

Utility Assessment Package  
For  
Project Development and Environment (PD&E) Study Re-Evaluation  
Osceola Parkway Extension  
Orange and Osceola Counties, Florida  
**CFX Project No. 599-223**

Prepared For:



Central Florida Expressway Authority

4974 ORL Tower Road

Orlando, FL 32807

April 2019



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## Table of Contents

Introduction .....	4
Purpose .....	4
Existing Roadway Facilities .....	5
SR 417 from Boggy Creek Road to Lake Nona Boulevard (Orange County): .....	5
Boggy Creek Road from Simpson Road to SR 417 (Orange County):.....	5
Boggy Creek Road from Tindall Access Road to Narcoossee Road (Osceola County): .....	5
Simpson Road from Osceola Parkway to Boggy Creek Road (Osceola County): .....	5
Lake Nona Boulevard from Boggy Creek Road to Medical City Drive (Orange County):.....	5
Narcoossee Road from Sanctuary Crossing Road to Clapp Simms Duda Road (Orange County):.....	5
Clapp Simms Duda Road from Narcoossee Road to C-29A Canal (Orange County): .....	6
Cyrils Drive from Franklin Road to Absher Road (Osceola County): .....	6
Absher Road from 1/4 mile South of Cyrils Drive to Cyrils Drive (Osceola County): .....	6
Sungrove Lane (Osceola County): .....	6
Other Local Roads (Orange County): .....	6
Proposed Roadway Improvements.....	7
Project Description.....	7
Proposed Typical Sections .....	7
Roadway Alternatives .....	8
Lake Nona Alternative.....	8
Boggy Creek Alternative.....	8
Split Oak Avoidance Minimization Alternative .....	8
Split Oak Avoidance Alternative .....	8
Existing Utility Agency Owner (UAO) Assessment .....	9
Findings and Results.....	11
Utility Mitigation and Cost.....	14

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## List of Figures

Figure 1 - Project Location Map .....	4
Figure 2 - Proposed OPE Typical Section .....	7
Figure 3 - Proposed Alternatives.....	9

## List of Tables

Table 1 - List of Contact Information .....	10
Table 2 – Utility Assessment and Estimated Relocation Cost.....	12,13
Table 3 - Summary of Utility Impacts.....	14

## Appendices

Appendix A	Utility Contact Letters & Responses
Appendix B	Utility Assessment Package, September 2016
Appendix C	PD&E Project Recommended Alternative Plan Sheets (to be provided by RS&H)
Appendix D	Sunshine 811 Design Ticket
Appendix E	Utility Contact Log

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## Introduction

A Utility Assessment Package was developed in September 2016 as part of the Osceola Parkway Extension (OPE) PD&E Study (FDOT FPID 432134-1-22-01 & FPID 432134-2-22-01) for the Osceola County Expressway Authority. The PD&E Study addressed new roadway capacity, east of Osceola Parkway to the proposed Northeast Connector Expressway, a 2-mile extension east of the Northeast Connector Expressway, as well as an expressway connection to SR 417 in the vicinity of the existing Boggy Creek Road interchange with SR 417 in Orange and Osceola Counties, Florida. A re-evaluation of the previous PD&E Study is underway, including the previous Utility Assessment Package. This Utility Assessment Package will look to expand on the previous study's findings, as well as identify additional Utility Agency Owner (UAO) information for revised corridor alternatives not evaluated in the previous study. The Osceola Parkway Extension (OPE) is approximately 12 miles in length. See **Appendix B** for the previous study along with source material. **Figure 1** shows the Osceola Parkway Extension Study Area.



**Figure 1 - Project Location Map**

## Purpose

This Utility Assessment Package has been assembled to provide information on existing and planned utilities within the study limits. This package contains information on the names of utility companies, arials denoting the location of major existing and proposed facilities, descriptions of the identified utilities, project coordination efforts, potential impacts, and information on the cost of relocation. This assessment also re-evaluates the 2016 Utility Assessment Package's findings with those made from this study's coordination effort.

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## Existing Roadway Facilities

There is a mixture of functionally classified roadways within the project study area. Listed below are the roadway sections within the project study area affected by the different corridor alternatives as well as a description of their typical section. Existing and future geometry and other measurements are based on the previous study's (2016) assessment, unless otherwise noted.

### SR 417 from Boggy Creek Road to Lake Nona Boulevard (Orange County):

SR 417 is a four-lane divided, limited access facility consisting of 12-foot-wide travel lanes separated by a 64-foot-wide grassed median. The inside shoulders are eight feet wide with four feet of pavement. The outside shoulders are 12-foot wide with ten feet of pavement. The limited access right-of-way width is 300 feet. Drainage is conveyed by roadside swales to stormwater ponds. The typical section was developed to allow for future inside widening to six lanes with a 40-foot grassed median.

### Boggy Creek Road from Simpson Road to SR 417 (Orange County):

Boggy Creek Road is a two-lane undivided, rural roadway which has been widened to multiple lanes through, or approaching, its intersections with SR 417, Lake Nona Boulevard, and Simpson Road. Orange County has plans to widen Boggy Creek Road to four lanes from Simpson Road to Lake Nona Boulevard.

### Boggy Creek Road from Tindall Access Road to Narcoossee Road (Osceola County):

Boggy Creek Road is a two-lane undivided, rural roadway that has been widened to multiple lanes approaching its intersection with Narcoossee Road. Based on January 2018 Google Earth Imagery, the road consists of 11-foot travel lanes. In addition, there appears to be construction work to widen the road to the North between Tindall Access Road and Rustic Drive.

### Simpson Road from Osceola Parkway to Boggy Creek Road (Osceola County):

Simpson Road is a two-lane undivided rural roadway consisting of 12-foot lanes. The road has been widened to multiple lanes through, or approaching, its intersections with Osceola Parkway and Boggy Creek Road. Osceola County has prepared plans to widen Simpson Road to four 12-foot lanes with a median ranging from 34 to 46 feet.

### Lake Nona Boulevard from Boggy Creek Road to Medical City Drive (Orange County):

Lake Nona Boulevard is currently a four-lane divided, urban roadway in Orange County. Based on January 2018 Google imagery, the road consists of 11-foot travel lanes, 4-foot bike lanes, and a 48-foot median with curb and gutter. Other features include a 5-foot concrete sidewalk on the south side, and an 11-foot asphalt shared-use path on the north side.

### Narcoossee Road from Sanctuary Crossing Road to Clapp Simms Duda Road (Orange County):

Narcoossee Road is a six-lane divided urban roadway from SR 417 to the Osceola County line. The typical section includes six 11-foot lanes, four-foot bike lanes in each direction, and a 17-foot median.

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#### Clapp Simms Duda Road from Narcoossee Road to C-29A Canal (Orange County):

Clapp Simms Duda Road is a two-lane undivided roadway in Orange County. Based on January 2018 Google Earth Imagery, the road consists of 11-foot travel lanes.

#### Cyrils Drive from Franklin Road to Absher Road (Osceola County):

Cyrils Drive is a two-lane undivided roadway in Osceola County. Based on January 2018 Google Earth Imagery, the road consists of 10-foot travel lanes.

#### Absher Road from 1/4 mile South of Cyrils Drive to Cyrils Drive (Osceola County):

Absher Road is a two-lane undivided roadway in Osceola County. Based on January 2018 Google Earth Imagery, the road consists of 10-foot travel lanes.

#### Sungrove Lane (Osceola County):

Based on January 2018 Google Earth Imagery, Sungrove Lane is an unmarked, unpaved roadway in rural Osceola County.

#### Other Local Roads (Orange County):

There are several local roads in Orange County within the project study area that are found within residential areas east of Boggy Creek Road. These roadways are New Hope Road, Beth Road, Whispering Pines Road, Happy Lane, Bicky Road, Hidden Trail Road, and a gated, private road intersecting Boggy Creek Road. The typical section for these roadways are similar in that they are all two-lane undivided, unmarked paved sections varying from 20 to 24 feet widths (based on January 2018 Google Earth Imagery).

## Proposed Roadway Improvements

### Project Description

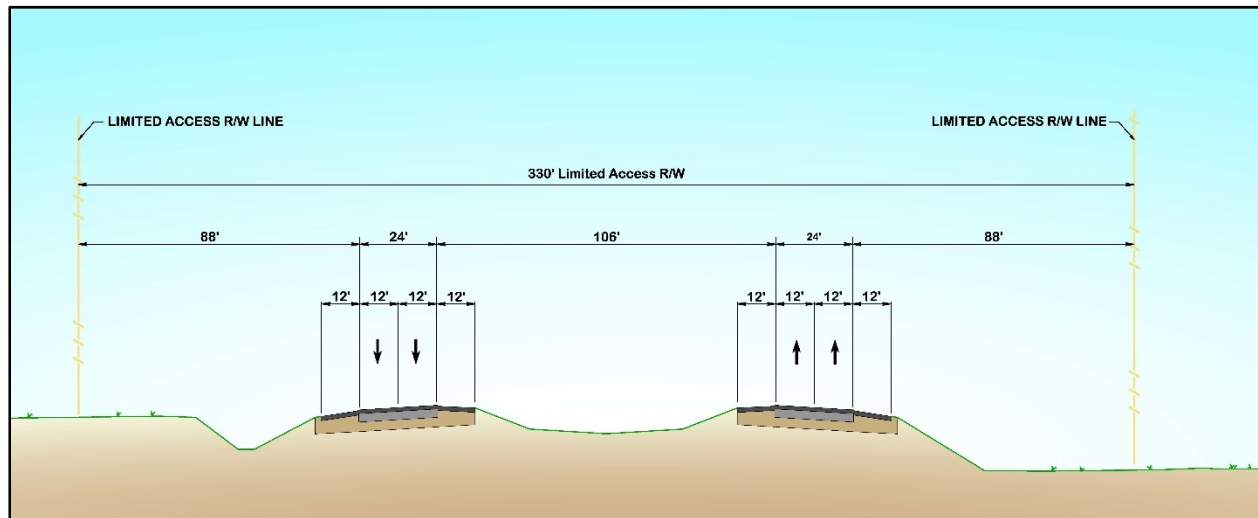
The Central Florida Expressway Authority (CFX) is studying a new expressway connection between State Road 417 near Boggy Creek Road in Orange County and the proposed Sunbridge Parkway in Osceola County. **Figure 1** shows the Osceola Parkway Extension (OPE) Study Area.

The project alternatives for the project area split into two sections:

- SR 417 to Narcoossee Road; and
- Narcoossee Road to Sunbridge Parkway.

### Proposed Typical Sections

Although the project alternatives are split into two segments, only one typical section is considered for the length of the project. The proposed typical section features two 12-foot travel lanes in each direction flanked by 12-foot paved inside and outside shoulders. The proposed median width is 106 feet wide, which can accommodate future widening. The ultimate typical section features an eight-lane section and two potential multi-use lanes with a concrete median barrier wall. The proposed typical section requires 330 feet of limited access right-of-way, which includes a border width of 88 feet on both sides of the roadway. The proposed Typical Section is illustrated in **Figure 2**.



**Figure 2 - Proposed OPE Typical Section**

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## Roadway Alternatives

The SR 417 to Narcoossee Road segment features two roadway alternatives. The two alternatives for the west segment are as follows: (1) Lake Nona Alternative and (2) Boggy Creek Alternative. The eastern segment also features two alternatives: (1) Split Oak Minimization Alternative and (2) Split Oak Avoidance Alternative. These are shown on **Figure 3**.

### Lake Nona Alternative

The Lake Nona Alternative begins with a system interchange with SR 417 that provides access to the Orlando International Airport. The alignment then travels south through the Lake Nona property, where there is a partial interchange with Laureate Boulevard. The alternative continues south to an interchange with Boggy Creek Road / Simpson Road. At this point, the alternative transitions to the east, travels along the Orange/ Osceola County line, and includes an interchange at Narcoossee Road.

### Boggy Creek Alternative

The Boggy Creek Alternative also begins with a system interchange at SR 417, then travels south parallel to Boggy Creek Road for approximately one-mile before an interchange with Boggy Creek Road / Simpson Road. Similar to the Lake Nona Alternative, after the interchange, the alternative turns eastward and parallels the Orange/ Osceola County line approaching a proposed interchange at Narcoossee Road.

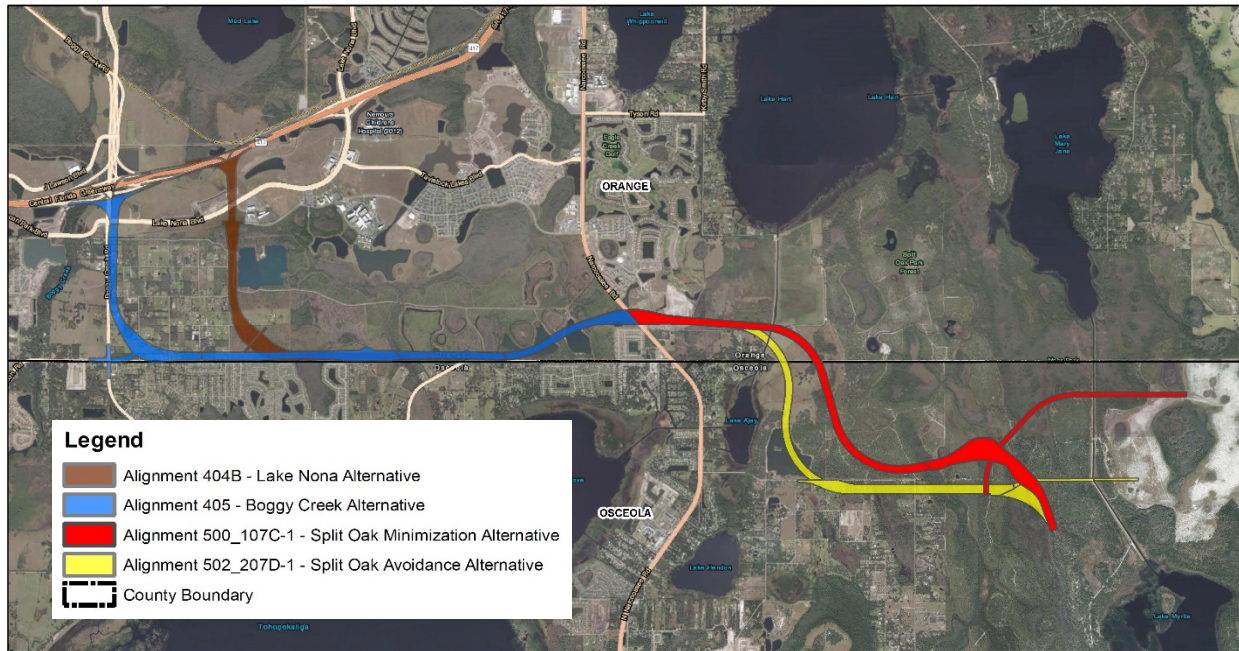
### Split Oak Minimization Alternative

The Split Oak Minimization Alternative travels north of and parallel to Clapp Simms Duda Road before turning southeast near Canal C-29A. The alternative crosses through Split Oak and includes a local access interchange with Cyrils Drive just east of Split Oak. An arterial roadway then travels northeast from the interchange and connects to the proposed Sunbridge Parkway.

### Split Oak Avoidance Alternative

The Split Oak Avoidance Alternative also travels north of and parallel to Clapp Simms Duda Road before turning south just before Canal C-29A. This alternative is positioned west of Split Oak and overpasses Cyrils Drive before being positioned parallel to the existing Cyrils Drive. This alternative then re-configures Cyrils Drive into a pair of one-way frontage roads on either side of OPE. An interchange with Cyrils Drive is provided near Absher Road. Near the proposed Del Webb development, an arterial roadway then travels northeast from the interchange and connects to the proposed Sunbridge Parkway. **Figure 3** shows the proposed roadway alternatives.





**Figure 3 - Proposed Alternatives**

## Existing Utility Agency Owner (UAO) Assessment

The UAOs in the study area were determined using a variety of sources. First, a Sunshine 811 Design Ticket was made to identify the utility providers and operators registered with the service. Next, the utility providers and operators were contacted to establish the proper personnel to assist with locating and identifying existing facilities. Lastly, conceptual plans and alternatives were sent for review to the previously mentioned personnel. Based on these conceptual plans, they were asked to provide mark-ups, descriptions, and/or maps depicting the locations and types of utilities within their facilities. In addition, each UAO was requested to provide rough cost estimates for relocating existing facilities, as well as notification of future planned facilities or upgrades to existing facilities within the project study area. The UAOs identified on the project are summarized in **Table 1**. The responses from the UAOs are provided in **Appendix A**. A contact log was developed to record and keep track of coordination efforts with the UAOs; see **Appendix E**.

Twenty-four UAOs were identified within the study limits based on the Sunshine 811 Design Ticket (provided in **Appendix D**). In addition, there were two UAOs listed in the previous study (2016) that were not identified in the Sunshine 811 Design Ticket developed for this current assessment. This resulted in a total of twenty-six UAOs evaluated for this study. Of the twenty-six UAOs identified, contacts for six could not be established based on the preliminary contact information. Further coordination efforts will continue in order to confirm if the providers have facilities within the project study area.



**Table 1** List of Utility Contact Information

Utility Owner	Contact	Email/ Phone	FACILITIES
AT&T Distribution	Alan Reynolds	ar2916@ATT.com 407-351-8180	Aerial & buried cables Telephone
Charter Communications	Ronald Tynes	Ronald.tynes@charter.com 407-532-8509	Aerial & buried cables Fiber, Telephone, CATV
CFX	Jonathan Williamson	jwilliamson@Dewberry.com 321-354-9614	Fiber
Century Link	Marlon Brown	marlon.n.brown@Centurylink.com 407-814-5293	Fiber, Telephone
City of St. Cloud	Rick Mauro	rmauro@stcloud.org 407-957-7341	Reclaimed Water, Water, Sewer
City of Orlando Water Reclamation	David Breitrack	david.breitrack@cityoforlando.net 407-246-3525	Reclaimed Water, Wastewater
City of Orlando Traffic Eng Signal Fiber Electric	Benton Bonney	--- 407-246-2636	Fiber, Traffic signals, electric
Comcast	Cesar Rivera	cesar_rivera@comcast.net ---	CATV
Duke Energy Distribution	Stephanie Olmo	defdistributiongov@duke-energy.com 407-905-3376	Distributed Electric
Duke Energy Transmission	Jennifer Williams	peftransmissiongov@duke-energy.com 813-909-1210	Transmission
Embarq Communications Inc.	Robert Godek	rob.m.godek@centurylink.com 407-830-3421	Fiber
Hotwire Communications	Walter Davila	walter.sancho-davila@hotmail.com 954-699-0900	Fiber, Telephone, CATV
MCI	Dean Boyers	--- 469-886-4238	Fiber, Communication Lines
Orlando Telephone Company	Corey Lassonde	corey.lassonde@summit-broadband.com 407-996-6297	Fiber, Telephone
Orlando Utilities Commission - Electric	---	developmentservices@ouc.com 407-434-2563	Distributed Electric
Orlando Utilities Commission - Transmission	---	developmentservices@ouc.com 407-434-2563	Transmission
Orlando Utilities Commission -Water	---	developmentservices@ouc.com 407-434-2563	Water
Orange County Utilities Wastewater	David Shorette	david.shorette@ocfl.net 407-254-9764	Wastewater
Orange County Public Works	Roger Smith	roger.smith@ocfl.net 407-836-7804	Fiber, Traffic Signals
Orange County Utilities Water	Guy Jackson	--- 305-988-7646	Water
Osceola County	Jack Lott	Jack.lott@osceola.org 407-742-7534	Fiber, Traffic Signals
Sprint	Jon Baker	jon.baker@sprint.com 352-409-5095	Buried Fiber
Summit Broadband	Michelle Daniel	mdaniel@summit-broadband.com 407-996-1183	Buried Fiber
Teco Peoples Gas - Orlando	Joan Domning	jdomning@tecoenergy.com 813-275-3783	Gas
Toho Water Authority	Mike Pampouk	mpampouk@tohowater.com 407-944-5000	Water, Sewer
UNITI Fiber LLC	D J McAuley	--- 251-259-0807	Fiber

**Notes:**

1. "---" Contact information could not be established or confirmed based on preliminary coordination efforts

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## Findings and Results

**Table 2**, on pages 12 and 13, presents a comparison of utility information collected as part of this assessment, as well as utility information presented in the previous study (2016). As previously mentioned, twenty-six UAOs were identified within the project study area as part of this assessment. Of the twenty-six UAOs identified, thirteen UAOs have confirmed contact persons and provided information regarding their facilities. Seven UAOs confirmed contact persons, however no utility information has been received from these contacts. The remaining six UAOs have not confirmed contact persons and no information has been received.

Coordination results for the twenty-six UAOs were compared to the findings obtained from the previous study (2016). Thirteen UAOs were common to both assessments. Of these thirteen UAOs, six have common findings in both studies, one (Sprint) had different findings based on the correspondence, and six could not be corroborated due to lack of response from the UAO in one or both of the studies. See **Table 2** for a more detailed assessment of the UAOs.

Sprint was the UAO with different findings based on the correspondence from each assessment. It was determined in the previous study (2016) that Sprint had buried fiber along the east side of Boggy Creek Road (Orange County). However, this current study received a letter of no conflict from Sprint. Further evaluation will need to be done in the subsequent phase of the project to determine if Sprint's facilities are still present.

Eleven additional UAOs were identified in the current study that were not listed in the previous study (2016). Of these eleven, four have confirmed facilities within the project study area, and the other seven have either not responded or preliminary contact could not be established.

Two UAOs were identified in the previous study (2016), but not in the current study. Per the previous study (2016), one UAO (Duke Energy Transmission) responded with no facilities within the project study area, and the other UAO (Summit Broadband) identified buried facilities along Boggy Creek Road. Information has yet to be received from these two UAOs for this current assessment. Further evaluation will need to be done in the subsequent phase of the project to determine if the previous study facilities are still present.

Future development sites were identified in Orange County. A future development within the Lake Nona Alternative, between SR 417 and Lake Nona Boulevard, was identified. Another future development known as Poitras Property from south of Laureate Park to the Orange/ Osceola County line are within the Lake Nona Alternative. The City of Orlando has expressed future planned utilities (water/ sanitary) in these areas, and has provided service maps identifying their service area boundaries within this future development.

**Table 2** Utility Assessment and Estimated Relocation Cost

UAO	Assessment/ Evaluation (Current)	Relocation Cost (Current)	Assessment/ Evaluation (Utility Assessment Package, Sept. 2016)	Relocation Cost (2016)
AT&T Distribution	Buried and aerial facilities are present along Boggy Creek Road from north of SR 417 to Simpson Road, New Hope Road from Boggy Creek Road to cul-de-sac, Simpson Road, and Narcoossee Road. Aerial facilities are present along several local roads; Happy Lane, Bicky Road, Hidden Trail Road, Beth Road, Whispering Pines Road, and Beacon Park Boulevard. Buried facilities are present along Lake Nona Boulevard from north of SR 417 to just south of the SR 417 interchange, Boggy Creek Road (Osceola County), and Clapp Simms Duda Road.	TBD	FOC along the west side of Boggy Creek Rd. and copper BT along the east side of Boggy Creek Rd. Aerial FOC on the west side of Narcoossee Rd. and aerial copper along the east side of Narcoossee Rd. Buried copper along the south side of Clapp Simms Duda Rd.	\$220,000
Charter Communications	Buried and aerial facilities are present along Boggy Creek Road from north of SR 417 to Simpson Road, as well as along the local roads adjacent to Boggy Creek (Orange County) in both the east and west directions. These utilities span the entirety of the residential communities east of Boggy Creek Road. Buried and aerial facilities were also identified along Lake Nona Boulevard and Narcoossee Road.	TBD	(f.k.a Bright House Networks) Aerial and buried facilities along the west side of Boggy Creek Road. Aerial facilities along the east side of Narcoossee Rd and buried facilities along the west side of Narcoossee Rd.	\$60,000
CFX	Buried facilities are present along the roadside slope on both sides of SR 417 including along the ramps at both the Boggy Creek Road and Lake Nona Boulevard Interchanges.	TBD	Not identified/ evaluated.	N/A
Century Link	Buried facilities are present along Boggy Creek Road from Lake Nona Boulevard to Simpson Road, Lake Nona Boulevard, Boggy Creek Road (Osceola County), Narcoossee Road (Osceola County), Cyrils Drive, and Absher Road.	TBD	No Response	TBD
City of St. Cloud	No facilities within Project Limits.	\$0	No Facilities	\$0
City of Orlando Water Reclamation	Reclaimed and sanitary service areas are located in Orange County and border east of Hidden Trail Road and west of Narcoossee Road. Reclaimed and sanitary service lines are present along all sides of Lake Nona Boulevard, and on the N/W side of SR 417 from Boggy Creek Road to Lake Nona Boulevard.  Future planned utilities and development between SR 417 and Lake Nona Boulevard.  Future planned utilities and development through a collection of properties known as the Poitras Property (county line to south of Laureate Park)	TBD	Not identified/ evaluated.	N/A
City of Orlando Traffic Eng Signal Fiber Electric	Could not establish contact based on Sunshine 811 Design Ticket information.	TBD	Not identified/ evaluated.	N/A
Comcast	Buried and aerial facilities are present along the east and west side of Boggy Creek Road from north of SR 417 to south of Simpson Road, south side of Simpson Road from Boggy Creek Road to Osceola Parkway, and south side of Boggy Creek Road (Osceola County).	\$754,240.56	Buried fiber optic lines located along the west side of Boggy Creek Rd. starting from SR 417 to just south of New Hope Rd. where transitions to the east side of the road and continues to Simpson Rd.	\$20,000
Duke Energy Distribution	No Response	TBD	Overhead and underground distribution electric along the west side of Boggy Creek Rd.	\$30,000
Duke Energy Transmission	Not identified in Sunshine 811 Design Ticket.	N/A	No Facilities	\$0

**Table 2** Utility Assessment and Estimated Relocation Cost

UAO	Assessment/ Evaluation (Current)	Relocation Cost (Current)	Assessment/ Evaluation (Utility Assessment Package, Sept. 2016)	Relocation Cost (2016)
Embarq Communications Inc.	Buried facilities were present along the south side of Boggy Creek Road (Osceola County). Embarq Communications Inc. (ECI) are under the umbrella of Century Link. Utility locates from Century Link identify ECI locates (same utility locate contractor used in Terra Tech).	TBD	Not identified/ evaluated.	N/A
Hotwire Communications	No facilities within Project Limits.	\$0	No Response	TBD
MCI	Could not establish contact based on Sunshine 811 Design Ticket information.	TBD	Not identified/ evaluated.	N/A
Orlando Telephone Company	No Response	TBD	No Response	TBD
Orlando Utilities Commision - Electric	No Response	TBD	Transmission and distribution electric along the east side of Narcoossee Rd. and distribution electric along the south side of Clapp Simms Duda Rd.	\$220,000
Orlando Utilities Commision - Transmission	No Response	TBD		
Orlando Utilities Commision - Water	No Response	TBD	Not identified/ evaluated.	N/A
Orange County Utilities Wastewater	No Response	TBD	Not identified/ evaluated.	N/A
Orange County Public Works	No Response	TBD	Not identified/ evaluated.	N/A
Orange County Utilities Water	Could not establish contact based on Sunshine 811 Design Ticket information.	TBD	Not identified/ evaluated.	N/A
Osceola County	Buried and aerial facilities (signalization) present at intersection of Boggy Creek Road and Simpson Road.	TBD	Signal equipment located at the intersection of Simpson Rd. and Boggy Creek Rd.	\$400,000
Sprint	No facilities within Project Limits.	\$0	FOC along the north side of Boggy Creek Rd. FOC along the west side of Narcoossee Rd.	\$20,000
Summit Broadband	Not identified in Sunshine 811 Design Ticket.	N/A	Buried FOC along the east side of Boggy Creek Rd.	\$20,000
Teco Peoples Gas - Orlando	Gasline present on S/E side of SR 417 between Boggy Creek Road and Lake Nona Boulevard Interchange, and on Lake Nona Boulevard at and east of Medical City Drive intersection.	\$247 per Linear Foot	Not identified/ evaluated.	N/A
Toho Water Authority	Water main present along north side of Simpson Road, and south of intersection at Boggy Creek Road (Osceola County) on the east side. Force main present along south side of Simpson Road, and south of intersection at Boggy Creek Road (Osceola County) on the west side. Water main present along Boggy Creek Road (Osceola County) on north side, and force main present along Boggy Creek Road (Osceola County) on the south side. Water main present along the south side of Cyrils Drive.	TBD	16" water main (dry line) and 16" force main at the intersection of Simpson Road and Boggy Creek Rd.	\$75,000
UNITI Fiber LLC	Could not establish contact based on Sunshine 811 Design Ticket information.	TBD	Not identified/ evaluated.	N/A

## Utility Mitigation and Cost

Due to the nature of the existing conditions throughout the project corridor, it is anticipated that the Osceola Parkway Extension will impact a number of the existing utility facilities on the project. Table 3 provides a summary of the UAOs impacted per corridor alternative. The project's extents, anticipated right-of-way acquisition, and related improvements are shown on the recommended alternative conceptual plans included in **Appendix C**. Since survey was not performed as a part of this evaluation study, UAOs could not provide an estimated schedule for performing their relocations without knowing the extent of the actual impacts. Mitigation measures should be taken during the design phase of the project to minimize impacts to the existing utilities to the fullest extent possible. If impacts are unavoidable, design alternatives should be reviewed to allow for relocation of impacted facilities in a manner that minimizes cost to the UAO and disruption to their customers.

**Table 2 - Summary of Utility Impacts**

Utility Agency Owner (UAO)	Corridor Alternatives			
	West Segment		East Segment	
	Lake Nona	Boggy Creek	Split Oak Minimization	Split Oak Avoidance
AT&T Distribution	X	X	X	X
Charter Communications	X	X	X	X
CFX	X	---	---	---
Century Link	X	X	---	X
City of Orlando Water Reclamation	X	X	---	---
Comcast	X	X	---	---
Duke Energy Distribution	---	X	---	---
Embarq Communications Inc.	---	---	---	---
Orlando Utilities Commission - Electric	---	---	X	X
Orlando Utilities Commission - Transmission	---	---	X	X
Osceola County	X	X	---	---
Sprint	---	---	X	X
Summit Broadband	---	X	---	---
Teco Peoples Gas - Orlando	X	---	---	---
Toho Water Authority	X	X	---	X

**Legend:**

"X" Depicts one or more impacted UAO facilities

"---" Depicts no utility facilities impacted

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## **APPENDIX A**

### **Utility Contact Letters & Responses**

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## Armando Perez

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**From:** REYNOLDS, ALAN <ar2916@att.com>  
**Sent:** Monday, October 22, 2018 9:13 AM  
**To:** Armando Perez  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate  
**Attachments:** Osceola Parkway Ext ATT Florida Fac.pdf

Armando,  
See attached for approximate locations for ATT Florida facilities for this project. Once we receive scaled plans, we can provide accurate markups.  
Thanks,

*Alan Reynolds*

Manager OSP Plng & Eng Design  
Southeast Construction & Engineering, Florida Engineering

### AT&T

5100 Steyr St Orlando, FL 32819  
407-351-8180 / ar2916@att.com

MOBILIZING YOUR WORLD

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**From:** Armando Perez <ATPerez@balmoralgroup.us>  
**Sent:** Friday, October 12, 2018 12:55 PM  
**To:** REYNOLDS, ALAN <ar2916@att.com>  
**Subject:** Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Hello Alan,

Per our discussion, the Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study Re-evaluation of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.

In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

Given the scope of the study, we identified a baseline of utility information (See Below). Please provide the information per corridor alternative. I also provided a pdf of adjacent and intersecting roadways per corridor alternative for your aid.

1. Type of utility
2. Facilities (Aerial and/or underground)
3. Number & Size of utility
4. Location with respect to Roadway (DOT, County, or private)
  - a. Road Name & Roadside (N,S,E,W)
    - i. Also provide begin & end within a reasonable range of the project area.
5. Location with respect to developments or undeveloped areas

- a. Geographic coordinates (Easting and Northing) in line with utilities
6. Locations of easements or other lands of ownership rights

I am requesting at least one form of documentation as part of your review (Map, KMZ, shape file, mark-ups/sketches, etc.). In addition to the documentation I am requesting a rough cost estimate on a per mile basis for the relocation of the existing facilities as it relates to each corridor alternative. If the project area is outside of your utility service please respond in kind.

This information will need to be returned to me by **October 19<sup>th</sup>, 2018**.

Thank you for your cooperation. We will make sure the information, which you have provided, will be considered prior to establishing future corridor(s). Please feel free to contact me for additional information, or questions.

Thanks,

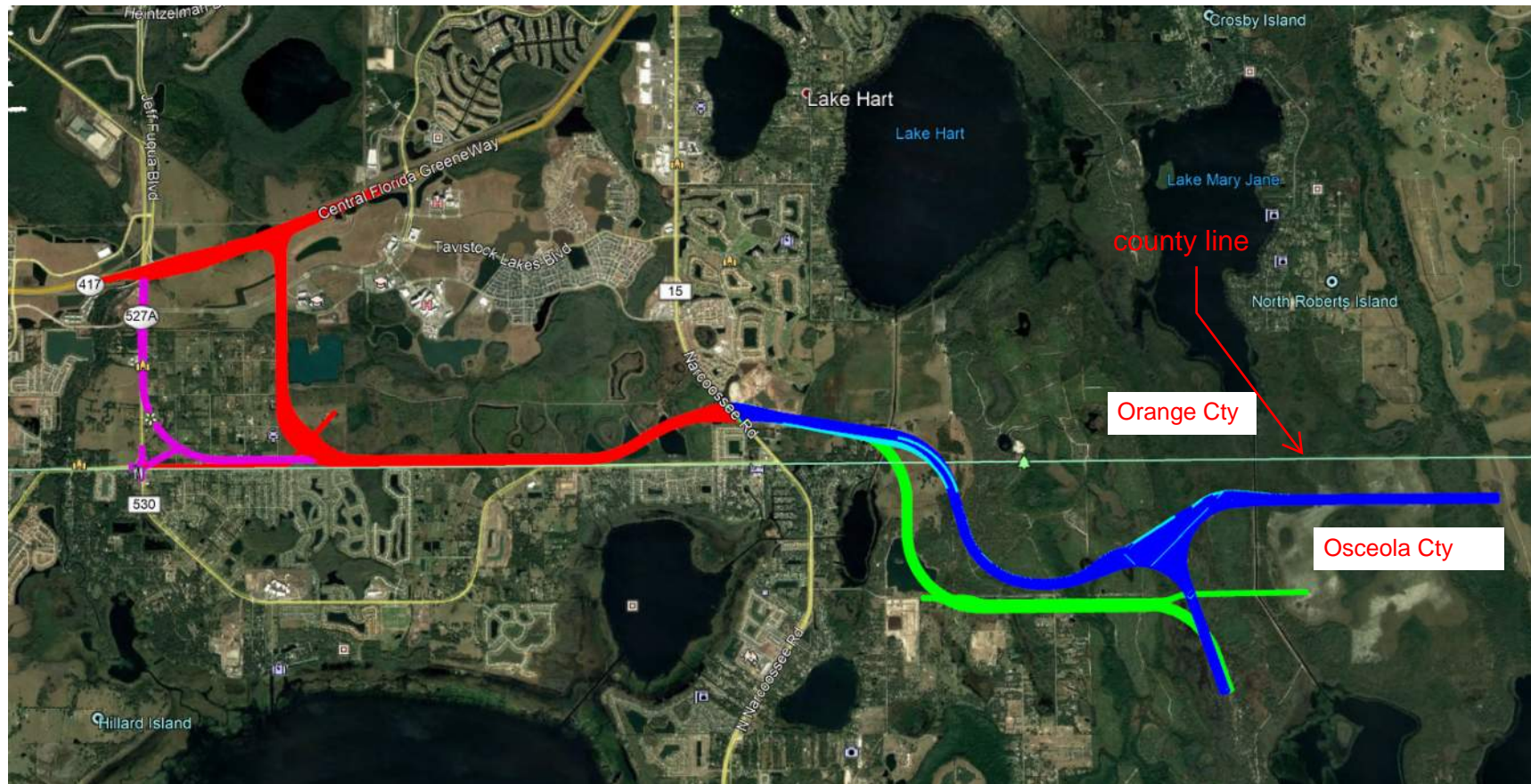
***Armando T Perez, E.I.***



165 Lincoln Avenue  
Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122

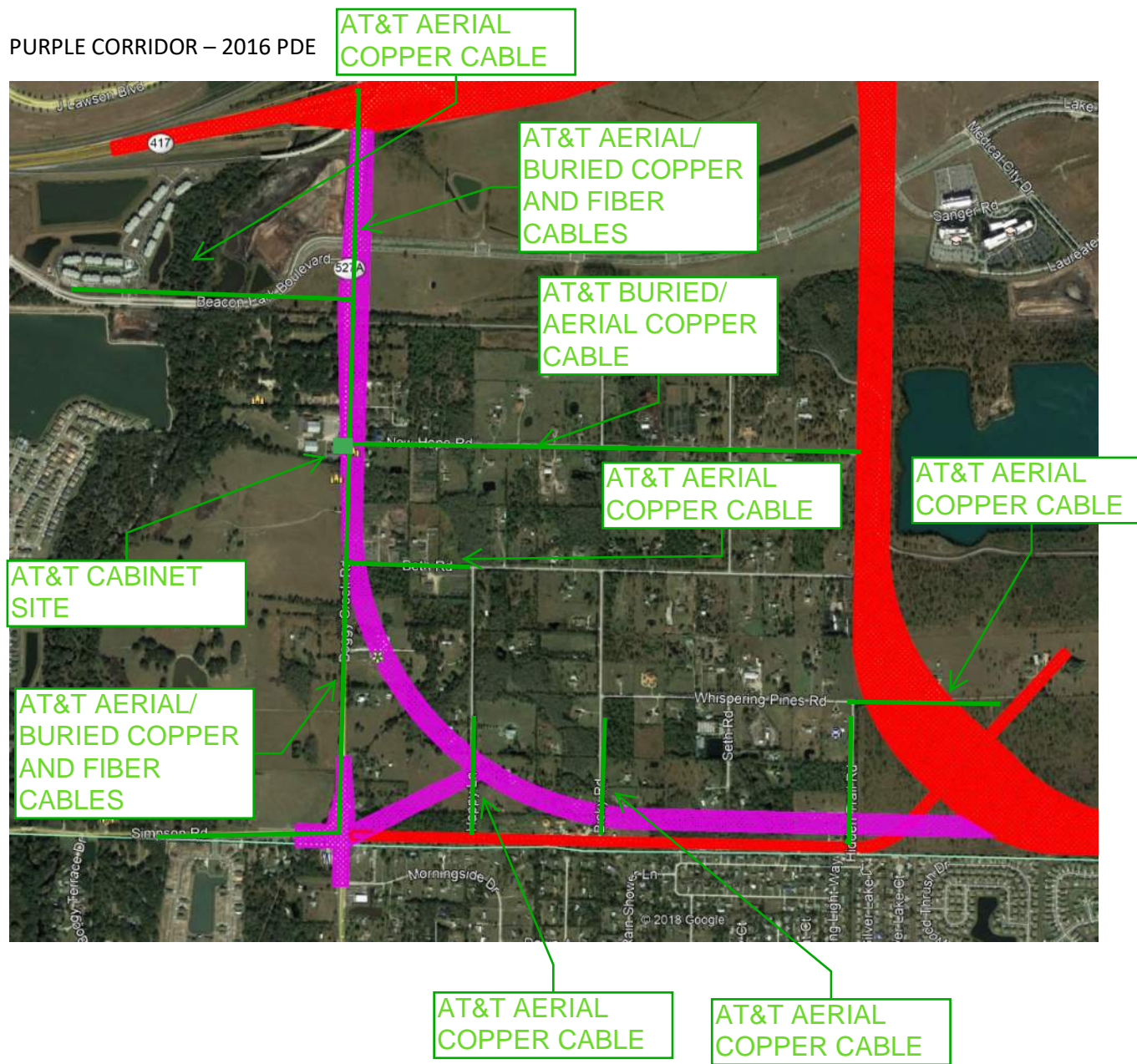


## OVERALL PROJECT VIEW



AT&T FLORIDA  
GREENLINES

PURPLE CORRIDOR – 2016 PDE



NOTE: All Cable Locations reflected on this drawing are considered to be approximate and should be verified by the contractor prior to the start of work operation. Call Sunshine One-Call for field locations: 811 or 1-800-432-4770



AT&T BURIED  
FIBER CABLE

AT&T BURIED  
FIBER CABLE

RED CORRIDOR 1 - ALT 1

AT&T AERIAL/  
BURIED COPPER  
AND FIBER  
CABLES

AT&T BURIED  
COPPER CABLE

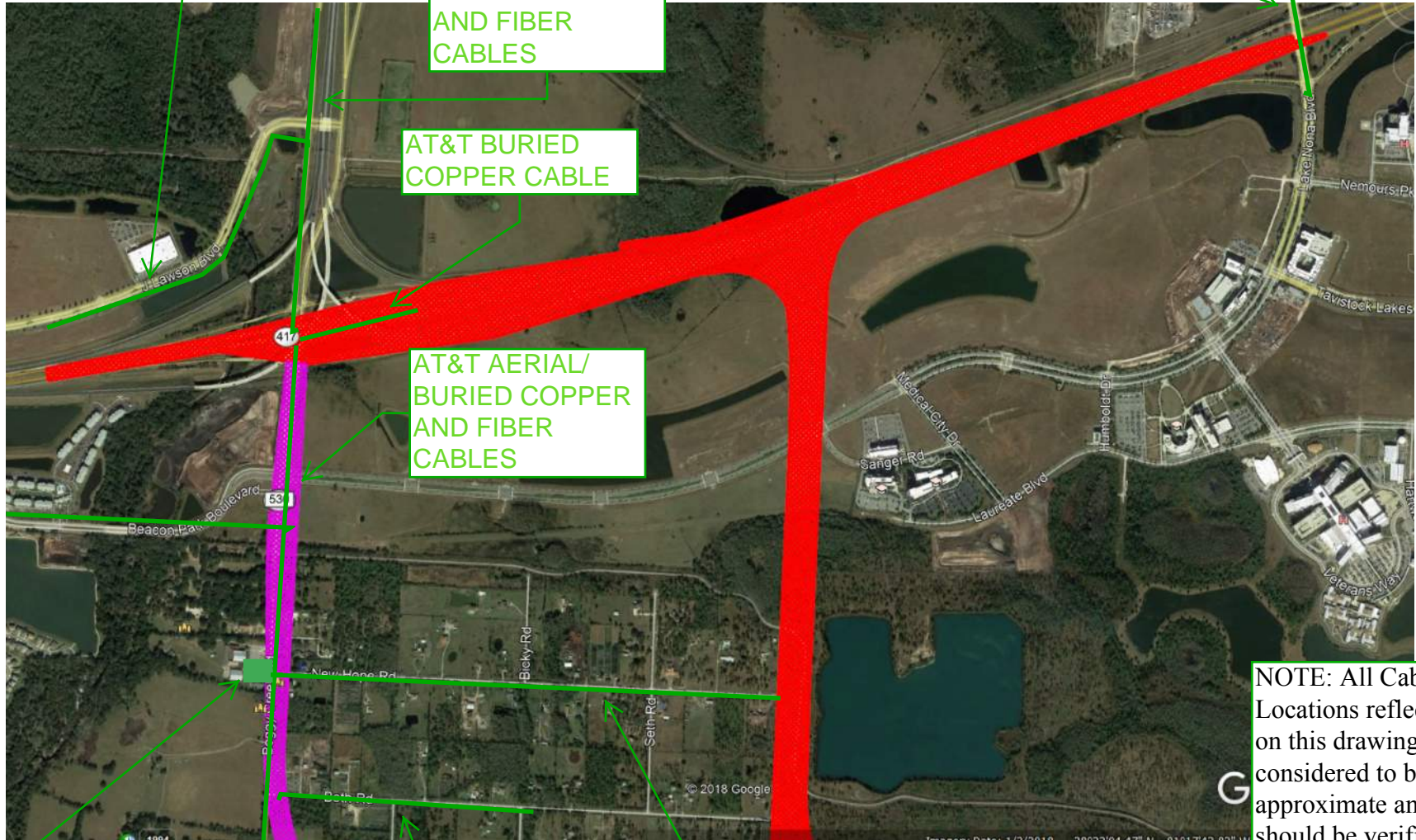
AT&T AERIAL/  
BURIED COPPER  
AND FIBER  
CABLES

AT&T CABINET  
SITE

AT&T AERIAL  
COPPER CABLE

AT&T AERIAL/  
BURIED COPPER  
CABLE

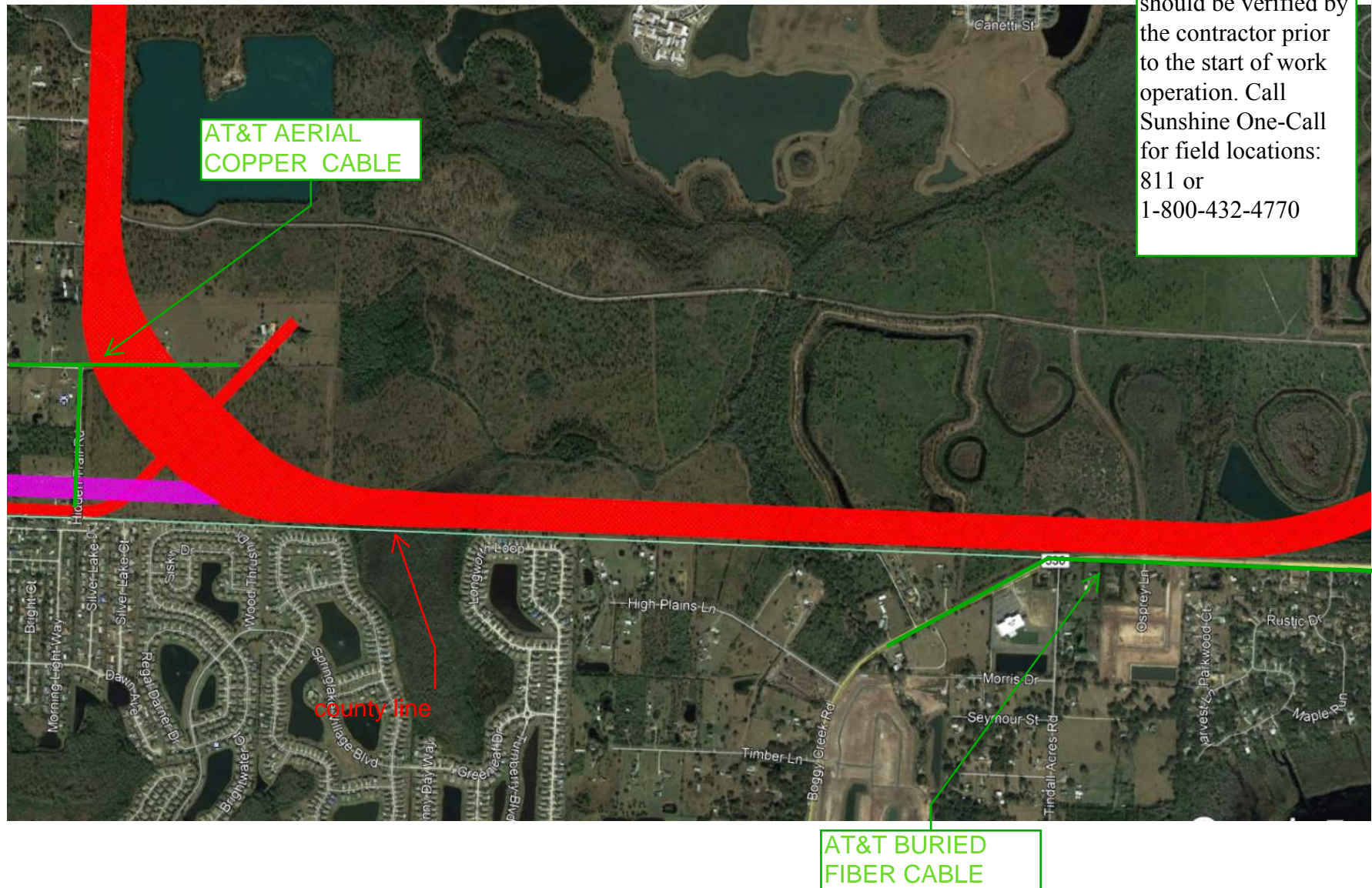
NOTE: All Cable Locations reflected on this drawing are considered to be approximate and should be verified by the contractor prior to the start of work operation. Call Sunshine One-Call for field locations: 811 or 1-800-432-4770





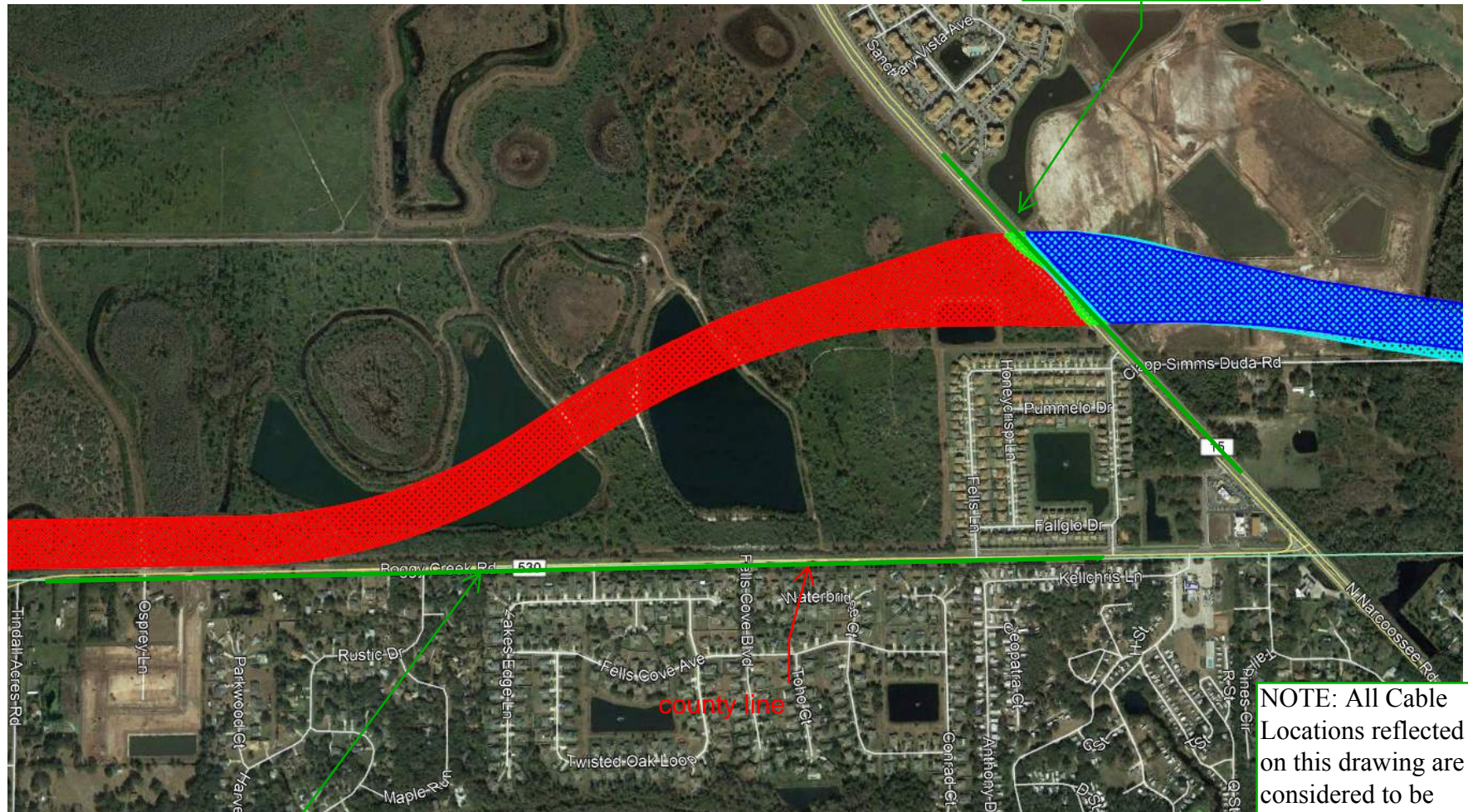
RED CORRIDOR 2 – ALT 1

NOTE: All Cable Locations reflected on this drawing are considered to be approximate and should be verified by the contractor prior to the start of work operation. Call Sunshine One-Call for field locations: 811 or 1-800-432-4770





RED CORRIDOR 3 – ALT 1



AT&T AERIAL  
FIBER AND  
COPPER CABLE

AT&T BURIED  
FIBER CABLE

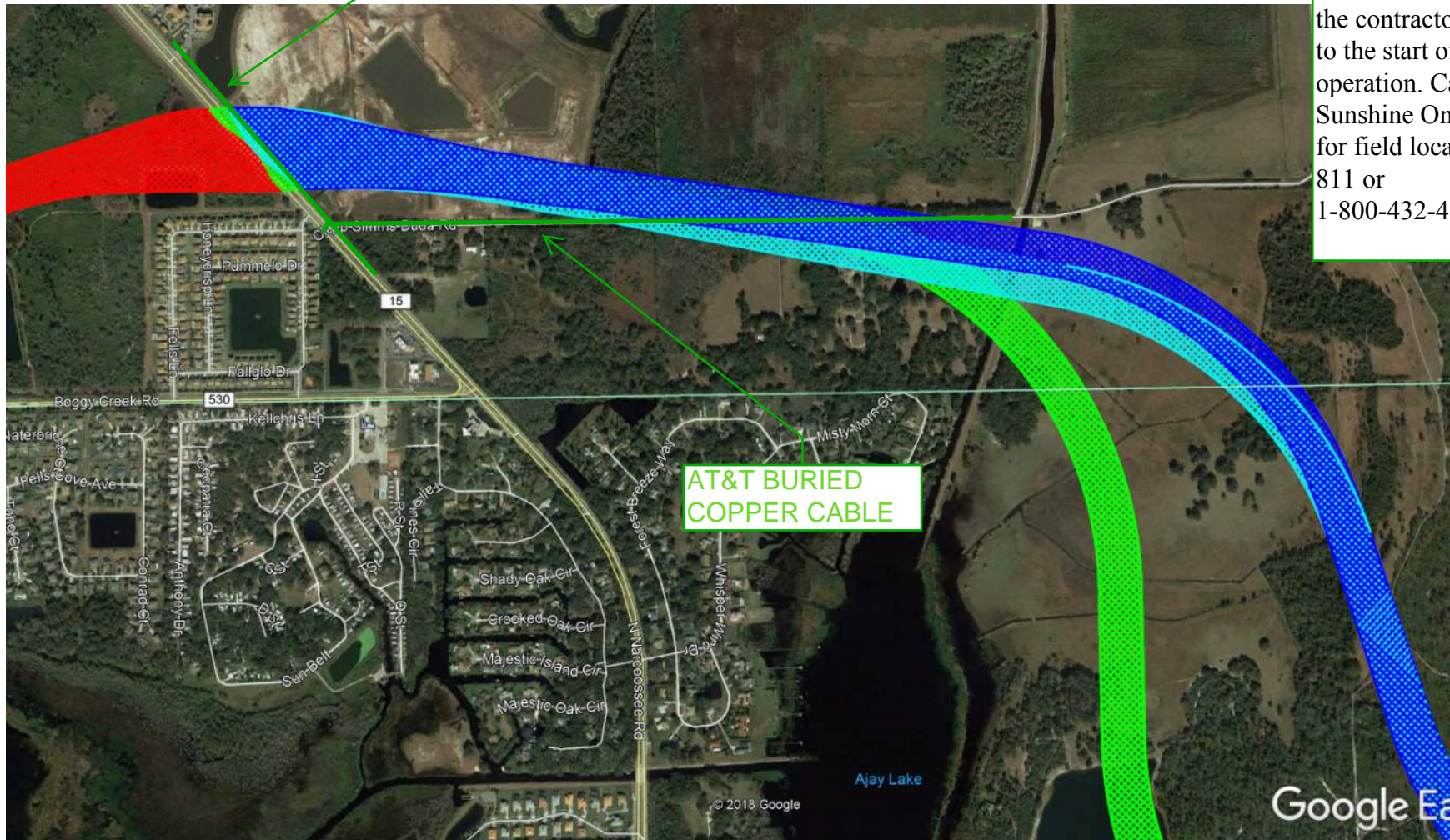
NOTE: All Cable Locations reflected on this drawing are considered to be approximate and should be verified by the contractor prior to the start of work operation. Call Sunshine One-Call for field locations: 811 or 1-800-432-4770



AT&T AERIAL  
COPPER AND  
FIBER CABLE

BLUE/GREEN/CYAN CORRIDOR 1 – ALT 2, 3, 4

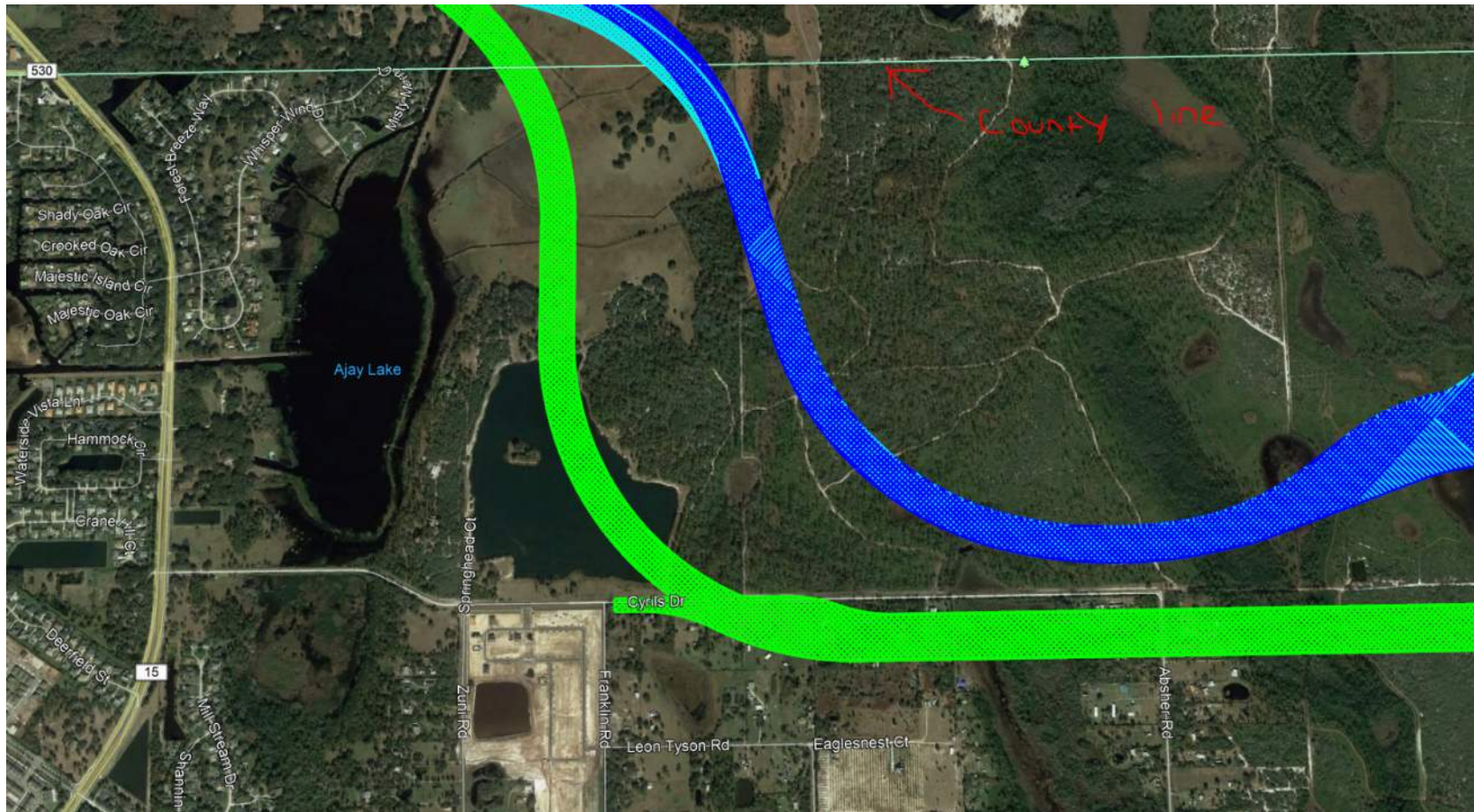
NOTE: All Cable  
Locations reflected  
on this drawing are  
considered to be  
approximate and  
should be verified by  
the contractor prior to  
the start of work  
operation. Call  
Sunshine One-Call  
for field locations:  
811 or  
1-800-432-4770





NO AT&T  
FACILITIES THIS  
SHEET

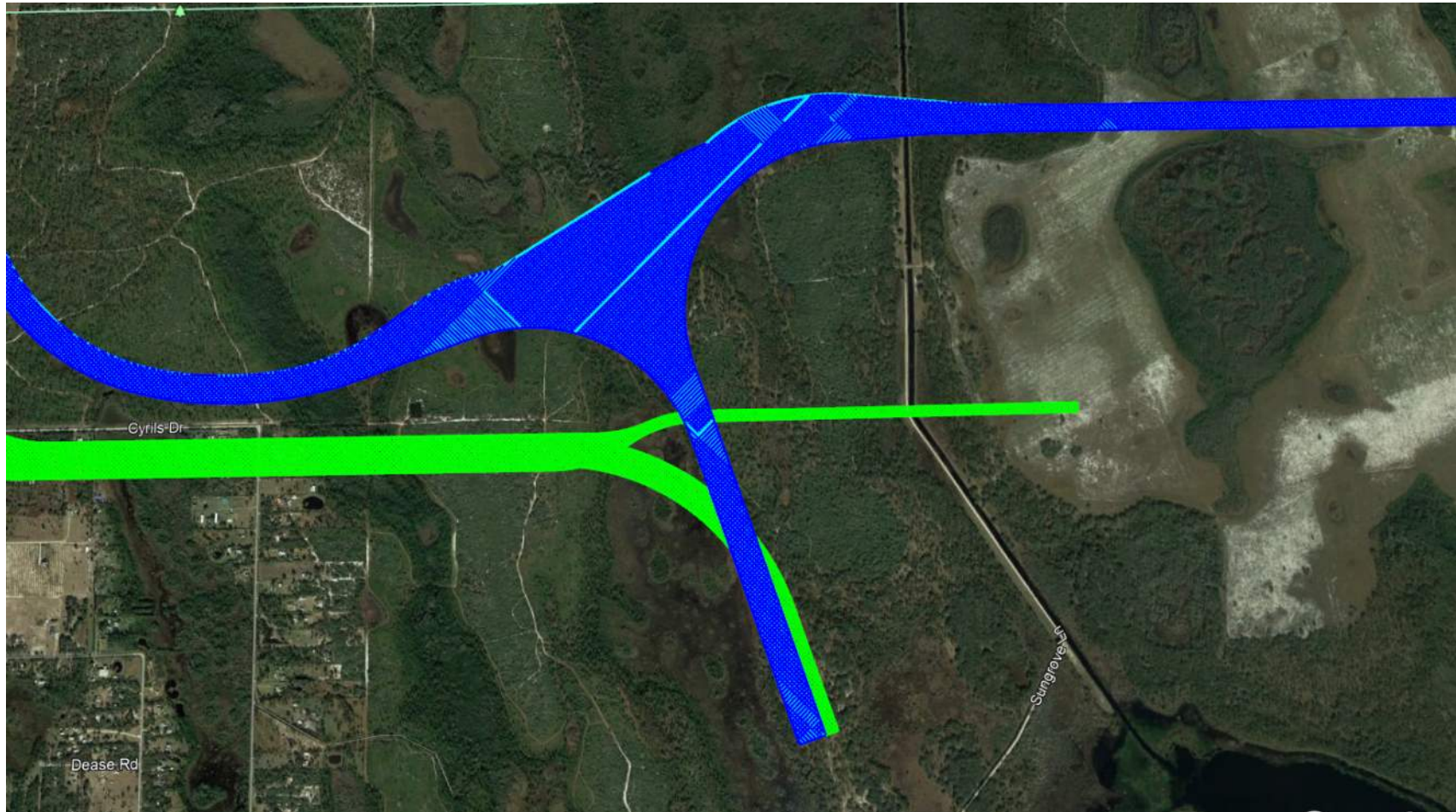
BLUE/GREEN/CYAN CORRIDOR 2 – ALT 2, 3, 4





BLUE/GREEN/CYAN CORRIDOR 3 – ALT 2, 3, 4

NO AT&T  
FACILITIES THIS  
SHEET





## Armando Perez

---

**From:** Kevin Harder <kharter@terratechllc.net>  
**Sent:** Wednesday, October 24, 2018 9:23 AM  
**To:** Armando Perez  
**Cc:** Marlon Brown; Leslie, Ty T; Byrnes, David R  
**Subject:** Osceola Parkway Extension PD&E Study - Utility Identification/ Locate for CenturyLink / ECI  
**Attachments:** Osceola Parkway Corridor Alternatives - Locations of roadways with CenturyLink Facilities.pdf; Osceola Parkway Corridor Alternatives - Locations of roadways with CenturyLink Facilities.pdf

Armando Perez,

CenturyLink had asked my firm (Terra Technologies LLC) to review the attached plan and address your need for GreenLine Plans.

