

**UTILITY PERMIT**

|                                                                                                                                                                                                                                                                                                                                                  |  |                                                                        |                                                |                               |                                                  |                       |                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------|------------------------------------------------|-------------------------------|--------------------------------------------------|-----------------------|------------------------------------------|
| <b>PERMIT NO.:</b> 2016-H-194-231                                                                                                                                                                                                                                                                                                                |  | <b>SECTION NO.:</b> 13075010                                           |                                                | <b>STATE ROAD</b> 93          |                                                  | <b>COUNTY</b> MANATEE |                                          |
| <b>FDOT construction is proposed or underway.</b>                                                                                                                                                                                                                                                                                                |  |                                                                        | <input checked="" type="checkbox"/> <b>Yes</b> |                               | <input type="checkbox"/> <b>No</b>               |                       | <b>Financial Project ID:</b> 20103265901 |
| <b>Is this work related to an approved Utility Work Schedule?</b>                                                                                                                                                                                                                                                                                |  |                                                                        | <input checked="" type="checkbox"/> <b>Yes</b> |                               | <input type="checkbox"/> <b>No</b>               |                       | <b>If yes, Document Number:</b> 5548277  |
| <b>PERMITTEE:</b>                                                                                                                                                                                                                                                                                                                                |  | Manatee County                                                         |                                                |                               |                                                  |                       |                                          |
| <b>ADDRESS:</b>                                                                                                                                                                                                                                                                                                                                  |  | 1022 26th Avenue East                                                  |                                                |                               | <b>TELEPHONE NUMBER:</b> (941) 708-7487 ext.7487 |                       |                                          |
| <b>CITY/STATE/ZIP:</b>                                                                                                                                                                                                                                                                                                                           |  | Bradenton, FL 34208-3926                                               |                                                |                               |                                                  |                       |                                          |
| <p><b>The above PERMITTEE requests permission from the State of Florida Department of Transportation, hereinafter called the FDOT, to construct, operate and maintain the following:</b> This work effort is related to FPID 201032-6-52-01 SR 64 at SR 93 (I-75). The scope of work entails new pullboxes, open trench ... (see cont. page)</p> |  |                                                                        |                                                |                               |                                                  |                       |                                          |
| <b>FROM:</b> 66 St Ct E                                                                                                                                                                                                                                                                                                                          |  |                                                                        |                                                | <b>TO:</b> Grand Harbour Pkwy |                                                  |                       |                                          |
| <b>Submitted for the PERMITTEE by:</b><br>Name and Company<br>(Typed or Printed Legibly)                                                                                                                                                                                                                                                         |  | <b>Contact Information</b><br>Address/Telephone/E-Mail (if applicable) |                                                | <b>Signature</b>              |                                                  | <b>Date</b>           |                                          |
| SIA MOLLANAZAR                                                                                                                                                                                                                                                                                                                                   |  | 2601 Cattlemen Road Suite 400 Sarasota, FL 34                          |                                                | SIA MOLLANAZAR (sig)          |                                                  | 11/22/2016            |                                          |

- The Permittee declares that prior to filing this application, the location of all existing utilities that it owns or has an interest in, both aerial and underground, are accurately shown on the plans and a letter of notification was mailed on 11/08/2016 to the following utilities known to be involved or potentially impacted in the area of the proposed installation:  
charter \_\_\_\_\_.
- The local Maintenance or Resident Engineer, hereafter referred to as the FDOT Engineer, shall be notified a minimum of forty eight (48) hours in advance prior to starting work and again immediately upon completion of work. The FDOT's Engineer is Albert Rosenstein located at 1840 61st Street Sarasota, FL 34243, Telephone Number (941) 708-4401. The Permittee's employee responsible for MOT is \_\_\_\_\_, Telephone Number \_\_\_\_\_ (This name may be provided at the time of the forty eight (48) hour advance-notice prior to starting work).
- All work, materials, and equipment shall be subject to inspection and approval by the FDOT Engineer.
- All plans and installations shall conform to the requirements of the FDOT's UAM in effect as of the date this permit is approved by FDOT, and shall be made a part of this permit. This provision shall not limit the authority of the FDOT under Paragraph 8 of this Permit.
- This Permittee shall commence actual construction in good faith within 60 days after issuance of permit, and shall be completed within 51 days after the permitted work has begun. If the beginning date is more than sixty (60) days from the date of permit approval, the Permittee must review the permit with the FDOT Engineer to make sure no changes have occurred to the Transportation Facility that would affect the permitted construction.
- The construction and maintenance of such utility shall not interfere with the property and rights of a prior Permittee.
- It is expressly stipulated that this permit is a license for permissive use only and that the placing of utilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder, except as provided in executed subordination and Railroad Utility Agreements.
- Pursuant to Section 337.403, Florida Statutes, any utility placed upon, under, over, or along any public road or publicly owned rail corridor that is found by FDOT to be unreasonably interfering in any way with the convenient, safe, or continuous use, or maintenance, improvement, extension, or expansion, of such public road or publicly owned rail corridor shall, upon thirty (30) days written notice to the utility or its agent by FDOT, be removed or relocated by such utility at its own expense except as provided in Section 337.403(1), Florida Statutes, and except for reimbursement rights set forth in previously executed subordination and Railroad Utility Agreements, and shall apply to all successors and assigns for the permitted facility.
- It is agreed that in the event the relocation of said utilities are scheduled to be done simultaneously with the FDOT's construction work, the Permittee will coordinate with the FDOT before proceeding and shall cooperate with the FDOT's contractor to arrange the sequence of work so as not to delay the work of the FDOT's contractor, defend any legal claims of the FDOT's contractor due to delays caused by the Permittee's failure to comply with the approved schedule, and shall comply with all provisions of the law and the FDOT's current UAM. The Permittee shall not be responsible for delay beyond its control.
- In the case of non-compliance with the FDOT's requirements in effect as of the date this permit is approved, this permit is void and the facility will have to be brought into compliance or removed from the R/W at no cost to the FDOT, except for reimbursement rights set forth in previously executed subordination and Railroad Utility Agreements. This provision shall not limit the authority of the FDOT under Paragraph 8 of this Permit.
- It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the State's right, title and interest in the land to be entered upon and used by the Permittee, and the Permittee will, at all times, and to the extent permitted by law, assume all risk of and indemnify, defend, and save harmless the State of Florida and the FDOT from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by said Permittee of the aforesaid rights and privileges.
- During construction, all safety regulations of the FDOT shall be observed and the Permittee must take measures, including placing and the display of safety devices that may be necessary in order to safely conduct the public through the project area in accordance with the Federal MUTCD, as amended by the UAM.
- Should the Permittee be desirous of keeping its utilities in place and out of service, the Permittee, by execution of this permit acknowledges its present and continuing ownership of its utilities located between 66 St Ct E and Grand Harbour Pkwy within the FDOT's R/W as set forth above. Whenever the Permittee removes its facilities, it shall be at the Permittee's sole cost and expense. The Permittee, at its sole expense, shall promptly remove said out of service utilities whenever the FDOT determines said removal is in the public interest.
- In the event contaminated soil is encountered by the Permittee or anyone within the permitted construction limits, the Permittee shall immediately cease work and notify the FDOT. The FDOT shall notify the Permittee of any suspension or revocation of the permit to allow contamination assessment and remediation. Said suspension or revocation shall remain in effect until otherwise notified by FDOT.
- For any excavation, construction, maintenance, or support activities performed by or on behalf of the FDOT, within its R/W, the Permittee may be required by the FDOT or its agents to perform the following activities with respect to a Permittee's facilities: physically expose or direct exposure of underground facilities, provide any necessary support to facilities and/or cover, de-energize or alter aerial facilities as deemed necessary for protection and safety.

**UTILITY PERMIT**

- 16. Pursuant to Section 337.401(2), Florida Statutes, the permit shall require the permit holder to be responsible for damage resulting from the issuance of the permit. The FDOT may initiate injunctive proceedings as provided in s.120.69 to enforce provisions of this subsection or any rule or order issued or entered into pursuant thereto.
- 17. Pursuant to Section 337.402, Florida Statutes, when any public road or publicly owned rail corridor is damaged or impaired in any way because of the installation, inspection, or repair of a utility located on such road or publicly owned rail corridor, the owner of the utility shall, at his or her own expense, restore the road or publicly owned rail corridor to its original condition before such damage. If the owner fails to make such restoration, the authority is authorized to do so and charge the cost thereof against the owner under the provisions of s.337.404.
- 18. The Permittee shall comply with all provisions of Chapter 556, Florida Statutes, Underground Facilities Damage Prevention and Safety Act.
- 19. Special FDOT instructions: \_\_\_\_\_

1. PERMIT VOID UNLESS DOT MANATEE OPERATIONS OFFICE IS NOTIFIED 48 HOURS IN ADVANCE OF STARTING WORK. PHONE: (941) 708-4400 2. SOD ALL PORTIONS OF DISTURBED RIGHT-OF-WAY.

It is understood and agreed that commencement by the Permittee is acknowledgment and acceptance of the binding nature of all the above listed permit conditions and special instructions.

