



## US 17/92 PD&E Study from Ivy Mist Lane to Avenue A in Osceola County, FL

# Utility Assessment Package DRAFT

FDOT Office District Five

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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.



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### Acronyms and Abbreviations

| AADT  | Annual Average Daily Traffic            |
|-------|---|
| CARS  | Crash Analysis Reporting System         |
| CFX   | Central Florida Expressway Authority    |
| CR    | County Road                             |
| FEMA  | Federal Emergency Management Agency     |
| FDOT  | Florida Department of Transportation    |
| LOS   | Level of Service                        |
| OFW   | Outstanding Florida Waters              |
| PSR   | Pond Siting Report                      |
| PD&E  | Project Development and Environment     |
| ROW   | Right-of-Way                            |
| SFWMD | South Florida Water Management District |
| SR    | State Road                              |
| UAOs  | Utility Agency Owners                   |



### 1.0 Introduction

The Florida Department of Transportation (FDOT) District 5 is conducting a Project Development and Environment (PD&E) Study to evaluate alternatives to widen US 17/92 from the existing two-lane roadway to a four-lane divided roadway from Ivy Mist Lane to Avenue A, a distance of 3.8 miles, in Osceola County. A prior Corridor Planning Study of US 17/92 from County Road (CR) 54 (Ronald Reagan Parkway) in Polk County to 1,900 feet west of Poinciana Boulevard at Avenue A in Osceola County was completed in 2018. This project traverses through the community of Poinciana, and the unincorporated community of Intercession City. **Figure 1** shows the US 17/92 PD&E Study limits (shown in light green) and previous Corridor Planning Study limits (shown in blue), along with the limits of adjacent projects mentioned below.

Two related projects overlap the western end of this PD&E Study:

- The segment of US 17/92 from west of Parker Road in Polk County to Ivy Mist Lane in Osceola County is included in the Central Florida Expressway Authority's (CFX) SR 538/Poinciana Parkway Extension to CR 532 project, which is under design and anticipated to be complete in late 2022 with construction beginning in mid-2023. The SR 538/Poinciana Parkway Extension project will include the widening of US 17/92 within these limits, as well as a proposed diverging diamond interchange with US 17/92 southwest of Ivy Mist Lane as shown in teal (Figure 1).
- Adjacent to the western end of the PD&E Study (shown in dark green) is a CFX study evaluating widening CR 532/Osceola Polk Line Road from two to four lanes from Old Lake Wilson Road to US 17/92 (Figure 1). This study includes design and is anticipated to begin construction in 2024.

One ongoing project abuts the eastern limits of this PD&E Study. FDOT District 5 is widening US 17/92 from two to four lanes, with limits from 1,900 feet west of Poinciana Boulevard (Avenue A) to CR 535 (Ham Brown Road) in Kissimmee (FPID: 239714-1). This project, shown in purple on **Figure 1**, is currently under construction and anticipated to be completed in 2022.

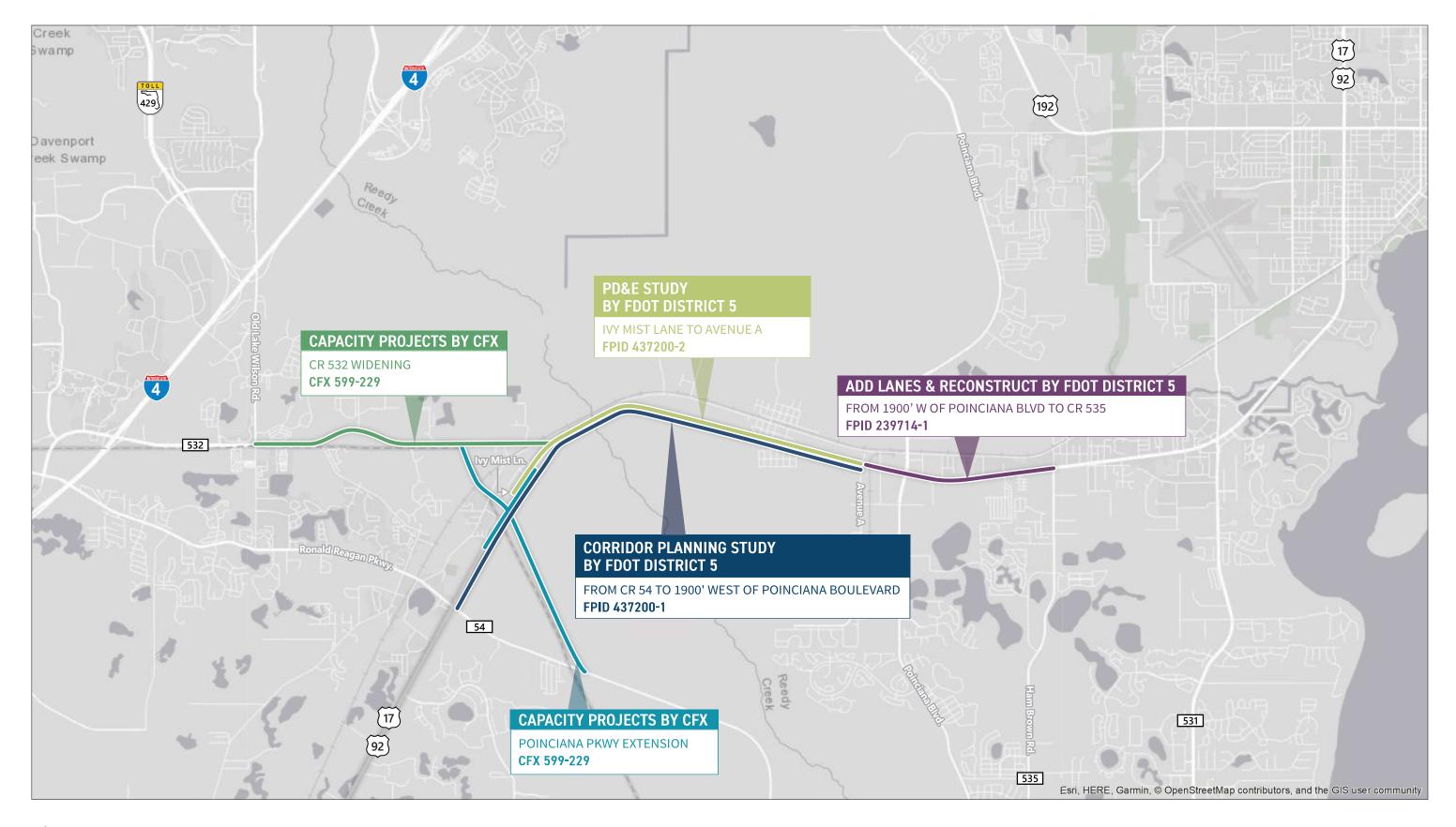






Figure 1

Location Map US 17/92 PD&E FPID # 437200-2



### 2.0 Purpose and Need

The purpose of this project is to provide needed capacity through the design year 2045, enhance regional connectivity, and improve safety conditions along the study corridor. The project is needed to meet future traffic demand, provide satisfactory future traffic operations, improve corridor access management, and improve safety along the corridor.

The following sections describe the need for improvements based on transportation connectivity, future traffic demand, and existing crash data.

### 2.1. Transportation Connectivity

The US 17/92 study corridor is a vital east-west segment in the regional transportation network within western Osceola County and the primary thoroughfare through Intercession City. Regionally, the US 17/92 corridor serves as a major arterial connecting Kissimmee to the north and Polk County to the south. The study corridor will connect to the programmed SR 538/Poinciana Parkway Extension at the western end of the project, which will include an interchange connection to US 17/92 immediately southwest of Ivy Mist Lane. The SR 538/Poinciana Parkway Extension is planned to extend to I-4 in the vicinity of the State Road (SR) 429 interchange providing enhanced connectivity from US 17/92 to Osceola and Orange Counties. This project would provide a continuous four-lane section between the Poinciana Parkway Extension and Avenue A. The programmed widening of CR 532 from US 17/92 to Lake Wilson Road will complete a continuous four-lane connection to I-4. The corridor is designated an evacuation route by the Florida Division of Emergency Management (FEMA).

### 2.2. Future Traffic Demand

Future traffic analyses were conducted for the US 17/92 study corridor for three analysis years (2025, 2035, and 2045). Based on the intersection operational analysis, by 2045 most of the study intersections are anticipated to experience very high delays. Specifically, the high delays start from 2025 for the majority of unsignalized intersections and the signalized intersection at US 17/92 and CR 532. Capacity improvements are needed to accommodate future traffic demand and provide satisfactory traffic operations.

Based on the arterial operational analysis, the US 17/92 study corridor is expected to operate at target LOS D or better through the design year 2045, except for the northbound/eastbound approach south of CR 532, which is expected to fail in the 2035 and 2045 AM design hour. These results are due to the lack of signalized intersections between CR 532 and Poinciana Boulevard and the existing high posted speed limit. However, the signalized intersection at CR 532 is expected to experience very high approach delays and extensive queueing along US 17/92, which will impact the arterial operations. Additionally, all of the future AADTs along the study corridor will exceed the Maximum Service Volume of 18,590 for LOS D for a two-lane urbanized arterial starting in opening year 2025.

### 2.3. Safety

Crash data for a five-year period (2014-2018) obtained from FDOT Crash Analysis Reporting System (CARS) found a total of 161 crashes occurred along the study corridor. Of the 161 reported crashes, 91 involved injuries and two resulted in fatalities. The highest portion of crashes were rear-end (62.1%). The crash rates at the Shepherd Lane/Nocatee Street intersection and at the Avenue A intersection were found to be above the statewide crash rate. The crash rate at the CR 532 (Osceola Polk Line Road) intersection was not higher than the statewide crash rate but very close. This project intends to increase capacity and improve access management, which is anticipated to reduce congestion and conflict points. This project



will also provide pedestrian and bicycle facilities to improve multimodal accommodations throughout the study corridor.

### 2.4. Report Purpose

As defined in FDOT's Utility Accommodation Manual (FDOT 2017), a utility is all active, deactivated or outof-service electric transmission lines, telephone lines, telegraph lines, other communication services lines, pole lines, ditches, sewers, water mains, heat mains, gas mains, pipelines, gasoline tanks and pumps owned by the Utility Agency Owner. Conflicts with utilities affect both the cost and schedule of a project, and also have the ability to influence the selection of the Preferred Alternative. FDOT must consider the potential for encountering utilities within the limits of the project, including associated pond sites and other offsite improvements. Identification of utilities within the project area is included in this Utility Assessment Package. The information can be used to avoid major utility conflicts and in choosing corridors or alternatives to carry forward. The goal of this effort is to assist with the development of concept plans that avoid conflicts with major utility facilities. While it is important to determine all utility facilities within the study limits, the focus is to identify the utility facilities that could: a) impact development of the Preferred Alternative, b) entail lengthy or drawn-out coordination efforts, c) be cost-prohibitive to relocate, or d) rise beyond the level of ordinary utility coordination.

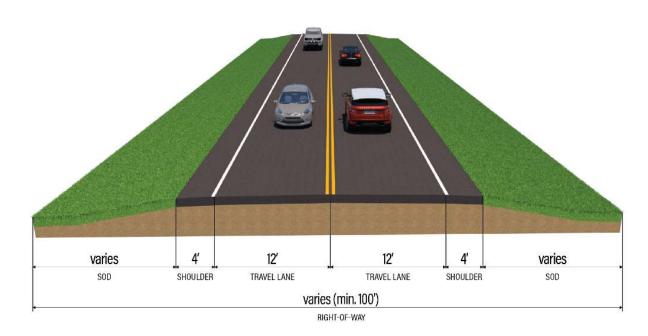


### 3.0 Project Alternatives

### 3.1. No-Build Alternative

The No-Build Alternative assumes no improvements such as additional traffic lanes or other improvements will be made within the study area, except for programmed improvements to nearby or adjacent facilities. For this project, the No-Build Alternative includes the ongoing widening of US 17/92 from Avenue A to CR 535 (FPID: 239714-1) to four lanes, the programmed SR 538/Poinciana Parkway Extension, and the CR 532 widening.

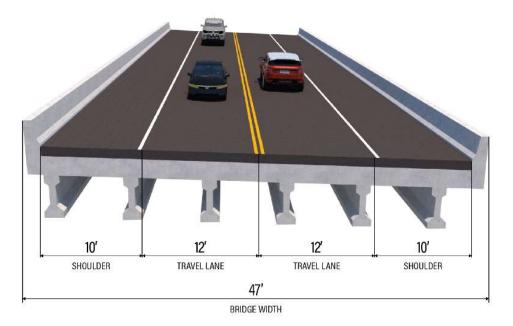
The No-Build Alternative serves as the baseline for comparing the Build Alternative and remains a viable option throughout the PD&E study process. Based on programmed improvements, the existing typical section assumed for the No-Build Alternative remains a two-lane undivided rural typical section. At the eastern end of the project at Avenue A, the corridor transitions to a four-lane typical section. For the majority of the study limits, the existing typical section along US 17/92 within the study limits is provided below in **Figure 2**. The existing bridge typical section is provided as **Figure 3**.



**Figure 2: Existing Typical Section** 



#### Figure 3: Existing Bridge Typical Section



### 3.2. Alternatives Considered

The Build Alternative widens US 17/92 to four lanes (two lanes per direction) throughout the study limits from Ivy Mist Lane to Avenue A. Due to alignment constraints from adjacent facilities and the existing bridge over Reedy Creek, the Build Alternative applied from Ivy Mist Lane to east of Old Tampa Highway is a best-fit alignment. From east of Old Tampa Highway to Avenue A, the study developed three alignments for alternatives comparison. The recommended alignment maximizes the existing Right-of-Way (ROW) and consists of widening to the south on the west end of the project corridor to align with the Poinciana Parkway Extension proposed improvements, then shifts to the south through Intercession City to avoid relocations, and aligns with the adjacent widening at the east end of the project corridor. The Preliminary Engineering Report prepared for the study summarizes the alternatives considered, the related analysis, and selection of the Preferred Alternative. The Preferred Alternative was developed to avoid and minimize environmental effects where feasible. Several stormwater treatment pond alternatives were evaluated, and the Pond Siting Report (PSR) discusses these alternatives and selection of the preferred pond sites.

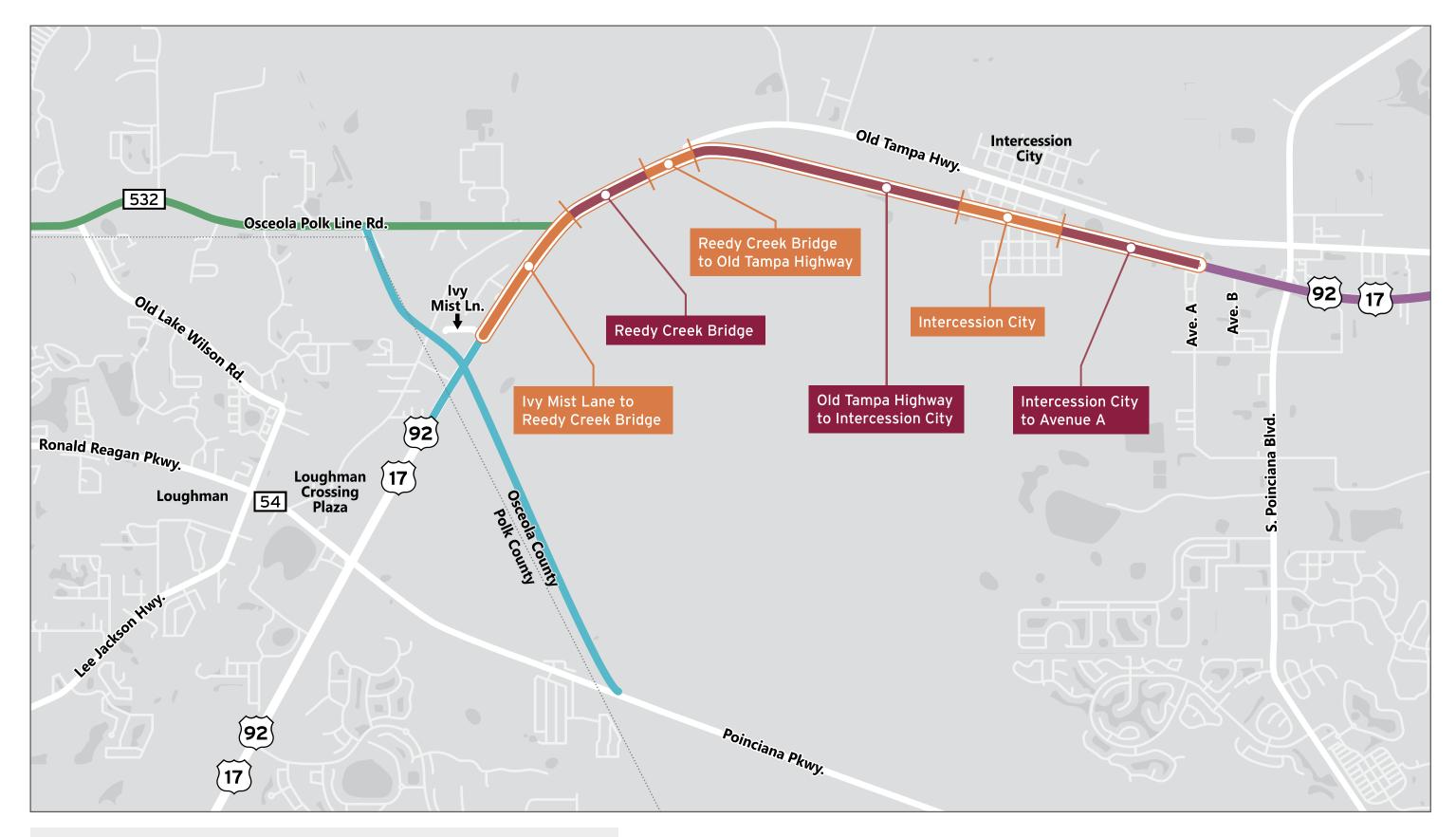
### 3.3. Description of Preferred Alternative

The Preferred Alternative widens US 17/92 from Ivy Mist Lane to Avenue A from the existing two-lane rural facility to a four-lane divided facility. The Preferred Alternative includes access management modifications to improve safety. The Preferred Alternative adds continuous multimodal facilities along both sides of the roadway for the entire length of the study corridor, except at the Reedy Creek Bridge due to constraints along the existing bridge (proposed eastbound structure). A pedestrian crossing will be provided at the Osceola Polk Line Road and Old Tampa Highway intersections to provide pedestrians with a crossing over US 17/92 to the shared-use path.



The Preferred Alternative also involves the retention of the existing bridge over Reedy Creek to serve as the eastbound traffic lanes and the addition of a new bridge over Reedy Creek to serve as the westbound traffic lanes. The westbound bridge will have a 12-foot-wide shared use path for the use of pedestrians and bicyclists travelling in both directions. In addition to the widening and multimodal improvements along US 17/92, this project includes intersection improvements at CR 532, Old Tampa Highway, and Avenue A. Five pond site locations have been recommended as part of the Preferred Alternative for a total of 25.9 acres of stormwater ponds.

The typical section for the Preferred Alternative is divided into six segments (shown in Figure 4).





Project Limits

Poinciana Parkway Extension/Interstate 4 (I-4) Connector (in design)

U.S. 17/92 Widening (under construction)

Osceola Polk Line Road Widening (under construction)

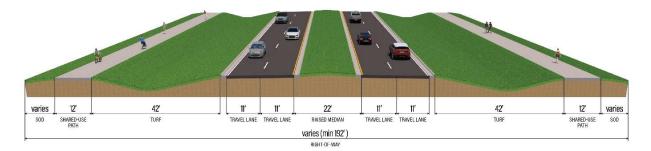


**Figure 4 Study Segments** US 17/92 PD&E FPID # 437200-2



#### Suburban Typical Section – Segments 1,4, and 6

An urban roadway typical section with swales is proposed for Segments 1, 4, and 6. The typical section (depicted in **Figure 5**) includes a 22-foot raised median, two 11-foot travel lanes in each direction, and a 12-foot shared use path along both sides of the roadway. The shared use paths are both separated from the roadway curb and gutter and 42-foot-wide drainage swales. The required ROW for the suburban roadway typical section varies with a minimum of 192 feet.

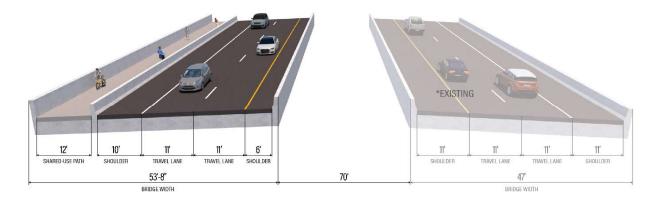


#### Figure 5: Suburban Typical Section (Segments 1, 4, and 6)

#### Bridge Typical Section – Segment 2

The typical section for the Reedy Creek Bridge, within Segment 2, includes two bridge structures (**Figure 6**). The existing bridge structure will serve eastbound traffic and a new bridge structure will serve the westbound traffic. The two bridge structures will be separated by a width of 70 feet. The existing eastbound bridge includes 11-foot inside and outside shoulders and two 11-foot travel lanes. The new westbound structure includes a six-foot inside shoulder, a 10-foot outside shoulder, two 11-foot travel lanes, and a 12-foot shared-use path separated from the roadway by a raised concrete barrier. The existing 244 feet ROW accommodates the proposed bridge structure. The existing eastbound bridge is located in a permanent easement on the south side of the FDOT ROW, which allows the new westbound bridge to be located fully within the existing ROW to the north.

#### Figure 6: Bridge Typical Section (Segment 2)

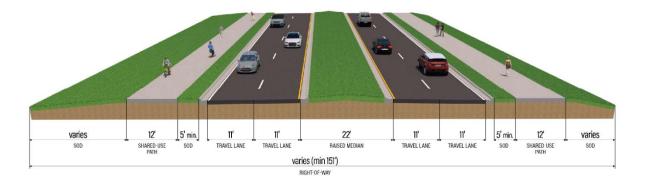




#### Urban Typical Section – Segment 3

An urban typical section, as illustrated in **Figure 7**, is proposed for Segment 3 from the east end of the Reedy Creek Bridge to Old Tampa Highway. This typical section consists of two 11-foot travel lanes in each direction separated by a 22-foot raised median, and a 12-foot shared use path along both sides of the roadway. The shared use path is separated from the roadway by curb and gutter and a buffer varying in width with a minimum of five feet. The total ROW needed for this typical section varies with a minimum of 151 feet.

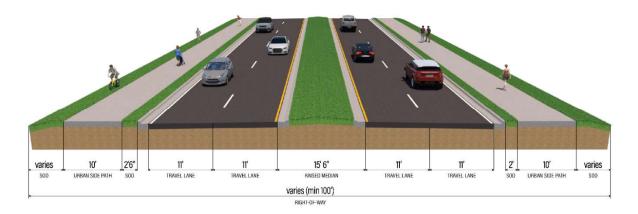
#### Figure 7: Urban Typical Section (Segment 3)



#### <u>Urban Typical Section – Segment 5</u>

An urban typical section is proposed for Segment 5 through Intercession City (**Figure 8**). This typical section includes a 15.5-foot raised median, two 11-foot travel lanes in each direction, and a 10-foot urban side path along both sides of the roadway. The urban side path is separated from the roadway by curb and gutter and a buffer with a width of two feet along the south side of the roadway and 2.5 feet along the north side of the roadway. The total ROW needed for this typical section varies with a minimum of 100 feet.

#### Figure 8: Urban Typical Section (Segment 5)





### 4.0 Utilities

### 4.1. Existing Utilities

#### 4.1.1. Utility Owners

An initial Sunshine 811 ticket was processed in June 2020 for the original limits of this project. Several utilities responded on their own accord. The Sunshine 811 ticket from June 2020 and the utility information provided by the Utility Agency Owners (UAOs) are included in **Appendix A**.

A list of existing utility companies within the project limits were obtained from a Sunshine 811 design ticket request processed in March 2021 (**Appendix B**). **Table 1** outlines these utility owners with their respective contact information.

The Initial Contact with the UAOs was made via email by sending them the PD&E Request Package on September 28, 2021, requesting them to identify any major existing surface and/or subsurface facilities that could be affected by proposed improvements of the project area. For UAOs that did not provide a response, the information collected in June 2020 was used. The Sunshine 811 design ticket, list of contacts, Utility Coordination Status Sheet, and initial contact letter are provided in Appendix B. The PD&E request package that was sent to the UAOs can be found in **Appendix C**. The concept plans have since been revised along with typical sections; the updated concept plans for this project are provided in **Appendix E**.

| Utility Company                             | Utility Type                                 | Contact                              | Response                          |
|---|--|--------------------------------------|-----------------------------------|
| CenturyLink                                 | Fiber, Telephone                             | Bill McCloud<br>(850) 599-1444       | Maps provided (3/15/2021)         |
| Charter Communications                      | Cable Television (CATV),<br>Fiber, Telephone | Ramon Nunez<br>(407) 215-5870        | Markups provided (7/1/2020)       |
| Comcast Communications                      | CATV   | Andrew Sweeney<br>(904) 738-6898     | Maps Provided (6/2/2021)          |
| Duke Energy                                 | Fiber; Electric                              | Mark Hurst<br>(727) 820-5208         | Markups provided (11/16/2021)     |
| Kinder Morgan / Central<br>Florida Pipeline | Fuel Oil Pipeline                            | Mark Clark<br>(727) 271-0024         | No Conflict Statement (4/15/2021) |
| Osceola County Traffic                      | Fiber, Traffic Lights                        | Jack Lott<br>(407) 742-7534          | Markups provided (7/1/2020)       |
| Spectra Energy / Sabal Trail                | Gas  | Steve Peck<br>(201) 853-4218         | Markups provided (10/19/2021)     |
| TECO Peoples Gas                            | Gas  | Joan Domning<br>(813) 275-3783       | Markups provided (11/18/2021)     |
| Toho Water Authority - Zone<br>1 and Zone 4 | Reclaimed Water,<br>Wastewater               | Janet Patrick<br>(407) 944-5034      | Maps provided (7/8/2021)          |
| Transtate Industrial<br>Pipeline Systems    | Gas  | Tom Ulmer<br>(772) 778-2255          | Markups provided (10/18/2021)     |
| MCI   | Communication Lines, Fiber                   | MCIU01 Investigations (469) 886-4091 | Maps provided (12/2/2021)         |

#### Table 1: Utility Owners



### 4.1.2. Description of Existing Utilities

Below are the descriptions of the utilities located along the corridor based on the information provided by the UAOs during the Initial Contact process, with supplemental information provided from the Sunshine Ticket processed in June 2020. Concept Plans sent to the UAOs are provided in **Appendix C**. Data from the UAOs are provided in **Appendix A** and **Appendix D**.

**Table 2** summarizes the existing facilities within the project corridor. All distances and locations provided are approximate. A quarter mile was used to define the study area for this report, any UAO assets outside of this study area are deemed no impact anticipated.

| Utility<br>Agency<br>Owner | Utility Type                                     | Description   |
|----------------------------|--|---|
|                            |  | <ul> <li>One buried asset along US 17/92 between Ivy Mist Lane and Shepherd Lane/Nocatee Street and between Avenue A and east of Avenue A:</li> <li>Between Ivy Mist Lane and CR 532 (position indistinguishable)</li> <li>Between CR 532 and Old Tampa Highway (north side of US 17/92)</li> <li>Between Old Tampa Highway and 500 feet east of Shepherd Lane/Nocatee Street (position indistinguishable)</li> <li>Between Avenue A and east of Avenue A (position indistinguishable)</li> </ul>   |
| CenturyLink                | Fiber,<br>Telephone                              | <ul> <li>Multiple spurs off the buried asset between Ivy Mist Lane and Shepherd Lane/Nocatee Street occur at the following locations:</li> <li>Buried asset along the driveway 900 feet east of Ivy Mist Lane</li> <li>Buried asset along the intersection with Sundown Drive</li> <li>Buried asset along the intersection with CR 532</li> <li>Buried asset along the intersection with Old Tampa Highway</li> <li>Buried asset along the driveway of Central Pro, A SiteOne Company</li> <li>Buried asset along the driveway 300 feet west of Imolakee Street</li> <li>Buried asset along the intersection with Imolakee Street</li> <li>Buried asset along the intersection with Tallahassee Boulevard</li> <li>Buried asset along the intersection with Charity Street</li> <li>Buried asset along the intersection with Charity Street</li> <li>Buried asset along the intersection with Shepherd Lane/Nocatee Street</li> </ul> |
| Charter<br>Communications  | CATV, Fiber,<br>Telephone                        | Overhead CATV crossing US 17/92 3,000 feet east of Old Tampa Highway<br>Overhead CATV, fiber optic cables, and coaxial cables, along the north side of US<br>17/92 between 3,000 feet east of Old Tampa Highway and east of Avenue A  |
| Comcast<br>Communications  | CATV   | Overhead CATV along the on the north side of US 17/92 between west of Ivy Mist<br>Lane and east of Avenue A<br>Multiple overhead CATV crossings within Intercession City (positions undisclosed)  |
| Duke Energy                | Fiber,<br>Distribution<br>Electric (12.47<br>kV) | <ul> <li>Overhead 12.47 kV electric along the north side of US 17/92 between Ivy Mist Lane and Avenue A, 25 to 55 feet from the edge of existing US 17/92 pavement<sup>1, 2</sup></li> <li>Buried 12.47 kV electric along the south side of US 17/92 between west of Ivy Mist Lane to 200 feet east of Ivy Mist Lane, 70 feet from the edge of the existing US 17/92 pavement (proposed; CFX Project Number: 538-235)</li> <li>Buried 12.47 kV electric crosses under US 17/92 at the following location: <ul> <li>Along the west side of Avenue A</li> </ul> </li> <li>Overhead 12.47 kV electric crosses over US 17/92 at the following locations: <ul> <li>At Sundown Drive (Proposed; CFX Project Number: 538-235)</li> <li>2,500 feet east of Old Tampa Highway</li> </ul> </li> </ul>   |

#### **Table 2: Existing Utilities**



| Utility<br>Agency<br>Owner         | Utility Type                                   | Description   |
|------------------------------------|--|---|
|                                    |  | <ul> <li>3,300 feet east of Old Tampa Highway</li> <li>100 feet east of Imolakee Street</li> <li>At Avenue A</li> <li>No fiber identified</li> </ul>  |
|                                    |  | <ol> <li>NOTES:         <ol> <li>The 12.47 kV distribution lines between west of lvy Mist Lane to just west of Sundown Drive are to be removed for the Poinciana Parkway Extension project (CFX Project Number: 538-235).</li> <li>Between CR 532 and Old Tampa Highway, the 12.47 (kV) overhead facilities are along the north side of the old Reedy Creek bridge, 165 to 250-feet from the edge of existing US 17/92 pavement.</li> </ol> </li> </ol>   |
|                                    |  | Buried 7.2 kV electric in the northwest corner of the US 17/92 intersection with Ivy Mist Lane, 35 feet away from the US 17/92 edge of pavement and 5 feet from Ivy Mist Lane edge of pavement.   |
|                                    |  | Overhead 7.2 kV electric along the northeast side of Sundown Drive just north of US 17/92, 10 feet away from the edge of pavement   |
| Duke Energy<br>(cont.)             | Fiber,<br>Distribution<br>Electric (7.2<br>kV) | <ul> <li>Overhead 7.2 kV electric crosses US 17/92 at the following locations:</li> <li>550 feet west of Sundown Drive (To be removed, CFX Project Number: 538-235)</li> <li>500 feet west of Sundown Drive (Proposed; CFX Project Number 538-235)</li> <li>3,200 feet west of Wonder Court</li> <li>2,900 feet west of Wonder Court</li> <li>2,000 feet west of Wonder Court</li> <li>100 feet west of Wonder Court</li> <li>At Manatee Street/Hope Street</li> <li>At Charity Street</li> </ul> |
|                                    |  | No fiber identified   |
|                                    | Fiber,<br>Distribution<br>Electric<br>(0.24kV) | Overhead 0.24 kV electric along the south side of US 17/92 between Suwanee<br>Avenue and Tallahassee Boulevard and between Tallahassee Boulevard and<br>Manatee Street/Hope Street, 15 feet away from the edge of pavement.   |
|                                    |  | Overhead 0.24 kV electric crosses US 17/92 at the following locations:<br>• 1,800 feet west of Wonder Court<br>• 300 feet west of Wonder Court<br>• 200 feet west of Wonder Court<br>• 100 feet east of Nocatee Street/Shepherd Lane<br>• 400 feet east of Nocatee Street/Shepherd Lane   |
|                                    |  | No fiber identified<br>Overhead 69 kV electric along the north side of US 17/92 between west of Ivy Mist  |
|                                    |  | Lane and 450 feet west of Old Tampa Highway <sup>1, 2</sup><br>Overhead 69 kV electric crosses over US 17/92 700 feet west of Avenue A  |
|                                    | Fiber,<br>Transmission                         | No fiber identified   |
|                                    | Electric (69 kV)                               | <ul> <li>NOTES:</li> <li>1) These transmission lines share the same utility pole with, and are just above, the overhead 12.47 kV electric distribution lines mentioned three rows above from Ivy Mist Lane to Old Tampa Highway.</li> </ul>   |
| Kinder Morgan /<br>Central Florida | Fuel Oil<br>Pipeline                           | 10" gas along the north side of the railroad tracks, north of US 17/92, between west of Ivy Mist Lane and east of Avenue A, greater than or equal to 300 feet from the existing edge of US 17/92 pavement <sup>1</sup><br>NOTES:  |
| Pipeline                           |  | <ol> <li>The 10" gas along the north side of the railroad tracks is 100 feet from<br/>the existing edge of Old Tampa Road pavement</li> </ol>   |



| Utility<br>Agency<br>Owner                     | Utility Type                      | Description  |
|--|-----------------------------------|--|
| Osceola County<br>Traffic                      | Fiber, Traffic<br>Lights          | No assets within 1,320 feet of the study corridor  |
| Spectra Energy /<br>Sabal Trail                | Gas                               | 36" high-pressure gas pipeline along the north side of US 17/92 between CR 532 and Old Tampa Highway, 580 feet from the existing edge of pavement  |
| TECO Peoples<br>Gas                            | Gas                               | <ul> <li>8" steel gas along the north side of US 17/92 between CR 532 and Avenue A<sup>1,2,3</sup></li> <li>NOTES: <ol> <li>Between CR 532 to Old Tampa Highway, the 8" steel gas is 140 feet from the existing edge of US 17/92 pavement.</li> <li>Between Old Tampa Highway and 1,700 feet west of Avenue A, the 8" steel gas is between 20 to 30 feet from the existing edge of US 17/92 pavement.</li> <li>Between 1,700 feet west of Avenue A to Avenue A, the 8" steel gas is 50 feet from the existing edge of US 17/92 pavement.</li> </ol> </li> </ul>  |
|  |                                   | Distribution water main (size unknown) along the south side of Ivy Mist Lane<br>One 36" reclaim effluent transmission main along the north side of US 17/92<br>between CR 532 and Old Tampa Highway and along the north side of Old Tampa<br>Highway from US 17/92 to east of US 17/92; This reclaim effluent transmission<br>main crosses US 17/92 at the following location:<br>• 750 feet west of Avenue A  |
|  | Reclaimed<br>Water,<br>Wastewater | <ul> <li>One 30" raw water main along the north side of US 17/92 between CR 532 and Old Tampa Highway:</li> <li>Along the north side of CR 532</li> <li>Along the north side of US 17/92</li> <li>Along the north side of Old Tampa Highway</li> </ul>   |
|  |                                   | One distribution water main (size unknown) along the south side of US 17/92<br>between 300 feet east of Wonder Court and 400 feet east of Shepherd Lane with<br>spurs at the following locations:<br>• West side of Hope Street<br>• West side of Shepherd Lane  |
| Toho Water<br>Authority - Zone<br>1 and Zone 4 |                                   | <ul> <li>One raw water main along the north side of US 17/92 between 200 feet east of Wonder Court and Imolakee Street and Nocatee Street and Avenue A: <ul> <li>2" raw water main between 200 feet east of Wonder Court and Suwannee Avenue</li> <li>8" raw water main between Suwannee Avenue and Imolakee Street</li> <li>Raw water main (size unknown) between Nocatee Street and 800 feet east of Nocatee Street</li> <li>30" raw water main between 800 feet east of Nocatee Street and 1,800 feet east of Nocatee Street<sup>1</sup></li> <li>30" raw water main between 1,800 feet east of Nocatee Street and 2,700</li> </ul> </li> </ul> |
|  |                                   | <ul> <li>feet east of Nocatee Street</li> <li>24" raw water main between 2,700 feet east of Nocatee Street and east of Avenue A</li> </ul>   |
|  |                                   | One distribution water main at Suwannee Avenue   |
|  |                                   | One distribution water main (size unknown) along the north side of US 17/92 between Imolakee Street and Nocatee Street with spurs at Imolakee Street and Tallahassee Boulevard   |
|  |                                   | 8" wastewater gravity main along the north side of US 17/92, with four wastewater manholes, between 750 feet west of Avenue A to Avenue A  |
|  |                                   | <ul> <li>NOTES:</li> <li>1) The 30" raw water main diverts north 1,800 feet east of Shepherd Lane (following the existing right-of-way (ROW)) as a 24" raw water main for 100 feet.</li> </ul>   |



| Utility<br>Agency<br>Owner                     | Utility Type                            | Description   |
|--|---|---|
| Transtate<br>Industrial<br>Pipeline<br>Systems | Gas<br>(Kissimmee<br>Utility Authority) | <ul> <li>One 20" high-pressure natural gas along the north side of CR 532, US 17/92, and Old Tampa Highway: <ul> <li>Along the north side of CR 532 between west of the railroad crossing to just east of the railroad crossing<sup>1</sup></li> <li>Along the north side of US 17/92 between CR 532 and Old Tampa Highway<sup>2</sup></li> <li>Along the north side of Old Tampa Highway between US 17/92 and east of US 17/92<sup>3</sup></li> </ul> </li> <li>NOTES: <ul> <li>At the railroad crossing of CR 532, the pipeline is 40 feet from the existing edge of CR 532 pavement.</li> </ul> </li> <li>Between CR 532 and Old Tampa Highway, the pipeline is 180 feet from the edge of pavement.</li> <li>Along the north side of Old Tampa Highway, the pipeline is 10 feet from the existing edge of pavement.</li> </ul> |
| MCI  | Communication<br>Lines, Fiber           | <ul> <li>Buried fiber optic assets along the railroad tracks, north of US 17/92, from CR 532 to Old Tampa Highway; at their closest the facilities are approximately 300 feet away from the existing edge of pavement.</li> <li>Overhead fiber along the northside of US 17/92 between Ivy Mist Lane and Avenue A with a spur at the following location: <ul> <li>2,400 feet east of Old Tampa Highway</li> </ul> </li> </ul>   |

### 4.2. Potential Impacts

#### 4.2.1. Potential Impacts

**Table 3** lists the estimated impacts itemized by location. The estimated impacts are based on the data provided by the UAOs listed in Table 2. Actual utility impacts will be verified during the design phase when a detailed survey is completed and subsurface utility information is available. Some of the existing facilities potentially come into conflict with the proposed roadway changes in the Preferred Alternative and may need to be adjusted.

Acronyms used in **Table 3** are provided below.

- BE = buried electric
- *BFO = buried fiber optic*
- BT = buried television
- FM = force main
- GM = gas main
- *HPG = high-pressure gas*
- OE = overhead electric
- OFOC = overhead fiber optic cable
- *OT* = overhead telephone
- OTV = overhead television
- RWM = reclaimed water main
- WWGM = wastewater gravity main
- WM = water main



#### Table 3: Utility Impacts from Preferred Alternative by Location

| Utility<br>Type          | Transverse<br>or Adjacent | General Location  | Size    | Approximate<br>Length<br>CenturyLink | Impacts   | Cost<br>Estimate |
|--------------------------|---------------------------|---|---------|--------------------------------------|---|------------------|
| Local<br>Buried<br>Asset | Adjacent                  | Along US 17/92 between Ivy<br>Mist Lane and Shepherd<br>Lane/Nocatee Street                                 | Unknown | 3 miles                              | <ul> <li>Potential impacts along mainline in addition to spurs at the following locations:</li> <li>Along the driveway 900 feet east of Ivy Mist Lane</li> <li>Along the intersection with Sundown Drive</li> <li>Along the intersection with CR 532</li> <li>Along the intersection with Old Tampa Highway</li> <li>Along the driveway of Central Pro, A SiteOne Company</li> <li>Along the driveway of Aspire Health Partners, Inc.</li> <li>Along the intersection with Imolakee Street</li> <li>Along the intersection with Manatee Street</li> <li>Along the intersection with Charity Street</li> <li>Along the intersection with Shepherd Lane/Nocatee Street</li> </ul> | Not provided     |
| Local<br>Buried<br>Asset | Adjacent                  | Along US 17/92 between<br>Avenue A and east of Avenue<br>A  | Unknown | +/- 100 feet                         | Potential impacts at the intersection of US 17/92 with Avenue A   | Not provided     |
|                          |                           |   | С       | harter Communicatio                  | ons   |                  |
| ΟΤΥ                      | Adjacent                  | Along the north side of US<br>17/92 between 3,000 feet<br>east of Old Tampa Highway<br>and east of Avenue A | 0.25"   | 2 miles                              | <ul> <li><u>Direct Impacts</u></li> <li>Between 400 feet west of Wonder Court and 700 feet west of Suwannee Avenue</li> <li>Between 500 feet east of Shepherd Lane/Nocatee Street and 1,800 feet east of Shepherd Lane/Nocatee Street</li> </ul>  | Not provided     |
|                          |                           |   |         |                                      | <ul> <li><u>Potential Impacts</u></li> <li>Between 700 feet west of Suwannee Avenue and 500 feet east of Shepherd Lane/Nocatee Street</li> <li>Between 1,800 feet east of Shepherd Lane/Nocatee Street and Avenue A</li> </ul>  |                  |
| OTV                      | Transverse                | 3,000 feet east of Old<br>Tampa Highway   | 0.25"   | +/- 100 feet                         | Direct Impact to the utility pole located approximately 50 feet south of the existing ROW   | Not provided     |



| Utility<br>Type | Transverse<br>or Adjacent | General Location  | Size              | Approximate<br>Length            | Impacts  | Cost<br>Estimate |  |  |  |  |
|-----------------|---------------------------|---|-------------------|----------------------------------|--|------------------|--|--|--|--|
|                 | Comcast Communications    |   |                   |                                  |  |                  |  |  |  |  |
| CATV            | Adjacent                  | Along the north side of US<br>17/92 between Ivy Mist<br>Lane and east of Avenue A | Unknown           | 3.8 miles                        | <ul> <li><u>Direct Impacts</u></li> <li>Between Ivy Mist Lane and Sundown Drive</li> <li>Between 400 feet west of Wonder Court and 700 feet west of Suwannee Avenue</li> <li>Between 500 feet east of Shepherd Lane/Nocatee Street and 1,800 feet east of Shepherd Lane/Nocatee Street</li> </ul>  | Not provided     |  |  |  |  |
|                 |                           |   |                   |                                  | <ul> <li>Potential Impacts</li> <li>Between 700 feet west of Suwannee Avenue and 500 feet east of Shepherd Lane/Nocatee Street</li> <li>Between 1,800 feet east of Shepherd Lane/Nocatee Street and Avenue A</li> </ul>  |                  |  |  |  |  |
|                 |                           |   |                   |                                  | NOTES:<br><u>Overhead Crossings</u><br>Comcast stated multiple overhead crossings within<br>Intersession City but did not mark the locations.  |                  |  |  |  |  |
| 05              |                           |   | 40.47.114         | Duke Energy                      |  | <b>N N N N</b>   |  |  |  |  |
| OE              | Adjacent                  | Along the north side of US 17/92  | 12.47 kV          | +/- 100 feet at<br>each location | <ul> <li>Potential construction impacts with overhead crossings at the following locations:</li> <li>At Sundown Drive</li> <li>Proposed intersection of US 17/92 with Osceola-Polk Line Road<sup>1</sup></li> <li>Proposed intersection of US 17/92 with Old Tampa Highway<sup>1</sup></li> <li>2,500 feet east of Old Tampa Highway</li> <li>3,300 feet east of Old Tampa Highway</li> <li>100 feet east of Imolakee Street</li> <li>At Avenue A</li> <li>NOTES: <ol> <li>69 kV electric crosses at these locations in addition to 12.47 kV electric</li> </ol> </li> </ul> | Not provided     |  |  |  |  |
| OE              | Adjacent                  | Along the north side of US<br>17/92 between Ivy Mist<br>Lane and Sundown Drive    | 69 kV<br>12.47 kV | 1,700 feet                       | Direct impacts; drainage swale   | Not provided     |  |  |  |  |



| Utility              | Transverse  | General Location  | Size     | Approximate                      | Trana ata   | Cost   |  |  |
|----------------------|-------------|---|----------|----------------------------------|---|--|--|--|
| Туре                 | or Adjacent | General Location  | SIZE     | Length                           | Impacts   | Estimate   |  |  |
| Duke Energy (cont'd) |             |   |          |                                  |   |  |  |  |
| OE                   | Adjacent    | Along the north side of US<br>17/92 between 400 feet<br>west of Wonder Court and<br>700 feet west of Suwannee<br>Avenue                                   | 12.47 kV | 2,200 feet                       | Direct impacts; sidewalk and drainage swale   | Not provided   |  |  |
| OE                   | Adjacent    | Along the north side of US<br>17/92 between 700 feet<br>west of Suwannee Avenue<br>and 500 feet east of<br>Shepherd Lane/Nocatee<br>Street                | 12.47 kV | 3,800 feet                       | Potential impacts; within existing ROW, just behind proposed sidewalk (within 5 feet)   | Not provided   |  |  |
| OE                   | Adjacent    | Along the north side of US<br>17/92 between 500 feet<br>east of Shepherd<br>Lane/Nocatee Street and<br>1,800 feet east of Shepherd<br>Lane/Nocatee Street | 12.47 kV | 1,300 feet                       | Direct impacts; sidewalk, pavement, and drainage swale  | Not provided   |  |  |
| OE                   | Adjacent    | Along the north side of US<br>17/92 between 1,800 feet<br>east of Shepherd<br>Lane/Nocatee Street and<br>Avenue A   | 12.47 kV | 3,500 feet                       | Potential impacts; within existing ROW, just behind proposed sidewalk (within 5 feet)   | Not provided   |  |  |
| BE                   | Adjacent    | On the south side of US<br>17/92 at Ivy Mist Lane along<br>the proposed ROW for CFX<br>Project Number: 538-235  | 12.47 kV | 700 feet                         | Potential Impacts; drainage swale   | Not provided   |  |  |
| BE                   | Adjacent    | Northwest corner of the US 17/92 intersection with Ivy Mist Lane  | 7.2 kV   | 300 feet                         | No impacts anticipated  | \$0  |  |  |
| OE                   | Adjacent    | Northeast side of Sundown Drive just north of US 17/92  | 7.2 kV   | 80 feet                          | No impacts anticipated  | \$0  |  |  |
| OE                   | Transverse  | Overhead crossings along US<br>17/92  | 7.2 kV   | +/- 100 feet at<br>each location | Potential construction impacts with overhead<br>crossings at the following locations:<br>• 500 feet west of Sundown Drive<br>• 3,200 feet west of Wonder Court<br>• 2,900 feet west of Wonder Court<br>• 2,000 feet west of Wonder Court<br>• 100 feet west of Wonder Court<br>• At Manatee Street/Hope Street<br>• At Charity Street | Not provided;<br>Potential for<br>Reimbursement<br>as identified by<br>UAO |  |  |



| Utility<br>Type | Transverse<br>or Adjacent   | General Location   | Size                                       | Approximate<br>Length            | Impacts   | Cost<br>Estimate |  |  |  |
|-----------------|---|--|--|----------------------------------|---|------------------|--|--|--|
|                 |   |  |  | Duke Energy (cont'd              | )   |                  |  |  |  |
| OE              | Adjacent  | Along the south side of US<br>17/92 between Suwannee<br>Avenue and Tallahassee<br>Street   | 0.24 kV                                    | 400 feet                         | Direct impact; pavement, sidewalk, or curb<br>NOTES:<br>1) No visible overhead elective in this area,<br>electric is shown on data send from UAO  | Not provided     |  |  |  |
| OE              | Adjacent  | Along the south side of US<br>17/92 between Tallahassee<br>Street and Manatee<br>Street/Hope Steet   | Direct impact; pavement, sidewalk, or curb | Not provided                     |   |                  |  |  |  |
| OE              | Transverse  | Overhead crossings along US 17/92  | 0.24 kV                                    | +/- 100 feet at<br>each location | <ul> <li>Potential construction impacts with overhead crossings at the following locations:</li> <li>1,800 feet west of Wonder Court</li> <li>300 feet west of Wonder Court</li> <li>200 feet west of Wonder Court</li> <li>100 feet east of Nocatee Street/Shepherd Lane</li> <li>400 feet east of Nocatee Street/Shepherd Lane</li> </ul> | Not provided     |  |  |  |
|                 |   |  |  | organ / Central Flori            |   |                  |  |  |  |
| GM              | Adjacent  | Runs along the north side of<br>the railroad tracks, north of<br>US 17/92  | 10"  | 4.2 miles                        | No anticipated impacts  | \$0              |  |  |  |
|                 |   |  | (  | Osceola County Traff             | fic   |                  |  |  |  |
| N/A             | N/A   | N/A  | N/A  | N/A                              | No assets within 1,320 feet of the study corridor   | \$0              |  |  |  |
|                 |   |  |  | ectra Energy / Sabal             |   |                  |  |  |  |
| HPG             | Adjacent Runs along the north side of<br>US 17/92 between CR 532<br>and Old Tampa Highway                               |  | 36"  | 1 mile                           | No impacts anticipated  | \$0              |  |  |  |
|                 |   |  |  | TECO Peoples Gas                 |   |                  |  |  |  |
| GM              | Adjacent  | North side of CR 532 at the railroad tracks  | 8"   | 200 feet                         | Direct impact; sidewalk   | Not provided     |  |  |  |
| GM              | Adjacent Along the north side of US 8" 5<br>17/92 just west of the<br>proposed bridge at the<br>existing CR 532 roadway |  | 50 feet                                    | Potential impacts; sidewalk      | Not provided  |                  |  |  |  |
| GM              | Adjacent  | Along the north side of US       8"       50 feet       Potential impact with existing Old Tampa Highwa         17/92 at the existing Old       8"       50 feet       reconstruction         Tampa       Highway       Road       Intersection       Intersection |  |                                  |   | Not Provided     |  |  |  |
| GM              | Adjacent  | Along the north side of US<br>17/93 at the proposed Old<br>Tampa Highway intersection  | 8"   | 50 feet                          | Direct impact; gas line under proposed Old Tampa<br>Highway pavement  | Not Provided     |  |  |  |



| Utility | Transverse<br>or Adjacent | General Location  | Size    | Approximate<br>Length   | Impacts   | Cost<br>Estimate |  |  |  |  |  |
|---------|---------------------------|---|---------|---|---|------------------|--|--|--|--|--|
| Туре    | or Aujacem                |   | TE      | TECO Peoples Gas (cont'd)   |   |                  |  |  |  |  |  |
| GM      | Adjacent                  | Along the north side of US<br>17/92 between Old Tampa<br>Highway and 400 feet west of<br>Wonder Court   | 8"      | 4,200 feet  | Potential impacts; within existing ROW less than 10 feet behind proposed sidewalk     | Not Provided     |  |  |  |  |  |
| GM      | Adjacent                  | Along the north side of US<br>17/92 between 400 feet<br>west of Wonder Court and<br>700 feet west of Suwannee<br>Avenue                                   | 8"      | 2,200 feet  | Direct impacts; sidewalk and drainage swale   | Not Provided     |  |  |  |  |  |
| GM      | Adjacent                  | Along the north side of US<br>17/92 between 700 feet<br>west of Suwannee Avenue<br>and 500 feet east of<br>Shepherd Lane/Nocatee<br>Street                | 8"      | 3,800 feet  | Potential impacts; within existing ROW, just behind proposed sidewalk (within 5 feet) | Not provided     |  |  |  |  |  |
| GM      | Adjacent                  | Along the north side of US<br>17/92 between 500 feet<br>east of Shepherd<br>Lane/Nocatee Street and<br>2,400 feet east of Shepherd<br>Lane/Nocatee Street | 8"      | 1,900 feet  | Direct impacts; sidewalk, pavement, median and drainage swale                         | Not provided     |  |  |  |  |  |
| GMN     | Adjacent                  | Along the north side of US<br>17/92 between 2,400 feet<br>east of Shepherd<br>Lane/Nocatee Street and<br>east of Avenue A                                 | 8"      | 2,400 feet Potential impacts; within existing ROW, just behin proposed sidewalk (within 5 feet) |   | Not provided     |  |  |  |  |  |
|         |                           |   |         | r Authority – Zone 1  |   |                  |  |  |  |  |  |
| WM      | Adjacent                  | At the US 17/92 intersection with Ivy Mist Lane   | Unknown | +/- 50 feet   | No impacts anticipated  | \$0              |  |  |  |  |  |
| WM      | Adjacent                  | Along the north side of CR<br>532 at the limits of<br>construction  | 30"     | 400 feet  | Potential impacts; sidewalk   | Not provided     |  |  |  |  |  |
| WM      | Adjacent                  | Along the north side of US<br>17/92 just west of the<br>proposed bridge at the<br>existing CR 532 roadway   | 30"     | 50 feet   | Potential impacts; sidewalk   | Not provided     |  |  |  |  |  |
| WM      | Adjacent                  | Along the north side of US<br>17/92 between CR 532 and<br>Old Tampa Highway   | 30"     | 3,600 feet  | No impacts anticipated  | \$0              |  |  |  |  |  |





| Utility<br>Type | Transverse<br>or Adjacent | General Location  | Size  | Approximate<br>Length | Impacts  | Cost<br>Estimate |  |  |
|-----------------|---------------------------|---|---|-----------------------|--|------------------|--|--|
| туре            | or Aujacent               | Tr  | oho Water Au                                      | LSimilate             |  |                  |  |  |
| WM              | Adjacent                  | Along the north side of Old<br>Tampa Highway at proposed<br>curve to US17/93  | 30"   | 100 feet              | No impacts anticipated   | \$0              |  |  |
| WM              | Adjacent                  | Along the south side of US<br>17/92 within intercession<br>City   | Unknown   | 2,200 feet            | Potential impacts with main line including spurs along<br>the west side of Hope Street and the west side of<br>Shepherd Lane; Sidewalk | Not provided     |  |  |
| WM              | Adjacent                  | Along the north side of US<br>17/92 between Wonder<br>Court and 500 feet east of<br>Shepherd Lane/Nocatee<br>Street                                       | Varies<br>(8", 2",<br>and<br>unknown)             | 2,500 feet            | Potential impacts; within existing ROW, approximately just behind proposed sidewalk (within 5 feet)                                    | y Not provided   |  |  |
| WM              | Adjacent                  | Along the north side of US<br>17/92 between 500 feet<br>east of Shepherd<br>Lane/Nocatee Street and<br>1,800 feet east of Shepherd<br>Lane/Nocatee Street | Varies<br>(30", 24"<br>and<br>unknown)            | 1,300 feet            | Direct impacts; sidewalk, pavement, and drainage swale   | Not provided     |  |  |
| WM              | Adjacent                  | Along the north side of US<br>17/92 between 1,800 feet<br>east of Shepherd<br>Lane/Nocatee Street and<br>east of Avenue A                                 | Varies<br>(30", 24",<br>8", 2"<br>and<br>unknown) | 3,500 feet            | Potential impacts; within existing ROW, just behind proposed sidewalk (within 5 feet)  | Not provided     |  |  |
| WM              | Adjacent                  | Along the north side of US 17/92 at the intersection with Avenue A  | Unknown   | 200 feet              | Direct impact; sidewalks, curb, and pavement (intersection reconstruction)   | Not provided     |  |  |
| RWM             | Adjacent                  | Along the north side of Old<br>Tampa Highway from US<br>17/92 to east of US 17/92   | 36"   | 100 feet              | No impacts anticipated   | \$0              |  |  |
| RWM             | Transverse                | 750 feet west of Avenue A under US 17/92  | Unknown   | +/- 100 feet          | Potential impacts to construction; RWM crosses under US 17/92 with depth unknown   |                  |  |  |
| WWGM            | Adjacent                  | Along the north side of US<br>17/92 existing ROW between<br>750 feet west of Avenue A<br>and Avenue A   | 8"  | 750 feet              | Potential impacts along the existing ROW   | Not provided     |  |  |
| WWGM            | Adjacent                  | Along the north side of US<br>17/92 at the intersection<br>with Avenue A  | 8"  | 200 feet              | Direct impact; sidewalks, curb, and pavement (intersection reconstruction)   | Not provided     |  |  |



| Utility<br>Type | Transverse<br>or Adjacent              | General Location   | Size    | Approximate<br>Length | Impacts   | Cost<br>Estimate |  |  |  |  |
|-----------------|--|--|---------|-----------------------|---|------------------|--|--|--|--|
|                 | Transtate Industrial Pipelines Systems |  |         |                       |   |                  |  |  |  |  |
| HPG             | Adjacent                               | Along the northside of CR 532 at the railroad tracks         | 20"     | 600 feet              | Potential impacts with the project's sidewalk construction adjacent to the railroad tracks <sup>1</sup>   | Not provided     |  |  |  |  |
|                 |  |  |         |                       | NOTES:<br>1) Further coordination with UAO is needed in<br>design   |                  |  |  |  |  |
| HPG             | Adjacent                               | North of US 17/92 at Old<br>Tampa Highway                    | 20"     | 1.4 miles             | Potential impacts: Asset appears to be within existing ROW directly adjacent to proposed roadway <sup>1</sup>   | Not provided     |  |  |  |  |
|                 |  |  |         |                       | NOTES:<br>1) Further coordination with UAO is needed in<br>design   |                  |  |  |  |  |
|                 |  | MCI  |         |                       |   |                  |  |  |  |  |
| BFO             | Adjacent                               | Runs along the railroad tracks north of US 17/92             | Unknown | 3.8 miles             | No anticipated impacts  | \$0              |  |  |  |  |
| OFOC            | Adjacent                               | Runs along US 17/92<br>between Ivy Mist Lane and<br>Avenue A | Unknown | 3.8 miles             | 3.8 miles       Direct Impacts         • Between Ivy Mist Lane and Sundown Drive         • Between 400 feet west of Wonder Court and 70 feet west of Suwannee Avenue         • Between 500 feet east of Shepherd Lane/Nocate         Street and 1,800 feet east of Shephere         Lane/Nocatee Street |                  |  |  |  |  |
|                 |  |  |         |                       | <ul> <li><u>Potential Impacts</u></li> <li>Between 700 feet west of Suwannee Avenue and 500 feet east of Shepherd Lane/Nocatee Street</li> <li>Between 1,800 feet east of Shepherd Lane/Nocatee Street and Avenue A</li> </ul>  |                  |  |  |  |  |



#### 4.2.2. Potential Adjustment Cost Data

Depending on facility location and depth, the proposed improvements may require adjustment of some or all of these utilities. No relocation costs were provided by the UAOs, so no utility relocation cost estimate can be provided at this time.

# Appendix A – Sunshine 811 Design Ticket & Data from UAO (June 2020)

### Melendez, Nikki

| From:<br>Sent:<br>To:<br>Subject:   | Sunshine 811 Exactix <no-reply@exactix.sunshine811.com><br/>Monday, March 15, 2021 2:35 PM<br/>Melendez, Nikki<br/>[External] SSOCOF CONFRM 2021/03/15 #00000 074106205-000 NORM DSGN NEW</no-reply@exactix.sunshine811.com>   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|
|   | ALL SUNSHINE 03/15/21 14:35:23ET 074106205-000 DESIGN GRID Ticket :<br>000 Taken: 03/15/21 14:34ET   |  |  |  |  |  |  |  |  |  |
| State: FL Cnty:<br>CallerPlace: DA<br>Subdivision:  | : OSCEOLA GeoPlace: DAVENPORT<br>AVENPORT  |  |  |  |  |  |  |  |  |  |
| Address :<br>Street : US 17<br>Cross 1 : IVY M<br>Within 1/4 mile   | 1IST LN  |  |  |  |  |  |  |  |  |  |
| Locat: DESIGN   |  |  |  |  |  |  |  |  |  |  |
| IN RESPONSE TO<br>TICKET WITH A I<br>NOT NOTIFY SSOC<br>RESPONSIBILITY<br>ABOUT THE LOCAT<br>UNDERGROUND FAC<br>OF CHAPTER 556,<br>THAT INTENT MUS<br>AN EFFORT TO SF<br>BEGIN EXCAVATIO<br>REFERENCED, ANI   | :<br>Remarks : DESIGN TICKET<br>IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN<br>TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES<br>NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE<br>RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION<br>ABOUT THE LOCATION OF SSOCOF MEMBERS'<br>UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT<br>OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH.<br>THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN<br>AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO<br>BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE<br>REFERENCED, AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE<br>EXCAVATION REQUEST. |  |  |  |  |  |  |  |  |  |
|   | A8132C 2815A8132D 2815B8129A 2815B8129B 2815B8130A   |  |  |  |  |  |  |  |  |  |
| Work date: 03/15/21 Time: 13:46ET Hrs notc: 000 Category: 6 Duration: UNKNOWN Due Date : 03/17/21 Time: 23:59ET Exp Date : 04/14/21 Time: 23:59ET Work type: DESIGN Boring: N<br>White-lined: N<br>Ug/Oh/Both: U Machinery: N Depth: UNK Permits: N N/A Done for : DESIGN   |  |  |  |  |  |  |  |  |  |  |
| Company : VANASSE, HANGEN, BRUSTLIN, INC. (VHB) Type: CONT Co addr : 225 E. ROBINSON<br>STREET, SUITE 300 Co addr2: SUITE 300<br>City : ORLANDO State: FL Zip: 32801<br>Caller : ELIZABETH MELENDEZ Phone: 407-839-4006 Contact : DESIGN Phone:<br>BestTime: 8-5 M-F<br>Email : NMELENDEZ@VHB.COM<br>Submitted: 03/15/21 14:34ET Oper: ELI Chan: WEB Mbrs :<br>CFPIPL MARK CLARK 727-271-0024 |  |  |  |  |  |  |  |  |  |  |
| KINDER M<br>2101 GAT  | MORGAN / CENTRAL FLORIDA PIPELIN<br>TX DR  |  |  |  |  |  |  |  |  |  |

TAMPA, FL 33605 Level 1: Level 2: Level 3: Level 4: CNTL01 BILL MCCLOUD 850-599-1444 CENTURYLINK 1325 BLAIRSTONE RD RM 113 TALLAHASSEE, FL 32301 Level 1: CASE BY CASE BASIS Level 2: CASE BY CASE BASIS Level 3: CASE BY CASE BASIS Level 4: CASE BY CASE BASIS CVCFTV RAMON NUNEZ 407-215-5870 CHARTER COMMUNICATIONS 3767 ALL AMERICAN BLVD ORLANDO, FL 32810 Level 1: \$91.50 PER HR / 2 HR MINIMUM REQUEST WILL NEED TO BE IN WRITING Level 2: \$91.50 PER HR / 2 HR MINIMUM REQUEST WILL NEED TO BE IN WRITING Level 3: \$55.54 PER HOUR / 2 HOUR MINIMUM Level 4: SERVICES NOT PROVIDED BY MEMBER FPC313 STEPHANIE OLMO 407-905-3376 DUKE ENERGY 452 E CROWN POINT RD WINTER GARDEN, FL 34787 Level 1: SERVICES NOT PROVIDED BY MEMBER Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER FWS701 FWS704 HW1474 ONE CALL CENTER 918-547-9694 CENTURYLINK ONE TECHNOLOGY CENTER, MD II TULSA, OK 74103 Level 1: Level 2: Level 3: Level 4: 877-366-8344 Ext: 2 L3C900 NETWORK RELATIONS CENTURYLINK 1025 ELDORADO BLVD BROOMFIELD, CO 80021 Level 1: CONTACT MEMBER DIRECTLY FOR FEE SCALE Level 2: CONTACT MEMBER DIRECTLY FOR FEE SCALE Level 3: CONTACT MEMBER DIRECTLY FOR FEE SCALE Level 4: CONTACT MEMBER DIRECTLY FOR FEE SCALE LCA395 ANDREW SWEENEY 904-738-6898 COMCAST CABLE 5934 RICHARD ST JACKSONVILLE, FL 32216 Level 1: Level 2: Level 3: Level 4: MCIU01 MCIU01 INVESTIGATIONS 469-886-4091 MCI 7000 WESTON PARKWAY, SITE CODE: CRYANC CARY, NC 27513-2119 Level 1: \$0

Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER OC1586 JACK LOTT 321-624-1590 OSCEOLA COUNTY TRAFFIC 3850 OLD CANOE CREEK RD ST CLOUD, FL 34769 Level 1: PROVIDE CONTRUCTION DRAWINGS OF EXISTING TRAFFIC SIGNALS FOR \$5 A SHEET. Level 2: MEMBER DOES NOT PROVIDE THIS SERVICE Level 3: MEMBER DOES NOT PROVIDE THIS SERVICE Level 4: MEMBER DOES NOT PROVIDE THIS SERVICE PE1741 MARK HURST 727-820-5208 DUKE ENERGY 299 1ST AVE N PEF10-4 ST PETERSBURG, FL 33701 Level 1: SERVICES NOT PROVIDED BY MEMBER Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER PGSORL JOAN DOMNING 813-275-3783 TECO PEOPLES GAS- ORLANDO 8416 PALM RIVER RD TAMPA, FL 33619 Level 1: NONE AT THIS MOMENT Level 2: NONE AT THIS MOMENT Level 3: NONE AT THIS MOMENT Level 4: NONE AT THIS MOMENT SE2188 STEVE PECK 201-853-4218 SPECTRA ENERGY -SABAL TRAIL MATTHEW WOO FAX 407-586-7611 6701 OSCEOLA POLK LINE RD DAVENPORT, FL 33896 Level 1: Level 2: Level 3: Level 4: 772-778-2255 TI1322 TOM ULMER\*\* TRANSTATE INDUSTRIAL PIPELINE SYSTEMS, P. O. BOX 700130 WABASSO, FL 32970 Level 1: ENGINEERING: \$70.00/HR (2 HR MIN) CALL FOR ESTIMATE Level 2: ENGINEERING: \$70.00/HR FIELD TECH: \$60.00/HR (2 HR MIN) Level 3: FIELD TECH: \$60.00/HR (2 HR MIN) Level 4: FIELD TECH: \$60.00/HR (2 HR MIN) SURVEY/VACUUM EXC NOT PROVIDED

#### Utility Agency/Owner Contacts

| Service Area                                | Utility Type                | Contact               | Phone        | Email                              |
|---|-----------------------------|-----------------------|--------------|------------------------------------|
| 1 CenturyLink                               | Fiber, Telephone            | Bill McCloud          | 850-599-1444 | William.McCloud@centurylink.com    |
| 2 Charter Communications                    | CATV, Fiber, Telephone      | Ramon Nunez           | 407-215-5870 | Ramon.Nunez@charter.com            |
| 3 Comcast Communications                    | CATV                        | Andrew Sweeney        | 904-738-6898 | Andrew_Sweeney@comcast.com         |
| 4 Duke Energy                               | Fiber; Electric             | Mark Hurst            | 727-820-5208 | DEFDistributionGOV@duke-energy.com |
| 5 Kinder Morgan / Central Florida Pipeline  | Fuel Oil Pipeline           | Mark Clark            | 727-271-0024 | Mark_Clark@kindermorgan.com        |
| 6 MCI                                       | Communication Lines, Fiber  | MCIU01 Investigations | 469-886-4091 | Investigations@one.verizon.com     |
| 7 Osceola County Traffic                    | Fiber, Traffic Lights       | Jack Lott             | 407-742-7534 | Jack.Lott@osceola.org              |
| 8 Spectra Energy / Sabal Trail              | Gas                         | Steve Peck            | 201-853-4218 | Erica.Jacobson@enbridge.com        |
| 9 Teco Peoples Gas                          | Gas                         | Joan Domning          | 813-275-3783 | JDomning@tecoenergy.com            |
| 10 Toho Water Authority - Zone 1 and Zone 4 | Reclaimed Water, Wastewater | Janet Patrick         | 407-944-5034 | JPatrick@tohowater.com             |
| 11 Transtate Industrial Pipeline Systems    | Gas                         | Tom Ulmer             | 772-778-2255 | Tom@transtate.us                   |

| Prime Consultant  | Amy Sirmans -           | VHB                |  |                                |  |   |          |                       |                       |  |   |                       |  | Due          | Actua |
|---|-------------------------|--------------------|--|--------------------------------|--|---|----------|-----------------------|-----------------------|--|---|-----------------------|--|--------------|-------|
| Utility Coordinator   | Kevin Freeman           | - VHB              |  | FINANCIAL PROJECT NUMBER:      |  |   |          | 437                   | 200-1                 |  |   | Utility Contact Date: |  |              |       |
| Utility Coordinator E-mail<br>Address:  | kfreeman@VHB            | <u>com</u>         |  |                                | COU                                    | INTY  |          |                       | Oso                   | ceola  |   |                       | District/Resident<br>Utility Review Date:  |              |       |
| Utility Coordinator Phone<br>Number:  | 407-965-05              | 00                 |  |                                | STATE                                  | ROAD  |          |                       | U.S.                  | 17-92  |   |                       | Certification Date:  |              |       |
| FDOT Project Manager:   | Lorena Cuce             | ٤k                 |  | FEDE                           | RAL AID                                | PROJECT (   | FAP#)    |                       | т                     | BD   |   |                       | Production Date:   |              |       |
| FTE Utility Project   | N/A                     |                    |  |                                | LIN                                    | ITS   |          | F                     | rom Ivy Mist l        | .ane to Avenue                                   | A   |                       | Letting Date:  |              |       |
| Manager:<br>Resident Utility<br>Coordinator   |                         |                    |  |                                | JOB DES                                |   | N        |                       | PD&E                  | Study  |   |                       | FDOT Certification<br>Issued:  |              |       |
| Utility Kick-Off Meeting (packet provided)<br>(Date, Time & Location)   |                         |                    | (The information above shall appear o<br>Pre-Design Conference Information<br>(Date, Time & Location): |                                |  | on all correspondence with the UAO's)<br>Utility Conference Information<br>(Date, Time & Location): |          |                       |                       |  | Plans Date (Must be refere<br>& Utility Wor | rk Schedules)         |  |              |       |
|   | N/A                     |                    |  |                                | N                                      | /A  |          |                       | т                     | BD   |   |                       | T  | 3D           |       |
|   |                         |                    |  |                                |  |   | 437200-: | 1                     |                       |  |   |                       |  |              |       |
| Utility Agency (<br>(Utility Company, Contact Perso<br>alphabetical or  | on, Mailing Address; in | Initial<br>Contact | Master<br>Agreement  | Conflict Matrix<br>Sent to DUO | Doc's Sent to<br>DUO/RUE for<br>Review | QA/QC Sent to<br>DUO  | UWS      | No Conflict<br>Letter | No Facility<br>Letter | Marked Plans                                     | Scheduling Tool<br>Sent to DUO              | CLEAR or<br>CLOSED    | COMMENTS / RESOL<br>(including any reimbu  |              |       |
| Century Link<br>Bill McCloud<br>(850) 599-1444<br>William.Mccloud@centurylink.com   |                         | 10/14/2021         |  |                                |  |   |          |                       |                       | No   |   |                       |  |              |       |
| Charter Communications<br>Ramon Nunez<br>(407) 215-5870<br>Ramon.Nunez@charter.com<br>Todd Hudson<br>Todd Hudson@charter.com                          |                         | 10/14/2021         |  |                                |  |   |          |                       |                       | No   |   |                       | Todd Hudson Undeliverable b  | oth times    |       |
| Concast Communications<br>Andrew Sweeney<br>904) 738-6898<br>Andrew_Sweeney@comcast.com<br>.iam McKenna<br>904) 362-4151<br>.iam, McKenna@comcast.com |                         | 10/14/2021         |  |                                |  |   |          |                       |                       | No   |   |                       |  |              |       |
| Duke Energy<br>Mark Hurst<br>727) 820-5208<br>/ivian Castro-Cintron<br>407) 504-7330<br>JEFDistributionGOV@duke-energy.                               | com                     | 10/14/2021         |  |                                |  |   |          |                       |                       | Yes  |   |                       | Buried and overhead electric<br>to be relocated (TBD) due to<br>interchange                        |              | •     |
| inder Morgan / Central Florida Pip<br>Nark Clark<br>727) 271-0024<br>Nark_Clark@kindermorgan.com  | eline                   | 10/14/2021         |  |                                | <u>.</u>                               |   |          |                       |                       | No, but not<br>needed<br>because no<br>conflicts |   |                       | No piplines within project are<br>pipeline, but it is within the r<br>to any proposed construction | ailroad R/W, |       |

|    | Utility Agency Owner<br>(Utility Company, Contact Person, Mailing Address; in<br>alphabetical order) | Initial<br>Contact | Master<br>Agreement | Conflict Matrix<br>Sent to DUO | Doc's Sent to<br>DUO/RUE for<br>Review | QA/QC Sent to<br>DUO | UWS | No Conflict<br>Letter | No Facility<br>Letter | Marked Plans                                     | Scheduling Tool<br>Sent to DUO | CLEAR or<br>CLOSED | COMMENTS / RESOLUTION DATES (ETC)<br>(including any reimbursement/UWHC info)   |
|----|--|--------------------|---------------------|--------------------------------|--|----------------------|-----|-----------------------|-----------------------|--|--------------------------------|--------------------|--|
| 6  | NCI<br>NCIUO1 Investigations<br>469) 886-4091<br>Investigations@one.verizon.com                      | 10/14/2021         |                     |                                |  |                      |     |                       |                       | Yes  |                                |                    | Several lines within project area  |
| 7  | Dsceola County Traffic<br>Jack Lott<br>407) 742-7534<br>Jack.Lott@osceola.org                        | 10/14/2021         |                     |                                |  |                      |     |                       |                       | No, but not<br>needed<br>because no<br>conflicts |                                |                    | No fiber optic lines within project area. Oscoela County<br>fiber terminates at S Poinciana Blvd and S. OBT  |
| 8  | Spectra Energy / Sabal Trail<br>Erica Jacobson<br>407) 966-2928<br>Frica.Jacobson©enbridge.com       | 10/14/2021         |                     |                                |  |                      |     |                       | Yes                   | Yes  |                                |                    | Responded showing the location of their 36" high<br>pressure natural gas pipeline in sheets 3A-7. Pipeline is<br>not near any of our proposed construction                           |
| 9  | TECO People's Gas<br>Joan Domning<br>813) 275-3783<br>JDomning@teccenergy.com                        | 10/14/2021         |                     |                                |  |                      |     |                       |                       | Yes  |                                |                    | 8" Gas Line along and near WB US 17-92 from Avenue A<br>to CR 532  |
| 10 | Toho Water Authority - Zone 1 and Zone 4<br>Janet Patrick<br>407) 944-5034<br>IPatrick@tohowater.com | 10/14/2021         |                     |                                |  |                      |     |                       |                       | No   |                                |                    | Passed on to Robert Pelham, Director of Engineering  |
| 11 | Franstate Industrial Pipeline Systems<br>Fom Ulmer<br>772) 778-2255<br>Fom@transtate.us              | 10/14/2021         |                     |                                |  |                      |     |                       |                       | Yes  |                                |                    | Responded saying Kissimmee Utility Authority owns a 20"<br>high pressure natural gas pipeline in sheets 3A-7, which<br>presents a direct conflict with proposed Old Tampa<br>Highway |

October 14, 2021



ATTN: Utility Owner

#### RE: ADJUSTMENT OF UTILITIES – STATE STATUTES CHAPTER 337.403 State Road: U.S. 17-92 from Ivy Mist Lane to Avenue A Description: Project Development and Environment (PD&E) Study County: Osceola FPID No.: 437200-1

The Florida Department of Transportation (FDOT) proposes improvements to the above designated roadway as shown by the attached concept plans. Utilities owned by you may conflict with the proposed improvements. Suitable arrangements must be made between your agency and the FDOT for accomplishing, scheduling, and completing any work that may be required for the proper coordination of such activities with the planned improvements.

Enclosed you will find PD&E Study Concept Plans. Please mark all sets of the attached plans confirming the material type, size, and location of your existing and out-of-service utility facilities. Along with your mark-ups, please include any as-builts or record plans, atlas maps or any additional plans or information that may help to describe and define the type and location of these facilities. Any and all information provided by your office will be used during the PD&E process to help identify and minimize potential conflicts. Please include in your return transmittal a statement whether your agency will make a claim for reimbursement and upon what basis you will support the claim. Please review the attached plan set and provide your response (marked plans and requested documentation) by *November 25, 2021, 6 WEEKS OUT FROM CONTACT DATE*.

Your input and continued cooperation on this project is essential to the design and utility coordination effort. Should you have any questions do not hesitate to contact me directly at 407-965-0500, or by email at <u>kfreeman@vhb.com</u>.

Sincerely, VANASSE HANGEN BRUSTLIN, INC

Kevin Freeman

Kevin Freeman Utility Coordinator

CC: TBD

225 E. Robinson Street, Suite 300 Landmark Center Two Orlando, Florida 32801 P 407.839.4006 F 407.839.4008

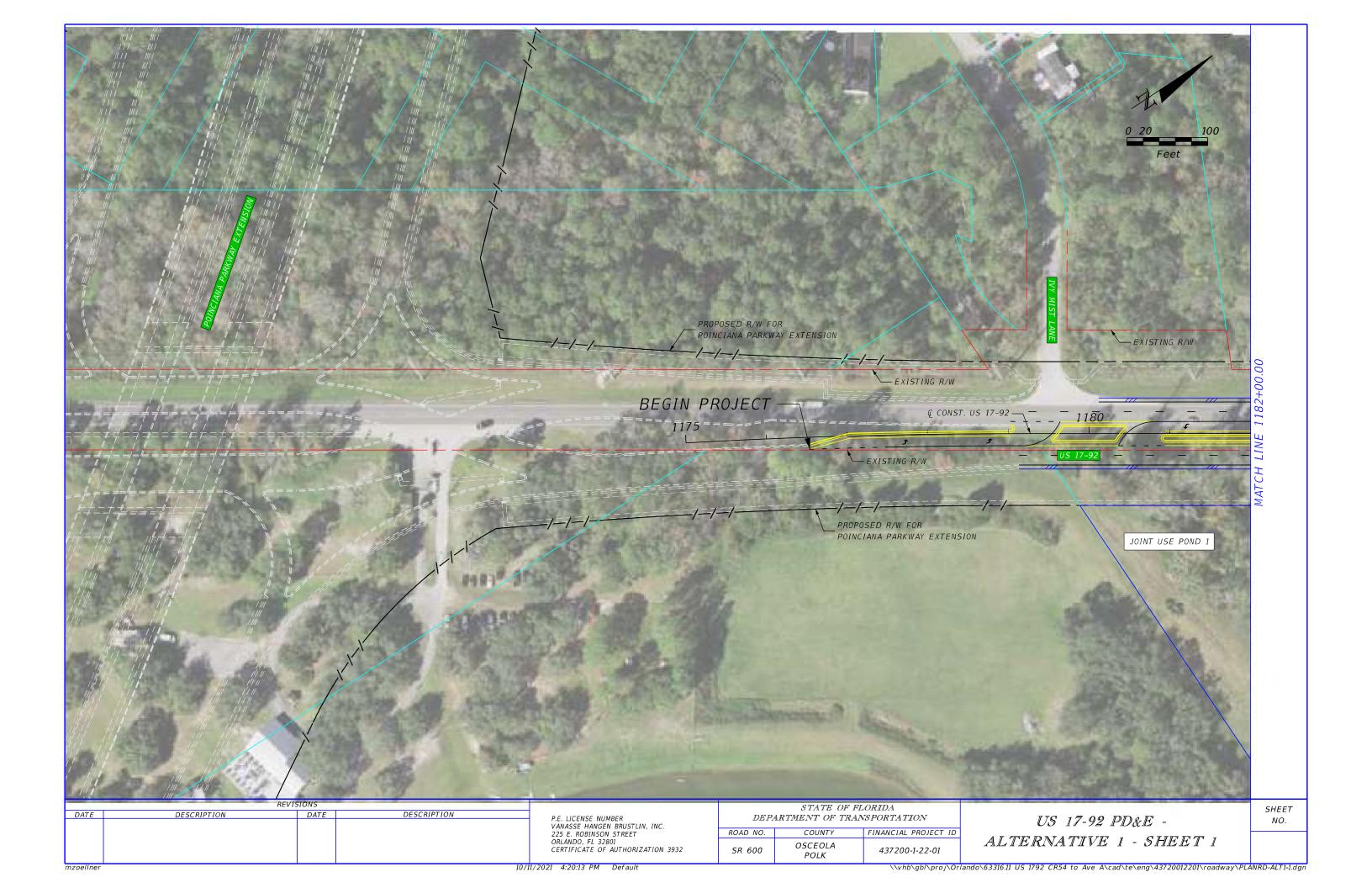
Engineers | Scientists | Planners | Designers

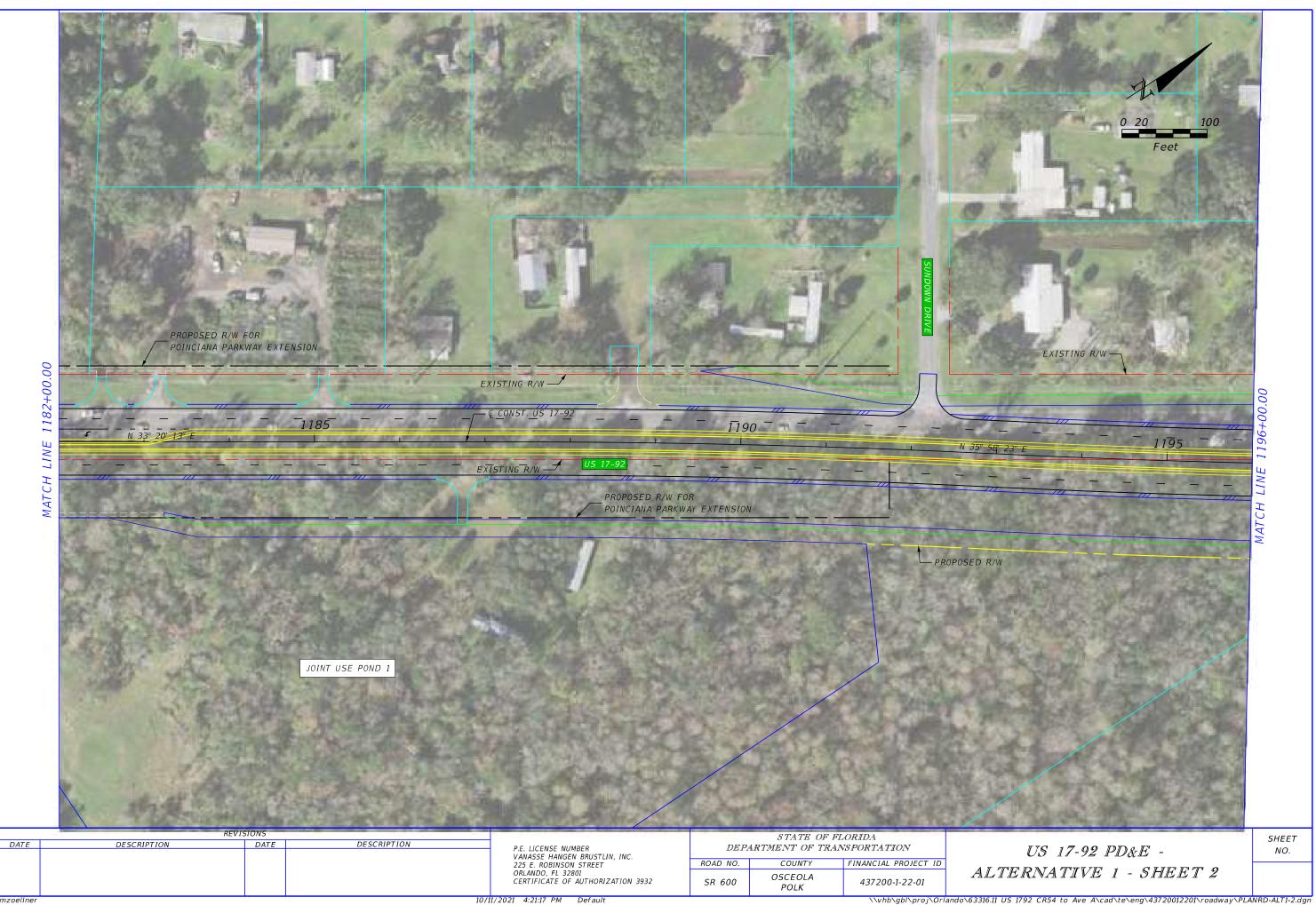
Initial Utility Contact Letter U.S. 17-92 Project Development and Environmental Study FPID: 437200-1 VHB Project No. 63316.11 Page 2

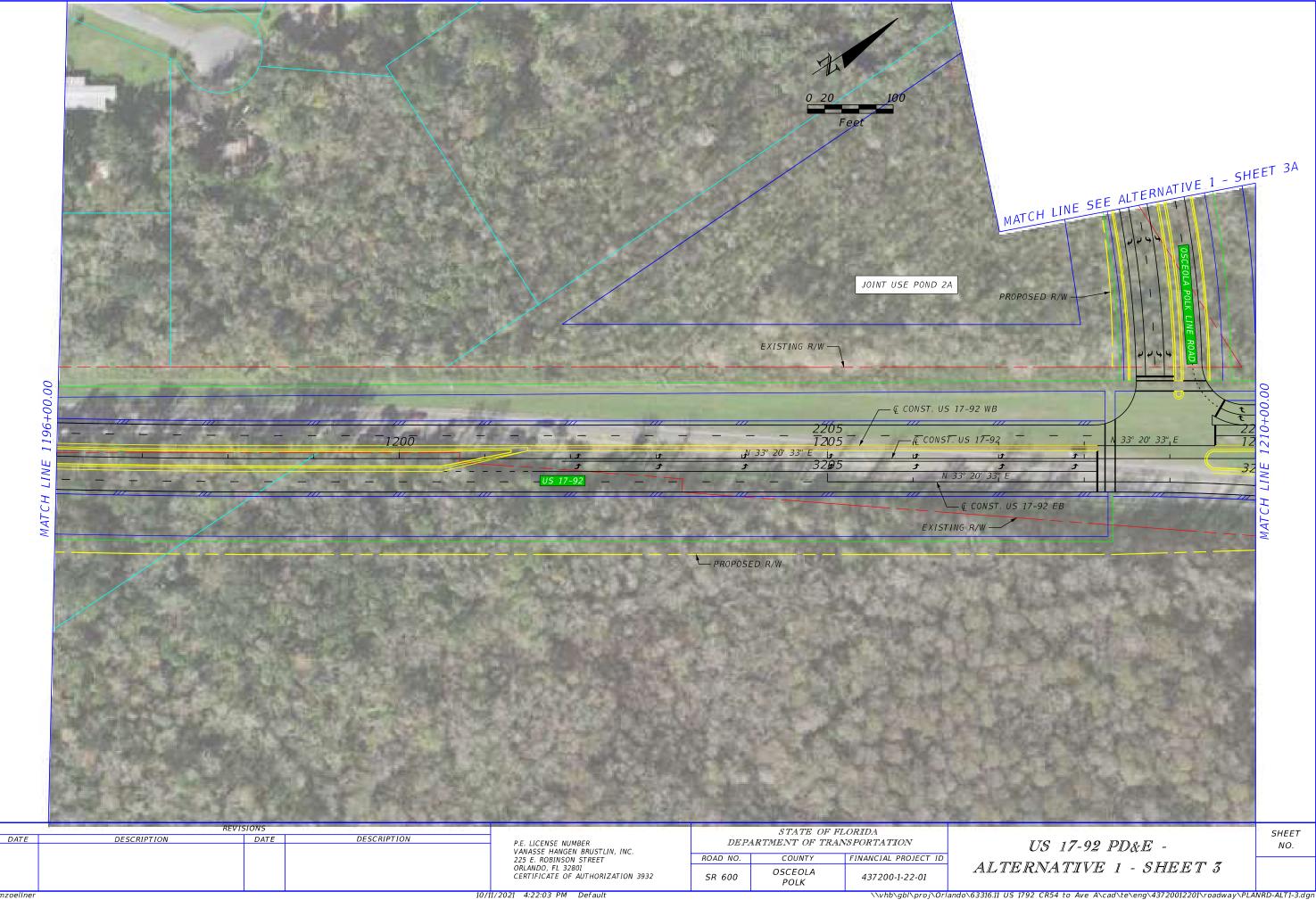


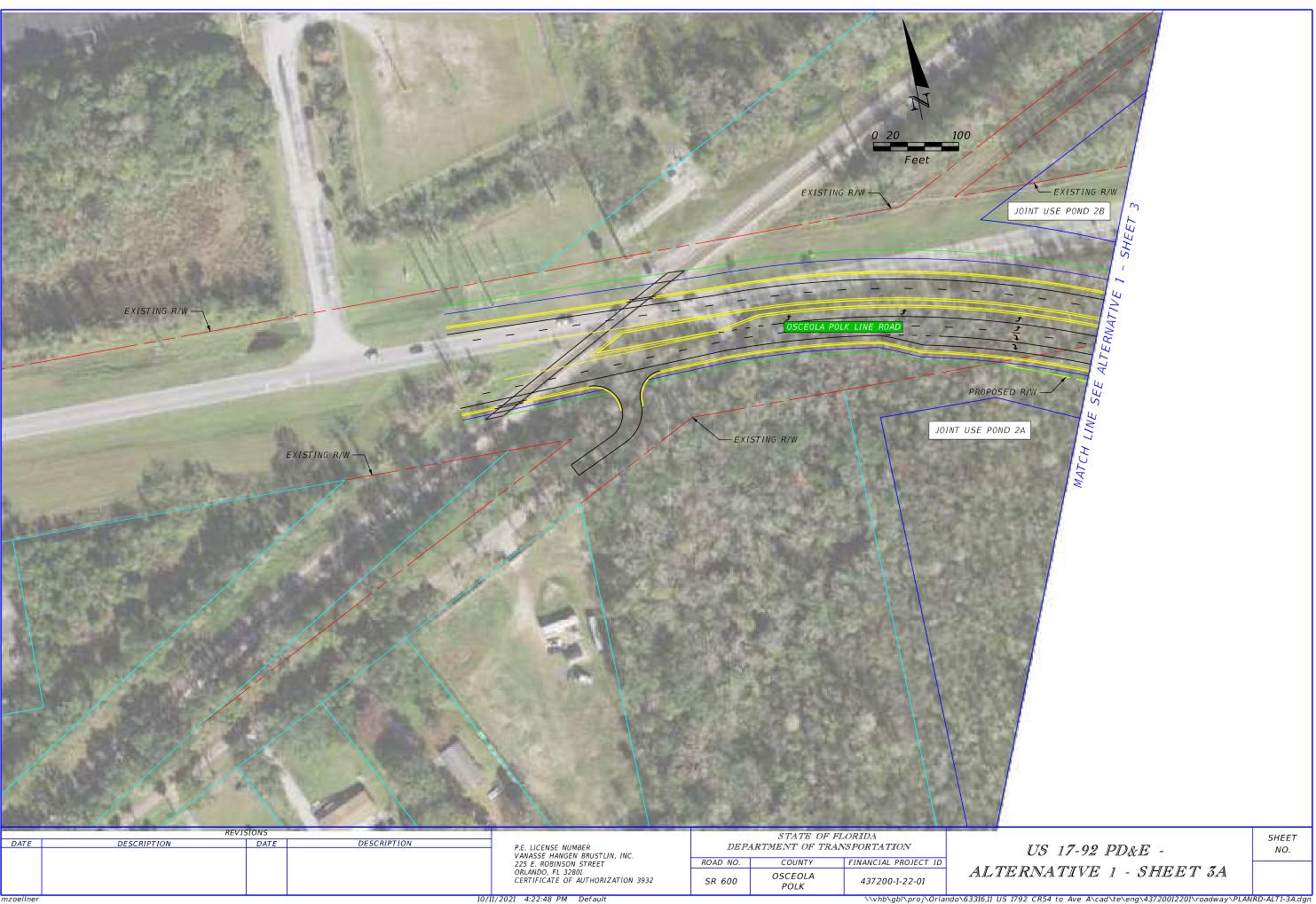
# Attachments:(1) PDF file of the PD&E Study Concept Plans(1) Template for No Facilities Letter (to be completed and returned, if applicable)

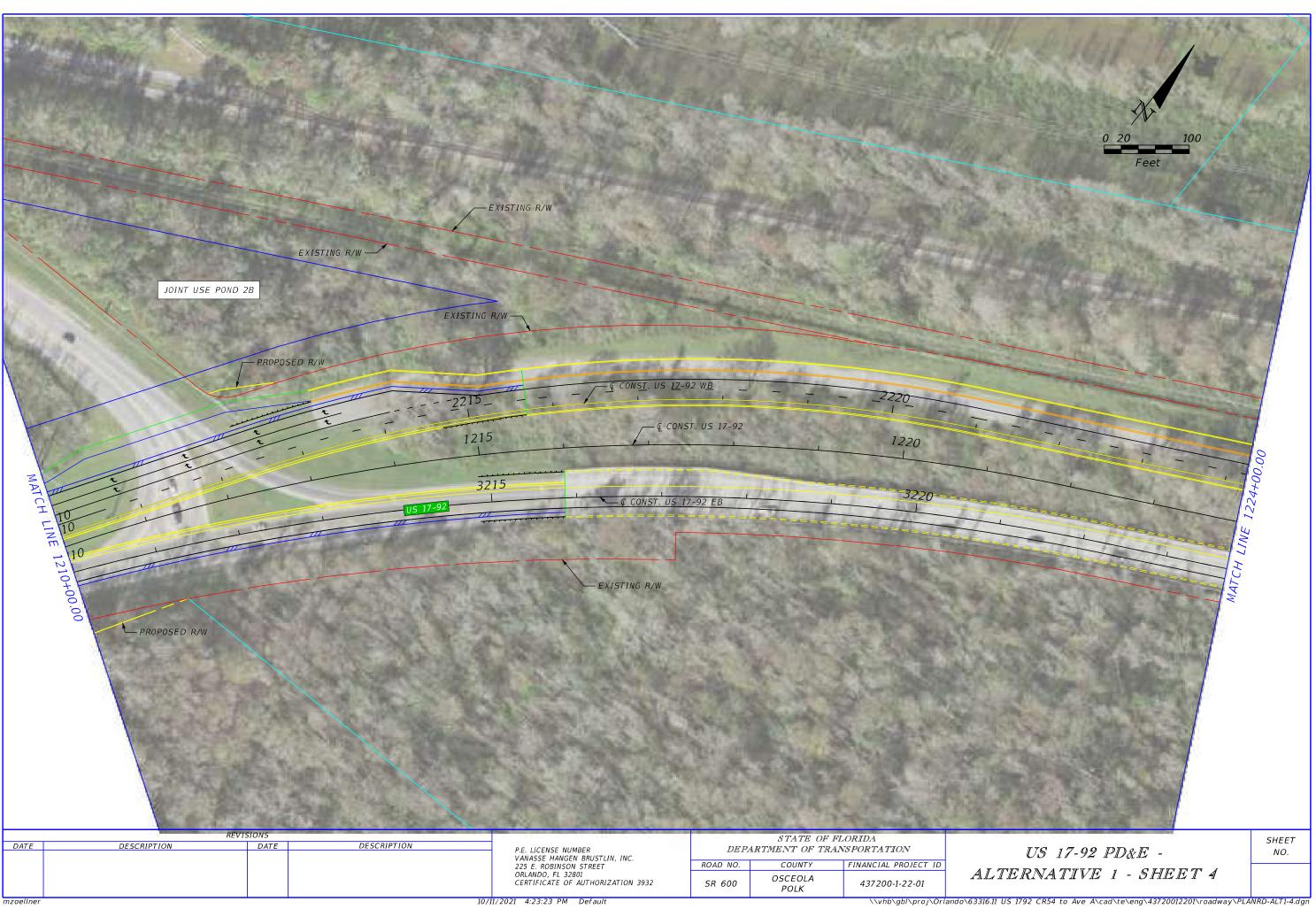
## Appendix B – UAO Contacts & Sunshine 811 Design Ticket

