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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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 88 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

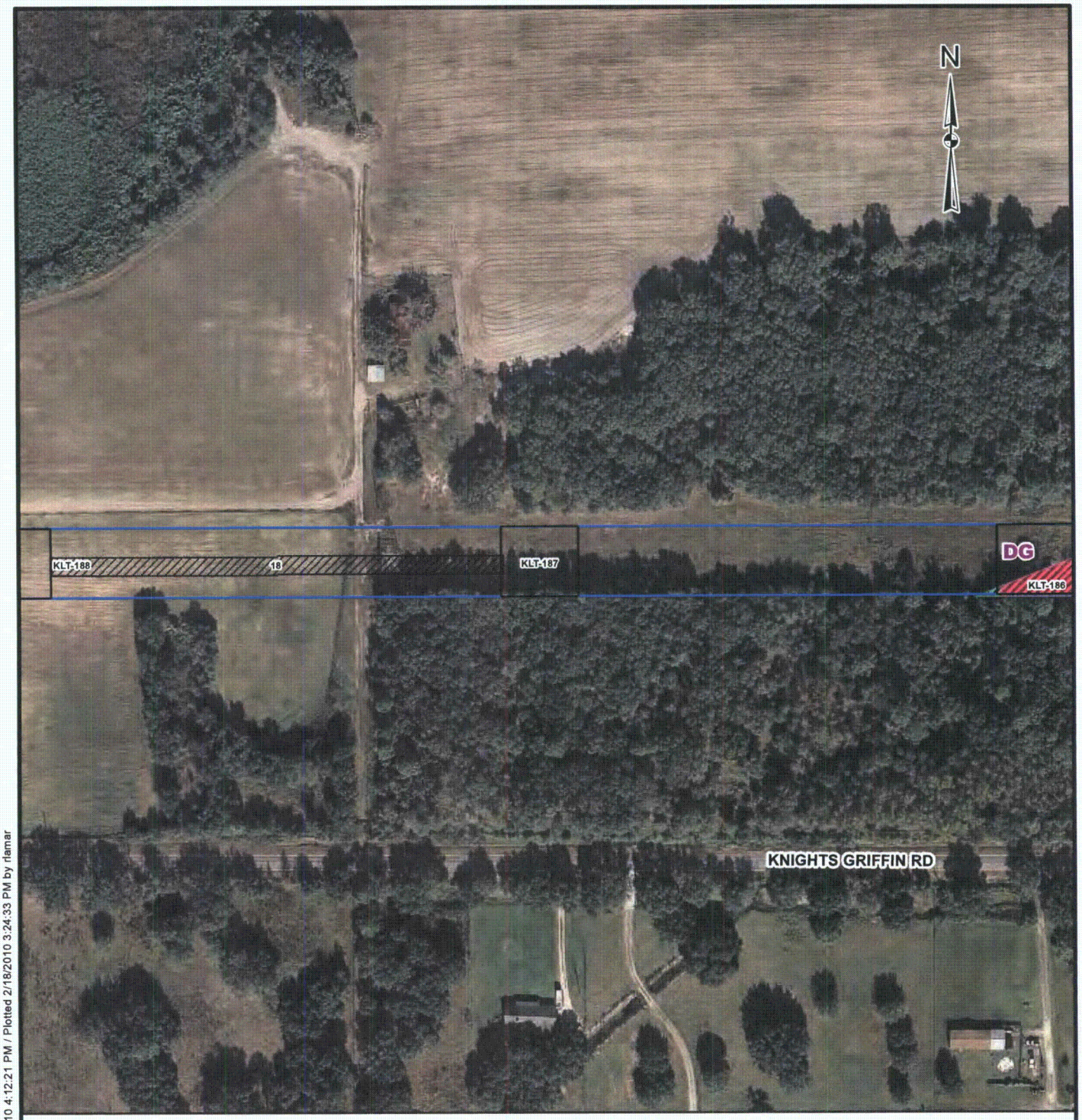
SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB
FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 89 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

- 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.

0 100 200 400 Feet

NOTES

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

Golder Associates
Gainesville, Florida

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 90 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

- 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.

