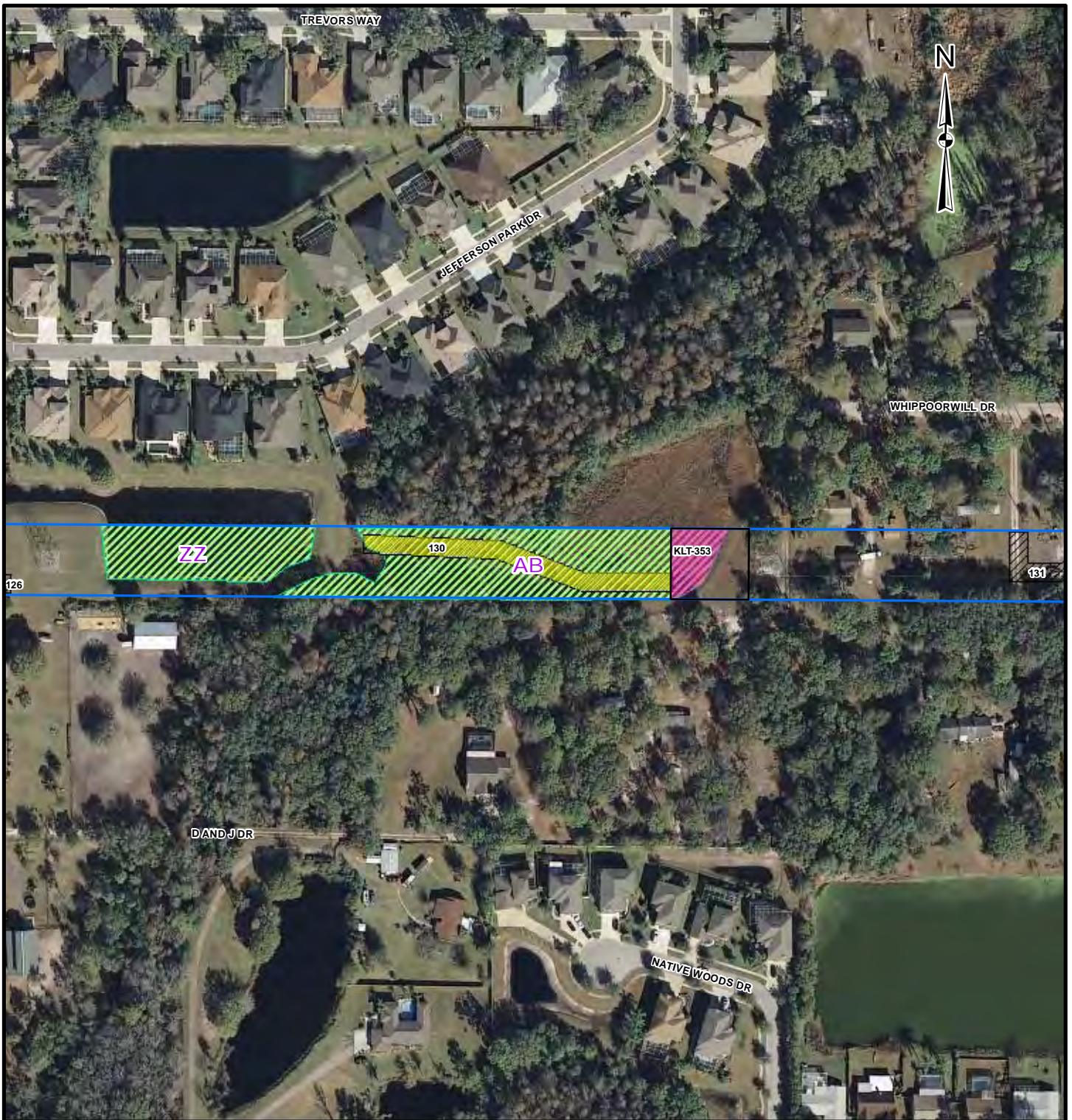
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		REVIEW	KAB

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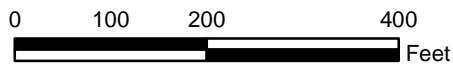
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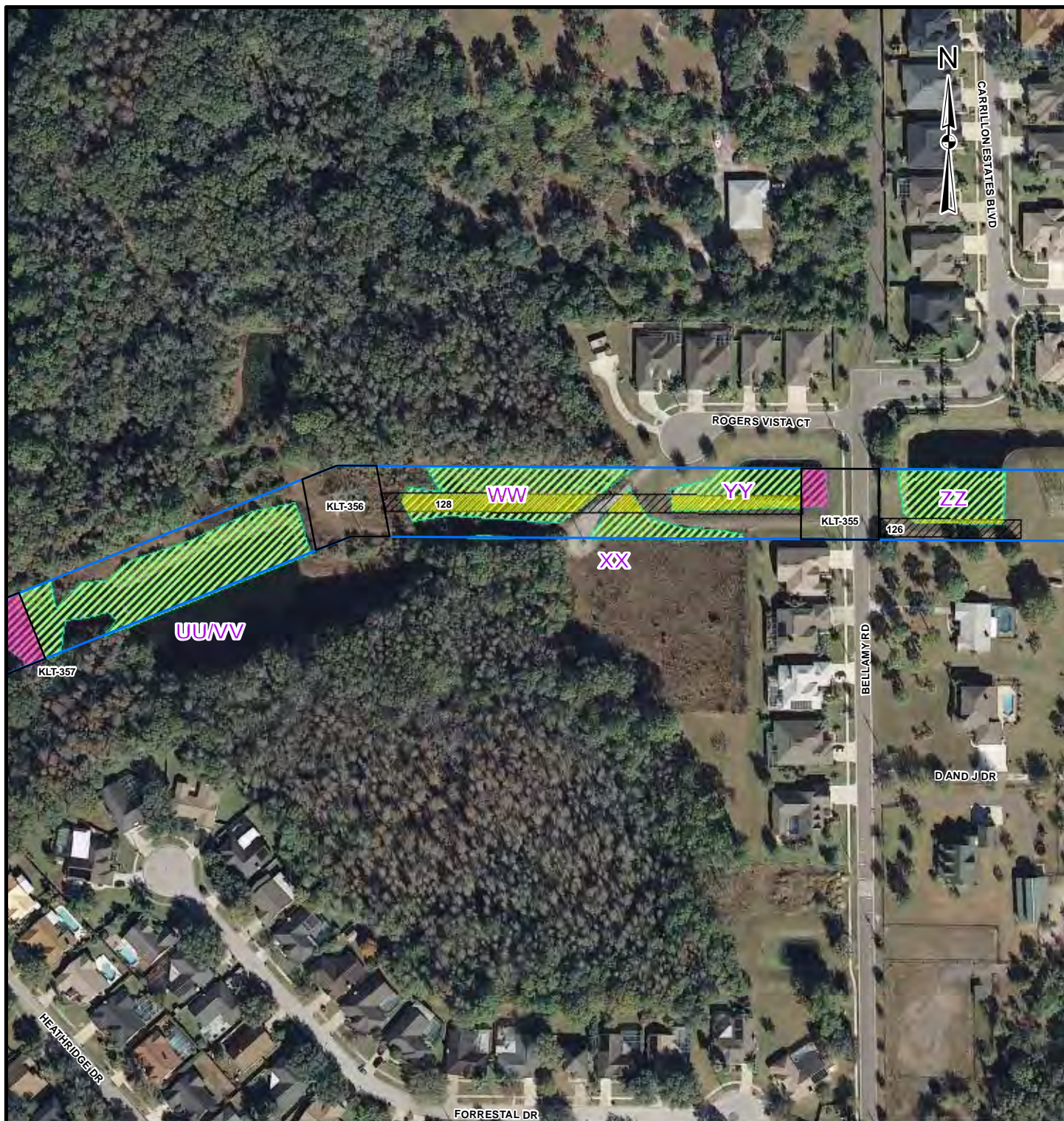
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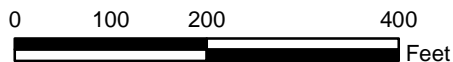
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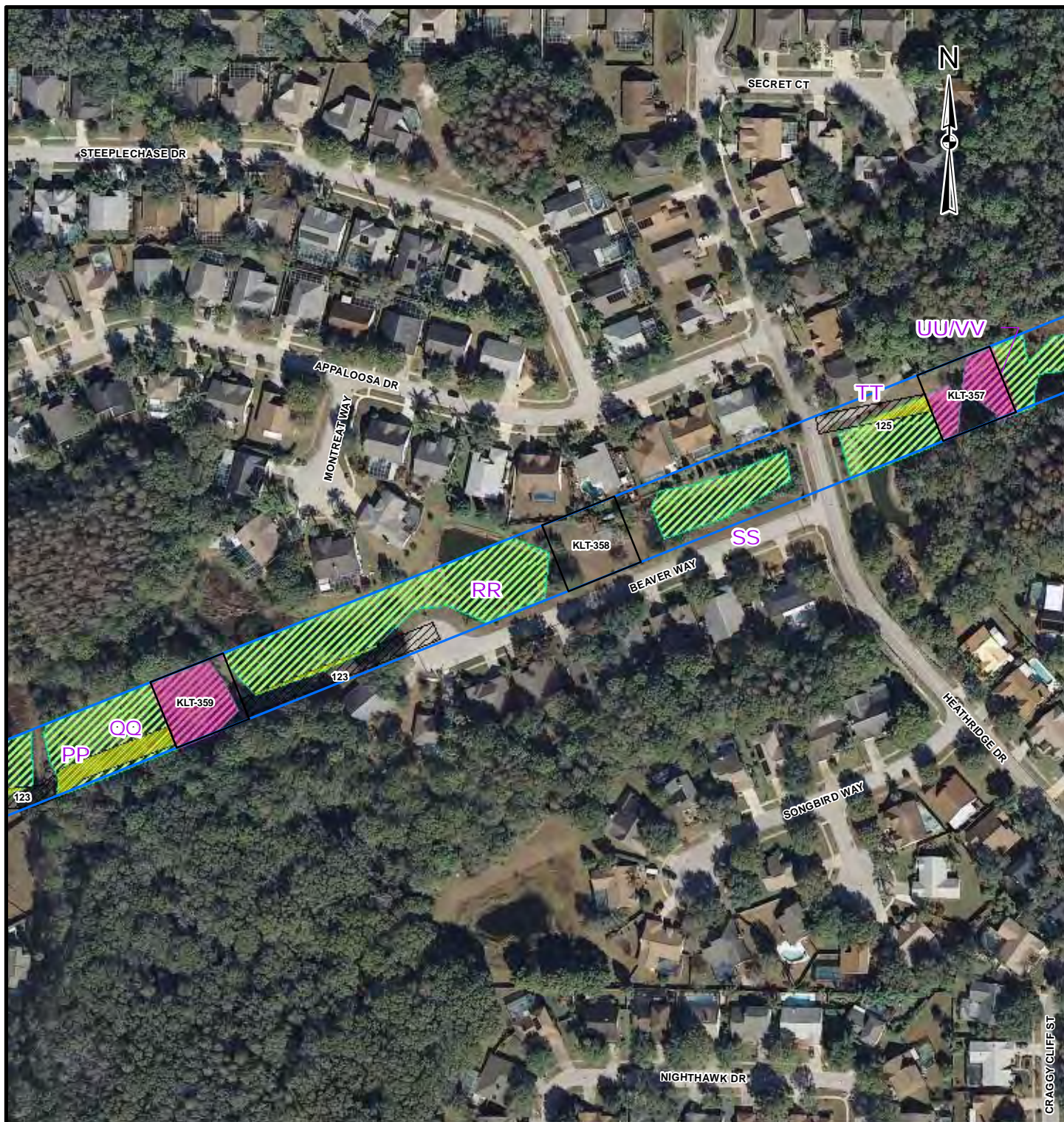
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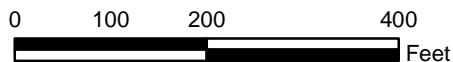
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