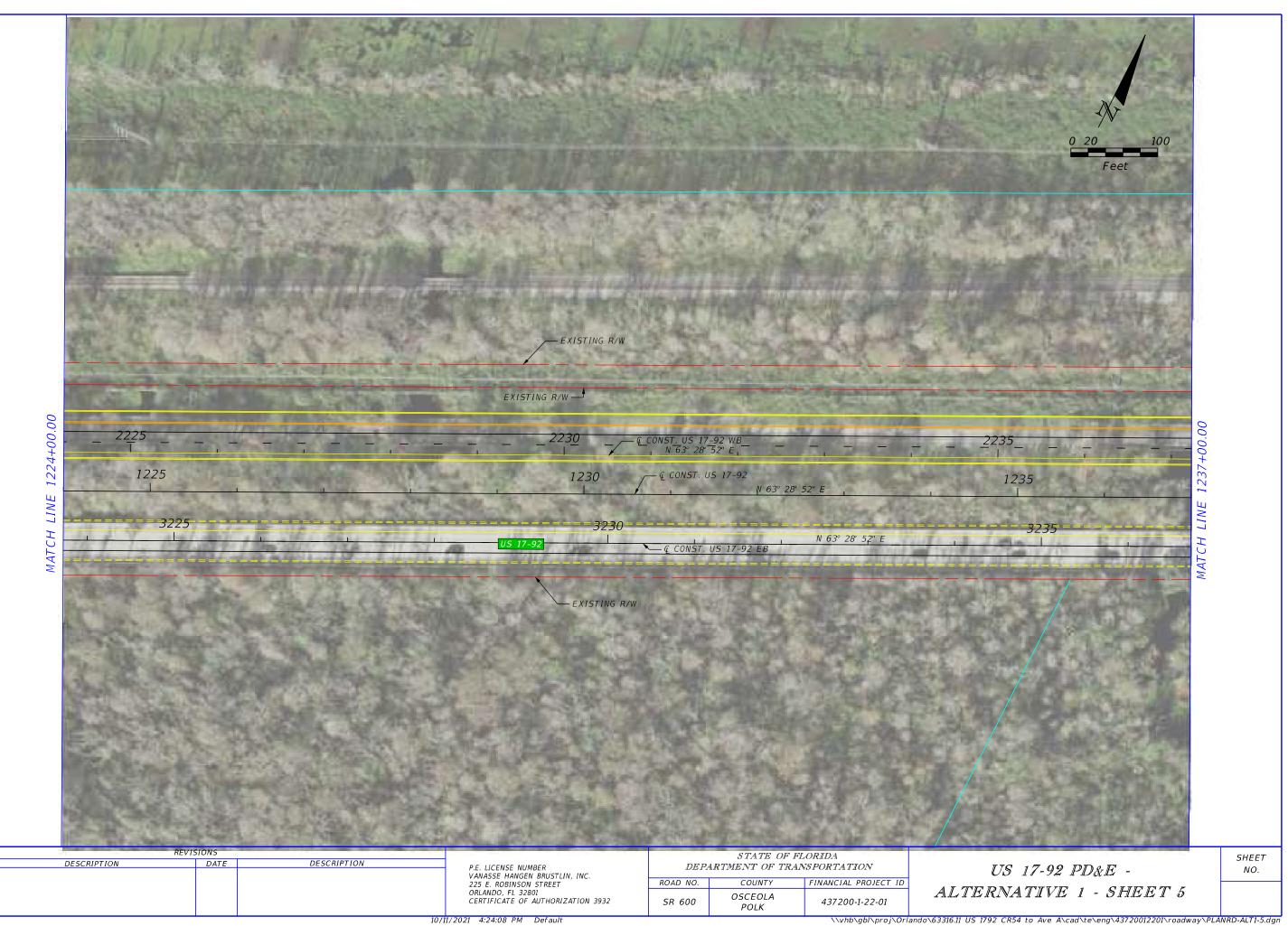


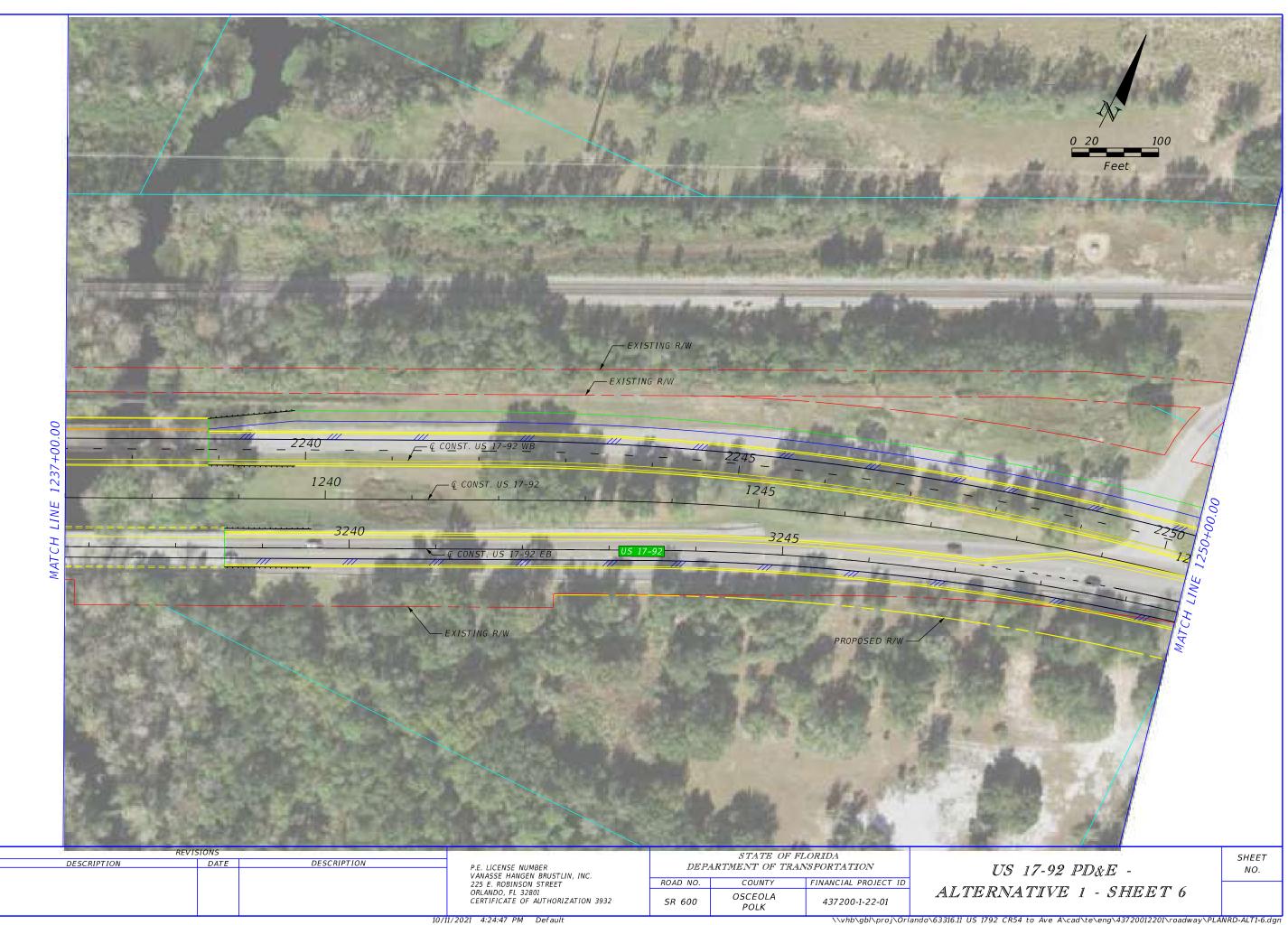


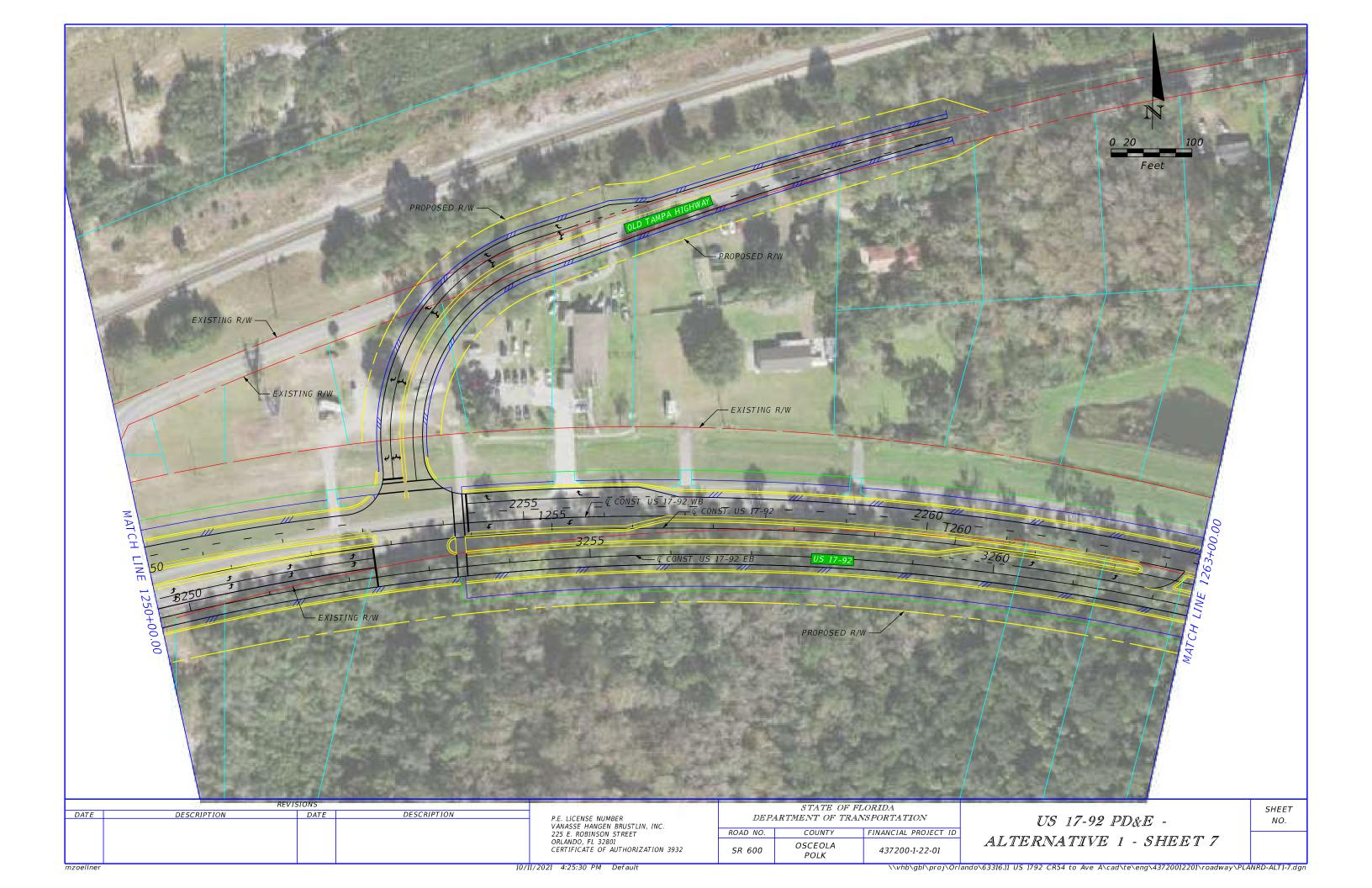


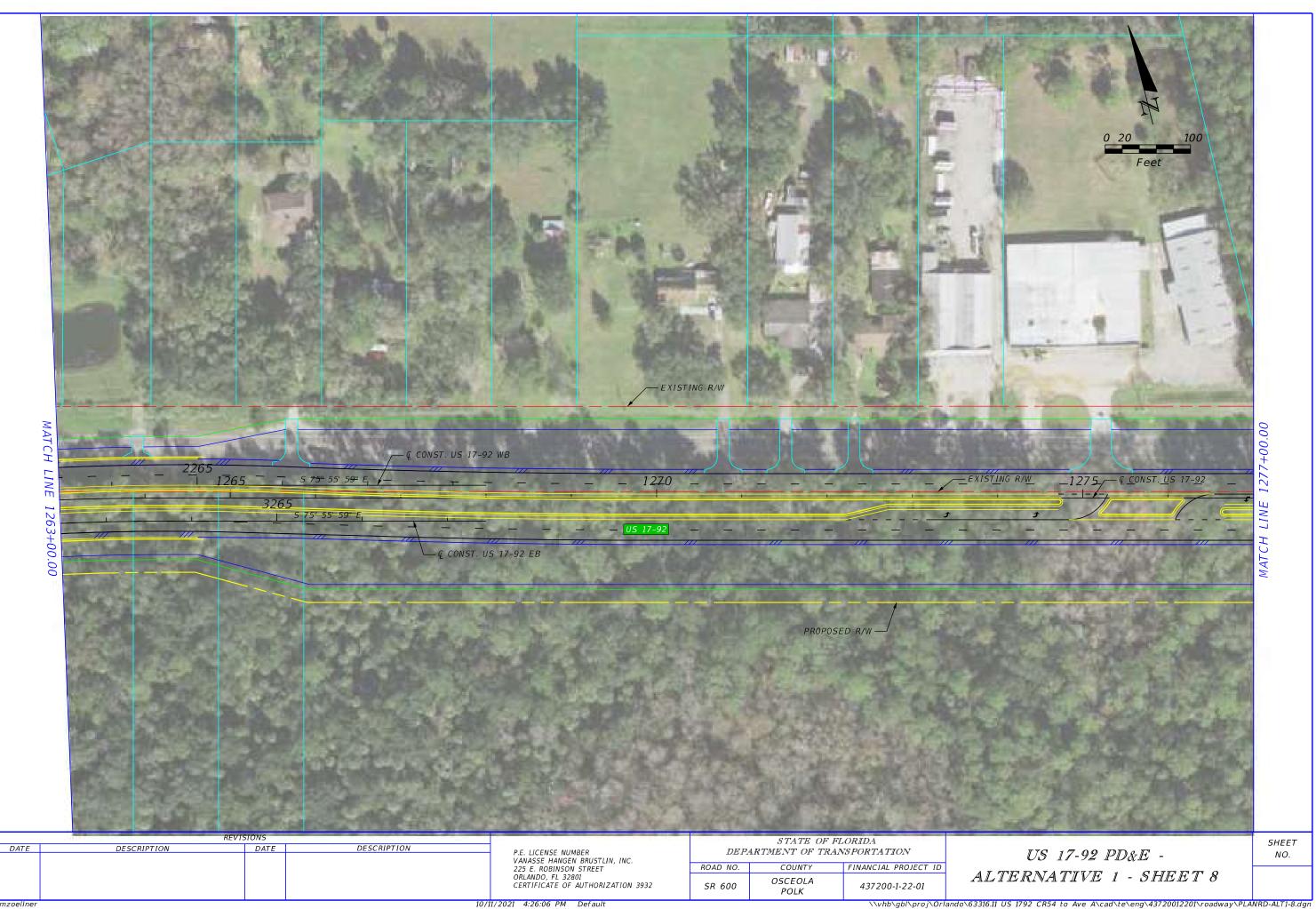




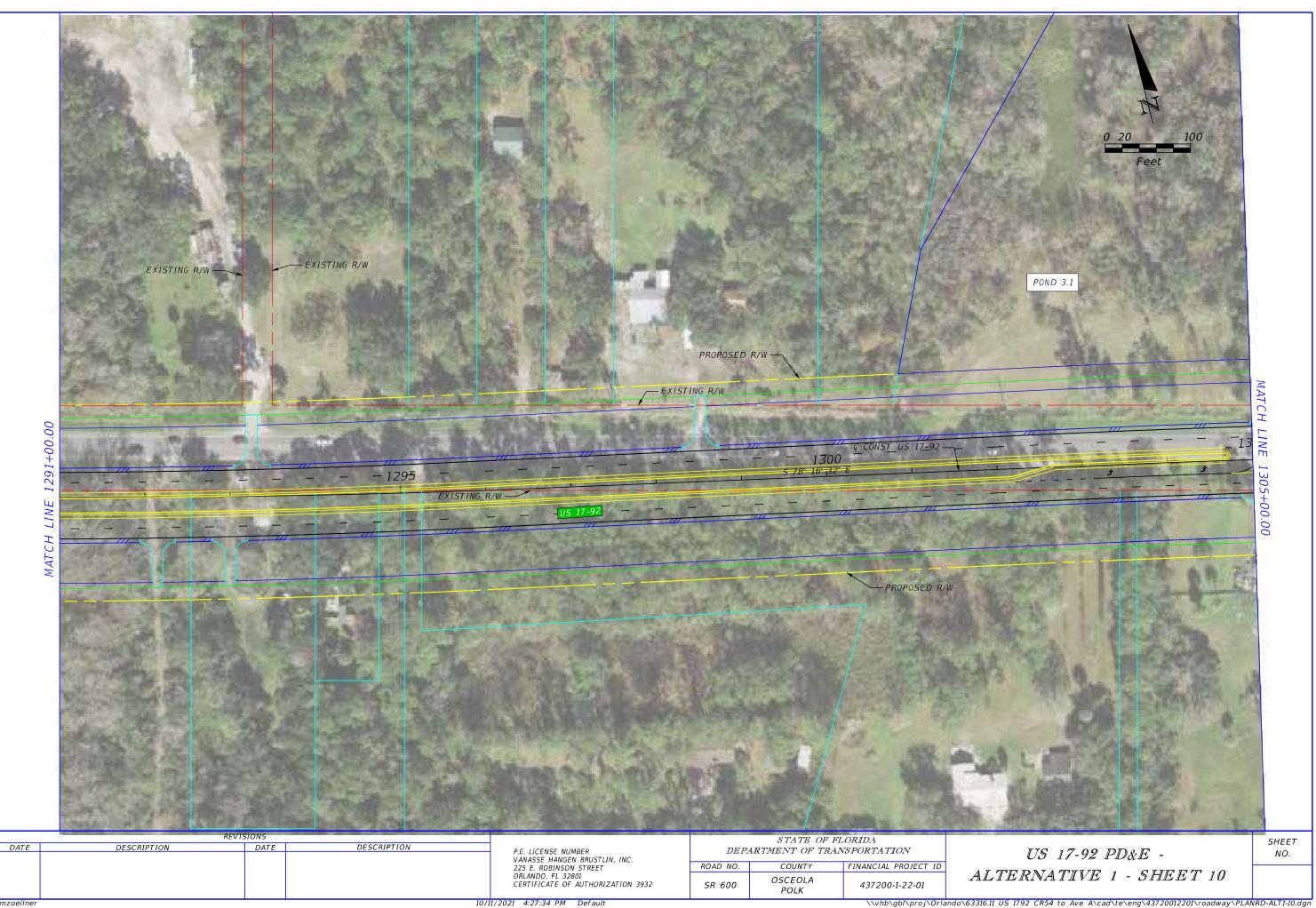


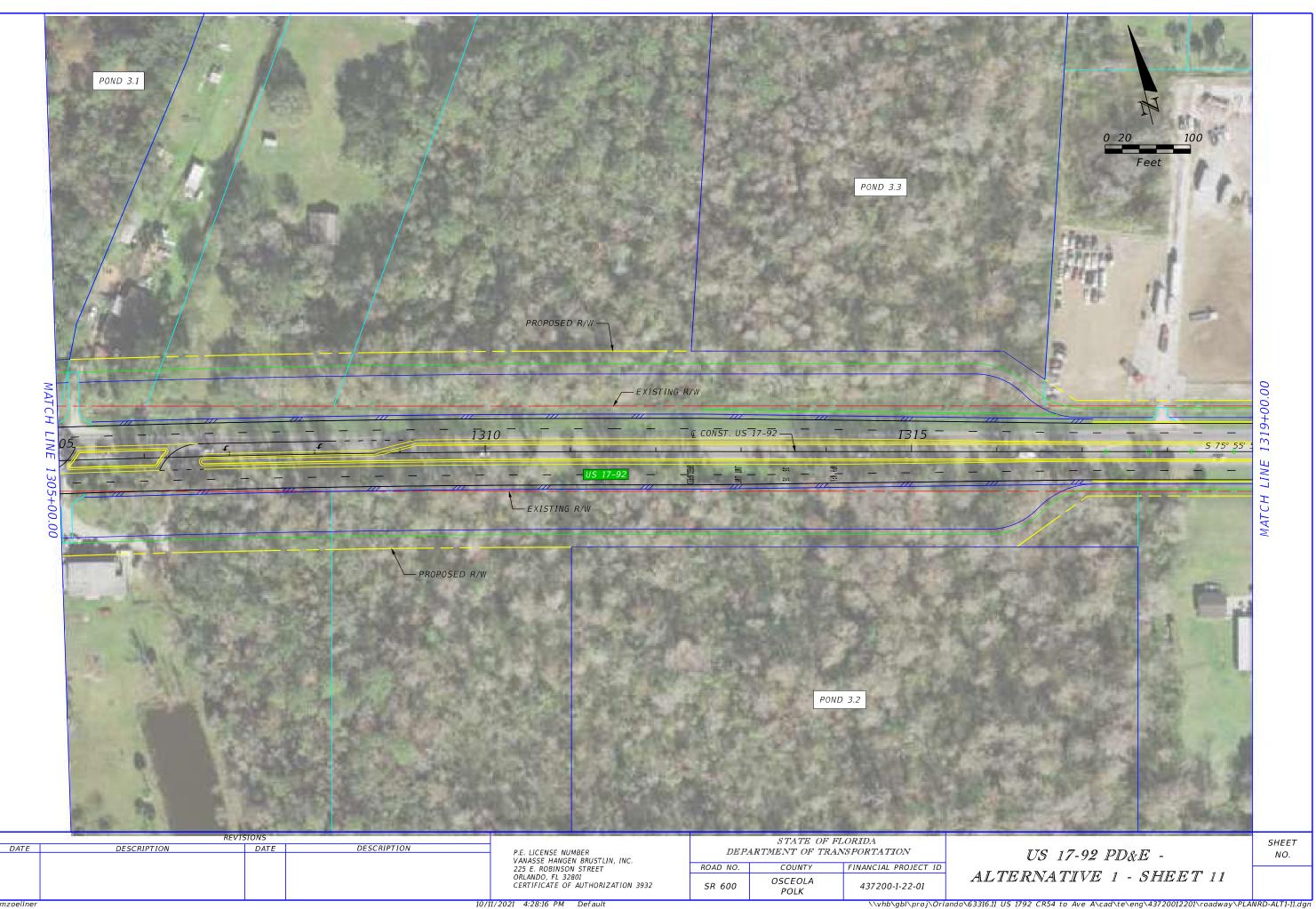






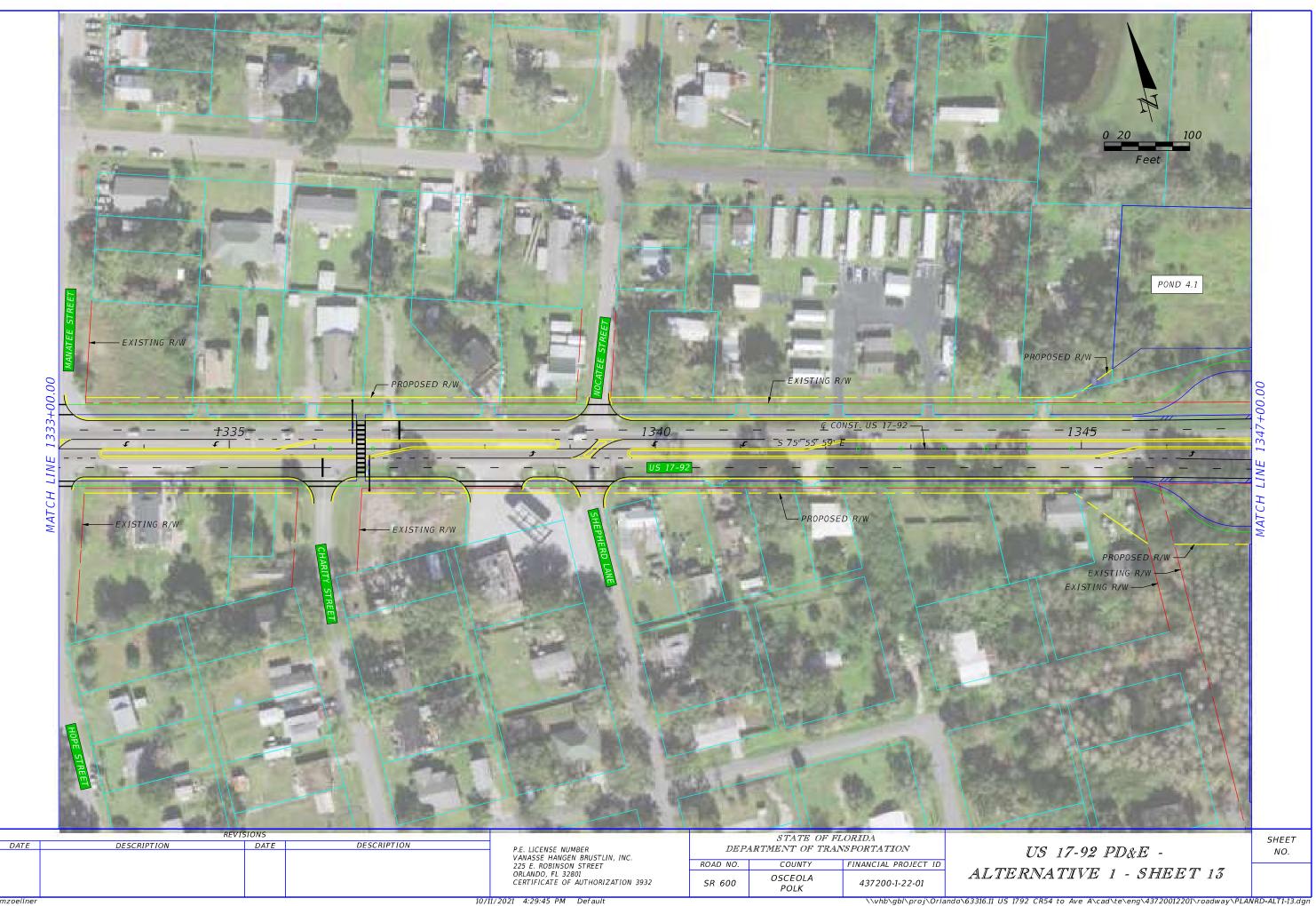


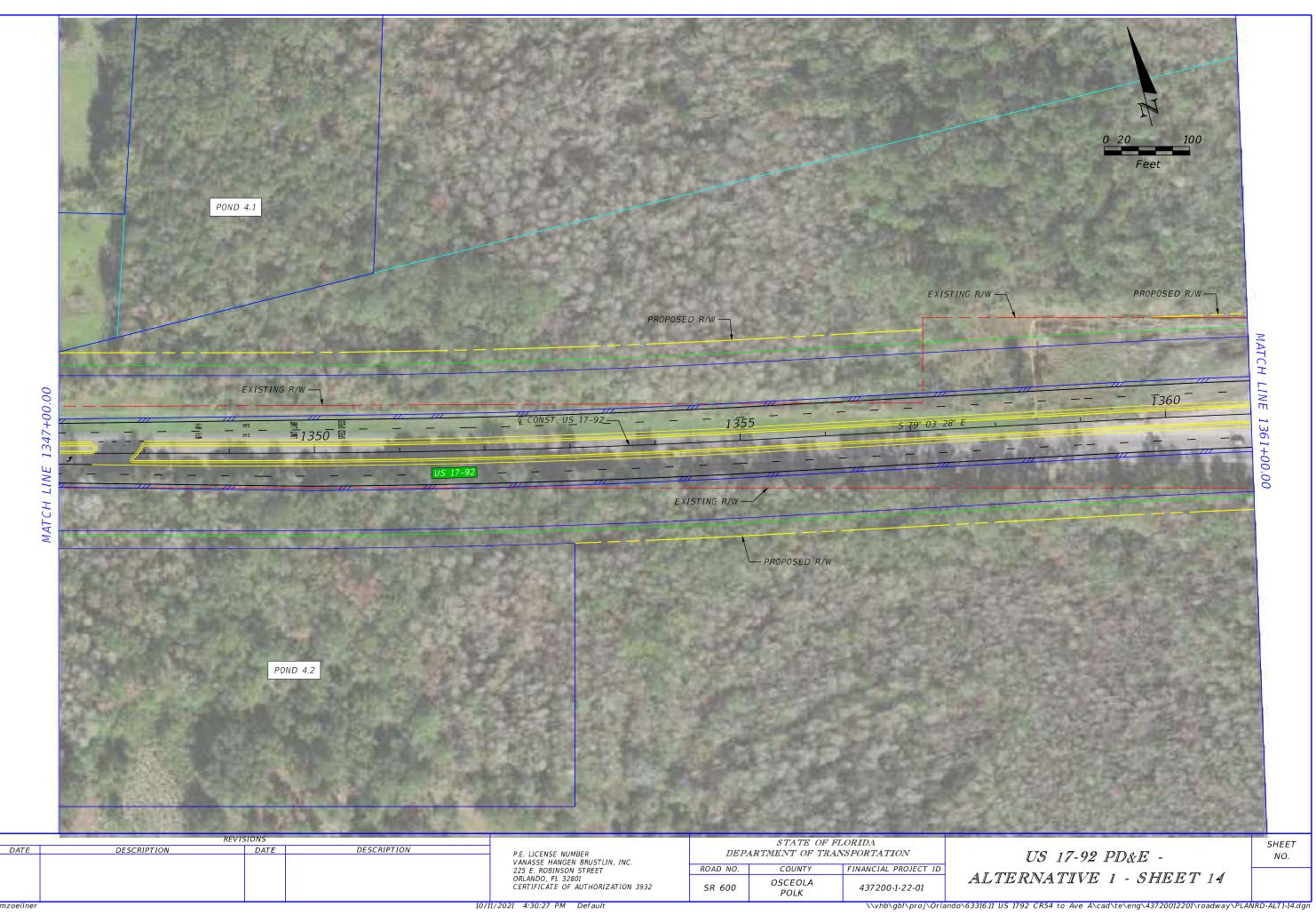


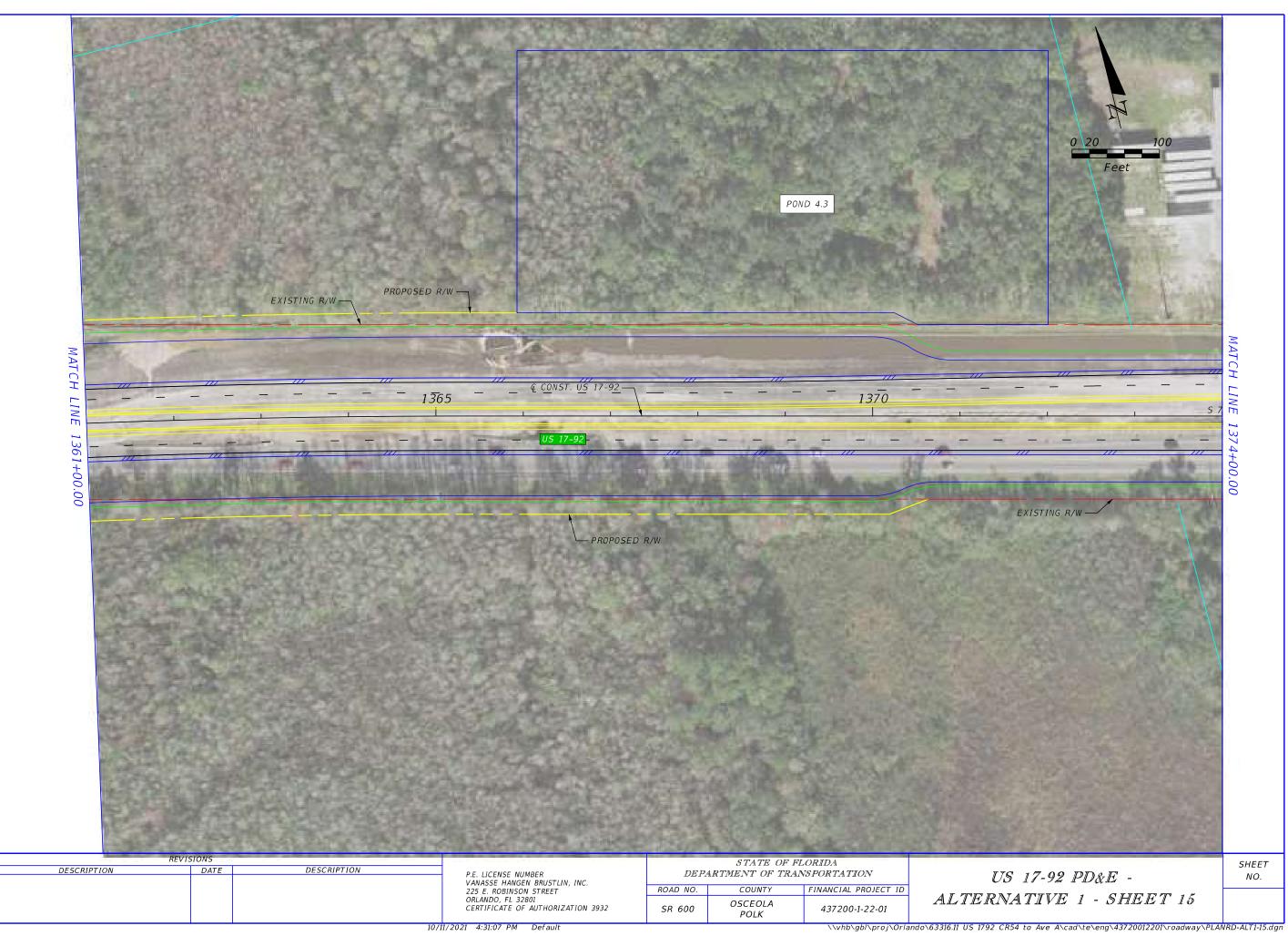


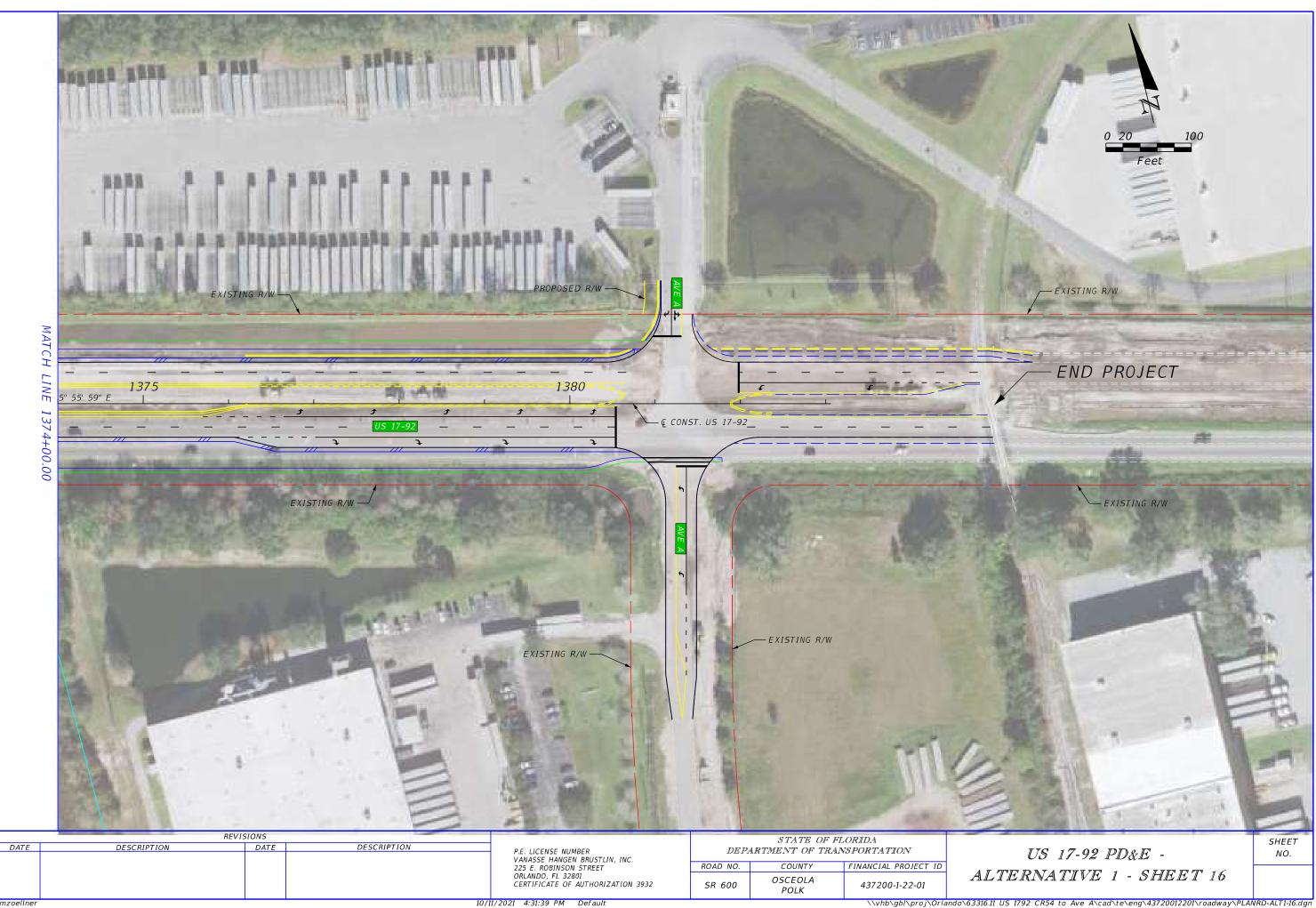


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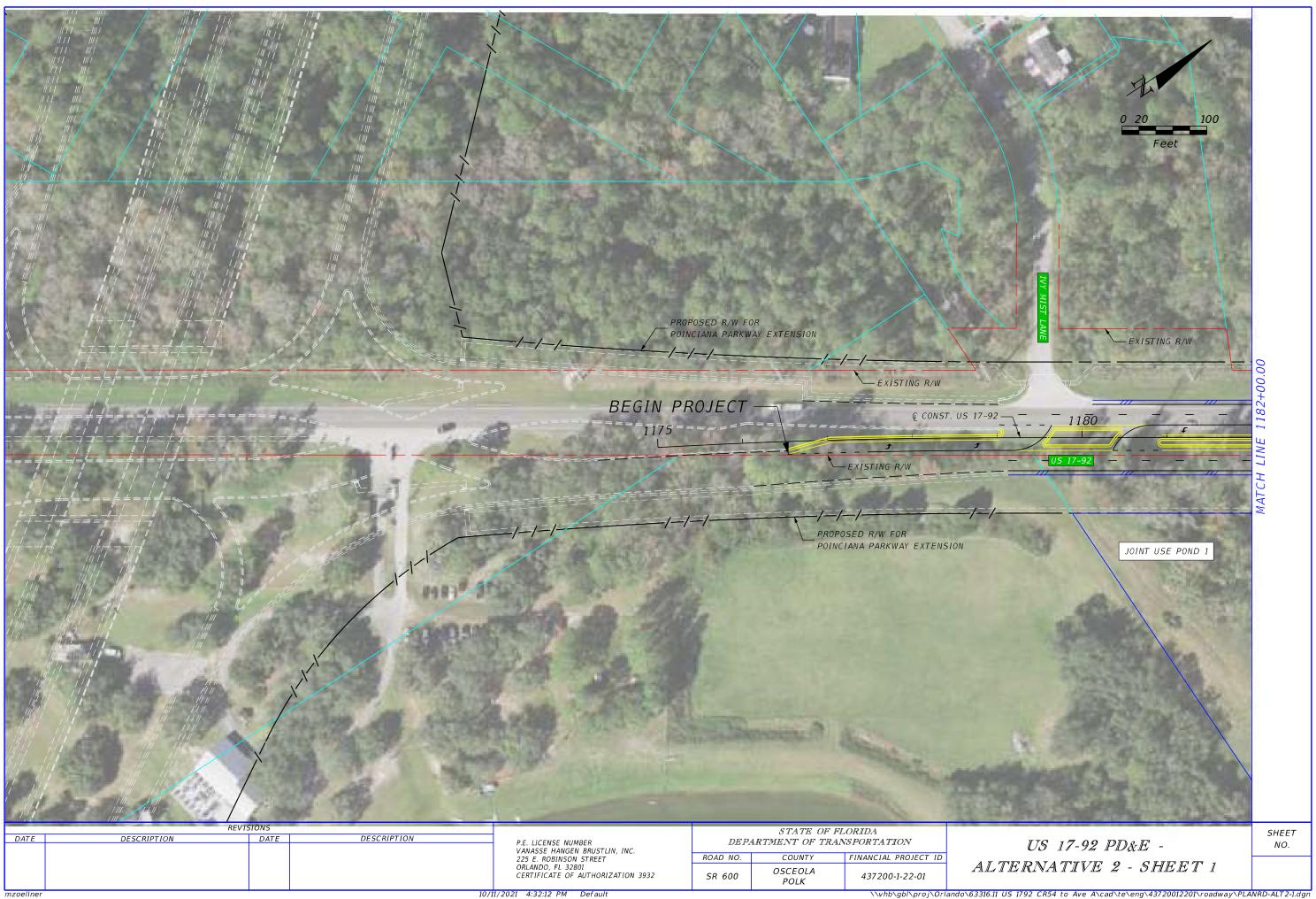


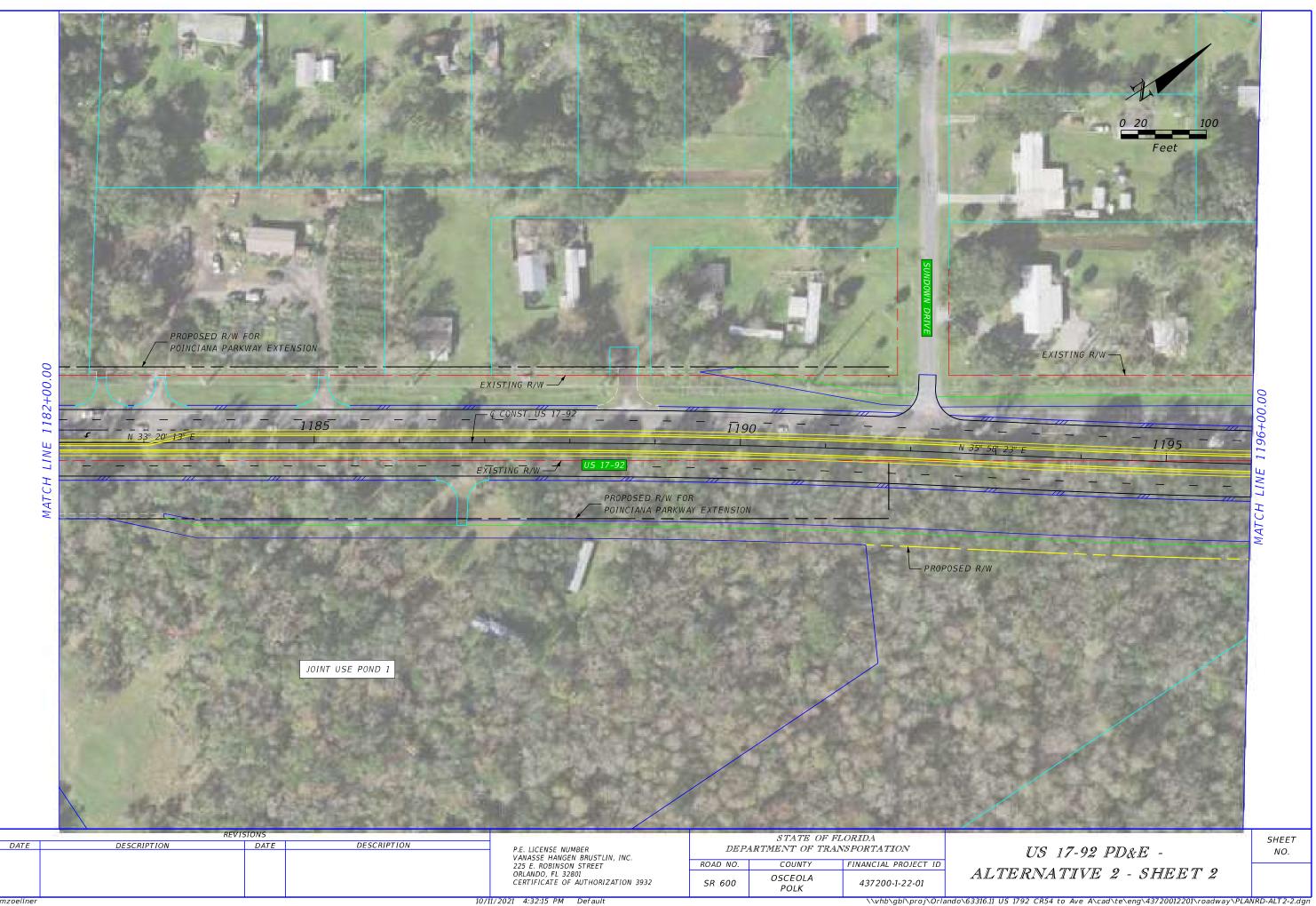


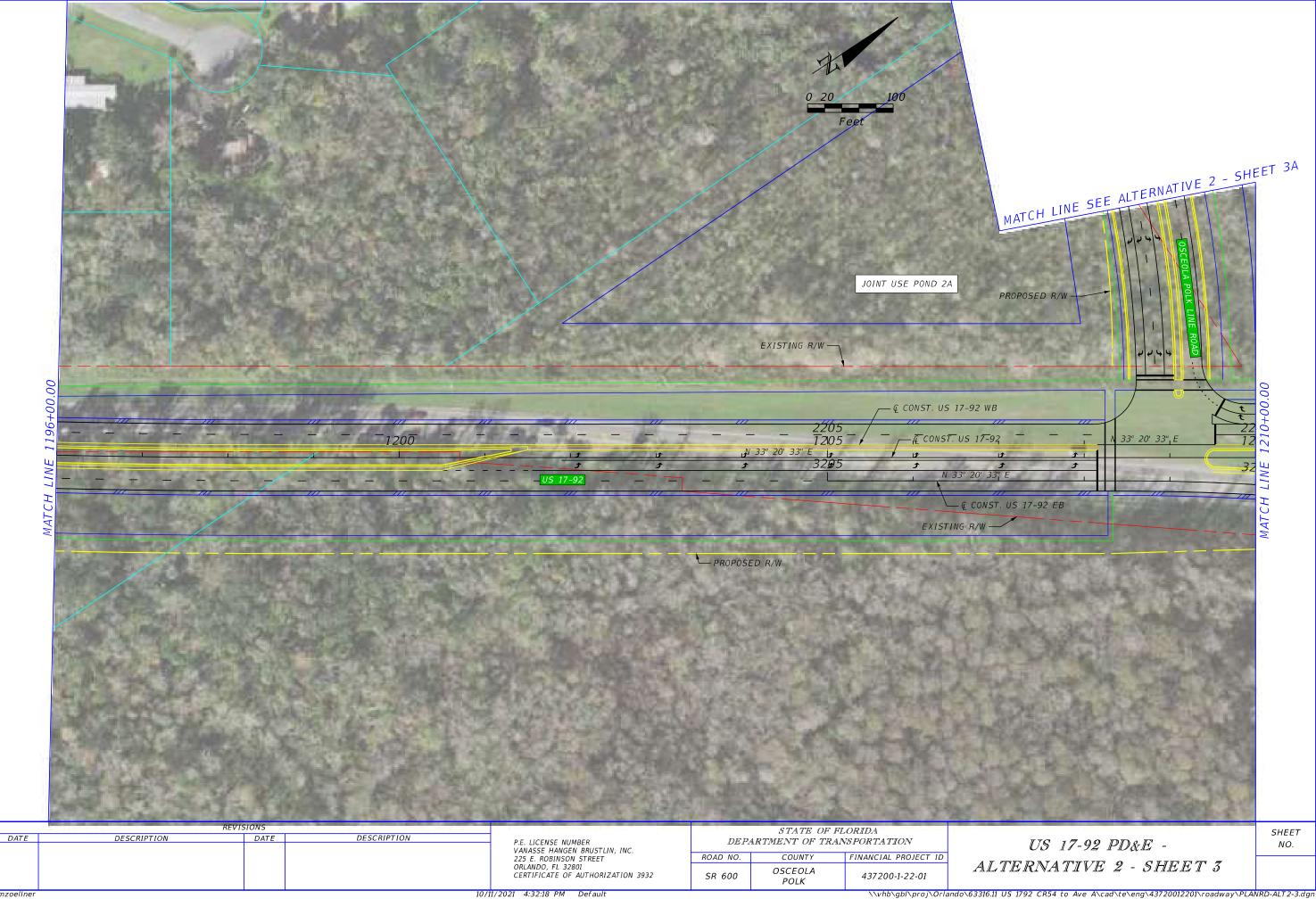


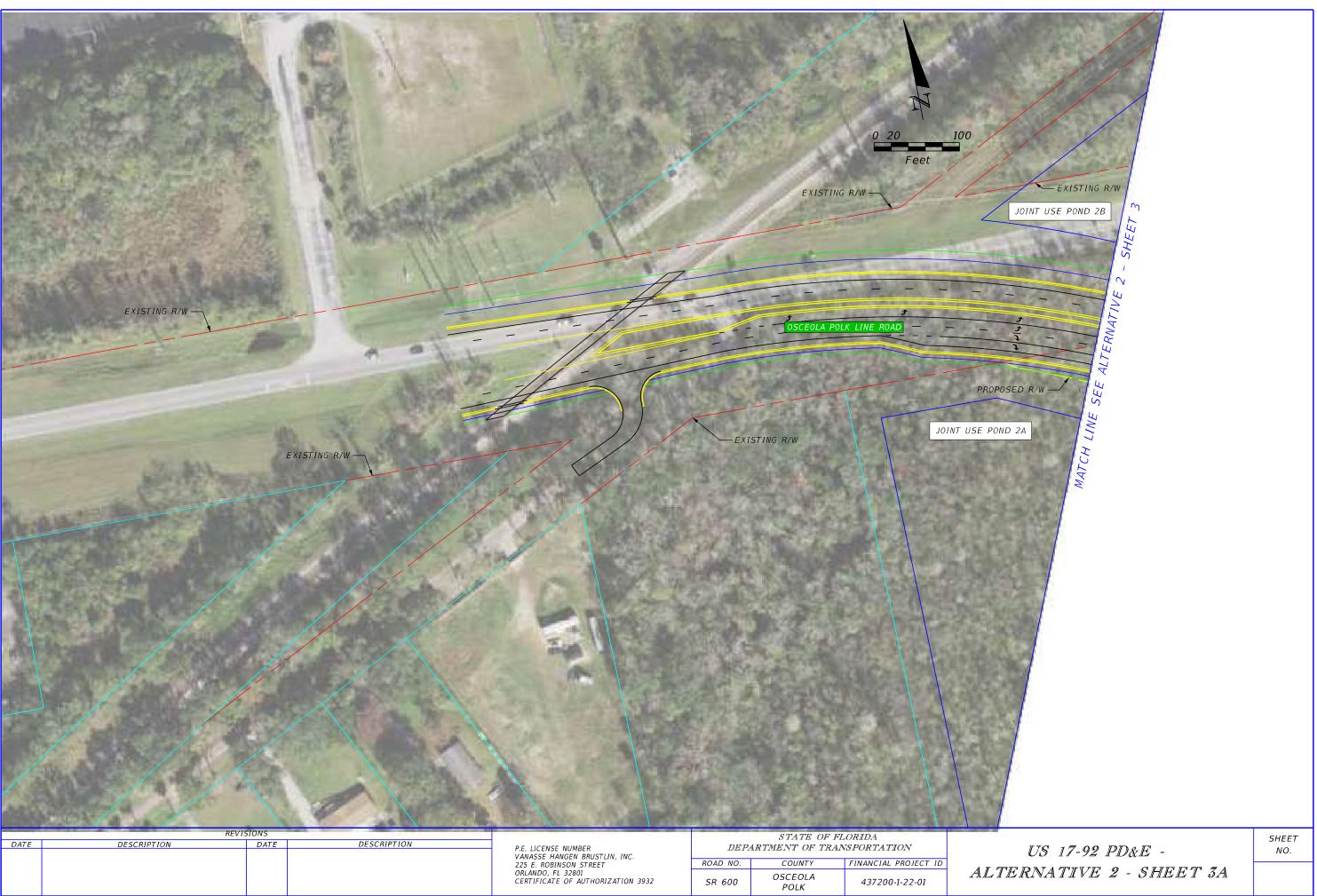


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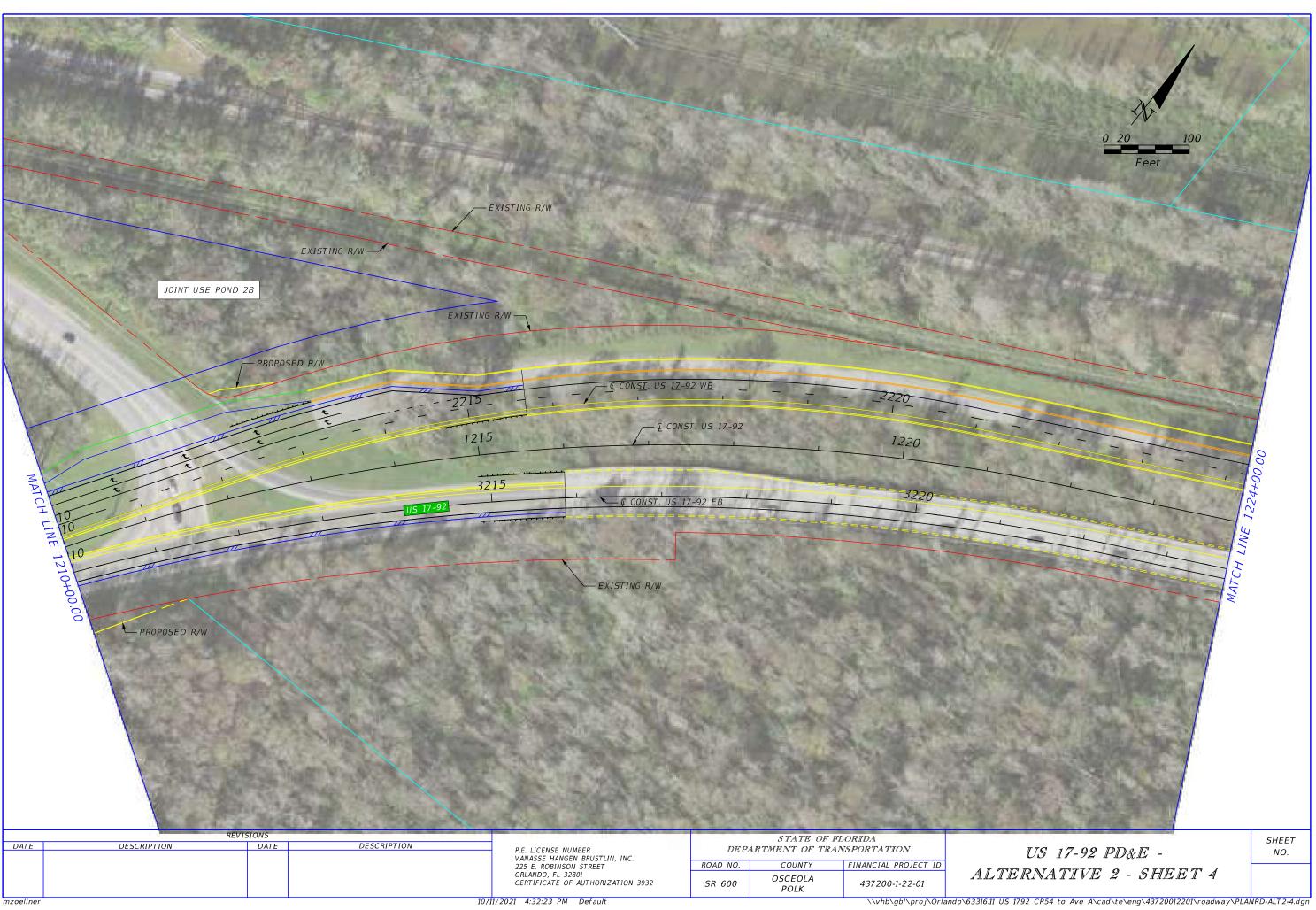


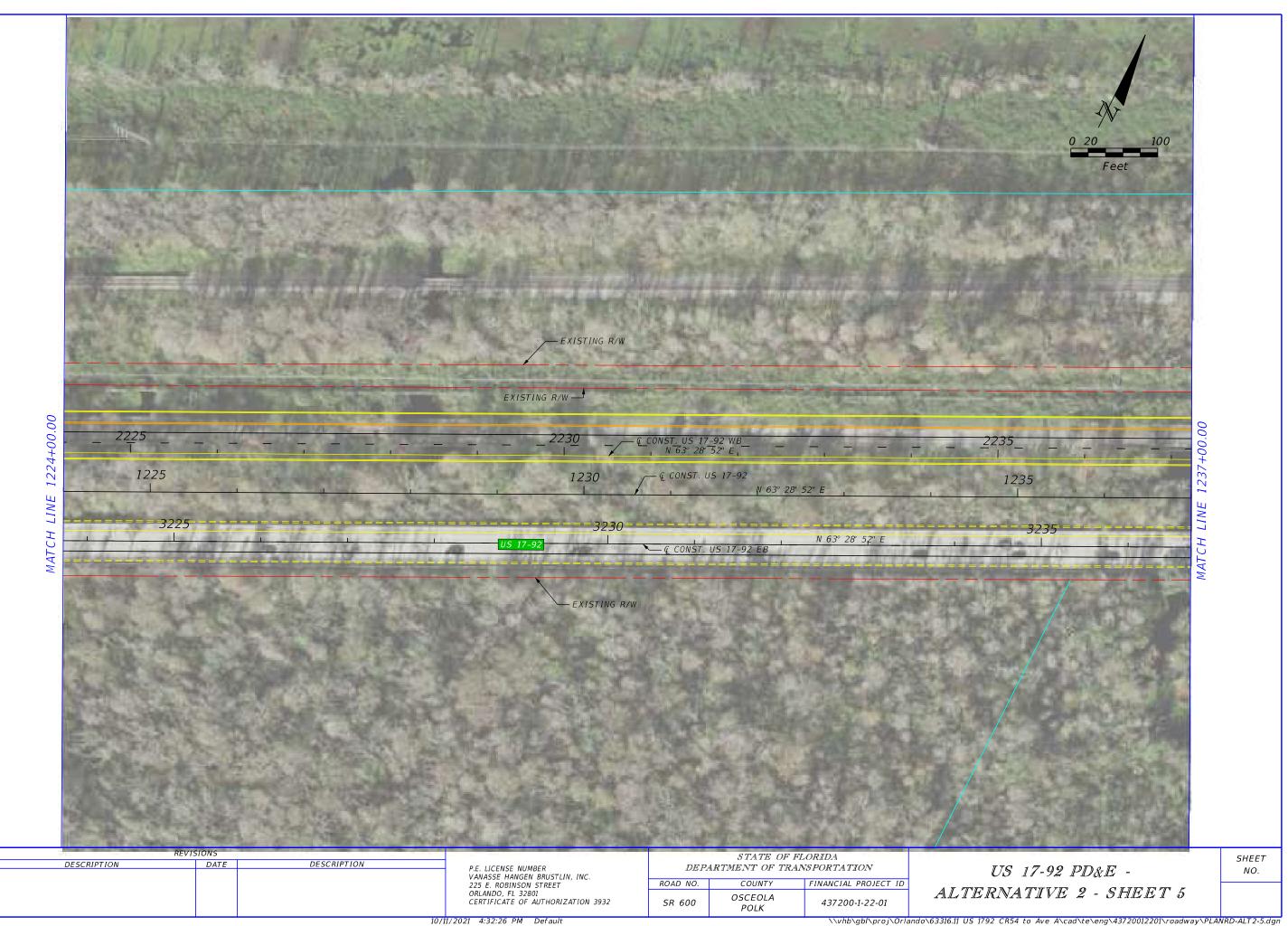


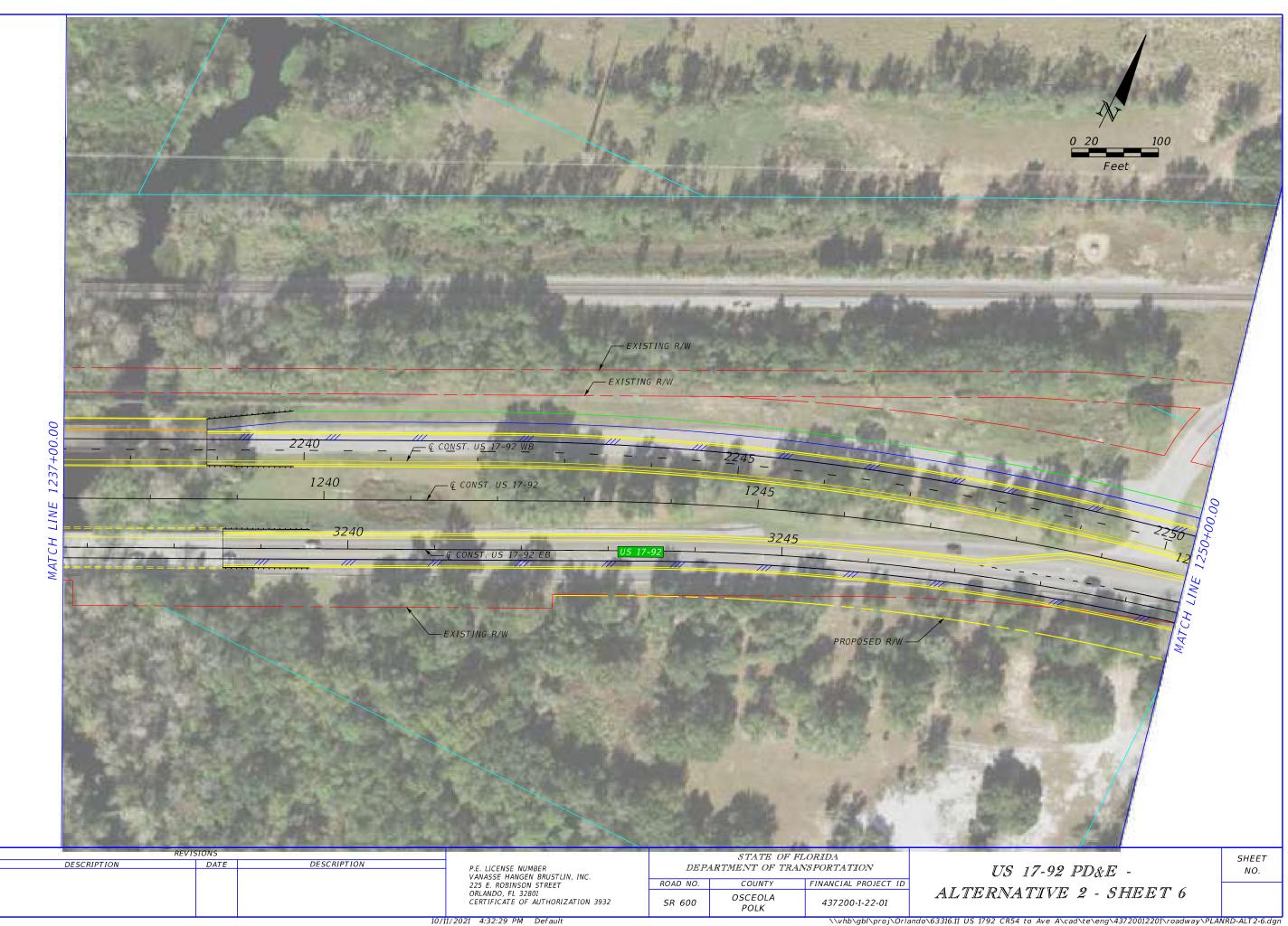


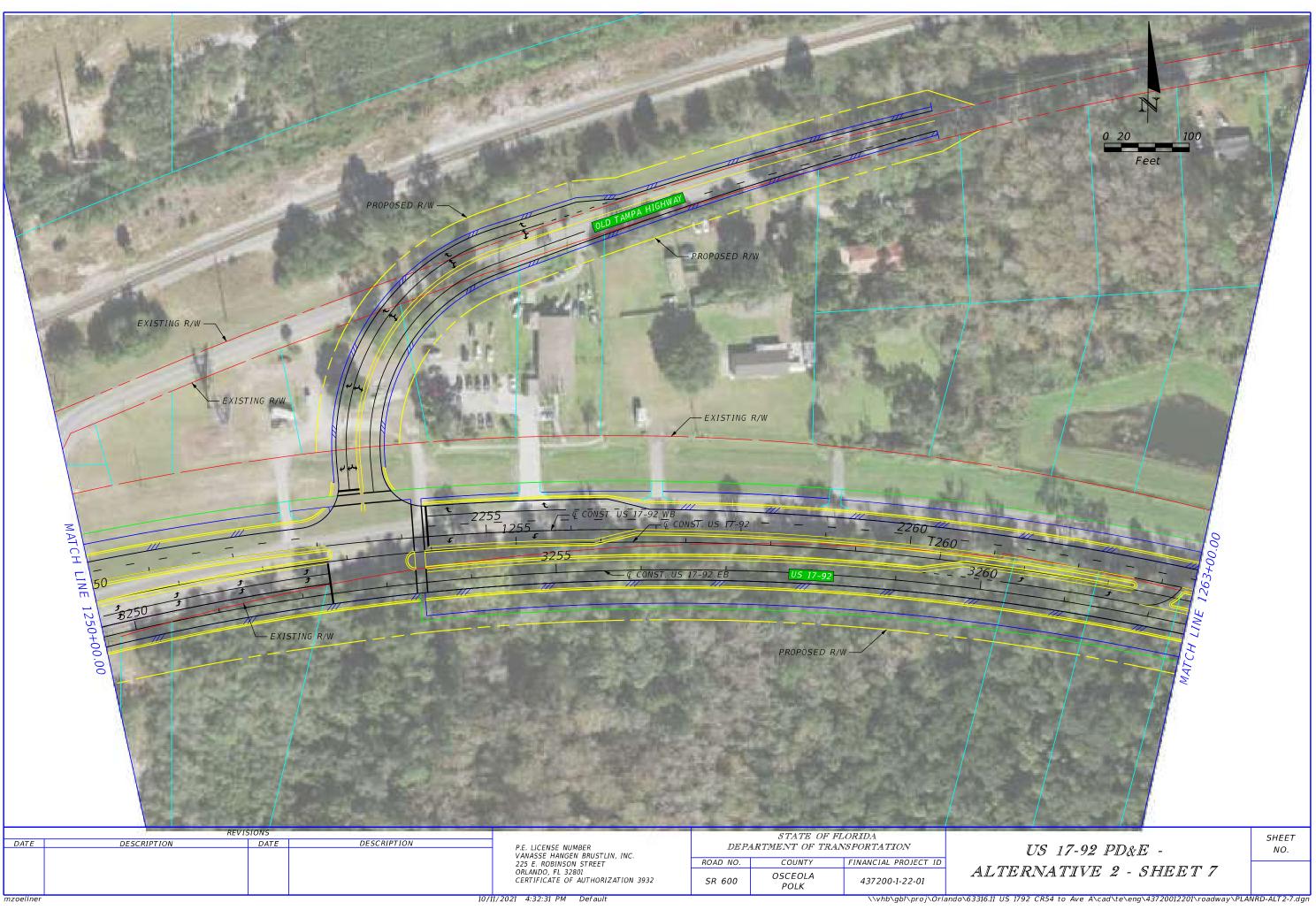


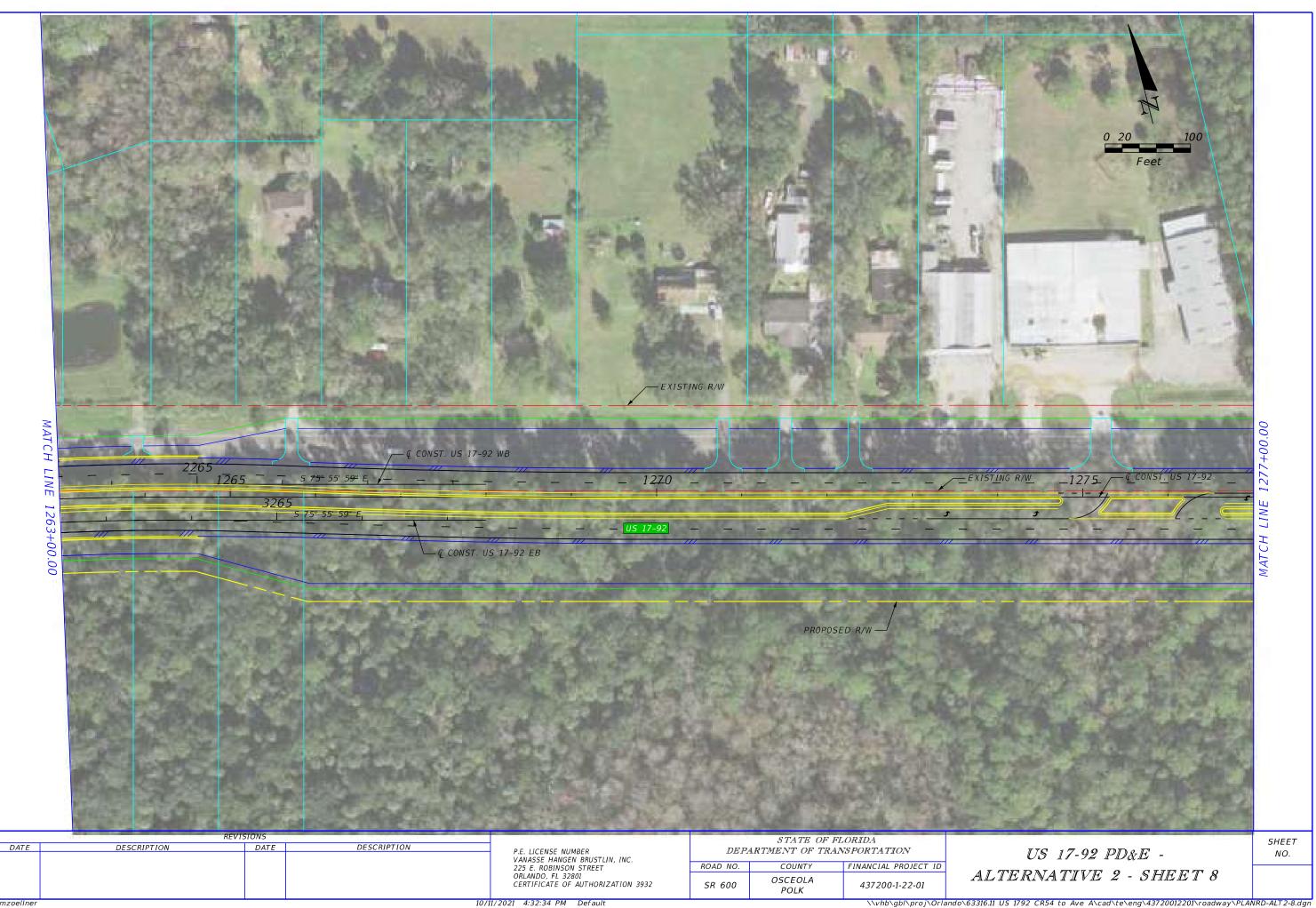
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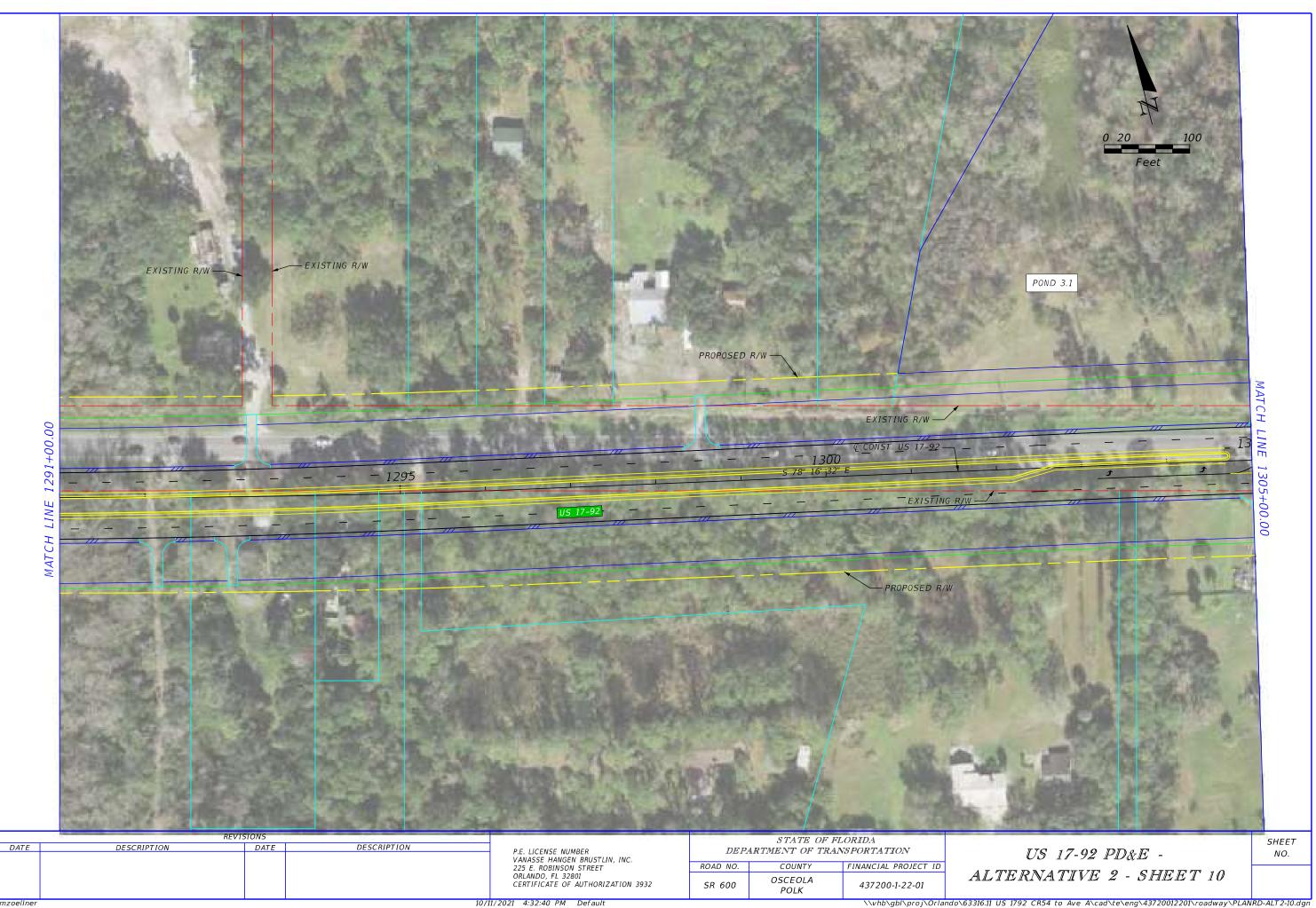




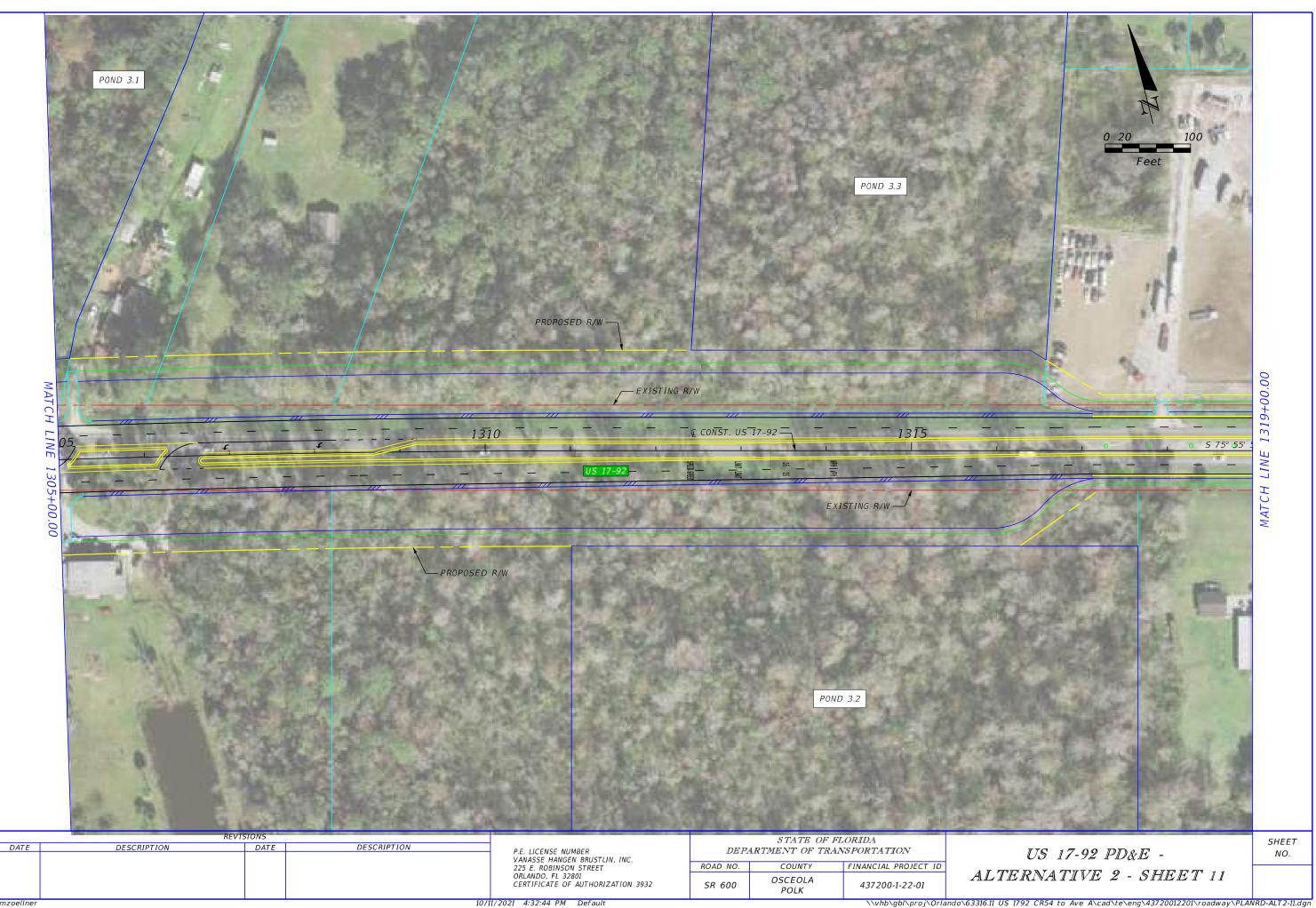






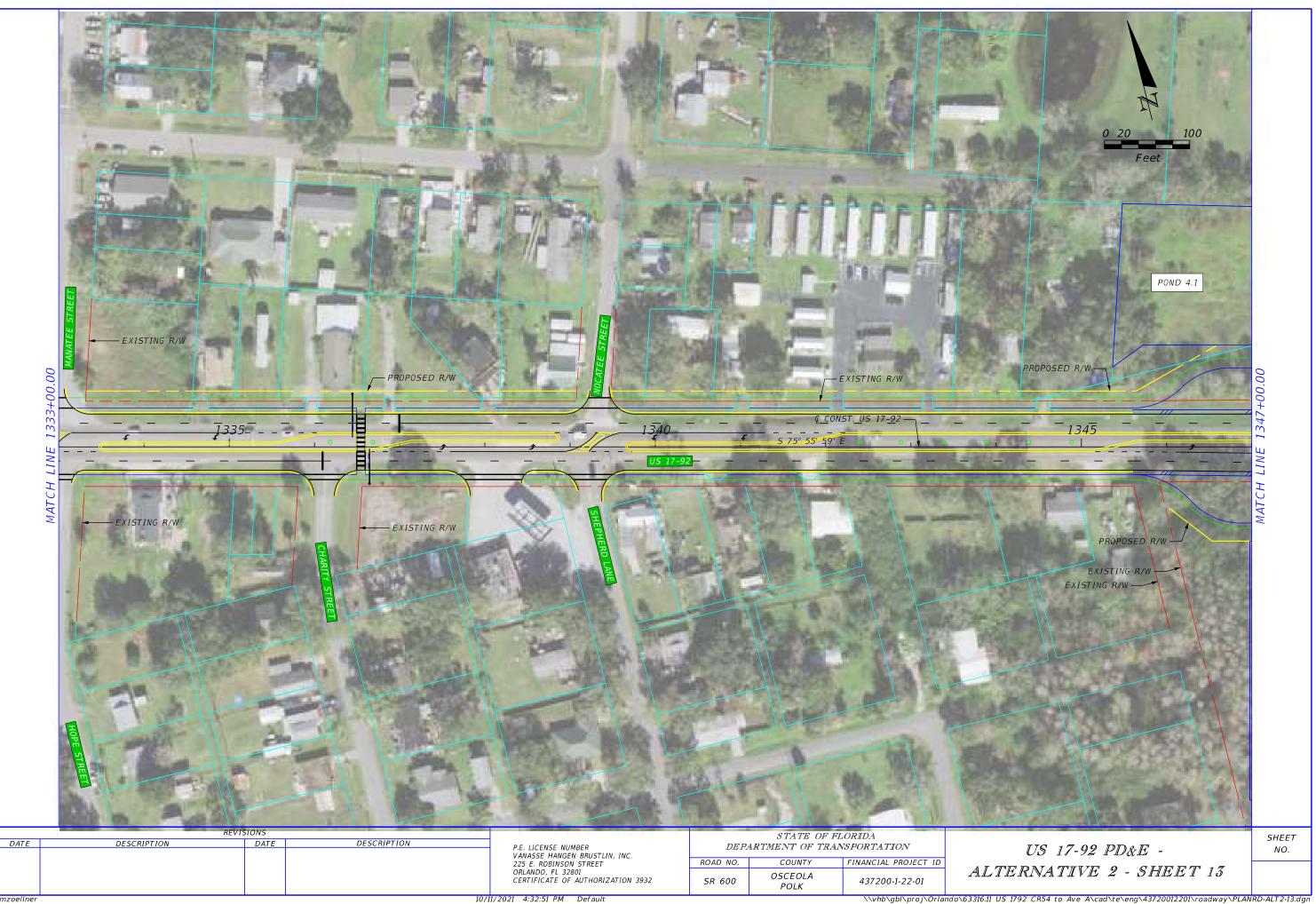


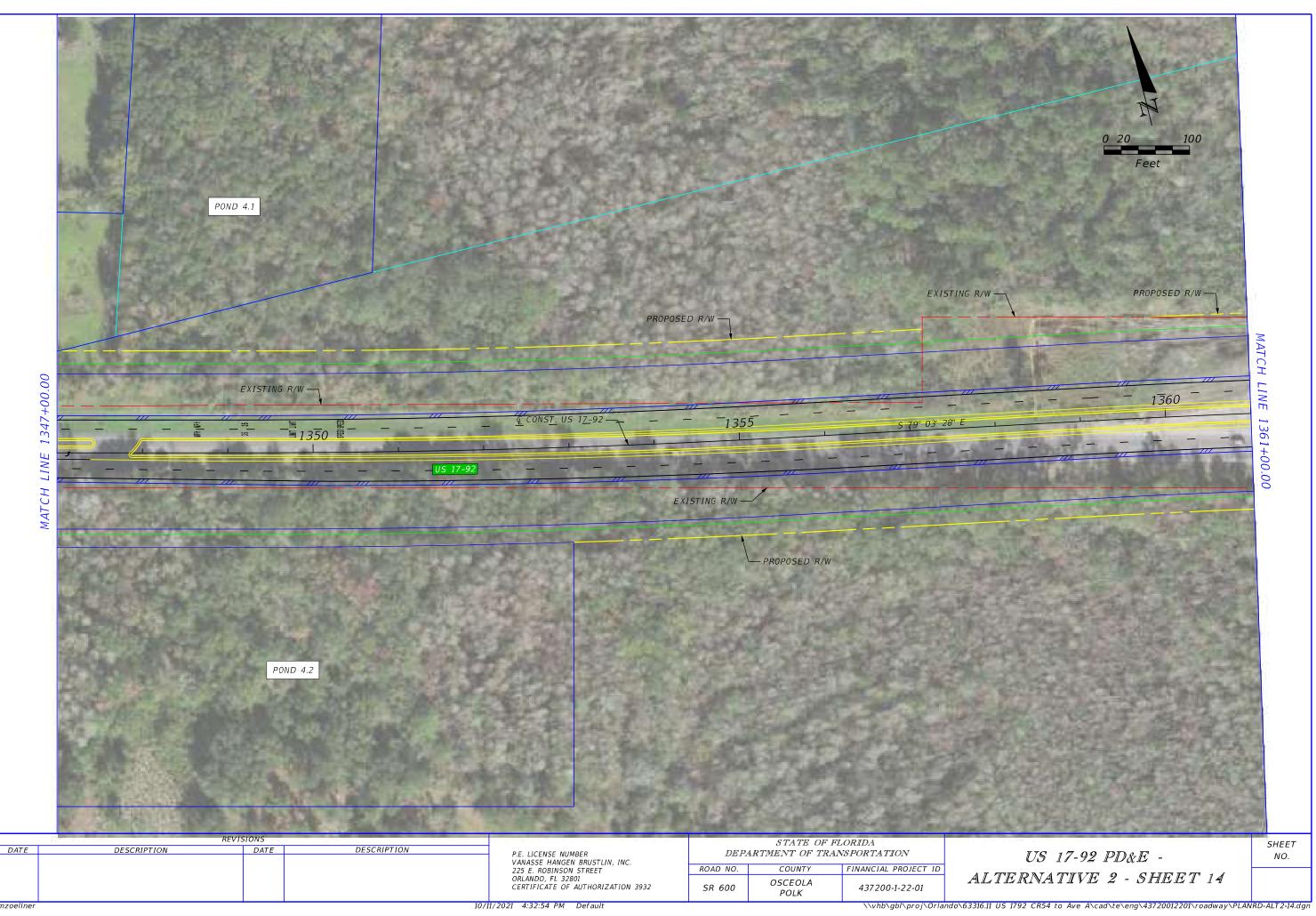
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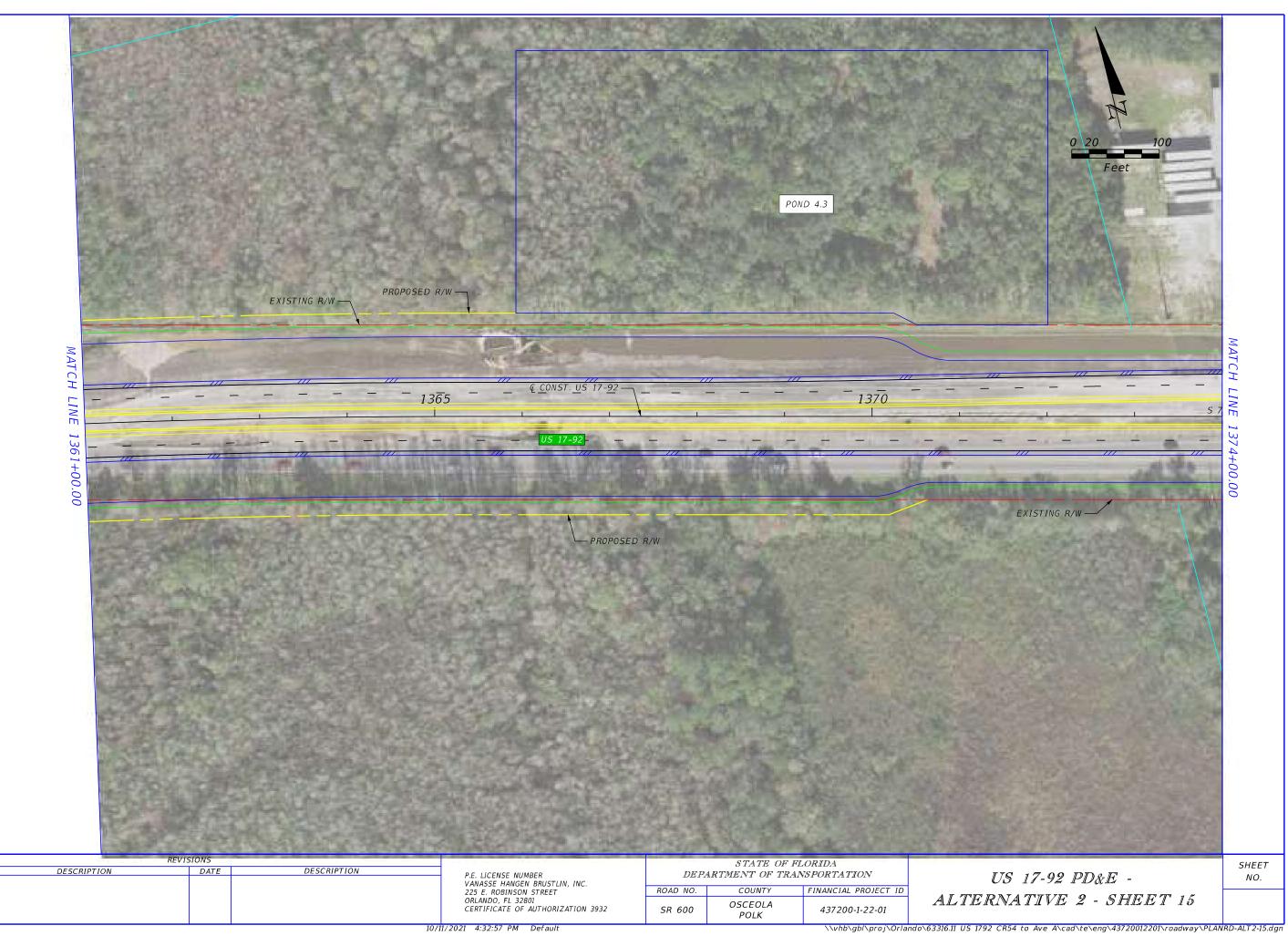


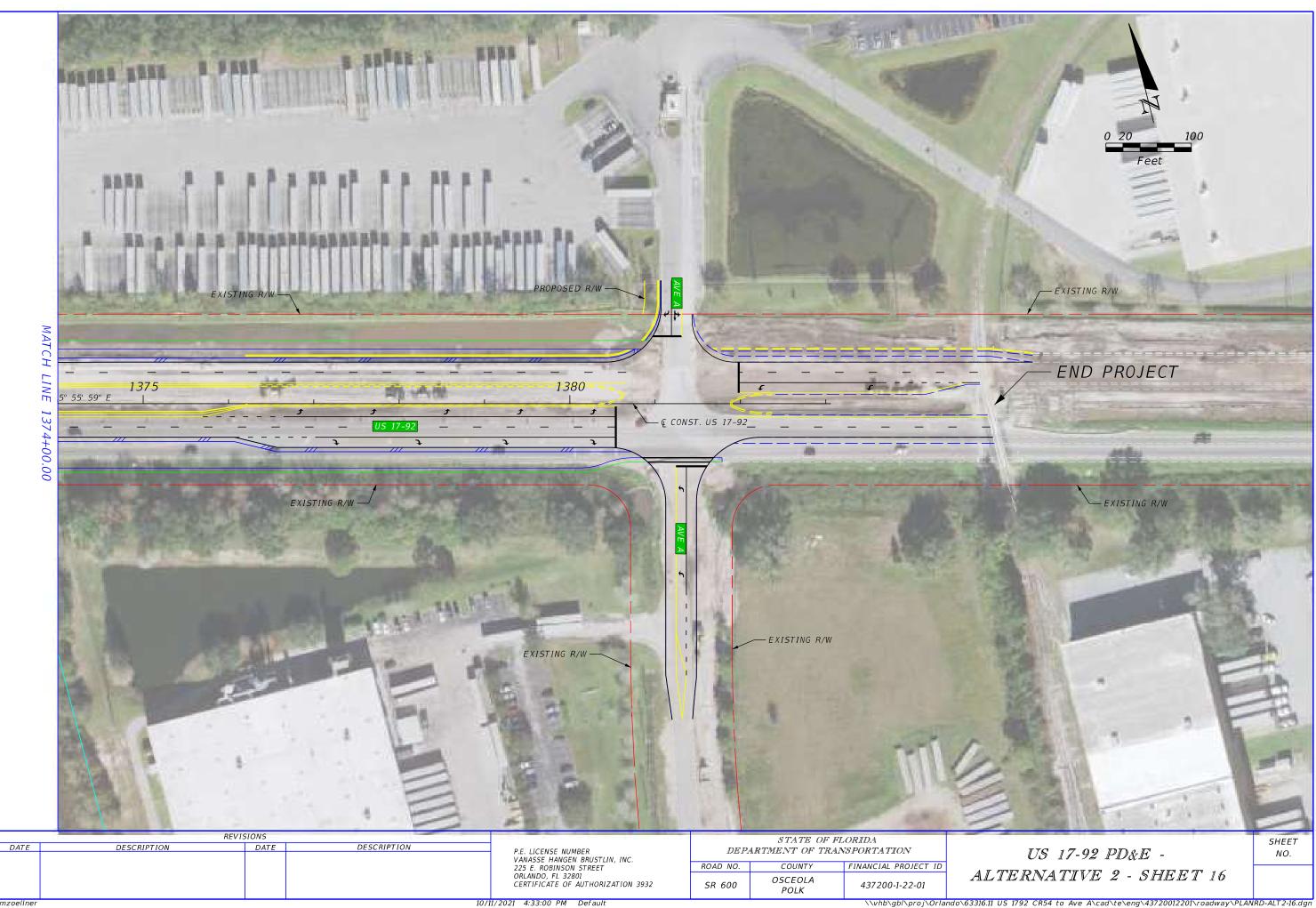


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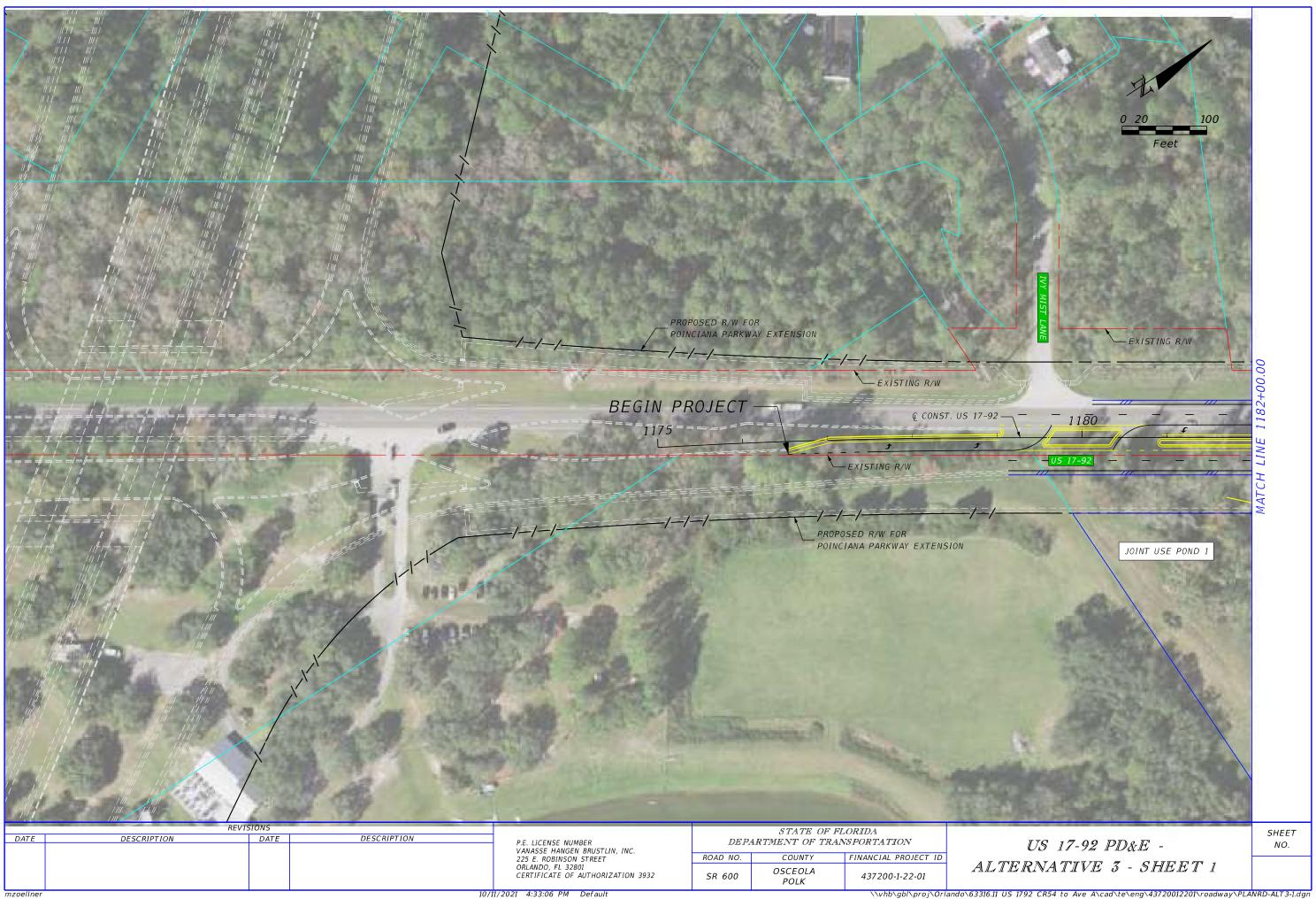


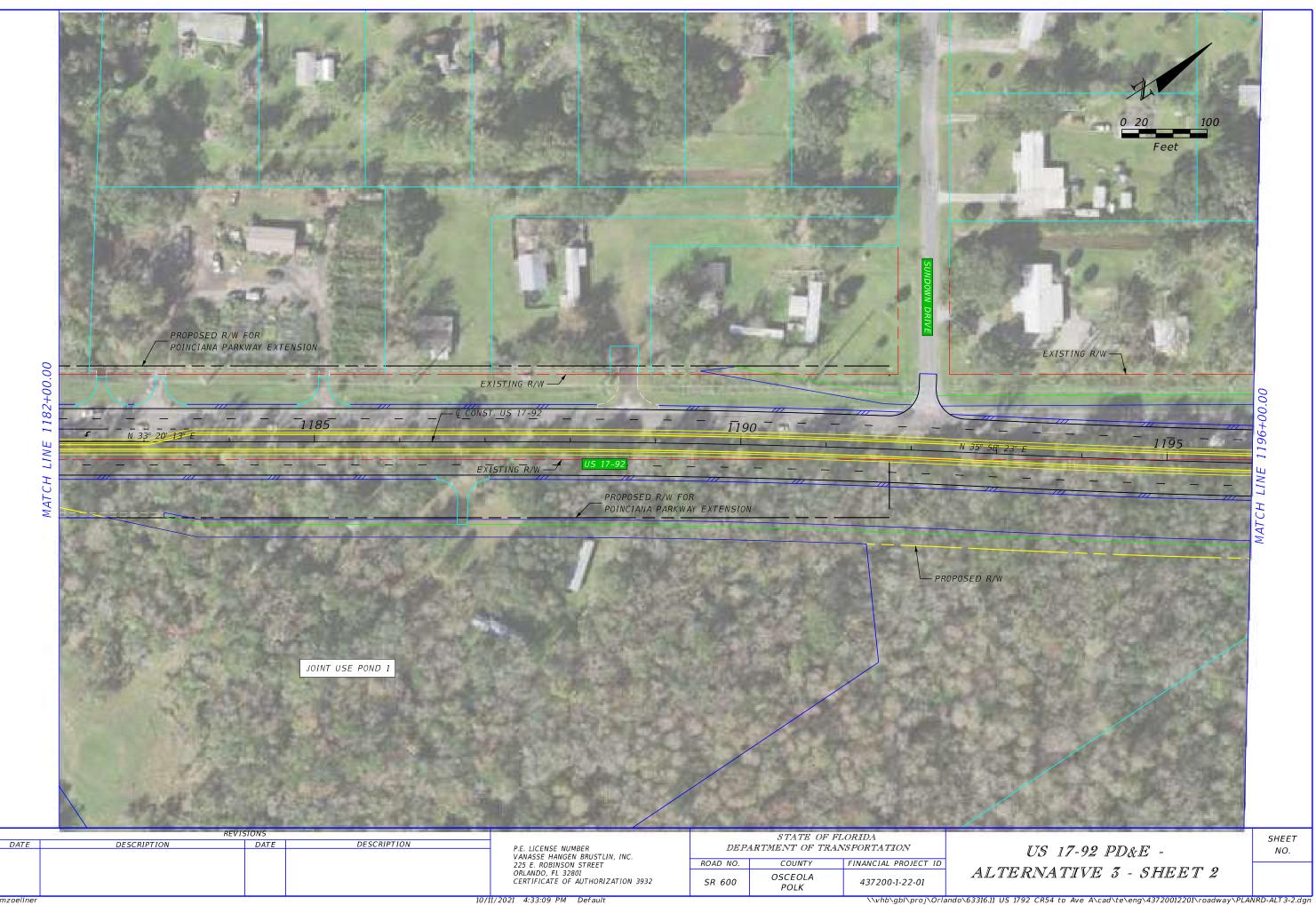


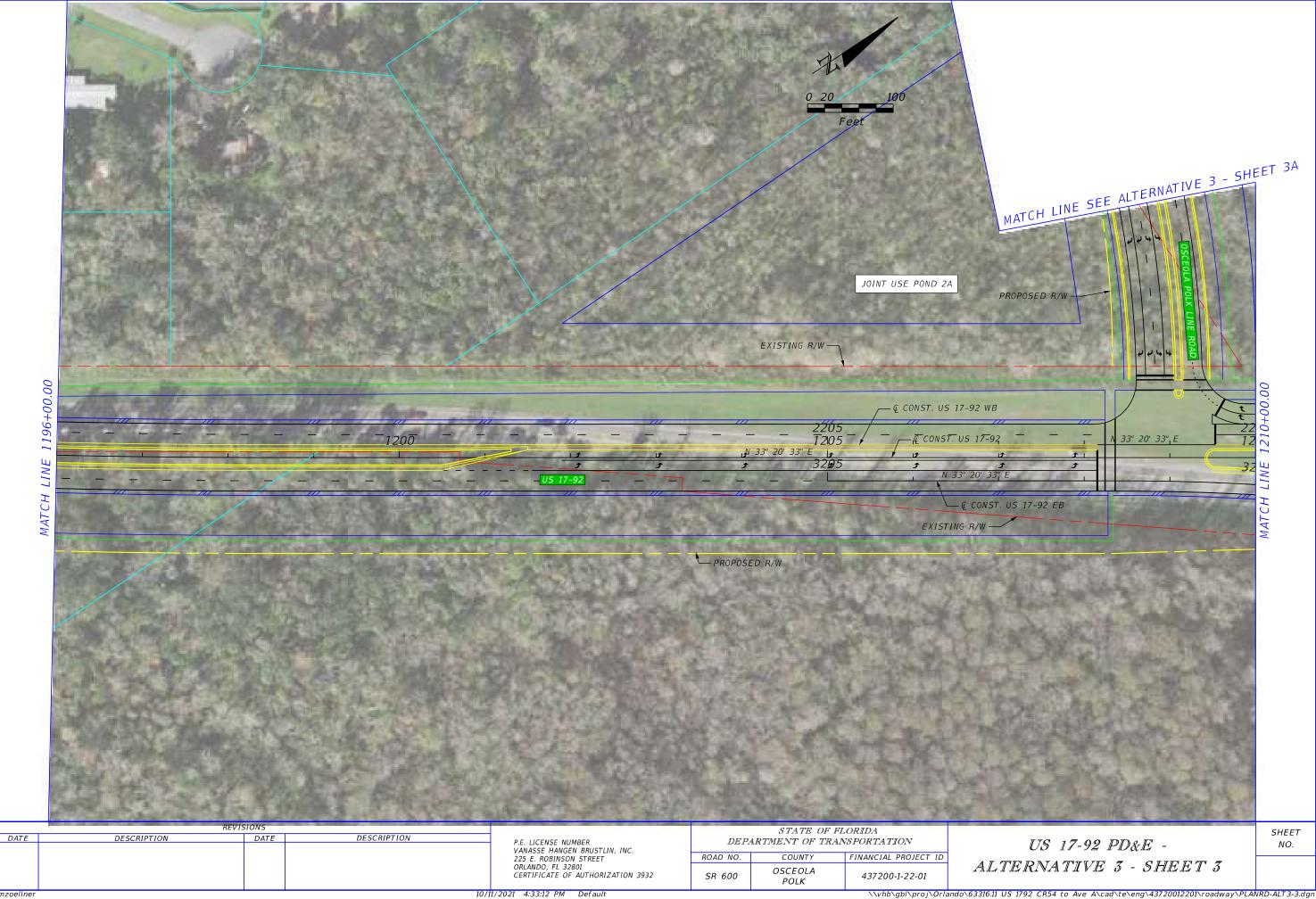


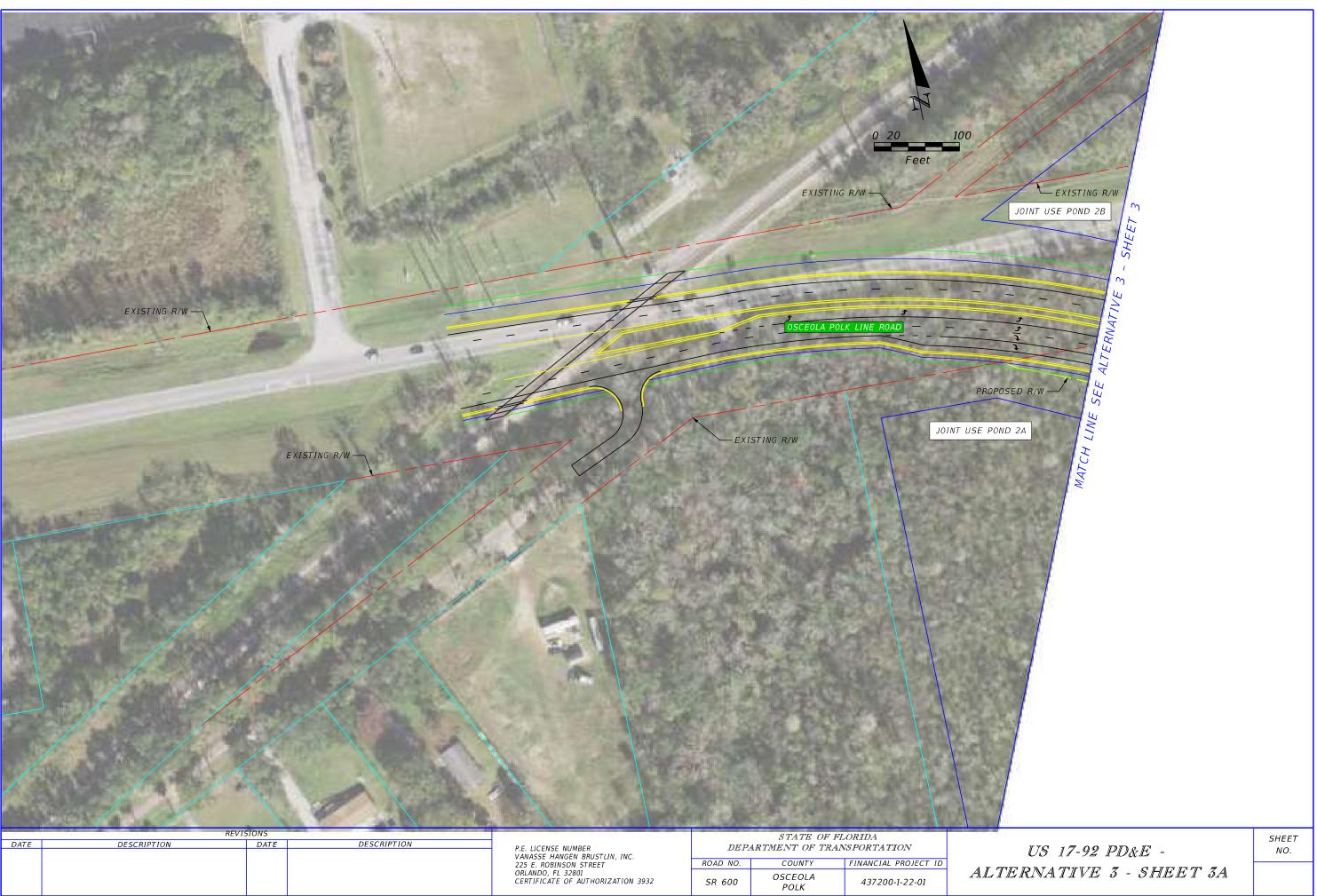


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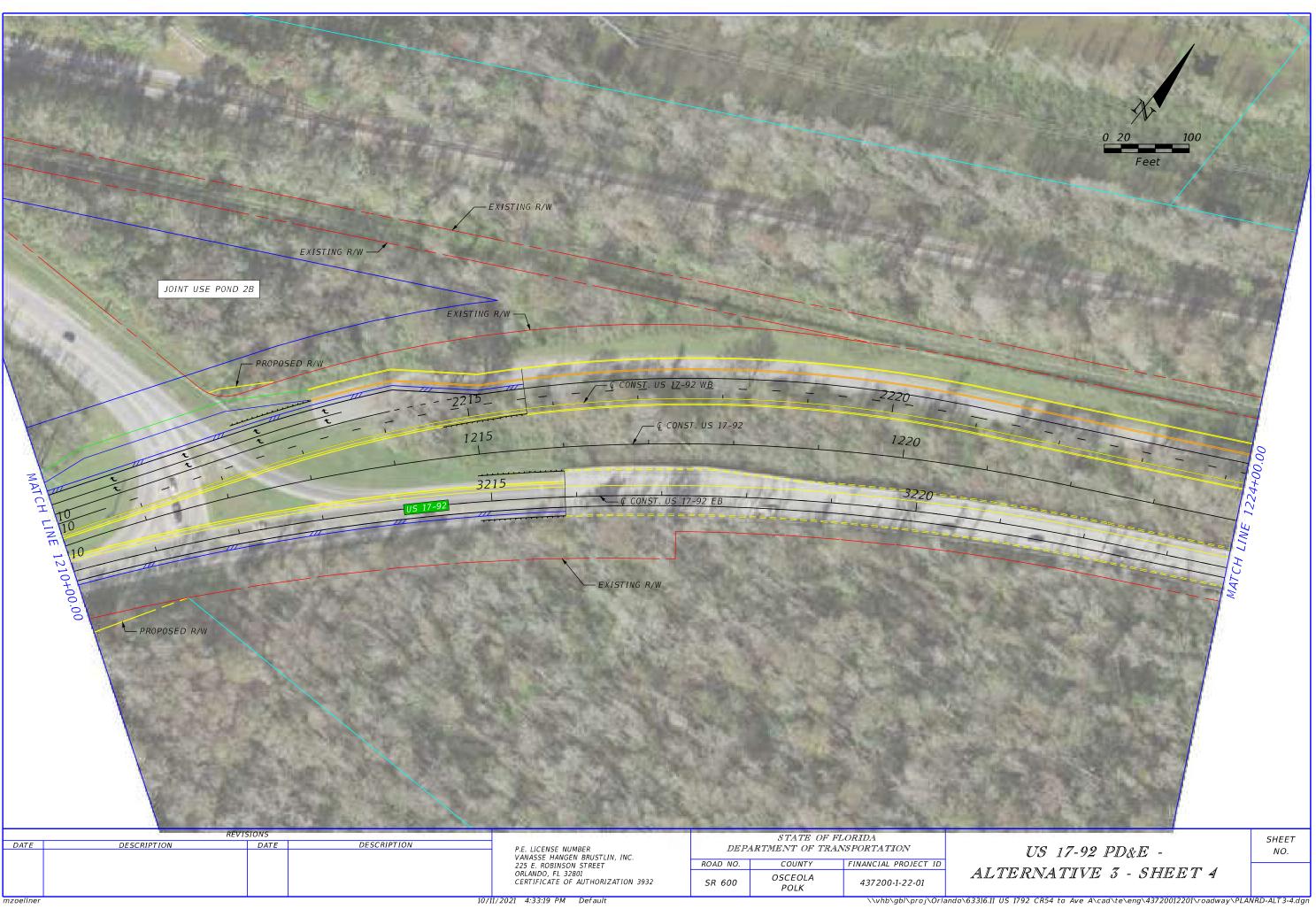


