

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**TECHNICAL REPORT COVERSHEET**

650-050-38  
ENVIRONMENTAL  
MANAGEMENT  
08/22

DRAFT UTILITY ASSESSMENT PACKAGE (PART 1)

Florida Department of Transportation

District 5

S.R. 60 Project Development and Environment (PD&E) Study

Limits of Project: Prairie Lake Road to Florida's Turnpike

Osceola County, Florida

Financial Management Number: 452574-1

ETDM Number: 14563

Date: August 2025

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022 and executed by the Federal Highway Administration and FDOT.

\_\_\_\_\_  
Authorized Signature

Daniel P. Shull, P.E.

\_\_\_\_\_  
Print/Type Name

Drainage Engineer

\_\_\_\_\_  
Title

220 West Garden Street, Suite 700

\_\_\_\_\_  
Address

Pensacola, FL 32502

\_\_\_\_\_  
Address

\_\_\_\_\_  
Seal

# Issue and revision record

Revision	Date	Originator	Checker	Approver	Description
1	August 2025	RC	KM	DS	Update per draft comments and additional markups from UAO's

**Document reference:** 452574-1-22-01

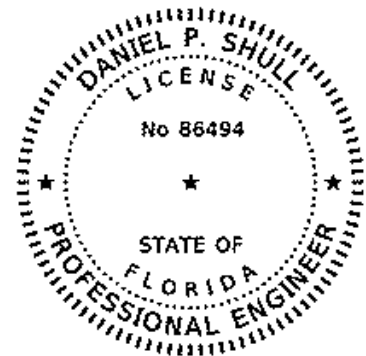
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# 1 Introduction

## 1.1 Purpose

Mott MacDonald (MM) has been authorized by Volkert, Inc. on behalf of the FDOT to prepare planning documents for the SR 60 improvements in Osceola County. This project begins at Prairie Lake Road on the east side of Lake Kissimmee and ends just west of the bridge crossing over SR 91 (Florida's Turnpike).

The development of a Utility Assessment Package is essential in the preparation of the SR 60 Project Development & Environment (PD&E) Study. The primary goal of the report is to provide information regarding existing utilities within the corridor and any potential impacts to those utilities as a result of the proposed improvements.

## 1.2 Project Description

This project involves the improvement of SR 60 from east of the bridge crossing Kissimmee River along SR 60 to SR 91 in Osceola County, approximately 20 miles in total mainline length. This report is being prepared for the entirety of this project, which resides in Osceola County.

**Figure 1** below shows the project location map.

**Figure 1 – Project Location Map**



The existing roadway is classified as a rural principal arterial and is a two-lane, undivided roadway consisting of two 12-foot travel lanes with 4-foot outside paved shoulders in each direction.

The proposed improvements include widening to four, 12-foot travel lanes with 5-foot paved outside shoulders and 4-foot paved inside shoulders on both sides of the roadway. A median will be constructed to provide division between the opposing travel lanes. The purpose of the

proposed roadway is to improve safety with considerations to the Target Zero Initiative. The project further aims to improve regional mobility by adding capacity to the mainline, which also increases safety for motorists and bicyclists, as well as increase emergency evacuation accessibility in the surrounding areas.

This project is located in Sections 1, 2, 11, and 12, Township 31 South, Range 31 East, Sections 1, 7, 8, 12, 15, 16, 17, 18, 22, 23, 25, 26, 29, 30 31, 32, 33, and 34, Township 31 South, Range 33 East, and Sections 5, 6, 8, 9, 10, 14, and 15, Township 32 South, Range 34 East. Elevations in this report are based on the 1988 North American Vertical Datum (NAVD).

## 2 Utility Owners

There are eight existing utilities present within the project limits based on the information collected in the 811 ticket. A majority of the utilities are present near the vicinity of US 441 (SR 15) and Florida's Turnpike (SR 91). **Table 1** below provides the utility companies and their associated contact information.

**Table 1 – Utility Owner Contact Information**

Utility Company	Contact Person	Contact Number	Email Address
AT&T Distribution	Dino Farruggio	561-683-2729	G27896@att.com
AT&T Corp.			
Charter Communications (Spectrum)	Gary Blevins	813-302-0800	gary.blevins@charter.com
Crown Castle	Rashad Dickerson	678-726-6146	rashad.dickerson@crowncastle.com
Florida Southeast Connection	Loren Brown	305-552-2132	loren.brown@nexteraenergy.com
Frontier Communications	Denise Hutton	941-504-9652	denise.hutton@ftr.com
CenturyLink (Lumen)	Daniel Goette		Daniel.goette@lumen.com
Level 3 Communications (Lumen)	Daniel Goette		Daniel.goette@lumen.com
Osceola County Traffic	Jack Lott	321-624-1590	jack.lott@osceola.org
Peace River Electric Cooperative, Inc.	Paul Roberts	863-767-4650	paul.roberts@preco.coop

## 3 Existing Utilities

There are eight existing utilities present within the project limits. A description of the existing utilities and known information about their disposition is provided below.

### 3.1 AT&T

Utility markups from AT&T Distribution and AT&T Corp for FPID 441036-1 were obtained. This project included work between SR 15 and SR 91 on the east end of the limits for this project. These markups show AT&T Distribution has a buried fiber line that runs along the east side of US 441 where it crosses under SR 60. This fiber line is labeled as a fiber optic cable 24 north of SR 60 and as a fiber optic cable 30 under the roadway and south of the intersection. At the southeast quadrant of the intersection, a single 4" PVC conduit carrying a fiber optic cable 06 is present along the south side of SR 60 near the existing right-of-way. The fiber line crosses under SR 60 east of the SR 91 ramp intersection and runs to the east to an existing pole approximately 500-feet west of SR 91. The fiber line goes aerial from this pole on a fiber optic cable 24 and continues east over SR 91 past the project limits. However, correspondence with AT&T Distribution revealed that per their records, this area is not within the area serviced by AT&T. Rather than removing the information gathered from FPID 441036-1, these AT&T facilities are still shown per the previous markups. Further coordination should occur during design to determine if these facilities do exist.

Markups from AT&T Corp for FPID 441036-1 were also obtained. These markups show that there are two, 2-inch HDPE fiber lines that run down the median of SR 91. These lines will not be impacted by this project.

### 3.2 Charter Communications

Markups provided by Charter Communications (Spectrum) confirm the utility locations within the project limits. An overhead television line enters the SR 60 right-of-way on the west side of Mae Bass Road connected to power poles and then continues east along north side of SR 60 until reaching the intersection with US 441. West of this intersection, the line goes underground and continues as buried fiber optic until reaching an overhead pole east of the Pilot Travel Center. At this pole, the line goes aerial again to the west side of the SR 91 on and off-ramp intersection. Buried fiber optic line is used to cross under the intersection and then again continues as an aerial line east of the intersection. The line remains aerial past the project limits. The markups from Charter also show a buried fiber line along the east side of US 441 that goes under SR 60. Once across the intersection, the fiber line is shown turning east along the south side of SR 60. It should also be noted that there is a buried fiber crossing near Station 1004+30. This line provides a connection to the south side of SR 60 from the overhead television line that running along the north side of the roadway. Coordination with Charter Communications revealed that the buried fiber lines are within 2, 1.5" conduits.

### 3.3 Crown Castle

Updated markups and previous data show that Crown Castle has buried fiber within 4, 1.5" HDPE conduits. These conduits run along the east side of US 441 south of SR 60. At the intersection, the lines cross under SR 60 on the east side and continue east along the north side of the SR 60 past the project limits.



### 3.4 Florida Southeast Connection

A 36" gas main owned by Florida Southeast Connection (FSC) is present along SR 60 for most of the project limits. The gas main crosses Lake Kissimmee on the north side of SR 60 and then about 600 feet west of Prairie Lake Road it turns and crosses to the south side of the roadway. A valve assembly is present on the north side of SR 60 at this crossing and is accessed through an unpaved roadway parallel to SR 60 that connects to Prairie Lake Road. From there the gas main runs within a 50' easement along the southern right-of-way line that is owned by FSC. There are a few locations where the 36" gas main moves out slightly away from the Department's right-of-way. These locations include:

- Near the bridge over Blanket Bay Slough (Sta. 277+00 to 304+00)
- From 1 mile east of Peavine Road to Rohde Road (Sta. 693+00 to 768+00)
- Around two existing houses (2648 & 2650 SR 60) (Sta. 1004+00 to 1011+00)
- Near intersection with US 441 (Sta. 1040+60 to 1046+00)

The 36" line turns at US 441 and continues south along the west side of US 441. As-built plans were obtained to show the location of the existing facility and easement. These plans show alignment and profile of the gas line along with locations of valve assemblies or areas of horizontal directional drilling (HDD). This is a major utility that feeds three different power plants. Relocation of the gas main would result in significant costs.

### 3.5 Frontier Communications

Markups were provided by Frontier Communications showing their existing locations. Frontier has a buried telephone that runs along the south side of SR 60 underneath Lake Kissimmee and continues along SR 60 until routing into a telephone pedestal about 1,200 feet east of the existing bridge. From this pedestal, the telephone line runs above ground as overhead telephone until about 400 feet west of Prairie Lakes Road. At this location, the line crosses SR 60 and continues east along the north side of SR 60 in a buried line. Approximately 600-feet east of Hyatt Farms Road, an overhead telephone line is also present on the north side of SR 60. Both the buried and overhead lines leave the SR 60 right-of-way on the north side about 1,100 feet east of Hyatt Farms Road. There are no other Frontier Communications facilities within the remainder of the project.

### 3.6 Lumen

Lumen has both CenturyLink local facilities and Level 3 Communications facilities within the project limits.

#### 3.6.1 CenturyLink Local

CenturyLink local has not provided updated markups for this project. The information shown is from data obtained from FPID 44036-1. This information shows numerous buried telephone lines in proximity to US 441 and SR 91. These lines are summarized below:

- A buried telephone 100 is present on the south side of SR 60 west of US 441 and is shown as being within a 4.5" PVC conduit.
- A buried telephone 200 is present on the west side of US 441 and shown crossing under SR 60.
- The buried telephone 100 and 200 above come together near the existing strain pole located in the southwest quadrant of the US 441 and SR 60 intersection. A buried telephone 50 is shown connecting to the same location and continuing south along the west side of US 441.

- The east side of US 441 shows a buried fiber 48 line within a 4.5" PVC conduit that crosses under SR 60. An adjacent fiber line is shown that is the location of buried fiber 12 and 24 lines that are no longer in service.
- Two buried telephone lines are located on the east side of US 441 and turn to the east at SR 60 and run along the north side of the roadway. These lines are shown as buried 100 and 300 lines. Both lines continue east along the north side of SR 60 to the intersection of the SR 91 on and off-ramps. The 100 line turns and runs along the west side of the off-ramp. The 300 line crosses under the intersection and continues east.
- Buried telephone 25 lines are shown crossing SR 60 in two locations. The first location is about 200-feet east of the US 441 intersection and the second crossing is about 200-feet west of the SR 91 on and off-ramp intersection.

### **3.6.2 Level 3 Communications**

Updated markups from Level 3 were obtained and confirmed that there is a duct bank on the east side of US 441 that crosses under SR 60. This facility consists of 12, 1.25" HDPE conduits with two fiber optic cable lines within the conduits. The fiber lines include one 216 count and one 96 count line. There are no other Level 3 facilities within the project limits.

## **3.7 Osceola County Traffic**

Osceola County Traffic Operations has facilities within the project area related to ITS, signals, and lighting around the US 441 and SR 91 on and off-ramp intersections. These facilities were installed under previous FDOT projects and are now operated by Osceola County. As-built plans were provided by Osceola County.

There are several buried conduits associated with the ITS facilities. A 2" conduit runs from the existing strain pole in the southwest quadrant of the US 441 intersection to the east along the south side of SR 60. This conduit crosses to the north side of SR 60 just west of the SR 91 on and off-ramp intersection. The line continues along the north side of SR 60 and crosses under SR 91 past the project limits. Additional ITS conduit is also present east of the RaceTrac gas station in proximity to the overhead message board.

The signalization plans show some additional conduit is present at the SR 91 on and off-ramp intersection. These conduits provide connection to the existing mast arms and pedestrian signals.

The lighting plans also illustrate more locations of existing conduit used to connect power to the light poles present between US 441 and the end of the project. There are several lights on both sides of SR 60 at the US 441 intersection connected with 2" conduits. Lighting continues to the east on the south side of SR 60 to the next intersection. East of the SR 91 on and off-ramp intersection, existing lights also exists on the north side of SR 60 up to the project limits.

## **3.8 Peace River Electric Cooperative, Inc.**

The information shown and discussed is based on overhead electric lines visible within the SR 60 right-of-way. Utility sheets were sent to Peace River Electric Cooperative (PRECO) and were confirmed to be shown correctly. PRECO also stated that all lines are 14.4 KV and that PRECO has no transmission or fiber lines within the project limits. PRECO overhead electric lines cross over Lake Kissimmee on the south side of SR 60 and enter the project limits. The overhead line stays on the south side until it crosses to the north about 400-feet west of Prairie Lakes Road. The main overhead electric line continues east along the north side of SR 60. About 900-feet west of the bridge over Blanket Bay Slough (near Station 281+80), the overhead

line crosses to the south side. The line stays on the south side to span over the creek and then crosses back to the north about 900-feet east of the bridge (near Station 299+60). PRECO's line stays on the north side and continues until Station 647+20 where it ends. New poles were added recently that extended the line from its previous end point at the communications tower near Station 611+85.

Overhead electric lines appear again near station 833+00 as lines enter the SR 60 right-of-way from the west side of Rohde Road. The overhead line turns east and continues along the north side of SR 60 to the US 441 intersection. At US 441, the overhead facilities briefly switch to the south side of SR 60 to cross the intersection before returning to the north side and continuing to the SR 91 on and off-ramp intersection. Buried electric lines cross under this intersection and then overhead lines pick up again and continue east of SR 91 past the project limits.

There are several locations within the project limits where the overhead electric lines split off from SR 60 for service lines or other facilities. These locations are shown in the existing utility sheets.

## 4 Utility Impacts

Utility impacts have been evaluated for both the north and south shift alternatives. Toward the end of the project, the roadway transitions to a narrower urban typical with slight impacts to both sides of the roadway. This section of roadway is from just west of US 441 to the end project near Florida's Turnpike.

### 4.1 North Shift Alternative within Rural Section

Potential utility impacts within the rural typical section from the north shift alternative are listed below in Table 2. The majority of the impacts are related to the overhead electric lines and poles owned by PRECO. There are also buried and overhead communications lines owned by Frontier and Charter that would be impacted. Additionally, the 36" gas main owned by Florida Southeast Connection crosses from the north to south of SR 60 at Station 42+00. A coordination meeting was held with FSC to discuss the project and the different alignment alternatives. Any proposed storm drain pipes that cross the existing gas main require 2-ft of clearance for open trench applications and 10-ft of clearance for boring applications. FSC prefers that storm drain pipes be installed below the gas main to allow for their facility to remain easily accessible for future maintenance or other issues. Another potential area of impact is from Station 1015+00 to 1030+00 where the roadway is transitioning from the rural to urban typical section. Grading along the south side of SR 60 will need to be evaluated to minimize earthwork over the existing gas main. Some additional fill within the gas easement may be acceptable and should be coordinated with FSC's land and right-of-way agent. Refer to **Appendix B** for meeting minutes from the coordination call and further correspondence from FSC. This includes encroachment review requirements and restrictions within the FSC pipeline easement.

**Table 2 – North Shift Utility Impacts within Rural Section**

Station	Side	Utility	Conflict
42+00	LT/RT	Florida Southeast Connection	36" Gas Main Crossing
44+00 to 281+80	LT	PRECO	75 Power Poles
44+00 to 67+00	LT	Frontier	Buried & Overhead Telephone
299+60 to 647+20	LT	PRECO	92 Power Poles
833+00 to 1030+00	LT	PRECO	48 Power Poles
889+00 to 1030+00	LT	Charter	Overhead Television

### 4.2 South Shift Alternative within Rural Section

Potential utility impacts within the rural typical section from the south shift alternative are listed below in Table 3. The major impact from this alternative would be to the existing 36" gas main. A south shift alternative would put the existing gas main within the median of the proposed roadway. Therefore, the gas main would need to be relocated further south within a new easement outside of the Department's right-of-way. A preliminary estimate from Florida Southeast Connection indicates that it would cost approximately \$100 million to relocate the

existing 36" main. This assumes a cost of approximately \$5 to \$6 million per mile, relocation of valve sets, and no interruption in service as this line feeds 3 different power plants. Additionally, storm drain pipe needed at Station 42+00 will need to be evaluated to meet clearance requirements from the gas main. These requirements were discussed above.

Other impacts within the rural section from a south shift includes approximately 17 power poles owned by PRECO and overhead and buried communications lines owned by Frontier.

**Table 3 – South Shift Utility Impacts within Rural Section**

Station	Side	Utility	Conflict
18+00 to 45+00	RT	PRECO	9 Power Poles
18+00 to 44+00	RT	Frontier	Buried & Overhead Telephone
42+00	LT/RT	Florida Southeast Connection	36" Gas Main Crossing
42+00 to 1030+00	RT	Florida Southeast Connection	36" Gas Main
280+00 to 300+00	RT	PRECO	6 Power Poles
463+15	RT	PRECO	1 Power Pole
915+90	RT	PRECO	1 Power Pole

### 4.3 Urban Section

The construction of the urban section of the project will potentially disrupt 11 power poles, and a wide range of underground cables/electrical owned by CenturyLink, AT&T, Charter Communications, Osceola County Traffic Operations, and Crown Castle. The greatest sites of disruption would be from the intersection at US 441 to the intersection at the SR 91 on and off-ramps. Table 4 summarizes the utility impacts within this section of the project.

**Table 4 – Utility Impacts within Urban Section**

Station	Side	Utility	Conflict
1030+00 to 1068+00	LT / RT	PRECO	11 Power Poles
1030+00 to 1042+00	RT	Florida Southeast Connection	Minor Grading Behind Sidewalk to Tie Down to Existing Grade
1030+00 to 1055+00	LT	Charter, CenturyLink, Crown Castle	Buried & Overhead Communications Lines
1043+00 to 1070+00	LT / RT	Osceola County	16 Light Poles and Conduit
1048+00 to 1066+00	RT	Osceola County	ITS Infrastructure
1048+00 to 1069+00	RT	AT&T	Buried Fiber
1054+00	RT	Osceola County	Overhead Message Board

## 5 Conclusion

The roadway widening of SR 60 from Prairie Lake Road to SR 91 will impact numerous utilities with the project limits. Approximate locations of the existing utilities and potential impacts has been included in this assessment. The 36" gas main outside the southern right-of-way for much of the project was identified as a critical utility. Impacts to this main would result in significant relocation costs and potential schedule delays. This report is preliminary and should be used as a tool for evaluation of the proposed alternatives. Any assumptions made within this report will be verified and updated through the design process.

## **APPENDIX A – Existing Utilities Sheets**

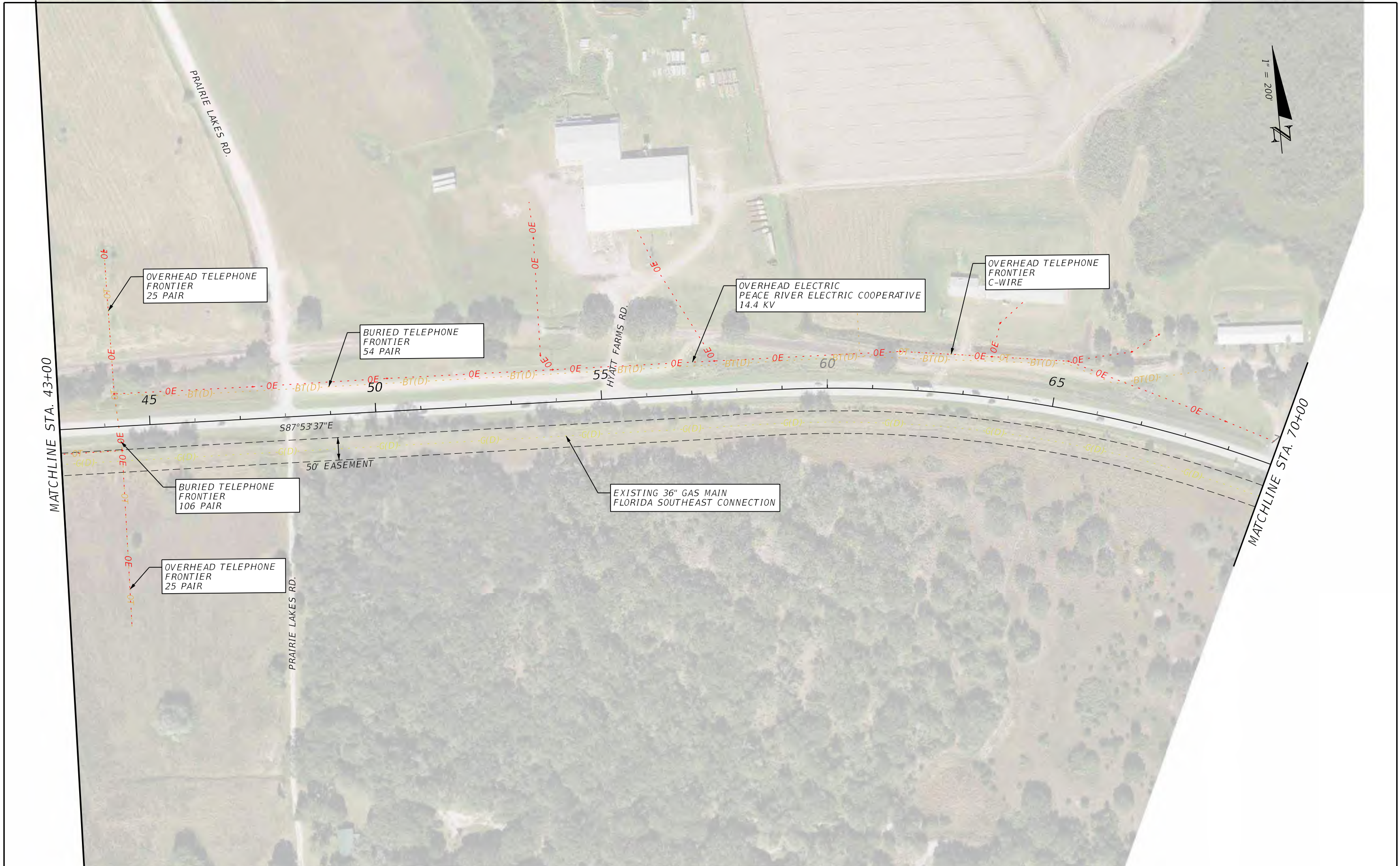


MATCHLINE STA. 43+00

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	1
<b>EXISTING UTILITIES</b>									

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MATCHLINE STA. 43+00

MATCHLINE STA. 70+00

OVERHEAD TELEPHONE  
FRONTIER  
25 PAIR

BURIED TELEPHONE  
FRONTIER  
54 PAIR

OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

OVERHEAD TELEPHONE  
FRONTIER  
C-WIRE

BURIED TELEPHONE  
FRONTIER  
106 PAIR

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

OVERHEAD TELEPHONE  
FRONTIER  
25 PAIR

S87°53'37"E

50' EASEMENT

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MATCHLINE STA. 70+00

MATCHLINE STA. 98+00



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				SR 60	OSCEOLA	452574-1-22-01	3
				<b>EXISTING UTILITIES</b>			

50' EASEMENT

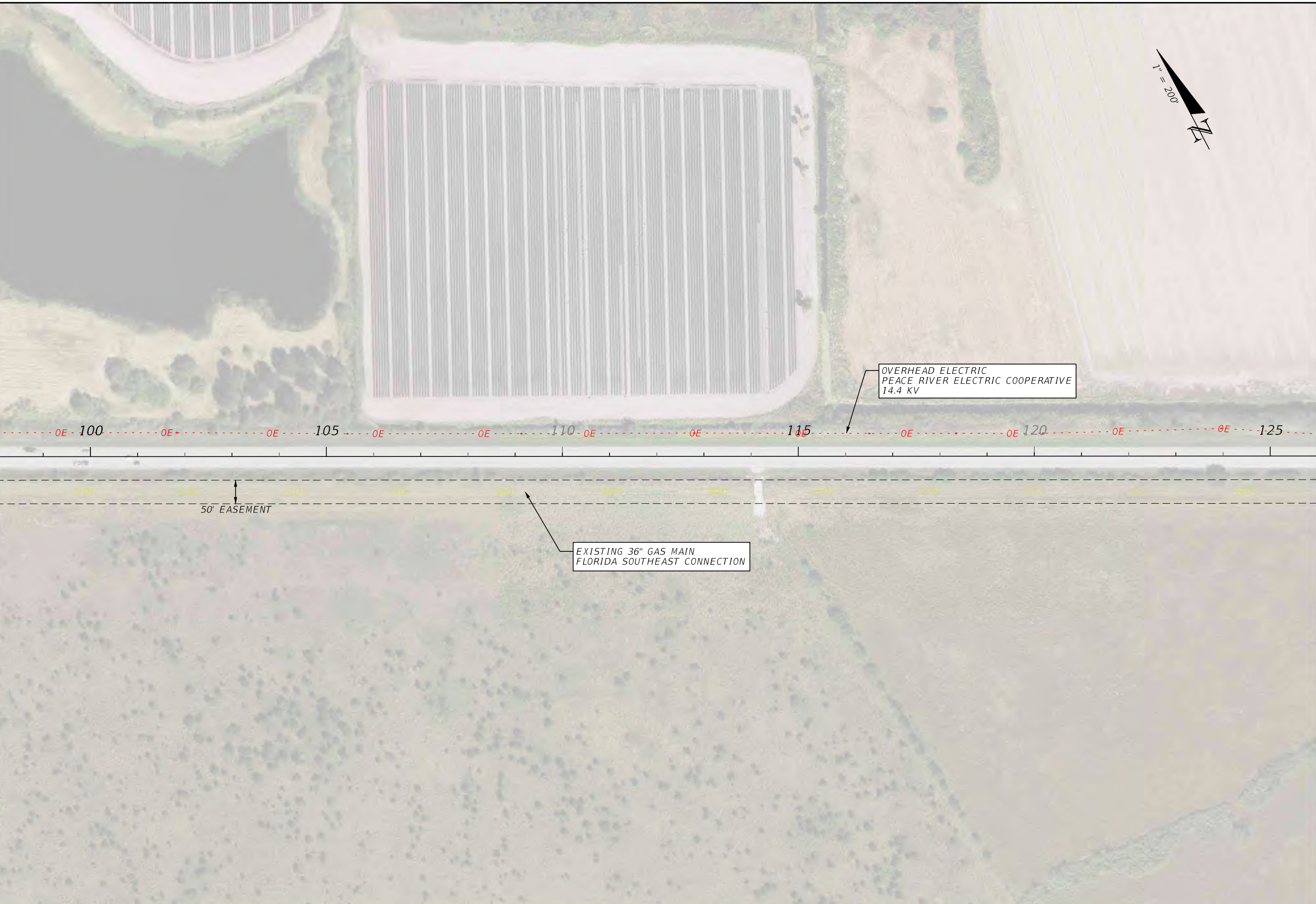
OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

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MATCHLINE STA. 98+00



MATCHLINE STA. 126+00

OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

50' EASEMENT

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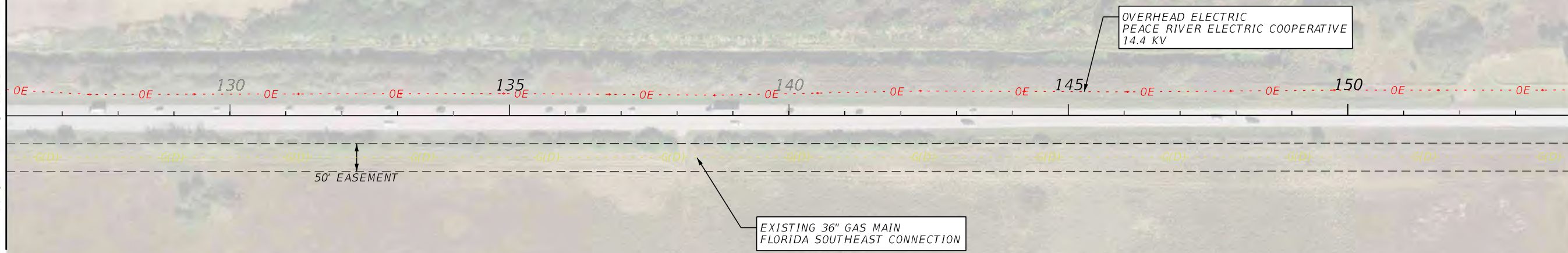
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MATCHLINE STA. 126+00

MATCHLINE STA. 154+00

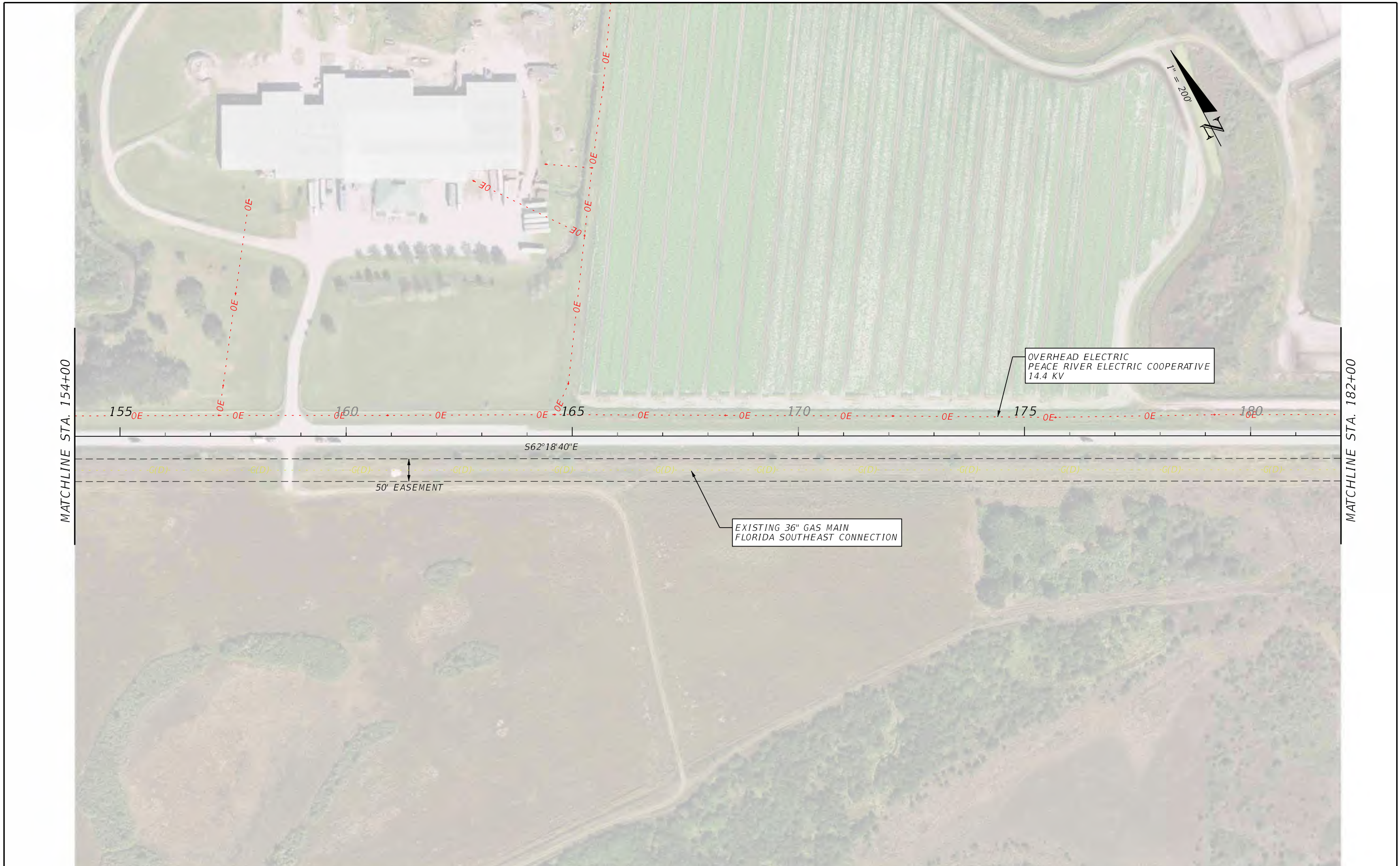


OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

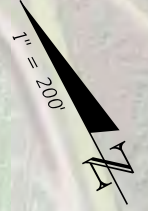
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<b>EXISTING UTILITIES</b>							

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MATCHLINE STA. 154+00

MATCHLINE STA. 182+00



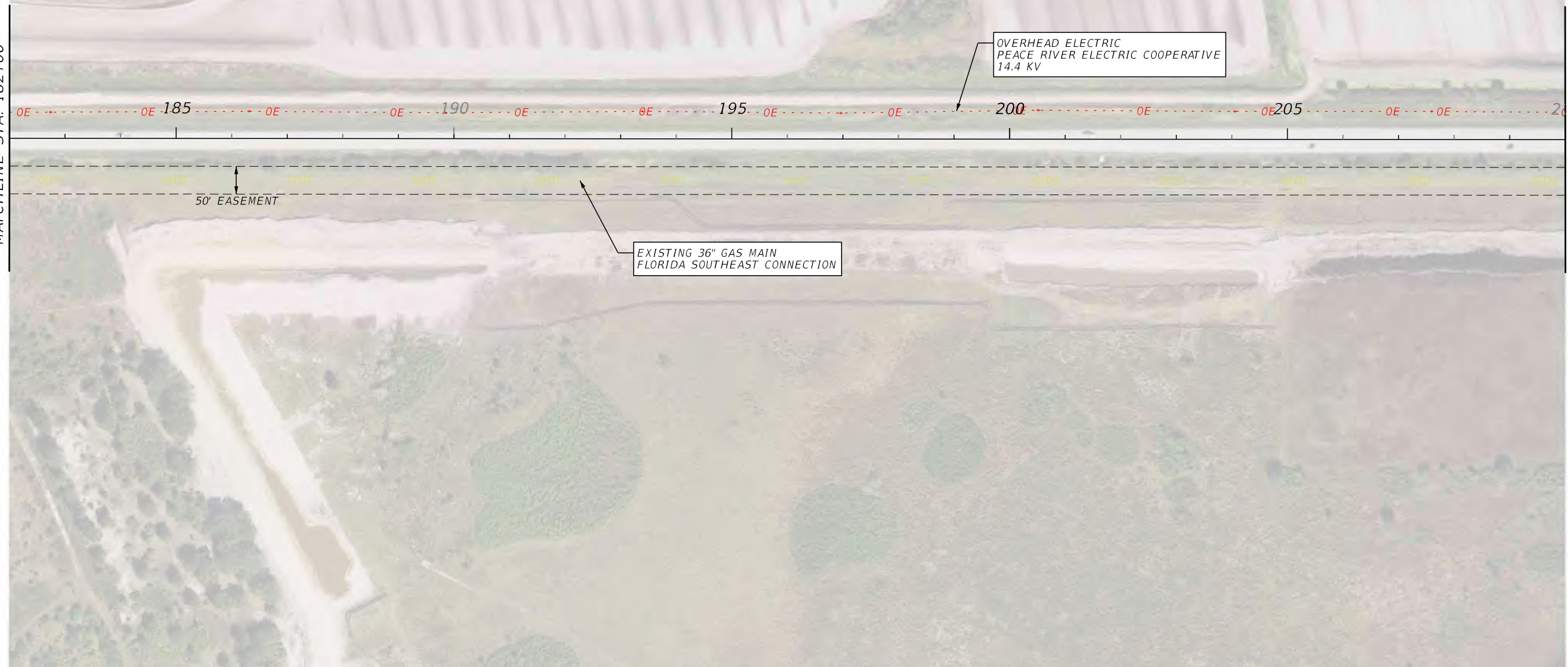
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MATCHLINE STA. 182+00