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- Surveyed Wetland Boundaries



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2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



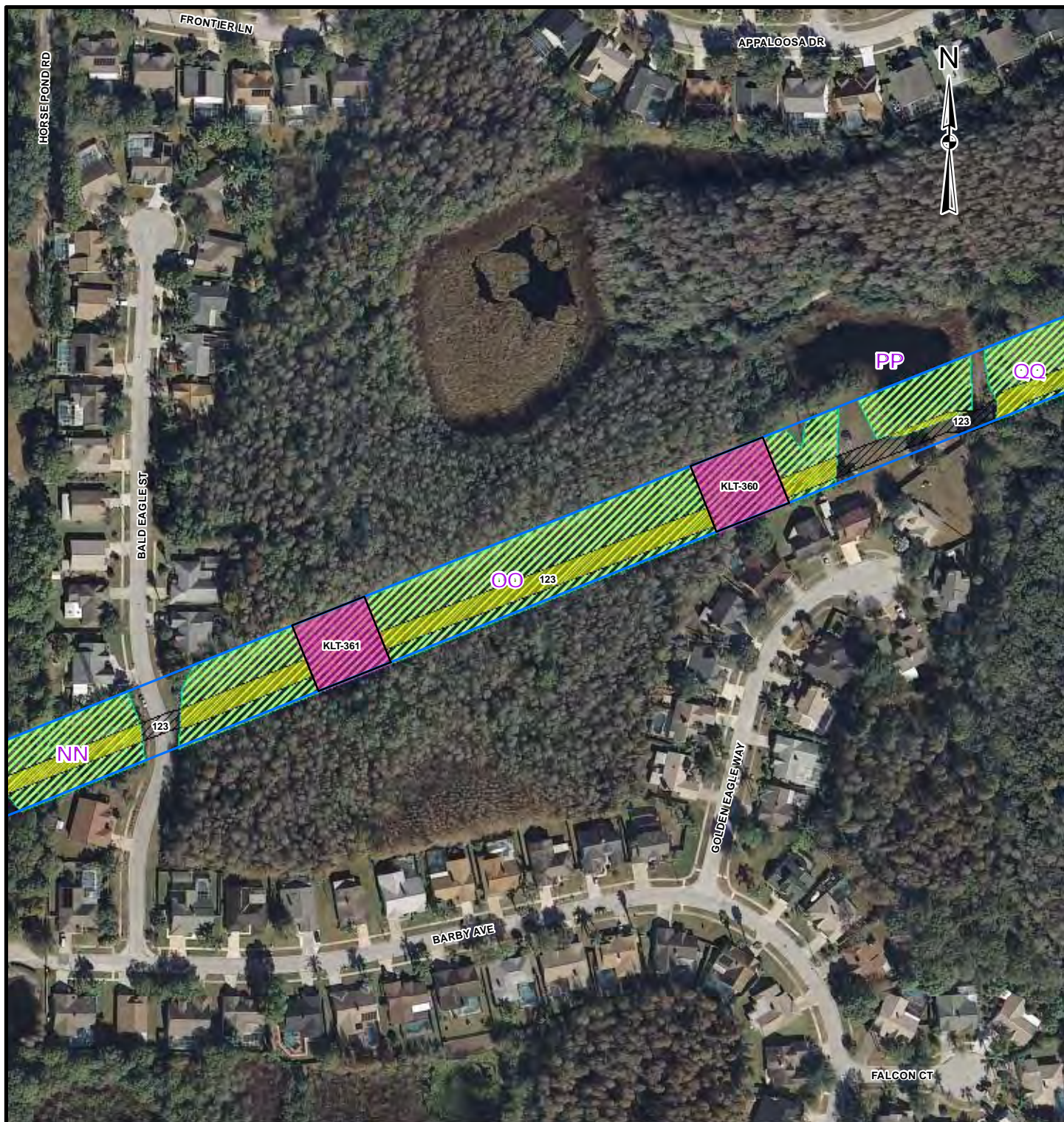
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CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
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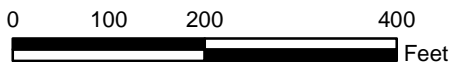
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001	
PROJECT No.	093-89547	REV. 1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

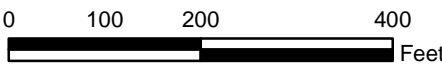
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

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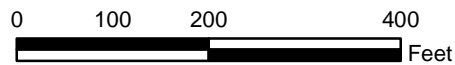
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<p>Golder Associates Gainesville, Florida</p>	SCALE	AS SHOWN
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	REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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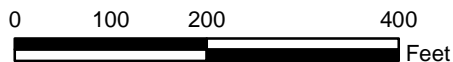
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LEGEND

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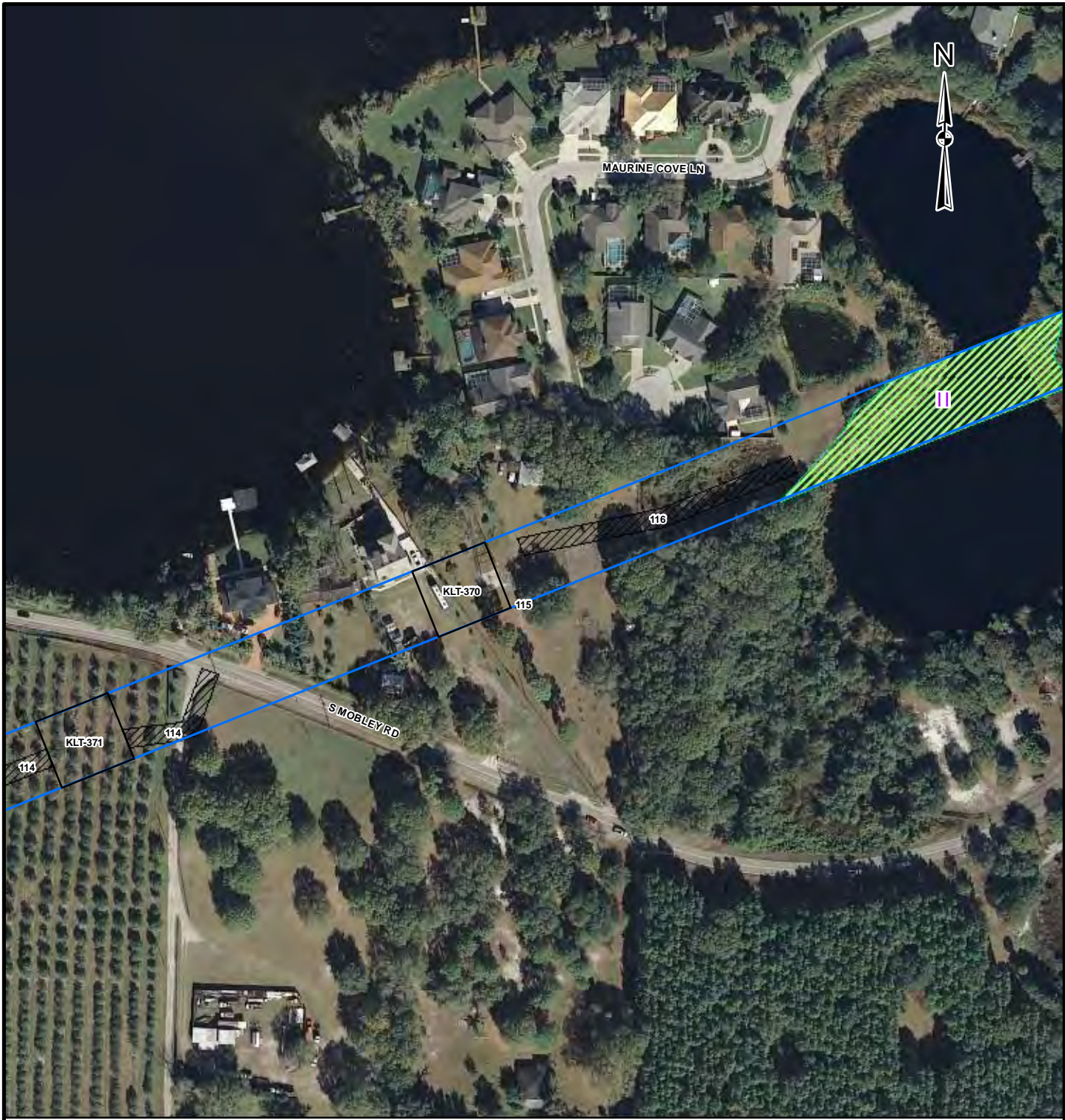
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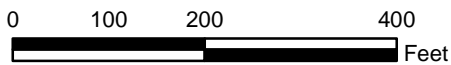
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LEGEND