Due to the level of planning this project is currently in we are not generating a detailed GreenLine Plan set at this time. Attached is a basic exhibit showing CenturyLink / ECI facilities in proximity to the routes that are being studied for your use.

Please note that a detailed GreenLine and/or RGB Plan set can be provided at a later time once a route has been determined and more information provide to CenturyLink for review and analysis.

Please also note that this exhibit applies to ""legacy" CenturyLink and ECI (Embarq) facilities only and does not included facilities owned by "legacy" Level 3 at this time.



**Kevin Harder, P.E.**  
TERRA TECHNOLOGIES LLC



815-451-1668



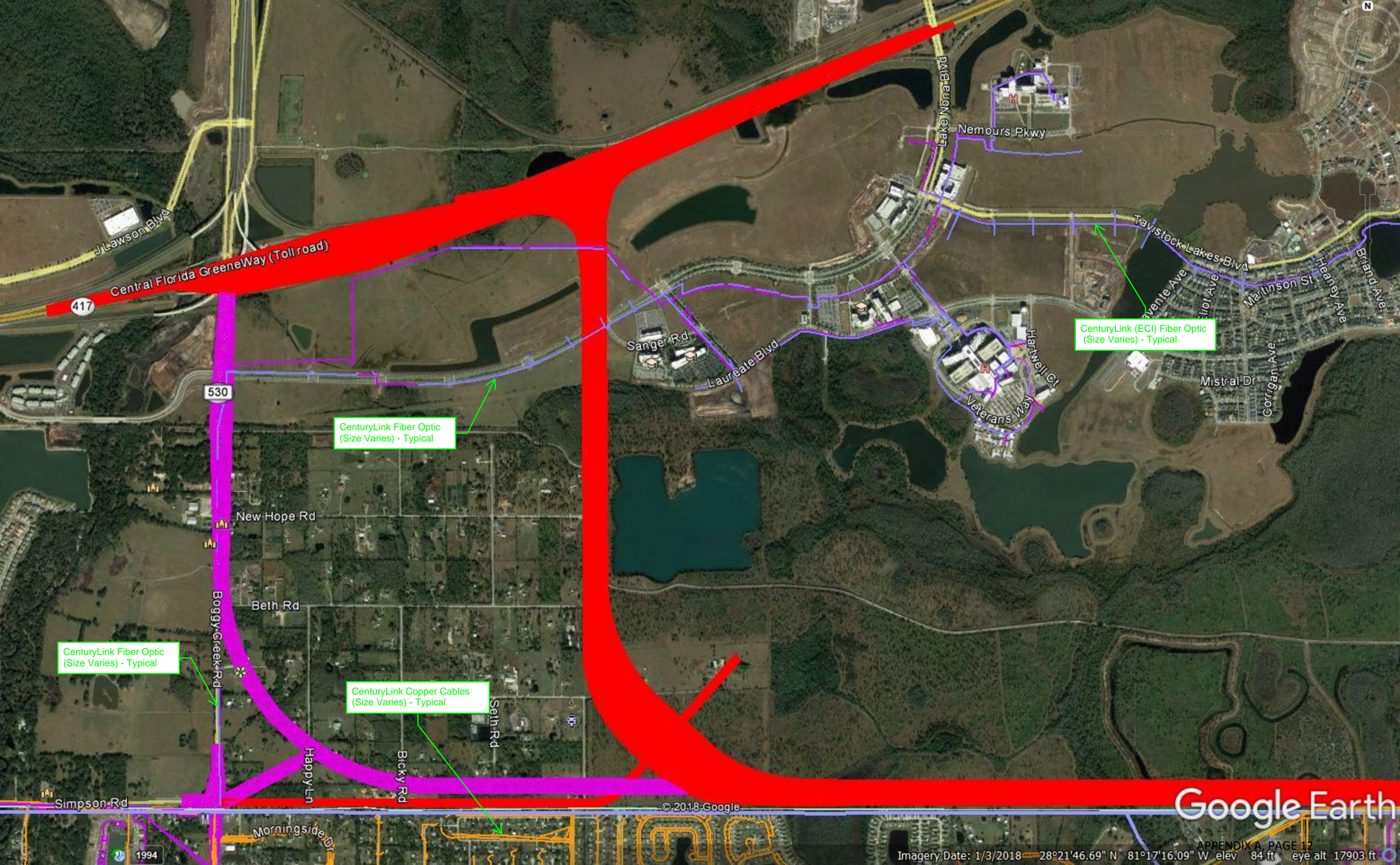
kharter@terratechllc.net



TERRATECHLLC.NET

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417 Central Florida GreeneWay (Toll road)

530

CenturyLink Fiber Optic  
(Size Varies) - Typical

CenturyLink Fiber Optic  
(Size Varies) - Typical

CenturyLink Copper Cables  
(Size Varies) - Typical

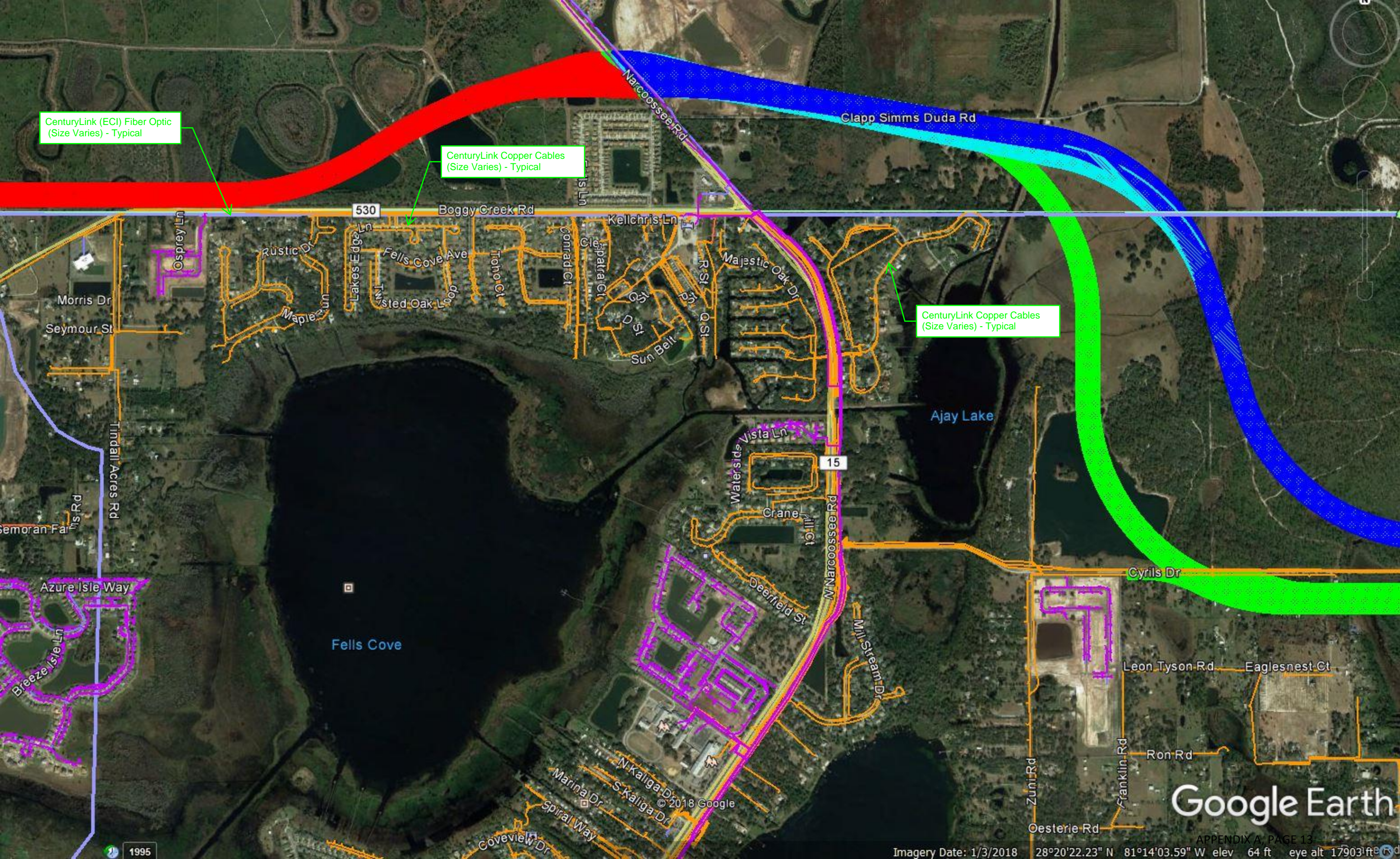
CenturyLink (ECI) Fiber Optic  
(Size Varies) - Typical



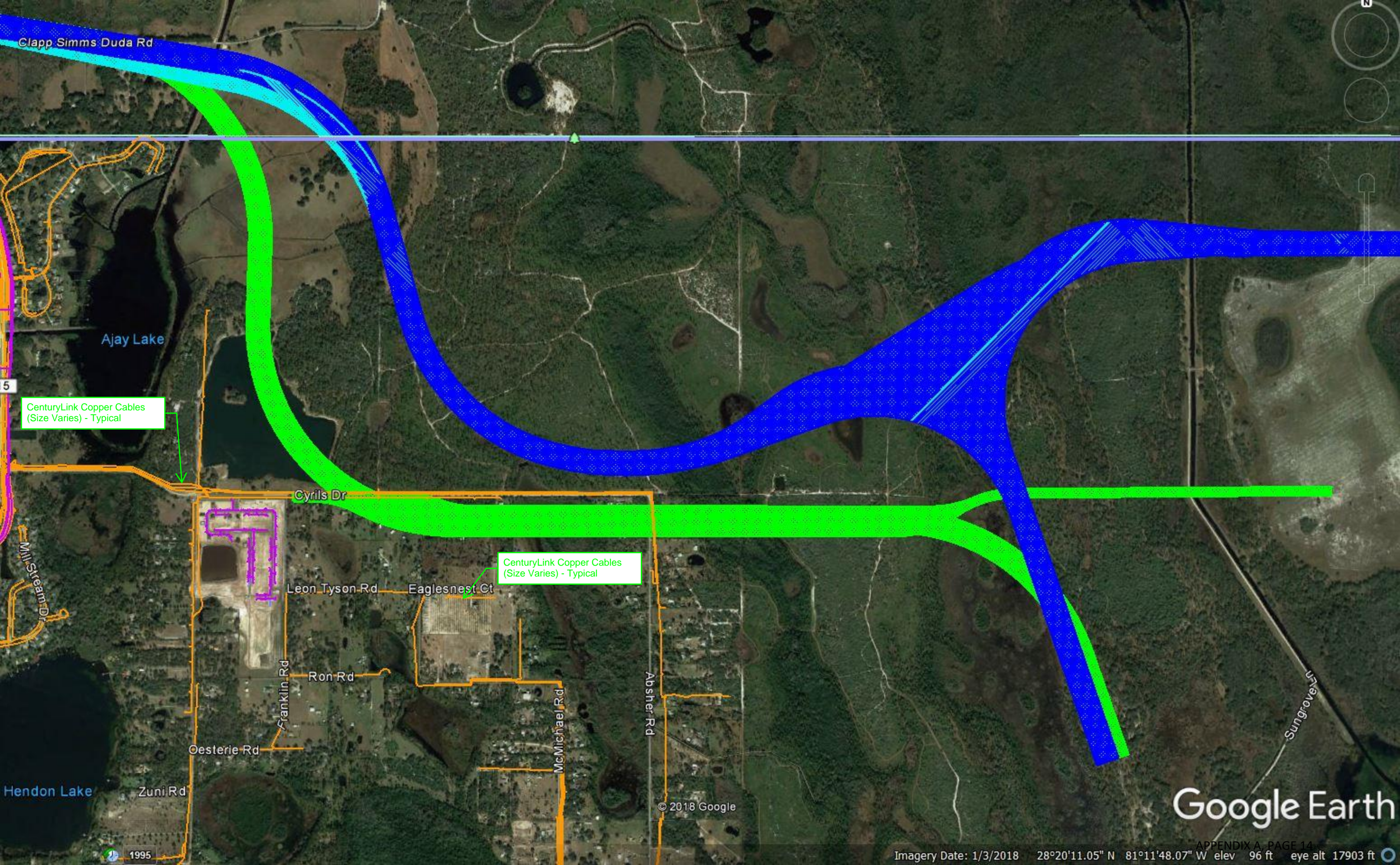
CenturyLink (ECI) Fiber Optic  
(Size Varies) - Typical

CenturyLink Copper Cables  
(Size Varies) - Typical

CenturyLink Copper Cables  
(Size Varies) - Typical







Clapp Simms Duda Rd

Ajay Lake

5

CenturyLink Copper Cables  
(Size Varies) - Typical

Cyril's Dr

Mills Steam Dr

Leon Tyson Rd

Eaglesnest Ct

CenturyLink Copper Cables  
(Size Varies) - Typical

Ron Rd

Franklin Rd

Oesterie Rd

Zuni Rd

Hendon Lake

McMichael Rd

Abscher Rd

Sungrove Ln

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Google Earth

APPENDIX A, PAGE 14

Imagery Date: 1/3/2018 28°20'11.05" N 81°11'48.07" W elev 96 ft eye alt 17903 ft



## Armando Perez

---

**From:** Ayala, Jesus <Jesus.Ayala@charter.com>  
**Sent:** Thursday, October 11, 2018 7:12 AM  
**To:** Armando Perez  
**Cc:** Tynes, Ronald B  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Armando:

Good morning;

That is correct our facilities are on the right of way either on the poles or underground in that area. For the exact location you will need to call 811 for locates, and as far as cost we will need to have utility maps to see if we have any conflicts. On the Boggy Creek area we have a fiber that is mostly underground. When maps are provided I can mark some conflicts if any then we can discuss the cost if any.

Thanks,



**Jesus Ayala** | Construction Coordinator II | 407-532-8694  
3767 All American Boulevard | Orlando, FL 32810

---

**From:** Armando Perez [mailto:ATPerez@balmoralgroup.us]  
**Sent:** Wednesday, October 10, 2018 3:32 PM  
**To:** Ayala, Jesus  
**Cc:** Tynes, Ronald B  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Jesus,

Unfortunately all we have for now are the concepts of the corridor alternatives in CADD and KMZ form. I am waiting for the consultants putting together the concepts to provide me Plan Sheets, but I don't know when I will receive

those. Given the overall scope of this PD&E Study Re-evaluation I would like to simplify things on your end as much as possible.

In regards to the maps that Ronald sent are those the only areas with your existing facilities as they relate to the corridor alternatives? If so, then that would cover a bulk of the information I need such as the type of utility, facility type, and location. After that the only additional information I would need based on those maps would be if your utilities are within an easement, and a rough cost estimate for relocating existing utilities on a per mile basis.

In regards to future expansions of your utilities, if you do happen to identify areas based on our KMZ file where expansions are planned then an email response with a general geographic area of the expansion will suffice.

Any and all information you can provide will be beneficial to the study. I will be sure to reach out to you when I receive those Plan sheets as well.

Let me know your thoughts on this approach.

Thanks,  
Armando Perez

---

**From:** Ayala, Jesus <Jesus.Ayala@charter.com>  
**Sent:** Wednesday, October 10, 2018 11:11 AM  
**To:** Armando Perez <ATPerez@balmoralgroup.us>  
**Cc:** Tynes, Ronald B <Ronald.Tynes@charter.com>  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Armando:

Good morning;

Do you have utility adjustments or plans and profiles available. It would be hard for me to put something together for such a big area. With the maps that Ron provided if you zoom in the poles would be aerial and the lines that have dashes would be underground. Fiber is all along boggy creek.

Please advise;

Thanks,



**Jesus Ayala** | Construction Coordinator II | 407-532-8694  
3767 All American Boulevard | Orlando, FL 32810

---

**From:** Armando Perez [<mailto:ATPerez@balmoralgroup.us>]  
**Sent:** Wednesday, October 10, 2018 9:39 AM  
**To:** Ayala, Jesus  
**Cc:** Tynes, Ronald B  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Good Morning Jesus,

I was referred to you by Ronald Tynes. My company is doing a PD&E Re-evaluation of the Osceola Parkway Extension East of Boggy Creek on behalf of the Central FL Expressway Authority (Please see email thread below dated Oct. 8, 2018 for more details).

Ronald was able to provide me some maps of your facilities of which he copied you on. I was hoping you could expand on that information in the maps, more specifically:

1. What is the difference between the blue & green line work?
  - a. Underground vs. Aerial
2. The type of utility
  - a. CATV, Telephone, fiber, etc.

I was also hoping you could identify any easements in the maps (if applicable) as well as identify any areas of future expansion or relocation given are attached KMZ file (Osceola Parkway\_Corridor Alternatives.kmz) showing our corridor alternatives.

In addition to that I was hoping you could provide a general, rough cost estimate on a per mile basis for the relocation of existing facilities (aerial & underground if possible).

Please let me know if you have any questions. Also, feel free to call my number below.

Thanks,  
Armando Perez

---

**From:** Tynes, Ronald B <[Ronald.Tynes@charter.com](mailto:Ronald.Tynes@charter.com)>  
**Sent:** Wednesday, October 10, 2018 9:21 AM  
**To:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>; Ayala, Jesus <[Jesus.Ayala@charter.com](mailto:Jesus.Ayala@charter.com)>  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

If you need more detail Jesus will have to help you. Just thought you would need a general location until a decision was made. Jesus can you please help with more detailed maps of our facilities.



Ronald B. Tynes | Construction Supervisor |

**From:** Armando Perez [<mailto:ATPerez@balmoralgroup.us>]  
**Sent:** Wednesday, October 10, 2018 9:14 AM  
**To:** Tynes, Ronald B  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Good Morning Ronald,

Thank you for the maps. Also, thank you for providing me that contact.

I do have some questions regarding the maps:

1. What is the difference between the blue and green?
  - a. Aerial vs. Underground
2. What type of utility are these?
  - a. Fiber, telephone, CATV

Thank you again for your assistance.

-Armando Perez

---

**From:** Tynes, Ronald B <[Ronald.Tynes@charter.com](mailto:Ronald.Tynes@charter.com)>  
**Sent:** Wednesday, October 10, 2018 8:25 AM  
**To:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>  
**Cc:** Ayala, Jesus <[Jesus.Ayala@charter.com](mailto:Jesus.Ayala@charter.com)>  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Spectrum facilities in general along the multiple alternative paths highlighted in blue for awareness. Please include Jesus our engineer concerning any information or future relocation of facilities.

Thanks



Ronald B. Tynes | Construction Supervisor |  
3767 All American Blvd | Orlando, FL 32810 |  
Office: 407-215-5864 | Cell: 407-468-6892

---

**From:** Armando Perez [<mailto:ATPerez@balmoralgroup.us>]  
**Sent:** Tuesday, October 09, 2018 11:13 AM  
**To:** Usry Jr., Marvin L; Tynes, Ronald B; Hudson, Todd S  
**Subject:** RE: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Thank you for forwarding my information Marvin.

Ronald & Todd: Please let me know if you need any information. Feel free to call as well.



Thanks,  
Armando Perez

---

**From:** Usry Jr., Marvin L <[Marvin.UsryJr@charter.com](mailto:Marvin.UsryJr@charter.com)>  
**Sent:** Monday, October 8, 2018 4:12 PM  
**To:** Tynes, Ronald B <[Ronald.Tynes@charter.com](mailto:Ronald.Tynes@charter.com)>; Hudson, Todd S <[Todd.Hudson@charter.com](mailto:Todd.Hudson@charter.com)>  
**Cc:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>  
**Subject:** FW: Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

**Charter**  
COMMUNICATIONS  
Marvin L. Usry, Jr. | Construction Supervisor | 407-532-8509  
3767 All American Blvd. | Orlando, FL 32810

---

**From:** Armando Perez [<mailto:ATPerez@balmoralgroup.us>]  
**Sent:** Monday, October 08, 2018 4:10 PM  
**To:** Usry Jr., Marvin L  
**Subject:** Osceola Parkway Extension PD&E Study - Utility Identification/ Locate

Hello Marvin,

Per our discussion, the Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.

In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

Given the scope of the study, we identified a baseline of utility information (See Below). Please provide the information per corridor alternative. I also provided a pdf of adjacent and intersecting roadways per corridor alternative for your aid.

1. Type of utility
2. Facilities (Aerial and/or underground)
3. Number & Size of utility
4. Location with respect to Roadway (DOT, County, or private)
  - a. Road Name & Roadside (N,S,E,W)
    - i. Also provide begin & end within a reasonable range of the project area.
5. Location with respect to developments or undeveloped areas
  - a. Geographic coordinates (Easting and Northing) in line with utilities
6. Locations of easements or other lands of ownership rights

I am requesting at least one form of documentation as part of your review (Map, KMZ, shape file, mark-ups/sketches, etc.). In addition to the documentation I am requesting a rough cost estimate on a per mile basis for the relocation of the existing facilities as it relates to each corridor alternative. If the project area is outside of your utility service please respond in kind.

This information will need to be returned to me by **October 19<sup>th</sup>, 2018.**

Thank you for your cooperation. We will make sure the information, which you have provided, will be considered prior to establishing future corridor(s). Please feel free to contact me for additional information, or questions.

Thanks,

**Armando T Perez, E.I.**



165 Lincoln Avenue  
Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122

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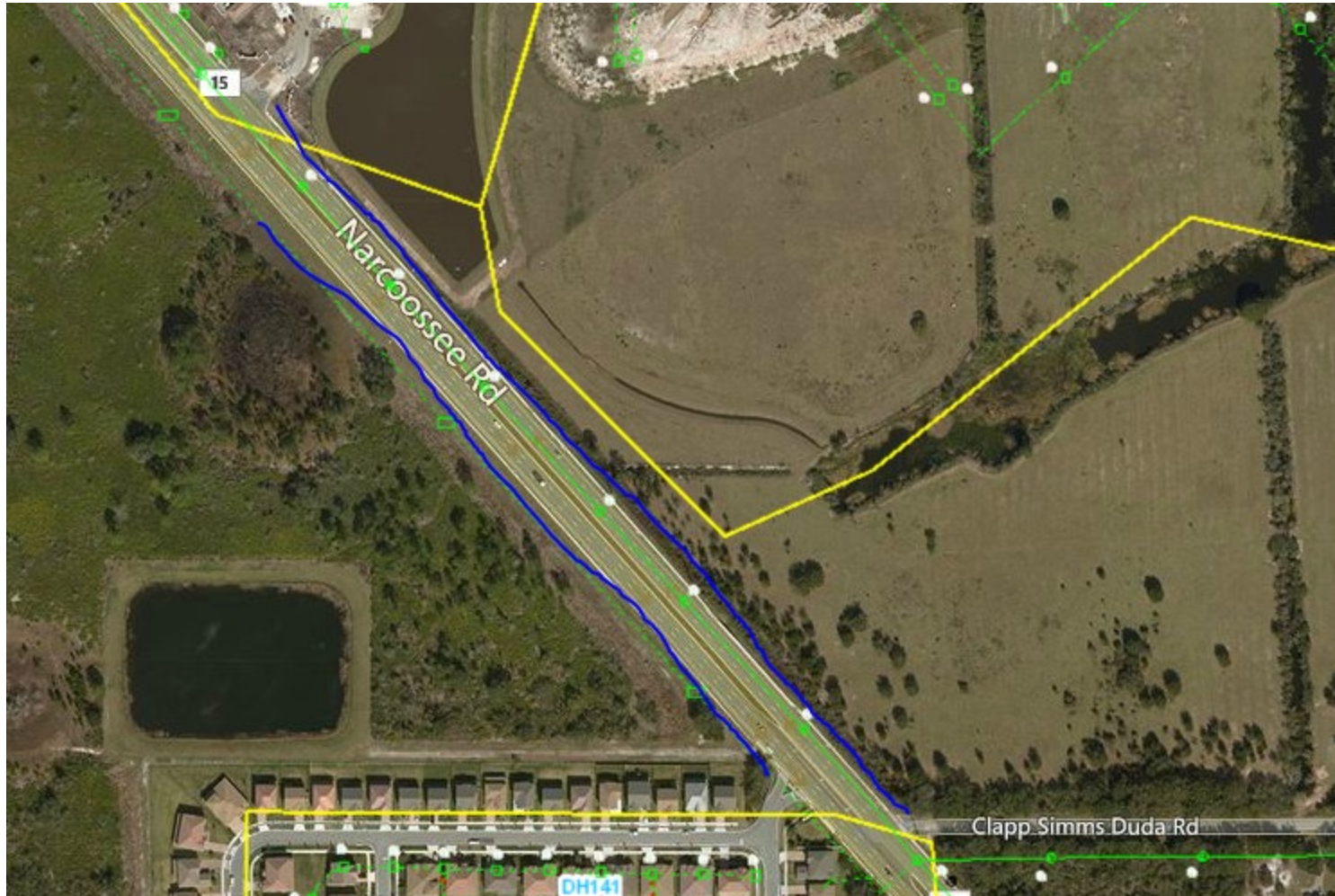
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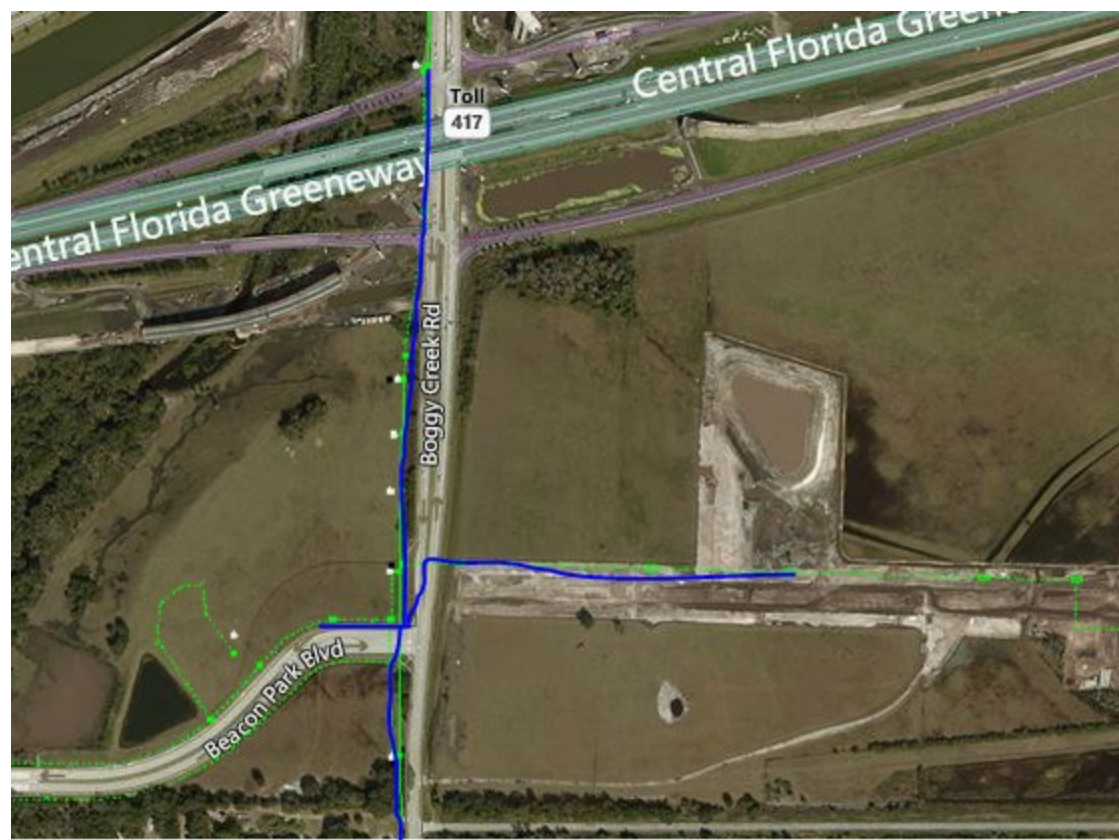
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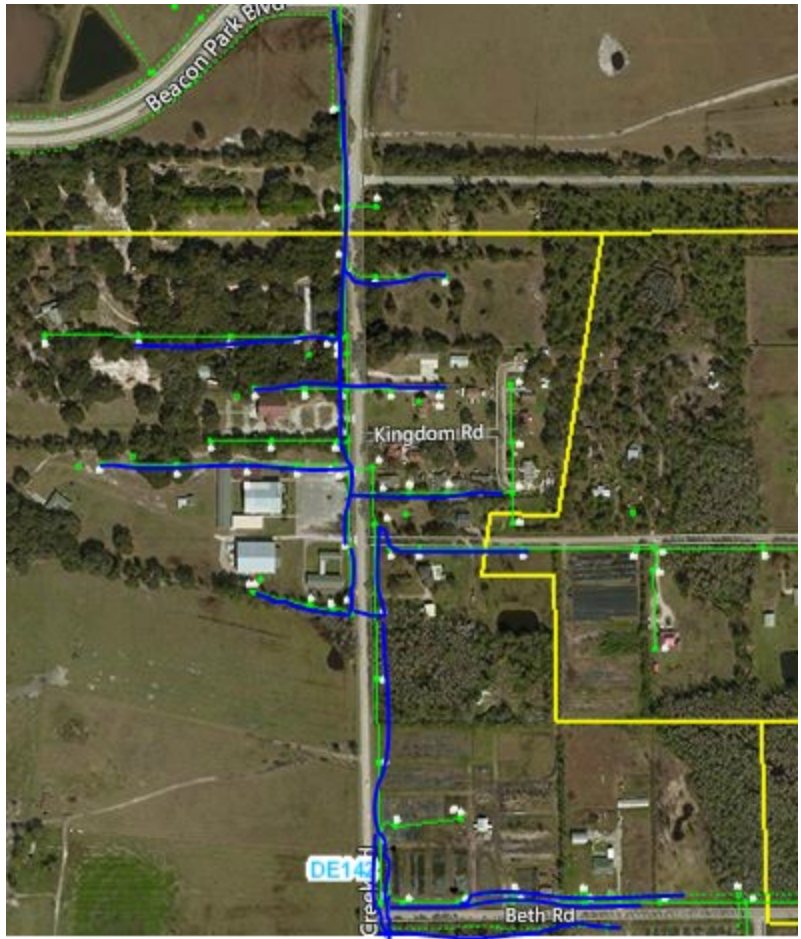
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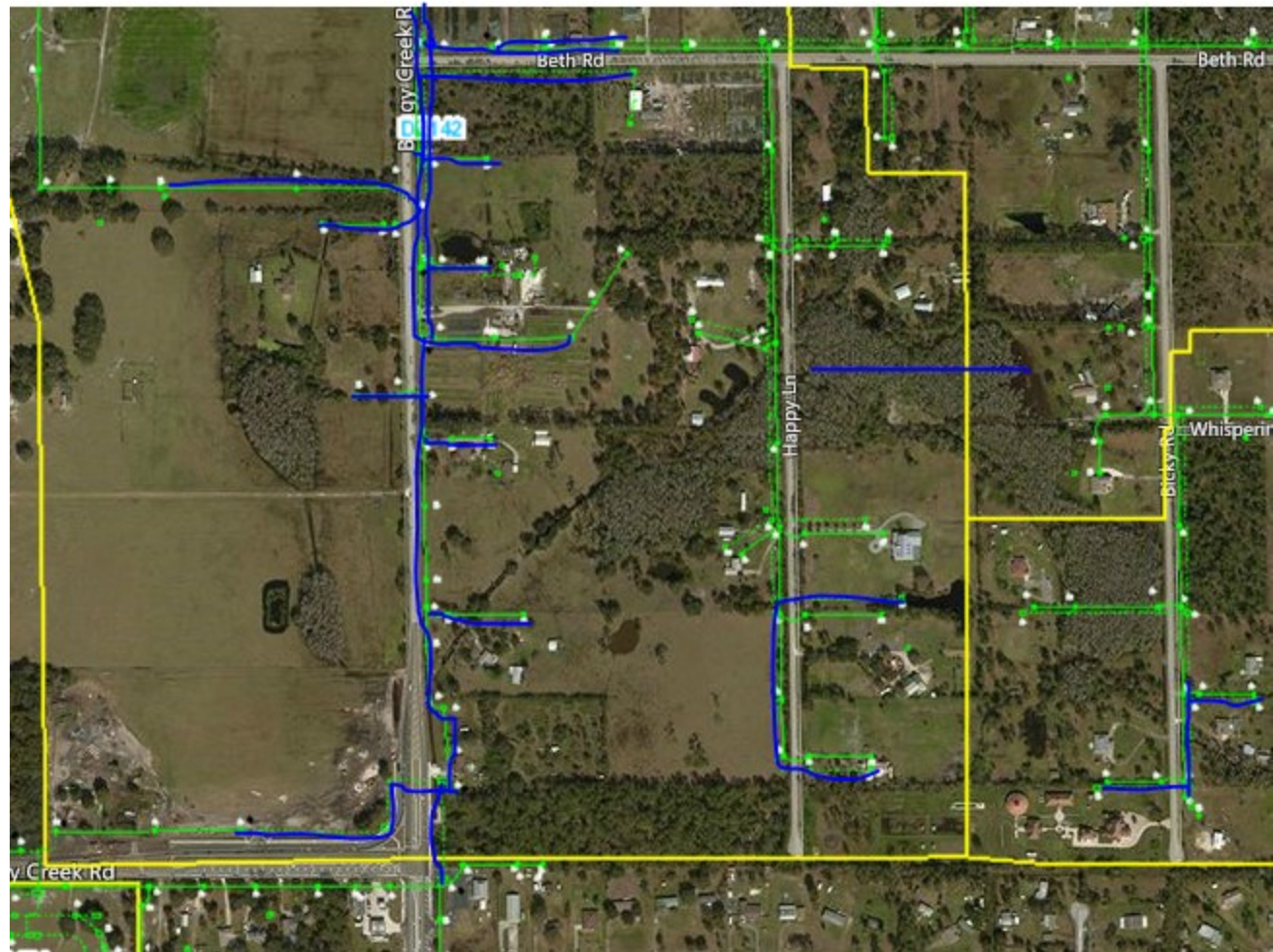














## Armando Perez

---

**From:** Daniel Bollone <Daniel.Bollone@cityoforlando.net>  
**Sent:** Monday, October 22, 2018 3:33 PM  
**To:** Armando Perez  
**Cc:** David A Breitrick; Charles M Shultz; Hickbal O Clarke  
**Subject:** Osceola Parkway Extension Study Maps  
**Attachments:** 2018-10-22 Perez\_ltr.pdf

Good Afternoon Armando,

I've shared a drive with you here containing the requested maps for the Osceola Parkway Extension.

Please refer to the attached PDF from David Breitrick containing further details regarding the maps.

If you have any issues accessing this shared drive, or need further information from these PDF maps, please don't hesitate to ask.

These PDF maps may contain third party information for reference purposes only. Field verification is required for exact locations, inverts, lengths, and rim elevations.

### [Osceola Parkway Extension Study Maps](#)



Osceola Parkway Extension Study Maps

Shared via OneDrive

---

Daniel Bollone  
Computer Cartographer III



(407) 246-3805

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## Armando Perez

---

**From:** David A Breitrick <david.breitrick@cityoforlando.net>  
**Sent:** Wednesday, October 24, 2018 2:21 PM  
**To:** Armando Perez; Daniel Bollone  
**Cc:** Charles M Shultz; Hickbal O Clarke  
**Subject:** Re: Osceola Parkway Extension Study Maps

Armando,

Neither Daniel nor myself are qualified to estimate utility relocation costs. The utility maps have been provided at your request for reference to assist you with your corridor study.

David Breitrick, PE | Engineering & Mapping Manager

407-246-2213 | direct: 407-246-3525

David.Breitrick@cityoforlando.net

[Water Reclamation Division](#)

[City of Orlando Public Works](#)



---

**From:** Armando Perez <ATPerez@balmoralgroup.us>  
**Sent:** Tuesday, October 23, 2018 8:53:38 AM  
**To:** Daniel Bollone  
**Cc:** David A Breitrick; Charles M Shultz; Hickbal O Clarke  
**Subject:** RE: Osceola Parkway Extension Study Maps

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

Good Morning Daniel,

Thank you for all your help. I was wondering if you have a rough cost estimate for the relocation of your reclamation lines and sanitary lines. Given the scope of our study a rough estimate on a per mile basis will suffice. This estimate can be independent of the alternatives as well (if its simpler and preferable on your end).

Please let me know if you have any questions.

Thanks,  
Armando Perez

P.S. Thank you David for your assistance as well.

165 Lincoln Avenue  
Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122

---

**From:** Daniel Bollone <Daniel.Bollone@cityoforlando.net>

**Sent:** Monday, October 22, 2018 3:33 PM

**To:** Armando Perez <ATPerez@balmoralgroup.us>

**Cc:** David A Breitrick <david.breitrick@cityoforlando.net>; Charles M Shultz <Charles.Shultz@cityoforlando.net>; Hickbal O Clarke <hickbal.clarke@cityoforlando.net>

**Subject:** Osceola Parkway Extension Study Maps

Good Afternoon Armando,

I've shared a drive with you here containing the requested maps for the Osceola Parkway Extension.

Please refer to the attached PDF from David Breitrick containing further details regarding the maps.

If you have any issues accessing this shared drive, or need further information from these PDF maps, please don't hesitate to ask.

These PDF maps may contain third party information for reference purposes only. Field verification is required for exact locations, inverts, lengths, and rim elevations.

[Osceola Parkway Extension Study Maps](#)



Osceola Parkway Extension Study Maps

Shared via OneDrive

---

Daniel Bollone

Computer Cartographer III



(407) 246-3805

---

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October 22, 2018

Armando Perez, E.I.  
Balmoral Group  
165 Lincoln Ave  
Winter Park, FL 32789  
Sent via email: [ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)

Re: Utility Coordination  
Osceola Parkway Extension

Dear Mr. Perez,

The Water Reclamation Division has reviewed the alternative routes of the Osceola Parkway Extension with regard to utility coordination with the City of Orlando Water Reclamation facilities including sanitary sewer, force mains, lift stations, and reclaimed water mains, and offers the following:

- Refer to the attached maps based on the City's GIS database depicting the City's Water Reclamation facilities and service area limits.
- Note that the purple, green, blue and cyan routes lie primarily outside of the City's sewer service and reclaimed water areas.
- The northern part of the red route passes through the Lake Nona planned development and lies within the City's sewer and reclaimed water service areas.
- The northern part of the red route crosses existing WRD facilities including an 8" reclaimed water main and 8" gravity sewer mains located on Lake Nona Blvd near Sanger Rd.
- The southern part of the red route lies outside of the City's sewer service area and within the City's reclaimed water service area.
- The southern part of the red route passes through a collection of properties known as the Poitras Property. Future development including future utilities are planned through the Poitras Property.

If you should have any questions, please feel free to contact me at 407-246-3525.

Sincerely,



David Breitrick, P.E.  
Engineering and Mapping Manager, Water Reclamation

Cc: Charles Shultz, P.E., Assistant Division Manager, Water Reclamation  
Hickbal Clarke, Civil Engineer III, Water Reclamation



**Osceola Parkway Extension Study - Utility Locations (1)**

**Legend**

**SS\_Manholes\_WEM**  
PublicVsPrivate, StuboutvsCleanout

- Private, <Null>
- Private, Cleanout
- Private, Stubout
- Public, <Null>
- Public, Cleanout
- Public, Stubout
- Public, Tee

**SS\_GravityLines\_WEM**  
PublicVsPrivate

- Parallel
- Private
- Public
- Public, Abandoned, Unusable

**SS\_LiftStations\_WEM**  
PrivateVsPublic

- Private
- Public
- SS\_ReclaimValves\_WEM

**SS\_ReclaimLines\_WEM**  
PublicVsPrivate

- Private
- Public

**SS\_ForceMainValves\_WEM**  
PublicVsPrivate

- Private
- Public

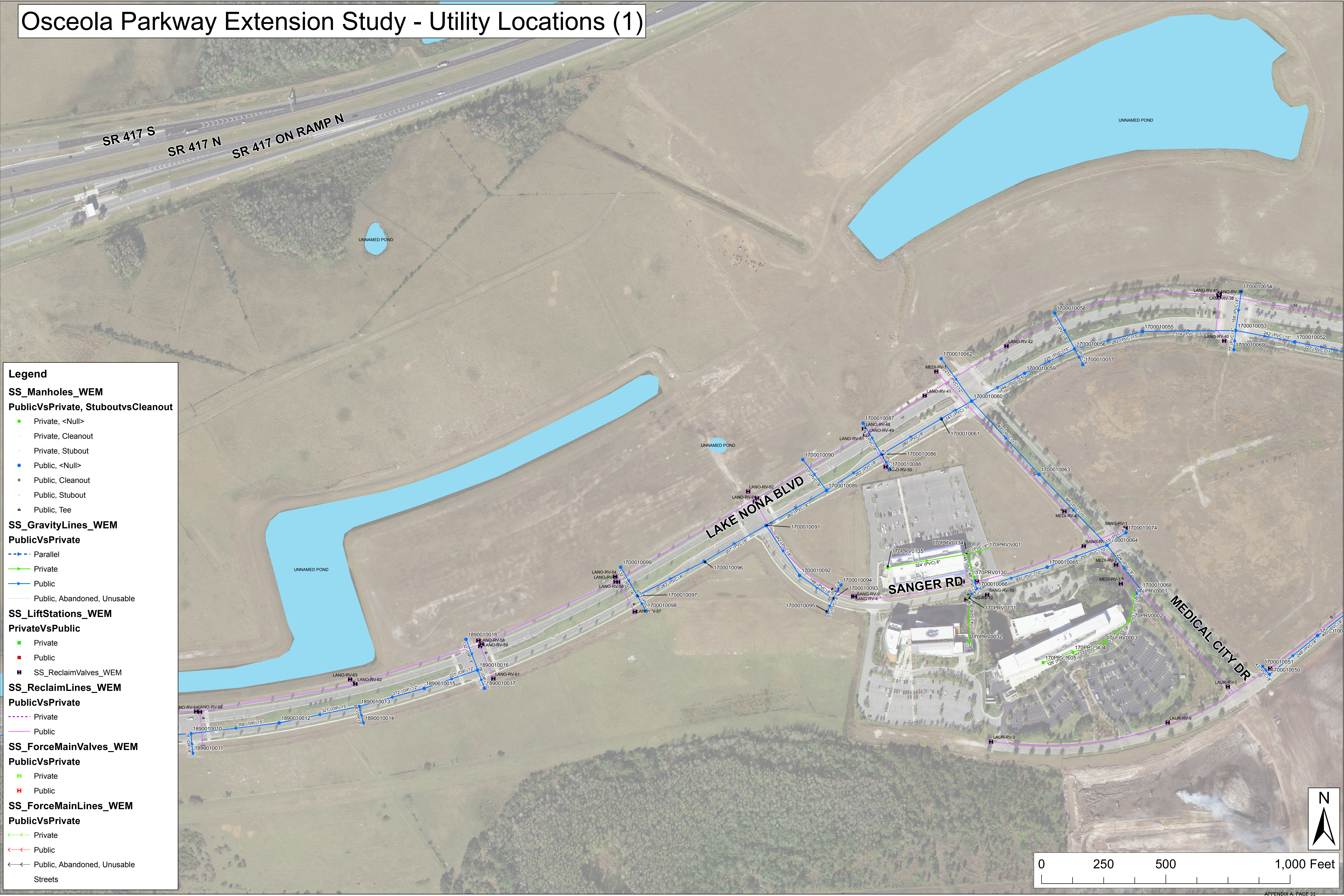
**SS\_ForceMainLines\_WEM**  
PublicVsPrivate

- Private
- Public
- Public, Abandoned, Unusable

**Streets**

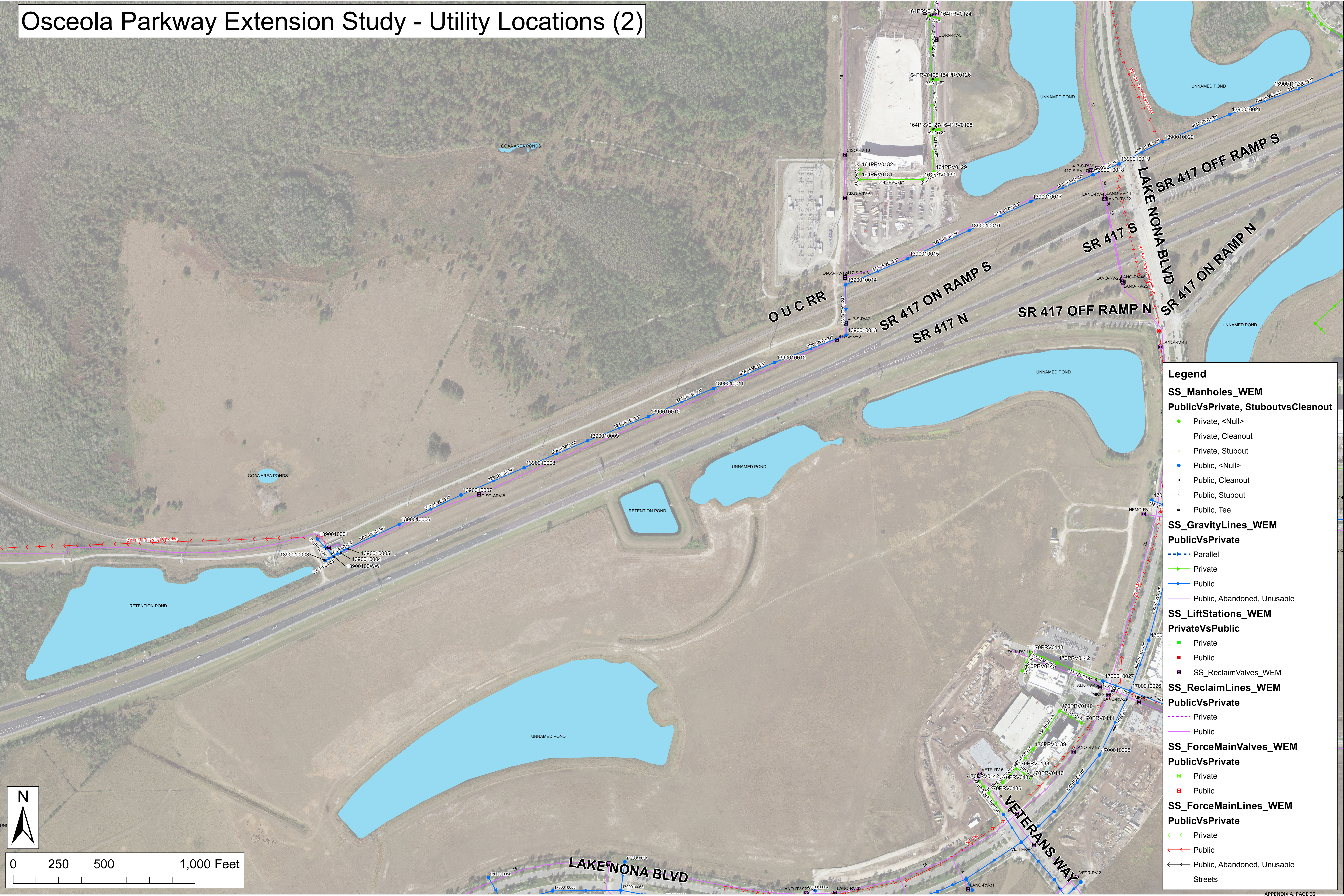
0 250 500 1,000 Feet

APPENDIX A - PAGE 33



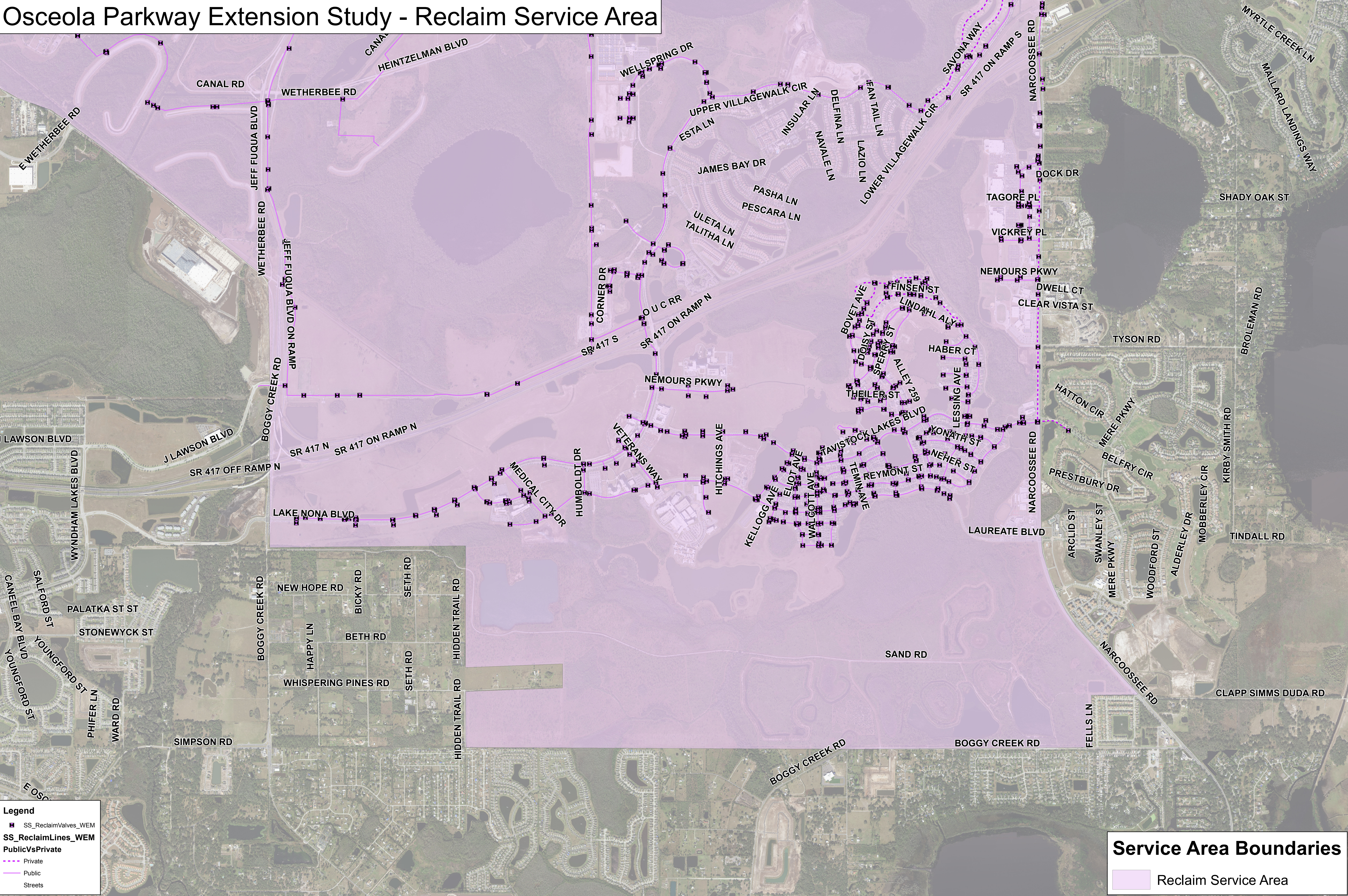


# Osceola Parkway Extension Study - Utility Locations (2)





# Osceola Parkway Extension Study - Reclaim Service Area





# Osceola Parkway Extension Study - Sanitary Service Area

**Legend**

**SS\_Manholes\_WEM**  
PublicVsPrivate, StuboutvsCleanout

Private, <Null>

Private, Cleanout

Private, Stubout

Public, <Null>

Public, Cleanout

Public, Stubout

Public, Tee

**SS\_GravityLines\_WEM**  
PublicVsPrivate

Parallel

Private

Public

Public, Abandoned, Unusable

**SS\_LiftStations\_WEM**  
PrivateVsPublic

Private

Public

**SS\_ForceMainValves\_WEM**  
PublicVsPrivate

Private

Public

**SS\_ForceMainLines\_WEM**  
PublicVsPrivate

Private

Public

Public, Abandoned, Unusable

Streets

**Service Area Boundaries**

Sanitary Sewer Service Area



## Armando Perez

---

**From:** Cameron Crandell <cameron.crandell@stcloud.org>  
**Sent:** Tuesday, October 9, 2018 10:46 AM  
**To:** Armando Perez  
**Cc:** Rick Mauro; Corey Clough  
**Subject:** RE: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Armando,

I represent the City of St. Cloud and I'll be providing the information you requested for your PD&E study.

The City does not have any utility conflicts with any of the Alternative routes shown in the KMZ file. The five routes shown are just outside the City's Utility Service Area.

Please let me know if you have any other questions.

Thank you,

Cameron Crandell, P.E.  
Engineer II  
City of St. Cloud  
Ph: 407-957-7279  
Fax: 407-957-7170

---

**From:** Rick Mauro  
**Sent:** Tuesday, October 9, 2018 7:53 AM  
**To:** Corey Clough; Cameron Crandell  
**Subject:** FW: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Could one of you two please respond to this request?

Thank you

---

**From:** Armando Perez [mailto:ATPerez@balmoralgroup.us]  
**Sent:** Monday, October 08, 2018 4:18 PM  
**To:** Rick Mauro  
**Subject:** [SUSPICIOUS ZIP FILE] - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello,

Per our discussion, the Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study Re-evaluation of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.

In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

Given the scope of the study, we identified a baseline of utility information (See Below). Please provide the information per corridor alternative. I also provided a pdf of adjacent and intersecting roadways per corridor alternative for your aid.

1. Type of utility
2. Facilities (Aerial and/or underground)
3. Number & Size of utility
4. Location with respect to Roadway (DOT, County, or private)
  - a. Road Name & Roadside (N,S,E,W)
    - i. Also provide begin & end within a reasonable range of the project area.
5. Location with respect to developments or undeveloped areas
  - a. Geographic coordinates (Easting and Northing) in line with utilities
6. Locations of easements or other lands of ownership rights

I am requesting at least one form of documentation as part of your review (Map, KMZ, shape file, mark-ups/sketches, etc.). In addition to the documentation I am requesting a rough cost estimate on a per mile basis for the relocation of the existing facilities as it relates to each corridor alternative. If the project area is outside of your utility service please respond in kind.

This information will need to be returned to me by **October 19<sup>th</sup>, 2018.**

Thank you for your cooperation. We will make sure the information, which you have provided, will be considered prior to establishing future corridor(s). Please feel free to contact me for additional information, or questions.

Thanks,

***Armando T Perez, E.I.***



165 Lincoln Avenue  
Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122



## Armando Perez

---

**From:** Rivera, Cesar <Cesar\_Rivera@comcast.com>  
**Sent:** Wednesday, October 17, 2018 6:31 PM  
**To:** Armando Perez  
**Cc:** [CENFLR-LAC Construction]  
**Subject:** RE: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate  
**Attachments:** Osceola Parkway\_Corridor Alternatives.kmz; COMCAST FACILITIES.KMZ; Rough cost estimate.pdf

Armando,

Here are my findings and a rough cost estimate as requested.

*Cesar Rivera  
Comcast  
Construction Specialist 2  
Orange, Osceola,  
Polk and Hillsborough County  
Office: 352-315-8528*



---

**From:** Armando Perez [mailto:ATPerez@balmoralgroup.us]  
**Sent:** Tuesday, October 9, 2018 3:32 PM  
**To:** [CENFLR-LAC Construction] <CENFLR-LAC\_Construction@comcast.com>  
**Subject:** [EXTERNAL] Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello,

I am reaching out to you because Comcast was a contact on a Sunshine Design Ticket.

The Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study Re-evaluation of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.

In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

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3. Number & Size of utility

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Thanks,

***Armando T Perez, E.I.***



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<b>2018 New Construction</b>	
<b>Project Name:</b>	<b>Osceola Parkway Extension</b>
<b>Date:</b>	<b>10/16/2018</b>
<b>Total Passings:</b>	<b>0</b>
<b>Total Miles:</b>	<b>7.88</b>
<b>BOM prepared by:</b>	<b>Cesar Rivera</b>

High level budgetary cost estimate only/not for construction.

	Amount	Tax & Freight = 12%	Total	Construction Costs	Aerial or Underground
Aerial Labor	\$265,500.00	0	\$265,500.00		
Duke Permitting	\$0.00	0	\$0.00		
Underground Labor	\$138,700.00	0	\$138,700.00	Design & Permit	\$40,420.00
Design & Permit	\$40,420.00	0	\$40,420.00	Hardware-Peds-Pipe	\$199,189.76
Electrical Labor	\$0.00	0	\$0.00	Fiber & Hardware	\$0.00
Installation Labor	\$0.00	0	\$0.00	Cable	\$0.00
Fiber Splicing	\$0.00	0	\$0.00	RF Elect. / Conn.	\$0.00
Coax Splicing	\$0.00	0	\$0.00		
Hardware-Peds-Pipe	\$177,848.00	\$21,341.76	\$199,189.76	Other (Installation Materials)	\$0.00
Coaxial Cable	\$0.00	\$0.00	\$0.00	Makeready	\$0.00
Fiber & Hardware	\$0.00	\$0.00	\$0.00	Contract Labor	\$404,200.00
Passives	\$0.00	\$0.00	\$0.00		
Connectors	\$0.00	\$0.00	\$0.00	Total Labor	\$444,620.00
Electronics	\$0.00	\$0.00	\$0.00	Total Material	\$199,189.76
Powering	\$0.00	\$0.00	\$0.00	Total IHCL	\$77,257.17
Drop Materials	\$0.00	\$0.00	\$0.00	Optical	\$33,173.63
			<b>\$643,809.76</b>	<b><u>Project Total Cost</u></b>	<b>\$754,240.56</b>



## Armando Perez

---

**From:** Godek, Rob M <Rob.M.Godek@centurylink.com>  
**Sent:** Friday, November 9, 2018 1:04 PM  
**To:** Armando Perez  
**Subject:** RE: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Armando,

Embarq Communications Inc (ECI) facilities are identified on the greenlines that you got from Terra Tech.

Thanks.  
-Rob

\*\*\*\*\*  
**Robert Godek**  
**Senior Engineer**  
**Orlando, FL**  
**CENTURYLINK COMMUNICATIONS LLC**  
**f/k/a Embarq Communications Inc (ECI)**  
**Office: (407) 830-3421**  
**Email: [Rob.M.Godek@centurylink.com](mailto:Rob.M.Godek@centurylink.com)**  
\*\*\*\*\*

*"Often when you think you're at the end of something,  
you're at the beginning of something else."  
-Fred Rogers*

---

**From:** Armando Perez <ATPerez@balmoralgroup.us>  
**Sent:** Friday, November 09, 2018 10:35 AM  
**To:** Godek, Rob M <Rob.M.Godek@centurylink.com>  
**Subject:** FW: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello Rob,

Per our discussion, I attached the maps sent by Terra Tech (representing Century Link). Please let me know if the information is accurate or if you have any additional information to add.

Thank you for your assistance.

Armando Perez

---

**From:** Armando Perez  
**Sent:** Monday, October 8, 2018 4:19 PM  
**To:** 'rob.m.godek@centurylink.com' <[rob.m.godek@centurylink.com](mailto:rob.m.godek@centurylink.com)>  
**Subject:** Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello Rob,

Per our discussion, the Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study Re-evaluation of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.

In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

Given the scope of the study, we identified a baseline of utility information (See Below). Please provide the information per corridor alternative. I also provided a pdf of adjacent and intersecting roadways per corridor alternative for your aid.

1. Type of utility
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I am requesting at least one form of documentation as part of your review (Map, KMZ, shape file, mark-ups/sketches, etc.). In addition to the documentation I am requesting a rough cost estimate on a per mile basis for the relocation of the existing facilities as it relates to each corridor alternative. If the project area is outside of your utility service please respond in kind.