0 100 200 400 Feet

NOTES

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

Golder Associates
Gainesville, Florida

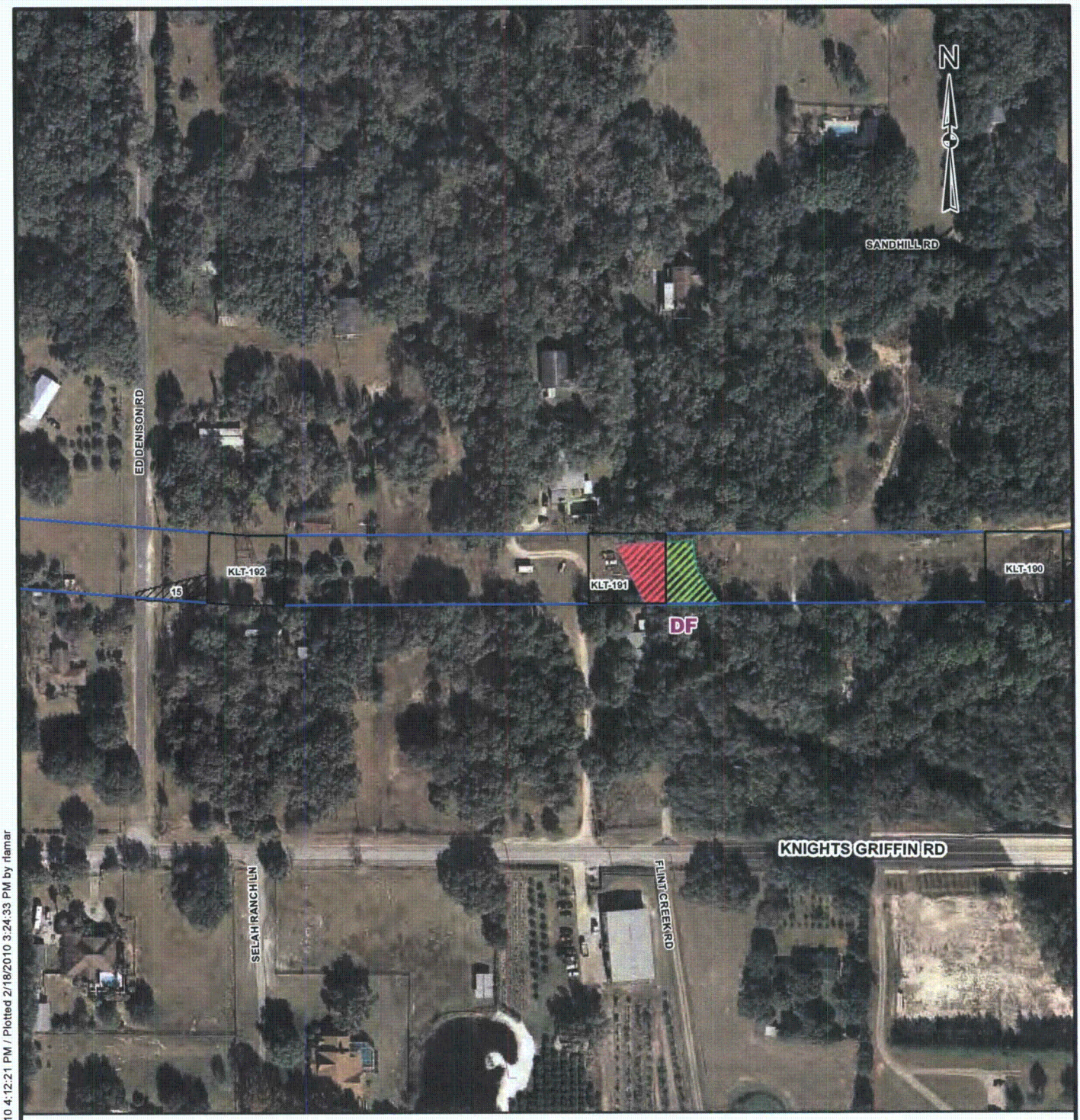
SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB
FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 91 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

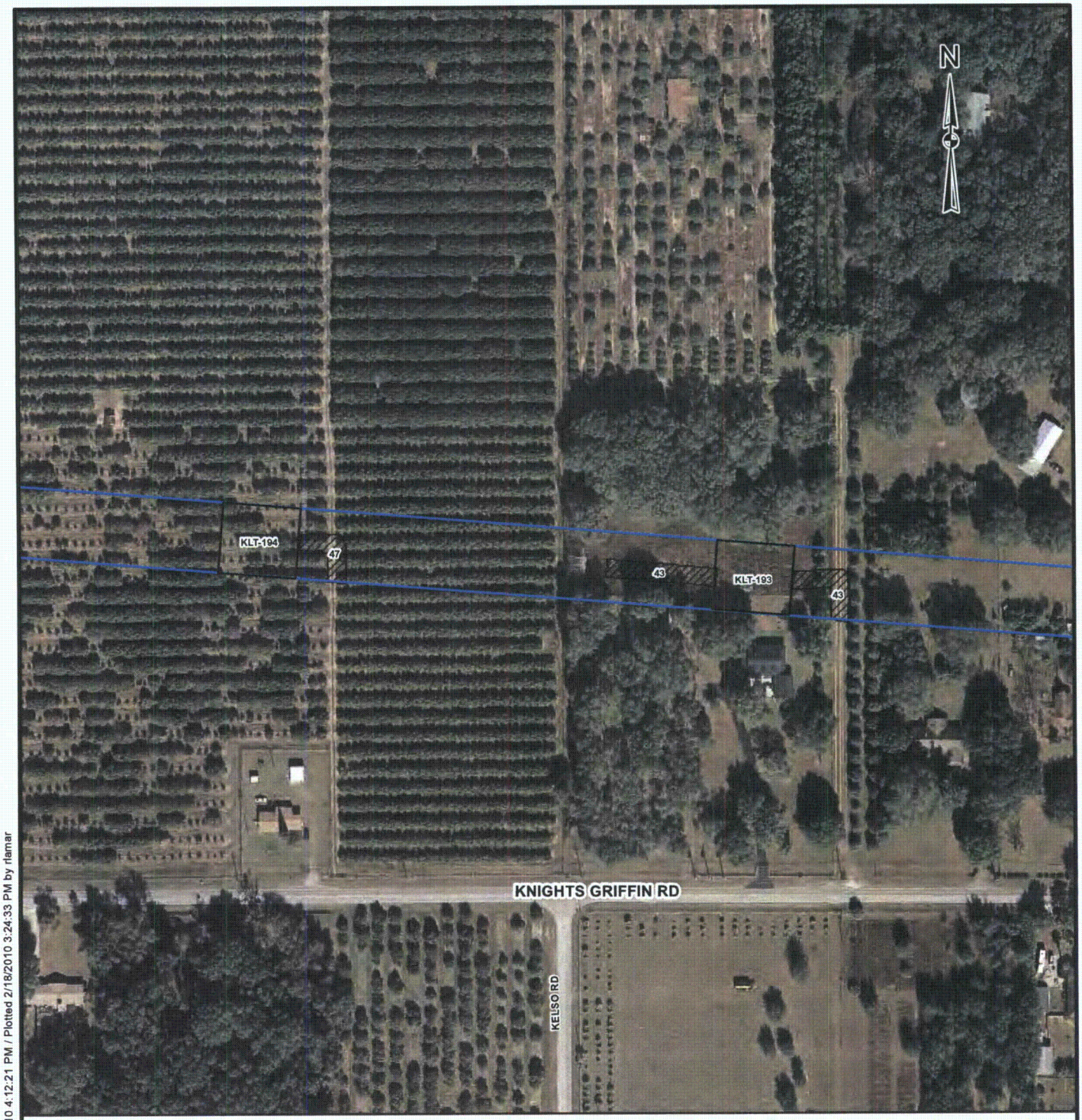
FILE No.	09389547Z001	SCALE	AS SHOWN
PROJECT No.	093-89547	REV. 1	DATE 2/18/2010
			DESIGN KAB
			GIS NRL
			CHECK SR
			REVIEW KAB