MATCHLINE STA. 210+00



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							SR 60	OSCEOLA	452574-1-22-01	7

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 210+00



MATCHLINE STA. 238+00

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 60	OSCEOLA	452574-1-22-01	<b>EXISTING UTILITIES</b>			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

50' EASEMENT

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	
<b>EXISTING UTILITIES</b>									9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





MATCHLINE STA. 266+00

MATCHLINE STA. 294+00



OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

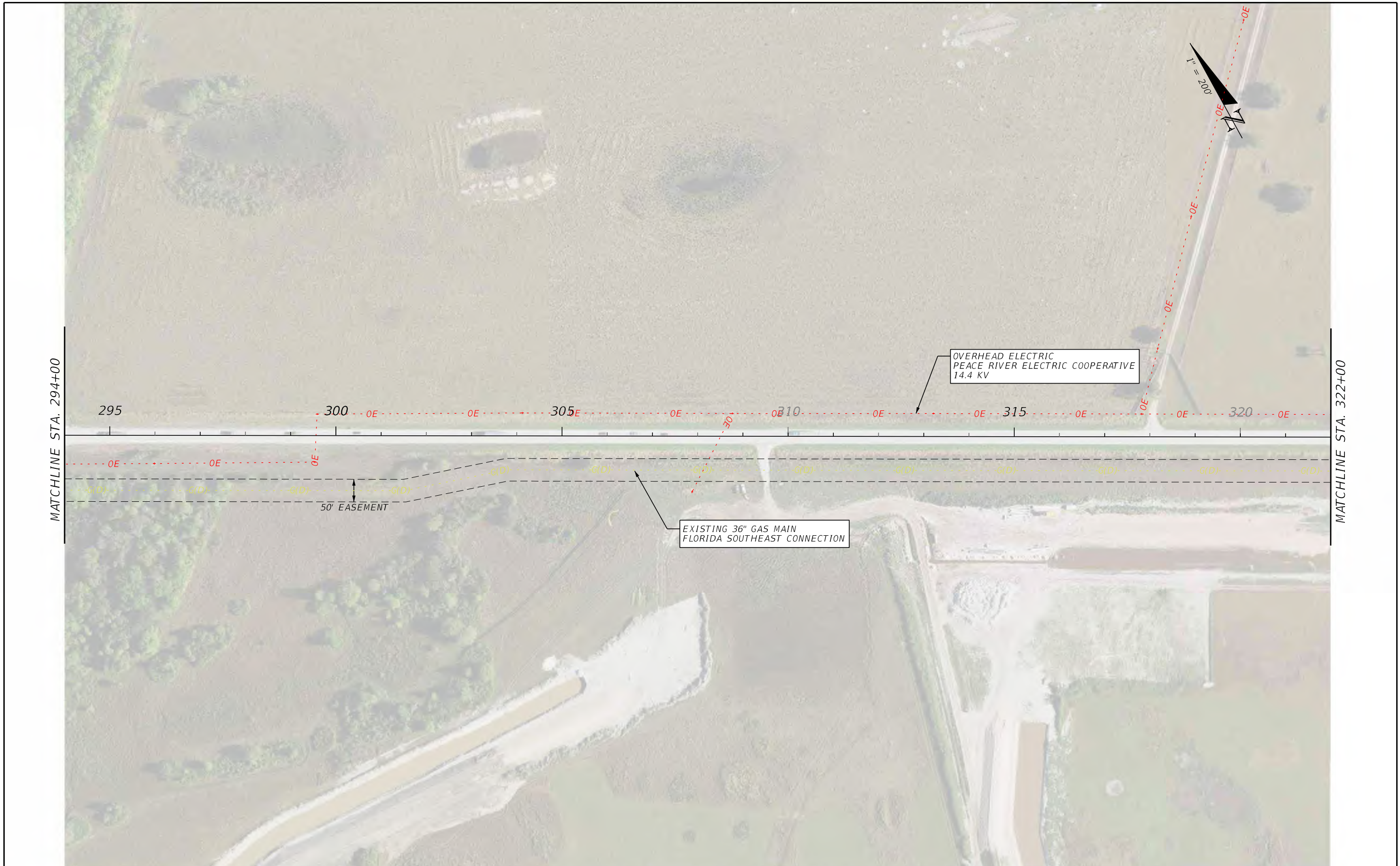
50' EASEMENT

S62°23'30"E

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	10

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 294+00

MATCHLINE STA. 322+00

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	11
<b>EXISTING UTILITIES</b>									

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 322+00



MATCHLINE STA. 350+00

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 350+00

MATCHLINE STA. 378+00



REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	13

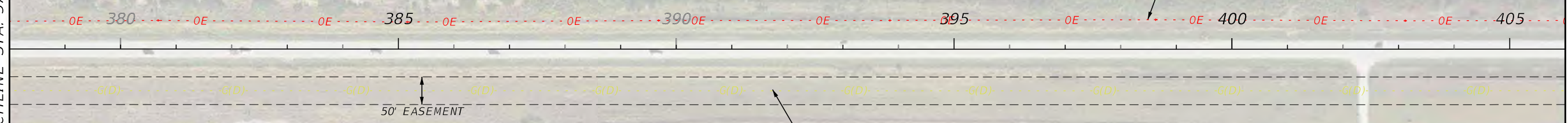
**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 378+00

MATCHLINE STA. 406+00



OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

50' EASEMENT

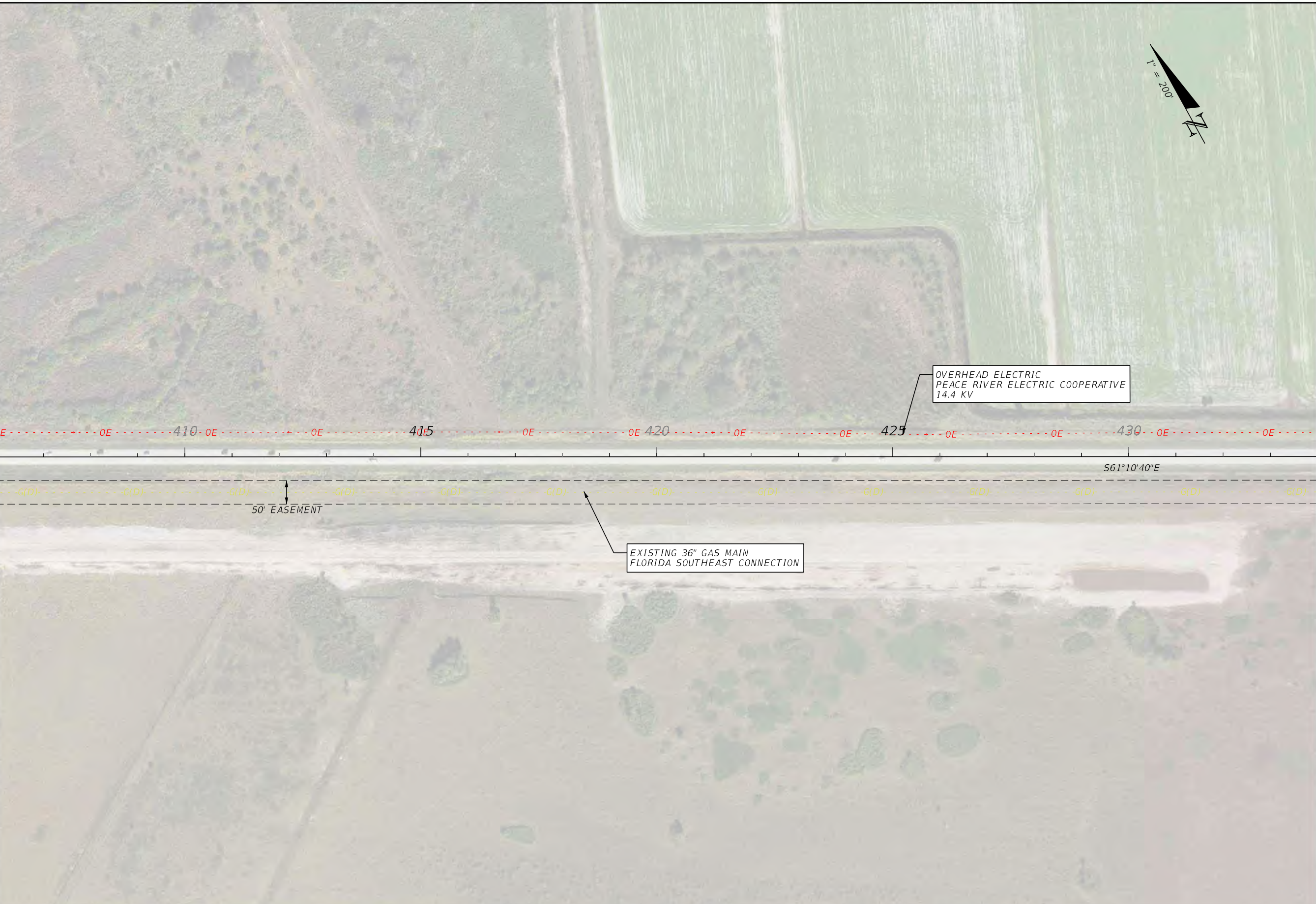
REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	14

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 406+00



MATCHLINE STA. 434+00

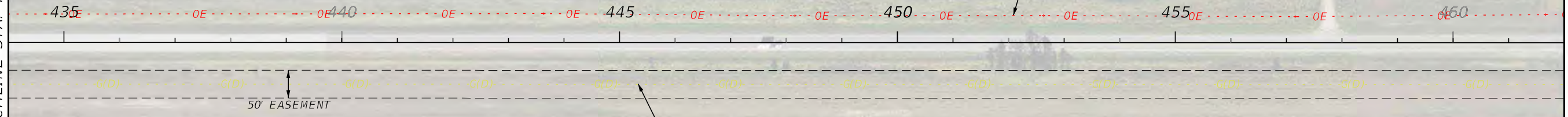
REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>EXISTING UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		15
							SR 60	OSCEOLA	452574-1-22-01		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 434+00

MATCHLINE STA. 462+00

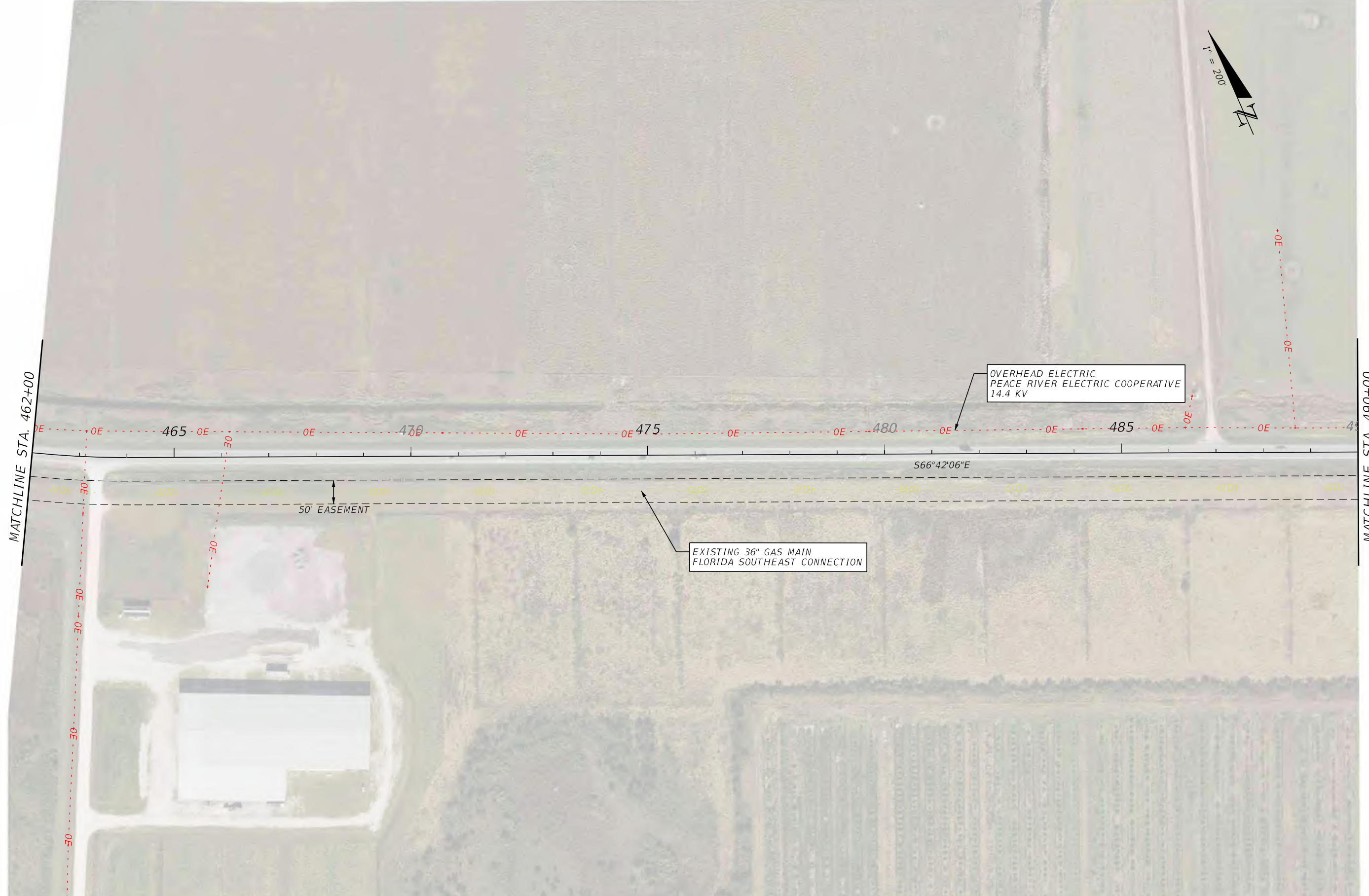


OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	
						SR 60	OSCEOLA	452574-1-22-01	<b>EXISTING UTILITIES</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 462+00

MATCHLINE STA. 490+00

OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

50' EASEMENT

S66°42'06"E

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	

**EXISTING UTILITIES**

17

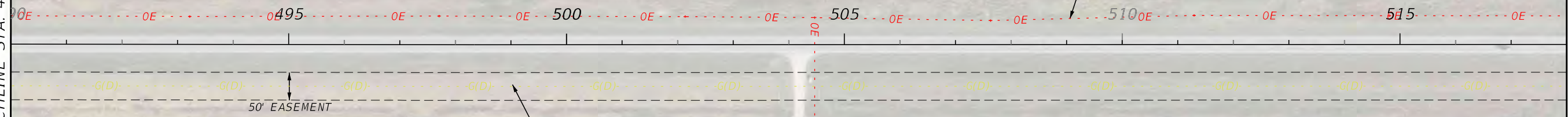
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





MATCHLINE STA. 490+00

MATCHLINE STA. 518+00



OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

50' EASEMENT

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	18

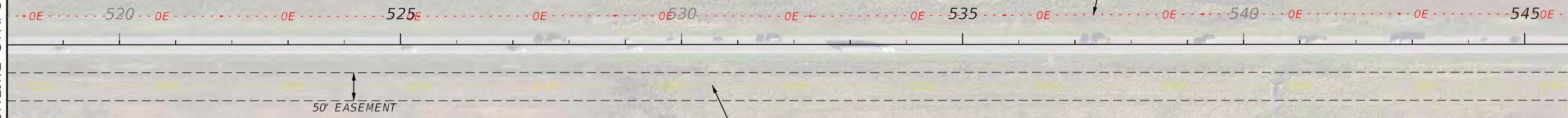
**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 518+00

MATCHLINE STA. 546+00



OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	SR 60	OSCEOLA	452574-1-22-01	19

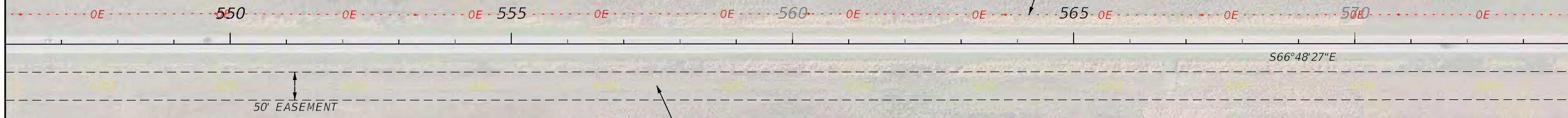
**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 546+00

MATCHLINE STA. 574+00



OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

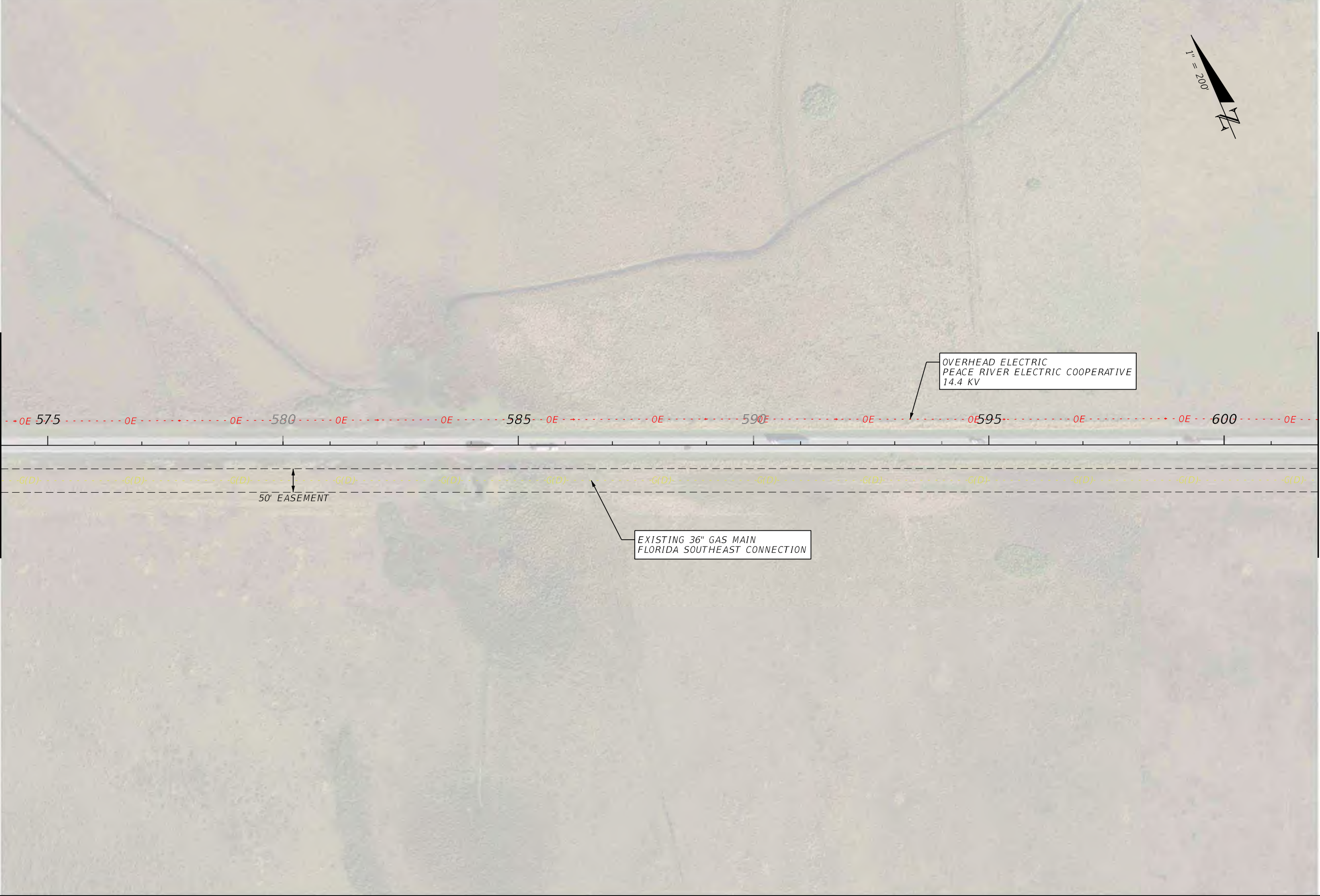
EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	SR 60	OSCEOLA	452574-1-22-01	20
<b>EXISTING UTILITIES</b>							

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 574+00



MATCHLINE STA. 602+00

OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

50' EASEMENT

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	SR 60	OSCEOLA	452574-1-22-01	21
<b>EXISTING UTILITIES</b>							

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



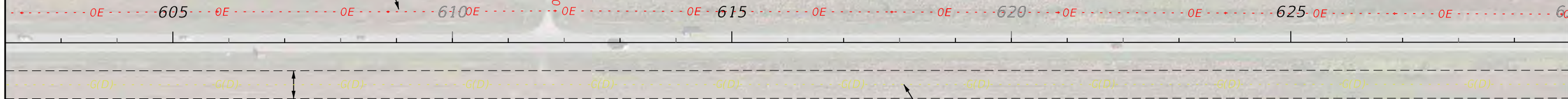
MATCHLINE STA. 602+00

MATCHLINE STA. 630+00

OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

50' EASEMENT



REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	22

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



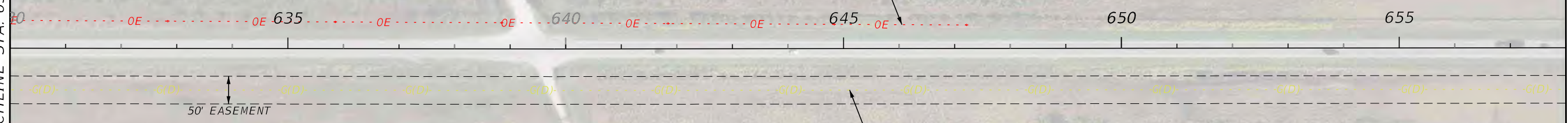
PENALINE RD.

OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

MATCHLINE STA. 630+00

MATCHLINE STA. 658+00



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	23

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 658+00

MATCHLINE STA. 686+00

660                      665                      670                      675                      680                      685

S66°56'33"E

50' EASEMENT

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	24

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 60	OSCEOLA	452574-1-22-01	25

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





MATCHLINE STA. 714+00



MATCHLINE STA. 742+00

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	
<b>EXISTING UTILITIES</b>										



MATCHLINE STA. 742+00

MATCHLINE STA. 770+00



EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

50' EASEMENT

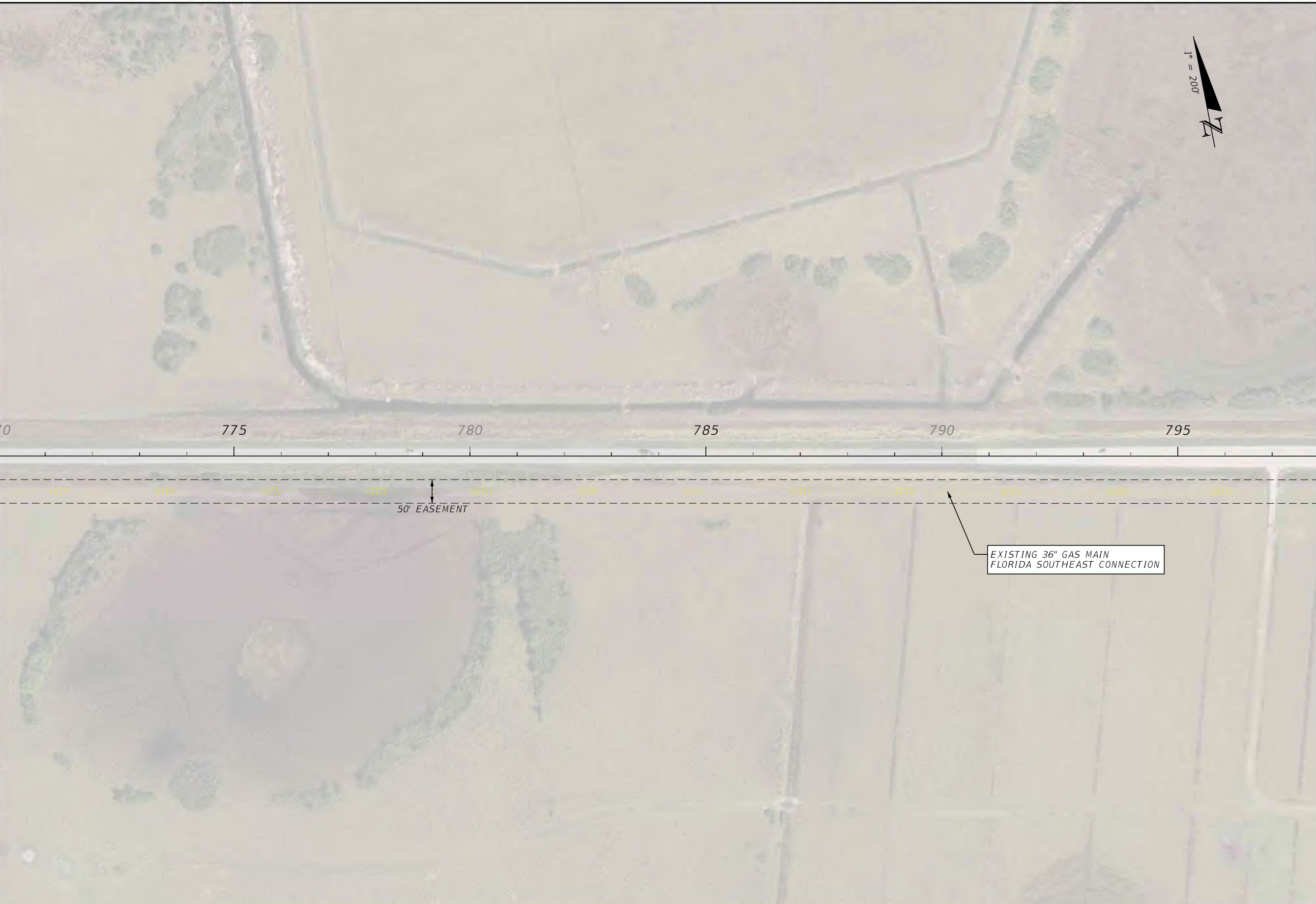
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	27

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 770+00



MATCHLINE STA. 798+00

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	SR 60	OSCEOLA	452574-1-22-01	28
<b>EXISTING UTILITIES</b>							



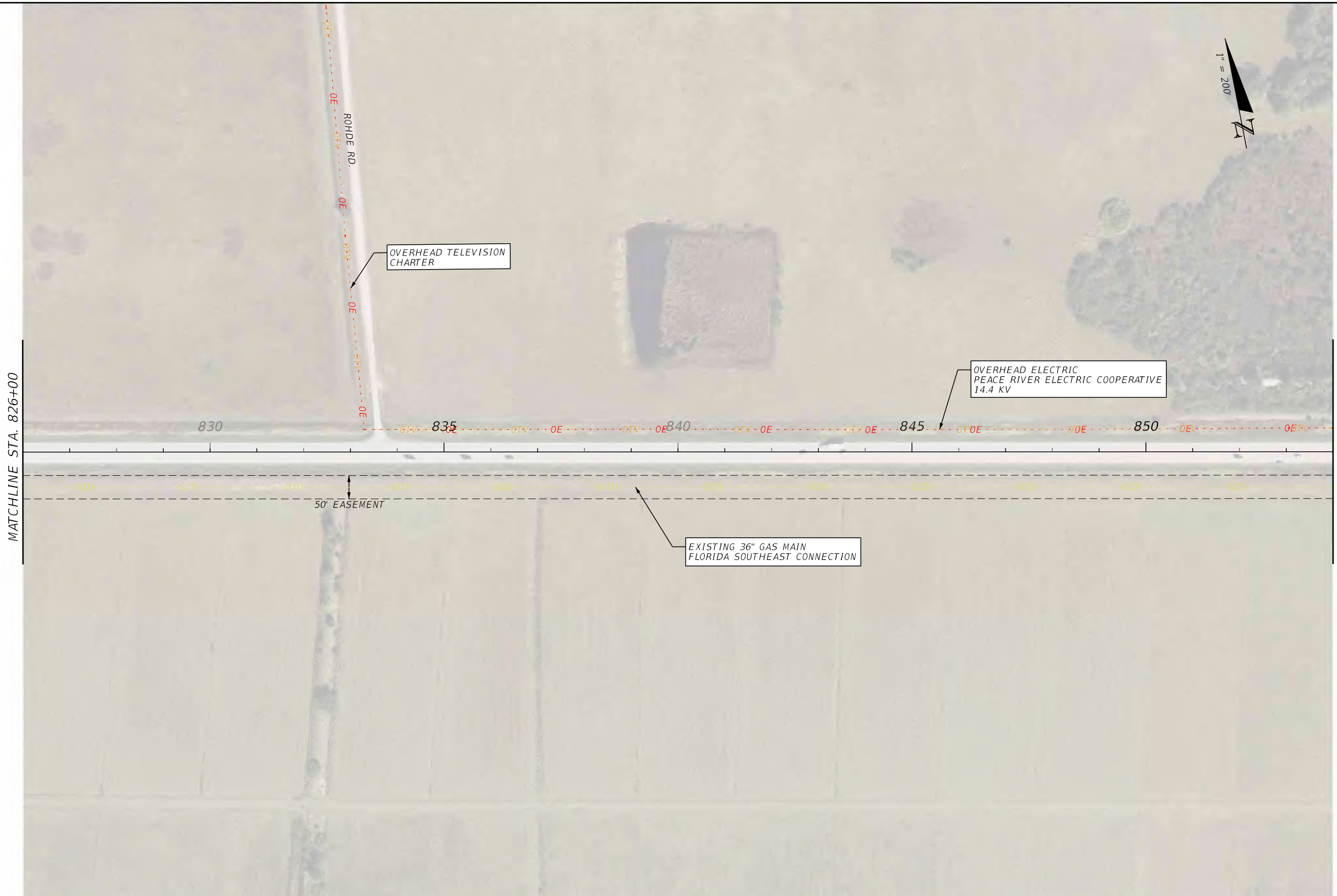
MATCHLINE STA. 798+00

MATCHLINE STA. 826+00



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>EXISTING UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY		FINANCIAL PROJECT ID
				DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			SR 60	OSCEOLA		452574-1-22-01

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	30

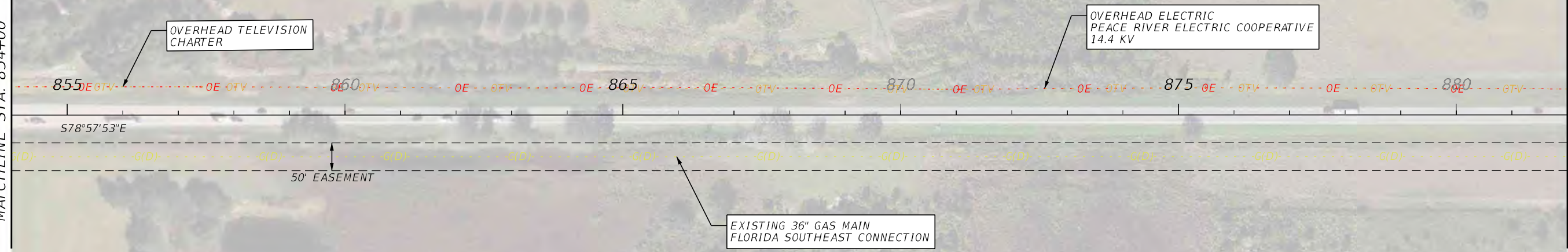
**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 854+00

MATCHLINE STA. 882+00



OVERHEAD TELEVISION  
CHARTER

OVERHEAD ELECTRIC  
PEACE RIVER ELECTRIC COOPERATIVE  
14.4 KV

EXISTING 36" GAS MAIN  
FLORIDA SOUTHEAST CONNECTION

S78°57'53"E

50' EASEMENT

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	31
<b>EXISTING UTILITIES</b>									

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



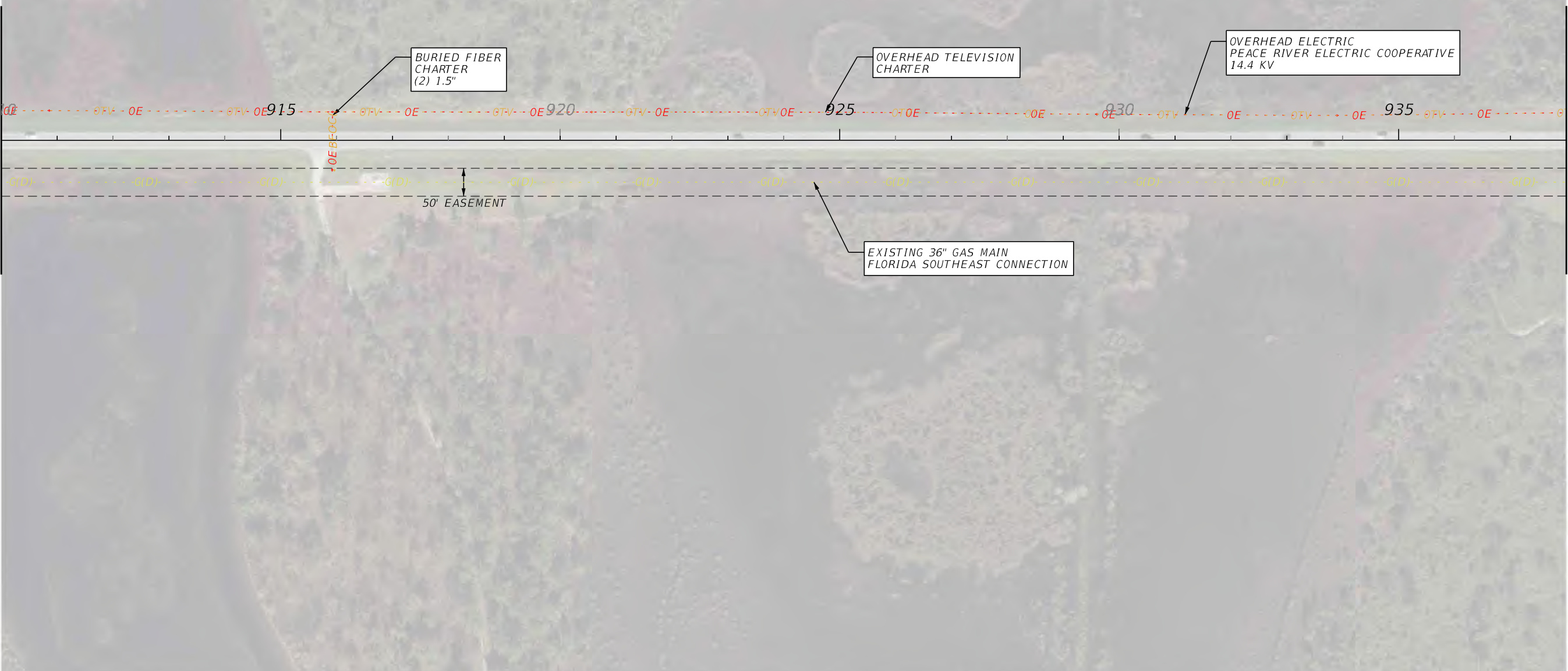
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	32