This information will need to be returned to me by **October 19<sup>th</sup>, 2018.**

Thank you for your cooperation. We will make sure the information, which you have provided, will be considered prior to establishing future corridor(s). Please feel free to contact me for additional information, or questions.

Thanks,

***Armando T Perez, E.I.***



165 Lincoln Avenue  
Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122

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## Armando Perez

---

**From:** Walter Sancho-Davila <walter.sancho-davila@hotwirecommunication.com>  
**Sent:** Tuesday, October 9, 2018 9:29 AM  
**To:** Armando Perez  
**Subject:** RE: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Good morning Armando,

We have no facilities in this area, therefore, there are no conflicts with your project. Please, accept this email as our official response to your request.

Please, keep us informed for future updates of this project.

Thank you

**Walter Sancho-Davila** | Project Manager | OSP Engineering

Office: 954.699.0900

Cell: 954.248.7396

[walter.sancho-davila@hotwirecommunication.com](mailto:walter.sancho-davila@hotwirecommunication.com)



2100 W Cypress Creek Rd  
Fort Lauderdale, FL 33309

**CORPORATE SITE:** [www.hotwirecommunications.com](http://www.hotwirecommunications.com)

**CUSTOMER SITE:** [www.gethotwired.com](http://www.gethotwired.com)

[Hotwire's BBB Rating](#)

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---

**From:** Armando Perez [mailto:ATPerez@balmoralgroup.us]  
**Sent:** Monday, October 08, 2018 4:20 PM  
**To:** Walter Sancho-Davila  
**Subject:** Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello Walter,

Per our discussion, the Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study Re-evaluation of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.



In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

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Thanks,

***Armando T Perez, E.I.***



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Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122

## Armando Perez

---

**From:** Jack Lott <Jack.Lott@OSCEOLA.ORG>  
**Sent:** Tuesday, November 13, 2018 8:26 AM  
**To:** Armando Perez  
**Cc:** Gary Yeager  
**Subject:** RE: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello Armando,  
After reviewing your KMZ file and going over your letter of locations we have determined we have no ATMS fiber optic utilities in the area. There is traffic signal communication cable at the intersection of Simpson Rd @ Boggy Creek Rd. These utilities are located by Osceola County after a locate ticket is submitted to Sunshine 811 locate service. Sorry for the delay in response time it unfortunately got over looked. If you have any other question feel free to ask.

Thanks again,

Jack Lott, Supervisor  
Osceola County Traffic Operations  
407-742-7534  
Jack.Lott@osceola.org

---

**From:** Armando Perez [mailto:ATPerez@balmoralgroup.us]  
**Sent:** Friday, November 9, 2018 11:31 AM  
**To:** Jack Lott  
**Subject:** FW: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello Jack,

I am following up from my previous email, as well as my voice message today (11/9/2018). We have yet to receive Plan sheets from our consultant but I strung together Snip Its from Google Earth to aid you. Please let me know if you have any questions or need additional information. My contact is in the email thread below.

Thanks  
Armando Perez

---

**From:** Armando Perez  
**Sent:** Monday, October 8, 2018 4:28 PM  
**To:** 'Jack.lott@osceola.org' <[Jack.lott@osceola.org](mailto:Jack.lott@osceola.org)>  
**Subject:** Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello Jack,

Per our discussion, the Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study Re-evaluation of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.

In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

Given the scope of the study, we identified a baseline of utility information (See Below). Please provide the information per corridor alternative. I also provided a pdf of adjacent and intersecting roadways per corridor alternative for your aid.

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I am requesting at least one form of documentation as part of your review (Map, KMZ, shape file, mark-ups/sketches, etc.). In addition to the documentation I am requesting a rough cost estimate on a per mile basis for the relocation of the existing facilities as it relates to each corridor alternative. If the project area is outside of your utility service please respond in kind.

This information will need to be returned to me by **October 19<sup>th</sup>, 2018.**

Thank you for your cooperation. We will make sure the information, which you have provided, will be considered prior to establishing future corridor(s). Please feel free to contact me for additional information, or questions.

Thanks,

***Armando T Perez, E.I.***



165 Lincoln Avenue  
Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122

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Please Note: Florida has a very broad Public Records Law. E-mails to this entity or its employees may be considered a public record. Your e-mail communication, including your email address may be disclosed to the public and media at any time.







## Armando Perez

---

**From:** Baker, Jon [CTO] <Jon.Baker@sprint.com>  
**Sent:** Monday, October 29, 2018 9:37 AM  
**To:** Armando Perez  
**Subject:** RE: Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate  
**Attachments:** \_2018\_ Response\_Letter.doc

Please see attached, Sprint has no facilities at these locations.

### Jon Baker

Network Engineer II/OSP – East  
360 South Lake Destiny, Suite A  
Orlando, Florida 32810  
O: 321-280-9596 / M: 352-409-5095  
[Jon.Baker@sprint.com](mailto:Jon.Baker@sprint.com)



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---

**From:** Armando Perez <ATPerez@balmoralgroup.us>  
**Sent:** Monday, October 8, 2018 4:29 PM  
**To:** Baker, Jon [CTO] <Jon.Baker@sprint.com>  
**Subject:** Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Jon,

Per our discussion, the Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study Re-evaluation of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.



In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

Given the scope of the study, we identified a baseline of utility information (See Below). Please provide the information per corridor alternative. I also provided a pdf of adjacent and intersecting roadways per corridor alternative for your aid.

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This information will need to be returned to me by **October 19<sup>th</sup>, 2018.**

Thank you for your cooperation. We will make sure the information, which you have provided, will be considered prior to establishing future corridor(s). Please feel free to contact me for additional information, or questions.

Thanks,

***Armando T Perez, E.I.***



165 Lincoln Avenue  
Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122





Sprint Communications Company, L.P.  
360 South Lake Destiny Dr. Suite A  
Orlando, Florida 32810

**Date:** December 12, 2018

**Attn:** Alan Boaz

**Project Location:** Palm Beach County, FL.

**Project Re:** FDOT Bridge Crossings

- ☐ Sprint Communications Company has facilities in the area of your proposed construction that do not appear to be in conflict. Please maintain caution when working near our facilities. If facilities are damaged please call 1-800-435-4770 immediately.
- ☐ Sprint Communications Company has facilities in the area of your proposed construction, which do appear to be in conflict. Please see the attached as-builts and resubmit updated plans for review.
- ☐ Sprint Communications Company has facilities in the area of your proposed construction, which may have potential conflicts. Once we have received preliminary plans, we will then be able to provide you with green line mark-ups for your reference and review.
- ☐ Sprint Communications Company facilities have been constructed on private property and/or public right of Way with the authorization of the applicable property owner. Accordingly, Sprint Communications Company anticipates full reimbursement of all costs associated with the adjustment and/or relocation of its Facilities prior to Sprint Communications Company performance of any work.
- ☒ Sprint Communication Company does not have facilities in your proposed construction area.

**Please contact Sunshine State One Call, Inc. at least 48 hours prior to construction service by calling toll free 1-800-432-4770.**

The Facilities Engineer contact is Jon Baker (321) 280-9596 / [Jon.Baker@Sprint.com](mailto:Jon.Baker@Sprint.com) for the above mentioned project if you should have any questions for them.

Thank you for your cooperation.

---

Jon A. Baker  
Facilities Engineer II



## Armando Perez

---

**From:** Armando Perez  
**Sent:** Thursday, October 18, 2018 3:35 PM  
**To:** 'Winsor, Shawn'; Domning, Joan  
**Subject:** RE: Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello Shawn,

Thank you for the information. Given the current scope of our study that estimate will work.

However, as we further our effort in the study could I reach out to you for a more detailed estimate?

Thanks again,  
Armando Perez

P.S. Thank you Joan for forwarding my information, and for all your help thus far.

---

**From:** Winsor, Shawn <SWinsor@tecoenergy.com>  
**Sent:** Thursday, October 18, 2018 2:40 PM  
**To:** Domning, Joan <JDomning@tecoenergy.com>  
**Cc:** Armando Perez <ATPerez@balmoralgroup.us>  
**Subject:** RE: Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Armando,

There are so many different variables that go into each individual projects. I would plus or minus \$247 a foot.

**Shawn Winsor**  
Gas Design / Project Manager  
600 West Robinson St.  
Orlando, Fl. 32801  
Office: 407-420-6663  
[swinsor@tecoenergy.com](mailto:swinsor@tecoenergy.com)



---

**From:** Domning, Joan  
**Sent:** Thursday, October 18, 2018 9:27 AM  
**To:** Winsor, Shawn <[SWinsor@tecoenergy.com](mailto:SWinsor@tecoenergy.com)>  
**Cc:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>  
**Subject:** FW: Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate



Hello Armando,  
I am forwarding this request to Shawn Winsor in our Orlando office, he is a gas design specialist.  
He would be the person who can calculate costs.

Good Morning Shawn,  
Can you provide him the cost to relocate utilities per mile. Attached is a map I gave him with the area he is referring to.  
Thank you,

Joan Domning  
Administrative Specialist  
Peoples Gas  
Distribution Engineering  
8416 Palm River Road  
Tampa, FL 33619  
Office: 813-275-3783  
Ext. 53783



---

**From:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>  
**Sent:** Thursday, October 18, 2018 9:02 AM  
**To:** Domning, Joan <[JDomning@tecoenergy.com](mailto:JDomning@tecoenergy.com)>  
**Subject:** RE: Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Joan,

I attached the document you sent. The potential utility impact area would be along SR 417 including the area in which it crosses SR 417.

Let me know if you need additional information.

Thanks  
Armando

---

**From:** Domning, Joan <[JDomning@tecoenergy.com](mailto:JDomning@tecoenergy.com)>  
**Sent:** Thursday, October 18, 2018 8:51 AM  
**To:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>  
**Subject:** RE: Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate



Armando, Can you send me the email with the map I sent you. I have deleted the email.  
Also is this a commercial or residential property?  
Joan

---

**From:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>  
**Sent:** Thursday, October 18, 2018 8:37 AM  
**To:** Domning, Joan <[JDomning@tecoenergy.com](mailto:JDomning@tecoenergy.com)>  
**Subject:** RE: Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Good Morning Joan,

My apologies for the late response. Your email bypassed my inbox and into another folder. Your map and information are really helpful.

I was curious if you have a rough relocation cost on a per mile basis for your utilities?

Thank you again for your assistance.

Armando Perez

---

**From:** Domning, Joan <[JDomning@tecoenergy.com](mailto:JDomning@tecoenergy.com)>  
**Sent:** Thursday, October 11, 2018 11:15 AM  
**To:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>  
**Subject:** RE: Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Armando,  
Your map worked out great. We only have one area where are facilities are in your project area. I have attached a map for you. The rest of the area is free and clear of any of our facilities.

Thank you,  
Joan

---

**From:** Armando Perez <[ATPerez@balmoralgroup.us](mailto:ATPerez@balmoralgroup.us)>  
**Sent:** Thursday, October 11, 2018 10:45 AM  
**To:** Domning, Joan <[JDomning@tecoenergy.com](mailto:JDomning@tecoenergy.com)>  
**Subject:** RE: Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

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Good Morning Joan,



Per our discussion, I attached a pdf showing the series of corridor alternatives from google earth. I hope this is helpful.

Please let me know if you have any questions.

Thanks,  
Armando

---

**From:** Armando Perez

**Sent:** Monday, October 8, 2018 4:50 PM

**To:** 'jdomning@tecoenergy.com' <[jdomning@tecoenergy.com](mailto:jdomning@tecoenergy.com)>

**Subject:** Design Ticket 276804053 (Orange County) & Design Ticket 276805367 (Osceola County) - Osceola Parkway Extension PD&E Study Re-Evaluation - Utility Identification/ Locate

Hello Joan,

Per our discussion, the Balmoral Group has been selected to represent the Central Florida Expressway Authority in a PD&E Study Re-evaluation of Osceola Parkway Extension East of Boggy Creek. Please address all correspondence, verbal and written to the Balmoral Group.

In an effort to better coordinate the selection of corridor alternatives and their impacts on utilities, I am providing a KMZ file of the project area (see attached) for your review. I color coded the corridor alternatives in order to simplify the utility identification & locate process.

Given the scope of the study, we identified a baseline of utility information (See Below). Please provide the information per corridor alternative. I also provided a pdf of adjacent and intersecting roadways per corridor alternative for your aid.

1. Type of utility
2. Facilities (Aerial and/or underground)
3. Number & Size of utility
4. Location with respect to Roadway (DOT, County, or private)
  - a. Road Name & Roadside (N,S,E,W)
    - i. Also provide begin & end within a reasonable range of the project area.
5. Location with respect to developments or undeveloped areas
  - a. Geographic coordinates (Easting and Northing) in line with utilities
6. Locations of easements or other lands of ownership rights

I am requesting at least one form of documentation as part of your review (Map, KMZ, shape file, mark-ups/sketches, etc.). In addition to the documentation I am requesting a rough cost estimate on a per mile basis for the relocation of the existing facilities as it relates to each corridor alternative. If the project area is outside of your utility service please respond in kind.

This information will need to be returned to me by **October 19<sup>th</sup>, 2018**.

Thank you for your cooperation. We will make sure the information, which you have provided, will be considered prior to establishing future corridor(s). Please feel free to contact me for additional information, or questions.

Thanks,

***Armando T Perez, E.I.***



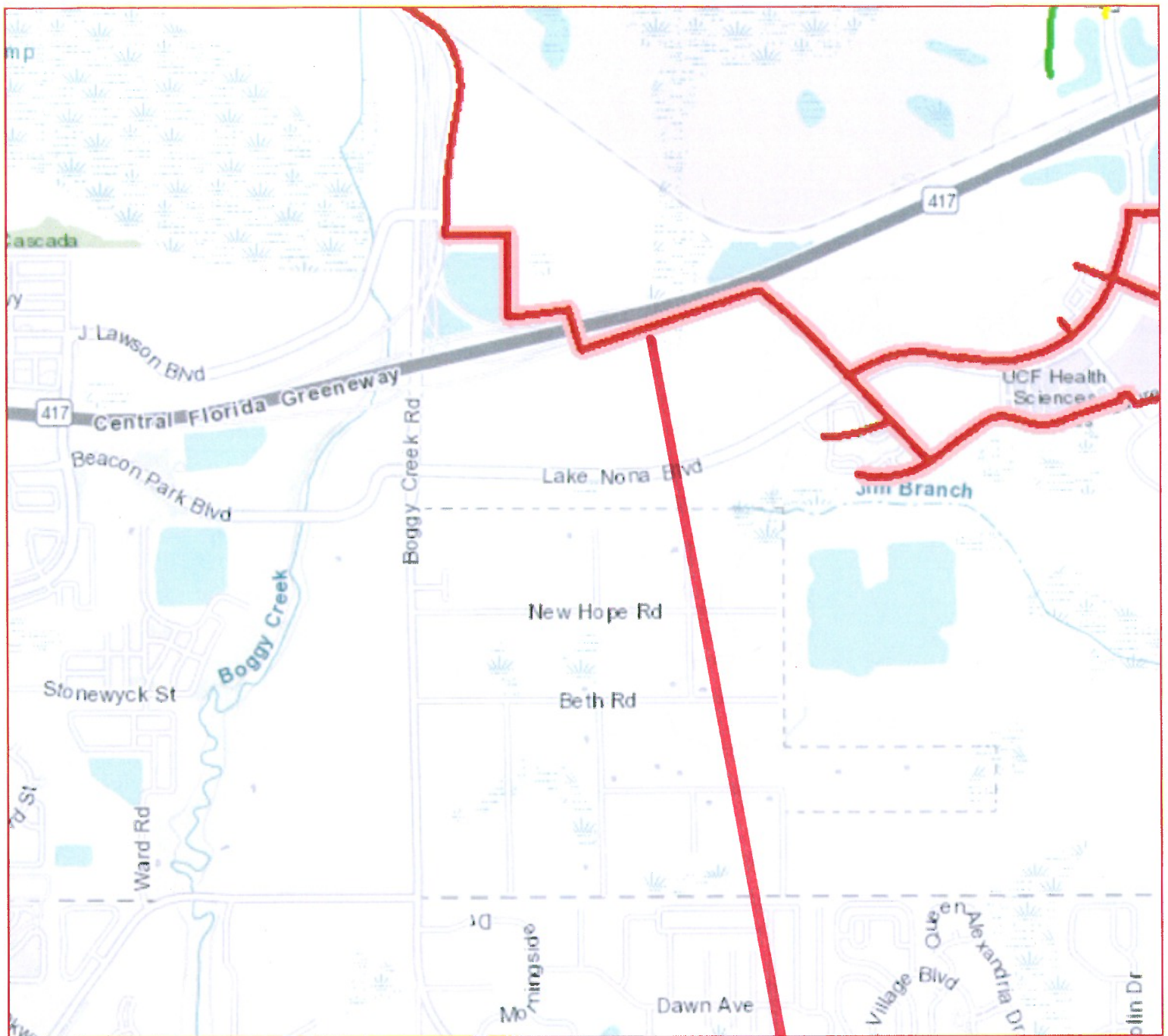


165 Lincoln Avenue  
Winter Park, FL 32789  
<https://www.balmoralgroup.us/>  
O: 407.629.2185 ext 122

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Joan Domning/Admin Specialist  
TECO-PGS Distribution Engineering  
8416 Palm River Rd. Tampa, FL 33619  
# 813-275-3783

6" coated steel/Epoxy  
Gasline.



## Armando Perez

---

**From:** Calvin Carrero <ccarrero@tohowater.com>  
**Sent:** Wednesday, October 24, 2018 4:10 PM  
**To:** Armando Perez  
**Subject:** Osceola Parkway Extension Project  
**Attachments:** Osceola Parkway Extension Map 3.pdf; Osceola Parkway Extension Map 2.pdf; Osceola Parkway Extension Map 1.pdf

Good afternoon Armando,

I have attached the requested information for the Osceola Parkway Extension Project. If you Have any questions please feel free to reach out to me.

*Thank You,*

*Calvin Carrero*

*Engineering Technician*

Toho Water Authority

951 Martin Luther King Blvd. | Kissimmee, FL 34741 | [www.tohowater.com](http://www.tohowater.com)

Telephone: (407) 944-5044

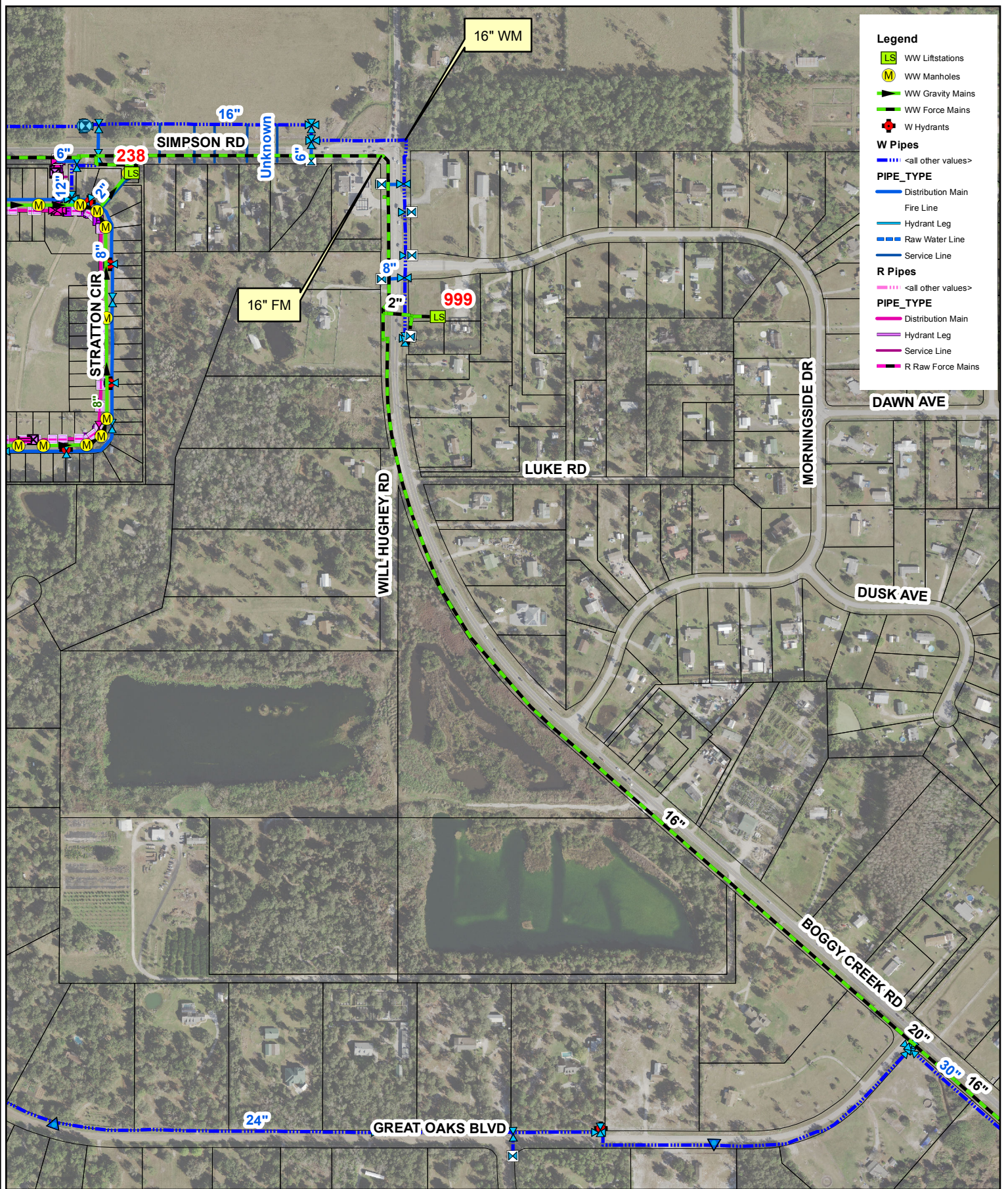
Email: [ccarrero@tohowater.com](mailto:ccarrero@tohowater.com)



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**Legend**

- LS WW Liftstations
- M WW Manholes
- WW Gravity Mains
- WW Force Mains
- W Hydrants

**W Pipes**

- <all other values>

**PIPE\_TYPE**

- Distribution Main
- Fire Line
- Hydrant Leg
- Raw Water Line
- Service Line

**R Pipes**

- <all other values>

**PIPE\_TYPE**

- Distribution Main
- Hydrant Leg
- Service Line
- R Raw Force Mains



1 inch = 500 feet

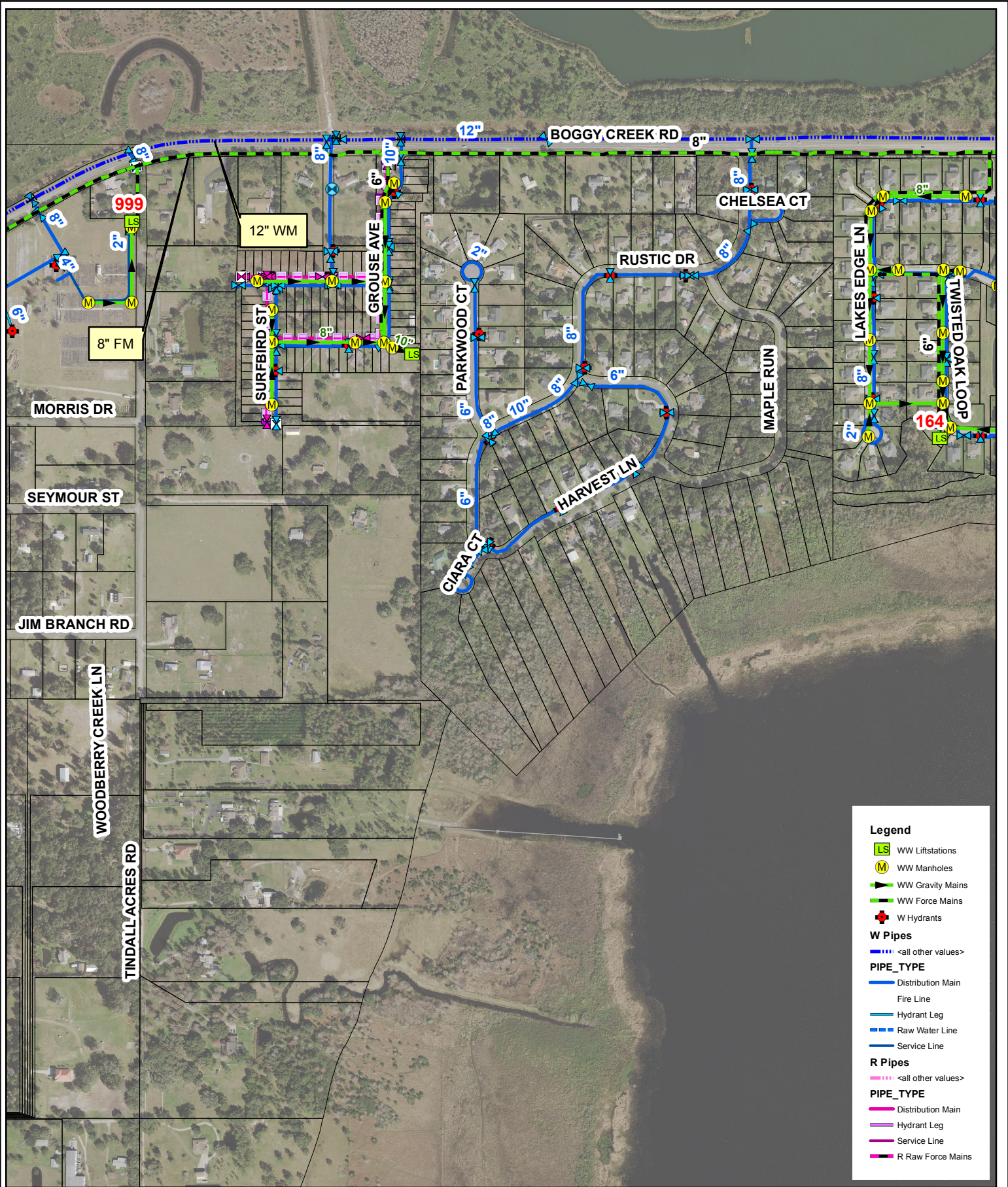
### Osceola Parkway Extension

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12/31/2015 at 10:40:31 AM  
PRODUCED BY: Mike







- Legend**
- LS WW Liftstations
  - M WW Manholes
  - WW Gravity Mains
  - WW Force Mains
  - + W Hydrants
- W Pipes**
- <all other values>
- PIPE\_TYPE**
- Distribution Main
  - Fire Line
  - Hydrant Leg
  - Raw Water Line
  - Service Line
- R Pipes**
- <all other values>
- PIPE\_TYPE**
- Distribution Main
  - Hydrant Leg
  - Service Line
  - R Raw Force Mains



## Osceola Parkway Extension

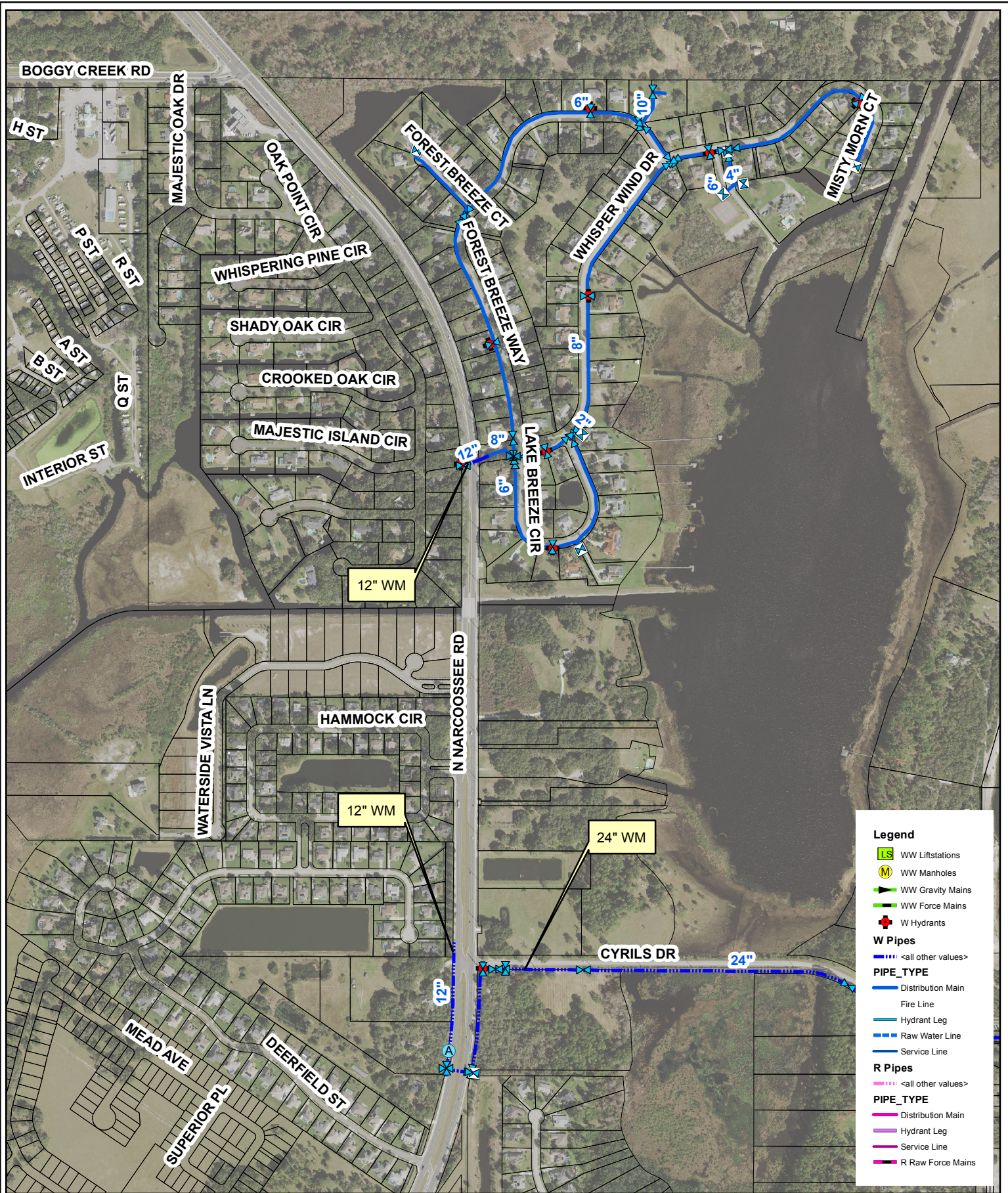
1 inch = 600 feet

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12/31/2015 at 10:40:31 AM  
PRODUCED BY: Mike







**Legend**

**LS** WW Liftstations  
**M** WW Manholes  
 WW Gravity Mains  
 WW Force Mains  
 W Hydrants

**W Pipes**  
 <all other values>  
**PIPE\_TYPE**  
 Distribution Main  
 Fire Line  
 Hydrant Leg  
 Raw Water Line  
 Service Line

**R Pipes**  
 <all other values>  
**PIPE\_TYPE**  
 Distribution Main  
 Hydrant Leg  
 Service Line  
 R Raw Force Mains



# Osceola Parkway Extension

1 inch = 700 feet

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 PRODUCED BY: Mike





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## **APPENDIX B**

**Utility Assessment Package, September 2016**

---



# **DRAFT – Utility Assessment Package**

*for*

## **Project Development and Environment (PD&E) Study**

Osceola Parkway Extension and Two-Mile Extension  
(FPID: 432134-1-22-01 and FPID: 432134-2-22-01)

Osceola and Orange Counties, Florida

**ETDM No. 13789**

*Prepared for:*



September 2016



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## **TABLE OF CONTENTS**

	<b><u>PAGE</u></b>
1.0 INTRODUCTION .....	3
1.1 PURPOSE OF UTILITIES ASSESSMENT PACKAGE .....	3
1.2 EXISTING ROADWAY FACILITIES.....	3
1.3 PROPOSED ROADWAY IMPROVEMENTS .....	4
1.3.1 Western Segment .....	4
1.3.2 Central Segment .....	7
1.3.3 Eastern Segment .....	8
2.0 EXISTING UTILITIES.....	9
2.1 UTILITY OWNERS/PROVIDERS .....	9
3.0 UTILITY MITIGATION AND COST .....	12

### **FIGURES**

Figure 1: Project Area .....	4
Figure 2: General Western Segment Typical Section .....	5
Figure 3: Western Segment Non-Expressway Typical Section.....	5
Figure 4: Western Segment Boggy Creek Road Typical Section.....	6
Figure 5: Central Segment Typical Section .....	7
Figure 6: Eastern Segment Typical Section.....	8
Figure 7: Eastern Segment Reduced Width Typical Section.....	8

### **TABLES**

Table 1 Summary of Utility Contact Information .....	10
Table 2 Existing Utilities and Estimated Relocation Costs.....	11

### **APPENDICES**

Appendix 1	Utility Contact Letters
Appendix 2	Utility Responses
Appendix 3	PD&E Project Recommended Alternative Plan Sheets



## **1.0 INTRODUCTION**

The Osceola Parkway Extension PD&E Study addresses new roadway capacity, east of Osceola Parkway to the proposed Northeast Connector Expressway, a 2-mile extension east of the Northeast Connector Expressway, as well as an expressway connection to SR 417 in the vicinity of the existing Boggy Creek Road interchange with SR 417. The study area of this Project Development and Environment (PD&E) Study includes portions of Orange County and Osceola County, Florida. This study evaluated a new expressway which is part of the OCX 2040 Master Plan. The Osceola Parkway Extension (OPE) is approximately 12 miles in length.

### **1.1 Purpose of Utilities Assessment Package**

This utilities assessment package has been assembled to provide information on existing and planned utilities along potential Osceola Parkway alignments within the limits described above. This package contains information on the names of utility companies, aeriels denoting the location of major existing and proposed facilities, descriptions of the identified utilities, project coordination efforts, potential impacts, and information on the cost of relocation.

### **1.2 Existing Roadway Facilities**

There is a mixture of functionally classified roadways within the project study area. SR 417 is classified as an Urban Principal Arterial – Expressway. Urban principal arterials include Osceola Parkway, Simpson Road (east of Osceola Parkway), Orlando International Airport South Access Road, and Narcoossee Road. Minor arterials include Simpson Road (west of Osceola Parkway) and Boggy Creek Road in Orange County. Boggy Creek Road in Osceola County is a local roadway.

West of Simpson Road, Osceola Parkway is a four-lane divided roadway. The typical section for the Osceola Parkway mainline consists of four 12-foot lanes with a 46-foot median and sidewalks on both sides.

Simpson Road is currently a two-lane rural roadway which has been widened to multiple lanes through, or approaching, its intersections with Osceola Parkway and Boggy Creek Road. The typical section for the Simpson Road mainline consists of two 12-foot lanes. The County has prepared plans to widen Simpson Road to four 12-foot lanes with a median ranging from 34 to 46 feet.

Boggy Creek Road is a two-lane rural roadway which has been widened to multiple lanes through, or approaching, its intersections with SR 417, Lake Nona Boulevard, Simpson Road, and Narcoossee Road. Orange County has plans to widen Boggy Creek Road to four lanes from Simpson Road to Lake Nona Boulevard.

In Orange County, Narcoossee Road is a six-lane divided urban roadway. The typical section includes six 11-foot lanes, four-foot bike lanes in each direction, and a 17-foot median. In Osceola County, Narcoossee Road is a four-lane divided urban roadway. The



typical section includes four 12-foot lanes, four-foot bike lanes in each direction, and a 19.5 to 47-foot median.

The existing expressway typical section for SR 417 consists of four 12-foot-wide travel lanes separated by a 64-foot-wide grassed median. The inside shoulders are eight feet wide with four feet of pavement and four feet of sod. The typical section was developed to allow for future inside widening to six lanes with a 40-foot grassed median. Twelve-foot-wide outside shoulders comprised of ten feet of pavement and two feet of sod are provided. The limited access right-of-way width is 300 feet. Drainage is conveyed by roadside swales to stormwater ponds.



**Figure 1:** Project Area

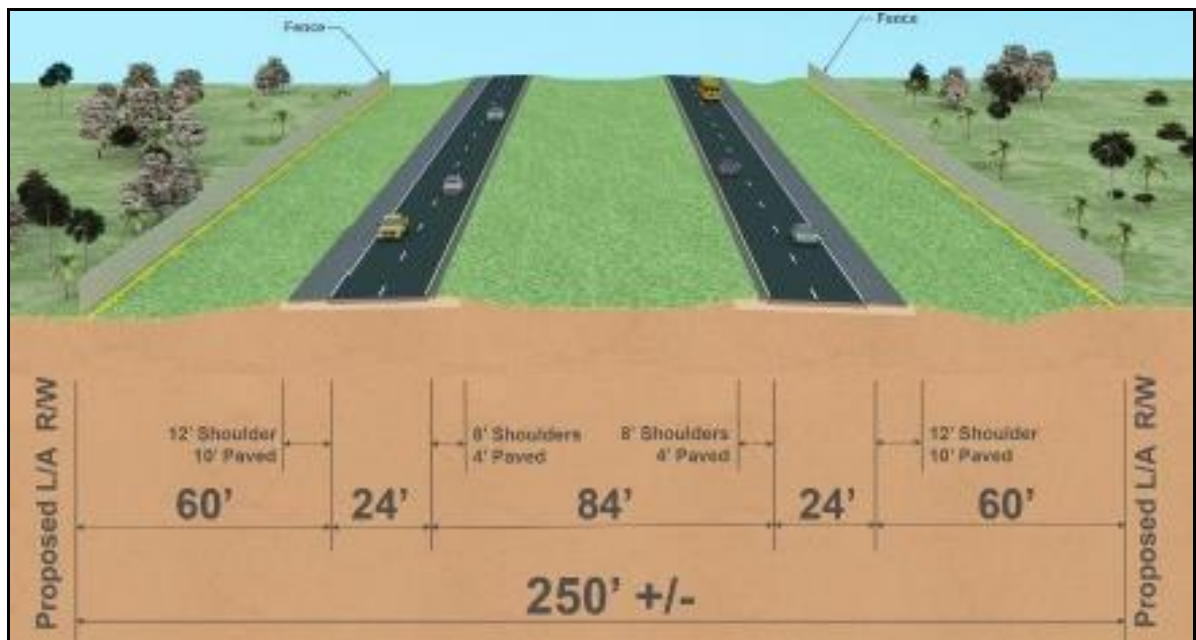
### 1.3 Proposed Roadway Improvements

As shown on **Figure 1**, the project is divided into three general segments: Western, Central, and Eastern. **Figures 2, 3, and 4** show the recommended typical sections for the Western Segment, **Figure 5** shows the typical section for the Central Segment, and **Figures 6 and 7** show the typical sections for the Eastern Segment.

#### 1.3.1 Western Segment

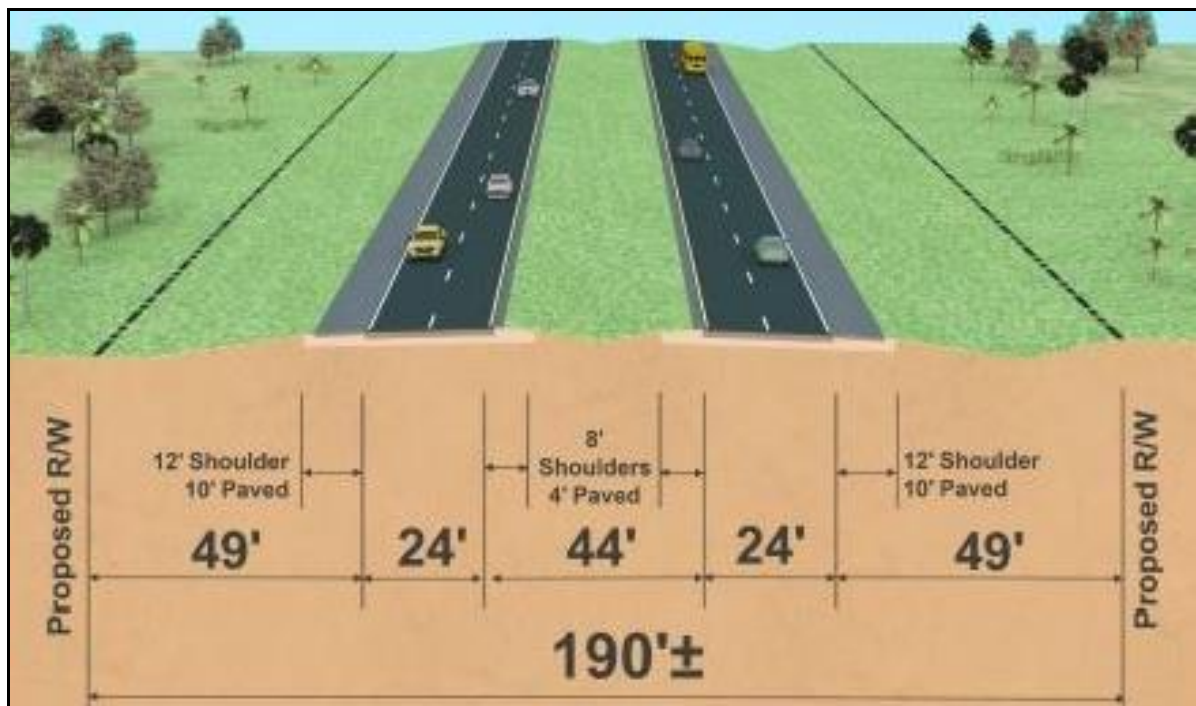
The typical section for the Western Segment is generally 252 feet wide consisting of two 12-foot lanes in each direction with an 84-foot median that can accommodate one additional lane in each direction (resulting in a 60-foot median) and 60 foot borders on each side (**Figure 2**).





**Figure 2:** General Western Segment Typical Section

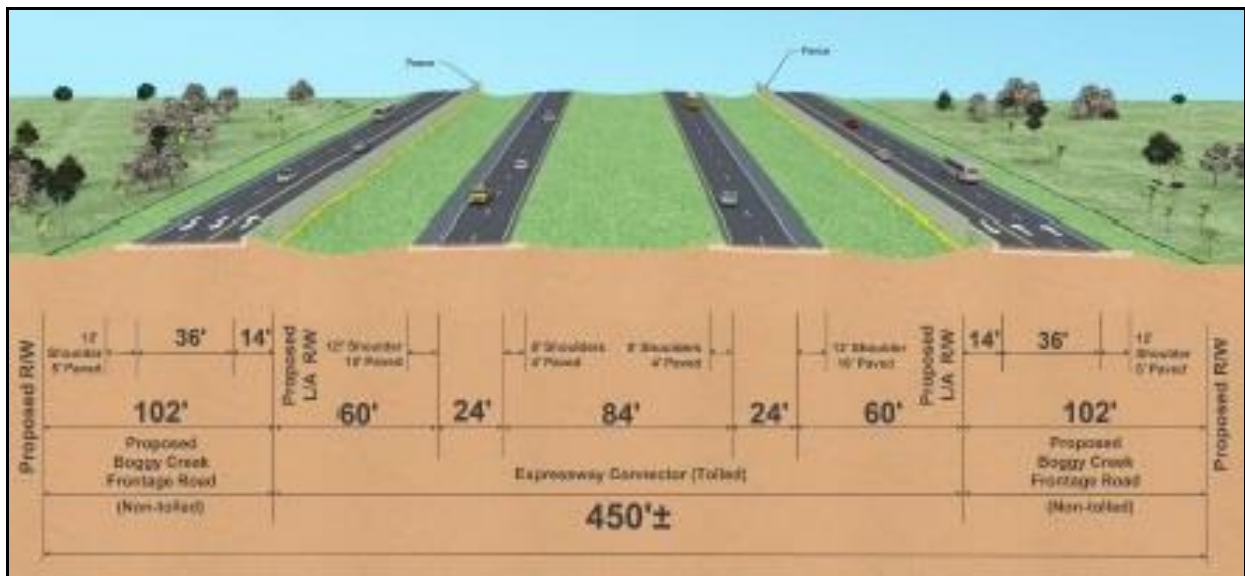
The typical section for the non-expressway portion of the Western Segment is 190 feet wide consisting of two 12-foot lanes in each direction with a 44-foot median that can accommodate one additional lane in each direction (resulting in a 20-foot median) and 49-foot borders on each side (Figure 3).



**Figure 3:** Western Segment Non-Expressway Typical Section



The typical section for the portion of the Western Segment calling for construction of the expressway in the median of Boggy Creek Road is 456 feet wide consisting of two 12-foot lanes in each direction with an 84-foot median that can accommodate one additional lane in each direction (resulting in a 60-foot median), 60-foot borders, and 102 feet to accommodate Boggy Creek Road on each side (**Figure 4**). The OCX will coordinate with adjacent land owners in an effort to accommodate transit and a multiuse trail outside the expressway right-of-way within the Western Segment.

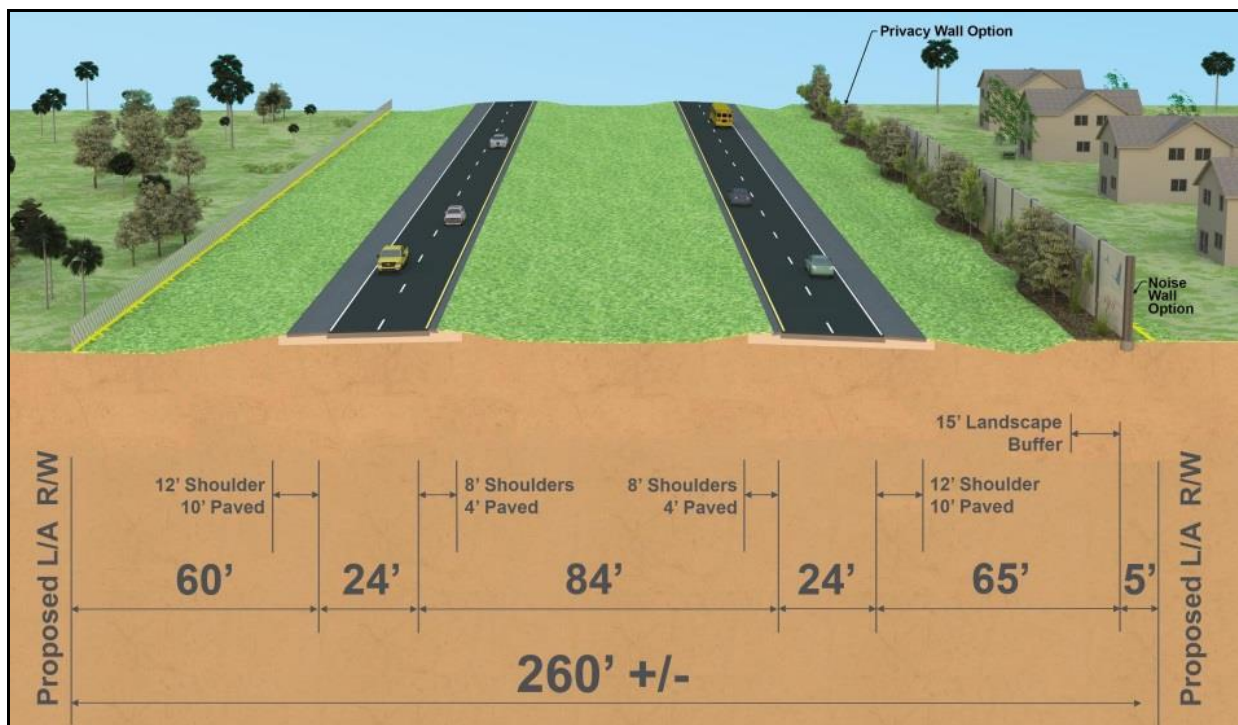


**Figure 4:** Western Segment Boggy Creek Road Typical Section



### 1.3.2 Central Segment

The typical section for the Central Segment is generally 257 feet wide consisting of two 12-foot lanes in each direction with an 84-foot median that can accommodate one additional lane in each direction (resulting in a 60-foot median) and 60-foot border on the left side and a 65-foot border on the right side (**Figure 5**). The additional five feet on the right side is to accommodate additional separation between the expressway and development on the south side of the expressway for enhanced landscaping. OCX will coordinate with appropriate agencies and adjacent land owners to accommodate transit and a multiuse trail outside the expressway right-of-way within the Central Segment.

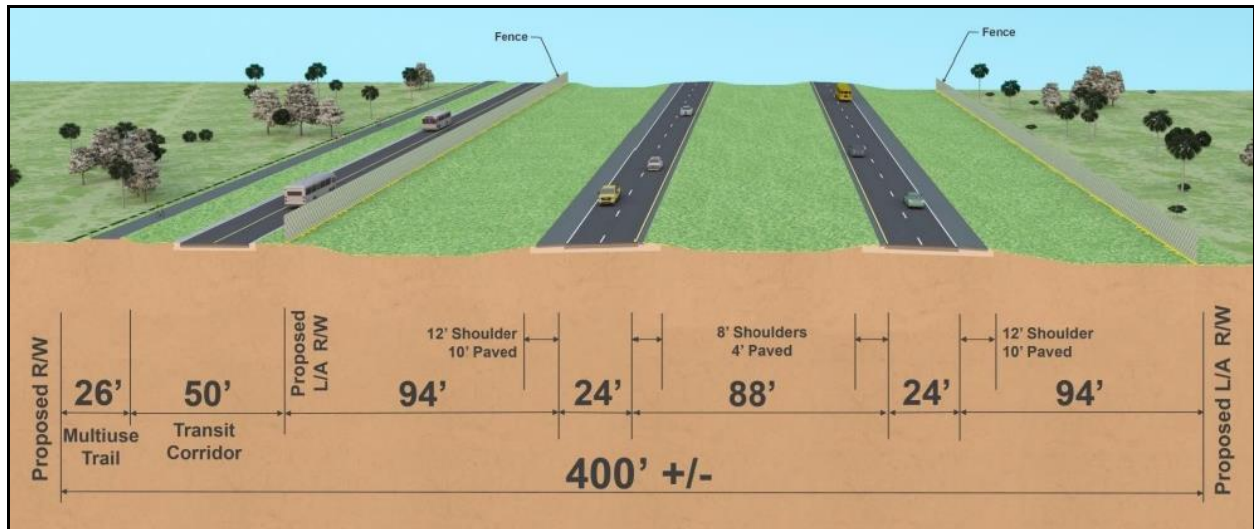


**Figure 5:** Central Segment Typical Section



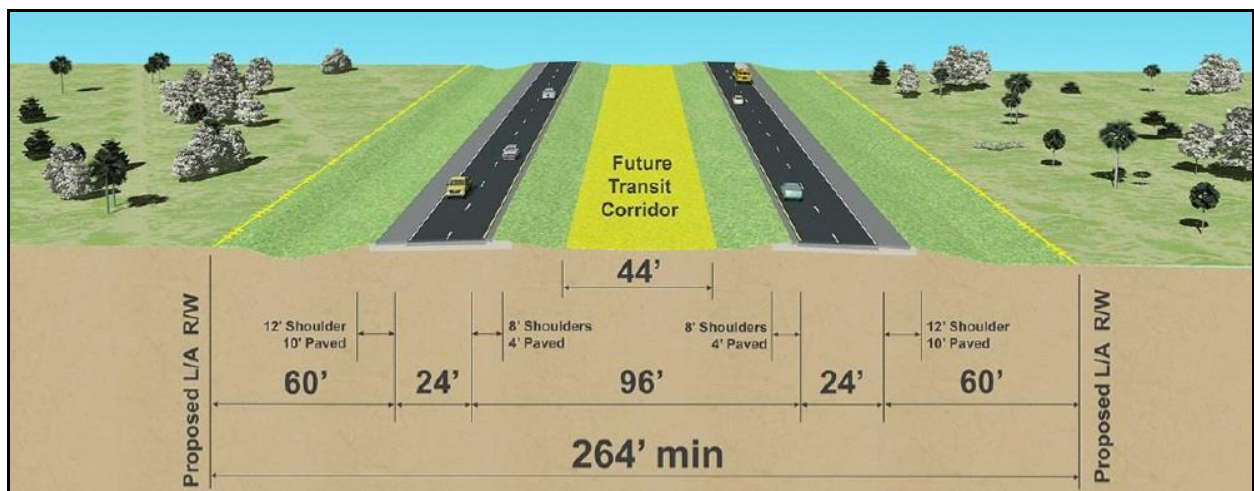
### 1.3.3 Eastern Segment

The initial typical section for the Eastern Segment is generally 400 feet wide consisting of two 12-foot lanes in each direction with an 88-foot median that can accommodate one additional lane in each direction (resulting in a 64-foot median), 94-foot borders on each side, a 50-foot transit corridor, and a 26-foot multiuse trail (Figure 6).



**Figure 6:** Eastern Segment Typical Section

To reduce impacts through Split Oak Forest, the typical section for the Eastern Segment was reduced to generally 264 feet wide consisting of two 12-foot lanes in each direction with a 96-foot median that can accommodate one additional lane in each direction and a 44-foot transit corridor and 60-foot borders on each side (Figure 7). OCX will coordinate with adjacent land owners in an effort to accommodate a multiuse trail outside the expressway right-of-way within the Eastern Segment.



**Figure 7:** Eastern Segment Reduced Width Typical Section



## **2.0 EXISTING UTILITIES**

The Utility Agency/Owners (UAOs) in the study area were determined using a variety of sources. First, a Sunshine 811 Design Ticket was made to identify the utility providers and operators registered with the locate service. Next, the project was visited and field investigations and observations were made. All above ground utility features, including poles, hydrants, valve boxes, and manholes, were noted and verified with the utility providers and operators during the coordination process for the project. The final source of data collection was from past FDOT and/or County plans along or adjacent to the Osceola Parkway Extension study area. The UAOs identified on the project are summarized in **Table 1**.

### **2.1 Utility Owners/Providers**

All of the utility providers and operators were contacted in July 2016 and were provided conceptual plans and alternatives for review. Copies of these coordination letters can be found in **Appendix 1**. Based on the conceptual plans, they were asked to assist in locating and identifying their existing and planned facilities within the area of study. They were also asked to provide an estimated cost for relocation of their facilities. Through mark-ups and/or verbal descriptions, most utility providers or operators provided information on the location and type of existing facilities and information on the planned facilities anticipated in the future. At the time of utility contact efforts, none of the UAOs indicated any future planned facilities or upgrades to existing facilities within the project limits. The responses from the utility providers are found in **Appendix 2**. A description of the existing facilities and associated relocation costs are outlined in **Table 2**.



**Table 1** Summary of Utility Contact Information

<b>Company</b>	<b>Contact</b>	<b>Email/Phone #</b>	<b>Facilities</b>
AT&T Dist.	Rich Mindrum	<a href="mailto:rx0819@att.com">rx0819@att.com</a> 321-695-6049	Aerial & Buried Cables
Bright House Networks	J.D. Smith	<a href="mailto:John.Smith5@charter.com">John.Smith5@charter.com</a> 407-532-8520	Aerial & Buried Cables
Century Link	Wade Rich	<a href="mailto:lindy.w.rich@centurylink.com">lindy.w.rich@centurylink.com</a> 407-814-5383	Fiber/Phone
City of St. Cloud	Kevin Felblinger	<a href="mailto:kfelblinger@stcloud.org">kfelblinger@stcloud.org</a> 407-957-7353	No Facilities
Comcast	Cesar Rivera	<a href="mailto:cesar_rivera@cable.comcast.com">cesar_rivera@cable.comcast.com</a> 407-849-3611	CATV
Duke Energy-Dist.	Aric L. Rogers	<a href="mailto:ARogers@ucseng.com">ARogers@ucseng.com</a> 813-909-1245	Dist. Electric
Duke Energy-Trans.	Jennifer Williams	<a href="mailto:peftransmissiongov@duke-energy.com">peftransmissiongov@duke-energy.com</a> (813) 909-1210	Trans. Electric
Hotwire Communications	Phil Gallub	<a href="mailto:pgallub@hotwiremail.com">pgallub@hotwiremail.com</a> 954-628-7021	Fiber/Phone
Orlando Telephone Company	Bill Lean	<a href="mailto:blean@summit-broadband.com">blean@summit-broadband.com</a> (407) 595-7329	Phone
Osceola County	Jack Lott	<a href="mailto:Jack.Lott@osceola.org">Jack.Lott@osceola.org</a> 407-742-7534	Traffic signal/Fiber
Orlando Utilities Commission	Rick Parker	<a href="mailto:rparker@ouc.com">rparker@ouc.com</a> 407-423-9100	Water/Electric
Sprint	Jon Baker	<a href="mailto:hummbing@mpinet.net">hummbing@mpinet.net</a>	Buried Fiber
Summit Broadband	Michelle Daniel	<a href="mailto:mdaniel@summit-broadband.com">mdaniel@summit-broadband.com</a> 407-996-1183	Buried Fiber
Toho Water	Robert Pelham	<a href="mailto:rpelham@tohowater.com">rpelham@tohowater.com</a> 407-944-5000	Water/Sewer



**Table 2** Existing Utilities and Estimated Relocation Costs

Company	Description	Relocation Cost
AT&T Dist.	FOC along the west side of Boggy Creek Rd. and copper BT along the east side of Boggy Creek Rd. Aerial FOC on the west side of Narcoossee Rd. and aerial copper along the east side of Narcoossee Rd. Buried copper along the south side of Clapp Simms Duda Rd.	\$220,000
Bright House Networks	Aerial and buried facilities along the west side of Boggy Creek Road. Aerial facilities along the east side of Narcoossee Rd and buried facilities along the west side of Narcoossee Rd.	\$60,000
Century Link	<b>No Response.</b>	TBD
City of St. Cloud	No Facilities.	\$0
Comcast	Buried fiber optic lines located along the west side of Boggy Creek Rd. starting from SR 417 to just south of New Hope Rd. where transitions to the east side of the road and continues to Simpson Rd.	\$20,000
Duke Energy-Dist.	Overhead and underground distribution electric along the west side of Boggy Creek Rd.	\$30,000
Duke Energy-Trans.	No Facilities	\$0
Hotwire Communications	<b>No Response.</b>	TBD
Orlando Telephone Company	<b>No Response.</b>	TBD
Osceola County	Signal equipment located at the intersection of Simpson Rd. and Boggy Creek Rd.	\$400,000
Orlando Utilities Commission	Transmission and distribution electric along the east side of Narcoossee Rd. and distribution electric along the south side of Clapp Simms Duda Rd.	\$220,000
Sprint	FOC along the north side of Boggy Creek Rd. FOC along the west side of Narcoossee Rd.	\$20,000
Summit Broadband	Buried FOC along the east side of Boggy Creek Rd.	\$20,000
Toho Water Authority	16" water main (dry line) and 16" force main at the intersection of Simpson Road and Boggy Creek Rd.	\$75,000



### **3.0 UTILITY MITIGATION AND COST**

Due to the nature of the existing conditions throughout the project corridor, it is anticipated that the Osceola Parkway Extension will impact a number of the existing utility facilities on the project. The project's extents, anticipated right-of-way acquisition, and related improvements are shown on the recommended alternative conceptual plans included in [Appendix 3](#). Since survey was not performed as a part of this evaluation study, UAOs could not provide an estimated schedule for performing their relocations without knowing the extent of the actual impacts. Mitigation measures should be taken during the design phase of the project to minimize impacts to the existing utilities to the fullest extent possible. If impacts are unavoidable, design alternatives should be reviewed to allow for relocation of impacted facilities in a manner that minimizes cost to the UAO and disruption to their customers.



## **Appendix 1**

### **Utility Contact Letters**

---

*September 2016*



**From:** David Ledgerwood  
**To:** ["rpelham@tohowater.com"](mailto:rpelham@tohowater.com); ["pgallub@hotmail.com"](mailto:pgallub@hotmail.com); ["blean@summit-broadband.com"](mailto:blean@summit-broadband.com); ["permit@summit-broadband.com"](mailto:permit@summit-broadband.com); ["lpares@ouc.com"](mailto:lpares@ouc.com); ["developmentsservices@ouc.com"](mailto:developmentsservices@ouc.com); ["rparker@ouc.com"](mailto:rparker@ouc.com); ["ar2916@att.com"](mailto:ar2916@att.com); ["cesar\\_Rivera@cable.comcast.com"](mailto:cesar_Rivera@cable.comcast.com); ["mark.d.caldwell@sprint.com"](mailto:mark.d.caldwell@sprint.com); ["lindy.w.rich@centurylink.com"](mailto:lindy.w.rich@centurylink.com)  
**Cc:** [David Graeber](mailto:David.Graeber@inwoodinc.com)  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal  
**Date:** Thursday, July 28, 2016 4:12:00 PM

---

All,

This email is a friendly reminder that mark-ups of existing facilities for this project are due next **Friday August 5<sup>th</sup>**. Please feel free to contact me if you have any questions regarding the project or if there is anything we can do to assist with preparing your mark-ups.

Thanks.

**David Ledgerwood, PE**

---

**INWOOD CONSULTING ENGINEERS**

Office: 407-971-8850

Direct: 407-205-1474

---

**From:** David Ledgerwood  
**Sent:** Monday, July 11, 2016 2:46 PM  
**To:** 'vmiller@stcloud.org' <vmiller@stcloud.org>; 'marvin.usry@mybriighthouse.com' <marvin.usry@mybriighthouse.com>; 'defdistributiongov@duke-energy.com' <defdistributiongov@duke-energy.com>; 'peftransmissiongov@duke-energy.com' <peftransmissiongov@duke-energy.com>; 'rpelham@tohowater.com' <rpelham@tohowater.com>; 'pgallub@hotmail.com' <pgallub@hotmail.com>; 'blean@summit-broadband.com' <blean@summit-broadband.com>; 'permit@summit-broadband.com' <permit@summit-broadband.com>; 'rfri@osceola.org' <rfri@osceola.org>; 'lpares@ouc.com' <lpares@ouc.com>; 'developmentsservices@ouc.com' <developmentsservices@ouc.com>; 'rparker@ouc.com' <rparker@ouc.com>; 'ar2916@att.com' <ar2916@att.com>; 'cesar\_Rivera@cable.comcast.com' <cesar\_Rivera@cable.comcast.com>; 'mark.d.caldwell@sprint.com' <mark.d.caldwell@sprint.com>; 'lindy.w.rich@centurylink.com' <lindy.w.rich@centurylink.com>  
**Cc:** David Graeber <dgraeber@inwoodinc.com>  
**Subject:** FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

**This contact is being done completely electronically, but if you need anything in a hard copy format or an electronic copy of the plans, please let me know.**

**FP ID: 321134-1-22-01 & 321134-2-22-01**

**SR: 417 (Osceola Parkway Extension)**

**County: Orange/Osceola**

**Description: PD&E Study of Osceola Parkway Extension East of Boggy Creek Road**

Inwood Consulting Engineers has been selected to represent the OCX in utility coordination between



the Expressway and your agency on the above referenced project. Please address all correspondence, verbal and written to Inwood.