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 92 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 ramar



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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

FILE No.	09389547Z001	SCALE	AS SHOWN
PROJECT No.	093-89547	REV. 1	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 93 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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 94 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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 95 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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

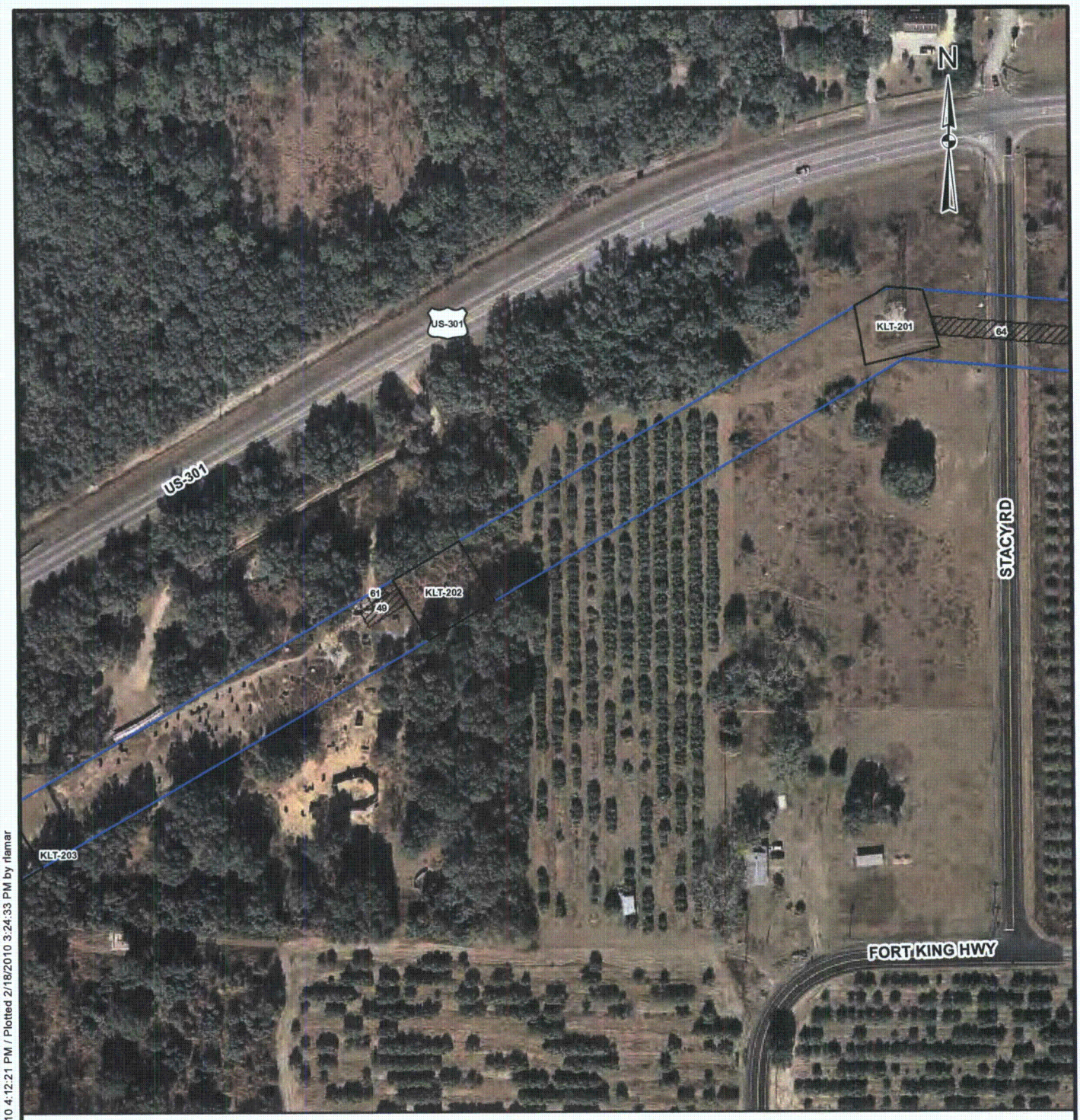
SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 96 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

- 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.