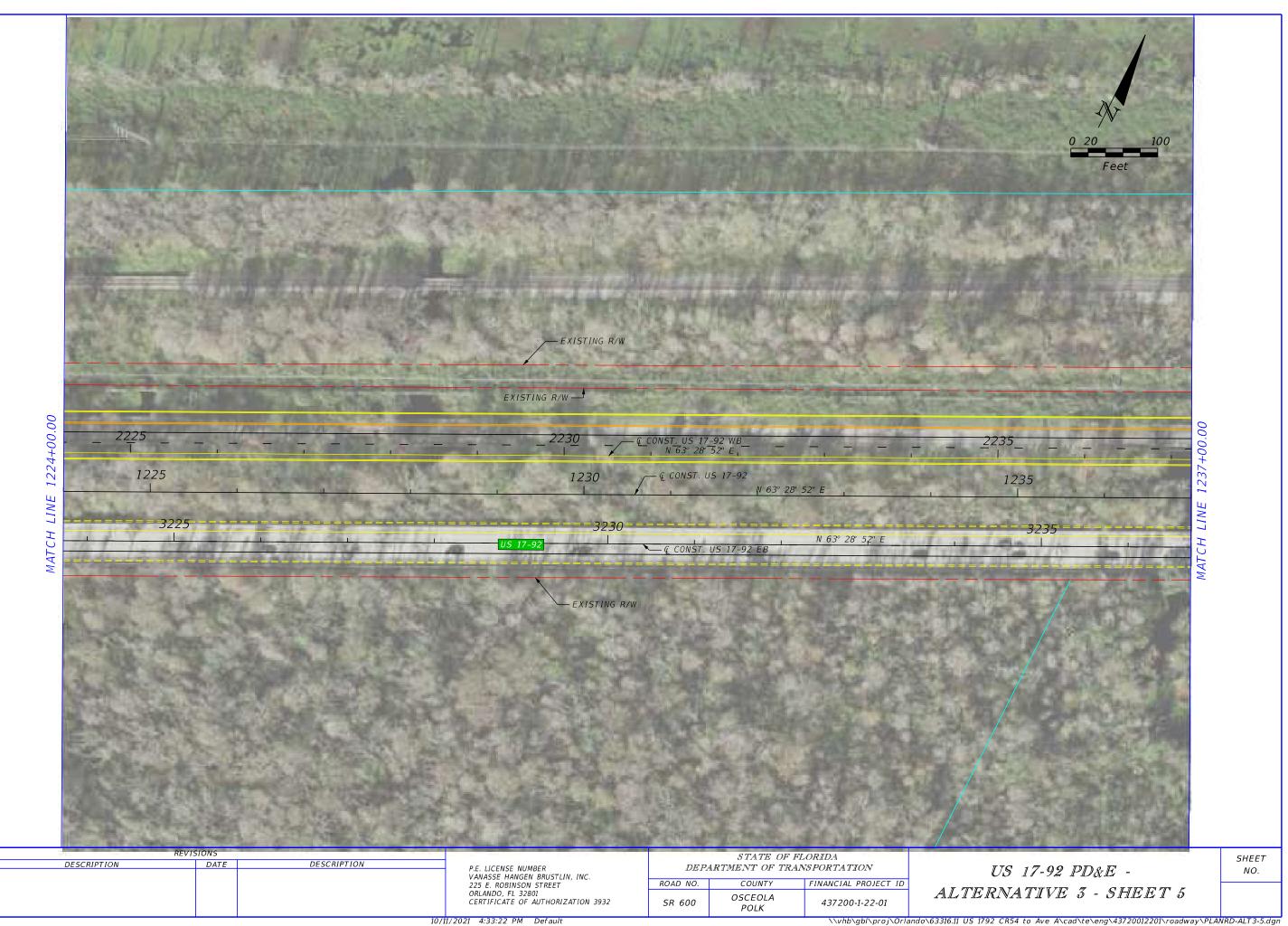


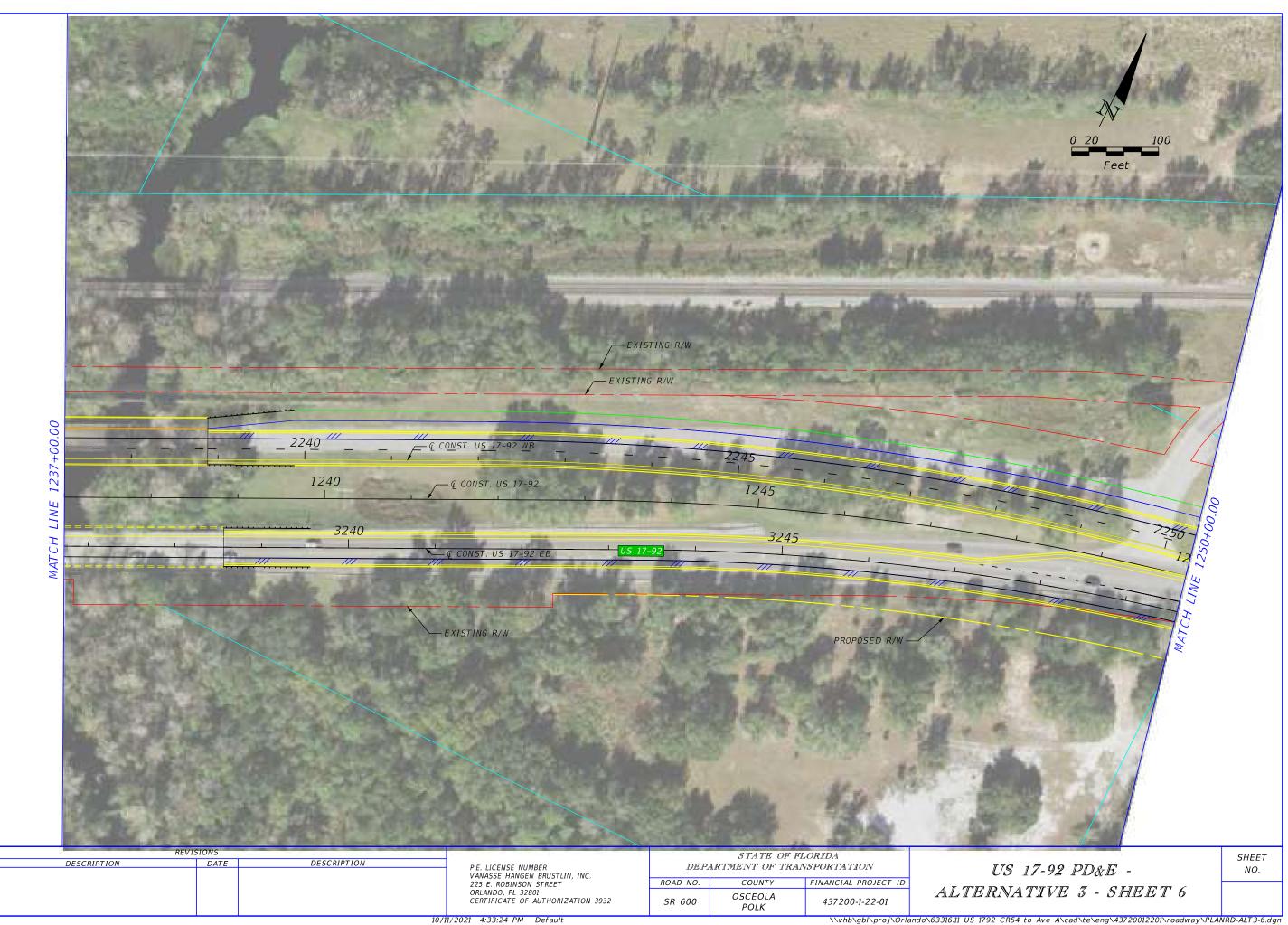


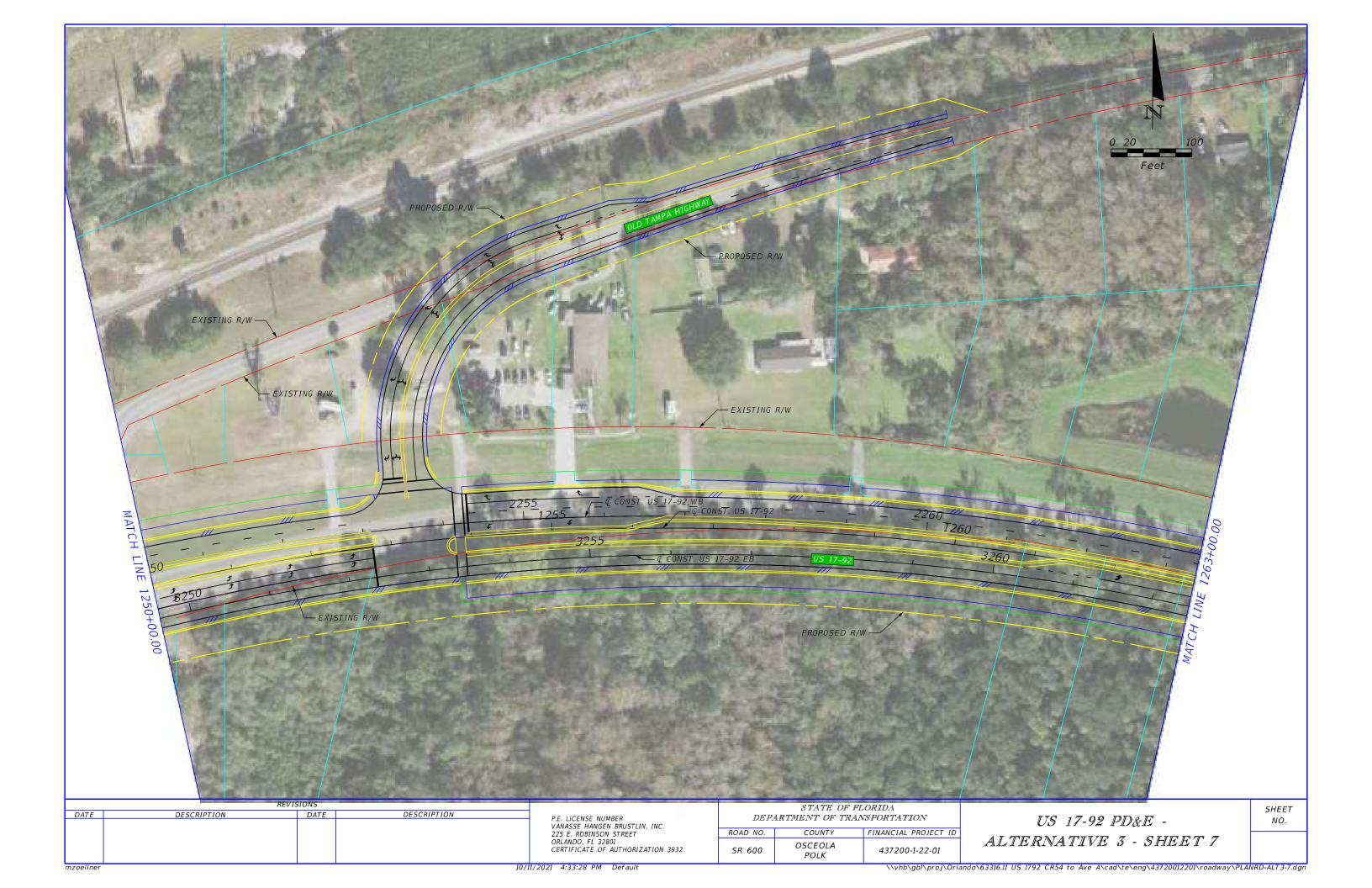


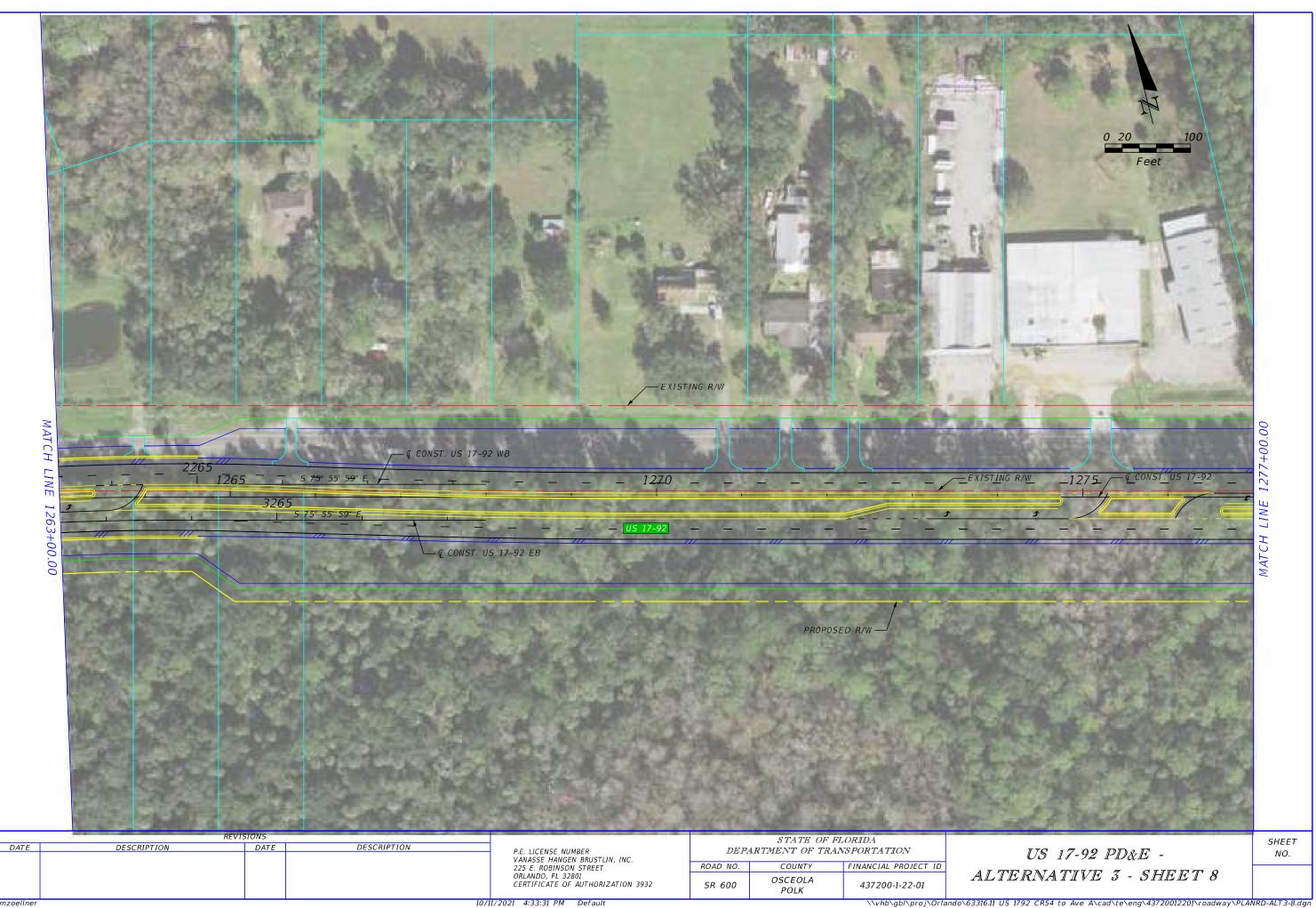
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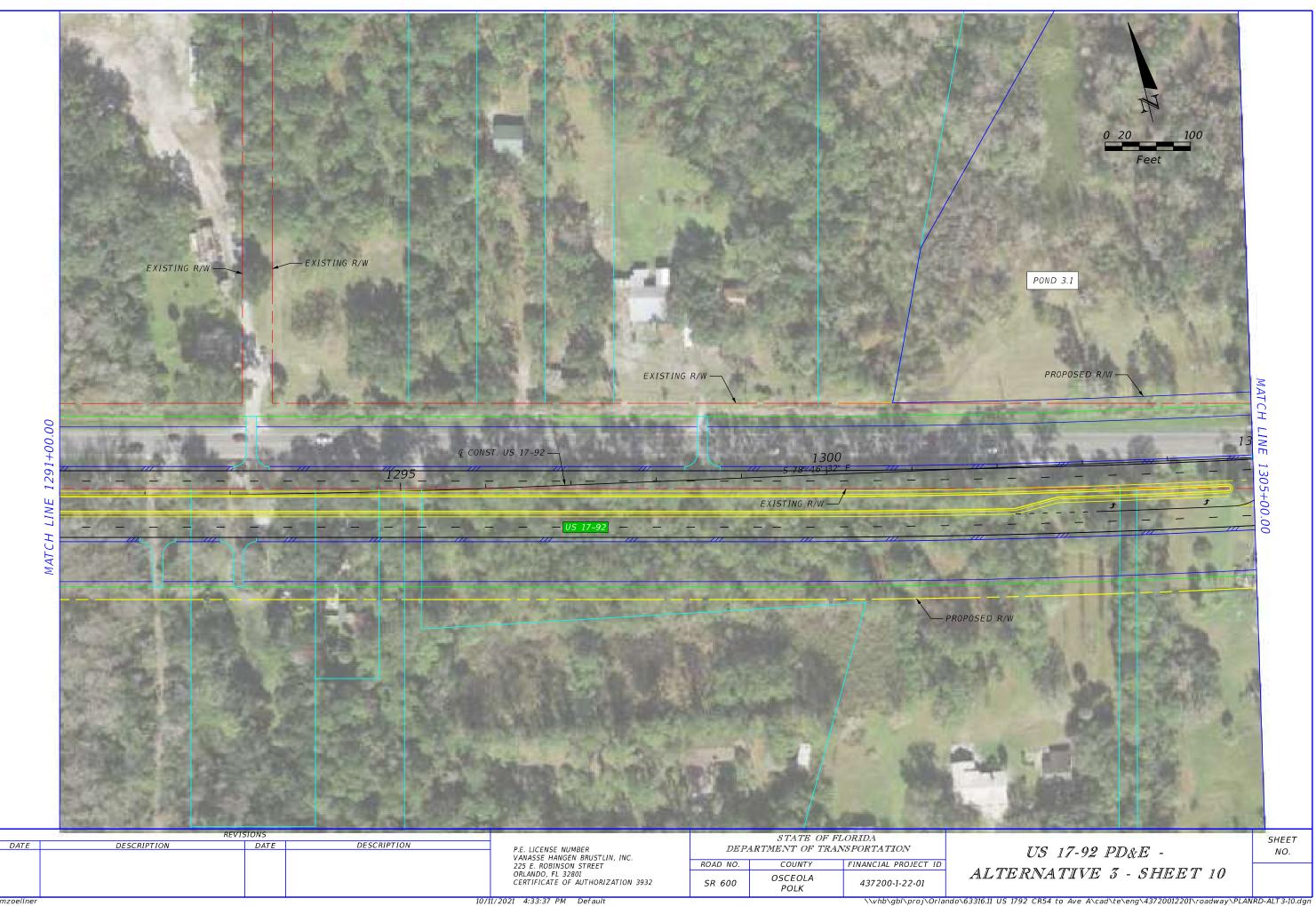




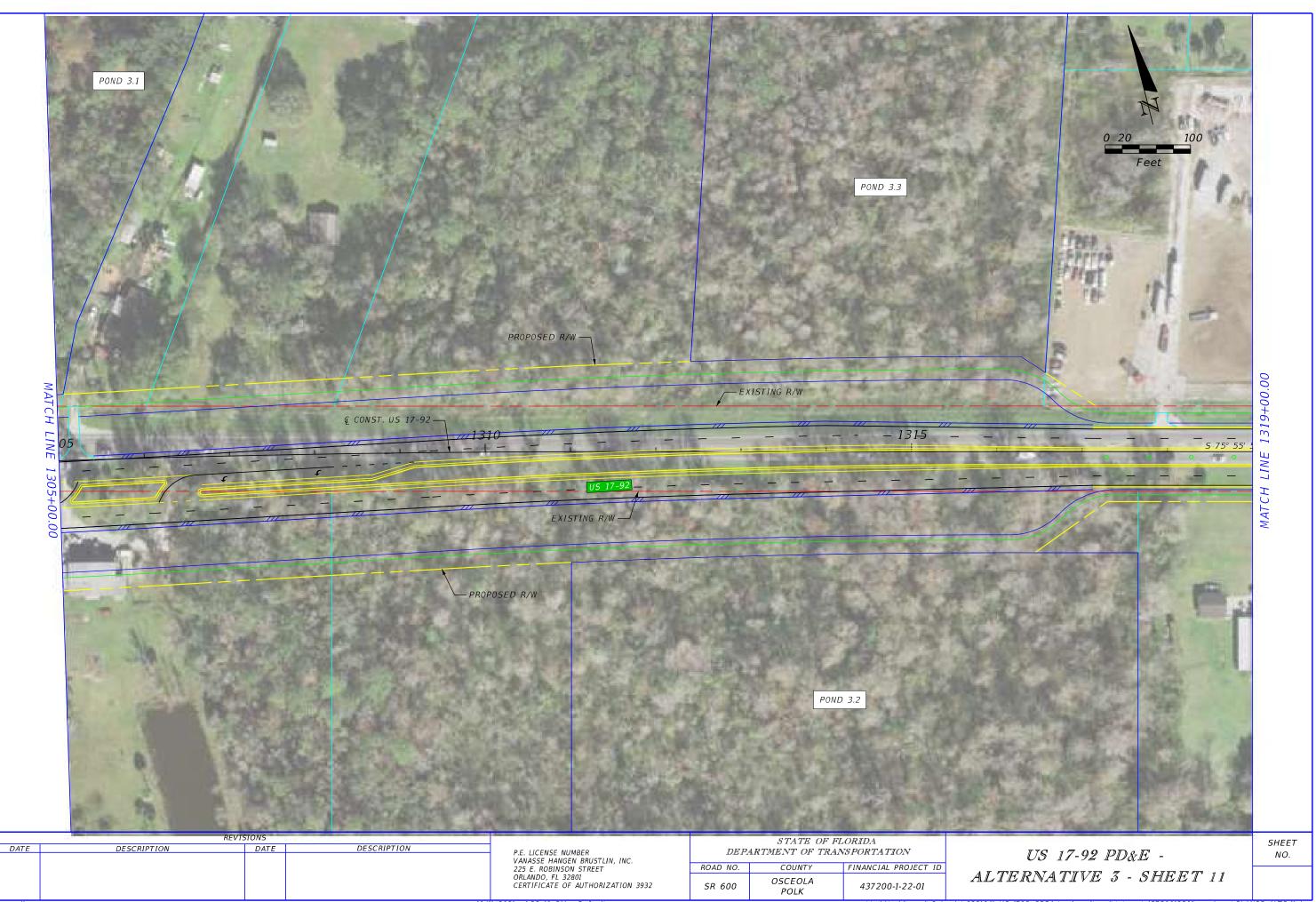








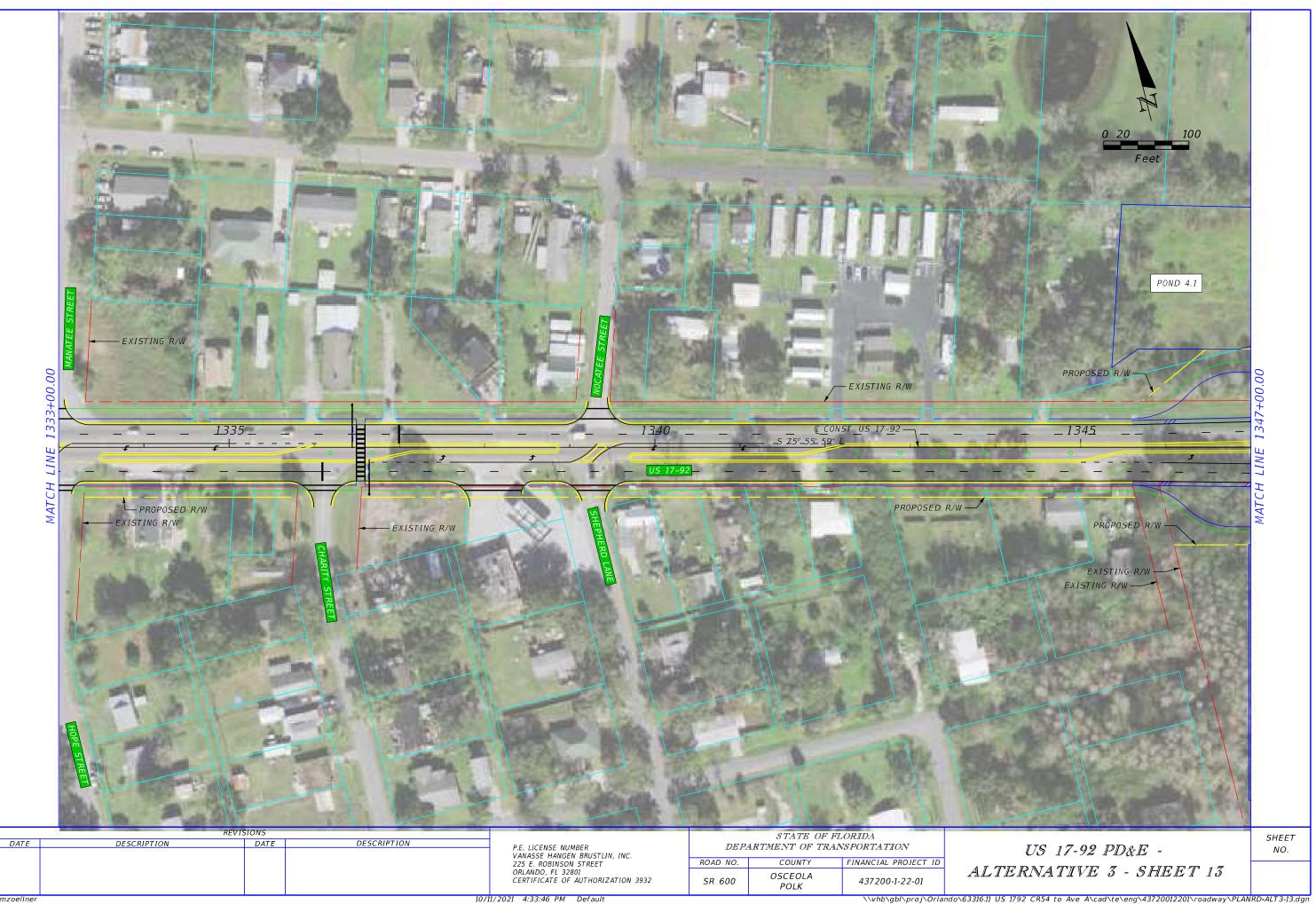
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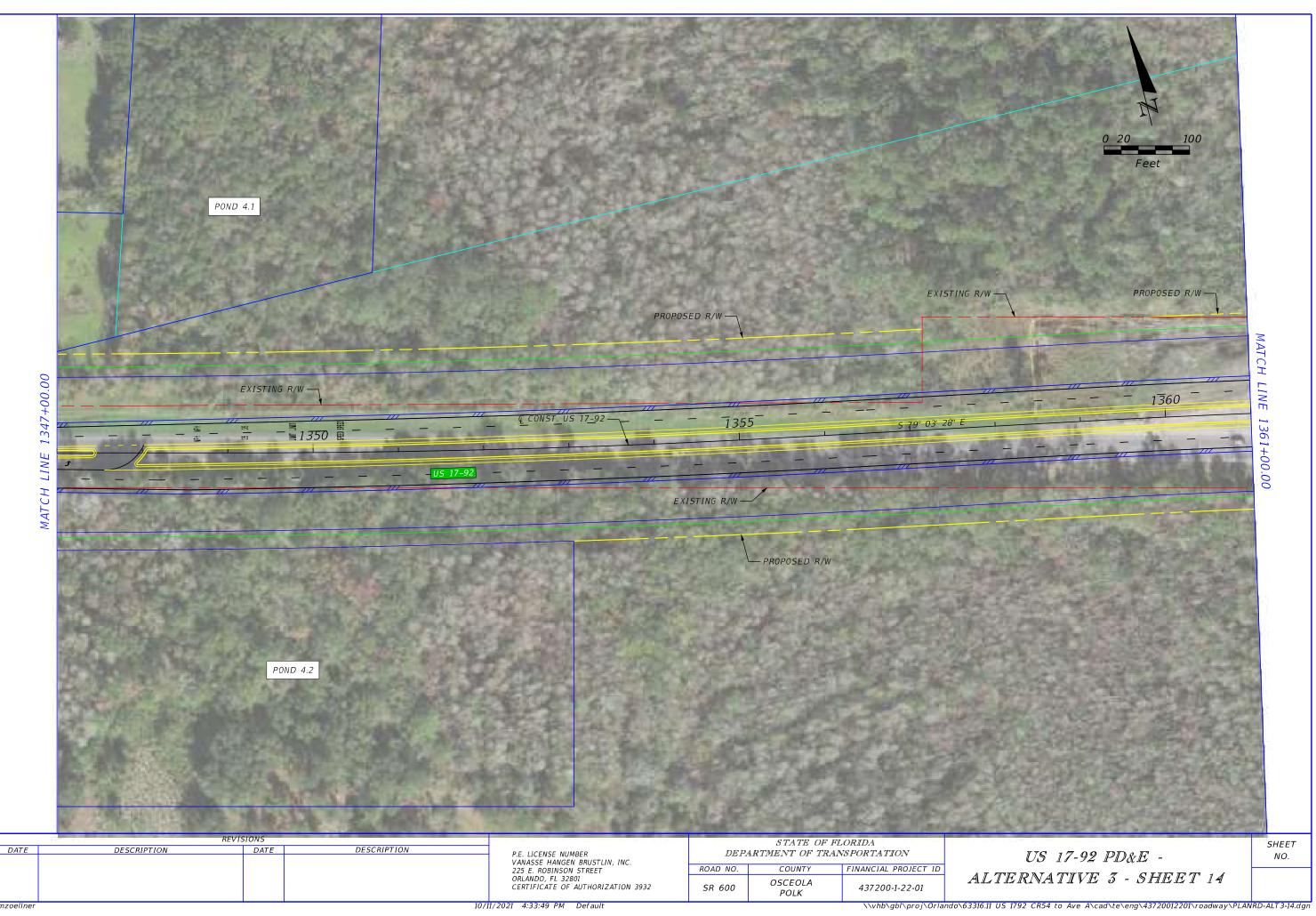


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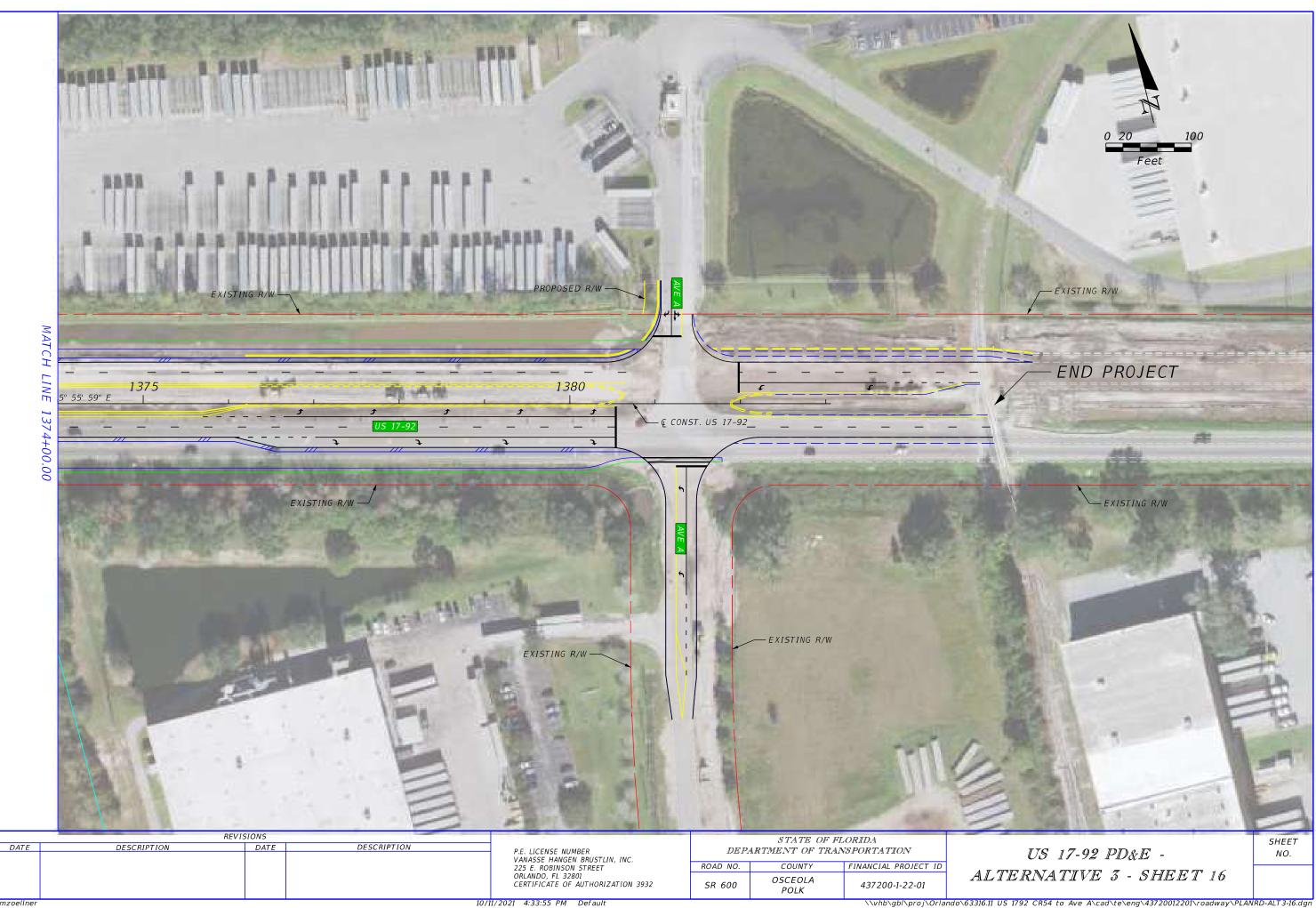


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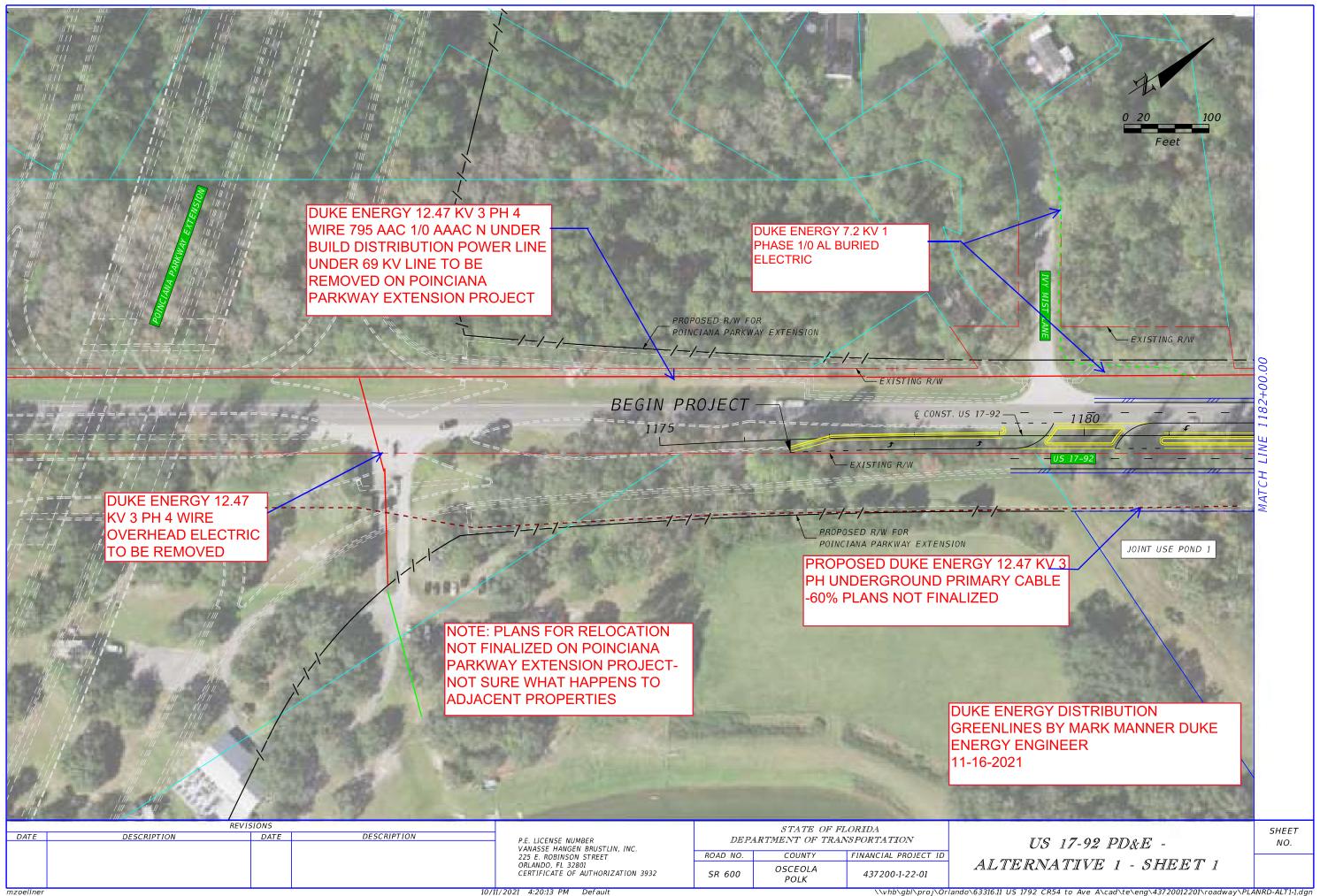


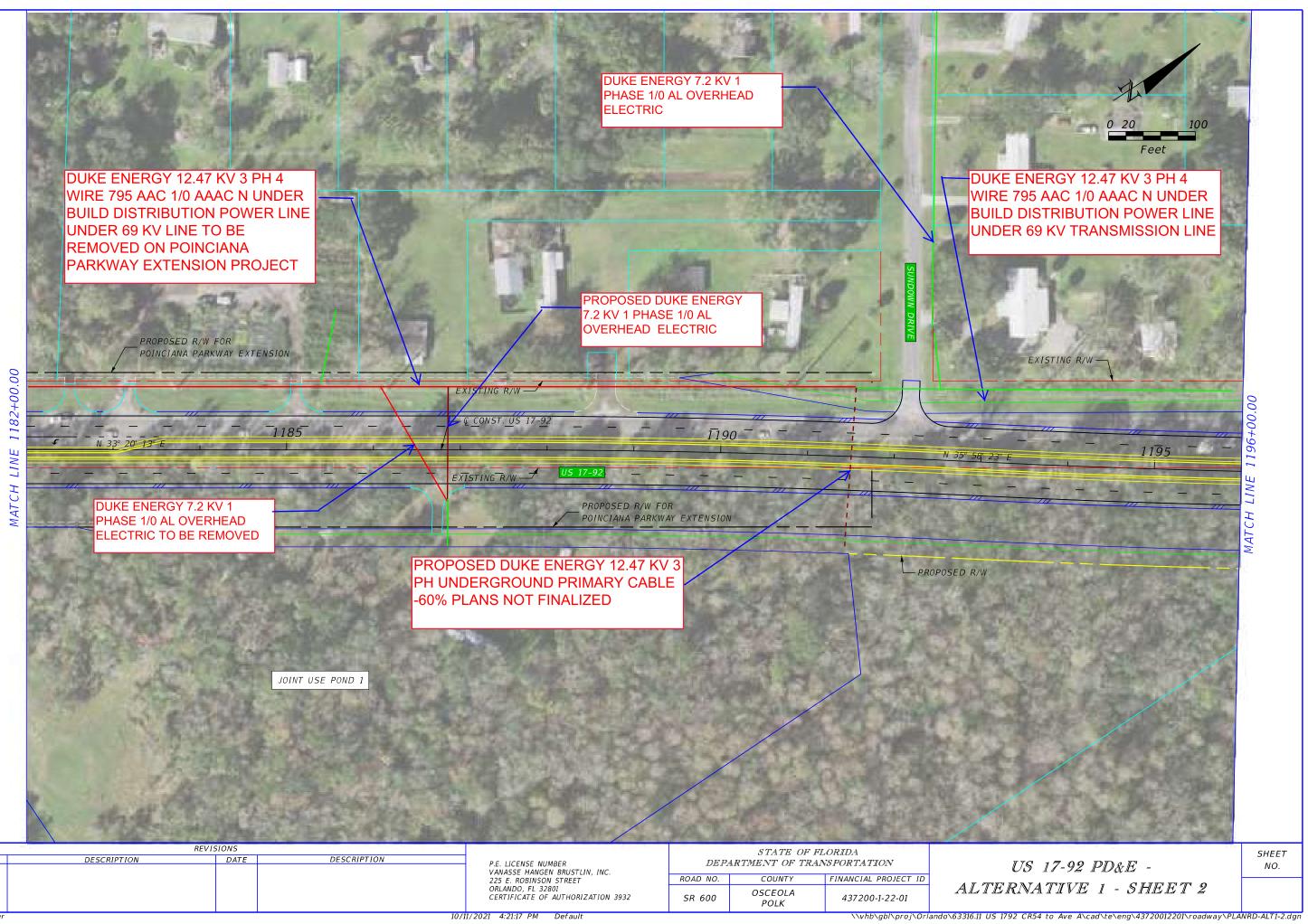
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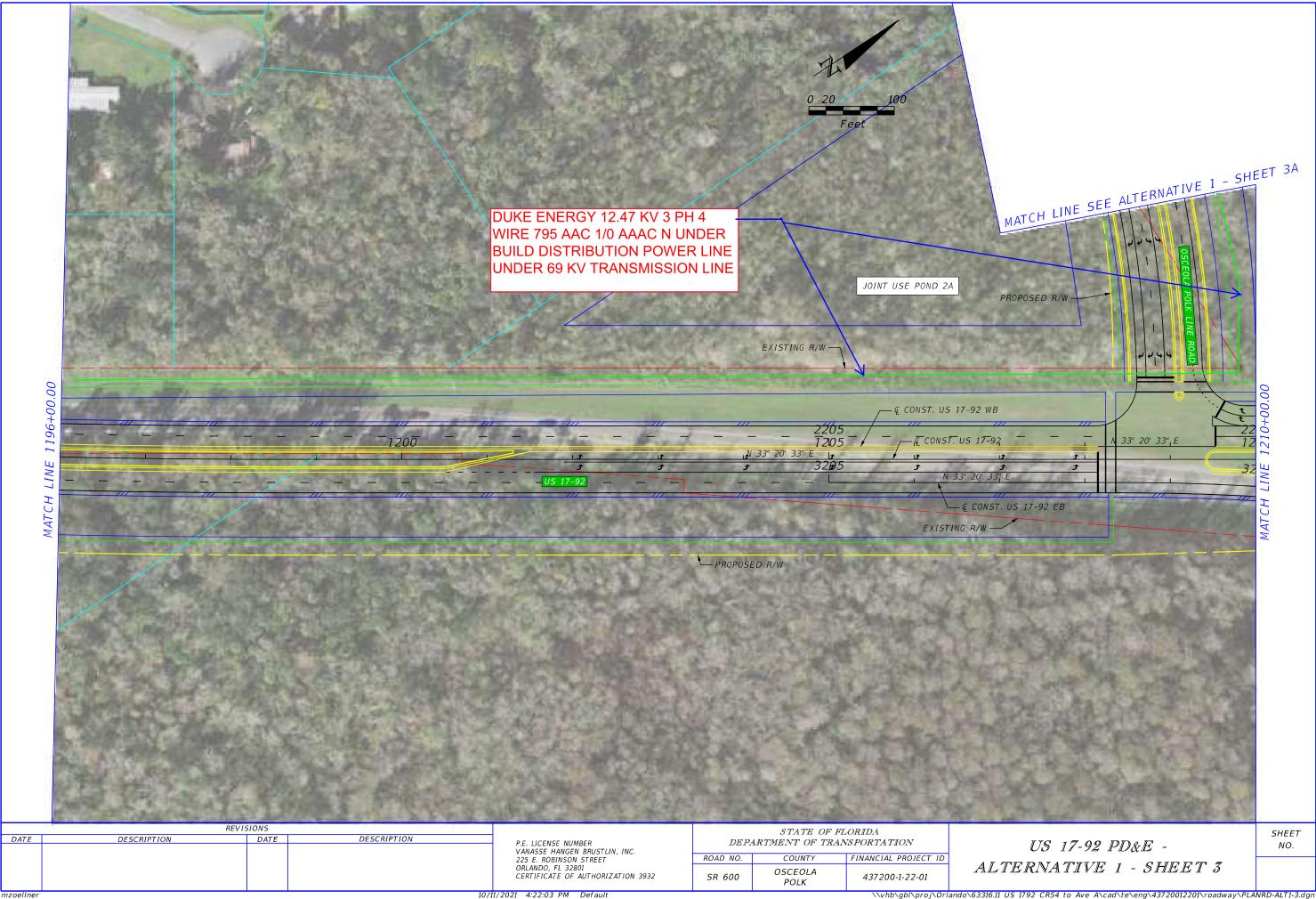
## Appendix C – Concept Plans Sent to UAOs

## Duke Energy

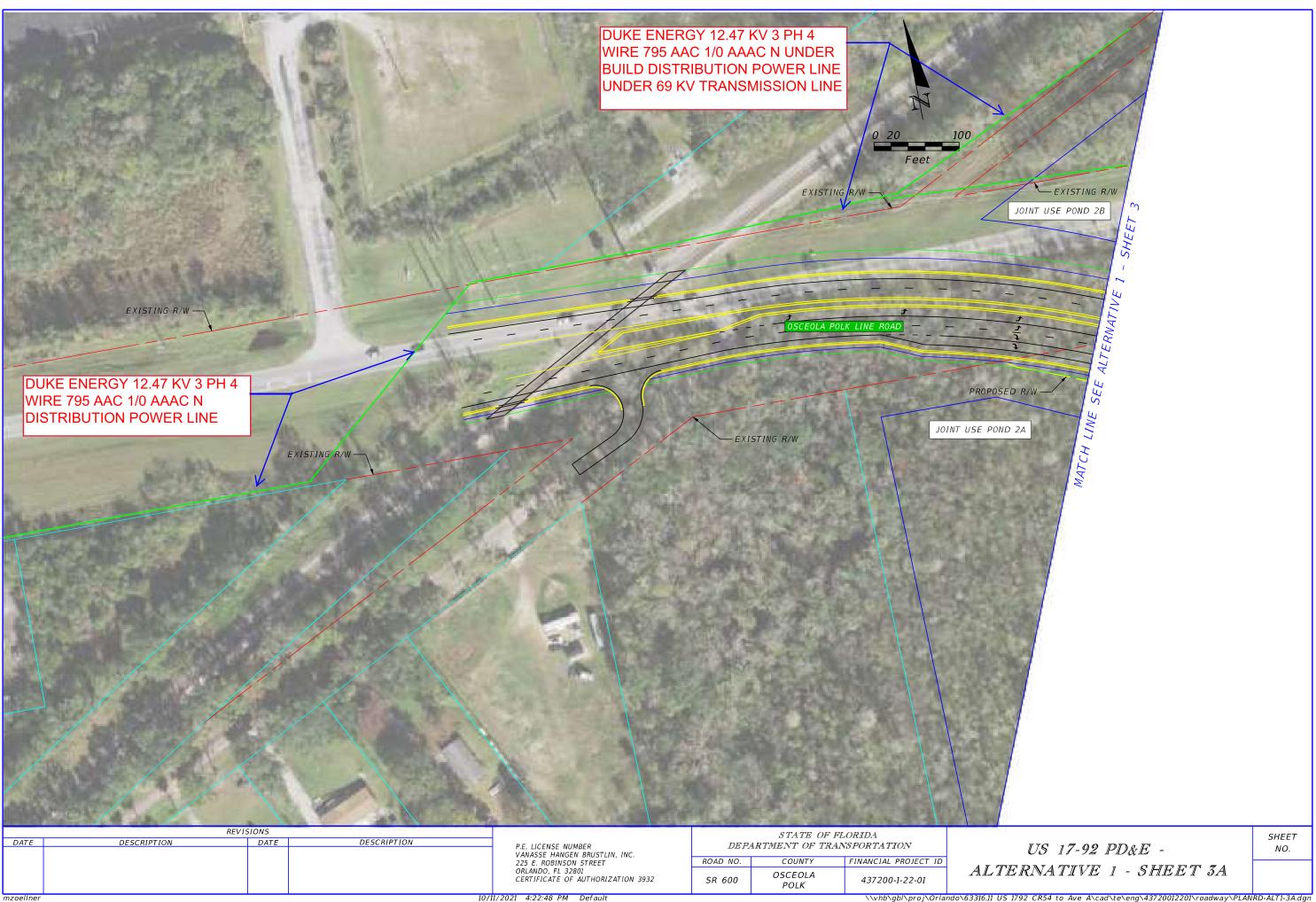




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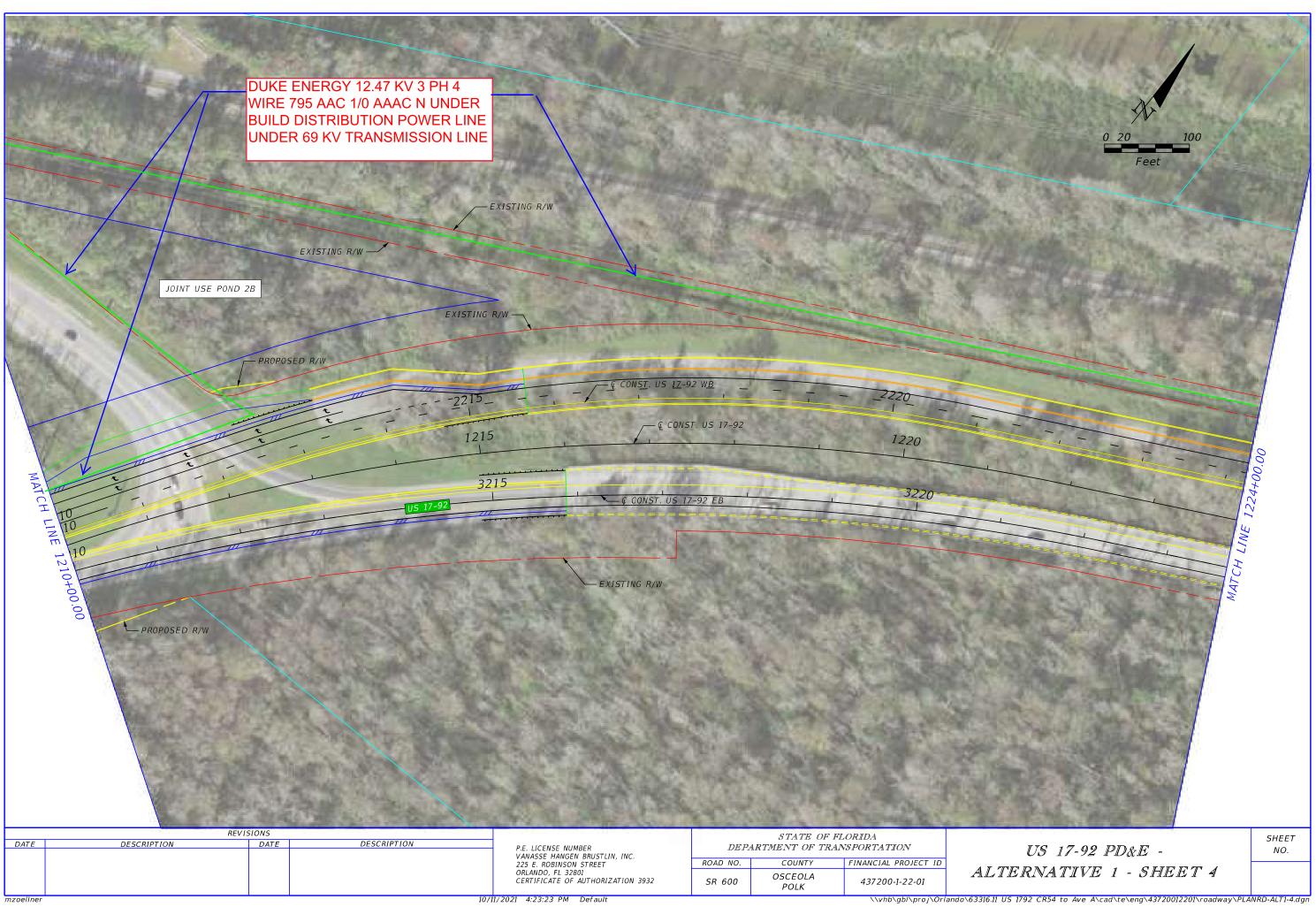


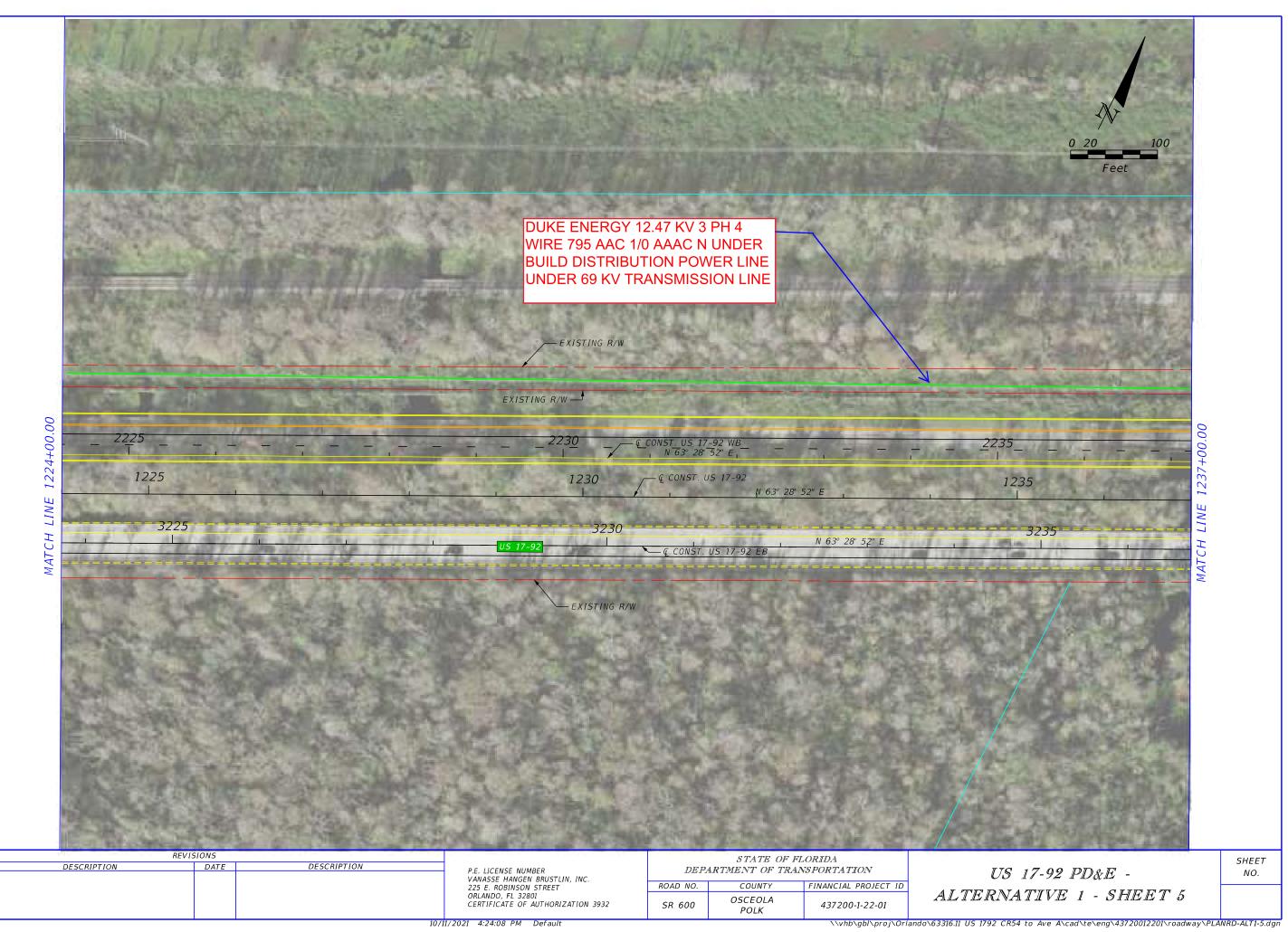
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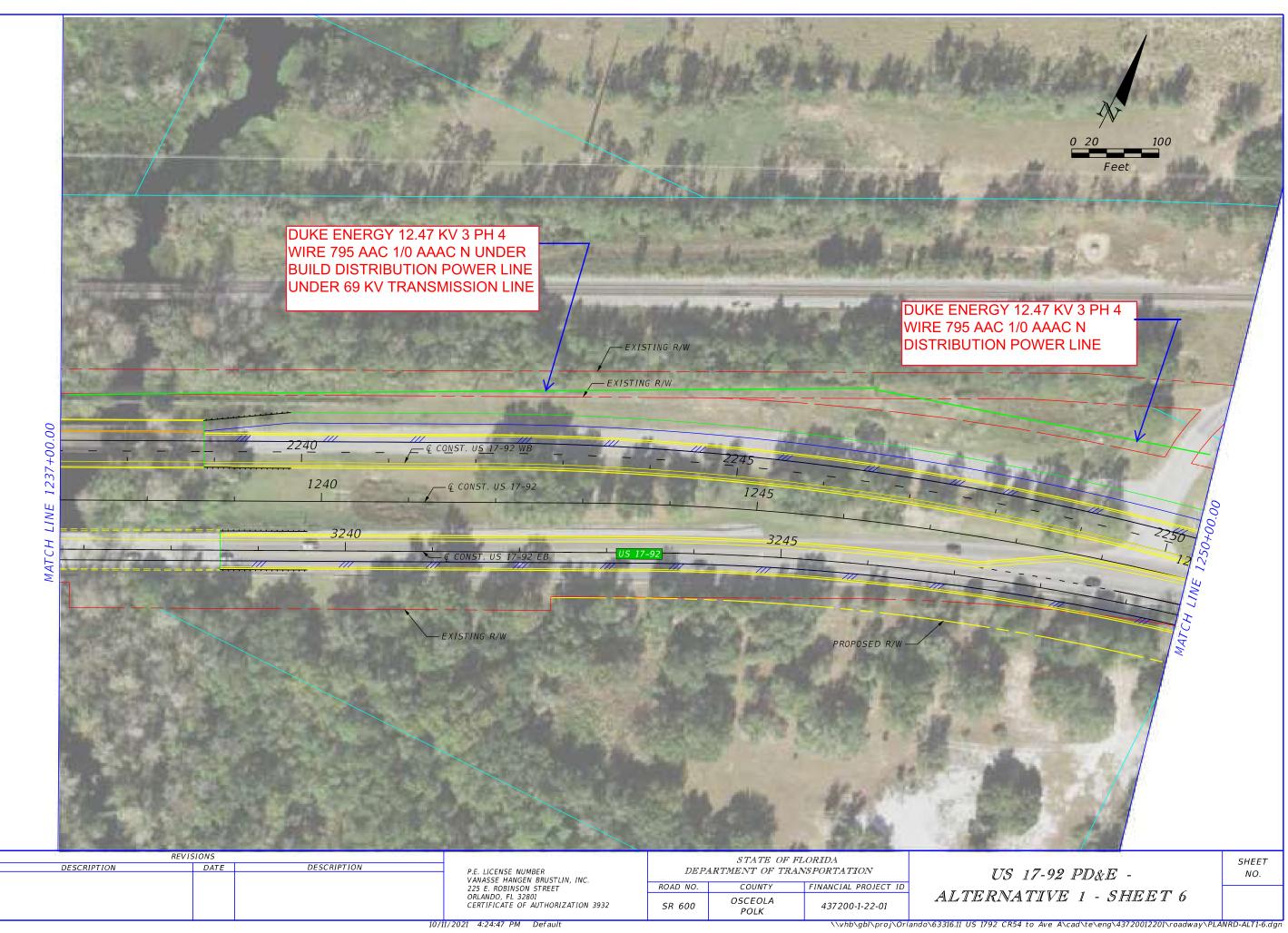


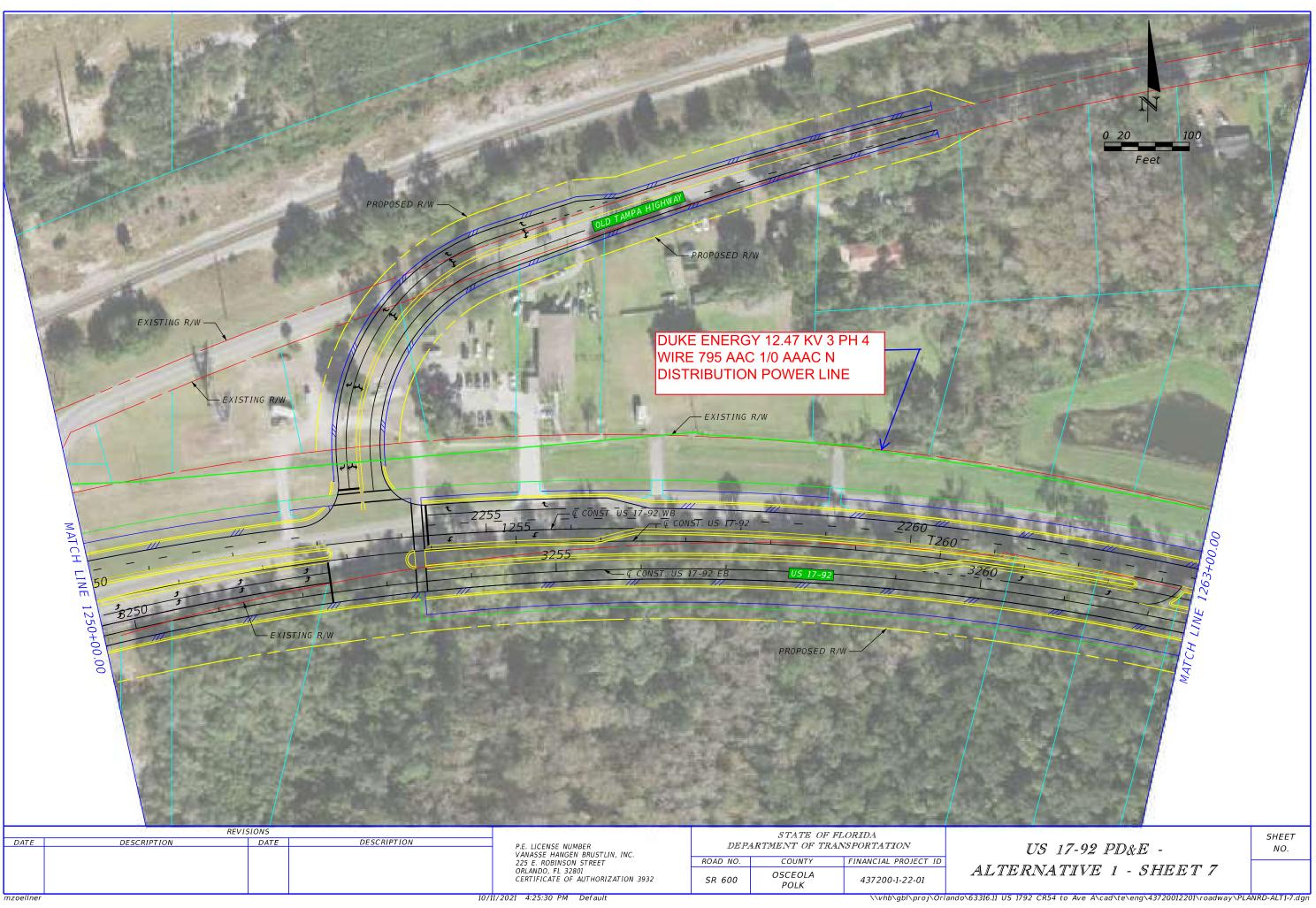
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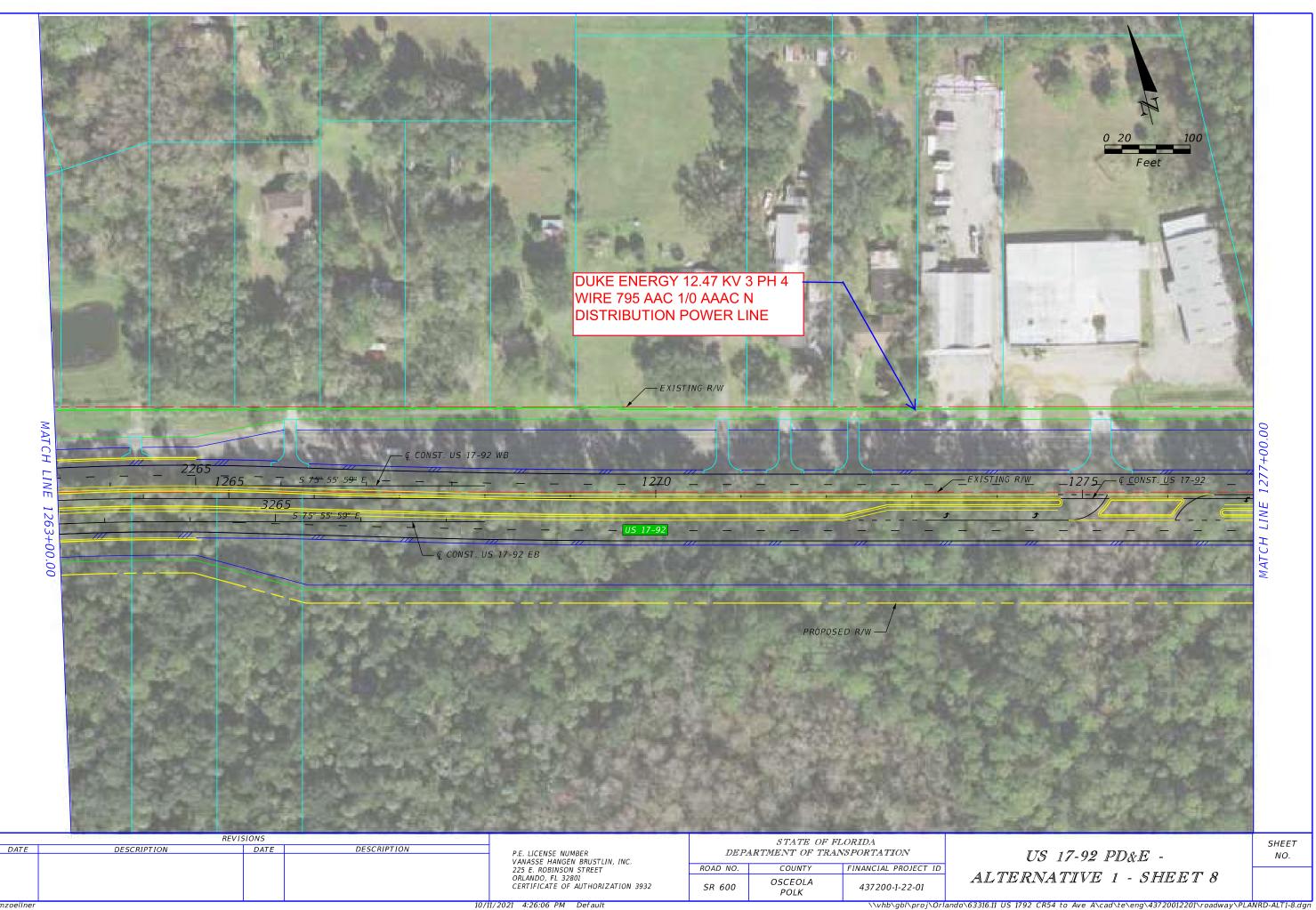
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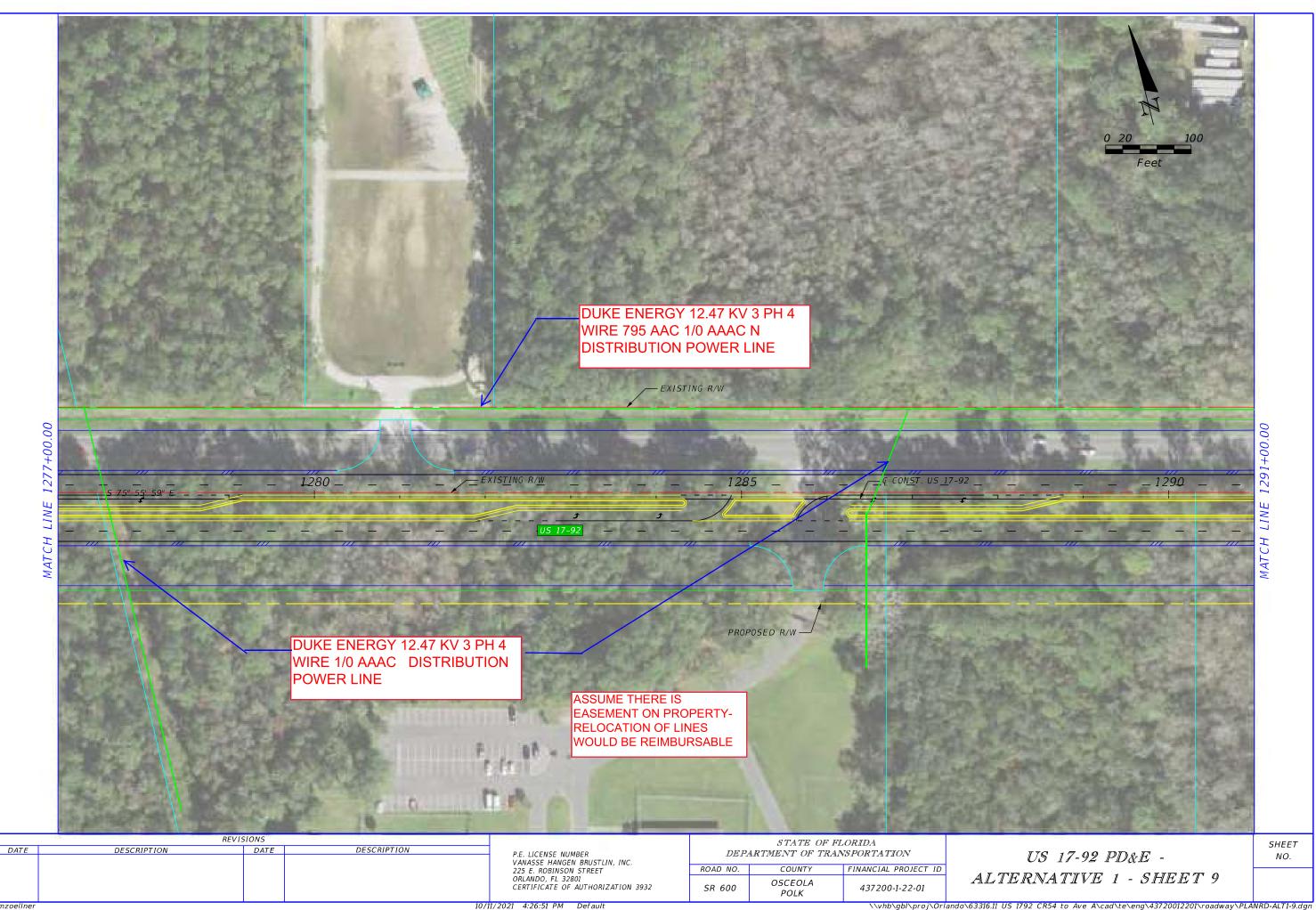


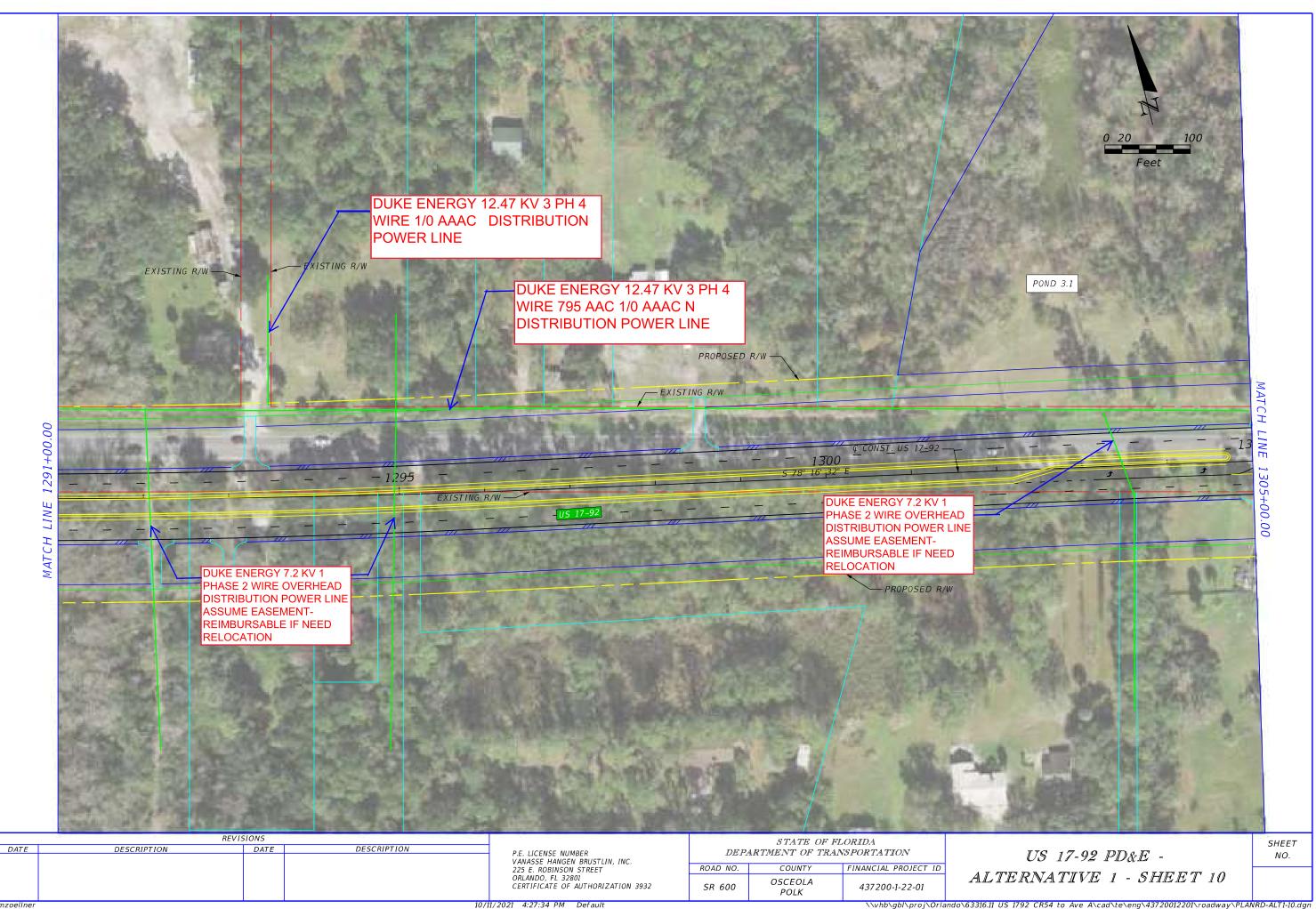


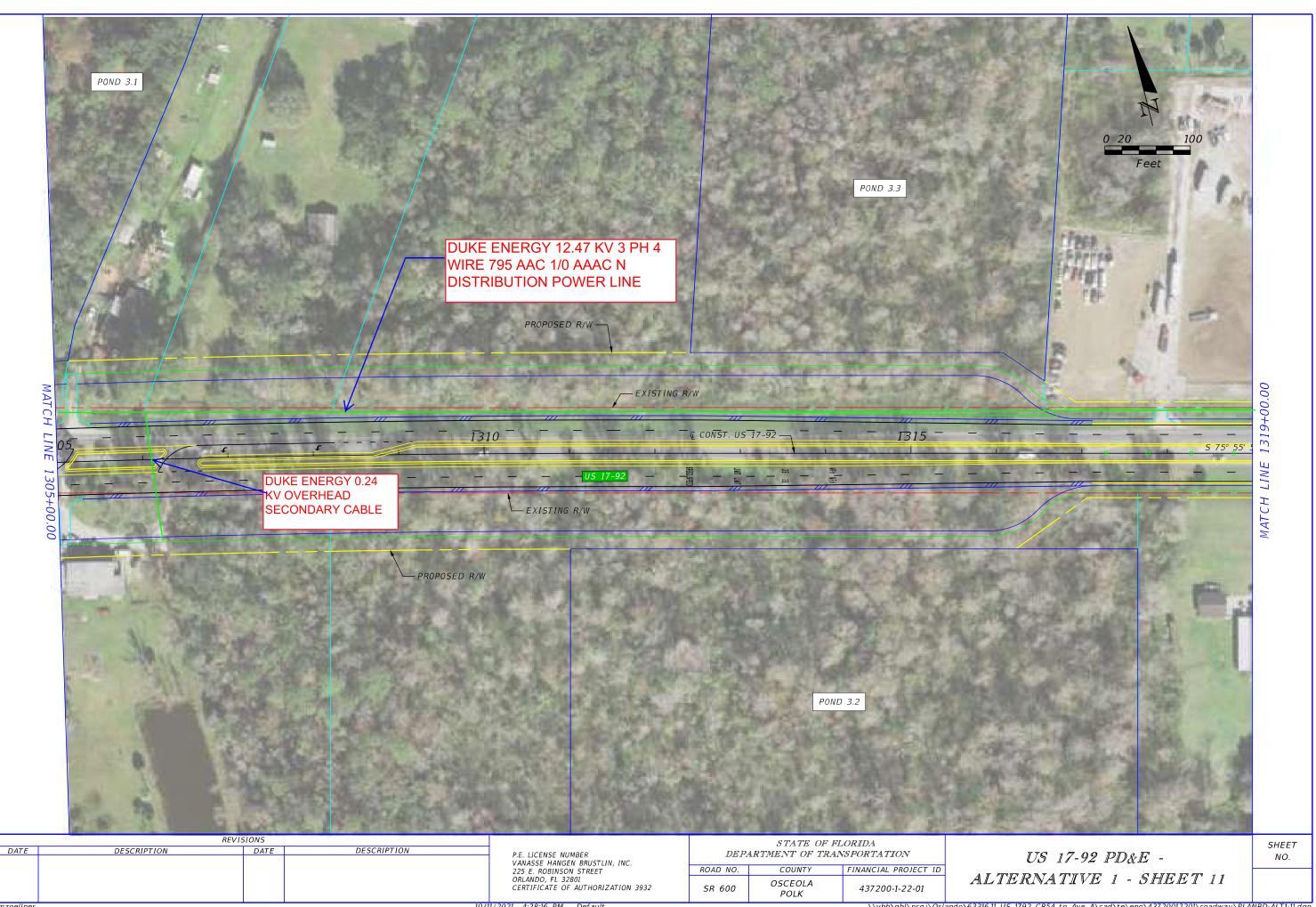




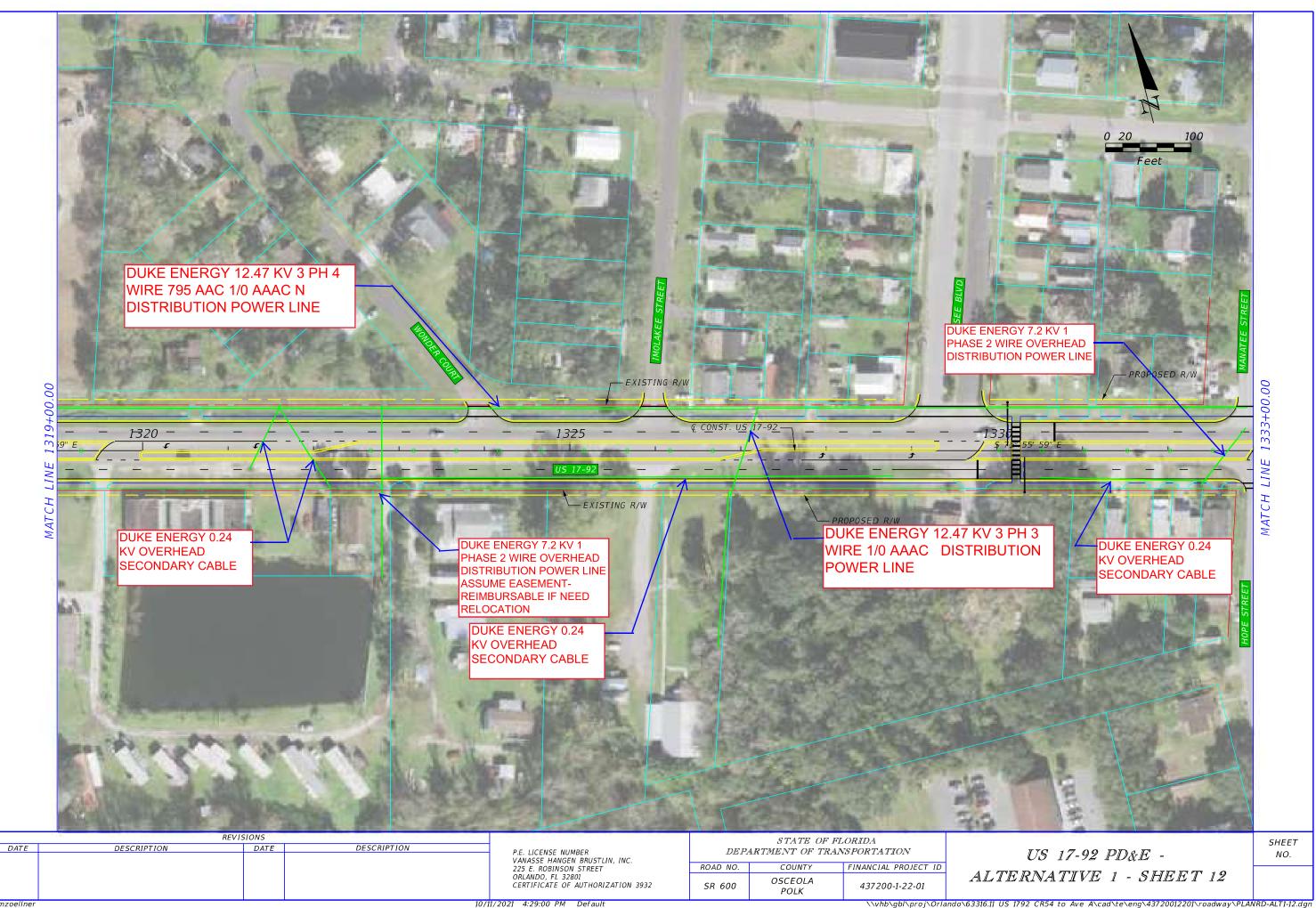
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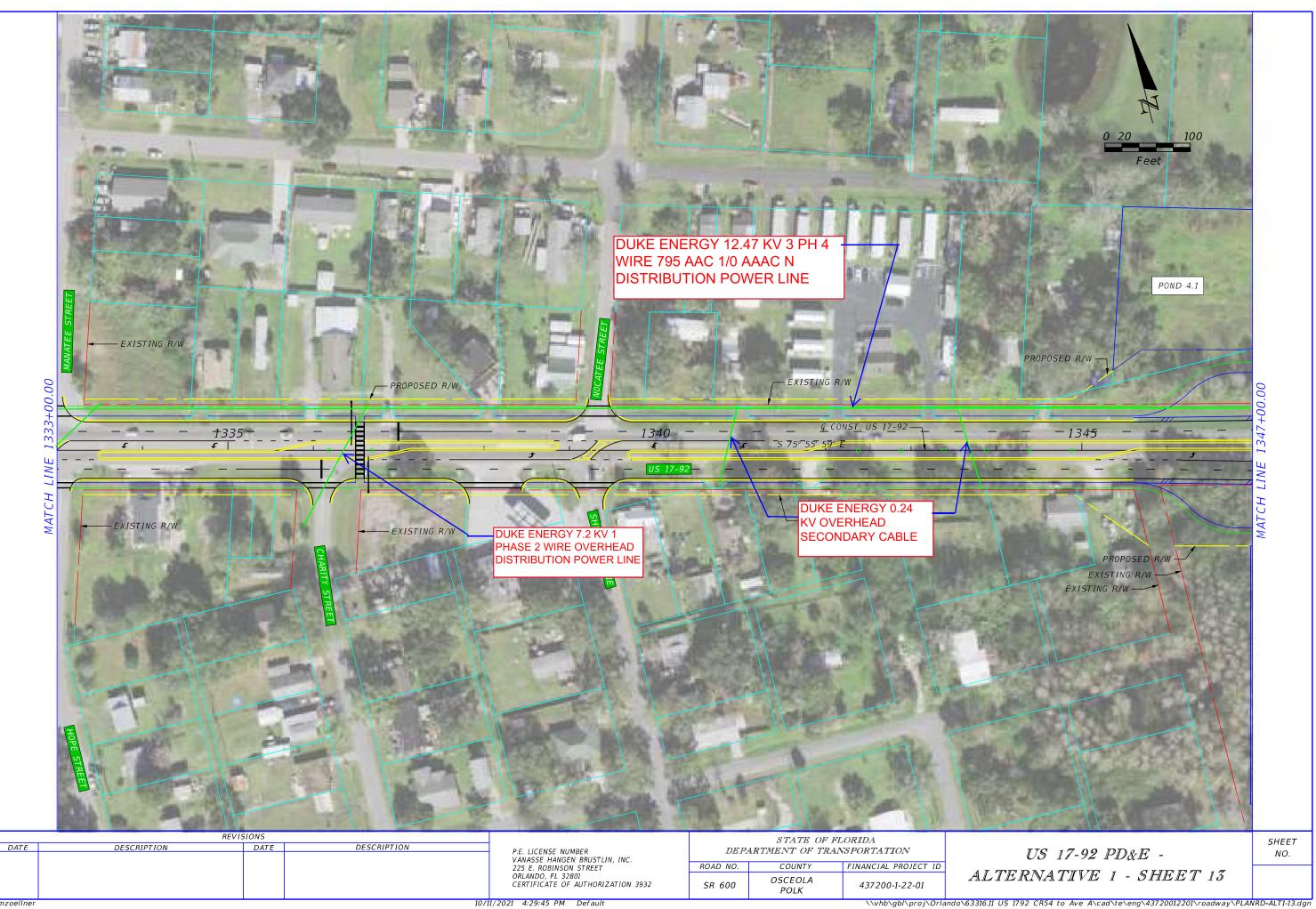


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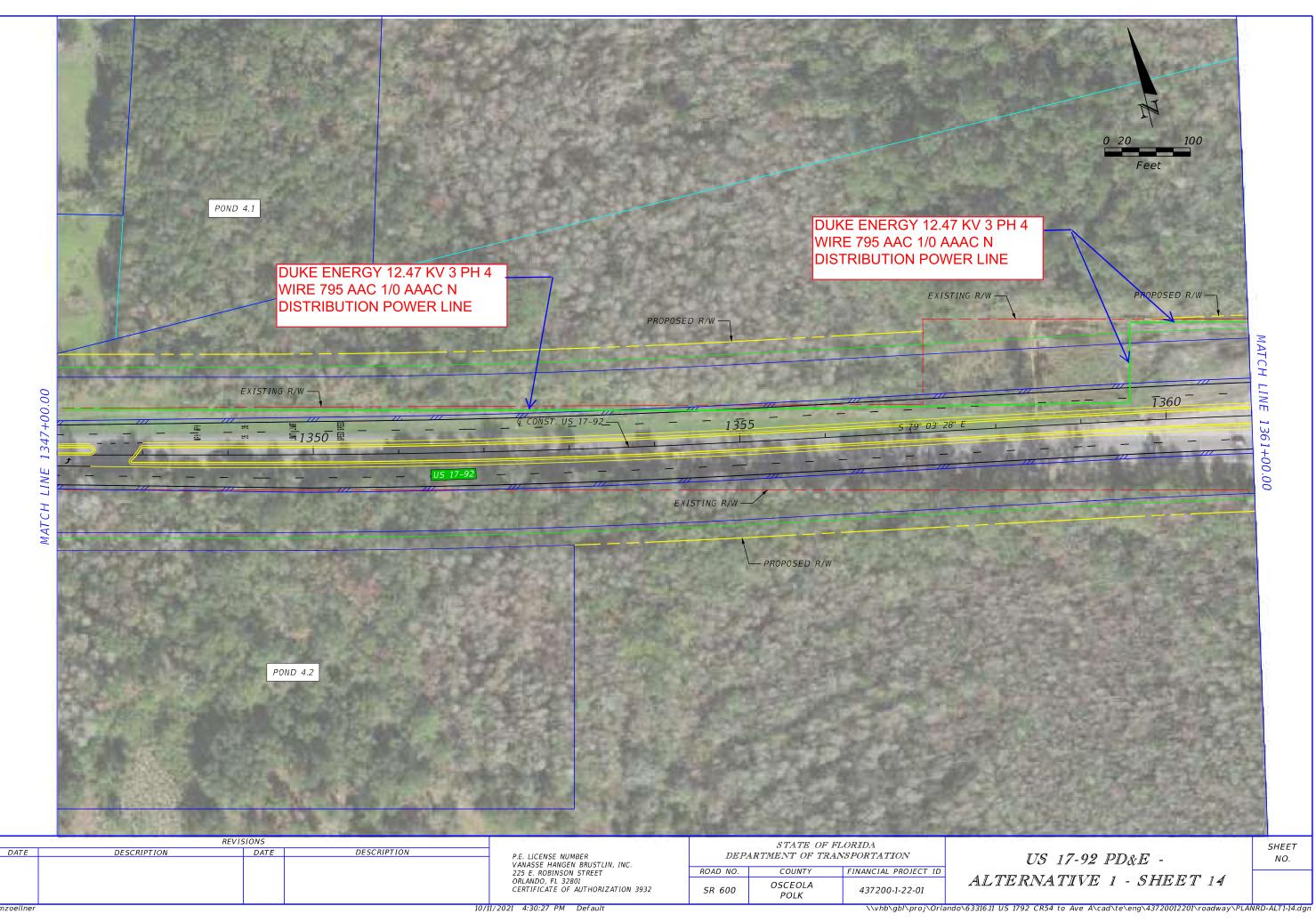


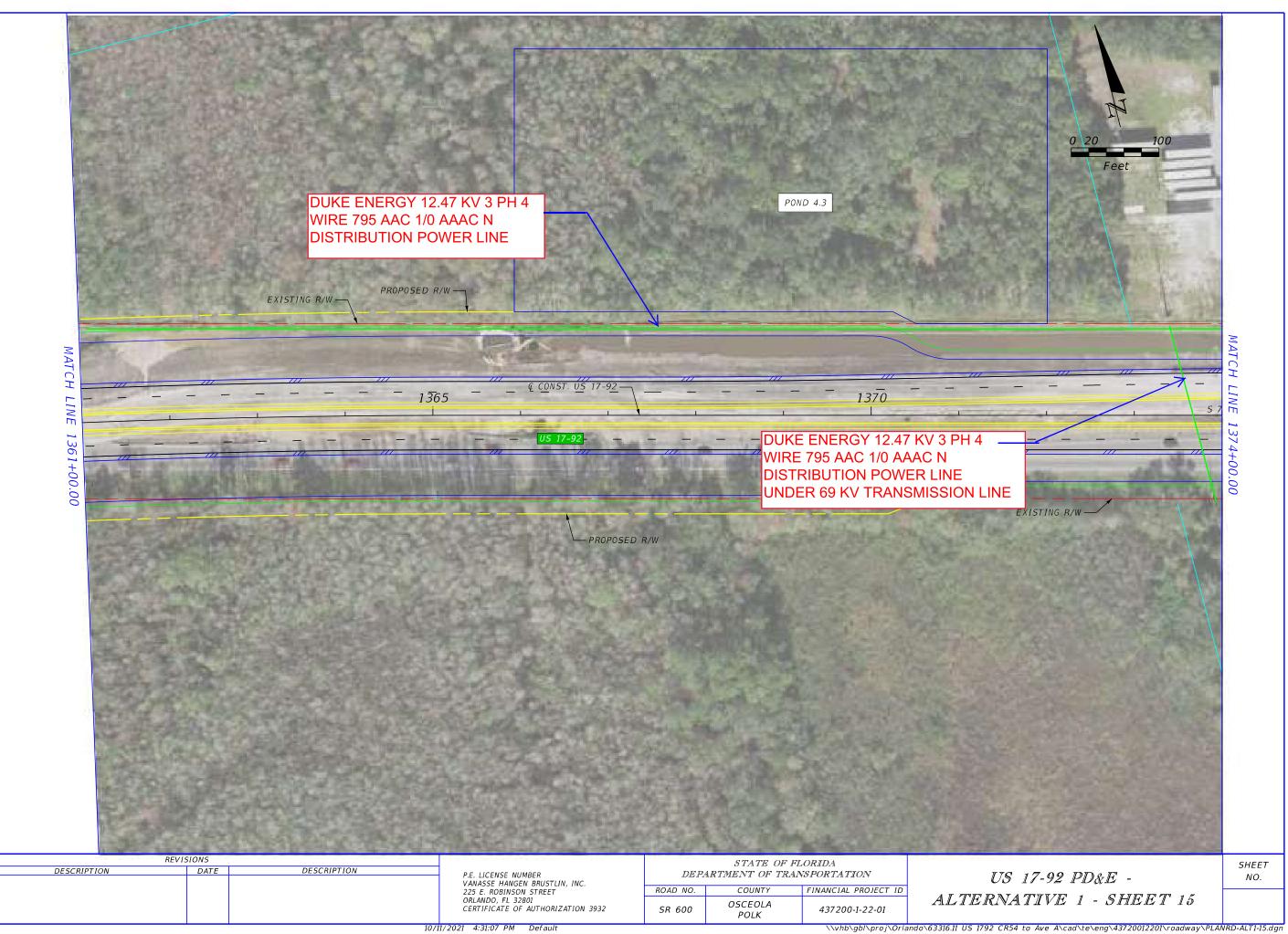
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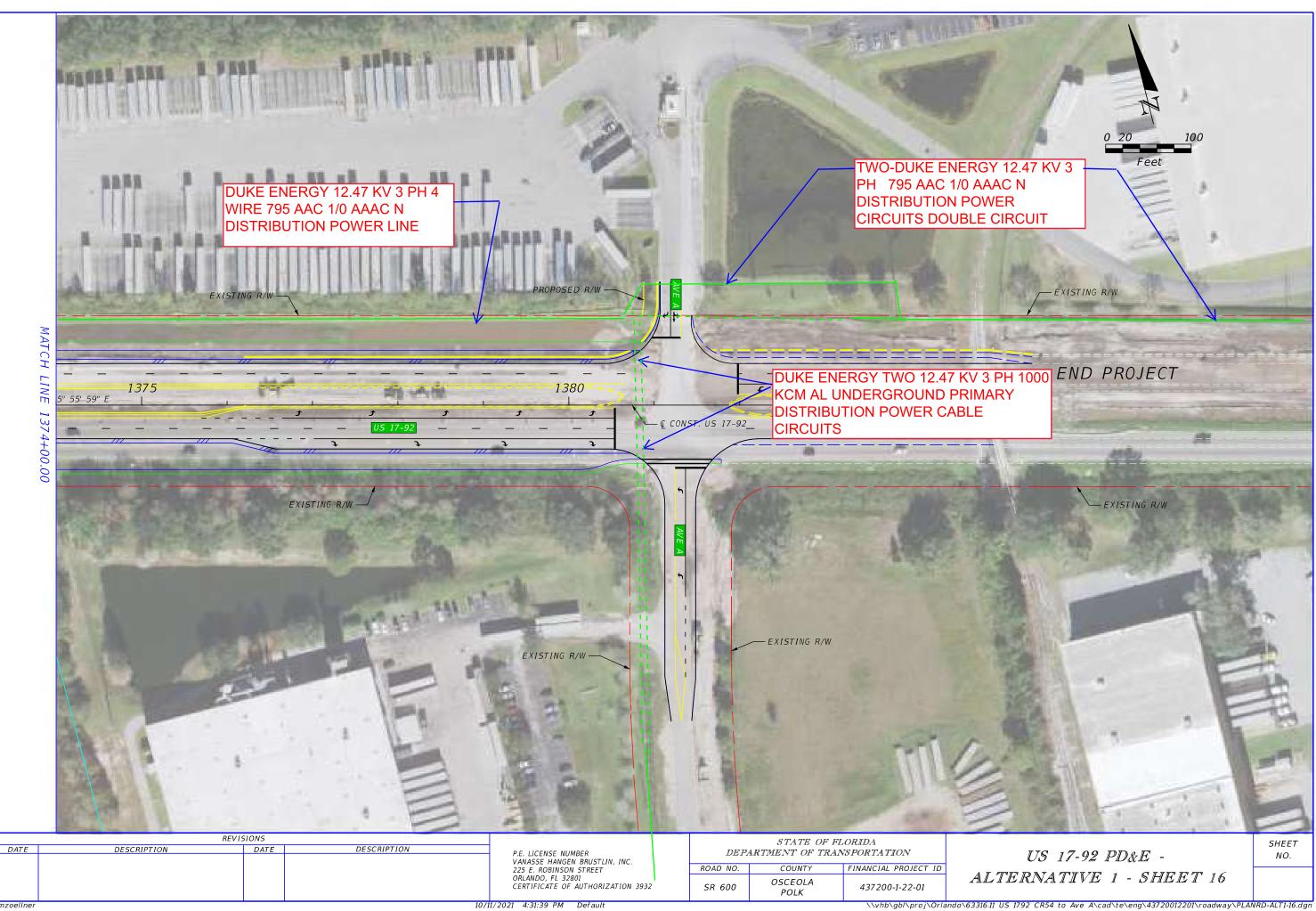
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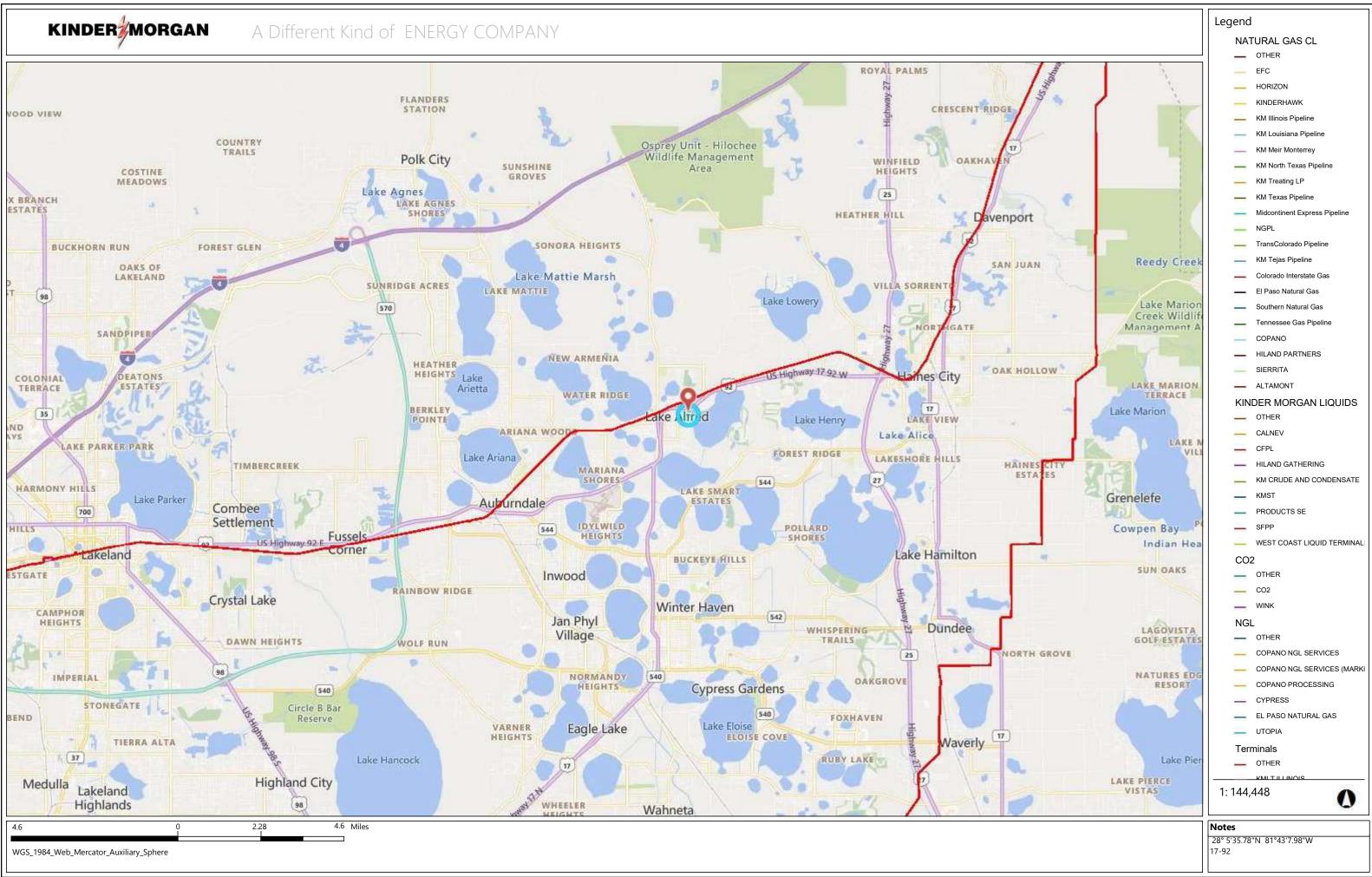
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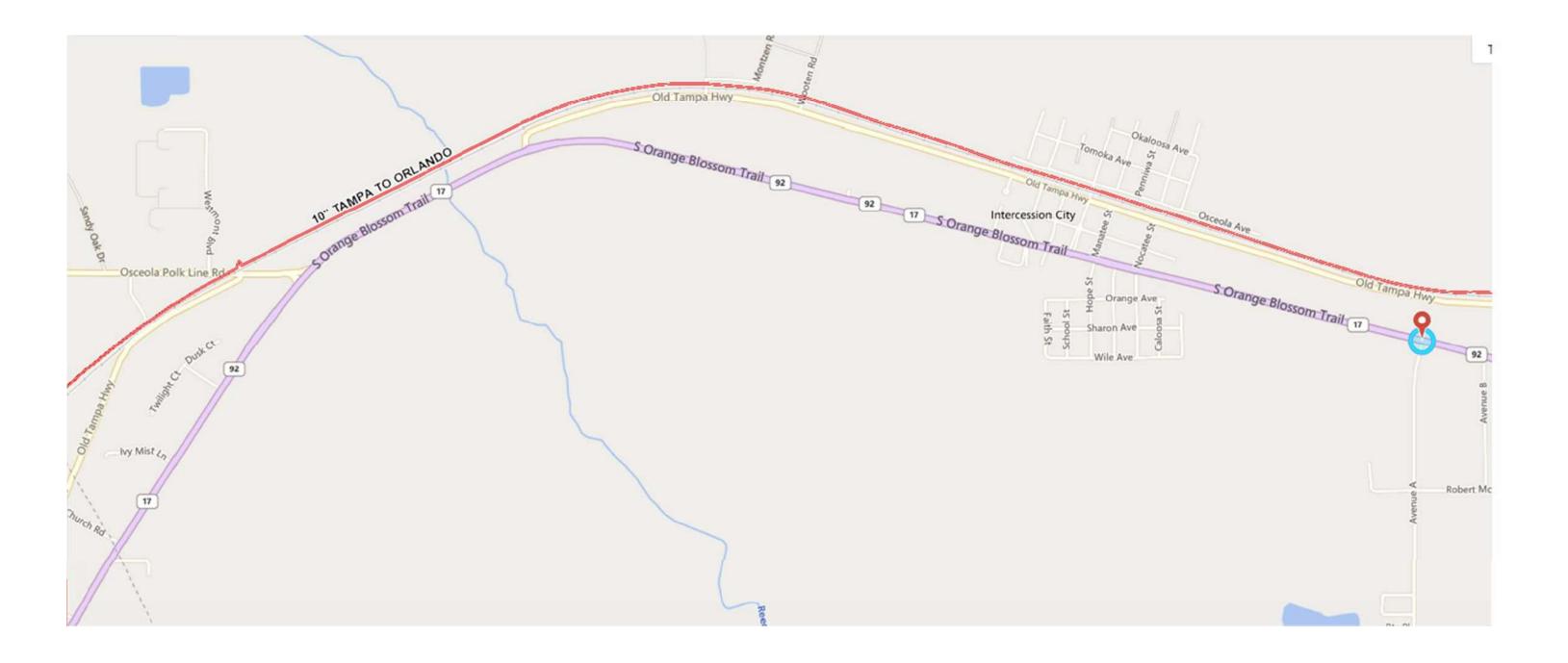






## Kinder Morgan/ Central Florida Pipeline





## Spectra Energy – Sabal Trail

## **Utility Contact Form**



Date: Company Name: Phone Number: Email Address: FPI: Emergency number to be inserted on plans

| 10/19/2021                    |
|-------------------------------|
| Sabal Trail Transmission, LLC |
| 863-349-5260                  |
| Erica.Jacobson@Enbridge.com   |
| 437200-1                      |
| 888-568-7269                  |
|                               |

Existing facilities are located:

|   | Within existing FDOT Right-of-Way<br>Within existing County/City Right-of-Way |
|---|---|
|   | Within railroad Right-of-Way  |
|   | Within an easement or fee title property                                      |
| Χ | Not within project limits (Has no facilities within limits)                   |
|   | No Utility Work Schedule (Has facilities within limits but is not affected)   |
| Χ | There will not be a claim for reimbursement                                   |
|   | There will be a claim for reimbursement *                                     |
|   | Facilities located along Interstate corridor                                  |

\* Please provide any document(s) [i.e. fee title property deed or easement document(s)] within the project limits that formulates the basis for your entitlement to be reimbursed for your utility work. NOTE: A preliminary cost estimate for any utility work within this entitled area is required.