In an effort to better coordinate the selection of corridor alternatives and their impact on utilities, I am providing for your review the corridor preliminary concept plans that are presently being considered by OCX. Pdf's of the concept plans are located on the Inwood ftp site under the "**Osceola Parkway Utilities**" folder for your use.

You can access the Inwood ftp site by clicking the following link:

<ftp://inwoodftp:ftpinwood@ftp2.inwoodinc.com/ftp>

If prompted, The Username is "**inwoodftp**", the Password is "**ftpinwood**", and the FTP Folder is "**ftp**".

I am requesting you to prepare a rough cost estimate on a per mile basis for the relocation of the existing facilities on the project. Also, please mark-up and return one (1) set of maps indicating the location, size and type, etc., of your existing and proposed facilities. The mark-up should also identify all known **EASEMENTS** or other lands of ownership rights.

In your correspondence to my office, please make reference to the FPID and description as listed above. This information will need to be returned by **August 5, 2016**.

Thank you for your cooperation. We will make sure the information, which you have furnished, will be considered prior to establishing future corridor(s). Please feel free to contact me should you have any questions regarding the project or need any additional information.

Thank you.

**David Ledgerwood, PE**

**PROJECT ENGINEER**

---

**INWOOD CONSULTING ENGINEERS**

3000 Dovera Dr., Suite 200, Oviedo, FL 32765

Office: 407-971-8850

Direct: 407-205-1474

Fax: 407-971-8955

[dledgerwood@inwoodinc.com](mailto:dledgerwood@inwoodinc.com)



## **Appendix 2**

### **Utility Responses**

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*September 2016*



## **City of St. Cloud**



**From:** [Kevin Felblinger](#)  
**To:** [David Ledgerwood](#)  
**Cc:** [Veronica Miller](#); [Andre Anderson](#); [Chris Fasnacht](#)  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal  
**Date:** Tuesday, July 12, 2016 9:20:03 AM

---

Mr. Ledgerwood:

Thank you for reaching out to the City of St. Cloud. The proposed roadway alignment is located outside of our utility service boundary.

Please let me know if you have any questions.

Thank you,

Kevin

***Kevin Felblinger, P.E., CFM***

Engineering Manager/City Engineer

1300 9th Street

Ph: 407-957-7353

Fax: 407-957-7170

---

**From:** Veronica Miller  
**Sent:** Monday, July 11, 2016 3:58 PM  
**To:** Andre Anderson; Kevin Felblinger; Chris Fasnacht  
**Subject:** FW: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

---

**From:** David Ledgerwood [<mailto:dledgerwood@inwoodinc.com>]  
**Sent:** Monday, July 11, 2016 2:46 PM  
**To:** Veronica Miller; [marvin.usry@mybriighthouse.com](mailto:marvin.usry@mybriighthouse.com); [deftdistributiongov@duke-energy.com](mailto:deftdistributiongov@duke-energy.com); [peftransmissiongov@duke-energy.com](mailto:peftransmissiongov@duke-energy.com); [rpelham@tohowater.com](mailto:rpelham@tohowater.com); [pgallub@hotmail.com](mailto:pgallub@hotmail.com); [blean@summit-broadband.com](mailto:blean@summit-broadband.com); [permit@summit-broadband.com](mailto:permit@summit-broadband.com); [rfri@osceola.org](mailto:rfri@osceola.org); [lpares@ouc.com](mailto:lpares@ouc.com); [developmentsservices@ouc.com](mailto:developmentsservices@ouc.com); [rparker@ouc.com](mailto:rparker@ouc.com); [ar2916@att.com](mailto:ar2916@att.com); [cesar\\_Rivera@cable.comcast.com](mailto:cesar_Rivera@cable.comcast.com); [mark.d.caldwell@sprint.com](mailto:mark.d.caldwell@sprint.com); [lindy.w.rich@centurylink.com](mailto:lindy.w.rich@centurylink.com)  
**Cc:** David Graeber  
**Subject:** FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

**This contact is being done completely electronically, but if you need anything in a hard copy format or an electronic copy of the plans, please let me know.**

**FP ID: 321134-1-22-01 & 321134-2-22-01**

**SR: 417 (Osceola Parkway Extension)**

**County: Orange/Osceola**

**Description: PD&E Study of Osceola Parkway Extension East of Boggy Creek Road**



Inwood Consulting Engineers has been selected to represent the OCX in utility coordination between the Expressway and your agency on the above referenced project. Please address all correspondence, verbal and written to Inwood.

In an effort to better coordinate the selection of corridor alternatives and their impact on utilities, I am providing for your review the corridor preliminary concept plans that are presently being considered by OCX. Pdf's of the concept plans are located on the Inwood ftp site under the "**Osceola Parkway Utilities**" folder for your use.

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<ftp://inwoodftp:ftpinwood@ftp2.inwoodinc.com/ftp>

If prompted, The Username is "**inwoodftp**", the Password is "**ftpinwood**", and the FTP Folder is "**ftp**".

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In your correspondence to my office, please make reference to the FPID and description as listed above. This information will need to be returned by **August 5, 2016**.

Thank you for your cooperation. We will make sure the information, which you have furnished, will be considered prior to establishing future corridor(s). Please feel free to contact me should you have any questions regarding the project or need any additional information.

Thank you.

**David Ledgerwood, PE**  
**PROJECT ENGINEER**

---

***INWOOD CONSULTING ENGINEERS***

3000 Dovera Dr., Suite 200, Oviedo, FL 32765

Office: 407-971-8850

Direct: 407-205-1474

Fax: 407-971-8955

[dledgerwood@inwoodinc.com](mailto:dledgerwood@inwoodinc.com)



## **Bright House Networks**



**From:** [Smith, John D](#)  
**To:** [David Ledgerwood](#)  
**Cc:** [Hudson, Todd S](#); [Usry Jr, Marvin L](#); [Smith, John D](#)  
**Subject:** Bright House Networks Response - RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal  
**Date:** Wednesday, July 13, 2016 12:19:30 PM  
**Attachments:** [image002.jpg](#)  
[BHN Green Line Mark Ups - Aerials.pdf](#)

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David

Please see attached. This is our existing green line mark-up as of today. I only marked the sheets that your proposed corridor conflicted with existing BHN facilities. I only included those sheets in this attachment.

If you have any questions please let me know. Thanks



**J.D. Smith "Smitty"** | Construction Engineer IV | o- 407.532.8520 c- 407.448.5513  
3767 All American Blvd | Orlando, FL 32810

---

**From:** Usry Jr, Marvin L  
**Sent:** Monday, July 11, 2016 2:59 PM  
**To:** Smith, Smitty; Hudson, Todd S  
**Cc:** David Ledgerwood  
**Subject:** FW: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

---

**From:** David Ledgerwood [<mailto:dledgerwood@inwoodinc.com>]  
**Sent:** Monday, July 11, 2016 2:46 PM  
**To:** [vmiller@stcloud.org](mailto:vmiller@stcloud.org); [marvin.usry@mybriighthouse.com](mailto:marvin.usry@mybriighthouse.com); [deftdistributiongov@duke-energy.com](mailto:deftdistributiongov@duke-energy.com); [pefttransmissiongov@duke-energy.com](mailto:pefttransmissiongov@duke-energy.com); [rpelham@tohowater.com](mailto:rpelham@tohowater.com); [pgallub@hotmail.com](mailto:pgallub@hotmail.com); [blean@summit-broadband.com](mailto:blean@summit-broadband.com); [permit@summit-broadband.com](mailto:permit@summit-broadband.com); [rfri@osceola.org](mailto:rfri@osceola.org); [lpares@ouc.com](mailto:lpares@ouc.com); [developmentsservices@ouc.com](mailto:developmentsservices@ouc.com); [rparker@ouc.com](mailto:rparker@ouc.com); [ar2916@att.com](mailto:ar2916@att.com); [cesar\\_Rivera@cable.comcast.com](mailto:cesar_Rivera@cable.comcast.com); [mark.d.caldwell@sprint.com](mailto:mark.d.caldwell@sprint.com); [lindy.w.rich@centurylink.com](mailto:lindy.w.rich@centurylink.com)  
**Cc:** David Graeber  
**Subject:** FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

**This contact is being done completely electronically, but if you need anything in a hard copy format or an electronic copy of the plans, please let me know.**

**FP ID: 321134-1-22-01 & 321134-2-22-01**  
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Thank you.

**David Ledgerwood, PE**

**PROJECT ENGINEER**

---

**INWOOD CONSULTING ENGINEERS**

3000 Dovera Dr., Suite 200, Oviedo, FL 32765

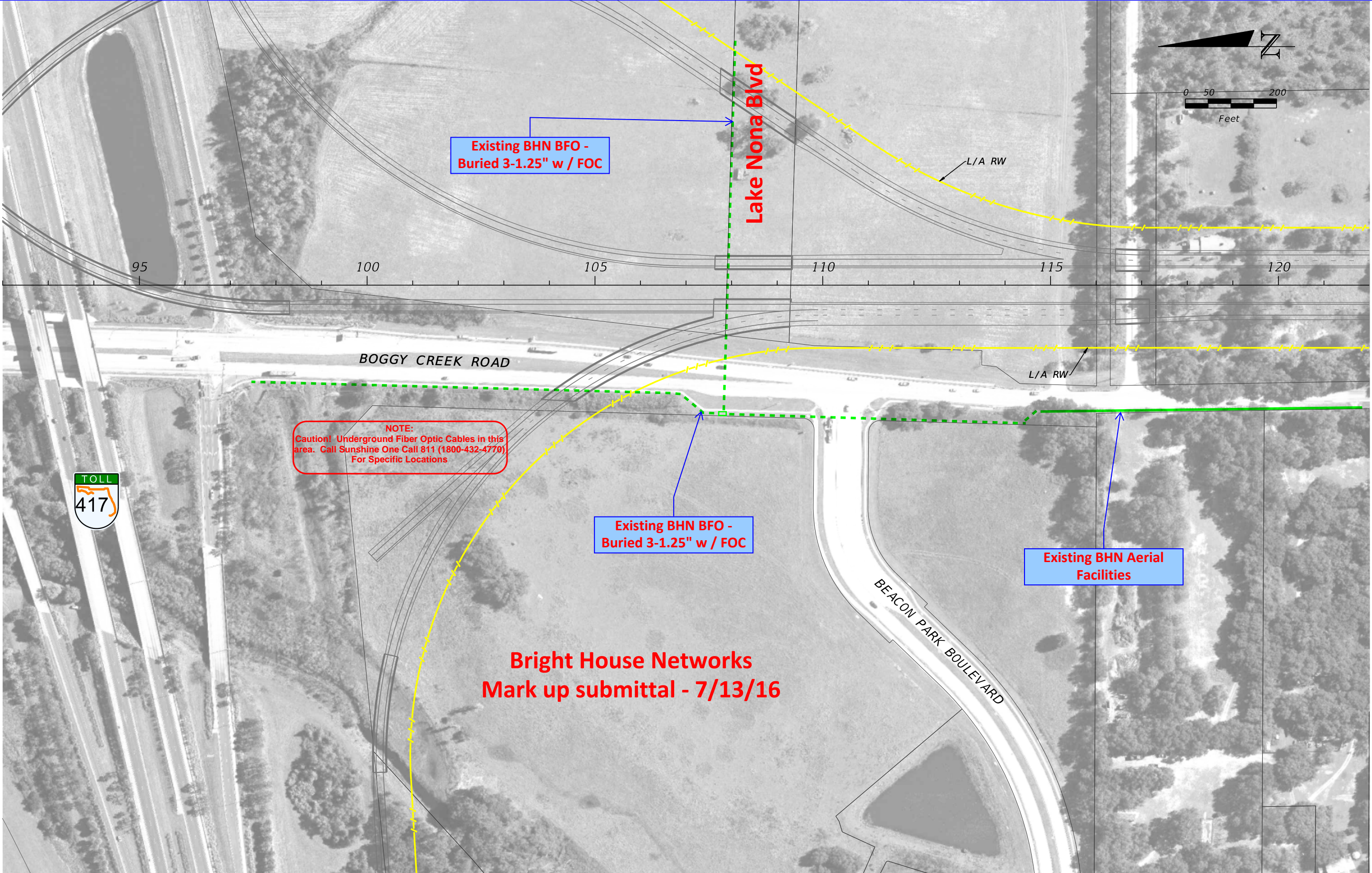
Office: 407-971-8850

Direct: 407-205-1474

Fax: 407-971-8955

[dledgerwood@inwoodinc.com](mailto:dledgerwood@inwoodinc.com)





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01	PRELIMINARY CONCEPT PLANS	2





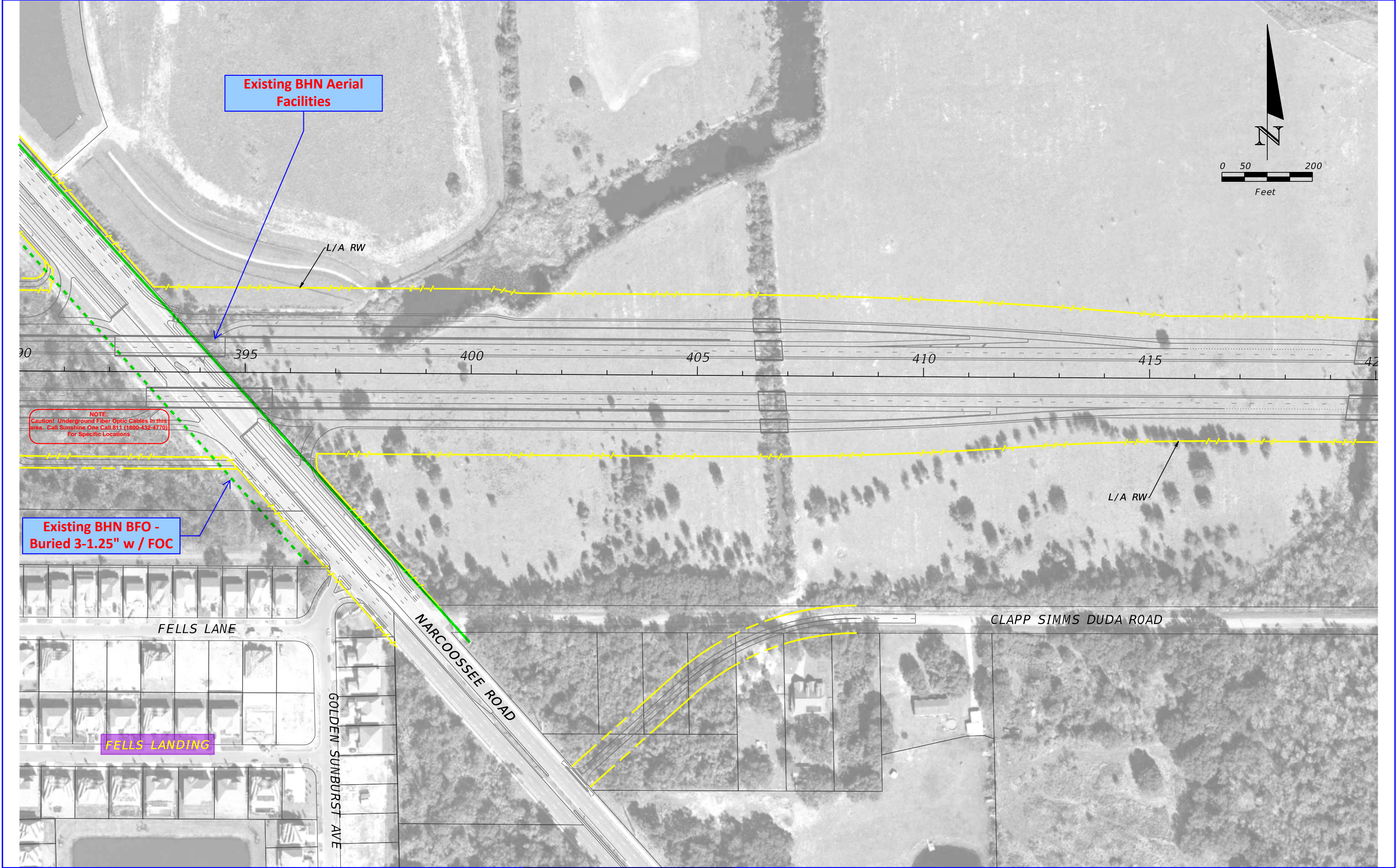
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





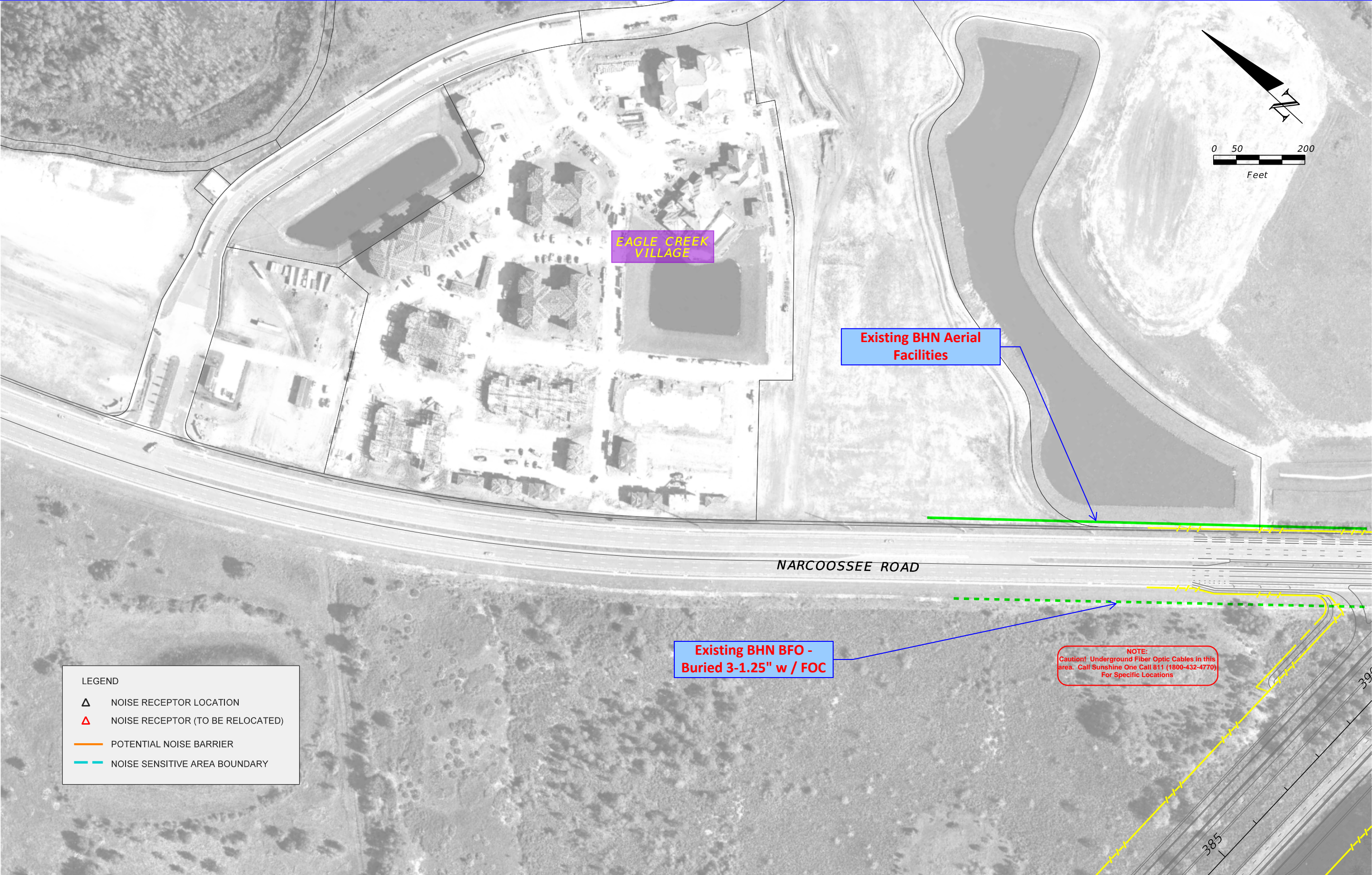
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
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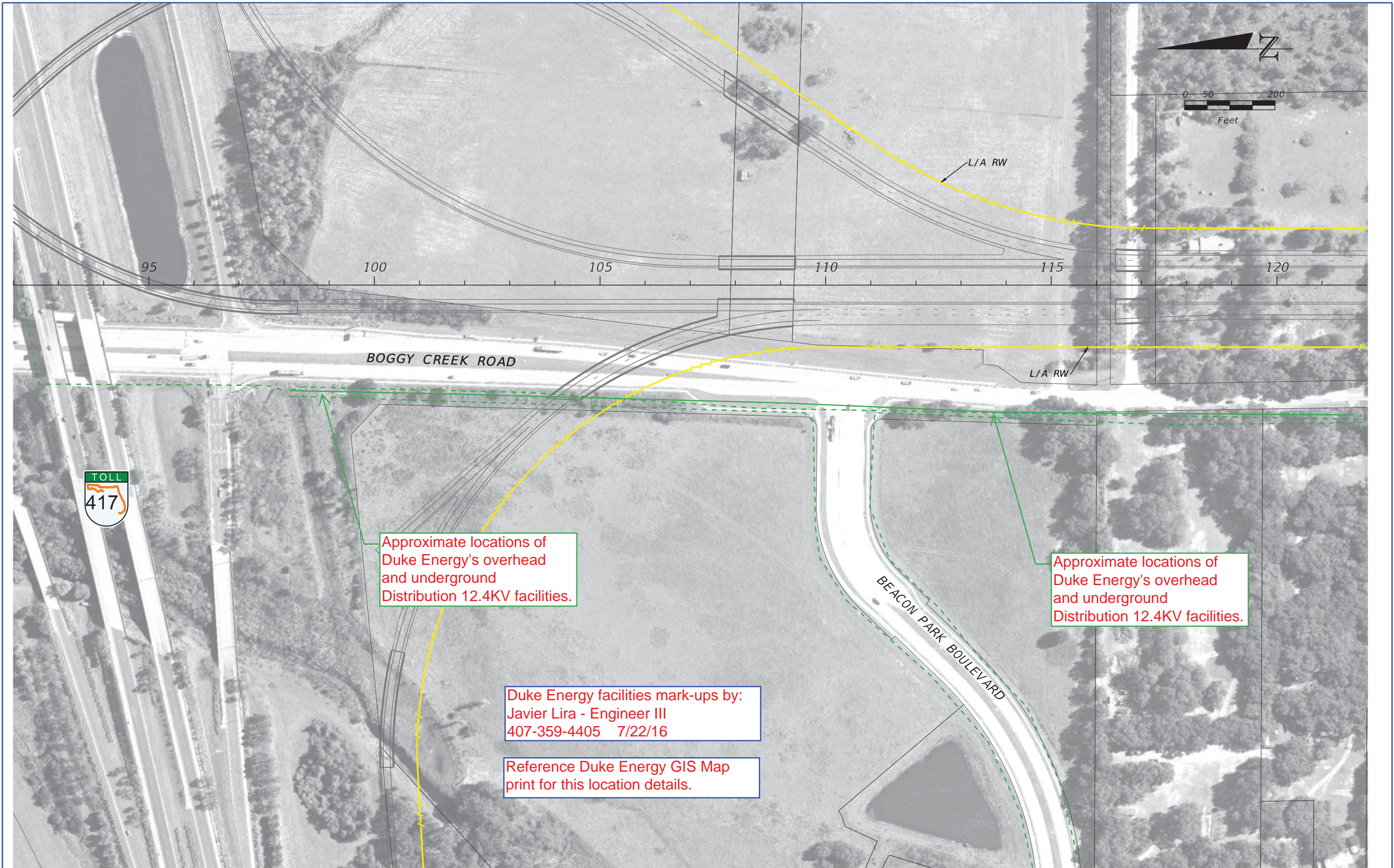
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		

Inwood Consulting Engineers, Inc.  
Certificate of Authorization No. 7074  
3000 Dovera Drive, Suite 200, Oviedo, Florida 32765  
P 407.971.8850



## **Duke Energy-Distribution**





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		



Approximate locations of Duke Energy's overhead Distribution 12.4KV facilities.

KISSIMMEE FARMS

L/A RW

BETH ROAD

NEW HOPE ROAD



L/A RW

BOGGY CREEK ROAD

Approximate locations of Duke Energy's overhead Distribution 12.4KV facilities.

Duke Energy facilities mark-ups by:  
Javier Lira - Engineer III  
407-359-4405 7/22/16

Reference Duke Energy GIS Map  
print for this location details.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

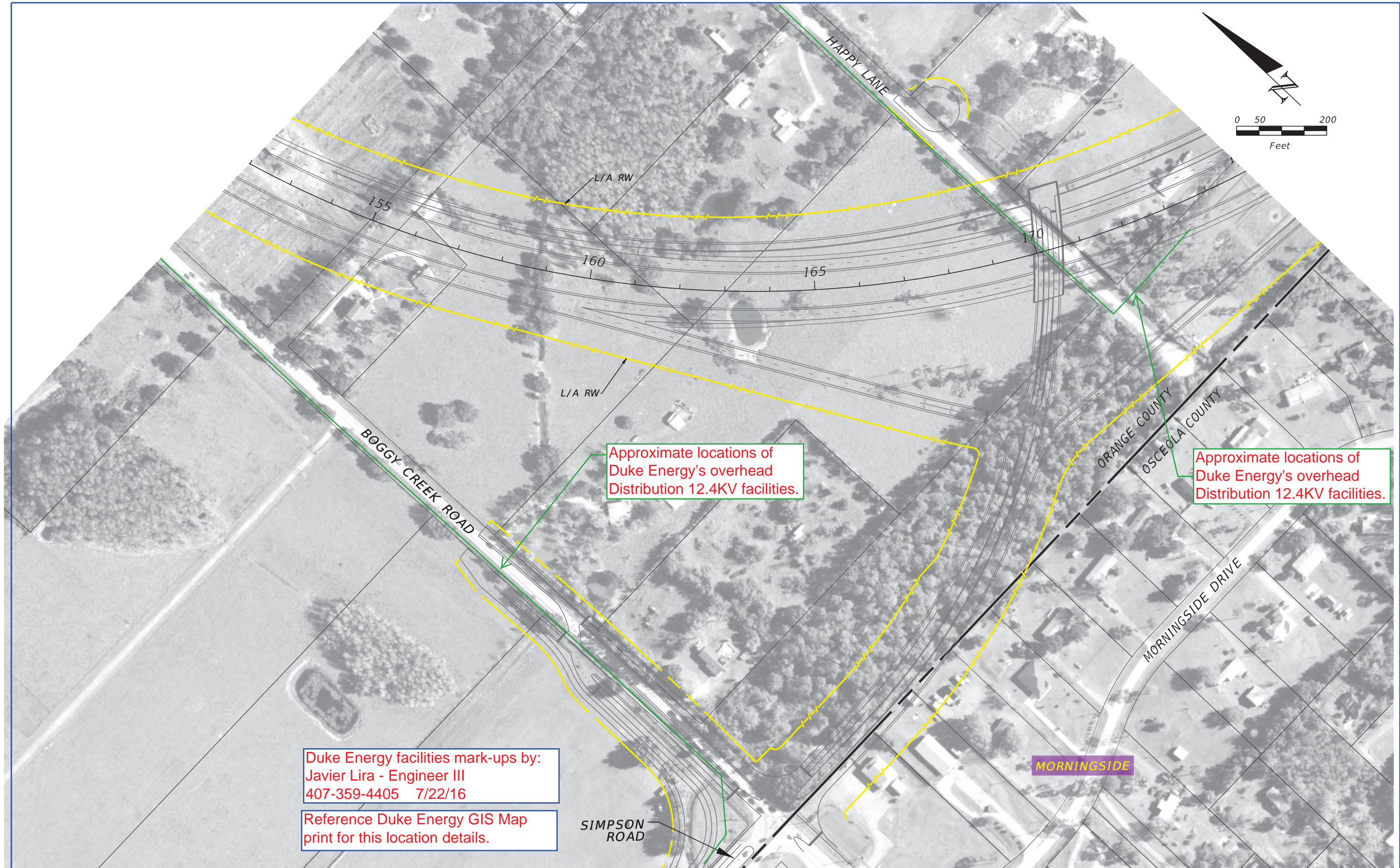
NOISE SPECIALIST  
David A. Graeber, PE

Inwood Consulting Engineers, Inc.  
Certificate of Authorization No. 7074  
3000 Dovera Drive, Suite 200, Oviedo, Florida 32765  
P 407.971.8850

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01

OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.
	2



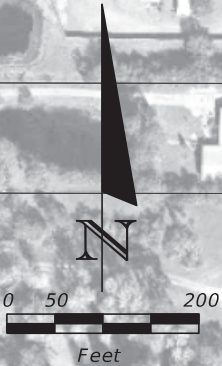


REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		



Approximate locations of  
Duke Energy's overhead  
Distribution 12.4KV facilities.

Duke Energy facilities mark-ups by:  
Javier Lira - Engineer III  
407-359-4405 7/22/16



KISSIMMEE  
FARMS

SETH ROAD

BICKY ROAD

L/A RW

ORANGE COUNTY  
OSCEOLA COUNTY

LATE MORNING CIRCLE

RAIN SHOWER LANE

MORNINGSIDE

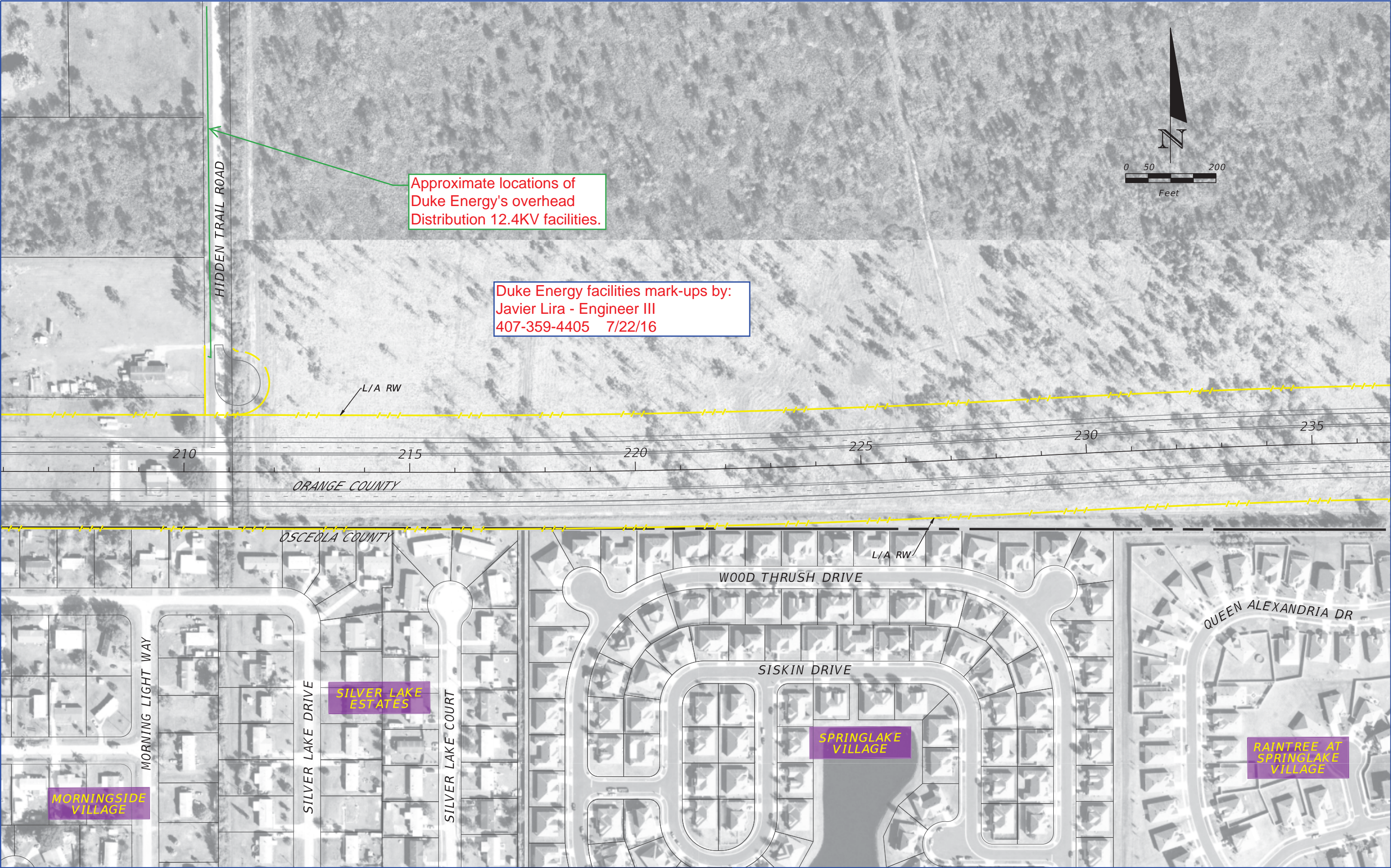
MORNING STAR COURT

MORNINGSIDE  
VILLAGE

LATE MORNING CIRCLE

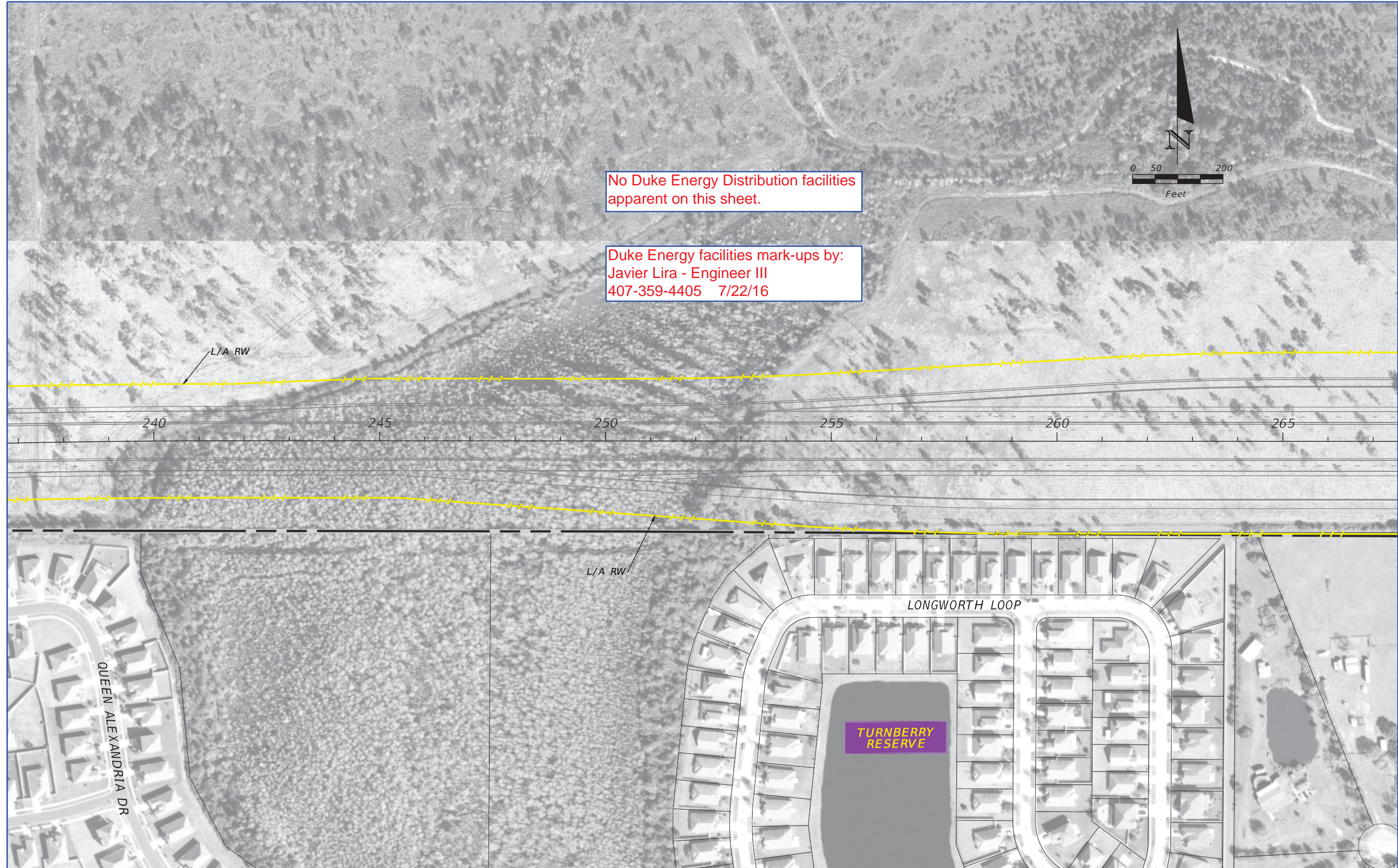
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.  4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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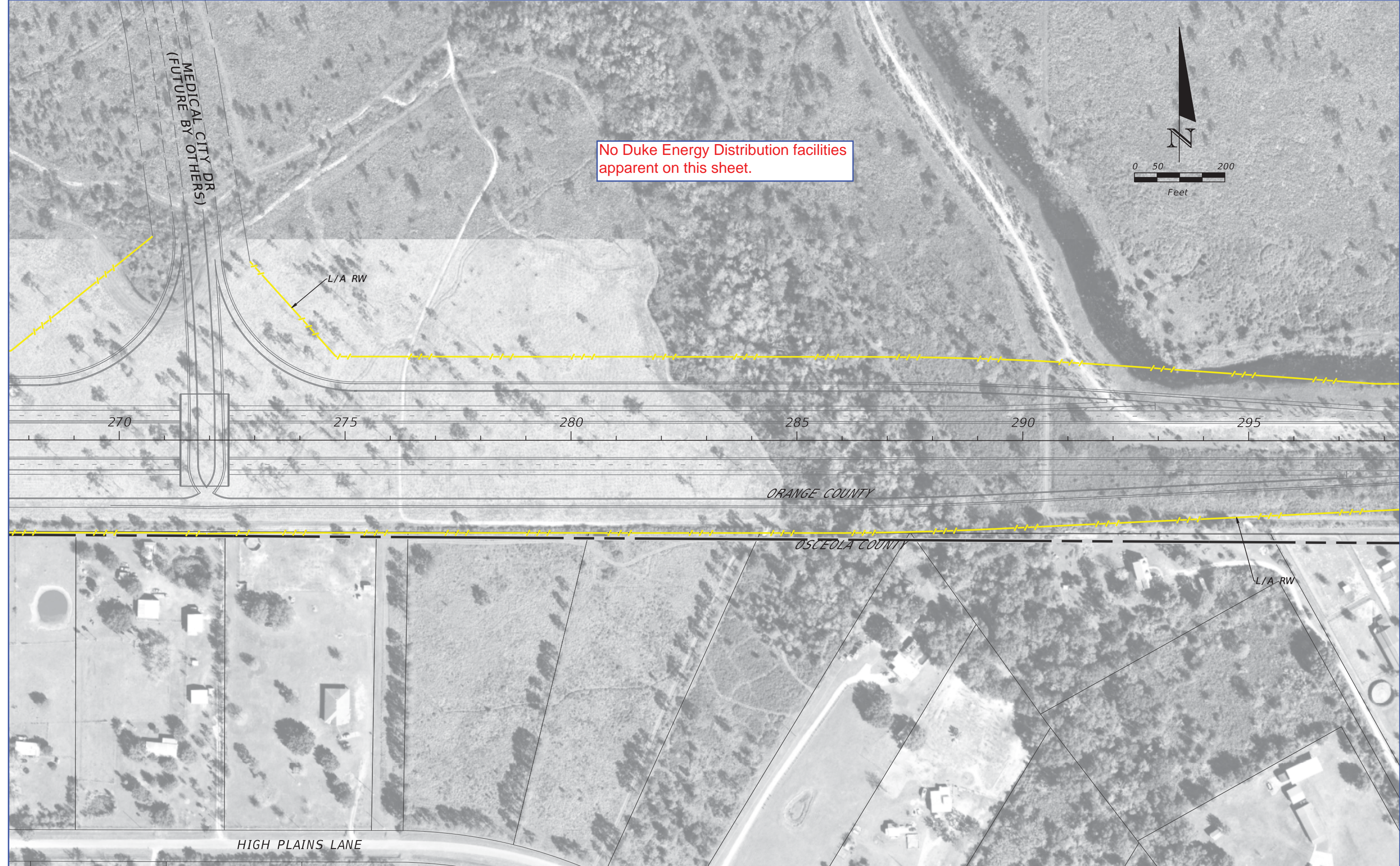
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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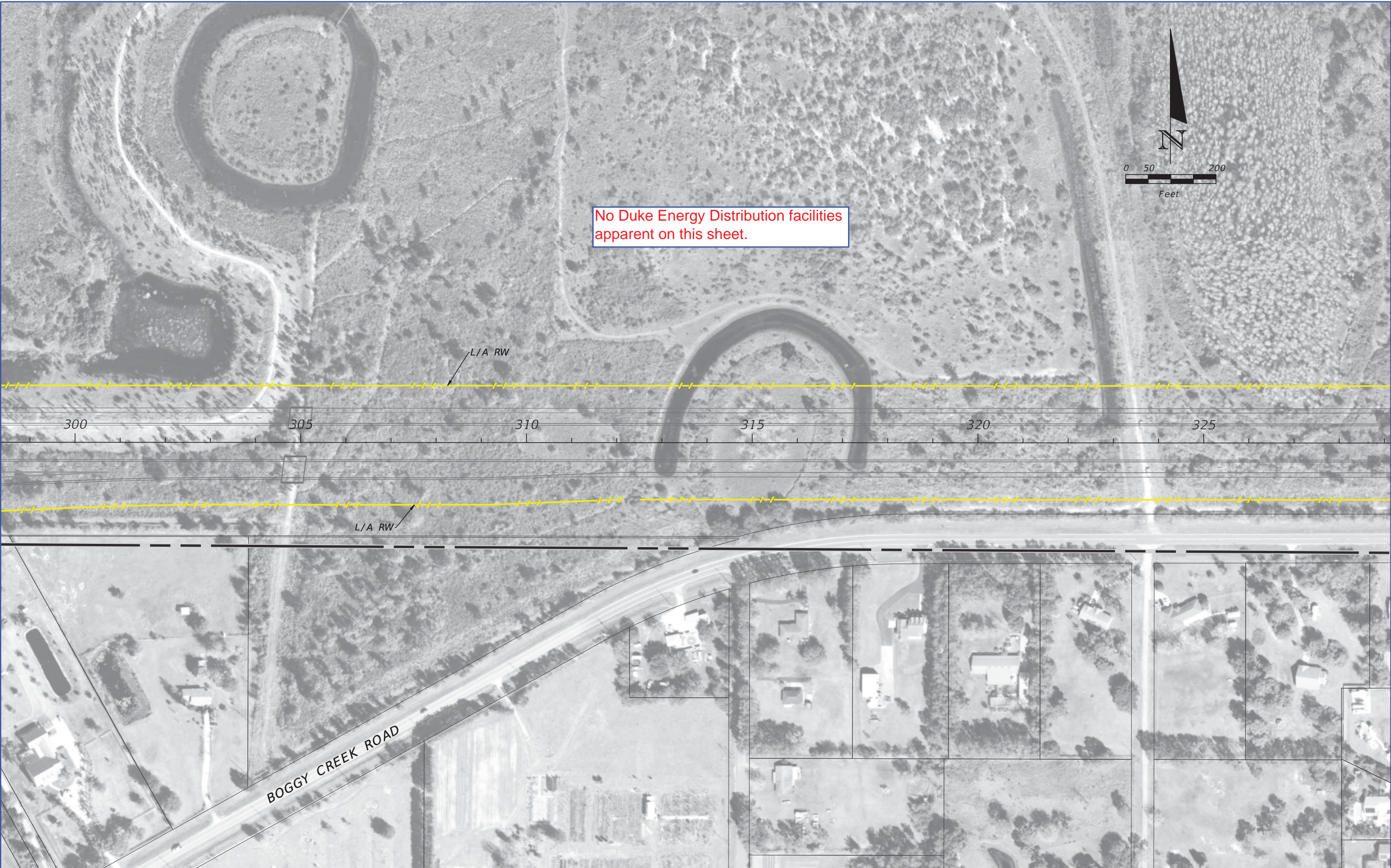
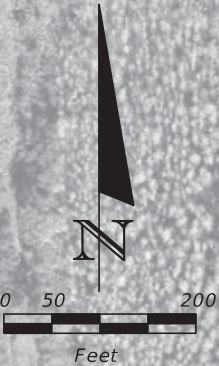




REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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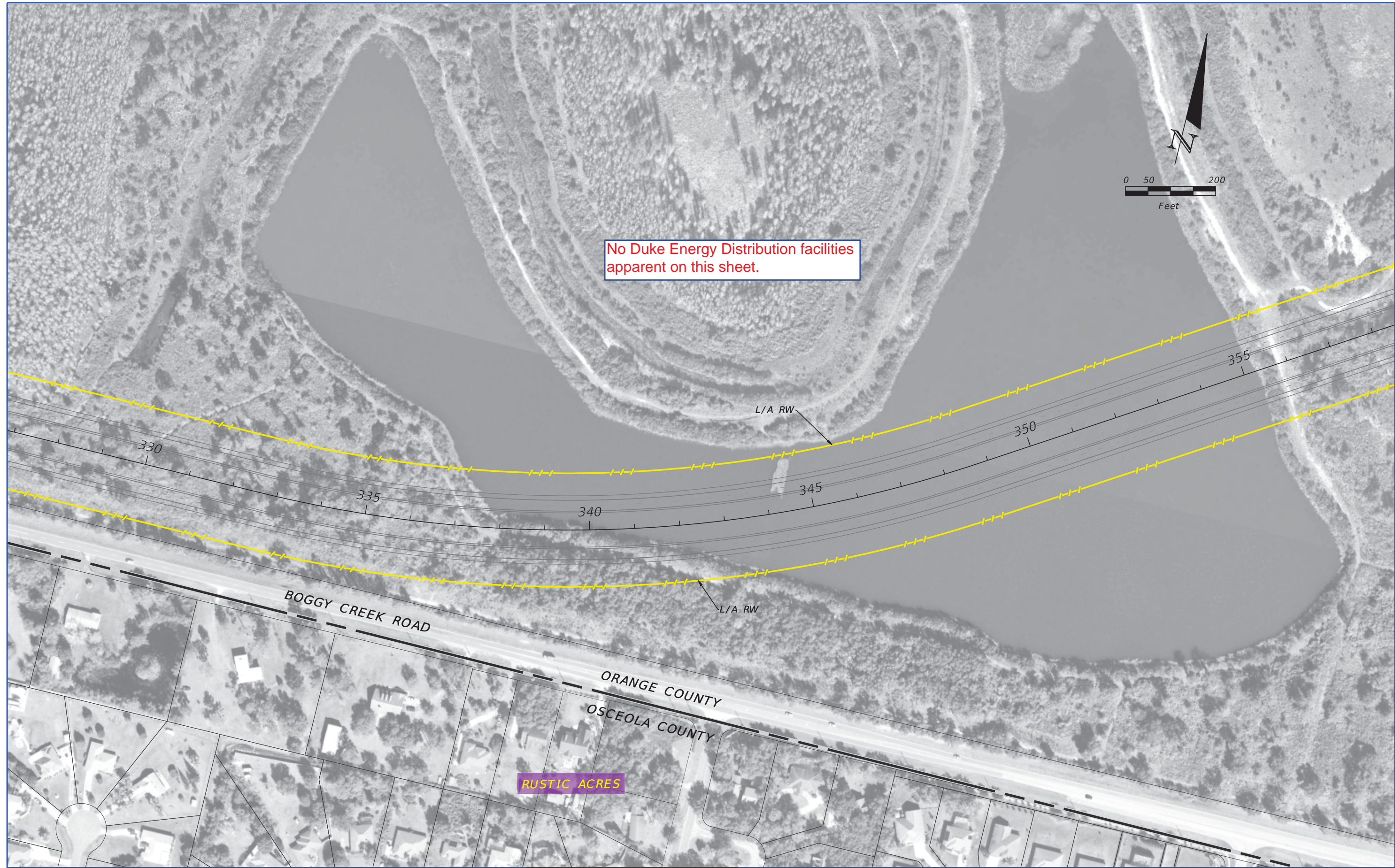


No Duke Energy Distribution facilities  
apparent on this sheet.



REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  8
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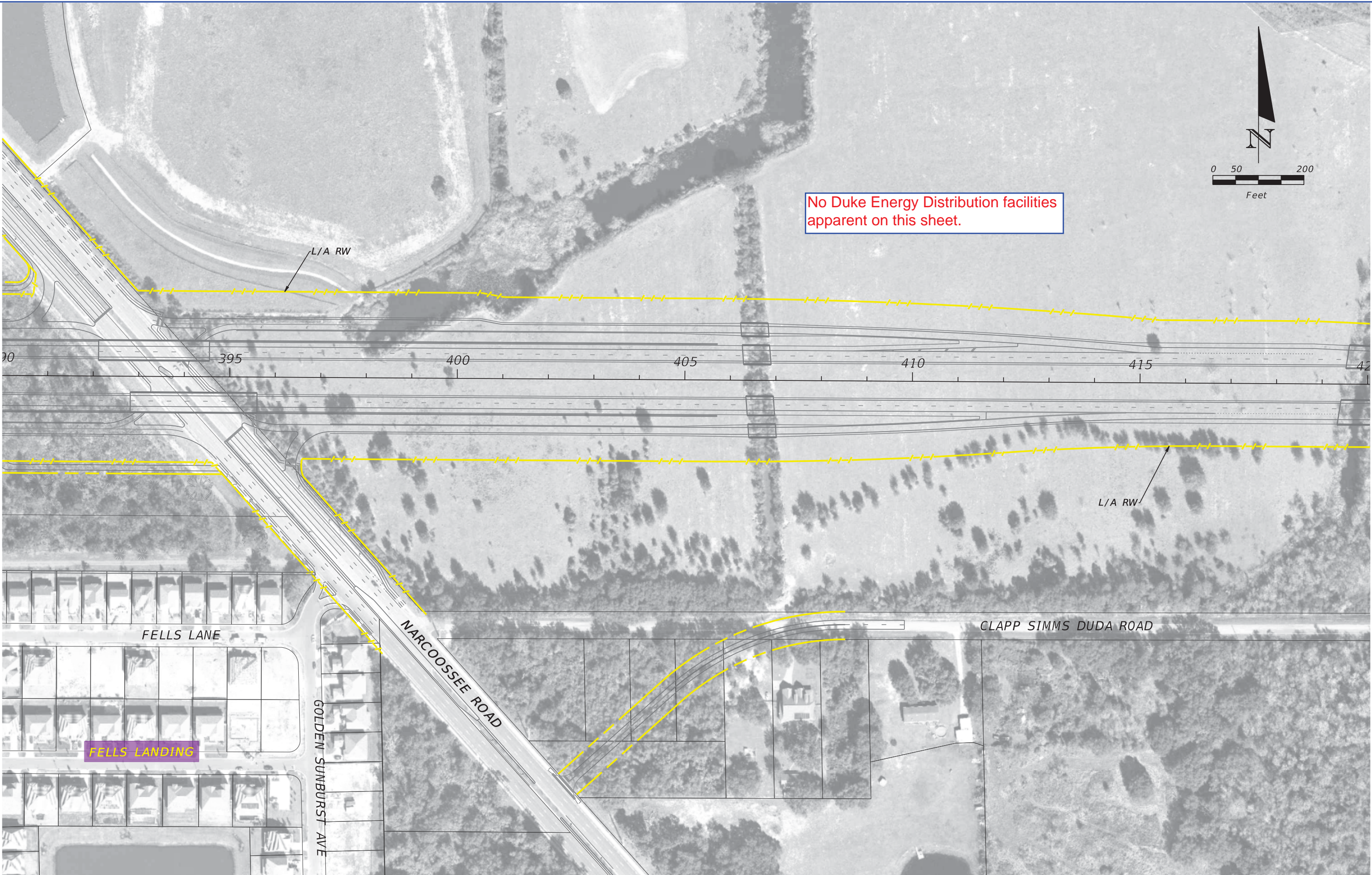
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





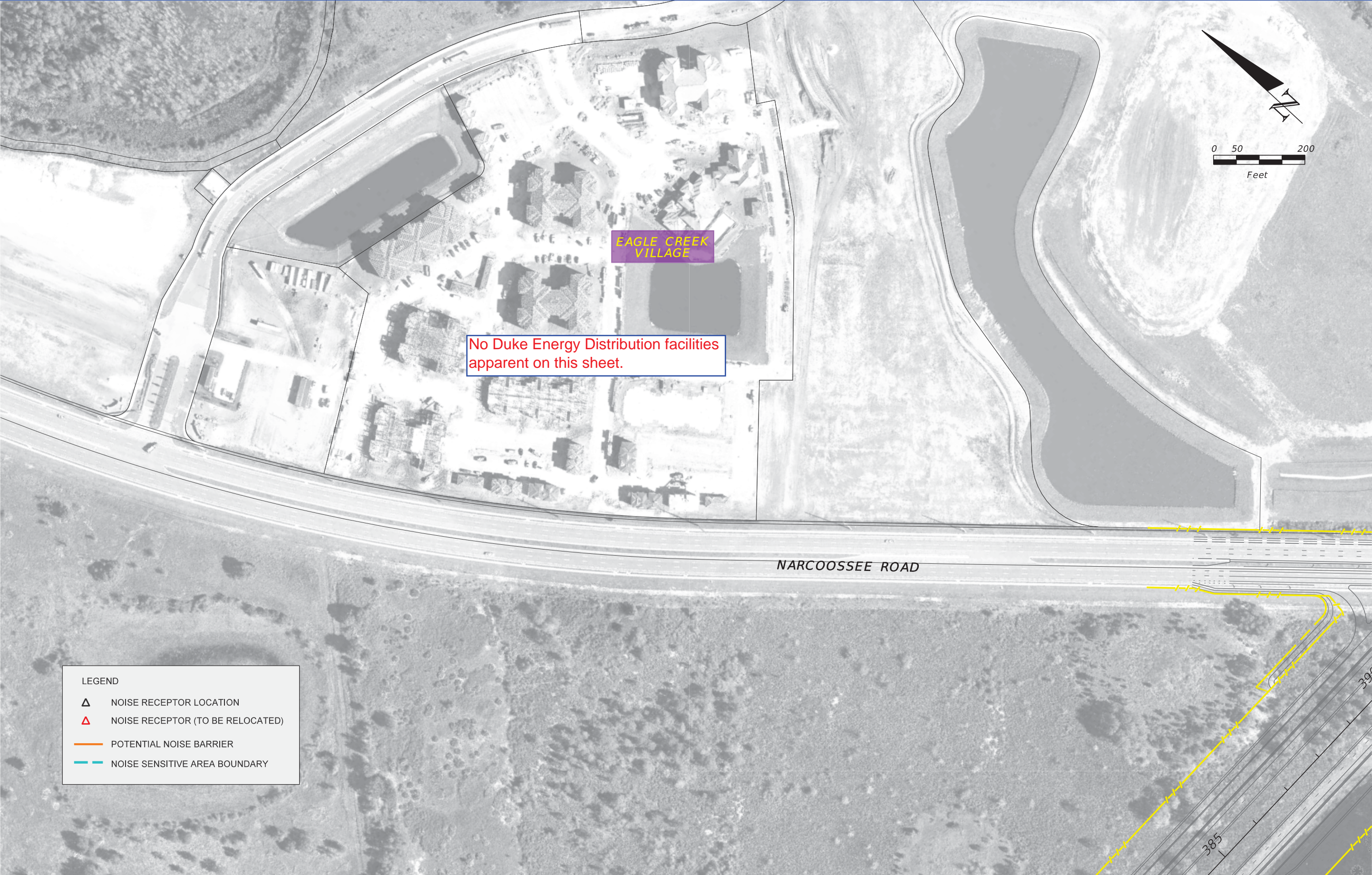
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			11A
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			





LEGEND

▲

NOISE RECEPTOR LOCATION

▲

NOISE RECEPTOR (TO BE RELOCATED)

—

POTENTIAL NOISE BARRIER

—

NOISE SENSITIVE AREA BOUNDARY

REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  11B
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		



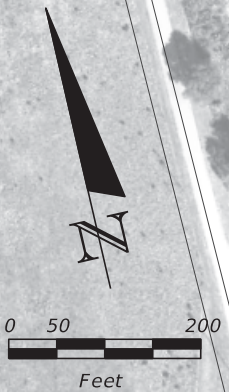


REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01	PRELIMINARY CONCEPT PLANS	12



SPLIT OAK FOREST  
MITIGATION PARK

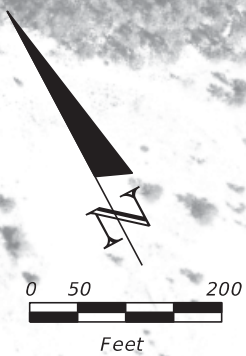
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apparent on this sheet.



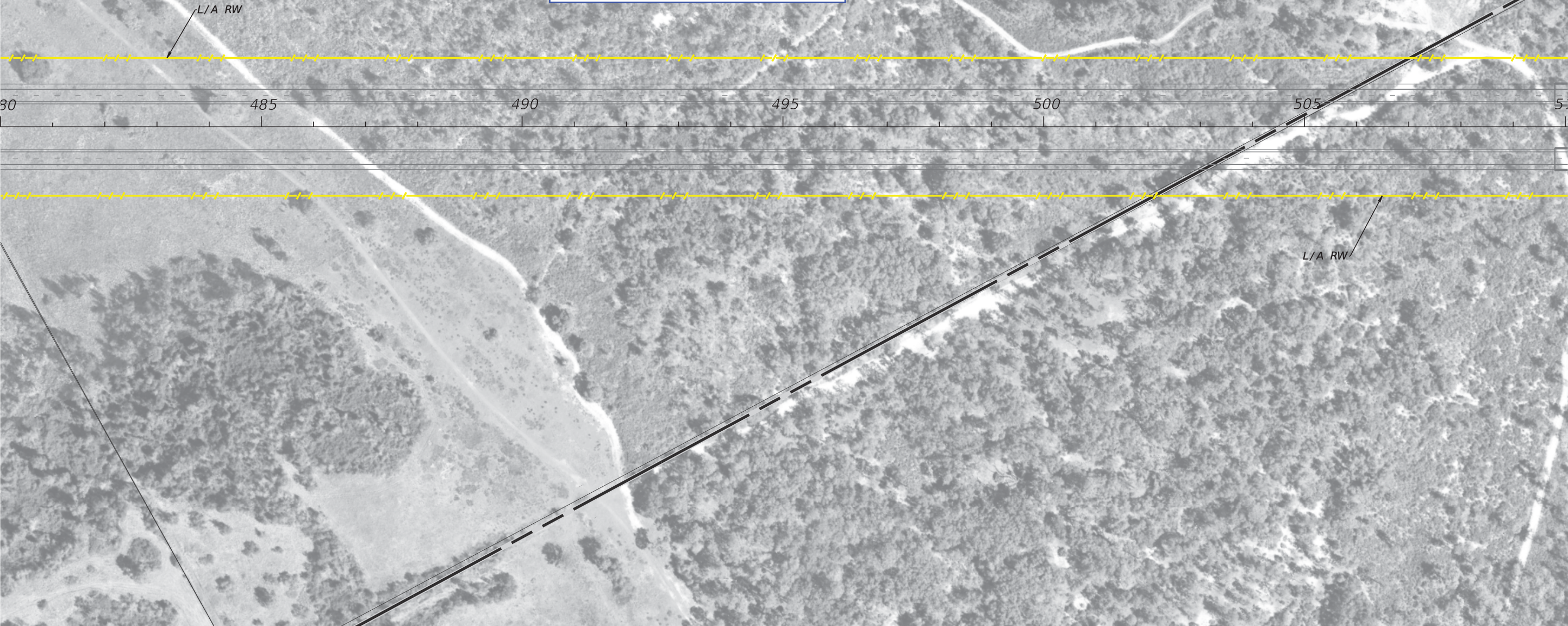
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.  13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			



SPLIT OAK FOREST  
MITIGATION PARK  
WILDLIFE AND  
ENVIRONMENTAL  
AREA



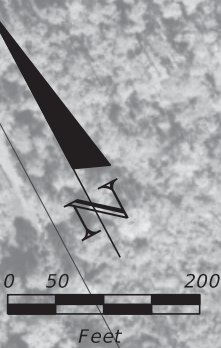
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apparent on this sheet.