- 20. By receipt of this permit, the Permittee acknowledges responsibility to comply with Section 119.07, Florida Statutes.
- 21. By the below signature, the Permittee hereby represents that no change to the FDOT's standard Utility Permit form, as incorporated by reference into Rule 14-46.001, for this Utility Permit has been made which has not been previously called to the attention of the FDOT (and signified to by checking the appropriate box below) by a separate attached written document showing all changes and the written and dated approval of the FDOT Engineer. Are there attachments reflecting change/s to the standard form?  NO  YES If Yes, \_\_\_\_\_ pages are attached.

|                     |                                                                                         |                  |                |                    |            |
|---------------------|-----------------------------------------------------------------------------------------|------------------|----------------|--------------------|------------|
| <b>PERMITTEE</b>    | Manatee County                                                                          | <b>SIGNATURE</b> | Manatee County | <b>DATE:</b>       | 11/22/2016 |
|                     | <b>Name &amp; Title of Authorized Permittee or Agent<br/>(Typed or Printed Legibly)</b> |                  |                |                    |            |
| <b>APPROVED BY:</b> | Albert Rosenstein (sig)                                                                 |                  |                | <b>ISSUE DATE:</b> | 12/14/2016 |
|                     | <b>District Maintenance Engineer or Designee</b>                                        |                  |                |                    |            |

**UTILITY PERMIT FINAL INSPECTION CERTIFICATION**

|                                                  |              |
|--------------------------------------------------|--------------|
| <b>DATE:</b>                                     |              |
| <b>DATE WORK STARTED:</b>                        |              |
| <b>DATE WORK COMPLETED:</b>                      |              |
| <b>INSPECTED BY:</b>                             |              |
| (Permittee or Agent)                             |              |
| <b>CHANGE APPROVED BY:</b> N/A                   | <b>DATE:</b> |
| <b>District Maintenance Engineer or Designee</b> |              |

I the undersigned Permittee do hereby CERTIFY that the utility construction approved by the above numbered permit was inspected and installed in accordance with the approved plans made a part of this permit and in accordance with the FDOT's current UAM. All plan changes have been approved by the FDOT's Engineer and are attached to this permit. I also certify that the work area has been left in as good or better condition than when the work was begun.

|                                                                                         |                                  |              |
|-----------------------------------------------------------------------------------------|----------------------------------|--------------|
| <b>PERMITTEE:</b> Manatee County                                                        | <b>SIGNATURE:</b> Manatee County | <b>DATE:</b> |
| <b>Name &amp; Title of Authorized Permittee or Agent<br/>(Typed or Printed Legibly)</b> |                                  |              |

CC: District Permit Office  
Permittee

**APPROVED**  
2016-H-194-231  
Albert Rosenstein  
12/14/2016



## Starr, Jason

---

**From:** Blake Gross <bgross@omni-communications.com>  
**Sent:** Tuesday, November 8, 2016 2:12 PM  
**To:** Cruzan, James L; Fleming, James A (James.Fleming1@charter.com); Coker, Greg (Greg.Coker@fpl.com); Scott May (scott.may@mymanatee.org); Starr, Jason; Bill Kersey (bill.kersey@mymanatee.org); Michael.Sturm@mymanatee.org; djshanahan@tecoenergy.com; 'Cerrato Engineering'; denise.hutton (denise.hutton@ftr.com)  
**Cc:** maowen@transystems.com; amrivera (amrivera@transystems.com); Kim.Strickland@dot.state.fl.us; Deborah.Barnhill@dot.state.fl.us; Mike.Clark@dot.state.fl.us; Brent Postma  
**Subject:** 201032-6, I-75 at SR 64  
**Attachments:** I75\_SR64\_utility conflict\_stormsewer revisions.pdf

UAOs:

The Phase IV plans have been modified slightly to resolve a conflict between a proposed drainage pipe and a proposed Manatee County 12" force main. The changes are shown on the attached plan sheets. There does not appear to be any conflicts between the proposed drainage revisions and any other existing or proposed utility facilities, so no action is required on your part.

We will provide you a full set of final plans in pdf and dgn format for your records when they are received from the EOR sometime in the next couple days.

Feel free to contact me if you have any questions.

*Blake Gross*



Blake Gross, Utility Coordinator  
**OMNI Communications, LLC (Certified DBE, MBE, WBE)**  
8509 Benjamin Road, Suite E  
Tampa, FL 33634  
Office: (813) 852-1888 | Direct: (813) 682-0966 | Fax: (866) 485-3356  
[bgross@omni-communications.com](mailto:bgross@omni-communications.com)

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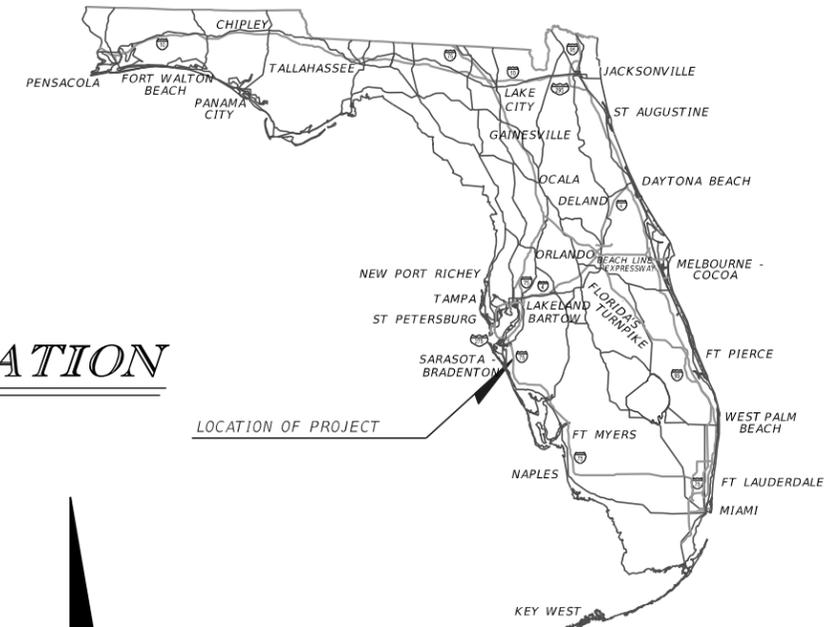
**APPROVED**  
2016-H-194-231  
Albert Rosenstein  
12/14/2016

**MANATEE COUNTY  
PUBLIC WORKS DEPARTMENT**

**CONTRACT PLANS**

MANATEE COUNTY (13075)  
PROJECT NUMBER 0004900  
STATE ROAD NO. 64

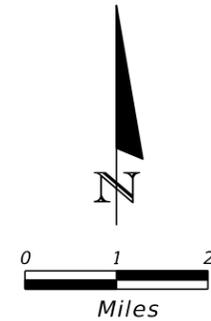
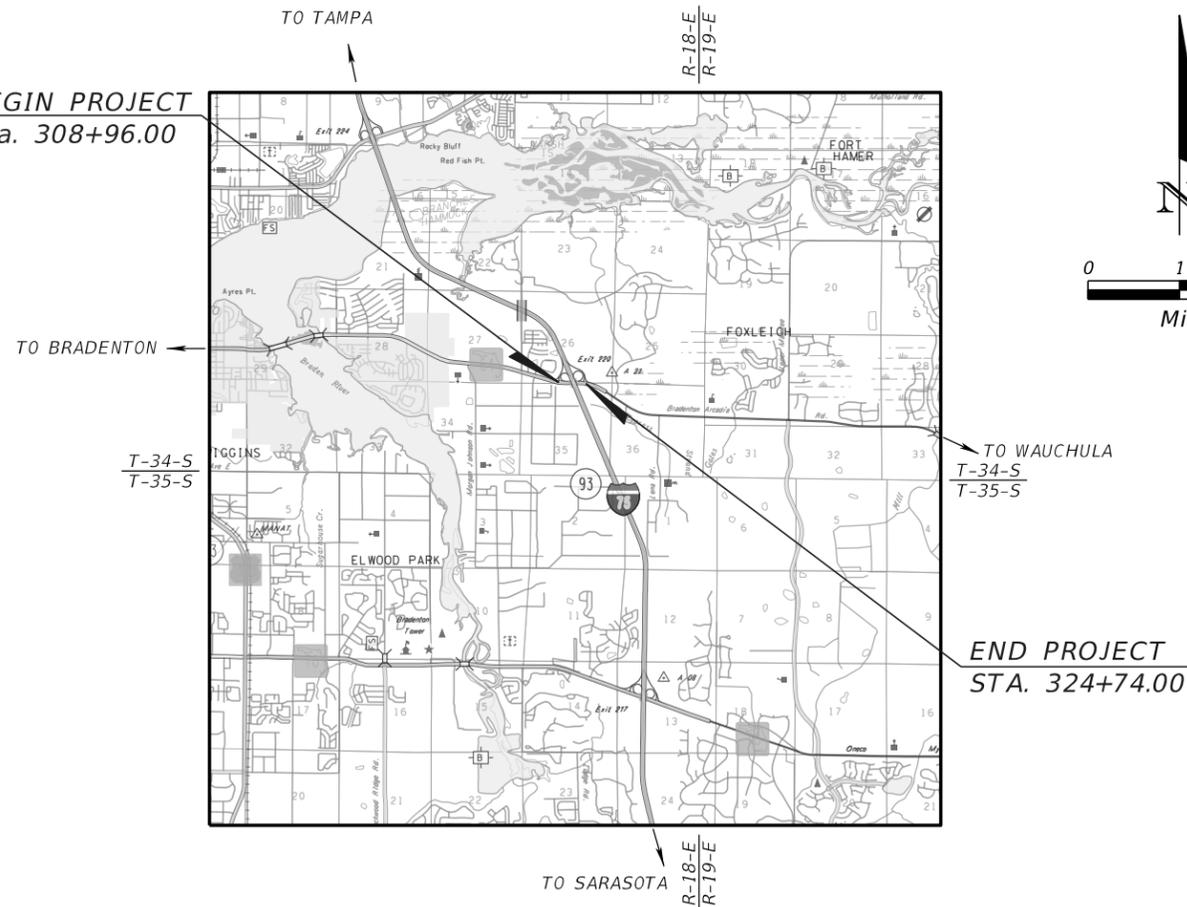
**MANATEE COUNTY SCHOOL BOARD IT RELOCATION**



**INDEX OF IT PLANS**

| SHEET NO.   | SHEET DESCRIPTION                     |
|-------------|---------------------------------------|
| IT-1        | KEY SHEET                             |
| IT-2        | SIGNATURE SHEET                       |
| IT-3        | TABULATION OF QUANTITIES              |
| IT-4        | PROJECT NOTES                         |
| IT-5 - IT-7 | PLAN SHEETS                           |
| IT-8 - IT-9 | SPLICE DIAGRAM                        |
| 62 - 63     | PROJECT LAYOUT (FOR INFORMATION ONLY) |