0 100 200 400 Feet

NOTES

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

Golder Associates
Gainesville, Florida

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

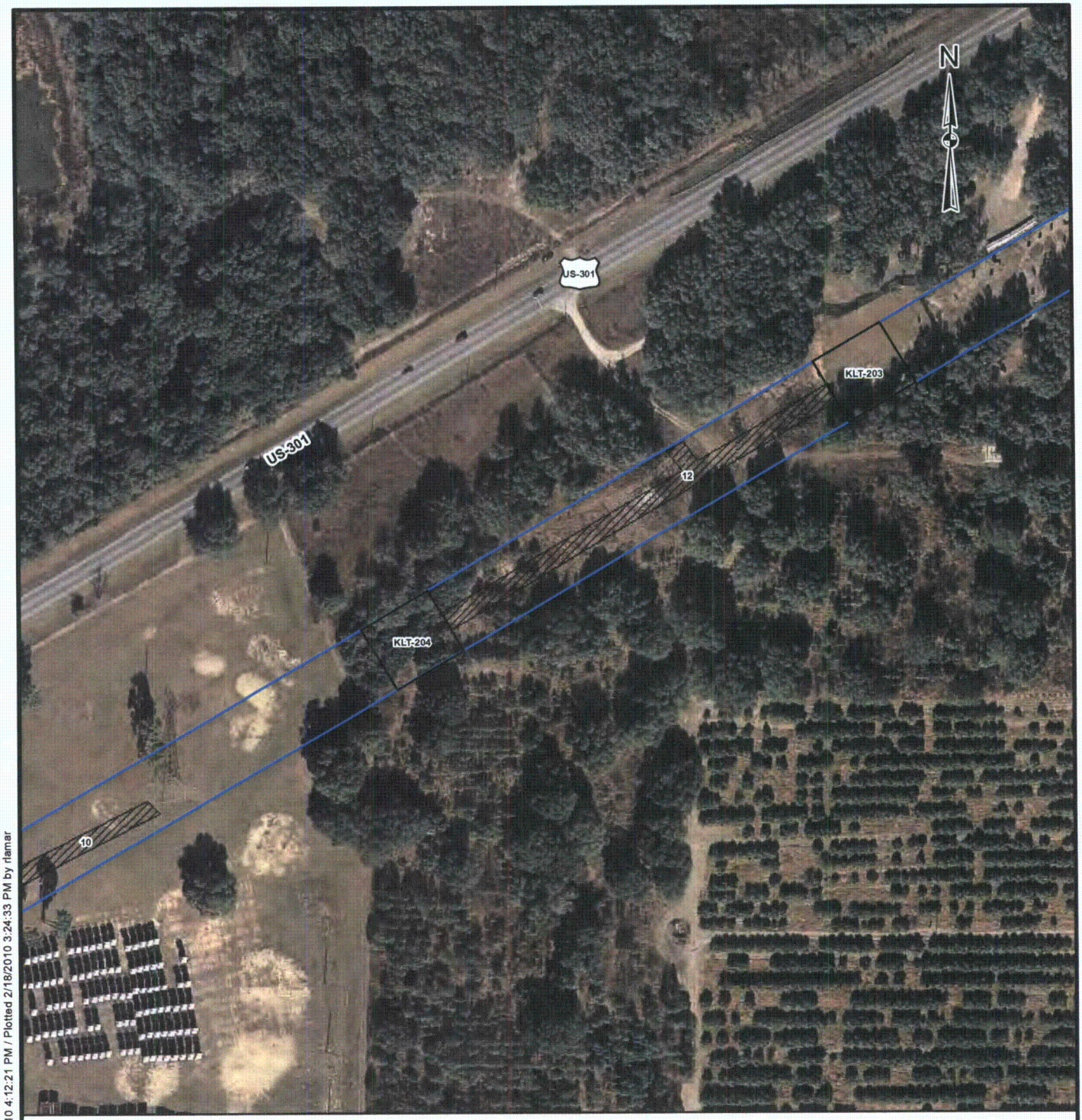
FILE No. 09389547Z001
PROJECT No. 093-89547 REV. 1

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 97 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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 98 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

- 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

0 100 200 400 Feet

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.

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 99 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

FILE No.	09389547Z001	SCALE	AS SHOWN
PROJECT No.	093-89547	REV. 1	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 100 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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 101 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

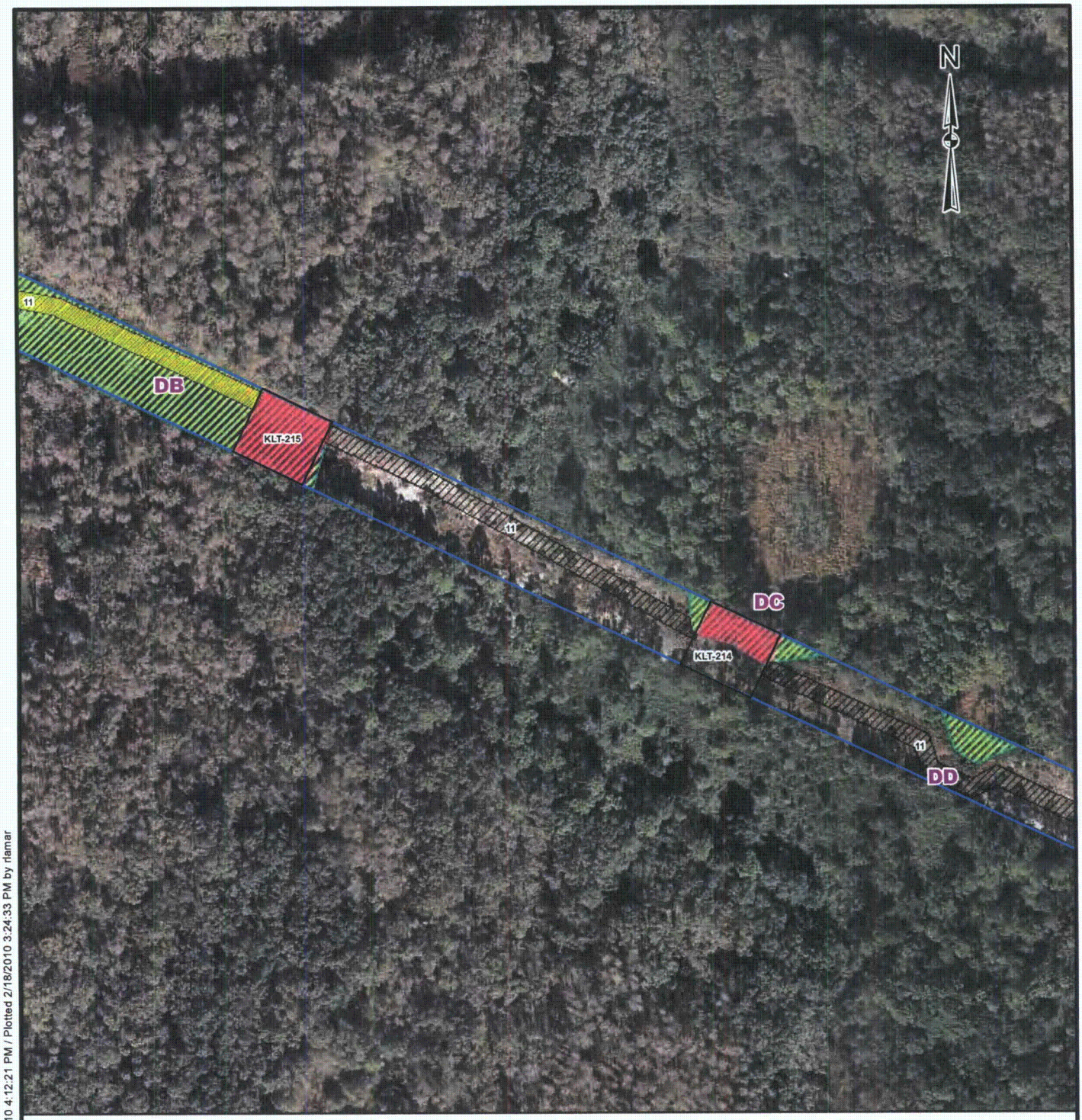
FILE No.	09389547Z001	SCALE	AS SHOWN
PROJECT No.	093-89547	REV. 1	DATE 2/18/2010
			DESIGN KAB
			GIS NRL
			CHECK SR
			REVIEW KAB