-  PHP Pad Locations
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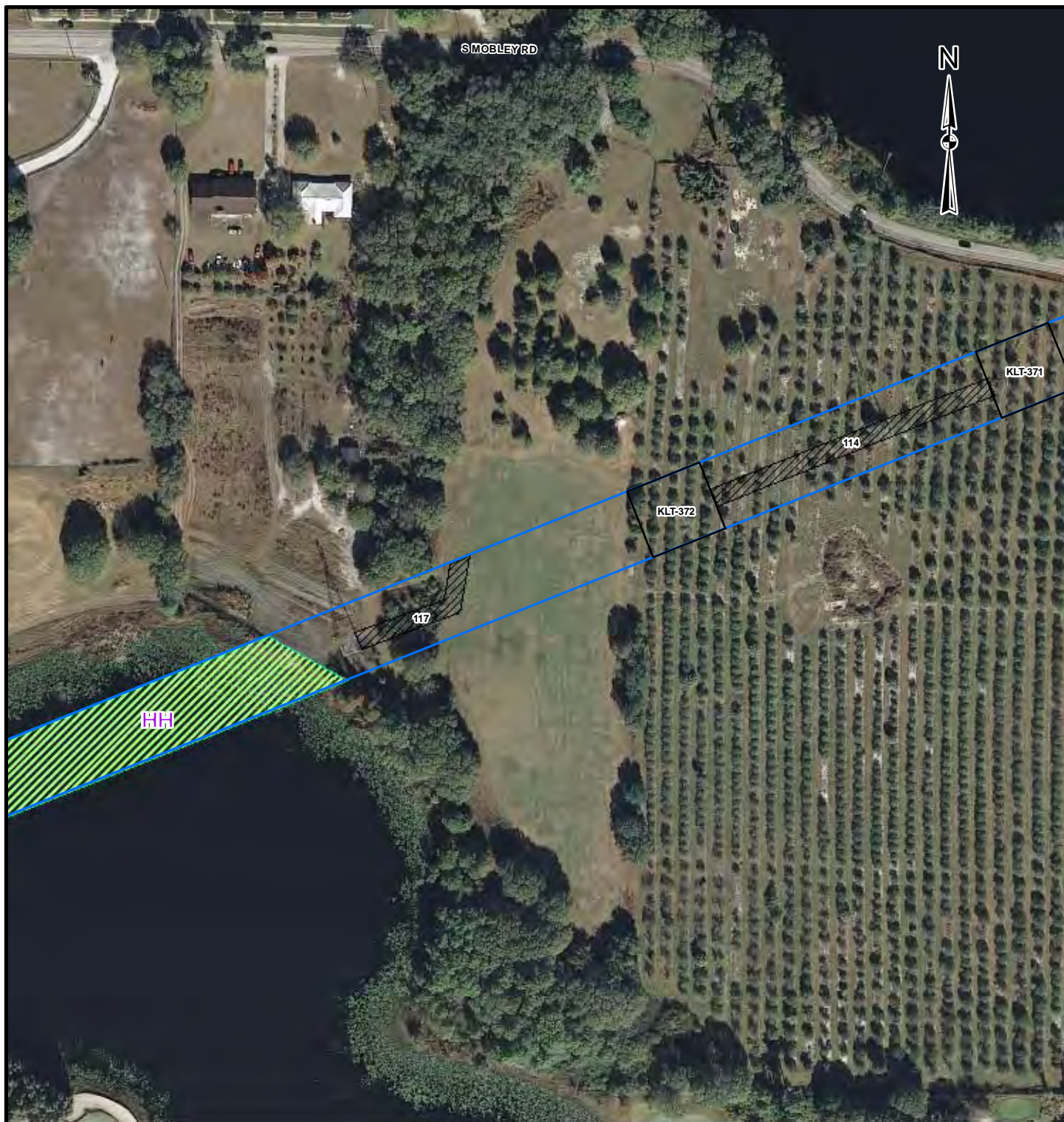
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

-  PHP Pad Locations
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PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

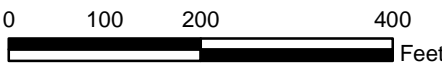
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LEGEND

- PHP Pad Locations
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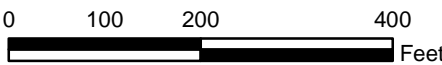
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Golder Associates
Gainesville, Florida

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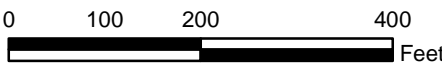
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**POLK - HILLSBOROUGH - PINELLAS (PHP)
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

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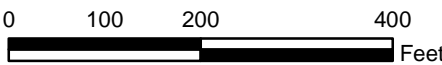
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LEGEND

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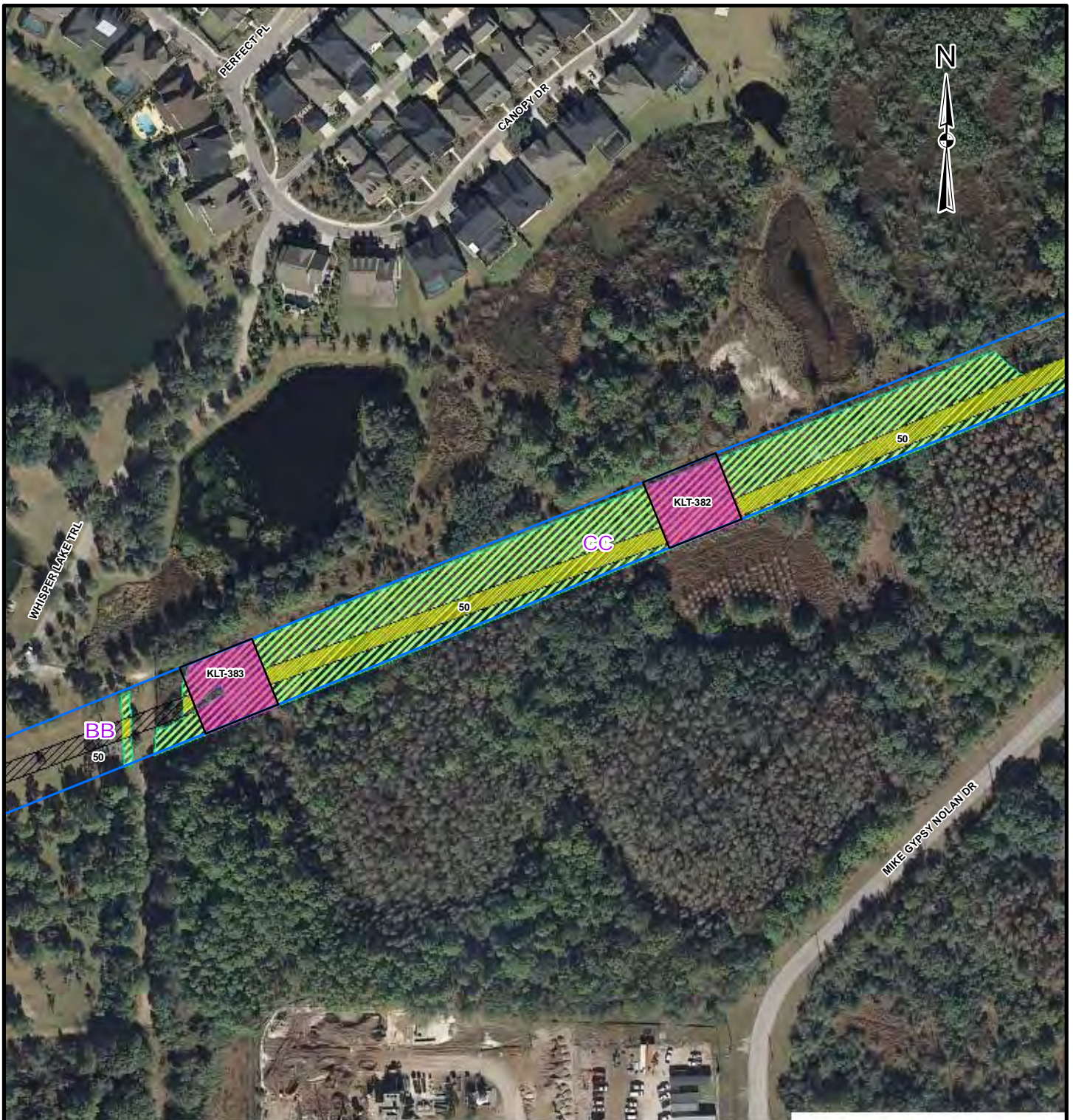
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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
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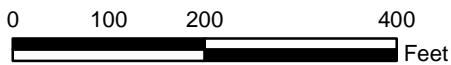
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LEGEND

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POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEGEND

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PROGRESS ENERGY FLORIDA
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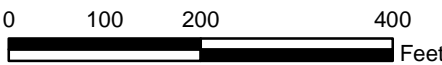
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LEGEND

- PHP Pad Locations
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




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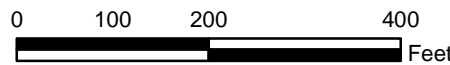
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LEGEND

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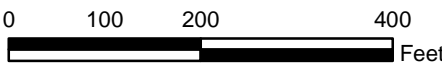
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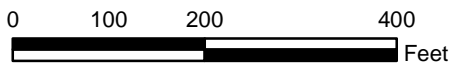


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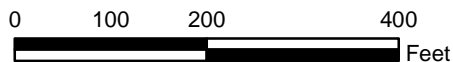
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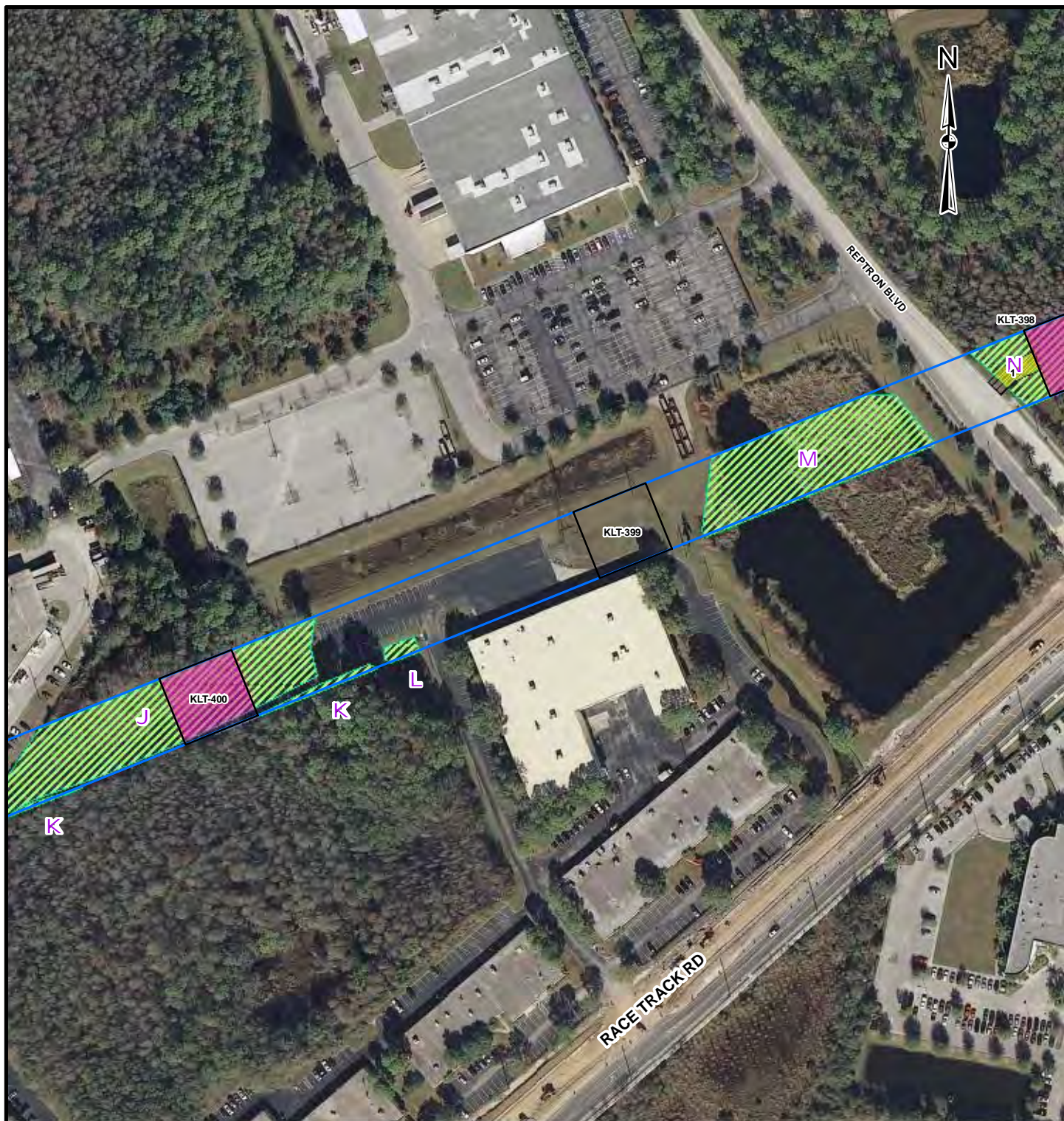
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