**BEGIN PROJECT**  
Sta. 308+96.00



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

**IT PLANS  
ENGINEER OF RECORD:**

JASON L. STARR, P.E.  
P.E. NO.: 70170  
HDR ENGINEERING, INC.  
2601 CATTLEMEN ROAD, SUITE 400  
SARASOTA, FLORIDA 34232  
FBPR CERTIFICATE OF AUTHORIZATION NO. 4213  
VENDOR NO. 47-0680568  
CONTRACT NO. C9480

**GOVERNING DESIGN STANDARDS:**

Florida Department of Transportation, FY2016-17 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:  
<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm>

**GOVERNING STANDARD SPECIFICATIONS:**

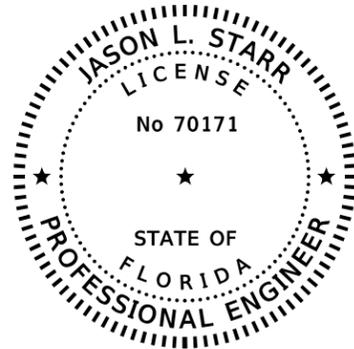
Florida Department of Transportation, July 2016 Standard Specifications for Road and Bridge Construction at the following website:  
<http://www.dot.state.fl.us/programmanagement/Implemented/SpecBooks>

| KEY SHEET REVISIONS |             |
|---------------------|-------------|
| DATE                | DESCRIPTION |
|                     |             |

MANATEE COUNTY PROJECT MANAGER: MICHAEL STURM, PE

**APPROVED**  
2016 F-194-251  
Albert Rosenstein  
FISCAL YEAR SHEET NO.  
16 17-1  
12/14/2016

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



THE DOCUMENT HAS BEEN DIGITALLY  
SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE  
NOT CONSIDERED SIGNED AND SEALED.  
THE SIGNATURE MUST BE VERIFIED  
ON THE ELECTRONIC DOCUMENTS.

HDR ENGINEERING, INC.  
2601 CATTLEMEN ROAD, SUITE 400  
SARASOTA, FLORIDA 34232-6212  
CERTIFICATE OF AUTHORIZATION NO. 4213  
JASON L. STARR, PE NO. 70171

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE  
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

UTILITY RELOCATION PLANS

| SHEET NO.   | SHEET DESCRIPTION        |
|-------------|--------------------------|
| IT-1        | KEY SHEET                |
| IT-2        | SIGNATURE SHEET          |
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| IT-5 - IT-7 | PLAN SHEETS              |
| IT-8 - IT-9 | SPLICE DIAGRAM           |

APPROVED

2016-H-194-231  
SHEET NO. 17-2  
Albert Rosenstein  
12/14/2016

|     |           |  |  |             |          |                                                                                       |                                                                                       |                                |                          |                 |                |                        |
|-----|-----------|--|--|-------------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------|--------------------------|-----------------|----------------|------------------------|
|     |           |  |  | SCALE       | AS NOTED |                                                                                       |                                                                                       | DATE                           | 10/05/2016               | DESIGN ENGINEER | JASON L. STARR | <b>SIGNATURE SHEET</b> |
|     |           |  |  | DESIGNED BY | JLS      |  |  | MANATEE COUNTY<br>PUBLIC WORKS | FL. LICENSE NO.<br>70170 |                 |                |                        |
|     |           |  |  | DRAWN BY    | GS       |                                                                                       |                                                                                       |                                |                          |                 |                |                        |
|     |           |  |  | CHECKED BY  | CR       |                                                                                       |                                                                                       |                                |                          |                 |                |                        |
| No. | REVISIONS |  |  | DATE        | BY       |                                                                                       |                                                                                       |                                |                          |                 |                |                        |



**GENERAL :**

1. THESE PLANS REFERENCE FDOT PROJECT FPID 201032-6-52-01 FOR I-75 AT SR 64. PROJECT LAYOUT SHEETS HAVE BEEN INCLUDED IN THIS PLAN SET FOR INFORMATIONAL PURPOSES WITH ALIGNMENT AND STATIONING DATA PROVIDED.
2. THESE PLANS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION CONTRACTOR SHOULD OBTAIN DESIGN ENGINEER AND MANATEE COUNTY SCHOOL BOARD (MCSB) APPROVAL FOR NEEDED CHANGES DUE TO SITE CONDITIONS.
3. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED AT THE TIME OF INSTALLATION WITH PERMANENT, LEGIBLE, WEATHER PROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE IN ACCORDANCE WITH FDOT SPECIFICATIONS.
4. THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL THE EQUIPMENT, DESIGN AND SHOP DRAWINGS FOR ALL MATERIALS PROPOSED FOR THIS PROJECT. EQUIPMENT MUST BE APPROVED BY THE ENGINEER OF RECORD BEFORE PROCUREMENT ORDER IS FILLED.
5. THE UTILITIES AND DRAINAGE ELEMENTS DEPICTED IN THESE PLANS ARE FOR INFORMATION PURPOSES ONLY AND MAY NOT REPRESENT THE FULL EXTENT OF UTILITIES PRESENT WITHIN THE PROJECT LIMITS; IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND AVOID ALL DRAINAGE AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, OR COORDINATING REPAIR OF, ANY DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR.
6. ANY SIGNIFICANT VARIATION FROM THE PROPOSED ROUTING OF THE CONDUIT AND PLACEMENT OF THE PROJECT ELEMENTS SHALL BE VERIFIED WITH AND APPROVED BY THE ENGINEER AND THE MCSB AND SHALL BE INCORPORATED IN THE "AS-BUILT" PLANS.
7. IF DEWATERING IS REQUIRED DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL NECESSARY AGENCIES AND OBTAIN ALL PERMITS REQUIRED TO LEGALLY PERFORM THE DEWATERING ACTIVITIES.
8. DURING NON-WORKING HOURS, NO EQUIPMENT, VEHICLES, OR MATERIALS SHALL BE PARKED OR STORED WITHIN THE CLEAR ZONE OF THE ROADWAY.
9. THE LOCATION OF ALL PROPOSED EQUIPMENT TO BE INSTALLED SHALL BE CONSIDERED APPROXIMATE. ADJUSTMENTS MAY BE NECESSARY DUE TO FIELD CONDITIONS; VARIATIONS FROM THE LOCATIONS DEPICTED IN THE PLANS MUST BE VERIFIED BY THE ENGINEER.
10. CONTRACTOR IS TO TAKE CARE WHEN WORKING IN AND AROUND LANDSCAPED AREAS IN ORDER TO MINIMIZE IMPACTS.
11. THE EXISTING ITS FIELD ELEMENTS AND COMMUNICATION INFRASTRUCTURE MUST REMAIN IN SERVICE AT ALL TIMES. PRIOR TO DECOMMISSIONING AN EXISTING ITS DEVICE INSTALL REPLACEMENT SITE OR TEMPORARY SITE AND CONFIRM ITS FUNCTIONALITY IN COORDINATION WITH THE RTMC.

**PULL AND SPLICE BOXES:**

1. UNLESS SPECIFIED OTHERWISE IN THE PLANS, ALL PULL BOX AND SPLICE BOX COVERS TO BE FURNISHED AND INSTALLED SHALL BE NON-METALLIC.
2. DO NOT PLACE PULL BOXES IN THE BOTTOM OF DITCHES, SWALES, OR STORMWATER RETENTION/DETENTION AREAS.
3. DO NOT PLACE PULL BOXES WITHIN SIDEWALK CURB RAMPS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BROKEN OR DAMAGED PULL BOXES AND/OR CONCRETE PADS DAMAGED DURING CONSTRUCTION.

**CONDUIT:**

1. THE CONTRACTOR SHALL PLACE ALL CONDUITS IN A MANNER THAT MINIMIZES DEFLECTION BOTH HORIZONTALLY AND VERTICALLY, THUS MINIMIZING STRESS ON CABLES DURING CABLE INSTALLATION. CONDUIT FOR FIBER OPTIC CABLE SHOULD NOT DEFLECT MORE THAN 1 INCH PER FOOT VERTICALLY OR HORIZONTALLY.
2. WHEN INSTALLING FIBER OPTIC CABLE IN CONDUIT WHERE PULL BOX SPACING EXCEEDS OF 1000' FIBER SHOULD BE INSTALLED USING CABLE BLOWING METHODS IDENTIFIED IN FDOT SPECIFICATIONS.
3. CONDUIT LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. CONDUIT SHALL BE PLACED WITHIN THE RIGHT-OF-WAY BUT CAN BE ADJUSTED TO FIT AROUND THE EXISTING AND PROPOSED UTILITIES. ANY SIGNIFICANT DEVIATION FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER. MINIMUM REQUIRED CONDUIT BURIAL DEPTHS SHALL BE MAINTAINED.
4. ALL INSTALLED UNDERGROUND CONDUIT SHALL BE SEALED AT BOTH ENDS TO PREVENT THE DUST, DIRT, AND MOISTURE FROM ENTERING THE CONDUIT. USE MECHANICAL DUCT PLUGS THAT PROVIDE A WATER TIGHT SEAL BETWEEN THE CONDUIT AND CABLING. MECHANICAL DUCT PLUGS SHALL BE INSTALLED ON ALL SPARE FIBER AND ELECTRICAL CONDUIT.
5. COMPLY WITH THE REQUIREMENTS OF FDOT'S UTILITY ACCOMMODATION GUIDE (LATEST EDITION).
6. ALL CONDUIT TRENCHES SHALL BE BACK FILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORKING DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE. THE CONTRACTOR SHALL NOT OPEN ANY AREA THAT CANNOT BE BACK FILLED IN THE SAME DAY/NIGHT OPERATION.
7. IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY BORING OR TRENCHING. THE CONTRACTOR SHALL HAND DIG THE FIRST 4' WHERE CONDUIT INSTALLATION IS IN CLOSE PROXIMITY TO KNOWN UTILITIES TO VERIFY POSSIBLE UTILITY CONFLICTS.
8. IN AREAS WHERE CONDUIT INSTALLATIONS IMPACT EXISTING SIDEWALK, REPLACE COMPLETE FLAGS OF SIDEWALK. PATCHING OF SIDEWALK WILL NOT BE ACCEPTED.