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 102 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

- 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.

0 100 200 400 Feet

NOTES

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

Golder Associates
Gainesville, Florida

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 103 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

FILE No.	09389547Z001	SCALE	AS SHOWN
PROJECT No.	093-89547	REV. 1	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 104 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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 105 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

FILE No.	09389547Z001	SCALE	AS SHOWN
PROJECT No.	093-89547	REV. 1	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 106 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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

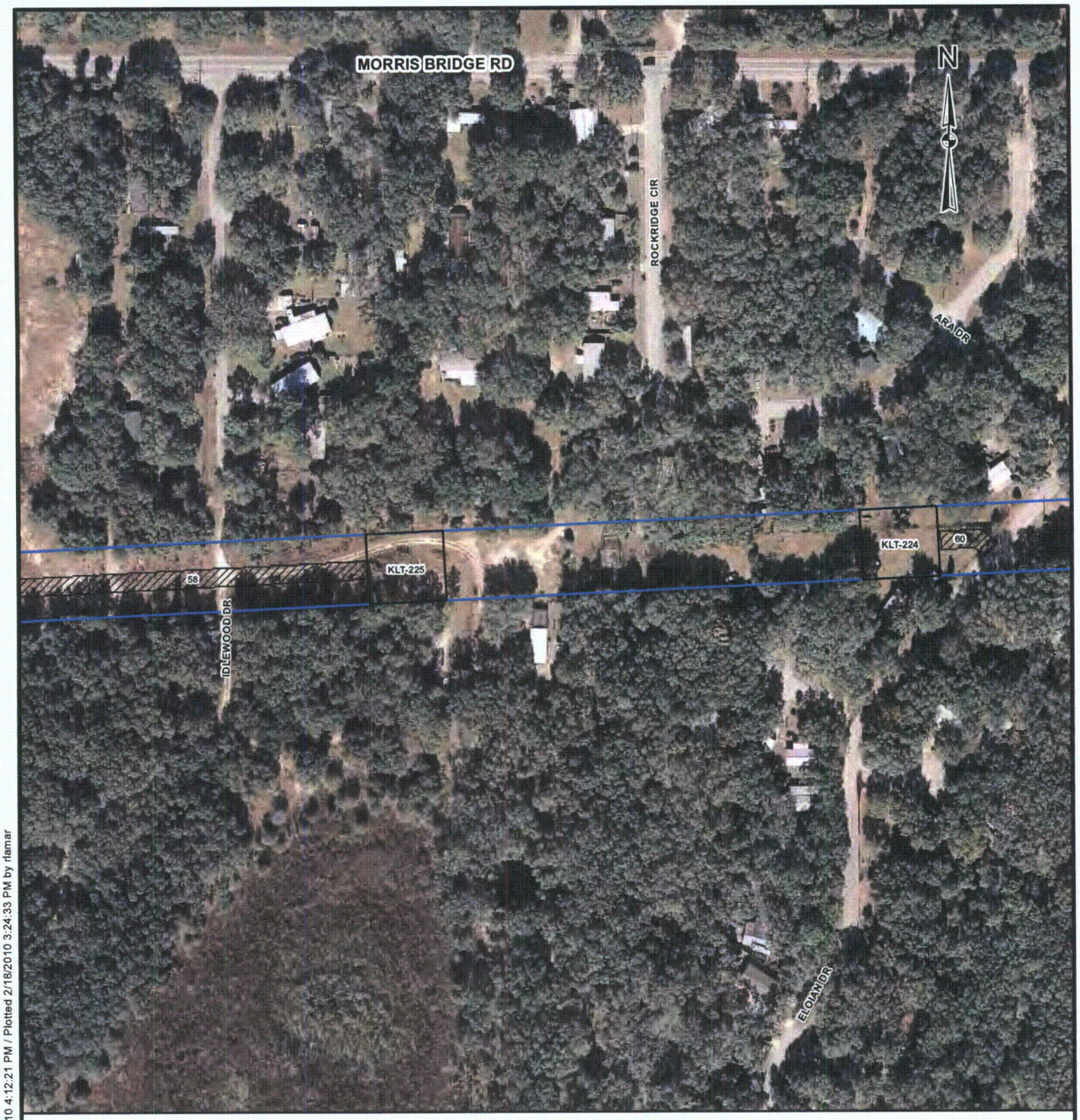
FILE No.	09389547Z001		
PROJECT No.	093-89547	REV.	1