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 910+00



MATCHLINE STA. 938+00

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	33

**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





MATCHLINE STA. 938+00

MATCHLINE STA. 966+00



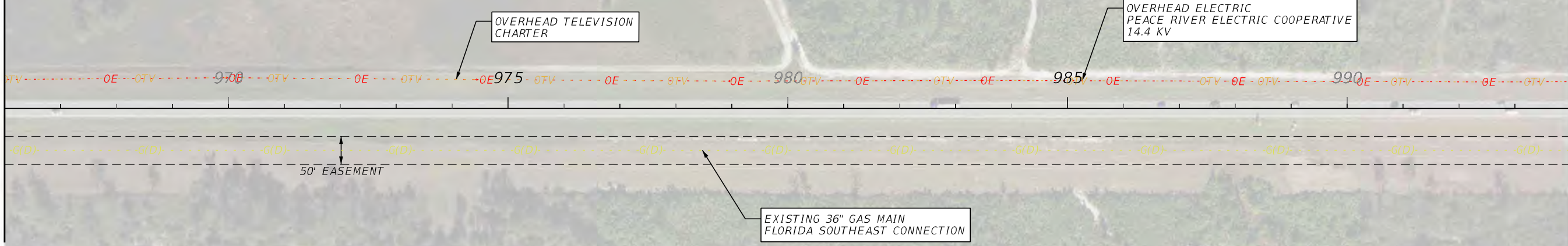
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>EXISTING UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		34
						SR 60	OSCEOLA	452574-1-22-01		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 966+00

MATCHLINE STA. 994+00



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  35
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	

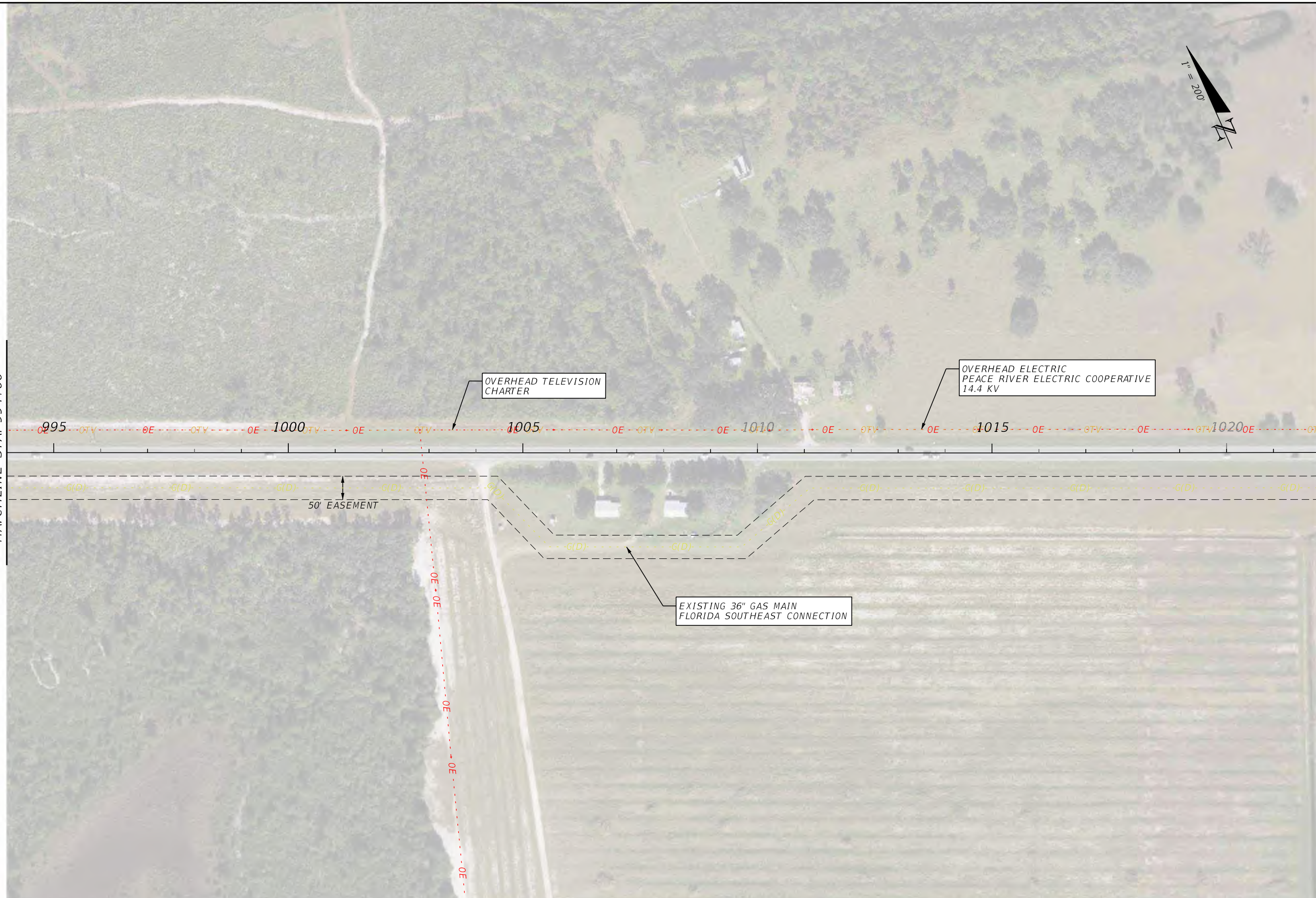
**EXISTING UTILITIES**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCHLINE STA. 994+00

MATCHLINE STA. 1022+00



REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	36

**EXISTING UTILITIES**

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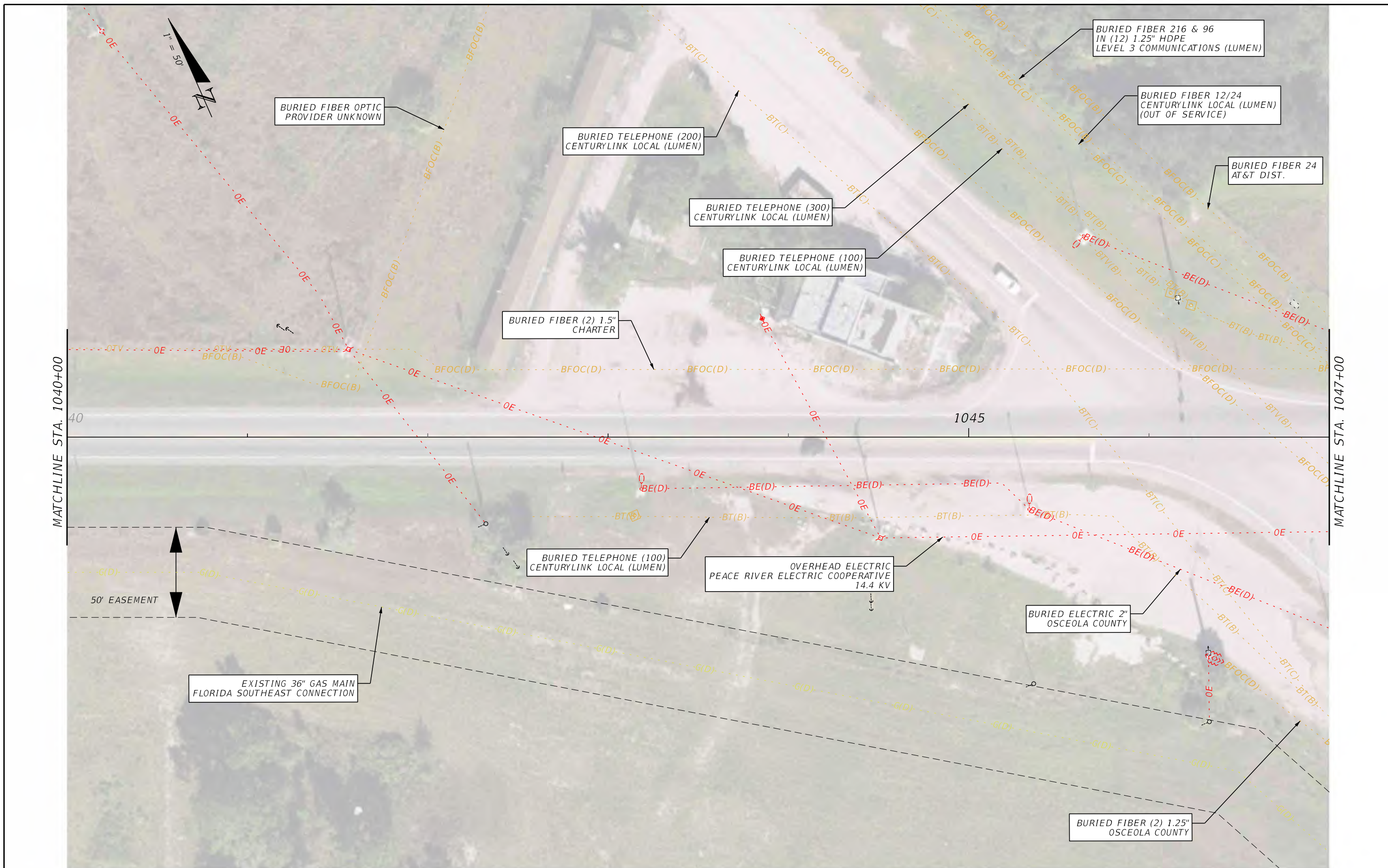


MATCHLINE STA. 1022+00

MATCHLINE STA. 1040+00

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	SR 60	OSCEOLA	452574-1-22-01	37
<b>EXISTING UTILITIES</b>							

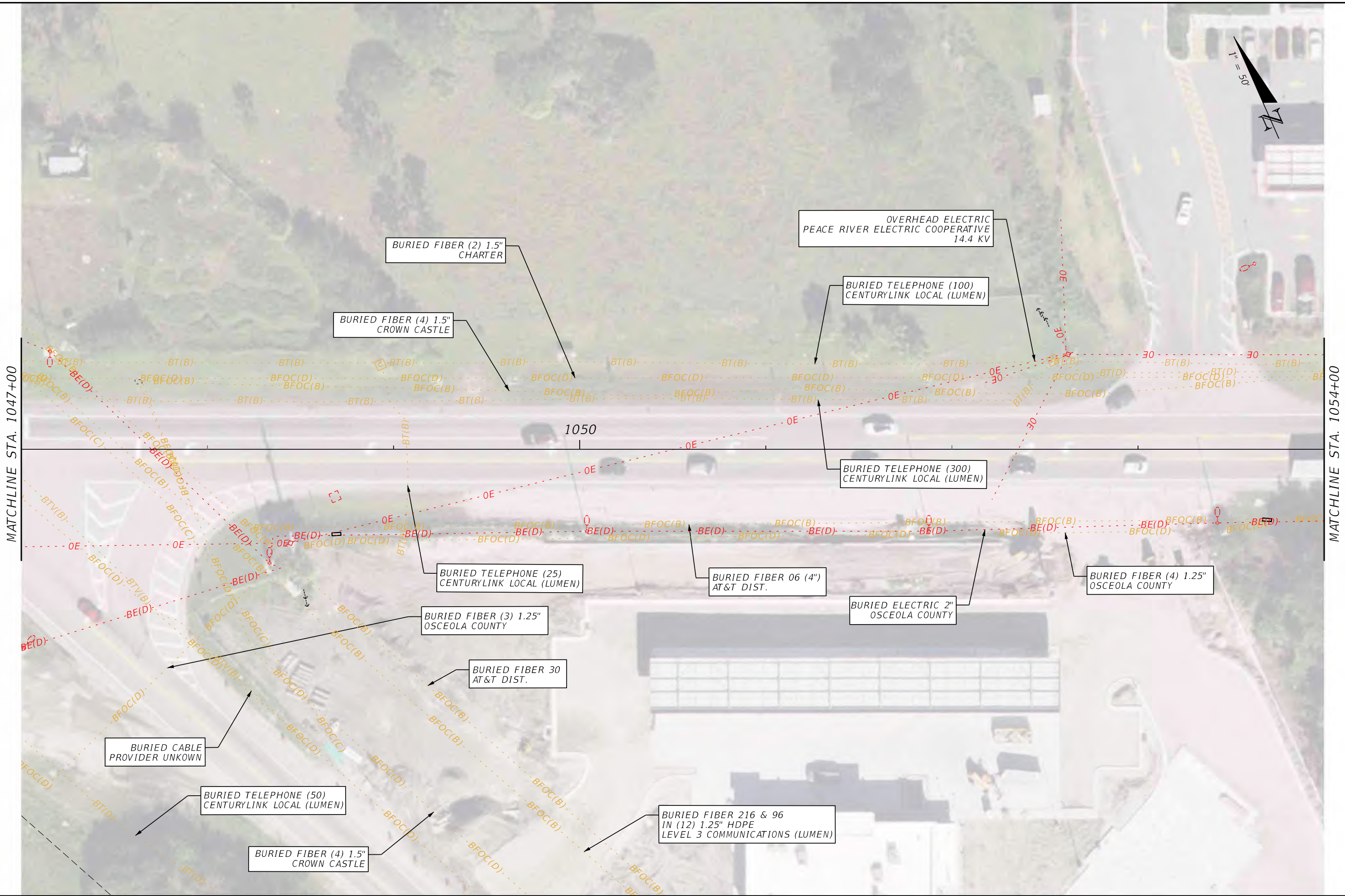
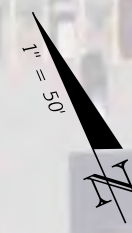
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	38

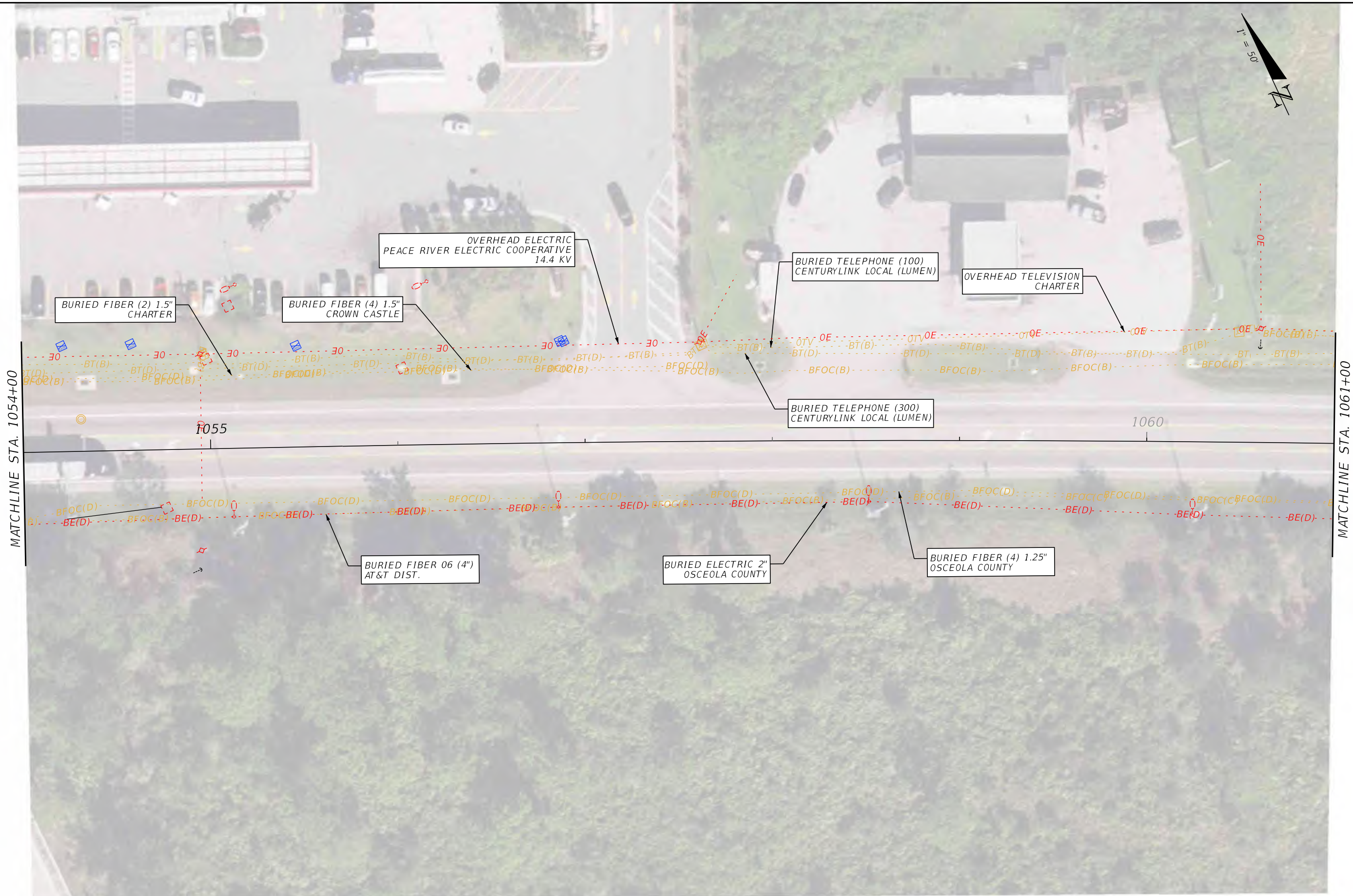
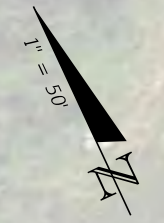
**EXISTING UTILITIES**

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502	SR 60	OSCEOLA	452574-1-22-01	39
<b>EXISTING UTILITIES</b>								

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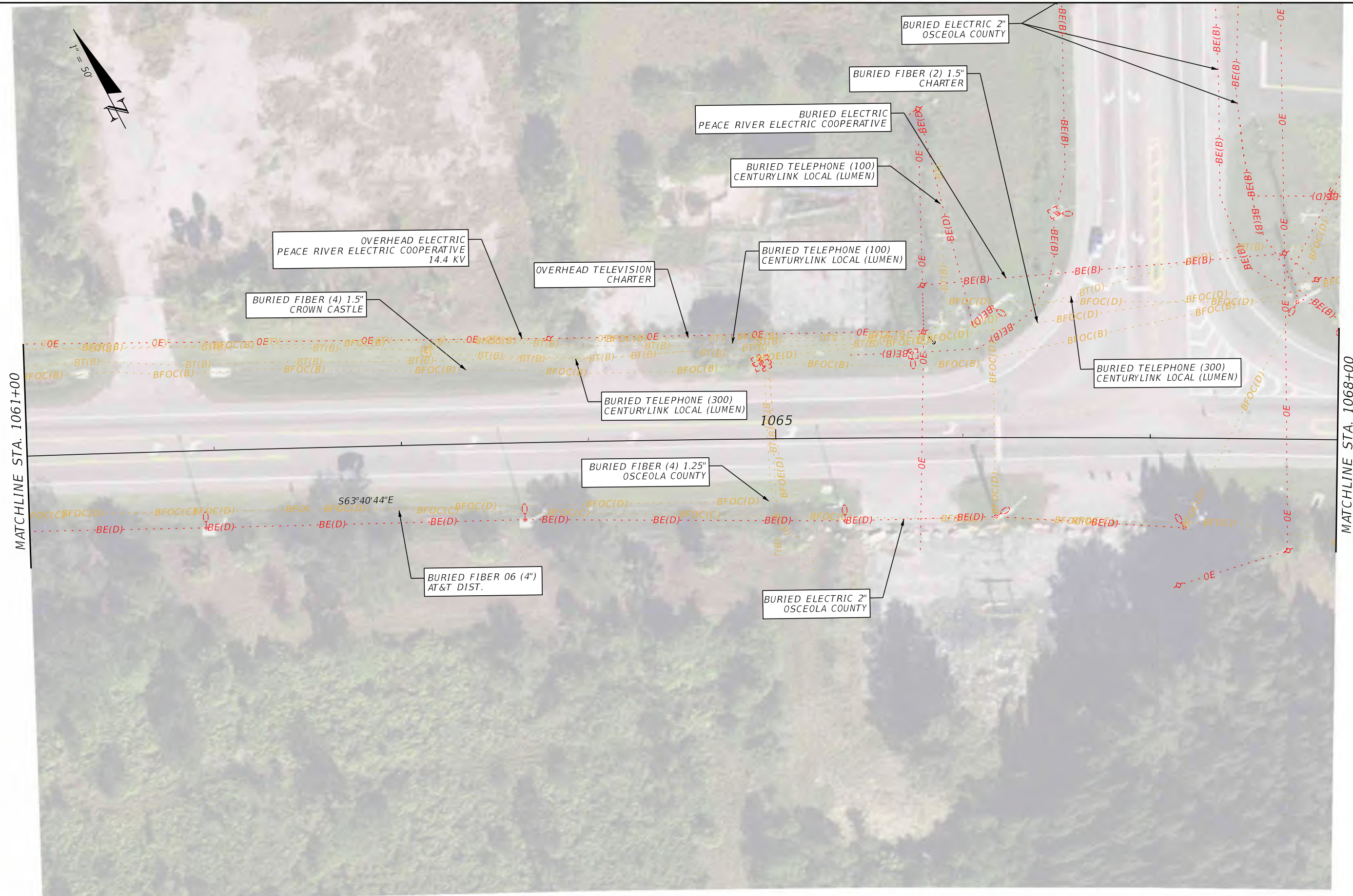
MATCHLINE STA. 1054+00

MATCHLINE STA. 1061+00

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	OSCEOLA	452574-1-22-01	40

**EXISTING UTILITIES**

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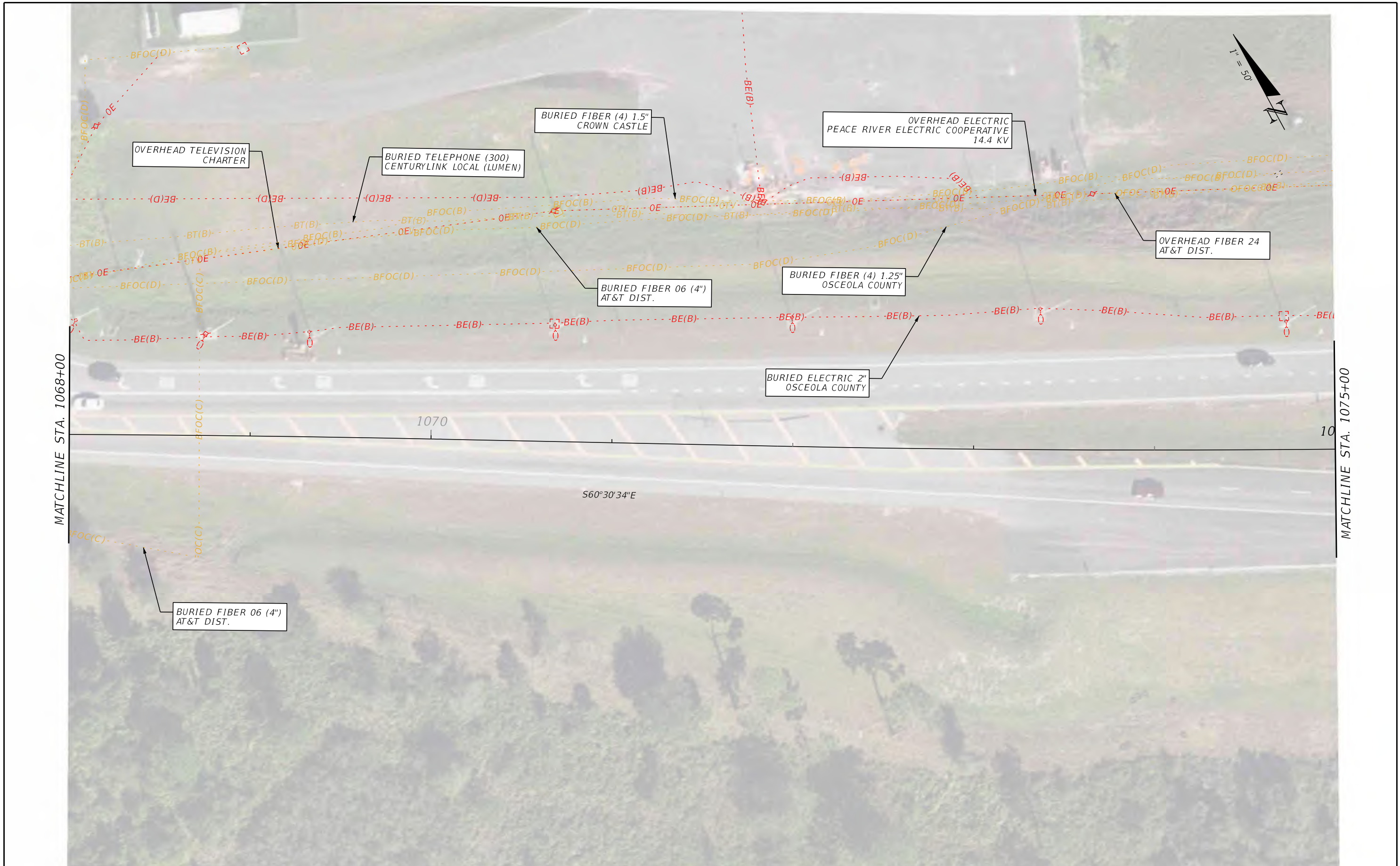
MATCHLINE STA. 1061+00

MATCHLINE STA. 1068+00

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
								SR 60	
<b>EXISTING UTILITIES</b>									41

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MATCHLINE STA. 1068+00

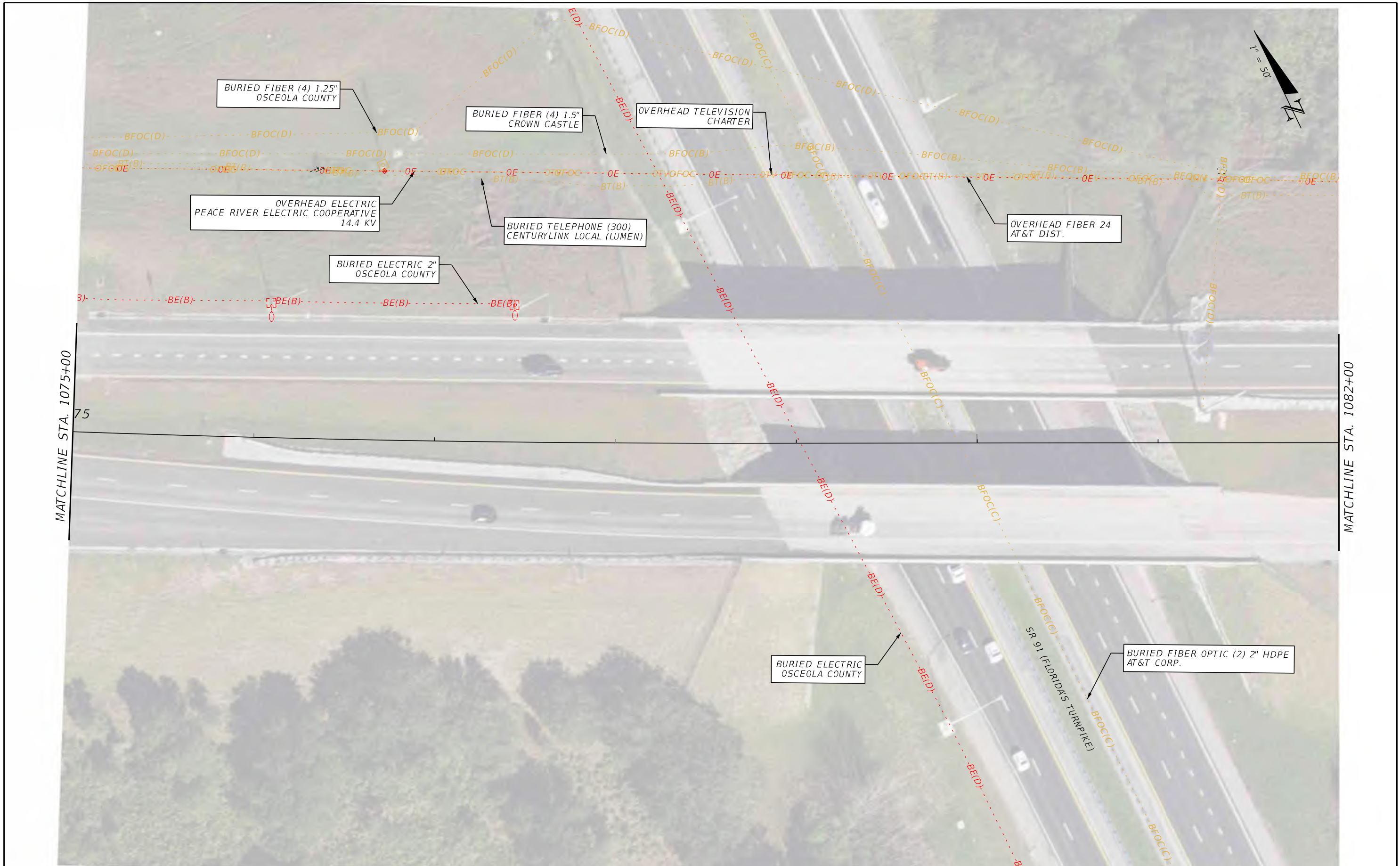
MATCHLINE STA. 1075+00

1070

S60°30'34"E

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DANIEL P. SHULL, P.E. LICENSE NUMBER: 86494 MOTT MACDONALD FLORIDA, LLC. 220 WEST GARDEN STREET, SUITE 700 PENSACOLA, FLORIDA 32502			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	OSCEOLA	452574-1-22-01	42
<b>EXISTING UTILITIES</b>										

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
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							SR 60	OSCEOLA	452574-1-22-01	43

**EXISTING UTILITIES**

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**APPENDIX B – Correspondence and Markups Provided  
by Utility Owner**

# **Florida Southeast Connection**

**MEETING MINUTES**  
**SR 60 PD&E - Widening from Prairie Lakes Road to SR 91 (Florida's Turnpike) in Osceola County –**  
**FPID 452574-1**  
**August 5<sup>th</sup> – 11:00 AM EST**

**UTILITY COORDINATION MEETING WITH FLORIDA SOUTHEAST CONNECTION (FSC)**

**Introductions**

- PD&E Team
  - Volkert (Prime)
    - Miranda Glass
    - Scott Golden
    - Billy Woodbery
  - Mott MacDonald (Sub)
    - Daniel Shull
    - Rick Branton
- Florida Southeast Connection
  - Loren Brown – Operations
  - Sukanta Bhattacharjee – Engineering
  - Not in Attendance, but should be included in future meetings, discussions and/or correspondence
    - Travis Emerson – Operations Tech
    - Jarod Edwards – Operations Tech

**Recap of Project Overview**

- Project limits – Daniel summarized the project limits
  - Begin Project - East of Bridge over Kissimmee River/Lake Kissimmee (Prairie Lakes Road)
    - Already completed PD&E ends at this location (FPID 433856-1)
      - Loren asked that contact information for this section be provided when it is moved to design.
  - End Project – Overpass over SR 91 (Florida's Turnpike)
    - Meets existing four-lane section
- Existing Conditions
  - Roadway – Daniel described the existing roadway conditions
    - SR 60 is predominantly an undivided, two-lane rural roadway for much of the project limits
    - Existing R/W is typically 100-ft wide
  - Existing FSC Gas Main – Daniel described the assumed existing conditions of the gas main with feedback from Loren and Sukanta.
    - Gas main is 36" steel moving 1200 psig +/- and is present from the begin project to US 441.
    - 36" GM crosses under Lake Kissimmee on the north side of SR 60
    - 36" GM cross under SR 60 from the north side to south side about 500-ft west of Prairie Lake Road
      - Loren and Sukanta pointed out that there is an above ground valve assembly north of SR 60 where the gas main crosses under SR 60. Access to this valve is from the existing unpaved access road to the east that connects to Prairie Lake Road.

- 36" GM is within a 50' dedicated easement just outside of the FDOT's R/W on the south side until it turns south at US 441 and continues outside the west side of US 441.
  - Loren confirmed that the gas main is within a dedicated easement.
- 36" GM moves out slightly in a few locations:
  - Near the bridge over Blanket Bay Slough (Sta. 277+00 to 304+00)
  - From 1 mile east of Peavine Road to Rohde Road (Sta. 693+00 to 768+00)
  - Around two existing houses (2648 & 2650 SR 60) (Sta. 1004+00 to 1011+00)
  - Near intersection with US 441 (Sta. 1040+60 to 1046+00)
- Existing 36" GM and easement drawn in plan sheets based on Existing Plans and Aerial imagery of disturbed area where main was installed.
  - Loren and Sukanta stated that there is an updated version of the as-built plans that they would send after the call. This version shows a proposed profile of the gas main.
- Proposed Conditions – Daniel described the proposed typical sections and alignment alternatives
  - Proposed Typical Section
    - From Begin Project to Sta. 87+00
      - Divided, four-lane rural roadway with flush shoulders and roadside ditches.
      - Offsite pond needed for stormwater treatment and attenuation
        - Preferred site on the north side of SR 60, west of Prairie Lake Road
          - Loren stated that access to the valve assembly west of the pond would need to be maintained.
          - Sukanta asked if the floodplain would be impacted in this area. Daniel stated that the floodplain would not be impacted as this area is above the base flood elevation of the FEMA map.
    - From Sta. 87+00 to 1030+00
      - Divided, four-lane rural roadway with flush shoulders and linear retention ponds
      - Linear retention ponds assumed to be 15-ft wide at the bottom and be on both sides of the roadway
      - Roadway grade to be raised to provide 3-ft vertical separation between linear pond bottom and seasonal high-water level (SHWL)
        - Loren stated that FP&L owns much of the land to the south of SR 60 and that he would forward on their contact information in case further coordination is needed with them. He stated that he believes some of the property is used for filtration ponds and some of the property may be used for solar in the future.
    - From Sta. 1030+00 to End Project
      - Divided, four-lane urban roadway with concrete curb and gutter and sidewalks on both sides.
      - Offsite ponds needed for stormwater treatment and attenuation
        - Preferred sites are on the north side of SR 60 – one just west of US 441 and another west of Turnpike on/off ramp.
  - North Shift
    - Widens SR 60 to the north, minimizing impacts to the 36" GM
    - Potential Impacts:
      - Existing GM crossing under SR 60 near beginning of project (Sta. 42+00)
        - Roadway widening and potential storm drain pipe installation over this crossing.