**ITS EQUIPMENT INSTALLATION:**

1. ELECTRICAL WIRING AND EQUIPMENT INSTALLATION SHALL CONFORM TO THE MOST RECENT VERSIONS OF THE NATIONAL ELECTRIC CODE (NEC) OR THE NATIONAL ELECTRIC SAFETY CODE (NESC) WHERE APPLICABLE.
2. ALL MATERIALS NOT CLAIMED BY THE COUNTY SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. OVERALL CLEANUP SHALL BE ACCOMPLISHED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR MOBILIZATION.

PRIOR TO CLAIMING OWNERSHIP OF ANY REMOVED MATERIALS, THE CONTRACTOR SHALL CONTACT BILL KERSEY AT THE MANATEE COUNTY IT DEPARTMENT AT (941) 748-4501 x5803.

**PAY ITEM NOTES:**

1. 630-2-11 SHALL INCLUDE THE LENGTH OF RGS CONDUIT FROM THE POINT AT WHICH UNDERGROUND CONDUIT COUPLES TO ABOVEGROUND CONDUIT TO ENTER POLE MOUNTED EQUIPMENT ENCLOSURES UNLESS OTHERWISE SPECIFIED IN THE PLANS.
2. 630-2-: CONDUIT SHALL BE DURA-LINE 7-WAY FUTUREPATH PER MANATEE COUNTY SCHOOL BOARD STANDARDS.
3. 633-1-: FIBER OPTIC CABLE SHALL BE DRAKA 144-CT SINGLE-MODE FIBER PER MANATEE COUNTY SCHOOL BOARD STANDARDS.
4. 635-2-12 & 635-2-13: PULL BOXES SHALL BE TRAFFIC BEARING, ALL POLYMER CONSTRUCTION (NOT CONCRETE), PULL BOXES AND LIDS. (QUAZITE OR ANOTHER EQUIVALENT FDOT APPROVED MANUFACTURER). PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES SHALL BE PLACED A MINIMUM OF 7' FROM THE EDGE OF PAVEMENT.  
  
FIBER OPTIC PULL BOX DIMENSIONS SHALL BE 24"x36"x36". FIBER OPTIC PULL BOX LIDS SHALL BE STAMPED "MANATEE COUNTY FIBEROPRIC SYSTEM" ON THE COVER.  
  
FIBER OPTIC SPLICE VAULT DIMENSIONS SHALL BE 30"x60"x48". FIBER OPTIC SPLICE VAULT LIDS SHALL BE STAMPED "MANATEE COUNTY FIBEROPTIC SYSTEM" ON THE COVER.
5. MC-: THESE PAY ITEMS ARE PROVIDED FOR CONSTRUCTION PHASE SERVICES ASSOCIATED WITH FPID 201032-6. VAULTS AND PULL BOXES INSTALLED WITH THIS PROJECT WILL NEED TO BE MONITORED AND PROTECTED DURING CONSTRUCTION. PAY ITEM DESCRIPTIONS INDICATE WHICH MOT PHASE INCLUDES WORK ZONES AROUND THE IT DEVICES.

**UTILITIES:**

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE Vv, Vh, Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
2. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AS REQUIRED BY CHAPTER 556 OF THE FLORIDA STATUTES.
4. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ANY UTILITY OWNER(S) THAT MAY OR MAY NOT BE A "SUNSHINE ONE-CALL" MEMBER IN ORDER TO COORDINATE UTILITY MARKING AND LOCATING AT A MINIMUM OF TWO DAYS PRIOR TO DIGGING. IT SHOULD BE NOTED THAT FDOT IS NOT A MEMBER OF "SUNSHINE ONE-CALL" AND THAT SEPARATE CONTACT WILL NEED TO BE MADE IN ORDER TO OBTAIN UTILITY LOCATE INFORMATION FOR FDOT FACILITIES.

| UTILITY                      | CONTACT               | PHONE NO.      |
|------------------------------|-----------------------|----------------|
| BRIGHT HOUSE NETWORKS        | TOM WRIGHT            | (941) 748-3816 |
| FPL DISTRIBUTION             | GREG COKER            | (941) 723-4430 |
| FPL TRANSMISSION             | GARY PETERSON         | (561) 904-3665 |
| MANATEE COUNTY UTILITIES     | SCOTT MAY             | (941) 708-7450 |
| MANATEE COUNTY TRAFFIC       | MUKUNDA GOPALAKRISHNA | (941) 749-3500 |
| MANATEE COUNTY IT DEPARTMENT | BILL KERSEY           | (941) 748-4501 |
| FRONTIER                     | DENISE HUTTON         | (941)-906-6722 |
| TECO PEOPLES GAS             | DANNY SHANAHAN        | (941)-342-4006 |

**ITS ELEMENTS PLAN SHEET LEGEND:**

|               |                                                   |  |                                 |
|---------------|---------------------------------------------------|--|---------------------------------|
| — • — • —     | PROPOSED UNDERGROUND CONDUIT (TRENCHED OR PLOWED) |  | EXISTING GROUND MOUNTED CABINET |
| — ••• — ••• — | PROPOSED UNDERGROUND CONDUIT (DIRECTIONAL BORE)   |  | EXISTING POLE MOUNTED CABINET   |
| ----- / ----- | EXISTING UNDERGROUND CONDUIT                      |  | EXISTING CCTV                   |
|               | PROPOSED SPLICE VAULT                             |  | EXISTING MVDS                   |
|               | PROPOSED FIBER OPTIC PULL BOX                     |  |                                 |
|               | EXISTING SPLICE VAULT                             |  |                                 |
|               | EXISTING ELECTRICAL PULL BOX                      |  |                                 |
|               | EXISTING FIBER OPTIC PULL BOX                     |  |                                 |
|               | EXISTING ITS POLE                                 |  |                                 |

|             |           |      |    |
|-------------|-----------|------|----|
| SCALE       | AS NOTED  |      |    |
| DESIGNED BY | JLS       |      |    |
| DRAWN BY    | GS        |      |    |
| CHECKED BY  | CR        |      |    |
| No.         | REVISIONS | DATE | BY |

HDR Engineering, Inc.  
2601 Cattlemen Road  
Suite 400  
Sarasota, FL 34232-6233  
FBPR Certificate of  
Authorization No. 4213

|             |            |
|-------------|------------|
| DATE        | 10/05/2016 |
| PROJECT NO. | 0004900    |

MANATEE COUNTY  
PUBLIC WORKS

|                 |                |
|-----------------|----------------|
| DESIGN ENGINEER | JASON L. STARR |
| FL. LICENSE NO. | 70170          |

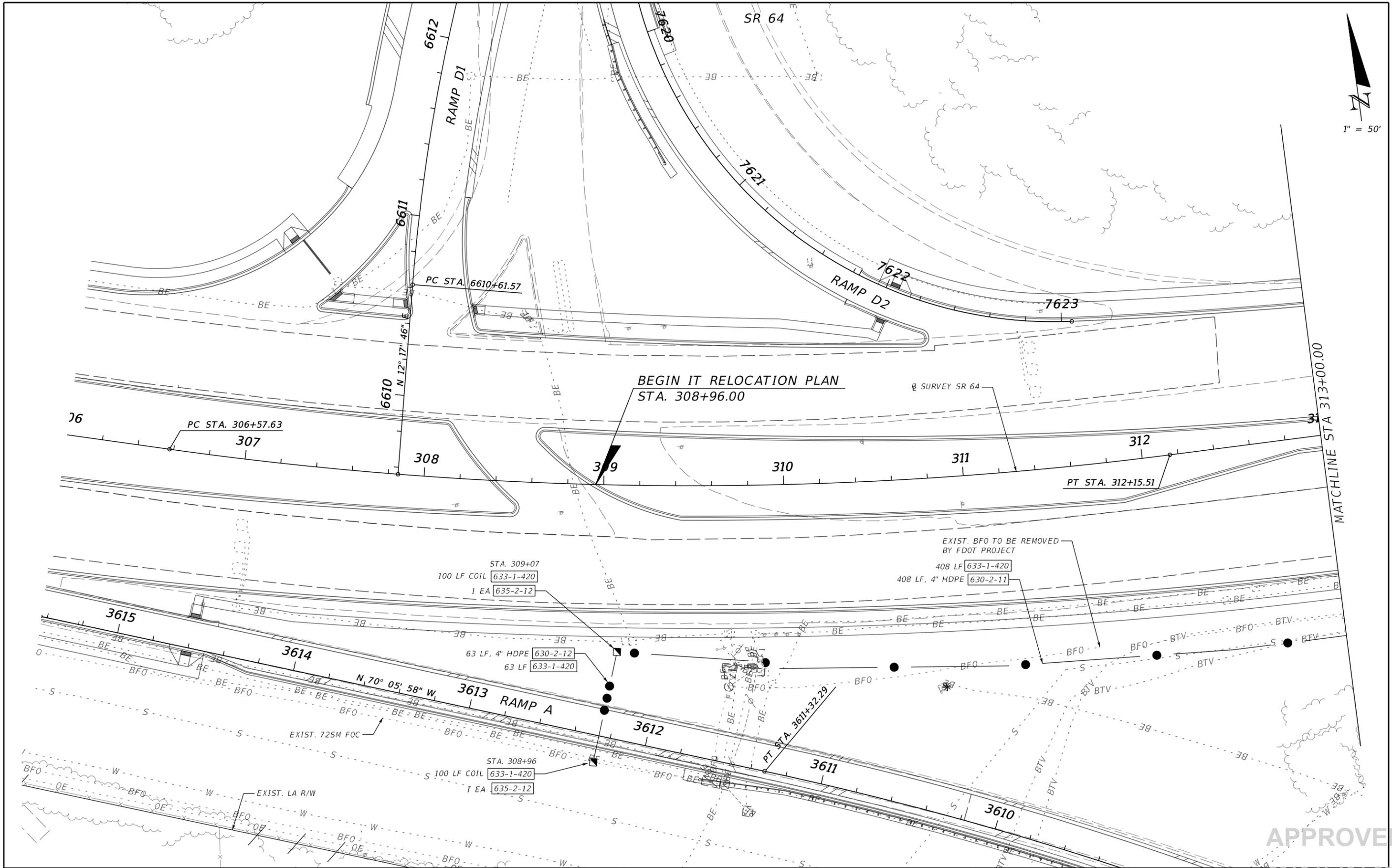
APPROVED

2016-H-194-251  
Albert Rosenstein  
12/14/2016

SHEET NO  
17-4

PROJECT NOTES

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



|             |           |      |    |
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| SCALE       | AS NOTED  |      |    |
| DESIGNED BY | JLS       |      |    |
| DRAWN BY    | GS        |      |    |
| CHECKED BY  | CR        |      |    |
| No.         | REVISIONS | DATE | BY |