See wetland survey for acreages of wetlands.
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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LEGEND

-  PHP Pad Locations
-  PHP Right-of-Way
-  Structure Pad Wetland Fill Impacts
-  Access Roads Wetland Impact Areas
-  PHP Access Roads

-  Forested Wetland Clearing Impacts
-  Surveyed Wetland Boundaries



REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

NOTES

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SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

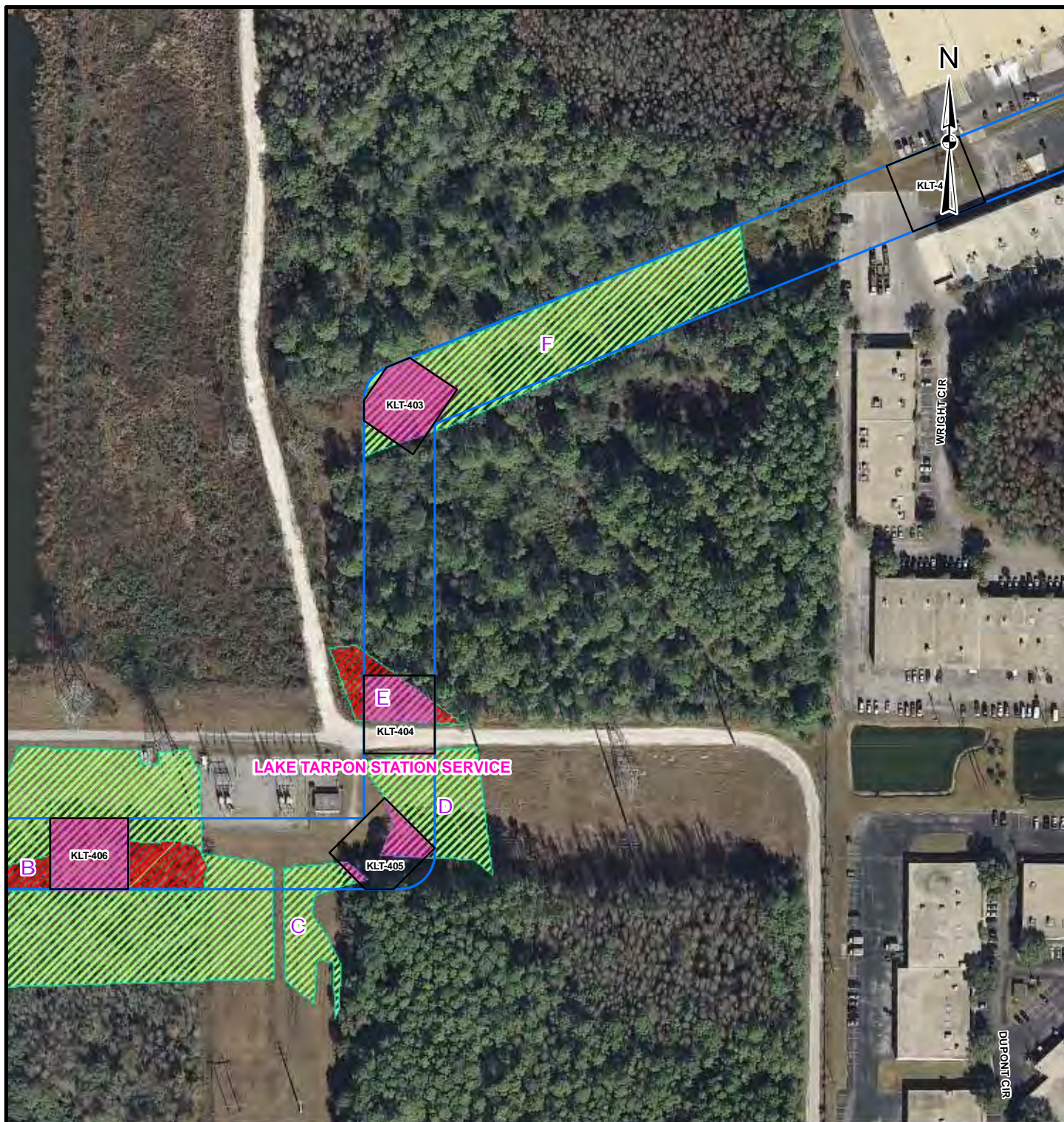
POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE **187 of 189**

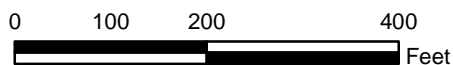
Map Document: 09389547Z001_Rev_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar



LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries



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SCALE AS SHOWN

DATE 2/18/2010

DESIGN KAB

GIS NRL

CHECK SR

REVIEW KAB

FILE No. 09389547Z001

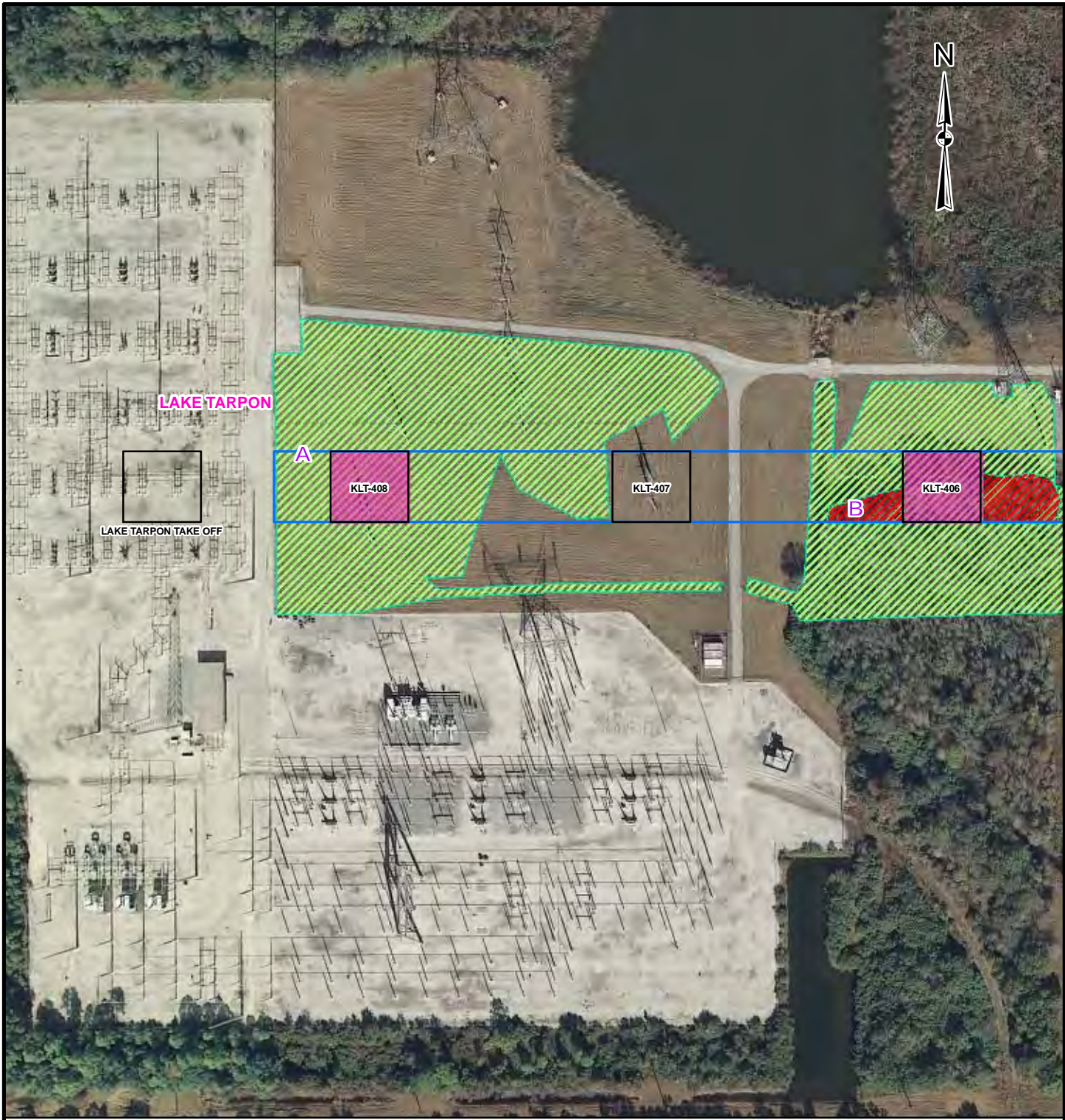
PROJECT No. 093-89547 REV. 1

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE

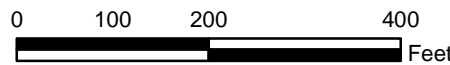
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LEGEND

- PHP Pad Locations
- PHP Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Roads Wetland Impact Areas
- PHP Access Roads

- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries



REFERENCES

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See wetland survey for acreages of wetlands.
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DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

POLK - HILLSBOROUGH - PINELLAS (PHP) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE
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Map Document: 09389547Z001_Rev1_PHP.mxd / Modified 2/17/2010 4:12:21 PM / Plotted 2/18/2010 3:24:33 PM by rlanar

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-1	A/B	641	Freshwater Marshes	0.22	0.22	0.73	0.16	0.16
KLT-2	A/B	641	Freshwater Marshes	0.22	0.24	0.73	0.16	0.17
	A/B	643	Wet Prairies	0.02		0.73	0.01	
KLT-3	A/B	641	Freshwater Marshes	0.25	0.25	0.73	0.18	0.18
KLT-4	A/B	621	Cypress	0.01	0.25	0.83	0.01	0.19
	A/B	641	Freshwater Marshes	0.24		0.73	0.18	
KLT-5	2	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18
KLT-6	2	641	Freshwater Marshes	0.15	0.15	0.70	0.11	0.11
KLT-7	3	641	Freshwater Marshes	0.10	0.19	0.70	0.07	0.13
	4	641	Freshwater Marshes	0.09		0.70	0.06	
KLT-9	6	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18
KLT-10	6	641	Freshwater Marshes	0.22	0.22	0.70	0.15	0.15
KLT-11	6	641	Freshwater Marshes	0.07	0.08	0.70	0.05	0.06
	7	511	Ditches	0.01		0.50	0.01	
KLT-13	10	641	Freshwater Marshes	0.24	0.24	0.70	0.17	0.17
KLT-14	11	511	Ditches	0.01	0.01	0.40	0.00*	0.00*
KLT-15	11	511	Ditches	0.01	0.01	0.40	0.00*	0.00*
KLT-16	13	641	Freshwater Marshes	0.20	0.20	0.70	0.14	0.14