Enclosed please find:

| X | _ Marked Roadway Plans<br>_ Legal Documents | Company Utility Plans Preliminary Cost Estimate |
|---|---|---|
|   | POLE OWNERS: L                              | ist Joint Pole Users                            |

## **COMMENTS:**

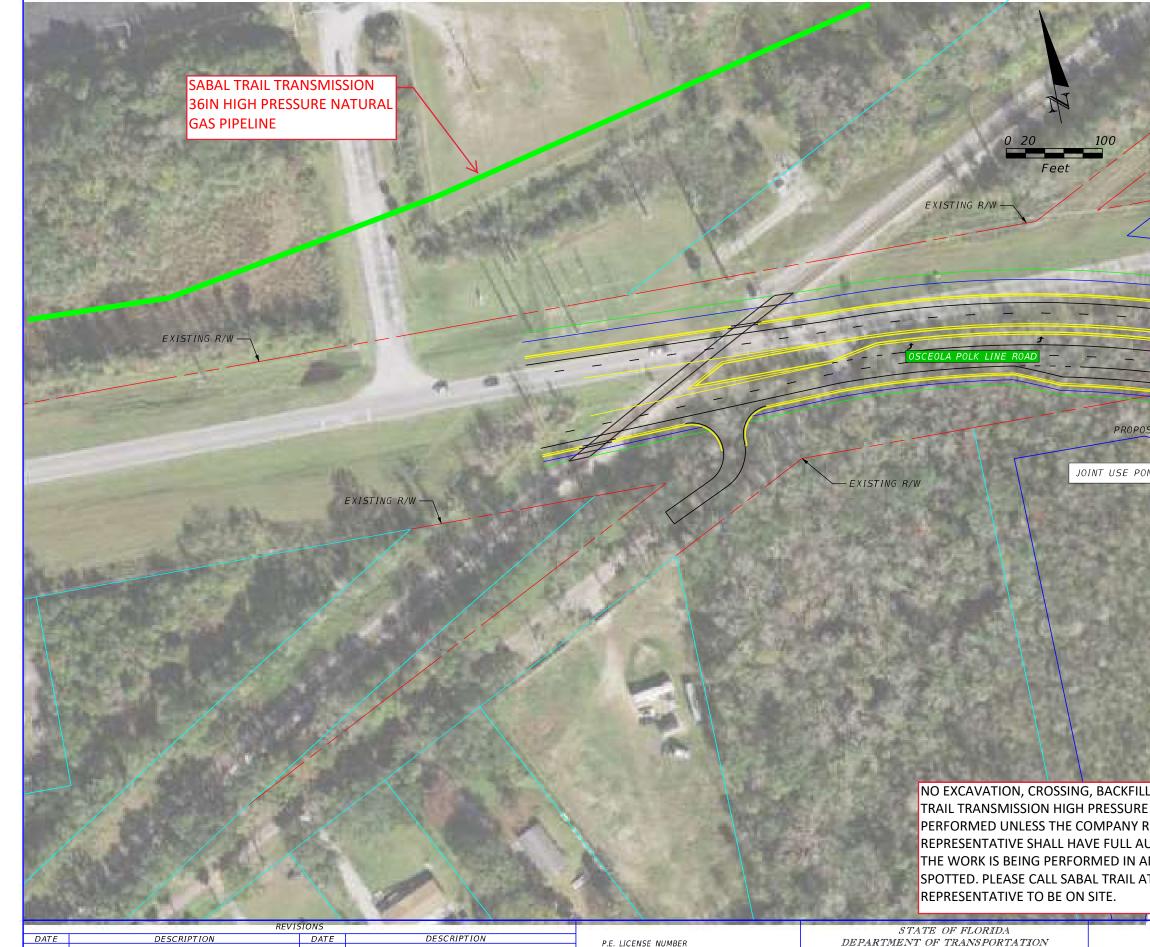
Location of the Sabal Trail Transmission pipeline is marked in green on the appropriate sheets.

Signed:

Erica Jacobson

Title:

**Right of Way Agent** 



|      | REVISIONS   |      |             |  |  |  |  |
|------|-------------|------|-------------|--|--|--|--|
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P.E. LICENSE NUMBER VANASSE HANGEN BRUSTLIN, INC. 225 E. ROBINSON STREET ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 3932 ROAD NO. SR 600

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FINANCIAL PROJECT ID

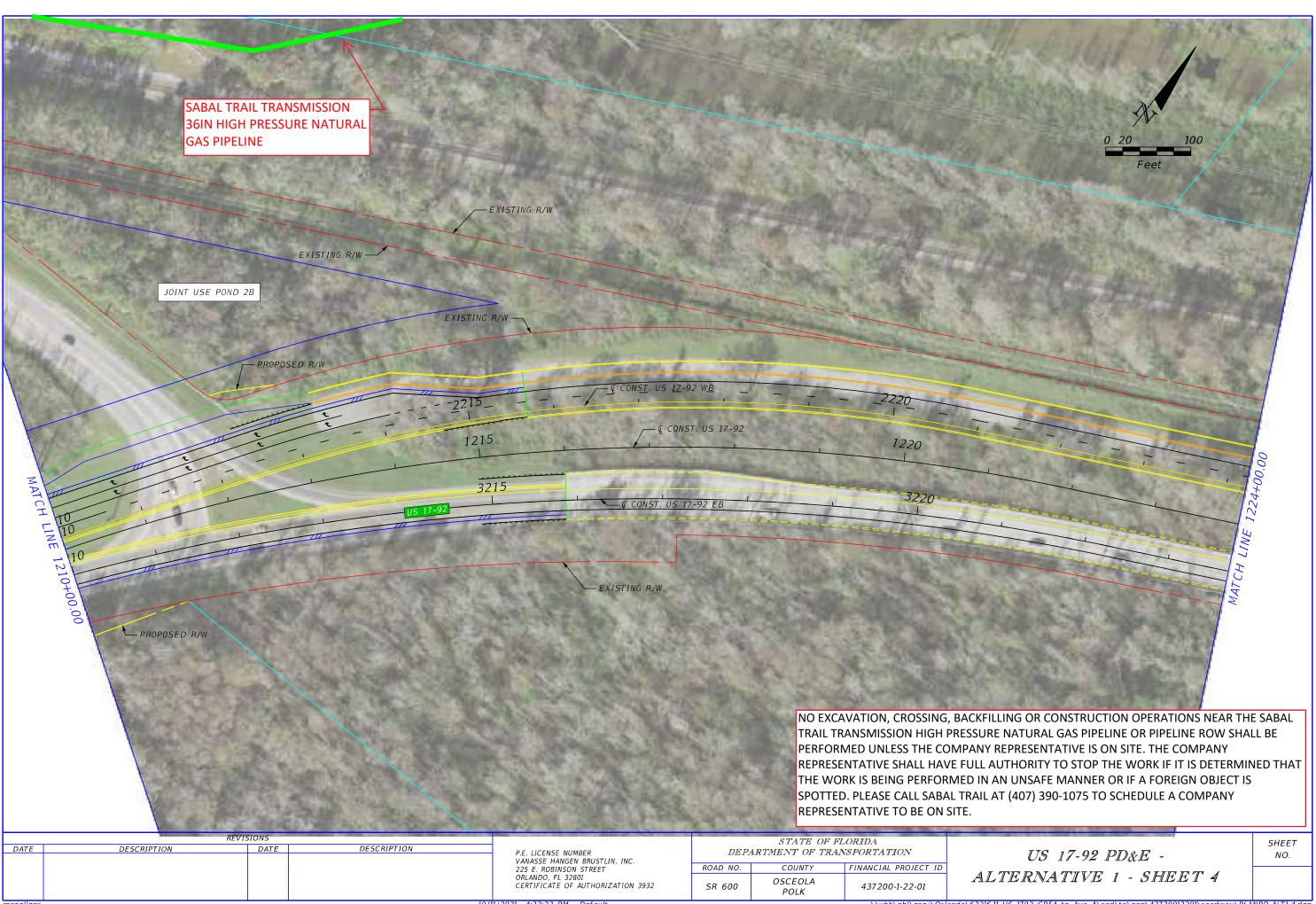
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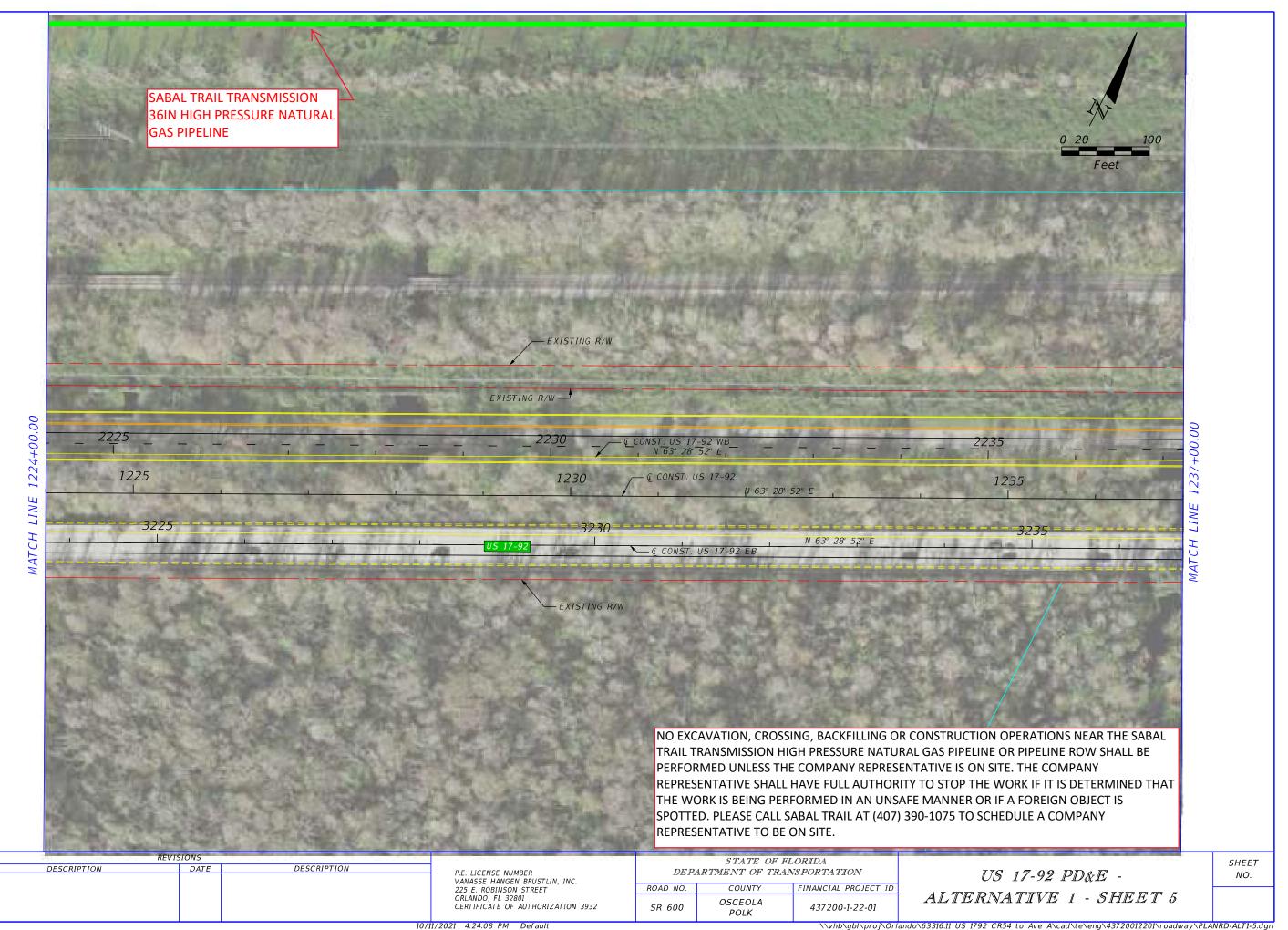
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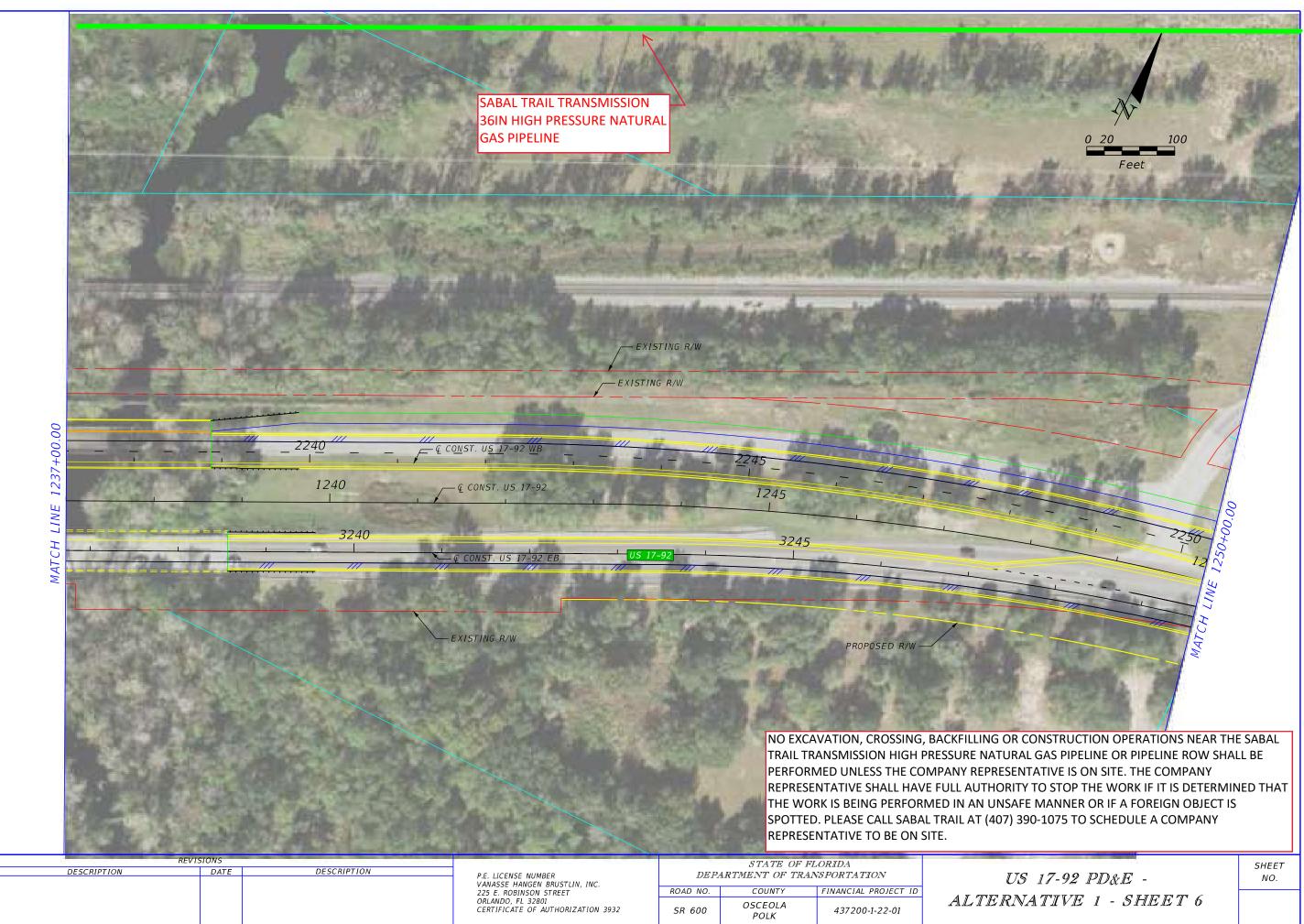
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| PROPOSED R/W<br>JOINT USE POND 2A   |                  |
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| TION, CROSSING, BACKFILLING OR CONSTRUCTION OPERATIONS NEAR T<br>SMISSION HIGH PRESSURE NATURAL GAS PIPELINE OR PIPELINE ROW SH<br>UNLESS THE COMPANY REPRESENTATIVE IS ON SITE. THE COMPANY<br>TIVE SHALL HAVE FULL AUTHORITY TO STOP THE WORK IF IT IS DETERM<br>S BEING PERFORMED IN AN UNSAFE MANNER OR IF A FOREIGN OBJECT<br>EASE CALL SABAL TRAIL AT (407) 390-1075 TO SCHEDULE A COMPANY<br>TIVE TO BE ON SITE. | ALL BE           |
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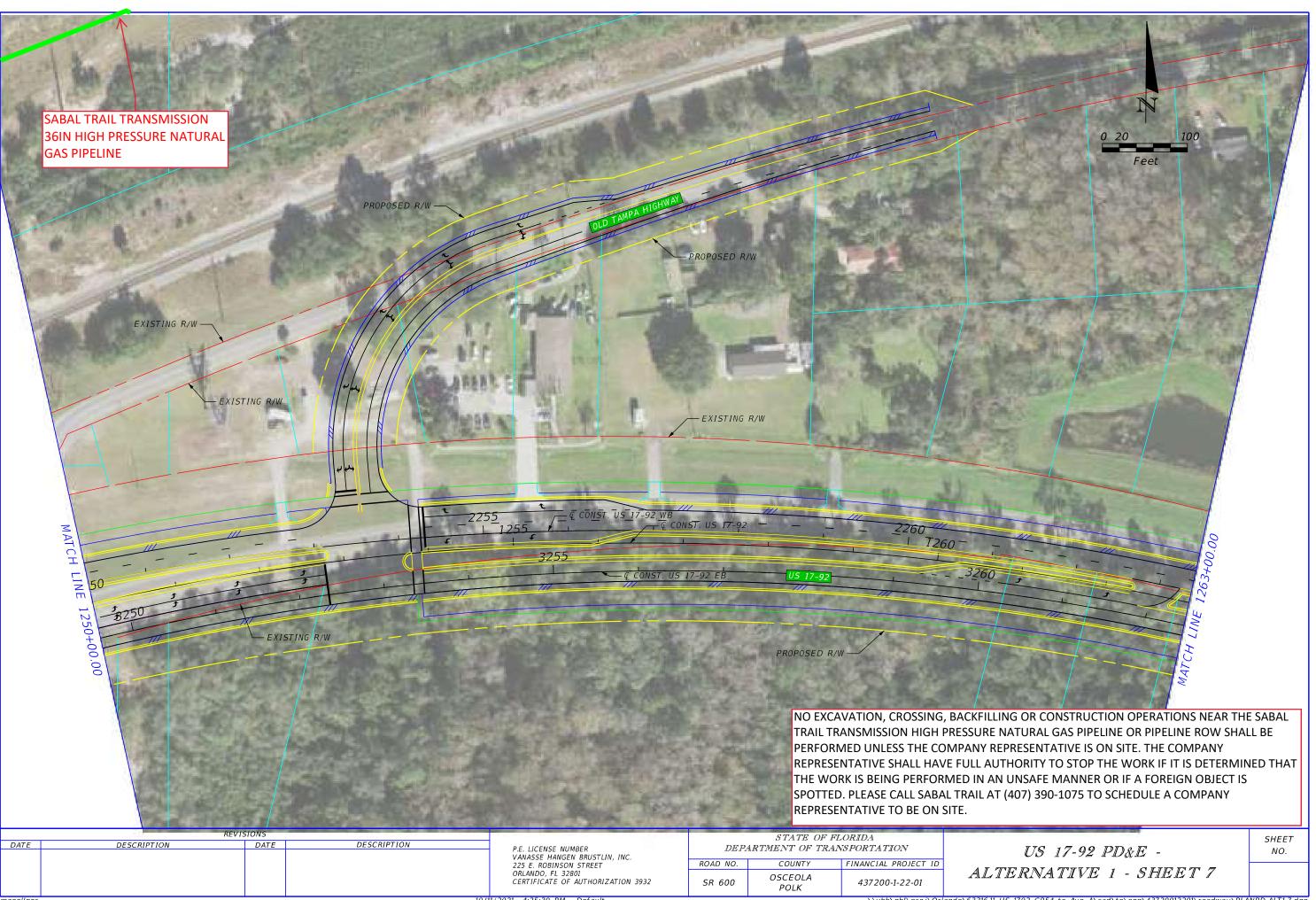


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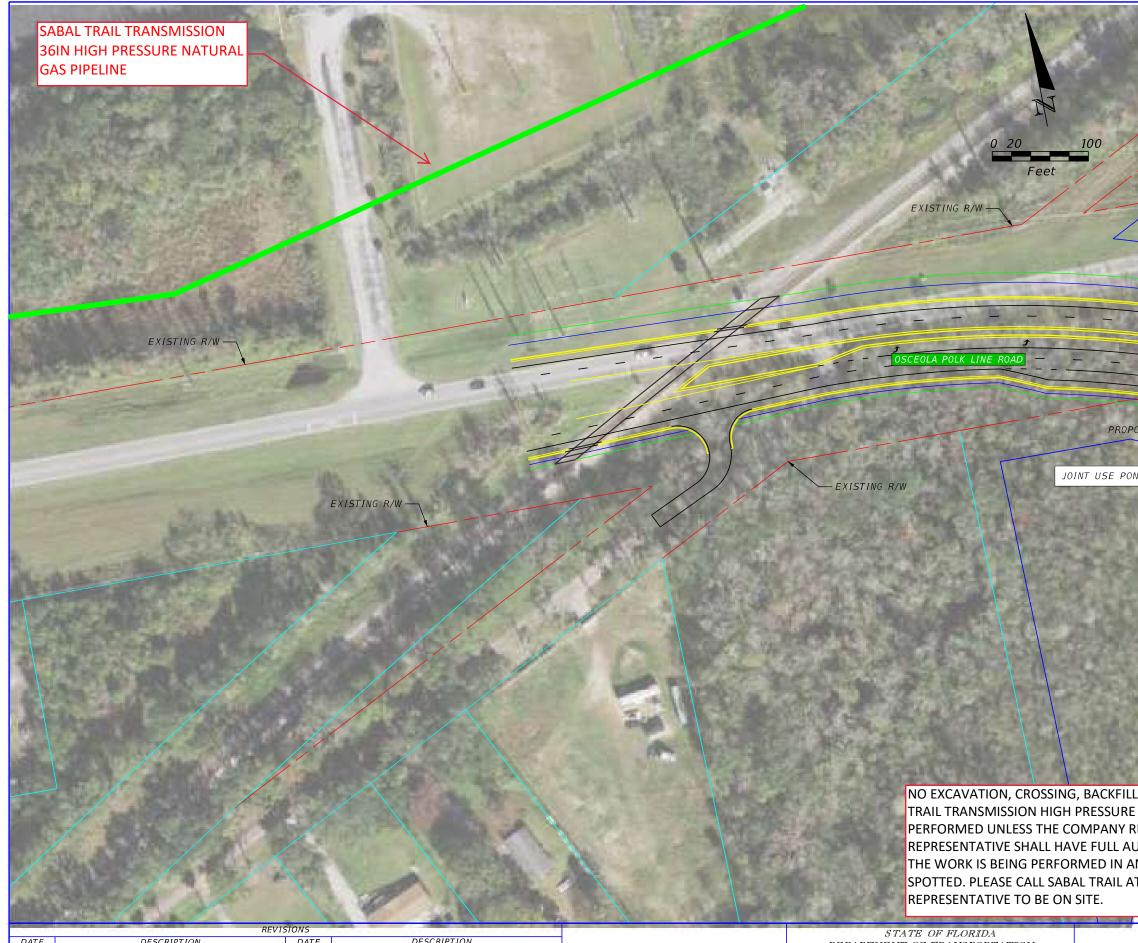




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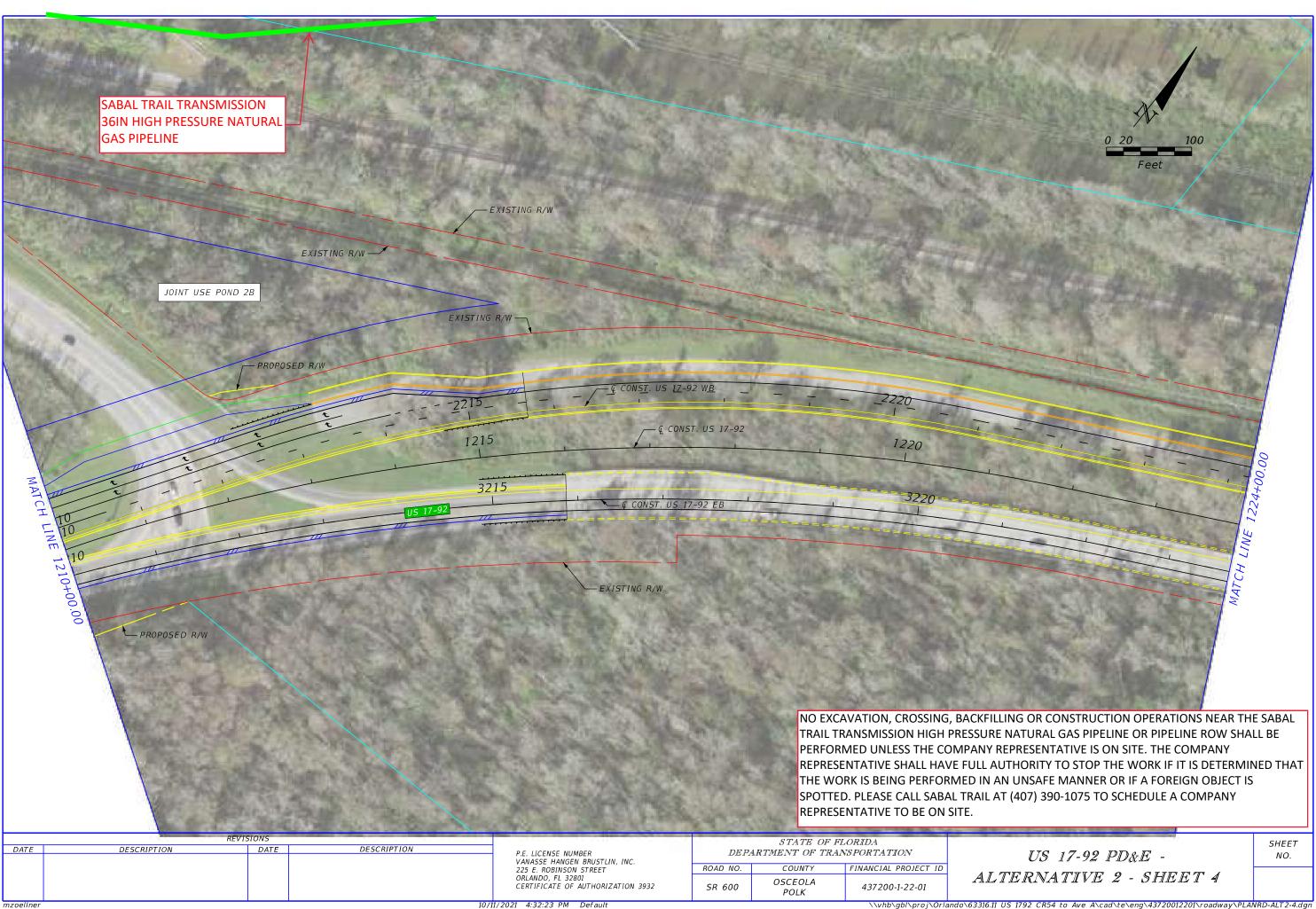


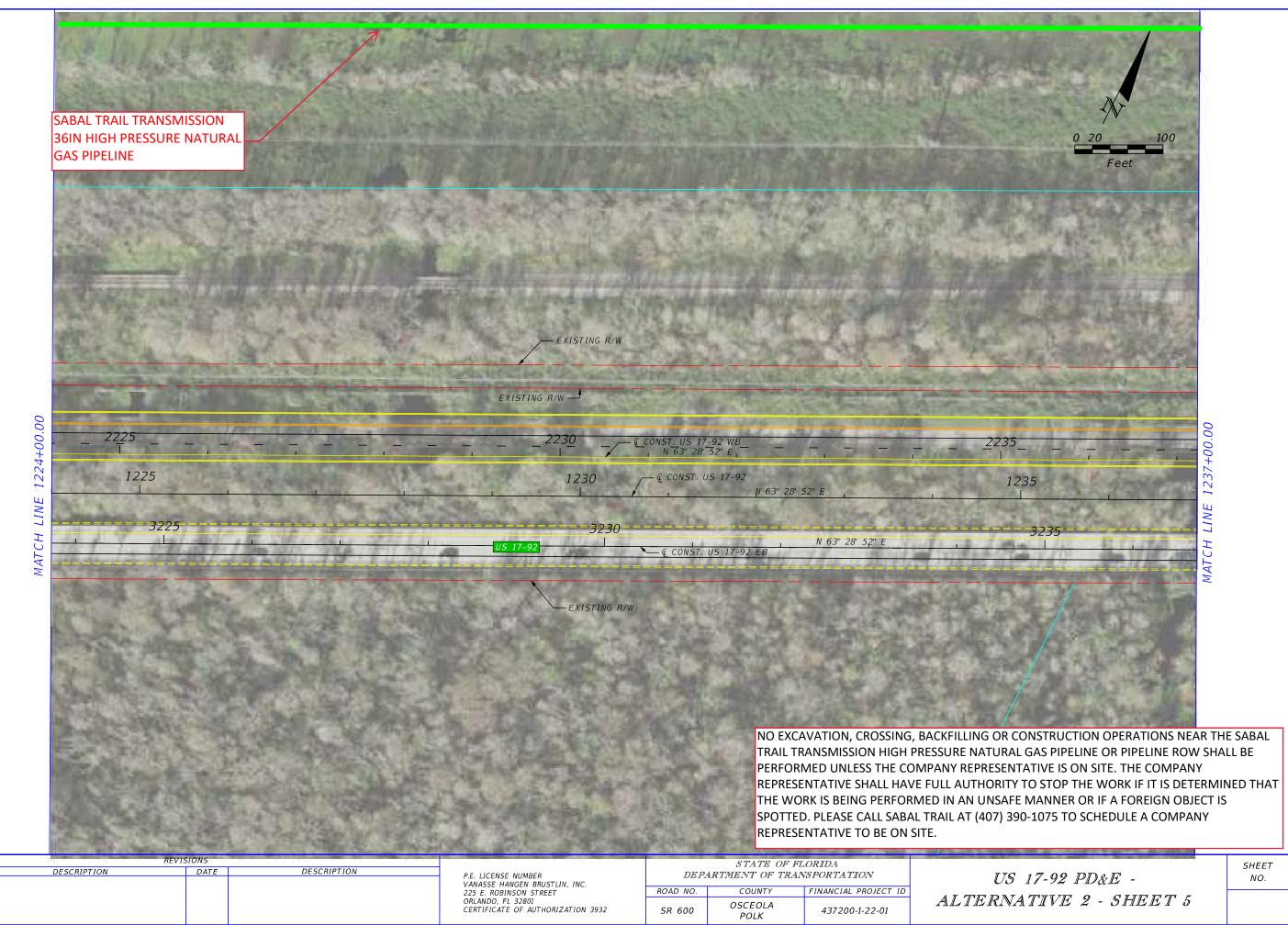
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| DATE      | DESCRIPTION | DATE | DESCRIPTION | P.E. LICENSE NUMBER<br>VANASSE HANGEN BRUSTLIN, INC.   | DEP        | ARTMENT OF TRA  |                      |       |
|           |             |      |             | 225 E. ROBINSON STREET                                 | ROAD NO.   | COUNTY          | FINANCIAL PROJECT ID | AT 70 |
|           |             |      |             | ORLANDO, FL 32801<br>CERTIFICATE OF AUTHORIZATION 3932 | SR 600     | OSCEOLA<br>POLK | 437200-1-22-01       | ALT   |

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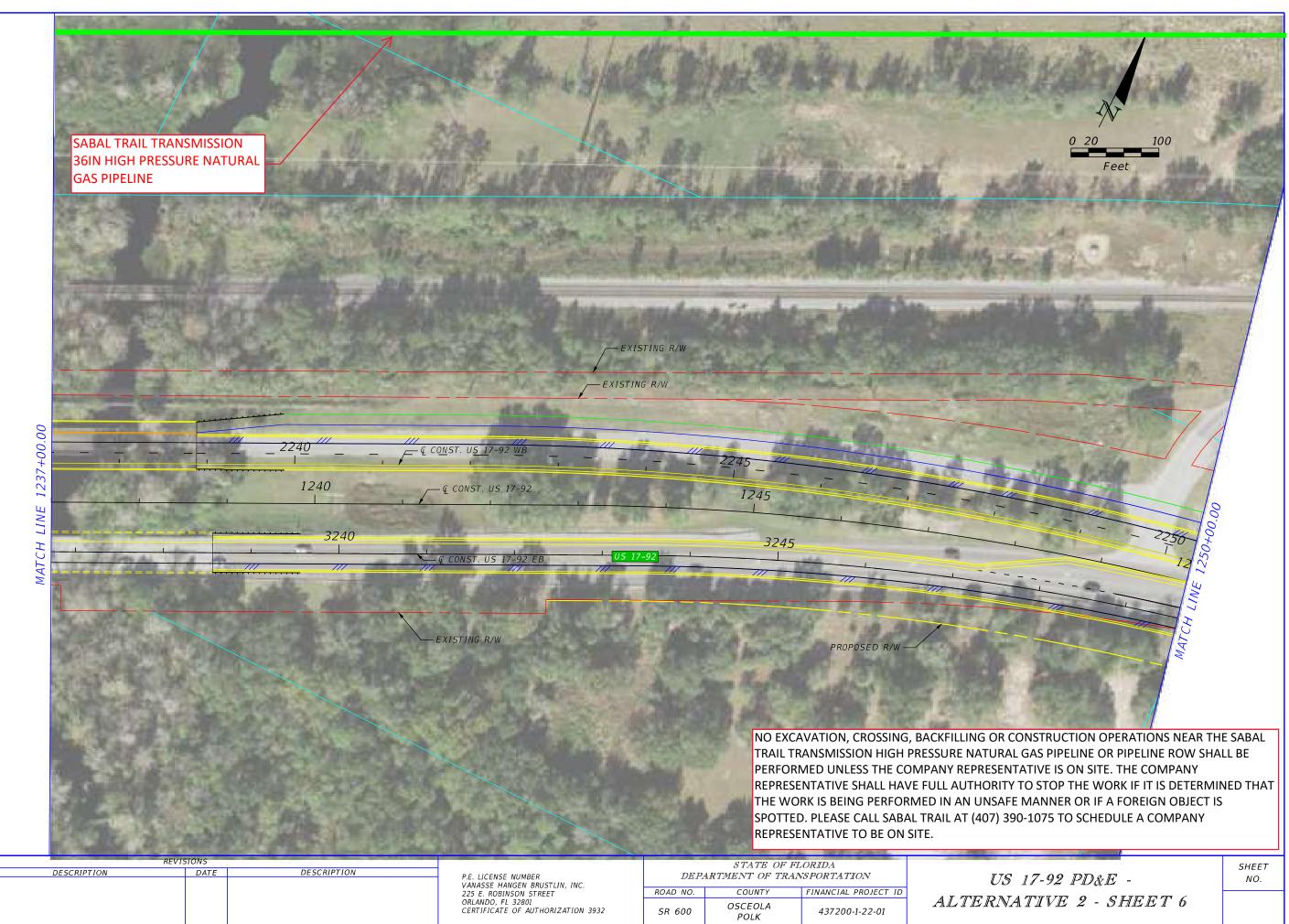
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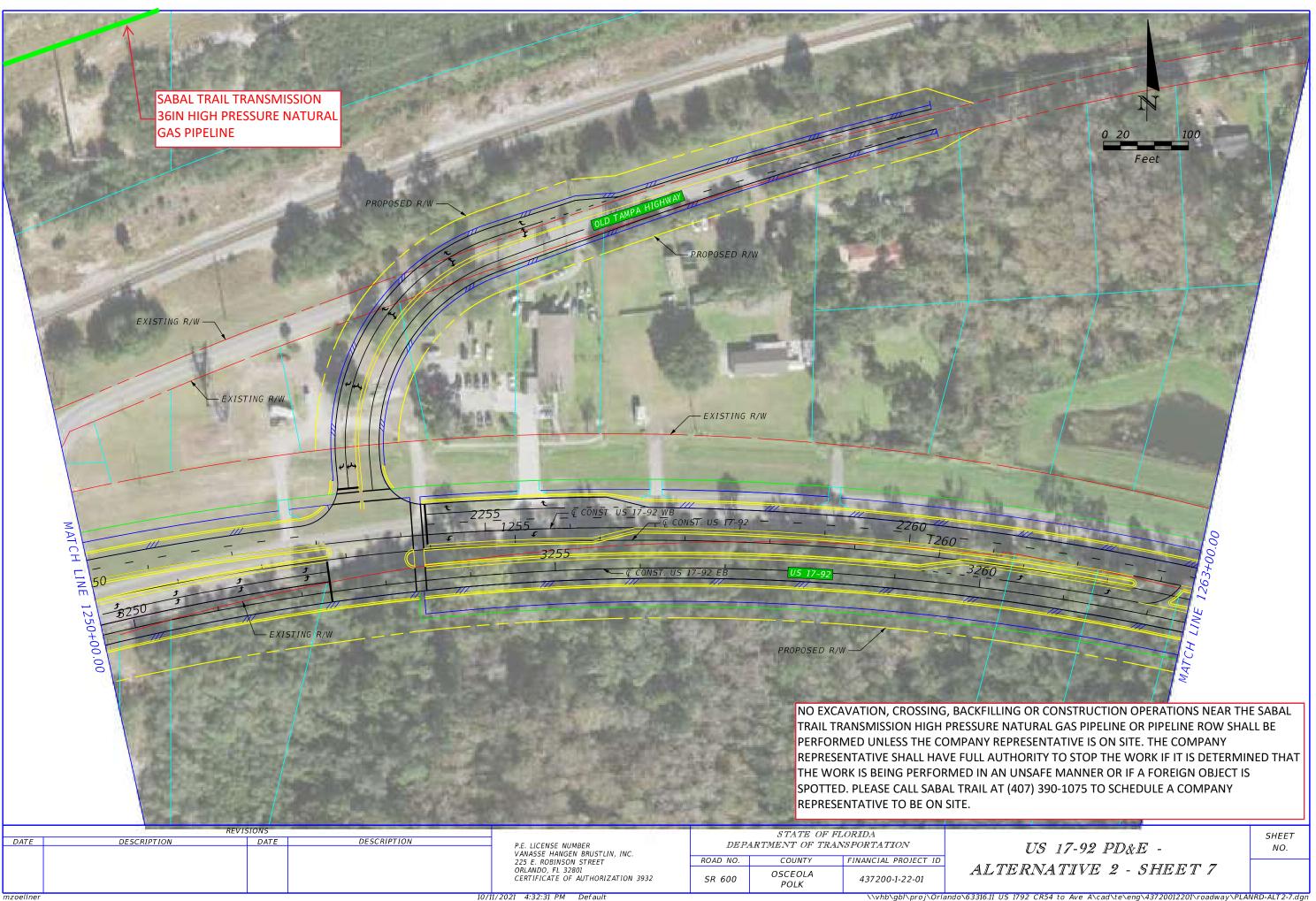


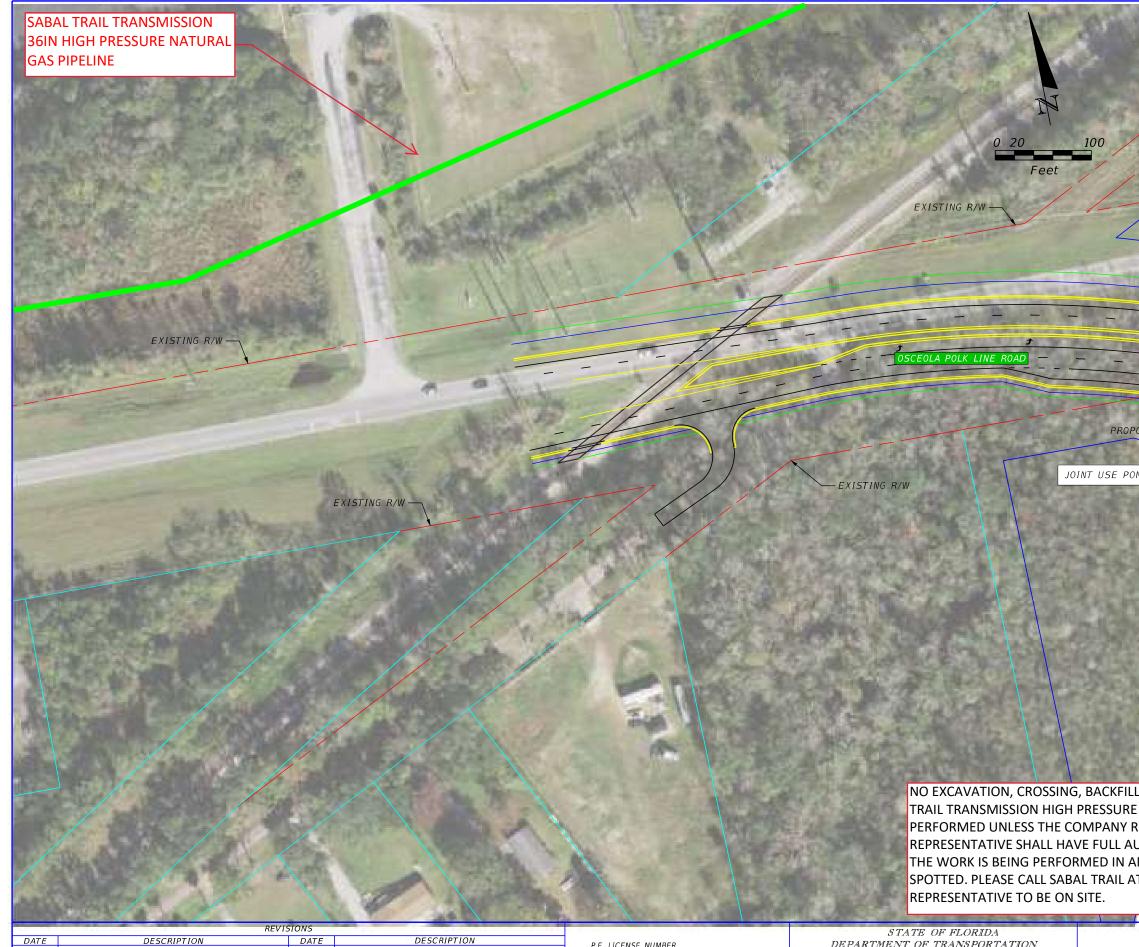


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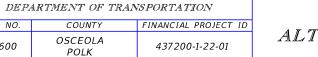
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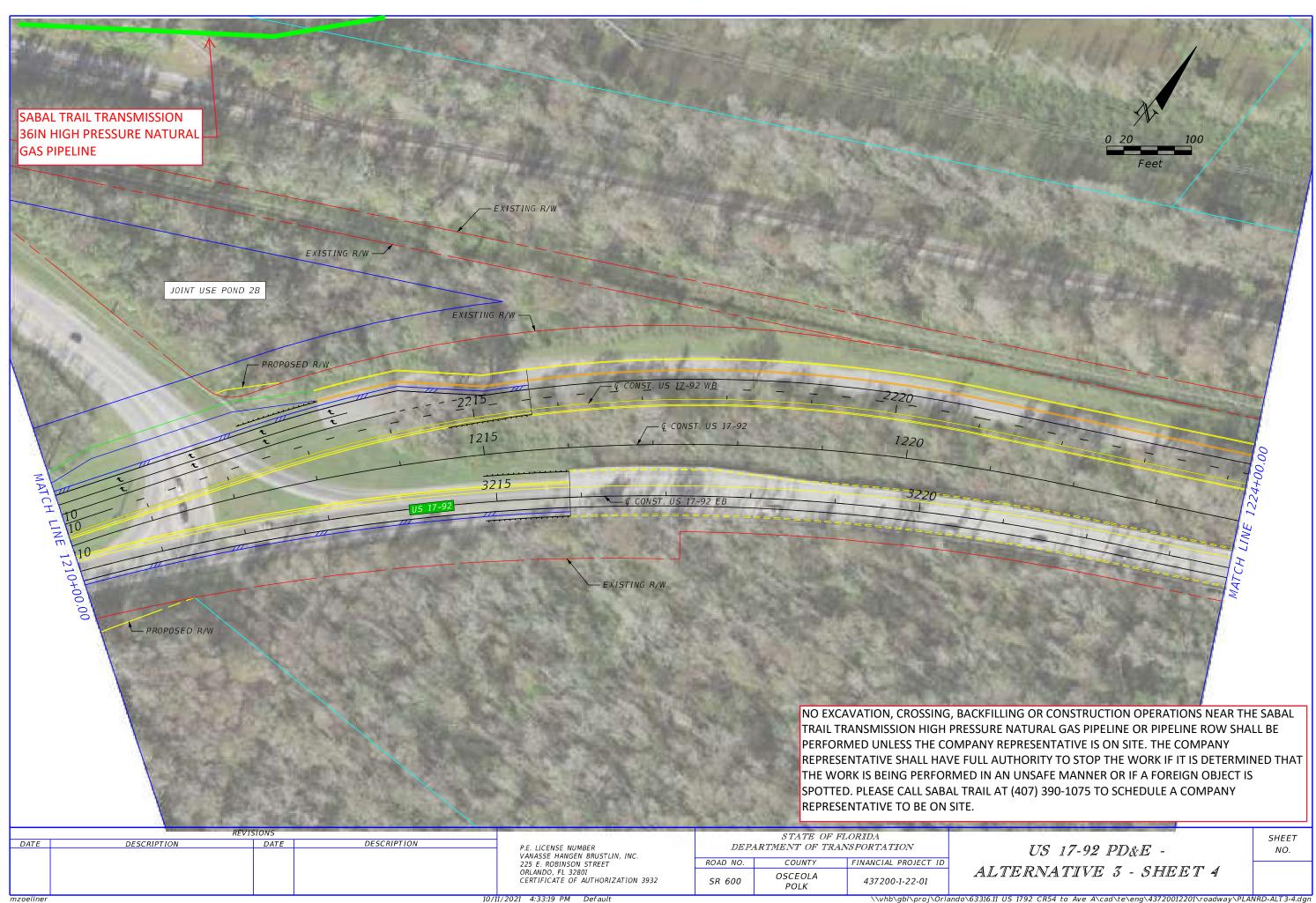
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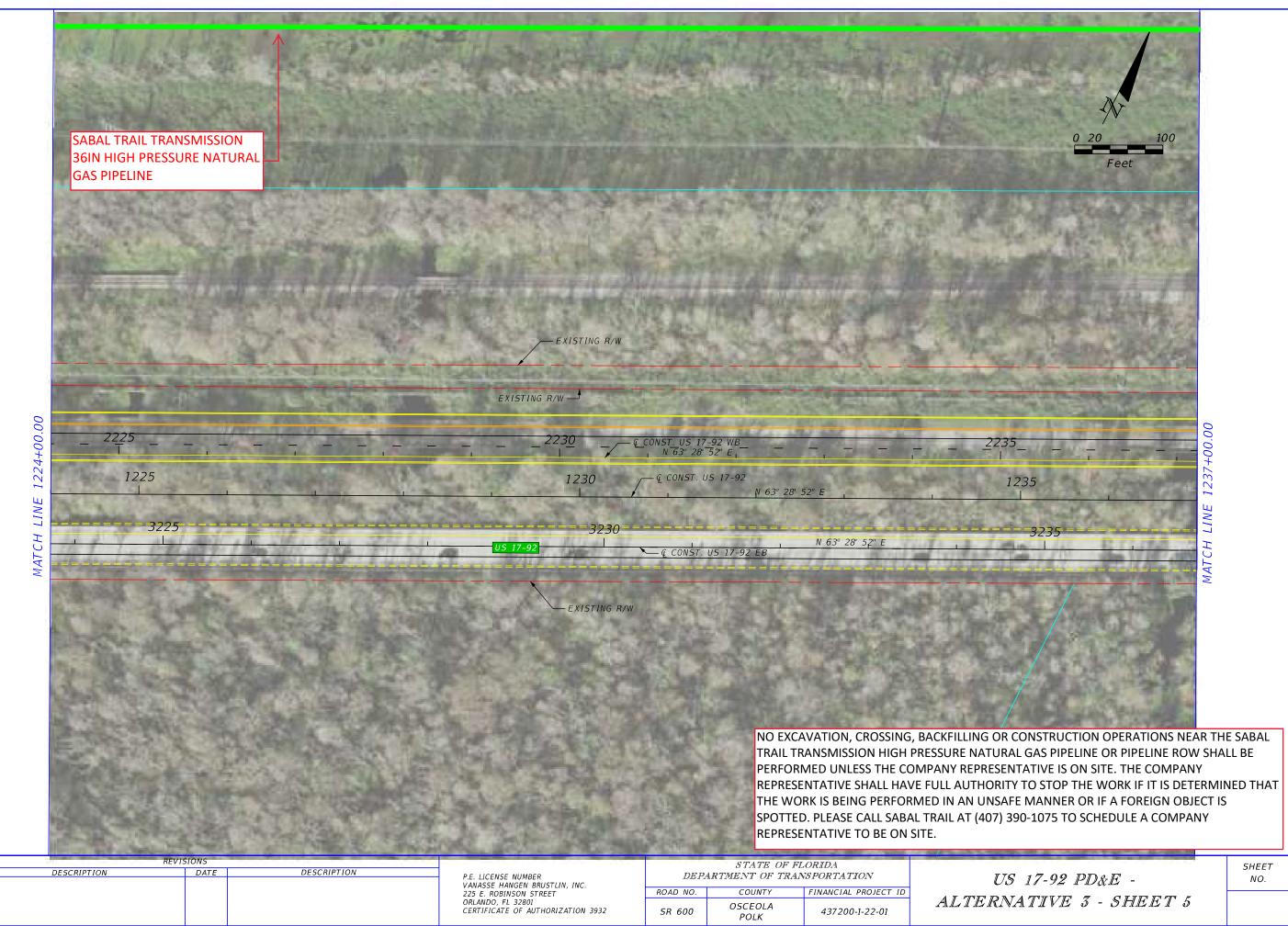
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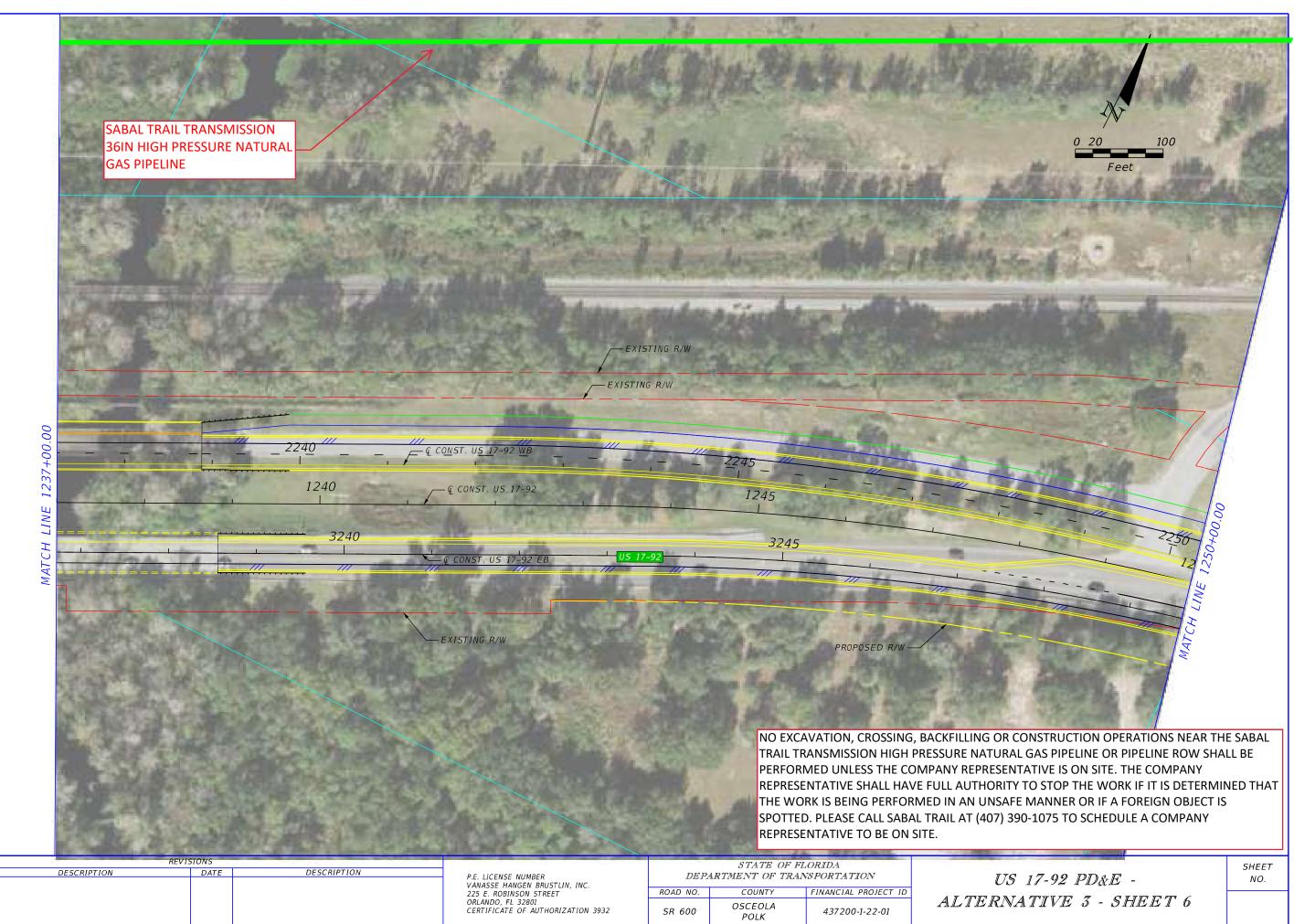
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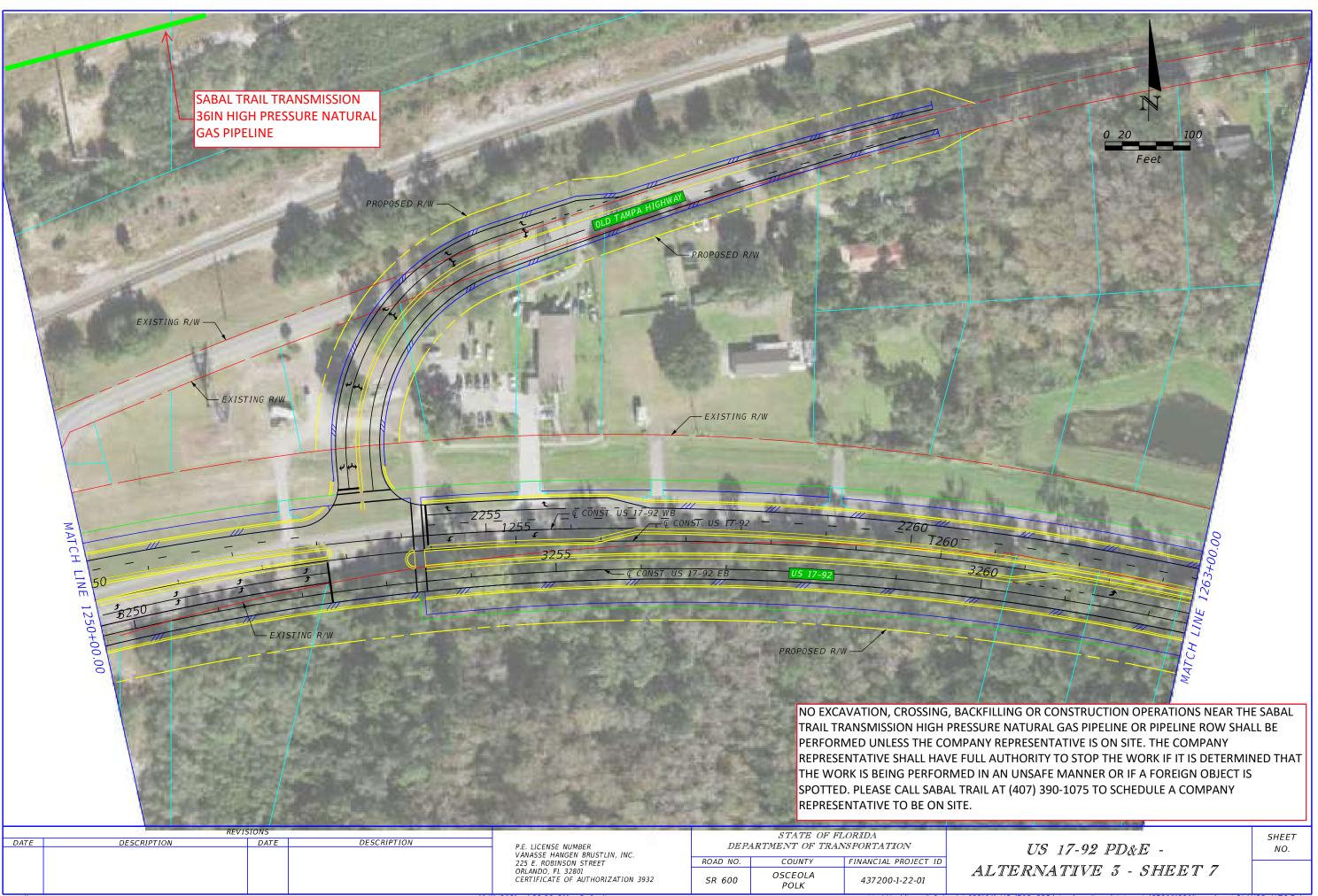




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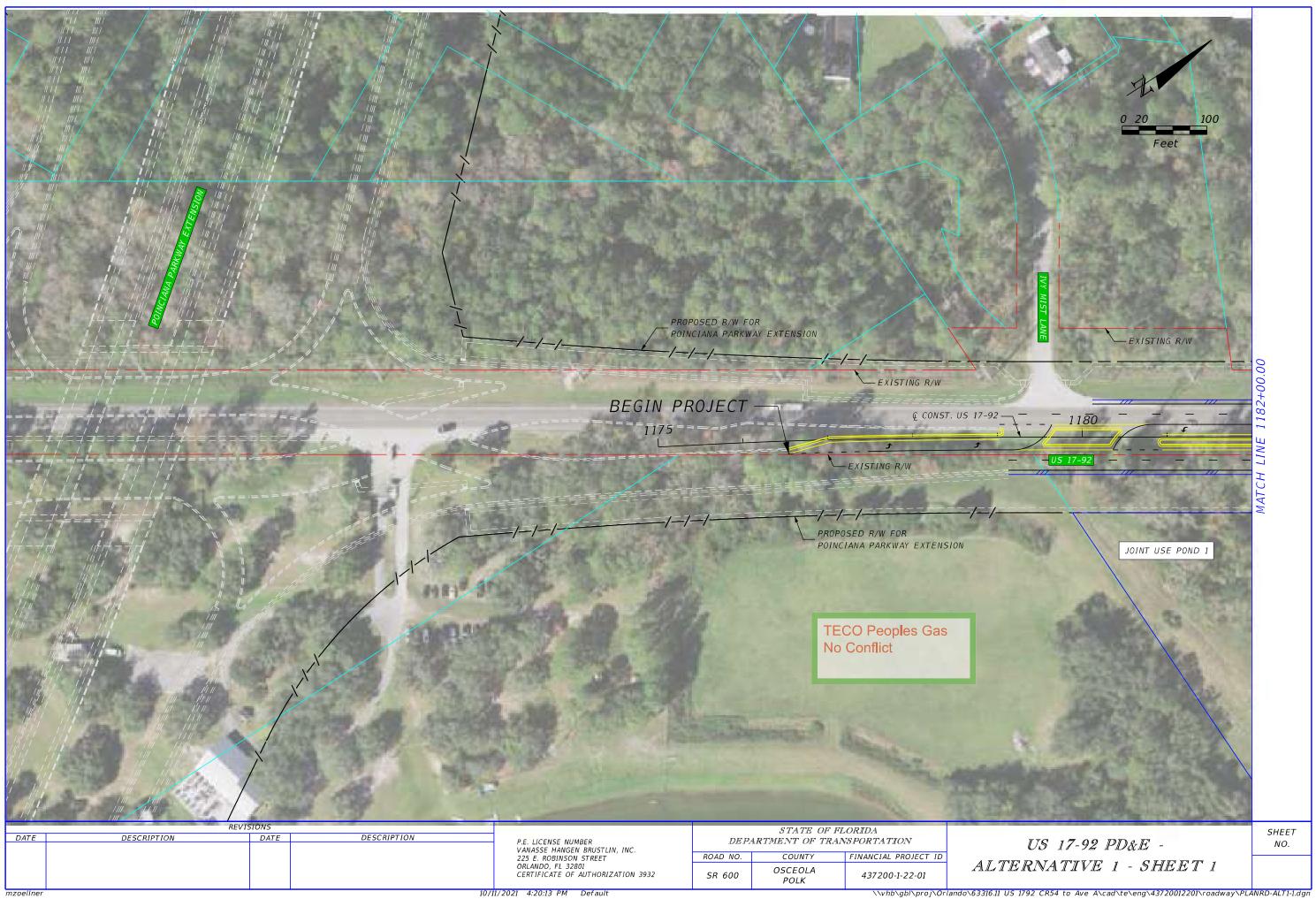


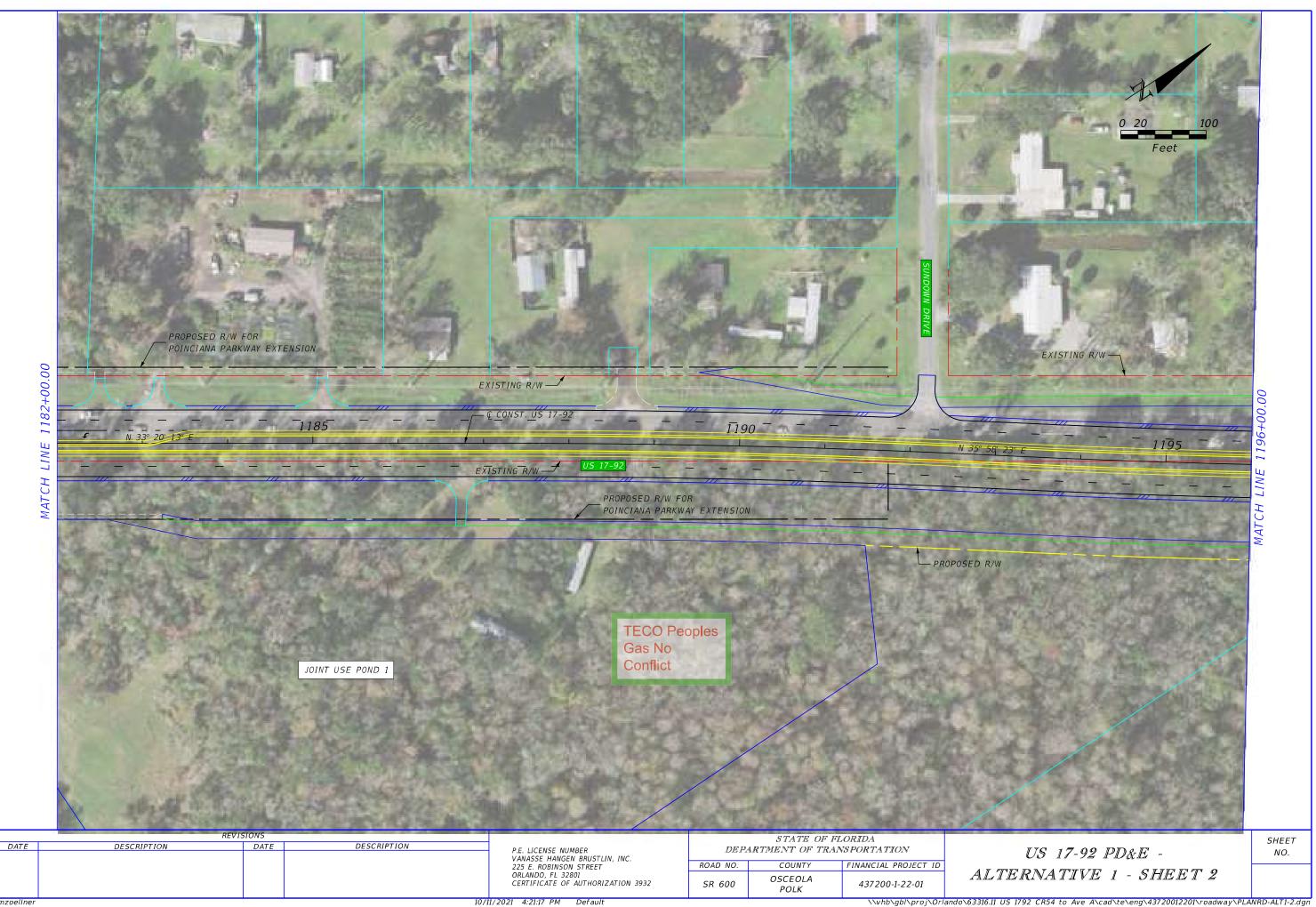
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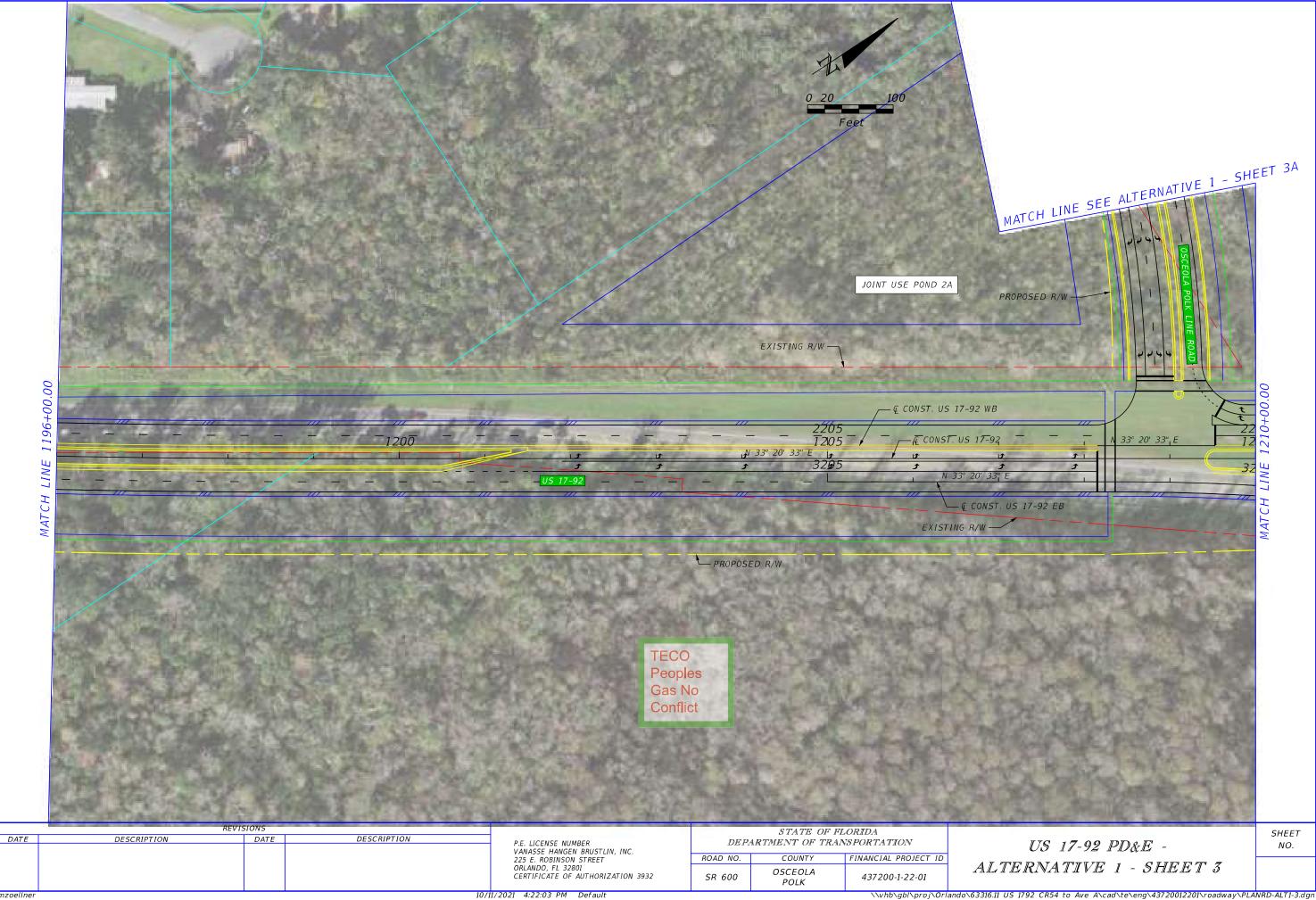
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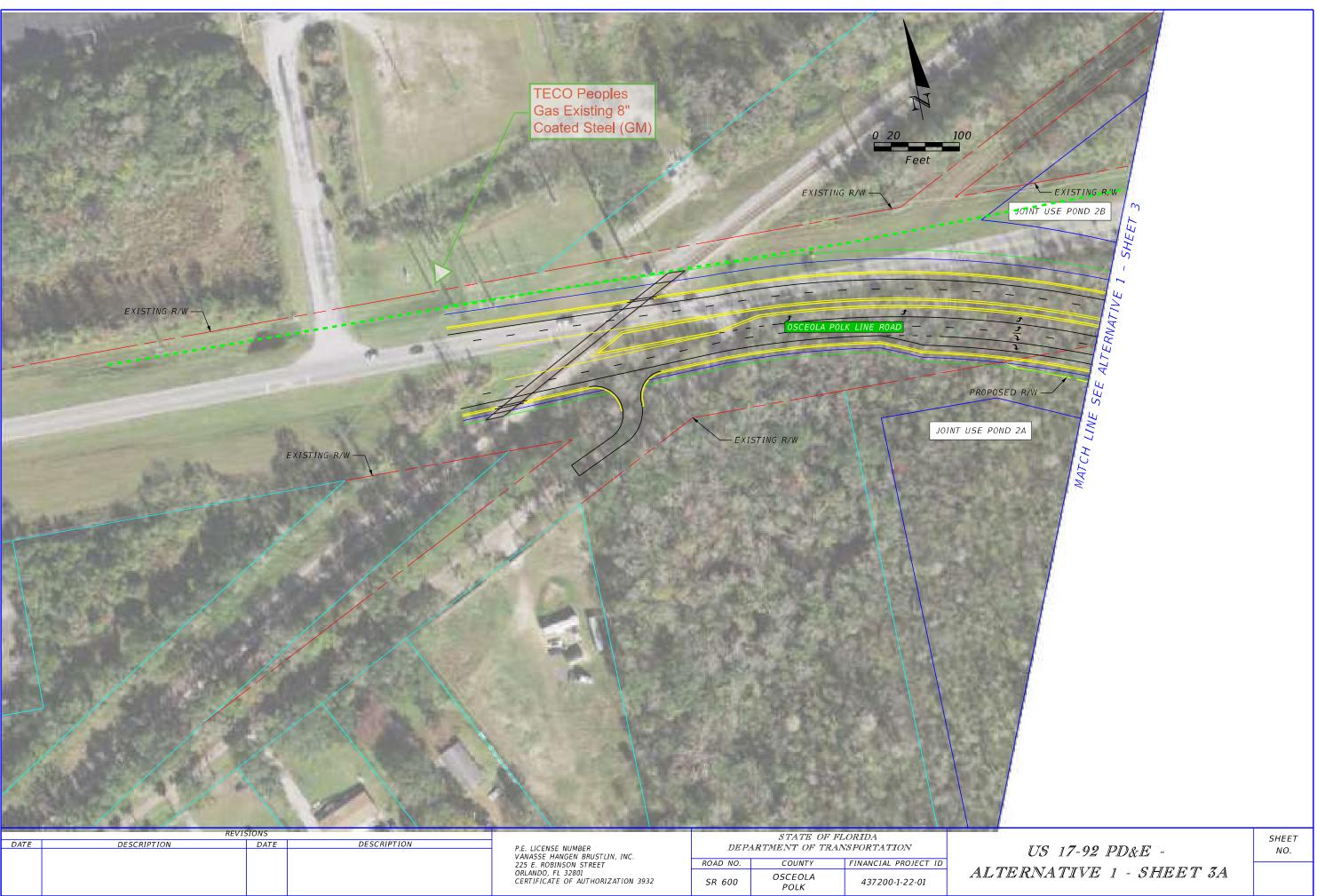
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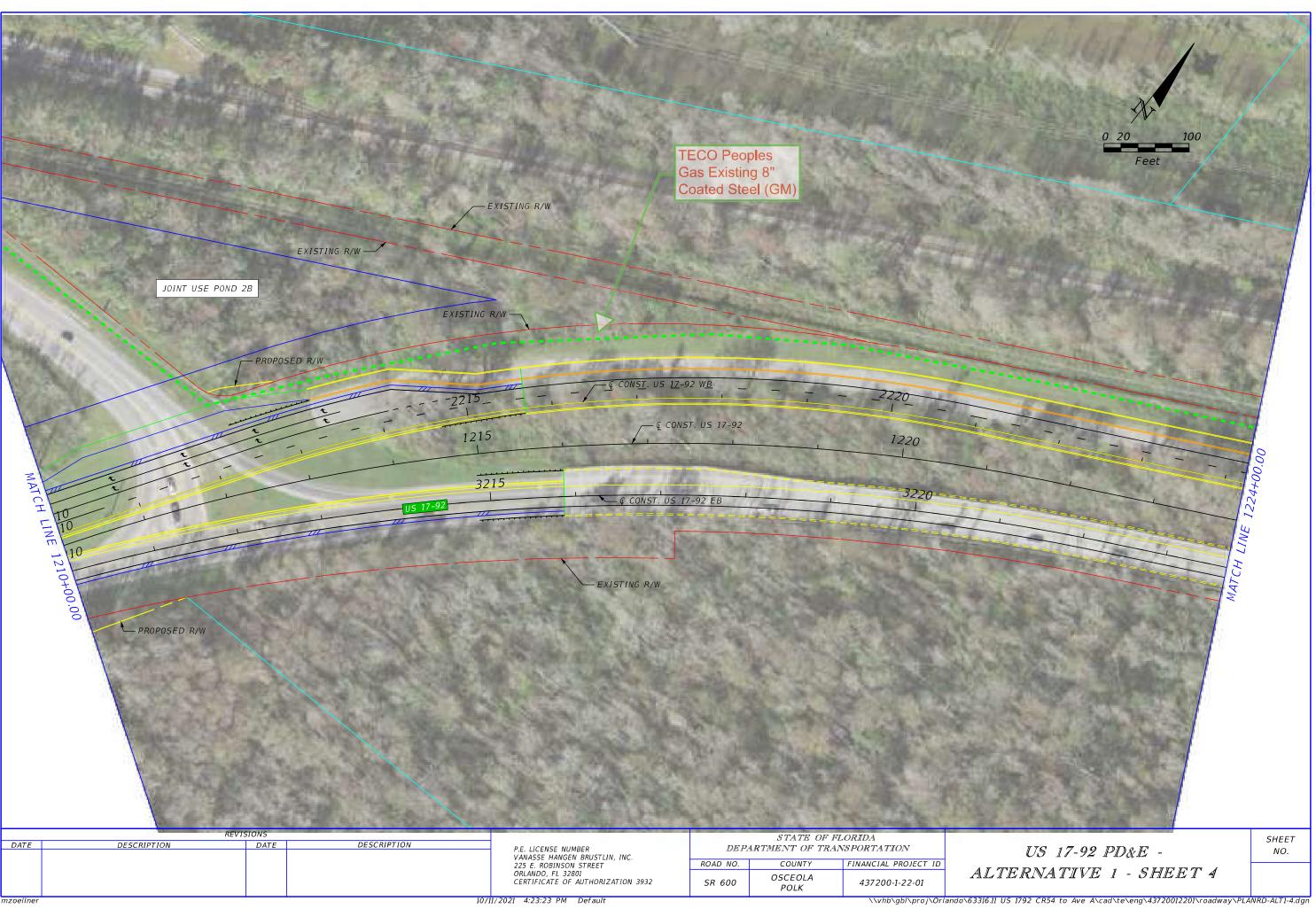


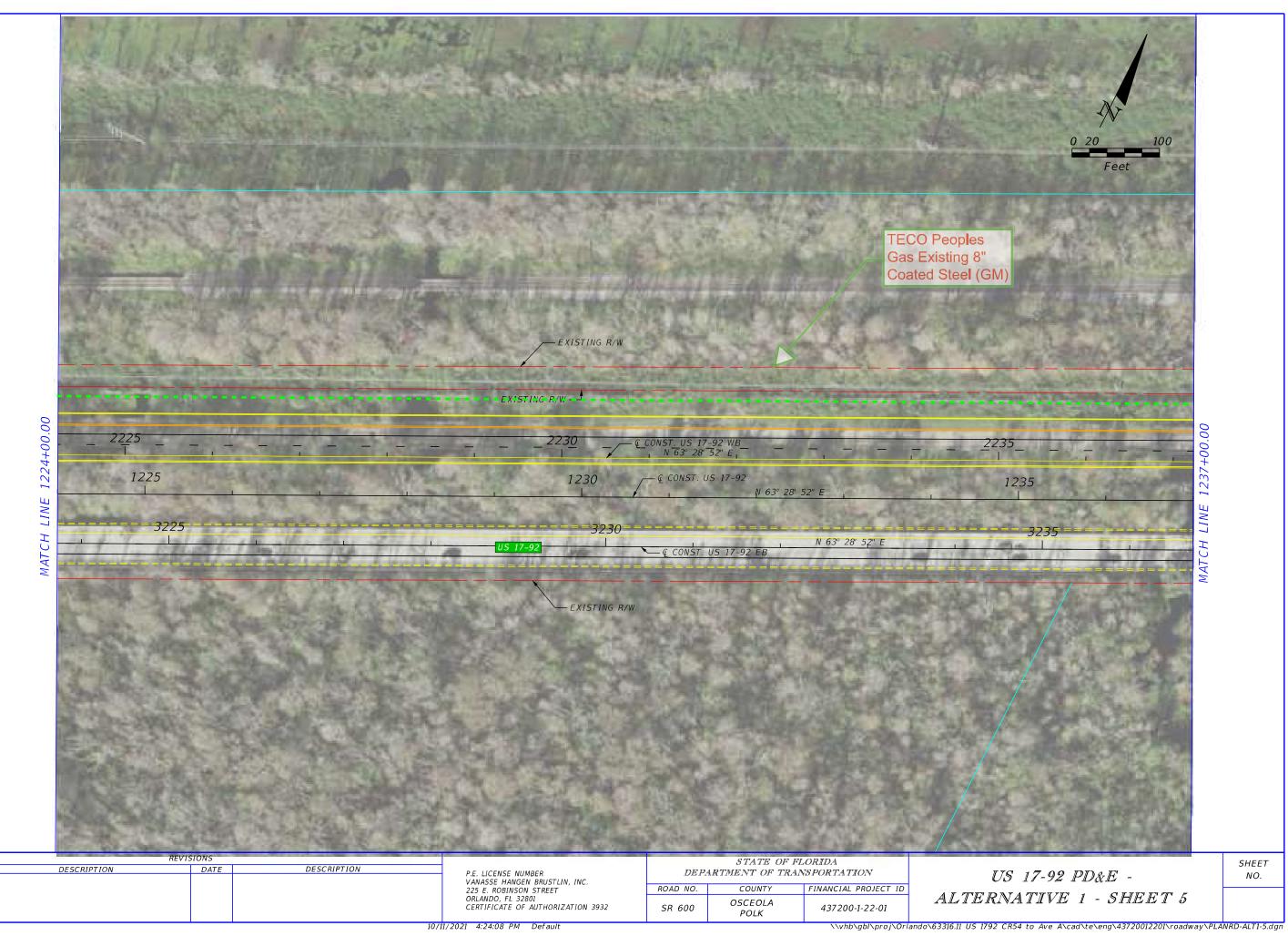
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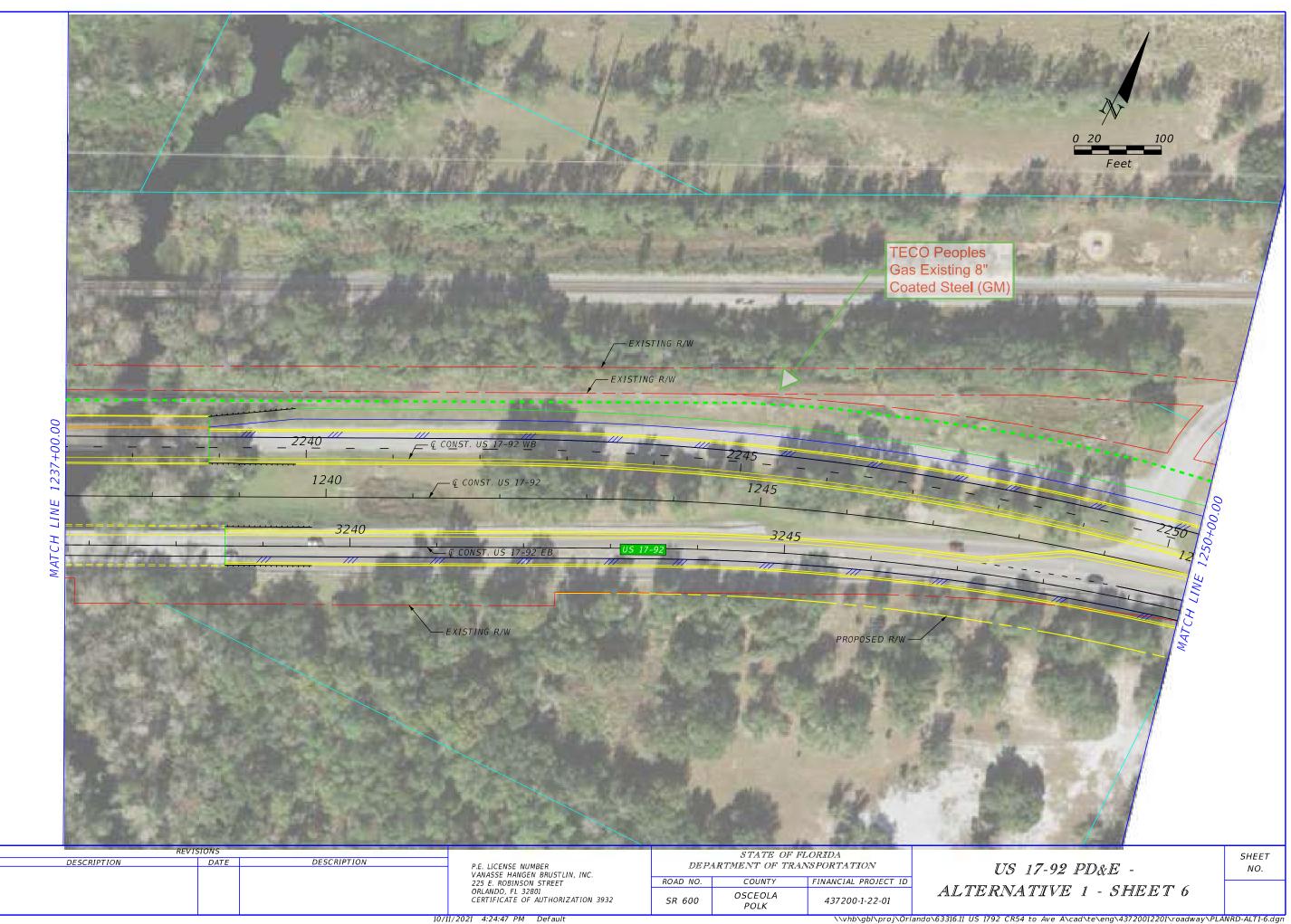


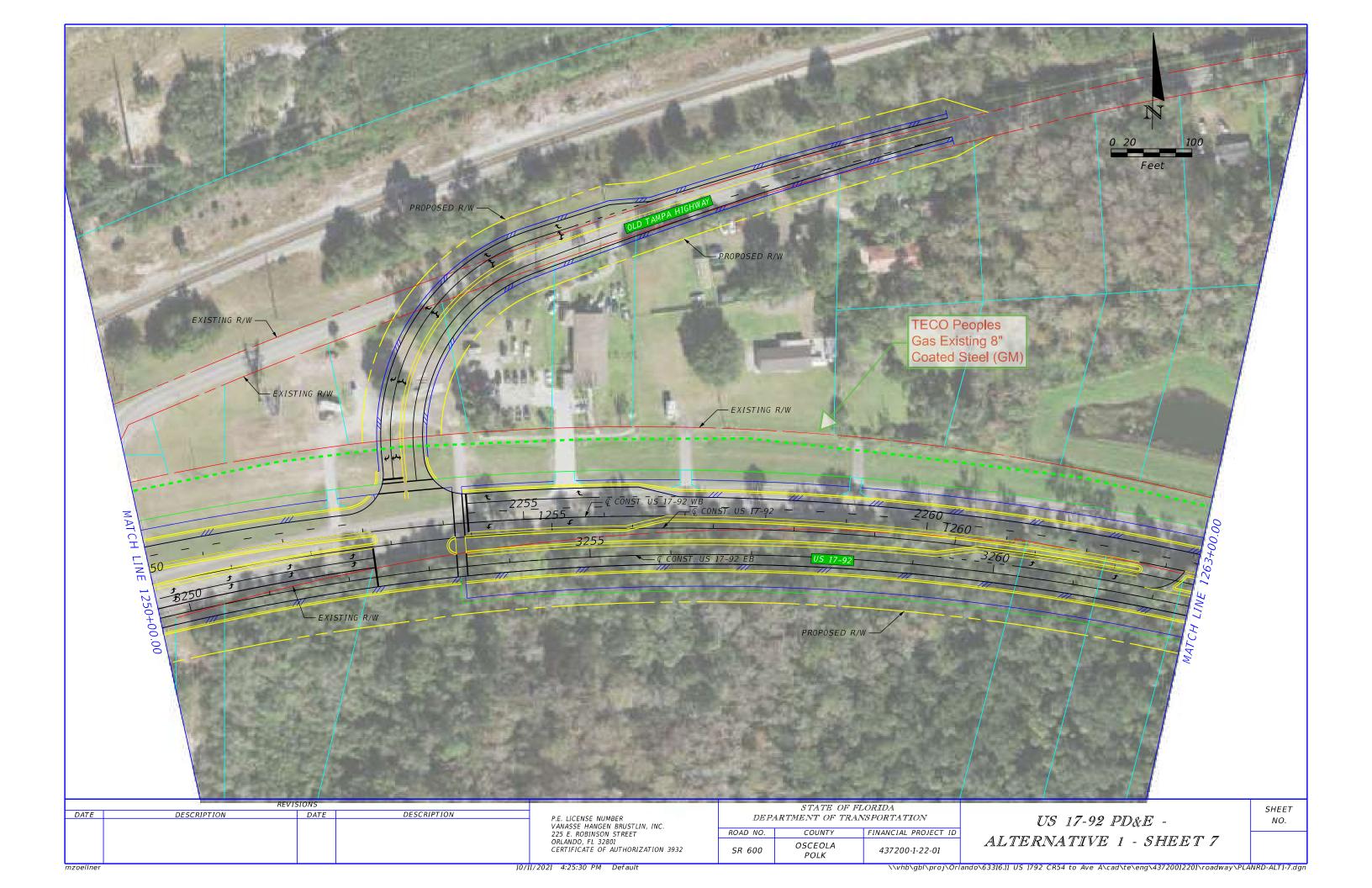


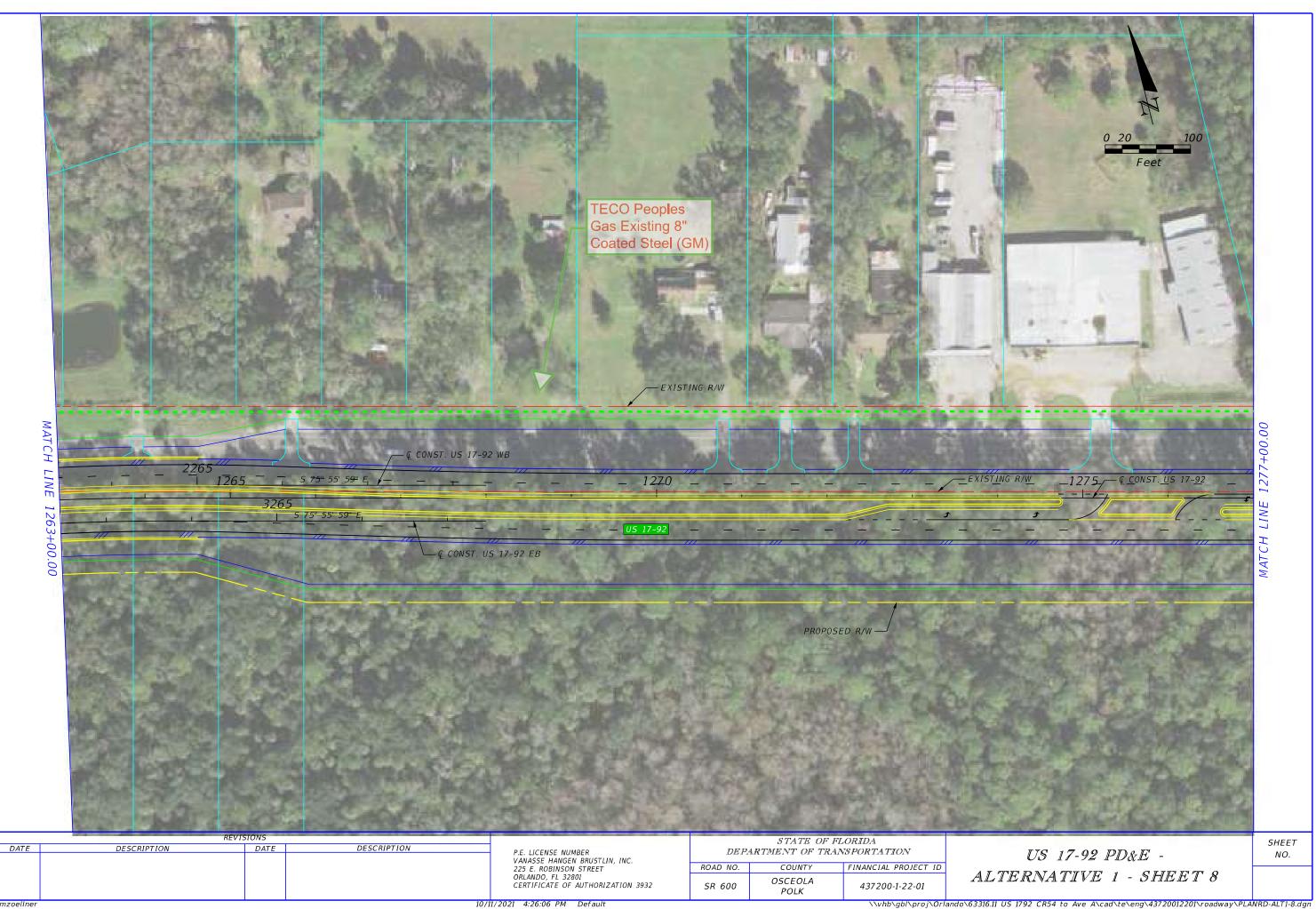
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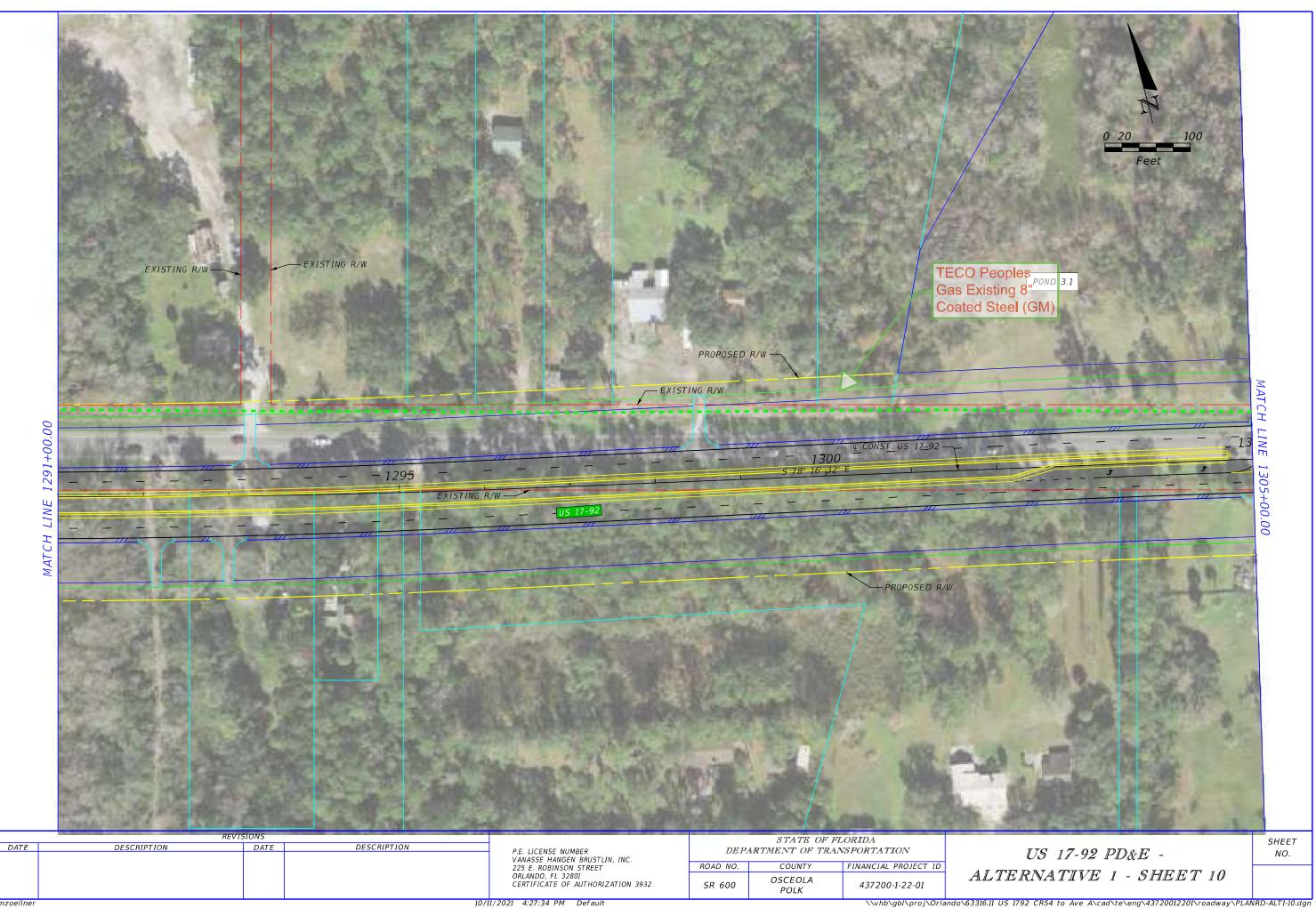