- Loren stated that storm drain pipes crossing over/under a gas main must have 2' of clearance for open trench applications and 10' of clearance for boring applications. FSC prefers that storm drain pipe be installed below the gas main to allow the gas main to be easily accessible for future maintenance or other issues.
      - Loren and Sukanta asked if the proposed storm drain pipe would be gravity or pressure. Daniel stated that it would mostly likely be gravity. Daniel stated that these details and the size of the pipe would not be determined until the project went to construction.
      - Loren and Sukanta asked that this be coordinated once design begins.
- Proposed R/W needed on south side of SR 60 where typical transitions from wider rural roadway to narrower urban roadway and beyond to US 441 (Sta. 1009+00 to 1042+00)
  - Potential grading over existing GM for linear retention area in rural roadway and tie down grading in urban roadway.
  - Proposed storm drain pipe not anticipated in these areas.
  - If only minor grade changes, could existing GM stay in place within FDOT R/W?
    - Daniel stated that the proposed right-of-way shown in the transition area from rural to urban will likely be reduced to minimize any impacts to the gas main. The only impacts within the FSC easement in this area would likely just be additional fill to grade back down to existing. Loren stated that FSC is generally okay with additional fill on top of their facility, but that this impact would need to be coordinated further with their right-of-way/land development representative. Miranda agreed that coordination between FDOT R/W and FSC would be required to determine impacts.
    - Daniel stated that within the urban section closer to US 441, there would also be slight grading to tie down within the FSC easement. Loren asked how much fill would be added. Daniel and Miranda stated that the profile comes back down closer to existing grade in this location to narrow the proposed R/W so it is anticipated to be less than a couple feet.
- South Shift
  - Widens SR 60 to the south, increasing impacts to the 36" GM
  - Potential Impacts:
    - Existing GM within roadway widening from Sta. 42+00 to 1030+00.
      - GM would need to be relocated outside FDOT's R/W within a new easement.
        - Daniel stated that the gas main would generally be within the median of the proposed roadway for the south shift. Loren agreed that the facility would need to be relocated outside of the FDOT's R/W.
    - Existing GM crossing under SR 60 near beginning of project (Sta. 42+00)

- Roadway widening and potential storm drain pipe installation over this crossing.
      - See comments above from north shift alternative.
  - Proposed R/W needed on south side of SR 60 where typical transitions from wider rural roadway to narrower urban roadway and beyond to US 441 (Sta. 1030+00 to 1042+00)
    - Tie down grading anticipated within urban roadway with no storm drain pipe anticipated.
    - If only minor grade changes, could existing GM stay in place within FDOT R/W?
      - See comments above from north shift alternative. There would be slightly more impacts in this area from the south shift alternative.
- Special Considerations
  - Design requirements
    - Storm drain crossings over/under Gas Main
      - Loren and Sukanta stated that 2' of clearance must be provided over/under gas main for open trench applications and 10' of clearance for boring applications. FSC prefers that storm drain pipe be installed below the gas main to allow the gas main to be easily accessible for future maintenance or other issues. No casings are required.
    - Others?
      - If laydown yards are to be utilized in areas that require equipment to cross over the gas main, air bridges with timber matting should be used to avoid direct pressure on top of the gas main.
      - SUE – When design progresses and SUE data is needed on the existing gas main that crosses under SR 60, the design team should either reach out to Loren or fill out an 811 ticket. FSC requires that a technician or other representative from FSC be onsite during the explorations.
  - Schedule reviews by FSC and coordination meetings with FSC
    - Loren stated that that the standard FDOT reviews at each phase will provide them sufficient review time. It was agreed that further coordination meetings will be needed as design begins.
  - Estimated costs of impacts
    - North Shift
      - It appears that relocation can be avoided for the north shift alternative.
    - South Shift
      - The gas main located south of SR 60 would need to be relocated. Based on previous correspondence, it is estimated that this would cost approximately \$100 million. This assumes a cost of approximately \$5 to \$6 million per mile, relocation of valve sets, and no interruption in service as this line feeds 3 different power plants.

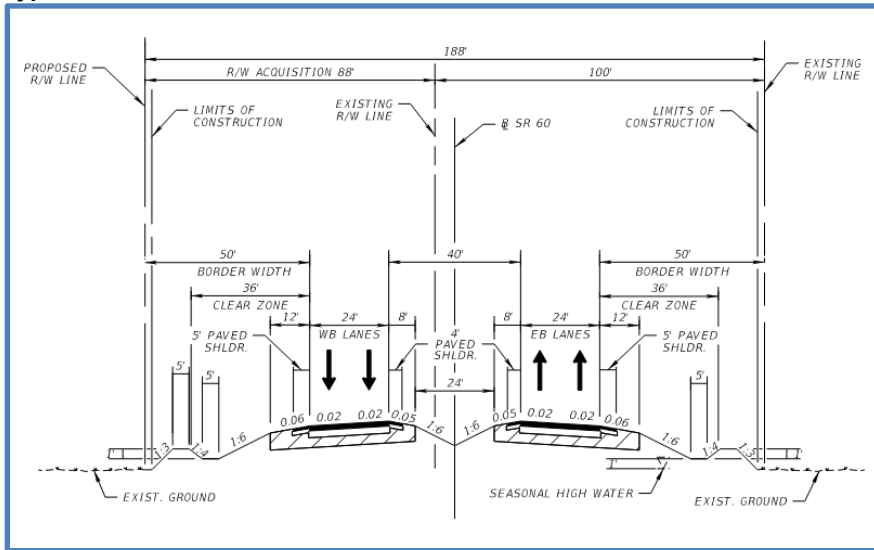
## Open Discussion



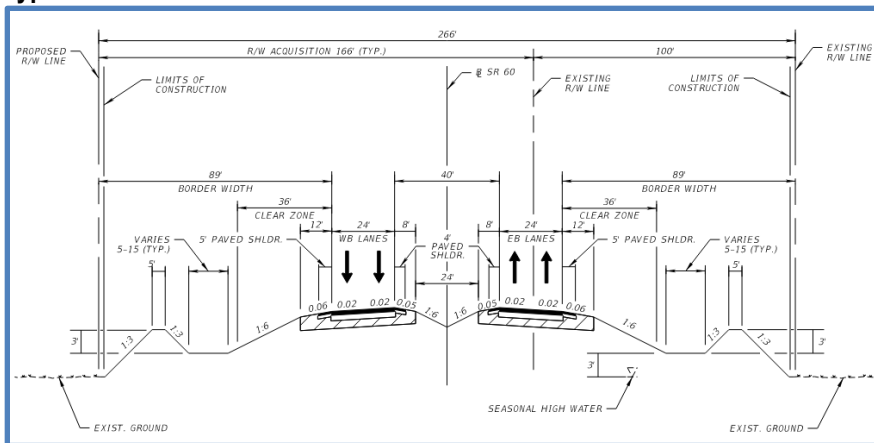
## Action Items

1. Daniel to complete meeting minutes and send to the group for review - **Complete**
2. Loren to send contact information for FP&L - **Complete**
3. Loren to send updated plans for the gas main that shows the proposed profile - **Complete**

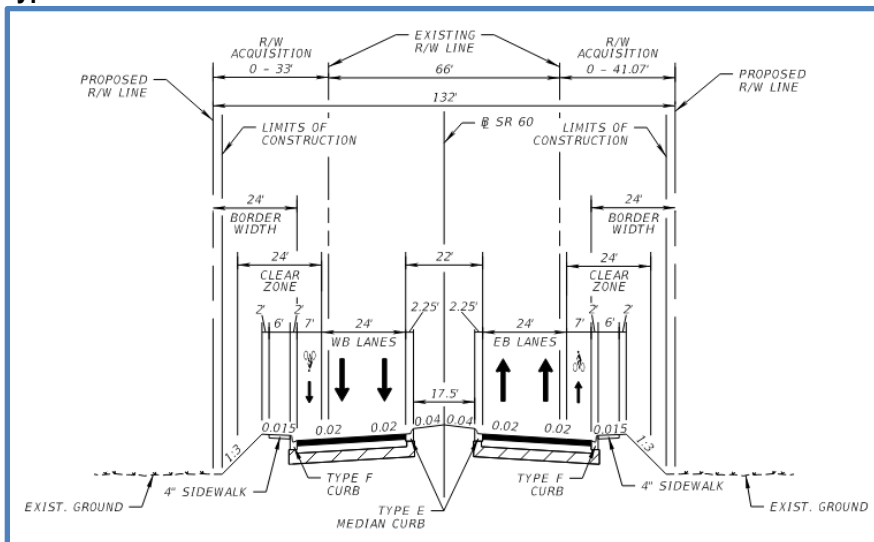
### Typical Section 1



### Typical Section 2



### Typical Section 3



## Daniel Shull

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**From:** Daniel Shull  
**Sent:** Thursday, August 7, 2025 10:05 AM  
**To:** Brown, Loren; Bhattacharjee, Sukanta; Miranda Glass; Billy Woodbery; Scott Golden; Ricky Branton  
**Cc:** Emerson, Travis; Edwards, Jarod; Jonathan Jones  
**Subject:** RE: SR 60 - Utility Coordination Meeting Minutes with FSC  
**Attachments:** Meeting\_MInutes\_Call\_with\_FSC\_2025\_08\_05.pdf

Thanks, Loren!

Attached are the revised minutes that we will include in our updated report. I'll also include the correspondence from Jonathan with the Encroachment Review Requirements and restrictions within the FSC easement.

Please let me know if you have any questions.

Thanks!

### Daniel Shull, PE

Project Engineer Transportation

D +18506029768

daniel.shull@mottmac.com

---

**From:** Brown, Loren <Loren.Brown@nexteraenergy.com>  
**Sent:** Thursday, August 7, 2025 8:10 AM  
**To:** Daniel Shull <Daniel.Shull@mottmac.com>; Bhattacharjee, Sukanta <Sukanta.Bhattacharjee@nexteraenergy.com>; Miranda Glass <miranda.glass@volkert.com>; Billy Woodbery <billy.woodbery@volkert.com>; Scott Golden <scott.golden@volkert.com>; Ricky Branton <Ricky.Branton@mottmac.com>  
**Cc:** Emerson, Travis <Travis.Emerson@nexteraenergy.com>; Edwards, Jarod <Jarod.Edwards@nexteraenergy.com>; Jonathan Jones <jjones@easresources.com>  
**Subject:** RE: SR 60 - Utility Coordination Meeting Minutes with FSC

Daniel, I added a couple of comments (in blue) for clarification and to include FSC personnel cc'd here.

Thank you,

Loren Brown  
Field Operations Manager  
NextEra Energy Pipeline Services Co. (NEPSCO)  
Florida Southeast Connection – Lowman Pipeline – Crist Pipeline  
[Loren.Brown@nexteraenergy.com](mailto:Loren.Brown@nexteraenergy.com)  
Office: 305-552-2132  
Mobile: 352-978-5123

*“Whenever you do something, act as if the world were watching”*

Thomas Jefferson

*Semper Fi*

---

**From:** Daniel Shull <[Daniel.Shull@mottmac.com](mailto:Daniel.Shull@mottmac.com)>  
**Sent:** Tuesday, August 5, 2025 3:45 PM  
**To:** Brown, Loren <[Loren.Brown@nexteraenergy.com](mailto:Loren.Brown@nexteraenergy.com)>; Bhattacharjee, Sukanta <[Sukanta.Bhattacharjee@nexteraenergy.com](mailto:Sukanta.Bhattacharjee@nexteraenergy.com)>; Miranda Glass <[miranda.glass@volkert.com](mailto:miranda.glass@volkert.com)>; Billy Woodbery <[billy.woodbery@volkert.com](mailto:billy.woodbery@volkert.com)>; Scott Golden <[scott.golden@volkert.com](mailto:scott.golden@volkert.com)>; Ricky Branton <[Ricky.Branton@mottmac.com](mailto:Ricky.Branton@mottmac.com)>  
**Subject:** SR 60 - Utility Coordination Meeting Minutes with FSC

All,

Please see attached meeting minutes from our call this morning. The document modified the meeting agenda and added notes from our meeting in **red**. Please review and let me know if you have any comments or revisions by end of day on Thursday (8/7) as we would like to include this in our final utility assessment package.

Thanks!

**Daniel Shull, PE**

Project Engineer Transportation

D +18506029768

[daniel.shull@mottmac.com](mailto:daniel.shull@mottmac.com)



Mott MacDonald  
220 West Garden Street Suite 700  
Pensacola  
FL 32502  
United States of America

[Website](#) | [LinkedIn](#) | [Instagram](#) | [Facebook](#) | [YouTube](#)

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Mott MacDonald Restricted

## Daniel Shull

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**From:** Jonathan Jones <jjones@easresources.com>  
**Sent:** Tuesday, August 5, 2025 3:12 PM  
**To:** Daniel Shull; Ricky Branton; Billy Woodbery; Miranda Glass; Scott Golden  
**Cc:** Brown, Loren; Bhattacharjee, Sukanta; Emerson, Travis; Edwards, Jarod  
**Subject:** Encroachment: 2508FSC1 PD&E SR60 & US441 (Osceola) FSC 36" FPID 452574-1  
**Attachments:** FSC Ex B.pdf

Some people who received this message don't often get email from jjones@easresources.com. [Learn why this is important](#)

All,

My office assists Florida Southeast Connection, LLC ("FSC") as an outside consultant with Encroachments & Right-of-Way matters. We have established your project as **2508FSC1 PD&E SR60 & US441 (Osceola)** within FSC's database. Please use this as subject for all future communications, **replying-all** to this email chain to tie the email to the correct FSC review file. Any communication not labeled with that identifier will likely not be saved to the project folder.

Following is the list of requirements for FSC to begin its encroachment review. Once we receive all requested material, my office will package the request and submit to FSC Engineering and Operations. Requests are handled in the order that all required materials are submitted. **Please note the review process, start to finish, can take several weeks to several months depending on the volume of requests and the complexity of the project.**

Attached for your reference are FSC's general third-party crossing guidelines.

**Please be advised no work may take place within FSC's right-of-way until all encroachment requests have been submitted and reviewed, all requirements satisfied, and your office has received written permission from FSC to proceed.**

### ENCROACHMENT REVIEW REQUIREMENTS:

1. exact Lat/Long location in **decimal format** of encroachment as exact as possible at the proposed crossing(s) of your project and FSC's pipeline;

*EXAMPLE: 29.626749, -95.102547*

*Note: We need the crossing location(s) of the project and pipeline only, not your full work area. Providing exact locations greatly helps expedite your review.*

2. a brief, paragraph-form scope of work as it relates specifically to the FSC pipeline using specificity as to method and material.

*EXAMPLE: In relation to your pipeline, CenterPoint Energy is crossing over the pipeline as a concrete encased ductbank in order to reach a proposed terminal pole as shown on the plans. The concrete encasement will consist of 9-4" PVC conduits. The contractor will use an open trench method to ensure the integrity of the line and ensure maximum clearance. Prior to commencing construction, the contractor will re-verify the depth of the pipeline;*

3. construction plans/engineering drawings (only those plan pages relating directly to the proposed crossing(s) of the FSC pipeline via email in reply to this chain);

*Note: Plans or drawings submitted for review will be limited to only areas of potential encroachment across or adjacent to the pipeline right of way. If “full sets” of plans that include sites, buildings, utilities or other non-relevant areas/items to the pipeline are submitted, the plans will be returned until relevant design pages are isolated.*

*Note: **If your plans involve boring, you must include a bore profile** that clearly depicts the planned separation between the pipeline and bore. If pipeline depth is needed to complete, a depth survey is available upon request.*

4. payment of \$3,000 application fee paid via one of the following methods:
  - a. via Electronic Payment (preferred)--ask for bank details and they will be sent to you by separate email.
  - b. via mailed check (**memo: 2508FSC1 PD&E**) payable to Florida Southeast Connection Pipeline,

FSC Pipeline  
Attn: Poornima Binnani  
601 Travis St, Ste 1900  
Houston, TX 77002

If sending via FedEx or other tracked mailing, **please copy me with the tracking number by email so I can mark your request as paid;**

5. a copy of the recorded deed or easement where your company/client received its right to construct the project on the property at the specific location(s) of proposed encroachment(s) (e.g. If you are a design firm for the landowner, then the vesting deed into the landowner; if you are a third-party utility provider, then the recorded easement your company/client has on the property). If your project is fully within public right-of-way, then please provide a copy of the appropriate permit;
6. planned construction start date.

Regards,

Jonathan Jones  
Land & Right-of-Way

ENERGY ACCESS SOLUTIONS, LLC  
[jjones@easresources.com](mailto:jjones@easresources.com)  
713.377.6316

**PLEASE NOTE THE FOLLOWING RESTRICTIONS AND/OR PROHIBITIONS WITHIN FSC PIPELINE RIGHT-OF-WAY:**

- All work that has the potential to disturb earthen cover in or around the pipeline right way requires an 811 ticket, each contractor and subcontractor are responsible for their own tickets and 811 requirements per Florida Statutes, Chapter 556 must be adhered to.

- No work within or immediately adjacent to the pipeline right of way can occur without a pipeline representative present.
- Vehicles larger than a standard ¾ ton pickup truck are not permitted to drive on or cross the pipeline right of way.
- If planned activity requires right of way access larger than a ¾ ton standard pickup truck, an air bridge, constructed of heavy timber mats is required at approved locations.
- Plans or drawings submitted for review will be limited to only areas of potential encroachment across or adjacent to the pipeline right of way. If “full sets” of plans that include sites, buildings, utilities or other non-relevant areas/items to the pipeline are submitted, the plans will be returned until relevant design pages are isolated.
- A scope of items to be reviewed will be submitted and only those items included in the scope will be addressed in the agreement, if items not included in the scope are observed or discovered, a stop work order will be issued and the new items will have to be submitted for engineering review, further delaying work activity.
- Review items will include any/all construction accesses, temporary or permanent road crossings, drainage, signage, sidewalk, electrical (high and low voltage), water (waste, reclaimed, fire, potable, etc.), vegetation or any other that will disturb the earth over, under or adjacent to the pipeline right of way.
- FSC pipelines are considered high priority subsurface utilities, illegal/unauthorized work will result in a \$2500.00 fine under Florida Statutes, Chapter 556 and is issued to the person(s) observed performing the work.
- Any pressurized line crossing under or over an oil line will be required to be cased.
- No Trees, bushes, temporary or permanent structures will be allowed within the pipeline ROW.
- Staging of Equipment or Vehicles for future use is not allowed above or within twenty-five feet (25’) of pipeline center line.

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File Notes:

Area of Concern: SR 60 from U.S. 441 to FSC MLV 6  
 Pipeline affected: FSC 36”

-----Original Appointment-----

**From:** Brown, Loren <Loren.Brown@nexteraenergy.com> **On Behalf Of** Daniel Shull

**Sent:** Tuesday, August 5, 2025 10:44 AM

**To:** Jonathan Jones; Brown, Loren; Bhattacharjee, Sukanta; Emerson, Travis; Edwards, Jarod; Miranda Glass; Billy Woodbery

**Cc:** Scott Golden; Ricky Branton

**Subject:** FW: SR 60 PD&E Coordination with FSC (FPID 452574-1)

**When:** Tuesday, August 5, 2025 10:00 AM-11:00 AM (UTC-06:00) Central Time (US & Canada).

**Where:** Microsoft Teams Meeting

-----Original Appointment-----

**From:** Daniel Shull <[Daniel.Shull@mottmac.com](mailto:Daniel.Shull@mottmac.com)>

**Sent:** Thursday, July 31, 2025 10:52 AM

**To:** Daniel Shull; Brown, Loren; Bhattacharjee, Sukanta; Emerson, Travis; Edwards, Jarod; Miranda Glass; Billy Woodbery

**Cc:** Scott Golden; Ricky Branton

**Subject:** SR 60 PD&E Coordination with FSC (FPID 452574-1)

**When:** Tuesday, August 5, 2025 10:00 AM-11:00 AM (UTC-06:00) Central Time (US & Canada).

**Where:** Microsoft Teams Meeting

Caution - External Email ([daniel.shull@mottmac.com](mailto:daniel.shull@mottmac.com))

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[Emergency response](#)

[Links](#)

All,

I've attached the Meeting Agenda for this morning's call.

Thanks,

Daniel

All,

This is a Microsoft Teams meeting to discuss the PD&E Study to widen SR 60 within Osceola County and its impacts to the FSC Gas Main within the project limits. Attached are the Concept Plans for the north shift and KMZ's for both the north and south shift alternatives.

Please let me know if this day and time does not work, as we can shift if needed.

Thanks,

**Daniel Shull, PE**

Project Engineer Transportation

D +18506029768

[daniel.shull@mottmac.com](mailto:daniel.shull@mottmac.com)



Mott MacDonald  
220 West Garden Street Suite 700  
Pensacola  
FL 32502  
United States of America

[Website](#) | [LinkedIn](#) | [Instagram](#) | [Facebook](#) | [YouTube](#)

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## **EXHIBIT “B”**

### **ADDITIONAL RIGHT-OF-WAY ENCROACHMENT TERMS AND CONDITIONS FOR FLORIDA SOUTHEAST CONNECTION, LLC (“FSC”)**

#### **PIPELINE FACILITIES AND LEGISLATION**

FSC is a high pressure 36/30/24/20-inch diameter natural gas steel pipeline transmission system. FSC’ pipeline facilities include, meter stations, cathodic protection equipment, valves and valve settings and other facilities located within the limits of FSC’s rights-of-way, leased, and fee properties.

FSC is regulated by the Department of Transportation, Pipeline & Hazardous Material Safety Administration (PHMSA). The pipeline safety regulations are set forth in Title 49, Code of Federal Regulations, Part 192 "Transportation of Natural and Other Gas by Pipeline – Minimum Federal Standards" and Part 195 “Transportation of Hazardous Liquids by Pipeline – Minimum Federal Standards.” FSC will require that all federal, state, and local ordinances and applicable utility set backs are complied with to the fullest extent.

#### **ENCROACHMENTS**

FSC seeks to minimize encroachments and excavation activity within the limits of our pipeline right of way. Encroaching parties will design projects such that proposed improvements remain outside the pipeline right of way. Improvements that will encroach into the right of way will be designed and constructed such that the safe operation and maintenance of the pipeline is not diminished. FSC will enforce applicable provisions in its right of way and encroachments agreements where it believes the continued safe operation and maintenance of the pipeline facilities could be threatened.

#### **NOTIFICATION AND CONSTRUCTION SAFETY REQUIREMENTS**

1. In order to prevent unnecessary delays, FSC encourages close communication with our representative throughout your entire project. An FSC representative should participate in all pre-construction meetings. In addition, FSC can conduct a safety/informational presentation to any interested parties, including contractors, local governmental maintenance crews, and developers.
2. The “One Call” systems require 48 to 72 hours’ notice prior to any excavation activities or equipment use on or in close proximity to FSC’s pipeline facilities. Dial 811 to be connected to your State One Call system. No equipment use or excavation will occur in the vicinity of FSC facilities until notification to “One Call” has been made. An FSC representative will be on site prior to and during any equipment use or excavation activities. Any crossings made without an FSC representative on site will be excavated at the excavator’s expense to provide FSC an opportunity to inspect all affected pipeline facilities.

3. Excavations must be barricaded to protect FSC pipelines from exposure to vehicular traffic and to ensure public safety. FSC representatives must be provided safe access to all open excavations. Excavations must be properly sloped or shored in accordance with OSHA regulations.

### **PLAN DESIGN AND REVIEW REQUIREMENTS**

1. Residential and/or commercial developments will be laid out such that the right of way is designated as “open” or “common” space. Maintaining an open right of way reduces public exposure and minimizes disruptions during pipeline maintenance and construction. Lot divisions will be established on either side of the right of way resulting in the actual right of way being “open” or “common” areas.

2. In most cases, FSC will require the submittal of two or more full size plan and profile drawings to the appropriate FSC office for prior review and written approval by FSC. All drawings must show, in detail, all of FSC facilities and other features that will allow FSC to determine the impact of the proposed construction or maintenance activity on its facilities. Encroachment plans will include a scope of work, description, and a location map depicting the project site area. Sufficient geographical references such as legal property lines, roads, and appropriate deed information for the properties involved will be provided.

3. In order to ensure that all proposed improvements are designed in accordance with FSC encroachment specifications, FSC requires a minimum of thirty business days lead-time to review proposed encroachments. Encroachments involving road crossings will require additional review time. Any proposed road which requires pipeline modifications or a dedicated right of way will require significant lead-time.

4. If there are any changes to approved plans, additional review by FSC and subsequent written authorization will be required.

5. In some cases, there is a significant delay between the review and approval of submitted plans and actual construction. In such cases, proposed encroachment related activities will be subject to FSC requirements in effect at the time the work actually takes place.

### **FSC EASEMENT, PERMITS AND AGREEMENTS**

1. An FSC Encroachment Agreement or a letter of no objection (“LONO”) may be required for any proposed construction within FSC right of way. This document prepared by FSC, will outline the responsibilities, conditions, and liabilities of each party. If required, this document must be executed by the encroaching party and in FSC possession prior to any work being performed on the right of way.

2. FSC will determine if a recorded encroachment agreement or LONO will be required for any proposed construction within FSC right of way. This agreement, prepared by FSC, will outline the responsibilities, conditions, and liabilities of each party. This agreement will be fully executed and in FSC possession prior to any work being performed on the right of way.

3. FSC will determine if a reimbursement agreement will be required for any construction within FSC right of way. This agreement, prepared by FSC, will outline the reimbursement procedure for necessary and appropriate preliminary engineering, actual field inspection work and other costs that may be incurred by FSC. Payment must be FSC's possession prior to any work being performed on the right of way.

### **GENERAL REQUIREMENTS**

1. No above ground structures or appurtenances are to be located within the FSC right of way without an FSC Encroachment Agreement or LONO. The structures and appurtenances include, but are not limited to: utility poles, towers, foundations, guy wires, structures supporting aerial lines, satellite dishes, manholes, catch basins, utility pedestals, transformers, fire hydrants, utility sheds, decks, swimming pools with associated improvements, etc.

2. An authorized FSC representative must be on site prior to and during any surface-disturbing work or equipment crossings performed within the right of way. FSC representative will assist in determining the location of the pipeline, the right of way width, and existing cover over the pipeline and will remain on site to monitor all activities within the right of way.

3. No cut or fill on the FSC right of way is permitted without FSC written approval.

4. FSC, at its discretion, may request evidence of comprehensive general liability insurance coverage (up to \$5,000,000 coverage) and other appropriate and usual insurance prior to any activity, maintenance, and/or construction on or near FSC right of way and facilities. In the event of significant excavation under or over FSC's pipeline, FSC will require that FSC be named as additional insured on the Certificate of Liability Insurance. The insurance limits, terms, and conditions that may be required will be dependent on the specific facilities potentially impacted and what would be usually and prudently obtained in similar industry situations.

5. All foreign lines will cross FSC right of way at an angle to the FSC pipeline as near to 90 degrees as possible.. Parallel occupancy of FSC right of way will not be permitted.

6. All foreign lines crossing FSC pipeline or related facilities will be installed with a minimum of 24" of clearance between the bottom of the FSC pipeline and the proposed foreign line.

7. FSC facilities are electrically protected against corrosion. Each metallic foreign line that enters or crosses FSC right of way must have a cathodic protection test lead installed and accessible above ground (flush with grade or extension riser). In addition, the utility contractor installing the metallic foreign line must excavate and expose the FSC pipeline to provide for the installation of test leads by FSC employees. All necessary measures (coatings, electrical bonds, etc.) will be taken to ensure that the proposed pipe or utility is adequately protected from potential interference effects.

8. FSC may require that foreign lines be identified with permanent aboveground markers where the lines enter and exit the FSC right of way. It is the line owner's responsibility to obtain any

rights to install the markers, and to maintain the markers. A direct burial warning tape should be placed 12” to 18” above the foreign line and extend across the entire width of FSC right of way.

9. Foreign lines crossing FSC facilities will be installed in accordance with all applicable codes and requirements governing such installations.

10. Stockpiling brush, trash, or other debris on the right of way is prohibited.

### **EXCAVATION AND BLASTING**

1. Plans for excavation on the right of way require prior approval by FSC. No machine excavation will be performed within 24” of the FSC pipeline or related facilities. FSC onsite representative may require hand digging at a distance greater than 24”.

2. When a backhoe is used for excavation, the bucket teeth should be curled under each time the bucket is brought back into the ditch to reduce the chance of the teeth contacting the pipeline. Side cutters must be removed from all buckets. At the discretion of FSC onsite representative, a bar may have to be welded across the bucket teeth.

3. No mechanical excavation may be performed by reaching over any FSC facilities.

4. Prior to any plowing or ripping of soil on the right of way, particularly in association with agricultural activities, plans should be reviewed with your local FSC representative to ensure proper cover exists. No vibratory plows are permitted to be used on the FSC right of way.

5. A detailed blasting plan must be submitted for review and written authorization prior to any proposed blasting within 200’ (1,500’ for surface mining) of FSC pipeline facilities and a FSC representative must be on site during all blasting. In order to provide for necessary and appropriate analysis by FSC, each licensed blasting contractor must also complete and submit a FSC Blasting Data Sheet. The blasting plan and data sheets must be submitted a minimum of ten business days prior to the proposed blasting. Specific requirements applicable to proposed blasting will be provided to the licensed blasting contractor.

### **DISTURBANCE, MAINTENANCE AND VEGETATION**

1. No trees are permitted on FSC right of way. Additionally, the canopy of any trees planted adjacent to the right of way must not extend into the right of way at maturity. Any branches extending into the right of way will be side cut by FSC at its discretion.

2. With prior approval from FSC, some types of low growing, willow-rooted shrubs may be permitted on the right of way provided their maximum mature height will not exceed 5’ and are not within 5’ of the edge of the pipeline. FSC requires that the mature plantings will not prevent FSC representatives from seeing down the right of way during routine patrols or walking down the right of way directly over the pipelines as they perform required inspections. Under no circumstances will mechanical equipment be used in the planting of shrubs.

3. FSC reserves the right to cut and/or remove plantings as required in the operation, inspection, and maintenance of its pipeline facilities; further, FSC assumes no responsibility for any cost involved in the replacement of said cut and/or removed landscape plantings.

4. All sprinkler or irrigation systems will require review by an FSC representative. Sprinkler heads will not be permitted within 10' of any pipeline or related facility. All crossings of the FSC pipelines or related facilities with feeder lines will be hand dug.

### **EQUIPMENT CROSSING**

1. To protect the FSC pipeline from external loading, FSC must perform an engineering evaluation to determine the effects of any proposed equipment use. Mats, timber bridges, or other protective materials deemed necessary by FSC will be placed over FSC facilities for the duration of any loading. Protective materials will be purchased, placed, and removed at no cost to FSC. The right of way must be returned to its original condition.

2. FSC may require temporary markings to identify areas where equipment use is authorized.

3. No vibratory equipment is permitted within the limits of, or in close proximity to, the FSC right of way.

### **FENCES**

1. A site specific inspection is required to determine whether the proposed fence posts must be kept a minimum of 4' or 5' from the edge of the FSC pipeline or related pipeline facility. An FSC representative must be on site to determine the location of the fence posts within the right of way and for the duration of the digging of the posts. Posts installed within the right of way must be hand dug. All proposed fence crossings over the FSC pipeline will cross at an angle of 90°, or as near as reasonably practicable.

2. FSC will have the free right of ingress and egress. FSC may require that new fences have a 12' wide gate installed within the right of way at a location approved by FSC. The gate will be installed as to minimize vehicular and equipment travel over the existing FSC facilities.

### **LOGGING AND TIMBER OPERATIONS**

1. Written approval from FSC is required before any logging or timber operations can begin on FSC right-of-way.

2. Additional requirements may include, but are not limited to, the installation of land ramps, plates, or temporary erosion controls.

3. Refer to Insurance requirement in #4 of the General Requirements above.

4. An authorized FSC representative must be on site prior to and during any surface disturbing work or equipment crossing performed within the ROW.

5. The encroaching entity must meet with an FSC representative at least three days prior to the completion of the project to discuss site restoration.

### **NON-OCCUPANCY STRUCTURE**

This section details encroachment requirements on sheds, barns, car ports, retaining walls, storage drums, garages, large debris, old cars, trailers, scrap metal, boulders, satellite dishes, manholes, fire hydrants, etc. Buildings or structures, whether occupied or not, may not be constructed within an FSC easement. No above ground structures or appurtenances are to be located within the FSC easement. The structures and appurtenances include, but are not limited to: towers, satellite dishes, manholes, catch basins, utility pedestals, transformers, fire hydrants, utility sheds, playhouses, garages, patios, slabs/foundations, decks, swimming pools with associated improvements, or similar structures. Large debris such as old cars, trailers, scrap metal, boulders, etc., will not be permitted on the right-of-way. The right-of-way must be kept clear for maintenance and inspection.

### **OCCUPIED STRUCTURES**

This section includes buildings, houses, occupancy trailers/mobile homes, patios, decks, playgrounds, playhouses, swimming pools, workshops, or similar structures. Occupied aboveground structures are prohibited within FSC easements, in order to provide for adequate maintenance and operation of FSC facilities.

### **OVERHEAD CROSSING UTILITY**

1. Overhead line crossings will be installed with a minimum of 30' of vertical clearance above the FSC right of way to provide adequate equipment clearance. No poles or appurtenances will be located on the FSC right of way without an FSC Encroachment Agreement or LONO.
2. Overhead line crossings will not be installed within 50' (measured horizontally) of any gas vent (e.g. relief valve, blow down vent).
3. Overhead lines will cross FSC facilities at an angle as near to 90 degrees as possible.
4. In addition to these FSC minimum clearances, all local utility minimum clearances must be adhered to.

### **PARALLEL UTILITY**

Parallel occupancy on an existing FSC easement is not allowed unless specifically approved by FSC Operations. This includes trenched, trenchless (bored), and above ground installation of pipelines, cables, conduits, overhead utilities, or fences.

## **ROAD, RAIL, PAVED AND UNPAVED TRANSPORTATION**

1. FSC must complete a preliminary engineering evaluation for all roads, streets, driveways, etc., proposed on FSC right-of-way. Any pipe casing, concrete slabs, or other protection required by FSC will be installed at no expense to FSC. FSC may require a pipeline inspection prior to construction.
2. The recommended minimum total cover over FSC existing pipelines is 66” at all driveways, highways, roads, streets, etc. The recommended minimum total cover over FSC existing pipelines in adjacent drainage ditches is 48”.
3. Vibratory equipment is prohibited within the limits of the FSC right of way. Vibratory equipment is not permitted to be used for achieving applicable compaction requirements.
4. Driveways, highways, roads, streets, etc. crossing over FSC pipeline facilities will cross at an angle as near to 90 degrees as possible. All crossings must be over straight pipe and at locations free of any crossovers. Parallel occupancy of the right of way will not be permitted.
5. FSC will retain the right to mow/cut all present and proposed driveways, highways, roads, streets, etc. and will have no responsibility for restoration, loss of use or access, or any other costs.
6. Access to the earth above each pipeline for leak detection, monitoring, inspection and cathodic protection surveys must be maintained.