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 107 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

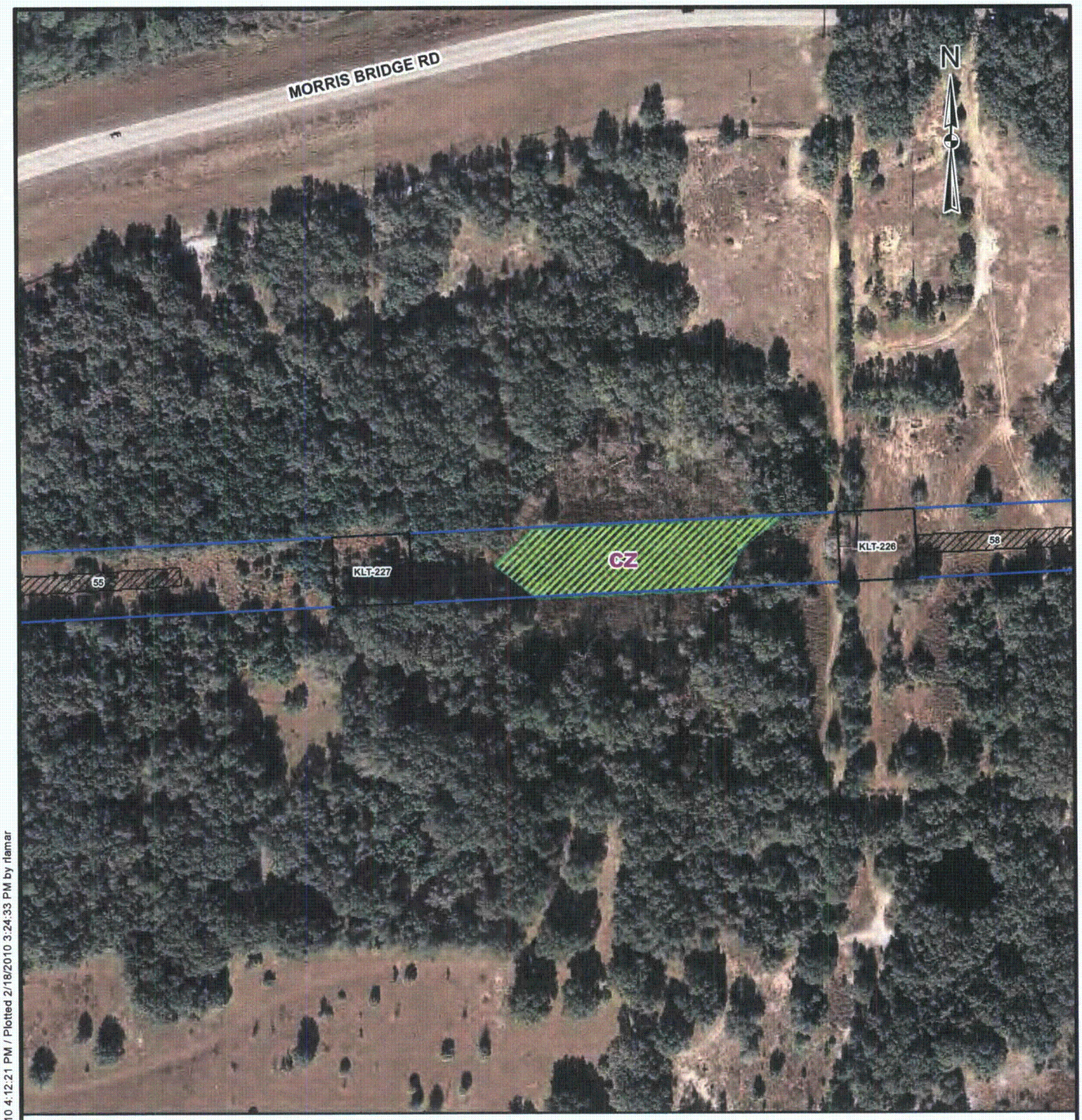
SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB
FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 108 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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 109 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

- 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.