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Sarasota, FL 34232-6233  
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Authorization No. 4213

DATE  
10/05/2016

PROJECT NO.  
0004900



**MANATEE COUNTY  
PUBLIC WORKS**

DESIGN ENGINEER  
JASON L. STARR

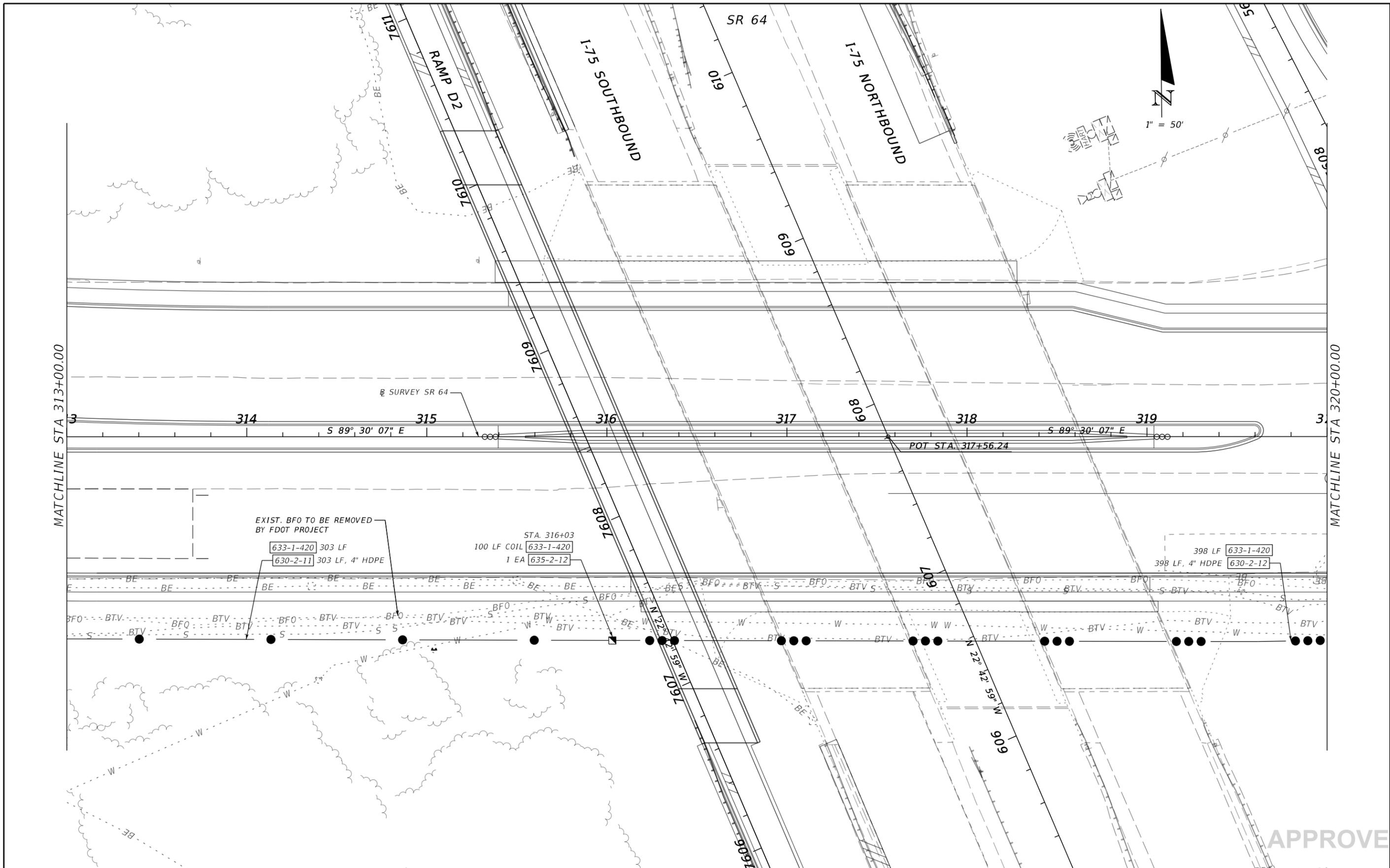
FL. LICENSE NO.  
70170

**PLAN SHEET (1)**

**APPROVED**

2016-H-194-251  
Albert Rosenstein  
12/14/2016  
SHEET NO. 17-5

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MATCHLINE STA 313+00.00

MATCHLINE STA 320+00.00



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| No. | REVISIONS | DATE | BY |
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SCALE AS NOTED  
 DESIGNED BY JLS  
 DRAWN BY GS  
 CHECKED BY CR



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 Sarasota, FL 34232-6233  
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 Authorization No. 4213

DATE 10/05/2016  
 PROJECT NO. 0004900



MANATEE COUNTY  
 PUBLIC WORKS

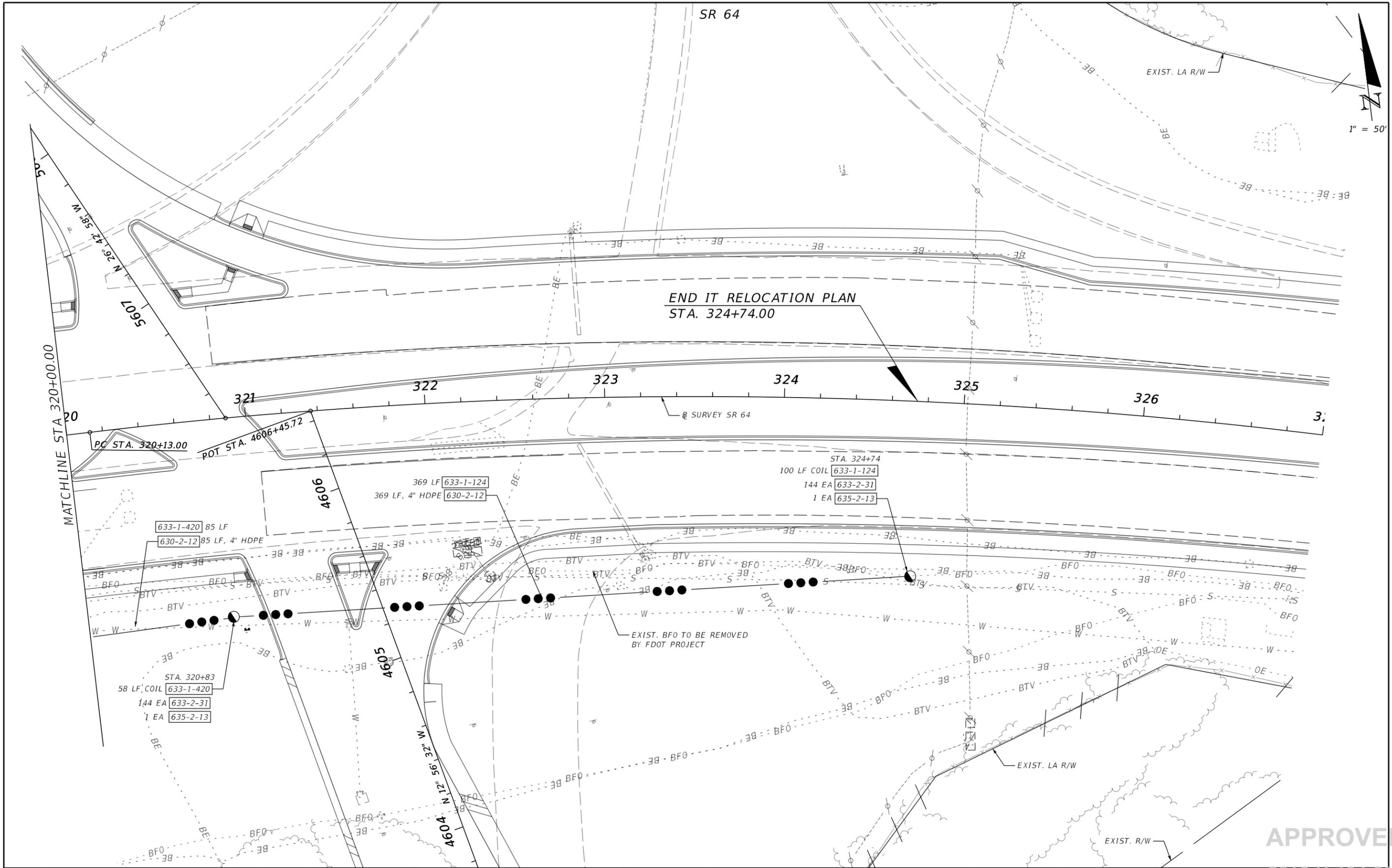
DESIGN ENGINEER  
 JASON L. STARR  
 FL. LICENSE NO.  
 70170