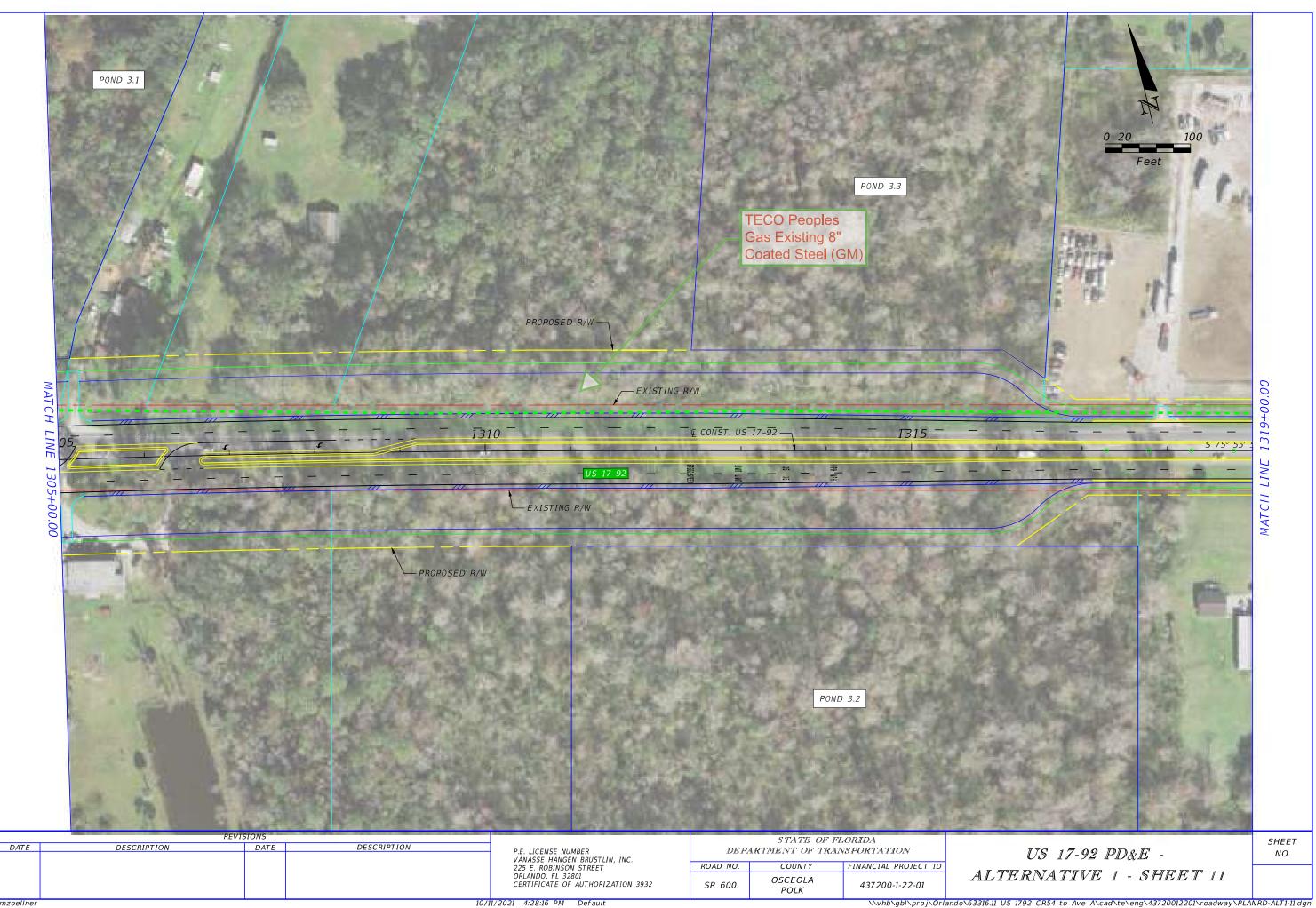




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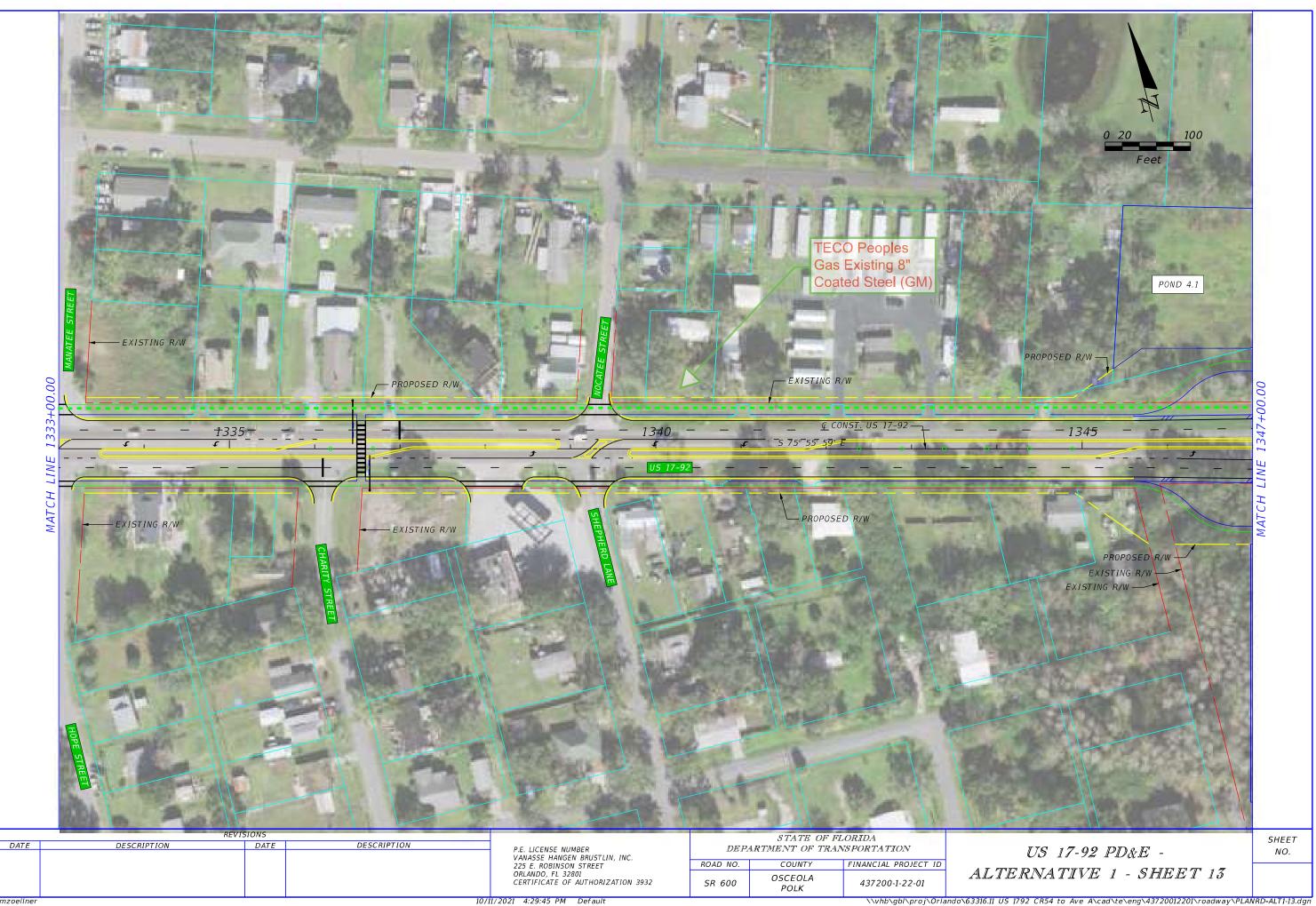
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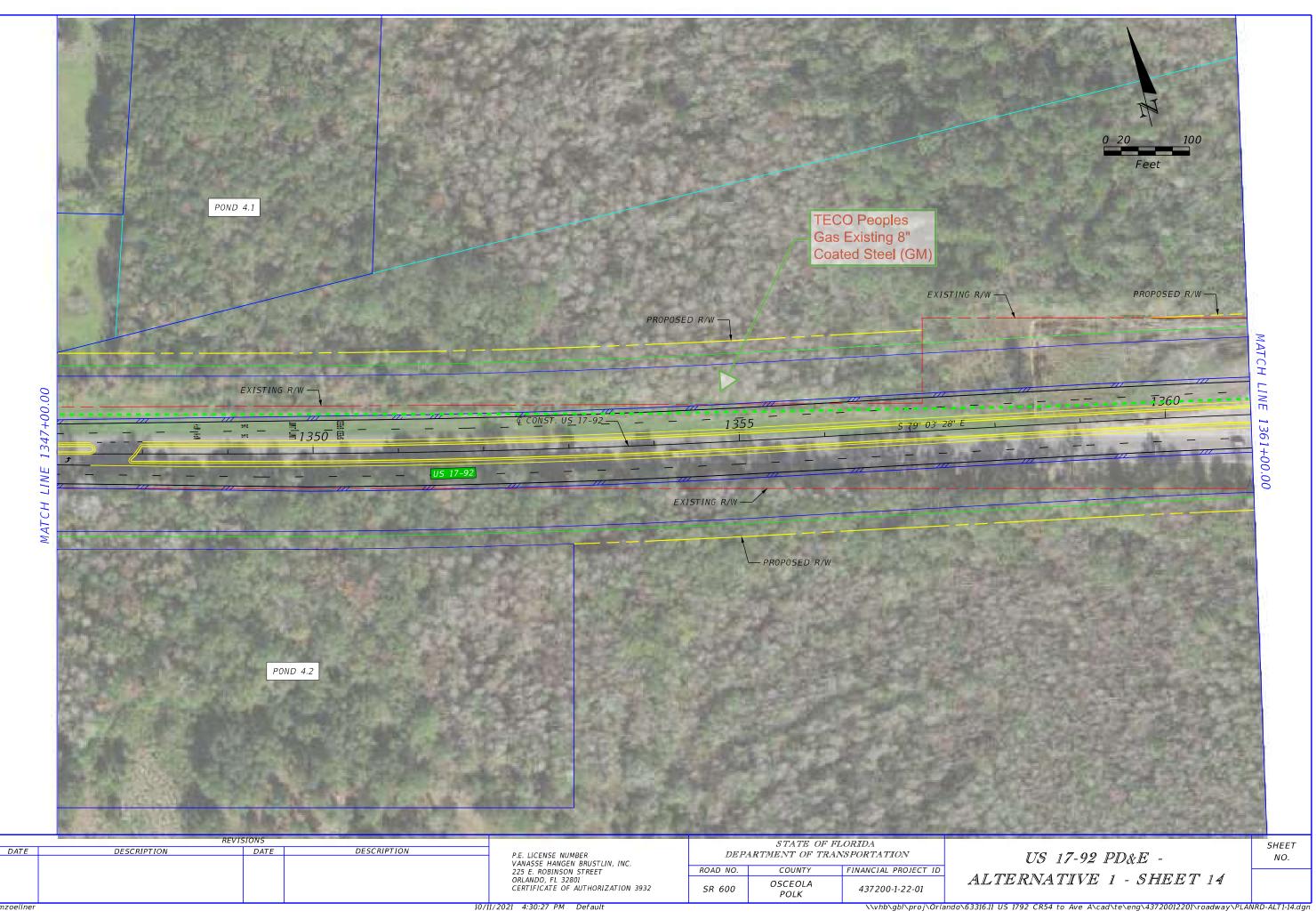


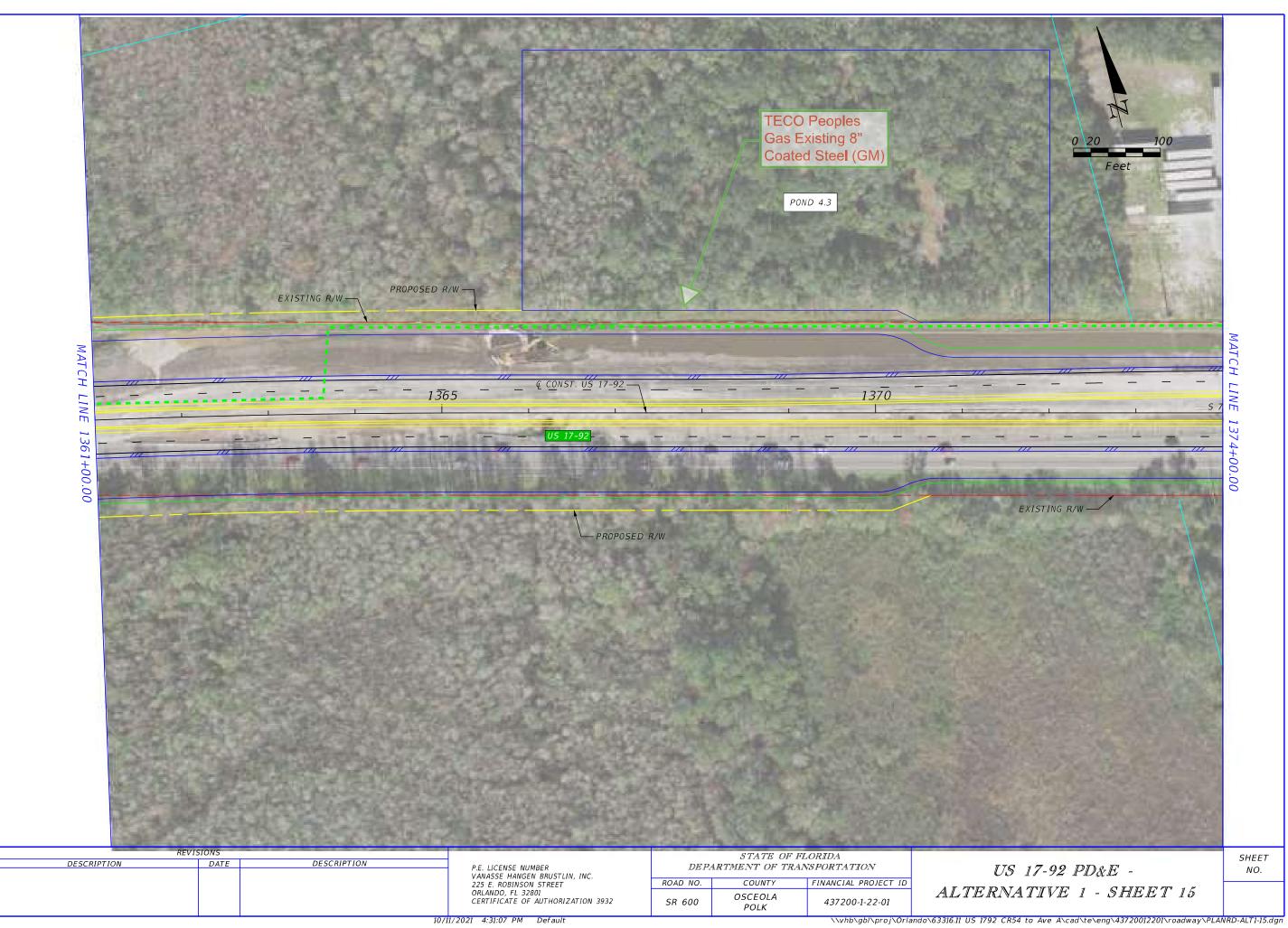


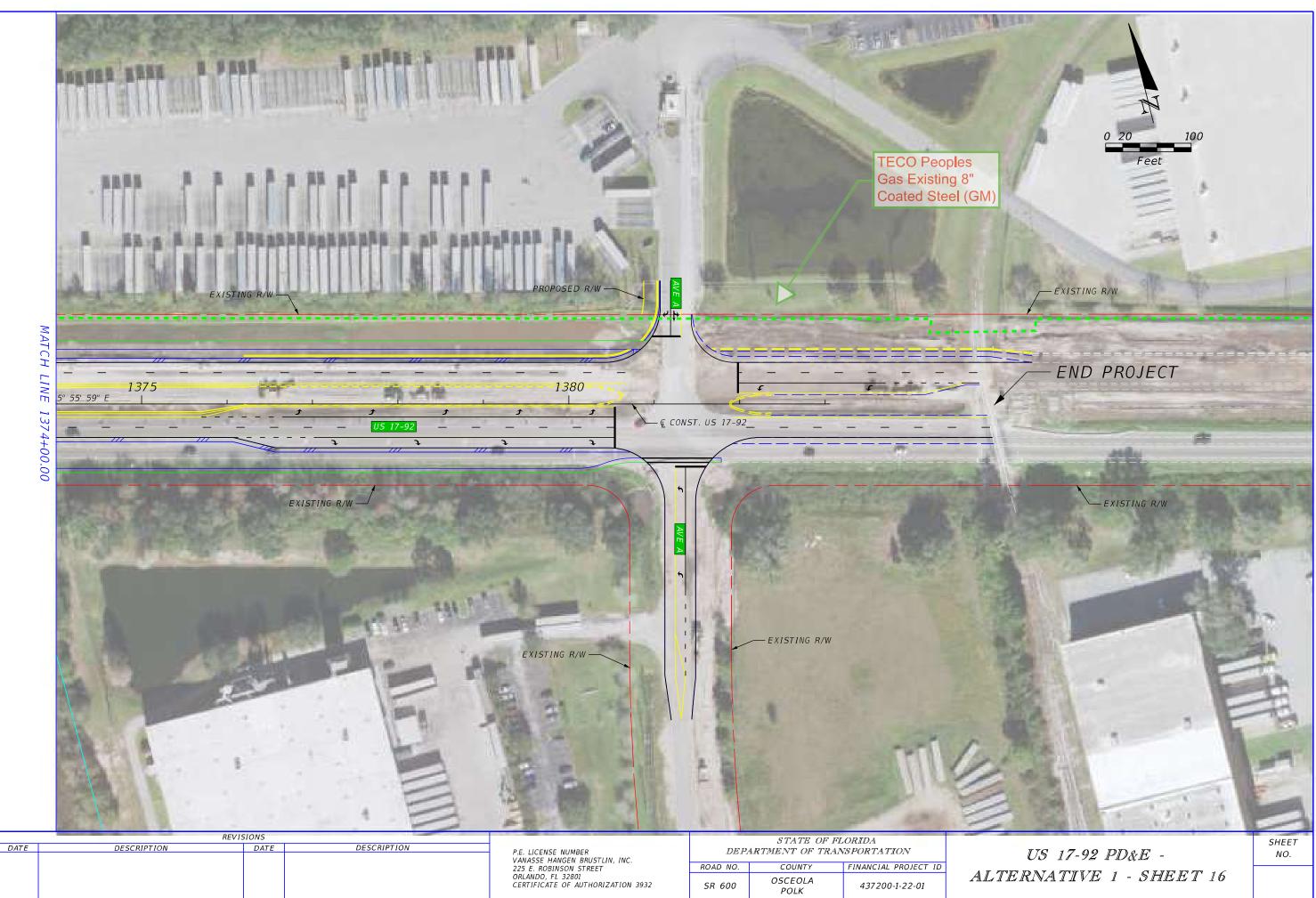
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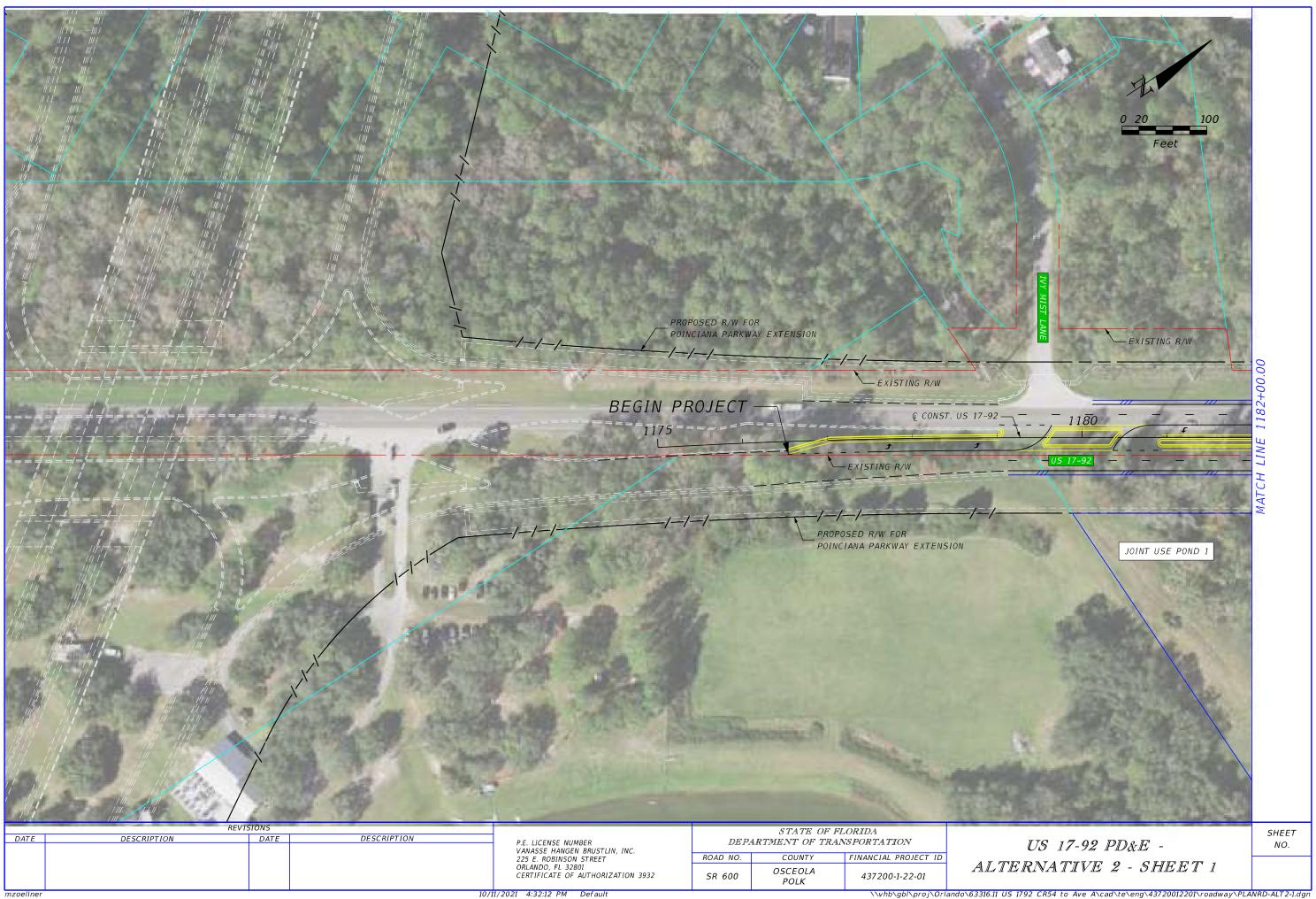


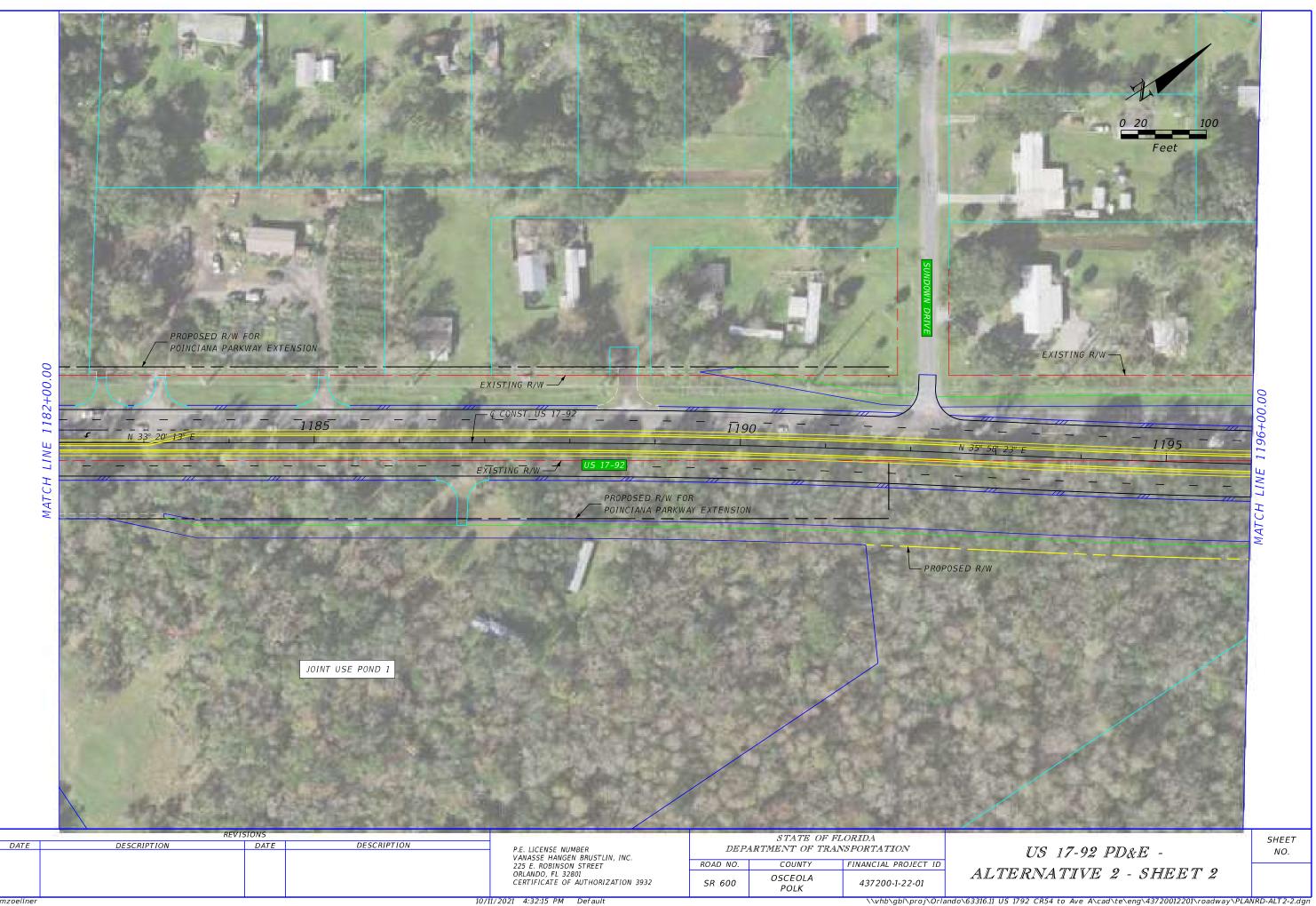


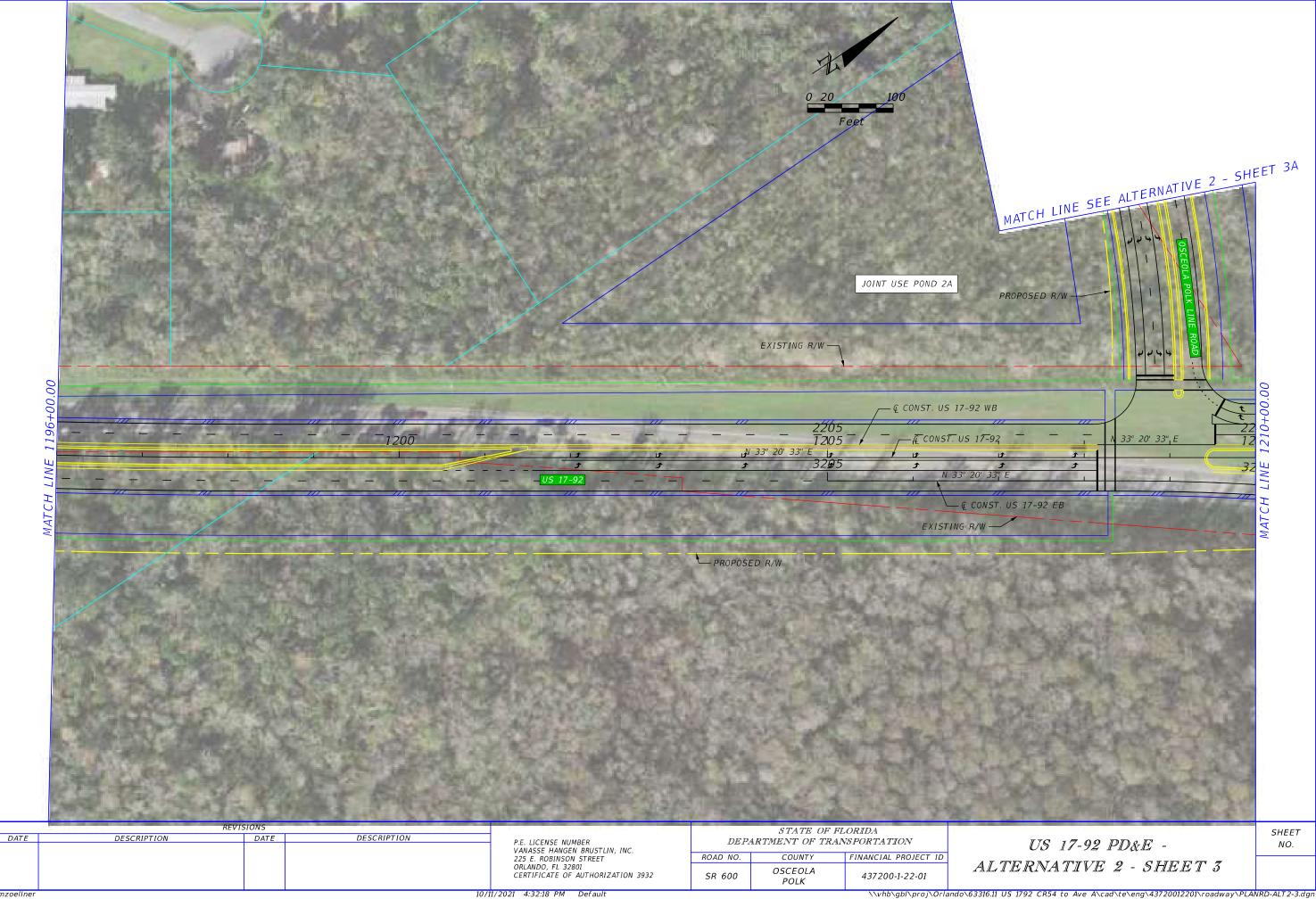


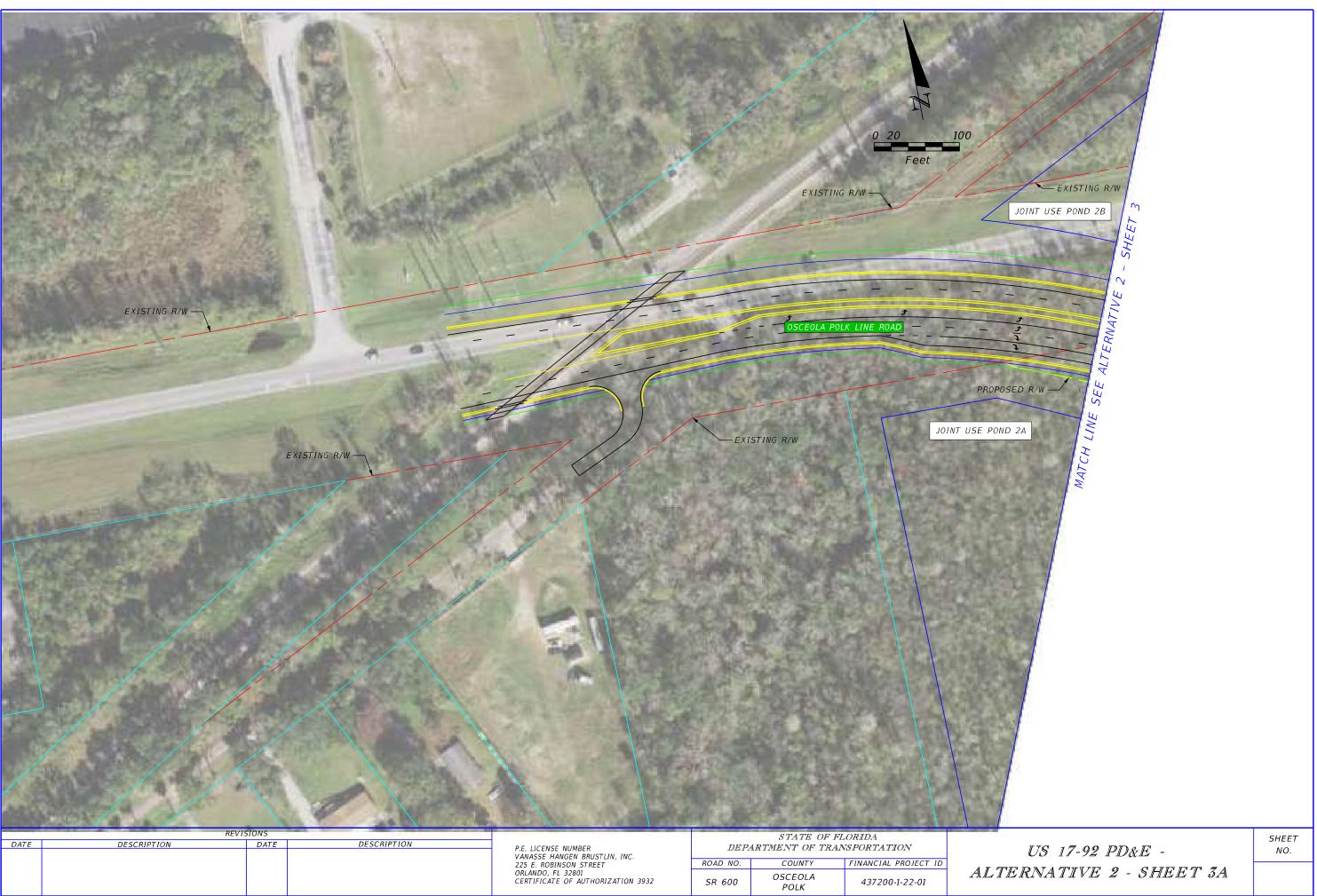


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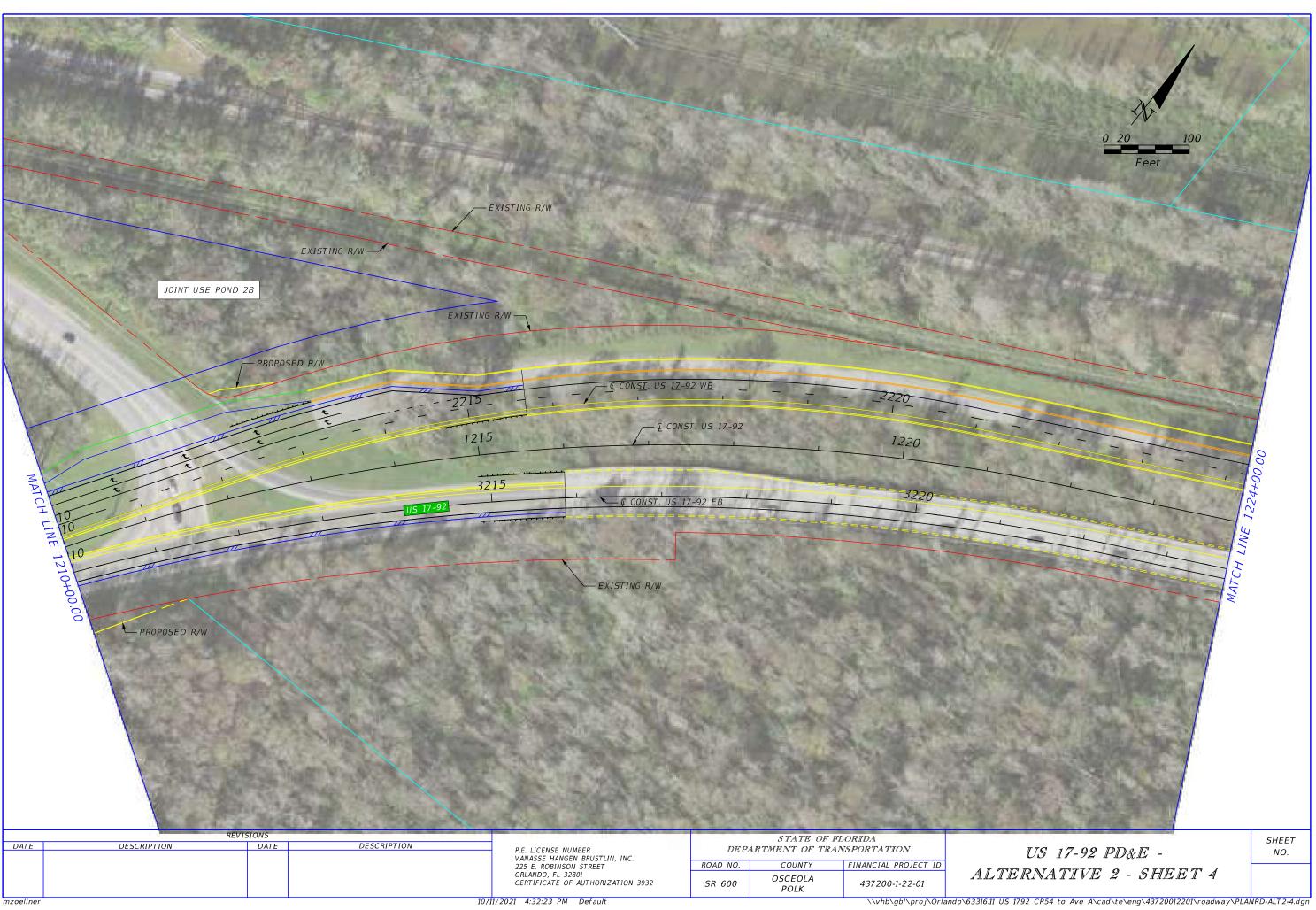


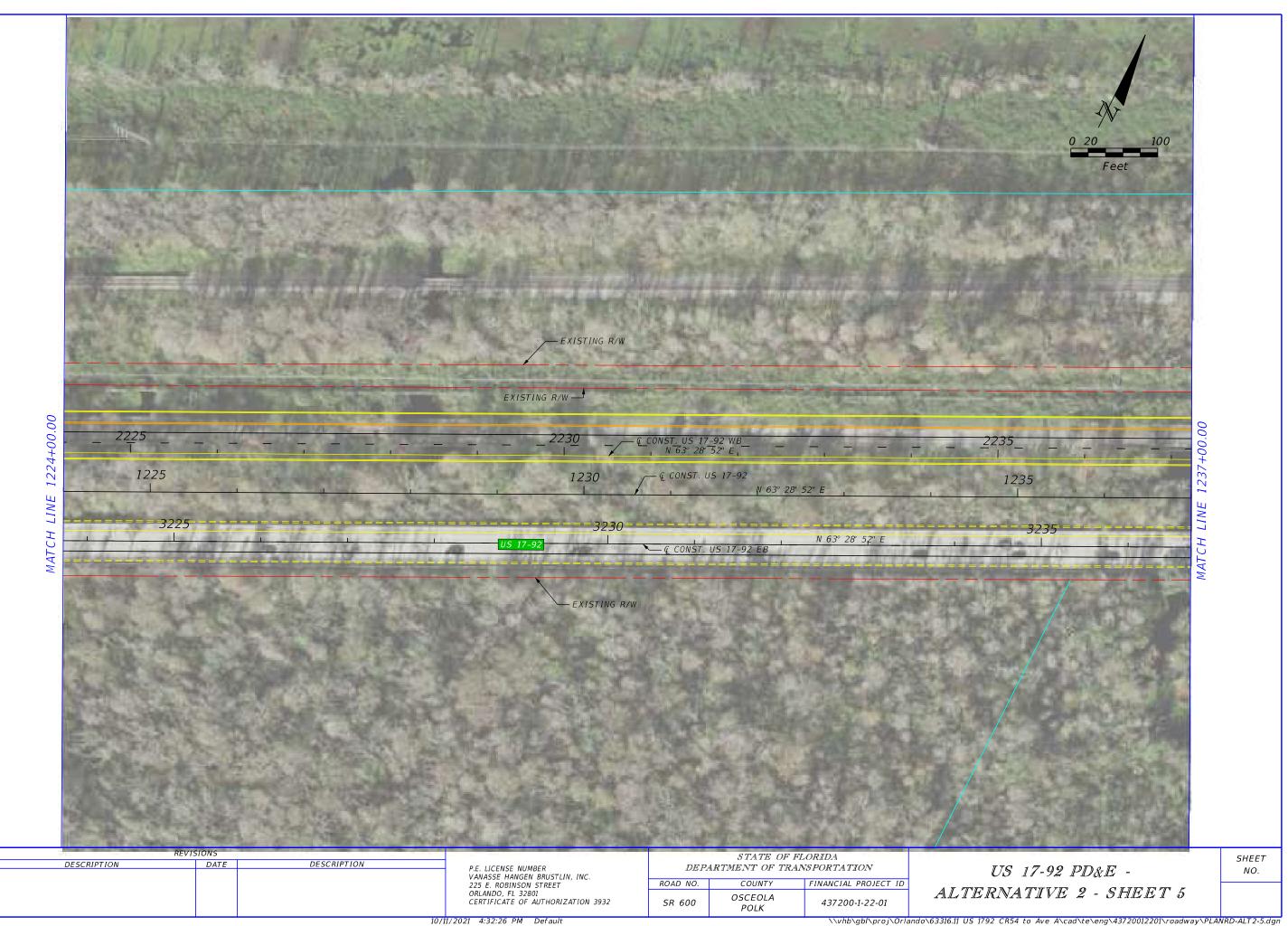


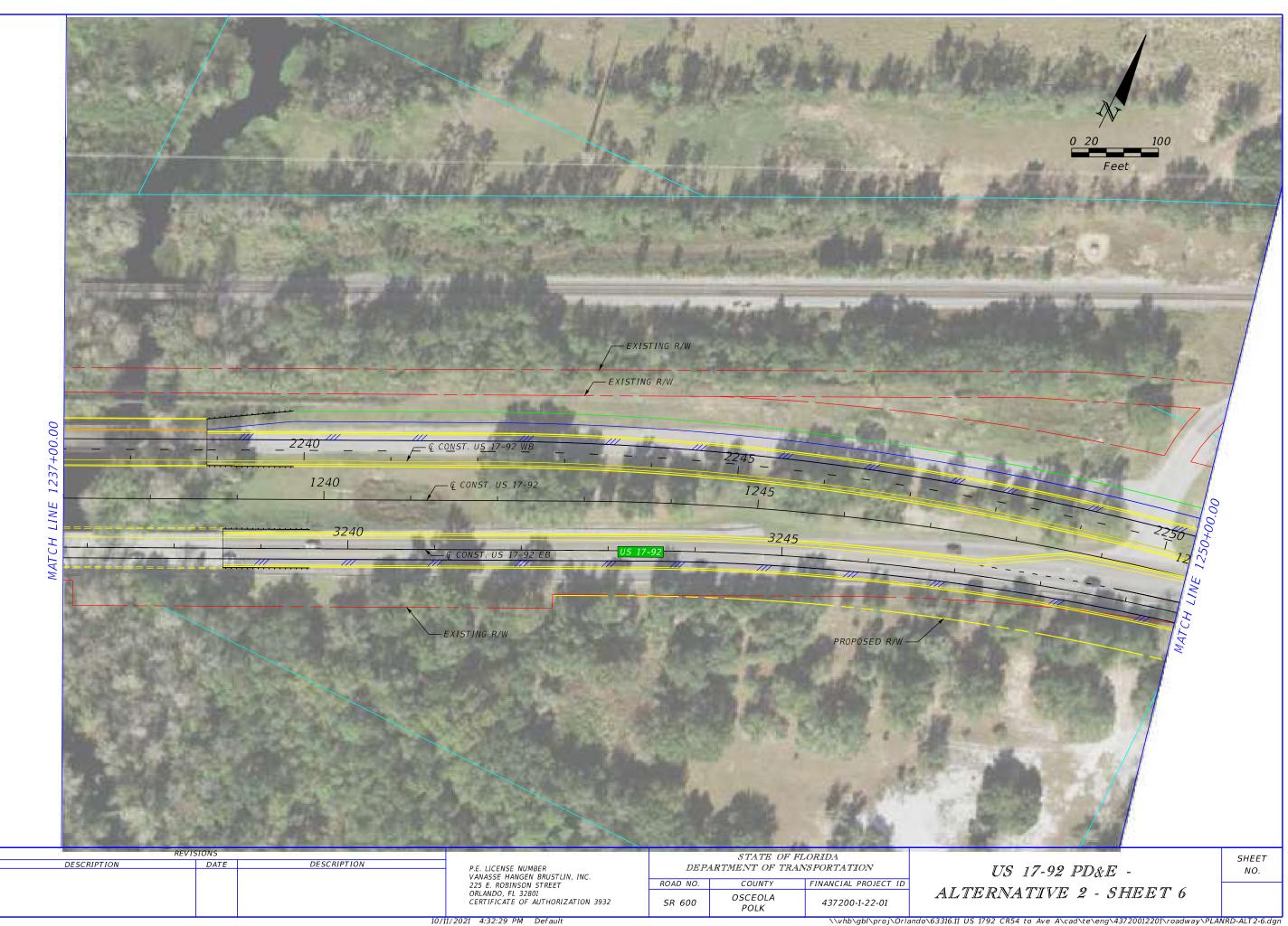


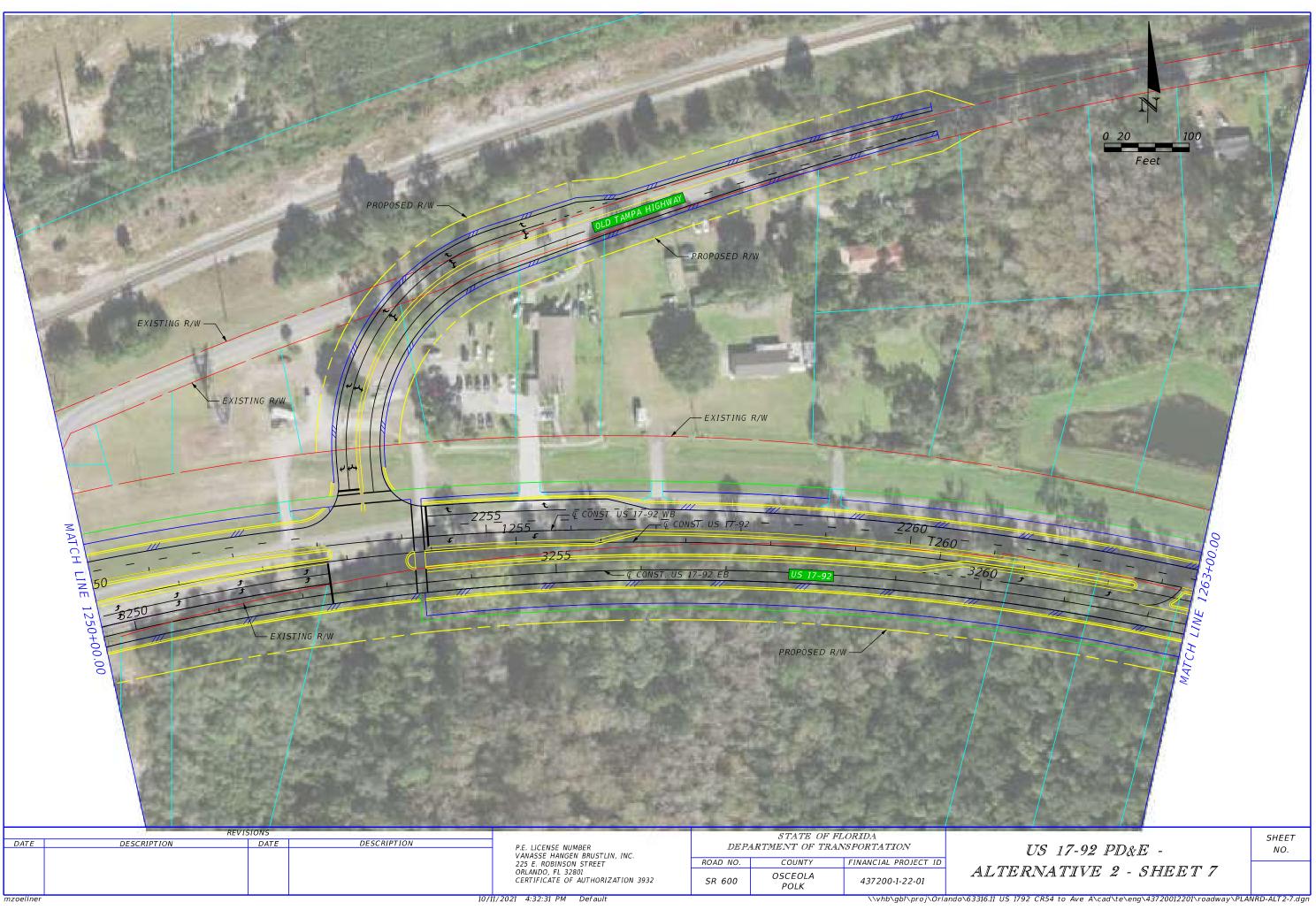


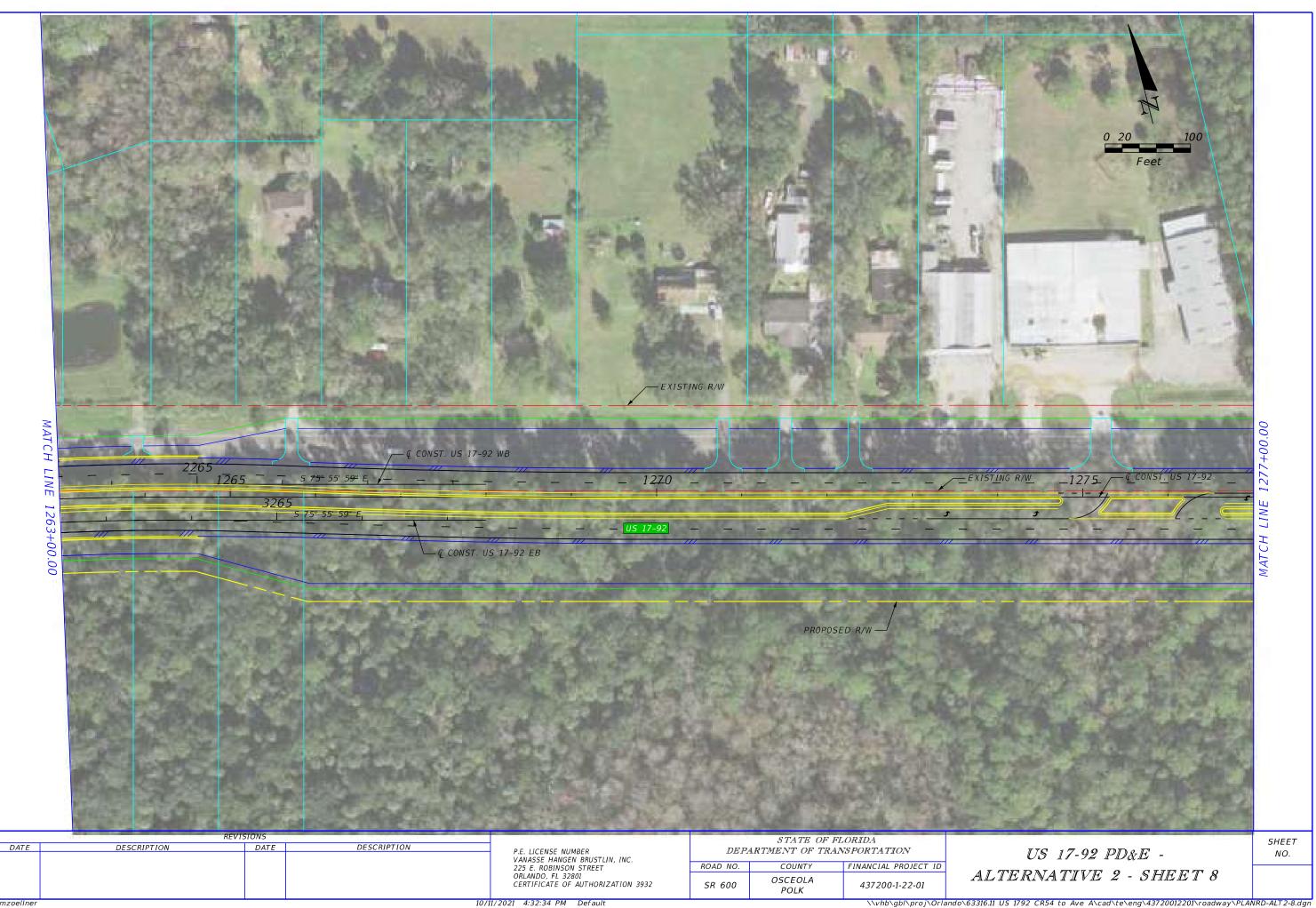
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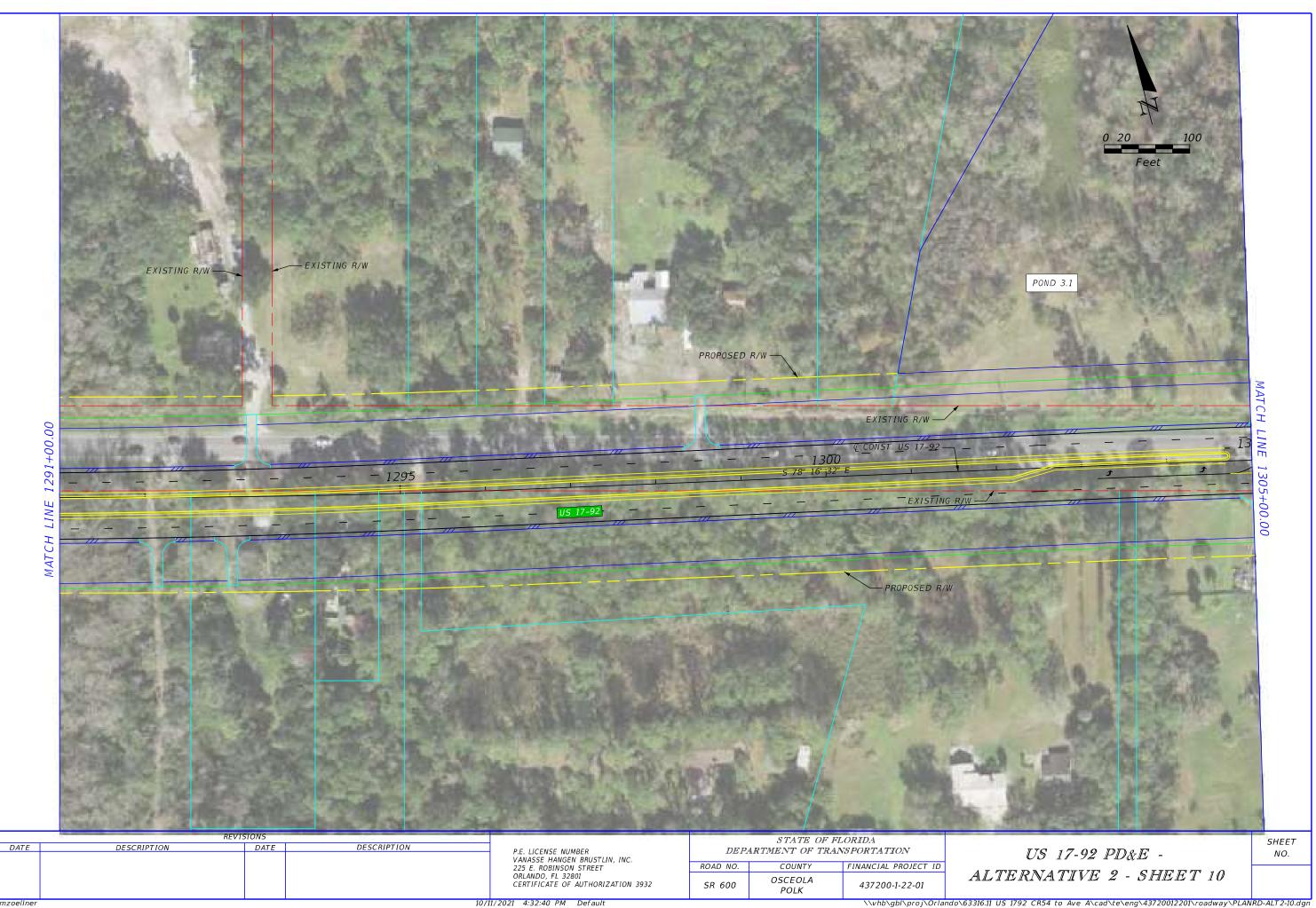




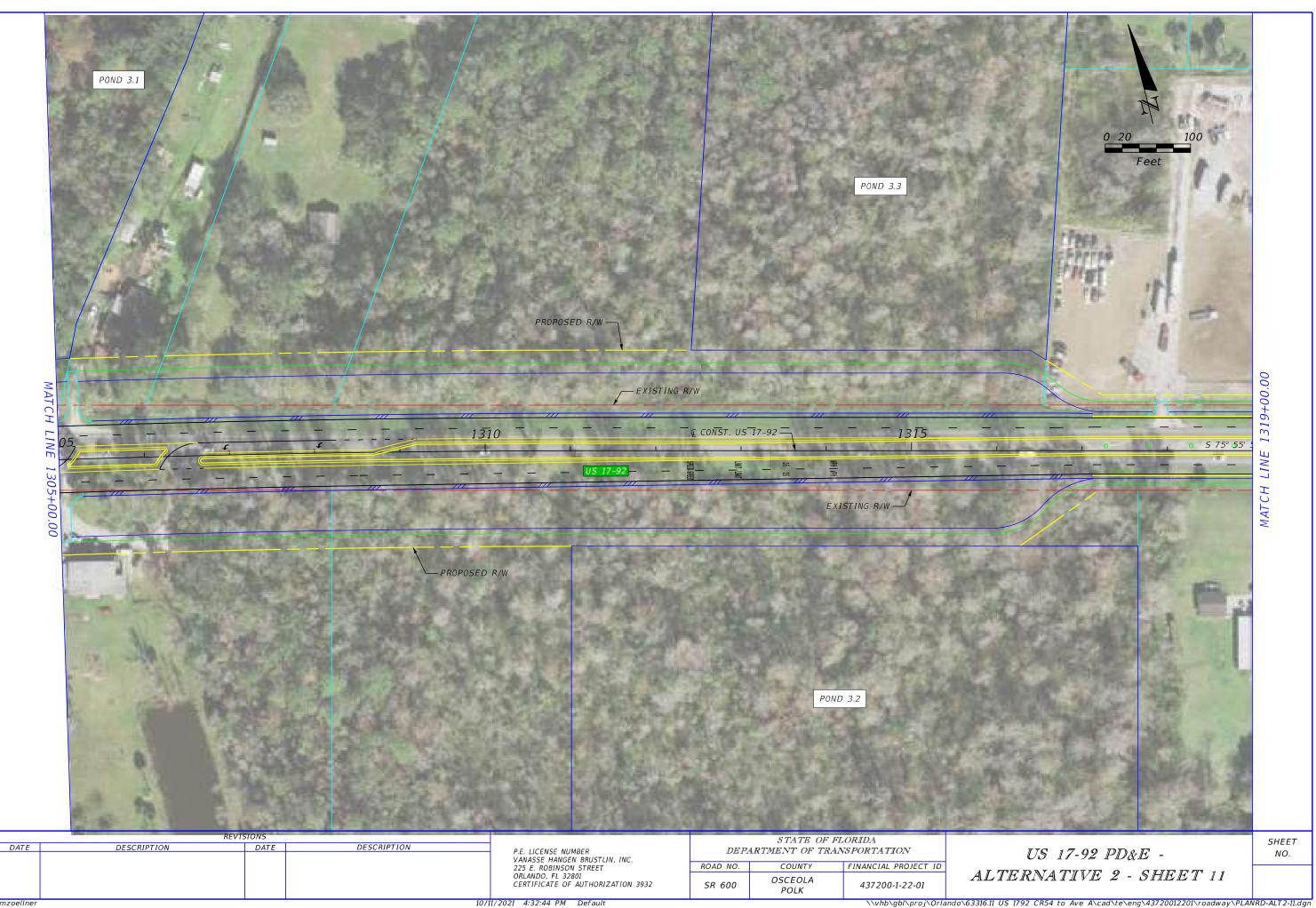






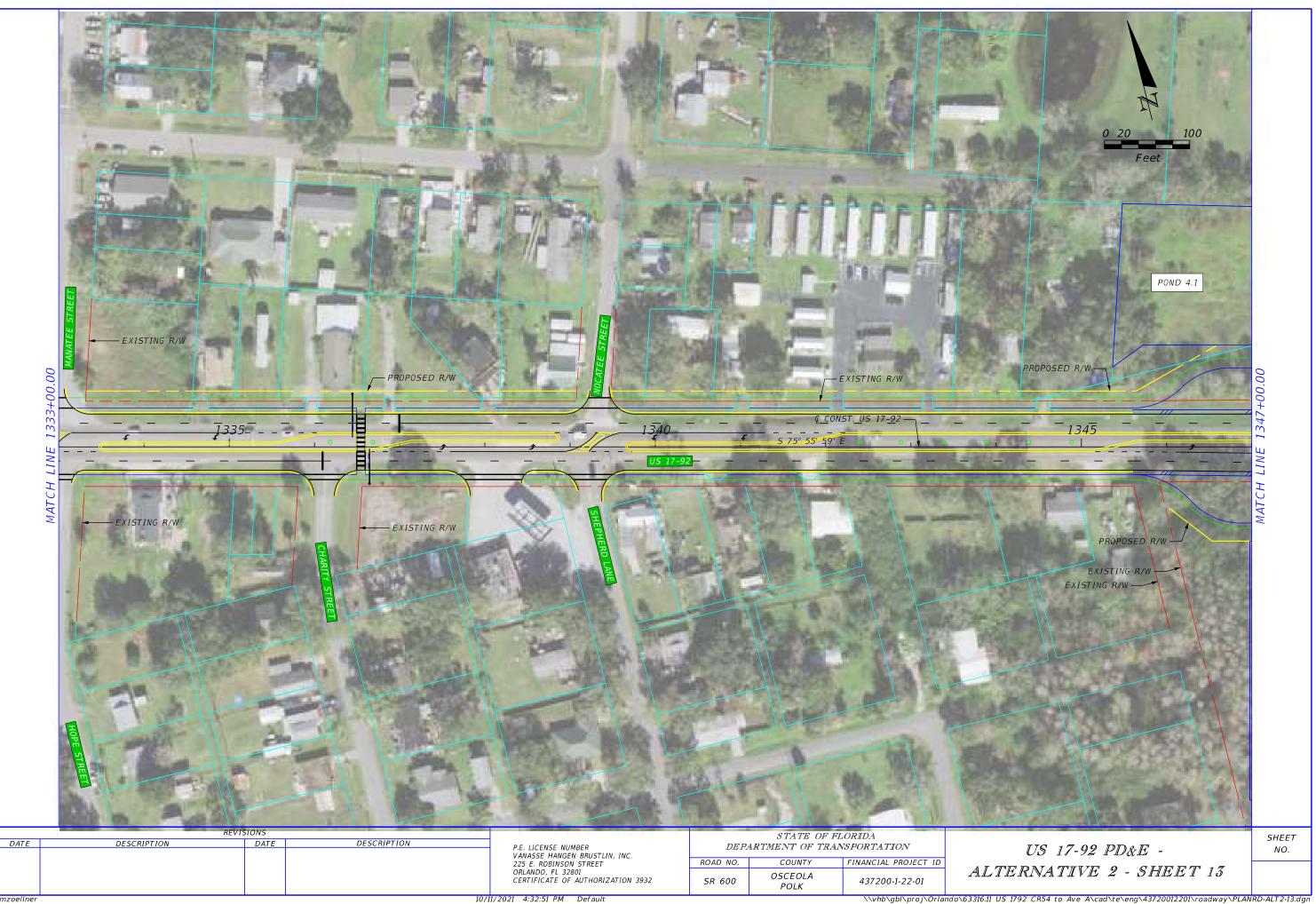


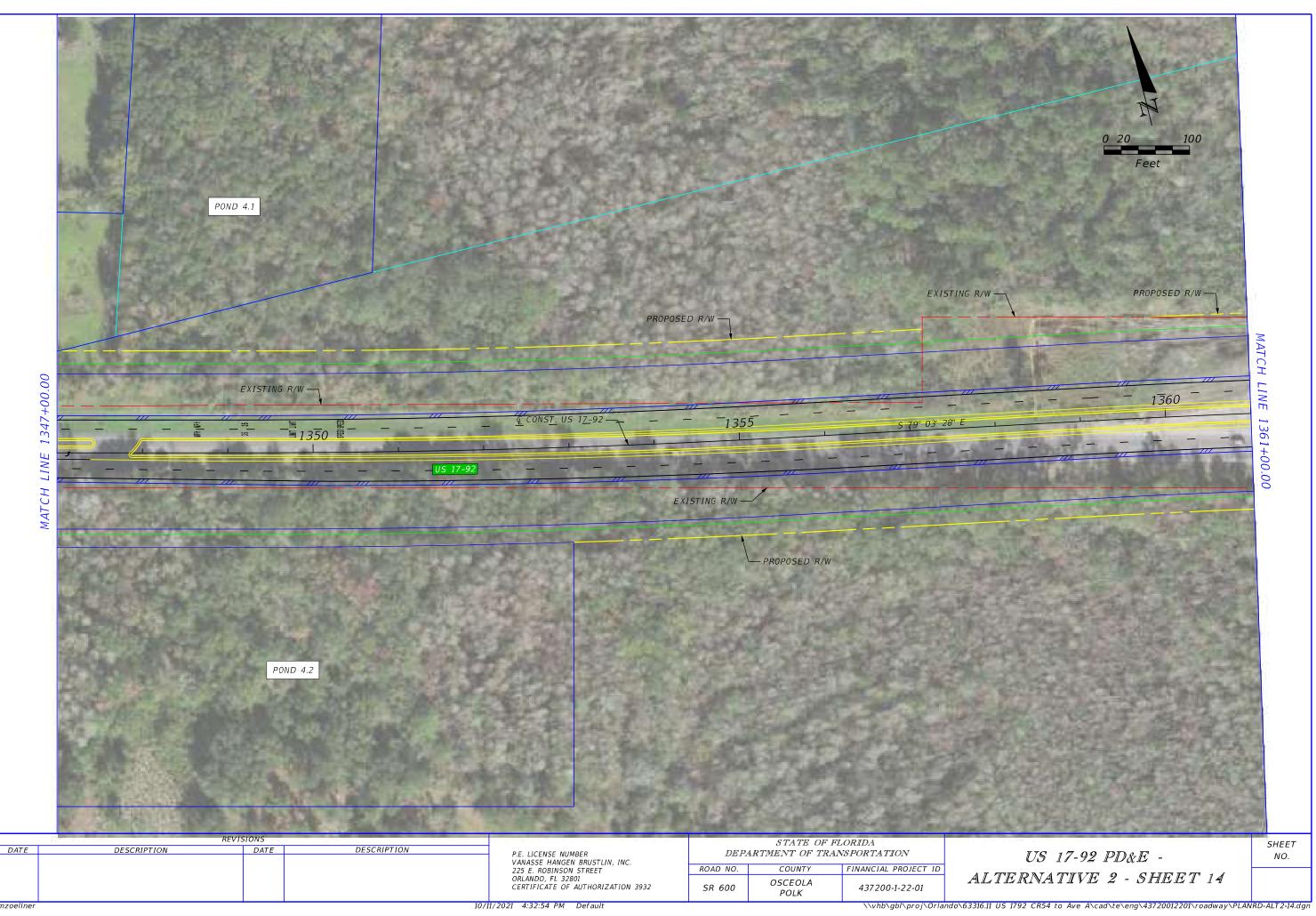
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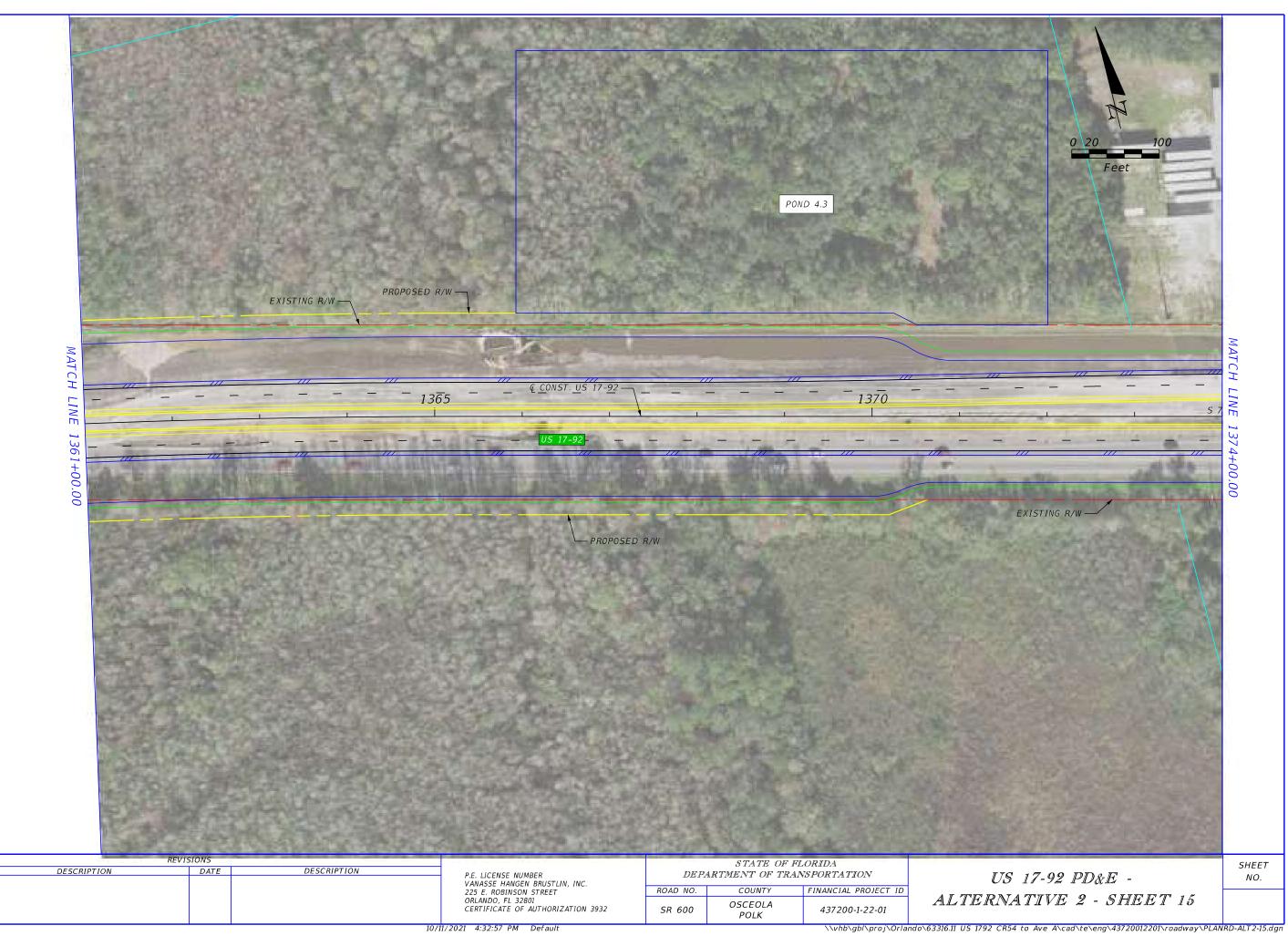


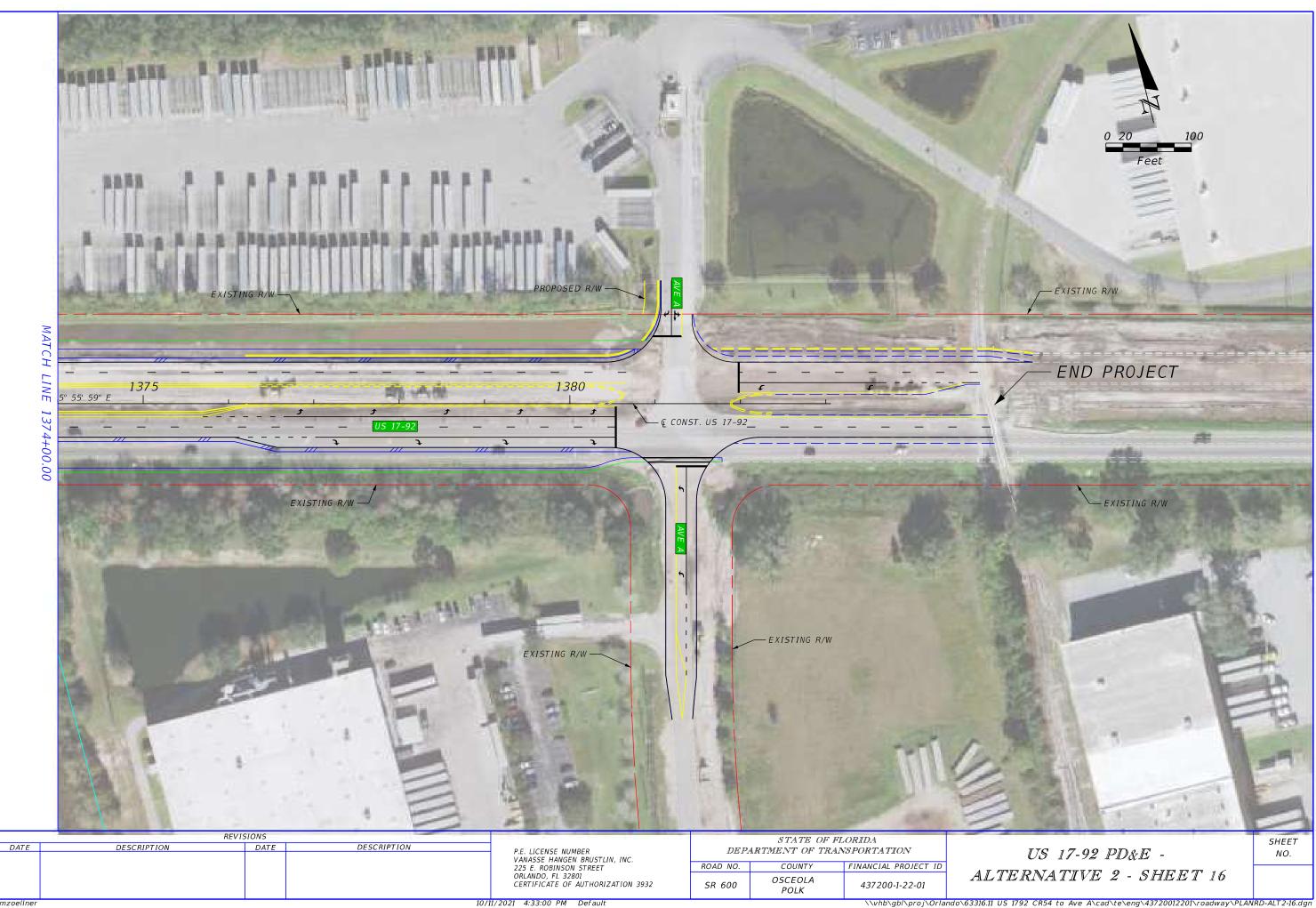


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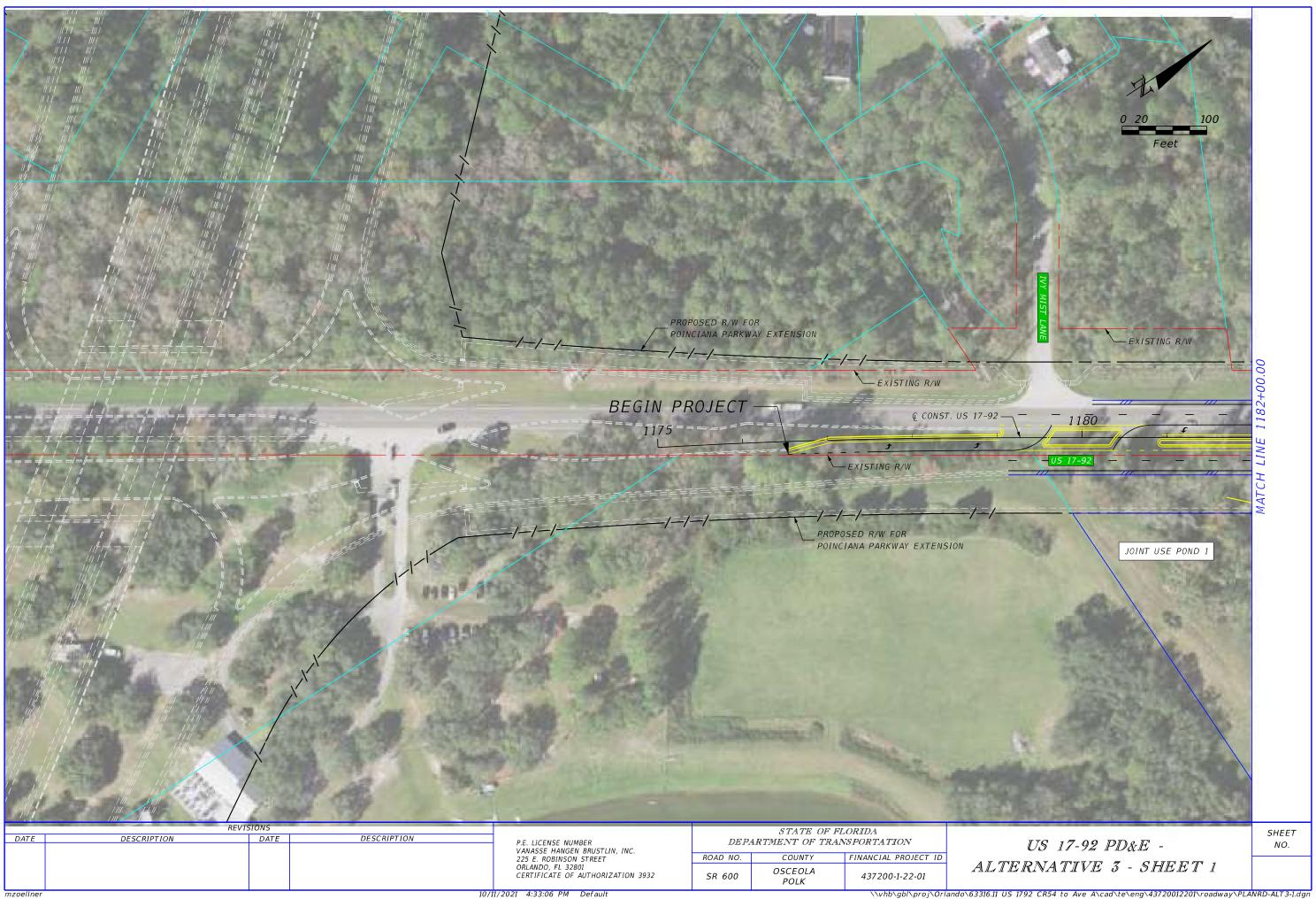


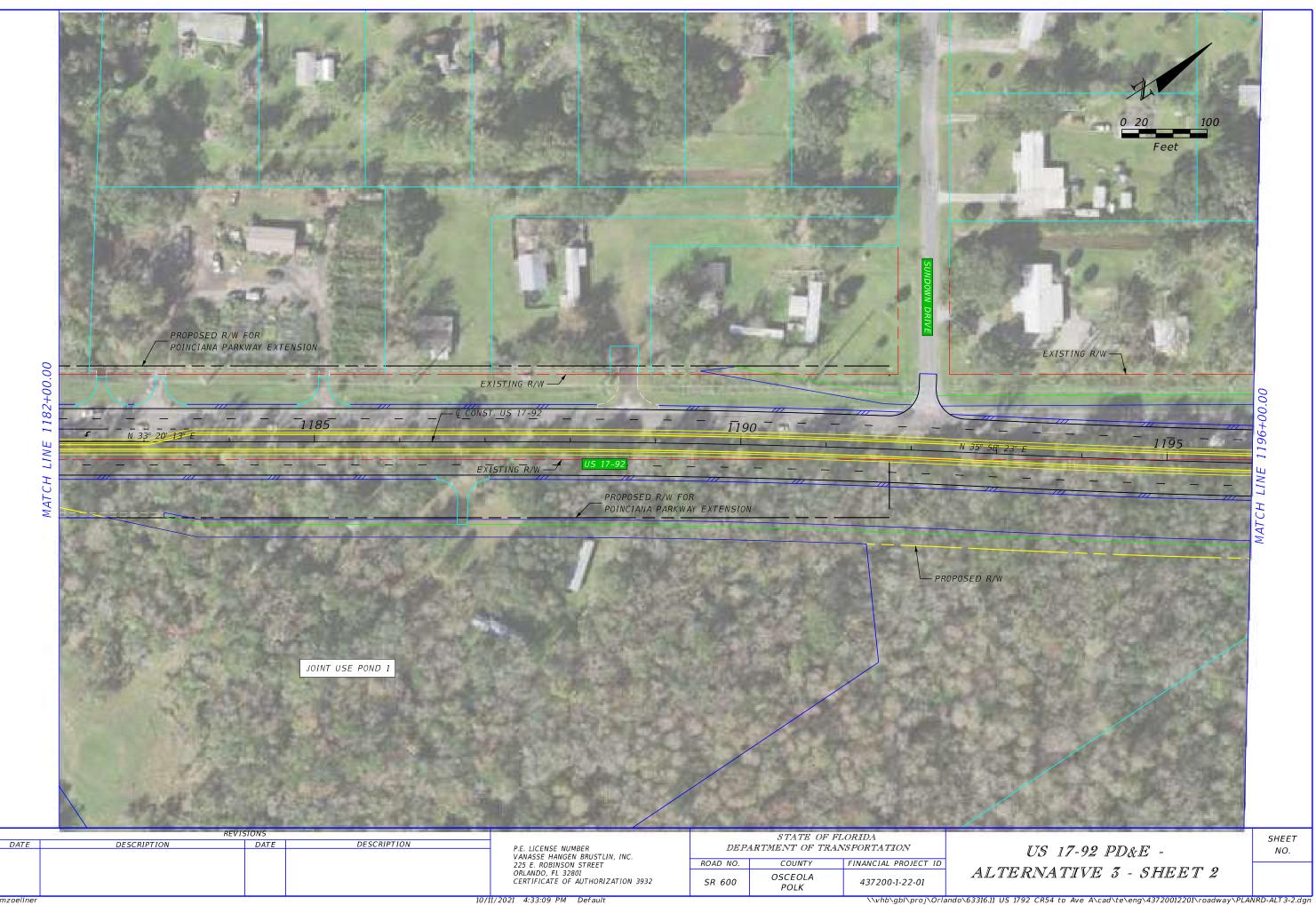


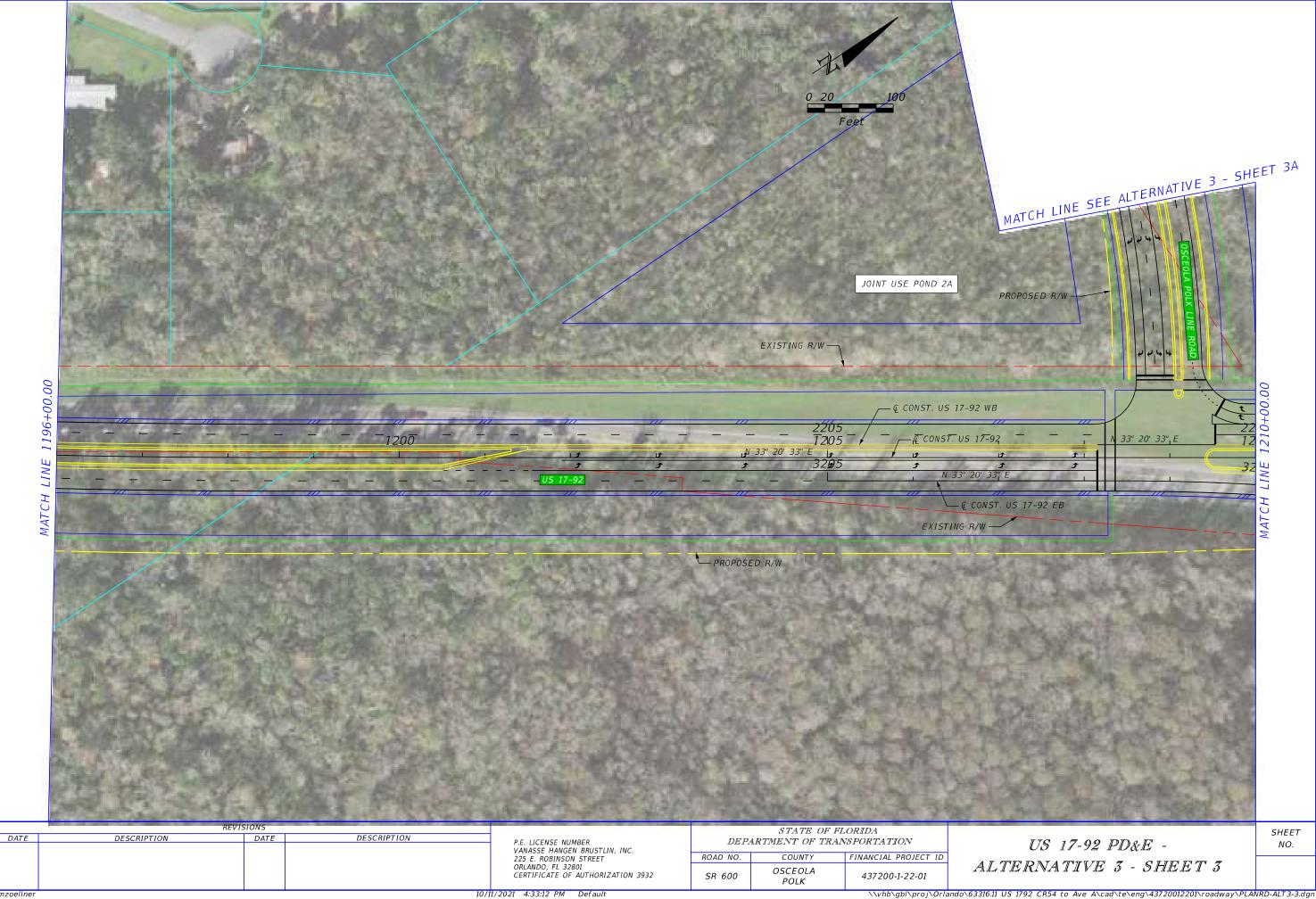


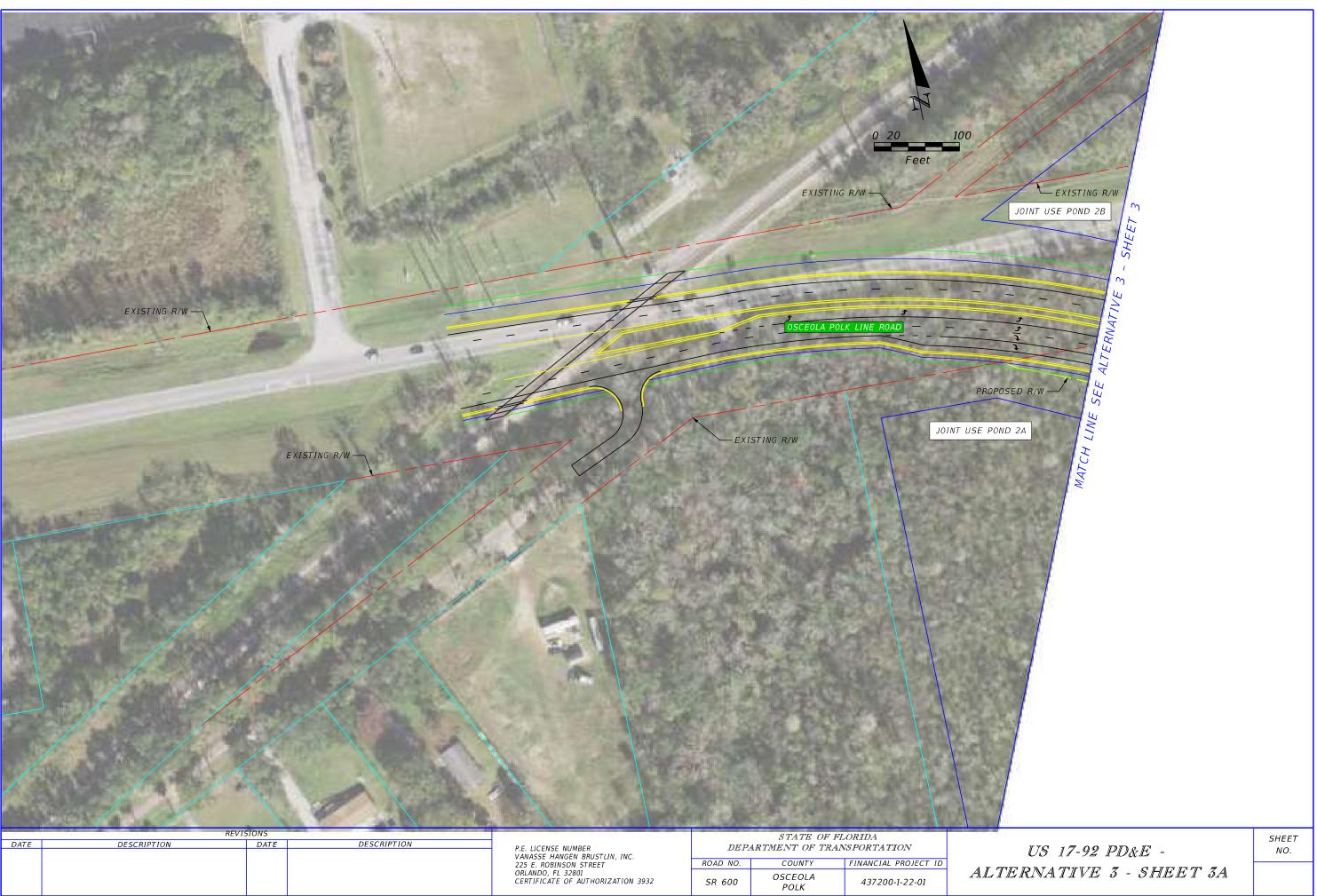


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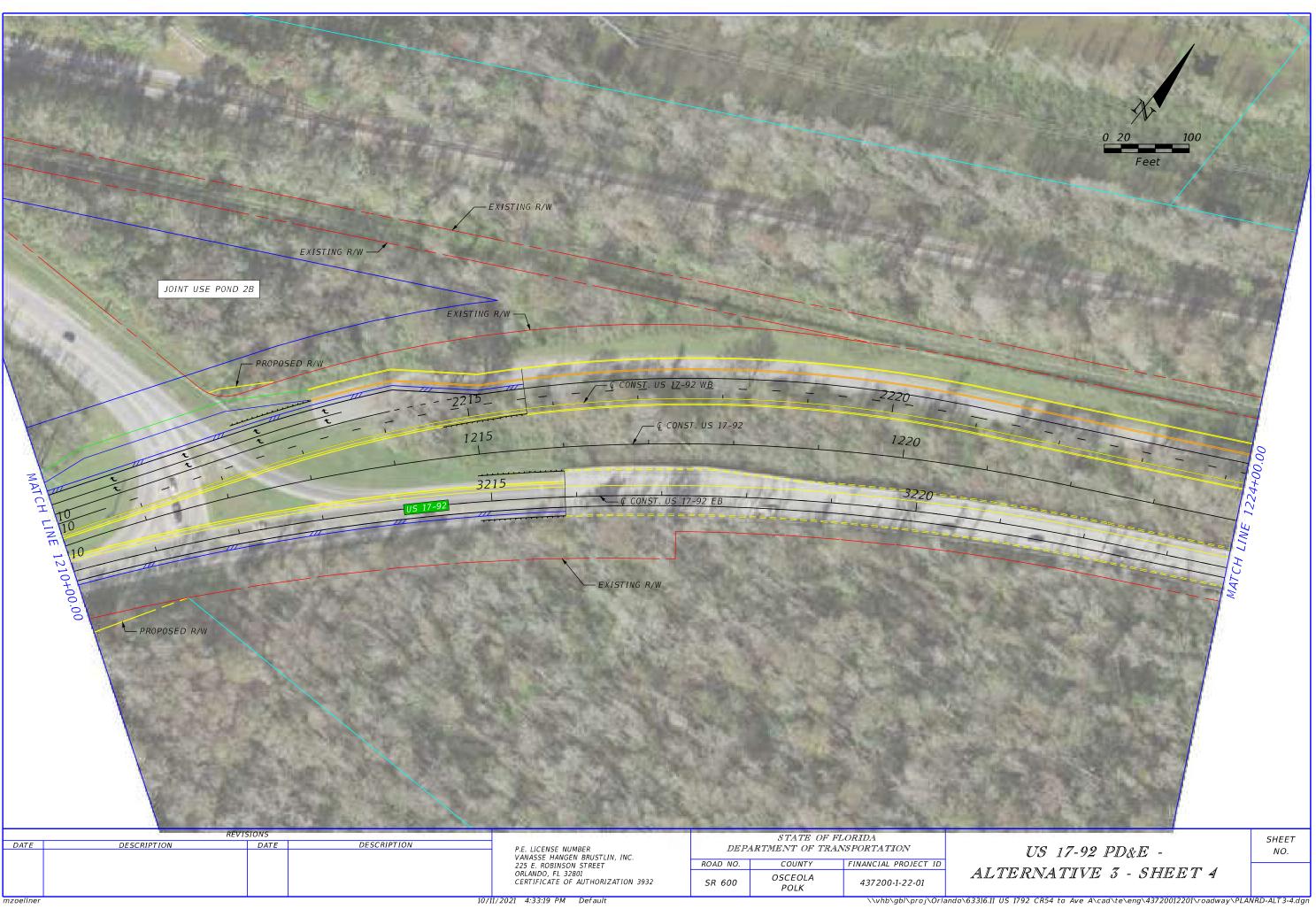