0 100 200 400 Feet

NOTES

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

Golder Associates
Gainesville, Florida

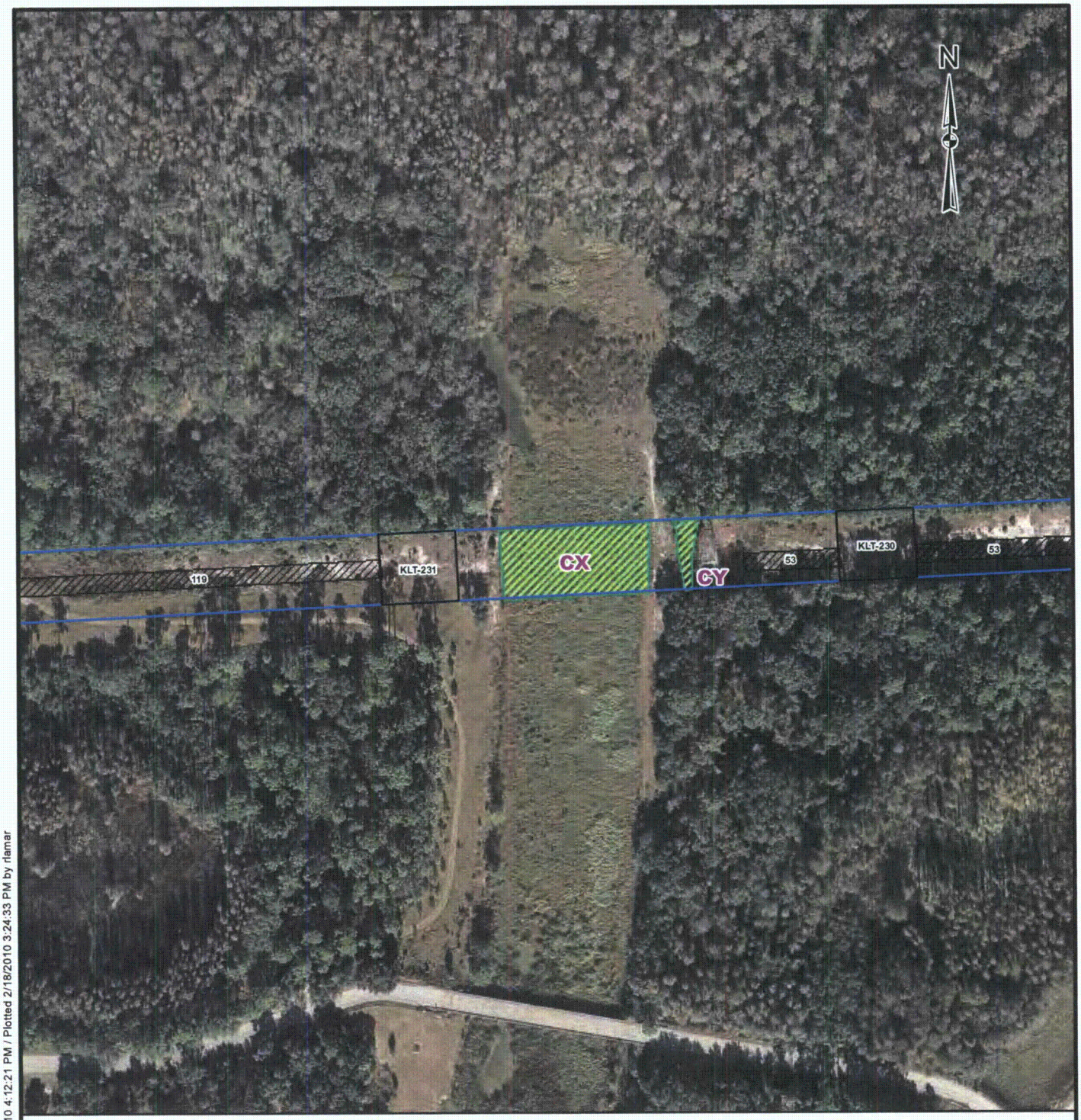
SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB
FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 110 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

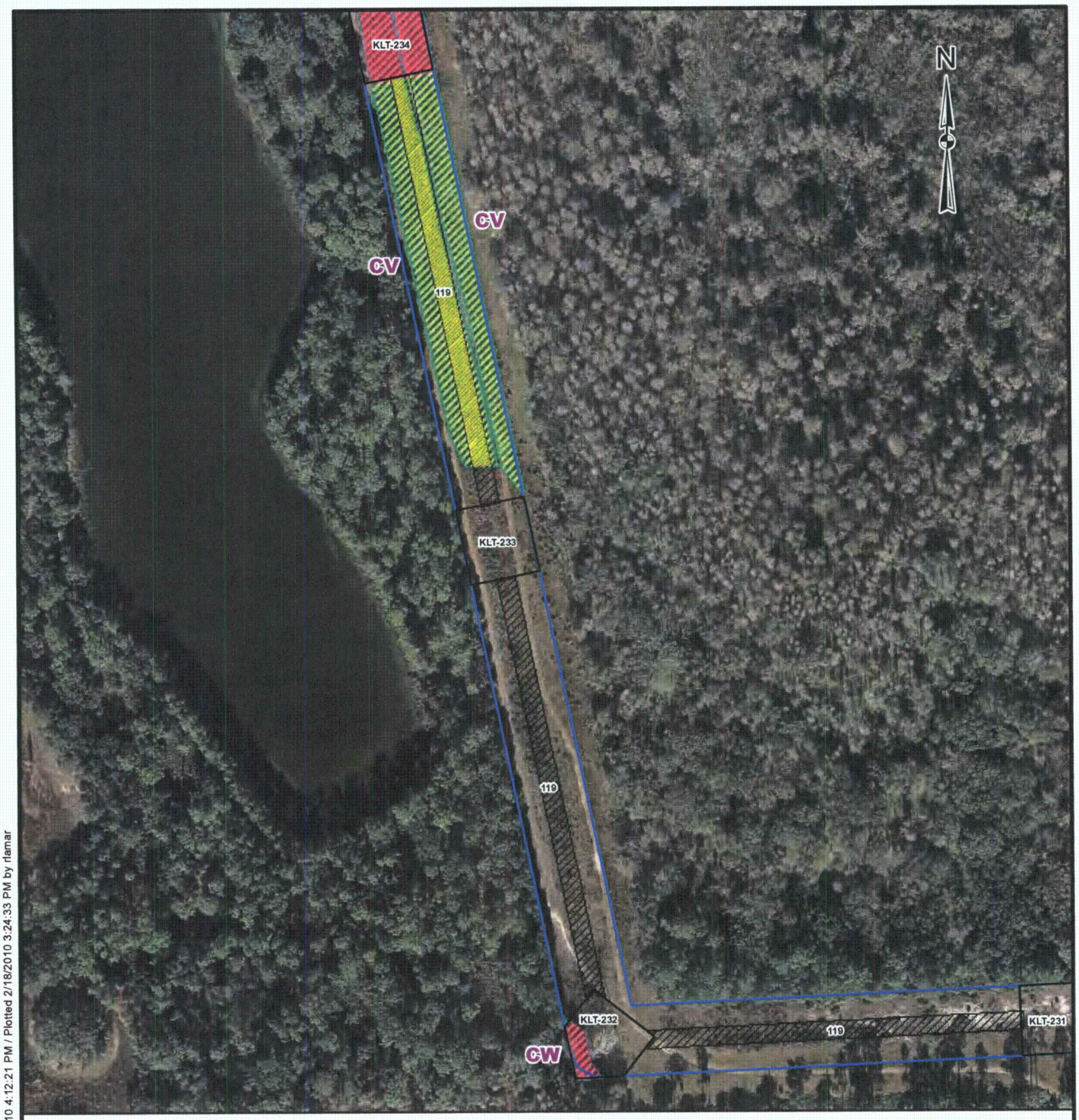
SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB
FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 111 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