2016-H-194-251  
 SHEET NO. 17-6  
 Albert Rosenstein  
 12/14/2016

APPROVED

PLAN SHEET (2)

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| SCALE       | AS NOTED |
| DESIGNED BY | JLS      |
| DRAWN BY    | GS       |
| CHECKED BY  | CR       |



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|             |            |
|-------------|------------|
| DATE        | 10/05/2016 |
| PROJECT NO. | 0004900    |



**MANATEE COUNTY  
PUBLIC WORKS**

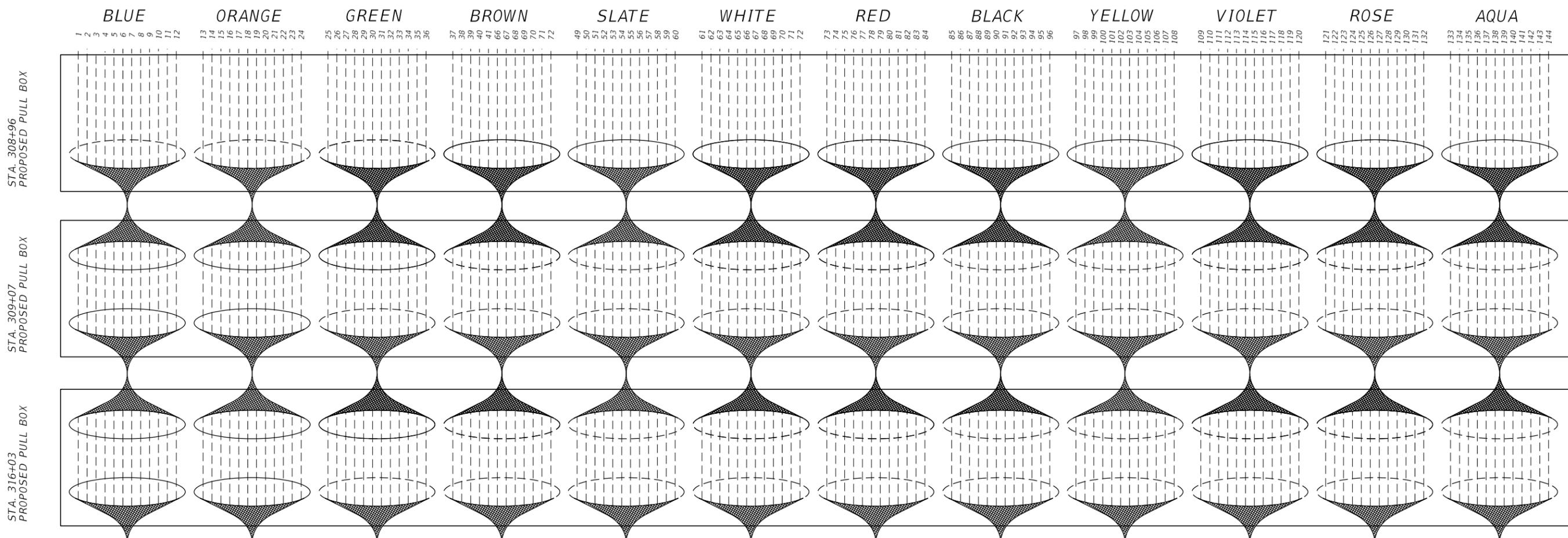
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| DESIGN ENGINEER | JASON L. STARR |
| FL. LICENSE NO. | 70170          |

**PLAN SHEET (3)**

2016-H-194-231  
Albert Rosenstein  
12/14/2016

SHEET NO. 17

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MATCH LINE SPLICE DIAGRAM (2)

COLOR CODE  
TIA/EIA 598A

- (1) BLUE (7) RED
- (2) ORANGE (8) BLACK
- (3) GREEN (9) YELLOW
- (4) BROWN (10) VIOLET
- (5) SLATE (11) ROSE
- (6) WHITE (12) AQUA

|     |           |      |    |    |
|-----|-----------|------|----|----|
| No. | REVISIONS | DATE | BY | CR |
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SCALE AS NOTED

DESIGNED BY JLS

DRAWN BY GS

CHECKED BY CR



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DATE 10/05/2016

PROJECT NO. 0004900



MANATEE COUNTY  
PUBLIC WORKS

DESIGN ENGINEER  
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FL. LICENSE NO.  
70170

2016-H-194-231  
Albert Rosenstein  
12/14/2016

SPLICE DIAGRAM (1)

1F-8

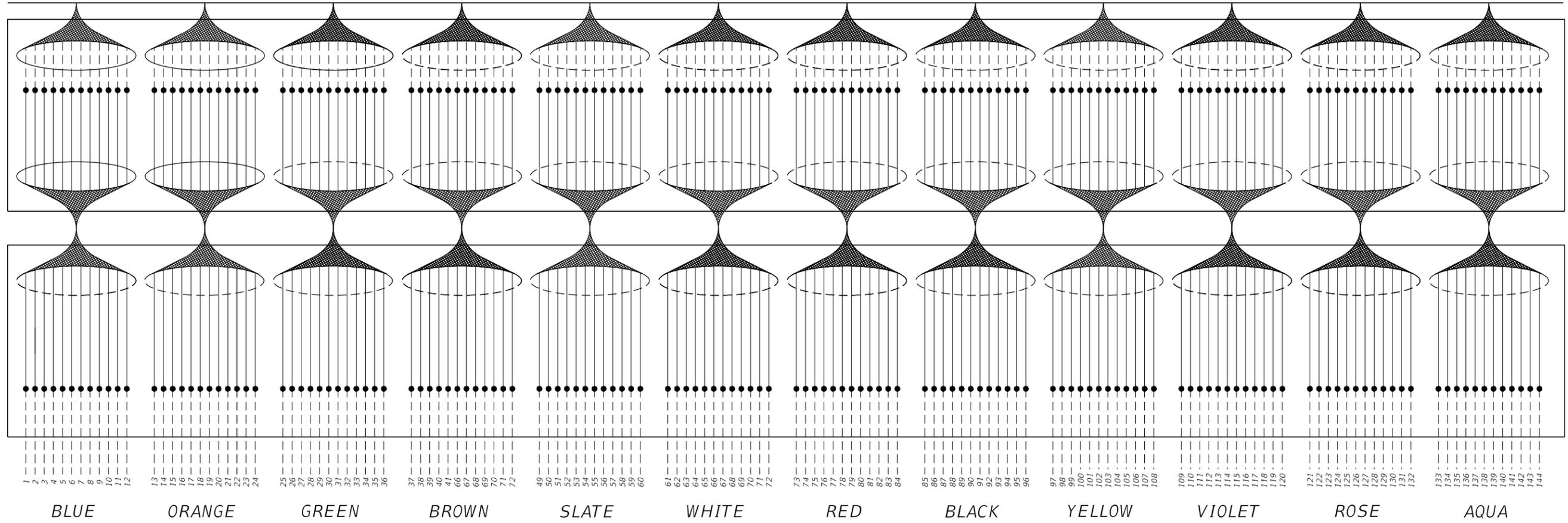
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MATCH LINE SPLICE DIAGRAM (1)

STA. 320+83  
PROPOSED SPLICE VAULT  
ALL FIBERS, COLOR TO COLOR, 144 SM FOC  
CONTINUES EAST ALONG SR 64

STA. 320+83  
PROPOSED SPLICE VAULT  
ALL FIBERS, COLOR TO COLOR, 144 SM FOC  
CONTINUES EAST ALONG SR 64



COLOR CODE  
TIA/EIA 598A

- (1) BLUE (7) RED
- (2) ORANGE (8) BLACK
- (3) GREEN (9) YELLOW
- (4) BROWN (10) VIOLET
- (5) SLATE (11) ROSE
- (6) WHITE (12) AQUA

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SCALE AS NOTED

DESIGNED BY JLS

DRAWN BY GS

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DATE 10/05/2016

PROJECT NO. 0004900



MANATEE COUNTY  
PUBLIC WORKS

DESIGN ENGINEER  
JASON L. STARR

FL. LICENSE NO.  
70170

APPROVED

2016-H-194-231  
Albert Rosenstein  
12/14/2016

SHEET NO. 17-9

SPLICE DIAGRAM (2)

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# FOR INFORMATION

**CURVE DATA (P\_RAMPA1)**  
 PI STA. = 3603+90.84  
 Δ = 47° 22' 59" (LT)  
 D = 2° 59' 59"  
 T = 838.09  
 L = 1,579.55  
 R = 1,910.00  
 PC STA. = 3595+52.74  
 PT STA. = 3611+32.29

**CURVE DATA (P\_RAMPC1)**  
 PI STA. = 5615+04.29  
 Δ = 5° 10' 36" (LT)  
 D = 1° 15' 00"  
 T = 207.22  
 L = 414.16  
 R = 4,584.00  
 PC STA. = 5612+97.07  
 PT STA. = 5617+11.22

**CURVE DATA (P\_RAMPD1-2)**  
 PI STA. = 6618+65.83  
 Δ = 50° 38' 58" (LT)  
 D = 5° 59' 58"  
 T = 451.93  
 L = 844.22  
 R = 955.00  
 PC STA. = 6614+13.90  
 PT STA. = 6622+58.12

**CURVE DATA (P\_RAMPD23)**  
 PI STA. = 7616+95.93  
 Δ = 241° 51' 07" (LT)  
 D = 23° 58' 23"  
 T = 398.93  
 L = 1,008.85  
 R = 239.00  
 PC STA. = 7612+97.00  
 PT STA. = 7623+05.84

**CURVE DATA (P\_RAMPA2)**  
 PI STA. = 3617+47.53  
 Δ = 4° 04' 13" (LT)  
 D = 1° 00' 00"  
 T = 203.62  
 L = 407.06  
 R = 5,730.00  
 PC STA. = 3615+43.91  
 PT STA. = 3619+50.97