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-17	13	641	Freshwater Marshes	0.04	0.09	0.70	0.03	0.06
	14	641	Freshwater Marshes	0.05		0.60	0.03	
KLT-18	15	641	Freshwater Marshes	0.19	0.19	0.70	0.13	0.13
KLT-19	16	641	Freshwater Marshes	0.17	0.17	0.70	0.12	0.12
KLT-20	17	641	Freshwater Marshes	0.03	0.03	0.70	0.02	0.02
KLT-22	18	641	Freshwater Marshes	0.02	0.02	0.80	0.02	0.02
KLT-23	020A/B	641	Freshwater Marshes	0.02	0.02	0.80	0.02	0.02
KLT-24	021A/B	641	Freshwater Marshes	0.07	0.07	0.80	0.06	0.06
KLT-30	28	641	Freshwater Marshes	0.00*	0.00*	0.70	0.00*	0.00*
KLT-31	030A/B	641	Freshwater Marshes	0.10	0.10	0.80	0.08	0.08
KLT-32	030A/B	641	Freshwater Marshes	0.19	0.19	0.80	0.15	0.15
KLT-33	32-33	641	Freshwater Marshes	0.13	0.20	0.60	0.08	0.12
	32-33	641	Freshwater Marshes	0.07		0.60	0.04	
KLT-34	34	511	Ditches	0.01	0.03	0.40	0.00*	0.01
	32-33	511	Ditches	0.01		0.40	0.00*	
	32-33	641	Freshwater Marshes	0.01		0.60	0.01	
KLT-39	38	641	Freshwater Marshes	0.17	0.17	0.70	0.12	0.12
KLT-46	42	631	Wetland Shrub	0.09	0.09	0.60	0.05	0.05

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-47	42	631	Wetland Shrub	0.25	0.25	0.60	0.15	0.15
KLT-48	42	631	Wetland Shrub	0.00*	0.00*	0.60	0.00*	0.00*
KLT-50	45	641	Freshwater Marshes	0.12	0.13	0.70	0.08	0.08
	46	511	Ditches	0.01			0.40	
KLT-53	50	511	Ditches	0.07	0.09	0.40	0.03	0.04
	50A	511	Ditches	0.02			0.40	
KLT-57	54	631	Wetland Shrub	0.08	0.08	0.60	0.05	0.05
KLT-58	55	511	Ditches	0.01	0.01	0.40	0.00*	0.00*
KLT-59	56	641	Freshwater Marshes	0.08	0.08	0.53	0.04	0.04
	57	631	Wetland Shrub	0.00*			0.60	
KLT-60	58	631	Wetland Shrub	0.01	0.07	0.60	0.01	0.03
	59	511	Ditches	0.06			0.40	
KLT-61	60	641	Freshwater Marshes	0.10	0.10	0.53	0.05	0.05
KLT-63	61	641	Freshwater Marshes	0.03	0.03	0.53	0.02	0.02
KLT-65	63	511	Ditches	0.02	0.02	0.40	0.01	0.01
KLT-72	69	511	Ditches	0.01	0.01	0.40	0.00*	0.00*
KLT-73	71	641	Freshwater Marshes	0.25	0.25	0.60	0.15	0.15
KLT-74	71	641	Freshwater Marshes	0.10	0.25	0.60	0.06	0.16
	71	618	Willow and Elderberry	0.15			0.67	

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-80	75	511	Ditches	0.04	0.04	0.40	0.02	0.02
KLT-81	77	643	Wet Prairies	0.01	0.01	0.50	0.01	0.01
KLT-92	81	641	Freshwater Marshes	0.00*	0.00*	0.53	0.00*	0.00*
KLT-98	89	618	Willow and Elderberry	0.05	0.08	0.67	0.03	0.04
	90	534	Reservoirs < 10 acres	0.03		0.43	0.01	
KLT-102	91	631	Wetland Shrub	0.15	0.15	0.60	0.09	0.09
KLT-103	92	641	Freshwater Marshes	0.12	0.12	0.53	0.06	0.06
KLT-104	93	510	Streams and Waterways	0.02	0.09	0.70	0.01	0.05
	94	641	Freshwater Marshes	0.07		0.53	0.04	
KLT-108	095A	631	Wetland Shrub	0.21	0.21	0.60	0.13	0.13
KLT-109	96	641	Freshwater Marshes	0.05	0.05	0.53	0.03	0.03
KLT-114	103	534	Reservoirs < 10 acres	0.00*	0.00*	0.43	0.00*	0.00*
KLT-118	107	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18
KLT-120	109	641	Freshwater Marshes	0.13	0.13	0.60	0.08	0.08
KLT-122	112A	643	Wet Prairies	0.13	0.13	0.63	0.08	0.08
KLT-124	113	534	Reservoirs < 10 acres	0.03	0.03	0.43	0.01	0.01
KLT-134	126	641	Freshwater Marshes	0.25	0.25	0.80	0.20	0.20

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-135	126	641	Freshwater Marshes	0.12	0.12	0.80	0.10	0.10
KLT-137	127	641	Freshwater Marshes	0.00*	0.00*	0.87	0.00*	0.00*
KLT-139	129	641	Freshwater Marshes	0.17	0.17	0.70	0.12	0.12
KLT-140	129	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18
KLT-146	132	641	Freshwater Marshes	0.19	0.19	0.60	0.11	0.11
KLT-147	EH	641	Freshwater Marshes	0.18	0.18	0.70	0.13	0.13
	EH	641	Freshwater Marshes	0.00*		0.70	0.00*	
KLT-148	EH	641	Freshwater Marshes	0.22	0.22	0.70	0.15	0.15
KLT-156	EE	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-163	DW	641	Freshwater Marshes	0.13	0.25	0.53	0.07	0.13
	DW	643	Wet Prairies	0.12		0.50	0.06	
KLT-166	DT	534	Reservoirs < 10 acres	0.10	0.10	0.43	0.04	0.04
KLT-171	DO	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-178	DK	534	Reservoirs < 10 acres	0.08	0.08	0.53	0.04	0.04
KLT-185	DH	631	Wetland Shrub	0.13	0.13	0.60	0.08	0.08
KLT-186	DG	641	Freshwater Marshes	0.09	0.09	0.70	0.06	0.06
KLT-191	DF	510	Streams and Waterways	0.11	0.11	0.70	0.08	0.08

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-214	DC	641	Freshwater Marshes	0.11	0.11	0.87	0.10	0.10
KLT-215	DB	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-216	DB	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-217	DB	631	Wetland Shrub	0.08	0.08	0.80	0.06	0.06
KLT-232	CW	631	Wetland Shrub	0.05	0.05	0.80	0.04	0.04
KLT-234	CV	641	Freshwater Marshes	0.12	0.23	0.87	0.10	0.20
	CV	641	Freshwater Marshes	0.11			0.10	
KLT-241	CS	511	Ditches	0.04	0.04	0.40	0.02	0.02
KLT-242	CR	534	Reservoirs < 10 acres	0.07	0.07	0.53	0.04	0.04
KLT-259	CP	641	Freshwater Marshes	0.14	0.14	0.60	0.08	0.08
KLT-263	CM	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18
KLT-264	CK/CL	641	Freshwater Marshes	0.24	0.24	0.70	0.17	0.17
KLT-265	CK/CL	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18
KLT-268	CI	641	Freshwater Marshes	0.08	0.08	0.70	0.06	0.06
KLT-269	CH	641	Freshwater Marshes	0.00*	0.00*	0.70	0.00*	0.00*
KLT-270	CG	643	Wet Prairies	0.00*	0.00*	0.50	0.00*	0.00*
KLT-271	CF	641	Freshwater Marshes	0.18	0.18	0.80	0.14	0.14

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-273	CE	641	Freshwater Marshes	0.16	0.16	0.70	0.11	0.11
KLT-274	CE	641	Freshwater Marshes	0.22	0.22	0.70	0.15	0.15
KLT-276	CD	510	Streams and Waterways	0.25	0.25	0.80	0.20	0.20
KLT-277	CC	643	Wet Prairies	0.08	0.08	0.77	0.06	0.06
KLT-279	CB	643	Wet Prairies	0.18	0.18	0.63	0.11	0.11
KLT-280	CA	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-281	BZ	631	Wetland Shrub	0.19	0.19	0.80	0.15	0.15
KLT-282	BZ	631	Wetland Shrub	0.24	0.24	0.80	0.19	0.19
KLT-283	BZ	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-289	BV	631	Wetland Shrub	0.14	0.14	0.60	0.08	0.08
KLT-295	BS	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-296	BS	631	Wetland Shrub	0.16	0.16	0.80	0.13	0.13
KLT-299	BQ	641	Freshwater Marshes	0.09	0.09	0.53	0.05	0.05
KLT-301	BO	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-310	BG	511	Ditches	0.01	0.01	0.40	0.00*	0.00*
KLT-312	BE	530	Reservoirs	0.03	0.03	0.43	0.01	0.01

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-313	BD	631	Wetland Shrub	0.17	0.17	0.80	0.14	0.14
KLT-314	BD	631	Wetland Shrub	0.25	0.25	0.80	0.20	0.20
KLT-316	BC	631	Wetland Shrub	0.17	0.17	0.60	0.10	0.10
KLT-319	AZ	631	Wetland Shrub	0.00*	0.01	0.47	0.00*	0.00*
	BA	631	Wetland Shrub	0.01		0.47	0.00*	
KLT-325	AW	530	Reservoirs	0.07	0.07	0.43	0.03	0.03
KLT-339	AM	631	Wetland Shrub	0.25	0.25	0.60	0.15	0.15
KLT-340	AM	641	Freshwater Marshes	0.13	0.13	0.70	0.09	0.09
KLT-341	AL	641	Freshwater Marshes	0.17	0.17	0.53	0.09	0.09
KLT-342	AL	641	Freshwater Marshes	0.04	0.04	0.53	0.02	0.02
KLT-353	AB	641	Freshwater Marshes	0.12	0.12	0.60	0.07	0.07
KLT-355	YY	530	Reservoirs	0.04	0.04	0.43	0.02	0.02
KLT-357	TT	530	Reservoirs	0.05	0.15	0.43	0.02	0.08
	UU/VV	641	Freshwater Marshes	0.10		0.60	0.06	
KLT-359	QQ	641	Freshwater Marshes	0.21	0.21	0.87	0.18	0.18
	RR	530	Reservoirs	0.00*		0.43	0.00*	
KLT-360	OO	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18
KLT-361	OO	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-364	MM	511	Ditches	0.03	0.03	0.40	0.01	0.01
KLT-365	LL	631	Wetland Shrub	0.07	0.07	0.47	0.03	0.03
KLT-366	KK	641	Freshwater Marshes	0.18	0.18	0.53	0.10	0.10
KLT-378	FF	641	Freshwater Marshes	0.21	0.21	0.80	0.17	0.17
KLT-382	CC	631	Wetland Shrub	0.24	0.24	0.80	0.19	0.19
KLT-383	CC	631	Wetland Shrub	0.24	0.24	0.80	0.19	0.19
KLT-384	Y	511	Ditches	0.01	0.01	0.50	0.01	0.01
KLT-385	Y	511	Ditches	0.03	0.04	0.50	0.02	0.03
	Z	641	Freshwater Marshes	0.01		0.53	0.01	
KLT-387	U	641	Freshwater Marshes	0.11	0.11	0.53	0.06	0.06
KLT-389	W	641	Freshwater Marshes	0.13	0.16	0.70	0.09	0.11
	X	641	Freshwater Marshes	0.03		0.80	0.02	
KLT-397	N	641	Freshwater Marshes	0.07	0.07	0.70	0.05	0.05
KLT-398	N	641	Freshwater Marshes	0.25	0.25	0.70	0.18	0.18
KLT-400	J	641	Freshwater Marshes	0.23	0.23	0.70	0.16	0.16
	K	621	Cypress	0.00*		0.83	0.00*	
KLT-401	H	511	Ditches	0.05	0.05	0.40	0.02	0.02
KLT-403	F	641	Freshwater Marshes	0.23	0.23	0.80	0.18	0.18