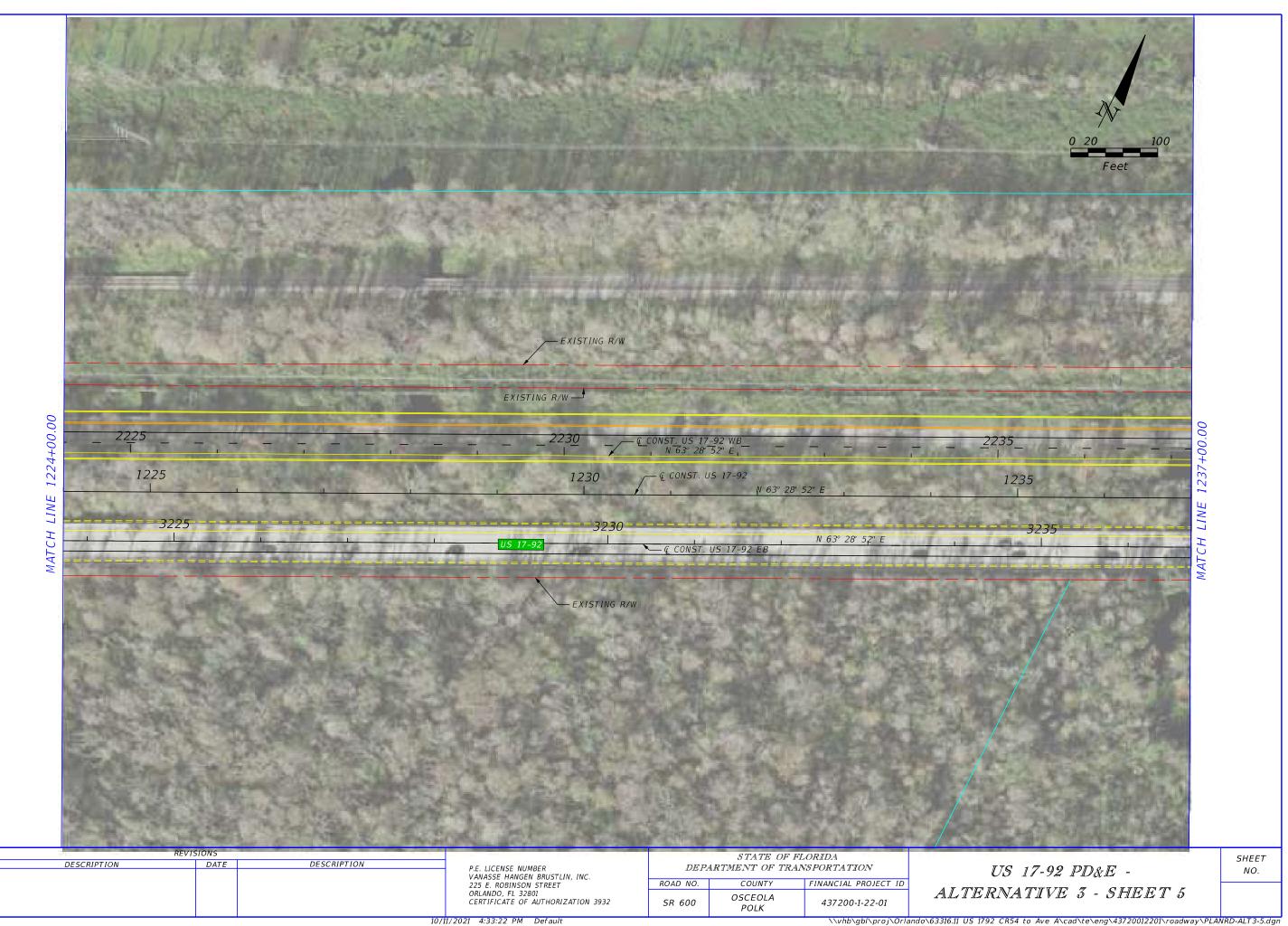


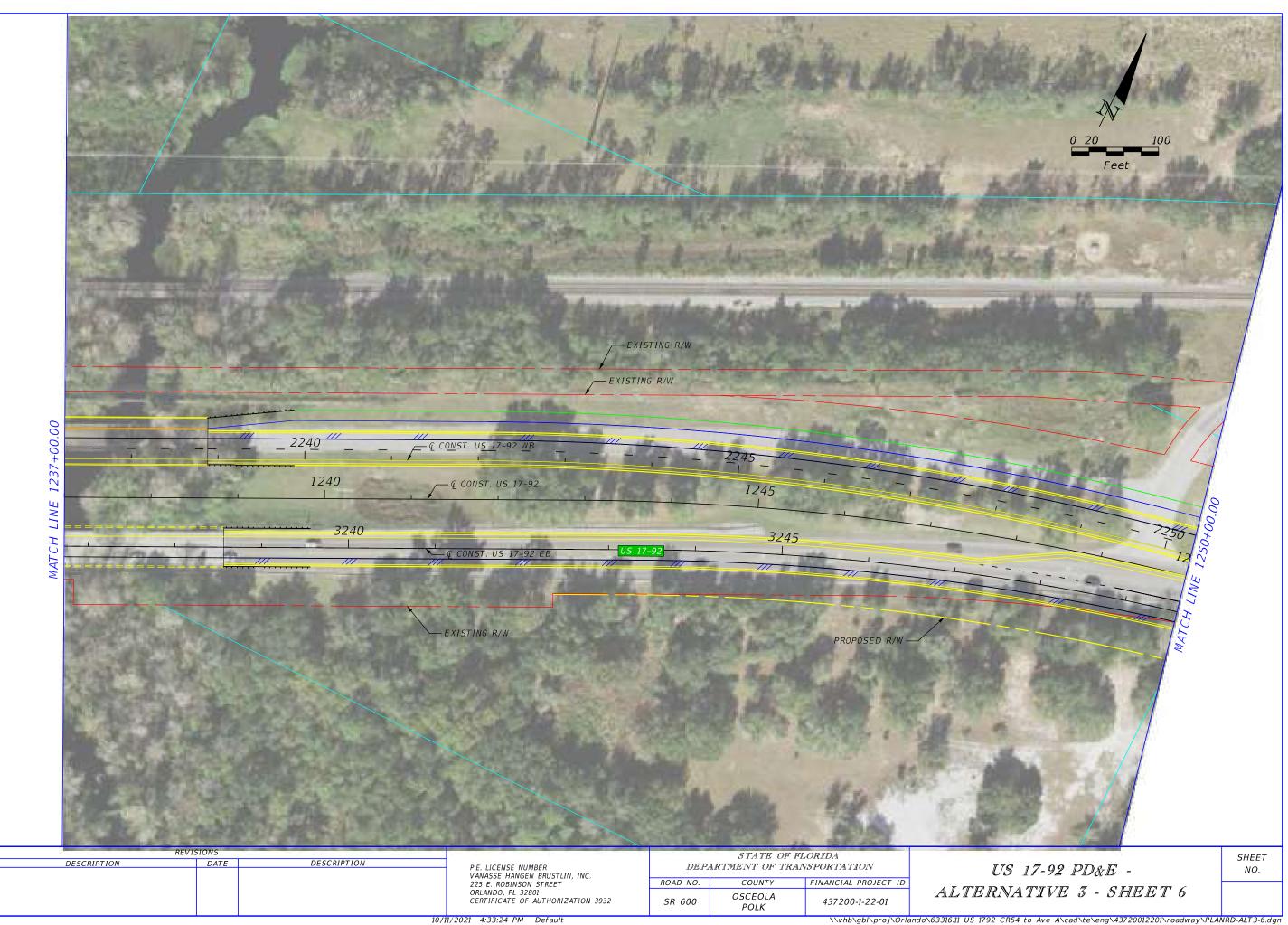


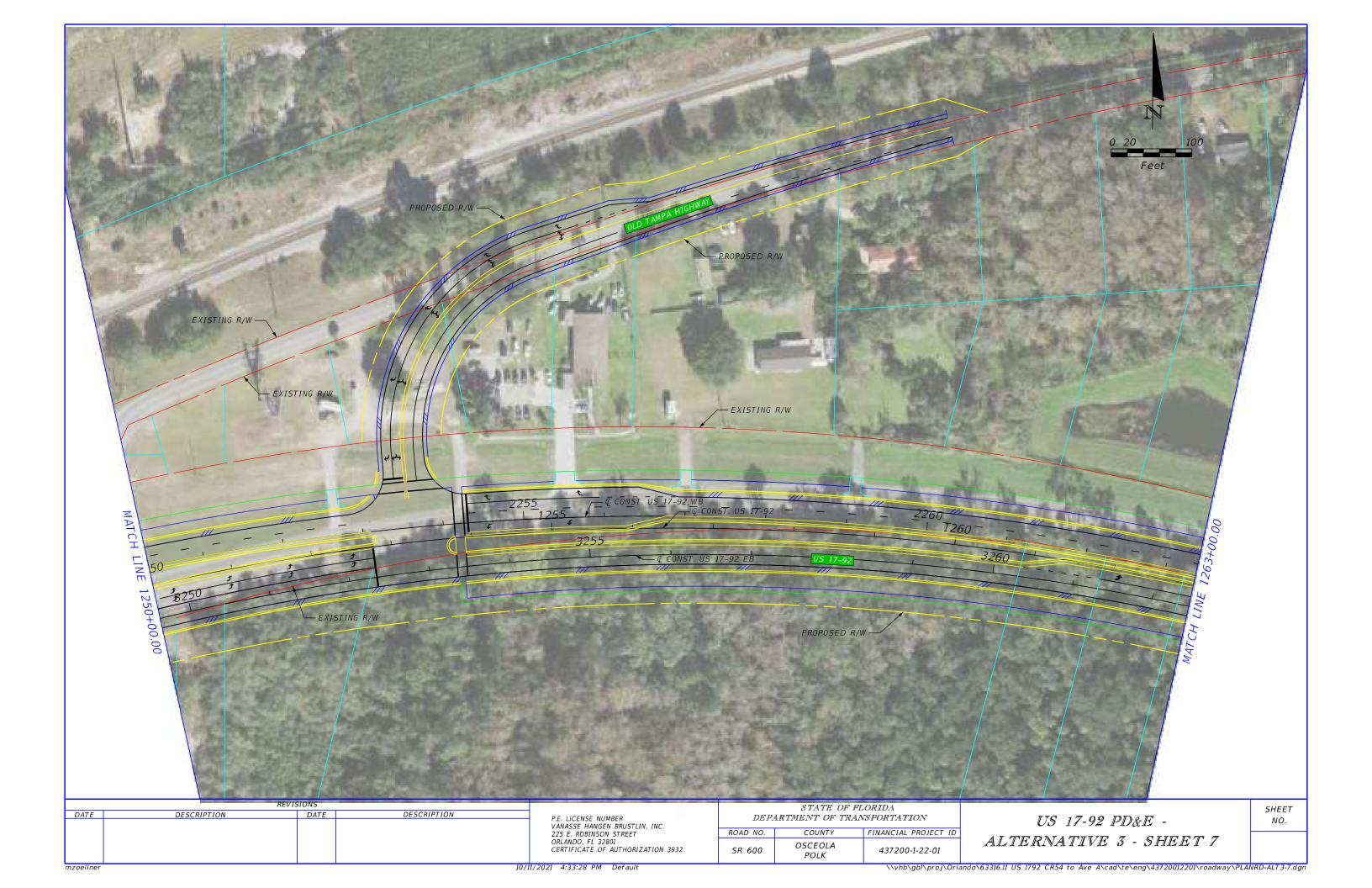


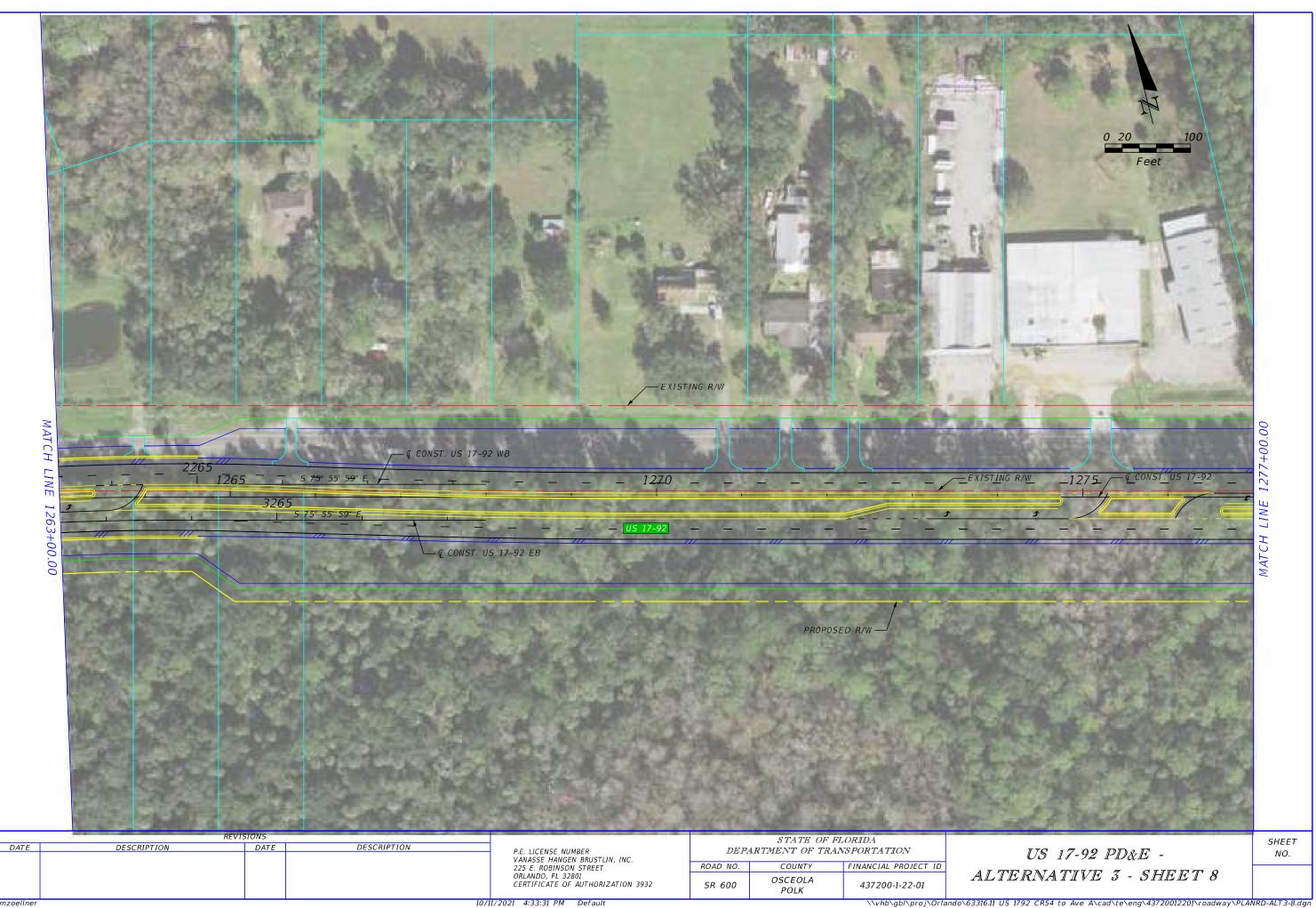
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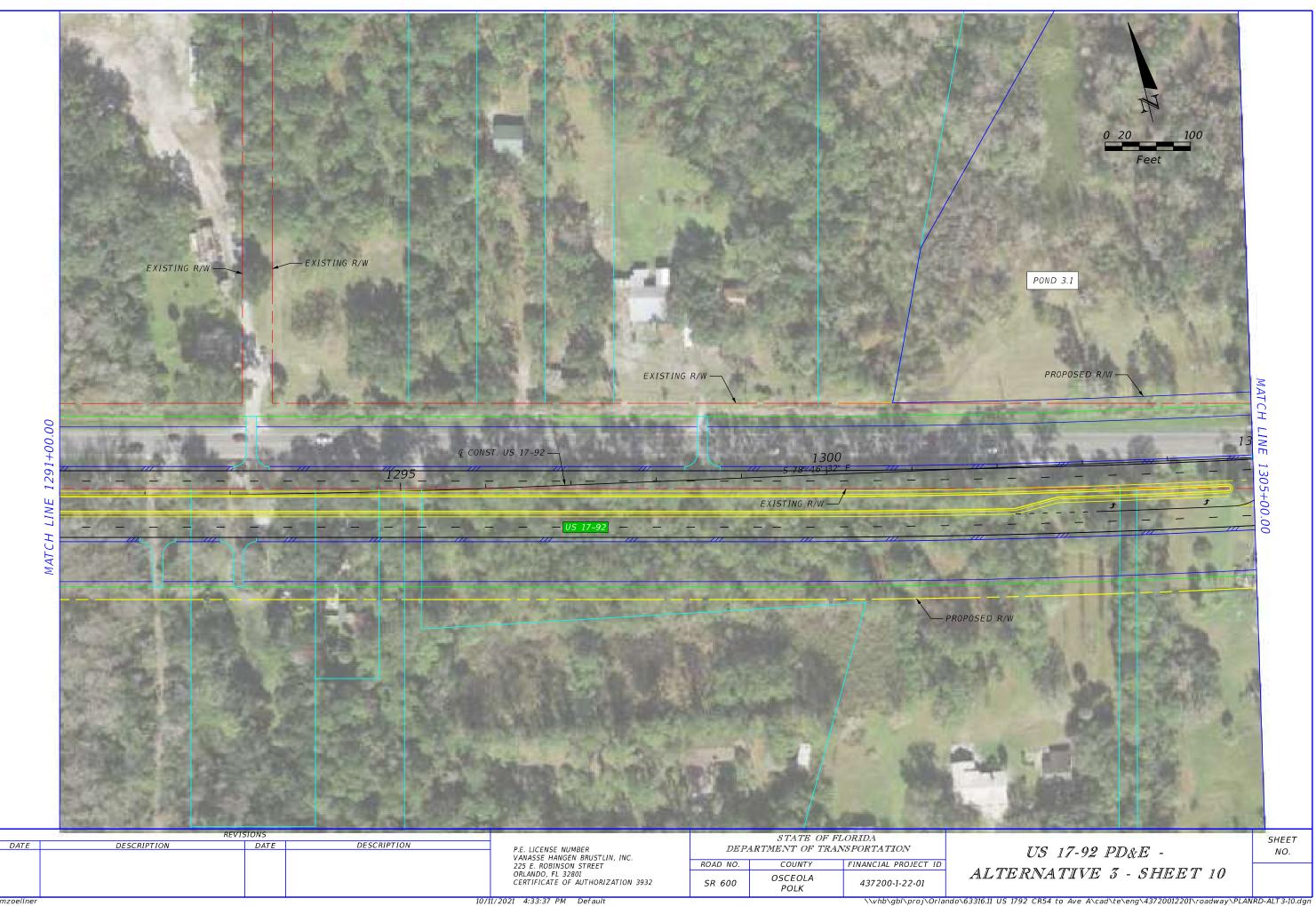




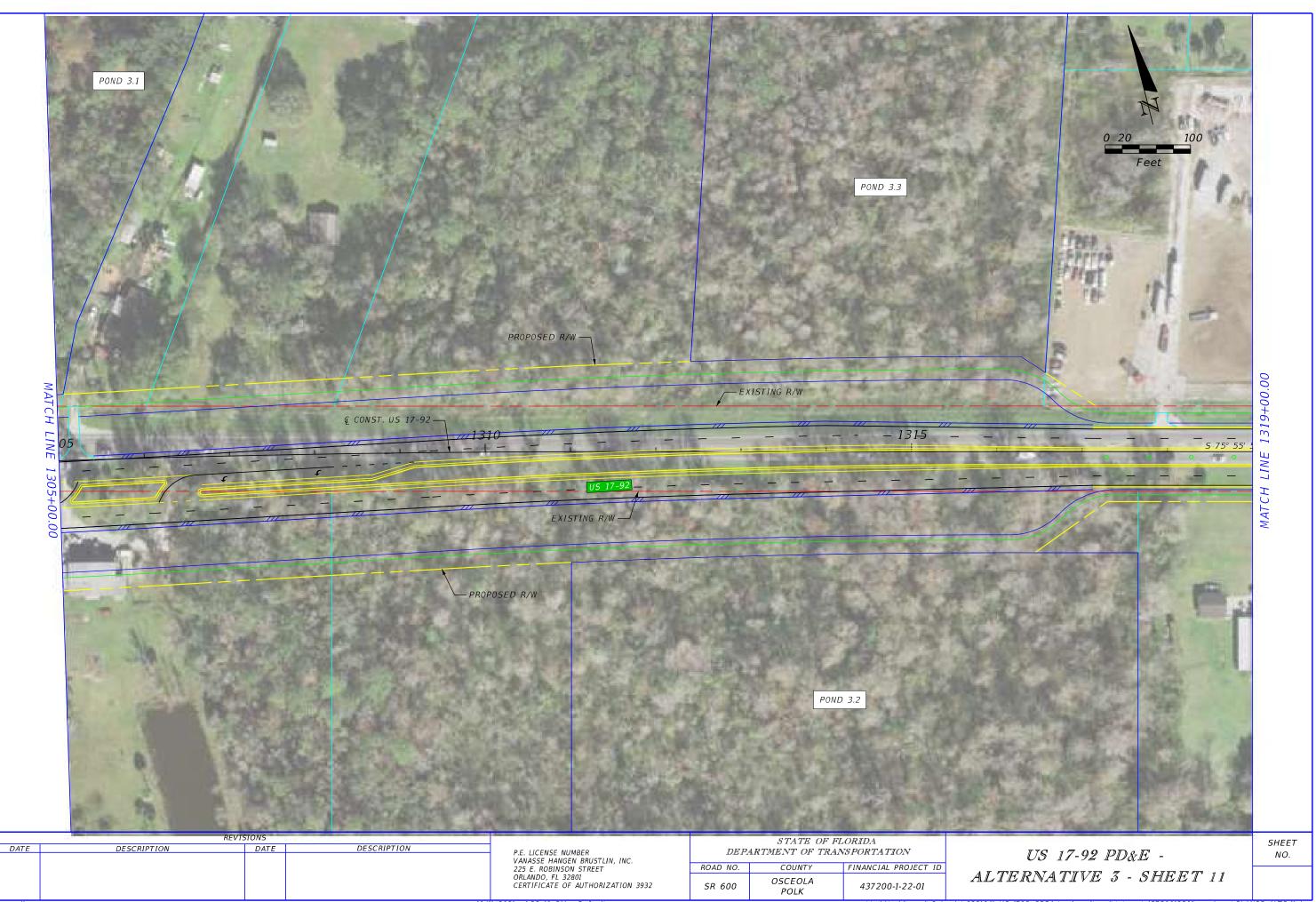








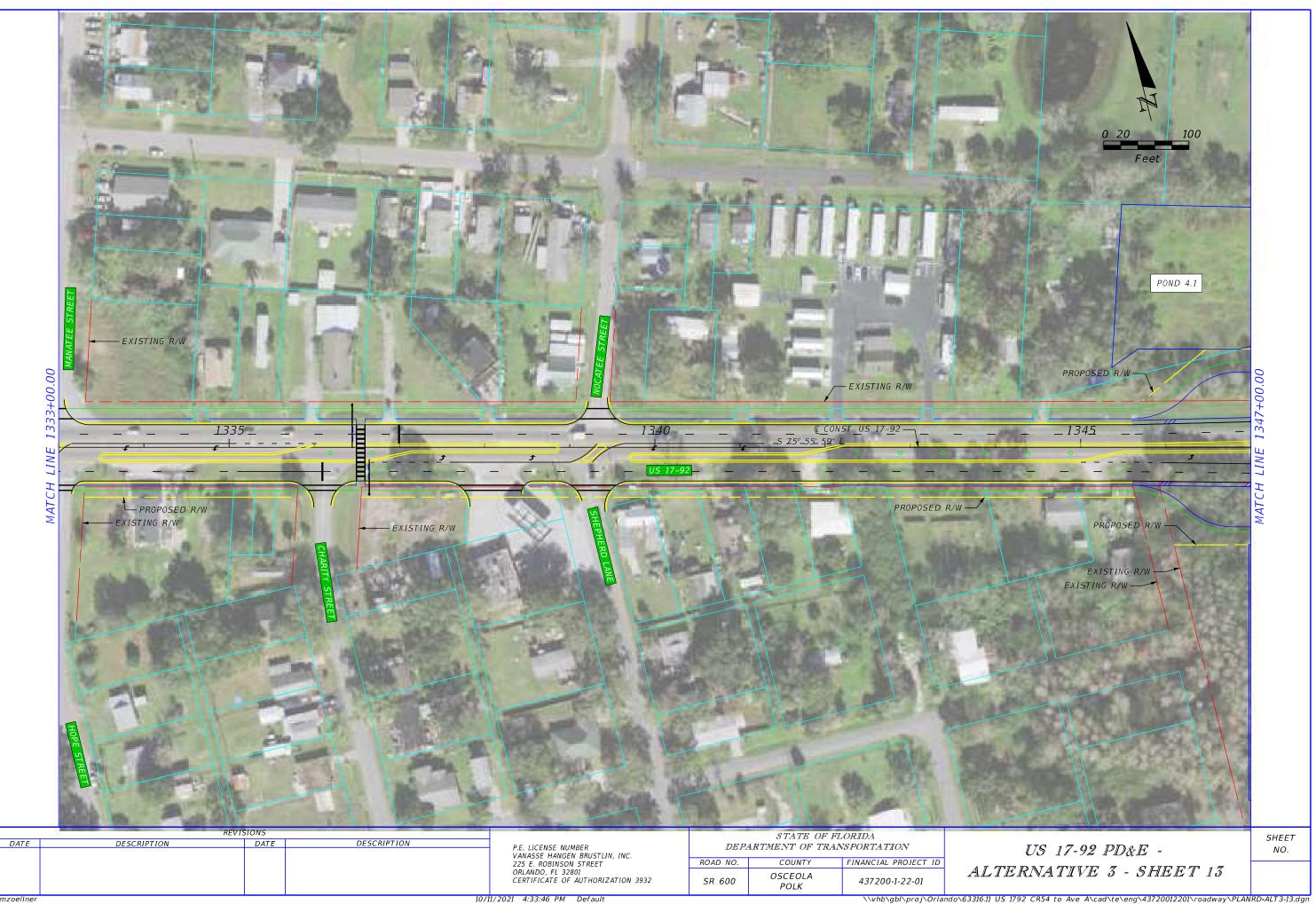
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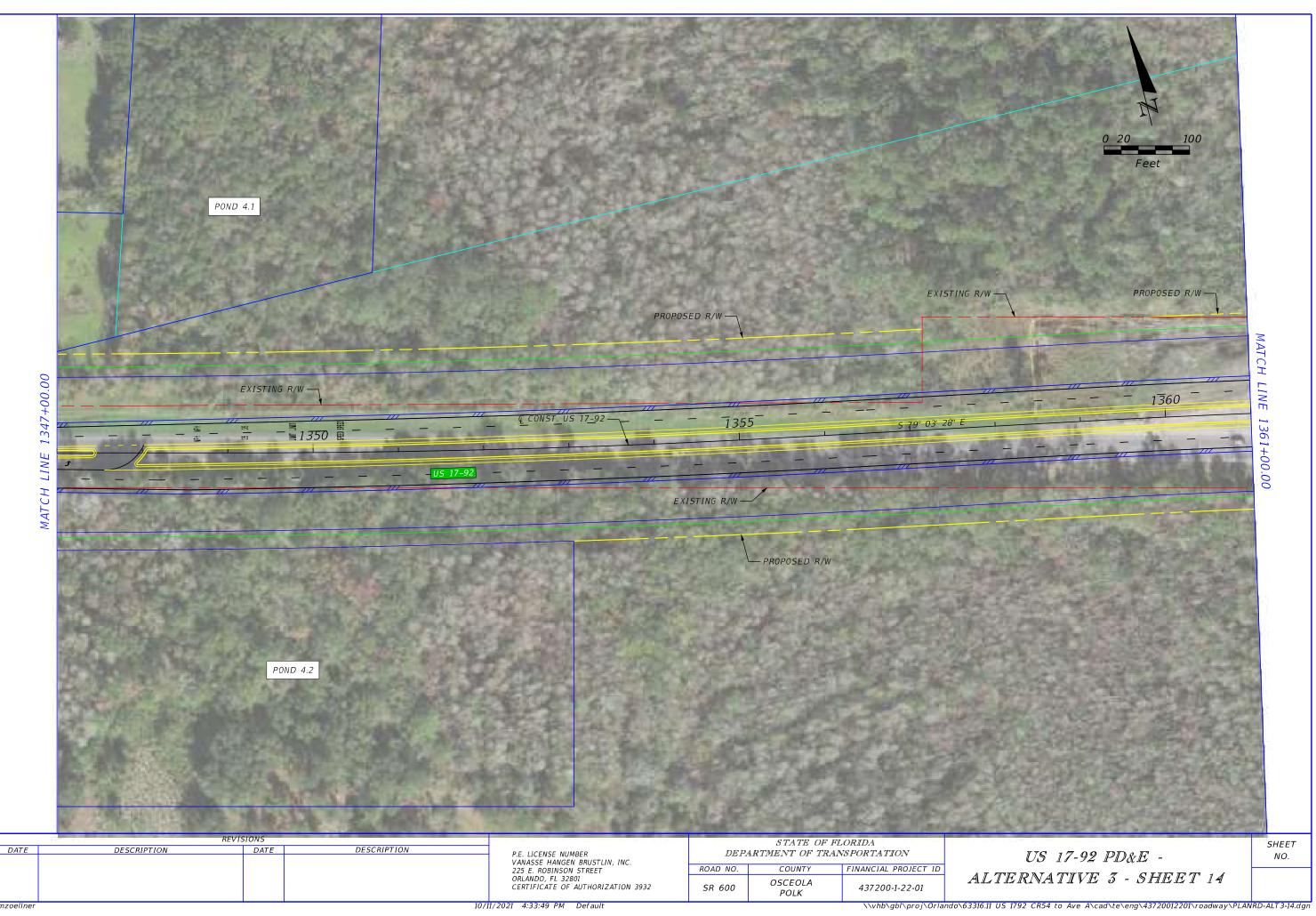


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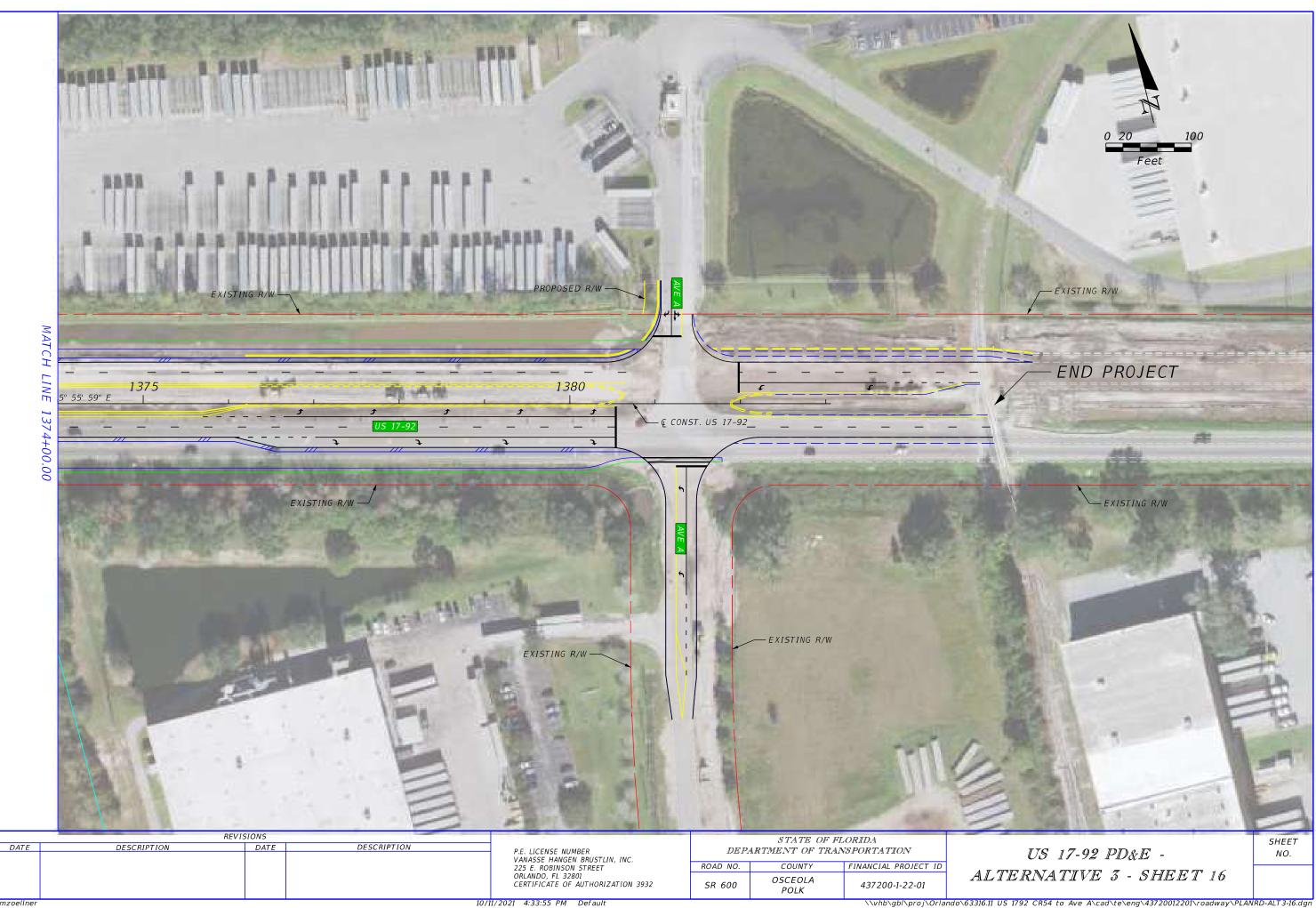


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## Transtate Industrial Pipeline Systems Inc.



October 18, 2021

VHB Attn: Michael Zoellner

Subject: Initial Contact US 17-92 Plan

Mr. Zoellner,

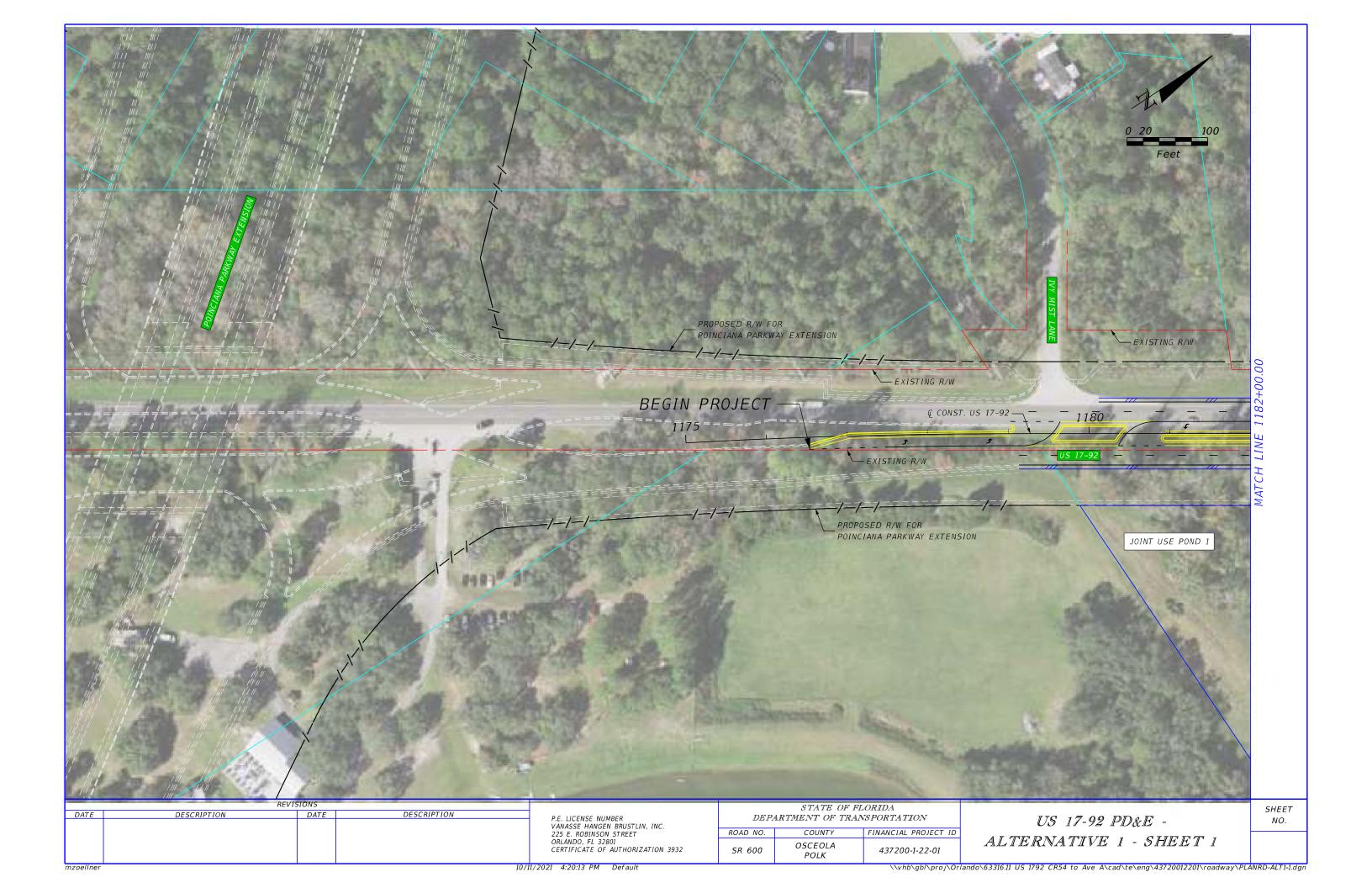
Kissimmee Utility Authority owns a 20-inch high pressure natural gas pipeline which Transtate operates and maintains. This pipeline provides the primary fuel for their Cane Island generating facility. I have marked sheets 3A – 7 on all three alternates.

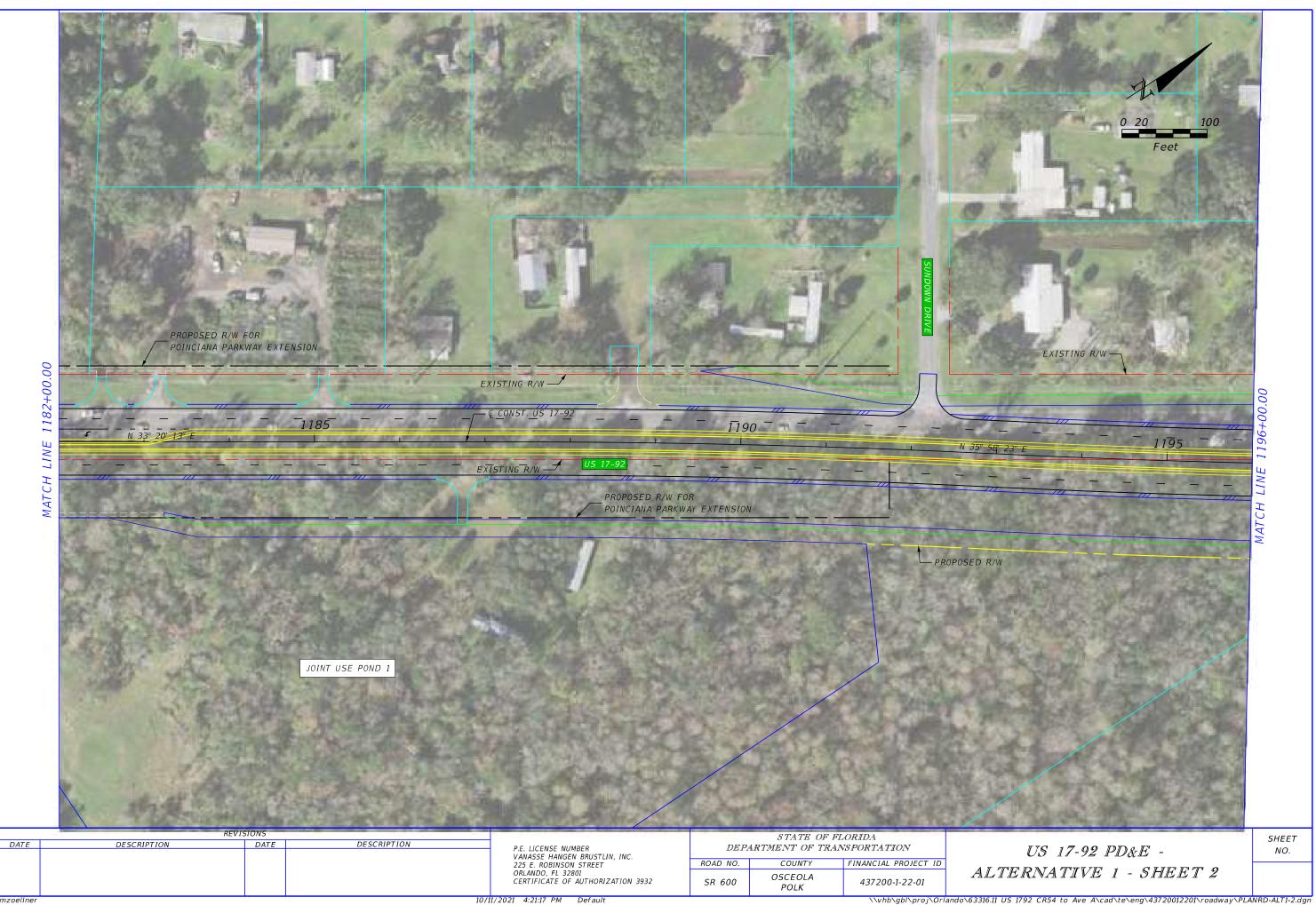
It appears sheet 7 presents a direct conflict with the pipeline with the proposed new Old Tampa Highway interchange.

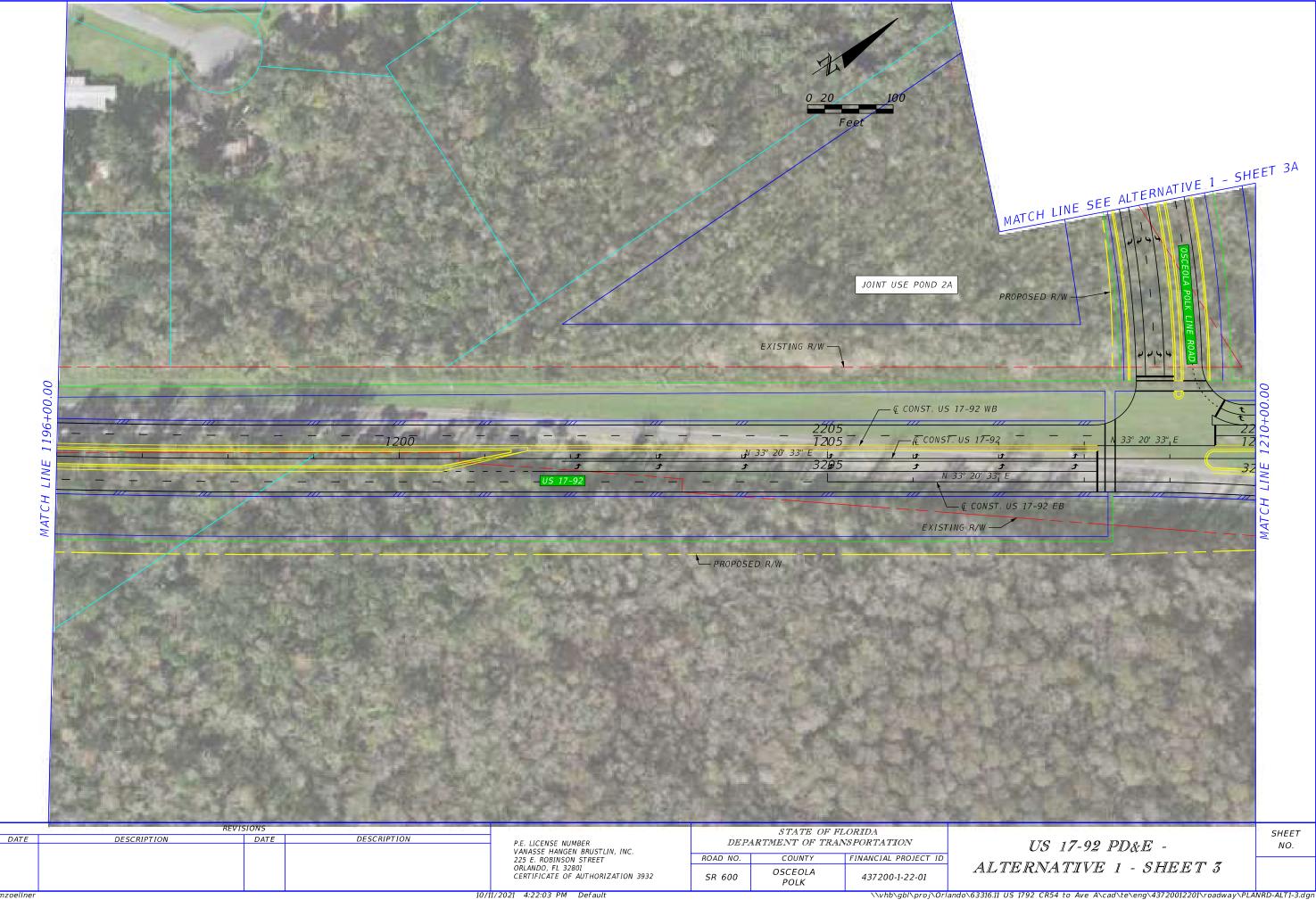
Any construction within 25 feet of the pipeline is a paramount concern. Excavations, staging of equipment/materials, ground compaction, weight loads near the pipeline, etc. are some of the items to be considered before proceeding.

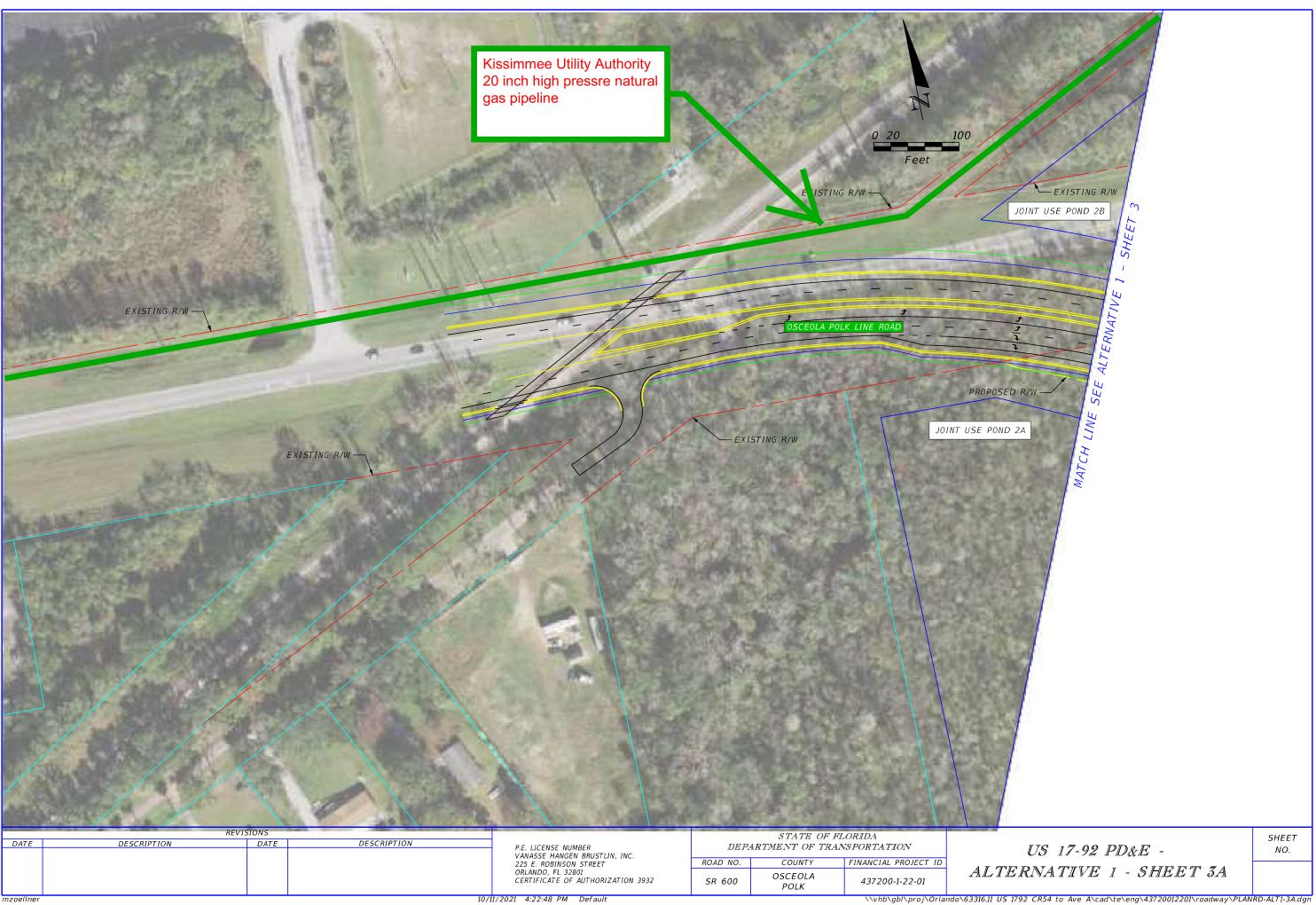
Best regards,

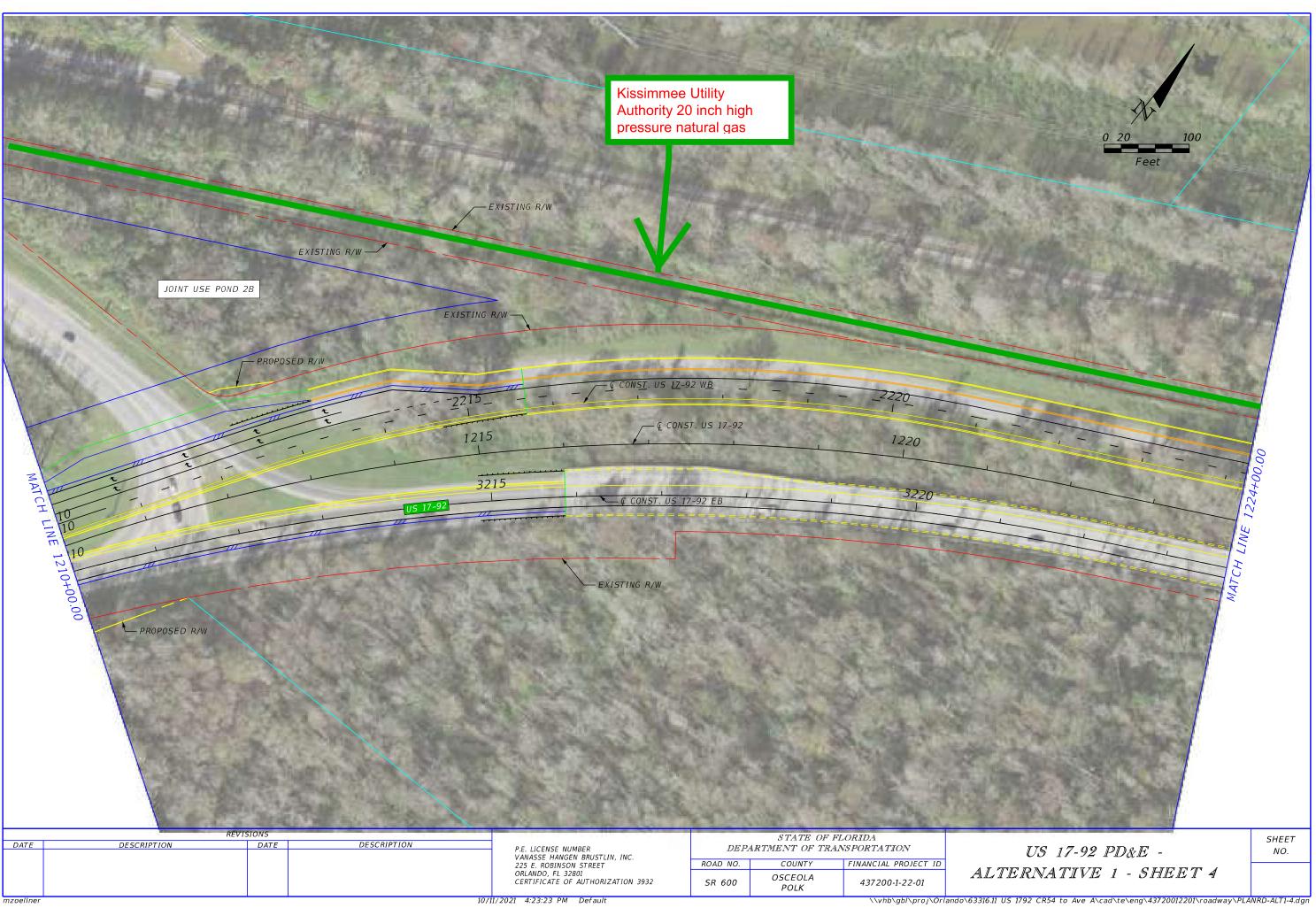
Tom Ulmer Transtate Industrial Pipeline Systems, Inc.

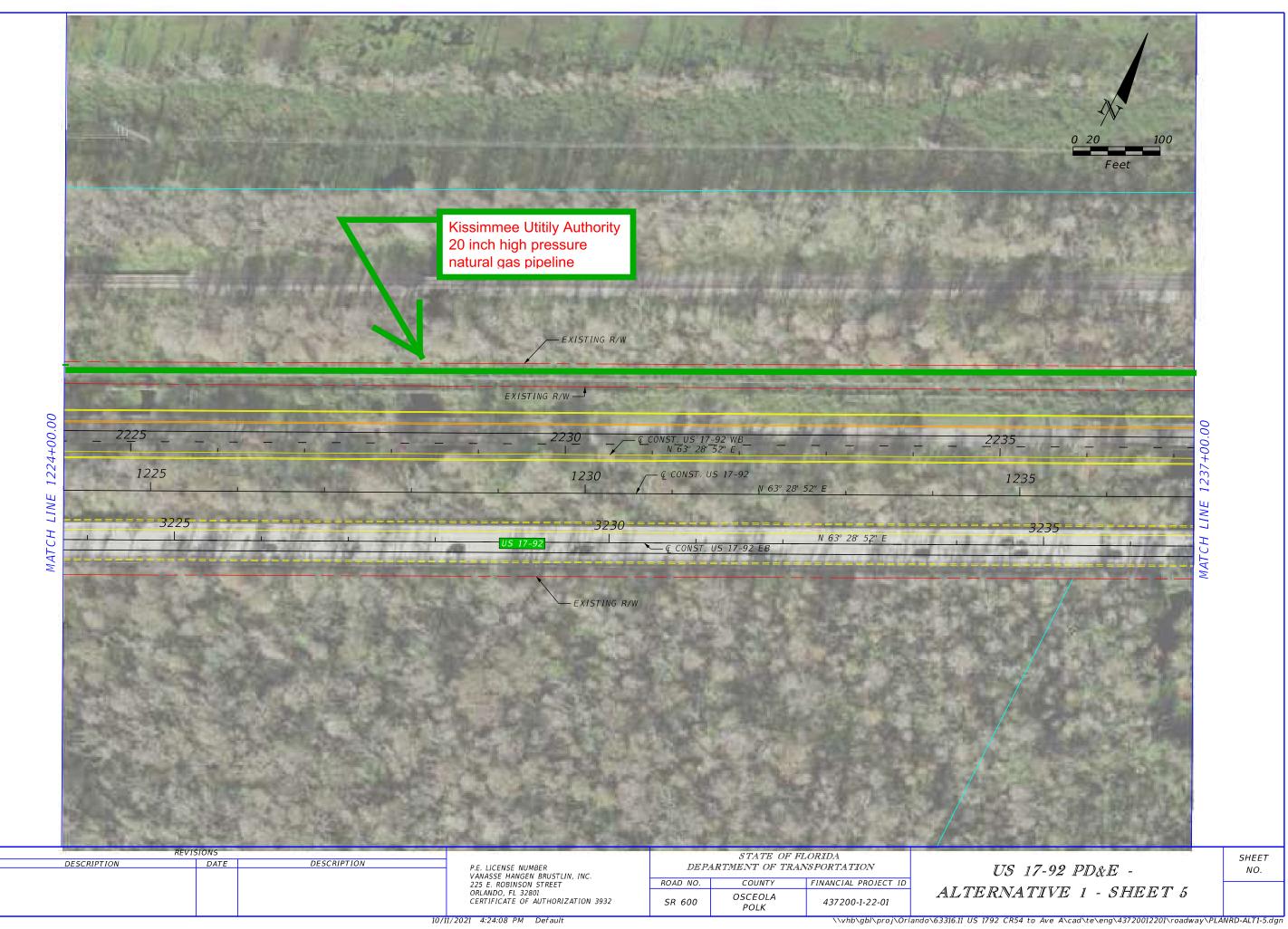


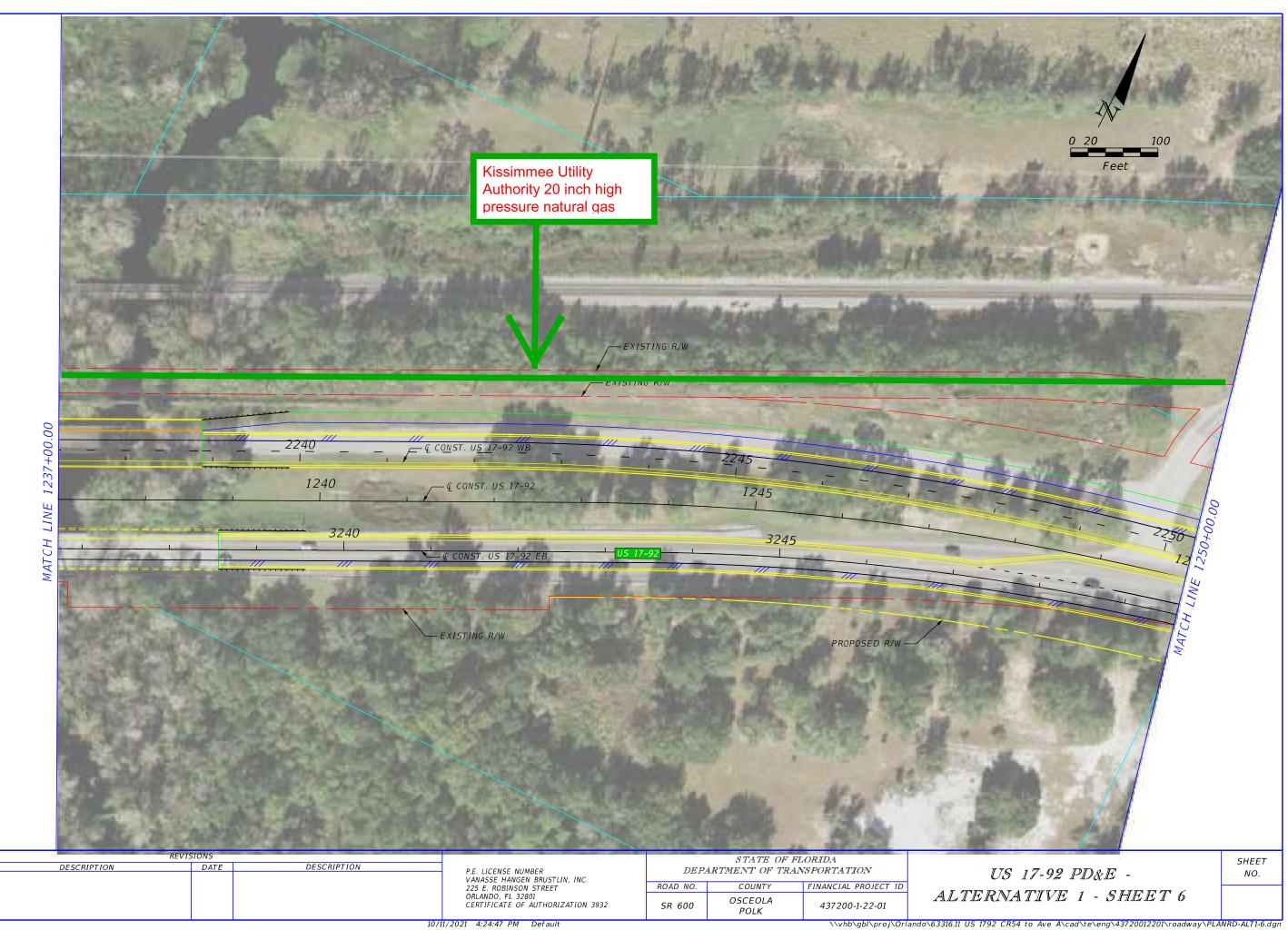


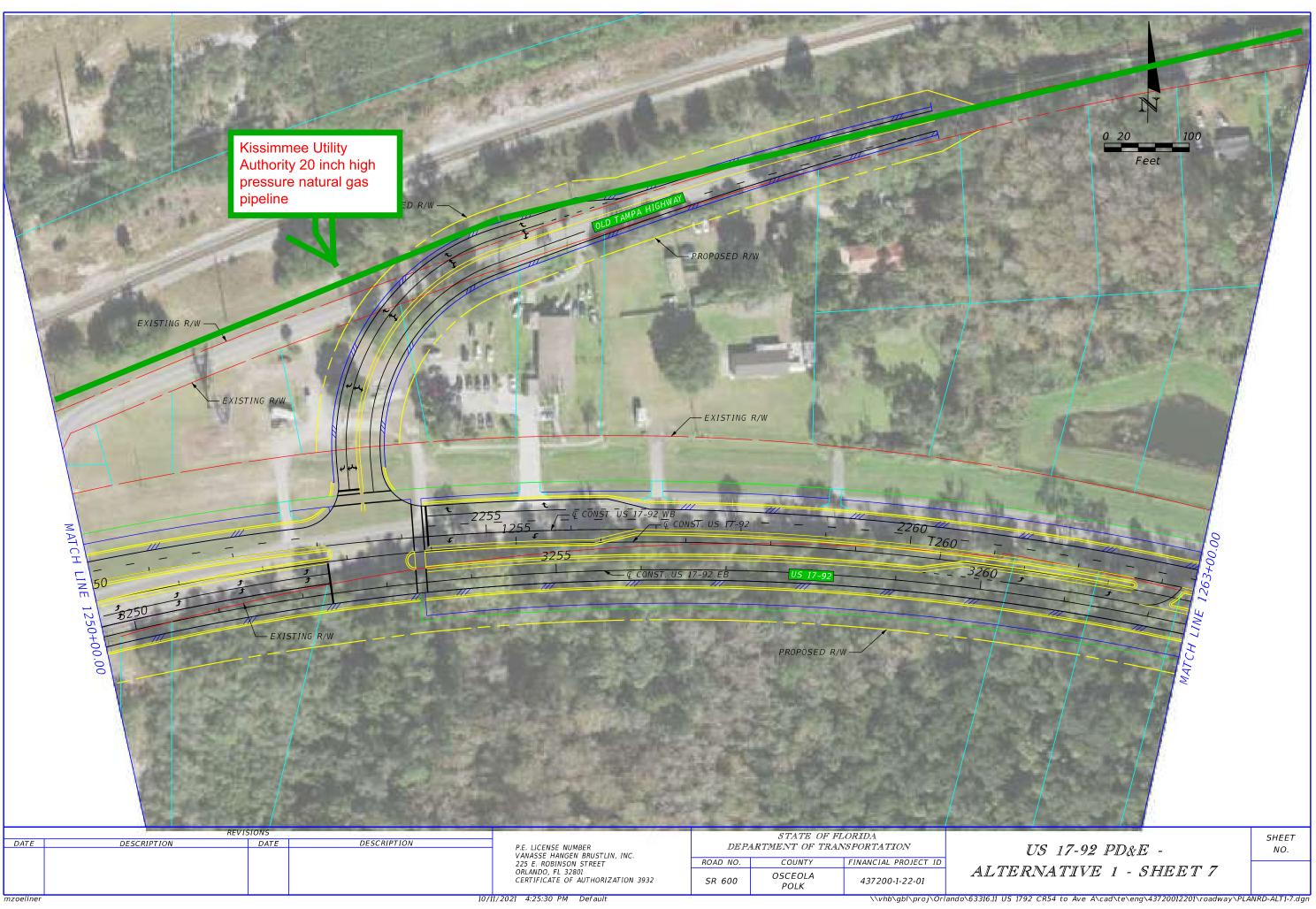


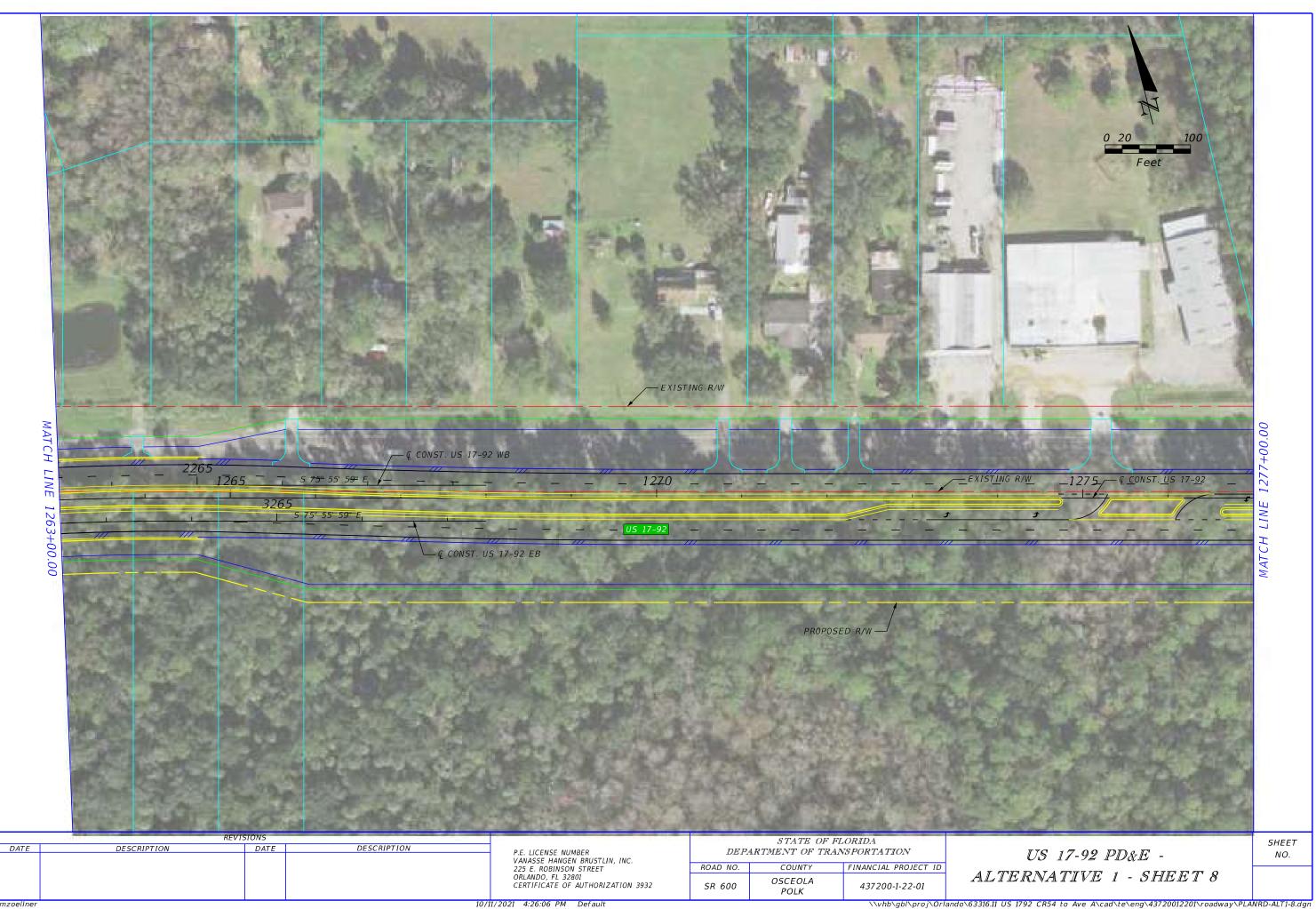




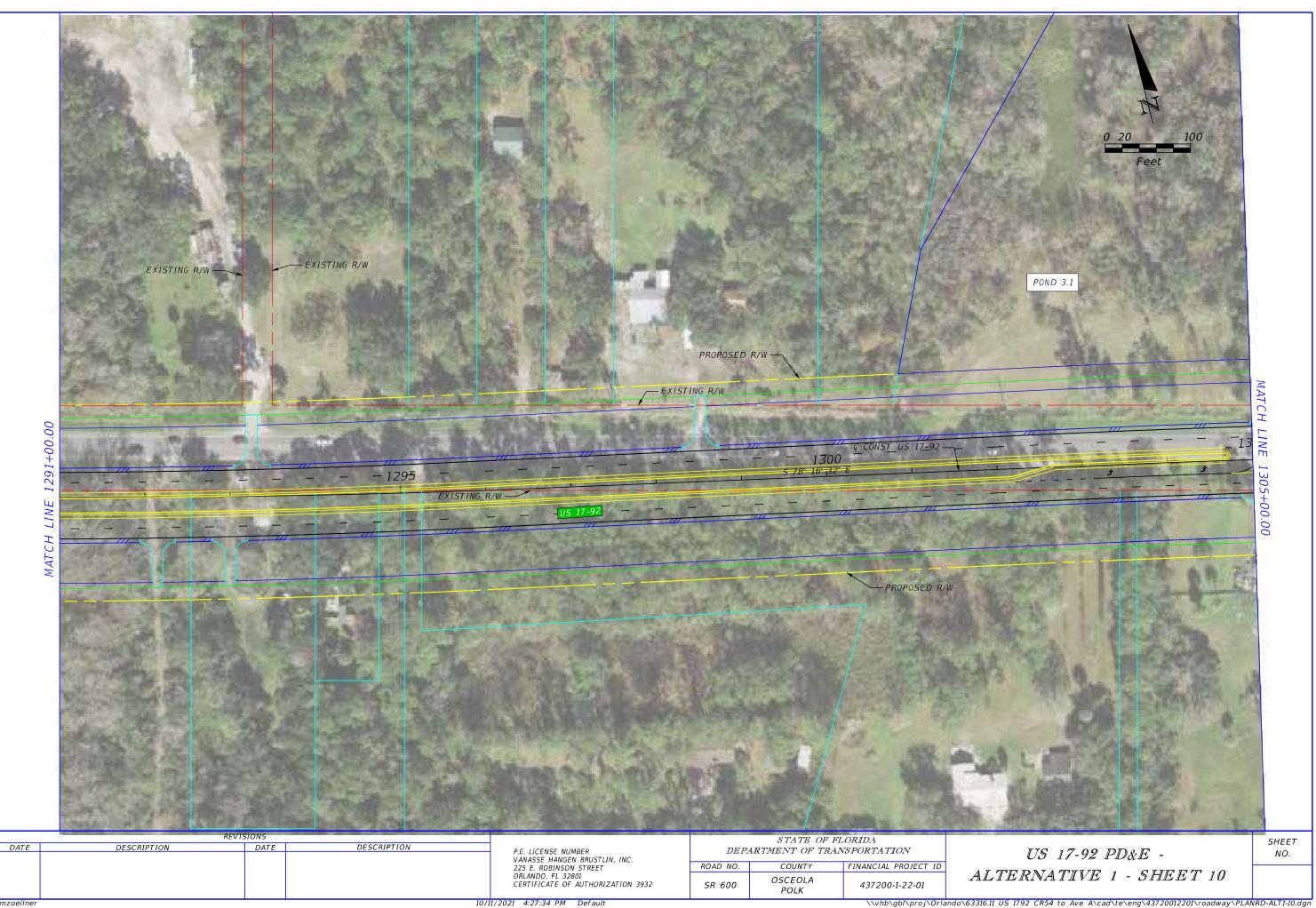


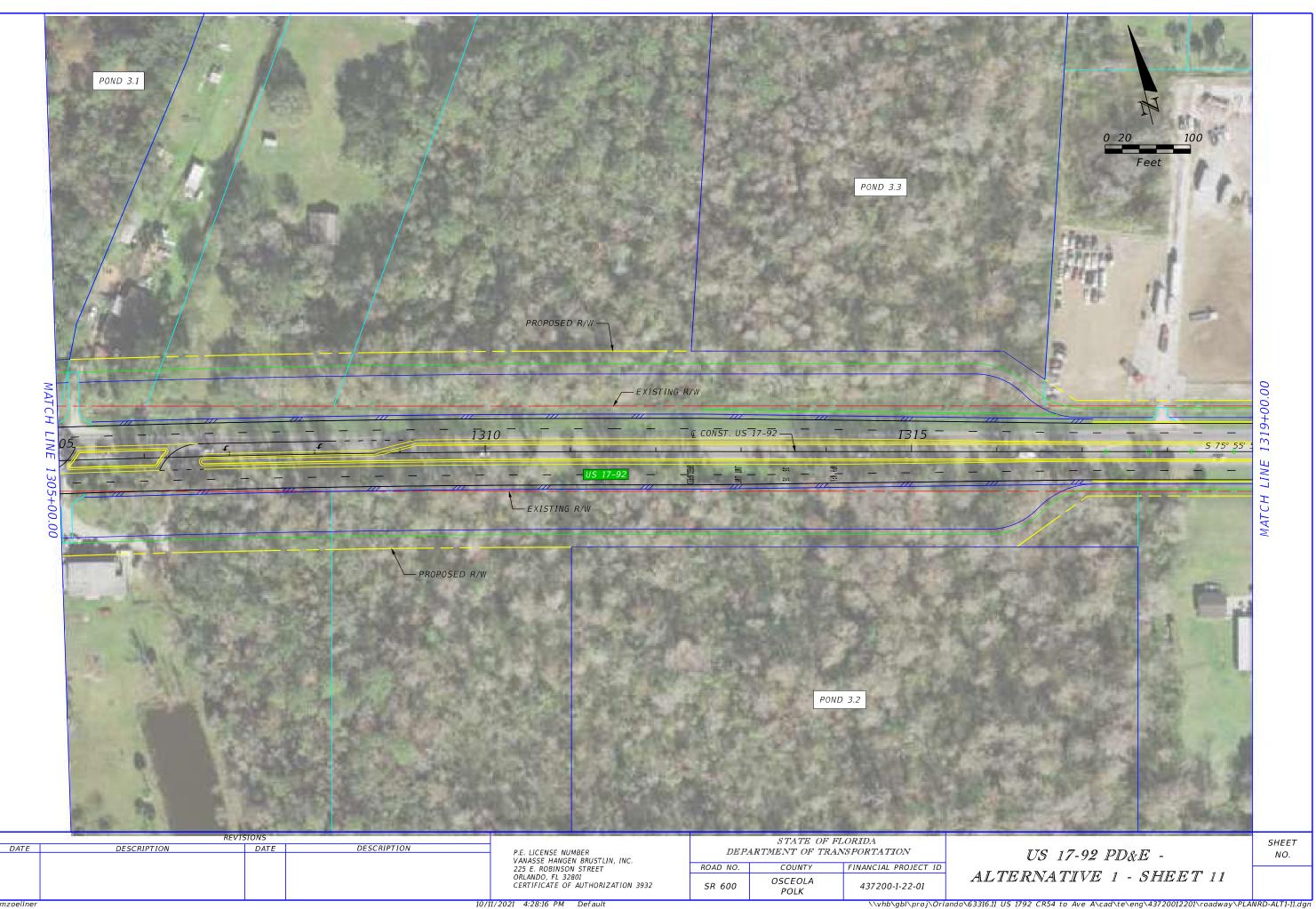






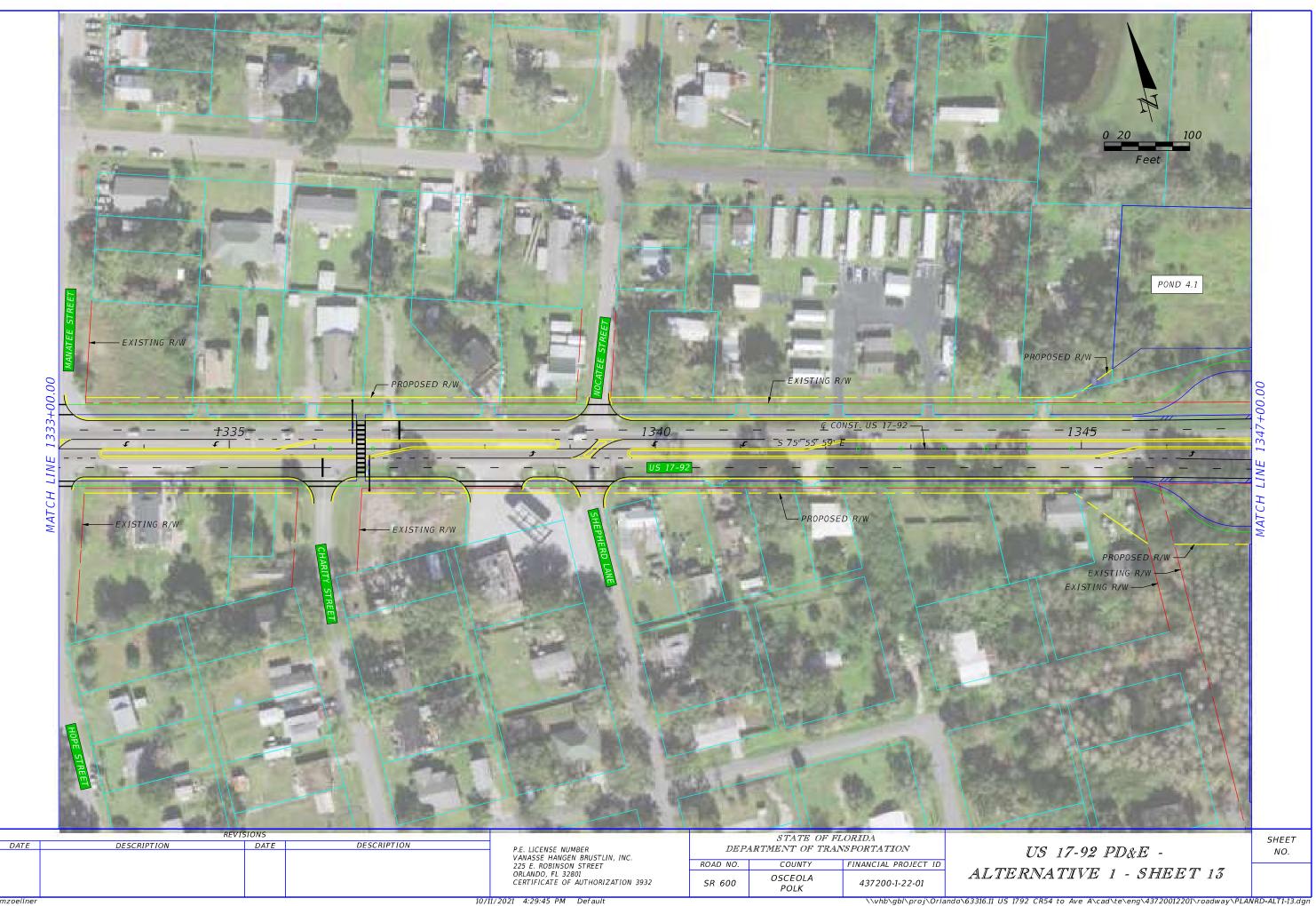


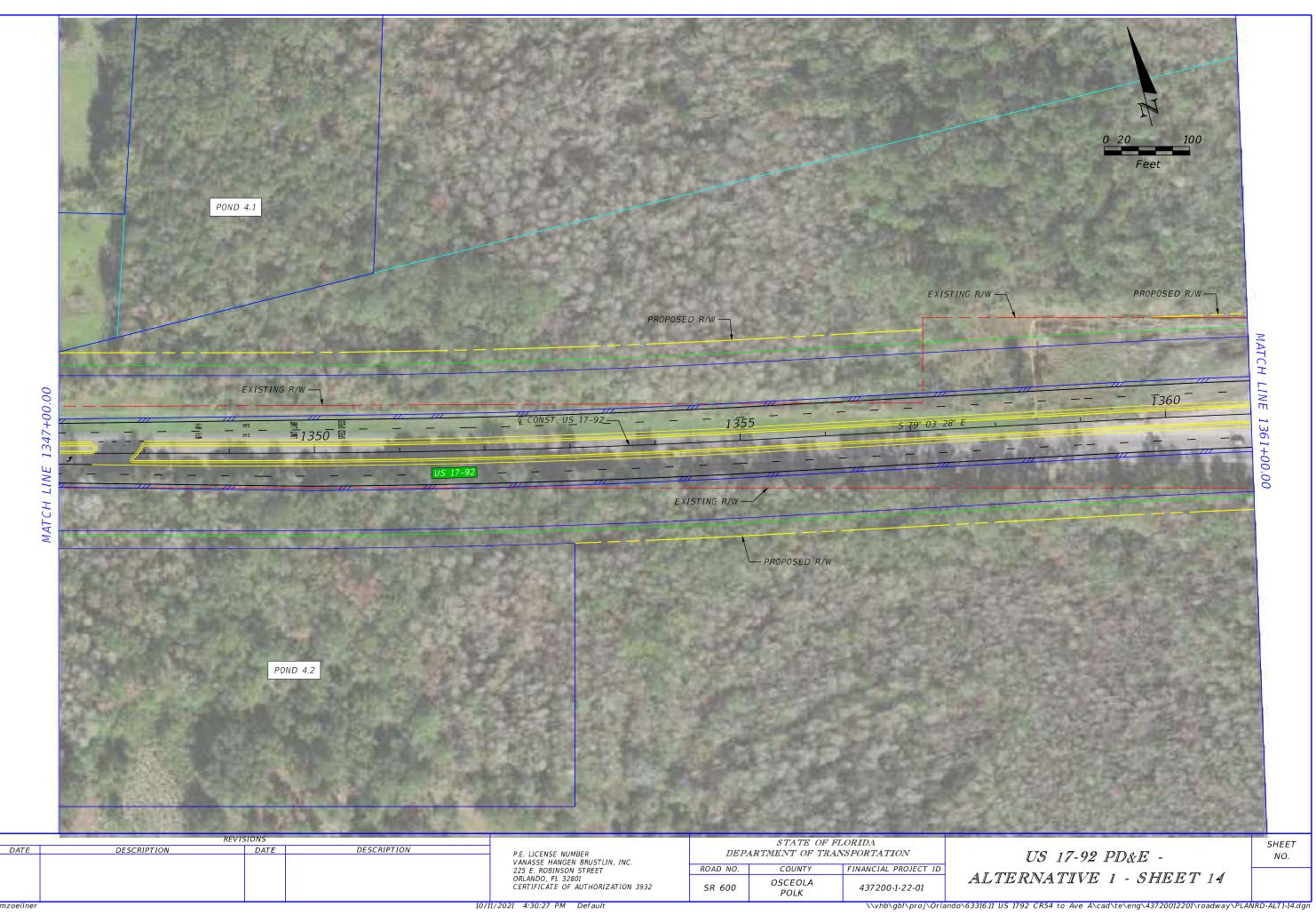


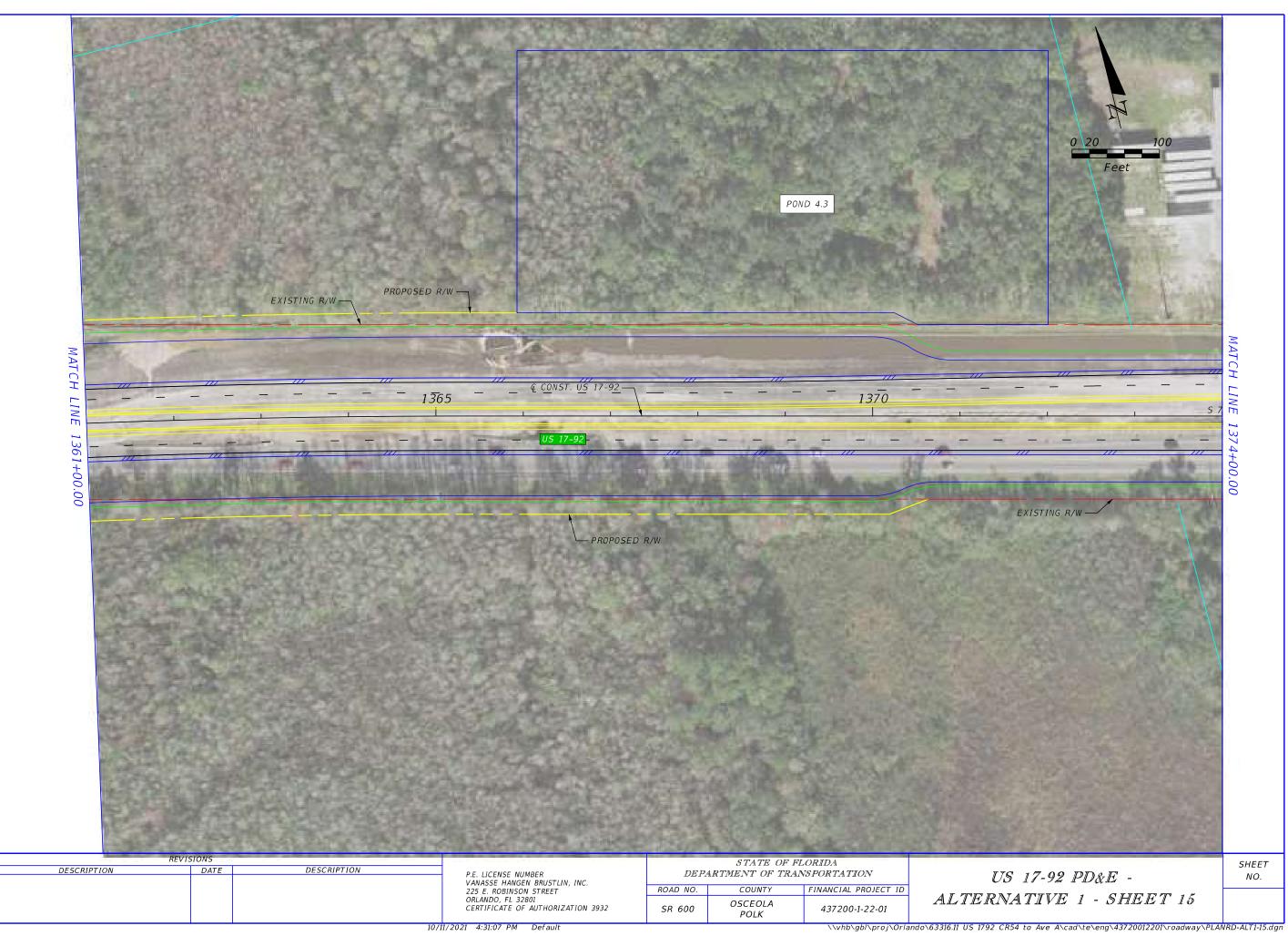


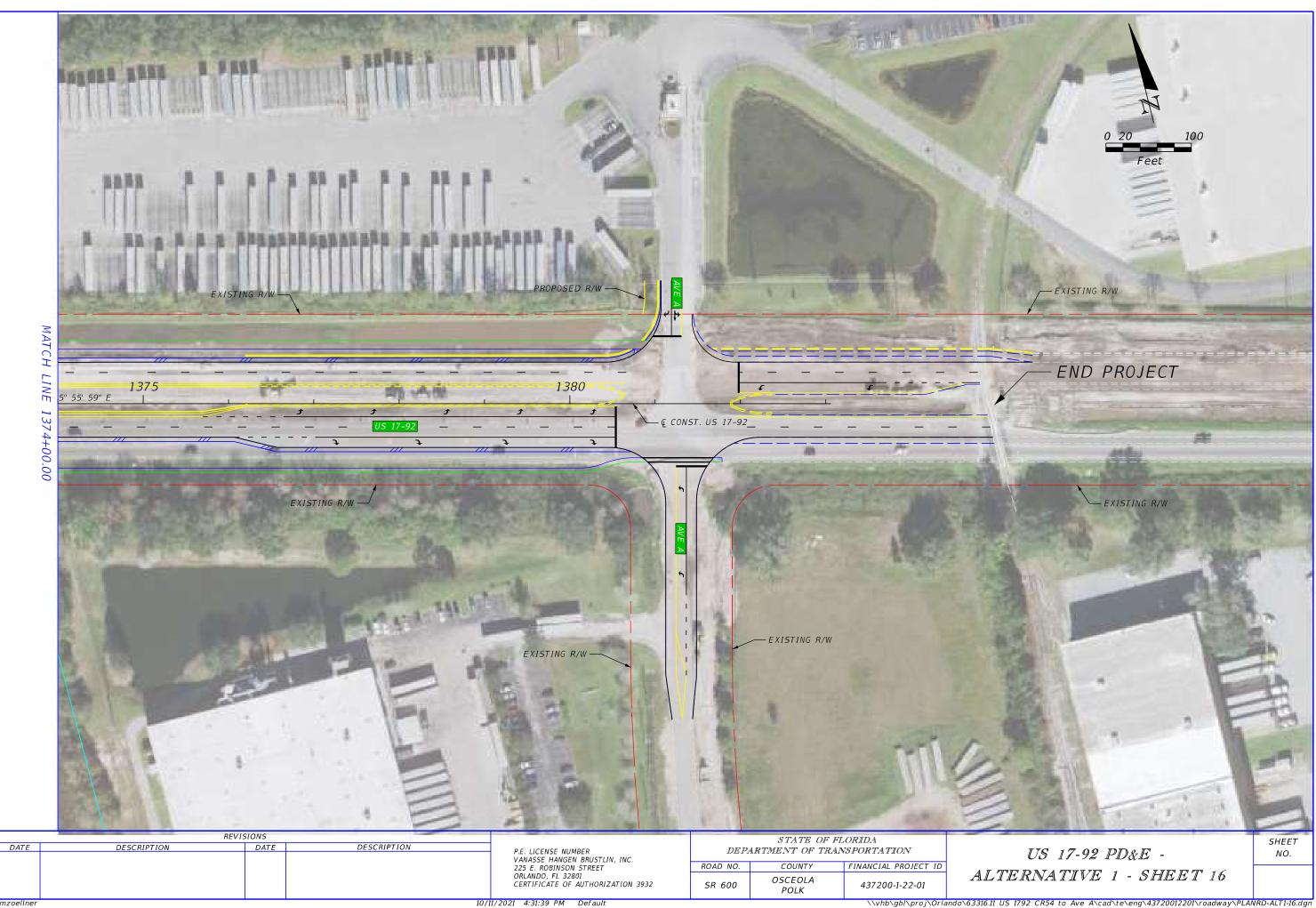


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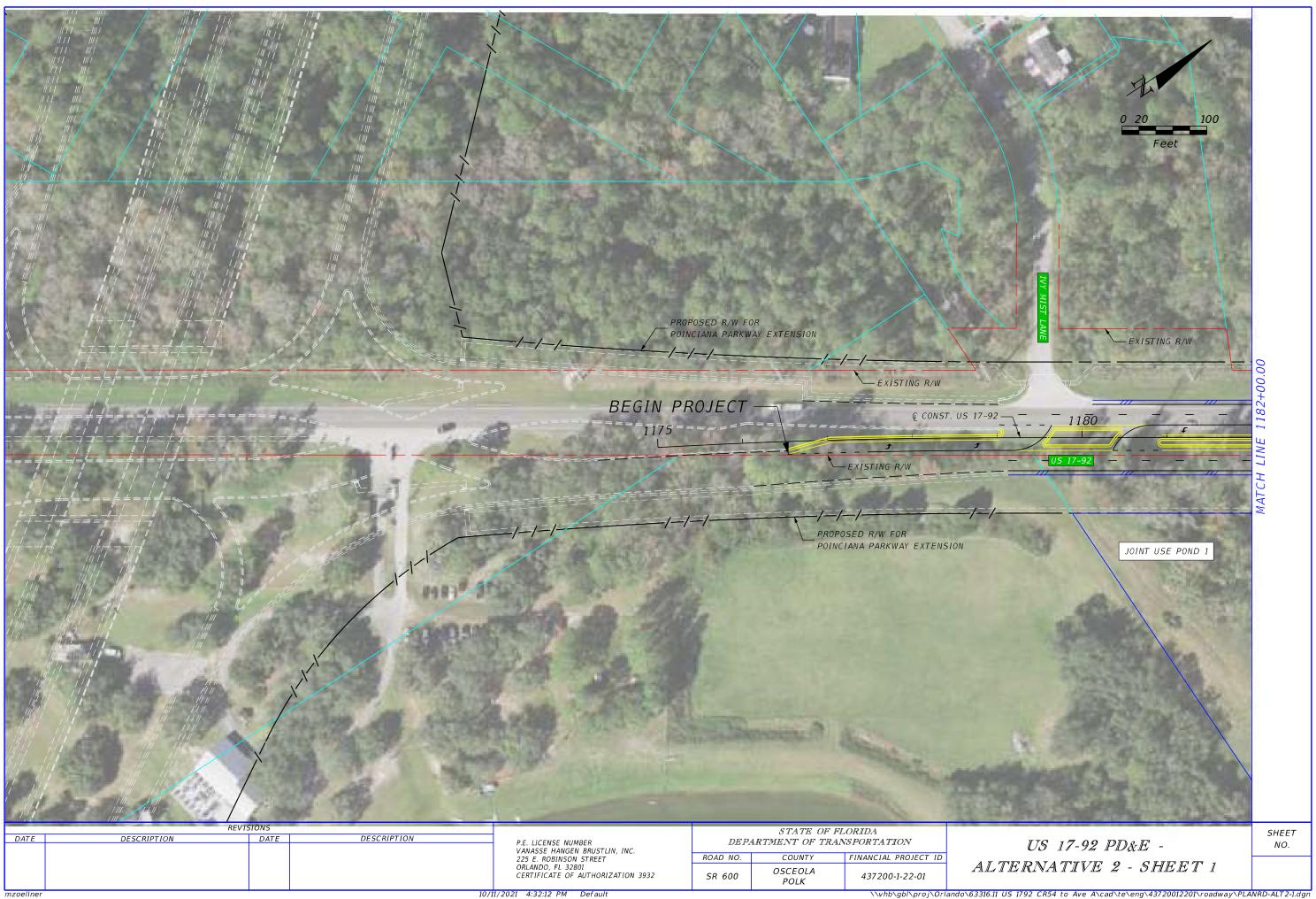


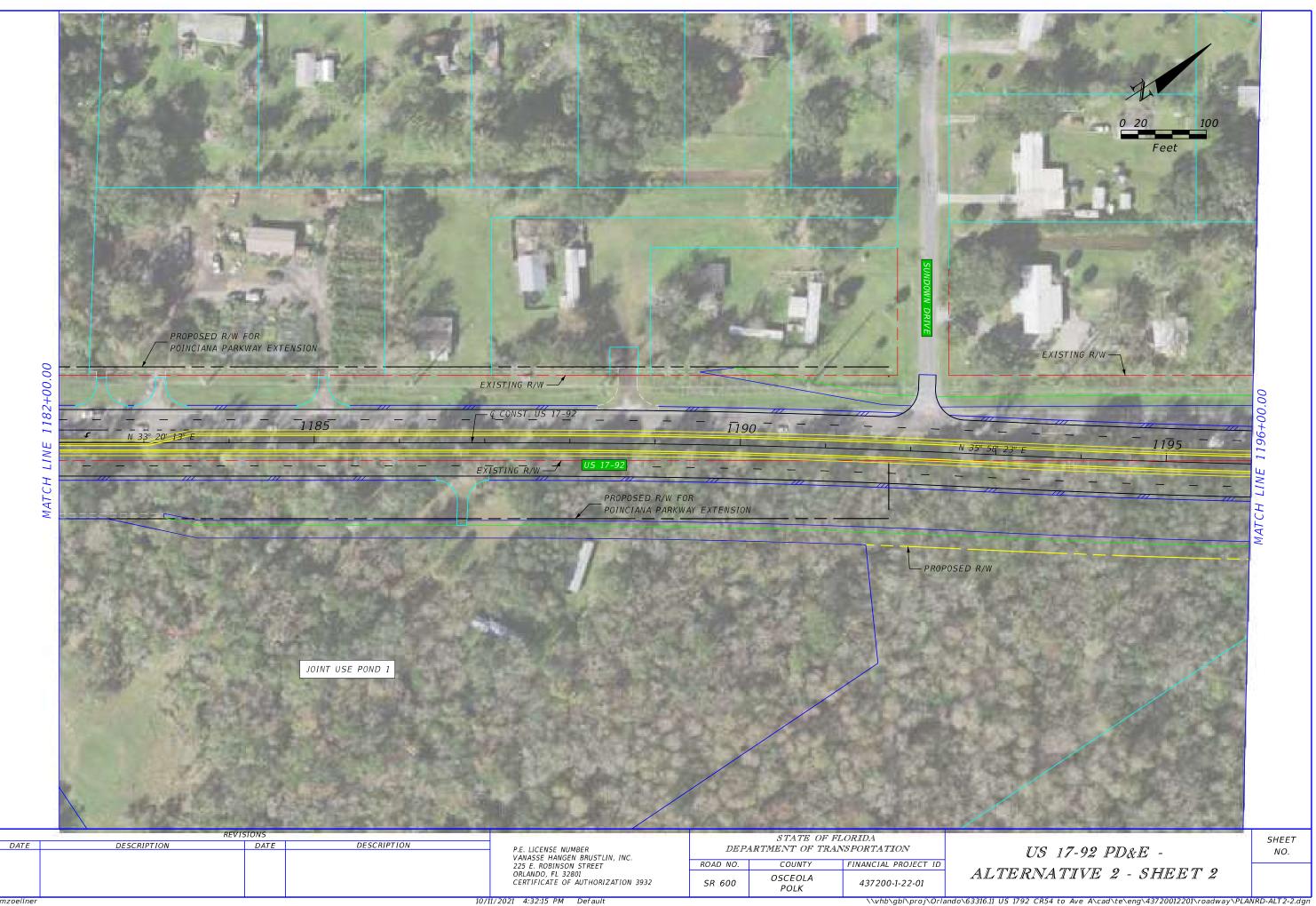


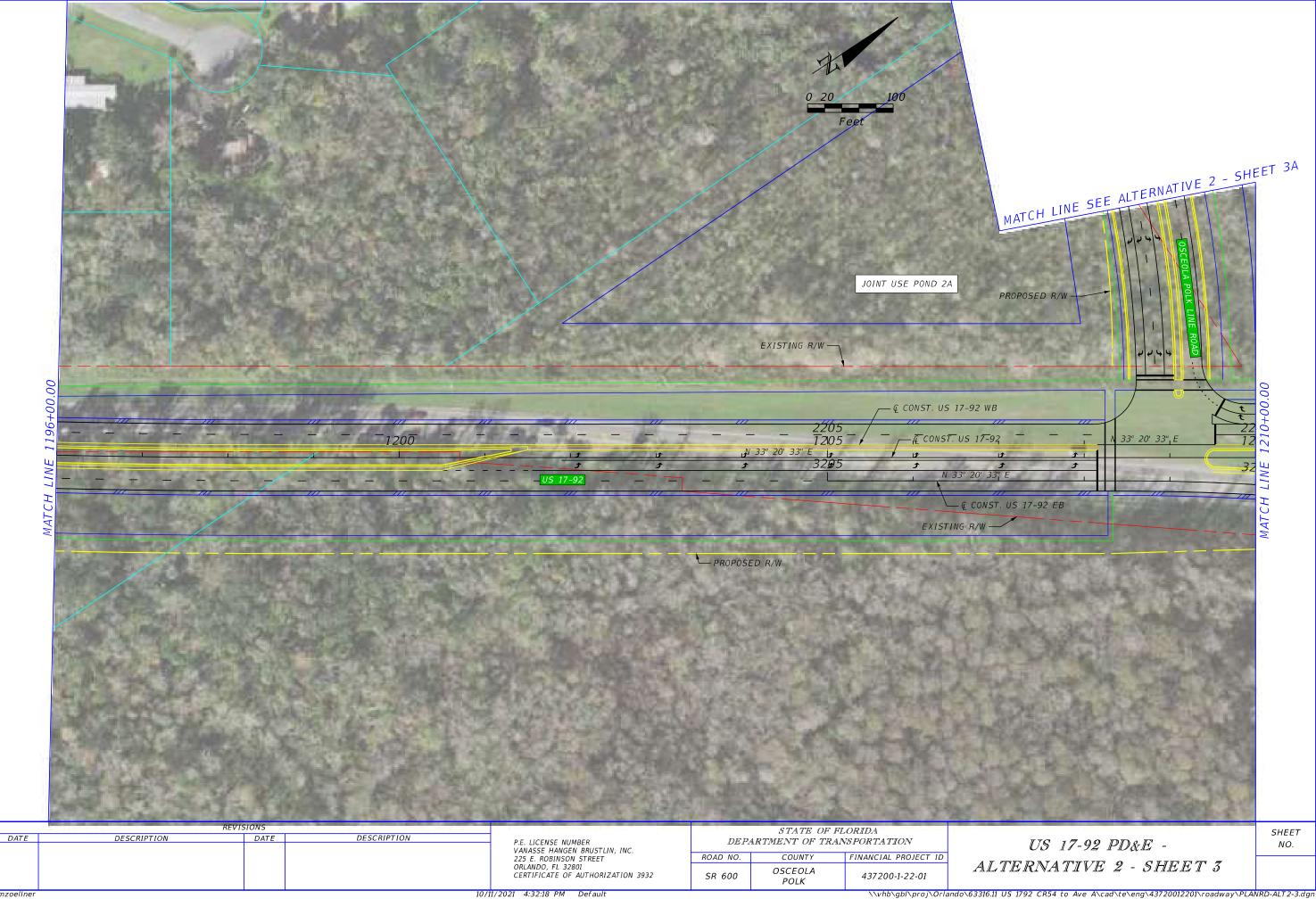


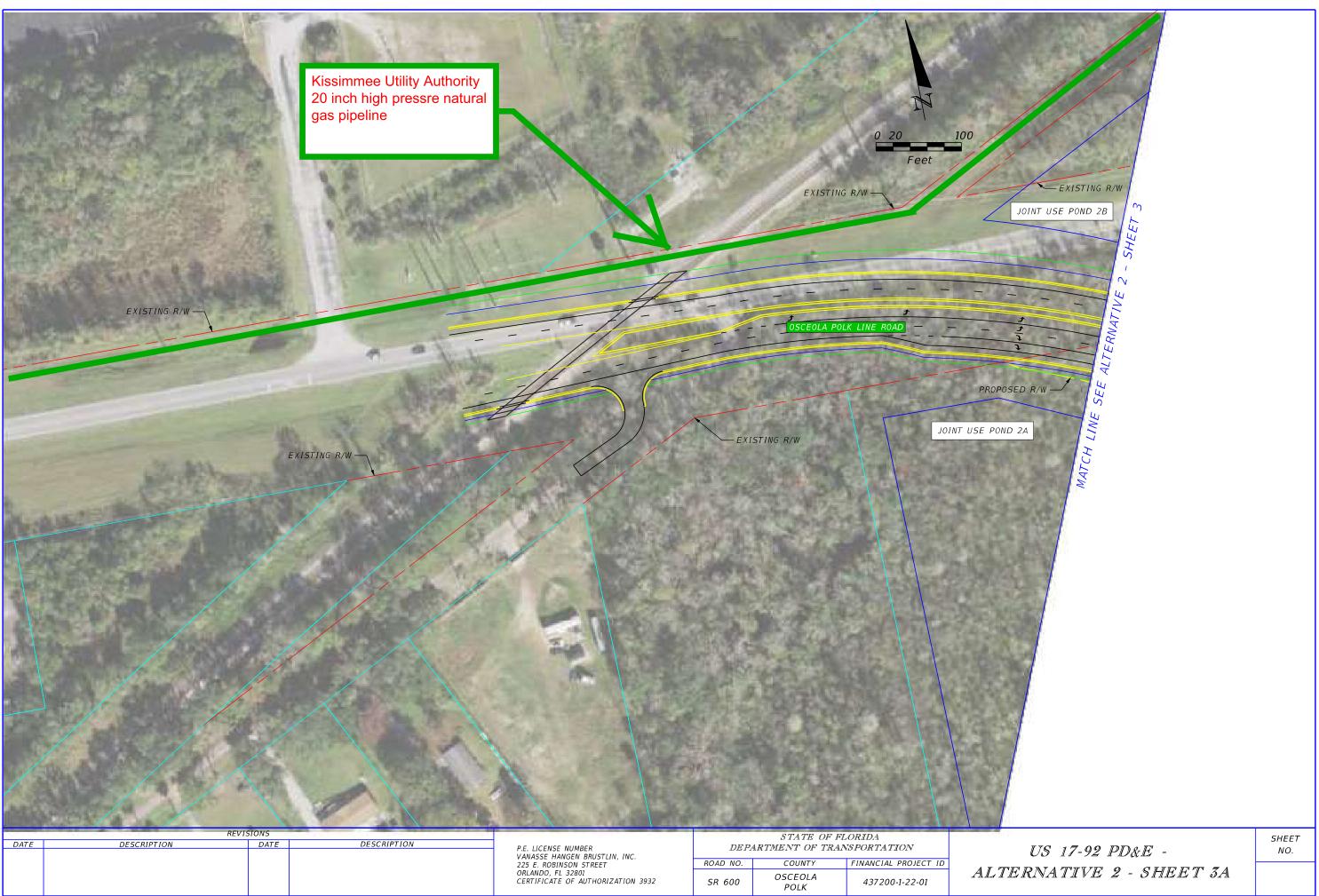


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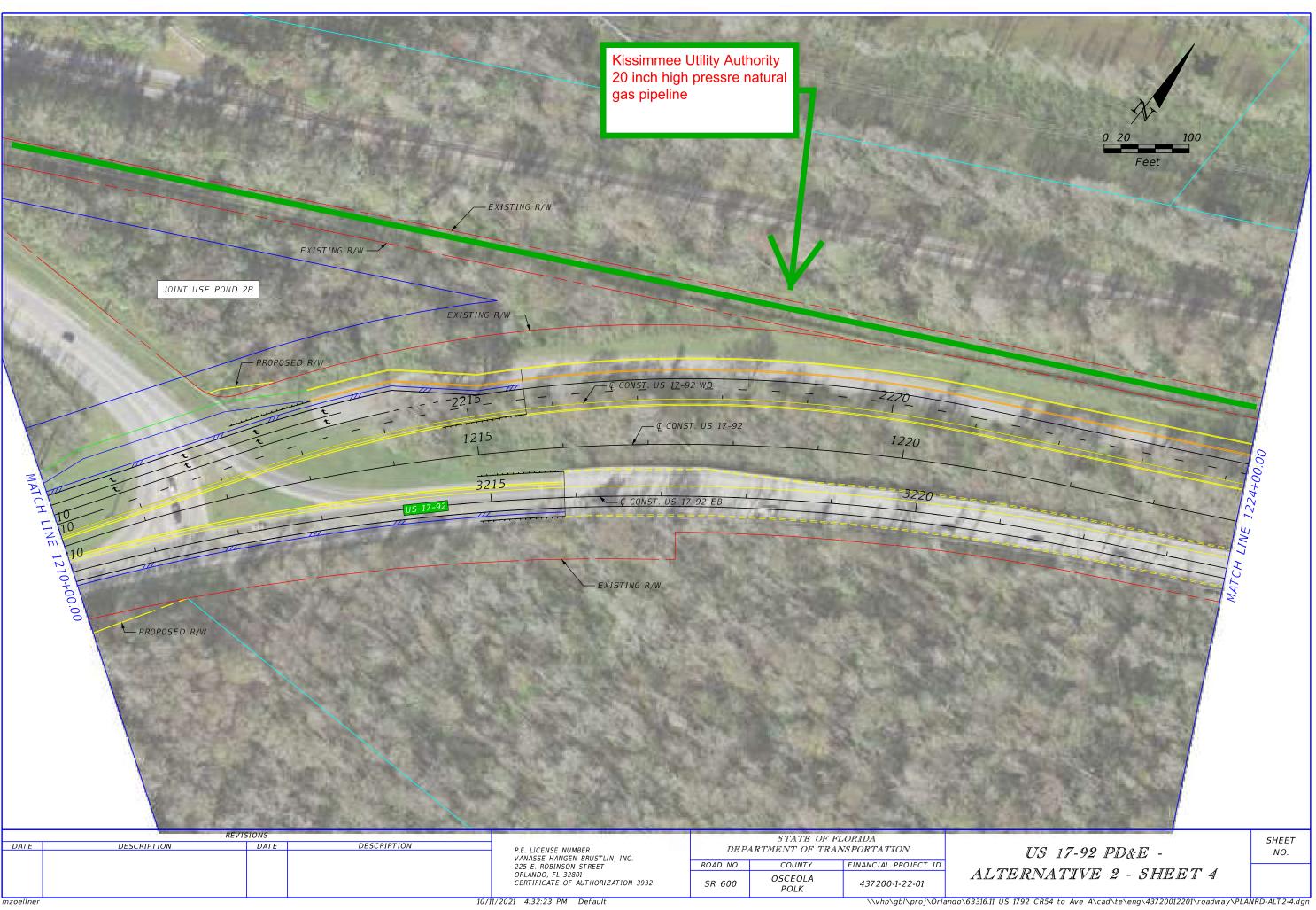