## **SUBSURFACE CROSSING UTILITY**

1. Utilities crossing FSC facilities are required to be cased to protect the integrity of the utility and the safety of FSC and third party excavators in the future.
2. All buried communications (other than single residential telephone and TV) crossing FSC facilities will be installed with encased, rigid, non-metallic conduit the full width of FSC right of way. Per on site personnel, conditions may warrant (spanning issues, shoring) steel conduit across the width of the ROW when the pipeline is exposed.
3. All buried electric cables (other than 24-volt DC power lines), including single residential service drops, crossing FSC facilities will be installed in encased, rigid, non-metallic conduit the full width of FSC right of way. Per on site personnel, conditions may warrant steel conduit across the width of the ROW when the pipeline is exposed.
4. All buried single residential telephone, cable TV, and 24volt DC power will be encased in schedule 40 PVC casing for the full width of FSC right of way.
5. All fiber optic cable, including single drops, will be installed encased, rigid, non-metallic conduit the full width of FSC right of way. Per on site personnel, conditions may warrant steel conduit across the width of the ROW when the pipeline is exposed.

6. All sanitary sewer and pressurized water lines will be installed with encased, rigid, non-metallic conduit the full width of FSC right of way. Per on site personnel, conditions may warrant (spanning issues, shoring) steel conduit across the width of the ROW when the pipeline is exposed. Gravitational flow systems will be either: (1) ductile iron or steel pipe (adequately protected from FSC cathodic protection system), (2) plastic pipe installed in steel casing, or (3) concrete pipe for the full width of FSC right of way. No piping joints/connections will be allowed within 5' of the FSC pipeline. All ductile iron utility crossings will include restrained joints for the full width of FSC right of way.

7. No septic tanks, liquid disposal systems, or hazardous waste disposal systems will be allowed on FSC right of way or within 25' of FSC facilities. This prohibition includes, but is not limited to, facilities that have the potential of discharging effluent from sewage disposal systems, the discharge of any hydrocarbon substance, the discharge or disposal of any regulated waste, or any other discharge that may prove damaging or corrosive to FSC facilities.

8. All plastic combustible material lines will be installed in steel casing for the full width of FSC right of way.

9. FSC may require that steel combustible material lines (adequately protected from FSC cathodic protection system) be installed under existing FSC pipeline facilities.

10. FSC existing pipeline facilities will be potholed to verify the horizontal and vertical location of all facilities prior to any proposed trenchless construction operation. Once all required potholes have been performed, both plan view and profile drawings showing both FSC existing facilities and the proposed trenchless crossing alignment and profile will be submitted to FSC. Plan and profile drawings are required for all proposed trenchless construction operations. If not completed, FSC may require a subsurface geotechnical investigation be completed prior to construction.

11. All proposed trenchless construction methods may include the installation of steel casing for the full width of FSC right of way.

12. Depending on the trenchless method chosen, distance between FSC facilities and the proposed crossing alignment and profile, and depth of cover, FSC may require inspection holes to be excavated to verify the depth of the bore as it approaches each pipeline. Inspection holes must be excavated to allow FSC on-site representative to visually see the boring head prior to the point where it travels beneath the pipeline.

13. If inspection holes are not performed, the contractor will monitor the location with precise downhole survey instruments and verify it with surface location equipment (i.e. TruTracker, ParaTrack, or equivalent). The contractor must provide FSC the computer printout of the directional survey and TruTracker/ParaTrack (or equivalent) reports generated by the downhole survey tools daily. Report data will be in a format suitable for independent calculation of the survey. Deviations between the recorded position and the plan and profile drawing will be documented and immediately brought to the attention of FSC. Contractor will notify FSC on-site representative of any drill profile failing to meet the specifications.



14. For an asset that is installed by trenching methods, all trenchless construction will have a minimum vertical separation of 5 feet from the FSC pipeline when crossing it perpendicular. For any trenchless construction not perpendicular to a FSC pipeline, there will be a minimum three-dimensional separation of 10 feet. An FSC representative will be on site to witness the bore staking, pilot hole sighting, observation hole, and any other activity associated with the drill or bore.

15. For an asset that is installed by trenchless methods, all trenchless construction will have a minimum vertical separation of 10 feet from the FSC pipeline when crossing it perpendicular. For any trenchless construction not perpendicular to the FSC pipeline, there will be a minimum three-dimensional separation of 25 feet. An FSC representative will be on site to witness the bore staking, pilot hole sighting, observation hole, and any other activity associated with the drill or bore.

16. Contractor will check for ground subsidence periodically along all attempted trenchless crossings and the final corridor within FSC right-of-way and notify FSC on-site representative immediately upon findings. Contractor will fill any voids with a cement grout, compact subsoil within the FSC right-of-way, and restore the ground surface to original contours and conditions.

17. If for any reason the proposed trenchless method fails during construction or if any hole is abandoned during the process, contractor will fill abandoned holes and/or subsurface voids within FSC right-of-way entirely with a cement grout.

18. Upon 15 days of completion, contractor will furnish the alignment and profile as-built drawing with a description of the survey data used to determine the as-built location and a statement of accuracy used to create the drawing. The drawing will be submitted in both AutoCAD and PDF format and contain all data points that are within the FSC right-of-way representing final alignment and profile, any abandoned holes, tools, strings of drill pipe, etc. overlaid on the plan and profile drawing.

## **SURFACE WATER**

1. FSC may conduct preliminary engineering studies for any proposed drainage channels or ditches that will discharge toward or within the right of way. Drainage channels or ditches must be adequately protected from erosion and provide a minimum of 48" of cover over the pipelines. Altering (clearing, re-grading, or changing alignment of) an existing drainage channel or ditch requires written approval from FSC.

2. Impoundment of water on FSC right of way is not permitted. Soil erosion control measures will not be installed within the FSC right of way without prior written FSC approval.

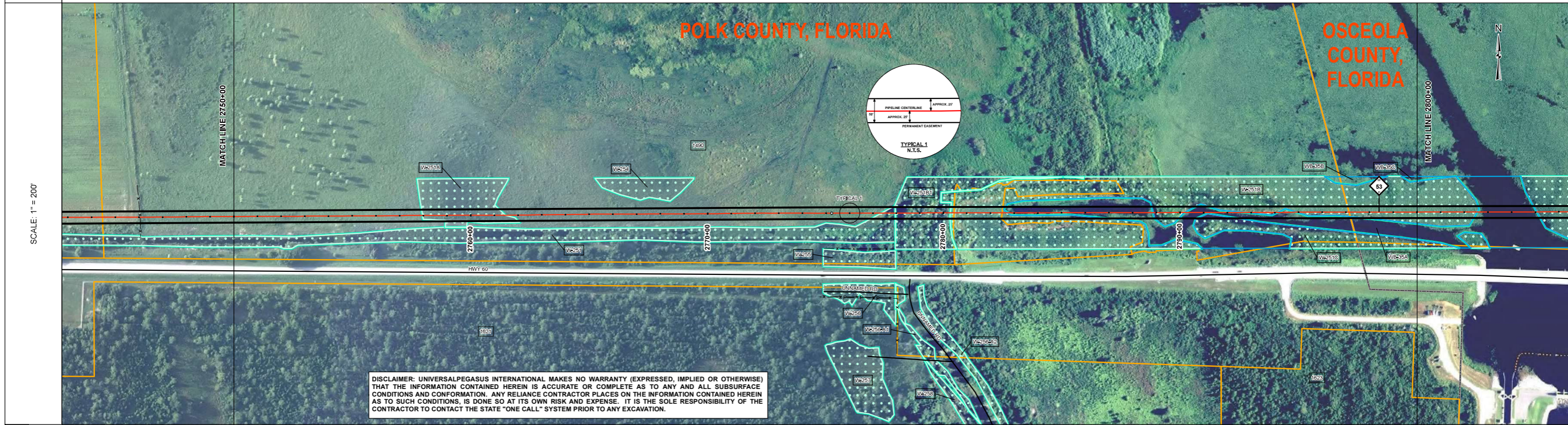
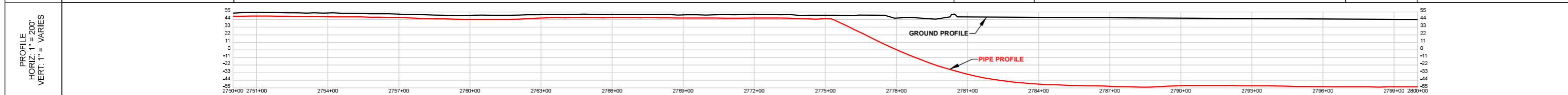
## **REGARDING RIGHTS**

1. Nothing contained herein may be construed to convey, waive, or subordinate any of FSC's existing rights whatsoever.

2. FSC will be fully and completely compensated for any damages to its facilities resulting from the acts of third parties who are working in the vicinity of FSC facilities with or without FSC consent.

3. FSC will be indemnified from and against all claims, losses, demands, damages, causes of action, suits, and liability of every type and character, including all expenses of litigation, court costs, and attorney's fees, for injury to or death of any person, or for damage to any property, arising out of or in connection with third party work in the vicinity of FSC facilities.

TRACT	MATCH LINE 2750+00	1490 SOUTH FLORIDA WATER MANAGEMENT DISTRICT 3.045 2750+00 TO 2780+45	FLORIDA DEPARTMENT OF TRANSPORTATION 204 2780+45 TO 2782+49	1490 SOUTH FLORIDA WATER MANAGEMENT DISTRICT 1.465 2782+49 TO 2797+14	OSCEOLA COUNTY ROW 286' 2797+14 TO 2800+00	MATCH LINE 2800+00
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SURVEY DATA	STATIONING	MATCH LINE 2750+00	MATCH LINE 2800+00
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ENGINEERING DATA	MATERIAL	MATCH LINE 2750+00	MATCH LINE 2800+00
REFERENCE DRAWING			HDD DWG LR08919
CLASS LOCATION (IFC)			CLASS I
MINIMUM DEPTH OF COVER		4	SEE REF DWG
AC MITIGATION			
ENV. DATA	STATIONS	2757+46	2781+45
WATERBODY/WETLAND CROSSINGS		W-251A	W-251B
WATERBODY/WETLAND LENGTH		349	506
THREATENED AND ENDANGERED SPECIES			

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					
ITEM NO.	QTY	UOM	REQ'D NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'D NUMBER	MATERIAL NUMBER	DESCRIPTION
P1					36" O.D. x 0.520" WT, API 5L X70, PS L2, DSAW, 14-16 MILS FBE					
P4					36" O.D. x 0.750" WT, API 5L X70, PS L2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO					
P5					36" O.D. x 0.625" WT, API 5L X70, PS L2, DSAW, 14-16 MILS FBE					
CONTINUOUS CONCRETE COATING										
	QTY	UOM	REQ'D NUMBER	MATERIAL NUMBER	DESCRIPTION					

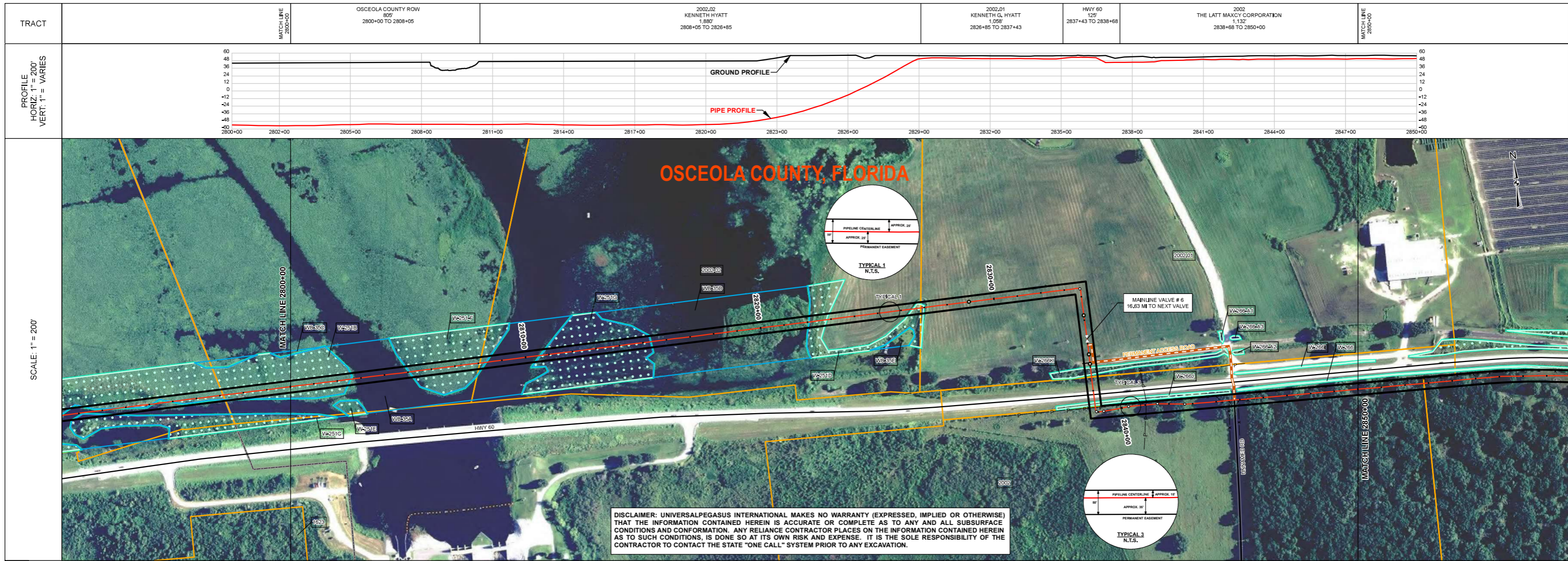
GENERAL INFORMATION	
1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.	
2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.	
SPECIAL NOTES	
1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.	

LEGEND		
HDD	PIPELINE CENTERLINE	PERMANENT EASEMENT
BORE	FENCE	NON FORESTED WETLAND
LINE PIPE	POWER LINE	FORESTED WETLAND
3R RAD FIT	TELEPHONE LINE	WATERBODY
INDUCTION BEND	WATERLINE	WETLAND / WATERBODY NAME
TRANSITION PIPE	SEWER LINE	PARCEL NUMBER
CONT. CONC. COAT.	BURIED CABLE	WETLAND / WATERBODY NAME
SET-ON WEIGHTS	UTILITY LINE	POINT OF INTERSECTION (P) HORIZONTAL
WARNING SIGN	GENERAL SURVEY	POINT OF INTERSECTION (P) VERTICAL
MATERIAL ITEM	FOREIGN PIPELINE	SPREAD BREAK
AERIAL MARKER	RAILROAD	
CP TEST STATION	HIGHWAY / ROAD	
BV MOV / BV & CV	PERMANENT ACCESS ROAD	
PIPELINE MARKER	COUNTY BOUNDARY	
PIPELINE MILEPOST	ROW PARCEL	
ANODE BED	PLSS SECTION LINE	
	TRAP	
	WATER WELL	
	HDD ENTRY / EXIT	

REVISIONS				
NO.	DESCRIPTION	DATE	REV BY	CHK APP BY
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ JB

APPROVALS		
DRAWN BY:	AG	CONSTRUCTION PERMIT NO.
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION
PROJECT MANAGER:	JB	MIN. TEST PRESSURE 2160 PSI
PROJECT DEF. NO.		DESIGN PRESSURE 1440 PSI
<b>FLORIDA SOUTHEAST CONNECTION PROJECT</b> STA: 2750+00 TO 2800+00      DISCIPLINE# 03		
<b>FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET</b> POLK COUNTY, FLORIDA OSCEOLA COUNTY, FLORIDA		
SCALE: 1" = 200'	<b>23312-21398-507-ALS-10060-001</b>	REV. 0

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 Plot Subtitle: Yes



SURVEY DATA		STATIONING	MATCH LINE 2800+00	MATCH LINE 2850+00
ENGINEERING DATA		MATERIAL	MATCH LINE 2800+00	MATCH LINE 2850+00
REFERENCE DRAWING	HDD DWG LR06919			
CLASS LOCATION (IFC)	CLASS I			
MINIMUM DEPTH OF COVER	SEE REF DWG			
AC MITIGATION	3			
ENV. DATA		STATIONS	MATCH LINE 2800+00	MATCH LINE 2850+00
WATERBODY/WETLAND CROSSINGS	W-251B, W-35A, W-251F, W-35A, W-251G, W-35D, W-251D, W-251D			
WATERBODY/WETLAND LENGTH	754, 252, 324, 234, 466, 677, 72, 44			
THREATENED AND ENDANGERED SPECIES				

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					
ITEM NO.	QTY	UOM	REQ# NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ# NUMBER	MATERIAL NUMBER	DESCRIPTION
B					FACTORY BEND					
F					FABRICATION					
P1					36" O.D. x 0.520" W.T. API 5L X70 PSL2, DSAW, 14-16 MILS FBE					
P3					36" O.D. x 0.625" W.T. API 5L X70 PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARC					
P4					36" O.D. x 0.750" W.T. API 5L X70 PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARC					
P5					36" O.D. x 0.625" W.T. API 5L X70 PSL2, DSAW, 14-16 MILS FBE					
TEE					TEE					
V					VALVE					

**GENERAL INFORMATION**

1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.

**SPECIAL NOTES**

1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.

**LEGEND**

- HDD
- BORE LINE PIPE
- 3R RAD FIT
- INDUCTION BEND
- TRANSITION PIPE
- CONT. CONC. COAT.
- SET-ON WEIGHTS
- WARNING SIGN
- MATERIAL ITEM
- AERIAL MARKER
- CP TEST STATION
- BV MOV / BV & CV
- PIPELINE MARKER
- PIPELINE MILEPOST
- ANODE BED
- PIPELINE CENTERLINE
- FENCE
- POWER LINE
- TELEPHONE LINE
- WATERLINE
- SEWER LINE
- BURIED CABLE
- UTILITY LINE
- GENERAL SURVEY
- FOREIGN PIPELINE
- RAILROAD
- HIGHWAY / ROAD
- PERMANENT ACCESS ROAD
- COUNTY BOUNDARY
- ROW PARCEL
- PLSS SECTION LINE
- TRAP
- WATER WELL
- HDD ENTRY / EXIT
- PERMANENT EASEMENT
- NON FORESTED WETLAND
- FORESTED WETLAND
- WATERBODY
- WETLAND / WATERBODY NAME
- POINT OF INTERSECTION (PI) HORIZONTAL
- POINT OF INTERSECTION (PI) VERTICAL
- SPREAD BREAK

**REVISIONS**

NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB

**APPROVALS**

DRAWN BY: MJ  
 CHECKED BY: MJ  
 PROJECT MANAGER: JB  
 PROJECT DEF. NO.

AG: MJ  
 AG: JB

CONSTRUCTION PERMIT NO.  
 MAINTENANCE OPERATION REGION  
 MIN. TEST PRESSURE 2160 PSI  
 DESIGN PRESSURE 1440 PSI

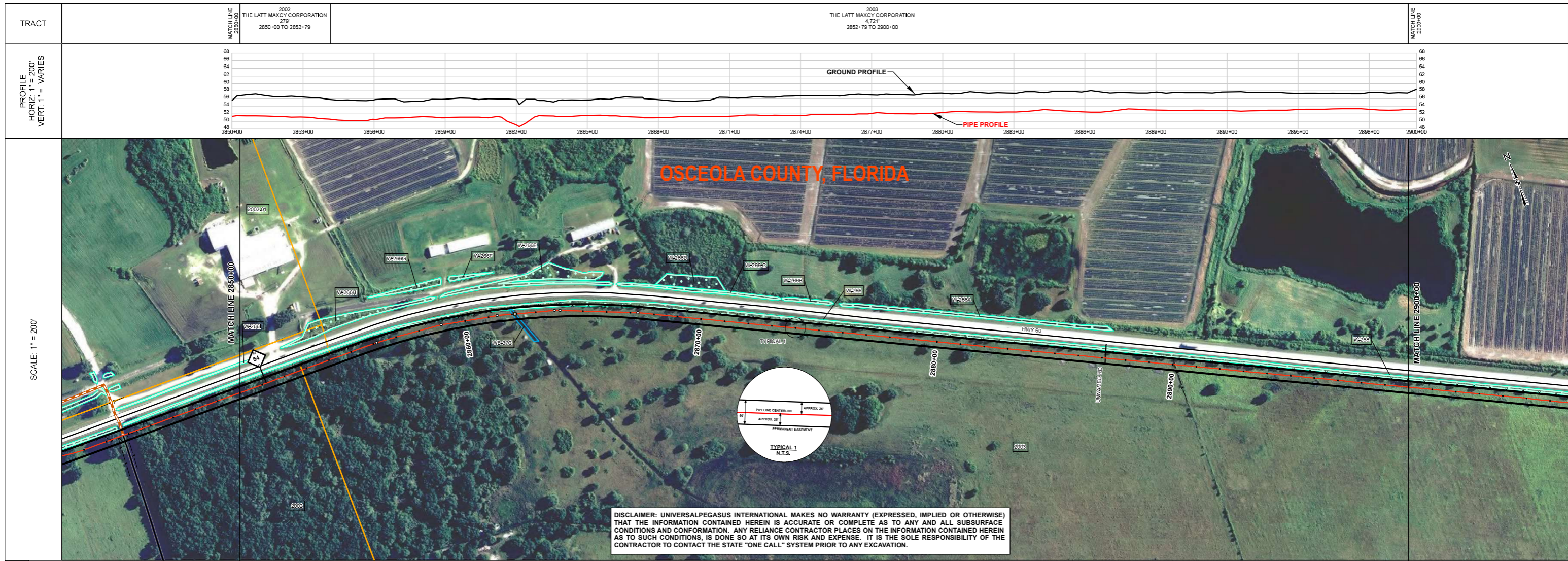
**UniversalPegasus INTERNATIONAL**  
 A Subsidiary of Huntington Ingalls Industries

**FLORIDA SOUTHEAST CONNECTION**

FLORIDA SOUTHEAST CONNECTION PROJECT  
 STA: 2800+00 TO 2850+00  
 DISCIPLINE# 03

**FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET**  
 OSCEOLA COUNTY, FLORIDA

SCALE: 1" = 200'  
**23312-21398-507-ALS-10061-001**  
 REV. 0



SURVEY DATA		STATIONING	
ENGINEERING DATA		MATERIAL	
REFERENCE DRAWING			
CLASS LOCATION (IFC)		CLASS I	
MINIMUM DEPTH OF COVER		3	
AC MITIGATION			
ENV. DATA		STATIONS	
WATERBODY/WETLAND CROSSINGS			
WATERBODY/WETLAND LENGTH			
THREATENED AND ENDANGERED SPECIES			

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					
ITEM NO.	QTY	UOM	REQ# NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ# NUMBER	MATERIAL NUMBER	DESCRIPTION
P1					36" O.D. x 0.500" WT. API 5L, X70, PSL2, DSAW, 14-16 MILS FBE					
CONTINUOUS CONCRETE COATING										
SPECIAL NOTES					1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.					

**GENERAL INFORMATION**

1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.

**LEGEND**

- HDD
- BORE
- LINE PIPE
- 3R RAD FIT
- INDUCTION BEND
- TRANSITION PIPE
- CONT. CONC. COAT.
- SET-ON WEIGHTS
- WARNING SIGN
- MATERIAL ITEM
- AERIAL MARKER
- CP TEST STATION
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- GENERAL SURVEY
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- RAILROAD
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- ROW PARCEL
- PLSS SECTION LINE
- TRAP
- WATER WELL
- HDD ENTRY / EXIT
- PERMANENT EASEMENT
- NON FORESTED WETLAND
- FORESTED WETLAND
- WATERBODY
- WETLAND / WATERBODY NAME
- PARCEL NUMBER
- WETLAND / WATERBODY NAME
- POINT OF INTERSECTION (PI) HORIZONTAL
- POINT OF INTERSECTION (PI) VERTICAL
- SPREAD BREAK

**REVISIONS**

NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB

**APPROVALS**

DRAWN BY:	AG	CONSTRUCTION PERMIT NO.
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION
PROJECT MANAGER:	JB	MIN. TEST PRESSURE 2160 PSI
PROJECT DEF. NO.		DESIGN PRESSURE 1440 PSI

**FLORIDA SOUTHEAST CONNECTION PROJECT**

STA: 2850+00 TO 2900+00 DISCIPLINE# 03

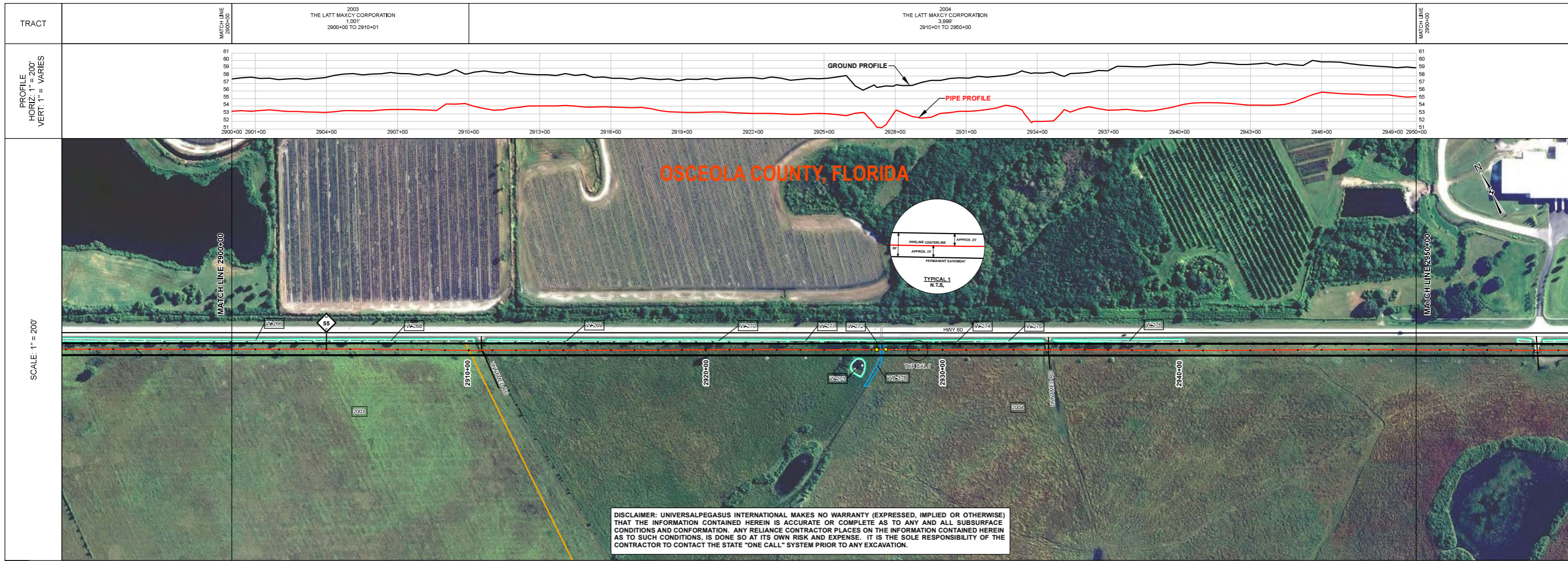
**FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET**

OSCEOLA COUNTY, FLORIDA

SCALE: 1" = 200'

**23312-21398-507-ALS-10062-001** REV. 0

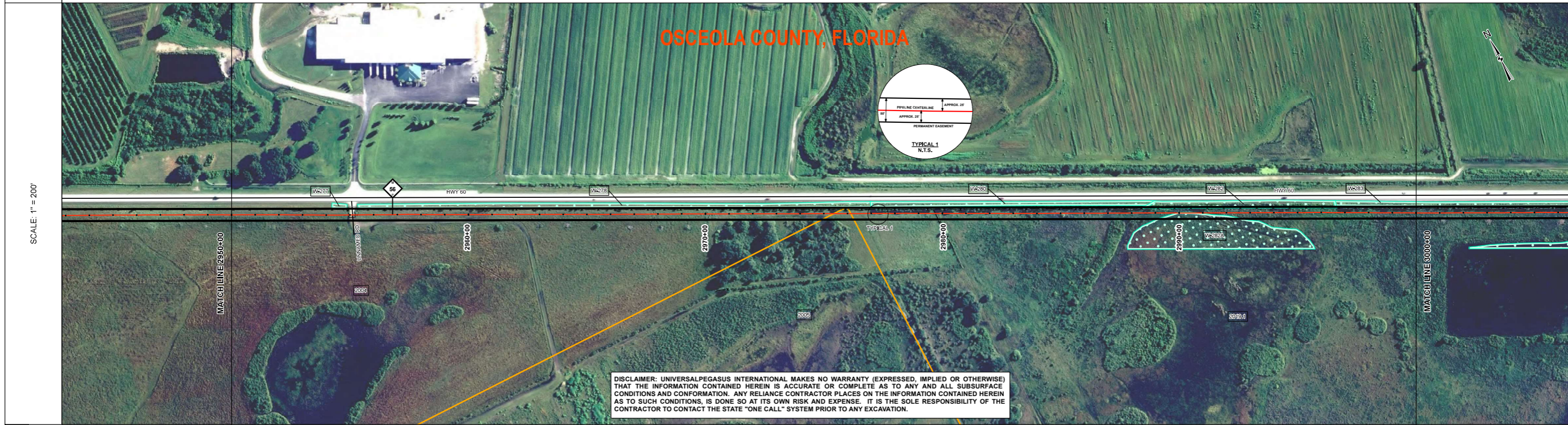
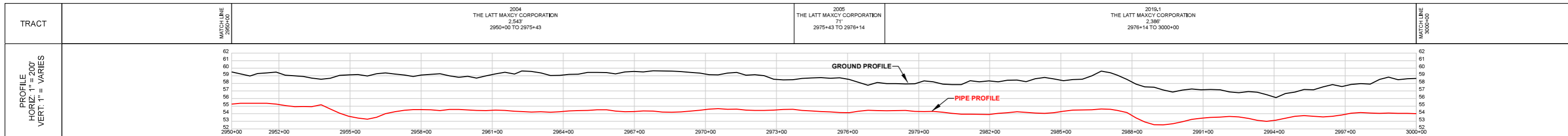
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 Plot Subtitle: OSCEOLA COUNTY, FLORIDA  
 Plot Scale: 1" = 200'  
 Plot Project: 23312-21398-507-ALS-10062-001  
 Plot Rev: 0  
 Plot Date: 7/28/2017 10:00:00 AM  
 Plot User: JMB



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SURVEY DATA	STATIONING	2900+00 to 2950+00
	MATERIAL	<p>2910+36 FENCE CORNER LT 28'</p> <p>2910+47 FENCE CORNER RT 3'</p> <p>2910+55 UNNAMED RD</p> <p>2910+64 FENCE CORNER RT 3'</p> <p>2910+69 FENCE CORNER LT 28'</p> <p>2919+70</p> <p>2927+17 PL=3' S&amp;G</p> <p>2927+81 PL=4' S&amp;G</p> <p>2928+05 PL=3.5' RT&amp;OB</p> <p>2932+00 FENCE CORNER LT 21'</p> <p>2932+09 FENCE CORNER LT 25'</p> <p>2934+36 RT&amp;H</p> <p>2934+30 FENCE CORNER LT 25'</p> <p>2934+36 FENCE UNNAMED RD</p> <p>2934+57 FENCE</p> <p>2934+59 MONUMENT LT 25'</p>
ENGINEERING DATA	REFERENCE DRAWING	
	CLASS LOCATION (IFC)	CLASS I
ENV. DATA	MINIMUM DEPTH OF COVER	3'
	AC MITIGATION	3'
STATIONS	WATERBODY/WETLAND CROSSINGS	2934+11, 2934+41, 2934+56
	WATERBODY/WETLAND LENGTH	12'
THREATENED AND ENDANGERED SPECIES		

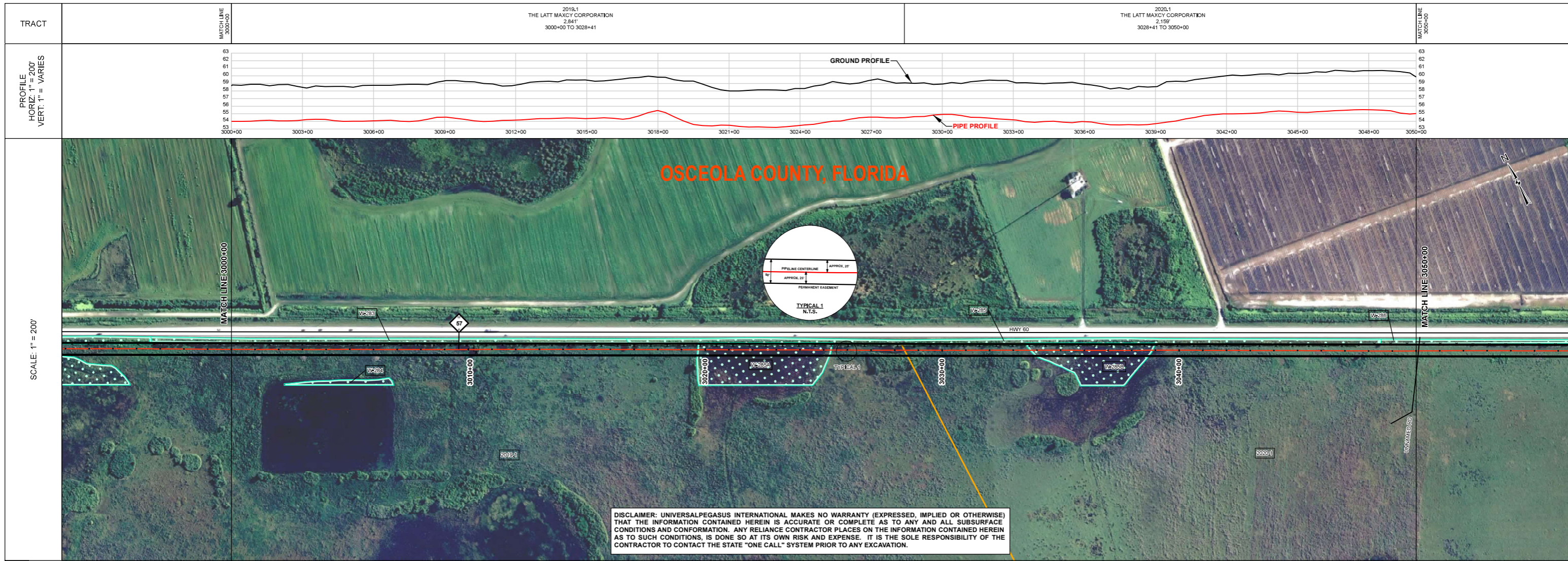
BILL OF MATERIALS				MISCELLANEOUS MATERIALS				GENERAL INFORMATION				LEGEND				REVISIONS				APPROVALS																																						
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<p>CONTINUOUS CONCRETE COATING</p> <table border="1"> <tr> <th>QTY</th> <th>UOM</th> <th>REQ'D NUMBER</th> <th>MATERIAL NUMBER</th> <th>DESCRIPTION</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>												QTY	UOM	REQ'D NUMBER	MATERIAL NUMBER	DESCRIPTION						<p>SPECIAL NOTES</p> <p>1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.</p>				<p>0 50 100 200 300 400</p> <p>1 INCH = 200 FEET</p>				<p>FLORIDA SOUTHEAST CONNECTION PROJECT</p> <p>STA: 2900+00 TO 2950+00 DISCIPLINE# 03</p> <p><b>FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET</b></p> <p>OSCEOLA COUNTY, FLORIDA</p> <p>SCALE: 1" = 200'</p> <p><b>23312-21398-507-ALS-10063-001</b> REV. 0</p>																												
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SURVEY DATA	STATIONING	2954+90 FENCE CORNER LT 23 2954+97 FENCE CORNER RT 10 2954+97 CATTLE GAP RT 10 2955+01 UNNAMED RD 4 2955+11 UNNAMED RD 4 2955+24 CATTLE GAP RT 11 2955+25 FENCE CORNER RT 11 2955+27 FENCE CORNER RT 11 2955+31 FENCE CORNER LT 23
	MATERIAL	2954+90 2954+97 2955+27 2973+71 2979+71 2990+01
ENGINEERING DATA	REFERENCE DRAWING	
	CLASS LOCATION (IFC)	CLASS I
ENV. DATA	MINIMUM DEPTH OF COVER	3' 4'
	AC MITIGATION	
STATIONS	WATERBODY/WETLAND CROSSINGS	2955+00 2955+00
	WATERBODY/WETLAND LENGTH	
THREATENED AND ENDANGERED SPECIES		