**Progress Energy Florida
Levy Baseload Project
PHP Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
KLT-404	D	641	Freshwater Marshes	0.00*	0.12	0.60	0.00*	0.09
	E	630	Wetland Forested Mixed	0.12		0.73	0.09	
KLT-405	C	641	Freshwater Marshes	0.01	0.08	0.60	0.01	0.05
	D	641	Freshwater Marshes	0.07		0.60	0.04	
KLT-406	B	621	Cypress	0.16	0.25	0.83	0.13	0.20
	B	641	Freshwater Marshes	0.09		0.83	0.07	
KLT-408	A	641	Freshwater Marshes	0.25	0.25	0.53	0.13	0.13
KWX-1	A/B	641	Freshwater Marshes	0.20	0.20	0.73	0.15	0.15
KZN-1	A/B	641	Freshwater Marshes	0.25	0.25	0.73	0.18	0.18
KZN-2	A/B	641	Freshwater Marshes	0.24	0.25	0.73	0.18	0.19
	A/B	630	Wetland Forested Mixed	0.01		0.83	0.01	
KZN-1/2	A/B	641	Freshwater Marshes	0.07	0.09	0.73	0.05	0.07
	A/B	630	Wetland Forested Mixed	0.02		0.83	0.02	
Totals					20.09			13.95

* Impact Acreage or Mitigation Credits < 0.005

**Progress Energy Florida
Levy Baseload Project
PHP Access Roads Wetland Impacts**

Access Road ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
1	N	641	Freshwater Marshes	0.04	0.04	0.70	0.03	0.03
11	DB	631	Wetland Shrub	0.36	0.36	0.80	0.29	0.29
	DB	631	Wetland Shrub	0.00*		0.80	0.00*	
20	DG	641	Freshwater Marshes	0.14	0.14	0.70	0.10	0.10
22	DO	631	Wetland Shrub	0.04	0.04	0.80	0.03	0.03
33	DW	641	Freshwater Marshes	0.02	0.02	0.53	0.01	0.01
41	EE	631	Wetland Shrub	0.07	0.07	0.80	0.06	0.06
50	X	641	Freshwater Marshes	0.15	1.36	0.80	0.12	0.97
	W	641	Freshwater Marshes	0.19		0.70	0.13	
	V	641	Freshwater Marshes	0.16		0.53	0.08	
	U	641	Freshwater Marshes	0.02		0.53	0.01	
	AA	641	Freshwater Marshes	0.17		0.53	0.09	
	Y	511	Ditches	0.01		0.50	0.01	
	BB	511	Ditches	0.01		0.50	0.01	
CC	631	Wetland Shrub	0.65	0.80	0.52			
59	EH	641	Freshwater Marshes	0.02	0.02	0.70	0.01	0.01
63	EH	641	Freshwater Marshes	0.02	0.02	0.70	0.01	0.01
66	EE	641	Freshwater Marshes	0.20	0.20	0.87	0.17	0.17
	DD	631	Wetland Shrub	0.00*		0.47	0.00*	
67	131	511	Ditches	0.01	0.01	0.40	0.00*	0.00*

**Progress Energy Florida
Levy Baseload Project
PHP Access Roads Wetland Impacts**

Access Road ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
73	DA	511	Ditches	0.03	0.03	0.50	0.02	0.02
74	127	641	Freshwater Marshes	0.07	0.42	0.87	0.06	0.30
	128	511	Ditches	0.02		0.50	0.01	
	129	641	Freshwater Marshes	0.33		0.70	0.23	
77	126	641	Freshwater Marshes	0.23	0.23	0.80	0.18	0.18
81	121	511	Ditches	0.00*	0.22	0.40	0.00*	0.11
	123	643	Wet Prairies	0.22		0.50	0.11	
85	107	641	Freshwater Marshes	0.05	0.05	0.70	0.04	0.04
86	110A	511	Ditches	0.01	0.07	0.40	0.00*	0.03
	111	511	Ditches	0.01		0.40	0.00*	
	112A	643	Wet Prairies	0.05		0.63	0.03	
95	95	641	Freshwater Marshes	0.01	0.14	0.53	0.01	0.09
	095A	631	Wetland Shrub	0.12		0.60	0.07	
	97	511	Ditches	0.01		0.50	0.01	
97	94	641	Freshwater Marshes	0.00*	0.00*	0.53	0.00*	0.00*
99	91	631	Wetland Shrub	0.01	0.01	0.60	0.01	0.01
	92	641	Freshwater Marshes	0.00*		0.53	0.00*	
109	83	511	Ditches	0.00*	0.00*	0.40	0.00*	0.00*
119	CV	641	Freshwater Marshes	0.52	0.52	0.87	0.45	0.45
	CV	641	Freshwater Marshes	0.00*		0.87	0.00*	

**Progress Energy Florida
Levy Baseload Project
PHP Access Roads Wetland Impacts**

Access Road ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
122	MM	511	Ditches	0.17	0.17	0.40	0.07	0.07
123	NN	641	Freshwater Marshes	0.12	0.74	0.70	0.08	0.53
	OO	641	Freshwater Marshes	0.47		0.70	0.33	
	PP	530	Reservoirs	0.02		0.43	0.01	
	QQ	641	Freshwater Marshes	0.11		0.87	0.10	
	RR	530	Reservoirs	0.02		0.43	0.01	
125	TT	530	Reservoirs	0.03	0.03	0.43	0.01	0.01
126	ZZ	530	Reservoirs	0.02	0.02	0.43	0.01	0.01
128	WW	641	Freshwater Marshes	0.15	0.26	0.70	0.11	0.16
	YY	530	Reservoirs	0.09		0.43	0.04	
	XX	631	Wetland Shrub	0.02		0.60	0.01	
130	AB	641	Freshwater Marshes	0.26	0.26	0.60	0.16	0.16
134	78	511	Ditches	0.01	0.02	0.50	0.01	0.01
	79	511	Ditches	0.01		0.40	0.00*	
135	AH	530	Reservoirs	0.21	0.21	0.43	0.09	0.09
141	AL	641	Freshwater Marshes	0.29	0.29	0.53	0.15	0.15
142	AM	641	Freshwater Marshes	0.16	0.16	0.70	0.11	0.11
143	AM	631	Wetland Shrub	0.06	0.06	0.60	0.04	0.04
144	CO	641	Freshwater Marshes	0.11	0.11	0.70	0.08	0.08

**Progress Energy Florida
Levy Baseload Project
PHP Access Roads Wetland Impacts**

Access Road ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
152	AQ	630	Wetland Forested Mixed	0.03	0.11	0.73	0.02	0.05
	AQ	511	Ditches	0.08		0.40	0.03	
153	71	641	Freshwater Marshes	0.05	0.05	0.60	0.03	0.03
157	71	641	Freshwater Marshes	0.04	0.04	0.60	0.02	0.02
166	CG	643	Wet Prairies	0.07	0.40	0.50	0.04	0.27
	CE	641	Freshwater Marshes	0.01		0.70	0.01	
	CE	641	Freshwater Marshes	0.29		0.70	0.20	
	CE	641	Freshwater Marshes	0.03		0.70	0.02	
168	BC	631	Wetland Shrub	0.02	0.02	0.60	0.01	0.01
169	CC	643	Wet Prairies	0.19	0.42	0.77	0.15	0.33
	CD	510	Streams and Waterways	0.23		0.80	0.18	
170	CA	631	Wetland Shrub	0.15	0.16	0.80	0.12	0.13
	CB	643	Wet Prairies	0.01		0.63	0.01	
172	BZ	631	Wetland Shrub	0.29	0.29	0.80	0.23	0.23
173	BD	631	Wetland Shrub	0.32	0.32	0.80	0.26	0.26
174	BZ	631	Wetland Shrub	0.22	0.22	0.80	0.18	0.18
179	BS	631	Wetland Shrub	0.21	0.21	0.80	0.17	0.17
180	BI	631	Wetland Shrub	0.07	0.07	0.47	0.03	0.03
184	BS	631	Wetland Shrub	0.03	0.03	0.80	0.02	0.02

**Progress Energy Florida
Levy Baseload Project
PHP Access Roads Wetland Impacts**

Access Road ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
186	BQ	641	Freshwater Marshes	0.00*	0.00*	0.53	0.00*	0.00*
191	BU	631	Wetland Shrub	0.02	0.02	0.47	0.01	0.01
192	66	643	Wet Prairies	0.02	0.02	0.50	0.01	0.01
195	63	511	Ditches	0.01	0.01	0.40	0.00*	0.00*
196	CS	511	Ditches	0.00*	0.00*	0.40	0.00*	0.00*
198	61	641	Freshwater Marshes	0.07	0.07	0.53	0.04	0.04
201	59	511	Ditches	0.00*	0.00*	0.40	0.00*	0.00*
203	54	631	Wetland Shrub	0.07	0.07	0.60	0.04	0.04
205	42	631	Wetland Shrub	0.26	0.26	0.60	0.16	0.16
206	32-33	641	Freshwater Marshes	0.02	1.00	0.60	0.01	0.64
	32-33	511	Ditches	0.01		0.40	0.00*	
	030A/B	641	Freshwater Marshes	0.17		0.80	0.14	
	32-33	641	Freshwater Marshes	0.19		0.60	0.11	
	32-33	641	Freshwater Marshes	0.08		0.60	0.05	
	35	641	Freshwater Marshes	0.17		0.53	0.09	
	37	641	Freshwater Marshes	0.02		0.53	0.01	
	37	511	Ditches	0.00*		0.50	0.00*	
	38	641	Freshwater Marshes	0.00*		0.70	0.00*	
	40	641	Freshwater Marshes	0.01		0.70	0.01	
	42	631	Wetland Shrub	0.00*		0.60	0.00*	
	45	641	Freshwater Marshes	0.24		0.70	0.17	
	47A	511	Ditches	0.04		0.40	0.02	
	49	510	Streams and Waterways	0.02		0.80	0.02	
	50	511	Ditches	0.03		0.40	0.01	