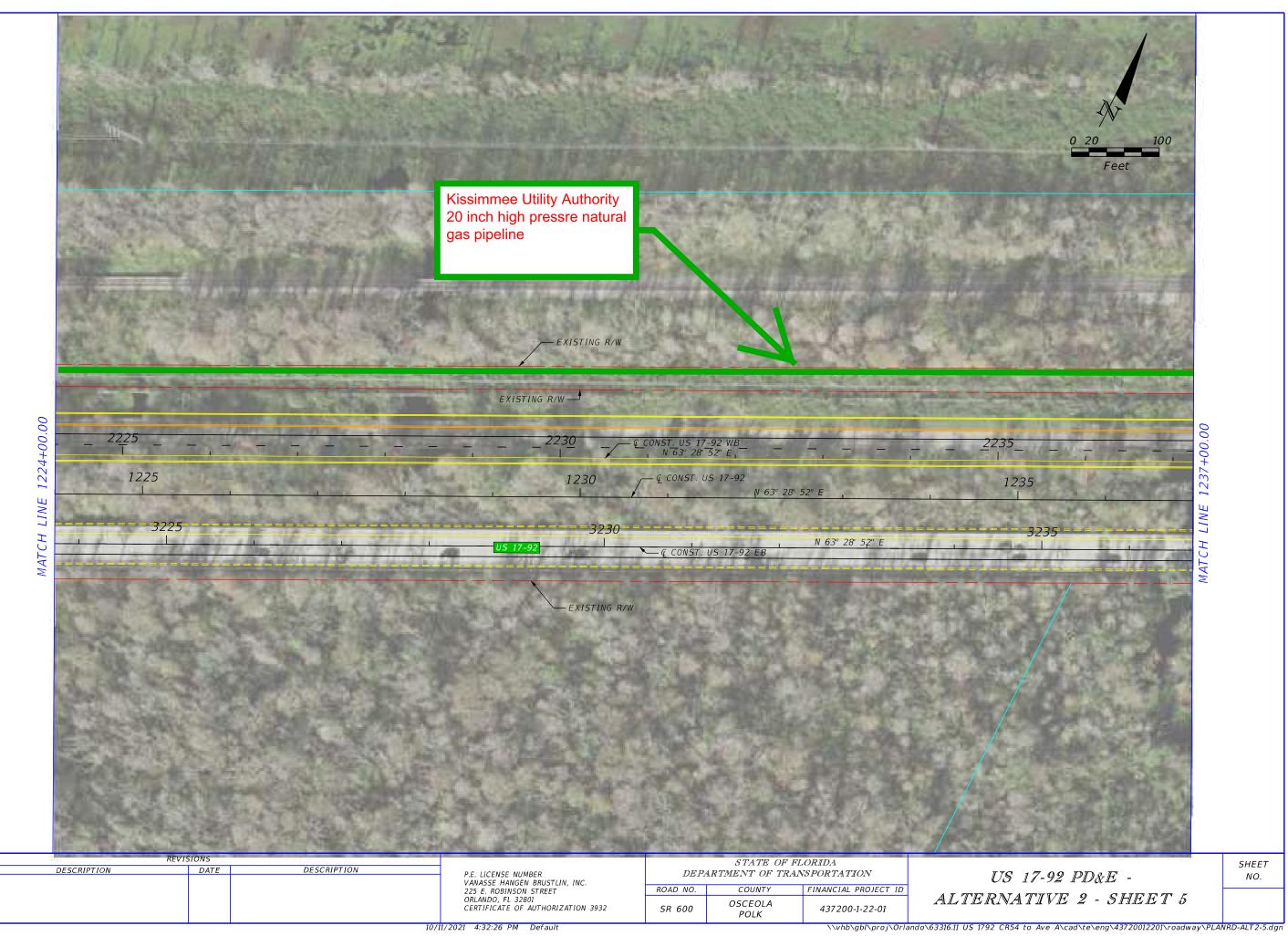


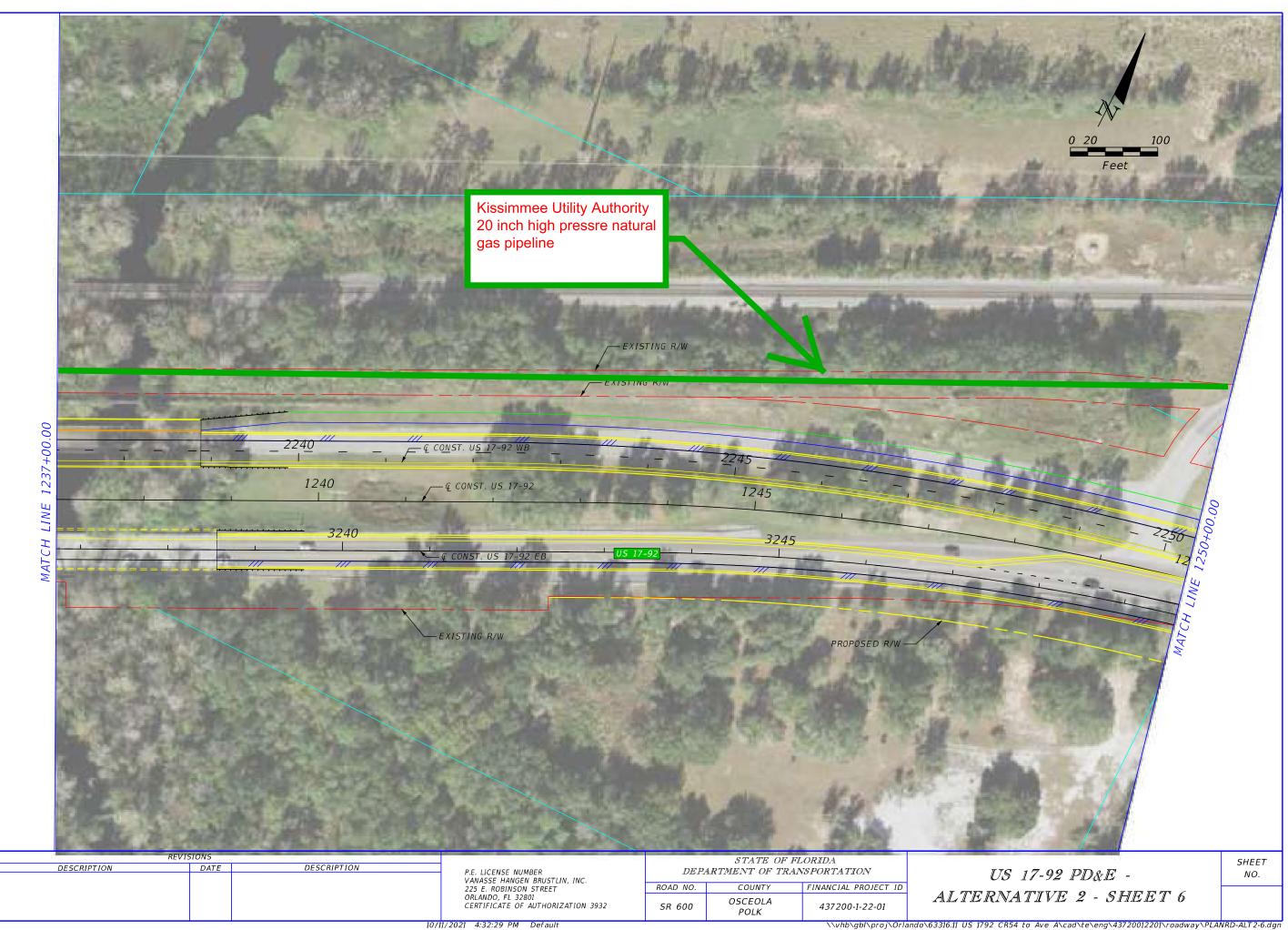


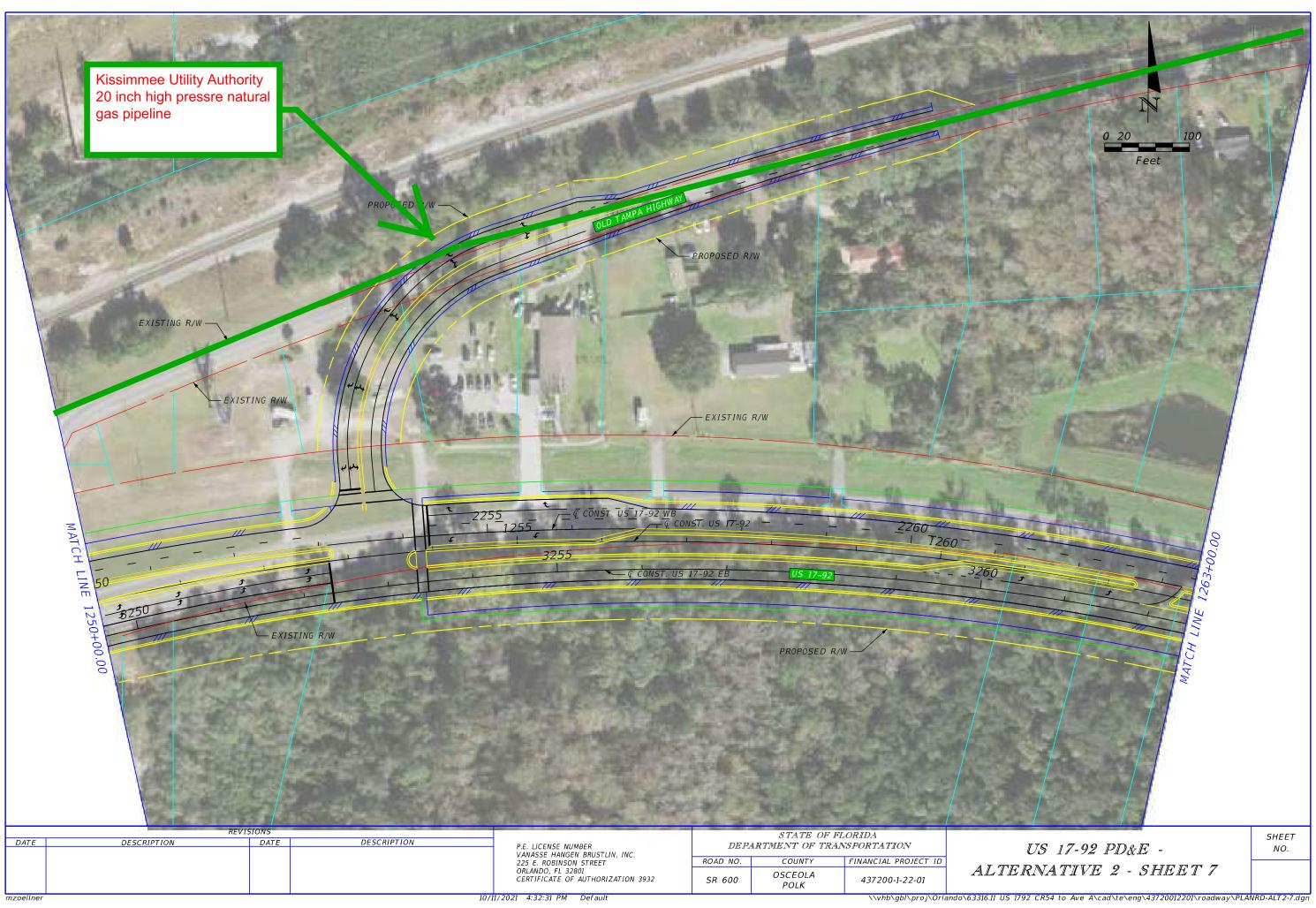


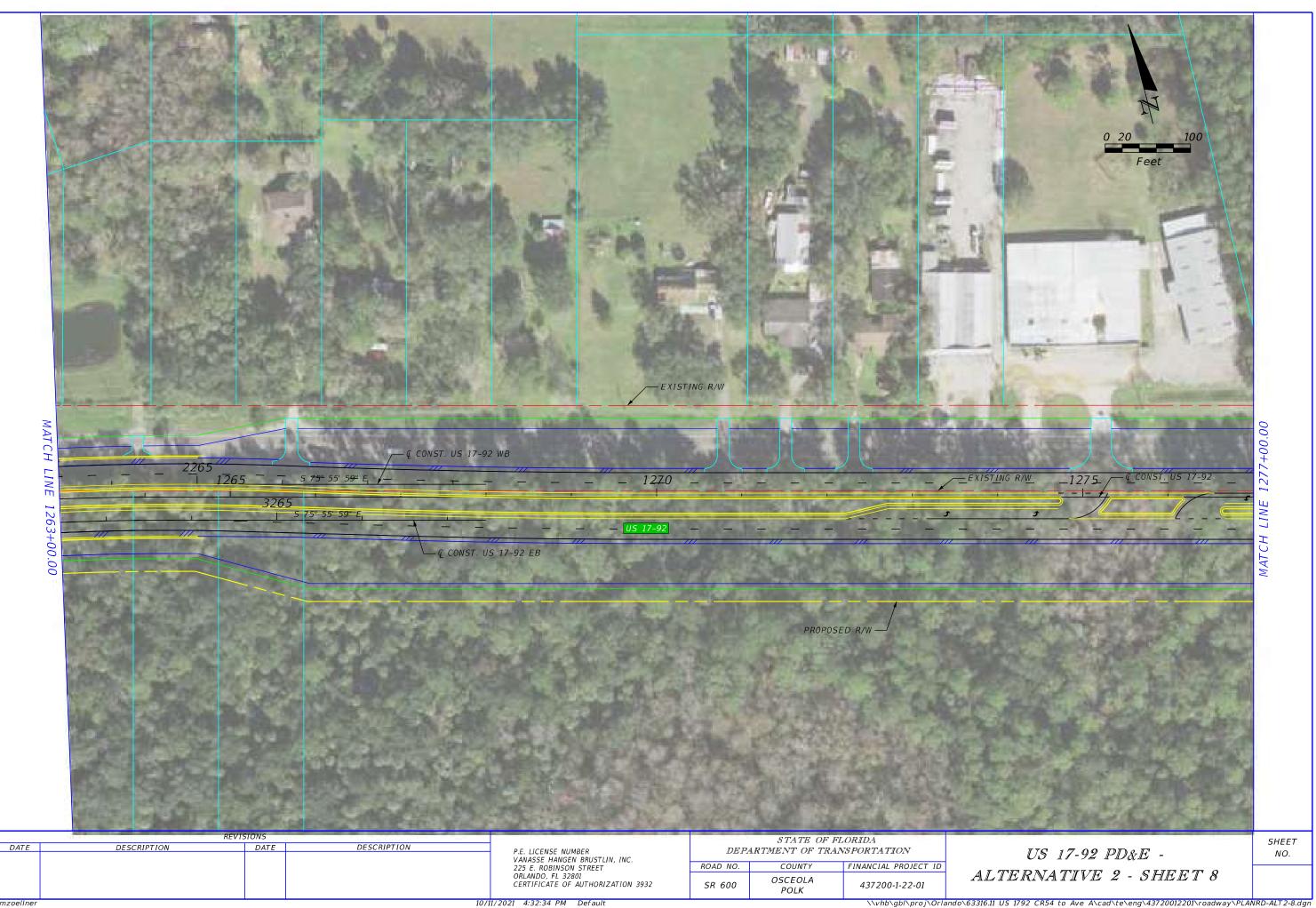
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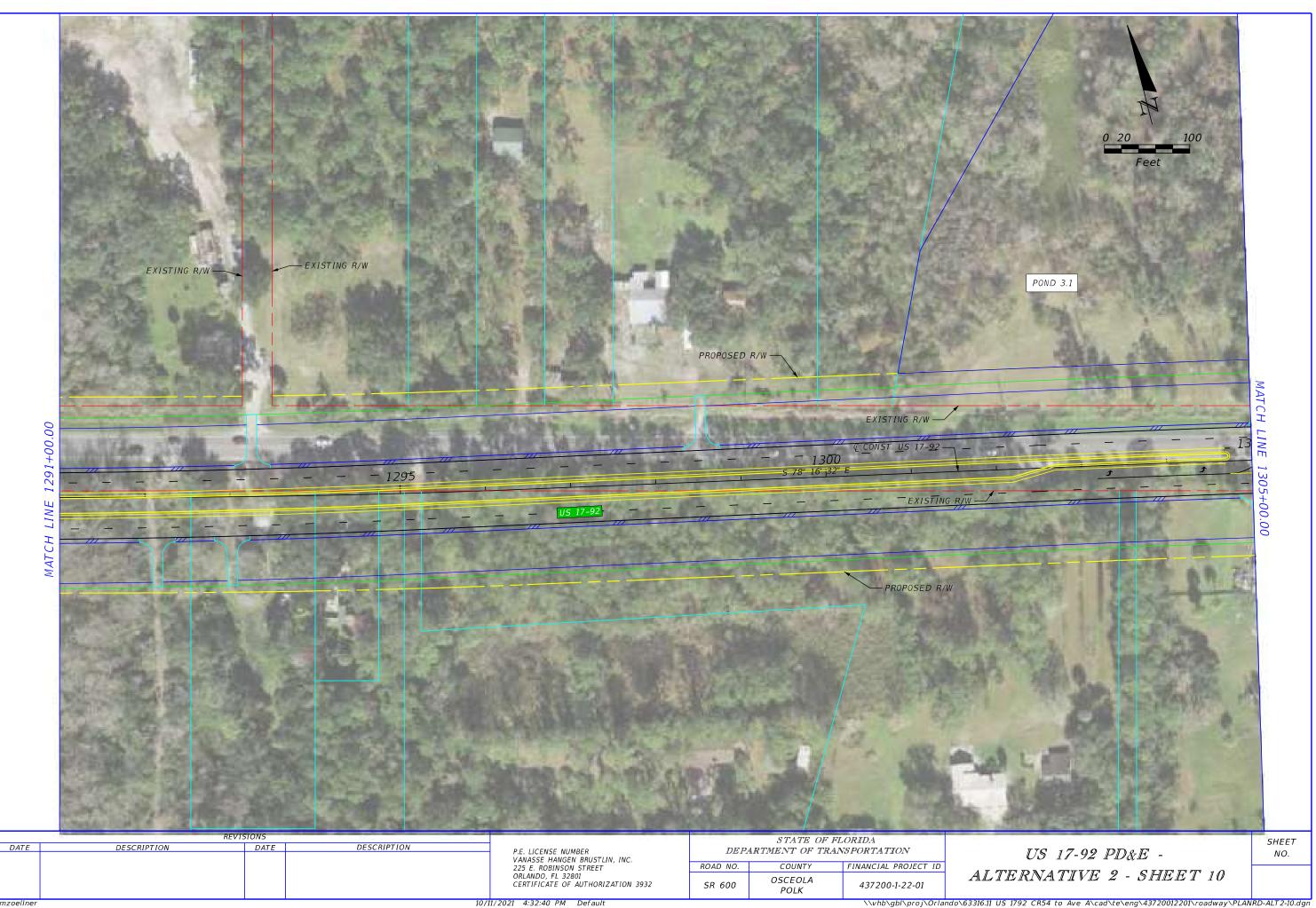




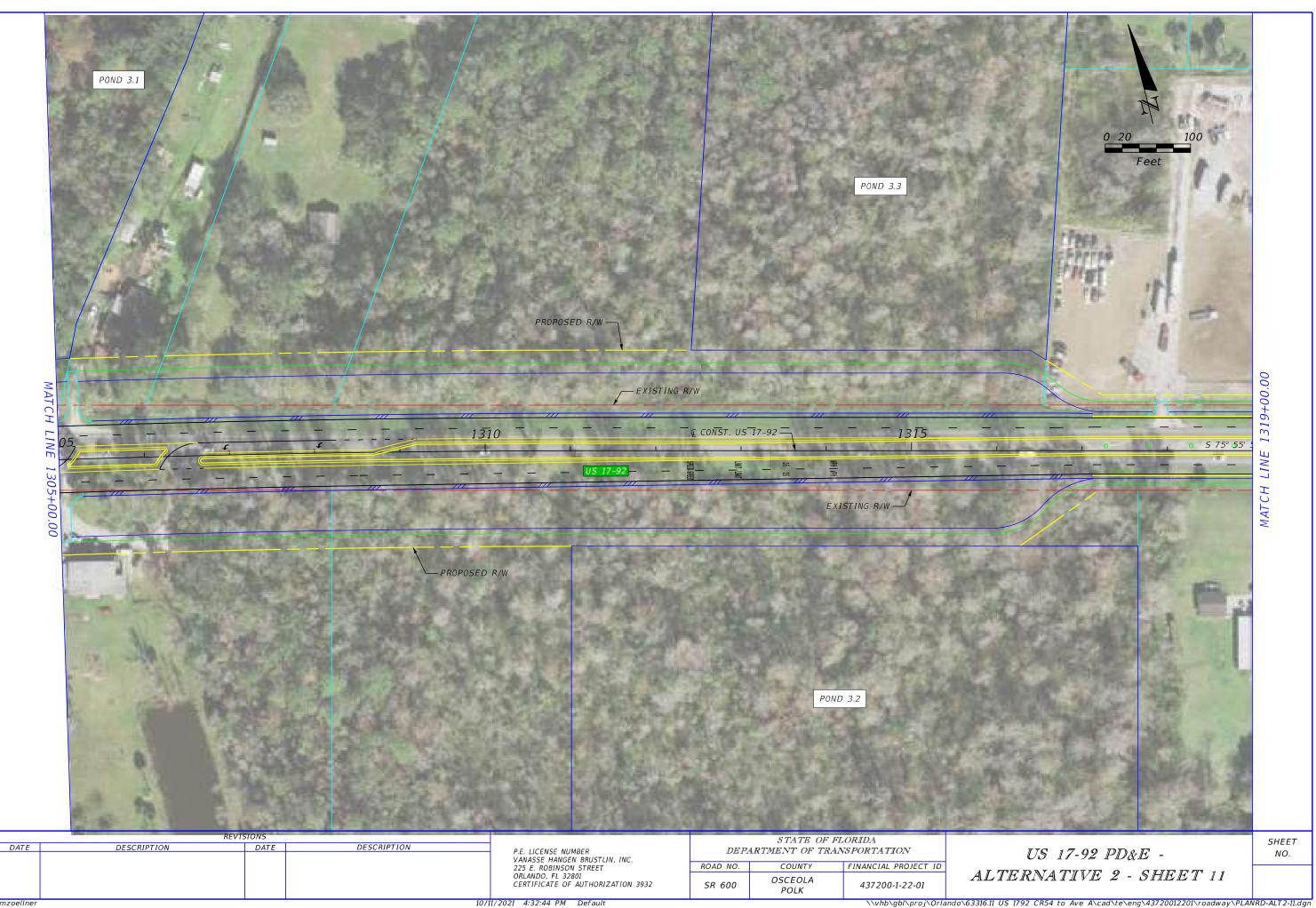






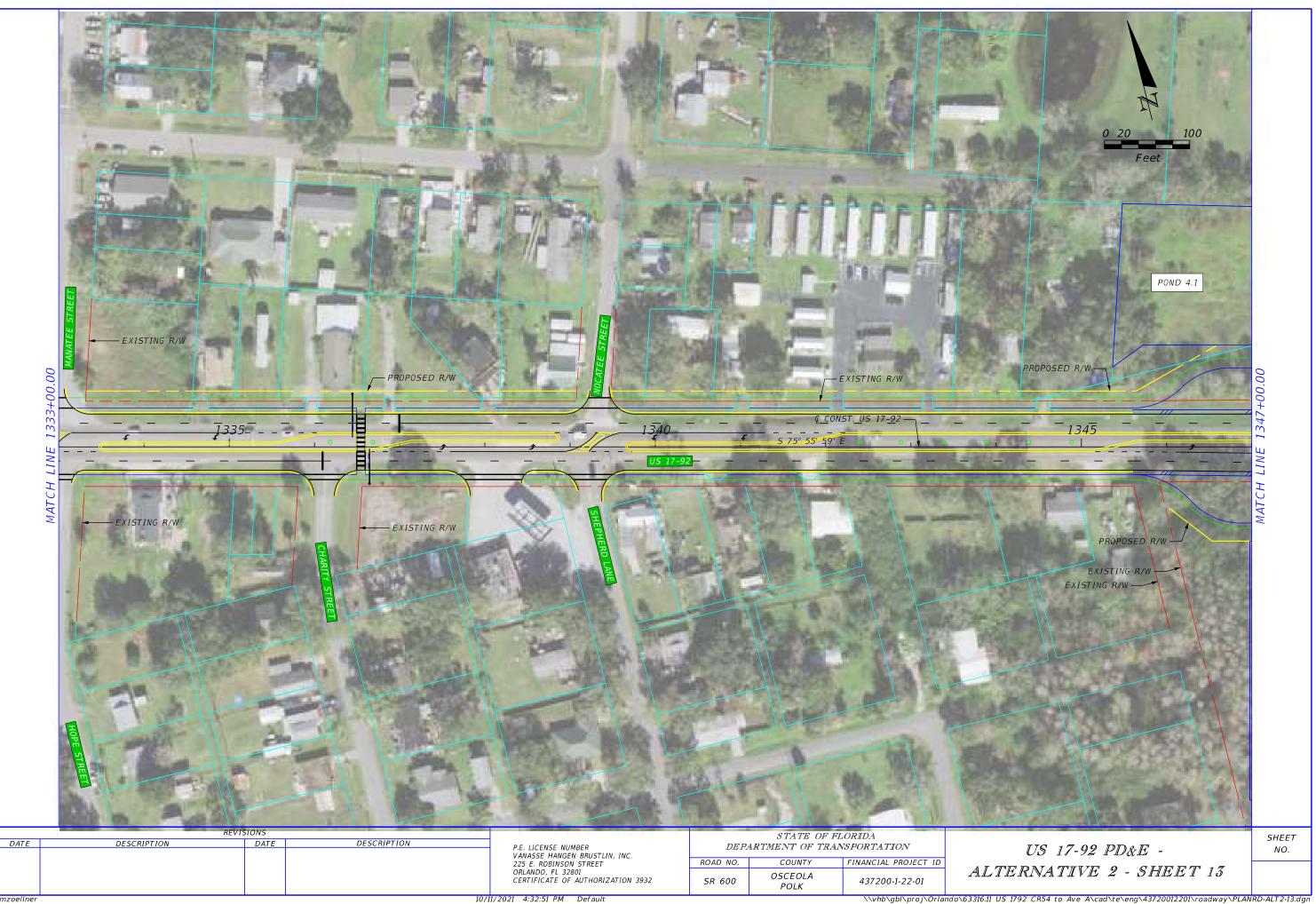


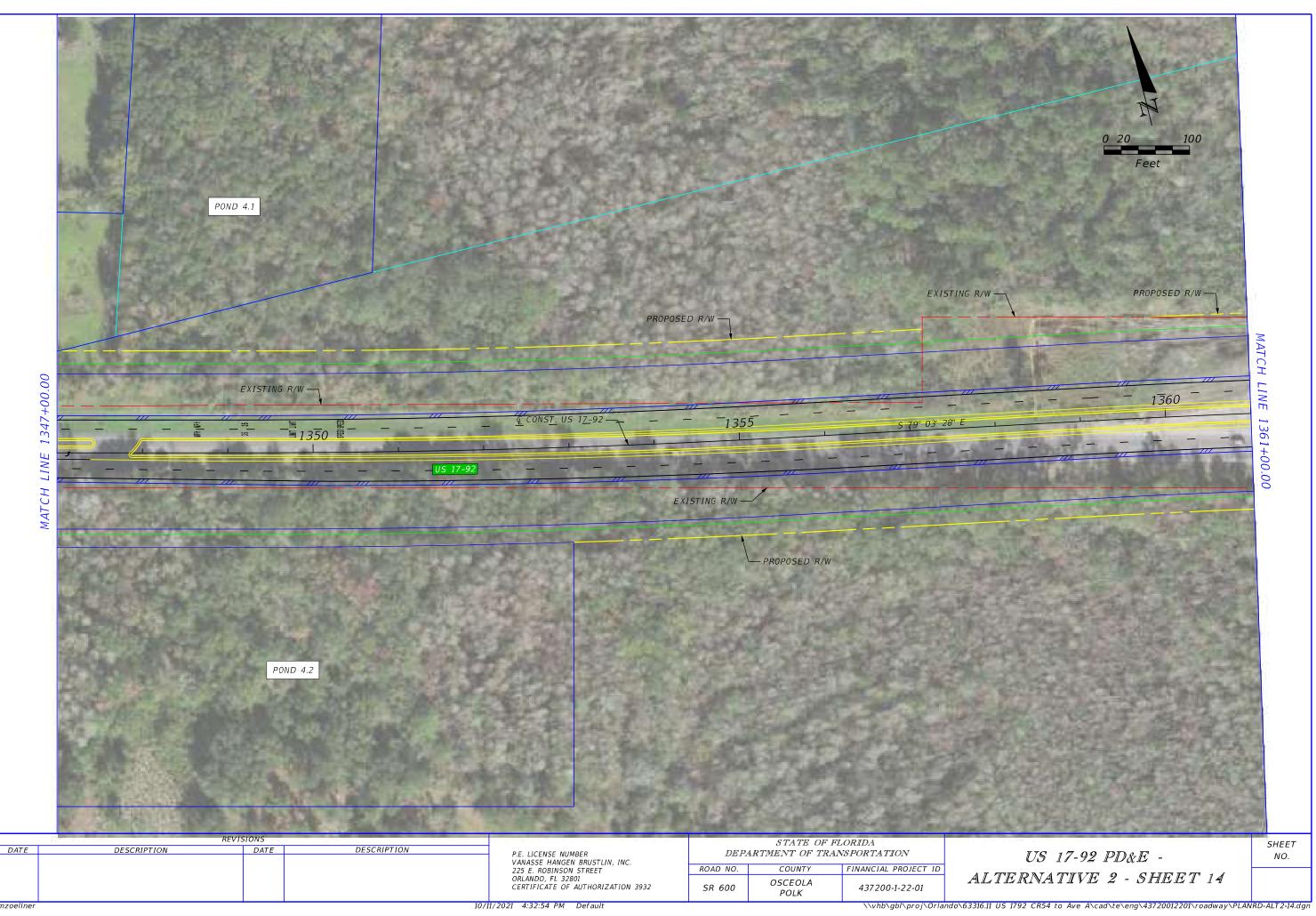
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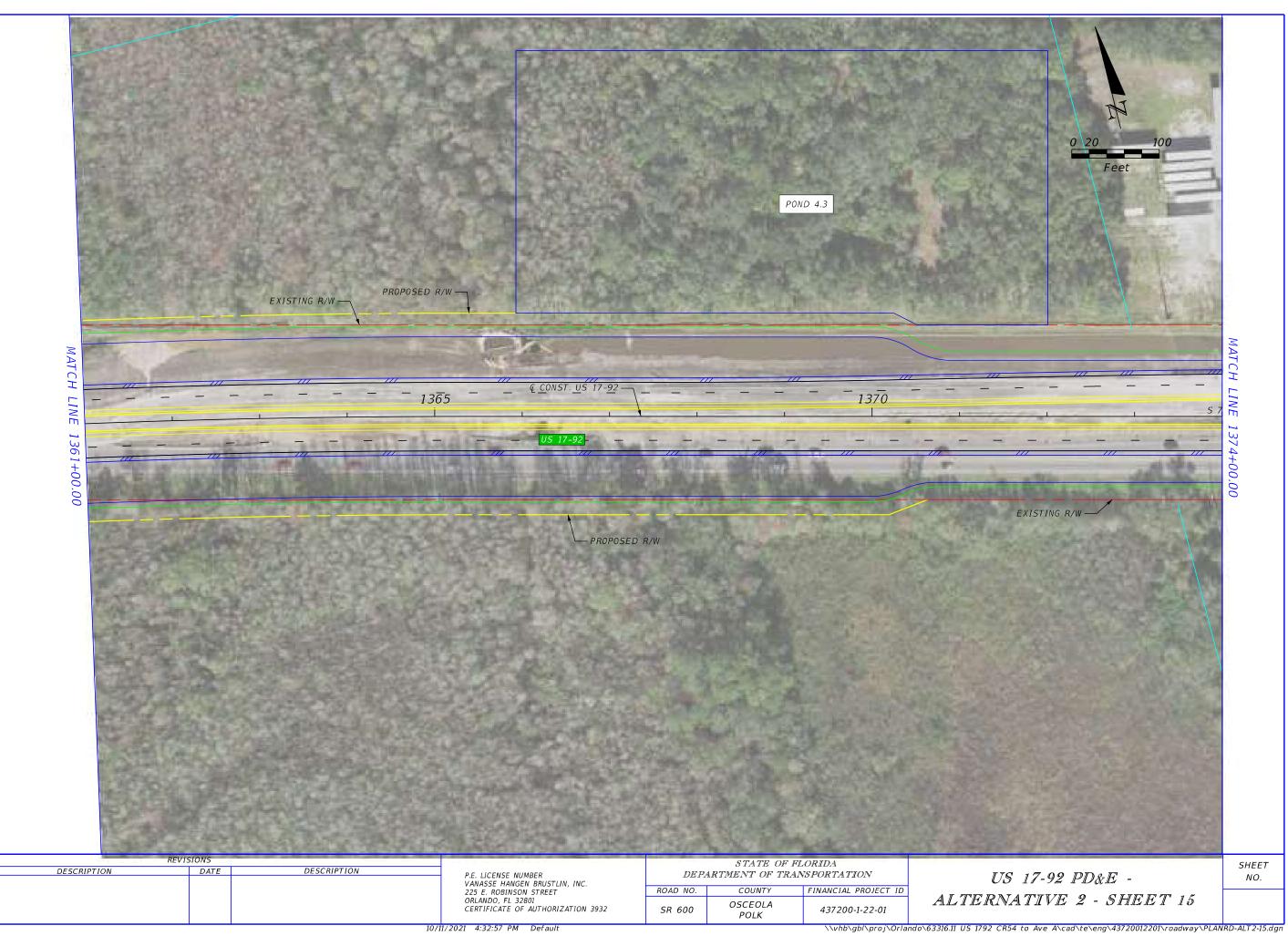


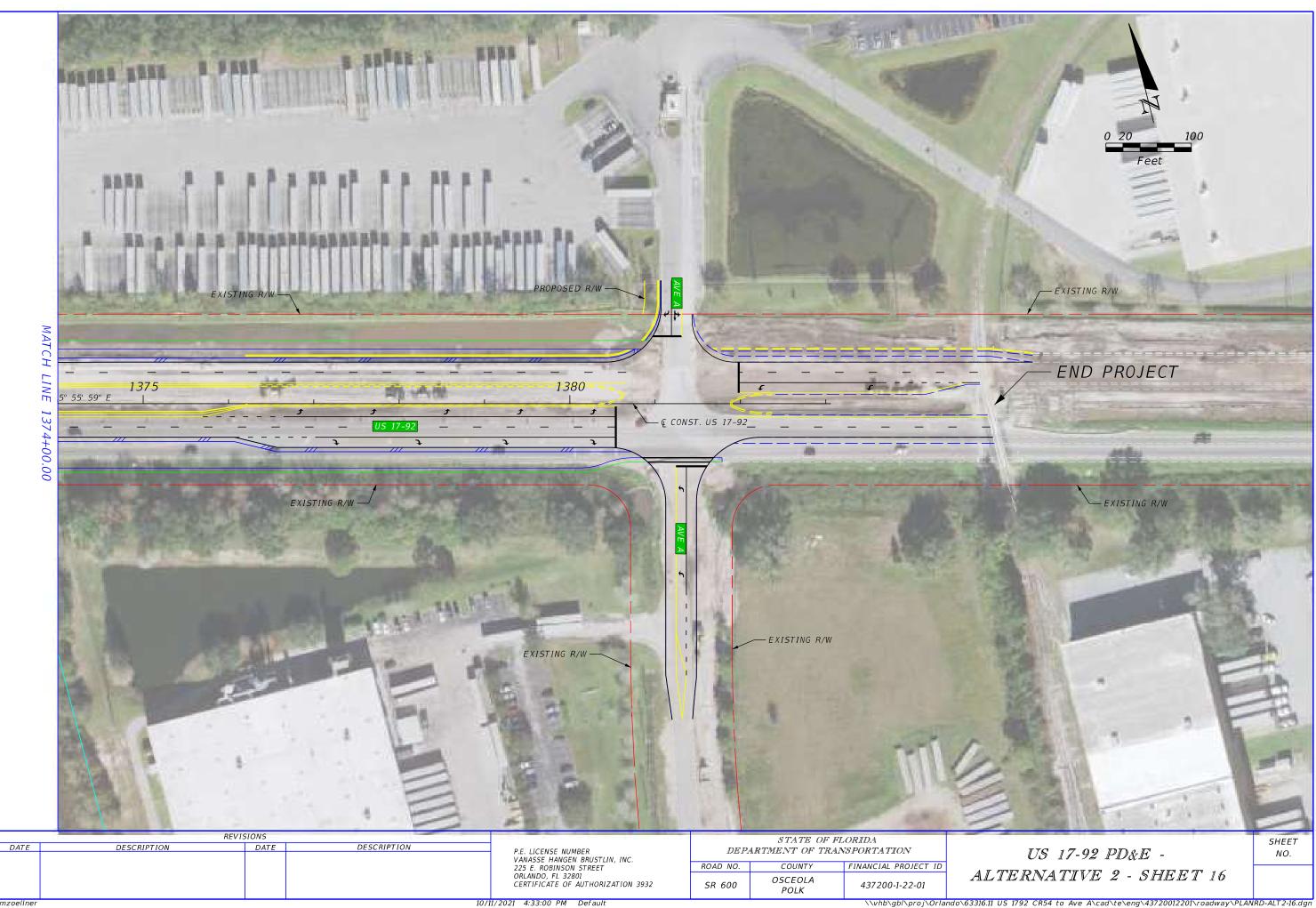


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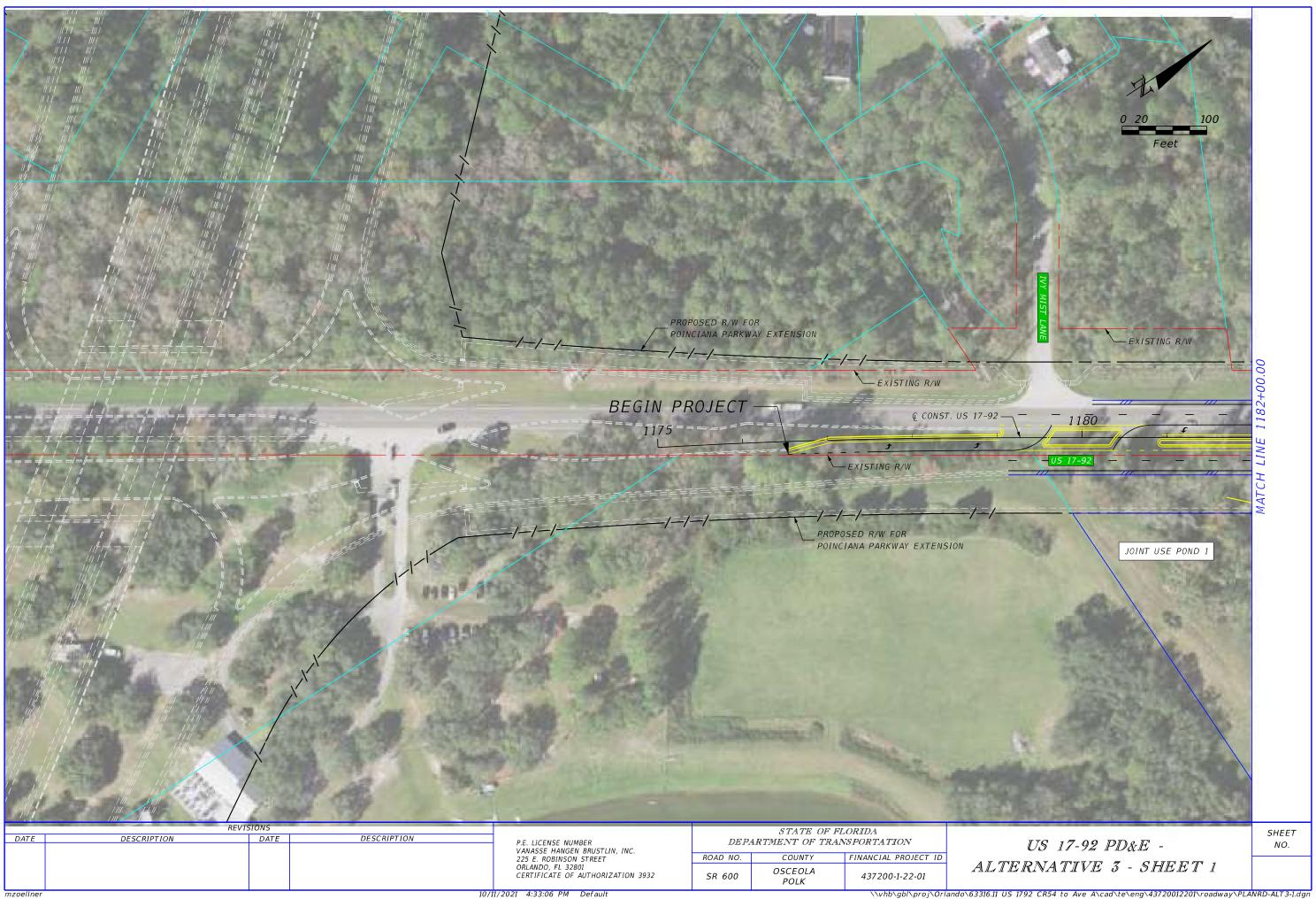


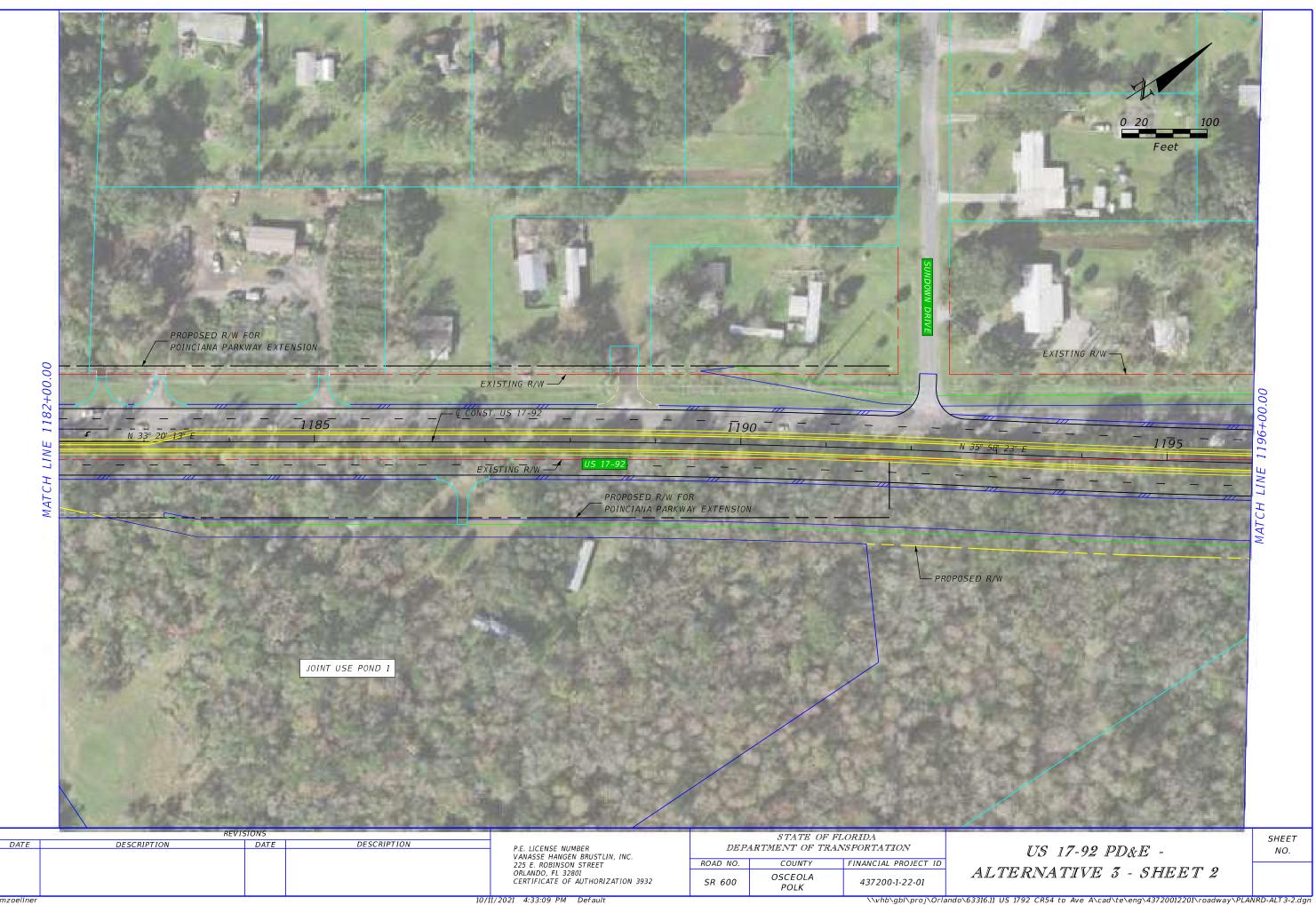


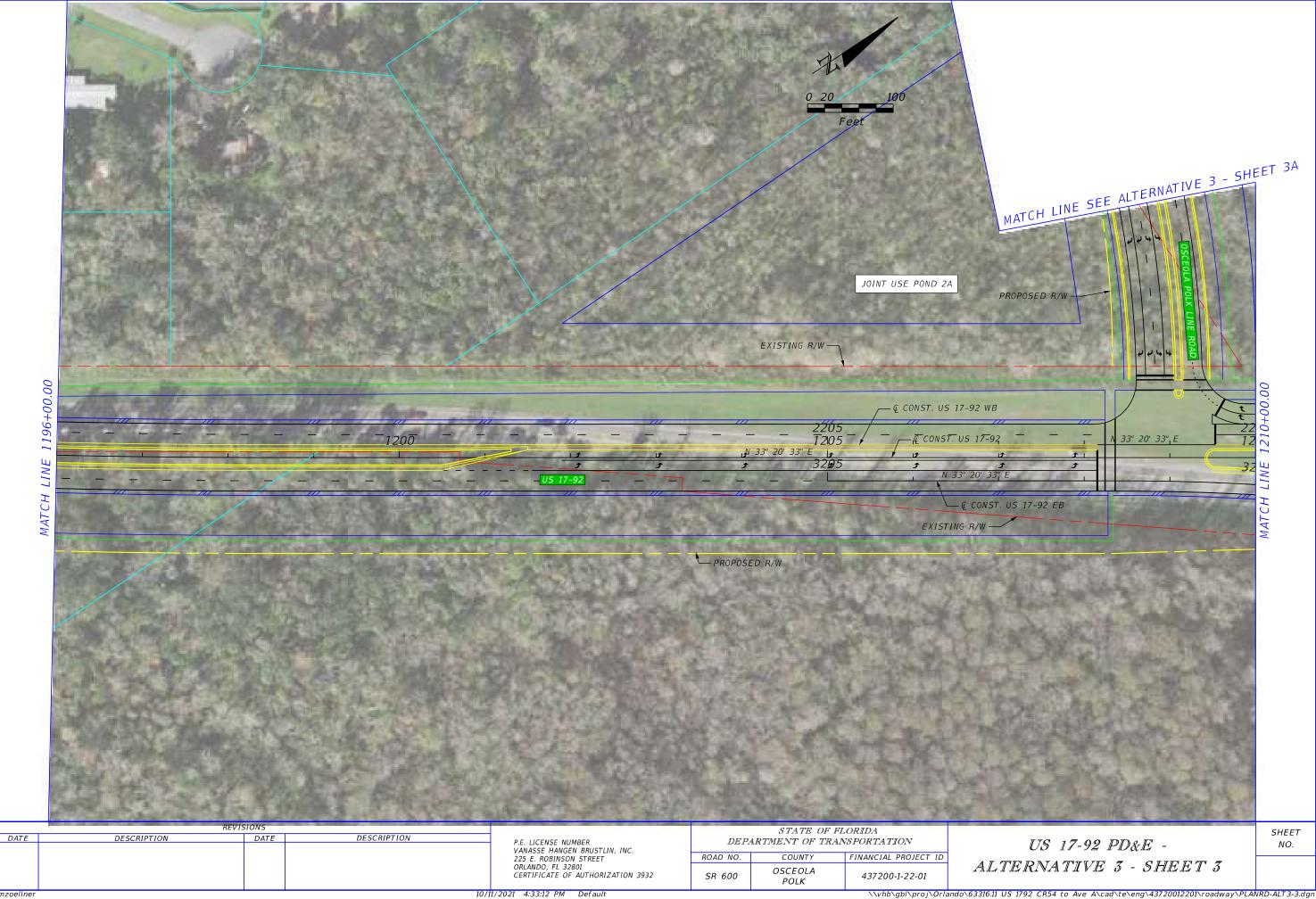


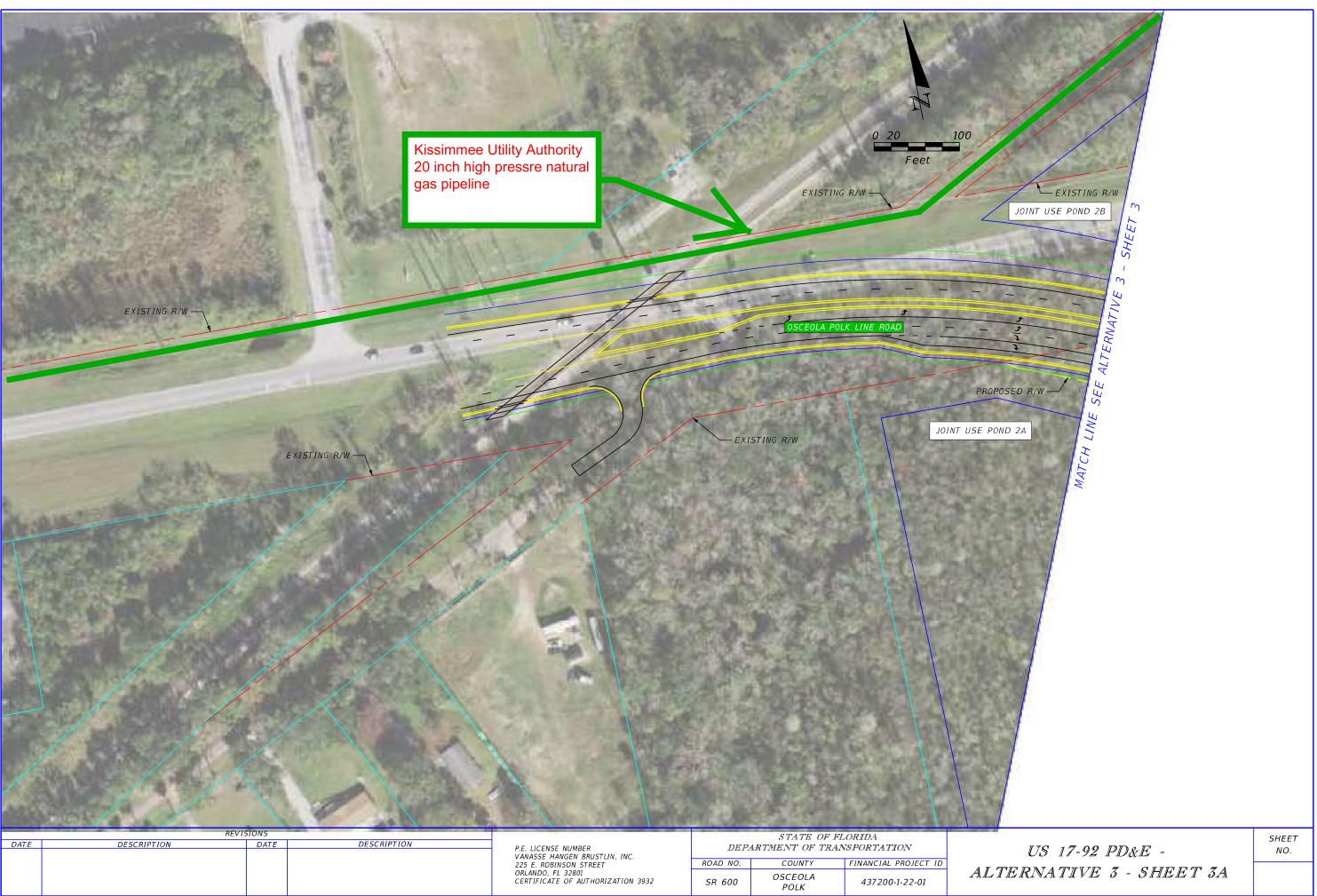


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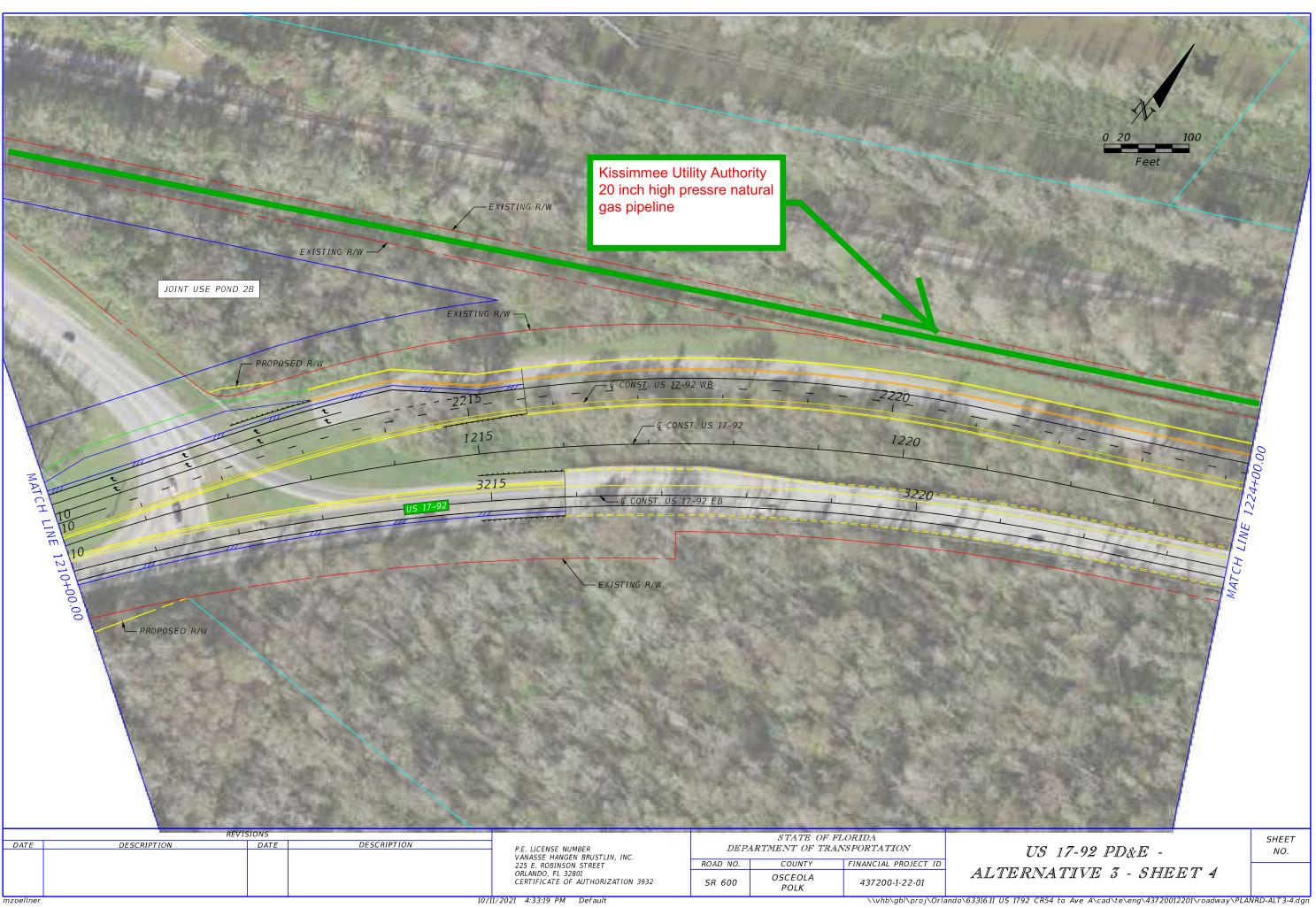


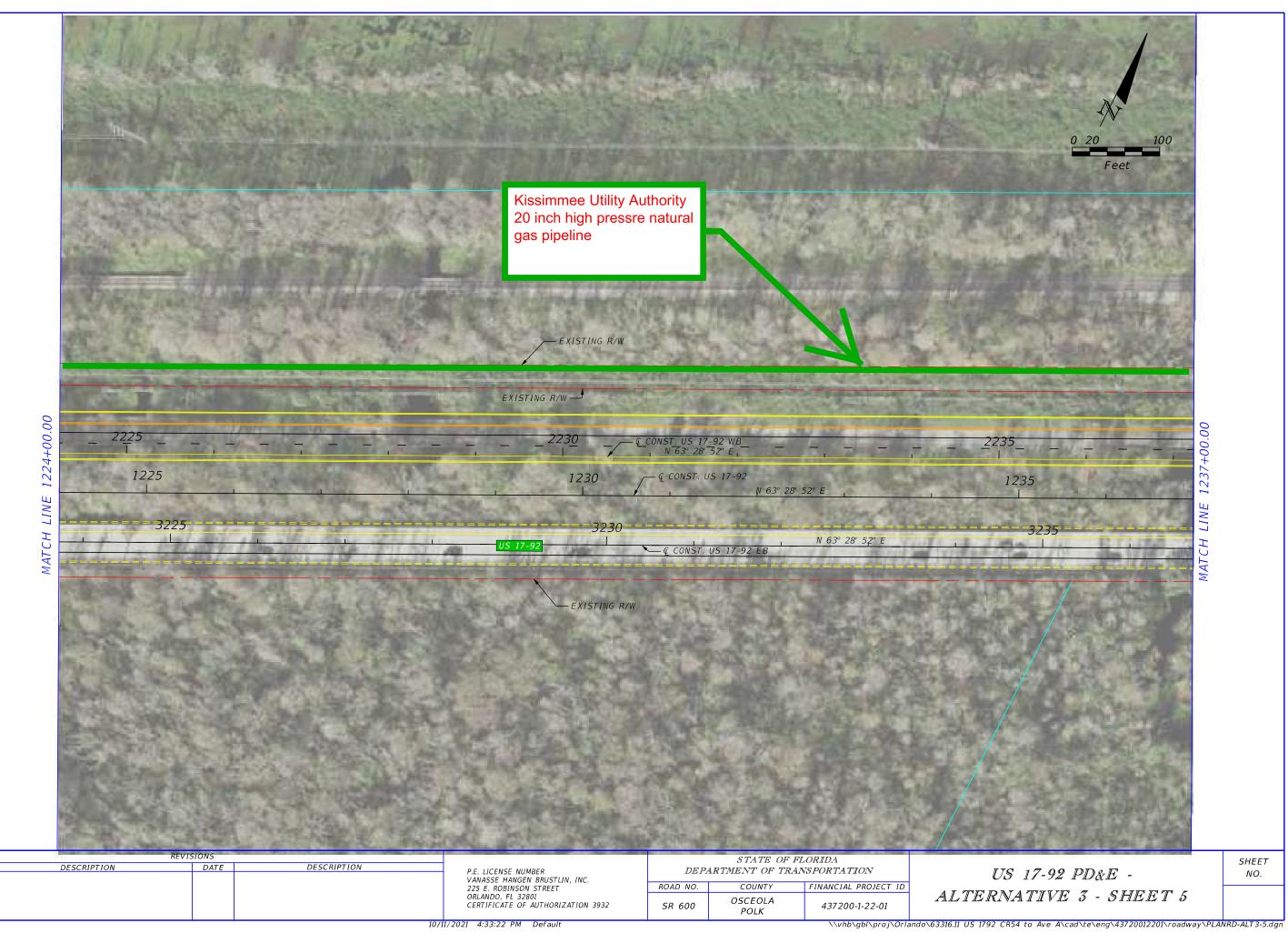




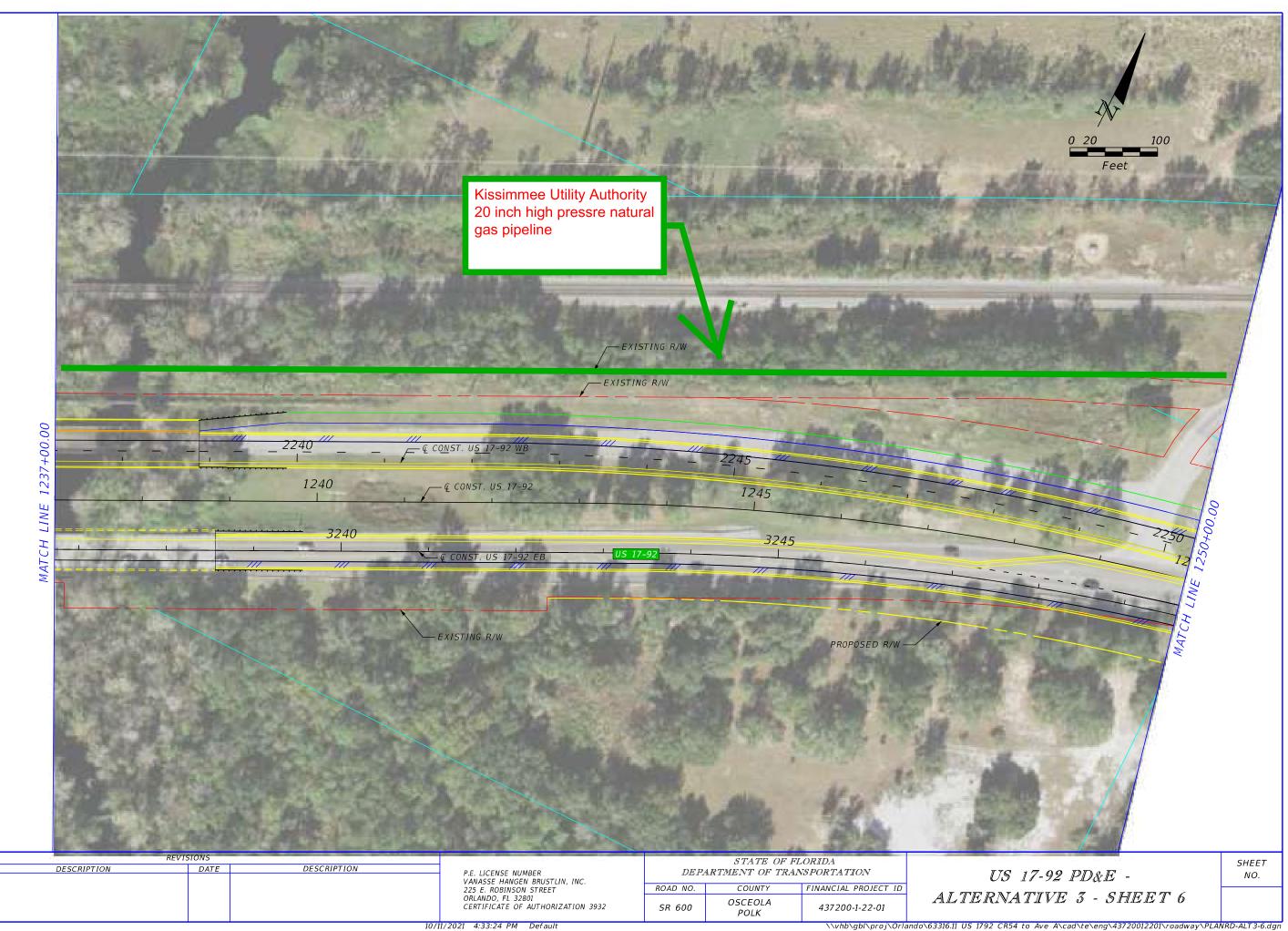


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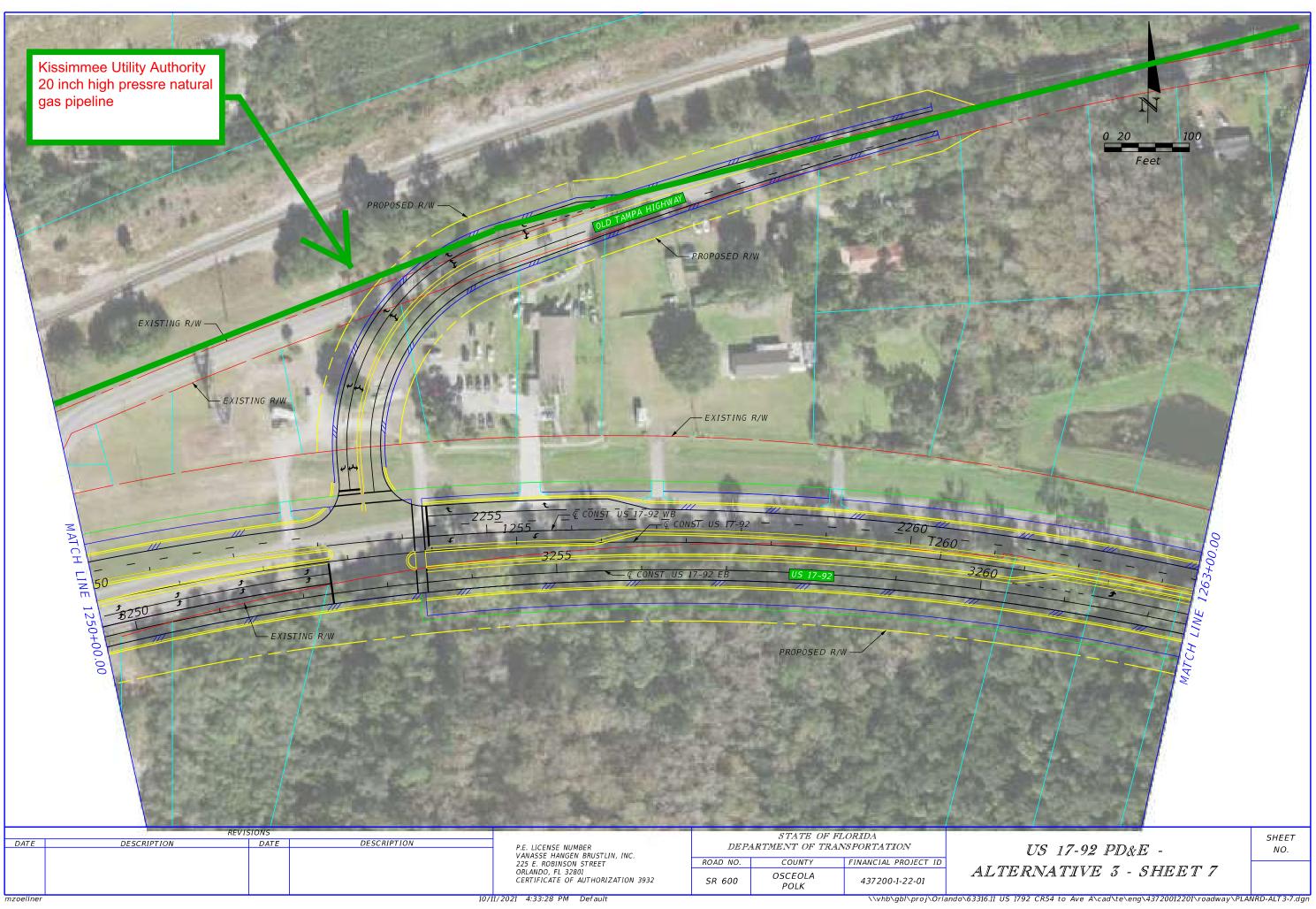


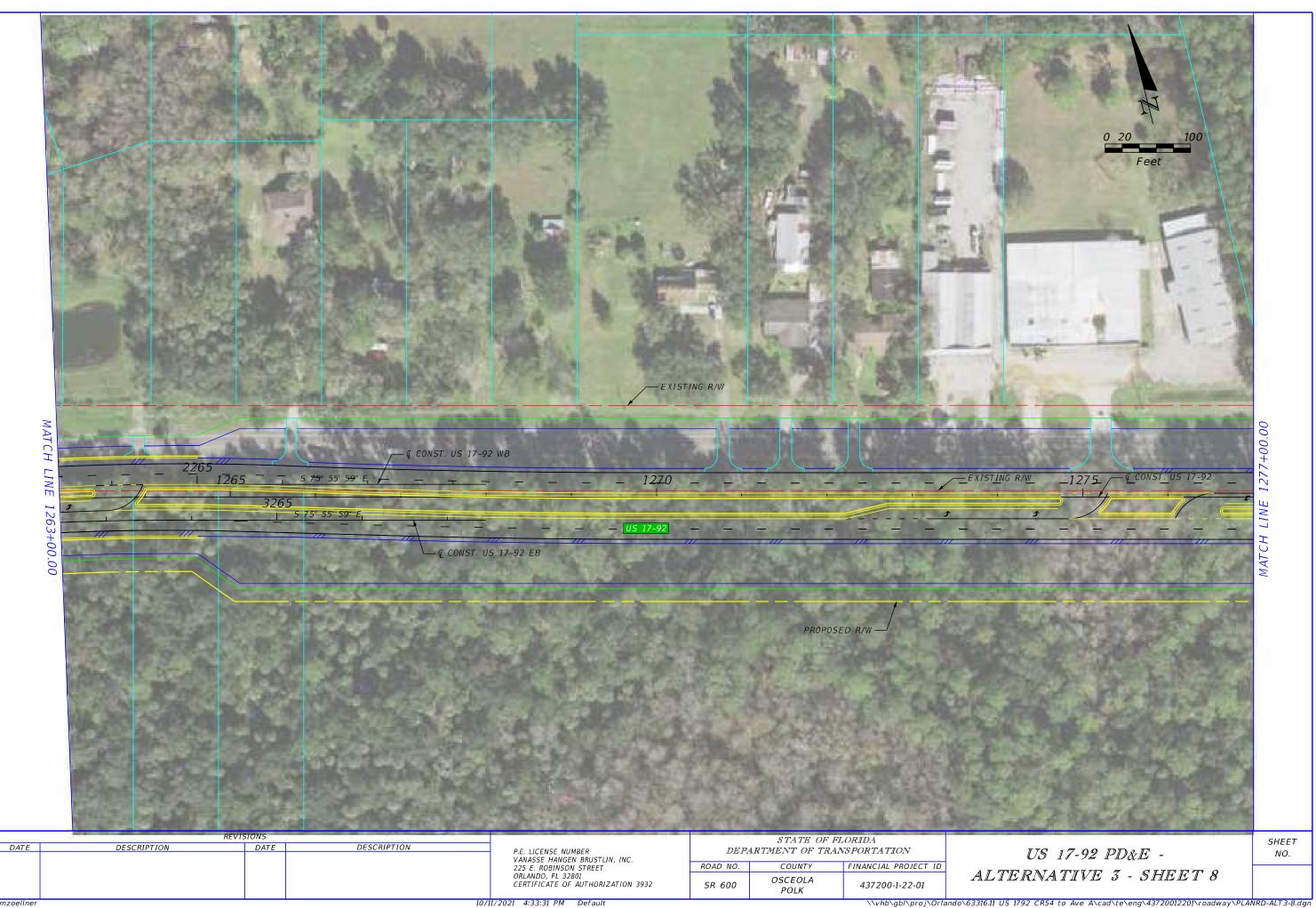


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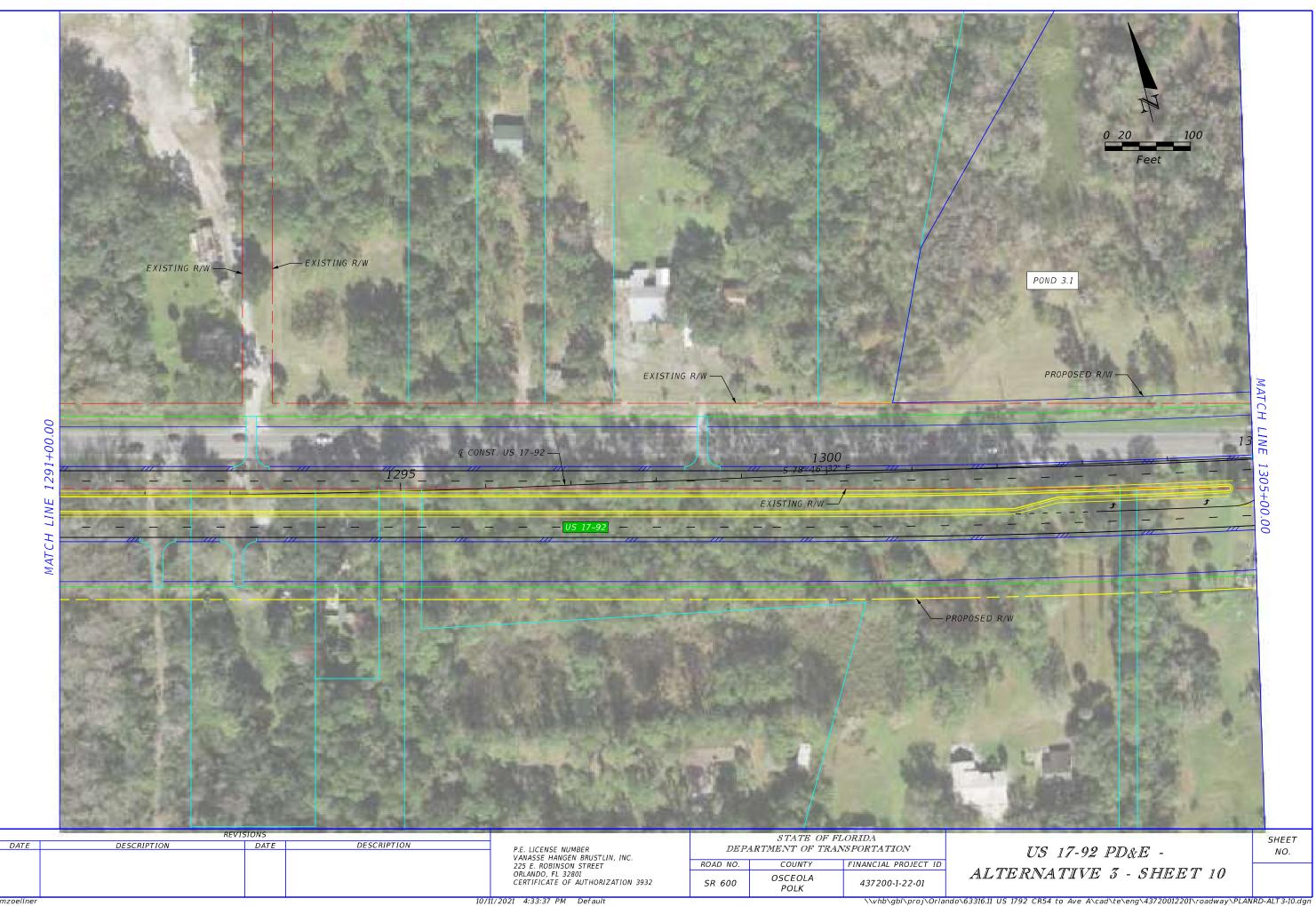


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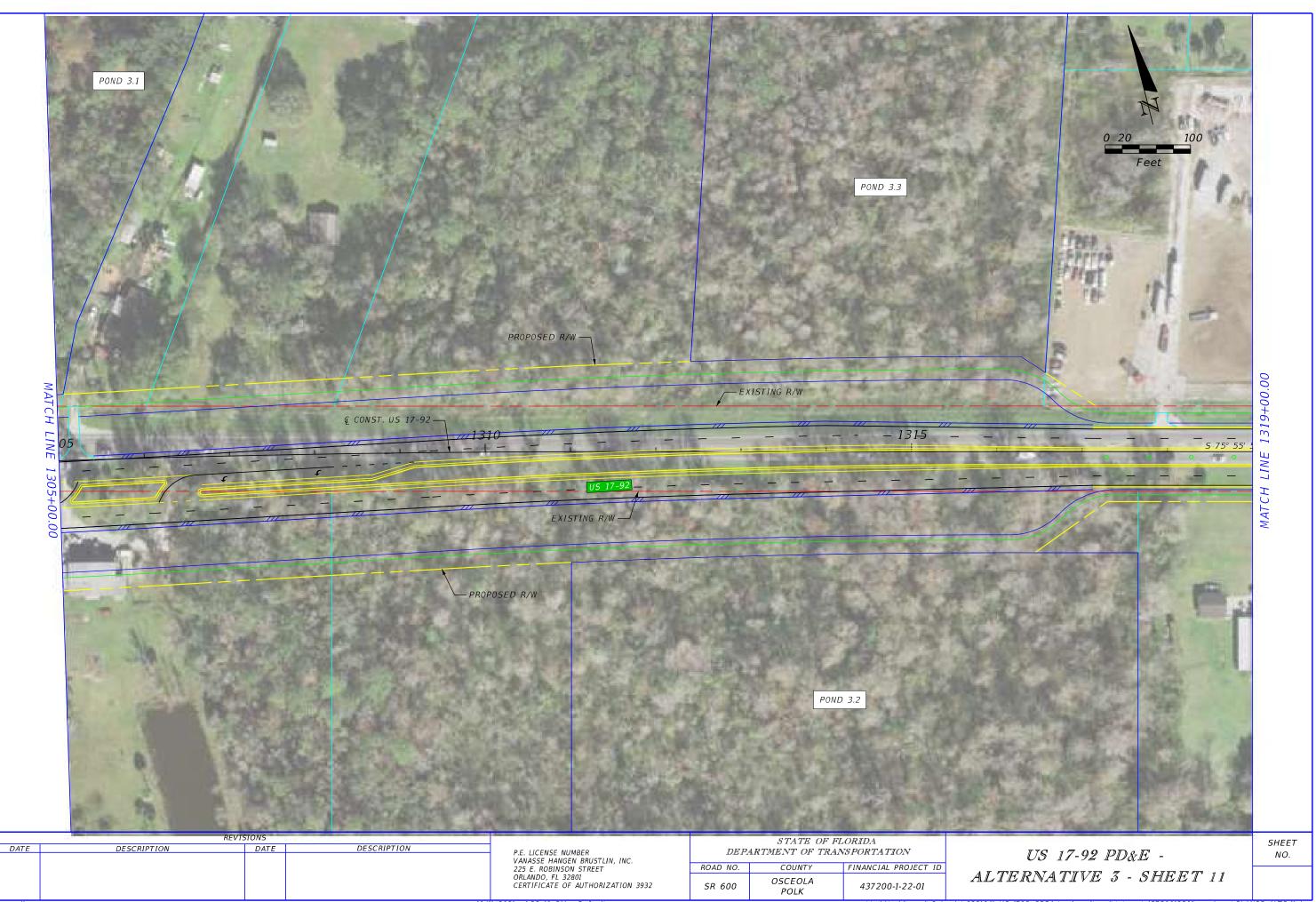








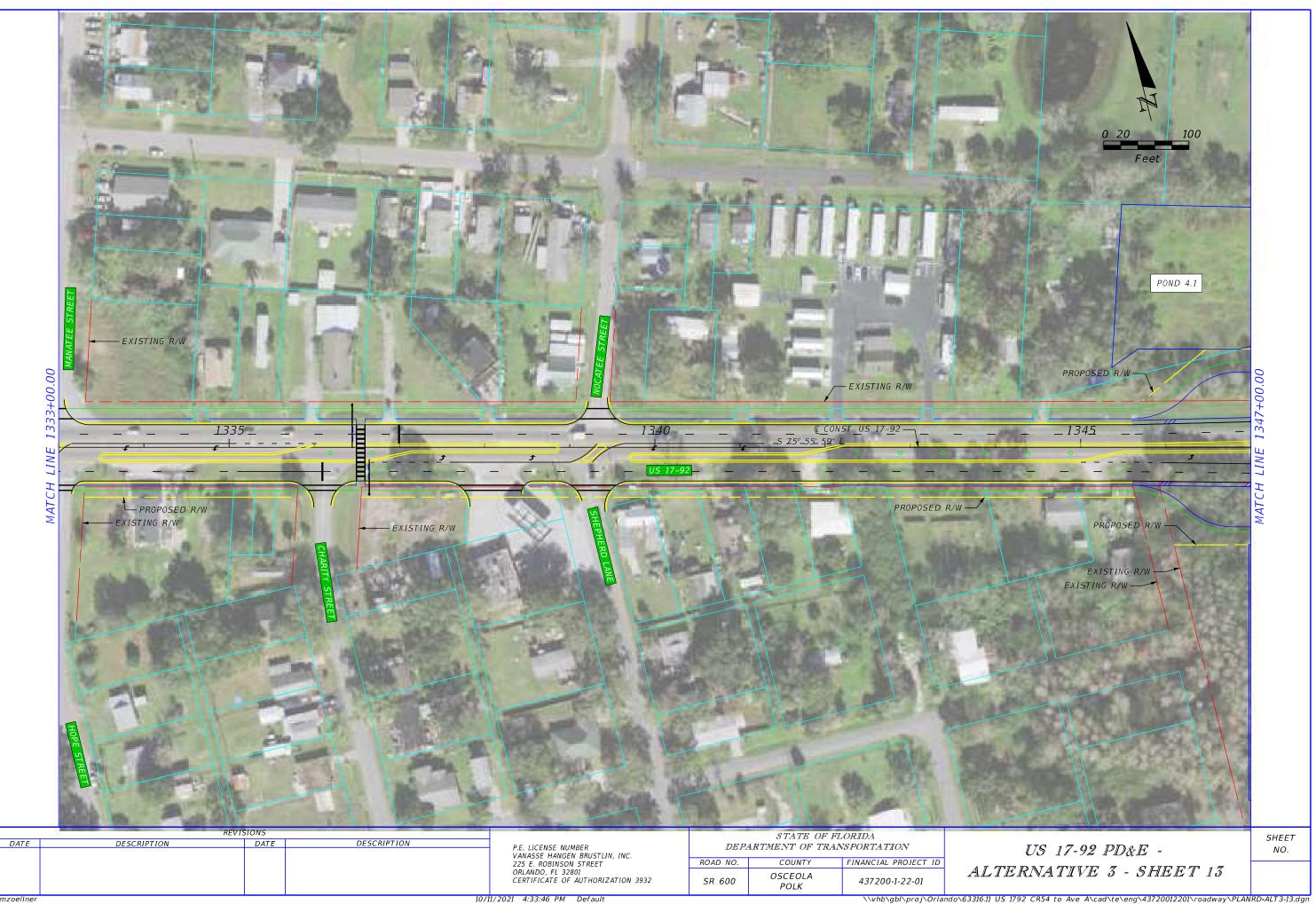
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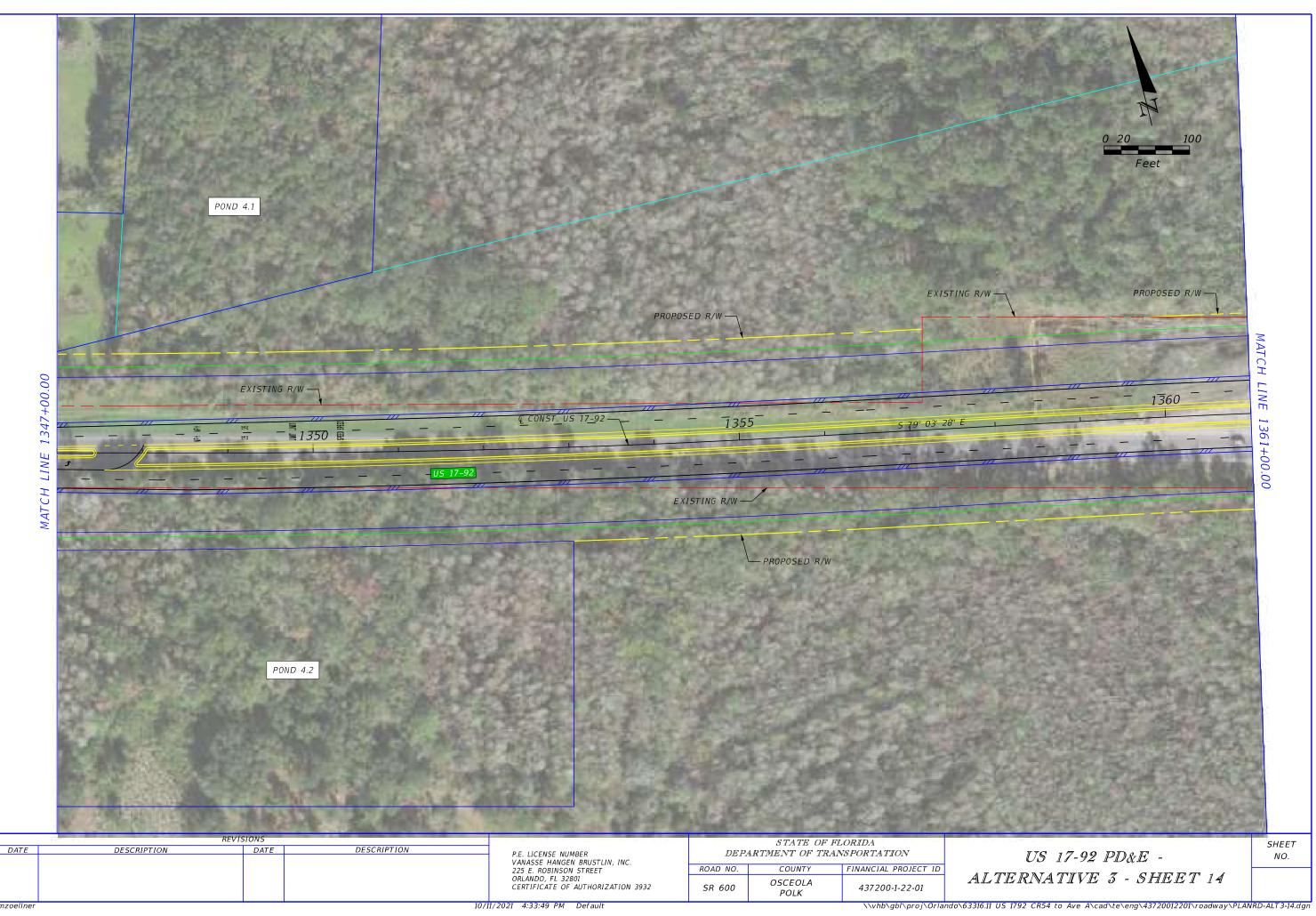


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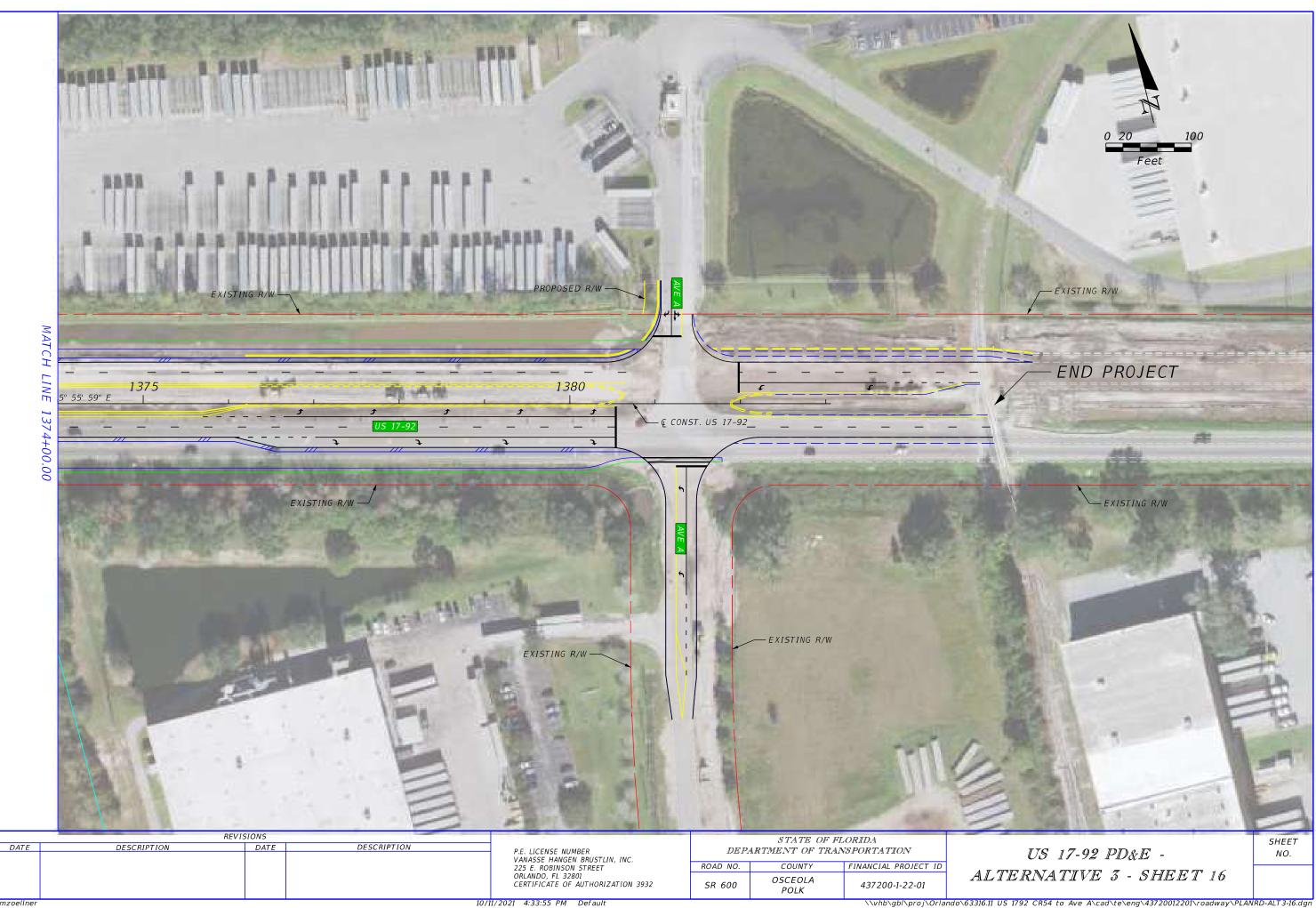
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mzoellne

### Verizon (MCI)



### **3-GIS LEGEND**

VZB BURIED CABLE

Existing

**Proposed (In Progress Construction)** 

Abandoned

Other Cable (Verizion Owned)

**Existing Span (Verizion Owned)** 

VZB DIRECT BURIED CABLE

Existing

Proposed (In Progress Construction)

Abandoned

VZB AERIAL CABLE

Existing

Proposed (In Progress Construction)

Abandoned

VZB FSRV (UNVERIFIED)

Aerial

Buried

**VZB BURIED CONDUIT (SPAN)** 

Existing

Proposed (In Progress Construction)

Abandoned

VZB SUBMARINE CABLE

Existing

**Proposed (In Progress Construction)** 

Abandoned

VZB Not Protected Leased

Span Leased

**Proposed Leased** 

**Proposed Existing Leased** 

ABN-ABN-ABN-ABN-ABN-

ABN-ABN-ABN-ABN-ABN-

ABN-ABN-ABN-ABN-ABN-

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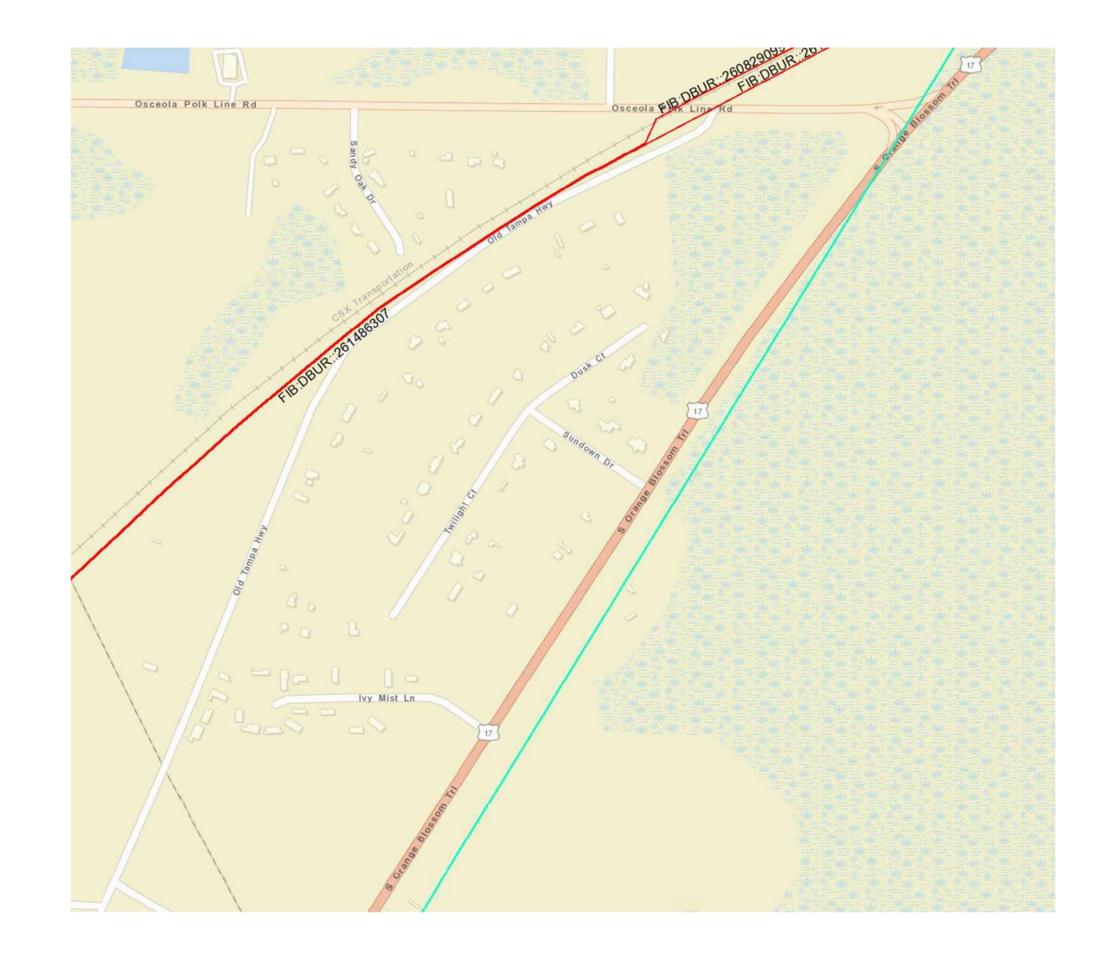
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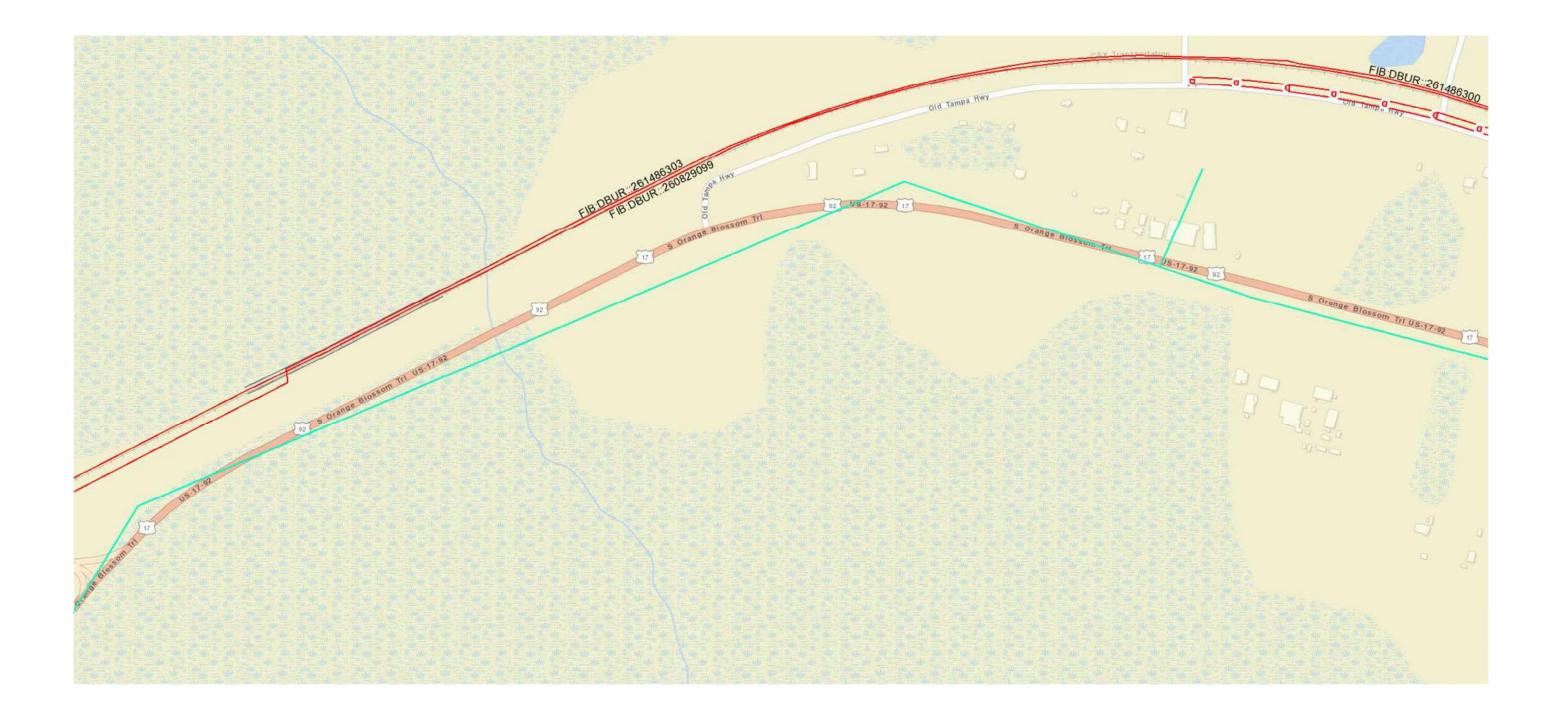
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### Appendix D – Data from UAOs

## Sunshine 811 Design Ticket

| From:<br>Sent:<br>To:<br>Subject: | Amanda Johnson<br>Friday, August 12, 2022 3:27 PM<br>Donovan Morrell<br>FW: [External] SSOCOF CONFRM 2020/06/29 #00000 181004958-000<br>NORM DSGN NEW |
|-----------------------------------|---|
| Follow Up Flag:                   | Follow up   |
| Flag Status:                      | Flagged   |
| Categories:                       | US 17/92  |

Amanda Johnson, El Transportation Analyst Orlando - PD&E P 407.965.0562

#### www.vhb.com

-----Original Message-----From: Sunshine 811 Exactix <<u>no-reply@exactix.sunshine811.com</u>> Sent: Monday, June 29, 2020 2:24 PM To: Johnson, Amanda <<u>acjohnson@vhb.com</u>> Subject: [External] SSOCOF CONFRM 2020/06/29 #00000 181004958-000 NORM DSGN NEW

CONFRM 00000 CALL SUNSHINE 06/29/20 14:23:48ET 181004958-000 DESIGN GRID Ticket : 181004958 Rev:000 Taken: 06/29/20 14:22ET

State: FL Cnty: OSCEOLA GeoPlace: KISSIMMEE CallerPlace: KISSIMMEE Subdivision:

Address : Street : US 17 92 Cross 1 : POLK COUNTY LINE Within 1/4 mile: Y Cross 2 : POINCIANA BLVD

Locat: EXISTING UTILITIES ON US 17/92 FROM POLK COUNTY LINE TO POINCIANA BLVD

:

Remarks : DESIGN TICKET ONLY

IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS'

UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED, AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

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

Grids: 2814A8132A2814A8133D2815A8130A2815A8131A2815A8131BGrids: 2815A8131C2815A8131D2815A8132C2815A8132D2815B8129AGrids: 2815B8129B2815B8130A2815B8130B2815B8130C2815B8130DGrids: 2815B8131D2815B8132B2815B8132C2815B8132D2815C8129AGrids: 2815C8129B2815C8129C2815C8129D2815C8130D2815C8132AGrids: 2815C8132B2815D8132A2815D8133D2815C8132A

Work date: 06/29/20 Time: 14:20ET Hrs notc: 000 Category: 6 Duration: UNKNOWN Due Date : 07/01/20 Time: 23:59ET Exp Date : 07/29/20 Time: 23:59ET Work type: DESIGN Boring: N White-lined: N