BILL OF MATERIALS				MISCELLANEOUS MATERIALS				GENERAL INFORMATION				LEGEND				REVISIONS				APPROVALS																																							
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P1					36" O.D. x 0.520" W.T., API 5L X70, PSL2, DSAW, 14-16 MILS FBE						<ul style="list-style-type: none"> <li>HDD</li> <li>BORE</li> <li>LINE PIPE</li> <li>3R RAD FIT</li> <li>INDUCTION BEND</li> <li>TRANSITION PIPE</li> <li>CONT. CONC. COAT.</li> <li>SET-ON WEIGHTS</li> <li>WARNING SIGN</li> <li>MATERIAL ITEM</li> <li>AERIAL MARKER</li> <li>CP TEST STATION</li> <li>BV MOV / BV &amp; CV</li> <li>PIPELINE MARKER</li> <li>PIPELINE MILEPOST</li> <li>ANODE BED</li> </ul>	<ul style="list-style-type: none"> <li>PIPELINE CENTERLINE</li> <li>FENCE</li> <li>POWER LINE</li> <li>TELEPHONE LINE</li> <li>WATERLINE</li> <li>SEWER LINE</li> <li>BURIED CABLE</li> <li>UTILITY LINE</li> <li>GENERAL SURVEY</li> <li>FOREIGN PIPELINE</li> <li>RAILROAD</li> <li>HIGHWAY / ROAD</li> <li>PERMANENT ACCESS ROAD</li> <li>COUNTY BOUNDARY</li> <li>ROW PARCEL</li> <li>PLSS SECTION LINE</li> <li>TRAP</li> <li>WATER WELL</li> <li>HDD ENTRY / EXIT</li> </ul>				<ul style="list-style-type: none"> <li>PERMANENT EASEMENT</li> <li>NON FORESTED WETLAND</li> <li>FORESTED WETLAND</li> <li>WATERBODY</li> <li>PARCEL NUMBER</li> <li>WETLAND / WATERBODY NAME</li> <li>POINT OF INTERSECTION (PI) HORIZONTAL</li> <li>POINT OF INTERSECTION (PI) VERTICAL</li> <li>SPREAD BREAK</li> </ul>				<table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV BY</th> <th>CHK BY</th> <th>APP BY</th> </tr> <tr> <td>0</td> <td>ISSUE FOR AS-BUILT</td> <td>07/28/2017</td> <td>AG</td> <td>MJ</td> <td>JB</td> </tr> </table>				NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY	0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB	<table border="1"> <tr> <th colspan="2">DRAWN BY:</th> <th>AG</th> <th colspan="2">CONSTRUCTION PERMIT NO.</th> </tr> <tr> <td colspan="2">CHECKED BY:</td> <td>MJ <td colspan="2">MAINTENANCE OPERATION REGION</td> </td></tr> <tr> <td colspan="2">PROJECT MANAGER:</td> <td>JB <td colspan="2">MIN. TEST PRESSURE 2160 PSI</td> </td></tr> <tr> <td colspan="2">PROJECT DEF. NO.</td> <td></td> <td colspan="2">DESIGN PRESSURE 1440 PSI</td> </tr> </table>				DRAWN BY:		AG	CONSTRUCTION PERMIT NO.		CHECKED BY:		MJ <td colspan="2">MAINTENANCE OPERATION REGION</td>	MAINTENANCE OPERATION REGION		PROJECT MANAGER:		JB <td colspan="2">MIN. TEST PRESSURE 2160 PSI</td>	MIN. TEST PRESSURE 2160 PSI		PROJECT DEF. NO.			DESIGN PRESSURE 1440 PSI	
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<b>TRACT</b>	2019.1 THE LATT MAXCY CORPORATION 2.841" 3000+00 TO 3028+41	2020.1 THE LATT MAXCY CORPORATION 2.156" 3028+41 TO 3050+00
<b>PROFILE</b> HORIZ. 1" = 200' VERT. 1" = VARIES	GROUND PROFILE PIPE PROFILE	
<b>SCALE:</b> 1" = 200'	MATCH LINE 3000+00 MATCH LINE 3050+00	
<b>SURVEY DATA</b>	STATIONING 3010+22 FENCE CORNER LT 18" 3010+23 FENCE CORNER RT 14" 3010+24 FENCE CORNER RT 15" 3010+44 FENCE CORNER LT 18" 3047+45 FENCE CORNER LT 21"	
<b>ENGINEERING DATA</b>	MATERIAL 3010+28 3019+22 3019+74 3025+33 3025+63 3033+22 3033+77 3038+88 3038+41 3038+83 3038+83 3048+71	
<b>ENV. DATA</b>	STATIONS WATERBODY/WETLAND CROSSINGS WATERBODY/WETLAND LENGTH THREATENED AND ENDANGERED SPECIES	

BILL OF MATERIALS				MISCELLANEOUS MATERIALS				GENERAL INFORMATION						
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	SPECIAL NOTES			
P1					36" O.D. X 0.520" WT, API 5L, X70, PSL2, DSAW, 14-16 MILS FBE						1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. 2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0601 FEET, VERTICAL DATUM: NAVD 88.			
CONTINUOUS CONCRETE COATING								1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.						

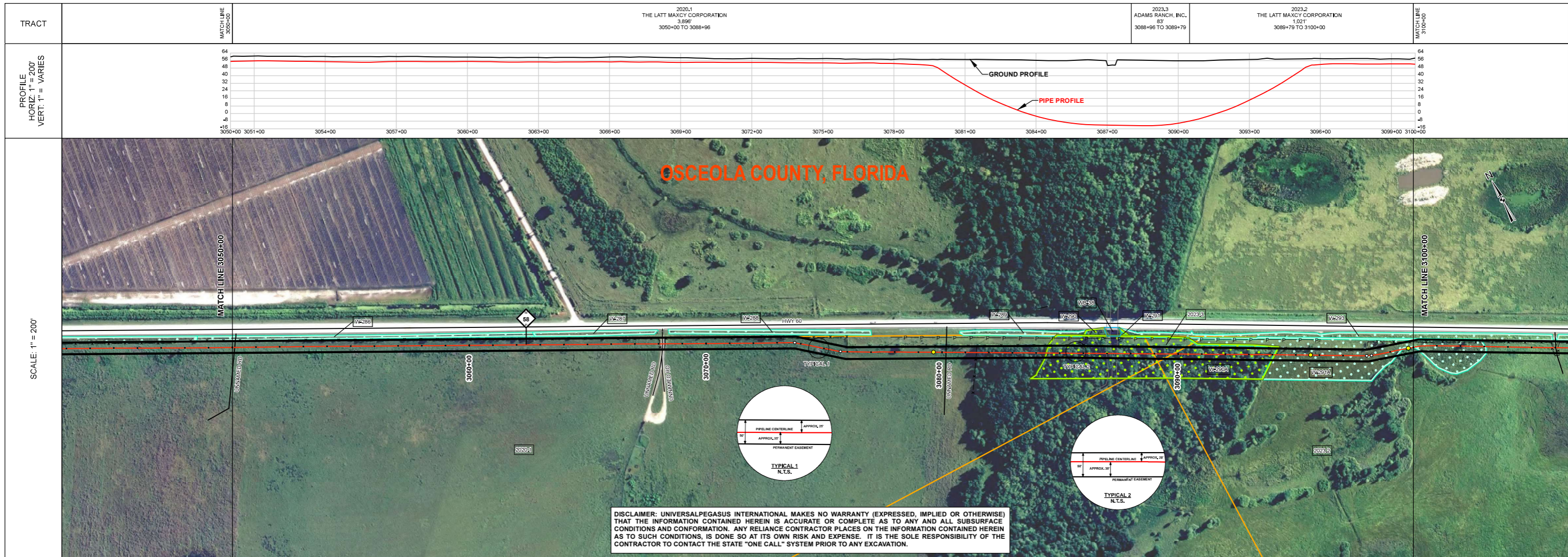
**LEGEND**

<ul style="list-style-type: none"> <li>— HOD</li> <li>— BORE</li> <li>— LINE PIPE</li> <li>— 3R RAD FIT</li> <li>— INDUCTION BEND</li> <li>— TRANSITION PIPE</li> <li>— CONT. CONC. COAT.</li> <li>— SET-ON WEIGHTS</li> <li>— WARNING SIGN</li> <li>— MATERIAL ITEM</li> <li>— AERIAL MARKER</li> <li>— CP TEST STATION</li> <li>— BV MOV / BV &amp; CV</li> <li>— PIPELINE MARKER</li> <li>— PIPELINE MILEPOST</li> <li>— ANODE BED</li> </ul>	<ul style="list-style-type: none"> <li>— PIPELINE CENTERLINE</li> <li>— FENCE</li> <li>— POWER LINE</li> <li>— TELEPHONE LINE</li> <li>— WATERLINE</li> <li>— SEWER LINE</li> <li>— BURIED CABLE</li> <li>— UTILITY LINE</li> <li>— GENERAL SURVEY</li> <li>— FOREIGN PIPELINE</li> <li>— RAILROAD</li> <li>— HIGHWAY / ROAD</li> <li>— PERMANENT ACCESS ROAD</li> <li>— COUNTY BOUNDARY</li> <li>— ROW PARCEL</li> <li>— PLS SECTION LINE</li> <li>— TRAP</li> <li>— WATER WELL</li> <li>— HDD ENTRY / EXIT</li> </ul>	<ul style="list-style-type: none"> <li>— PERMANENT EASEMENT</li> <li>— NON FORESTED WETLAND</li> <li>— FORESTED WETLAND</li> <li>— WATERBODY</li> <li>— PARCEL NUMBER</li> <li>— WETLAND / WATERBODY NAME</li> <li>— POINT OF INTERSECTION (PI) HORIZONTAL</li> <li>— POINT OF INTERSECTION (PI) VERTICAL</li> <li>— SPREAD BREAK</li> </ul>
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REVISIONS					APPROVALS		
NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY		
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB		
APPROVAL					COMPANY		
<b>FLORIDA SOUTHEAST CONNECTION PROJECT</b> STA: 3000+00 TO 3050+00      DISCIPLINE# 03 <b>FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET</b> OSCEOLA COUNTY, FLORIDA SCALE: 1" = 200' <b>23312-21398-507-ALS-10065-001</b> REV. 0							

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 Plot User: jrb





SURVEY DATA		STATIONING	
MATCH LINE 3050+00	3050+00 UNNAMED RD	MATCH LINE 3050+00	3050+00 UNNAMED RD
MATCH LINE 3100+00	3100+00 UNNAMED RD	MATCH LINE 3100+00	3100+00 UNNAMED RD

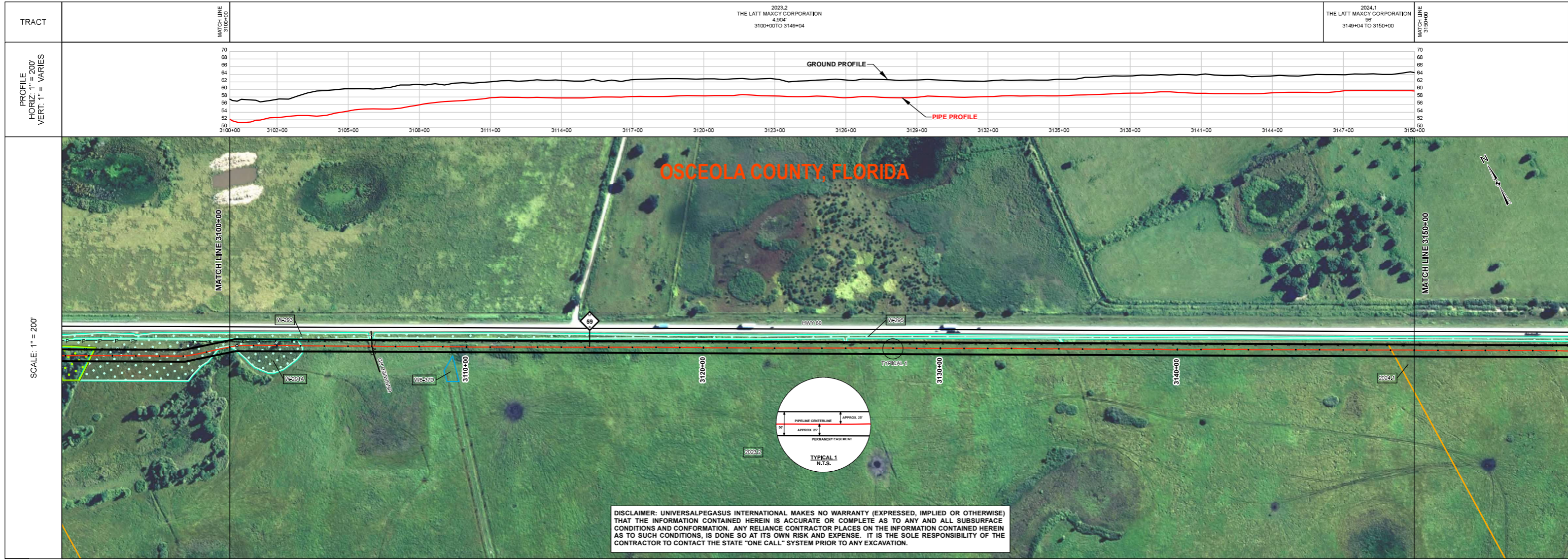
ENGINEERING DATA		MATERIAL	
3058+71	3058+03 3058+27	3072+92 3073+74	3075+70 3076+50 3079+05 3079+84 3080+04 3081+35
3084+18	3085+27 3085+37 3085+82 3086+12	3087+18 3088+00 3088+20 3089+40	3094+18 3095+27 3095+82 3096+12

ENV. DATA		STATIONS	
WATERBODY/WETLAND CROSSINGS	3089+08 3089+22	3089+08 3089+22	3089+08 3089+22
WATERBODY/WETLAND LENGTH			
THREATENED AND ENDANGERED SPECIES			

BILL OF MATERIALS				MISCELLANEOUS MATERIALS				GENERAL INFORMATION						
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. 2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0601 FEET, VERTICAL DATUM: NAVD 88.			
P1					36" O.D. x 0.520" WT, API 5L X70, PSL2, DSAW, 14-16 MILS FBE						<b>LEGEND</b> - - - - - HDD - - - - - BORE - - - - - LINE PIPE - - - - - 3R RAD FIT - - - - - INDUCTION BEND - - - - - TRANSITION PIPE - - - - - CONT. CONC. COAT. - - - - - SET-ON WEIGHTS - - - - - WARNING SIGN - - - - - MATERIAL ITEM - - - - - AERIAL MARKER - - - - - CP TEST STATION - - - - - BV MOV / BV & CV - - - - - PIPELINE MARKER - - - - - PIPELINE MILEPOST - - - - - ANODE BED - - - - - PIPELINE CENTERLINE - - - - - FENCE - - - - - POWER LINE - - - - - TELEPHONE LINE - - - - - WATERLINE - - - - - SEWER LINE - - - - - BURIED CABLE - - - - - UTILITY LINE - - - - - GENERAL SURVEY - - - - - FOREIGN PIPELINE - - - - - RAILROAD - - - - - HIGHWAY / ROAD - - - - - PERMANENT ACCESS ROAD - - - - - COUNTY BOUNDARY - - - - - ROW PARCEL - - - - - PLS SECTION LINE - - - - - TRAP - - - - - WATER WELL - - - - - HDD ENTRY / EXIT - - - - - PERMANENT EASEMENT - - - - - NON FORESTED WETLAND - - - - - FORESTED WETLAND - - - - - WATERBODY - - - - - WETLAND / WATERBODY NAME - - - - - PARCEL NUMBER - - - - - WETLAND / WATERBODY NAME - - - - - POINT OF INTERSECTION (PI) HORIZONTAL - - - - - POINT OF INTERSECTION (PI) VERTICAL - - - - - SPREAD BREAK			
P4					36" O.D. x 0.750" WT, API 5L X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARC									
P5					36" O.D. x 0.625" WT, API 5L X70, PSL2, DSAW, 14-16 MILS FBE									
CONTINUOUS CONCRETE COATING											SPECIAL NOTES			
QTY UOM REQ'N NUMBER MATERIAL NUMBER DESCRIPTION											1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.			

REVISIONS				APPROVALS			
NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY	DRAWN BY:	AG
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB	CHECKED BY:	MJ
				PROJECT MANAGER: JB			
				PROJECT DEF. NO.			
				APPROVAL COMPANY			
				ENVIRONMENTAL			
				LAND			
				FLORIDA SOUTHEAST CONNECTION PROJECT			
				STA: 3050+00 TO 3100+00 DISCIPLINE# 03			
				FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET			
				OSCEOLA COUNTY, FLORIDA			
				SCALE: 1" = 200'			
				23312-21398-507-ALS-10066-001			
				REV. 0			



SURVEY DATA		STATIONING	
ENGINEERING DATA		MATERIAL	
ENV. DATA		STATIONS	
REFERENCE DRAWING		CLASS I	
CLASS LOCATION (IFC)		MINIMUM DEPTH OF COVER	
AC MITIGATION		THREATENED AND ENDANGERED SPECIES	

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
P1					36" O.D. x 0.520" WT, API 5L, X70, PSL2, DSAW, 14-16 MILS FBE					
CONTINUOUS CONCRETE COATING										

**GENERAL INFORMATION**

1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.

**SPECIAL NOTES**

1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.

**LEGEND**

- HDD BORE
- LINE PIPE
- 3R RAD FIT
- INDUCTION BEND
- TRANSITION PIPE
- CONT. CONC. COAT.
- SET-ON WEIGHTS
- WARNING SIGN
- MATERIAL ITEM
- AERIAL MARKER
- CP TEST STATION
- BV MOV / BV & CV
- PIPELINE MARKER
- PIPELINE MILEPOST
- ANODE BED
- PIPELINE CENTERLINE
- FENCE
- POWER LINE
- TELEPHONE LINE
- WATERLINE
- SEWER LINE
- BURIED CABLE
- UTILITY LINE
- GENERAL SURVEY
- FOREIGN PIPELINE
- RAILROAD
- HIGHWAY / ROAD
- PERMANENT ACCESS ROAD
- COUNTY BOUNDARY
- ROW PARCEL
- PLSS SECTION LINE
- TRAP
- WATER WELL
- HDD ENTRY / EXIT
- PERMANENT EASEMENT
- NON FORESTED WETLAND
- FORESTED WETLAND
- WATERBODY
- PARCEL NUMBER WETLAND / WATERBODY NAME
- POINT OF INTERSECTION (P) HORIZONTAL
- POINT OF INTERSECTION (P) VERTICAL
- SPREAD BREAK

**REVISIONS**

NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB

**APPROVALS**

DRAWN BY: AG  
 CHECKED BY: MJ  
 PROJECT MANAGER: JB

CONSTRUCTION PERMIT NO.  
 MAINTENANCE OPERATION REGION  
 MIN. TEST PRESSURE 2160 PSI  
 DESIGN PRESSURE 1440 PSI

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 A Subsidiary of Huntington Ingalls Industries

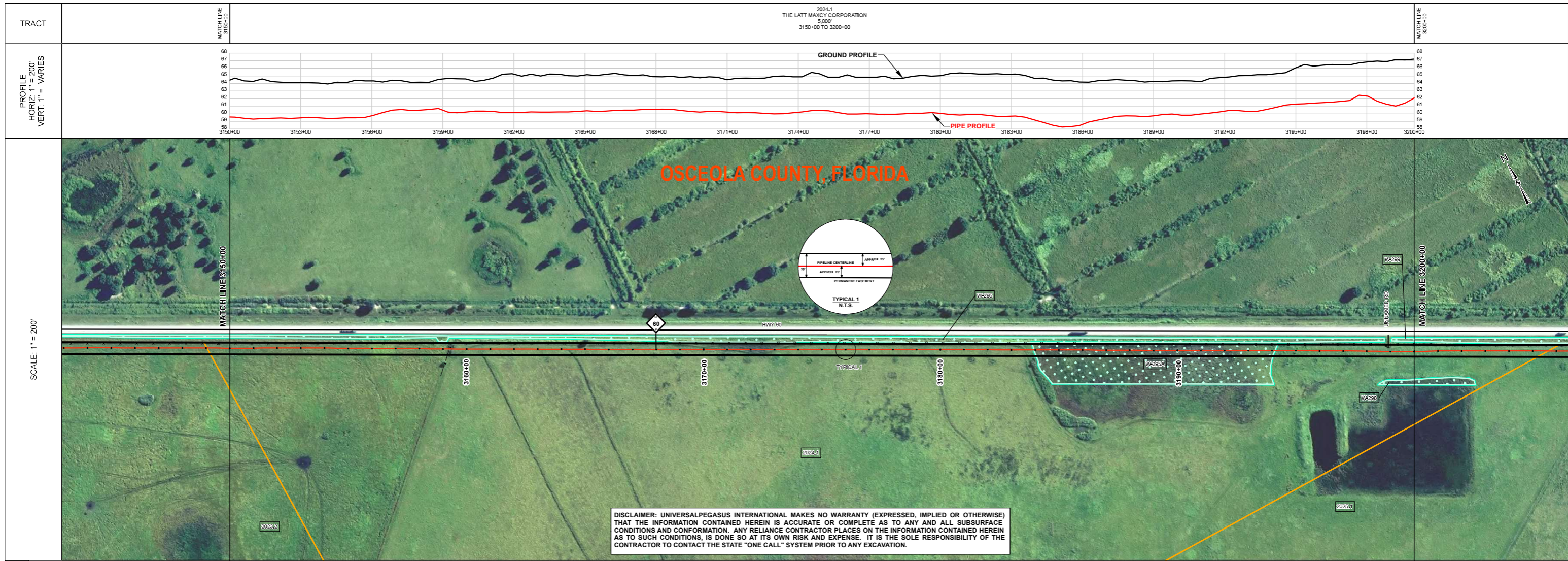
**FLORIDA SOUTHEAST CONNECTION**

FLORIDA SOUTHEAST CONNECTION PROJECT  
 STA: 3100+00 TO 3150+00  
 DISCIPLINE# 03

**FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET**  
 OSCEOLA COUNTY, FLORIDA

SCALE: 1" = 200'  
**23312-21398-507-ALS-10067-001**  
 REV. 0

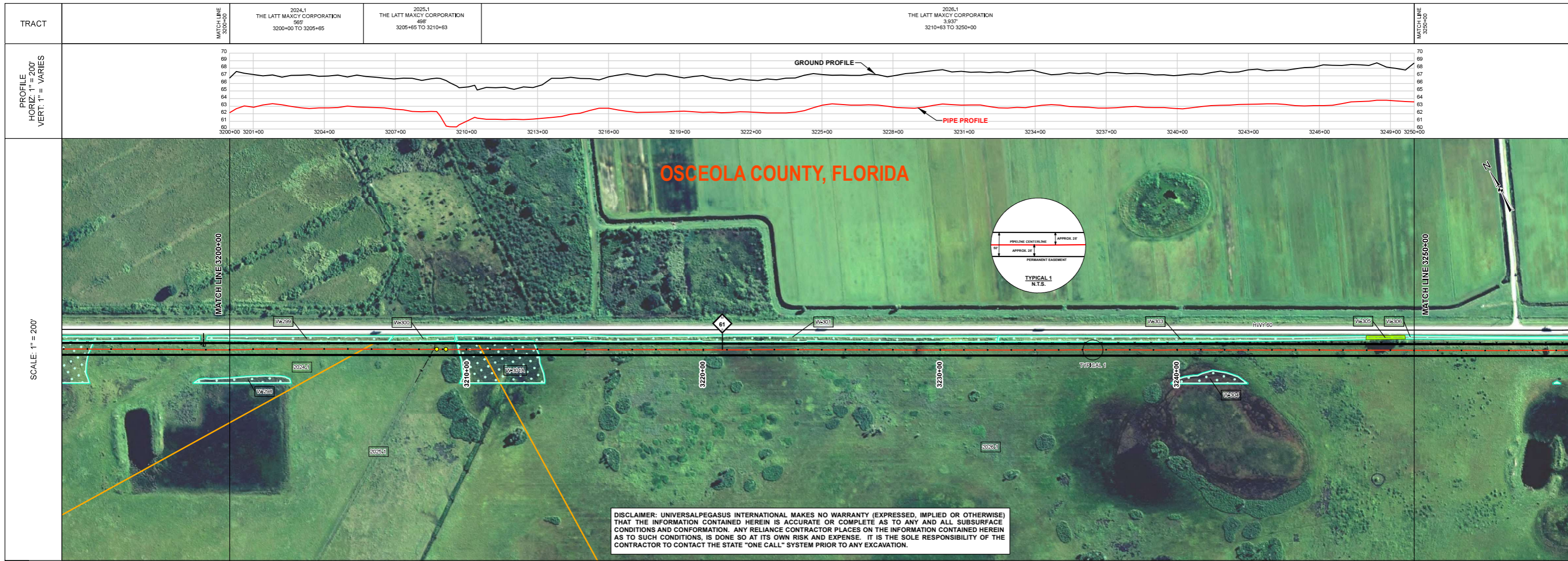
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SURVEY DATA		STATIONING	
ENGINEERING DATA		MATERIAL	
REFERENCE DRAWING			
CLASS LOCATION (IFC)			
MINIMUM DEPTH OF COVER		3'	4'
AC MITIGATION			
ENV. DATA		STATIONS	
WATERBODY/WETLAND CROSSINGS			
WATERBODY/WETLAND LENGTH			
THREATENED AND ENDANGERED SPECIES			

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					GENERAL INFORMATION		LEGEND		REVISIONS				APPROVALS																														
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. 2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.		<b>LEGEND</b> -x- BORE - - - LINE PIPE - - - 3R RAD FIT - - - INDUCTION BEND - - - TRANSITION PIPE - - - CONT. CONC. COAT. - - - SET-ON WEIGHTS - - - WARNING SIGN - - - MATERIAL ITEM - - - AERIAL MARKER - - - CP TEST STATION - - - BV MOV / BV & CV - - - PIPELINE MARKER - - - PIPELINE MILEPOST - - - ANODE BED - - - PIPELINE CENTERLINE - - - FENCE - - - POWER LINE - - - TELEPHONE LINE - - - WATERLINE - - - SEWER LINE - - - BURIED CABLE - - - UTILITY LINE - - - GENERAL SURVEY - - - FOREIGN PIPELINE - - - RAILROAD - - - HIGHWAY / ROAD - - - PERMANENT ACCESS ROAD - - - COUNTY BOUNDARY - - - ROW PARCEL - - - PLS SECTION LINE - - - TRAP - - - WATER WELL - - - HDD ENTRY / EXIT - - - PERMANENT EASEMENT - - - NON FORESTED WETLAND - - - FORESTED WETLAND - - - WATERBODY - - - WETLAND / WATERBODY NAME - - - PARCEL NUMBER - - - WETLAND / WATERBODY NAME - - - POINT OF INTERSECTION (PI) HORIZONTAL - - - POINT OF INTERSECTION (PI) VERTICAL - - - SPREAD BREAK		<b>REVISIONS</b> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV BY</th> <th>CHK BY</th> <th>APP BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUE FOR AS-BUILT (UPDATED SURVEY)</td> <td>10/28/2017</td> <td>NH</td> <td>MJ</td> <td>JB</td> </tr> <tr> <td>0</td> <td>ISSUE FOR AS-BUILT</td> <td>07/28/2017</td> <td>AG</td> <td>MJ</td> <td>JB</td> </tr> </tbody> </table>				NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY	1	ISSUE FOR AS-BUILT (UPDATED SURVEY)	10/28/2017	NH	MJ	JB	0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB	<b>APPROVALS</b> <table border="1"> <thead> <tr> <th>ENVIRONMENTAL</th> <th>LAND</th> <th>APPROVAL</th> <th>COMPANY</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				ENVIRONMENTAL	LAND	APPROVAL	COMPANY				
NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY																																											
1	ISSUE FOR AS-BUILT (UPDATED SURVEY)	10/28/2017	NH	MJ	JB																																											
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB																																											
ENVIRONMENTAL	LAND	APPROVAL	COMPANY																																													
<b>CONTINUOUS CONCRETE COATING</b> <table border="1"> <thead> <tr> <th>QTY</th> <th>UOM</th> <th>REQ'N NUMBER</th> <th>MATERIAL NUMBER</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>											QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION						<b>SPECIAL NOTES</b> 1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.		<b>FLORIDA SOUTHEAST CONNECTION PROJECT</b> STA: 3150+00 TO 3200+00 DISCIPLINE#: 03 <b>FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET</b> OSCEOLA COUNTY, FLORIDA SCALE: 1" = 200' <b>23312-21398-507-ALS-10068-001</b> REV. 1																									
QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION																																												

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 Plot User: nh  
 Plot Scale: 1" = 200'



TRACT	2024,1 THE LATT MAXCY CORPORATION 565 3200+00 TO 3205+65	2025,1 THE LATT MAXCY CORPORATION 498 3205+65 TO 3210+63	2026,1 THE LATT MAXCY CORPORATION 3,937 3210+63 TO 3250+00
PROFILE HORIZ. 1" = 200' VERT. 1" = VARIES	GROUND PROFILE PIPE PROFILE		
SCALE: 1" = 200'	OSCEOLA COUNTY, FLORIDA		
SURVEY DATA	STATIONING		
ENGINEERING DATA	MATERIAL		
ENV. DATA	STATIONS		

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
P1					36" O.D. x 0.520" W.T. API 5L X70 PSL2 DSAW 14-16 MILS FBE					
CONTINUOUS CONCRETE COATING										
SPECIAL NOTES					1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.					

**GENERAL INFORMATION**

1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

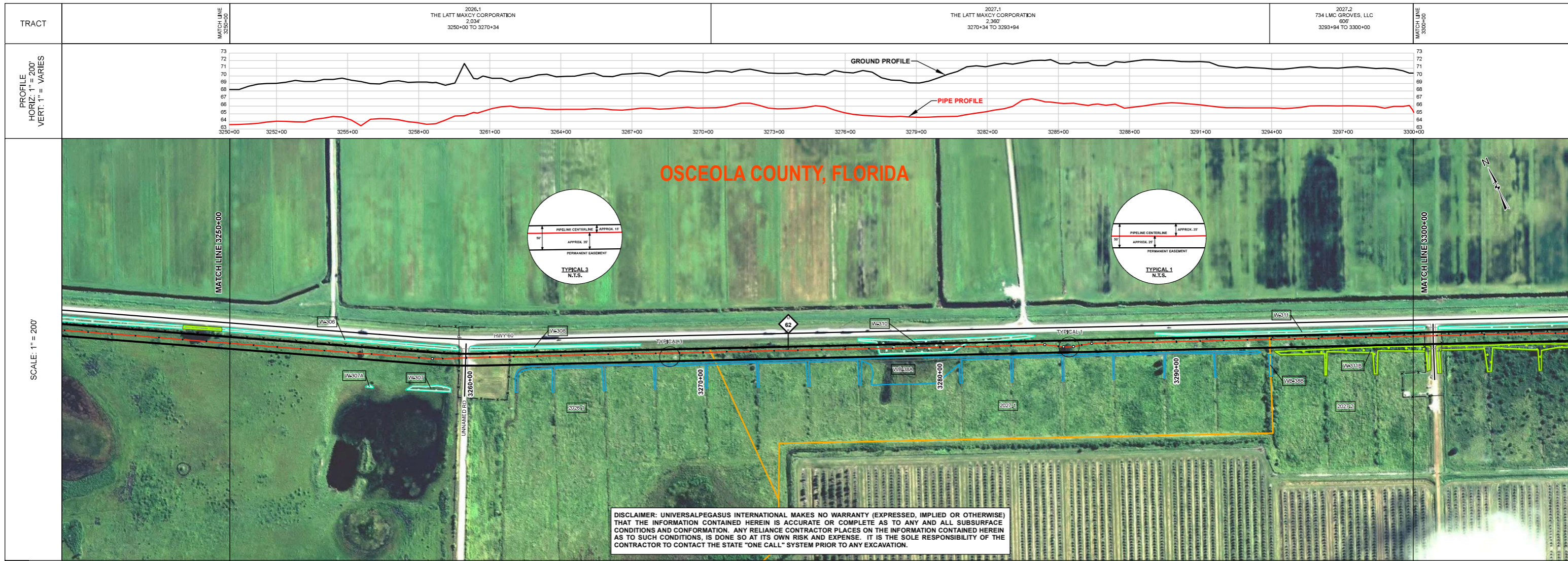
2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.