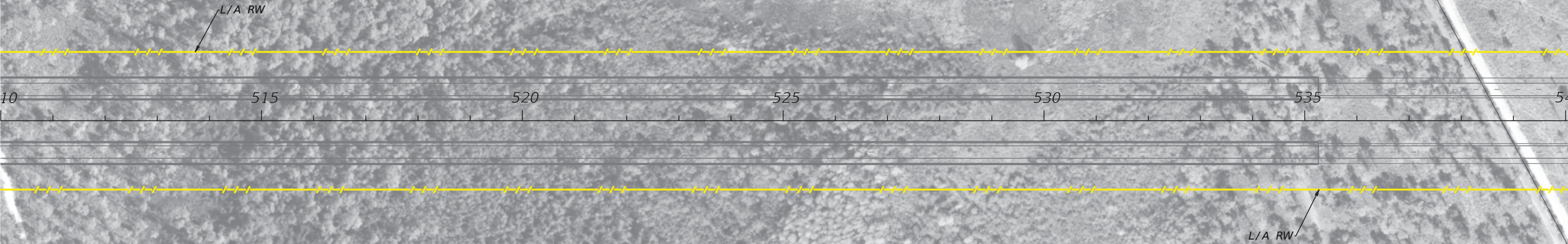
REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01	PRELIMINARY CONCEPT PLANS	14



SPLIT OAK FOREST  
MITIGATION PARK  
WILDLIFE AND  
ENVIRONMENTAL  
AREA

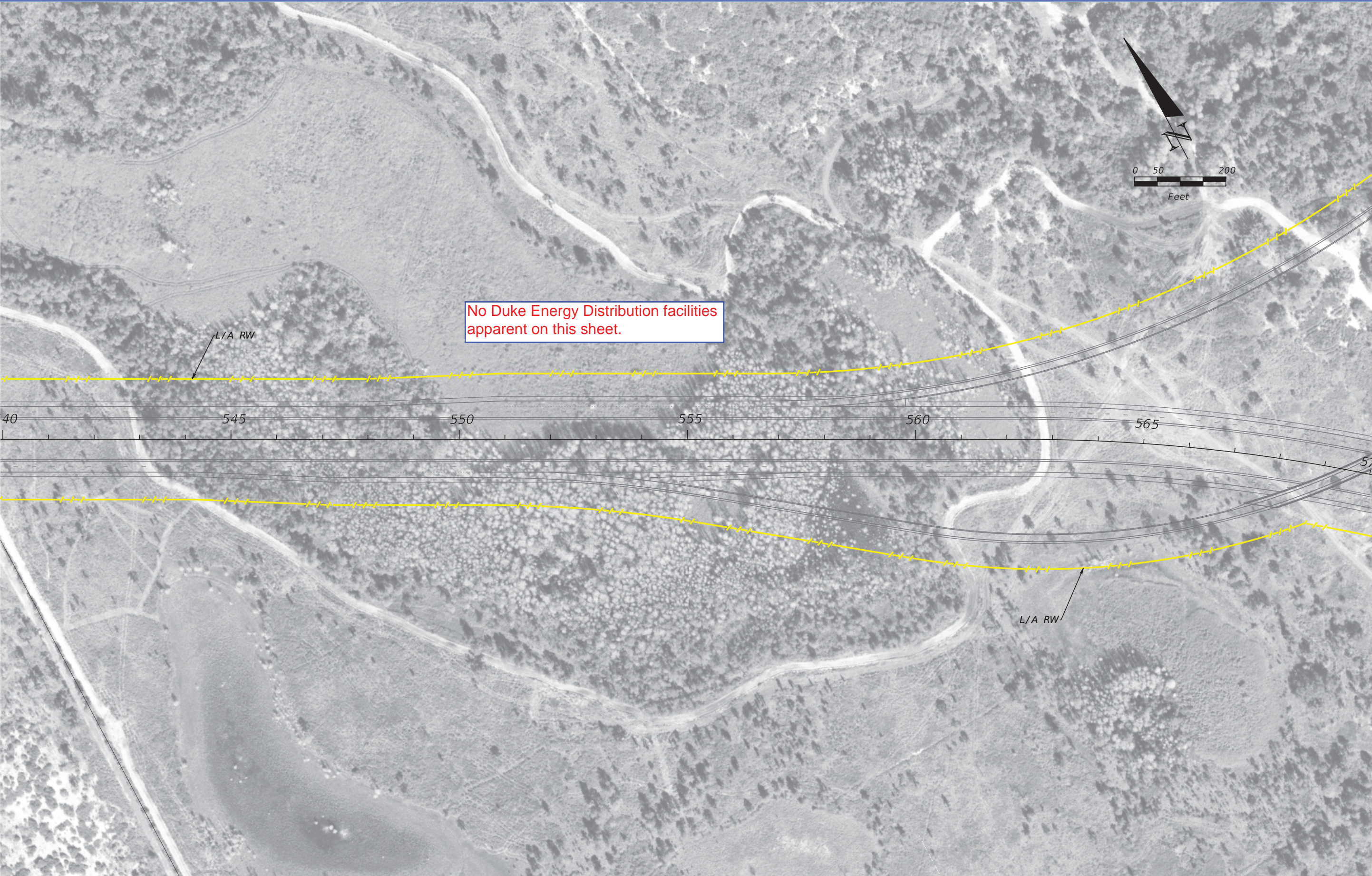


No Duke Energy Distribution facilities  
apparent on this sheet.



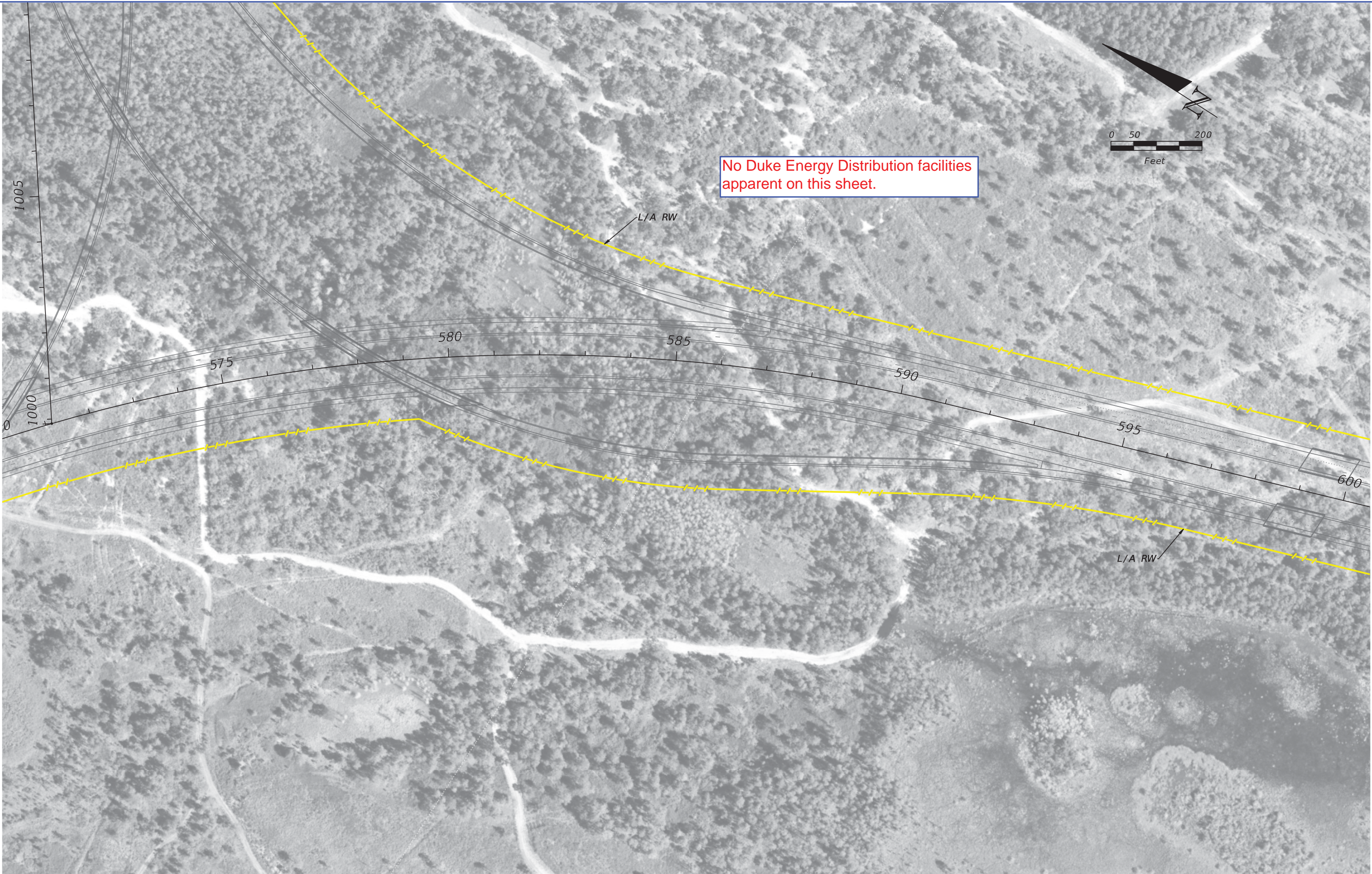
REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		15
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01	PRELIMINARY CONCEPT PLANS	





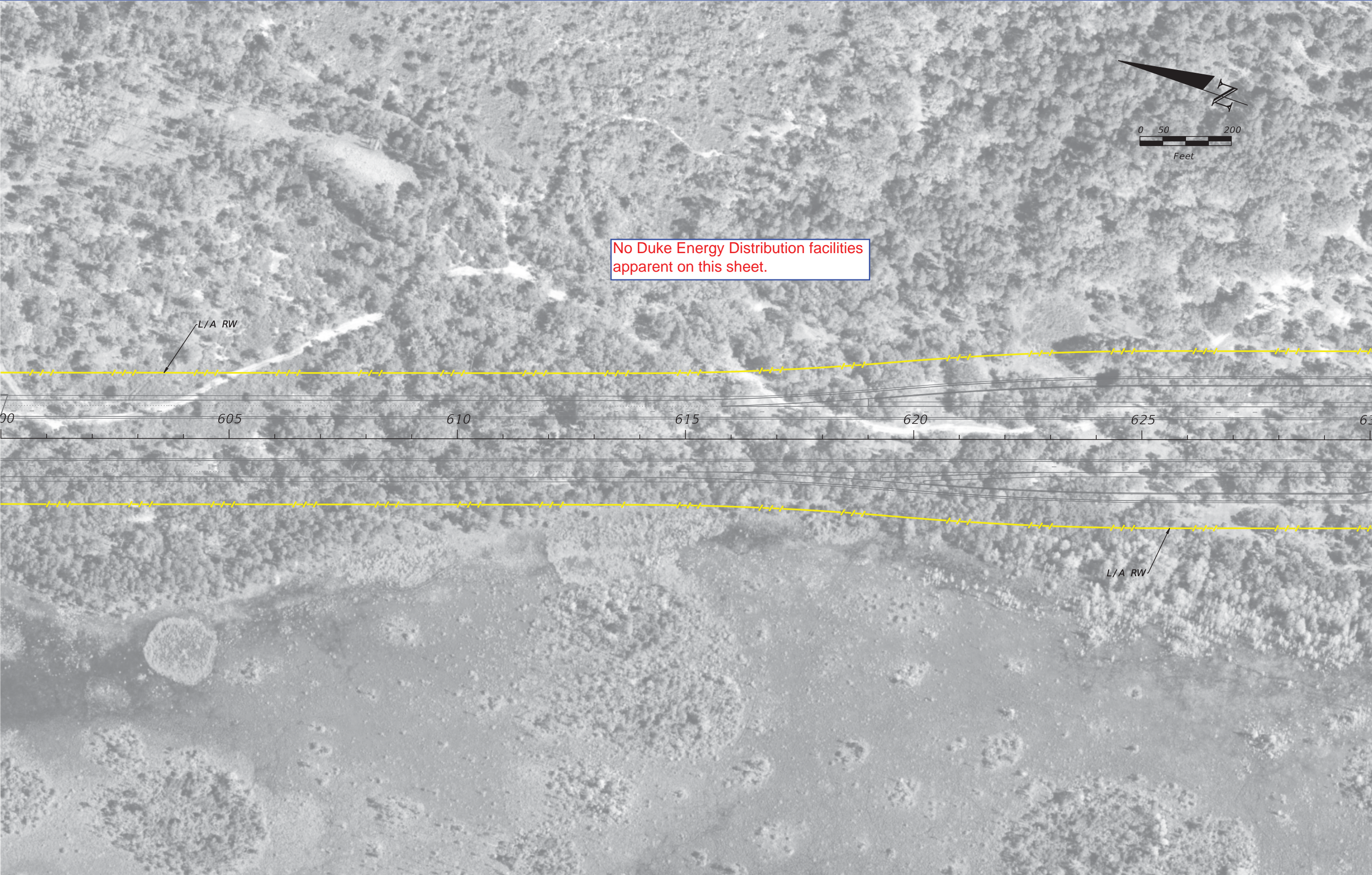
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		16





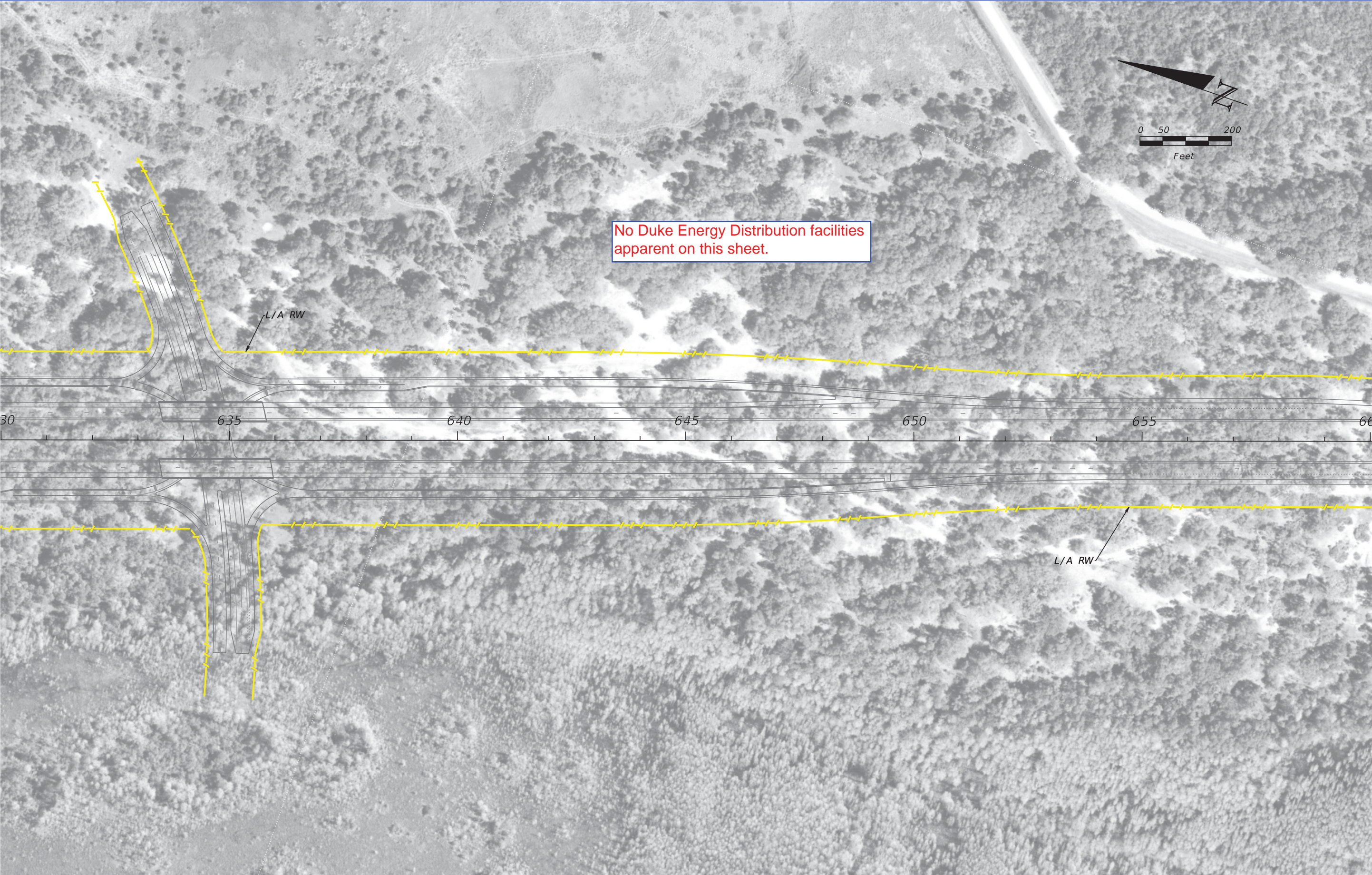
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			17
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			





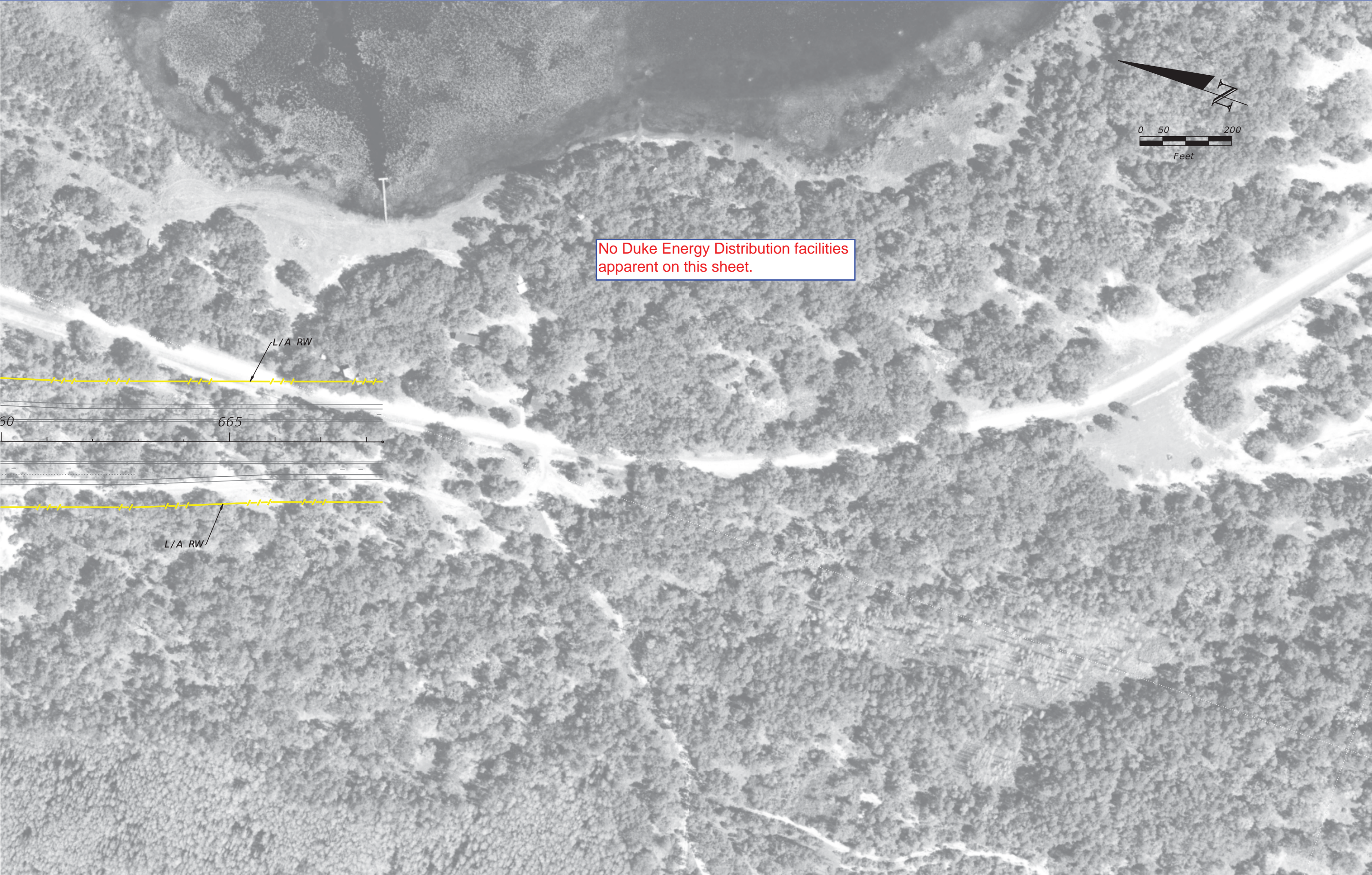
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		18





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			19
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			

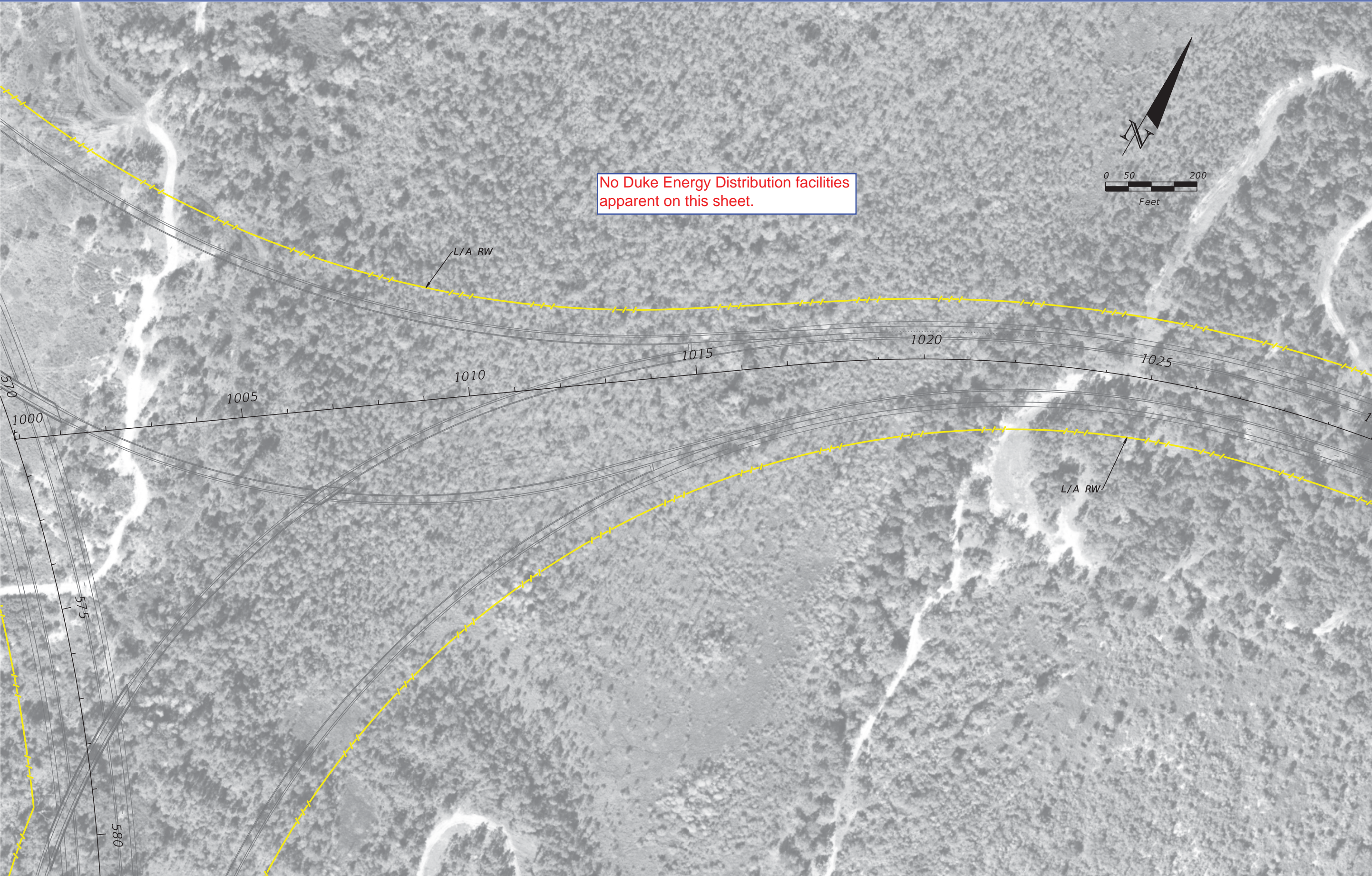




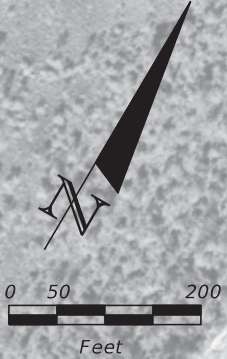
No Duke Energy Distribution facilities  
apparent on this sheet.

REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			20



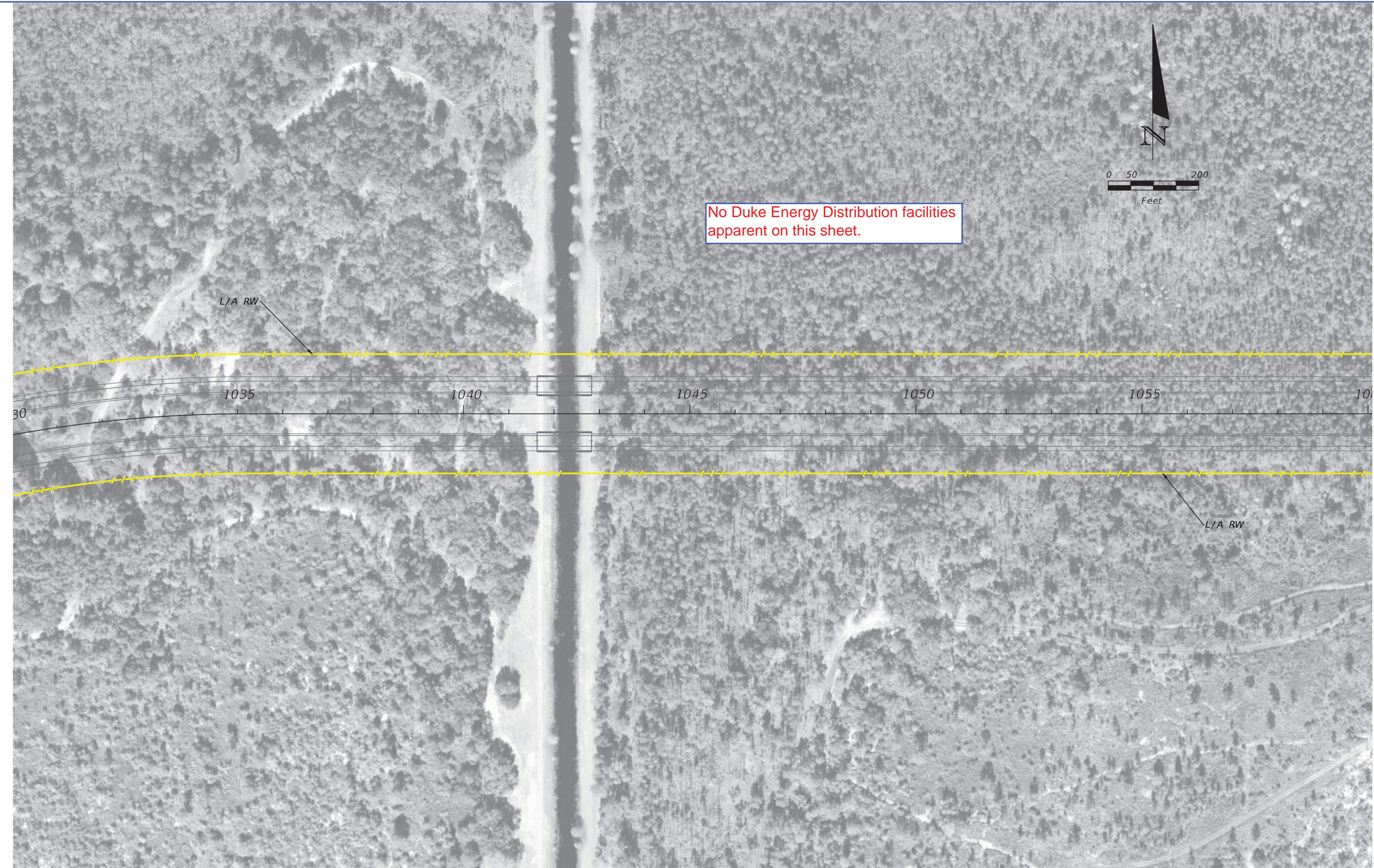


No Duke Energy Distribution facilities  
apparent on this sheet.



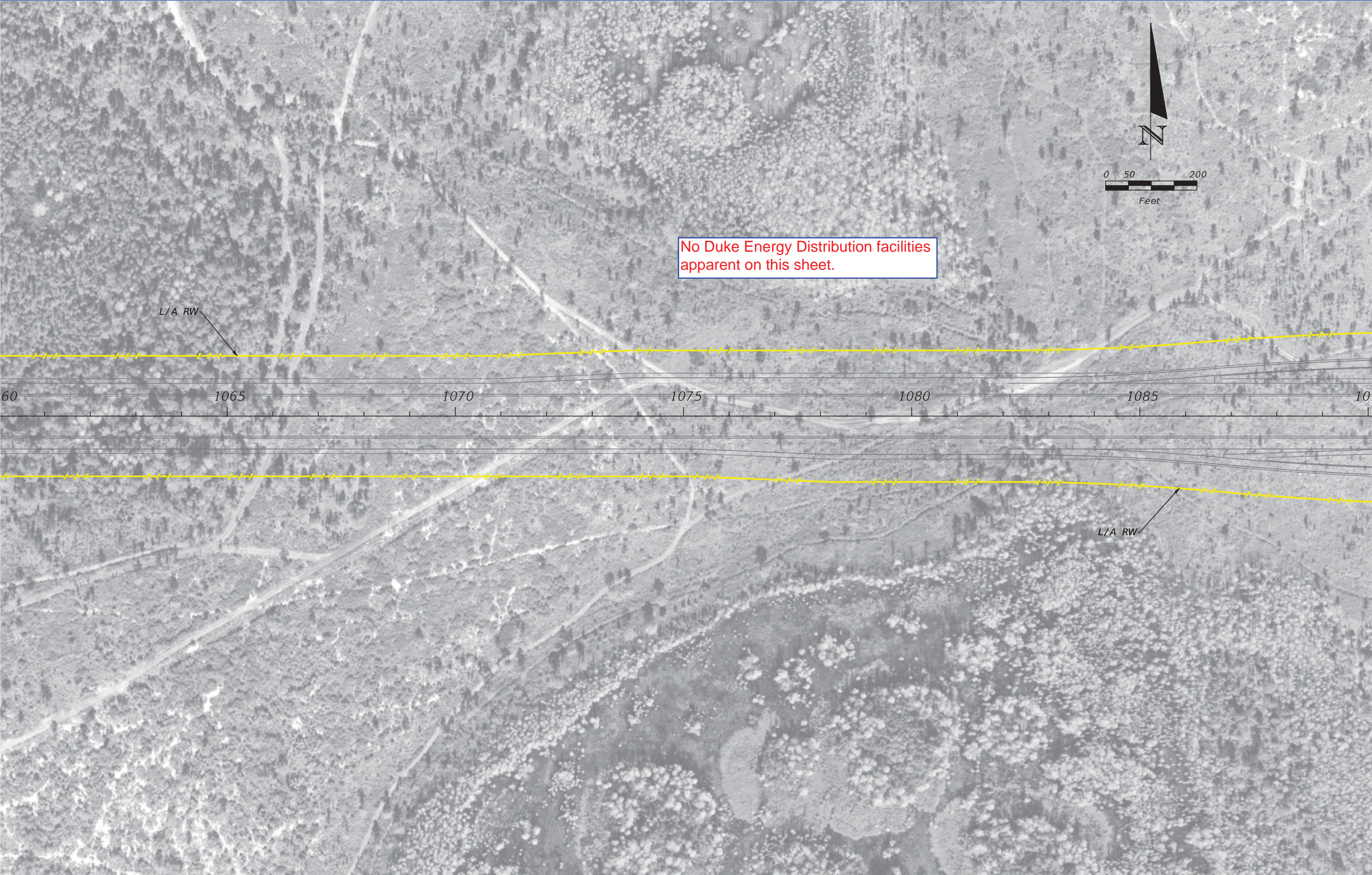
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			21
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		22





No Duke Energy Distribution facilities  
apparent on this sheet.

REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		23
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01	PRELIMINARY CONCEPT PLANS	24





REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01	PRELIMINARY CONCEPT PLANS	25



## **Duke Energy-Transmission**





July 25, 2016

David Ledgerwood, P.E.  
c/o Inwood Consulting Engineers  
3000 Dovera Drive, Suite 200  
Oviedo, Florida 32765

**Re: Project #: 321134-1-22-01/ 321134-2-22-01**  
**Project Phase: PD&E Study**  
**Plan Date: July 08, 2016**  
**County: Orange**  
**State Road: SR 417**  
**Description: PD&E Study of Osceola Parkway Extension (SR 417) East of Boggy Creek Road**

We hereby certify that **Duke Energy Florida, LLC, a Florida Limited Liability Company, d/b/a Duke Energy,** does not has facilities located within the limits of the above-referenced project. No alterations are required.

Please find enclosed items listed below for the above-referenced project:

1. One (1) copy of correspondence requesting facilities review
2. One (1) project aerial image

If you have further questions, I can be reached by sending an email to [DEFTransmissionGov@duke-energy.com](mailto:DEFTransmissionGov@duke-energy.com).

A handwritten signature in black ink, appearing to read "Kevin Price".

(Kevin Price in lieu of) Francis Castro

Duke Energy Transmission Line

---



**From:** [Aric Rogers](#)  
**To:** [David Ledgerwood](#)  
**Subject:** THOR: none; 321134-1-22-01/ 321134-2-22-01; PD&E Study of Osceola Parkway Extension (SR 417) East of Boggy Creek Road; Orange County; Duke Energy Transmission Utility Review (06-370)  
**Date:** Monday, July 25, 2016 11:23:26 AM  
**Attachments:** [06-370 Duke Energy Transmission Statement Letter.pdf](#)  
[06-370 Sender Email.pdf](#)  
[Proj LOCATION.pdf](#)

---

Good afternoon, David:

This email contains important information regarding your request for utility review.


Please utilize the "Read Receipt" feature attached to this email notification to confirm this transmittal.

Project #:	321134-1-22-01/ 321134-2-22-01
Project Phase:	PD&E Study
Plan Date:	July 08, 2016
County:	Orange
State Road:	SR 417
Description:	PD&E Study of Osceola Parkway Extension (SR 417) East of Boggy Creek Rd.

Please find the following attached to this email:

1. One (1) copy of correspondence requesting facilities review
2. One (1) project aerial image
3. One (1) certified letter from Duke Energy Transmission stating facility determination

Note: There are no conflicts or encroachments on this project. However, there are Tx poles within close proximity to the project area and we will need to review the next phase.

**Electronic submittal of the project review is a part of our initiative to go paperless and will apply only to projects of No Involvement.** 

Please feel free to contact me with you have any questions or concerns.

Kindly,

**Aric L. Rogers**  
Administrative Specialist

**UC Synergetic, LLC**  
20525 Amberfield Drive, Suite 201  
Land O Lakes, FL 34638  
(813) 909-1245

**\*Please note change in email\***



## **TOHO Water Authority**



## David Ledgerwood

---

**From:** Mike Pampoukis <Mpampouk@tohowater.com>  
**Sent:** Friday, September 02, 2016 10:49 AM  
**To:** David Ledgerwood  
**Subject:** FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal  
**Attachments:** Letter of No Conflict 09\_02\_16 Signed.pdf; Osceola Parkway Extension Prel Plans.pdf

David,

Please find attached a letter of no conflict and TWA utility locations near the subject project. Let me know if you need any additional information.

Thank you.

Mike Pampoukis  
Senior Engineering Technician  
Toho Water Authority  
951 Martin Luther King Blvd.  
407-944-5043 ext 5043





bringing you life's  
most precious resource

951 Martin Luther King Boulevard, Kissimmee, FL 34741

**Tel:** 407-944-5000

[www.tohowater.com](http://www.tohowater.com)

David Ledgerwood, PE  
Inwood Consulting Engineers  
3000 Dovera Dr., Suite 200,  
Oviedo, FL 32765  
Office: 407-971-8850

**Financial Project ID#:** FP ID: 321134-1-22-01 & 321134-2-22-01  
**County:** Orange/Osceola  
**State Road:** SR 417 (Osceola Parkway Extension)  
**Document:** 1  
**Federal Aid Project Number:** N/A

**Description:** PD&E Study of Osceola Parkway Extension East of Boggy Creek Road.

I hereby certify that Toho Water Authority has existing facilities located within the above project limits and have determined that no relocation will be necessary. I have based this information after review of FP ID: 321134-1-22-01 & 321134-2-22-01, PD&E Study of Osceola Parkway Extension East of Boggy Creek Road plans you provided with email 7/11/16.

The existing utilities are within the Right of Way of Simpson Road and Boggy Creek Road.

  
Signed

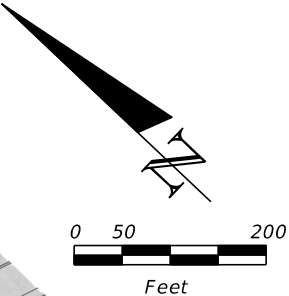
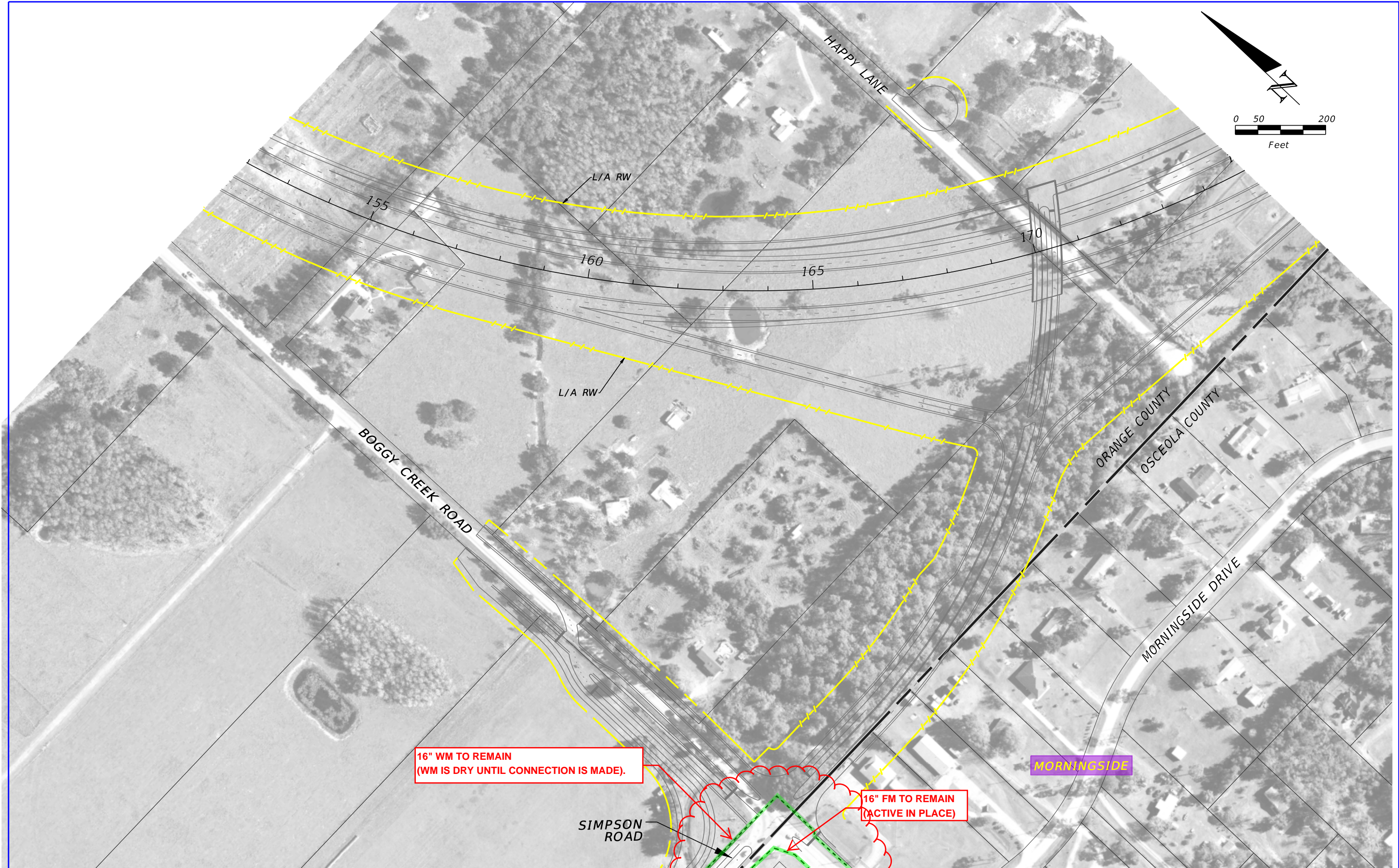
09/02/2016

Date

Gerasimos Pampoukis  
Print Name

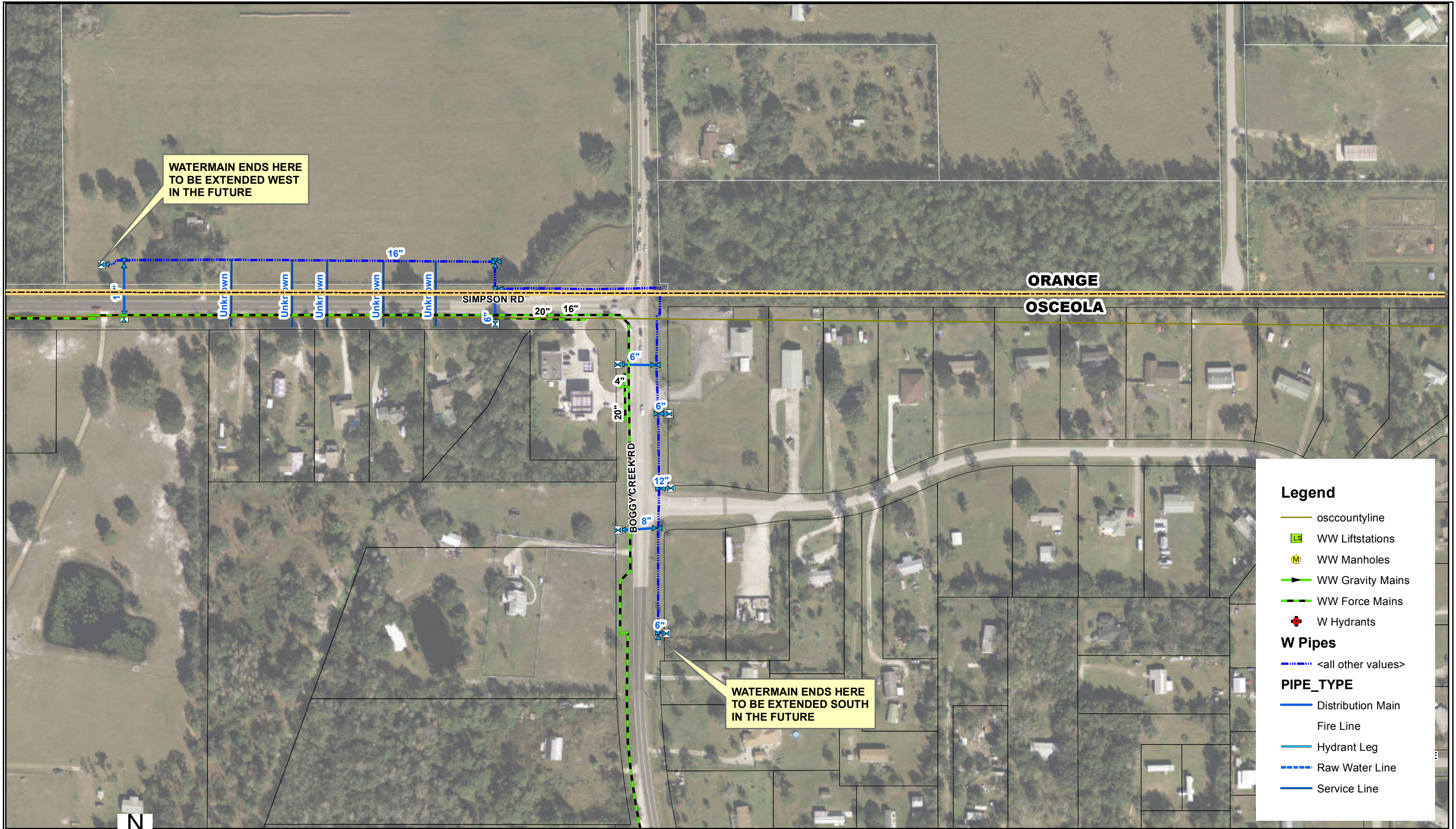
Sr. Engineering Technician  
Title





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 70074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
					417	OSCEOLA ORANGE		
					FINANCIAL PROJECT ID 432134-1-22-01 432134-2-22-01			





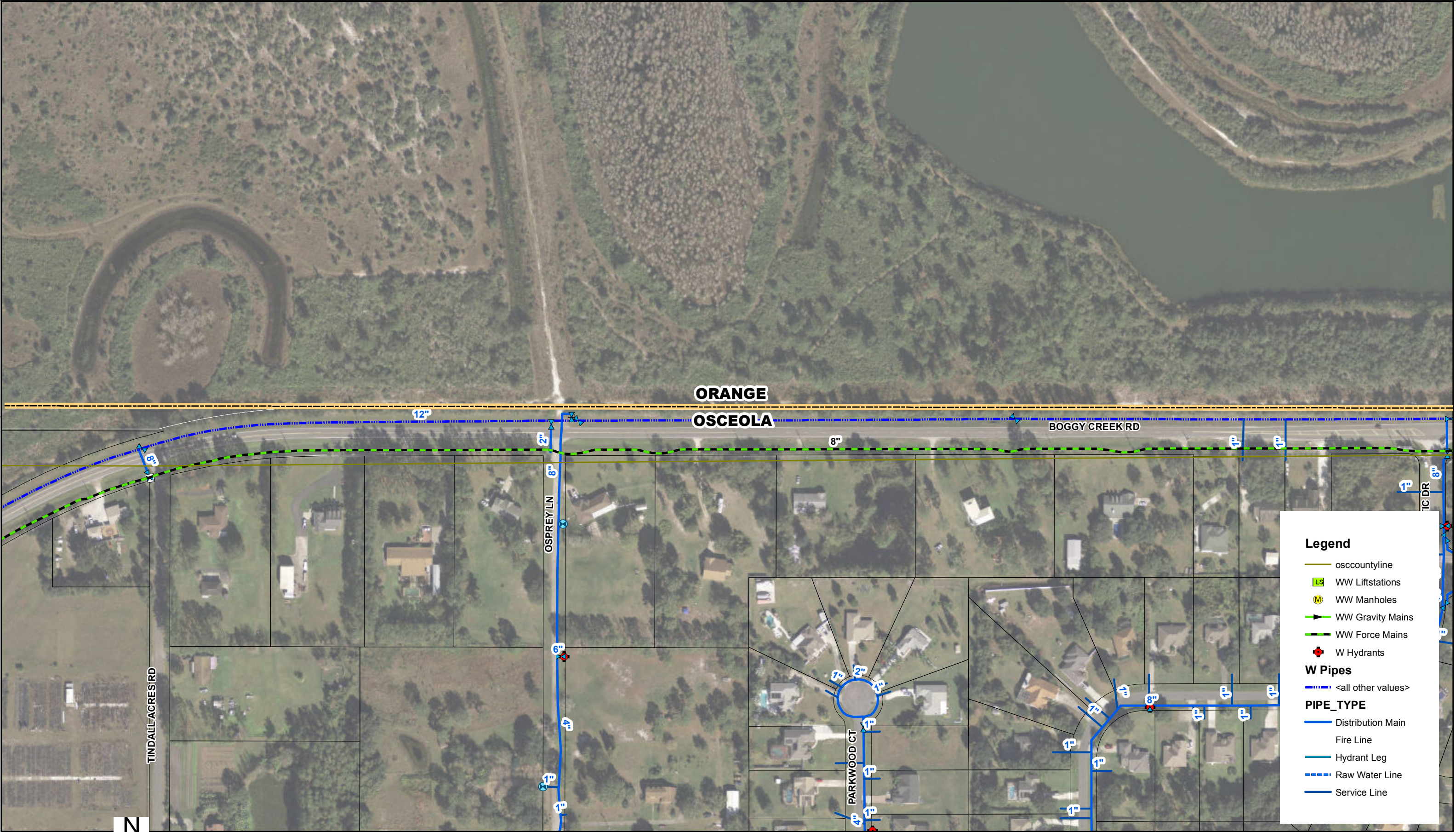
**BOGGY CREEK ROAD**

THE TOHOPEKALIGA WATER AUTHORITY MAKES NO WARRANTIES, GUARANTEES OR REPRESENTATIONS AS TO THE TRUTH, ACCURACY, OR COMPLETENESS OF THE DATA ON THIS MAP. THIS IS NOT A SURVEY PRODUCT AND IS A VISUAL REFERENCE TOOL ONLY. The Tohopekalia Water Authority makes no warranty, express or implied with respect to its ownership of any rights relating to trademarks and trade names described herein. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. Any questions or concerns should be directed to Toho Water Authority, Information Technology (IT) Department at 407-944-5190.

C:\Users\mpampouk\Desktop\Toho\_Custom\_Tools.mxd  
12/31/2015 at 10:40:31 AM  
PRODUCED BY: Mike







**Legend**

- osccountyline
- LS WW Liftstations
- M WW Manholes
- WW Gravity Mains
- WW Force Mains
- W Hydrants

**W Pipes**

<all other values>

**PIPE\_TYPE**

- Distribution Main
- Fire Line
- Hydrant Leg
- Raw Water Line
- Service Line



1 inch = 200 feet

**BOGGY CREEK ROAD**

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12/31/2015 at 10:40:31 AM  
PRODUCED BY: Mike







**Legend**

- osccountyline
- LS WW Liftstations
- M WW Manholes
- WW Gravity Mains
- WW Force Mains
- W Hydrants

**W Pipes**

<all other values>

**PIPE\_TYPE**

- Distribution Main
- Fire Line
- Hydrant Leg
- Raw Water Line
- Service Line



1 inch = 200 feet

**BOGGY CREEK ROAD**

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C:\Users\mpampouk\Desktop\Toho\_Custom\_Tools.mxd  
12/31/2015 at 10:40:31 AM  
PRODUCED BY: Mike





## **Hotwire Communications (No Response)**



**Orlando Telephone Company  
(No Response)**



## **Osceola County Traffic**



**From:** [Jack Lott](#)  
**To:** [David Ledgerwood](#)  
**Cc:** [Gary Yeager](#)  
**Subject:** FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal  
**Date:** Monday, July 18, 2016 9:52:31 AM  
**Attachments:** [Boggy Creek-Simpson.pdf](#)

---

**Ref: FP ID: 321134-1-22-01 & 321134-2-22-01**

**SR: 417 (Osceola Parkway Extension)**

**County: Orange/Osceola**

**Description: PD&E Study of Osceola Parkway Extension East of Boggy Creek Road**

Mr Ledgerwood,

We recently received notice from Inwood Consulting Engineers of an upcoming construction project that will be impacting Osceola County. We have reviewed the submitted drawings and determined that we have signal communication cable that may be within the scope of your construction project. This is only for traffic signal and/or fiber optic cable owned by Osceola County. We are notifying you of the conflict as requested in your e-mail

( FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal ) dated July 12th 2016.

Attached is the as built drawings for the conflicting location:  
Boggy Creek – Simpson Rd

If I can be of further assistance feel free to contact me at the number below.

Sincerely,

**Jack Lott, Supervisor**  
Osceola County Traffic Operations  
407-742-7534

---

Please Note: Florida has a very broad Public Records Law. E-mails to this entity or its employees may be considered a public record. Your e-mail communication, including your email address may be disclosed to the public and media at any time.



# LEGEND

- (2) SIGNAL POLE NUMBER
- SIGNAL HEAD
- (1) SIGNAL HEAD INDICATOR NUMBER
- ← PEDESTRIAN SIGNAL (POLE OR PEDESTAL MOUNTED)
- PULL BOX
- FIBER OPTIC PULL BOX
- CONTROLLER (BASE MOUNTED)
- VIDEO DETECTION ZONE
- VIDEO DETECTION CAMERA
- UNDERGROUND CONDUIT
- DIRECTIONAL BORE CONDUIT

PEDESTRIAN HEAD DETAIL  
N.T.S.

INTERNALLY ILLUMINATED SIGNS  
DOUBLE SIDED MOUNTED TO  
MAINTAIN FREE SWINGING

VARIES  
(72" MAX)

BOGGY CREEK RD  
2 EA

10" (MAX)

BORE # 4 9/9/14 4-2"  
70' UNDER NEW LANES

BORE # 2 9/8/14 4-2"  
125' STA 90+95

## VIDEO DETECTOR ASSIGNMENTS

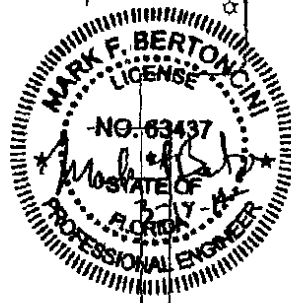
CAMERA	DETECTION ZONE	SIZE	DETECTOR OPERATION	TRUNK FUNCTION	DELAY TIME (SEC)
2	2A-2P	6"x6"	NORMAL	2	-
2	6A	6"x6"	NORMAL	0	-
6	1	6"x6"	NORMAL	1	-
6	6A-6P	6"x6"	NORMAL	0	-
6	6P1-6P3	6"x6"	NORMAL	0	-
6	3A-3P	6"x6"	NORMAL	3	-
6	6P	6"x6"	DELAY	3	3

## REMOVAL ITEMS

ITEM NO.	DESCRIPTION	UNIT	TOTAL
890-10	REMOVE TRAFFIC SIGNAL HEAD ASSEMBLY	EA	6
890-31-2	REMOVE COMPLETE POLE (DEP)	EA	2
890-30	REMOVE CONTROLLER ASSEMBLY	EA	1
890-60	REMOVE DETECTOR VEHICLE ASSEMBLY	EA	1

## NOTE REGARDING QUANTITIES

QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CALCULATING HIS OWN QUANTITIES TO CONSTRUCT THE TRAFFIC SIGNAL PER PLAN.

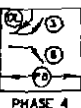


**OSCEOLA COUNTY**  
ENGINEERING DEPARTMENT  
BOGGY CREEK ROADWAY WIDENING

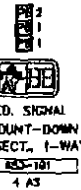
SIGNALIZATION PLAN  
BOGGY CREEK ROAD AT  
BOGGY CREEK ROAD

SHEET  
NO.

T-3  
APPENDIX B, PAGE 70



PHASE 4



PED. SIGNAL  
COUNT-DOWN  
SECT. 1-WAY  
853-101  
4 AS



PED. SIGNAL  
COUNT-DOWN



BORE # 1  
9/8/14 4-2"  
125' 211+05

POLE LOCATION =  
STA 37+25.08, 58.84' LT.  
830-2-11 1 EA  
830-2-12 1 EA  
849-31-202 1 EA

POLE LOCATION =  
STA 37+25.08, 58.84' LT.  
830-2-11 1 EA  
830-2-12 1 EA  
849-31-202 1 EA

POLE LOCATION =  
STA 37+25.08, 58.84' LT.  
830-2-11 1 EA  
830-2-12 1 EA  
849-31-202 1 EA

BORE # 3  
9/9/14 4-2"  
130' 209+80



## **Orlando Utilities Commission**



## David Ledgerwood

---

**From:** Reyes, Eva <EReyes@ouc.com>  
**Sent:** Wednesday, September 14, 2016 9:48 AM  
**To:** David Ledgerwood  
**Subject:** FP ID: 321134-1-22-01 & 321134-2-22-01 PD&E Study of Osceola Parkway Extension East of Boggy Creek Road  
**Attachments:** Clapp Simms Duda Rd EENGcolor (1).pdf; Clapp Simms Duda Rd Layout1-EENGcolor (2).pdf

**FP ID: 321134-1-22-01 & 321134-2-22-01**

**SR: 417 (Osceola Parkway Extension)**

**County: Orange/Osceola**

**Description: PD&E Study of Osceola Parkway Extension East of Boggy Creek Road**

Good morning David,

Attached you will find 2 drawings showing the potential conflicts identified for the project in reference. Please let me know if you need anything else or if you have any additional questions.

Thanks

*Eva M. Reyes, P.E.*

Senior Engineer

**Orlando Utilities Commission**

**Electric Engineering**

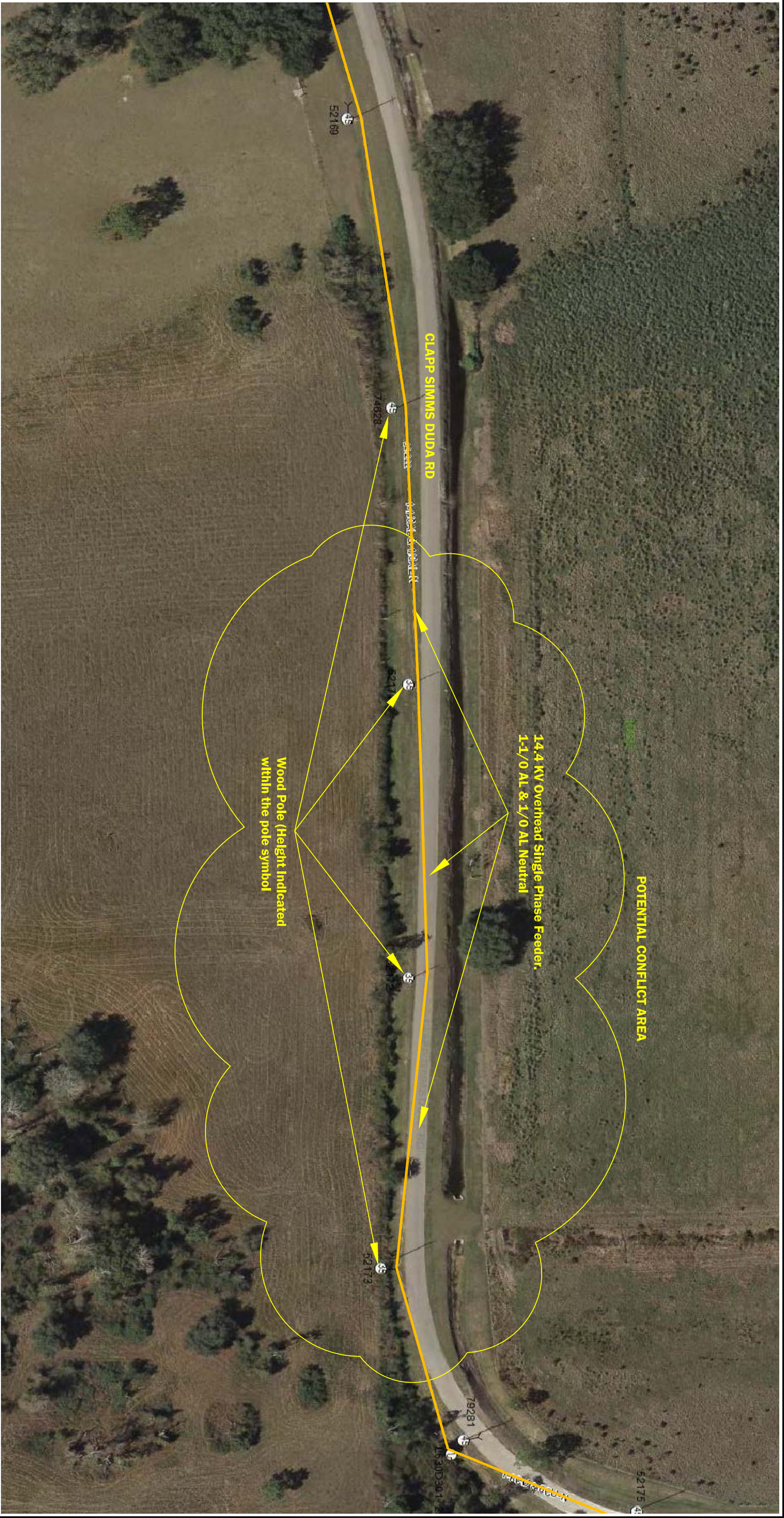
407-434-4140

---

**DISCLAIMER:**

Florida has a very broad public records law. As a result, any written communication created or received by Orlando Utilities Commission officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.





POTENTIAL CONFLICT AREA

14.4 kV Overhead Single Phase Feeder.  
1-1/0 AL & 1/0 AL Neutral

Wood Pole (Height Indicated  
within the pole symbol

CLAPP SIMMS DUDA RD

52169

74828

52171

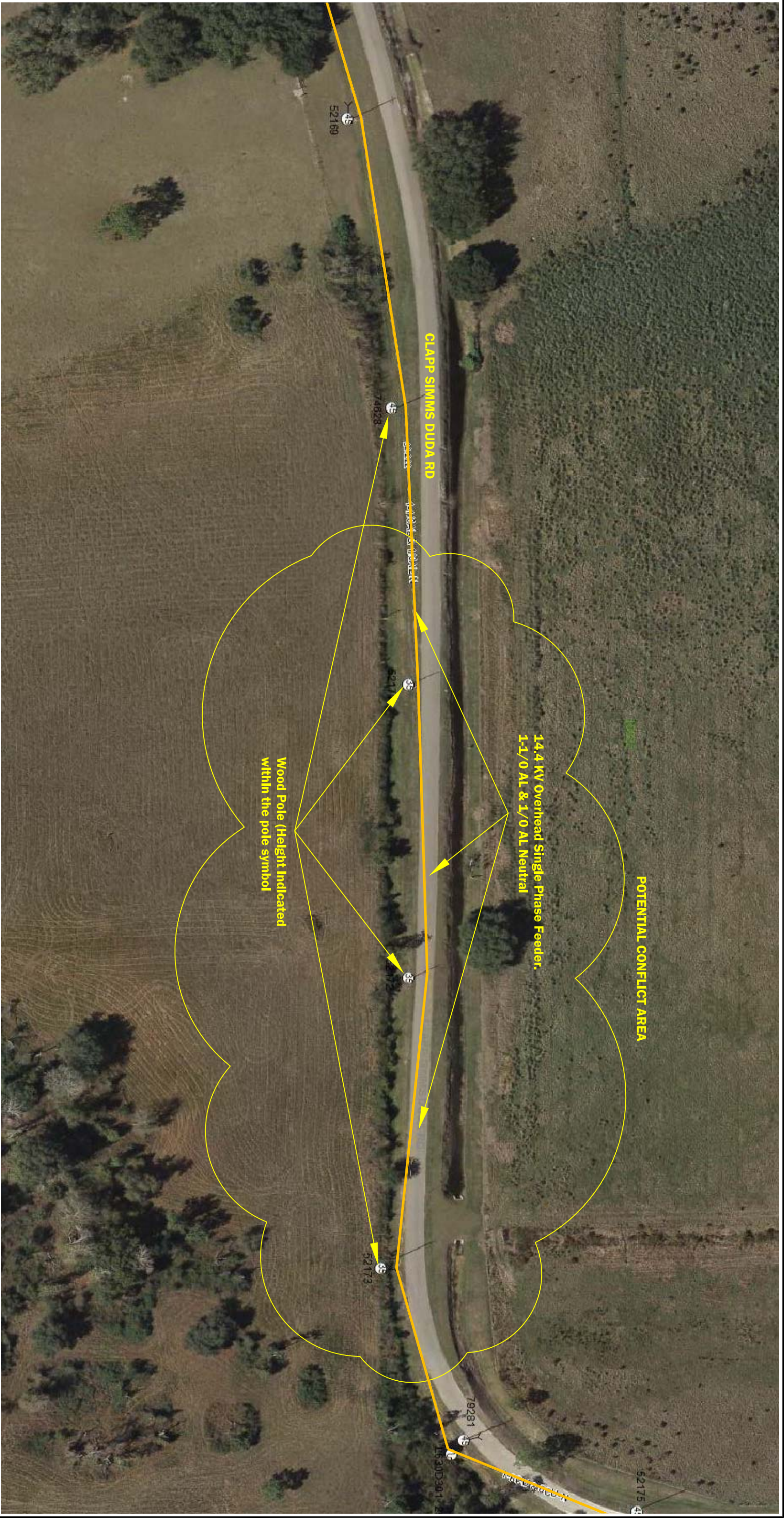
52173

79281

1630D3012

52173

52175



POTENTIAL CONFLICT AREA

14.4 kV Overhead Single Phase Feeder.  
1-1/0 AL & 1/0 AL Neutral

Wood Pole (Height Indicated  
within the pole symbol

CLAPP SIMMS DUDA RD

52169

74828

52171


52173

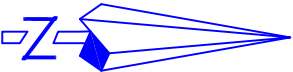
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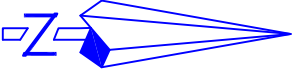
52175


 <b>The Reliable One</b>		ePETS#		DATE: 9/13/2016
Electric Engineering Distribution 6003 Pershing Ave. Orlando, FL 32822 (407) 384-4100		JOB NAME: Osceola Pway Extension		
		LOCATION: FPID 432134-1-22-01 & 432134-2-22-01		
DESIGNER: Eva M. Reyes, P.E.		INSPECTOR:		MAP PANEL:
CONTRACTOR INVOICE #				











The Reliable One<sup>®</sup>

Electric Engineering  
Distribution  
6003 Pershing Ave.  
Orlando, FL 32822  
(407) 384-4100

ePETS#  
JOB NAME: Osceola Pway Extension  
LOCATION: FPID 432134-1-22-01 & 432134-2-22-01

DATE: 9/13/2016

DESIGNER: Eva M. Reyes, P.E.  
INSPECTOR:  
CONTRACTOR INVOICE #

MAP PANEL:



## **AT&T Distribution**



**From:** [MINDRUM, RICHARD](#)  
**To:** [David Ledgerwood](#)  
**Cc:** [REYNOLDS, ALAN](#); [MINDRUM, RICHARD](#)  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal  
**Date:** Friday, July 29, 2016 9:00:26 AM

---

David,

I will be send you a AT&T Florida File Drop showing AT&T Florida's facilities in the areas of construction. You will have to set up your own user name & password.