Ug/Oh/Both: U Machinery: N Depth: UNK Permits: N N/A Done for : DESIGN

Company : VANASSE, HANGEN, BRUSTLIN, INC. (VHB) Type: CONT Co addr : 225 E ROBINSON ST / LANDMARK CENTER 2 Co addr2: SUITE 300 City : ORLANDO State: FL Zip: 32801 Caller : AMANDA JOHNSON Phone: 407-965-0562 BestTime: BETWEEN 8AM AND 5PM WEEKDAYS. Email : <u>ACJOHNSON@VHB.COM</u>

```
Submitted: 06/29/20 14:22ET Oper: AMA Chan: WEB Mbrs :
AT1931 VICTORIA GRASSER
                             480-596-4559
   AMERICAN TRAFFIC SOLUTIONS
   1150 N ALMA SCHOOL RD
   MESA, AZ 85201
  Level 1: SERVICES NOT PROVIDED BY MEMBER
  Level 2: SERVICES NOT PROVIDED BY MEMBER
  Level 3: SERVICES NOT PROVIDED BY MEMBER
  Level 4: SERVICES NOT PROVIDED BY MEMBER
CFPIPL MARK CLARK
                          727-271-0024
   KINDER MORGAN / CENTRAL FLORIDA PIPELIN
   2101 GATX DR
   TAMPA, FL 33605
 Level 1:
 Level 2:
 Level 3:
  Level 4:
CNTL01 BILL MCCLOUD 850-599-1444
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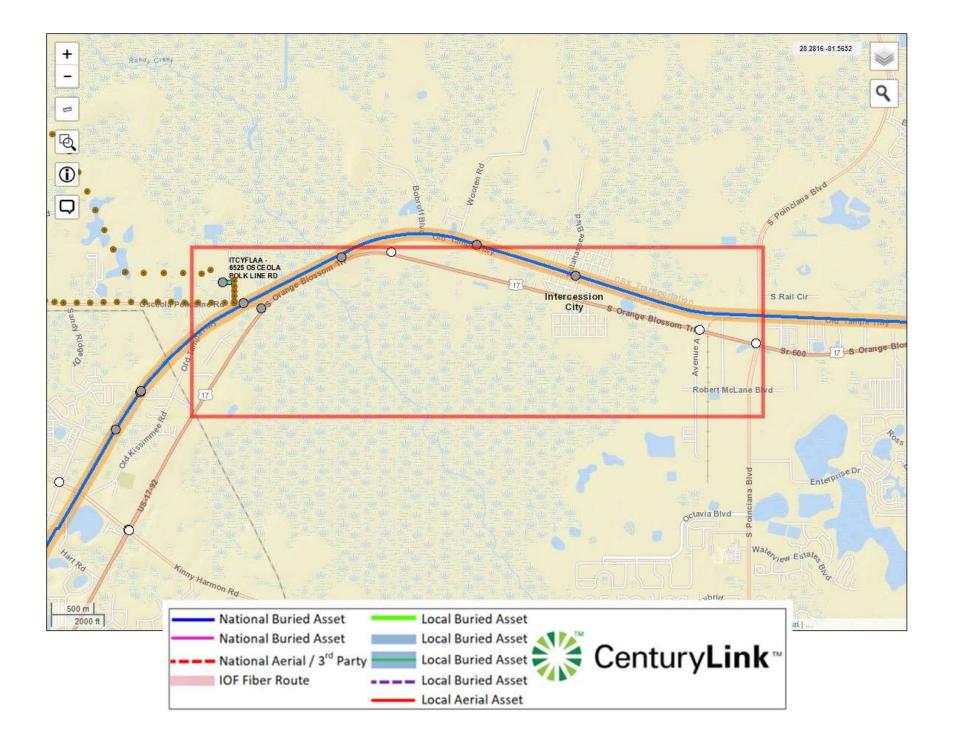
CENTURYLINK 1325 BLAIRSTONE RD RM 113 TALLAHASSEE, FL 32301 Level 1: CASE BY CASE BASIS Level 2: CASE BY CASE BASIS Level 3: CASE BY CASE BASIS Level 4: CASE BY CASE BASIS CVCFTV RAMON NUNEZ 407-215-5870 CHARTER COMMUNICATIONS 3767 ALL AMERICAN BLVD ORLANDO, FL 32810 Level 1: \$91.50 PER HR / 2 HR MINIMUM REQUEST WILL NEED TO BE IN WRITING Level 2: \$91.50 PER HR / 2 HR MINIMUM REQUEST WILL NEED TO BE IN WRITING Level 3: \$55.54 PER HOUR / 2 HOUR MINIMUM Level 4: SERVICES NOT PROVIDED BY MEMBER FLW941 HENRY KLOBUCAR 406-496-6510 ZAYO GROUP / FORMERLY LIGHTWAVE, LLC 130 N MAIN ST BUTTE, MT 59701 Level 1: \$50 PER HR PLUS \$1 PER DRAWING Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: EXTRA ORDINARY EXPOSURE TIME AND EXPENSE FPC313 STEPHANIE OLMO 407-905-3376 **DUKE ENERGY** 452 E CROWN POINT RD WINTER GARDEN, FL 34787 Level 1: SERVICES NOT PROVIDED BY MEMBER Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER FS2216 SEGUN OJETAYO 713-951-5379 FLORIDA SOUTHEAST CONNECTION LLC 601 TRAVIS ST **SUITE 1900** HOUSTON, TX 77002 Level 1: SERVICES NOT PROVIDED BY MEMBER Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER FWS701 FWS702 FWS704 GT1722 TONI CANNON 813-875-1014 FRONTIER COMMUNICATIONS 3712 W WALNUT ST

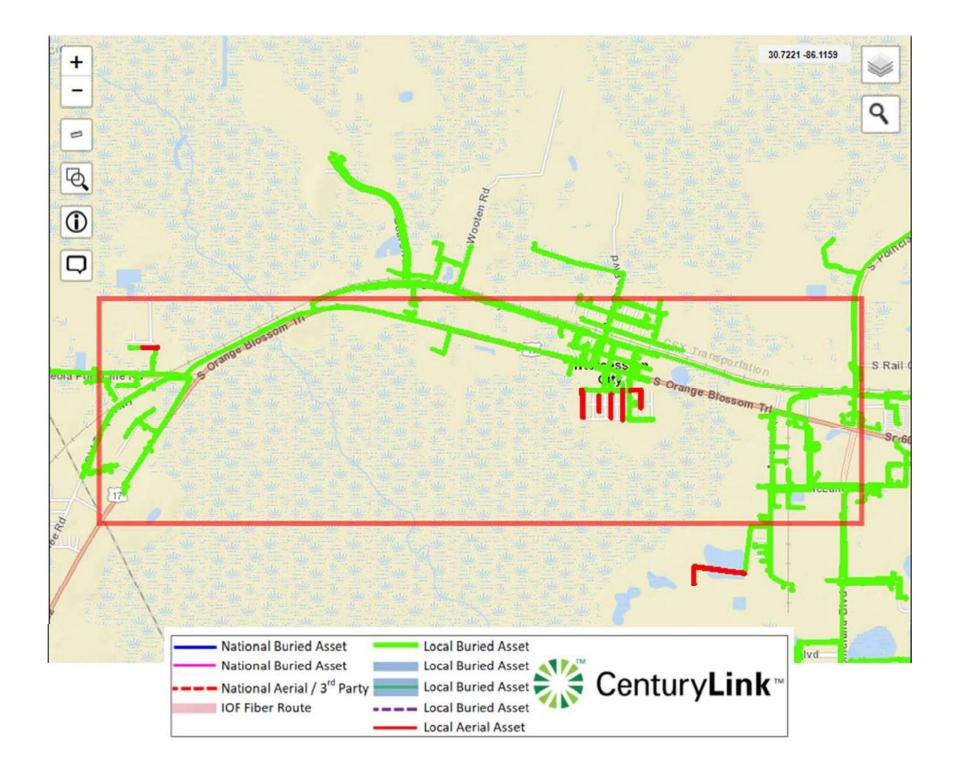
TAMPA, FL 33607 Level 1: \$200 ADMIN FEE \$45 PER HR FOR CAD SVCS ONE HR INCL IN ADMIN FEE Level 2: LEVEL D RATES PLUS FIELD FEE OF \$45 PER HR WITH 4 HR MIN Level 3: LEVEL D RATES PLUS FIELD FEE OF \$45 PER HR WITH 4 HR MIN Level 4: SERVICES NOT PROVIDED BY MEMBER HW1474 ONE CALL CENTER 918-547-9694 CENTURYLINK ONE TECHNOLOGY CENTER, MD II TULSA, OK 74103 Level 1: Level 2: Level 3: Level 4: KUA FELIX ESCOBAR 407-933-7777 Ext: 6612 KISSIMMEE UTILITY AUTHORITY FAX 407-933-2823 1701 W CARROLL ST KISSIMMEE, FL 34741 Level 1: SERVICES NOT PROVIDED BY MEMBER Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER L3C900 NETWORK RELATIONS 877-366-8344 Ext: 2 CENTURYLINK **1025 ELDORADO BLVD** BROOMFIELD, CO 80021 Level 1: CONTACT MEMBER DIRECTLY FOR FEE SCALE Level 2: CONTACT MEMBER DIRECTLY FOR FEE SCALE Level 3: CONTACT MEMBER DIRECTLY FOR FEE SCALE Level 4: CONTACT MEMBER DIRECTLY FOR FEE SCALE LCA395 WADE MATHEWS 352-516-3824 COMCAST CABLEVISION 8130 CR 44 LEG A LEESBURG, FL 34788 Level 1: Level 2: Level 3: Level 4: MCIU01 MCIU01 INVESTIGATIONS 469-886-4091 MCI 7000 WESTON PARKWAY, SITE CODE: CRYANC CARY, NC 27513-2119 Level 1: \$0 Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER OC1586 JACK LOTT 407-742-7534 OSCEOLA COUNTY TRAFFIC FAX 407-343-7169

3850 OLD CANOE CREEK RD ST CLOUD, FL 34769 Level 1: PROVIDE CONTRUCTION DRAWINGS OF EXISTING TRAFFIC SIGNALS FOR \$5 A SHEET. Level 2: MEMBER DOES NOT PROVIDE THIS SERVICE Level 3: MEMBER DOES NOT PROVIDE THIS SERVICE Level 4: MEMBER DOES NOT PROVIDE THIS SERVICE OTC811 LESTER GUTHRIE 407-996-6218 SUMMIT BROADBAND 4558 35TH ST ORLANDO, FL 32811 Level 1: SERVICES NOT PROVIDED BY MEMBER Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER PE1741 MARK HURST 727-820-5208 DUKE ENERGY 299 1ST AVE N PEF10-4 ST PETERSBURG, FL 33701 Level 1: SERVICES NOT PROVIDED BY MEMBER Level 2: SERVICES NOT PROVIDED BY MEMBER Level 3: SERVICES NOT PROVIDED BY MEMBER Level 4: SERVICES NOT PROVIDED BY MEMBER PGSORL JOAN DOMNING 813-275-3783 **TECO PEOPLES GAS- ORLANDO** 8416 PALM RIVER RD TAMPA, FL 33619 Level 1: NONE AT THIS MOMENT Level 2: NONE AT THIS MOMENT Level 3: NONE AT THIS MOMENT Level 4: NONE AT THIS MOMENT SE2188 STEVE PECK 201-853-4218 SPECTRA ENERGY -SABAL TRAIL MATTHEW WOO FAX 407-586-7611 6701 OSCEOLA POLK LINE RD DAVENPORT, FL 33896 Level 1: Level 2: Level 3: Level 4: TI1322 TOM ULMER\*\* 772-778-2255 TRANSTATE INDUSTRIAL PIPELINE SYSTEMS, P. O. BOX 700130 WABASSO, FL 32970 Level 1: ENGINEERING: \$70.00/HR (2 HR MIN) CALL FOR ESTIMATE Level 2: ENGINEERING: \$70.00/HR FIELD TECH: \$60.00/HR (2 HR MIN) Level 3: FIELD TECH: \$60.00/HR (2 HR MIN) Level 4: FIELD TECH: \$60.00/HR (2 HR MIN) SURVEY/VACUUM EXC NOT

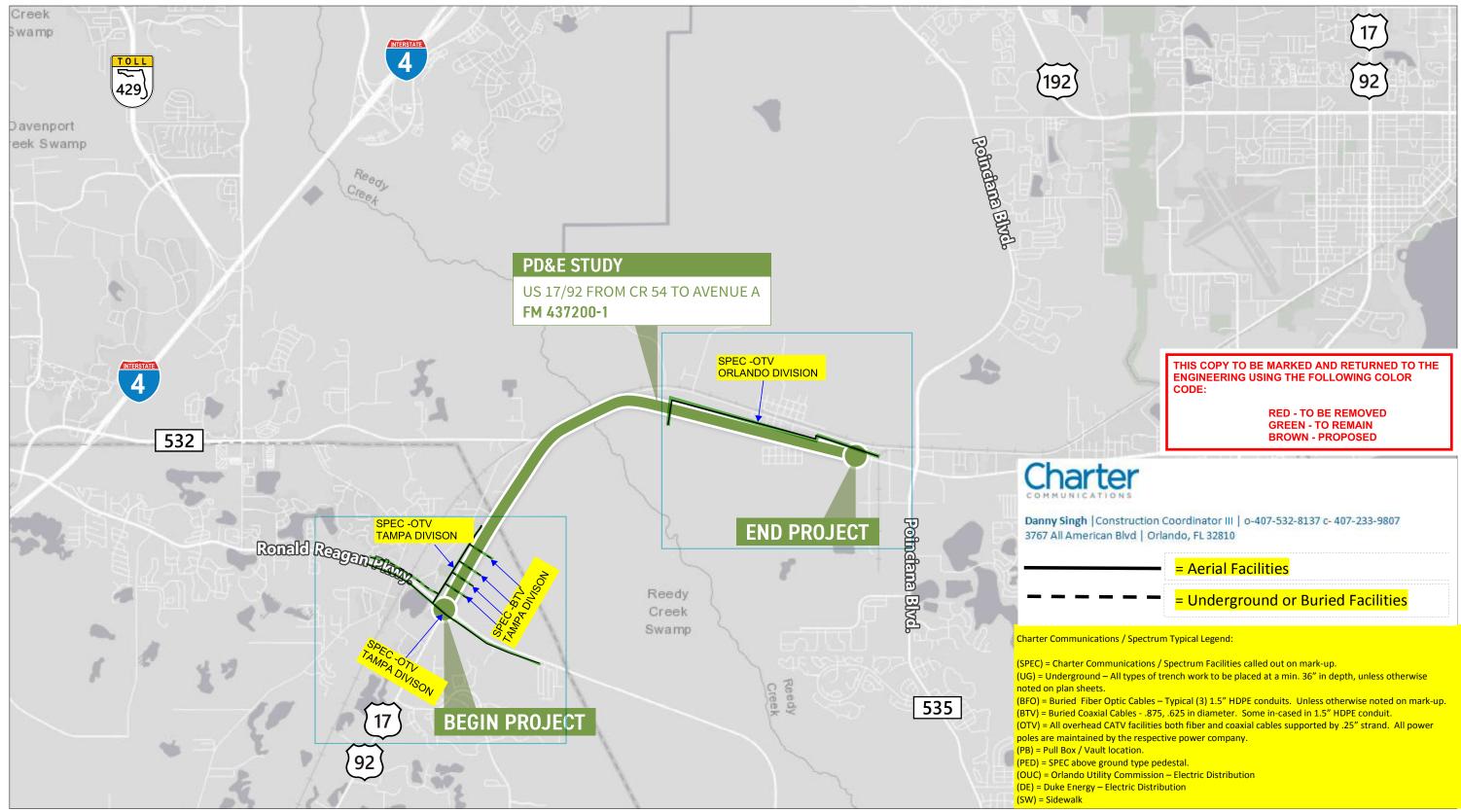
PROVIDED

### CenturyLink





# Charter Communications





N.T.S.



### Figure 1

**Project Location Map** 

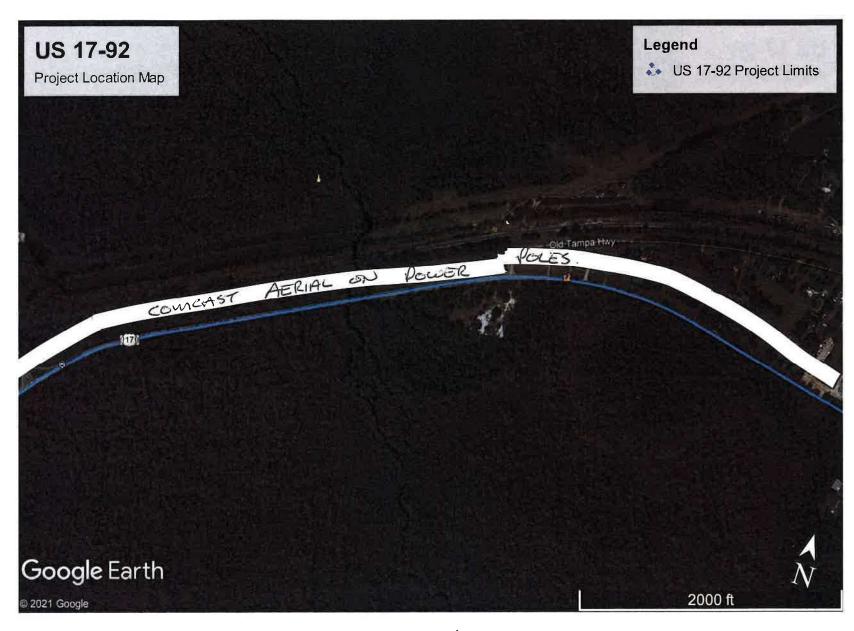
FPID 437200-1

# Comcast Communications (previously Lake County Cable)

REFERENCE COMCAST USD # REQ000658178



SHT I OF 4

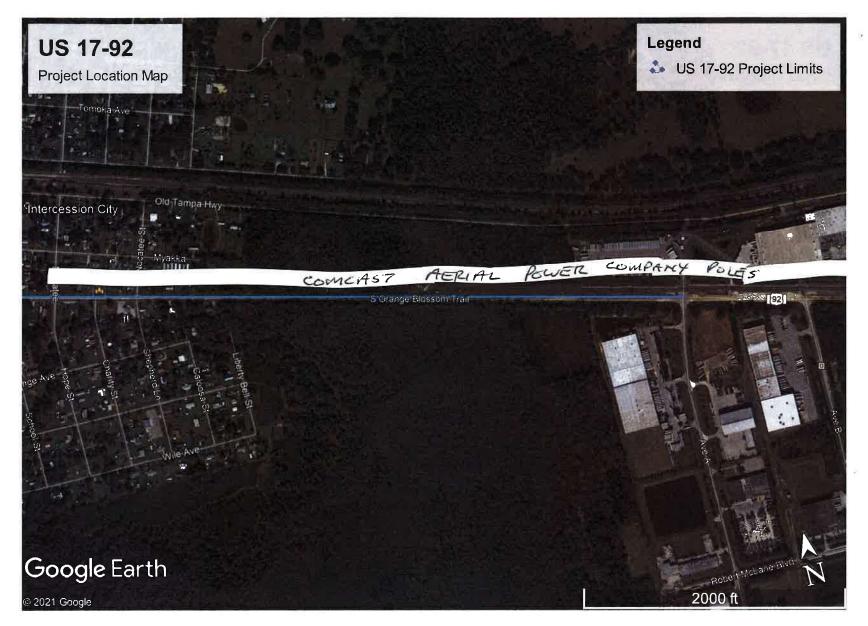


5177 2 OF 4

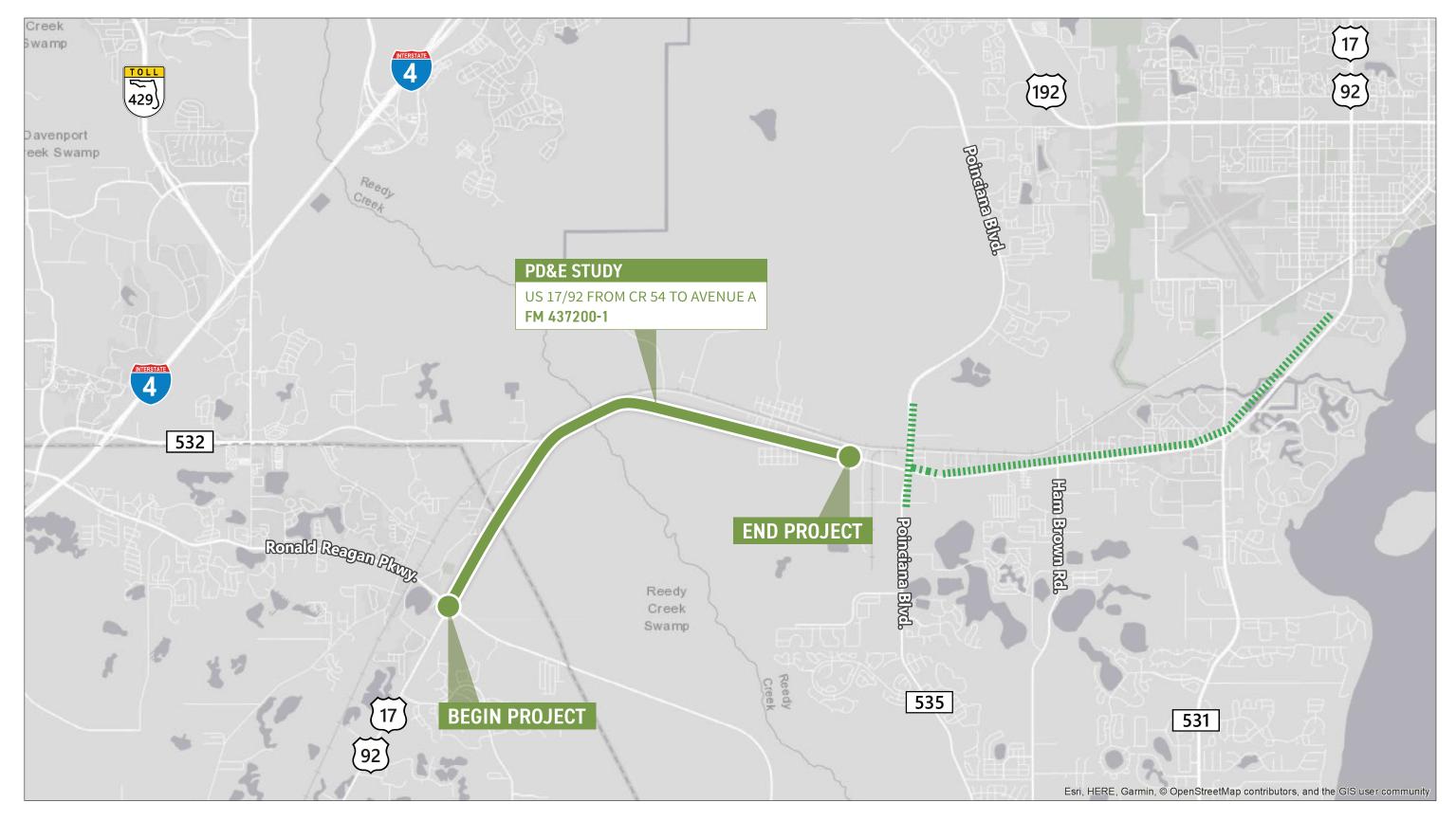
SHT 3 OF 4



5AT 4 OF 4



## Osceola County Taffic





US 17/92 PD&E Study

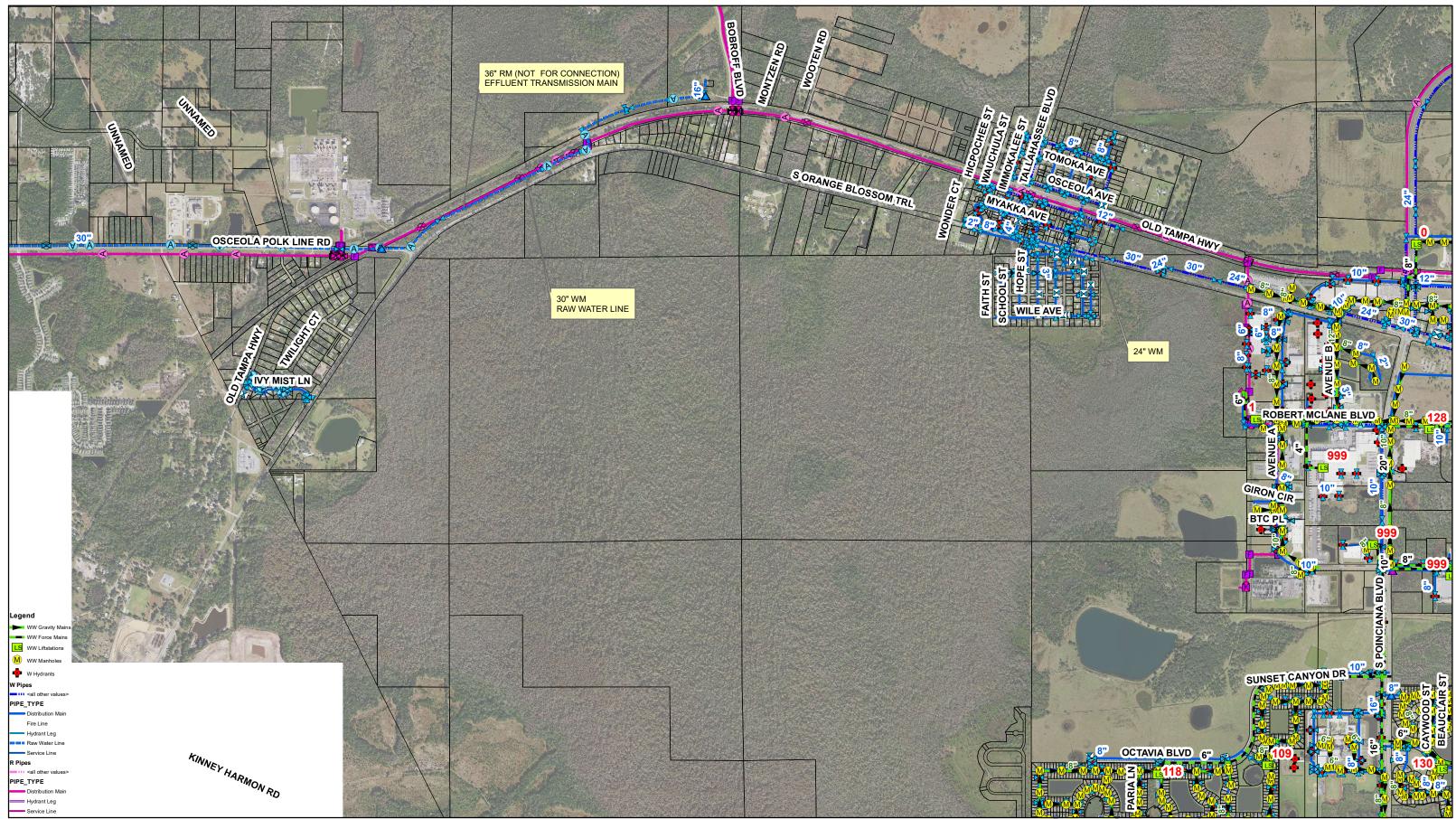
Dashed Green Line - Osceola County Traffic Fiber

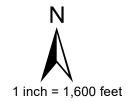


Figure 1 Project Location Map

FPID 437200-1

# Toho Water Authority – Zones 1,2, and 4





**REQUESTED LOCATION MAP** 

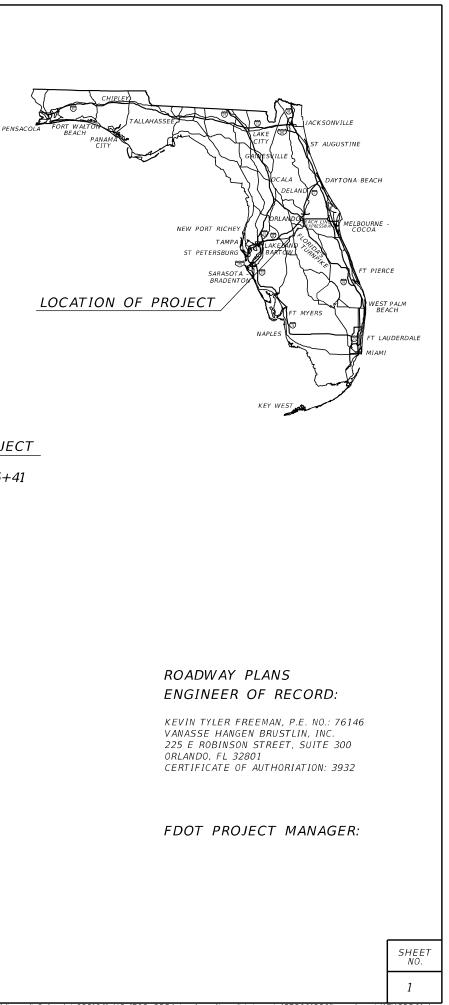
THE TOMOPEKALIGA WATER AUTHORITY MAKES NO WARRANTES, QUARANTESS OR REPRESENTATIONS AS TO THE TRUTH, ACCURACY, OR COMPLETENESS OF THE DATA ON THIS MAP. THIS IS NOT A SURVEY PRODUCT AND IS A VSUAL REFERENCE TOOL ONLY. The Ibhopekala Ware Authory makes no warranty, sopress or implied with respect to its ownership or any rights relating to trademarks and trade names described herein. THERE ARE NO WARRANTES WHICH EXTEND EFTOND THE DESCRIPTIO OF THE FACE HEREOF. Any questions or concents should be direded to Thow Water Authory.

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



### Appendix E – Updated Concept Plans (September 2022)

#### STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

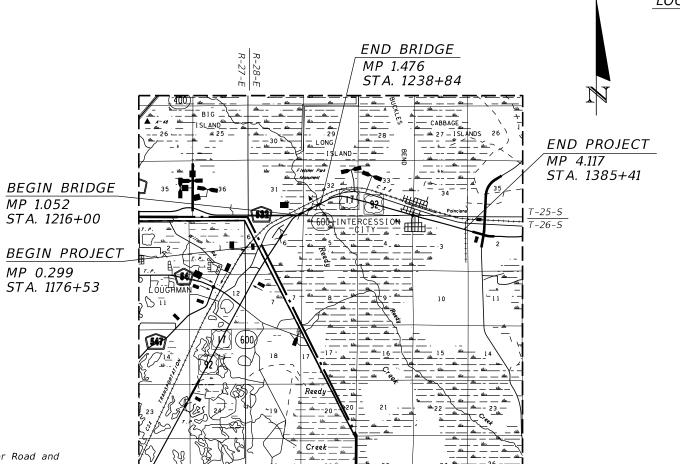


### CONTRACT PLANS

FINANCIAL PROJECT ID 437200-1-22-01

OSCEOLA COUNTY (92010000, 92010100)

STATE ROAD NO. 600 (US 17-92) SR 600 (US 17-92) WIDENING FROM IVY MIST LANE TO AVENUE A



#### INDEX OF ROADWAY PLANS

| INDEX OF  |                   |
|-----------|-------------------|
| SHEET NO. | SHEET DESCRIPTION |
| 1         | KEY SHEET         |
| 2-5       | TYPICAL SECTIONS  |
| 6-26      | CONCEPT PLANS     |
|           |                   |

#### GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

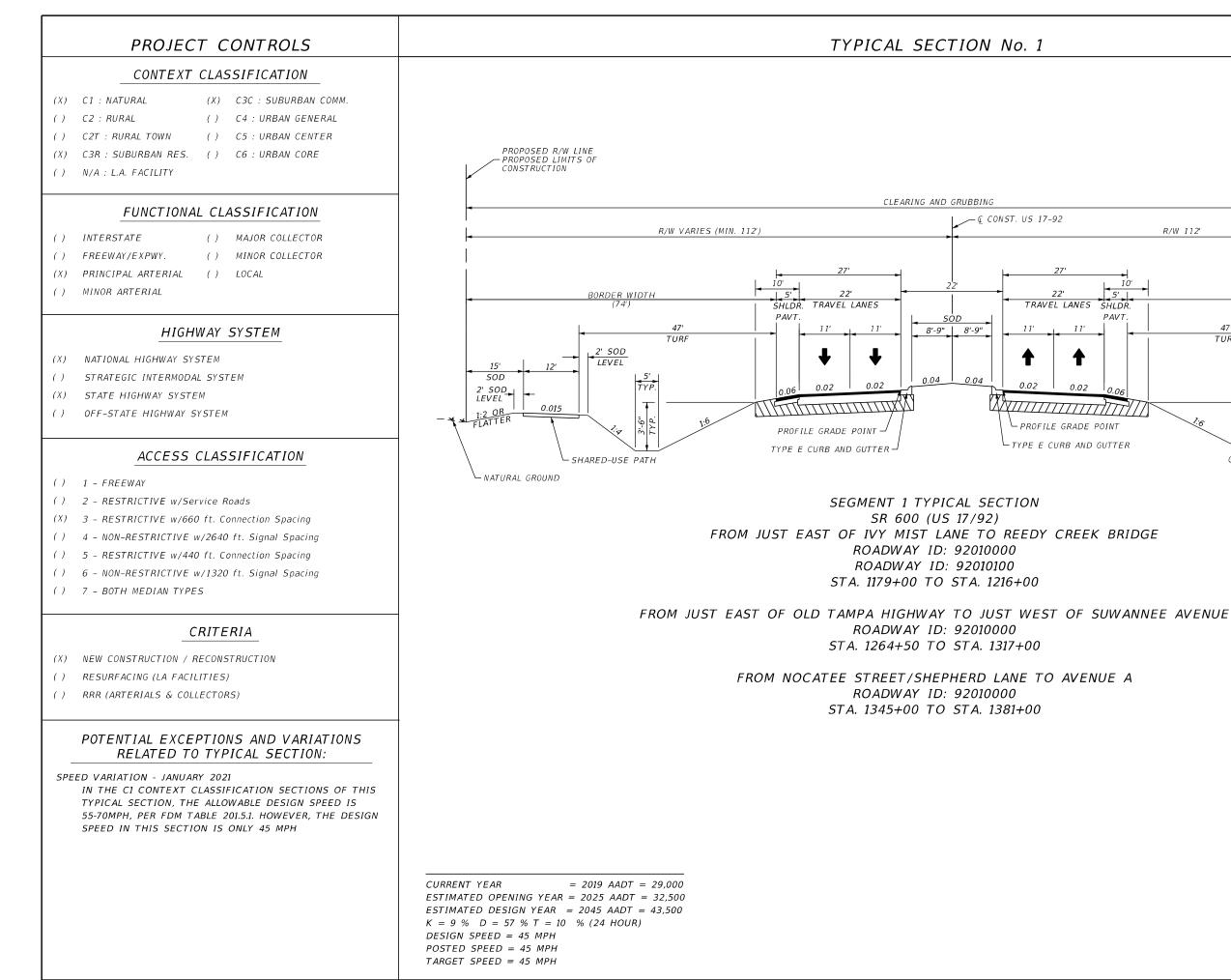
Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

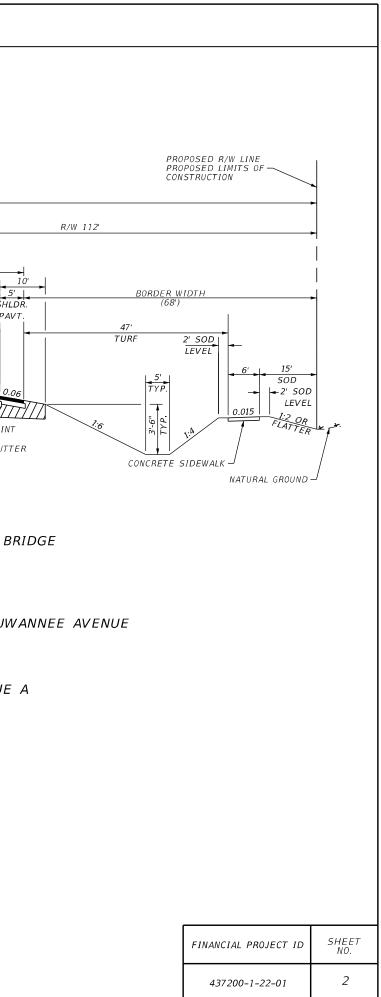
APPLICABLE IRs: IR\_\_\_-\_\_-

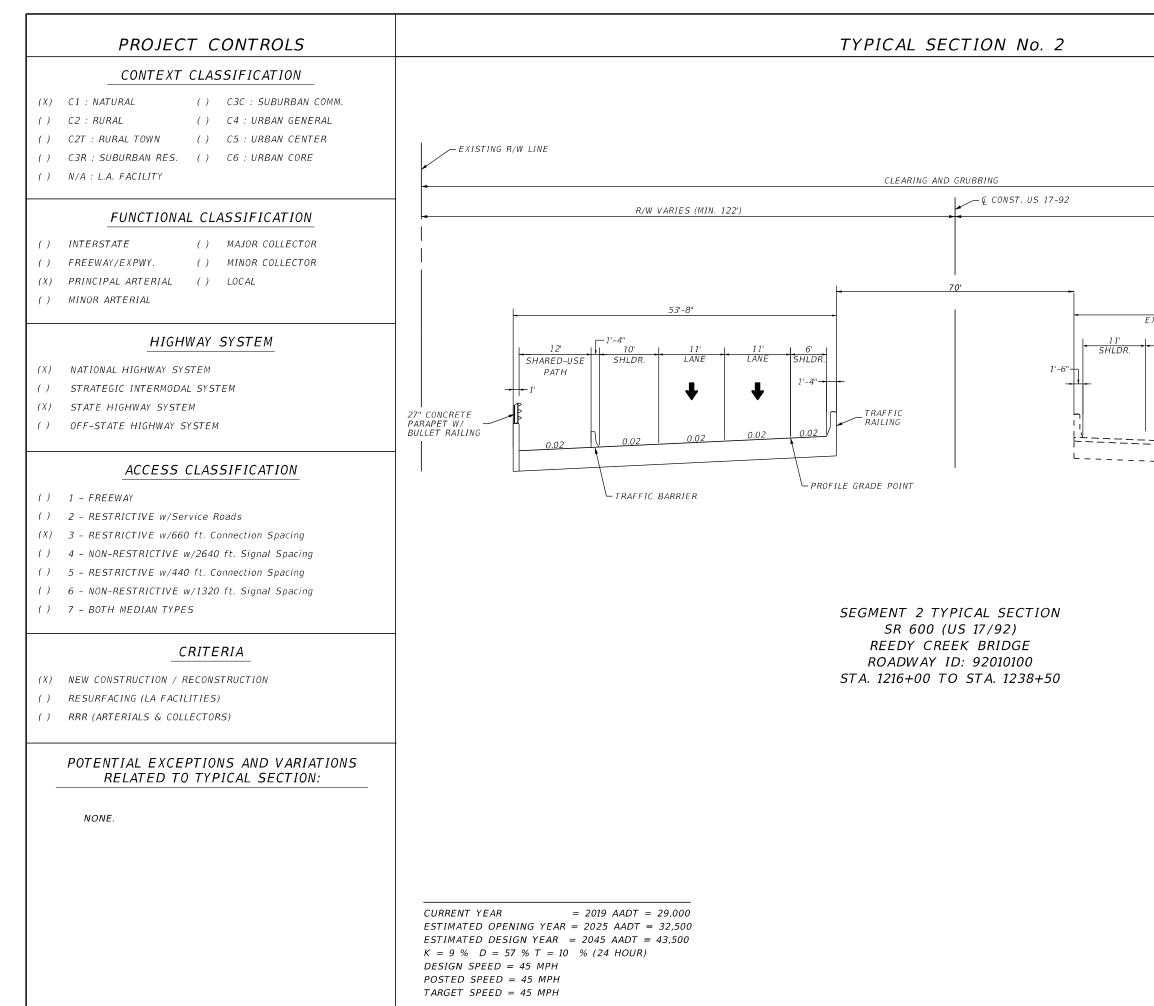
Standard Plans for Bridge Construction are included in the Structures Plans Component

#### GOVERNING STANDARD SPECIFICATIONS:

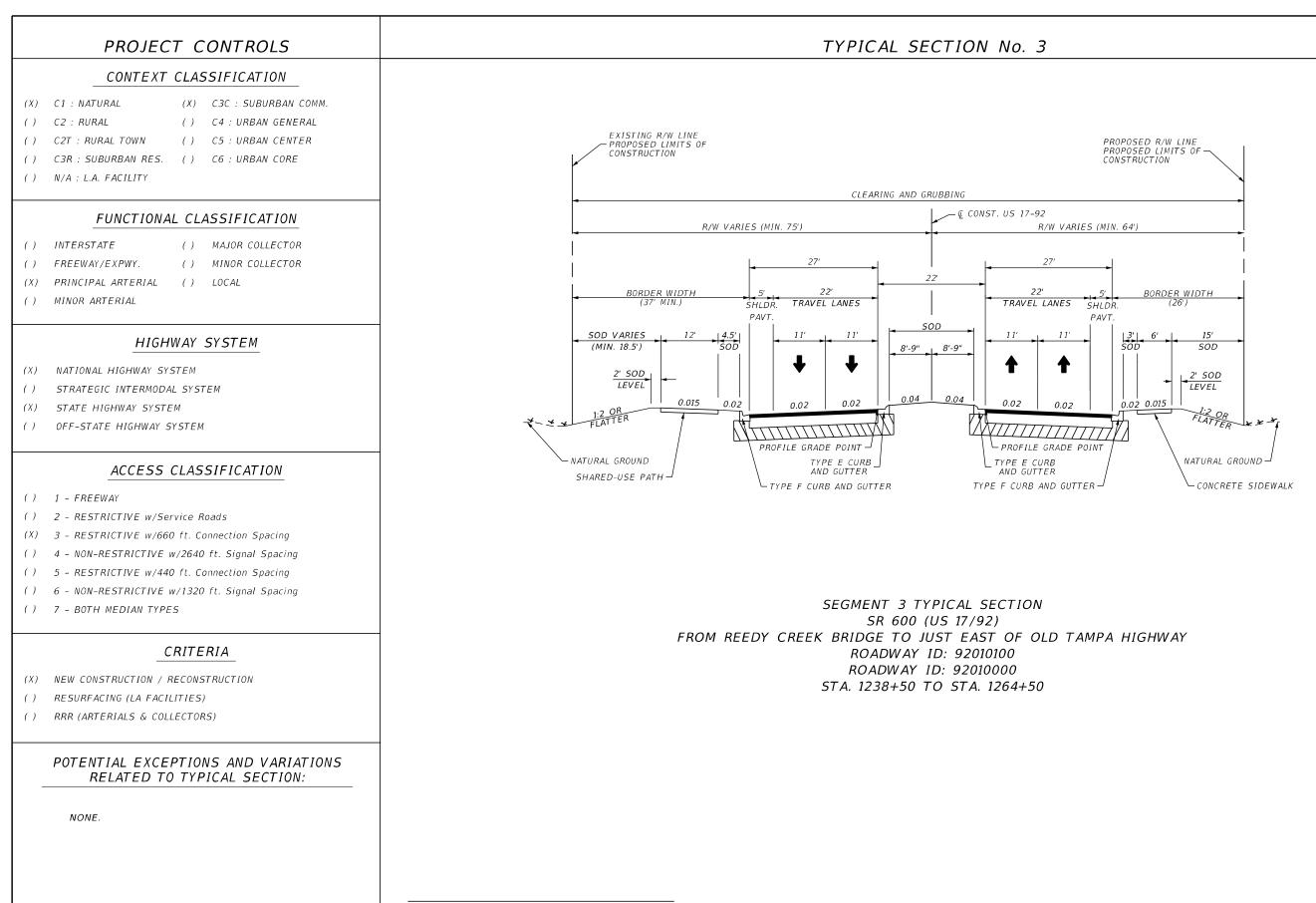
Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks





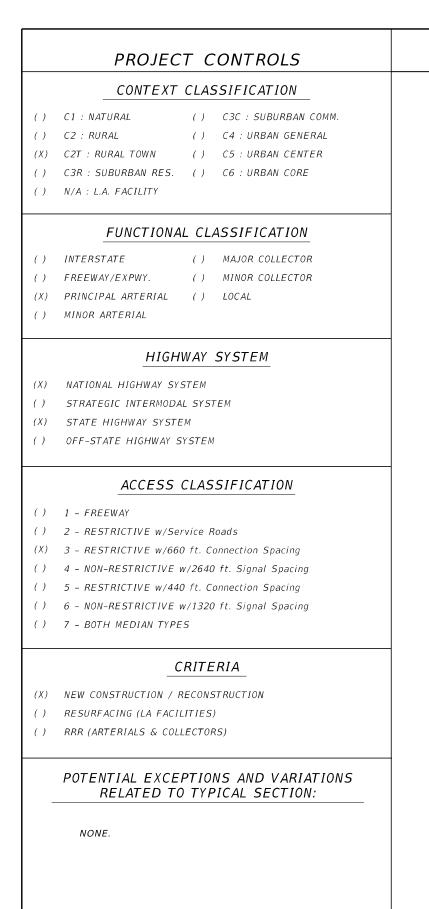


PROPOSED R/W LINE -R/W VARIES (MIN. 122') EXISTING BRIDGE STRUCTURE SHLDR LANE LANE 4 Ŧ MATCH EXISTING L\_\_\_\_\_ SHEET NO. FINANCIAL PROJECT ID 3 437200-1-22-01

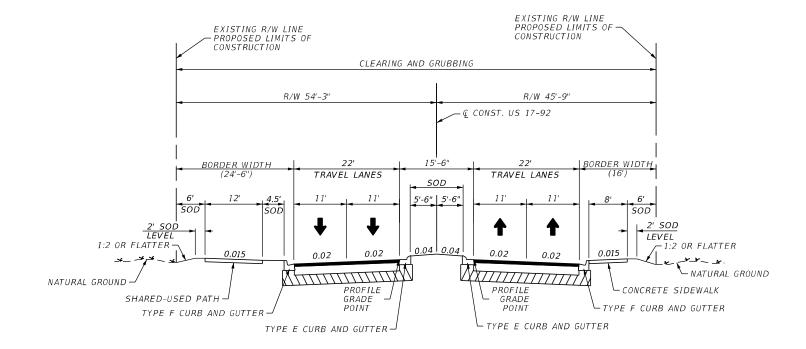


CURRENT YEAR = 2019 AADT = 28,000ESTIMATED OPENING YEAR = 2025 AADT = 30,000 ESTIMATED DESIGN YEAR = 2045 AADT = 37,500 K = 9 % D = 57 % T = 10 % (24 HOUR)DESIGN SPEED = 45 MPHPOSTED SPEED = 45 MPH TARGET SPEED = 45 MPH

| FINANCIAL PROJECT ID | SHEET<br>NO. |
|----------------------|--------------|
| 437200-1-22-01       | 4            |



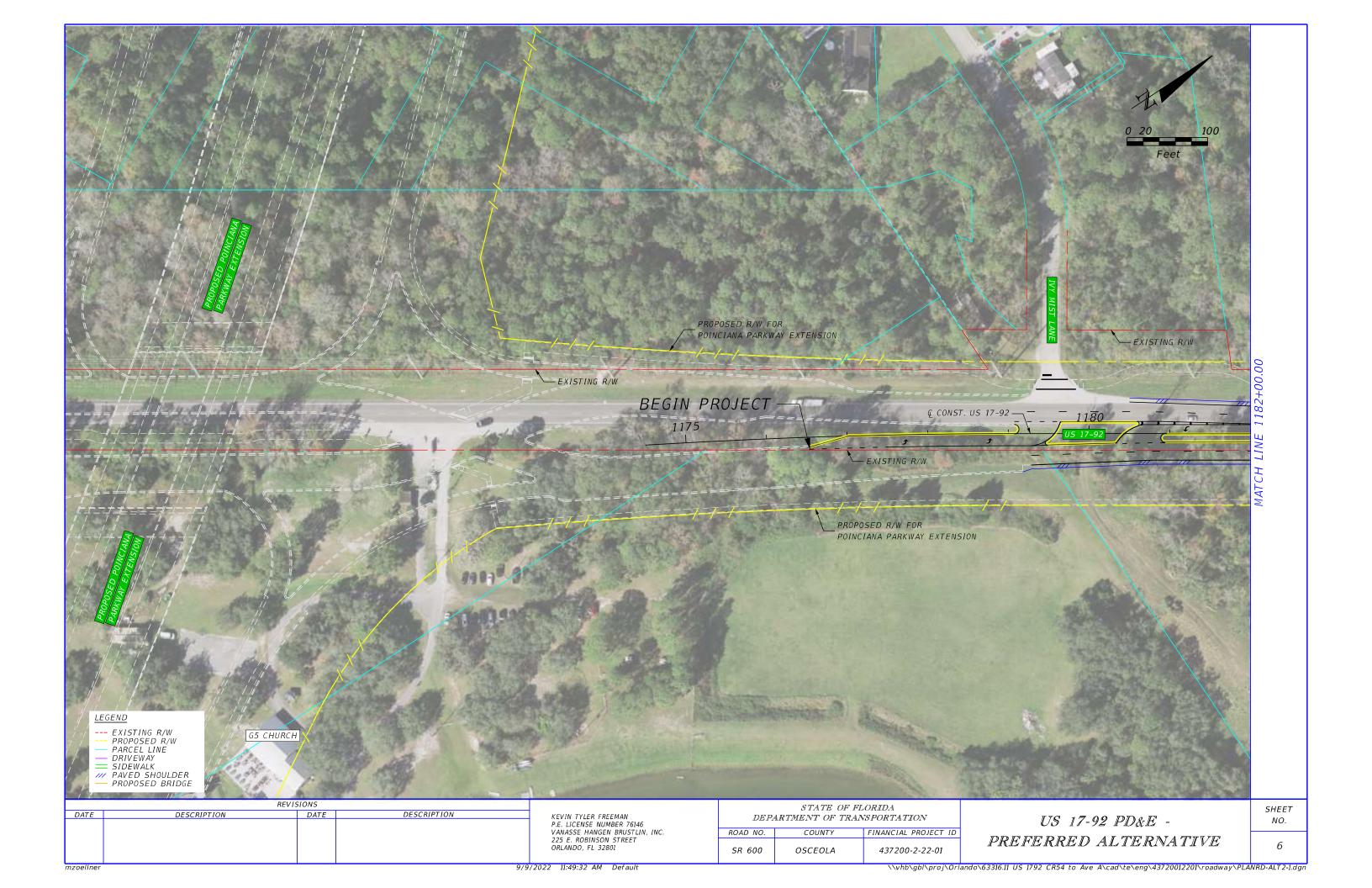
#### TYPICAL SECTION No. 4

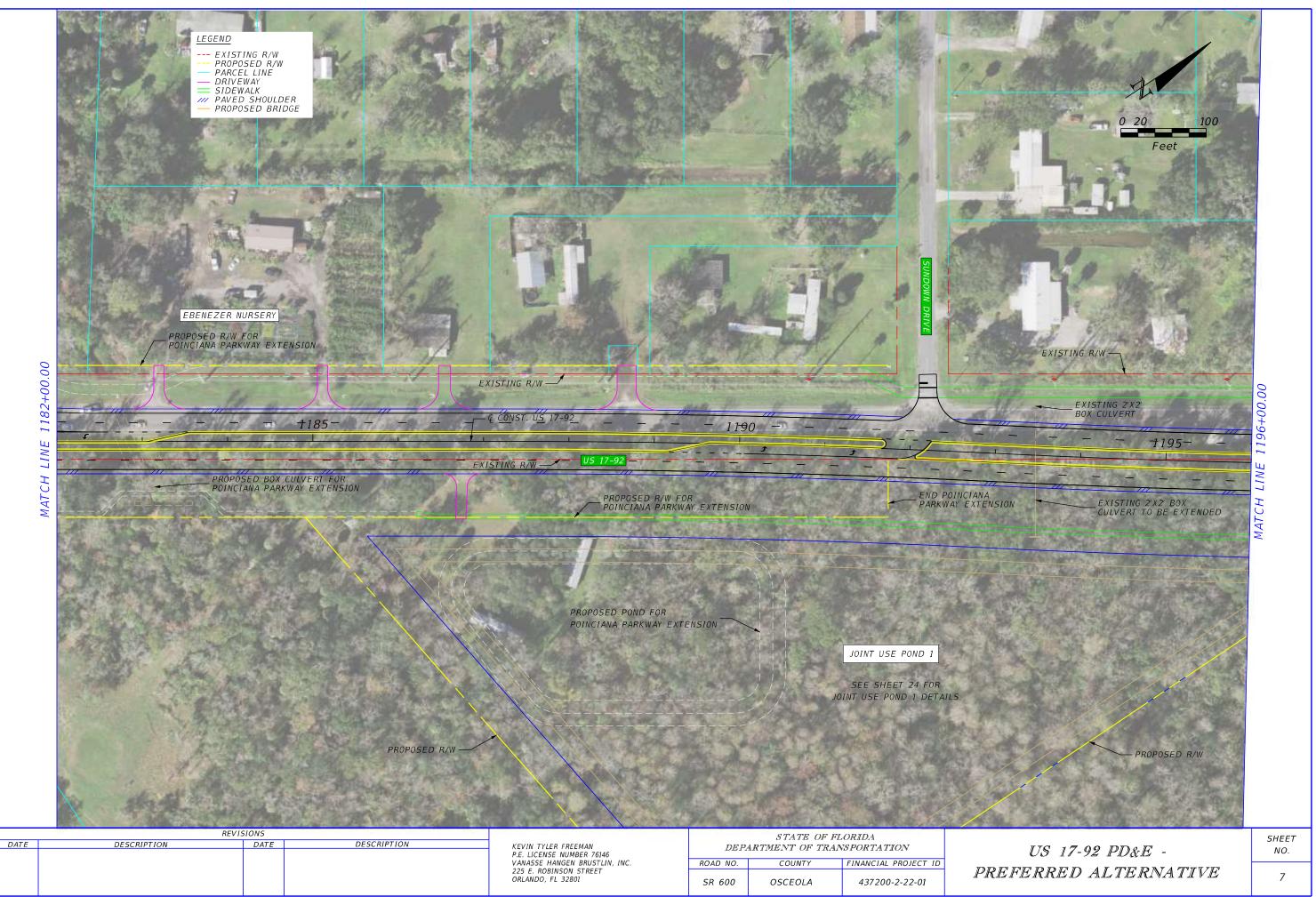


SEGMENT 4 TYPICAL SECTION SR 600 (US 17/92) FROM JUST WEST OF SUWANNEE AVENUE TO NOCATEE STREET/SHEPHERD LANE ROADWAY ID: 92010000 STA. 1317+00 TO STA. 1345+00

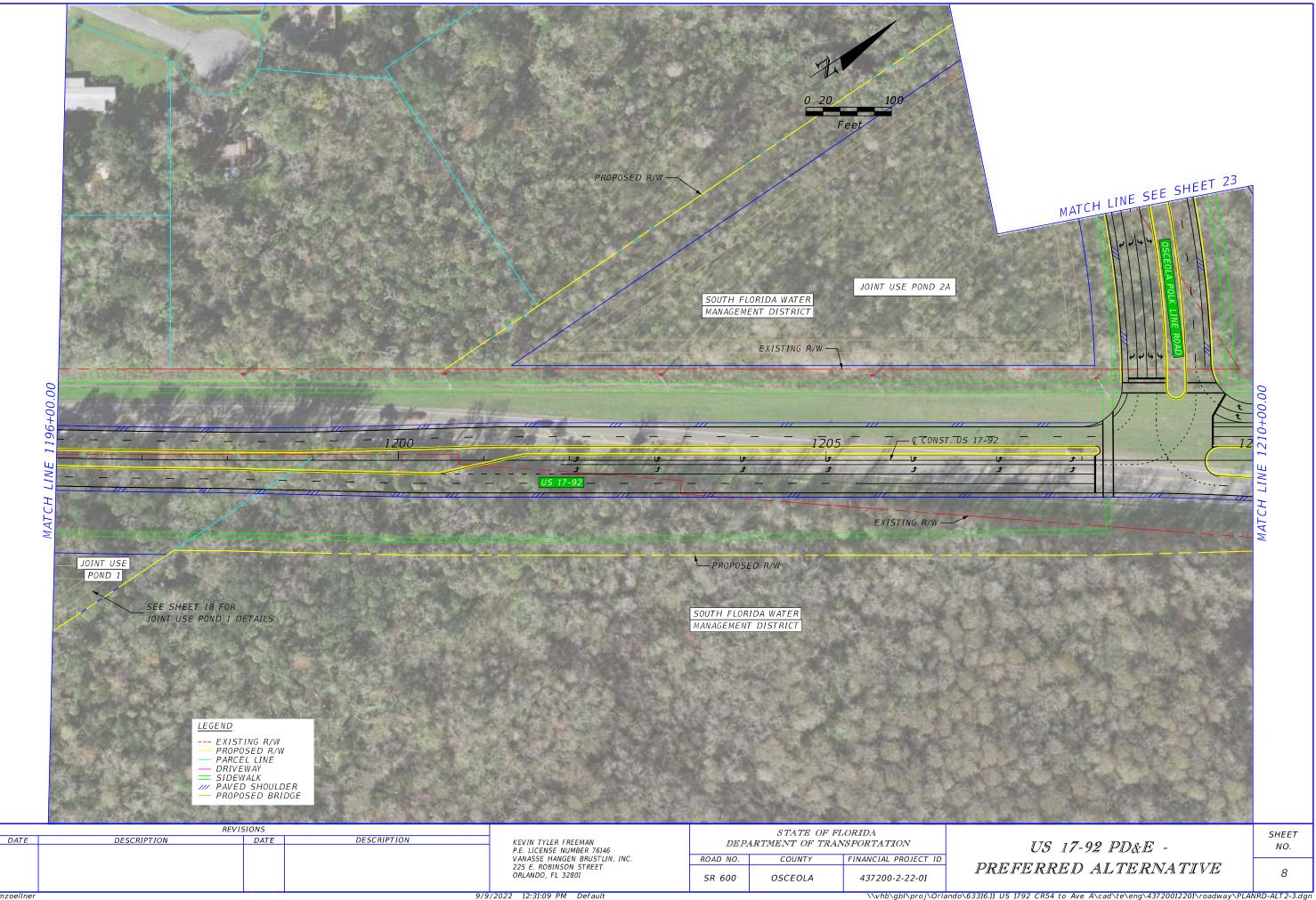
CURRENT YEAR = 2019 AADT = 25,500ESTIMATED OPENING YEAR = 2025 AADT = 27,500ESTIMATED DESIGN YEAR = 2045 AADT = 34,000 K = 9 % D = 57 % T = 10 % (24 HOUR)DESIGN SPEED = 30 MPH POSTED SPEED = 30 MPH TARGET SPEED = 30 MPH

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|----------------------|--------------|
| 437200-1-22-01       | 5            |

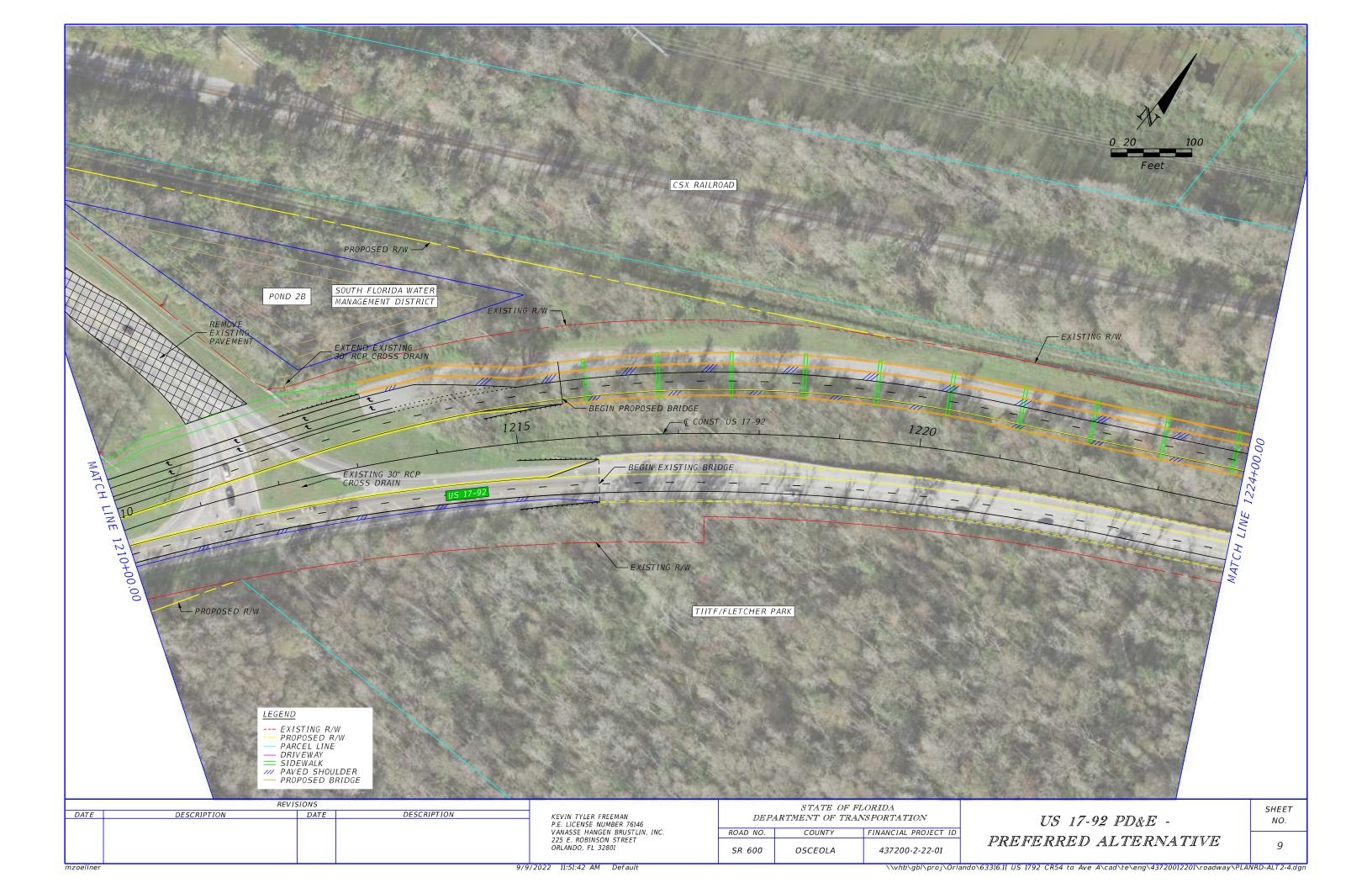


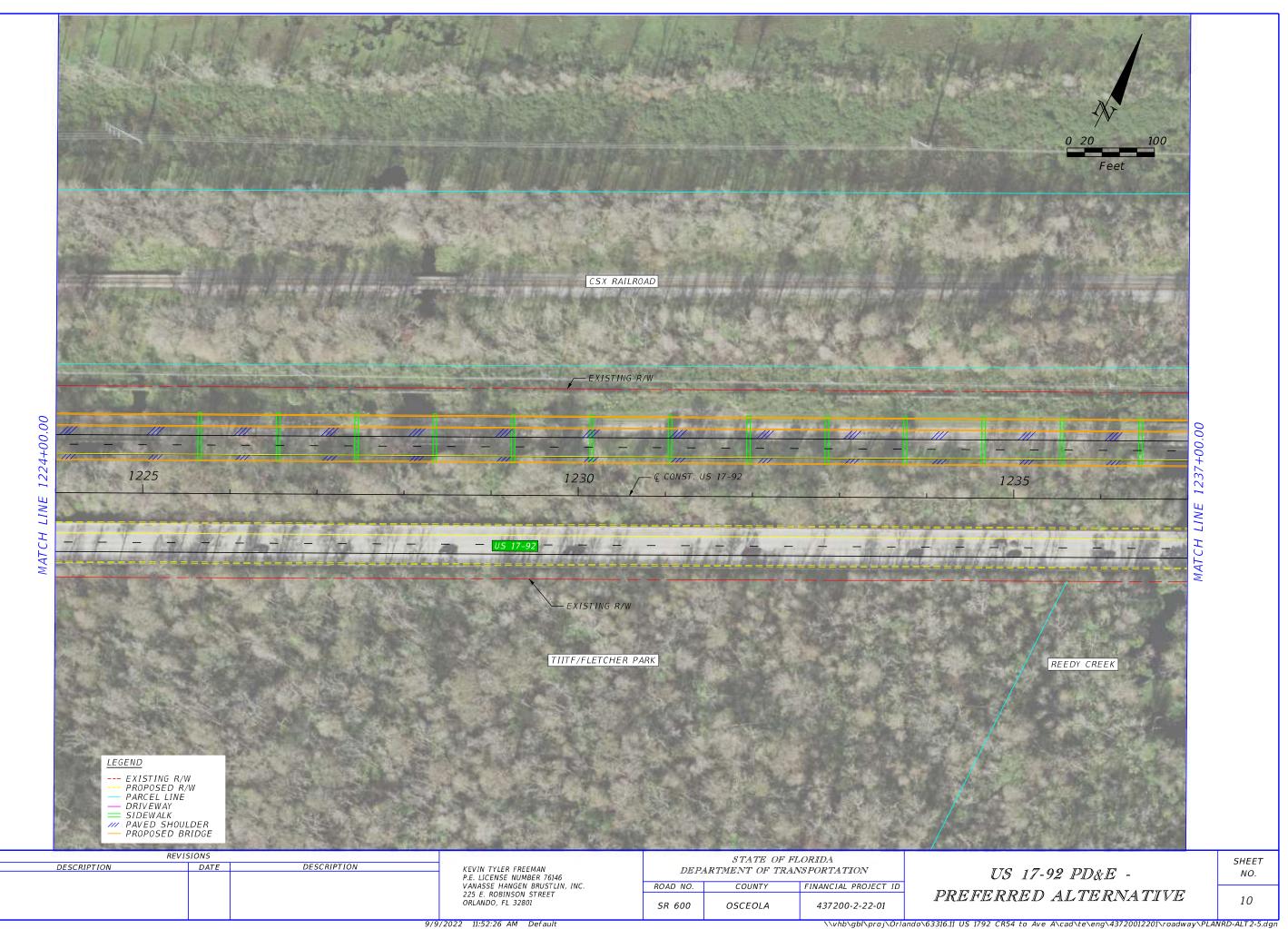


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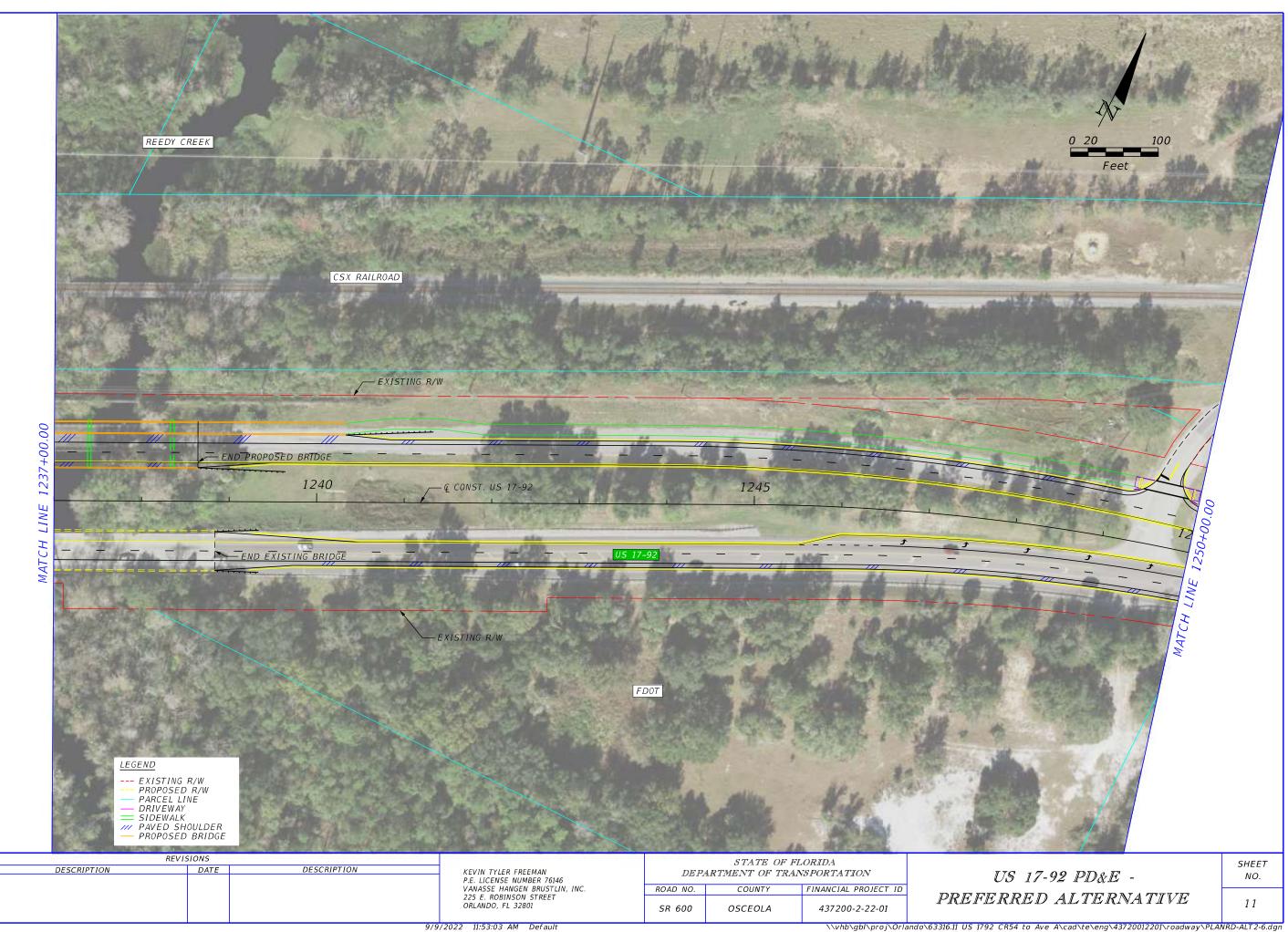


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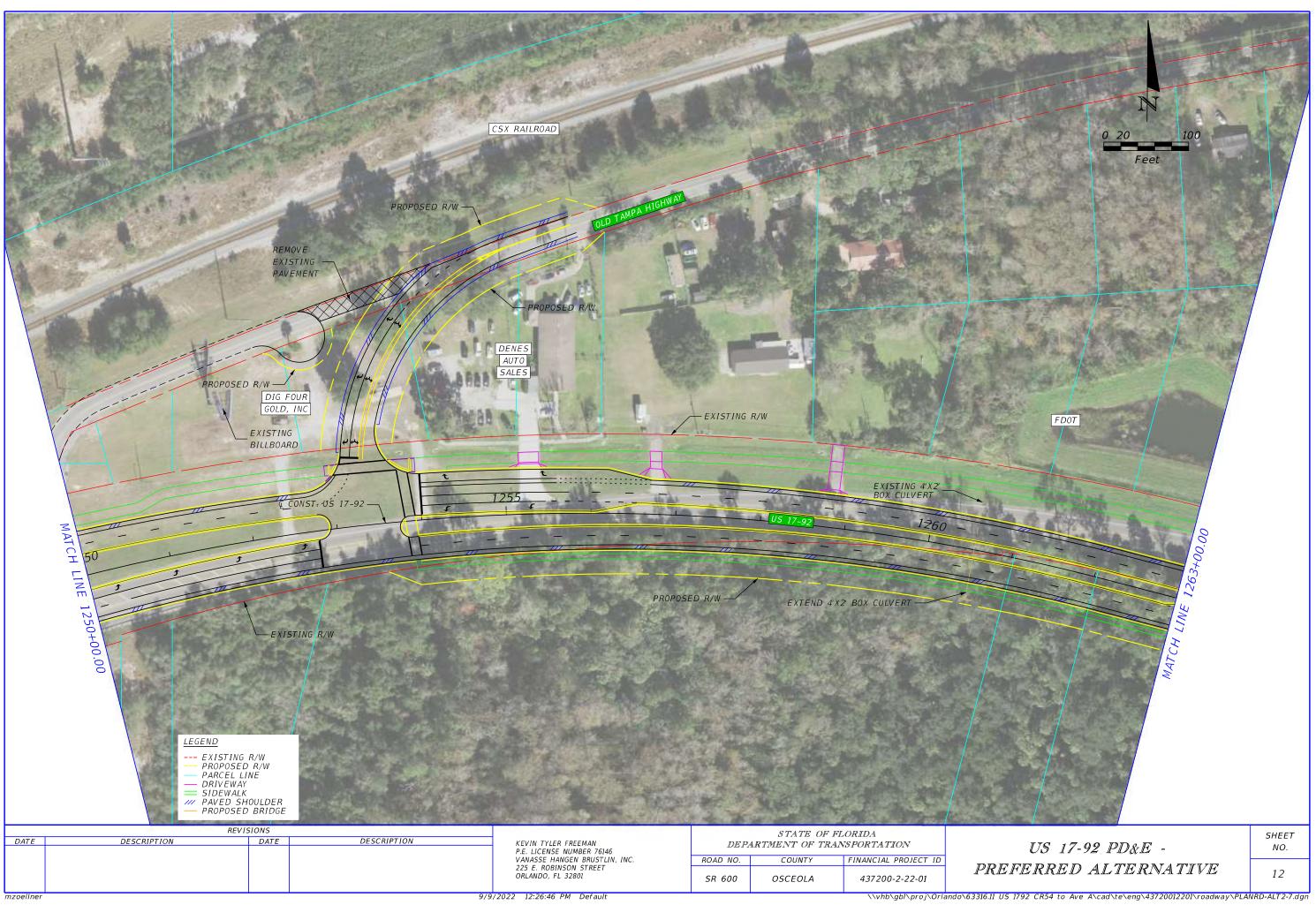


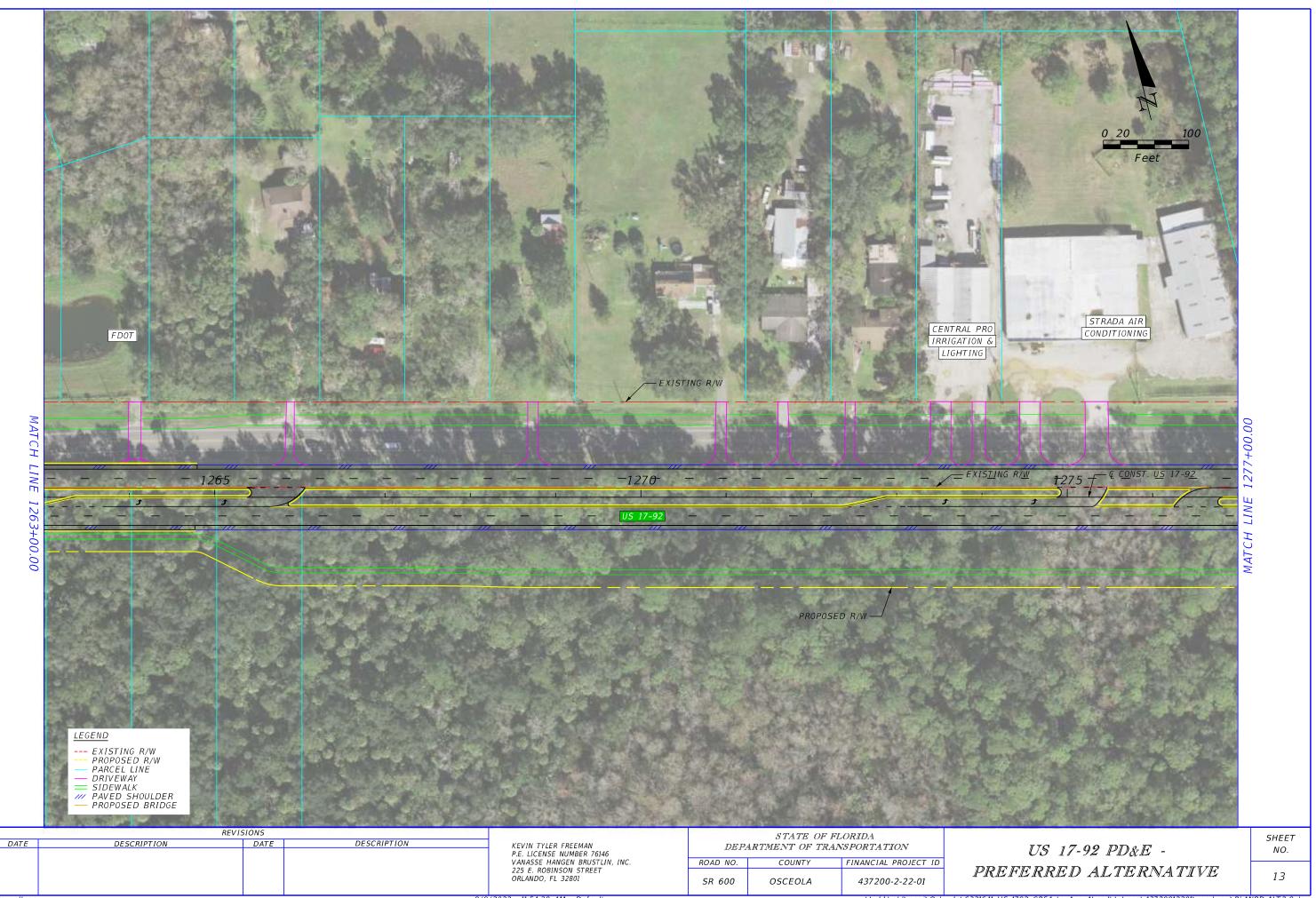
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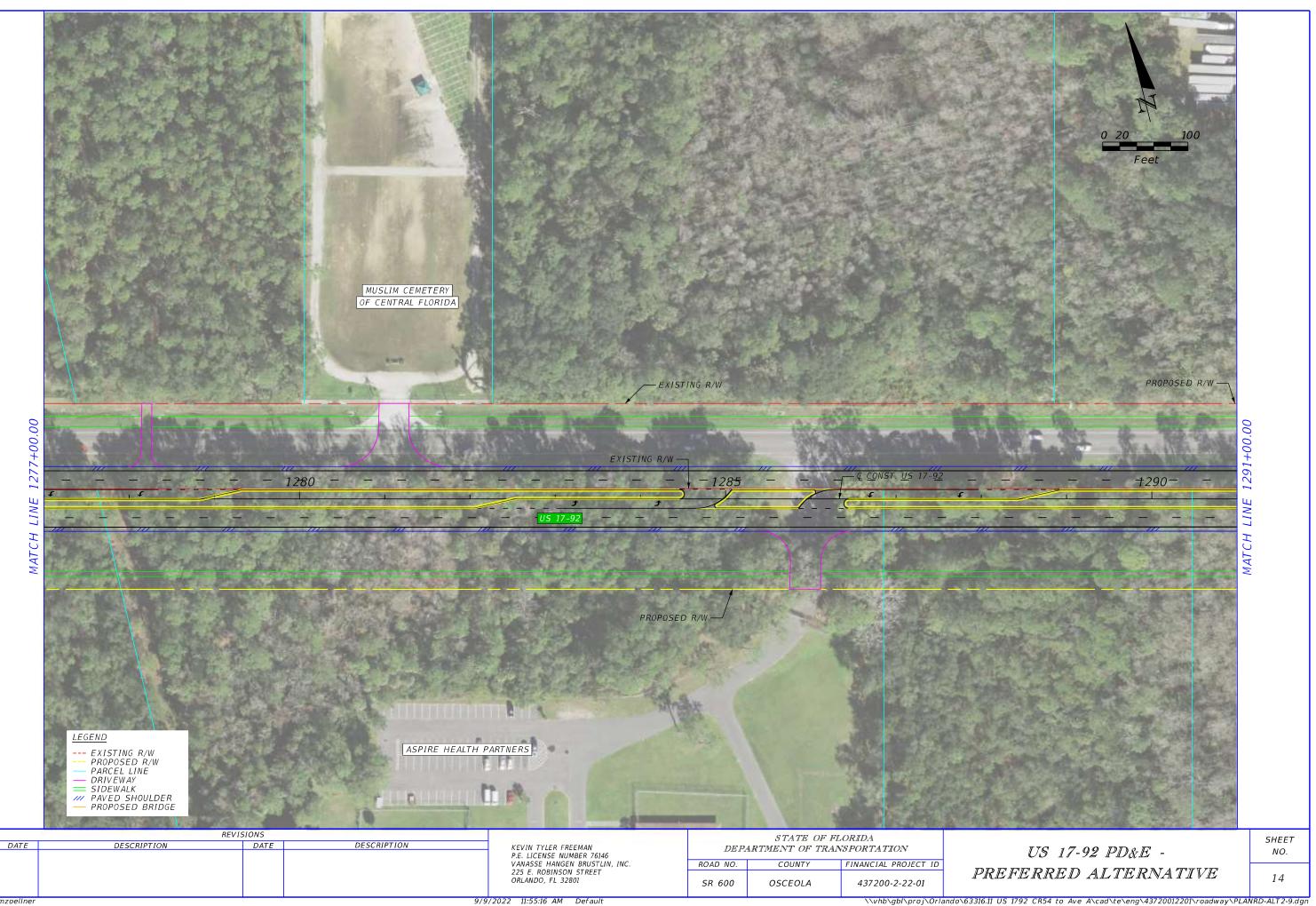
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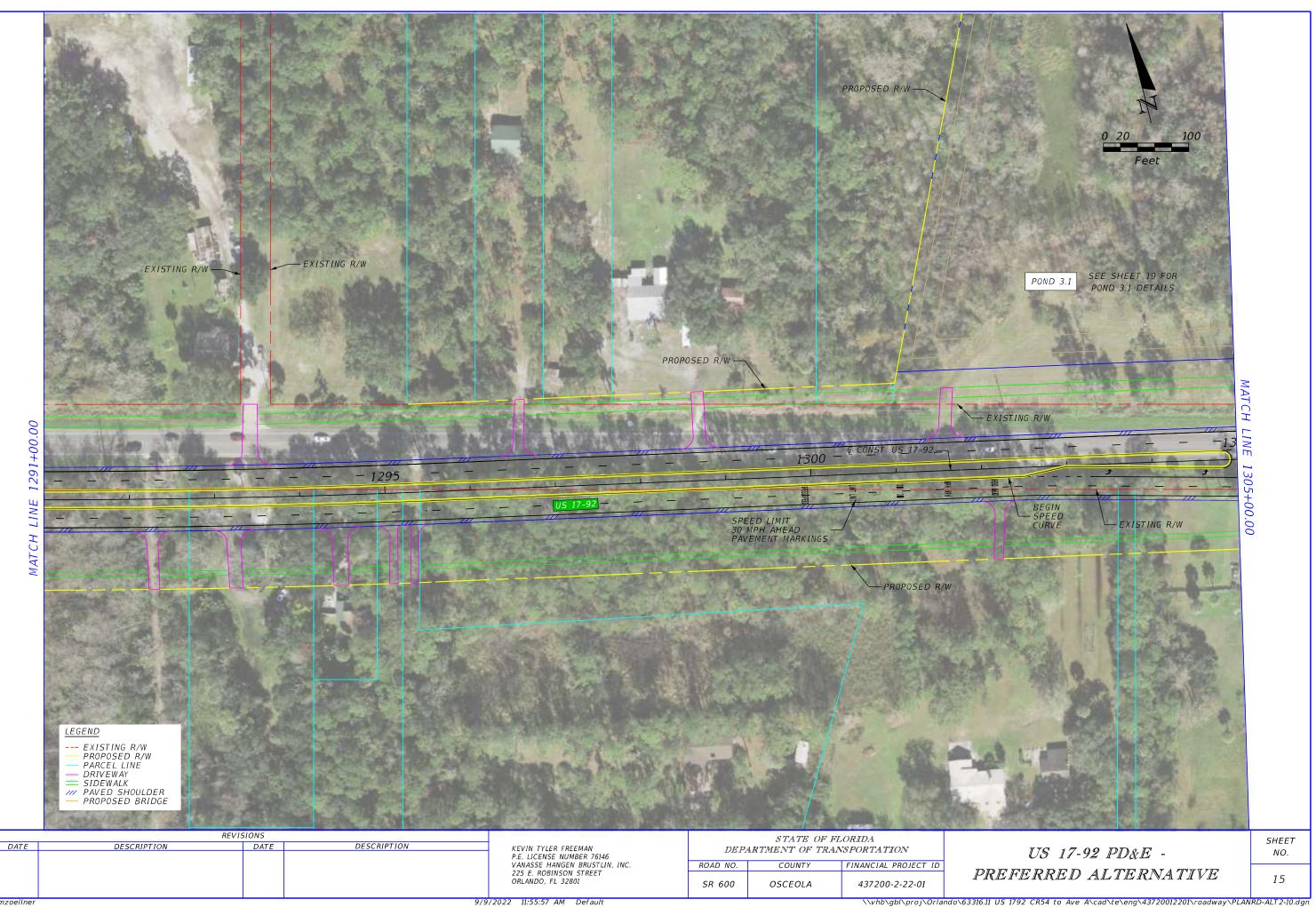
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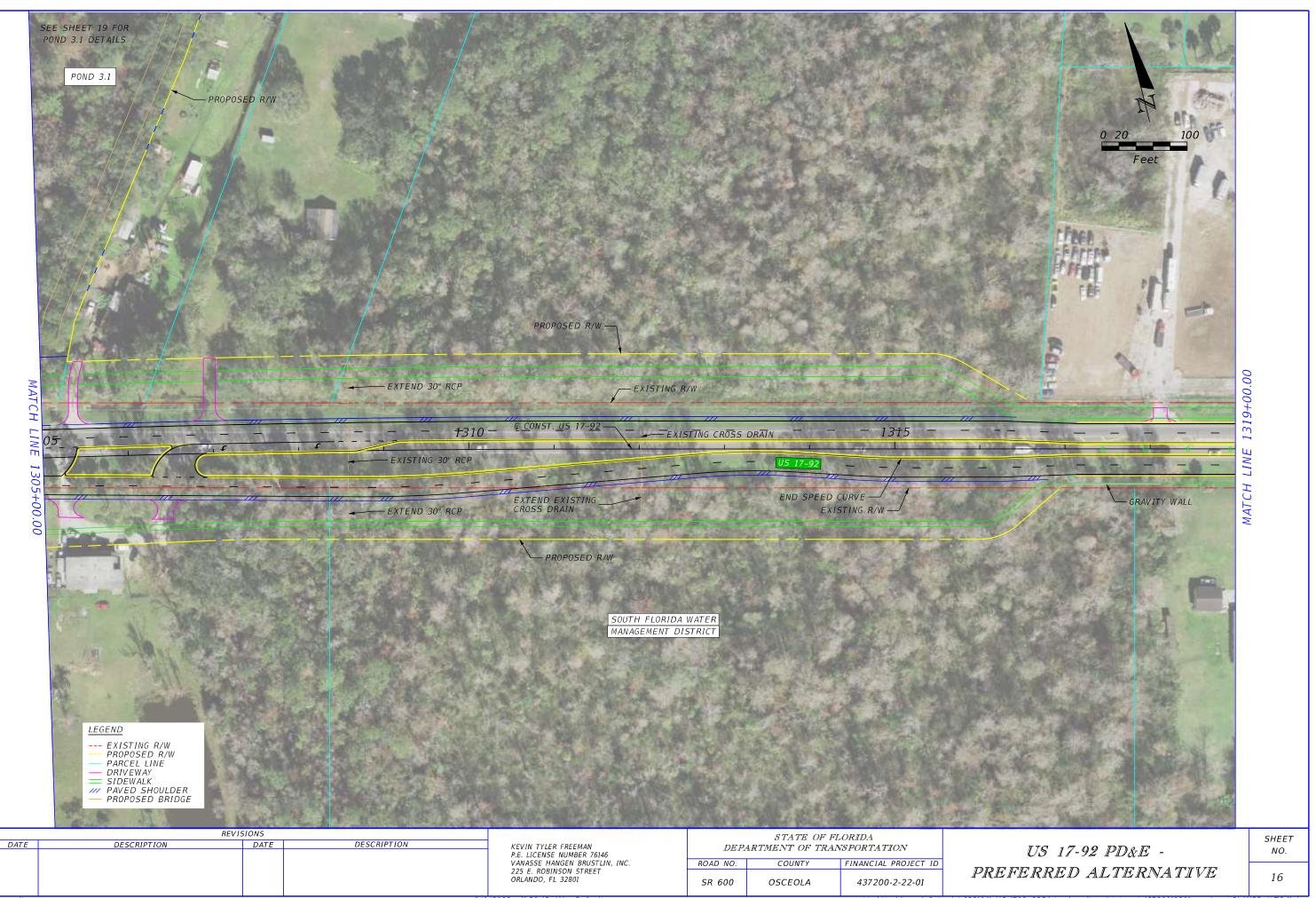




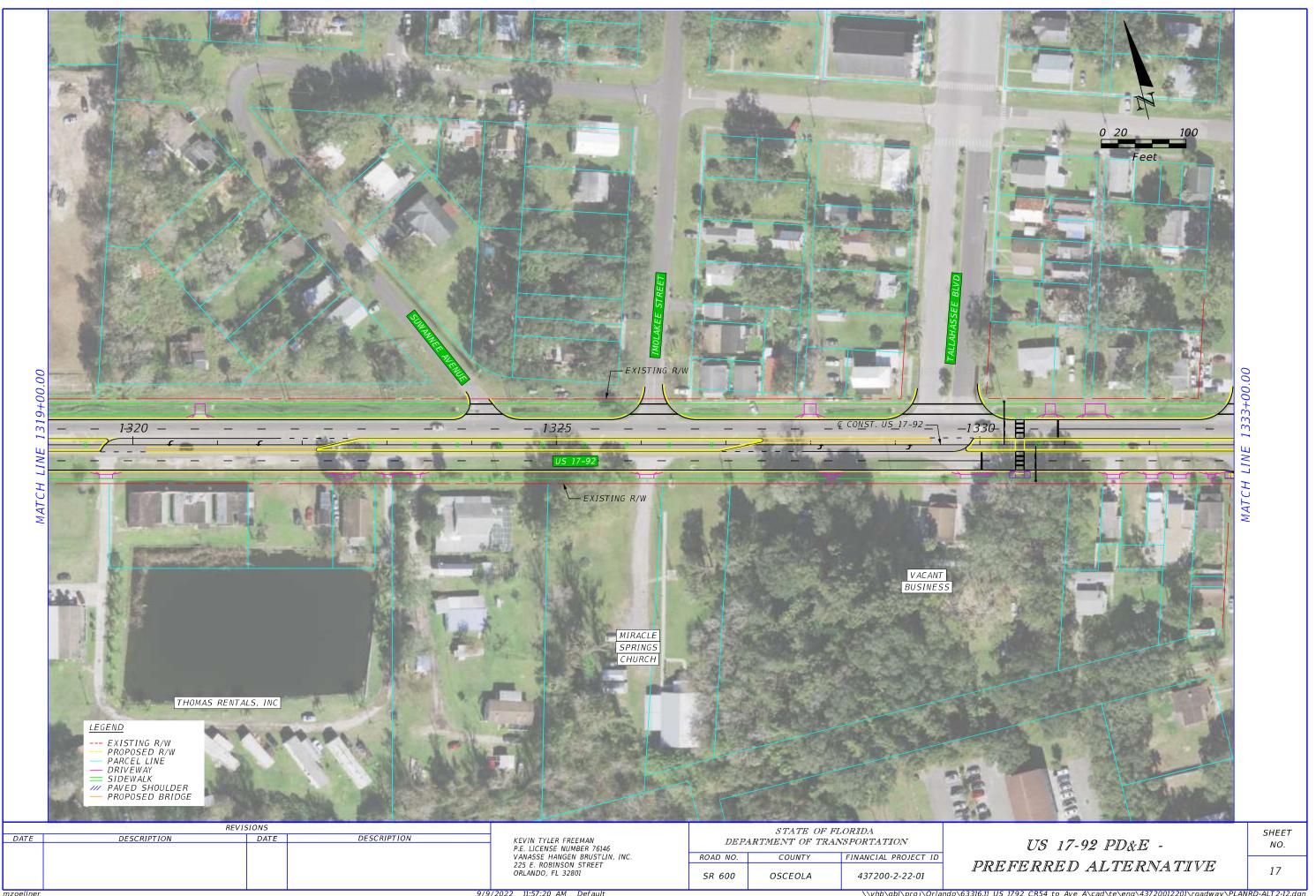
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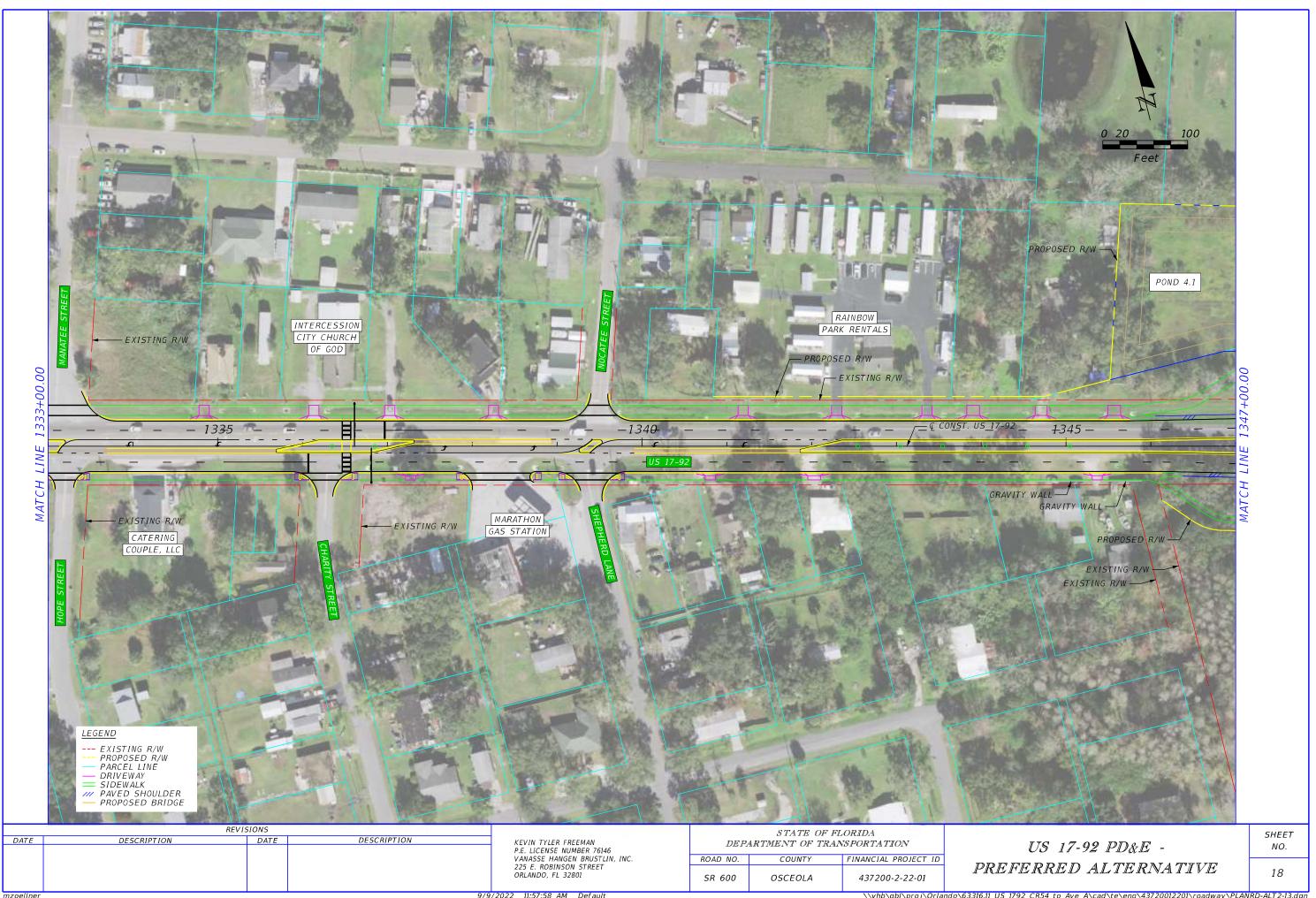


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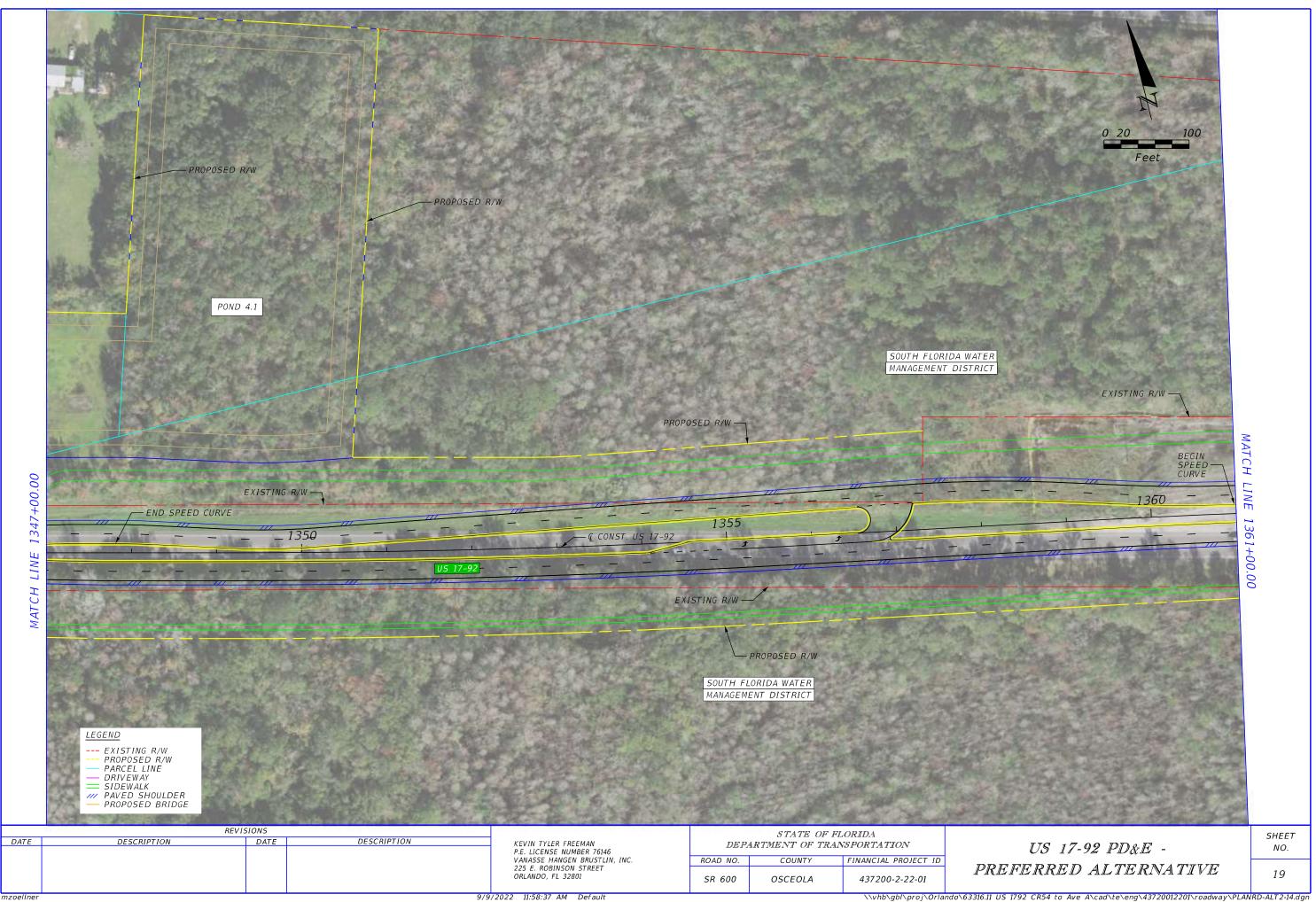


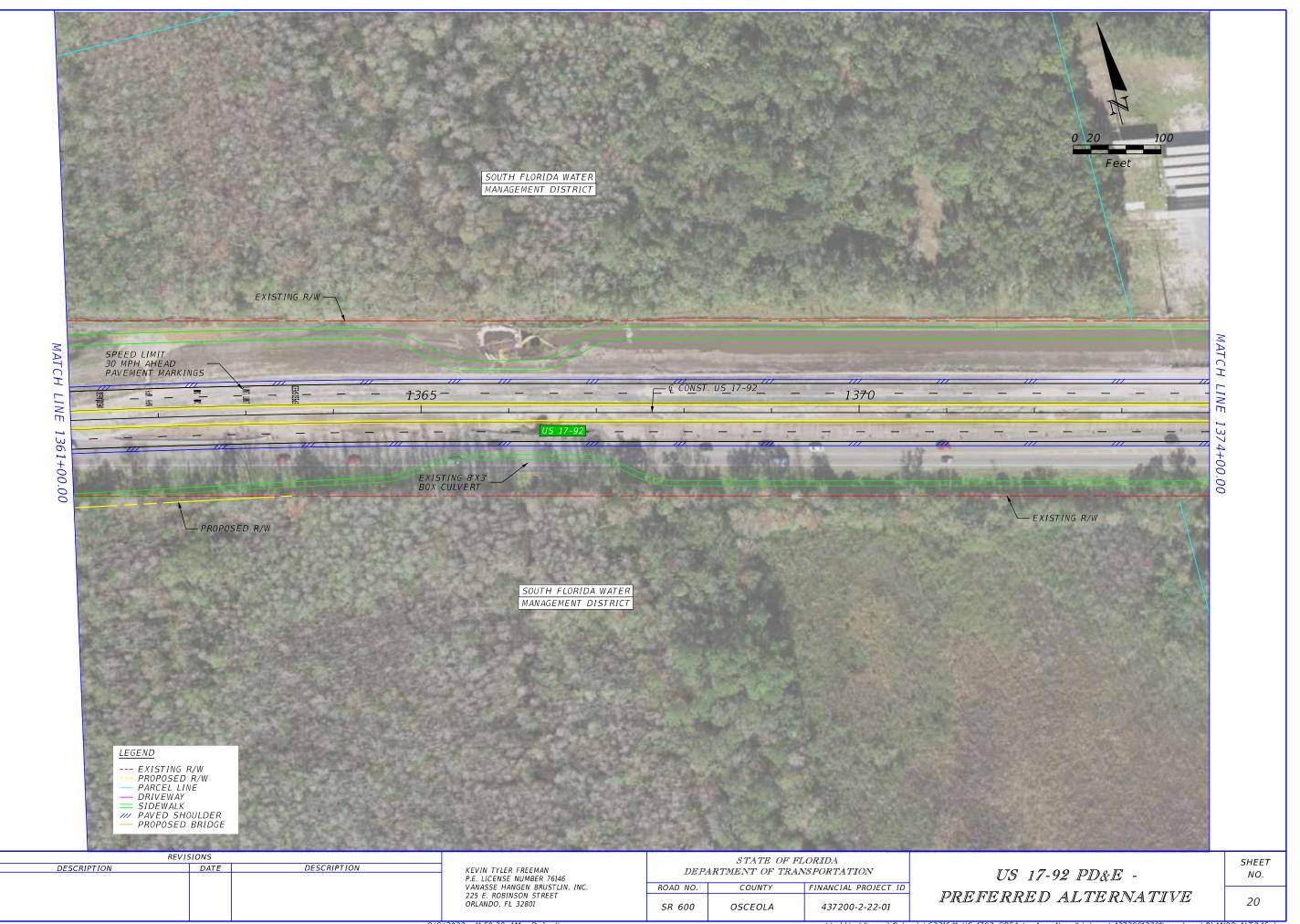
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