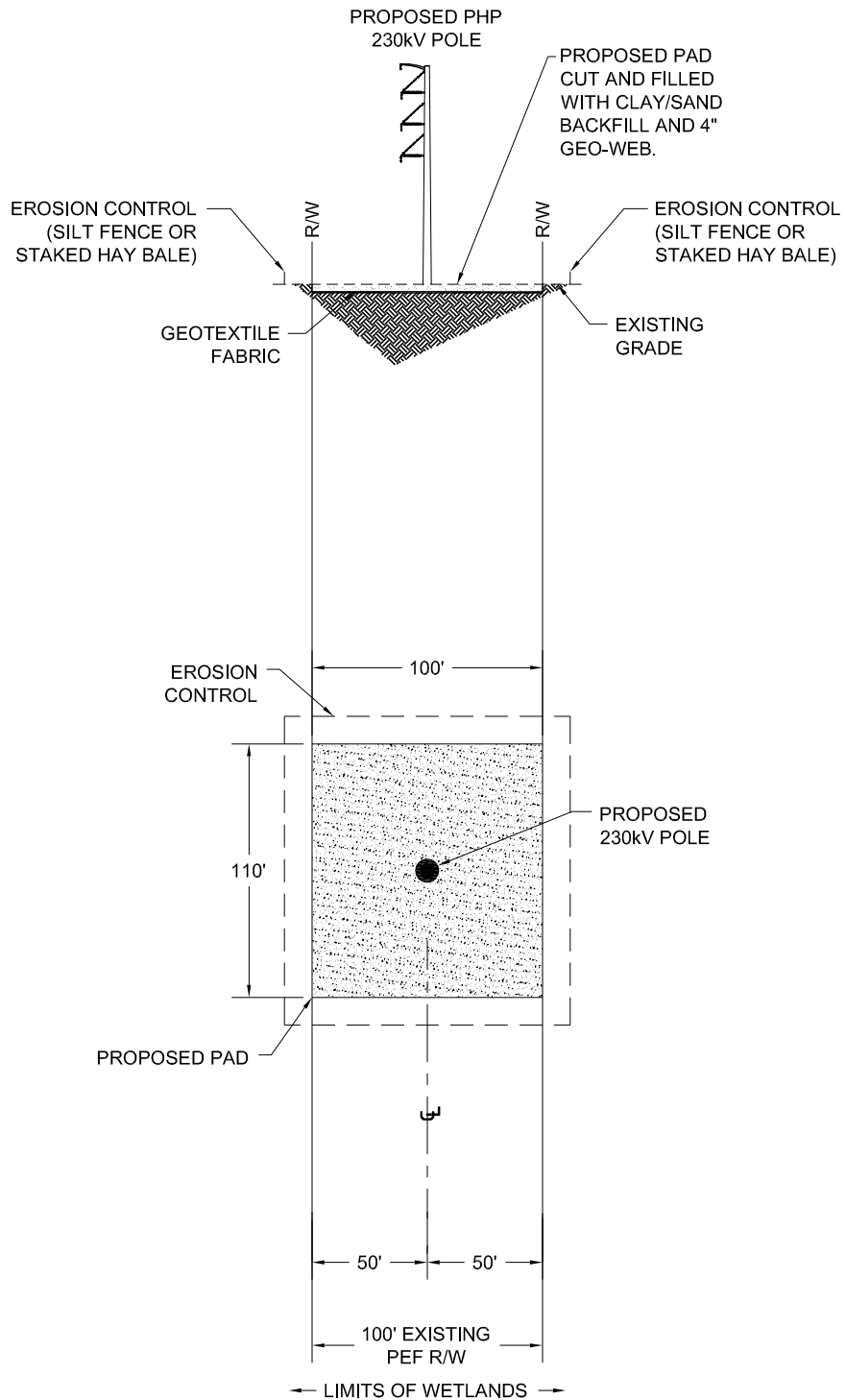
**Progress Energy Florida
Levy Baseload Project
PHP Access Roads Wetland Impacts**

Access Road ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
207	29	511	Ditches	0.01	0.01	0.40	0.00*	0.00*
208	025A/B	511	Ditches	0.01	0.01	0.50	0.01	0.01
209	022A/B	641	Freshwater Marshes	0.02	0.35	0.80	0.02	0.28
	021A/B	641	Freshwater Marshes	0.09		0.80	0.07	
	020A/B	641	Freshwater Marshes	0.06		0.80	0.05	
	18	641	Freshwater Marshes	0.13		0.80	0.10	
	023A/B	641	Freshwater Marshes	0.05		0.80	0.04	
212	2	641	Freshwater Marshes	0.05	0.68	0.70	0.04	0.48
	3	641	Freshwater Marshes	0.09		0.70	0.06	
	4	641	Freshwater Marshes	0.04		0.70	0.03	
	5	511	Ditches	0.01		0.50	0.01	
	6	641	Freshwater Marshes	0.49		0.70	0.34	
214	A/B	641	Freshwater Marshes	0.26	0.26	0.73	0.19	0.19
215	A/B	641	Freshwater Marshes	0.40	0.52	0.73	0.29	0.38
	A/B	630	Wetland Forested Mixed	0.02		0.83	0.02	
	A/B	643	Wet Prairies	0.10		0.73	0.07	
216	CM	641	Freshwater Marshes	0.06	0.06	0.70	0.04	0.04
217	CM	641	Freshwater Marshes	0.01	0.01	0.70	0.01	0.01
218	CK/CL	641	Freshwater Marshes	0.04	0.04	0.70	0.03	0.03
Totals					12.03			8.38

* Impact Acreage or Mitigation Credits < 0.005

**Progress Energy Florida
Levy Baseload Project
PHP Forested Wetland Clearing Impacts**

Wetland ID	FLUCFCS Code	FLUCFCS Definition	Clearing Impact Acreage	Total Clearing Impact Acreage	UMAM	Functional Loss / Acre (UMAM)	Mitigation Credits	Total Mitigation Credits
B	621	Cypress	0.25	0.25	0.83	0.40	0.10	0.10
E	630	Wetland Forested Mixed	0.10	0.10	0.73	0.30	0.03	0.03
Totals				0.35				0.13