Direct any questions or concerns to Alan Reynolds at [ar2916@att.com](mailto:ar2916@att.com).

Thank you

**R. (Rich) Mindrum**

Project Manager Utility Relocations

PEA Inc.

321.695.6049

---

**From:** REYNOLDS, ALAN  
**Sent:** Thursday, July 28, 2016 4:32 PM  
**To:** MINDRUM, RICHARD  
**Subject:** FW: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

---

**From:** David Ledgerwood [<mailto:dledgerwood@inwoodinc.com>]  
**Sent:** Thursday, July 28, 2016 4:12 PM  
**To:** [rpelham@tohowater.com](mailto:rpelham@tohowater.com); [pgallub@hotwiremail.com](mailto:pgallub@hotwiremail.com); [blean@summit-broadband.com](mailto:blean@summit-broadband.com); [permit@summit-broadband.com](mailto:permit@summit-broadband.com); [lpares@ouc.com](mailto:lpares@ouc.com); [developmentservices@ouc.com](mailto:developmentservices@ouc.com); [rparker@ouc.com](mailto:rparker@ouc.com); REYNOLDS, ALAN <[ar2916@att.com](mailto:ar2916@att.com)>; [cesar\\_Rivera@cable.comcast.com](mailto:cesar_Rivera@cable.comcast.com); [mark.d.caldwell@sprint.com](mailto:mark.d.caldwell@sprint.com); [lindy.w.rich@centurylink.com](mailto:lindy.w.rich@centurylink.com)  
**Cc:** David Graeber <[dgraeber@inwoodinc.com](mailto:dgraeber@inwoodinc.com)>  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

All,

This email is a friendly reminder that mark-ups of existing facilities for this project are due next

**Friday August 5<sup>th</sup>**. Please feel free to contact me if you have any questions regarding the project or if there is anything we can do to assist with preparing your mark-ups.

Thanks.

**David Ledgerwood, PE**

---

**INWOOD CONSULTING ENGINEERS**

Office: 407-971-8850

Direct: 407-205-1474

---

**From:** David Ledgerwood  
**Sent:** Monday, July 11, 2016 2:46 PM  
**To:** 'vmiller@stcloud.org' <[vmiller@stcloud.org](mailto:vmiller@stcloud.org)>; 'marvin.usry@mybighthouse.com' <[marvin.usry@mybighthouse.com](mailto:marvin.usry@mybighthouse.com)>; 'defdistributiongov@duke-energy.com' <[defdistributiongov@duke-energy.com](mailto:defdistributiongov@duke-energy.com)>; 'peftransmissiongov@duke-energy.com' <[peftransmissiongov@duke-energy.com](mailto:peftransmissiongov@duke-energy.com)>; 'rpelham@tohowater.com' <[rpelham@tohowater.com](mailto:rpelham@tohowater.com)>; 'pgallub@hotwiremail.com' <[pgallub@hotwiremail.com](mailto:pgallub@hotwiremail.com)>; 'blean@summit-broadband.com'



<[blean@summit-broadband.com](mailto:blean@summit-broadband.com)>; 'permit@summit-broadband.com' <[permit@summit-broadband.com](mailto:permit@summit-broadband.com)>; 'rfri@osceola.org' <[rfri@osceola.org](mailto:rfri@osceola.org)>; 'lpares@ouc.com' <[lpares@ouc.com](mailto:lpares@ouc.com)>; 'developmentsservices@ouc.com' <[developmentsservices@ouc.com](mailto:developmentsservices@ouc.com)>; 'rparker@ouc.com' <[rparker@ouc.com](mailto:rparker@ouc.com)>; 'ar2916@att.com' <[ar2916@att.com](mailto:ar2916@att.com)>; 'cesar\_Rivera@cable.comcast.com' <[cesar\\_Rivera@cable.comcast.com](mailto:cesar_Rivera@cable.comcast.com)>; 'mark.d.caldwell@sprint.com' <[mark.d.caldwell@sprint.com](mailto:mark.d.caldwell@sprint.com)>; 'lindy.w.rich@centurylink.com' <[lindy.w.rich@centurylink.com](mailto:lindy.w.rich@centurylink.com)>

**Cc:** David Graeber <[dgraeber@inwoodinc.com](mailto:dgraeber@inwoodinc.com)>

**Subject:** FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

**This contact is being done completely electronically, but if you need anything in a hard copy format or an electronic copy of the plans, please let me know.**

**FP ID: 321134-1-22-01 & 321134-2-22-01**

**SR: 417 (Osceola Parkway Extension)**

**County: Orange/Osceola**

**Description: PD&E Study of Osceola Parkway Extension East of Boggy Creek Road**

Inwood Consulting Engineers has been selected to represent the OCX in utility coordination between the Expressway and your agency on the above referenced project. Please address all correspondence, verbal and written to Inwood.

In an effort to better coordinate the selection of corridor alternatives and their impact on utilities, I am providing for your review the corridor preliminary concept plans that are presently being considered by OCX. Pdf's of the concept plans are located on the Inwood ftp site under the **"Osceola Parkway Utilities"** folder for your use.

You can access the Inwood ftp site by clicking the following link:

<ftp://inwoodftp:ftpinwood@ftp2.inwoodinc.com/ftp>

If prompted, The Username is **"inwoodftp"**, the Password is **"ftpinwood"**, and the FTP Folder is **"ftp"**.

I am requesting you to prepare a rough cost estimate on a per mile basis for the relocation of the existing facilities on the project. Also, please mark-up and return one (1) set of maps indicating the location, size and type, etc., of your existing and proposed facilities. The mark-up should also identify all known **EASEMENTS** or other lands of ownership rights.

In your correspondence to my office, please make reference to the FPID and description as listed above. This information will need to be returned by **August 5, 2016**.

Thank you for your cooperation. We will make sure the information, which you have furnished, will be considered prior to establishing future corridor(s). Please feel free to contact me should you have any questions regarding the project or need any additional information.

Thank you.

**David Ledgerwood, PE**

**PROJECT ENGINEER**

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**INWOOD CONSULTING ENGINEERS**

3000 Dovera Dr., Suite 200, Oviedo, FL 32765

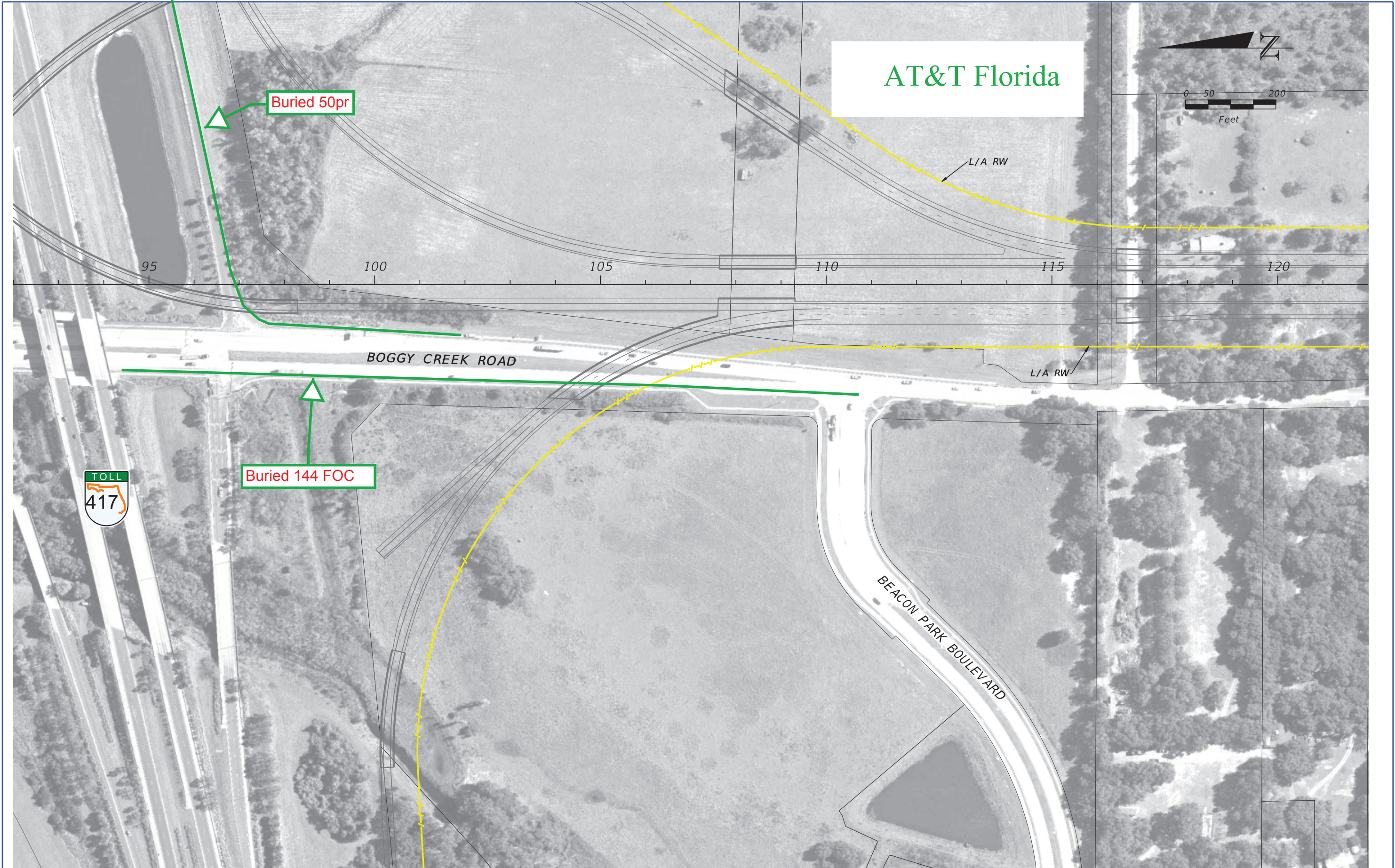
Office: 407-971-8850

Direct: 407-205-1474

Fax: 407-971-8955

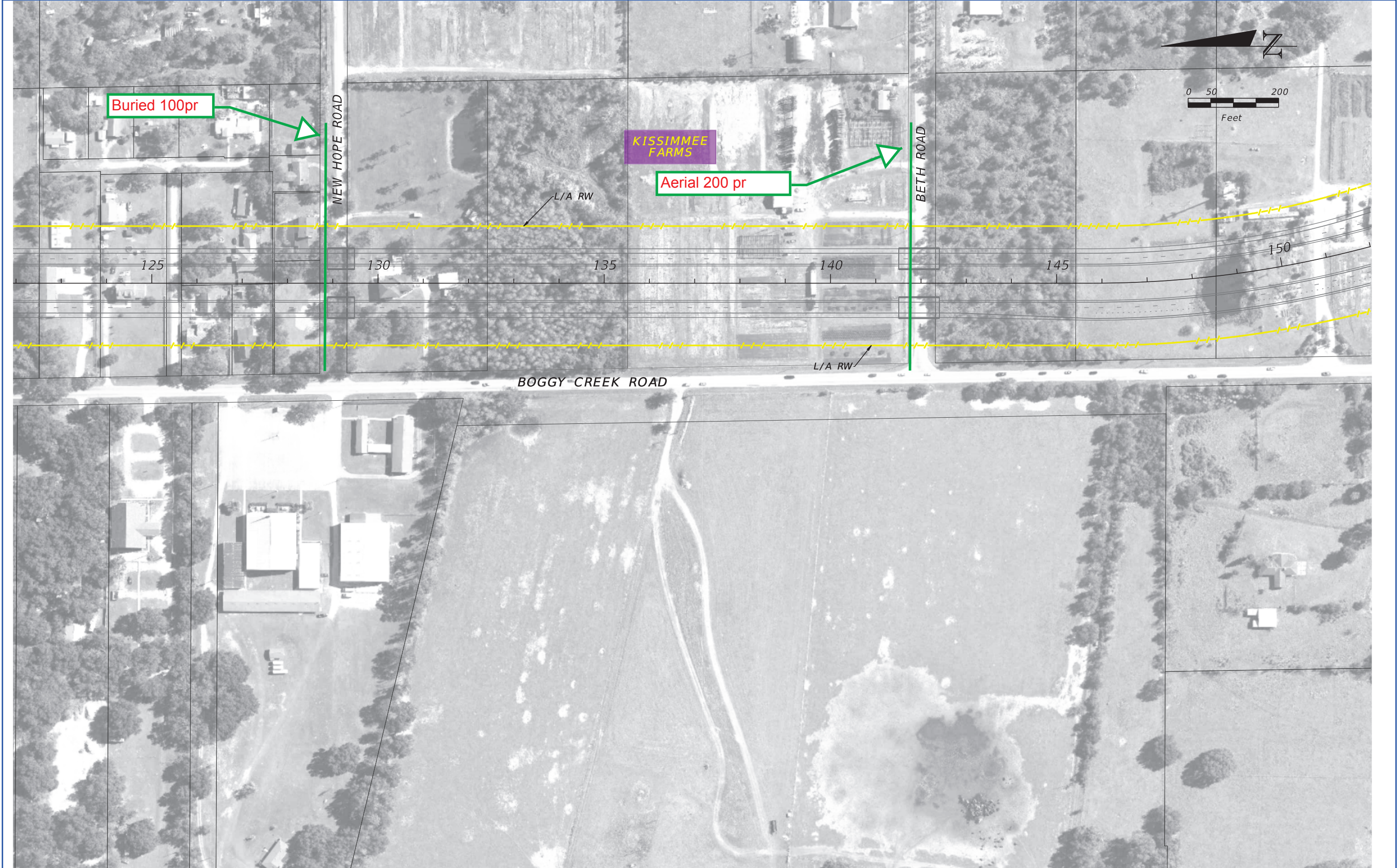
[dledgerwood@inwoodinc.com](mailto:dledgerwood@inwoodinc.com)





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	07/29/16	SHEET NO.  1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			





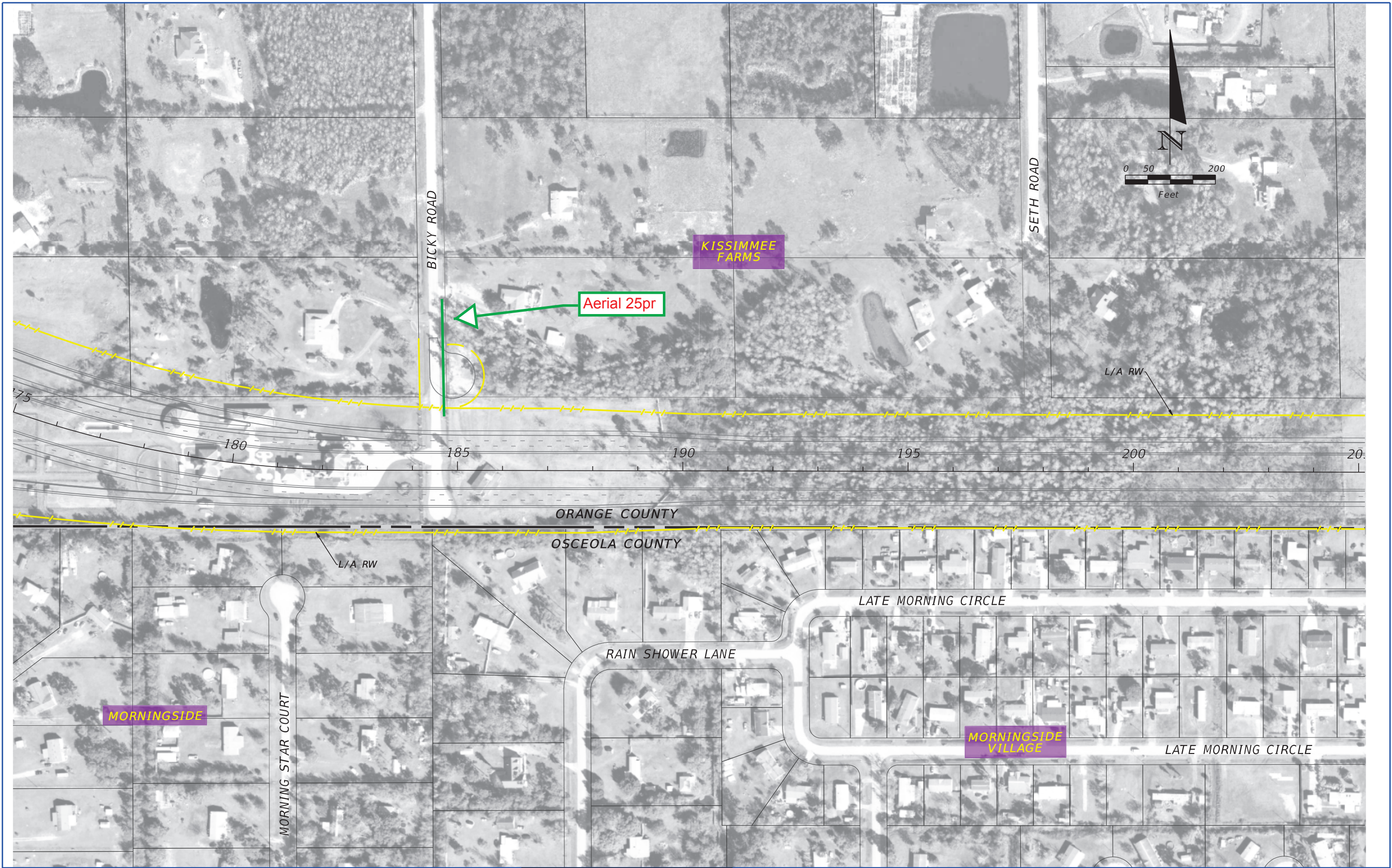
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			2
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			





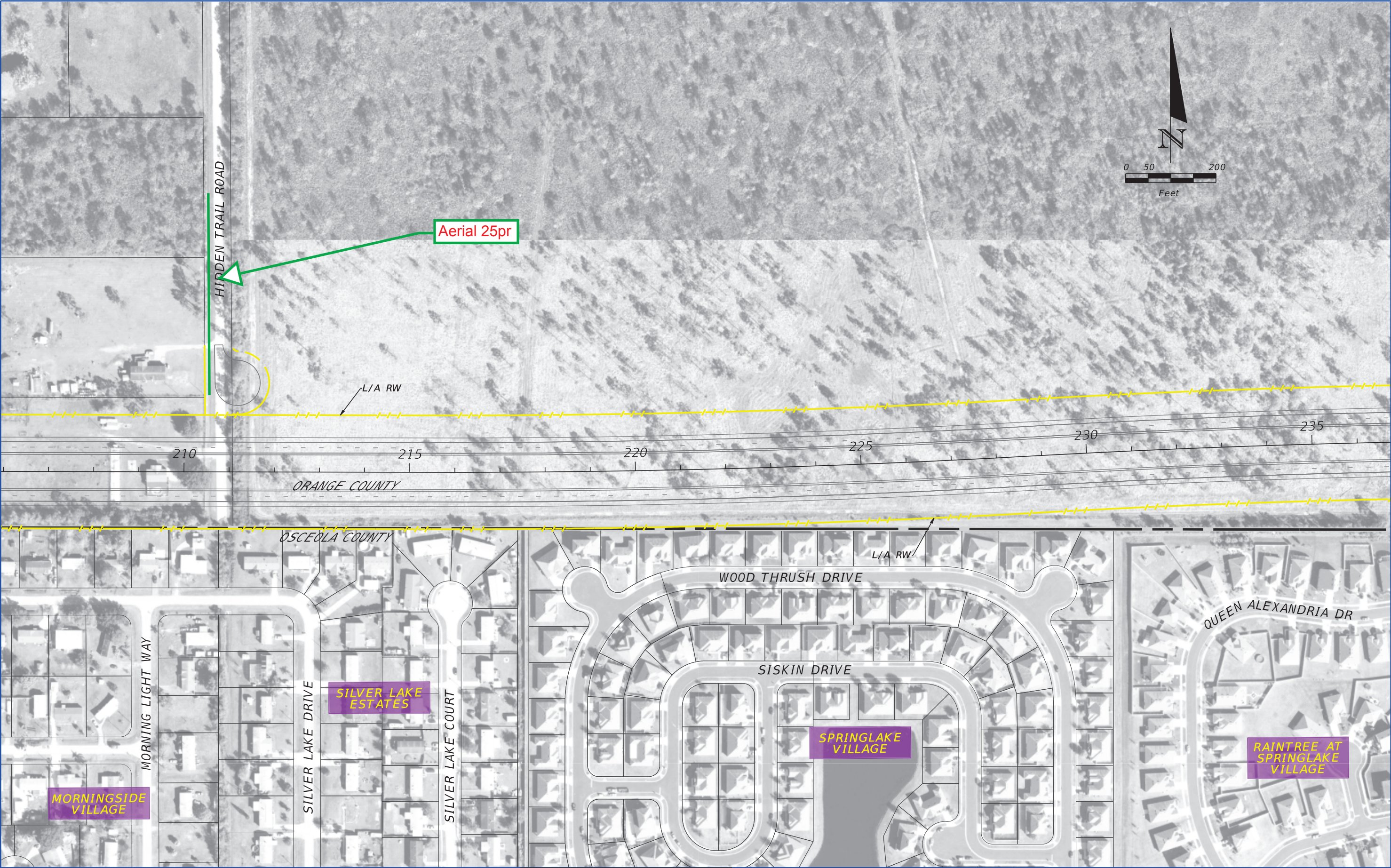
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





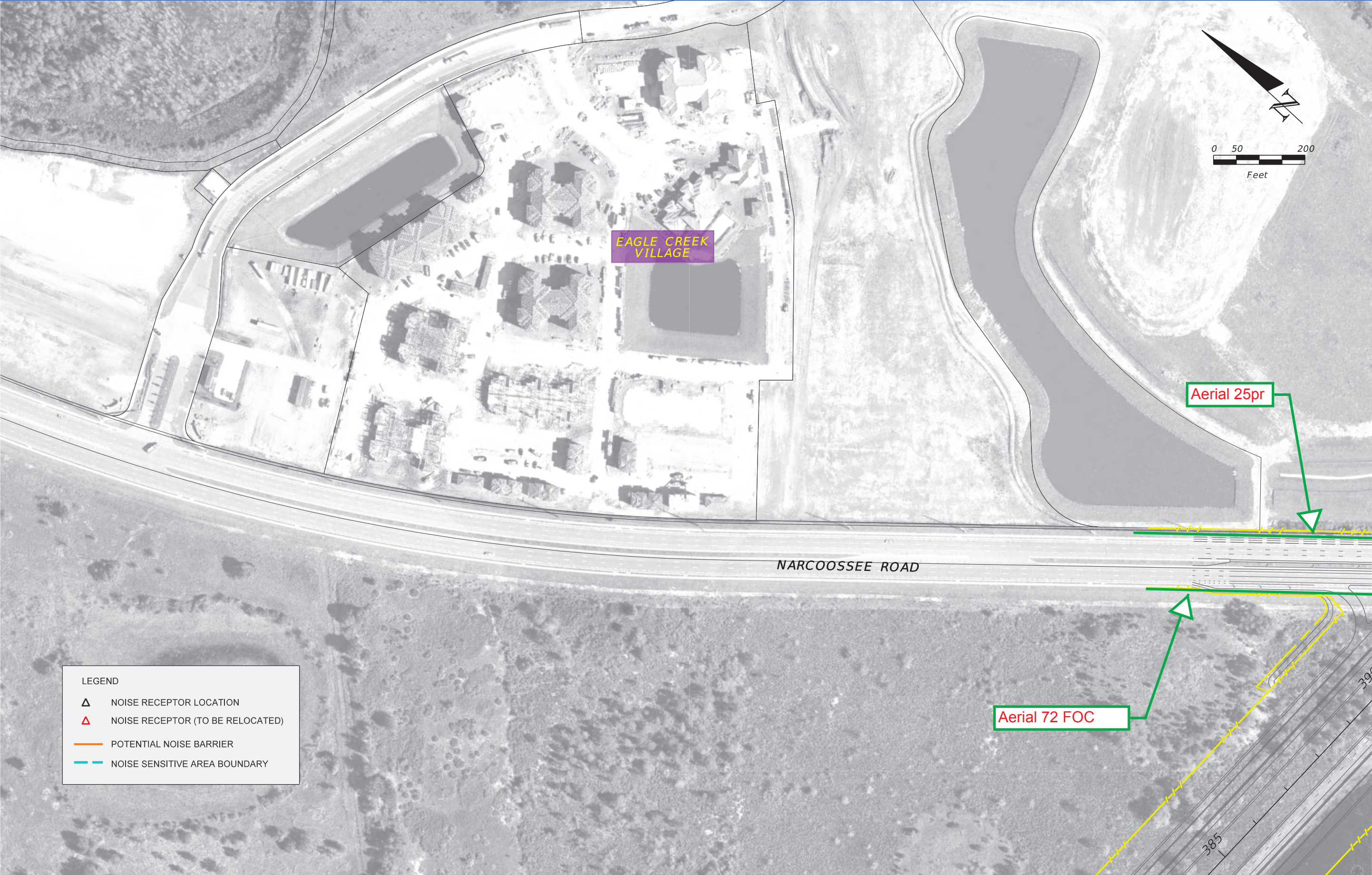
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.  5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			11A
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			

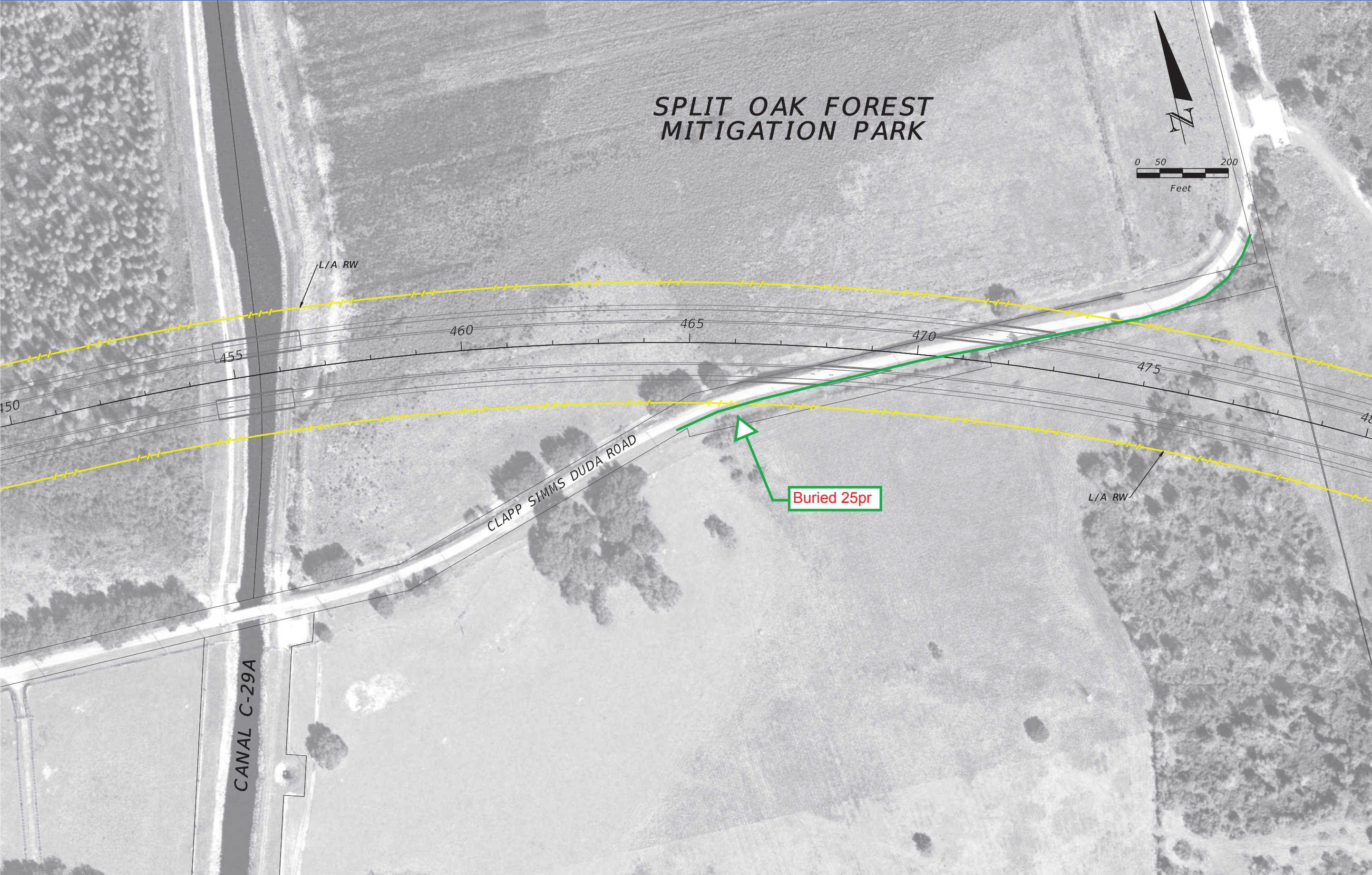
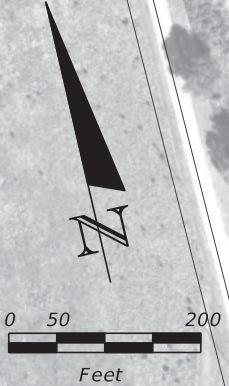




REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  11B
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		



SPLIT OAK FOREST  
MITIGATION PARK



REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			13
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			



## **Comcast Communications**



## David Ledgerwood

---

**From:** Rivera, Cesar <Cesar\_Rivera@comcast.com>  
**Sent:** Wednesday, September 21, 2016 12:30 PM  
**To:** David Ledgerwood  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal\_Comcast  
**Attachments:** Comcast marked Proj\_Aerials.pdf

Hi David,

Here are my findings for the subject.

Any questions feel free to contact me.

Thanks

*Cesar Rivera  
Comcast  
Outside Plant  
Project Coordinator  
Office: 352-315-8528*



---

**From:** David Ledgerwood [mailto:dledgerwood@inwoodinc.com]  
**Sent:** Monday, August 22, 2016 3:06 PM  
**To:** rpelham@tohowater.com; pgallub@hotwiremail.com; blean@summit-broadband.com; permit@summit-broadband.com; lpares@ouc.com; developmentservices@ouc.com; rparker@ouc.com; Rivera, Cesar <Cesar\_Rivera@cable.comcast.com>; lindy.w.rich@centurylink.com  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

According to our records, we sent you an email on **7/11/2016** concerning the disposition of your facilities within the limits of the above-mentioned project.

In order to complete the production of this project, we will need the following item(s) from your office by **September 6, 2016.**

- **A letter/email of reply stating that you do or do not have facilities located within the limits of this project. This letter should also indicate as to whether or not your existing facilities are located within the existing right of way. If you have facilities within the project limits, you will also need to return one set of marked plans indicating the size, type, and location of these facilities (color code outline in the original email)**
- **Approximate relocation cost per mile of facilities located within the project.**



As stated, in order to meet the Department's production schedule on this project, it will be necessary for these items to be in our office by **September 6, 2016**.

All pdf files for the concept plans are still located on the Inwood ftp site and available for download through the link included with the original email below.

Please respond to this email with the present status of the above marked items) and approximately when we may expect to receive the item(s). This notification is being sent based on our records. If your office has submitted information regarding the project, please let me know and we will update our records.

Thank you for your cooperation. If we may assist you in any way to promote the rapid return of this material, please call.

**David Ledgerwood, PE**  
**INWOOD CONSULTING ENGINEERS**  
Office: 407-971-8850  
Direct: 407-205-1474

---

**From:** David Ledgerwood  
**Sent:** Thursday, July 28, 2016 4:12 PM  
**To:** 'rpelham@tohowater.com' <[rpelham@tohowater.com](mailto:rpelham@tohowater.com)>; 'pgallub@hotmail.com' <[pgallub@hotmail.com](mailto:pgallub@hotmail.com)>; 'blean@summit-broadband.com' <[blean@summit-broadband.com](mailto:blean@summit-broadband.com)>; 'permit@summit-broadband.com' <[permit@summit-broadband.com](mailto:permit@summit-broadband.com)>; 'lpares@ouc.com' <[lpares@ouc.com](mailto:lpares@ouc.com)>; 'developmentservices@ouc.com' <[developmentservices@ouc.com](mailto:developmentservices@ouc.com)>; 'rparker@ouc.com' <[rparker@ouc.com](mailto:rparker@ouc.com)>; 'ar2916@att.com' <[ar2916@att.com](mailto:ar2916@att.com)>; 'cesar\_Rivera@cable.comcast.com' <[cesar\\_Rivera@cable.comcast.com](mailto:cesar_Rivera@cable.comcast.com)>; 'mark.d.caldwell@sprint.com' <[mark.d.caldwell@sprint.com](mailto:mark.d.caldwell@sprint.com)>; 'lindy.w.rich@centurylink.com' <[lindy.w.rich@centurylink.com](mailto:lindy.w.rich@centurylink.com)>  
**Cc:** David Graeber <[dgraeber@inwoodinc.com](mailto:dgraeber@inwoodinc.com)>  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

All,

This email is a friendly reminder that mark-ups of existing facilities for this project are due next **Friday August 5<sup>th</sup>**. Please feel free to contact me if you have any questions regarding the project or if there is anything we can do to assist with preparing your mark-ups.

Thanks.

**David Ledgerwood, PE**

---

**INWOOD CONSULTING ENGINEERS**  
Office: 407-971-8850  
Direct: 407-205-1474

---

**From:** David Ledgerwood  
**Sent:** Monday, July 11, 2016 2:46 PM  
**To:** 'vmiller@stcloud.org' <[vmiller@stcloud.org](mailto:vmiller@stcloud.org)>; 'marvin.usry@mybriighthouse.com' <[marvin.usry@mybriighthouse.com](mailto:marvin.usry@mybriighthouse.com)>; 'defdistributiongov@duke-energy.com' <[defdistributiongov@duke-energy.com](mailto:defdistributiongov@duke-energy.com)>; 'peftransmissiongov@duke-energy.com' <[peftransmissiongov@duke-energy.com](mailto:peftransmissiongov@duke-energy.com)>; 'rpelham@tohowater.com' <[rpelham@tohowater.com](mailto:rpelham@tohowater.com)>; 'pgallub@hotmail.com' <[pgallub@hotmail.com](mailto:pgallub@hotmail.com)>; 'blean@summit-broadband.com' <[blean@summit-broadband.com](mailto:blean@summit-broadband.com)>; 'permit@summit-broadband.com' <[permit@summit-broadband.com](mailto:permit@summit-broadband.com)>; 'rfri@osceola.org' <[rfri@osceola.org](mailto:rfri@osceola.org)>; 'lpares@ouc.com' <[lpares@ouc.com](mailto:lpares@ouc.com)>; 'developmentservices@ouc.com' <[developmentservices@ouc.com](mailto:developmentservices@ouc.com)>; 'rparker@ouc.com' <[rparker@ouc.com](mailto:rparker@ouc.com)>; 'ar2916@att.com' <[ar2916@att.com](mailto:ar2916@att.com)>; 'cesar\_Rivera@cable.comcast.com' <[cesar\\_Rivera@cable.comcast.com](mailto:cesar_Rivera@cable.comcast.com)>; 'mark.d.caldwell@sprint.com' <[mark.d.caldwell@sprint.com](mailto:mark.d.caldwell@sprint.com)>; 'lindy.w.rich@centurylink.com'



<[lindy.w.rich@centurylink.com](mailto:lindy.w.rich@centurylink.com)>

Cc: David Graeber <[dgraeber@inwoodinc.com](mailto:dgraeber@inwoodinc.com)>

Subject: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

This contact is being done completely electronically, but if you need anything in a hard copy format or an electronic copy of the plans, please let me know.

**FP ID: 321134-1-22-01 & 321134-2-22-01**  
**SR: 417 (Osceola Parkway Extension)**  
**County: Orange/Osceola**  
**Description: PD&E Study of Osceola Parkway Extension East of Boggy Creek Road**

Inwood Consulting Engineers has been selected to represent the OCX in utility coordination between the Expressway and your agency on the above referenced project. Please address all correspondence, verbal and written to Inwood.

In an effort to better coordinate the selection of corridor alternatives and their impact on utilities, I am providing for your review the corridor preliminary concept plans that are presently being considered by OCX. Pdf's of the concept plans are located on the Inwood ftp site under the "**Osceola Parkway Utilities**" folder for your use.

You can access the Inwood ftp site by clicking the following link:

<ftp://inwoodftp:ftpinwood@ftp2.inwoodinc.com/ftp>

If prompted, The Username is "**inwoodftp**", the Password is "**ftpinwood**", and the FTP Folder is "**ftp**".

I am requesting you to prepare a rough cost estimate on a per mile basis for the relocation of the existing facilities on the project. Also, please mark-up and return one (1) set of maps indicating the location, size and type, etc., of your existing and proposed facilities. The mark-up should also identify all known **EASEMENTS** or other lands of ownership rights.

In your correspondence to my office, please make reference to the FPID and description as listed above. This information will need to be returned by **August 5, 2016**.

Thank you for your cooperation. We will make sure the information, which you have furnished, will be considered prior to establishing future corridor(s). Please feel free to contact me should you have any questions regarding the project or need any additional information.

Thank you.

**David Ledgerwood, PE**  
**PROJECT ENGINEER**

---

**INWOOD CONSULTING ENGINEERS**

3000 Dovera Dr., Suite 200, Oviedo, FL 32765

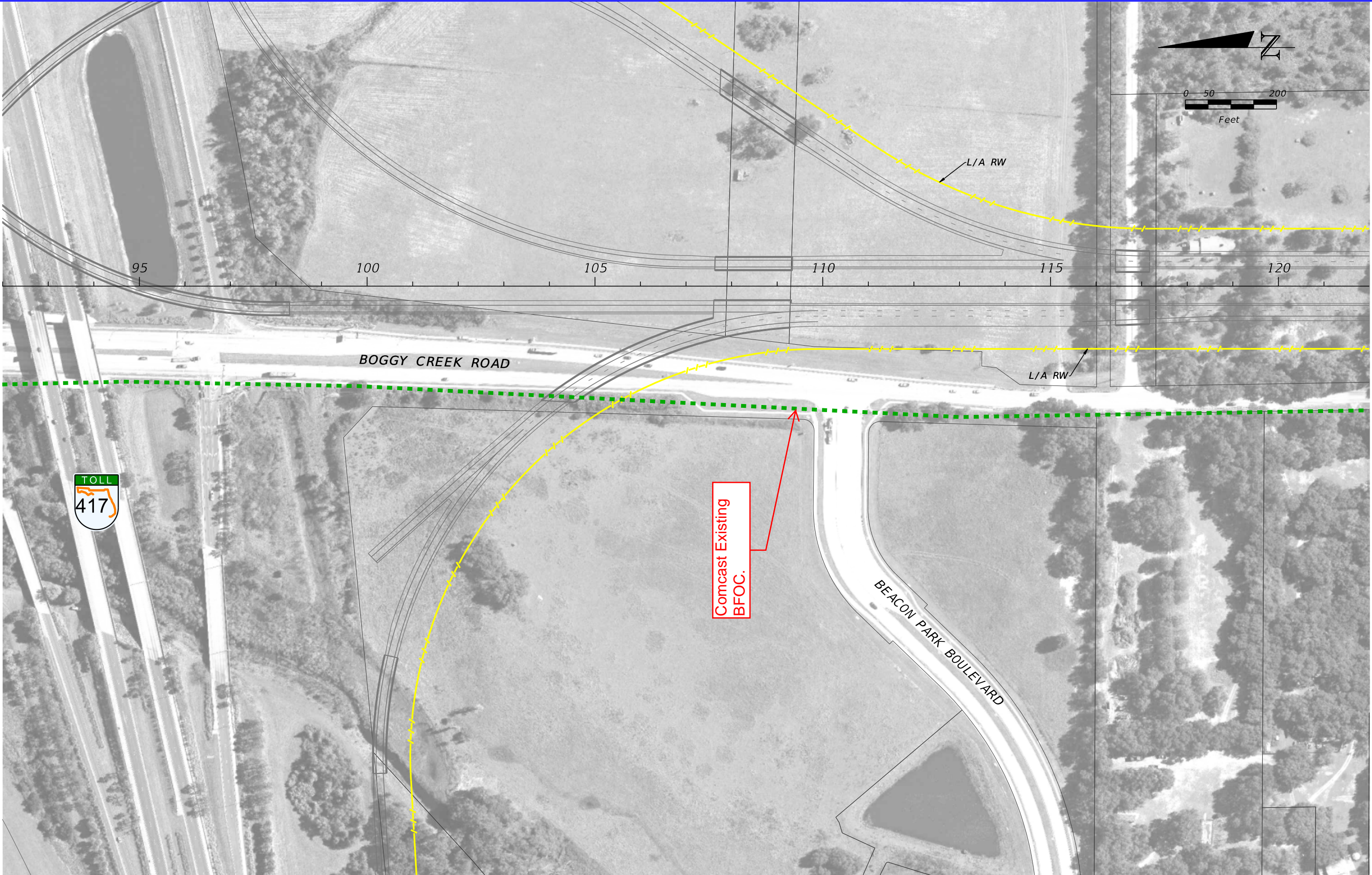
Office: 407-971-8850


Direct: 407-205-1474

Fax: 407-971-8955

[dledgerwood@inwoodinc.com](mailto:dledgerwood@inwoodinc.com)





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  1
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		2
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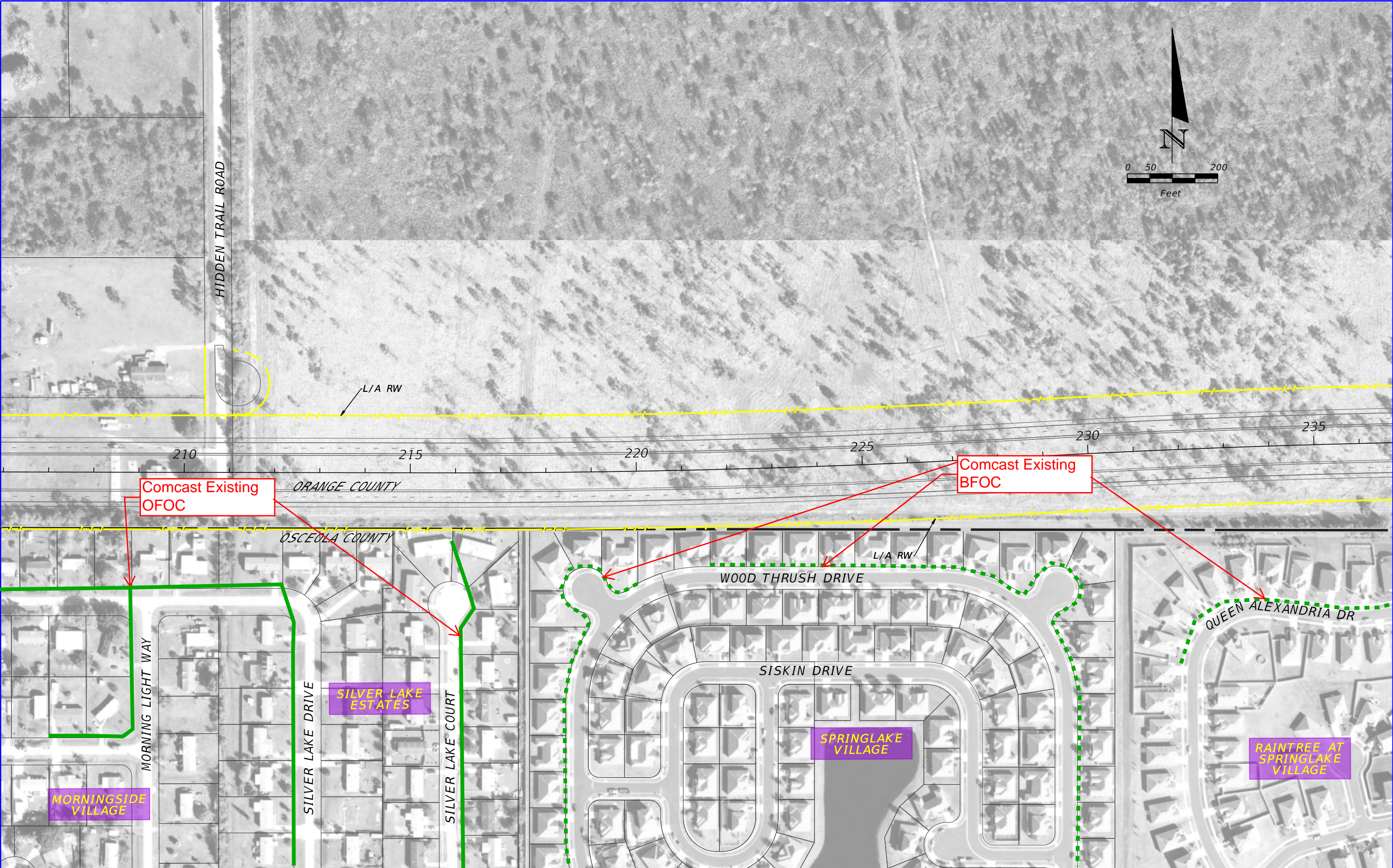
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  3
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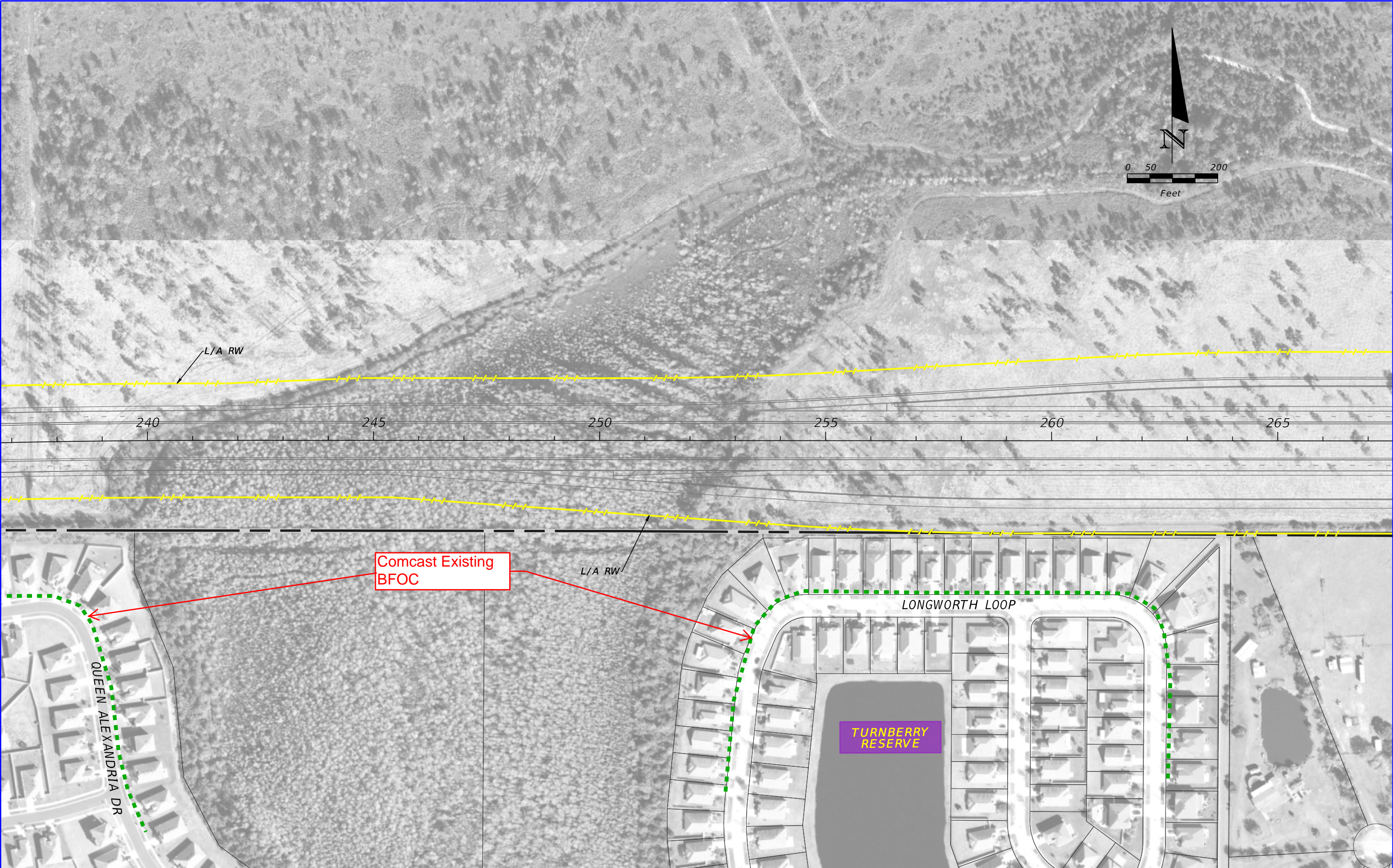
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  4
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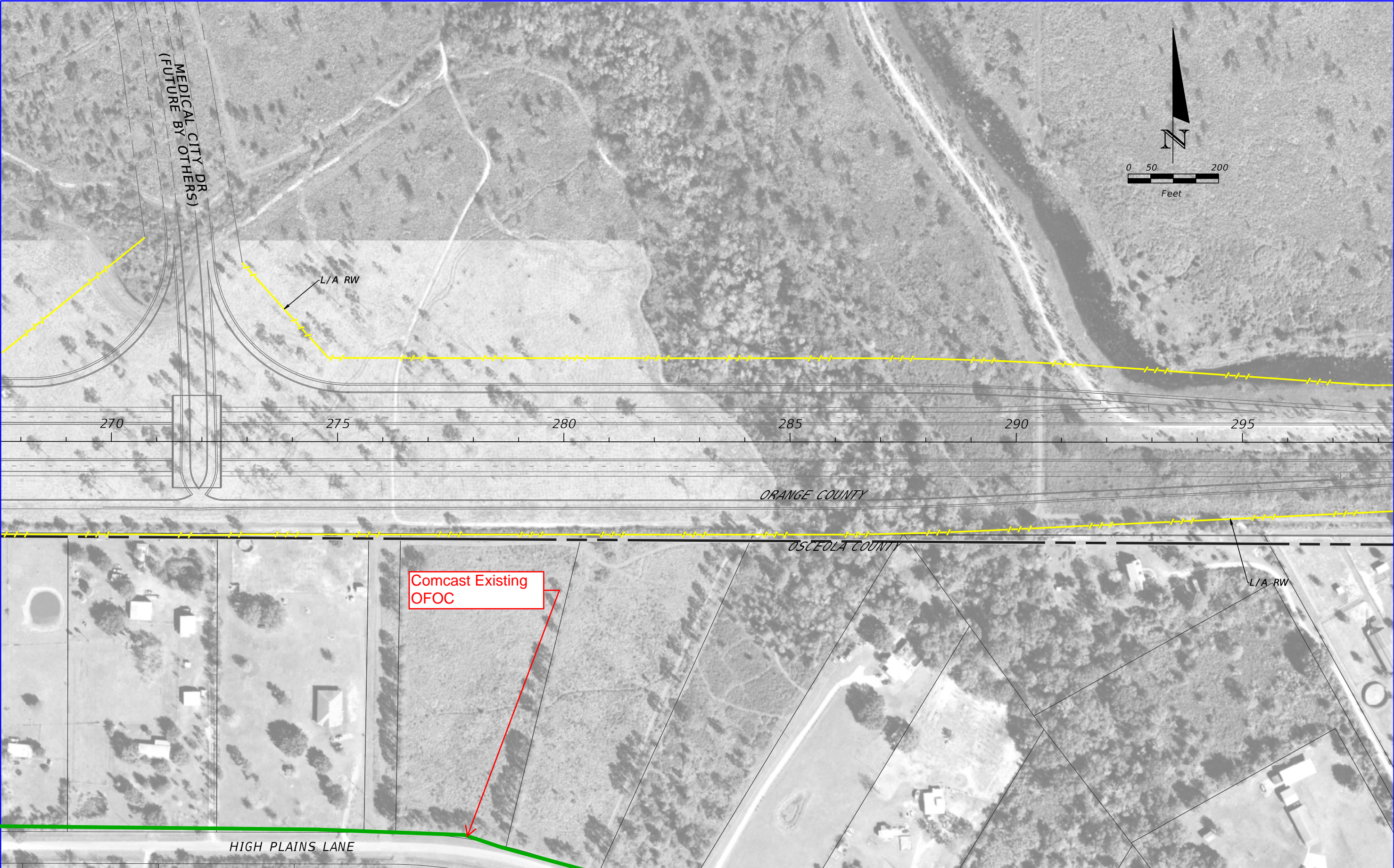
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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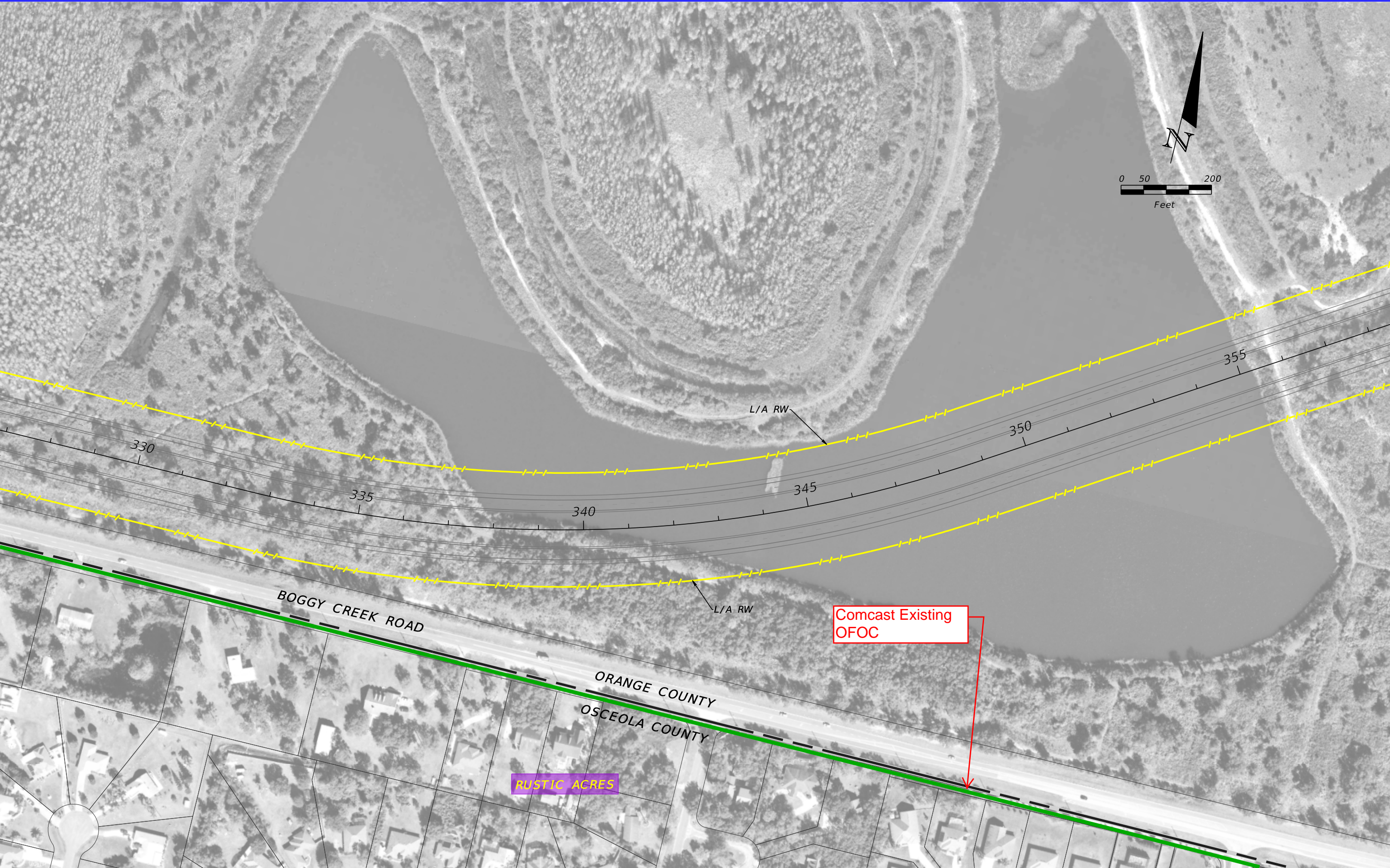
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		9



## **Sprint Nextel**



**From:** [Jon Baker](#)  
**To:** [David Ledgerwood](#)  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal  
**Date:** Tuesday, August 16, 2016 3:37:19 PM  
**Attachments:** [OsceolaPrkwyGL.pdf](#)

---

David,  
Please see attached for Sprints approx. location on this project. Once you have roadway plans please send so we can get a better idea of what we will need to relocate. At that time we will be able to give you a cost estimate for the relocation. Without plans it is hard to determine if and where we will be in conflict. Sorry for the slow response.

-----Original Message-----

**From:** David Ledgerwood  
**Sent:** Jul 26, 2016 7:42 AM  
**To:** Jon Baker  
**Subject:** RE: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

Jon,

The link for the ftp site is as follows:

<ftp://inwoodftp:ftpinwood@ftp2.inwoodinc.com/ftp>

The files are located in the "Osceola Parkway Utilities" folder.

If prompted, The Username is "**inwoodftp**", the Password is "**ftpinwood**", and the FTP Folder is "**ftp**".

Let me know if you still have problems accessing and we will look at other options to get you the plans.

Thanks.

**David Ledgerwood, PE**

---

**INWOOD CONSULTING ENGINEERS**

Office: 407-971-8850

Direct: 407-205-1474

---

**From:** Jon Baker [mailto:[hummbling@mpinet.net](mailto:hummbling@mpinet.net)]  
**Sent:** Monday, July 25, 2016 10:03 PM  
**To:** David Ledgerwood <[dledgerwood@inwoodinc.com](mailto:dledgerwood@inwoodinc.com)>  
**Subject:** FW: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

David,  
Mark asked me to review this project but for some reason it gives me an error when I try to open can you please resend to me at this email address.

Thank you  
Jon Baker



-----Forwarded Message-----

From: "Caldwell, Mark D [CTO]"

Sent: Jul 13, 2016 7:18 PM

To: "Jon Baker ([hummbling@mpinet.net](mailto:hummbling@mpinet.net))"

Subject: FW: FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

Jon,

See attachments for Plan Reviews, review & reply and place on tracking sheet. CC me on all replies.

Thanks

**Mark D. Caldwell**

Network Facilities Engineer II/OSP – East  
851 Trafalgar Ct, Suite 300, Maitland, Florida 32751

O: 321-280-2178 / M: 321-287-9942

[Mark.d.caldwell@sprint.com](mailto:Mark.d.caldwell@sprint.com)



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---

**From:** David Ledgerwood [<mailto:dledgerwood@inwoodinc.com>]

**Sent:** Monday, July 11, 2016 2:46 PM

**To:** [vmiller@stcloud.org](mailto:vmiller@stcloud.org); [marvin.usry@mybriighthouse.com](mailto:marvin.usry@mybriighthouse.com);  
[defdistributiongov@duke-energy.com](mailto:defdistributiongov@duke-energy.com); [peftransmissiongov@duke-energy.com](mailto:peftransmissiongov@duke-energy.com);  
[rpelham@tohowater.com](mailto:rpelham@tohowater.com); [pgallub@hotmail.com](mailto:pgallub@hotmail.com); [blean@summit-broadband.com](mailto:blean@summit-broadband.com);  
[permit@summit-broadband.com](mailto:permit@summit-broadband.com); [rfri@osceola.org](mailto:rfri@osceola.org);  
[lpares@ouc.com](mailto:lpares@ouc.com); [developmentservices@ouc.com](mailto:developmentservices@ouc.com); [rparker@ouc.com](mailto:rparker@ouc.com);  
[ar2916@att.com](mailto:ar2916@att.com); [cesar\\_Rivera@cable.comcast.com](mailto:cesar_Rivera@cable.comcast.com); Caldwell, Mark D [CTO]  
<[Mark.D.Caldwell@sprint.com](mailto:Mark.D.Caldwell@sprint.com)>; [lindy.w.rich@centurylink.com](mailto:lindy.w.rich@centurylink.com)

**Cc:** David Graeber <[dgraeber@inwoodinc.com](mailto:dgraeber@inwoodinc.com)>

**Subject:** FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal

**This contact is being done completely electronically, but if you need anything in a hard copy format or an electronic copy of the plans, please let me know.**

**FP ID: 321134-1-22-01 & 321134-2-22-01**



**SR: 417 (Osceola Parkway Extension)**

**County: Orange/Osceola**

**Description: PD&E Study of Osceola Parkway Extension East of  
Boggy Creek Road**

Inwood Consulting Engineers has been selected to represent the OCX in utility coordination between the Expressway and your agency on the above referenced project. Please address all correspondence, verbal and written to Inwood.