**CURVE DATA (P\_RAMPC2)**  
 PI STA. = 5622+17.78  
 Δ = 9° 10' 35" (RT)  
 D = 1° 30' 00"  
 T = 306.56  
 L = 611.81  
 R = 3,820.00  
 PC STA. = 5619+11.22  
 PT STA. = 5625+23.03

**CURVE DATA (P\_RAMPD21)**  
 PI STA. = 7565+54.44  
 Δ = 3° 27' 24" (LT)  
 D = 0° 15' 00"  
 T = 691.53  
 L = 1,382.64  
 R = 22,918.00  
 PRC STA. = 7558+62.91  
 PRC STA. = 7572+45.55

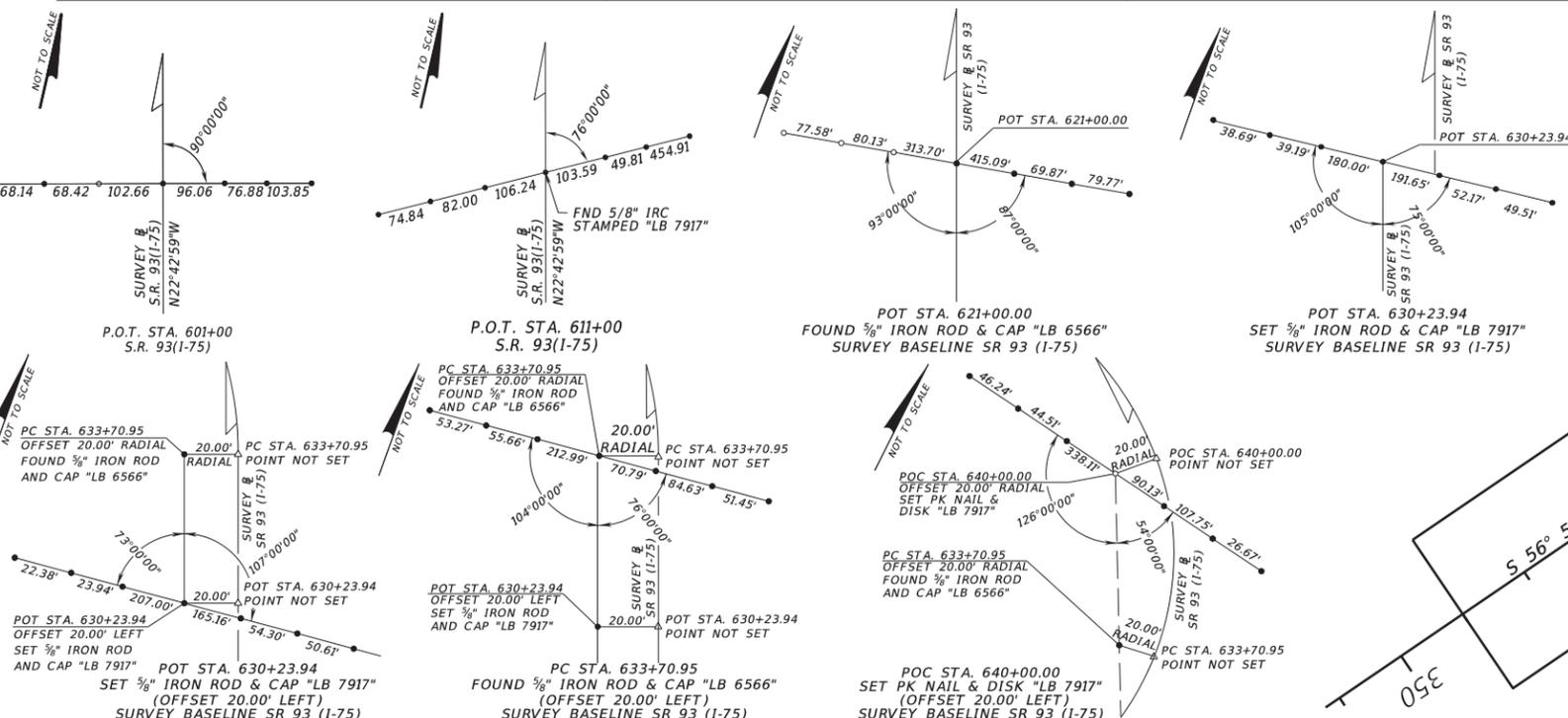
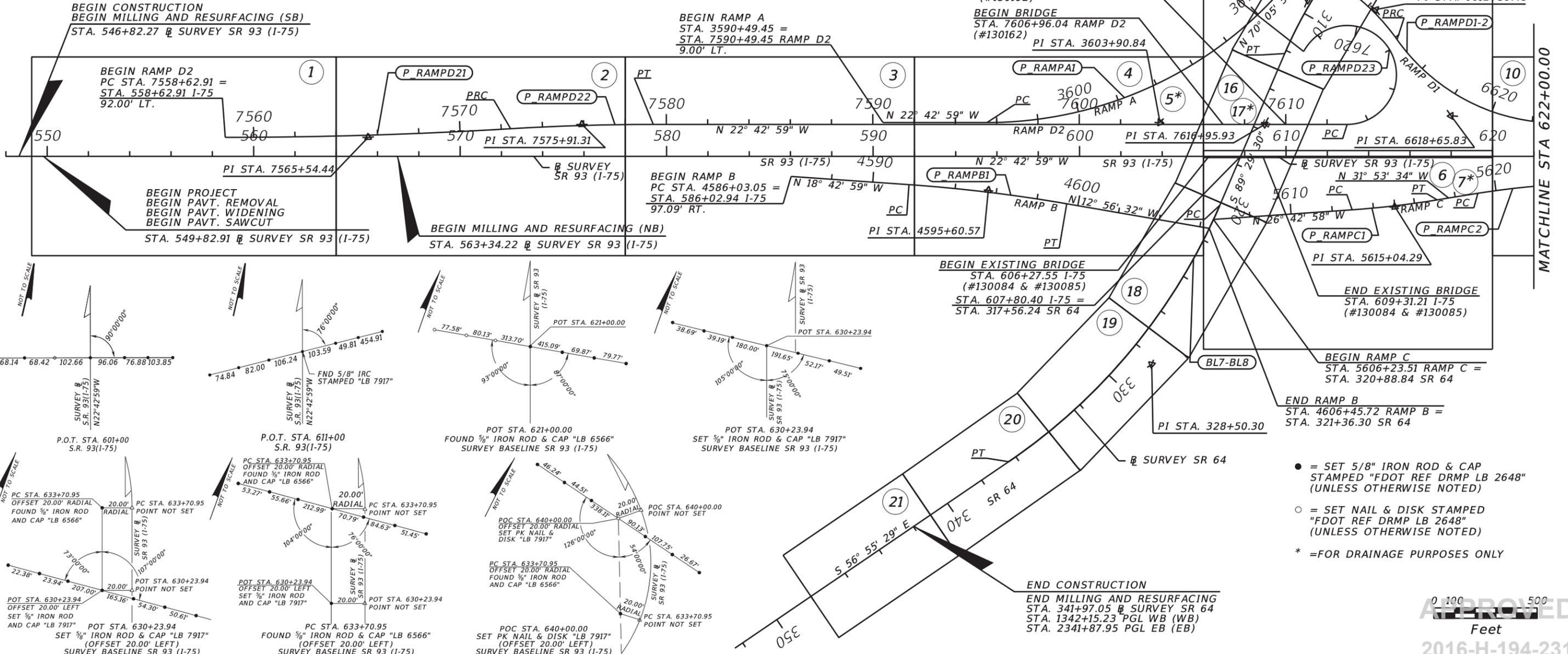
**CURVE DATA (BL4-BL5)**  
 PI STA. = 309+38.25  
 Δ = 15° 20' 30" (LT)  
 D = 2° 45' 00"  
 T = 280.62  
 L = 557.88  
 R = 2,083.48  
 PC STA. = 306+57.63  
 PT STA. = 312+15.51

**CURVE DATA (P\_RAMPB1)**  
 PI STA. = 4595+60.57  
 Δ = 5° 46' 27" (RT)  
 D = 0° 45' 00"  
 T = 385.25  
 L = 769.84  
 R = 7,639.00  
 PC STA. = 4591+75.33  
 PT STA. = 4599+45.17

**CURVE DATA (P\_RAMPD1-1)**  
 PI STA. = 6612+39.48  
 Δ = 19° 38' 13" (RT)  
 D = 5° 34' 25"  
 T = 177.91  
 L = 352.33  
 R = 1,028.00  
 PC STA. = 6610+61.57  
 PT STA. = 6614+13.90

**CURVE DATA (P\_RAMPD22)**  
 PI STA. = 7575+91.31  
 Δ = 3° 27' 24" (RT)  
 D = 0° 30' 00"  
 T = 345.76  
 L = 691.32  
 R = 11,459.00  
 PRC STA. = 7572+45.55  
 PT STA. = 7579+36.86

**CURVE DATA (BL7-BL8)**  
 PI STA. = 328+50.30  
 Δ = 32° 35' 04" (RT)  
 D = 2° 00' 00"  
 T = 837.30  
 L = 1,629.22  
 R = 2,864.79  
 PC STA. = 320+13.00  
 PT STA. = 336+42.22



- = SET 5/8" IRON ROD & CAP STAMPED "FDOT REF DRMP LB 2648" (UNLESS OTHERWISE NOTED)
- = SET NAIL & DISK STAMPED "FDOT REF DRMP LB 2648" (UNLESS OTHERWISE NOTED)
- \* = FOR DRAINAGE PURPOSES ONLY