LOOKING TOWARD KATHLEEN SUBSTATION



TRANSMISSION DESIGN

TYPICAL PAD
DRAWING FOR WETLANDS
POLK - HILLSBOURGH - PINELLAS
230kV LINE
BASE LOAD STUDY

10/07/11
DATE

1" = 80'
SCALE

PEI
DRAWN

PEI
TECH

PEI
CHECK

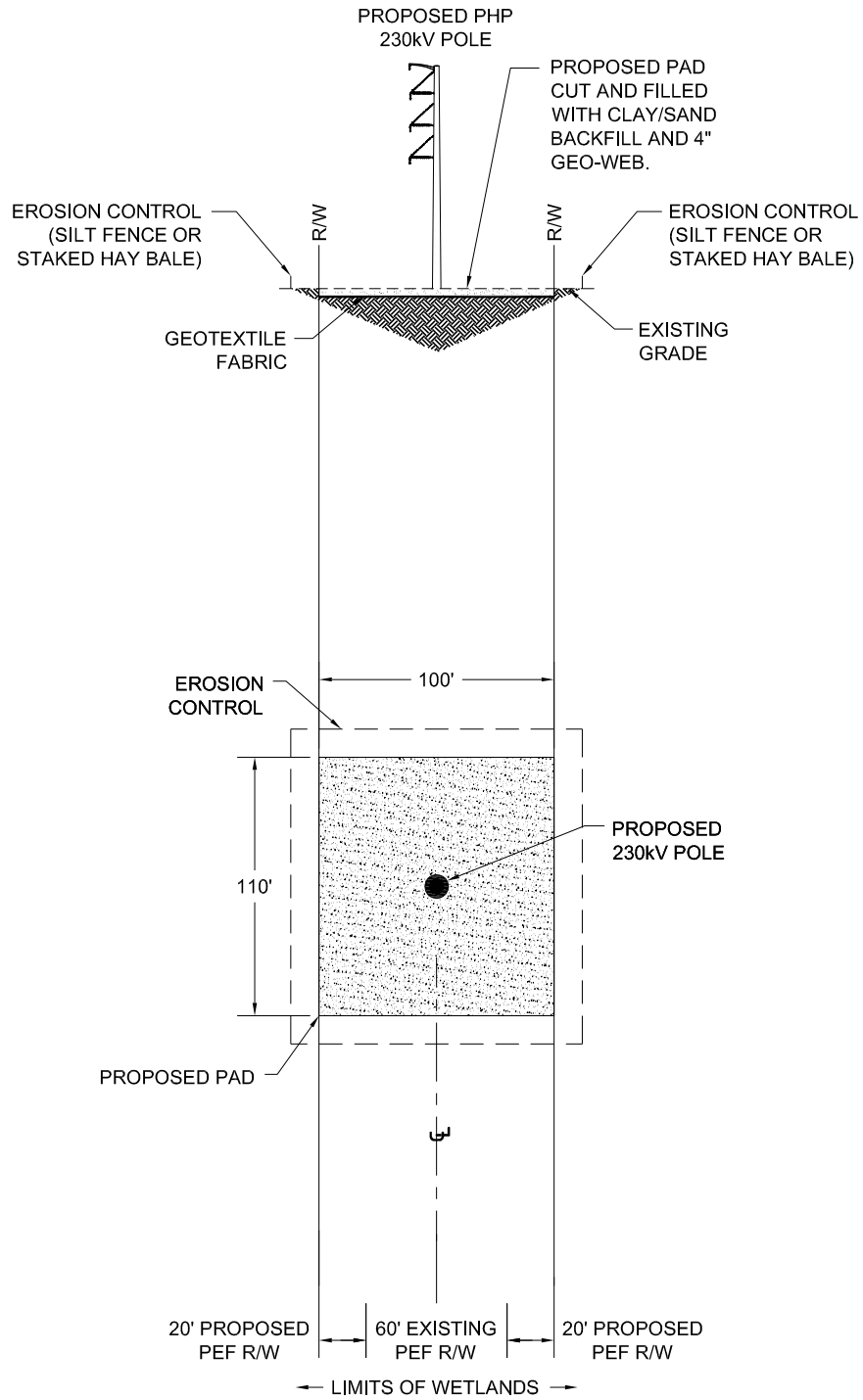
PEI
ENGR

1 OF 1
SHEET

DWG. L1-23

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE



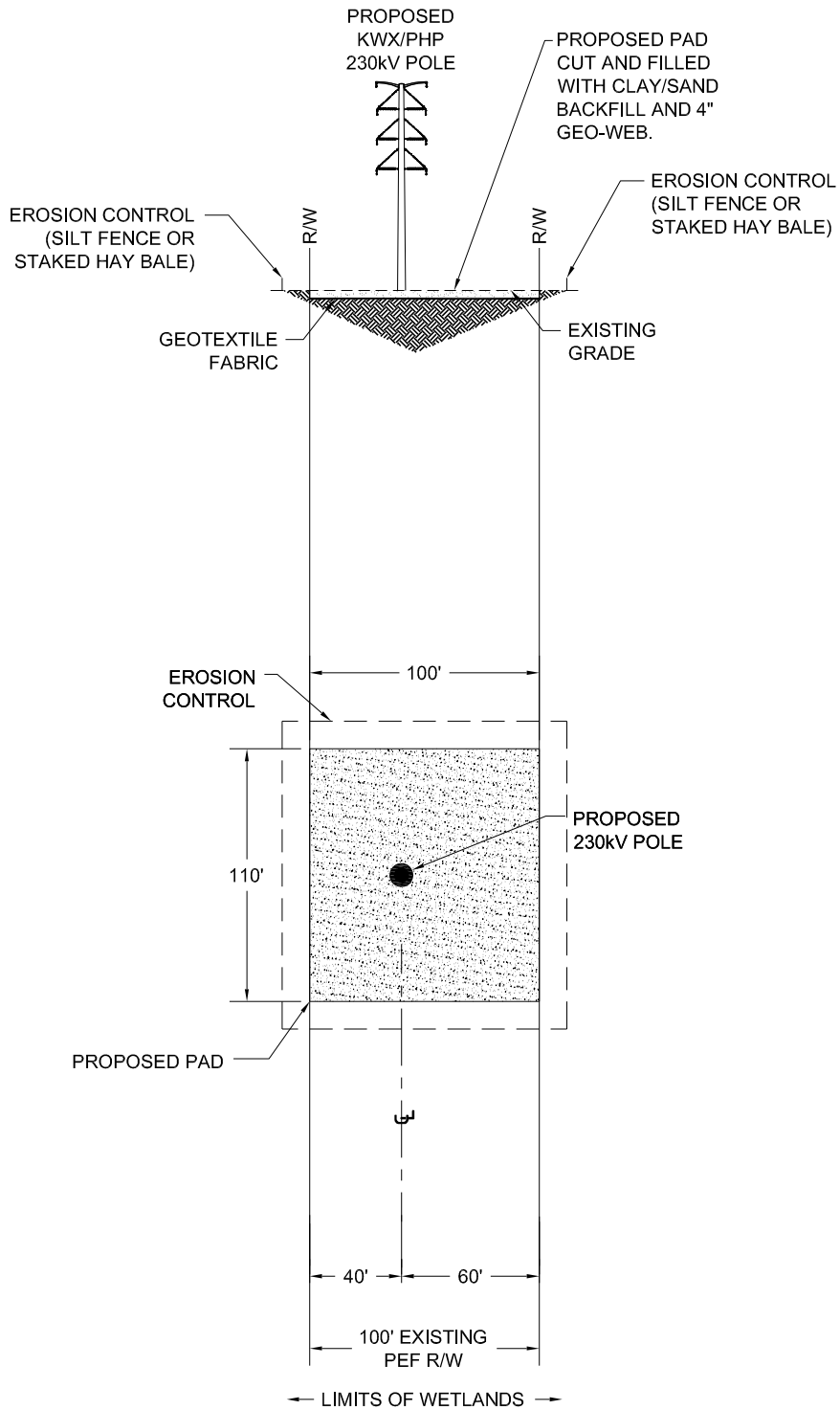
LOOKING TOWARD KATHLEEN SUBSTATION

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE



10/07/11 DATE		1" = 80' SCALE	TRANSMISSION DESIGN
PEI DRAWN	PEI TECH	TYPICAL PAD DRAWING FOR WETLANDS POLK - HILLSBOURGH - PINELLAS 230kV LINE BASE LOAD STUDY	
PEI CHECK	PEI ENGR		
1 OF 1 SHEET		DWG. L1-24	



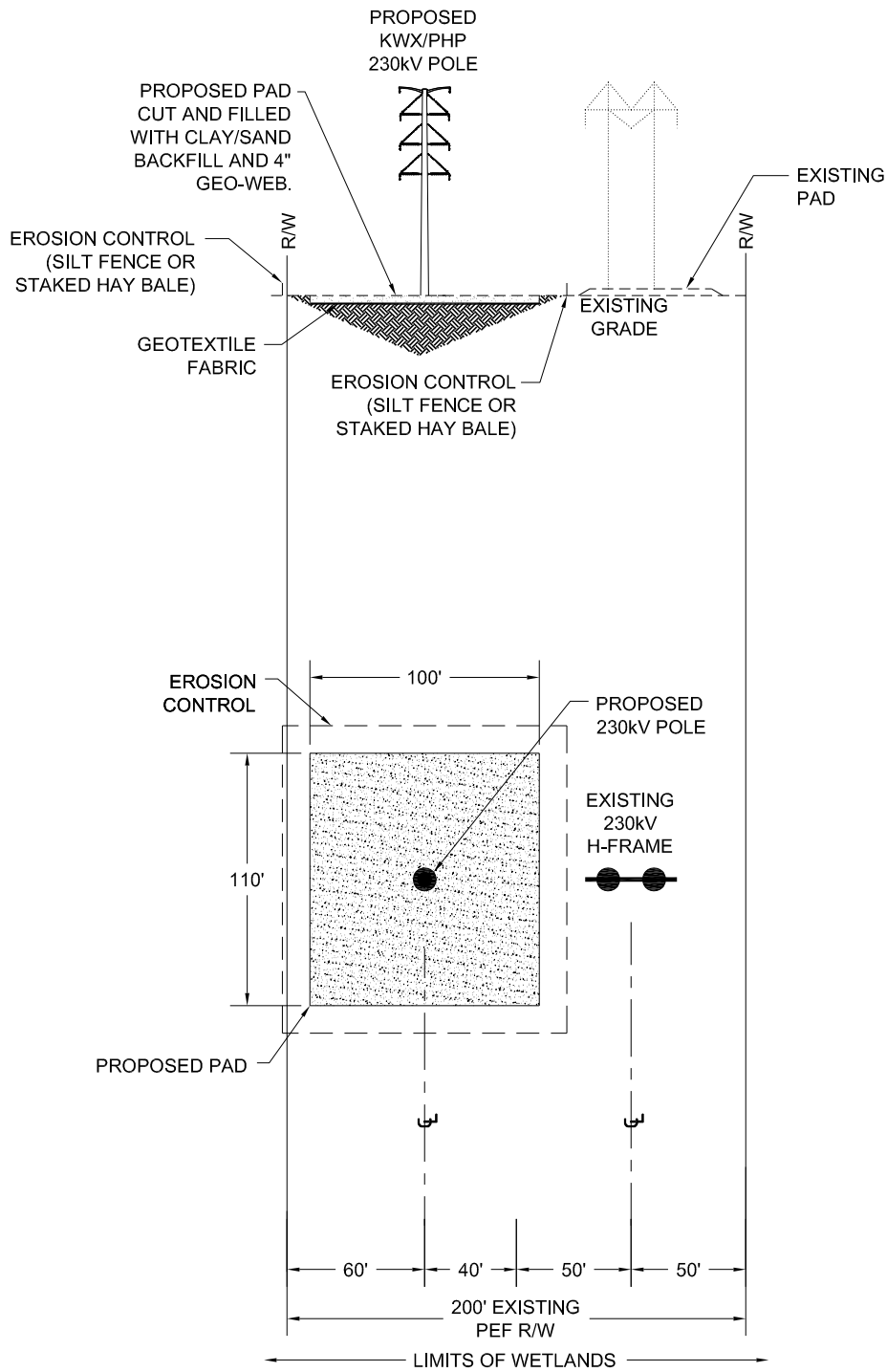
LOOKING TOWARD KATHLEEN SUBSTATION

LEGEND:

- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE



10/07/11 DATE		1" = 80' SCALE	TRANSMISSION DESIGN
PEI DRAWN	PEI TECH		TYPICAL PAD DRAWING FOR WETLANDS POLK - HILLSBOURGH - PINELLAS 230kV LINE BASE LOAD STUDY
PEI CHECK	PEI ENGR		
1 OF 1 SHEET		DWG. L1-25	



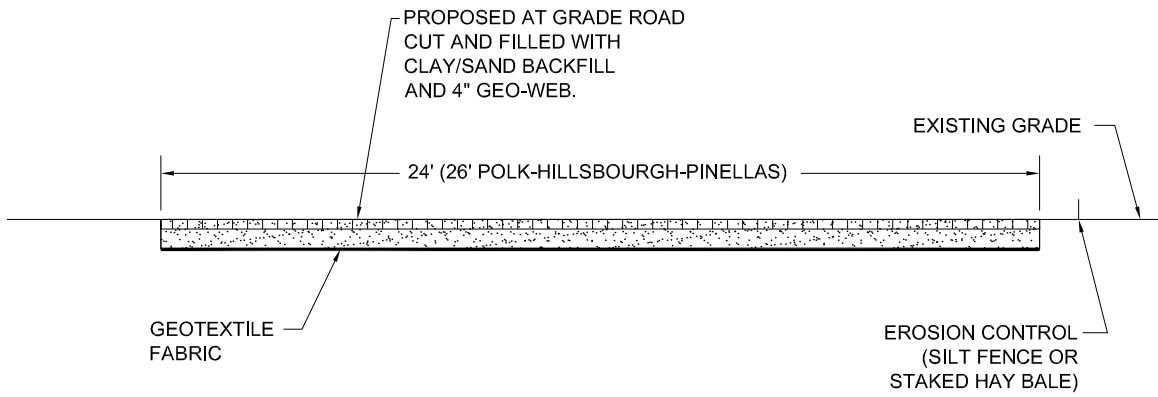
LOOKING TOWARD KATHLEEN SUBSTATION

LEGEND:

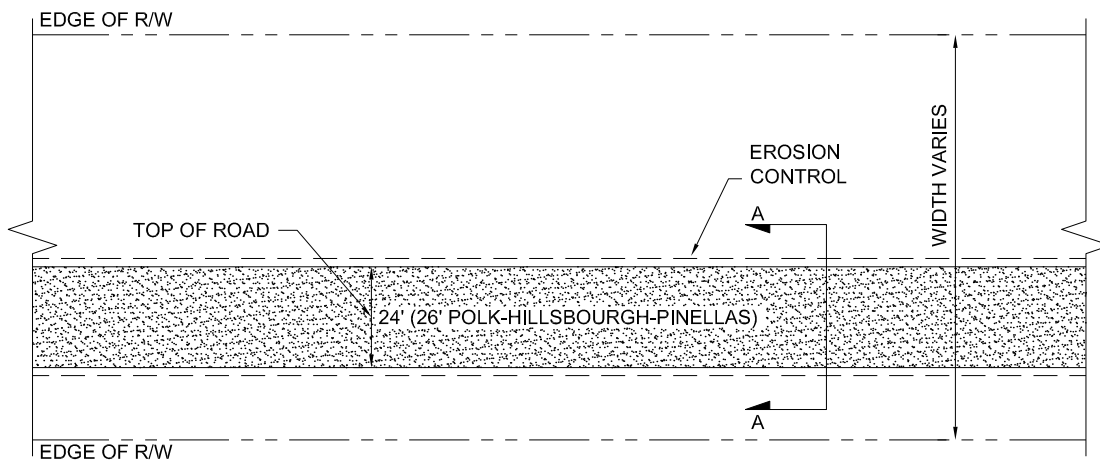
- PROPOSED ELEVATION
- - - EXISTING GRADE
- - - EROSION CONTROL
- PROPOSED STRUCTURE
- EXISTING STRUCTURE



10/07/11 DATE		1" = 80' SCALE	TRANSMISSION DESIGN
PEI DRAWN	PEI TECH	TYPICAL PAD DRAWING FOR WETLANDS POLK - HILLSBOURGH - PINELLAS 230kV LINE BASE LOAD STUDY	
PEI CHECK	PEI ENGR		
1 OF 1 SHEET		DWG. L1-26	



SECTION A-A
SCALE: 1" = 4'



PLAN VIEW
SCALE: 1" = 40'

LEGEND:

- GEO-WEB
- FILL
- EXISTING GRADE
- EROSION CONTROL



10/12/11 DATE	AS SHOWN SCALE
PEI DRAWN	PEI TECH
PEI CHECK	PEI ENGR

TRANSMISSION DESIGN
TYPICAL ACCESS ROAD
DRAWING FOR WETLANDS

BASE LOAD STUDY

1 OF 1
SHEET

DWG. L3-1