In an effort to better coordinate the selection of corridor alternatives and their impact on utilities, I am providing for your review the corridor preliminary concept plans that are presently being considered by OCX. Pdf's of the concept plans are located on the Inwood ftp site under the "**Osceola Parkway Utilities**" folder for your use.

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Thank you for your cooperation. We will make sure the information, which you have furnished, will be considered prior to establishing future corridor(s). Please feel free to contact me should you have any questions regarding the project or need any additional information.

Thank you.

**David Ledgerwood, PE**

**PROJECT ENGINEER**

---

**INWOOD CONSULTING ENGINEERS**

3000 Dovera Dr., Suite 200, Oviedo, FL 32765

Office: 407-971-8850

Direct: 407-205-1474

Fax: 407-971-8955



[dledgerwood@inwoodinc.com](mailto:dledgerwood@inwoodinc.com)

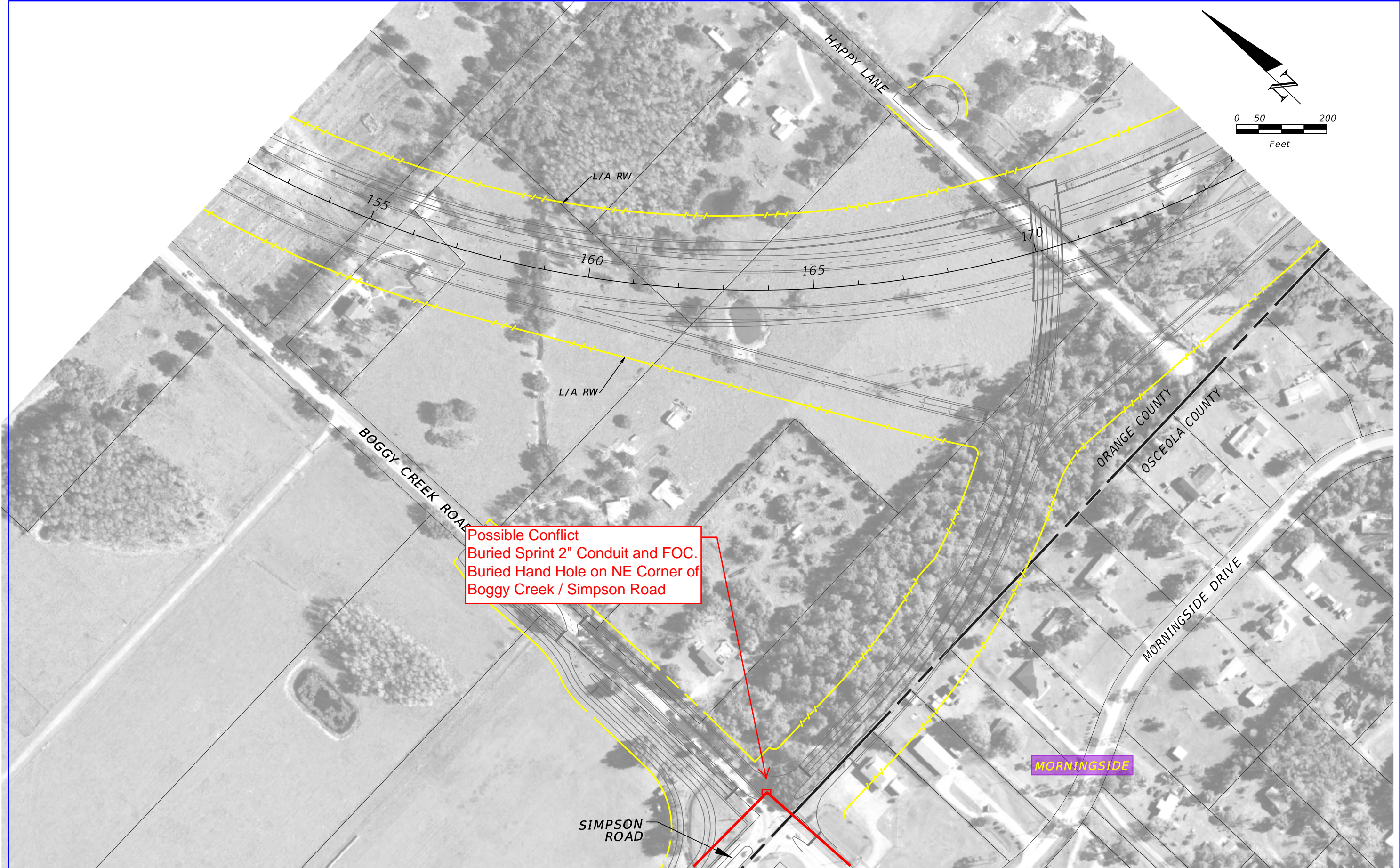
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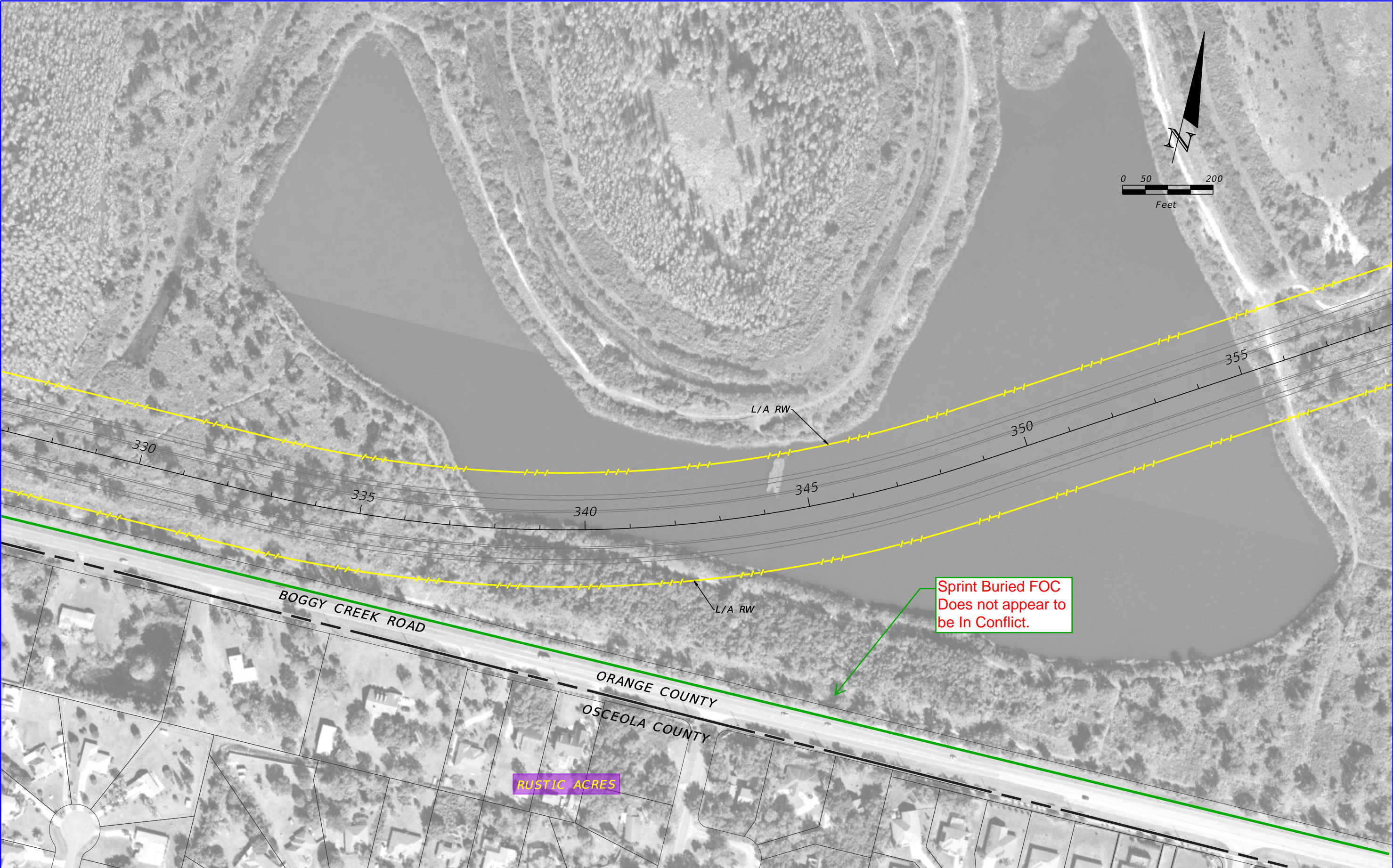
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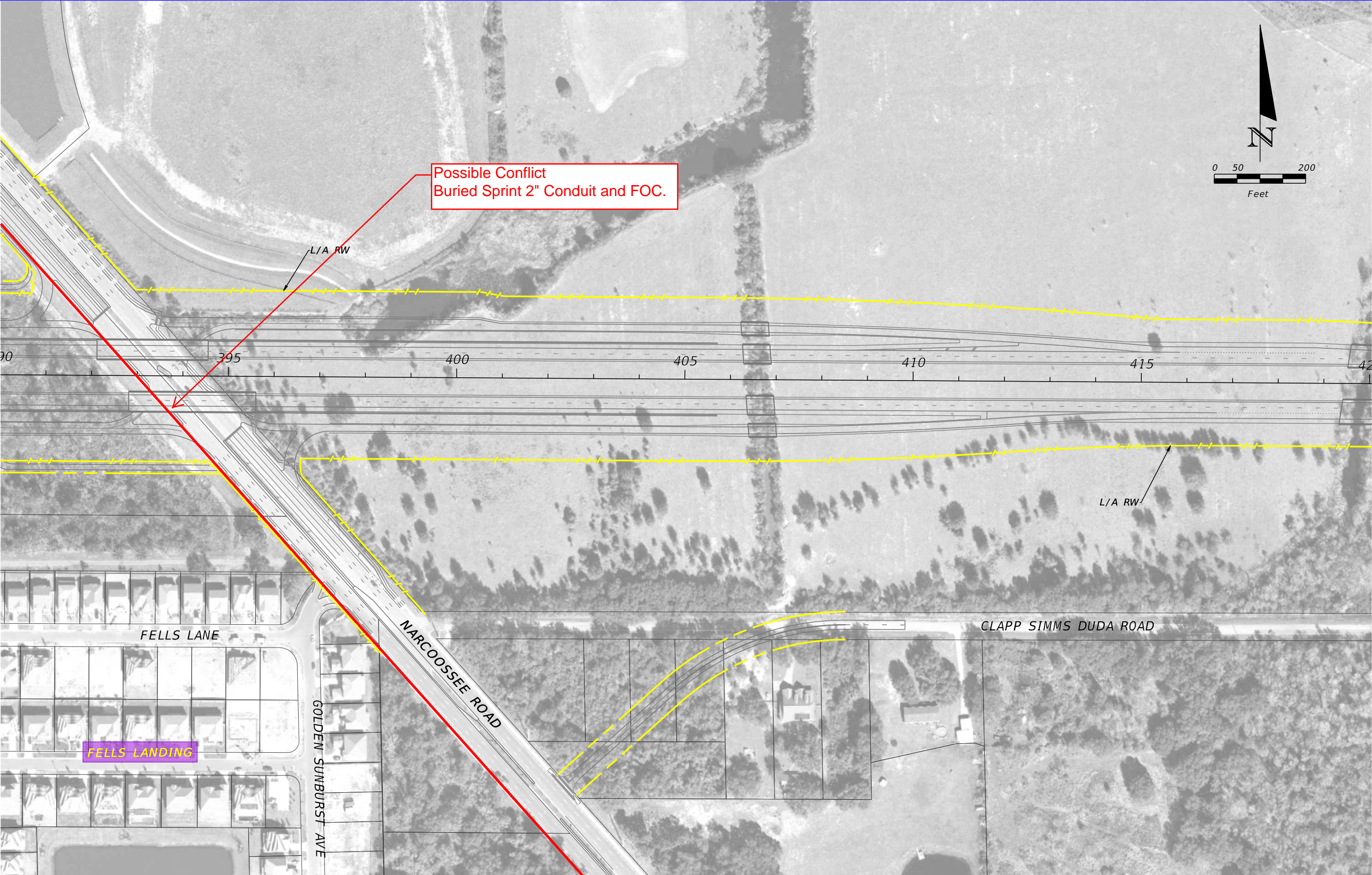
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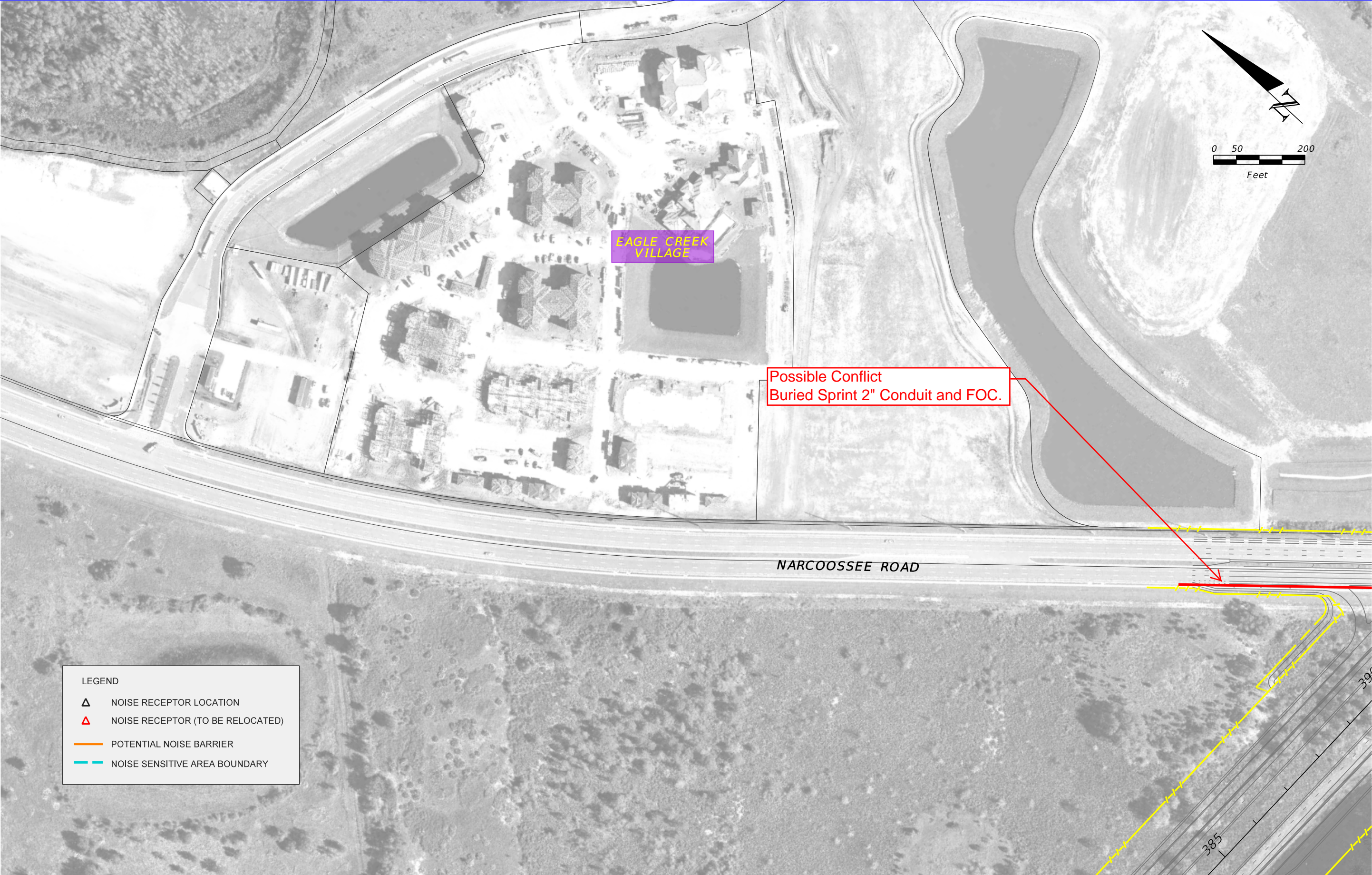
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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**Century Link  
(No Response)**



## **Summit Broadband**



**From:** [Michelle Daniel](#)  
**To:** [David Ledgerwood](#)  
**Subject:** FPID 321134-1 & -2, Osceola Parkway PD&E - Utility Submittal  
**Date:** Friday, August 26, 2016 11:09:59 AM

---

Good Morning Mr. Ledgerwood

Upon the review of your project, Summit Broadband has concluded that we do have facilities located within your project scope.

I had to upload the files to your FTP site. Attachment #1 will be our Rgb's & attachments #2 will be our as built.

According to the review process we may be impacted along Boggy Creek Rd between US-417 & Simpson Rd. Our current facilities consist of a 144 ct FOC that is encased in a HDPE SDR 13.5, (3) 1.25in conduits.

We also have a 48ct FOC Lateral south of Beth Rd at the access road just beyond the cell tower.

Please keep us advise with the stages of this project. If you have any questions please contact us. Thank you.

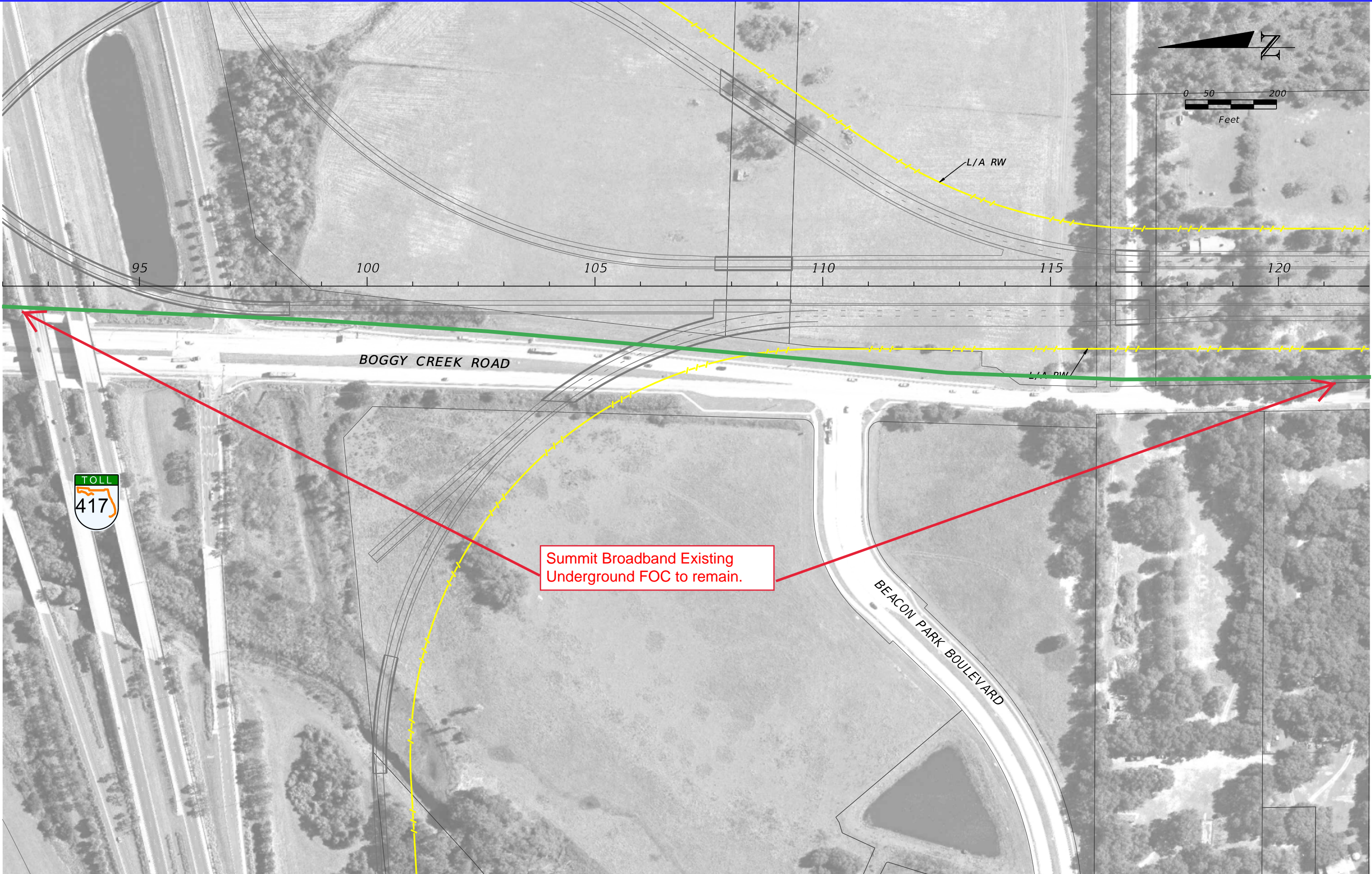
**Michelle Daniel**

Autocad-Network Documentation Technician

Phone: 407.996.1183 ▲

**SUMMIT**  
**BROADBAND**





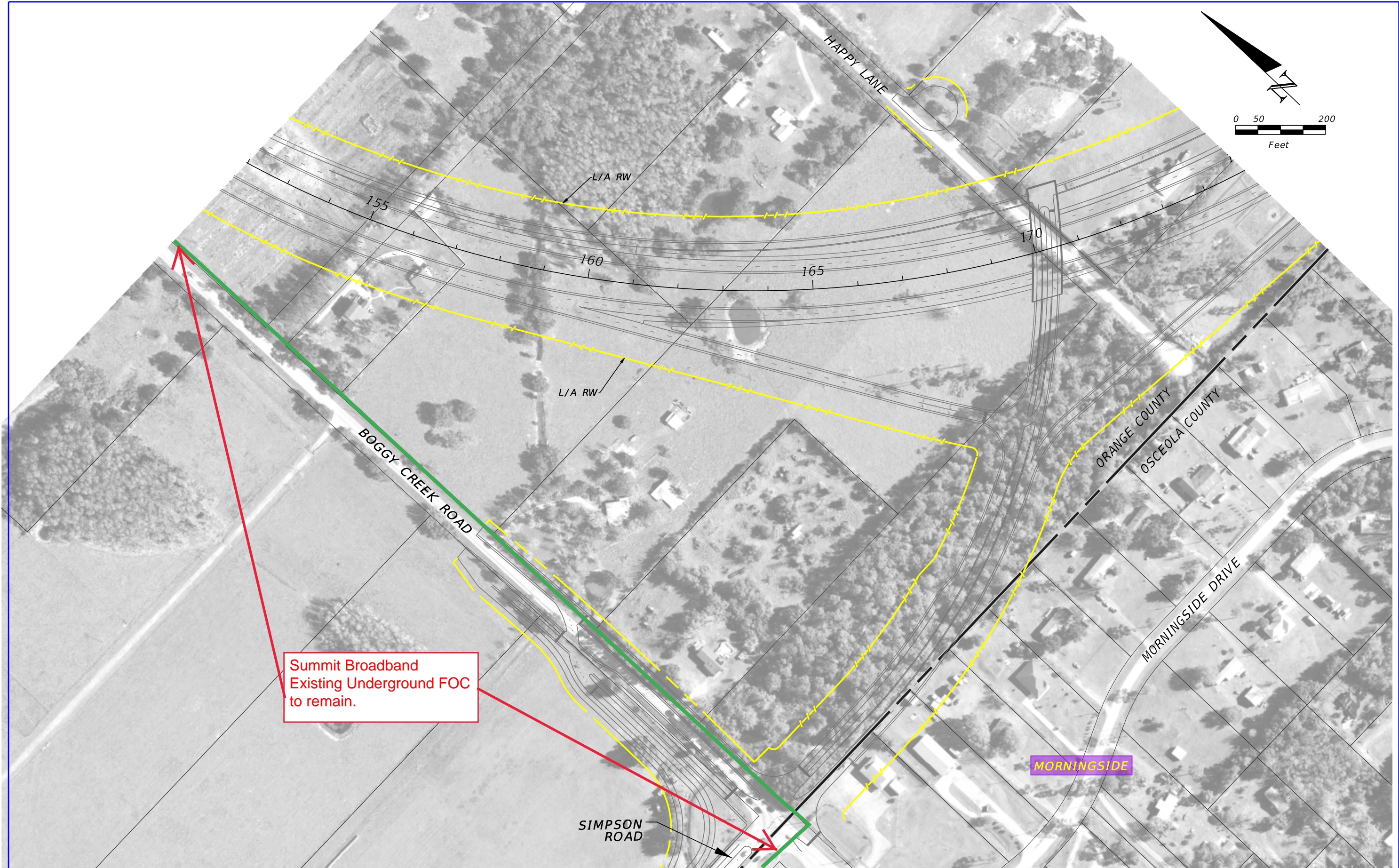
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REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
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Summit Broadband  
Existing Underground FOC  
to remain.

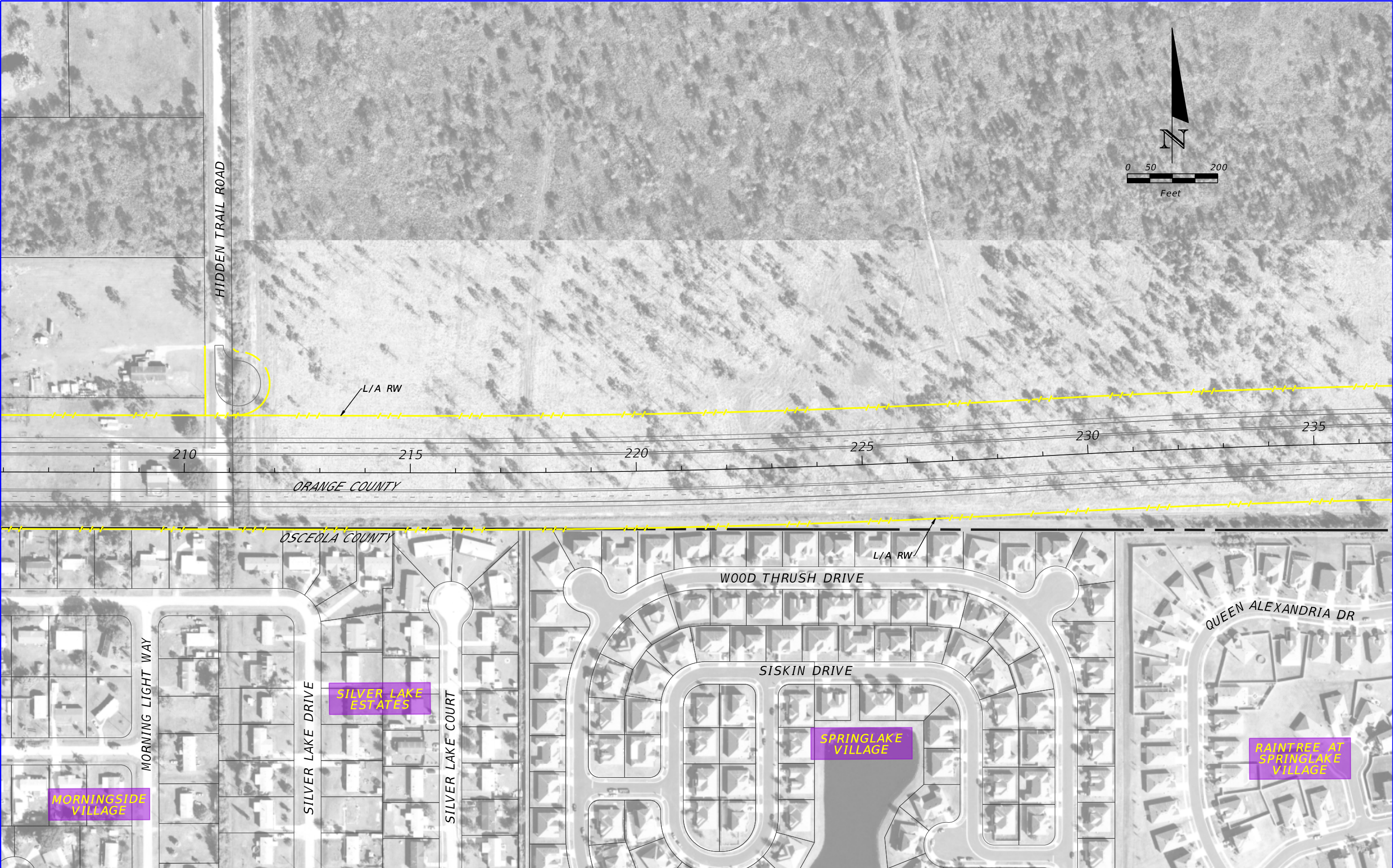
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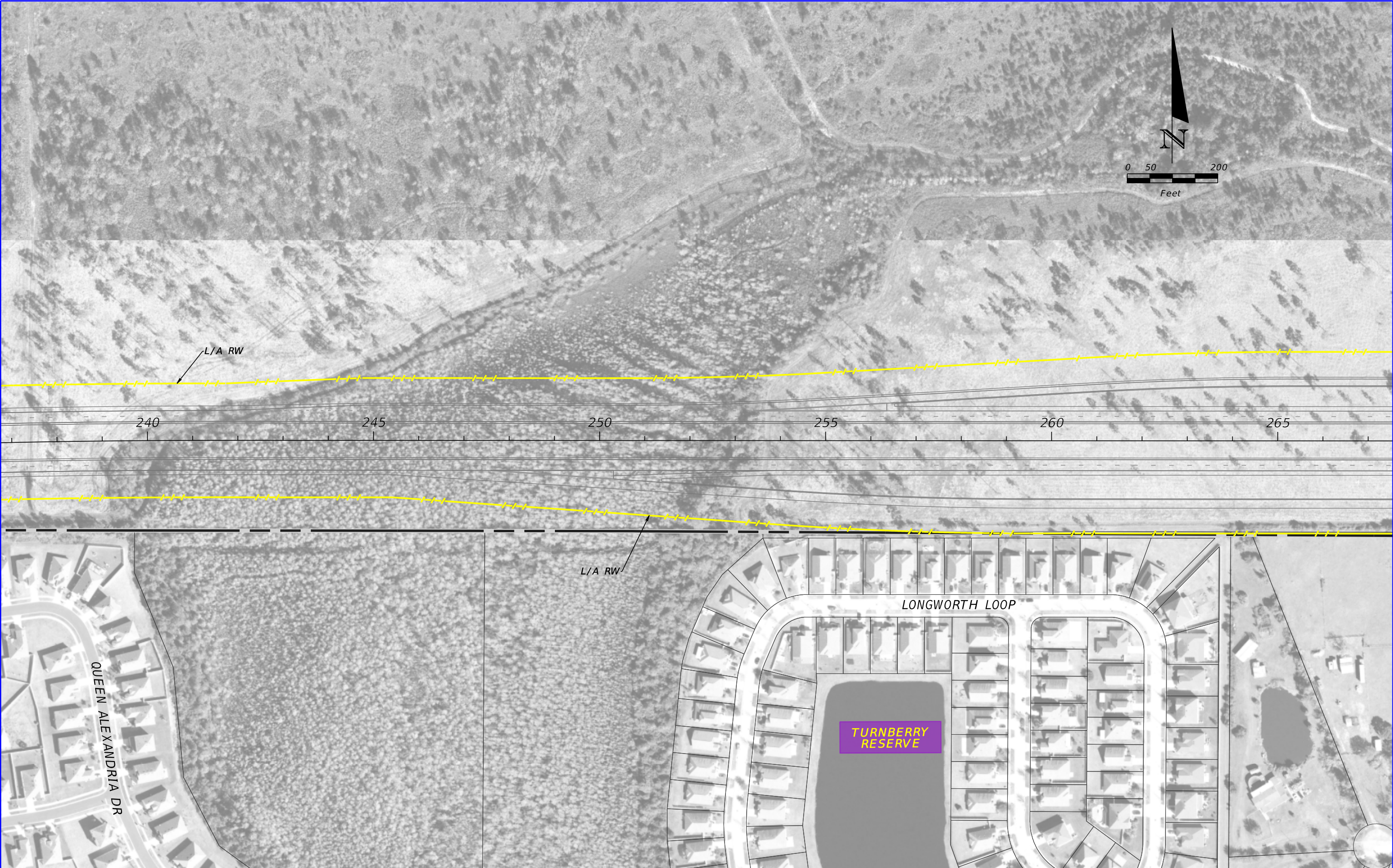
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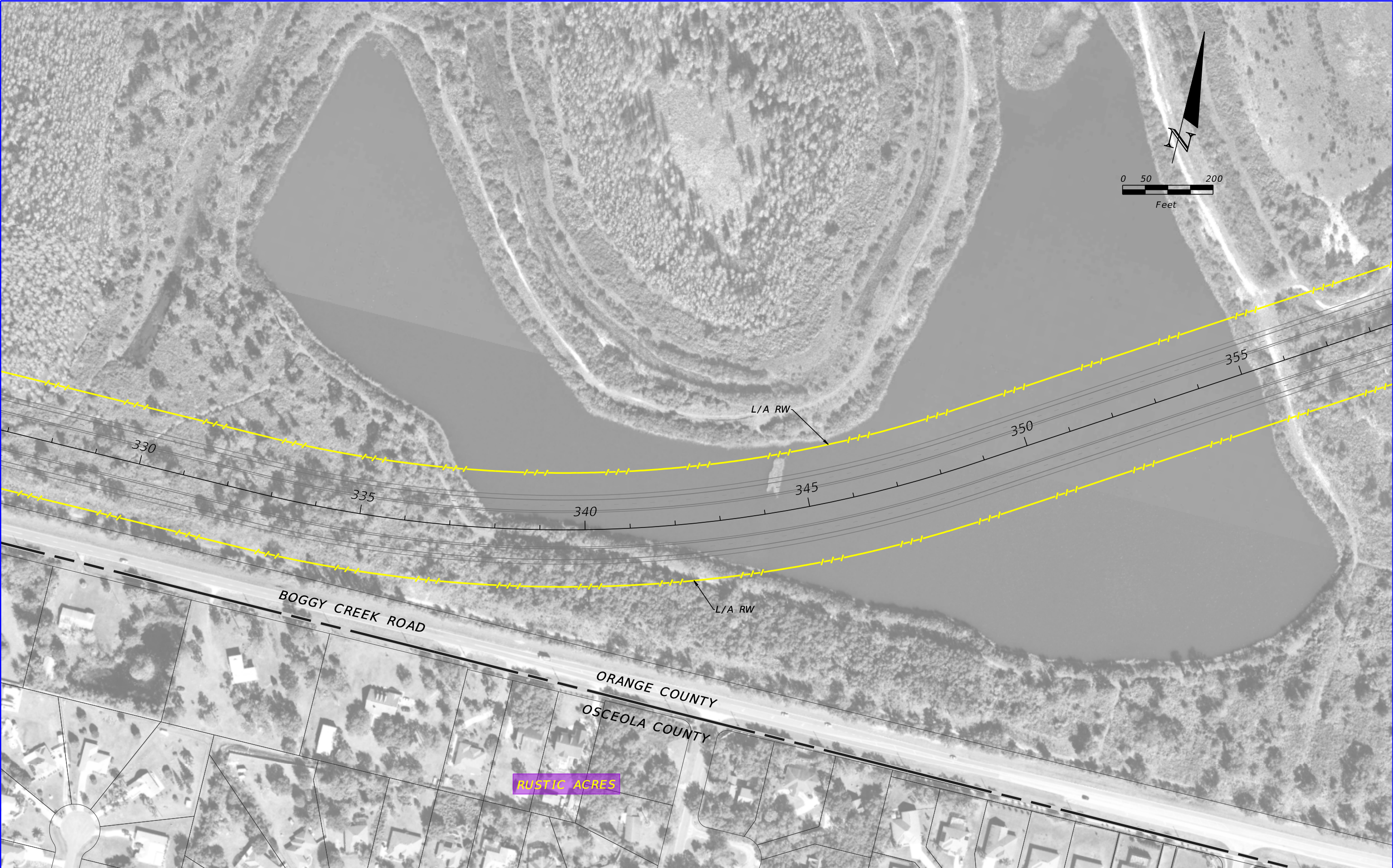
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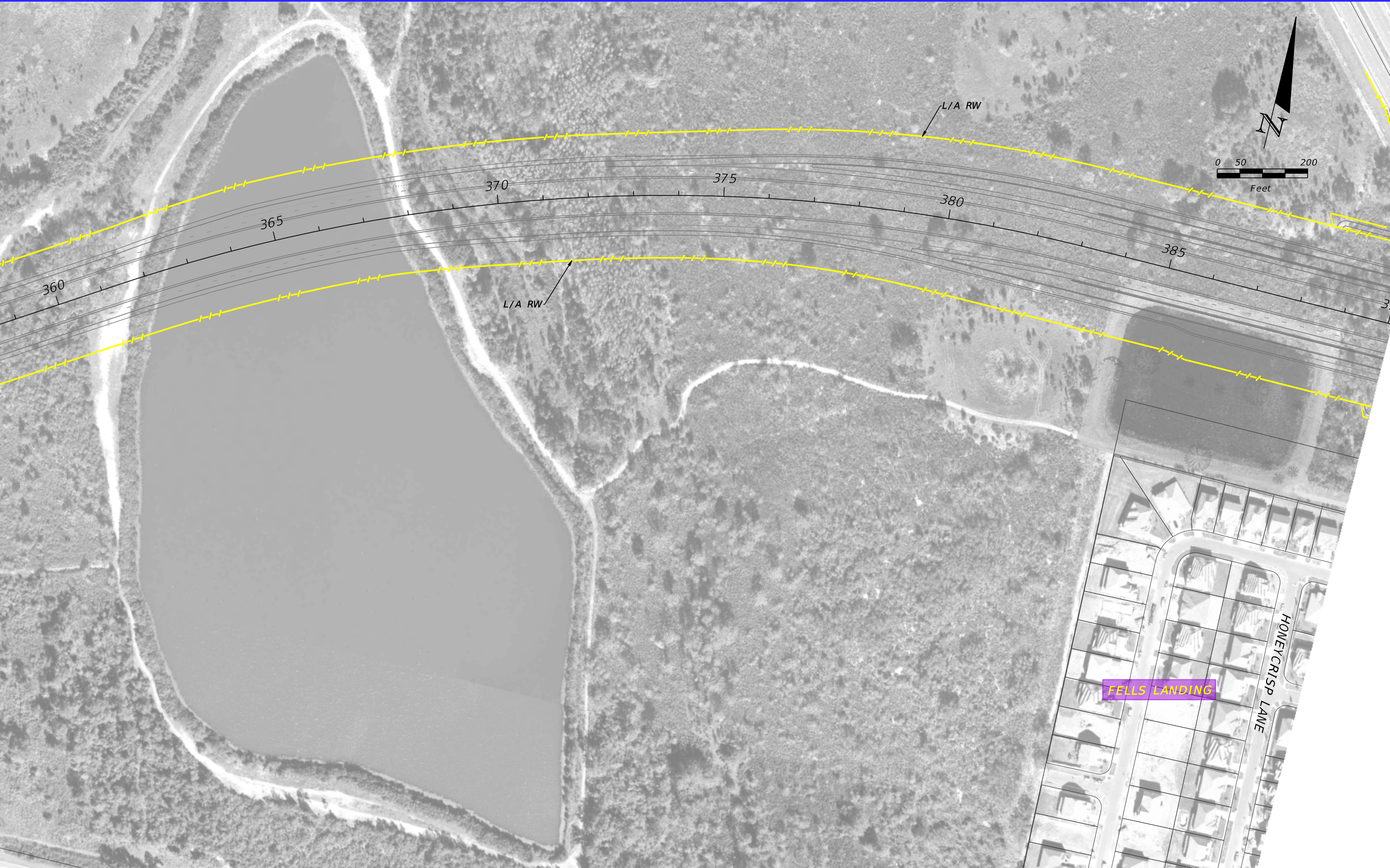
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REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  9
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					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			11A
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01			





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  11B
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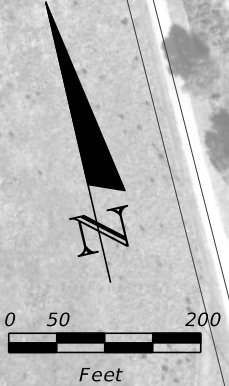




REVISIONS				NOISE SPECIALIST	STATE OF FLORIDA			OSCEOLA PARKWAY	SHEET
DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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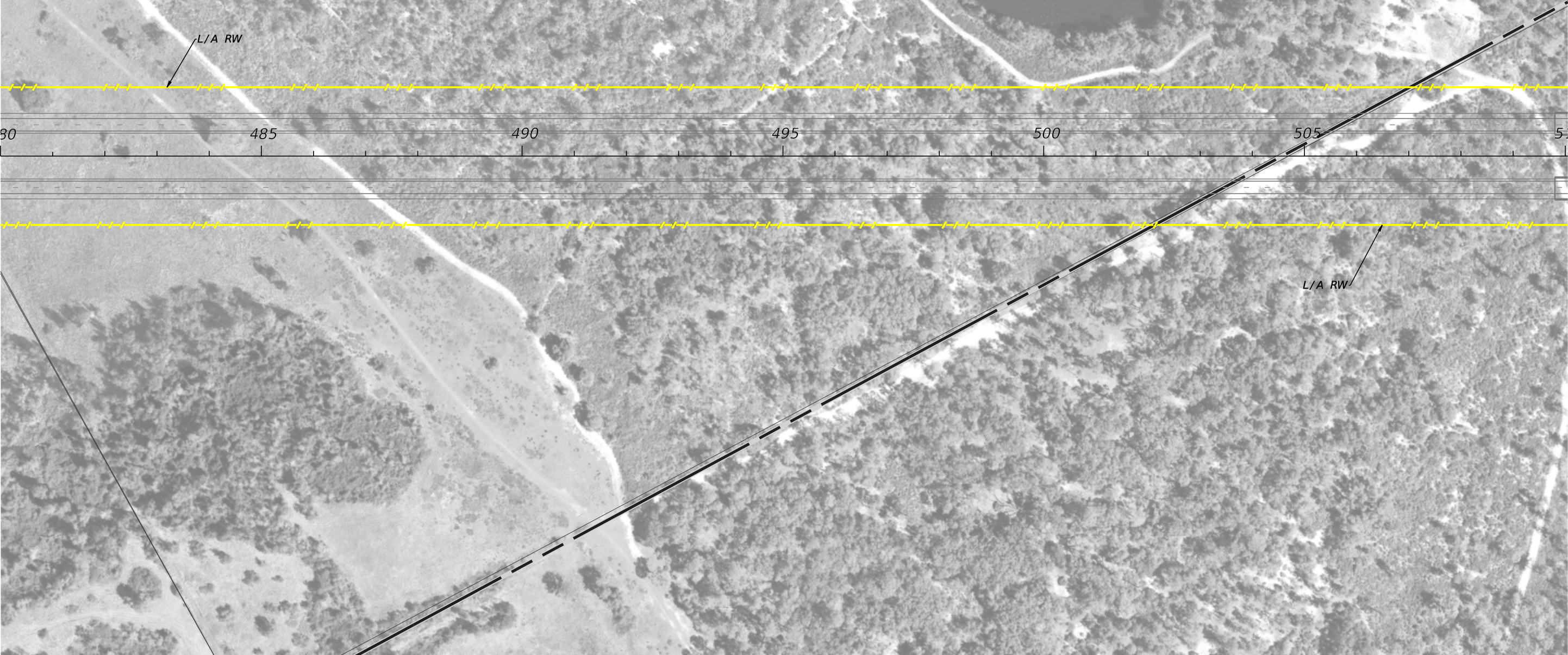
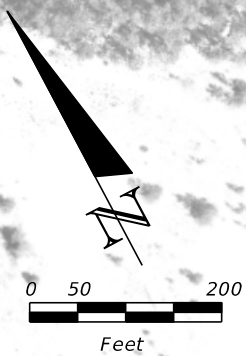
SPLIT OAK FOREST  
MITIGATION PARK



REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			13
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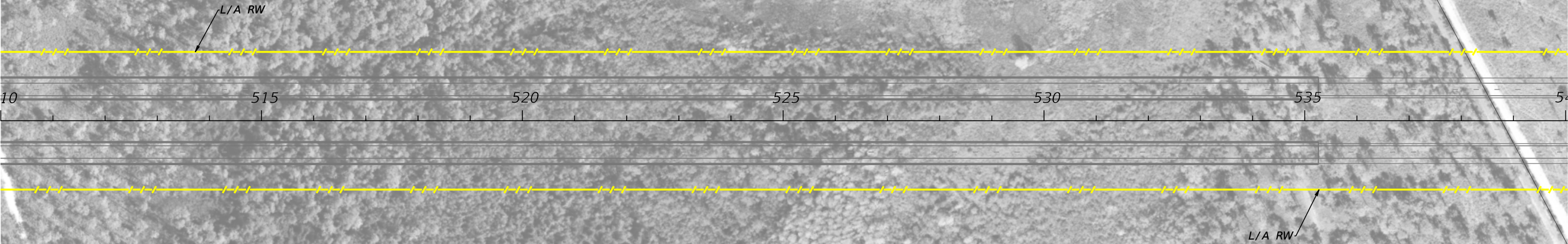
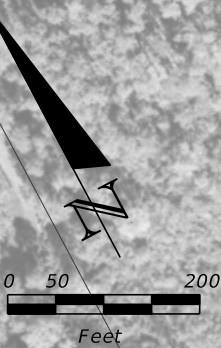
SPLIT OAK FOREST  
MITIGATION PARK  
WILDLIFE AND  
ENVIRONMENTAL  
AREA



REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.  14
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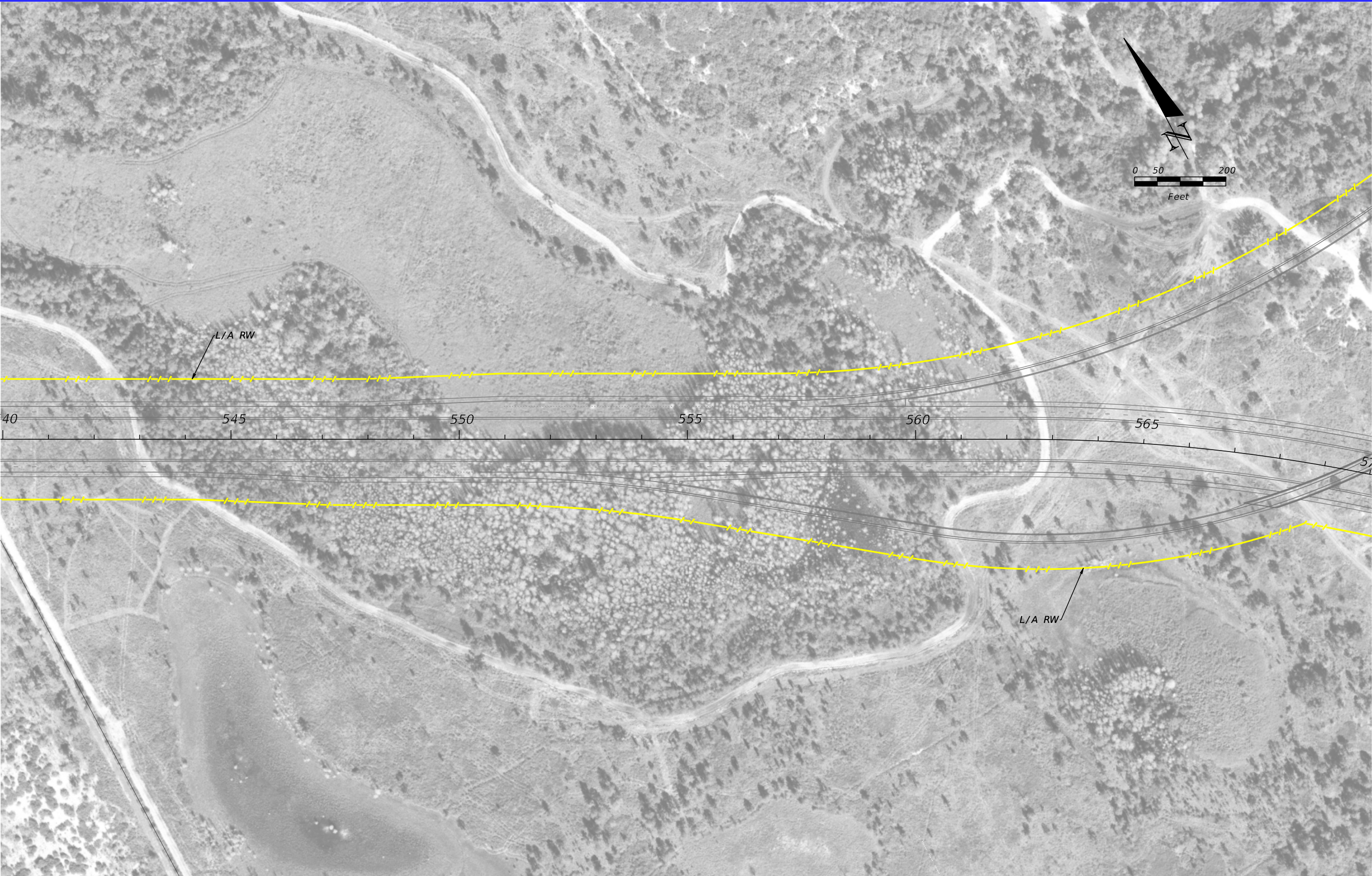