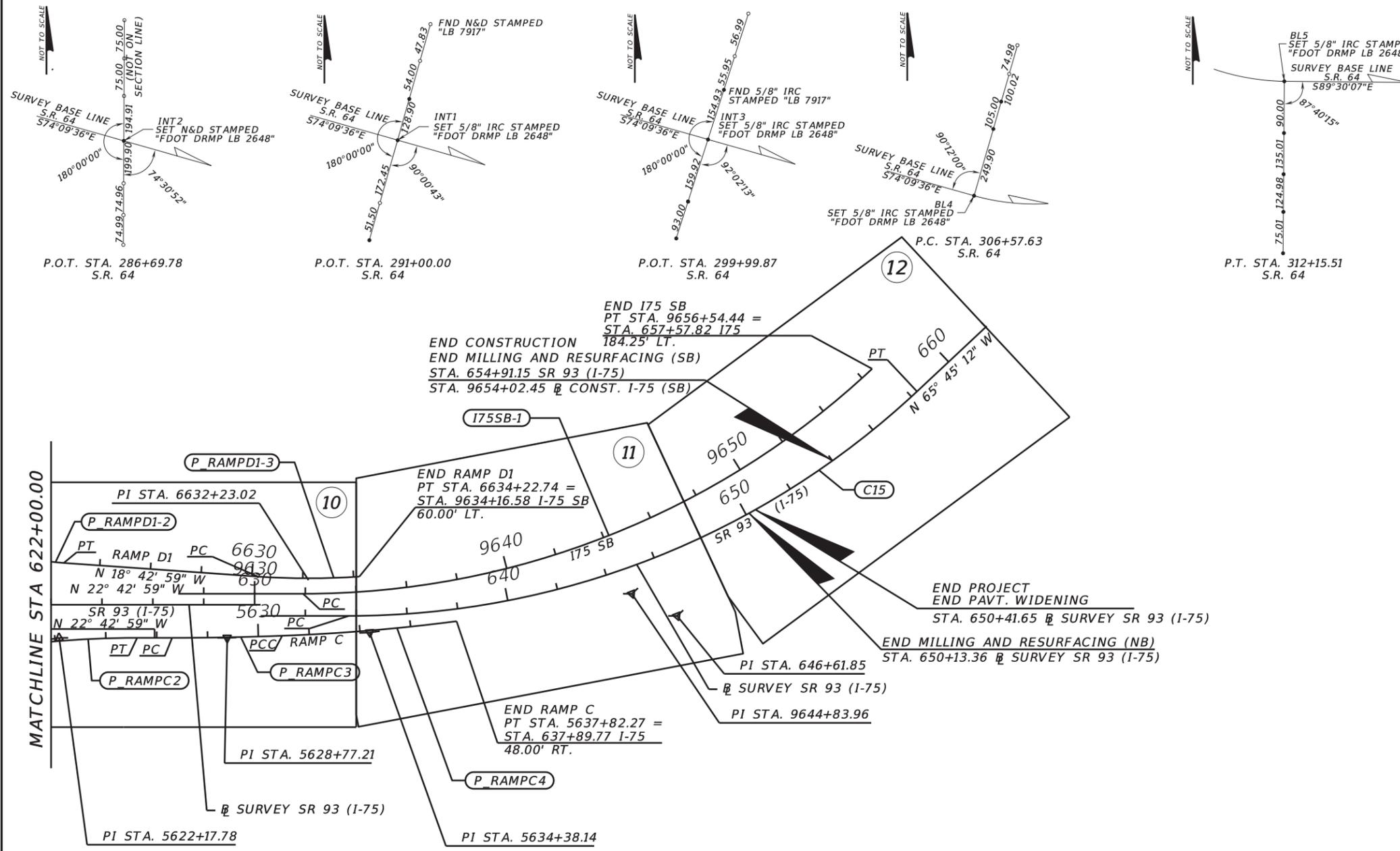


| REVISIONS |             | STATE OF FLORIDA |             | SHEET NO. |
|-----------|-------------|------------------|-------------|-----------|
| DATE      | DESCRIPTION | DATE             | DESCRIPTION |           |
|           |             |                  |             | 62        |

|                                                                                                                                                               |  |  |                                                                                                      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------------|--|
| Transystems Corporation Consultants<br>200 East Robinson Street, Suite 600<br>Orlando, FL 32801<br>PH. 407-875-8900<br>Mark Owen, P.E. 42163<br>C.A. No. 7503 |  |  | DEPARTMENT OF TRANSPORTATION<br>ROAD NO. 93    COUNTY MANATEE    FINANCIAL PROJECT ID 201032-6-52-01 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------------|--|

# FOR INFORMATION



| CURVE DATA (P_RAMP2)       | CURVE DATA (P_RAMPD1-2)     |
|----------------------------|-----------------------------|
| PI STA. = 5622+17.78       | PI STA. = 6618+65.83        |
| $\Delta$ = 9° 10' 35" (RT) | $\Delta$ = 50° 38' 58" (LT) |
| D = 1° 30' 00"             | D = 5° 59' 58"              |
| T = 306.56                 | T = 451.93                  |
| L = 611.81                 | L = 844.22                  |
| R = 3,820.00               | R = 955.00                  |
| PC STA. = 5619+11.22       | PC STA. = 6614+13.90        |
| PT STA. = 5625+23.03       | PT STA. = 6622+58.12        |

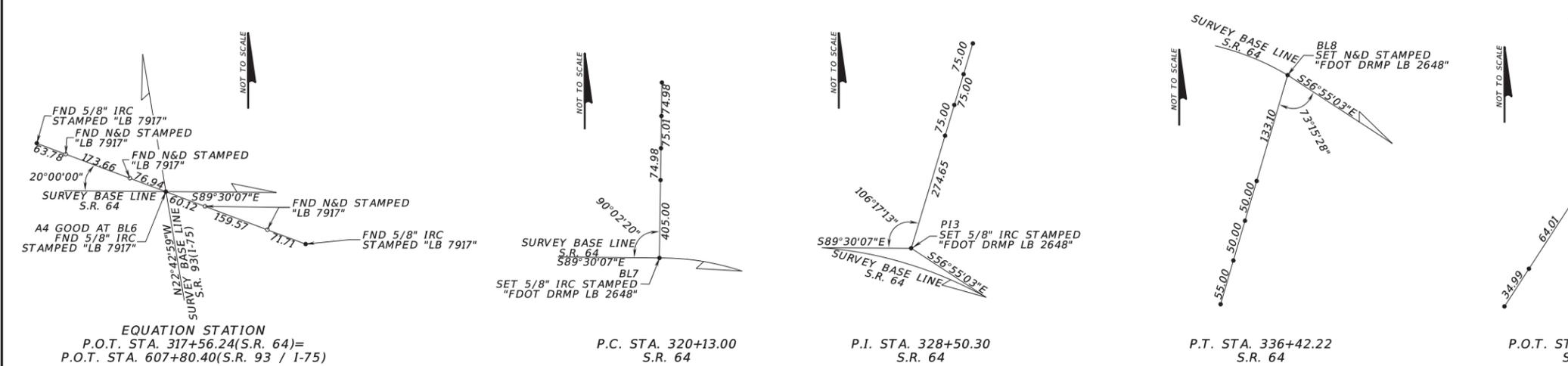
| CURVE DATA (P_RAMPC3)      | CURVE DATA (P_RAMPD1-3)    |
|----------------------------|----------------------------|
| PI STA. = 5628+77.21       | PI STA. = 6632+23.02       |
| $\Delta$ = 2° 09' 49" (LT) | $\Delta$ = 7° 56' 44" (LT) |
| D = 0° 30' 00"             | D = 1° 59' 10"             |
| T = 216.39                 | T = 200.36                 |
| L = 432.73                 | L = 400.08                 |
| R = 11,459.00              | R = 2,885.00               |
| PC STA. = 5626+60.82       | PC STA. = 6630+22.66       |
| PT STA. = 5630+93.55       | PT STA. = 6634+22.74       |

| CURVE DATA (P_RAMPC4)       | CURVE DATA (P_RAMPC4)      |
|-----------------------------|----------------------------|
| PI STA. = 9644+83.96        | PI STA. = 5634+38.14       |
| $\Delta$ = 43° 02' 13" (LT) | $\Delta$ = 5° 09' 56" (LT) |
| D = 1° 44' 49"              | D = 0° 45' 00"             |
| T = 1,293.25                | T = 344.59                 |
| L = 2,463.73                | L = 688.72                 |
| R = 3,280.00                | R = 7,639.00               |
| PC STA. = 9631+90.71        | PC STA. = 5630+93.55       |
| PT STA. = 9656+54.44        | PT STA. = 5637+82.27       |

| CURVE DATA (C15)            | CURVE DATA (I75SB-1)        |
|-----------------------------|-----------------------------|
| PI STA. = 646+61.85         | PI STA. = 9644+83.96        |
| $\Delta$ = 43° 02' 13" (LT) | $\Delta$ = 43° 02' 13" (LT) |
| D = 1° 45' 00"              | D = 1° 44' 49"              |
| T = 1,290.90                | T = 1,293.25                |
| L = 2,459.25                | L = 2,463.73                |
| R = 3,274.04                | R = 3,280.00                |
| PC STA. = 633+70.95         | PC STA. = 9631+90.71        |
| PT STA. = 658+30.20         | PT STA. = 9656+54.44        |



- = SET 5/8" IRON ROD & CAP STAMPED "FDOT REF DRMP LB 2648" (UNLESS OTHERWISE NOTED)
- = SET NAIL & DISK STAMPED "FDOT REF DRMP LB 2648" (UNLESS OTHERWISE NOTED)



| REVISIONS |             |      |             | Transystems Corporation Consultants<br>200 East Robinson Street, Suite 600<br>Orlando, FL 32801<br>PH. 407-875-8900<br>Mark Owen, P.E. 42163<br>C.A. No. 7503 | STATE OF FLORIDA<br>DEPARTMENT OF TRANSPORTATION |         |                      | PROJECT LAYOUT 12/14/2016 | SHEET NO.<br>63 |
|-----------|-------------|------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------|----------------------|---------------------------|-----------------|
| DATE      | DESCRIPTION | DATE | DESCRIPTION |                                                                                                                                                               | ROAD NO.                                         | COUNTY  | FINANCIAL PROJECT ID |                           |                 |
|           |             |      |             |                                                                                                                                                               | 93                                               | MANATEE | 201032-6-52-01       |                           |                 |