LEGEND	
—	HDD BORE
—	LINE PIPE
—	3R RAD FIT
—	INDUCTION BEND
—	TRANSITION PIPE
—	CONT. CONC. COAT.
—	SET-ON WEIGHTS
⊕	WARNING SIGN
⊙	MATERIAL ITEM
⊕	AERIAL MARKER
⊕	CP TEST STATION
⊕	BV MOV / BV & CV
⊕	PIPELINE MARKER
⊕	PIPELINE MILEPOST
⊕	ANODE BED
—	PIPELINE CENTERLINE
—	FENCE
—	POWER LINE
—	TELEPHONE LINE
—	WATERLINE
—	SEWER LINE
—	BURIED CABLE
—	UTILITY LINE
—	GENERAL SURVEY
—	FOREIGN PIPELINE
—	RAILROAD
—	HIGHWAY / ROAD
—	PERMANENT ACCESS ROAD
—	COUNTY BOUNDARY
—	ROW PARCEL
—	PLSS SECTION LINE
—	TRAP
⊕	WATER WELL
⊕	HDD ENTRY / EXIT
—	PERMANENT EASEMENT
—	NON FORESTED WETLAND
—	FORESTED WETLAND
—	WATERBODY
—	PARCEL NUMBER
—	WETLAND / WATERBODY NAME
⊕	POINT OF INTERSECTION (PI) HORIZONTAL
⊕	POINT OF INTERSECTION (PI) VERTICAL
—	SPREAD BREAK

REVISIONS				
NO.	DESCRIPTION	DATE	REV BY	CHK APP BY
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ JB

APPROVALS		
DRAWN BY:	AG	CONSTRUCTION PERMIT NO.
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION
PROJECT MANAGER:	JB	MIN. TEST PRESSURE 2160 PSI
PROJECT DEF. NO.		DESIGN PRESSURE 1440 PSI
<b>FLORIDA SOUTHEAST CONNECTION PROJECT</b> STA: 3200+00 TO 3250+00      DISCIPLINE# 03		
<b>FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET</b> OSCEOLA COUNTY, FLORIDA		
SCALE: 1" = 200'	<b>23312-21398-507-ALS-10069-001</b>	REV. 0

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SURVEY DATA		STATIONING		MATCH LINE 3250+00		MATCH LINE 3300+00	
ENGINEERING DATA		MATERIAL		MATCH LINE 3250+00		MATCH LINE 3300+00	
REFERENCE DRAWING							
CLASS LOCATION (IFC)							
MINIMUM DEPTH OF COVER		3		4		3	
AC MITIGATION							
ENV. DATA		STATIONS		3254+72		3256+52	
WATERBODY/WETLAND CROSSINGS							
WATERBODY/WETLAND LENGTH							
THREATENED AND ENDANGERED SPECIES							

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
P1					36" O.D. x 0.520" WT. API 5L X70 PSL2 DSAW 14-16 MILS FBE					
P3					36" O.D. x 0.625" WT. API 5L X70 PSL2 DSAW 14-16 MILS FBE & 24-30 MILS ARO					
CONTINUOUS CONCRETE COATING										
	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION					

**GENERAL INFORMATION**

1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.

**SPECIAL NOTES**

1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.

**LEGEND**

- HDD BORE LINE PIPE
- 3R RAD FIT
- INDUCTION BEND
- TRANSITION PIPE
- CONT. CONC. COAT.
- SET-ON WEIGHTS
- WARNING SIGN
- MATERIAL ITEM
- AERIAL MARKER
- CP TEST STATION
- BV MOV / BV & CV
- PIPELINE MARKER
- PIPELINE MILEPOST
- ANODE BED
- PIPELINE CENTERLINE
- FENCE
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- UTILITY LINE
- GENERAL SURVEY
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- RAILROAD
- HIGHWAY / ROAD
- PERMANENT ACCESS ROAD
- COUNTY BOUNDARY
- ROW PARCEL
- PLSS SECTION LINE
- TRAP
- WATER WELL
- HDD ENTRY / EXIT
- PERMANENT EASEMENT
- NON FORESTED WETLAND
- FORESTED WETLAND
- WATERBODY
- PARCEL NUMBER WETLAND / WATERBODY NAME
- POINT OF INTERSECTION (P) HORIZONTAL
- POINT OF INTERSECTION (P) VERTICAL
- SPREAD BREAK

**REVISIONS**

NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY
0	ISSUE FOR AS-BUILT	07/28/2017	AG	MJ	JB

**APPROVAL**      **COMPANY**

**APPROVALS**

DRAWN BY:	AG	CONSTRUCTION PERMIT NO.
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION
PROJECT MANAGER:	JB	MIN. TEST PRESSURE 2160 PSI
PROJECT DEF. NO.		DESIGN PRESSURE 1440 PSI

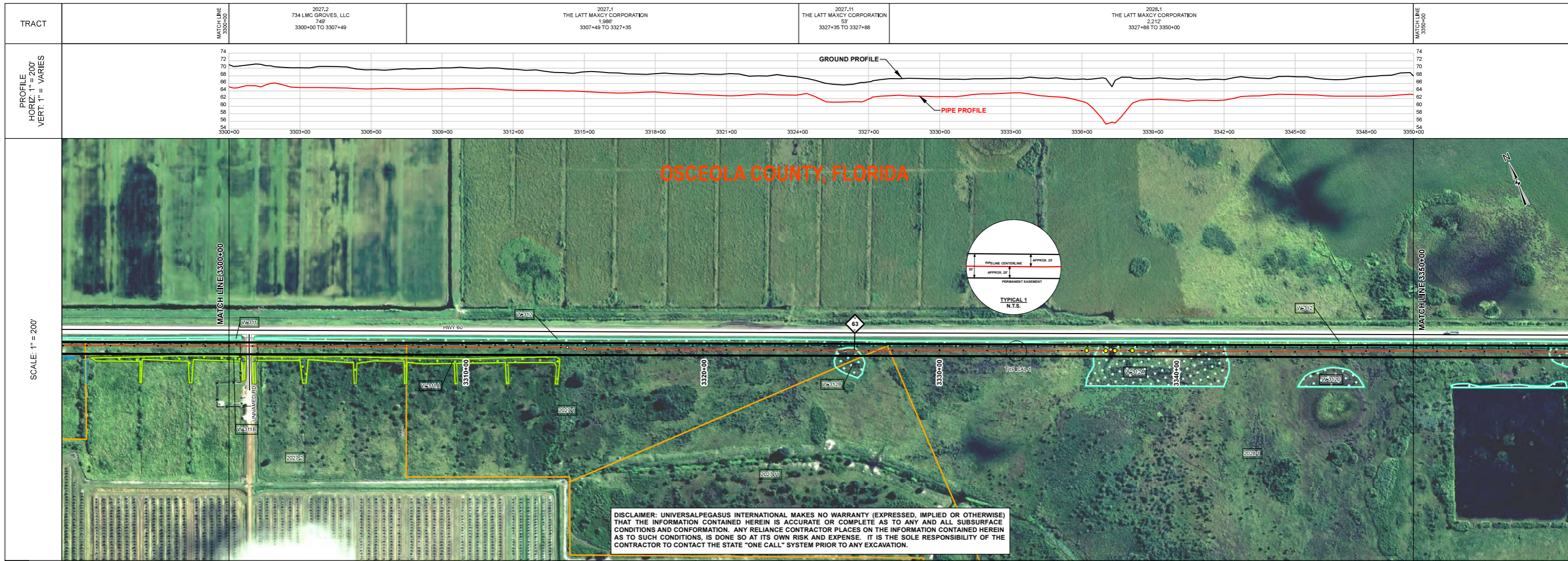
**UniversalPegasus INTERNATIONAL**  
A Subsidiary of Huntington Ingalls Industries

**FLORIDA SOUTHEAST CONNECTION**

FLORIDA SOUTHEAST CONNECTION PROJECT  
STA: 3250+00 TO 3300+00      DISCIPLINE# 03

**FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET**  
OSCEOLA COUNTY, FLORIDA

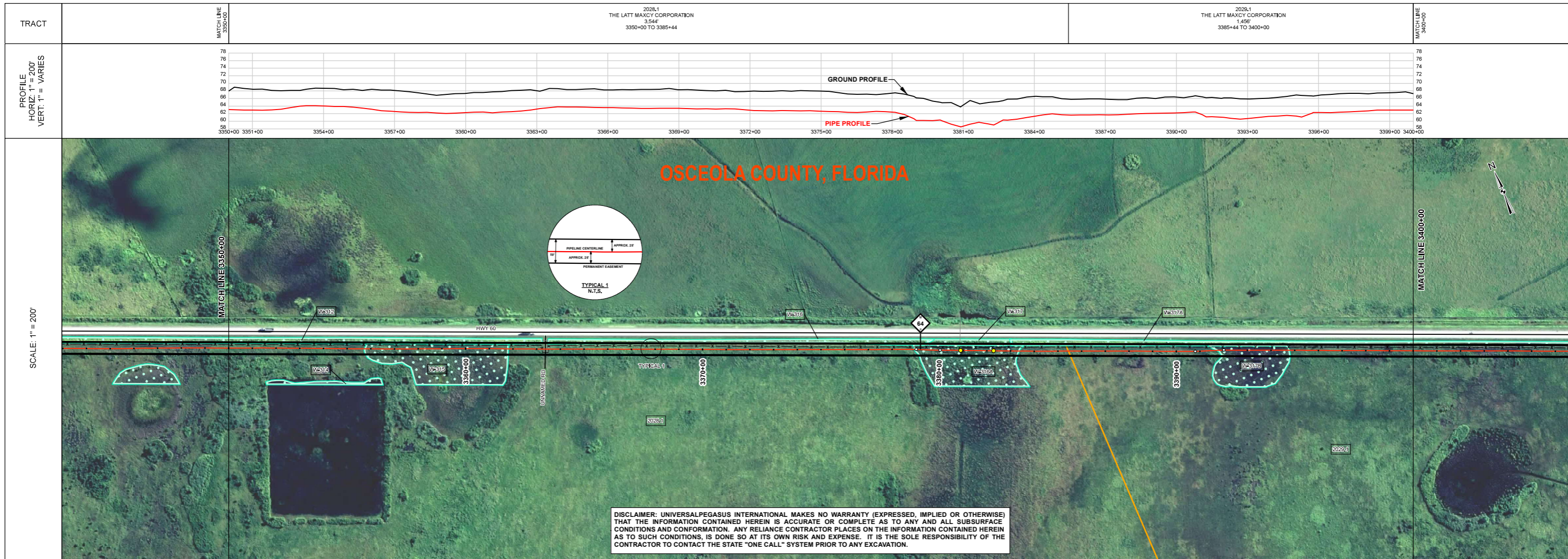
SCALE: 1" = 200'      **23312-21398-507-ALS-10070-001**      REV. 0



SURVEY DATA		STATIONING		MATCH LINE 3300+00		MATCH LINE 3350+00	
ENGINEERING DATA		MATERIAL		MATCH LINE 3300+00		MATCH LINE 3350+00	
REFERENCE DRAWING							
CLASS LOCATION (IFC)							
MINIMUM DEPTH OF COVER		3		4		3	
AC MITIGATION							
ENV. DATA		STATIONS		MATCH LINE 3300+00		MATCH LINE 3350+00	
WATERBODY/WETLAND CROSSINGS							
WATERBODY/WETLAND LENGTH							
THREATENED AND ENDANGERED SPECIES							

BILL OF MATERIALS				MISCELLANEOUS MATERIALS				GENERAL INFORMATION				LEGEND				REVISIONS				APPROVALS																																				
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. 2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0601 FEET, VERTICAL DATUM: NAVD 88.				<ul style="list-style-type: none"> <li>HDD</li> <li>BORE</li> <li>LINE PIPE</li> <li>3R RAD FIT</li> <li>INDUCTION BEND</li> <li>TRANSITION PIPE</li> <li>CONT. CONC. COAT.</li> <li>SET-ON WEIGHTS</li> <li>WARNING SIGN</li> <li>MATERIAL ITEM</li> <li>AERIAL MARKER</li> <li>CP TEST STATION</li> <li>BV MOV / BV &amp; CV</li> <li>PIPELINE MARKER</li> <li>PIPELINE MILEPOST</li> <li>ANODE BED</li> </ul>				<ul style="list-style-type: none"> <li>PIPELINE CENTERLINE</li> <li>FENCE</li> <li>POWER LINE</li> <li>TELEPHONE LINE</li> <li>WATERLINE</li> <li>SEWER LINE</li> <li>BURIED CABLE</li> <li>UTILITY LINE</li> <li>FOREIGN PIPELINE</li> <li>RAILROAD</li> <li>HIGHWAY / ROAD</li> <li>PERMANENT ACCESS ROAD</li> <li>COUNTY BOUNDARY</li> <li>ROW PARCEL</li> <li>PLSS SECTION LINE</li> <li>TRAP</li> <li>WATER WELL</li> <li>HDD ENTRY / EXIT</li> </ul>				<ul style="list-style-type: none"> <li>PERMANENT EASEMENT</li> <li>NON FORESTED WETLAND</li> <li>FORESTED WETLAND</li> <li>WATERBODY</li> <li>PARCEL NUMBER</li> <li>WETLAND / WATERBODY NAME</li> <li>POINT OF INTERSECTION (P) HORIZONTAL</li> <li>POINT OF INTERSECTION (P) VERTICAL</li> <li>SPREAD BREAK</li> </ul>				<table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV BY</th> <th>CHK BY</th> <th>APP BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>ISSUE FOR AS-BUILT</td> <td>08/11/2017</td> <td>AG</td> <td>MJ</td> <td>JB</td> </tr> </tbody> </table>				NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY	0	ISSUE FOR AS-BUILT	08/11/2017	AG	MJ	JB	<table border="1"> <thead> <tr> <th colspan="2">DRAWN BY:</th> <th>AG</th> <th colspan="2">CONSTRUCTION PERMIT NO.</th> </tr> <tr> <td colspan="2">CHECKED BY:</td> <td>MJ</td></tr></thead></table>				DRAWN BY:		AG	CONSTRUCTION PERMIT NO.		CHECKED BY:		MJ	MAINTENANCE OPERATION REGION	
NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY																																																			
0	ISSUE FOR AS-BUILT	08/11/2017	AG	MJ	JB																																																			
DRAWN BY:		AG	CONSTRUCTION PERMIT NO.																																																					
CHECKED BY:		MJ																																																						
PROJECT MANAGER:		JB <td colspan="2">MIN. TEST PRESSURE 2160 PSI</td>	MIN. TEST PRESSURE 2160 PSI																																																					
PROJECT DEF. NO.			DESIGN PRESSURE 1440 PSI																																																					

| | QTY                         | UOM | REQ'N NUMBER | MATERIAL NUMBER | DESCRIPTION | |-----------------------------|-----|--------------|-----------------|-------------| | CONTINUOUS CONCRETE COATING |     |              |                 |             | |                             |     |              |                 |             | | | | | | QTY | UOM | REQ'N NUMBER | MATERIAL NUMBER | DESCRIPTION | |-----|-----|--------------|-----------------|-------------| |     |     |              |                 |             | | | | | 1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS. | | | | 0 50 100 200 300 400 1 INCH = 200 FEET | | | | | DRAWN BY:        |  | AG                                                   | CONSTRUCTION PERMIT NO.      |  | |------------------|--|------------------------------------------------------|------------------------------|--| | CHECKED BY:      |  | MJ <td colspan="2">MAINTENANCE OPERATION REGION</td> | MAINTENANCE OPERATION REGION |  | | PROJECT MANAGER: |  | JB <td colspan="2">MIN. TEST PRESSURE 2160 PSI</td>  | MIN. TEST PRESSURE 2160 PSI  |  | | PROJECT DEF. NO. |  |                                                      | DESIGN PRESSURE 1440 PSI     |  | | | | |
| | QTY | UOM | REQ'N NUMBER | MATERIAL NUMBER | DESCRIPTION | |-----|-----|--------------|-----------------|-------------| |     |     |              |                 |             | | | | | | QTY | UOM | REQ'N NUMBER | MATERIAL NUMBER | DESCRIPTION | |-----|-----|--------------|-----------------|-------------| |     |     |              |                 |             | | | | | 1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS. | | | | 0 50 100 200 300 400 1 INCH = 200 FEET | | | | | DRAWN BY:        |  | AG                                                   | CONSTRUCTION PERMIT NO.      |  | |------------------|--|------------------------------------------------------|------------------------------|--| | CHECKED BY:      |  | MJ <td colspan="2">MAINTENANCE OPERATION REGION</td> | MAINTENANCE OPERATION REGION |  | | PROJECT MANAGER: |  | JB <td colspan="2">MIN. TEST PRESSURE 2160 PSI</td>  | MIN. TEST PRESSURE 2160 PSI  |  | | PROJECT DEF. NO. |  |                                                      | DESIGN PRESSURE 1440 PSI     |  | | | | |



SURVEY DATA		STATIONING	
ENGINEERING DATA		MATERIAL	
REFERENCE DRAWING			
CLASS LOCATION (IFC)		CLASS I	
MINIMUM DEPTH OF COVER		3	
AC MITIGATION		3	
ENV. DATA		STATIONS	
WATERBODY/WETLAND CROSSINGS		W-315	
WATERBODY/WETLAND LENGTH		602	
THREATENED AND ENDANGERED SPECIES			

BILL OF MATERIALS				MISCELLANEOUS MATERIALS				GENERAL INFORMATION						
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	SPECIAL NOTES			
P1					36" O.D. x 0.520" WT, API 5L X70 PSL2, DSAW, 14-16 MILS FBE						1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. 2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.			
CONTINUOUS CONCRETE COATING											1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.			

### LEGEND

- HDD
- BORE
- LINE PIPE
- 3R RAD FIT
- INDUCTION BEND
- TRANSITION BEND
- CONT. CONC. COAT.
- SET-ON WEIGHTS
- WARNING SIGN
- MATERIAL ITEM
- AERIAL MARKER
- CP TEST STATION
- BV MOV / BV & CV
- PIPELINE MARKER
- PIPELINE MILEPOST
- ANODE BED
- PIPELINE CENTERLINE
- FENCE
- POWER LINE
- TELEPHONE LINE
- WATERLINE
- SEWER LINE
- BURIED CABLE
- UTILITY LINE
- GENERAL SURVEY
- FOREIGN PIPELINE
- RAILROAD
- HIGHWAY / ROAD
- PERMANENT ACCESS ROAD
- COUNTY BOUNDARY
- ROW PARCEL
- PLSS SECTION LINE
- TRAP
- WATER WELL
- HDD ENTRY / EXIT
- PERMANENT EASEMENT
- NON FORESTED WETLAND
- FORESTED WETLAND
- WATERBODY
- PARCEL NUMBER
- WETLAND / WATERBODY NAME
- POINT OF INTERSECTION (PI) HORIZONTAL
- POINT OF INTERSECTION (PI) VERTICAL
- SPREAD BREAK

### REVISIONS

NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY
0	ISSUE FOR AS-BUILT	08/11/2017	AG	MJ	JB

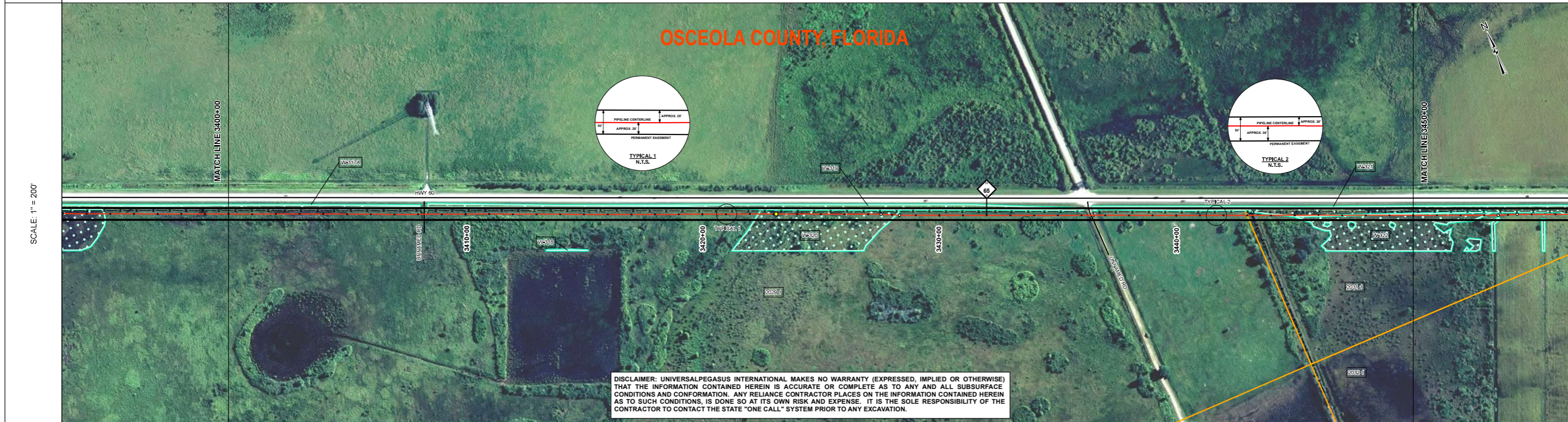
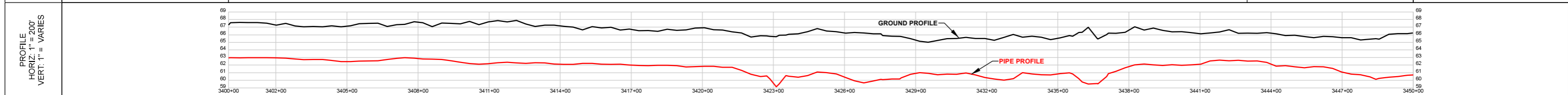
### APPROVALS

DRAWN BY:	AG	CONSTRUCTION PERMIT NO.
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION
PROJECT MANAGER:	JB	MIN. TEST PRESSURE 2160 PSI
PROJECT DEF. NO.		DESIGN PRESSURE 1440 PSI

**FLORIDA SOUTHEAST CONNECTION PROJECT**  
 STA: 3350+00 TO 3400+00      DISCIPLINE#: 03  
**FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET**  
 OSCEOLA COUNTY, FLORIDA  
 SCALE: 1" = 200'      **23312-21398-507-ALS-10072-001**      REV. 0

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 User: jbradley

TRACT  
 2029,1 THE LATT MAXCY CORPORATION 4.289' 3400+00 TO 3442+99  
 2031,1 FD DESTINY CREDIT, LLC 70.1' 3442+99 TO 3450+00



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SURVEY DATA		STATIONING	
MATCH LINE 3400+00		MATCH LINE 3400+00	
3400+00	3400+00	3400+00	3400+00
3410+00	3410+00	3410+00	3410+00
3420+00	3420+00	3420+00	3420+00
3430+00	3430+00	3430+00	3430+00
3440+00	3440+00	3440+00	3440+00
3450+00	3450+00	3450+00	3450+00

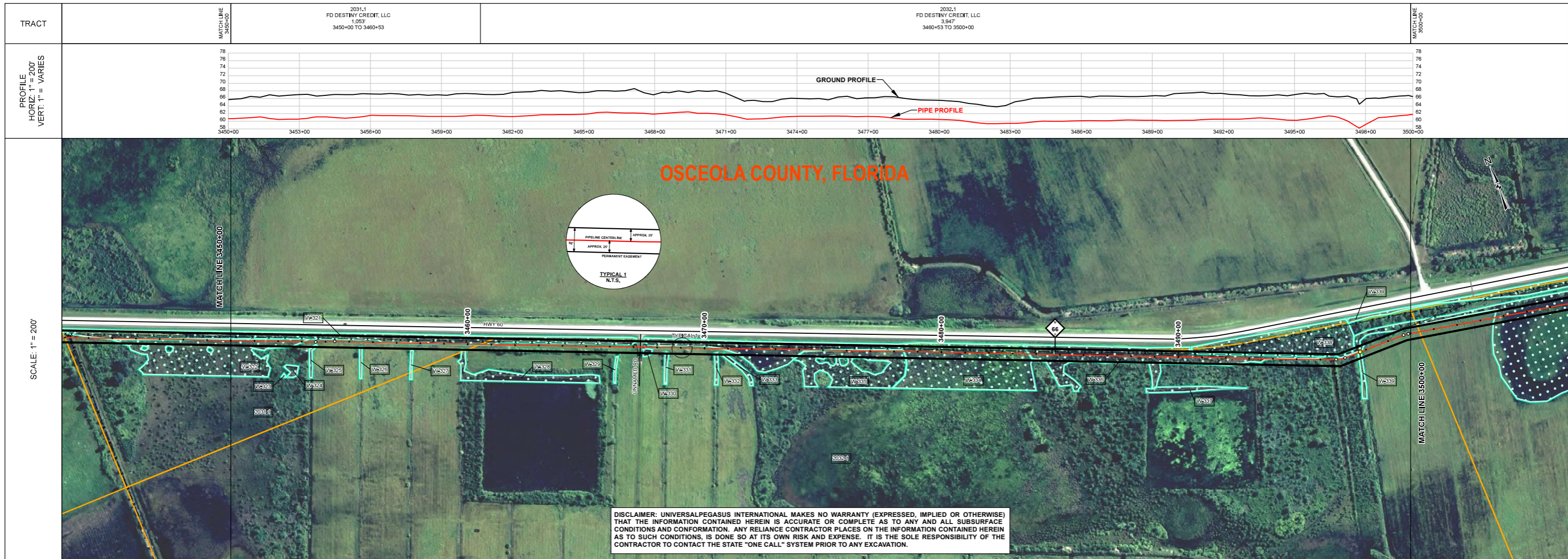
ENGINEERING DATA		MATERIAL	
MATCH LINE 3400+00		MATCH LINE 3400+00	
3403+74		3403+74	
3406+06		3406+06	
3407+46		3407+46	
3409+06		3409+06	
3413+74		3413+74	
3421+86		3421+86	
3422+38		3422+38	
3422+40		3422+40	
3426+74		3426+74	
3427+64		3427+64	
3427+65		3427+65	
3428+17		3428+17	
3431+32		3431+32	
3436+28		3436+28	
3443+23		3443+23	
3443+65		3443+65	

ENV. DATA		STATIONS	
MATCH LINE 3400+00		MATCH LINE 3400+00	
3407+46		3407+46	
3409+06		3409+06	
3422+37		3422+37	
3422+91		3422+91	
3423+32		3423+32	
3428+17		3428+17	
3432+99		3432+99	
3438+19		3438+19	
3439+46		3439+46	
3439+78		3439+78	
3444+62		3444+62	
3447+53		3447+53	

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					GENERAL INFORMATION					
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. 2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.				
P1					36" C.D. x 0.520" WT, API 5L, X70, PSL2, DSAW, 14-16 MILS FBE						<b>LEGEND</b> - - - - - HOD - - - - - BORE - - - - - LINE PIPE - - - - - 3R RAD FIT - - - - - INDUCTION BEND - - - - - TRANSITION PIPE - - - - - CONT. CONC. COAT. - - - - - SET-ON WEIGHTS - - - - - WARNING SIGN - - - - - MATERIAL ITEM - - - - - AERIAL MARKER - - - - - CP TEST STATION - - - - - BV MOV / BV & CV - - - - - PIPELINE MARKER - - - - - PIPELINE MILEPOST - - - - - ANODE BED - - - - - PIPELINE CENTERLINE - - - - - FENCE - - - - - POWER LINE - - - - - TELEPHONE LINE - - - - - WATER LINE - - - - - SEWER LINE - - - - - BURIED CABLE - - - - - UTILITY LINE - - - - - GENERAL SURVEY - - - - - FOREIGN PIPELINE - - - - - HIGHWAY / ROAD - - - - - PERMANENT ACCESS ROAD - - - - - COUNTY BOUNDARY - - - - - ROW PARCEL - - - - - PLS SECTION LINE - - - - - TRAP - - - - - WATER WELL - - - - - HDD ENTRY / EXIT - - - - - PERMANENT EASEMENT - - - - - NON FORESTED WETLAND - - - - - FORESTED WETLAND - - - - - WATERBODY - - - - - PARCEL NUMBER - - - - - WETLAND / WATERBODY NAME - - - - - POINT OF INTERSECTION (PI) HORIZONTAL - - - - - POINT OF INTERSECTION (PI) VERTICAL - - - - - SPREAD BREAK				

REVISIONS		APPROVALS			
NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY
1	ISSUE FOR AS-BUILT (UPDATED SURVEY)	10/28/2017	NH	MJ	JB
0	ISSUE FOR AS-BUILT	08/11/2017	AG	MJ	JB
APPROVAL			COMPANY		
ENVIRONMENTAL			LAND		
UNIVERSALPEGASUS INTERNATIONAL A Subsidiary of Huntington Ingalls Industries					
FLORIDA SOUTHEAST CONNECTION PROJECT STA: 3400+00 TO 3450+00 DISCIPLINE#: 03					
FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET OSCEOLA COUNTY, FLORIDA					
SCALE: 1" = 200'			23312-21398-507-ALS-10073-001		REV, 1





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SURVEY DATA	
STATIONING	DESCRIPTION
3453+59	PL - 2.6' LEFT
3454+38	PL - 2.6' RIGHT
3467+11	FENCE CORNER LT 12'
3467+14	FENCE CORNER RD
3467+42	FENCE
3467+44	FENCE CORNER LT 11'
3488+71	IRON PIPE LT 22'
3490+63	FENCE CORNER LT 15'
3495+54	FENCE CORNER LT 15'
3495+55	FENCE
3495+85	PL - 2.6' LEFT
3497+03	PL - 2.6' LEFT
3497+14	PL - 2.6' LEFT
3498+25	PL - 2.6' SAG
3499+01	PL - 2.6' RIGHT
3499+78	PL - 2.6' RIGHT

ENGINEERING DATA	
MATERIAL	STATIONING
CLASS I	3453+11, 3454+41, 3455+65, 3461+65, 3462+70, 3467+12, 3467+41, 3467+44, 3470+20, 3476+71, 3486+72, 3494+35, 3495+77, 3496+54, 3496+85, 3497+03, 3497+14, 3498+25, 3499+01, 3499+78

ENV. DATA	
STATIONS	DESCRIPTION
3453+04	W-322
3458+64	W-321
3460+69	W-334
3467+19	W-335
3467+38	W-334
3476+72	W-336
3478+14	W-336
3478+41	W-334
3483+68	W-339
3493+63	W-339
3497+03	W-339
3497+45	W-339
3497+89	W-339
3497+90	W-339

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
P1					36" O.D. x 0.520" WT, API 5L X70 PSL2, DSAW, 14-16 MILS FBE					
CONTINUOUS CONCRETE COATING										

**GENERAL INFORMATION**

1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.

**SPECIAL NOTES**

1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.

**LEGEND**

- HDD BORE
- LINE PIPE
- 3R RAD FIT
- INDUCTION BEND
- TRANSITION PIPE
- CONT. CONC. COAT.
- SET-ON WEIGHTS
- WARNING SIGN
- MATERIAL ITEM
- AERIAL MARKER
- CP TEST STATION
- BV MOV / BV & CV
- PIPELINE MARKER
- PIPELINE MILEPOST
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- PIPELINE CENTERLINE
- FENCE
- POWER LINE
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- GENERAL SURVEY
- FOREIGN PIPELINE
- RAILROAD
- HIGHWAY / ROAD
- PERMANENT ACCESS ROAD
- ROW PARCEL
- PLSS SECTION LINE
- TRAP
- WATER WELL
- HDD ENTRY / EXIT
- PERMANENT EASEMENT
- NON FORESTED WETLAND
- FORESTED WETLAND
- WATERBODY
- PARCEL NUMBER
- WETLAND / WATERBODY NAME
- POINT OF INTERSECTION (P) HORIZONTAL
- POINT OF INTERSECTION (P) VERTICAL
- SPREAD BREAK

**REVISIONS**

NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY
0	ISSUE FOR AS-BUILT	08/11/2017	AG	MJ	JB

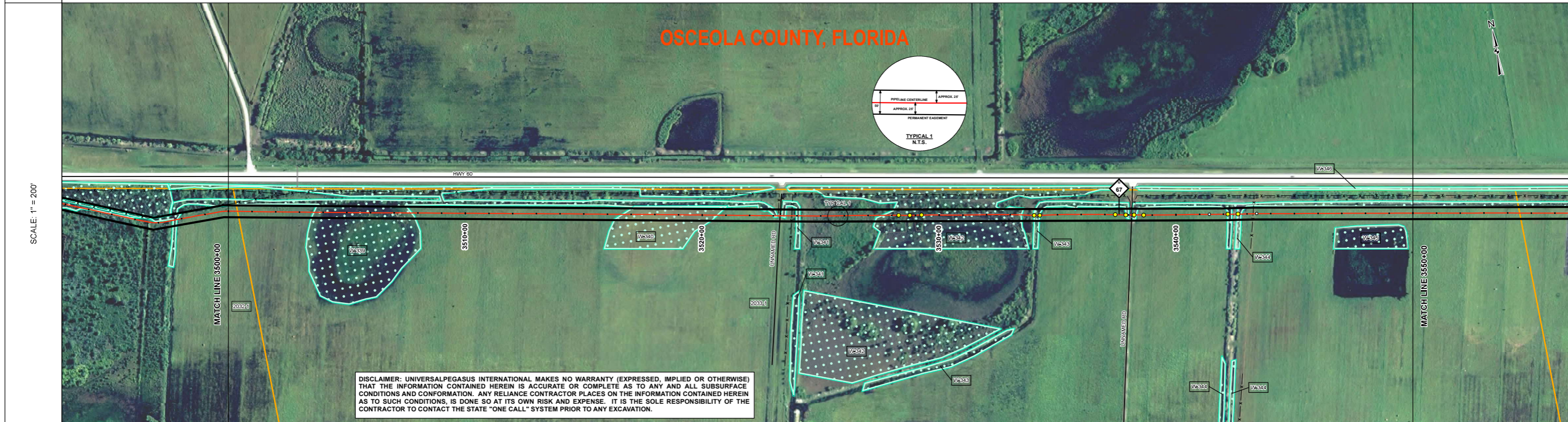
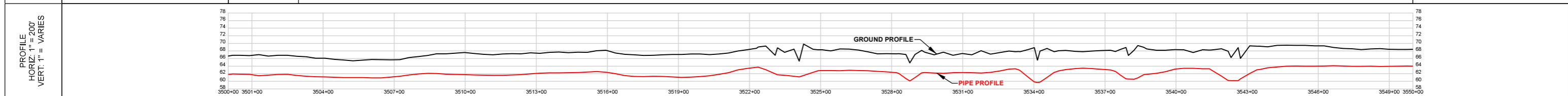
**APPROVALS**

DRAWN BY:	AG	CONSTRUCTION PERMIT NO.:	
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION:	
PROJECT MANAGER:	JB	MIN. TEST PRESSURE:	2160 PSI
PROJECT DEF. NO.:		DESIGN PRESSURE:	1440 PSI

**FLORIDA SOUTHEAST CONNECTION PROJECT**  
 STA: 3450+00 TO 3500+00      DISCIPLINE#: 03  
**FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET**  
 OSCEOLA COUNTY, FLORIDA  
 SCALE: 1" = 200'      **23312-21398-507-ALS-10074-001**      REV. 0

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 Plot Scale: 1:200

TRACT	2032.1 FD DESTINY CREDIT, LLC 36' 3500+00 TO 3500+39	2033.1 FD DESTINY CREDIT, LLC 4.561' 3500+39 TO 3550+00
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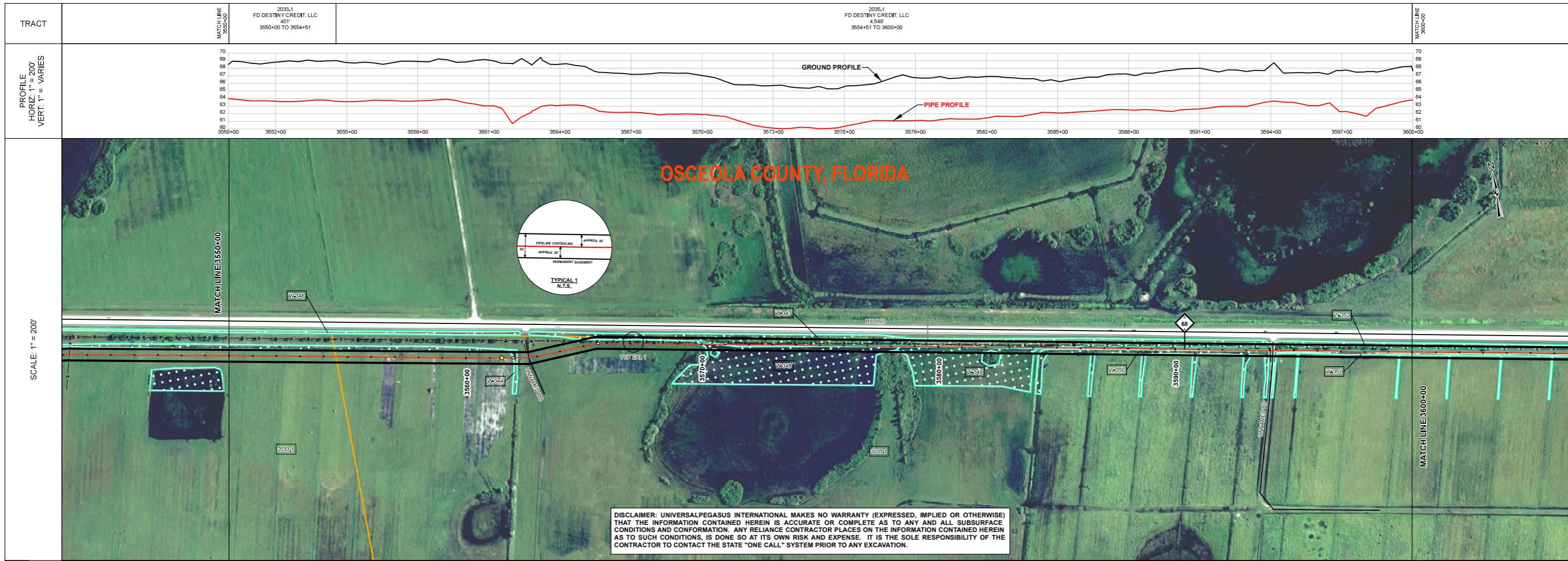


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SURVEY DATA	STATIONING	MATCH LINE 3500+00	3500+39	3501+12	3507+72	3508+22	3516+06	3516+07	3516+10	3521+21	3522+46	3524+63	3527+09	3527+61	3533+46	3534+72	3537+40	3538+05	3539+24	3539+69	3541+61	3543+28	3543+32	MATCH LINE 3550+00
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ENGINEERING DATA	MATERIAL	MATCH LINE 3500+00	3500+39	3501+12	3507+72	3508+22	3516+06	3516+07	3516+10	3521+21	3522+46	3524+63	3527+09	3527+61	3533+46	3534+72	3537+40	3538+05	3539+24	3539+69	3541+61	3543+28	3543+32	MATCH LINE 3550+00
ENV. DATA	STATIONS			3509+61	3507+72		3516+65			3520+42	3523+02	3523+14	3523+14	3523+14	3523+14	3523+14	3523+14	3523+14	3523+14	3523+14	3523+14	3523+14	3523+14	
	WATERBODY/WETLAND CROSSINGS			W-339	W-340		W-341			W-342	W-343	W-344	W-345	W-346	W-347	W-348	W-349	W-350	W-351	W-352	W-353	W-354		
	WATERBODY/WETLAND LENGTH			411'	397'																			
	THREATENED AND ENDANGERED SPECIES																							

BILL OF MATERIALS				MISCELLANEOUS MATERIALS				GENERAL INFORMATION				LEGEND				REVISIONS				APPROVALS																				
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QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION																																				



SURVEY DATA		STATIONING	
ENGINEERING DATA		MATERIAL	
ENV. DATA		STATIONS	
WATERBODY/WETLAND CROSSINGS		WATERBODY/WETLAND LENGTH	
THREATENED AND ENDANGERED SPECIES			

BILL OF MATERIALS				MISCELLANEOUS MATERIALS						
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
P1					36" O.D. x 0.520" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE					
CONTINUOUS CONCRETE COATING										

GENERAL INFORMATION	
1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.	
2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0601 FEET, VERTICAL DATUM: NAVD 88.	
SPECIAL NOTES	
1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.	