SPLIT OAK FOREST  
MITIGATION PARK  
WILDLIFE AND  
ENVIRONMENTAL  
AREA



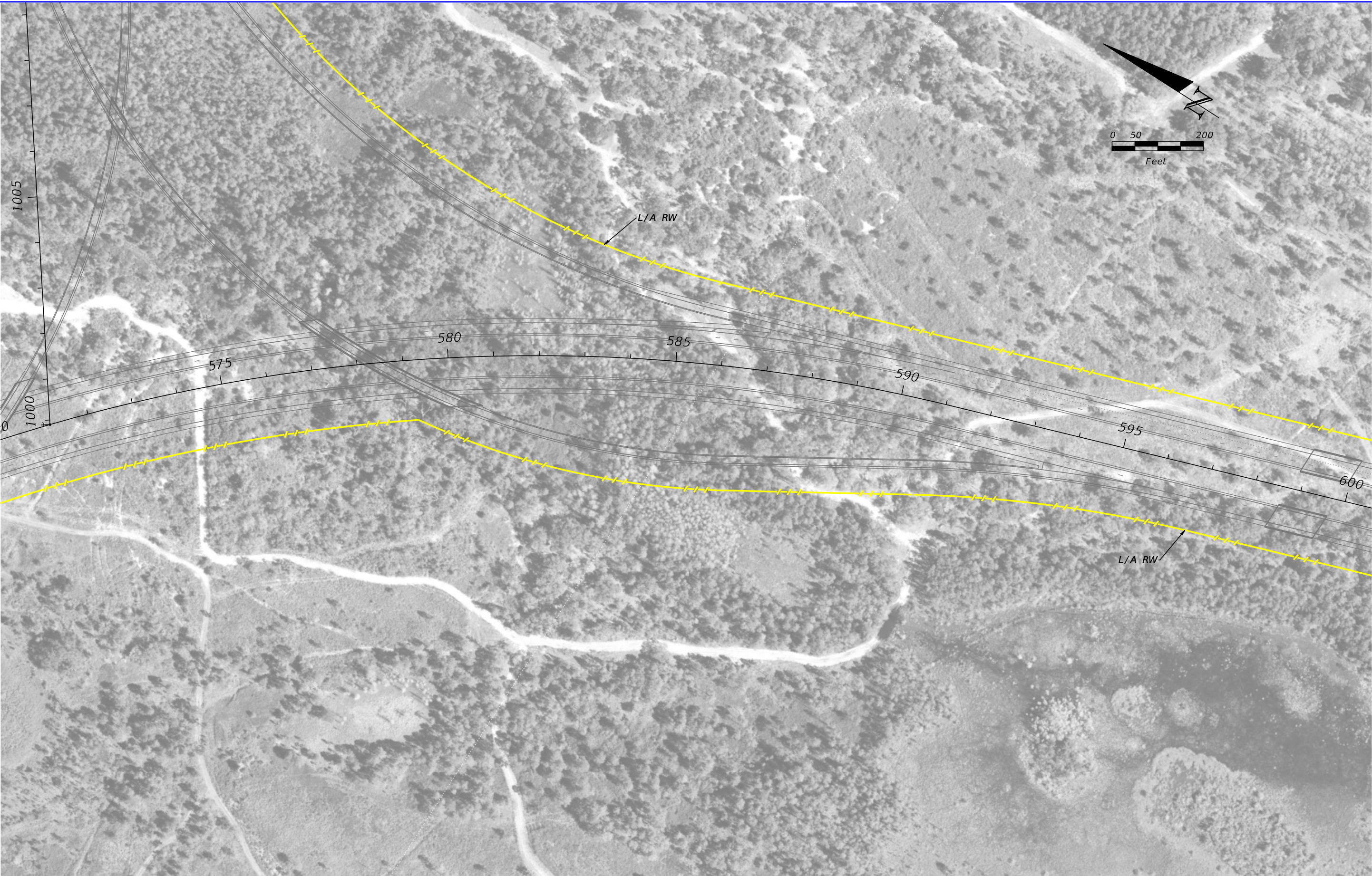
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DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
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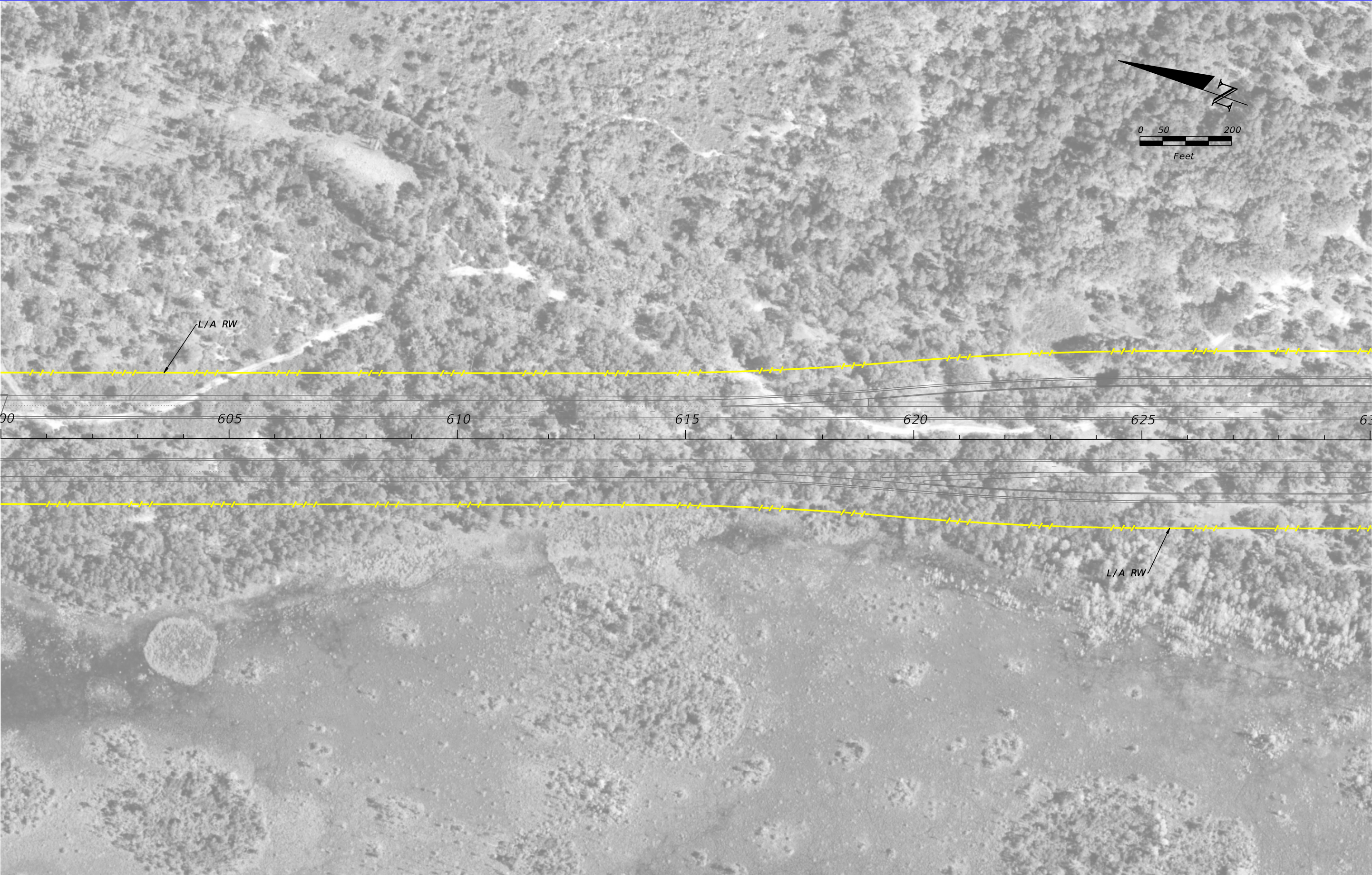
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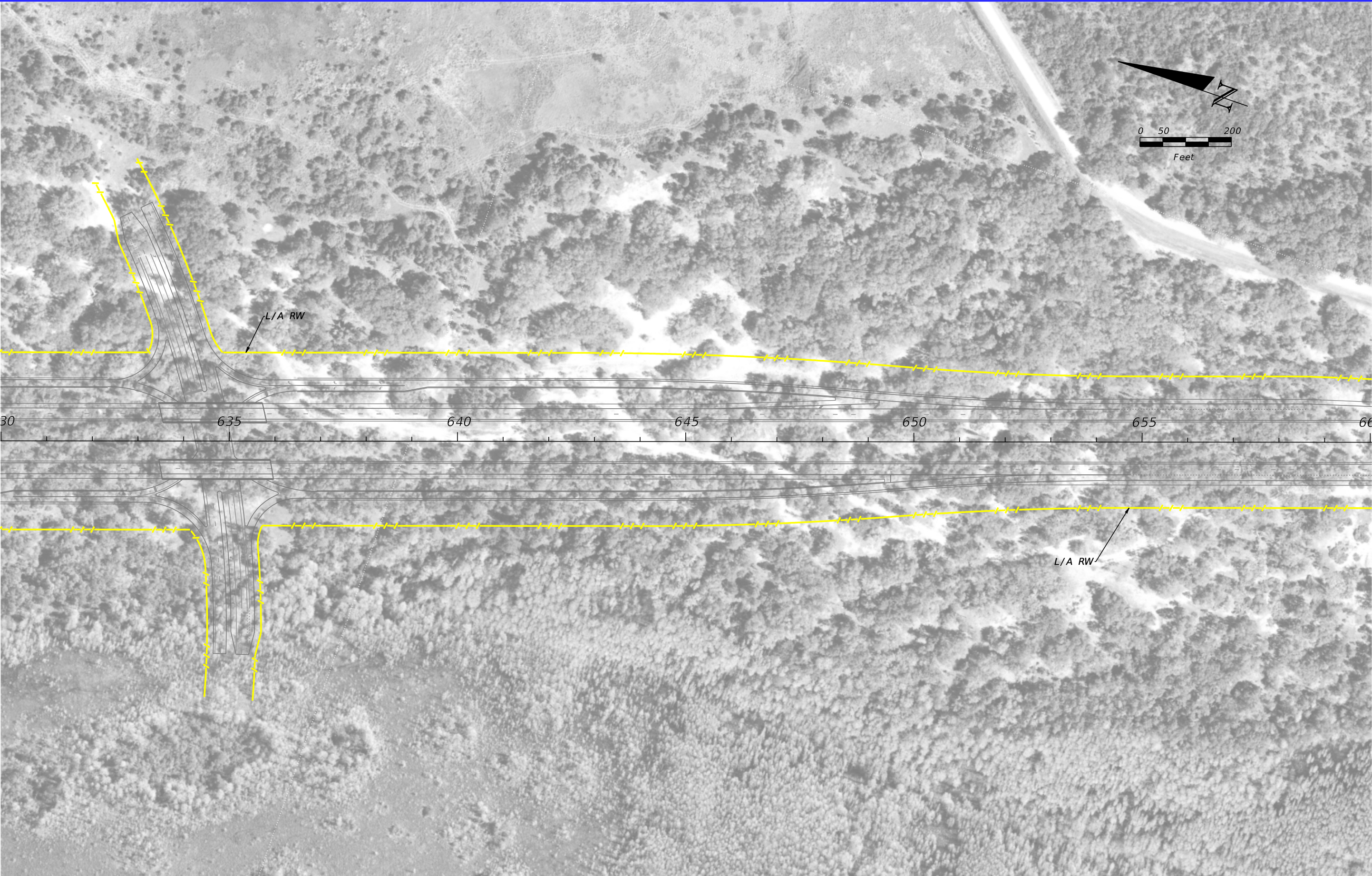
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
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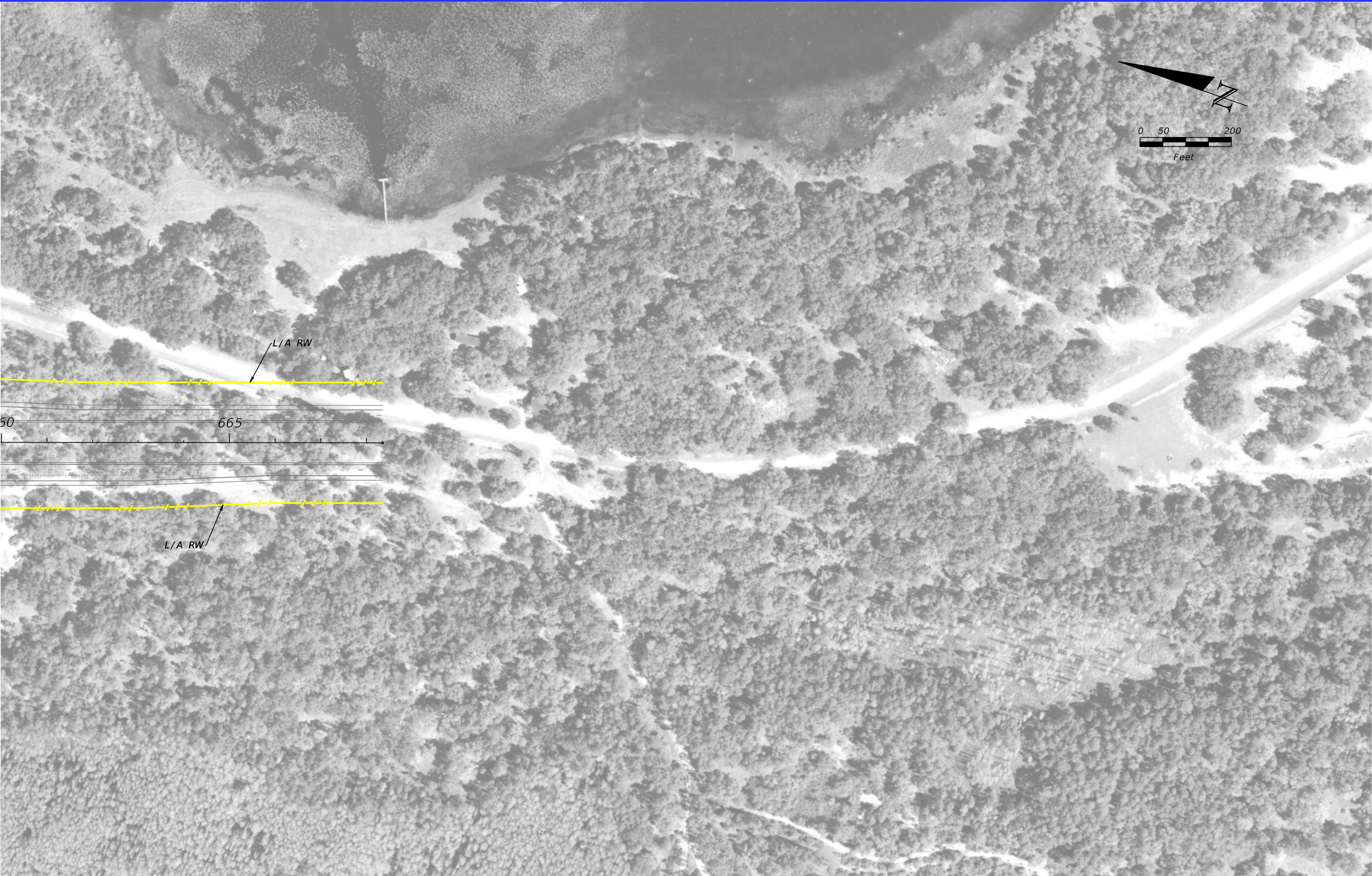
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DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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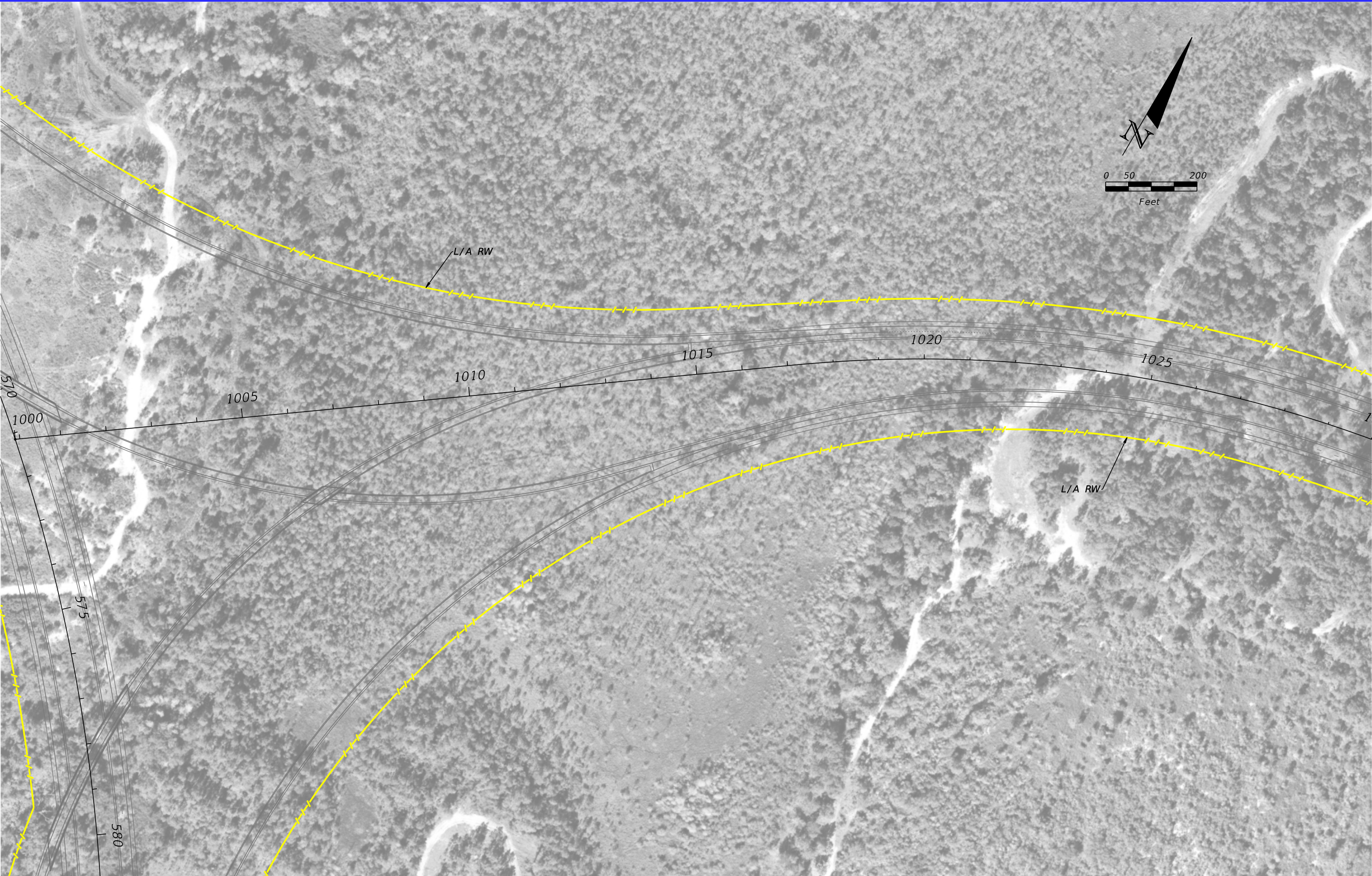
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.
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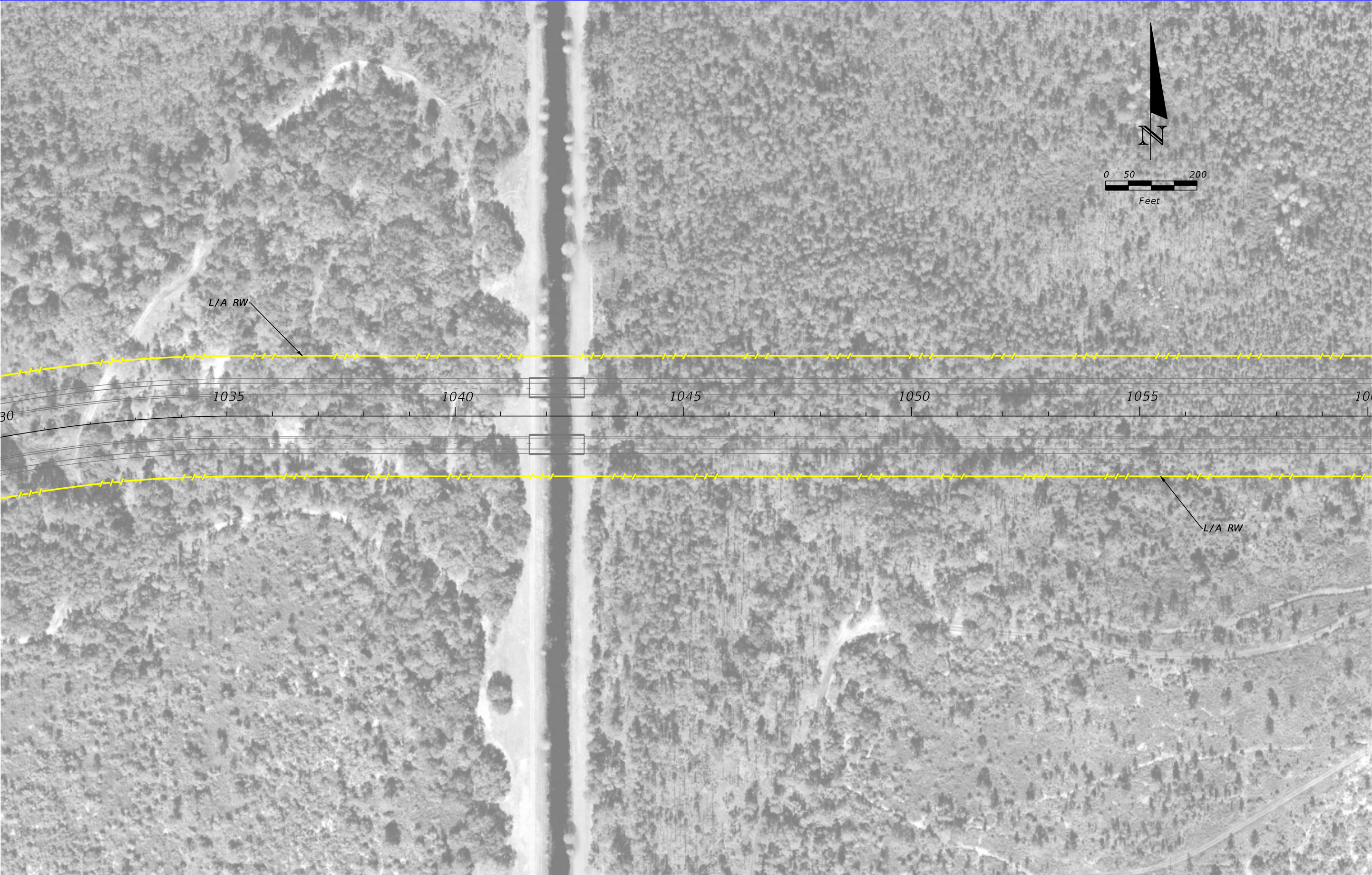
REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			20
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REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			21
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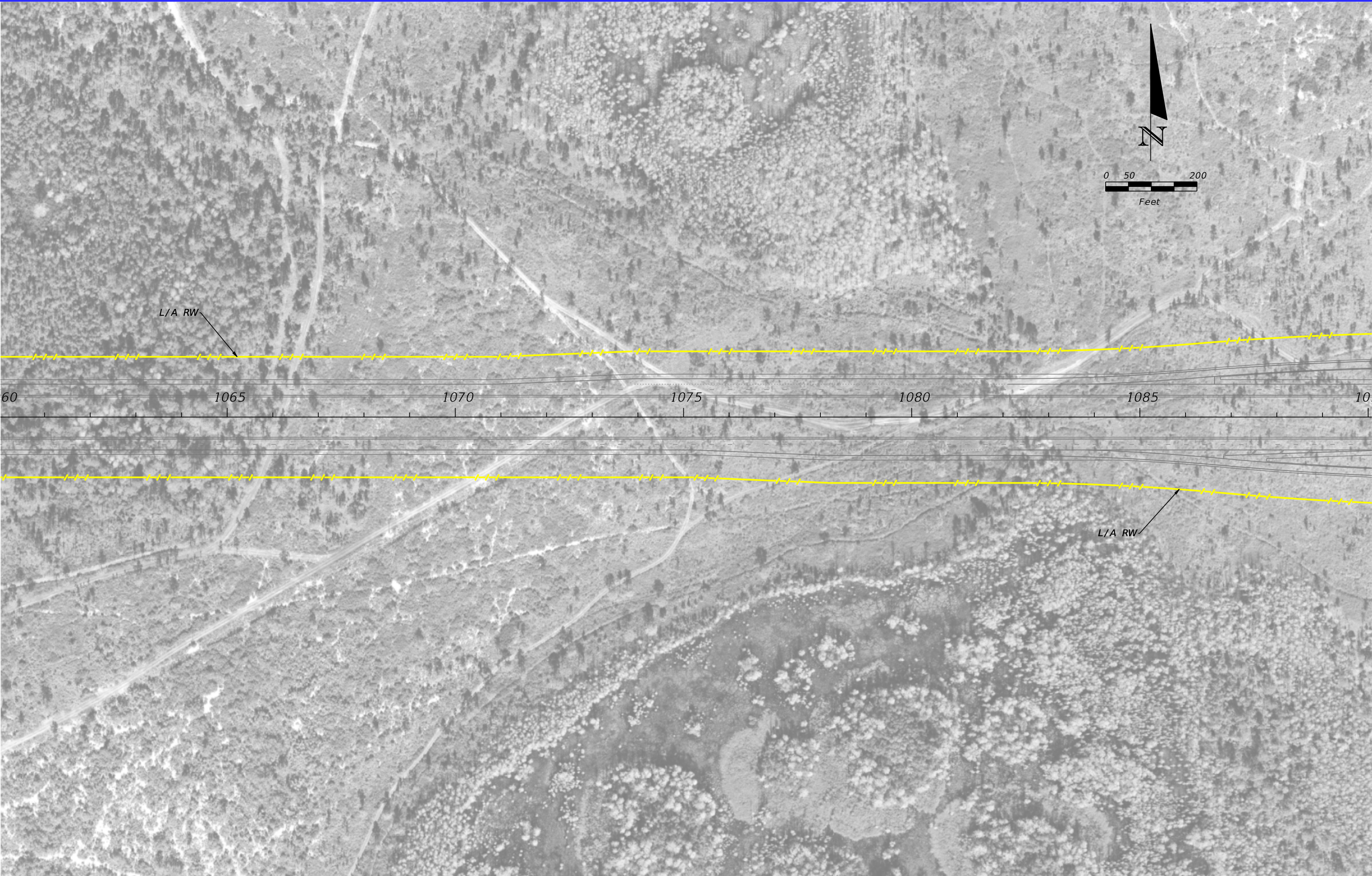




REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO. 417	COUNTY OSCEOLA ORANGE	FINANCIAL PROJECT ID 432134-1-22-01 432134-2-22-01		

NOISE SPECIALIST  
David A. Graeber, PE  
  
Inwood Consulting Engineers, Inc.  
Certificate of Authorization No. 7074  
3000 Dovera Drive, Suite 200, Oviedo, Florida 32765  
P 407.971.8850





REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			23
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REVISIONS				NOISE SPECIALIST David A. Graeber, PE  Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OSCEOLA PARKWAY PRELIMINARY CONCEPT PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		24
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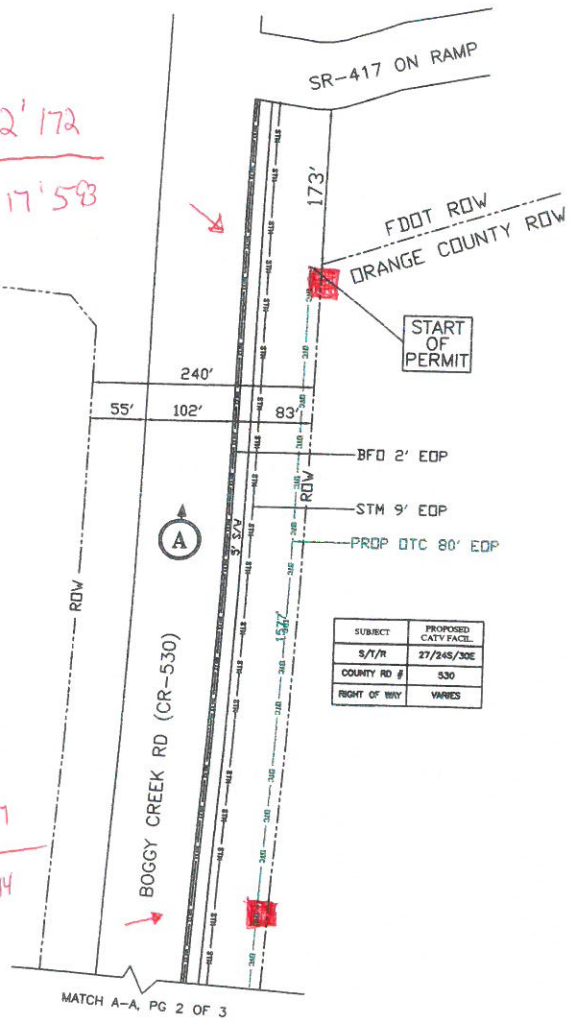


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DATE	DESCRIPTION	DATE	DESCRIPTION	David A. Graeber, PE	DEPARTMENT OF TRANSPORTATION				NO.
				Inwood Consulting Engineers, Inc. Certificate of Authorization No. 7074 3000 Dovera Drive, Suite 200, Oviedo, Florida 32765 P 407.971.8850	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					417	OSCEOLA ORANGE	432134-1-22-01 432134-2-22-01		25



N 28° 22' 17.2  
W 081° 17' 58

N 28° 22' 45.7  
W 081° 18' 14.4



SUBJECT	PROPOSED
S/I/R	27/248/30E
COUNTY RD #	530
RIGHT OF WAY	VARIES

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY FLORIDA, AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION

APPROVED *[Signature]*  
MIGUEL J. TAMAYO, P.E.  
FOR THE ORANGE COUNTY ENGINEER  
MAR 19 2014  
DATE

MINIMUM DEPTH BELOW ROAD SIDE ASPHALT SURFACE	
BRIGHTHOUSE NETWORKS	36" MIN
EMBARGO	36" MIN
AT&T	36" MIN
POWER	42" MIN
WATER	36" MIN
SEWER	36" MIN
GAS	42" MIN

GAS TECO ID# 01042014  
GAS XXX ID# XXX

NOTE 1: MINIMUM OF 12' FROM OTHER UTILITIES  
NOTE 2: 45 MILES/HR POSTED SPEED LIMIT

**LOCATE DISCLAIMER**  
Since Sunshine is not mandated to provide locates for design purposes, the location of all subsurface utilities depicted on these plans as to running line and/or depth shall be considered only as good approximations and not actual location/depth. The location of other utilities depicted on these drawings are based on the best available as-built drawings provided by the utility and field observation of utilities that have no surface structures. Buried utilities that have no surface structures or markers in the area may be present. Call Sunshine for locates before beginning construction.

LEGEND	
---	BURIED ELECTRIC
---	BURIED FIBER OPTIC
---	BURIED TV
---	GAS
---	RECLAIMED WATER
---	SEWER/SANITARY
---	WATER
---	ROW
○	DESIGNATED STRUCTURE
---	S/I/R - SIDEWALK
---	PROPOSED OTC FIBER
○	OTC HANDHOLD
○	EXISTING CONCRETE POLE
X	EXISTING WOOD POLE
■	BORE PIT ENTRY
■	BORE PIT EXIT




Vicinity Map

PROJECT TOTALS	
PROP. AER. FTG	0'
PROP. U/G. FTG	3138'
PROP. TOT. FTG	3138'
HANDHOLDS	0

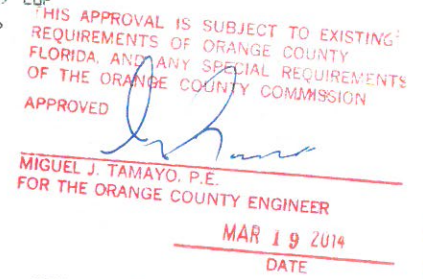
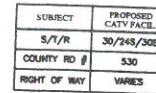
**GENERAL NOTES**  
Maintenance of traffic to be supervised by a certified person.  
Test results are required upon request.  
The contractor shall notify the Department a minimum of two business days prior to any lane closures or beginning any construction within the right-of-way.  
All work performed within right-of-way shall be in accordance with the latest Design Standards, Specifications for Road and Bridge Construction, and the UAM.  
It will be the Responsibility of the Permittee to repair any damage to facilities caused by construction of the project.  
The minimum depth of cover of the 1-1/4 inch conduit under the paved surfaces is 36 inches, and minimum depth of cover under existing ground is 30 inches.  
The minimum separation between the proposed conduit and FDC and the existing stormwater sewers, and utilities is 1 foot.  
The Right-of-Way shall be restored to equal or better condition.  
All vaults shall have H20 rated traffic bearing covers.  
The contractor shall maintain uninterrupted access to all driveways, side streets and sidewalks at all times unless otherwise approved on the MDT permit.  
The FDC shall be installed a minimum of 36 inches below the bottom of the existing soales, and 6 feet below the bottom of primary canals, culverts and ditches.  
Locate all utilities/facilities prior to start of construction to determine actual location and depth of other facilities. Locations shown on cross sections may not be accurate.  
All utility locations will be spot dug for depth verification to determine bore depth. Contractor will coordinate depth of bore with Orange County Inspector prior to any bore performed.  
Permit required for any utility locations that need soft digs in asphalt, concrete, roads, sidewalks, etc.

**AERIAL & U/G NOTES**  
All proposed construction will be per FDOT specifications as well as all NECS Safety Codes.  
All proposed CATV will be within the Assigned Right-of-Way.  
All proposed underground CATV will be buried a minimum of 30' deep, except bores 36' deep.  
All proposed underground CATV road bores will use approved Directional Bore Machine, as well as approved conduit.  
All proposed CATV road bores will extend a minimum of 6' beyond the edge of the pavement.  
All proposed CATV driveway bores will extend a minimum of 4' beyond the edge of pavement.  
All proposed CATV will be 10" diameter, Insulated Fiber-Optic Cable, and will be lashed to .250" steel strand cable using .125" STD GALV. lashing wire.  
All proposed Aerial CATV crossings (Both Roadways, and Driveways), will have minimum Mid-Span height of 18' 0".  
Locates will be required in all proposed Underground areas at least 48 hours prior to construction.  
Notifications to all utilities involved will be made prior to construction.

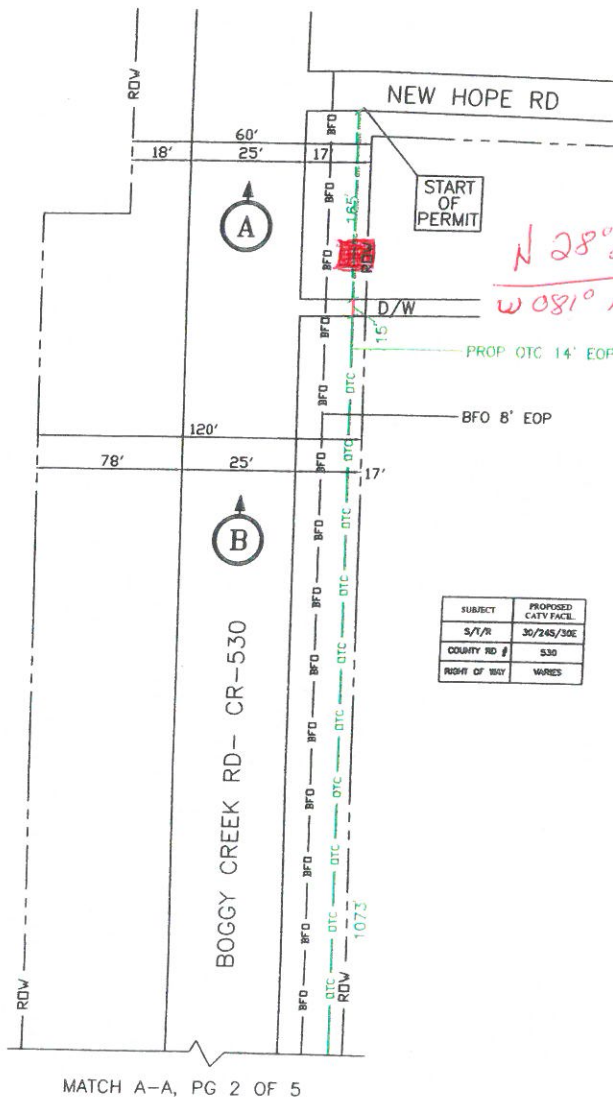
<b>SUBJECT</b> Proposed U/G Telecom Fiber Optic Cable Facilities on Boggy Creek Road Proposed OH Cable Route Proposed UG Cable Route Proposed Road Bore	<b>Orange County, FL</b> <b>Road Utilization Permit</b>	Valencia-Osceola-2 Boggy Creek Road Page 1 of 3	<b>ORLANDO TELEPHONE COMPANY</b> CENTRAL FLORIDA ORANGE COUNTY																
		<b>REVISIONS</b> <table border="1"> <tr> <th>CHANGES</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td>INITIAL REVIEW DRAFTING</td> <td>07/25/14</td> <td>OTC</td> </tr> <tr> <td>MISC. UPDATES</td> <td>02/06/14</td> <td>OTC</td> </tr> <tr> <td>MISC. UPDATES</td> <td>02/11/14</td> <td>OTC</td> </tr> <tr> <td>MINOR PROP. OTC TO ROW</td> <td>05/05/14</td> <td>OTC</td> </tr> </table>			CHANGES	DATE	BY	INITIAL REVIEW DRAFTING	07/25/14	OTC	MISC. UPDATES	02/06/14	OTC	MISC. UPDATES	02/11/14	OTC	MINOR PROP. OTC TO ROW	05/05/14	OTC
		CHANGES	DATE	BY															
INITIAL REVIEW DRAFTING	07/25/14	OTC																	
MISC. UPDATES	02/06/14	OTC																	
MISC. UPDATES	02/11/14	OTC																	
MINOR PROP. OTC TO ROW	05/05/14	OTC																	
SYSTEM: <b>CENTRAL FLORIDA</b> AREA: <b>ORANGE COUNTY</b>																			



SUBJECT	PROPOSED CATV FACIL.
S/T/R	30/245/30E
COUNTY RD #	530
RIGHT OF WAY	VARIES

APPENDIX B, PAGE 139





LEGEND	
BE	BURNED ELECTRIC
BFO	BURNED FIBER OPTIC
BTW	BURNED TV
GAS	GAS
RC	RECLAIMED WATER
S	SEWER/SANITARY
WTR	WATER
ROW	RIGHT OF WAY
D	DESIGNATED STRUCTURE
S/S	SIDEWALK
OTC	PROPOSED OTC FIBER
OTC	OTC MANHOLD
⊖	EXISTING CONCRETE POLE
X	EXISTING WOOD POLE
⊖	BORE PIT ENTRY
⊖	BORE PIT EXIT

MINIMUM DEPTH BELOW ROAD SIDE ASPHALT SURFACE	
BRIGHTHOUSE NETWORKS	36" MIN
EMBARQ	36" MIN
AT&T	36" MIN
POWER	42" MIN
WATER	36" MIN
SEWER	36" MIN
GAS	42" MIN

GAS TECO ID# 01042014  
GAS XXX ID# XXX

NOTE 1: MINIMUM OF 12" FROM OTHER UTILITIES  
NOTE 2: 45 MILES/HR POSTED SPEED LIMIT

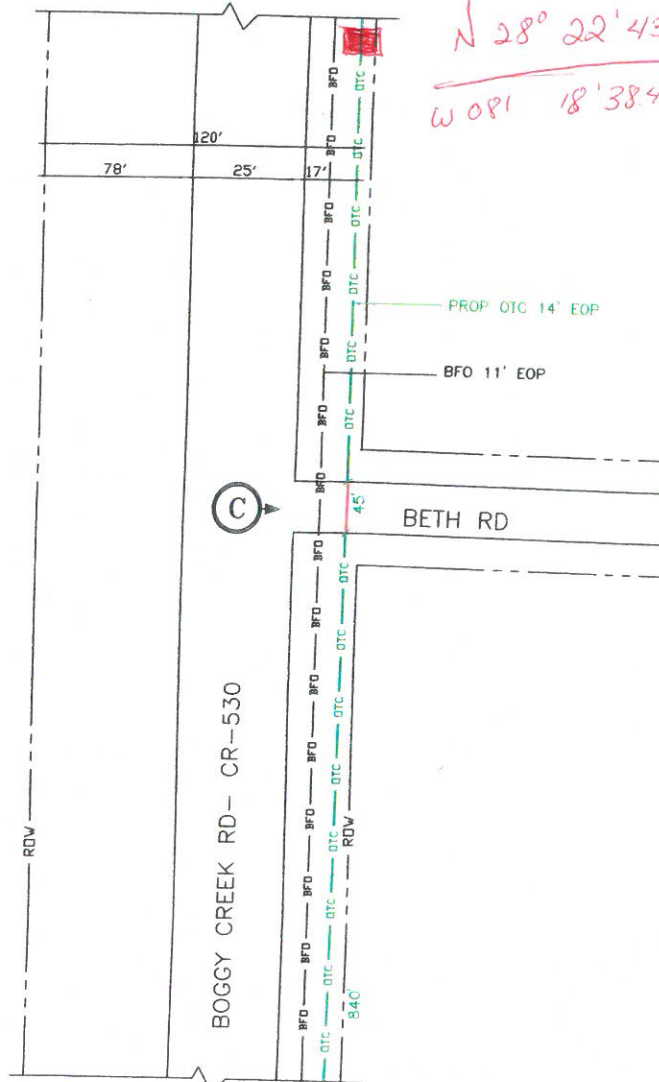
**LOCATE DISCLAIMER**  
Since Sunshine is not mandated to provide locates for design purposes, the location of all subsurface utilities depicted on these plans as to running line and/or depth shall be considered only as good approximations and not actual location/depth. The location of other utilities depicted on these drawings are based on the best available asphalt drawings provided by the utility and field observation of plainly visible surface mounted structures. Buried utilities that have no surface structures or markers in the area may be present. Call Sunshine for locates before beginning construction.

#### GENERAL NOTES

Maintenance of traffic by a certified person.  
Test results are required.  
The contractor shall not begin any work until the Department is notified a minimum of 5 days prior to any lane beginning any construction right-of-way.  
All work performed with shall be in accordance with Department Design Standards, Specifications and Bridge Construction.  
It will be the Responsibility of the Contractor to repair any damage caused by construction.  
The minimum depth of cover shall be 36 inches, and minimum depth under existing ground is 36 inches.  
The minimum separation between proposed conduit and existing stormwater sewer is 1 foot.  
The Right-of-Way shall be equal or better condition.  
All vaults shall have H20 bearing covers.  
The contractor shall maintain uninterrupted access to all side streets and sidewalks unless otherwise approved permit.  
The FDC shall be installed 12 inches below the bottom of swales, and 6 feet below 4 primary canals, culverts and  
Locate all utilities/facilities start of construction to a actual location and depth of facilities. Locations shown on sections may not be accurate.  
All utility locations will be a depth verification to determine depth. Contractor will coordinate with Orange County of bore with Drange County prior to any bore performed.  
Permit required for any utility that need soft digs in asphalt, concrete, roads, sidewalks, etc.

<div>SUBJECT</div> <div>Proposed U/G Telecom Fiber Optic Cable Facilities on Boggy Creek Road</div>	<div>Proposed On Cable Route Proposed UG Cable Route Proposed Road Bore</div>	<div>Orange County, FL</div> <div>Road Utilization Permit</div>	<div>VCC-Osceola 3</div> <div>Boggy Creek Road</div> <div>Page 1 of 5</div>	<div>REVISIONS</div> <table><thead><tr><th>CHANGES</th><th>DATE</th></tr></thead><tbody><tr><td>INITIAL PLOTTING</td><td>07/10</td></tr><tr><td>MISC. UPDATES</td><td>08/10</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table>	CHANGES	DATE	INITIAL PLOTTING	07/10	MISC. UPDATES	08/10																
CHANGES	DATE																									
INITIAL PLOTTING	07/10																									
MISC. UPDATES	08/10																									





MATCH C-C, PG 3 01

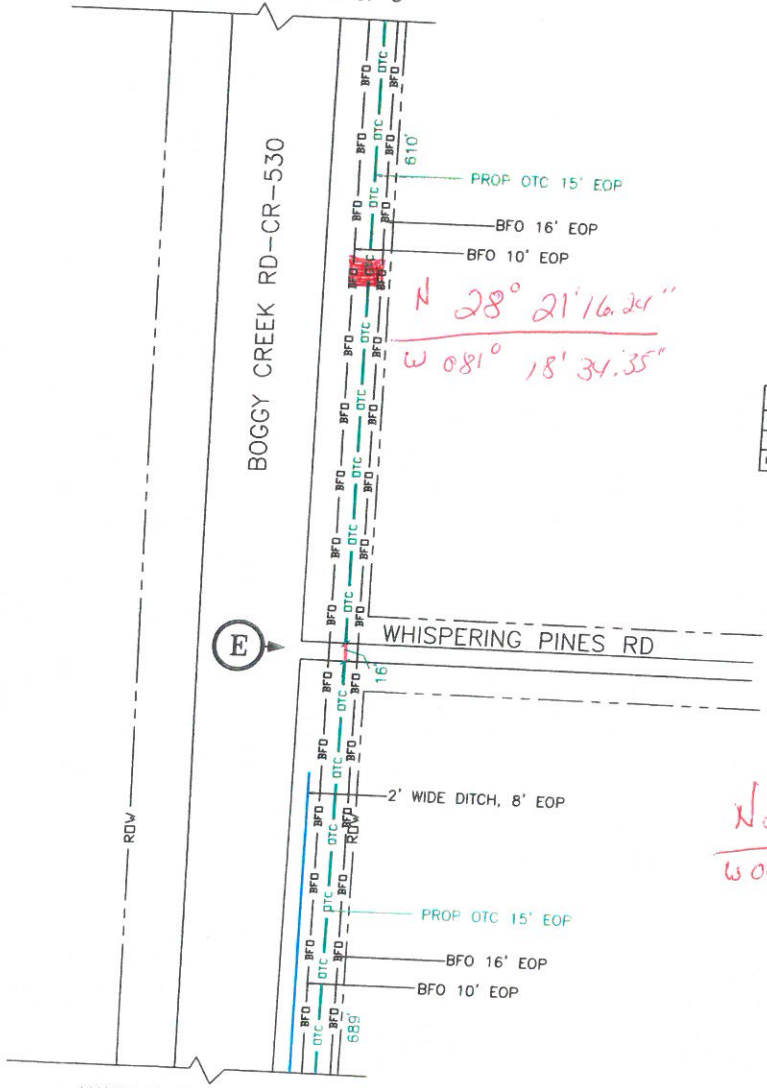
SUBJECT	PROPOSED CATY FACIL
S/T/R	30/24S/30
COUNTY RD #	530
RIGHT OF WAY	WIDES

$N 28^{\circ} 21' 20.4''$   
 $W 081^{\circ} 18' 51.1''$

[illegible]

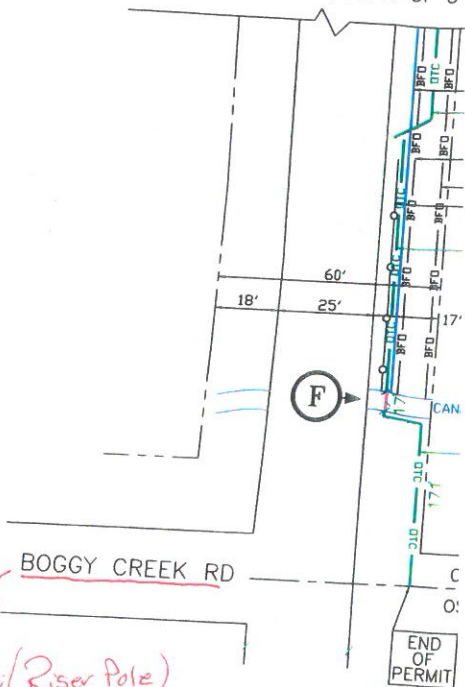


MATCH C-C, PG 3 OF 5



SUBJECT	PROPOSED CADD FACILITY
S/I/R	30/245/30E
COUNTY RD #	530
RIGHT OF WAY	VARIES

MATCH D-D, PG 3 OF 5



MATCH D-D, PG 3 OF 5

<div>SUBJECT</div> <div>Proposed U/G Telecom Fiber Optic Cable Facilities on Boggy Creek Road</div>	<div>Proposed OH Cable Route Proposed UG Cable Route Proposed Road Bore</div>	<div>Orange County, FL</div> <div>Road Utilization Permit</div>	<div>VCC-Osceola-3</div> <div>Boggy Creek Road</div> <div>Page 3 of 5</div>	<div>REVISIONS</div> <table><thead><tr><th>CHANGES</th><th>DATE</th></tr></thead><tbody><tr><td>INITIAL PERMIT DRAWING</td><td>01/2</td></tr><tr><td>MISC. UPDATES</td><td>02/7</td></tr><tr><td>MISC. UPDATES</td><td>03/0</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></tbody></table>	CHANGES	DATE	INITIAL PERMIT DRAWING	01/2	MISC. UPDATES	02/7	MISC. UPDATES	03/0												
CHANGES	DATE																							
INITIAL PERMIT DRAWING	01/2																							
MISC. UPDATES	02/7																							
MISC. UPDATES	03/0																							



## **Appendix 3**

# **PD&E Project Recommended Alternative Plan Sheets**

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*September 2016*



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## **APPENDIX C**

### **PD&E Project Recommended Alternative Plan Sheets**

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## **APPENDIX D**

### **Sunshine 811 Design Ticket**

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CFX FEASIBILITY STUDY - OSCEOLA PARKWAY PART 1  
Ticket : 276804053 Rev:000 Taken: 10/03/18 08:55ET

State: FL Cnty: ORANGE GeoPlace: ORLANDO  
CallerPlace: ORLANDO  
Subdivision:

Address :  
Street :

Locat: 1. SR 417 BETWEEN BOGGY CREEK ROAD & LAKE NONA BLVD 2. DEVELOPED &  
UNDEVELOPED LAND ADJACENT TO OSCEOLA COUNTY LINE 3. NORTH OF INTERSECTION AT  
NARCOOSSEE ROAD & CLAPP SIMMS DUDA ROAD 4. CLAPP SIMMS DUDA ROAD

:

Remarks : ORANGE COUNTY PORTION OF PROJECT.

IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF  
THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE  
DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY  
SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN  
ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE  
LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A  
DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA  
STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT  
INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY  
LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET  
NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN  
REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT  
CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

\*\*\* LOOKUP BY MANUAL \*\*\*

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Grids	: 2820A8112A	2820A8112B	2820A8113D	2820A8114A	2820A8115A
Grids	: 2820A8115B	2820A8115C	2820A8115D	2820A8116A	2820A8116B
Grids	: 2820A8116C	2820A8116D	2820A8117A	2820A8117B	2820A8117C
Grids	: 2820A8117D	2820A8118B	2820A8118C	2820A8118D	2821A8117A
Grids	: 2821A8117B	2821A8118B	2821A8118C	2821A8118D	2821B8117A
Grids	: 2821B8117B	2821B8118B	2821B8118C	2821B8118D	2821C8117A
Grids	: 2821C8117B	2821C8118B	2821C8118C	2821C8118D	2821D8112A
Grids	: 2821D8113A	2821D8113B	2821D8113C	2821D8113D	2821D8114A
Grids	: 2821D8114B	2821D8114C	2821D8114D	2821D8116A	2821D8117A
Grids	: 2821D8117B	2821D8117C	2821D8117D	2821D8118B	2821D8118C
Grids	: 2821D8118D	2822A8116B	2822B8116A	2822B8116B	2822B8117C
Grids	: 2822B8117D	2822C8117A	2822C8117B	2822C8117C	2822C8117D
Grids	: 2822C8118C	2822C8118D	2822D8117A	2822D8117B	2822D8118A
Grids	: 2822D8118B	2822D8118C	2822D8118D		

Work date: 10/03/18 Time: 10:09ET Hrs notc: 001 Category: 6 Duration: 00 DAYS  
Due Date : 10/05/18 Time: 23:59ET Exp Date : 11/02/18 Time: 23:59ET  
Work type: DESIGN/ FEASIBILITY STUDY Boring: N White-lined: N  
Ug/Oh/Both: U Machinery: N Depth: 0 Permits: N N/A  
Done for : CENTRAL FL EXPRESSWAY AUTHORITY

Company : THE BALMORAL GROUP Type: CONT  
Co addr : 165 LINCOLN AVE  
City : WINTER PARK State: FL Zip: 32789  
Caller : ARMANDO PEREZ Phone: 407-629-2185  
BestTime: 8AM-5PM  
Email : ATPEREZ@BALMORALGROUP.US

Submitted: 10/03/18 08:55ET Oper: ARM Chan: WEB

Mbrs : C00600 CVCFTV FPC322 FWS703 HC1660 LCA395 LS1104 MCIU01 OC1332 OC1420  
Mbrs : OC1586 OC2076 OCE979 OCU596 OTC811 OUC553 OUC582 OUC613 PGSORL  
Mbrs : SB2186 SBF02 SL1086 SMN407 USSP01 UTI297



Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
COO600	CITY OF ORLANDO WATER RECLAMATION	DAVID BREITRICK	Day: (407) 246 - 3525	RECLAIMED WATER, WASTEWATER
CVCFTV	CHARTER COMMUNICATIONS	MARVIN USRY JR	Day: (407) 532 - 8509 Alt: (407) 448 - 5506	FIBER, TELEPHONE, CATV
FPC322	DUKE ENERGY	STEPHANIE OLMO	Day: (407) 905 - 3376	ELECTRIC
FWS703	TOHO WATER AUTHORITY - ZONE 3	CARLOS SANTIAGO***	Day: (407) 944 - 5057 Alt: (407) 709 - 2814	RECLAIMED WATER, WATER, SEWER
HC1660	HOTWIRE COMMUNICATIONS	WALTER DAVILA	Day: (954) 699 - 0900	FIBER, TELEPHONE, CATV
LCA395	COMCAST COMMUNICATIONS/PREV LK CNTY CBLV	WADE MATHEWS	Day: (352) 516 - 3824	CATV
MCIU01	MCI	DEAN BOYERS	Day: (469) 886 - 4238	FIBER, COMMUNICATION LINES
OC1332	ORANGE COUNTY UTILITIES - WASTE WATER	DAVID SHORETTE	Day: (407) 254 - 9764	WASTEWATER
OC1420	ORANGE COUNTY PUBLIC WORKS	ROGER SMITH	Day: (407) 836 - 7804	FIBER, TRAFFIC SIGNALS
OC1586	OSCEOLA COUNTY TRAFFIC	JACK LOTT	Day: (407) 742 - 7534	FIBER, TRAFFIC LIGHTS
OC2076	CITY OF ORLANDO TRAFFIC ENG SIGNAL FIBER ELECTRIC	BENTON BONNEY	Day: (407) 246 - 2636 Emerg: (407) 246 - 2617	FIBER, TRAFFIC SIGNALS, ELECTRIC
OCE979	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	VU VU	Day: (407) 843 - 5120 Alt: (407) 453 - 4161	FIBER
OCU596	ORANGE COUNTY UTILITIES	VICTOR GONZALEZ	Day: (407) 836 - 6869 x66869	WATER
OTC811	ORLANDO TELEPHONE COMPANY INC	JACK LEOPARD	Day: (407) 996 - 6297	FIBER, TELEPHONE
OUC553	ORLANDO UTILITIES COMMISSION - WATER	STEVEN LOCKINGTON	Day: (407) 434 - 2568	WATER
			Day: (407) 434 - 2569	ELECTRIC



OUC582	ORLANDO UTILITIES COMMISSION - ELECTRIC	RONALD HAWKINS	Alt: (582) 613 - 1579	
OUC613	ORLANDO UTILITIES COMMISSION - TRANSMISSION	USIC DISPATCH	Day: (800) 778 - 9140	FIBER, TRANSMISSION
PGSORL	TECO PEOPLES GAS- ORLANDO	JOAN DOMNING	Day: (813) 275 - 3783	GAS
SBF02	A T & T/ DISTRIBUTION	DINO FARRUGGIO	Day: (561) 997 - 0240	TELEPHONE
SL1086	UNITI FIBER LLC	D J MCAULEY	Day: (251) 259 - 0807	FIBER
SMN407	EMBARQ COMMUNICATION INC.	ROBERT GODEK	Day: (407) 830 - 3421	FIBER
USSP01	SPRINT	JON BAKER	Day: (352) 409 - 5095 Alt: (321) 280 - 9596	FIBER
UTI297	CENTURYLINK WINTER GARDEN	TY LESLIE	Day: (407) 814 - 5293	FIBER, TELEPHONE



CFX FEASIBILITY STUDY PART 2

Ticket : 276805367 Rev:000 Taken: 10/03/18 10:25ET

State: FL Cnty: OSCEOLA GeoPlace: ST CLOUD

CallerPlace: ST CLOUD

Subdivision:

Address :

Street :

Locat: 1. UNDEVELOPED/ DEVELOPED LAND WEST OF NARCOOSSEE ROAD, NEAR CYRILS DRIVE

:

Remarks : OSCEOLA COUNTY PORTION OF PROJECT

IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

\*\*\* LOOKUP BY MANUAL \*\*\*

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Grids	:	2819A8109A	2819A8110A	2819A8110B	2819A8110C	2819A8110D
Grids	:	2819A8111A	2819A8111B	2819A8111C	2819A8111D	2819A8112A
Grids	:	2819A8112B	2819A8112C	2819A8112D	2819B8110A	2819B8110B
Grids	:	2819B8111D	2819C8110A	2819C8110B	2820A8108A	2820A8108B
Grids	:	2820A8108C	2820A8108D	2820A8109B	2820A8109C	2820A8109D
Grids	:	2820A8112A	2820A8112B	2820A8113C	2820A8113D	2820B8108A
Grids	:	2820B8108B	2820B8108C	2820B8108D	2820B8109A	2820B8109B
Grids	:	2820B8109C	2820B8109D	2820B8110A	2820B8110B	2820B8110C
Grids	:	2820B8110D	2820B8111C	2820B8111D	2820B8112A	2820B8112B
Grids	:	2820B8112C	2820B8113D	2820C8110A	2820C8110B	2820C8110C
Grids	:	2820C8111A	2820C8111B	2820C8111C	2820C8111D	2820C8112A
Grids	:	2820C8112B	2820C8112C	2820C8112D	2820C8113D	2820D8109A
Grids	:	2820D8110A	2820D8110B	2820D8110C	2820D8110D	2820D8111A
Grids	:	2820D8111B	2820D8111C	2820D8111D	2820D8112A	2820D8112B
Grids	:	2820D8112C	2820D8112D			

Work date: 10/03/18 Time: 10:57ET Hrs notc: 000 Category: 6 Duration: 00 DAYS

Due Date : 10/05/18 Time: 23:59ET Exp Date : 11/02/18 Time: 23:59ET

Work type: DESIGN/ FEASIBILITY STUDY Boring: N White-lined: N

Ug/Oh/Both: U Machinery: N Depth: 0 Permits: N N/A

Done for : CENTRAL FL EXPRESSWAY AUTHORITY

Company : THE BALMORAL GROUP Type: CONT

Co addr : 165 LINCOLN AVE

City : WINTER PARK State: FL Zip: 32789

Caller : ARMANDO PEREZ Phone: 407-629-2185

BestTime: 8AM-5PM



Email : ATPEREZ@BALMORALGROUP.US

Submitted: 10/03/18 10:25ET Oper: ARM Chan: WEB

Mbrs : CSC574 FWS703 LCA395 LS1104 OUC582 SB2186 SBF02 UTI297

Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
CSC574	C/O ST CLOUD W/WW LINE SYSTEMS DIVISION	RICK MAURO	Day: (407) 957 - 7341 Alt: (407) 709 - 3257	RECLAIMED WATER, WATER, SEWER
FWS703	TOHO WATER AUTHORITY - ZONE 3	CARLOS SANTIAGO***	Day: (407) 944 - 5057 Alt: (407) 709 - 2814	RECLAIMED WATER, WATER, SEWER
LCA395	COMCAST COMMUNICATIONS/PREV LK CNTY CBLV	WADE MATHEWS	Day: (352) 516 - 3824	CATV
OUC582	ORLANDO UTILITIES COMMISSION - ELECTRIC	RONALD HAWKINS	Day: (407) 434 - 2569 Alt: (582) 613 - 1579	ELECTRIC
SBF02	A T & T/ DISTRIBUTION	DINO FARRUGGIO	Day: (561) 997 - 0240	TELEPHONE
UTI297	CENTURYLINK WINTER GARDEN	TY LESLIE	Day: (407) 814 - 5293	FIBER, TELEPHONE



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## **APPENDIX E**

### **Utility Contact Log**



UTILITY COORDINATION LOG - INITIAL CONTACT / CONFIRMATION						
CFX PROJECT NO. 599-223A						
Legend:		Awaiting Confirmation	Confirmed Correct Contact	Confirmed Incorrect Contact	Preliminary Coordination Complete	Updated: 09/12/2018 ATP
UTILITY OWNER	CONTACT	TELEPHONE	PHYSICAL ADDRESS	EMAIL ADDRESS	TYPE & FACILITIES	COMMENTS
AT&T Distribution	<del>Dino Ferruggie</del> Rich Mindrum Alan Reynolds	<del>561-997-0240</del> 321-695-6049 407-351-8180	5100 Streyr Street, Orlando, FL 32819	TBD rx0819@att.com ar2916@ATT.com	Aerial & buried cables Telephone	10/03/2018: Called & left voice message for Dino. Dino's voice message directs locates to USC phone #. 10/12/2018: Called Rich Mindrum (past project contact). He gave me information for Alan Reynolds, who can assist with locates. 10/12/2018: Contacted Alan who gave me email address. Plans sent today for review. Awaiting further direction. 10/22/2018: Alan sent back marked up PDF's with their utilities. I requested a cost estimate. Detailed plans needed for cost estimate.
Charter Communications	Marvin Usry Jr.  Ronald Tynes Todd Hudson Jesus Ayala	407-532-8509 407-448-5506 (Alt.)	TBD	marvin.usryjr@charter.com  Ronald.tynes@charter.com todd.hudson@charter.com Jesus.Ayala@charter.com	Aerial & buried cables Fiber, Telephone, CATV	10/03/2018: Spoke to Marvin. I will send project information, and he will forward it to the right person. 10/08/2018: Emailed project info 10/08/2018: Marvin responded with two contacts Ronald Tynes & Todd Hudson. These two were forwarded my information. 10/10/2018: Ronald returned maps & additional contact for relocation/ future location inquiries (Jesus Ayala). 10/10/2018: Sent Jesus email request for more information. Awaiting further direction. 10/11/2018: Jesus desired Plan sheets. We settled on using the current available files we had. He provided additional information but said that a cost estimate will have to be developed once Plan Sheets are developed. When Plan Sheets become available I will send to Jesus.
CFX	Jim Bradford Jonathan Williamson Kelsey Lucas	321-354-9605	TBD	jbradford@dewberry.com jwilliamson@Dewberry.com kelsey.lucas@rsandh.com	Fiber	10/09/2018: Was referred to Jim Bradford. Jim will field my request to Jonathon Williamson for addressing 10/09/2018: Emailed Jim project information 10/09/2018: Jim responded with Jonathon Williamson attached. Waiting for further direction. 11/9/2018: Sent email with additional information. Jon is out of office until Nov. 12th. 11/12/2018: Jon responded and will reach out to RS&H for information. 11/13/2018: Kelsey Lucas replied asking for clarification on what information I am requesting. Kelsey responded and said they have a meeting with CFX this Wed (11/14), and will provide any available UAO information they acquire. 12/11/2018: Sent email to follow up. Kelsey responded with no additional UAO information but said that they will be meeting with CFX tomorrow (12/12) and will inquire about the utilities. 12/12/2018: Kelsey responded with As-built.
Century Link	Ty Leslie Marion Brown Kevin Harder (Terra Tech)	407-814-5293	TBD	michel.t.leslie@centurylink.com marion.n.brown@Centurylink.com kharder@terratechllc.net	Fiber/ Telephone	10/03/2018: Spoke to Ty. I will send project information, and he will forward it to the right person. 10/08/2018: Emailed project info 10/08/2018: Ty responded with David Byrnes and Marion Brown copied. No other information in email 10/09/2018: Marion reached out and forwarded my email to Kevin Harder from Terra Tech who is a consultant that works on Century Link's behalf Osceola County. Awaiting further direction. 10/24/2018: Kevin Harder sent back marked maps. More detailed information will be provided once we have narrowed our corridors or once we provide more detailed plans.
City of St. Cloud	Rick Mauro Cameron Crandell	407-957-7341 407-709-3257 (Alt.)	TBD	rmauro@stcloud.org cameron.crandell@stcloud.org	Reclaimed Water, Water, Sewer	10/03/2018: Spoke to Rick. I will send project information, and he will forward it to the right person. 10/08/2018: Emailed project info 10/09/2018: Cameron responded with no conflict.
City of Orlando Water Reclamation	David Breitrick Daniel Bollone	407-246-3525 407-246-3805	TBD	david.breitrick@cityoforlando.net Daniel.Bollone@cityoforlando.net	Reclaimed Water, Wastewater	10/03/2018: Called & left voice message for David. 10/05/2018: Called but no answer 10/12/2018: Called and answered. David provided me his email address and I sent Plans for review. Awaiting further direction. 10/23/2018: Daniel Bollone responded back with Maps and letter. I replied with inquiry for cost estimate. 10/24/2018: David replied with no estimate. Response indicated that they were not qualified to perform a cost estimate.
City of Orlando Traffic Eng Signal Fiber Electric	Benton Bonney	407-246-2636	TBD	TBD	Fiber, Traffic signals, electric	10/03/2018: Called & left voice message for Benton. 10/05/2018: Called but no answer 10/12/2018: Called but no answer. Left message.



UTILITY COORDINATION LOG - INITIAL CONTACT / CONFIRMATION						
CFX PROJECT NO. 599-223A						
Legend:		Awaiting Confirmation	Confirmed Correct Contact	Confirmed Incorrect Contact	Preliminary Coordination Complete	Updated: 09/12/2018 ATP
UTILITY OWNER	CONTACT	TELEPHONE	PHYSICAL ADDRESS	EMAIL ADDRESS	TYPE & FACILITIES	COMMENTS
Comcast	Wade Matthews Cesar Rivera	352-516-3824	TBD	cenfir-lac_construction@cable.comcast.com cesar_rivera@comcast.net	CATV	10/03/2018: Called & left voice message for Wade (voicemail didn't identify Wade). 10/05/2018: Called but no answer 10/09/2018: Wade answered call. Gave me email contact for addressing locates. Made me aware that a response may be delayed due to incoming hurricane. 10/09/2018: Emailed cenfir contact, received automatic response from Rodney Hand. Awaiting further direction. 10/18/2018: Cesar sent email with utilities and estimate.
Duke Energy Distribution	Stephanie Olmo	407-905-3376	TBD	defdistributiongov@duke-energy.com stephanie.olmo@duke-energy.com	Distributed Electric	10/03/2018: Spoke to Stephanie. She informed me to send our information to desdistributiongov@duke-energy.com and from there it will be forwarded and assigned to an appropriate person. She mentioned that if Transmission lines (separate department) are encountered that they will forward me to the right people. 10/08/2018: Emailed project info 11/9/2018: Spoke to Stephanie on progress. She had not received my email due to misspelling of email address. She received the information and is going to review it. 12/11/2018: Followed up with voicemail. Awaiting further response.
Embarq Communications Inc.	Robert Godek	407-830-3421	TBD	rob.m.godek@centurylink.com	Fiber	10/03/2018: Spoke to Robert. He informed me that he is affiliated with Century Link, but that his lines are independent of Century Link (may be in similar areas though). I will send project information, and he will review them. 10/08/2018: Emailed project info 11/9/2018: Spoke to Rob. He informed me that he hadn't reviewed it but that if Centruy Link (Terra Tech) had sent Maps with info then Embarqs utilities should be present in there. He will review the maps and reply in kind. 11/9/2018: Rob reviewed the documents and identified that Embarq utilities are presented in Century Links greenlines.
Hotwire Communications	Walter Davila	954-699-0900	TBD	walter.sancho-davila@hotmail.com	Fiber, Telephone, CATV	10/03/2018: Spoke to Walter. I will send project information, and he will review them. 10/08/2018: Emailed project info 10/09/2018: Walter responded with no conflict.
MCI	Dean Boyers	469-886-4238	TBD	TBD	Fiber, Communication Lines	10/03/2018: Called but voicemail box was full.
Orlando Telephone Company	Jack Leopard Corey Lassonde	407-996-6297 407-996-6297	TBD	TBD corey.lassonde@summit-broadband.com	Fiber, Telephone	10/03/2018: Spoke to Corey. He informed me that Jack Leopard does not work there any more. I will send project information (Corey), and he will review them. 10/08/2018: Emailed project info. Awaiting further direction 11/9/2018: Called and sent follow up email to Corey. He responded with request for Plans. I informed him that we have none. I am waiting for his response to see if Google Earth Snip Its will suffice. 12/11/2018: Followed up with voicemail. Awaiting further response.
Orlando Utilities Commission Electric	Ronald Hawkins	407-434-2569 582-613-1579 (Alt.)	TBD	TBD	Electric	10/03/2018: Called & left voice message for Ronald. 10/05/2018: Called but no answer 10/09/2018: See Chuck correspondence.
Orlando Utilities Commission Water	Steve Lockington Chuck Digerlando Calvin Griffin	407-434-2568 407-434-2563	TBD	TBD developmentsservices@ouc.com cdigerlando@ouc.com cgriffin@ouc.com	Water	10/03/2018: Called & left voice message for Steve. 10/05/2018: Called but no answer 10/09/2018: Stacy picked up in lieu of Steve. She made me aware that Steve no longer works there. She forwarded my information to Chuck. I called Chuck but no answer. 10/09/2018: Chuck called me back. Told me to send request to development services email. I sent it out today 11/9/2018: Left voice message for Chuck to follow up. 11/9/2018: Spoke with Chuck. Resent project information to Development Services with Chuck copied (email got lost). Awaiting for further direction 12/11/2018: Called Chuck to follow up with request. He was unaware of my request and could not remember the specifics of our discussion. We discussed the project and he referred me to Calvin Griffin for utility maps involving design projects. A request was sent to Calvin Griffin. Awaiting further direction.
Orlando Utilities Commission Transmission	USIC Dispatch	800-778-9140	TBD	TBD	Fiber, Transmission	10/03/2018: Similar to Dino (ATT) voice message. 10/09/2018: See Chuck correspondence.



UTILITY COORDINATION LOG - INITIAL CONTACT / CONFIRMATION						
CFX PROJECT NO. 599-223A						
Legend:		Awaiting Confirmation	Confirmed Correct Contact	Confirmed Incorrect Contact	Preliminary Coordination Complete	Updated: 09/12/2018 ATP
UTILITY OWNER	CONTACT	TELEPHONE	PHYSICAL ADDRESS	EMAIL ADDRESS	TYPE & FACILITIES	COMMENTS
Orange County Utilities Wastewater	David Shorette Jose Hernandez	407-254-9764 407-254-9924 or 407-254-9900	TBD	david.shorette@ocfl.net	Wastewater	10/03/2018: Called & left voice message for David. 10/03/2018: David called back. Provided me his email, and would send back a map with utilities on it. He instructed me to provide parcel ID #'s as well. He mentioned that the map will include any pertinent water/wastewater/ reclaimed water lines. No affiliation to Roger Smith (Orange County). 10/08/2018: Emailed project info. Awaiting further direction 11/9/2018: Followed up with email and call. David responded in email that he is not the correct person to handle this and he provided me additional contacts (Jose Hernandez). 11/9/2018: Called Jose Hernandez contact numbers but no reply. 12/11/2018: Called Jose Hernandez contact numbers but no reply.
Orange County Public Works	Roger Smith	407-836-7804	TBD	roger.smith@ocfl.net	Fiber, Traffic Signals	10/03/2018: Spoke to Roger. I will send project information, and he will forward it to Matt Shipley (?). Both will work on provided locates. Will send plans to Roger. 10/08/2018: Emailed project info. Awaiting further direction 11/9/2018: Spoke to Roger to follow up. Resent him information (email got lost). Awaiting for further information. 12/11/2018: Followed up with voicemail. Awaiting further response.
Orange County Utilities Water	Victor Gonzalez Guy Jackson	407-836-6869 ext.66869 305-988-7646	TBD	TBD	Water	10/03/2018: Called Victor but his voicemail referred all utility locates to Guy Jackson. I called Guy and left a message. 10/09/2018: Called Guy and left a message 11/09/2018: Called Guy but no message.
Osceola County	Jack Lott	407-742-7534	TBD	Jack.lott@osceola.org	Fiber, Traffic Lights	10/03/2018: Spoke to Jack. I will send project information, and he will review them. 10/08/2018: Emailed project info. Awaiting further direction 11/9/2018: Sent email and phone call for follow up. 11/13/2018: Jack replied with no conflicts except at Simpson and Boggy Creek Rd (Signalization Cable); Sent As-builts shortly after.
Sprint	Jon Baker	352-409-5095 321-280-9596 (Alt.)	TBD	jon.baker@sprint.com	Buried Fiber	10/03/2018: Spoke to Jon. I will send project information, and he will review them. 10/08/2018: Emailed project info. Awaiting further direction 10/29/2018: Jon responded with letter of no conflict.
Teco Peoples Gas - Orlando	Joan Domning Shawn Winsor	813-275-3783 407-420-6663	TBD	jdomning@tecoenergy.com swinsor@tecoenergy.com	Gas	10/03/2018: Spoke to Joan. She informed me that Teco receives Sunshine 811 design tickets automatically, and she will handle them sequentially. I informed her that are project limits are extensive, and that clearer direction may be needed. She agreed and asked that I send her a project location map or KMZ with the Sunshine Design Ticket # in the subject line. 10/08/2018: Emailed project info 10/11/2018: Joan reached out for additional information. I sent her Google Snip It Attachment for clarity of project location. 10/11/2018: Joan sent Map with small description of utility. 10/18/2018: Reached out to Joan for relocation estimate. She replied with Shawn Winsor as a reference. 10/18/2018: Shawn (who was copied on email) sent back rough cost estimate of relocating Gas lines.
Toho Water Authority	Carlos Santiago  Robert Pelham Mike Pampouk Calvin Carrero Edwin Matos (Cost Estimate)	407-944-5057 407-709-2814 (Alt.) 407-944-5000 Ext. 5132 407-944-5000 Ext. 777? 407-944-5044	TBD	TBD  rpelham@tohowater.com mpampouk@tohowater.com ccarrero@tohowater.com ematos@tohowater.com	Water/ Sewer	10/03/2018: Called the first two numbers but they are disconnected. Called 407-944-5000 (TOHO customer service). Receptionist directed me to Robert Pelham (Engineer). I left message for Robert. Robert is out of office from Oct 1st to Oct. 3rd. 10/04/2018: Mike Pampouk from Toho Water contacted me in place of Robert. I will send him a request for information. 10/08/2018: Emailed project info. Awaiting further direction. 10/24/2018: Calvin responded to me with project maps. 10/25/2018: I inquired about cost estimate to Calvin. Calvin replied with Edwin Matos copied. 11/2/2018: Edwin Matos inquired about maps for cost estimate purposes. I sent him the mark-ups and plans. Awaiting further direction
UNITI Fiber LLC	D J McAuley	251-259-0807	TBD	TBD	Fiber	10/03/2018: Called but voicemail box was full.

NOTES:

1. First contacts (upper most) are the UAO's original as indicated on Sunshine 811 Design Ticket.
2. Contacts crossed out with slash indicate incorrect personnel