FILE No.	09389547Z001	SCALE	AS SHOWN
PROJECT No.	093-89547 REV. 1	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 112 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

- 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.

0 100 200 400 Feet

NOTES

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

Golder Associates
Gainesville, Florida

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 113 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

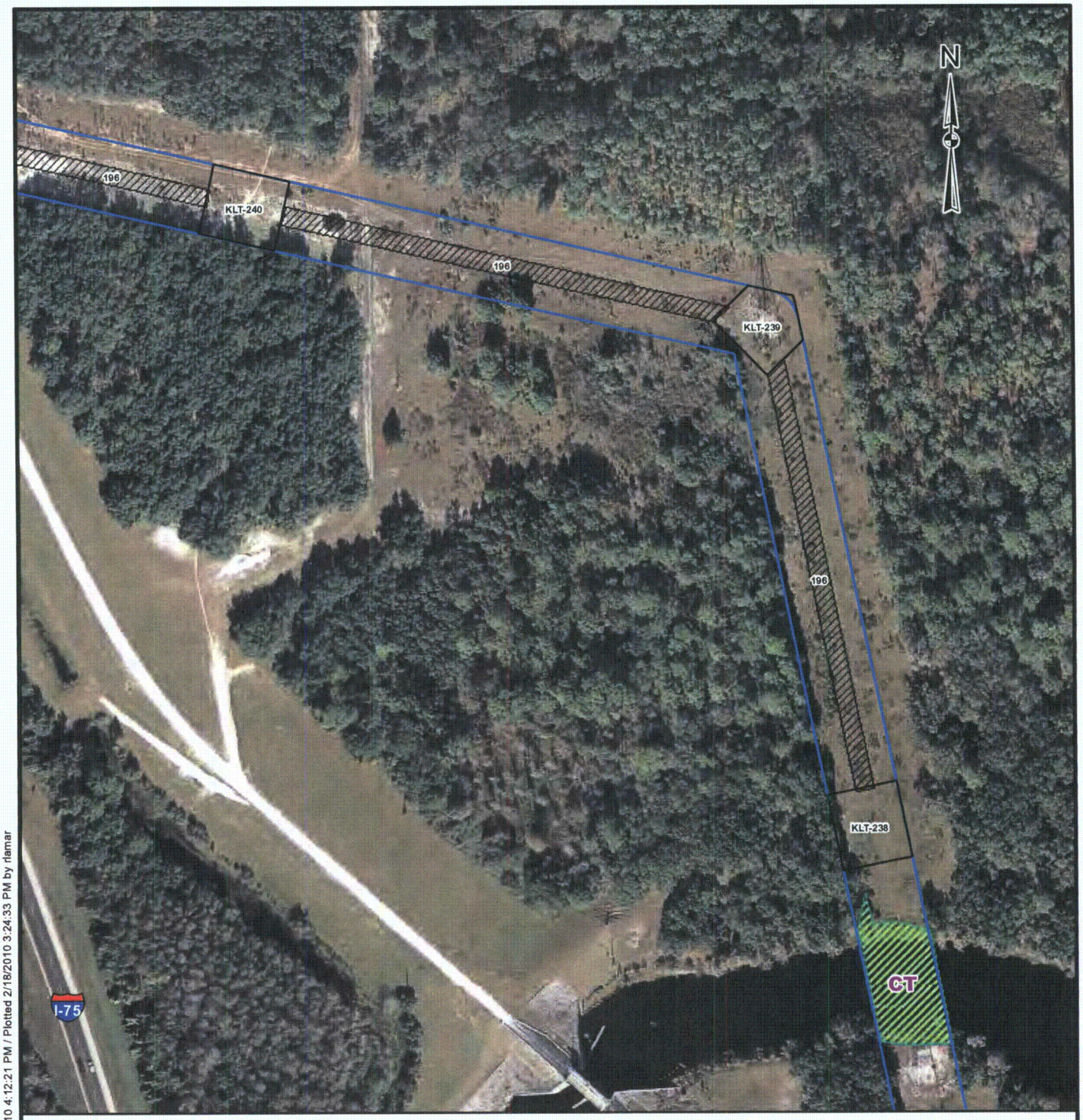
SCALE	AS SHOWN
DATE	2/18/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB
FILE No.	09389547Z001
PROJECT No.	093-89547
REV.	1

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

PROGRESS ENERGY FLORIDA
LEVY BASELOAD PROJECT

FIGURE 114 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

- 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.

0 100 200 400 Feet

NOTES

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

Golder Associates
Gainesville, Florida

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 115 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

- 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

0 100 200 400 Feet

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.

Golder Associates
Gainesville, Florida

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 116 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