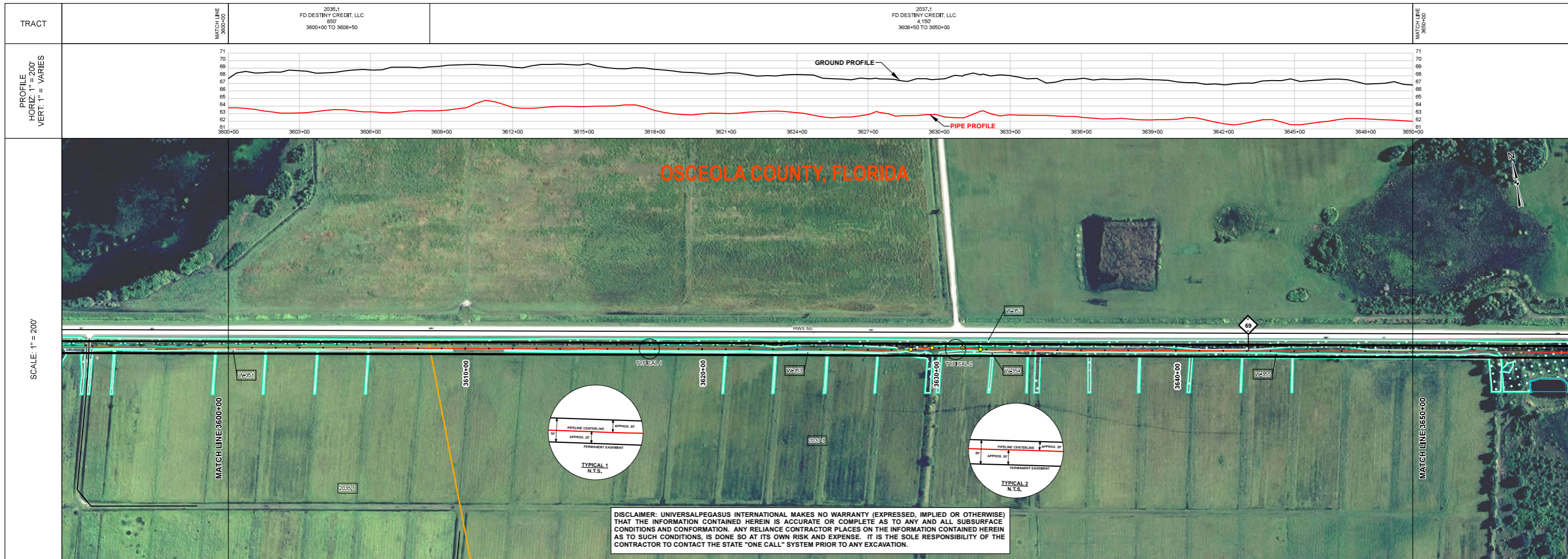
**LEGEND**

<ul style="list-style-type: none"> <li>— HOD</li> <li>— BORE</li> <li>— LINE PIPE</li> <li>— 3R RAD FIT</li> <li>— INDUCTION BEND</li> <li>— TRANSITION PIPE</li> <li>— CONT. CONC. COAT.</li> <li>— SET-ON WEIGHTS</li> <li>— WARNING SIGN</li> <li>— MATERIAL ITEM</li> <li>— AERIAL MARKER</li> <li>— CP TEST STATION</li> <li>— BV MOV / BV &amp; CV</li> <li>— PIPELINE MARKER</li> <li>— PIPELINE MILEPOST</li> <li>— ANODE BED</li> </ul>	<ul style="list-style-type: none"> <li>— PIPELINE CENTERLINE</li> <li>— FENCE</li> <li>— POWER LINE</li> <li>— TELEPHONE LINE</li> <li>— WATERLINE</li> <li>— SEWER LINE</li> <li>— BURIED CABLE</li> <li>— UTILITY LINE</li> <li>— GENERAL SURVEY</li> <li>— FOREIGN PIPELINE</li> <li>— RAILROAD</li> <li>— HIGHWAY / ROAD</li> <li>— PERMANENT ACCESS ROAD</li> <li>— COUNTY BOUNDARY</li> <li>— ROW PARCEL</li> <li>— PLS SECTION LINE</li> <li>— TRAP</li> <li>— WATER WELL</li> <li>— HDD ENTRY / EXIT</li> </ul>	<ul style="list-style-type: none"> <li>— PERMANENT EASEMENT</li> <li>— NON FORESTED WETLAND</li> <li>— FORESTED WETLAND</li> <li>— WATERBODY</li> <li>— PARCEL NUMBER</li> <li>— WETLAND / WATERBODY NAME</li> <li>— POINT OF INTERSECTION (PI) HORIZONTAL</li> <li>— POINT OF INTERSECTION (PI) VERTICAL</li> <li>— SPREAD BREAK</li> </ul>
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REVISIONS				
NO.	DESCRIPTION	DATE	REV BY	CHK BY
0	ISSUE FOR AS-BUILT	08/11/2017	AG	MJ

APPROVALS		
DRAWN BY:	AG	CONSTRUCTION PERMIT NO.
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION
PROJECT MANAGER:	JB	MIN. TEST PRESSURE 2160 PSI
PROJECT DEF. NO.		DESIGN PRESSURE 1440 PSI
<b>FLORIDA SOUTHEAST CONNECTION PROJECT</b> STA: 3550+00 TO 3600+00      DISCIPLINE# 03		
<b>FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET</b> OSCEOLA COUNTY, FLORIDA		
SCALE: 1" = 200'	<b>23312-21398-507-ALS-10076-001</b>	REV. 0

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 Date: 08/11/2017 10:00:00 AM



SURVEY DATA	STATIONING	

ENGINEERING DATA	MATERIAL	

ENV. DATA	STATIONS	
	WATERBODY/WETLAND CROSSINGS	
	WATERBODY/WETLAND LENGTH	
	THREATENED AND ENDANGERED SPECIES	

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
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CONTINUOUS CONCRETE COATING										

GENERAL INFORMATION	
1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.	
2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.	
SPECIAL NOTES	
1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.	

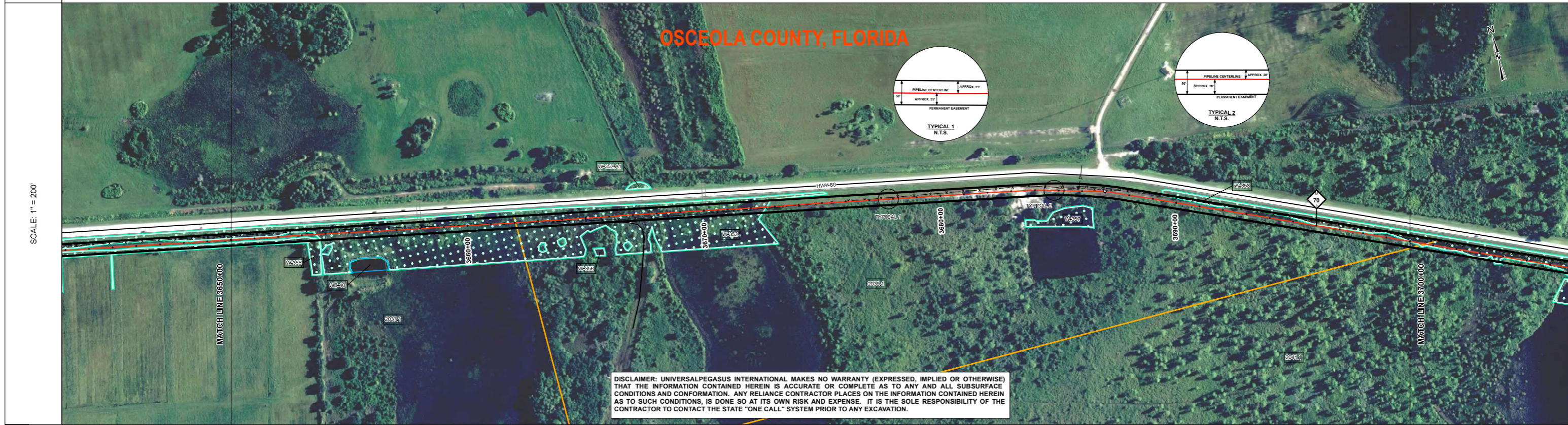
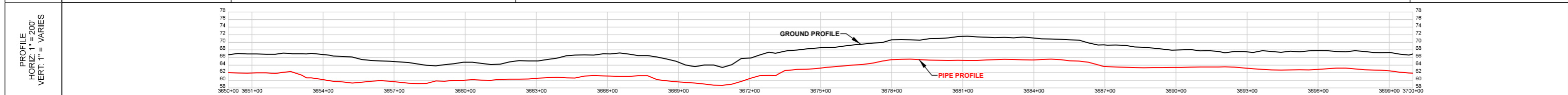
LEGEND		
	HDD	
	BORE	
	LINE PIPE	
	3R RAD FIT	
	INDUCTION BEND	
	TRANSITION PIPE	
	CONT. CONC. COAT.	
	SET-ON WEIGHTS	
	WARNING SIGN	
	MATERIAL ITEM	
	AERIAL MARKER	
	CP TEST STATION	
	BV/MOV/BV & CV	
	PIPELINE MARKER	
	PIPELINE MILEPOST	
	ANODE BED	
	PIPELINE CENTERLINE	
	FENCE	
	POWER LINE	
	TELEPHONE LINE	
	WATERLINE	
	SEWER LINE	
	BURIED CABLE	
	UTILITY LINE	
	GENERAL SURVEY	
	FOREIGN PIPELINE	
	HIGHWAY / ROAD	
	PERMANENT ACCESS ROAD	
	COUNTY BOUNDARY	
	ROW PARCEL	
	PLSS SECTION LINE	
	TRAP	
	WATER WELL	
	HDD ENTRY / EXIT	
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	NON FORESTED WETLAND	
	FORESTED WETLAND	
	WATERBODY	
	PARCEL NUMBER WETLAND / WATERBODY NAME	
	POINT OF INTERSECTION (PI) HORIZONTAL	
	POINT OF INTERSECTION (PI) VERTICAL	
	SPREAD BREAK	

REVISIONS				
NO.	DESCRIPTION	DATE	REV BY	CHK APP BY
0	ISSUE FOR AS-BUILT	08/11/2017	AG	MJ JB

APPROVALS		
DRAWN BY:	AG	CONSTRUCTION PERMIT NO.
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION
PROJECT MANAGER:	JB	MIN. TEST PRESSURE 2160 PSI
PROJECT DEF. NO.		DESIGN PRESSURE 1440 PSI
<b>FLORIDA SOUTHEAST CONNECTION PROJECT</b> STA: 3600+00 TO 3650+00      DISCIPLINE# 03		
<b>FLORIDA SOUTHEAST CONNECTION AS-BUILT ALIGNMENT SHEET</b> OSCEOLA COUNTY, FLORIDA		
SCALE: 1" = 200'	<b>23312-21398-507-ALS-10077-001</b>	REV. 0

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 Date: 08/11/2017 10:00:00 AM  
 User: jrb  
 Title: AS-BUILT ALIGNMENT SHEET

TRACT	2037.1 FD DESTINY CREDIT, LLC 1,203 3650+00 TO 3662+03	2036.1 FD DESTINY CREDIT, LLC 3,787 3662+03 TO 3700+00
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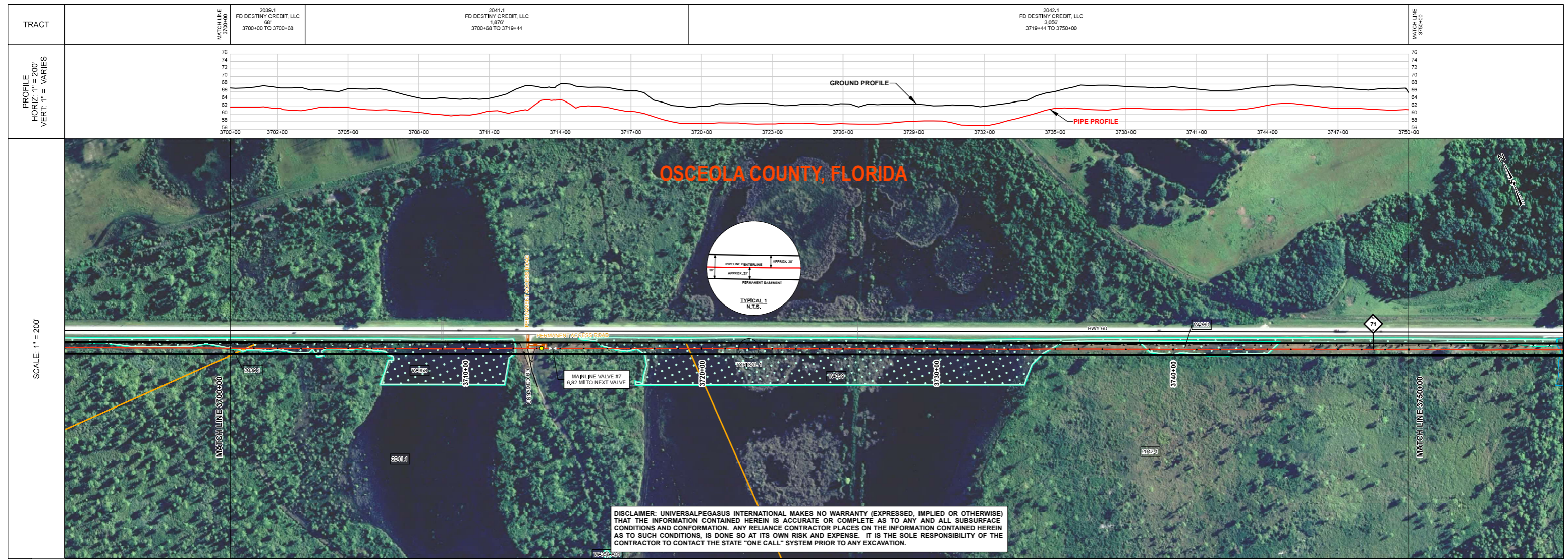


SURVEY DATA	STATIONING	3654+17 MONUMENT LT 24' 3661+53 FENCE 3675+48 FENCE 3683+15 3683+88 3684+60 3686+29 3686+95 3687+77 3688+28 GUY ANCHOR LT 24'
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ENGINEERING DATA	MATERIAL	3651+94 3653+59 3655+59 3655+64 3660+61 3665+02 3665+06 3674+64 3674+72 3670+28 3672+41 3672+52 3672+66 3673+62 3675+37 3675+40 3675+41 3685+15 3685+88 3684+60 3686+29 3686+95 3687+77 3688+28 GUY ANCHOR LT 24'
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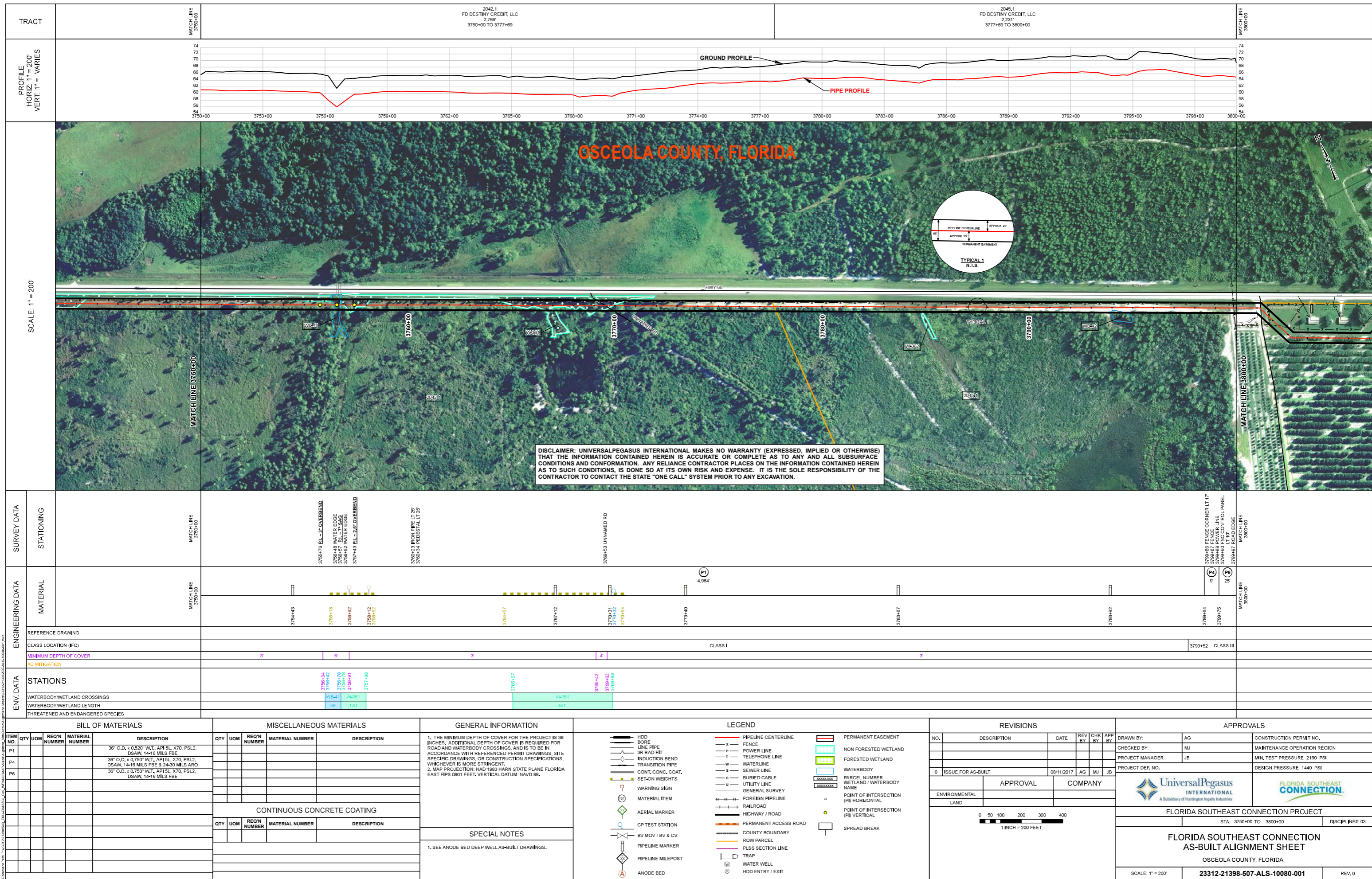
ENV. DATA	STATIONS	3653+59 3655+59 3672+49 3672+67 3675+12 3688+98
REFERENCE DRAWING		
CLASS LOCATION (IFC)		CLASS I
MINIMUM DEPTH OF COVER		4' 3' 4' 3'
AC MITIGATION		
WATERBODY/WETLAND CROSSINGS		W-352
WATERBODY/WETLAND LENGTH		1,907'
THREATENED AND ENDANGERED SPECIES		

BILL OF MATERIALS				MISCELLANEOUS MATERIALS				GENERAL INFORMATION				LEGEND				REVISIONS				APPROVALS																																														
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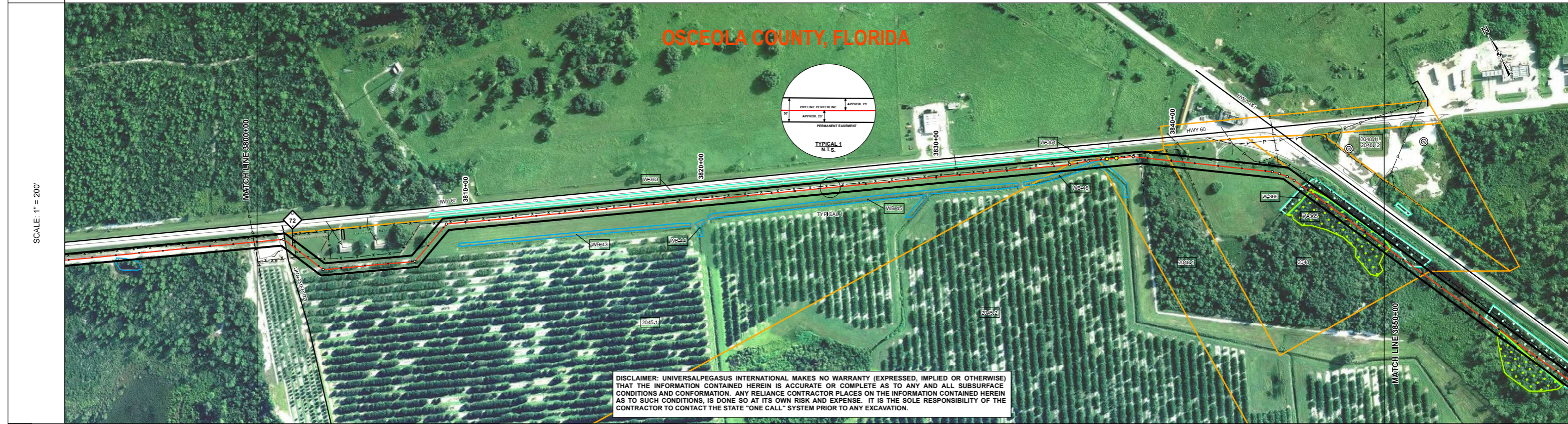
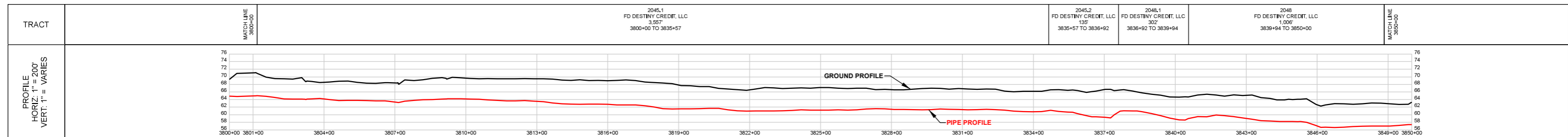
SURVEY DATA		STATIONING	
MATCH LINE 3700+00	2039.1 FD DESTINY CREDIT, LLC 66 3700+00 TO 3700+66	2041.1 FD DESTINY CREDIT, LLC 1.878 3700+66 TO 3719+44	2042.1 FD DESTINY CREDIT, LLC 3.056 3719+44 TO 3750+00
MATCH LINE 3700+00	3700+34	3700+36 3703+42	3704+31 3710+03 3711+01 3712+06 3712+92 3713+33 3713+58 3713+63 3713+67 3713+74 3713+78 3714+03 3714+81 3715+44 3716+34 3716+38 3723+65
MATCH LINE 3750+00	3739+90 3734+30 3735+27	3739+43	3744+17 3744+80

BILL OF MATERIALS					MISCELLANEOUS MATERIALS					GENERAL INFORMATION			LEGEND			REVISIONS					APPROVALS																																			
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SURVEY DATA		STATIONING			
MATCH LINE 3750+00		MATCH LINE 3800+00			
3750+76 PL-3 OVERBEND 3756+45 WATER EDGE 3756+82 WATER EDGE 3757+43 PL-2 24' OVERBEND  3760+23 IRON PIPE LT 25' 3760+54 PEDESTAL LT 25'  3769+43 UNNAMED RD		3759+66 FENCE CORNER LT 17' 3759+68 POWER LINE 3759+80 FIC CONTROL PANEL 3759+87 ROAD EDGE 3759+90 UNNAMED RD			
ENGINEERING DATA		MATERIAL			
MATCH LINE 3750+00		MATCH LINE 3800+00			
3754+43 3755+18 3756+92 3758+12 3759+42 3760+54 3763+67 3769+42 3770+31 3770+52 3770+54 3773+40 3773+67 3783+67 3789+42		3754+43 3755+18 3756+92 3758+12 3759+42 3760+54 3763+67 3769+42 3770+31 3770+52 3770+54 3773+40 3773+67 3783+67 3789+42			
REFERENCE DRAWING					
CLASS LOCATION (IFC)		CLASS I			
MINIMUM DEPTH OF COVER		3			
AC MITIGATION		3			
ENV. DATA		STATIONS			
WATERBODY/WETLAND CROSSINGS		3756+34 3756+42 3756+78 3756+91 3757+98  3766+07  3769+42 3769+42 3769+48		3756+34 3756+42 3756+78 3756+91 3757+98  3766+07  3769+42 3769+42 3769+48	
WATERBODY/WETLAND LENGTH		36			
THREATENED AND ENDANGERED SPECIES					

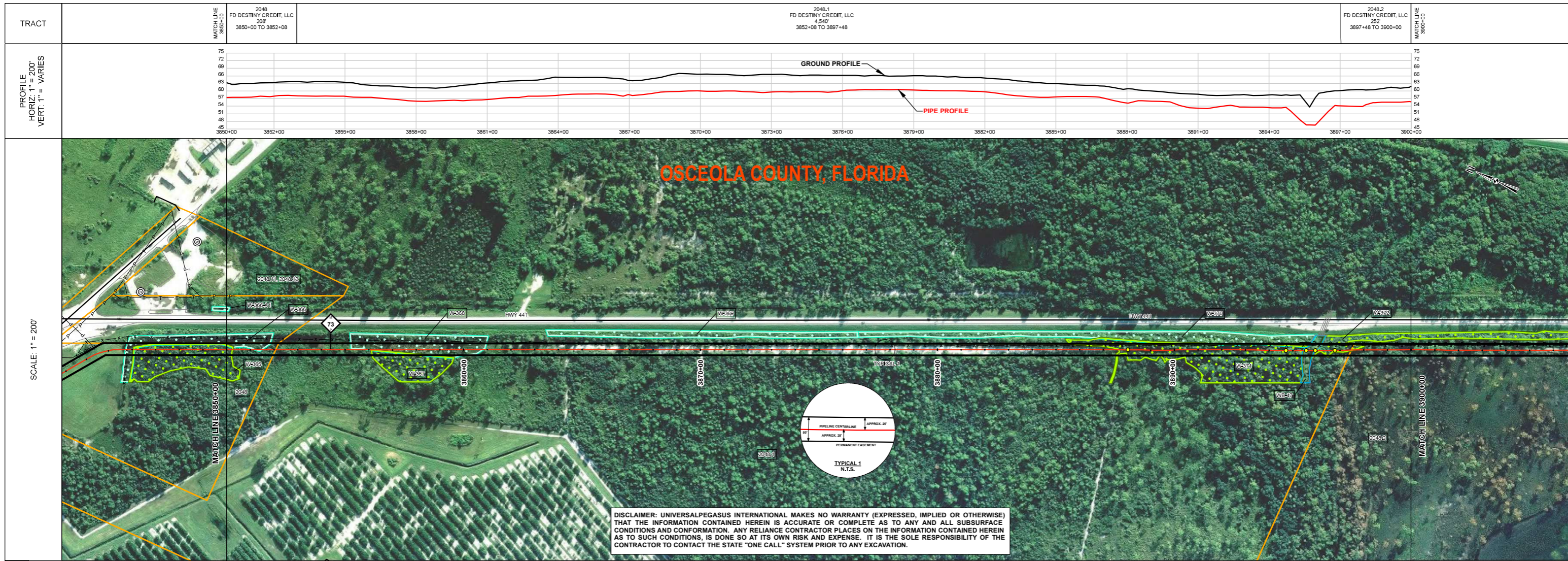
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SURVEY DATA		STATIONING	
MATCH LINE 3800+00		MATCH LINE 3850+00	
3800+00 3800+42 3801+10 3801+16 3801+30 3801+40 3802+05 3802+24 3802+27 3804+09 3806+43 3807+09 3807+13 3807+16 3808+09 3808+16 3808+19 3808+20 3808+20 3809+05 3819+67 3828+14 3832+37 3832+37 3836+38 3837+25 3837+25 3837+49 3838+38 3839+05 3843+55 3844+30 3844+61 3844+99 3845+22 3845+72 3846+77 3850+00		3800+00 3800+42 3801+10 3801+16 3801+30 3801+40 3802+05 3802+24 3802+27 3804+09 3806+43 3807+09 3807+13 3807+16 3808+09 3808+16 3808+19 3808+20 3808+20 3809+05 3819+67 3828+14 3832+37 3832+37 3836+38 3837+25 3837+25 3837+49 3838+38 3839+05 3843+55 3844+30 3844+61 3844+99 3845+22 3845+72 3846+77 3850+00	

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B					FACTORY BEND						1	ISSUE FOR AS-BUILT (UPDATED SURVEY)	10/26/2017	NH	MJ	JB			
P6					36" O.D. x 0.750" WT, API 5L X70, PSL2, DSAW, 14-16 MILS FBE						0	ISSUE FOR AS-BUILT	08/11/2017	AG	MJ	JB			
<p>1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.</p> <p>2. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET, VERTICAL DATUM: NAVD 88.</p>						<p>1. SEE ANODE BED DEEP WELL AS-BUILT DRAWINGS.</p>						<p>APPROVAL</p> <p>COMPANY</p>		<p>UNIVERSALPEGASUS INTERNATIONAL</p> <p>FLORIDA SOUTHEAST CONNECTION</p>					
<p>CONTINUOUS CONCRETE COATING</p>						<p>SPECIAL NOTES</p>						<p>FLORIDA SOUTHEAST CONNECTION PROJECT</p> <p>STA: 3800+00 TO 3850+00 DISCIPLINE# 03</p>							
<p>LEGEND</p> <ul style="list-style-type: none"> <li>HDD</li> <li>BORE</li> <li>LINE PIPE</li> <li>3R RAD FIT</li> <li>INDUCTION BEND</li> <li>TRANSITION PIPE</li> <li>CONT. CONC. COAT.</li> <li>SET-ON WEIGHTS</li> <li>WARNING SIGN</li> <li>MATERIAL ITEM</li> <li>AERIAL MARKER</li> <li>CP TEST STATION</li> <li>BV MOV / BV &amp; CV</li> <li>PIPELINE MARKER</li> <li>PIPELINE MILEPOST</li> <li>ANODE BED</li> </ul>						<p>LEGEND</p> <ul style="list-style-type: none"> <li>PIPELINE CENTERLINE</li> <li>FENCE</li> <li>POWER LINE</li> <li>TELEPHONE LINE</li> <li>WATERLINE</li> <li>SEWER LINE</li> <li>BURIED CABLE</li> <li>UTILITY LINE</li> <li>GENERAL SURVEY</li> <li>FOREIGN PIPELINE</li> <li>RAILROAD</li> <li>HIGHWAY / ROAD</li> <li>PERMANENT ACCESS ROAD</li> <li>ROW PARCEL</li> <li>PLSS SECTION LINE</li> <li>TRAP</li> <li>WATER WELL</li> <li>HDD ENTRY / EXIT</li> </ul>						<p>REVISIONS</p> <p>NO. DESCRIPTION DATE REV BY CHK BY APP BY</p>		<p>APPROVALS</p> <p>DRAWN BY: AG</p> <p>CHECKED BY: MJ</p> <p>PROJECT MANAGER: JB</p> <p>PROJECT DEF. NO.</p>					
<p>SCALE: 1" = 200'</p>						<p>23312-21398-507-ALS-10081-001</p>						<p>REV. 1</p>							





SURVEY DATA	STATIONING	MATCH LINE 3850+00	3850+00	3851+00	3851+06	3854+01	3854+02	3855+39	3855+60	3860+83	3861+55	3863+76	3873+77	3880+43	3881+17	3881+43	3882+21	3882+61	3883+36	3883+73	3883+74	3884+32	3884+66	3887+10	3887+05	3888+76	3895+47	3896+01	3896+08	MATCH LINE 3900+00
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