

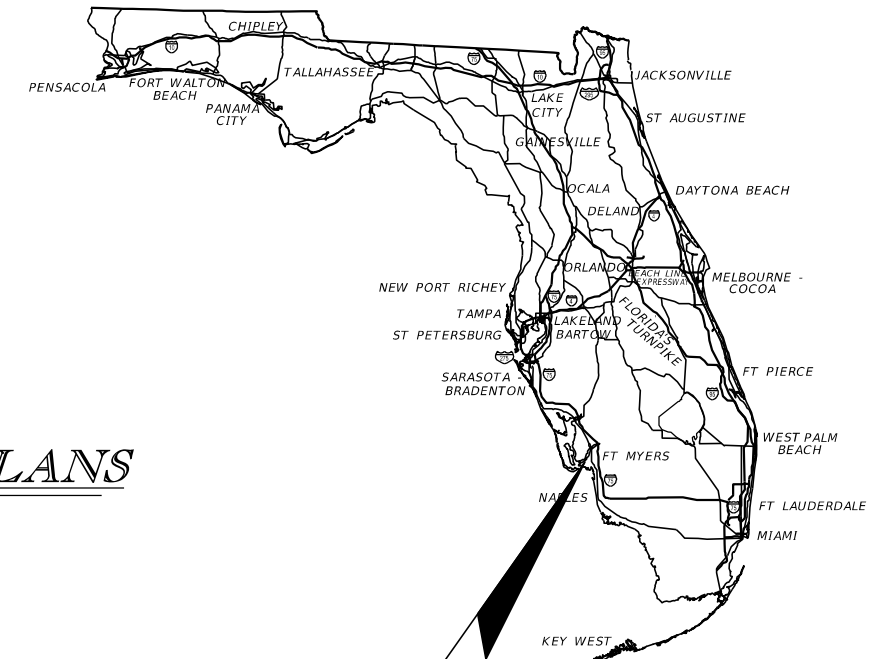
**LEE COUNTY  
DEPARTMENT OF TRANSPORTATION**

**ORTIZ AVENUE WIDENING**

FROM SR 884 TO SR 82

LEE COUNTY  
COUNTY ROAD NO. 865

**INTELLIGENT TRANSPORTATION SYSTEMS PLANS**



**PROJECT LOCATION**  
<https://goo.gl/maps/pkUqGrXMONMU8KZv7>

**INDEX OF ITS PLANS**

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IT-1	KEY SHEET
IT-2	SIGNATURE SHEET
IT-3 - IT-5	TABULATION OF QUANTITIES
IT-6 - IT-7	GENERAL NOTES
IT-8 - IT-24	ITS PLANS
IT-25 - IT-28	SPLICING DIAGRAMS
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IT-30	MVDS INSTALLATION DETAIL
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IT-32	ROUTE MARKER DETAIL
IT-33 - IT-34	ITS CROSS SECTIONS
IT-35	WIRING DIAGRAM
IT-36	ELECTRICAL SERVICE DIAGRAM
IT-37	DIRECTIONAL BORE DETAIL
IT-38	PULL BOX LAYOUT DETAILS

**GOVERNING STANDARD PLANS:**

Florida Department of Transportation, FY 23-24 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>

**GOVERNING STANDARD SPECIFICATIONS:**

Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

**ITS PLANS**

**ENGINEER OF RECORD:**

SCOTT R. SAMUELS, P.E.  
P.E. NO.: 88738  
KISINGER CAMPO & ASSOCIATES CORP.  
CONSULTING ENGINEERS & PLANNERS  
201 N. FRANKLIN STREET, SUITE 400  
TAMPA, FL 33602  
PHONE: (813) 871-5331  
CONTRACT NO.: CN18-8479



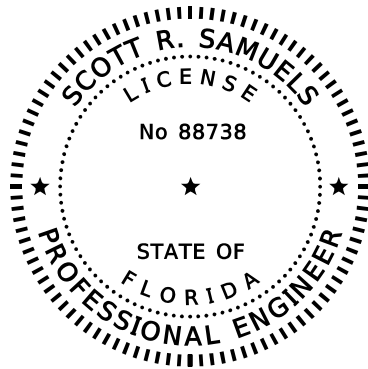
**LDOT PROJECT MANAGER:**

ROBERT K. PHELAN, P.E.

SHEET  
NO.

IT-1

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

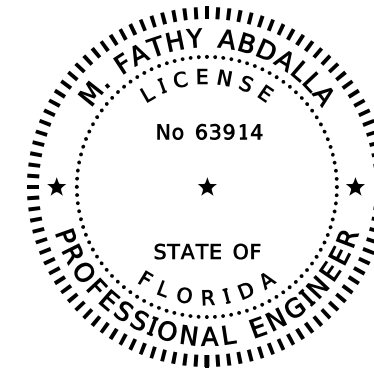


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TAMPA, FLORIDA 33602  
SCOTT R. SAMUELS, 88738



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KISINGER CAMPO & ASSOCIATES CORP.  
201 N. FRANKLIN STREET, SUITE 400  
TAMPA, FLORIDA 33602  
M. FATHY ABDALLA, P.E. 63914

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
IT-1	KEY SHEET
IT-2	SIGNATURE SHEET
IT-3 - IT-5	TABULATION OF QUANTITIES
IT-6 - IT-7	GENERAL NOTES
IT-8 - IT-24	ITS PLANS
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<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
IT-2	SIGNATURE SHEET
IT-36	ELECTRICAL SERVICE DIAGRAM

REVISIONS				 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Scott R. Samuels, P.E. & ASSOCIATES P.E. No.: 88738	LEE COUNTY DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.		IT-2
					CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			IT-8		IT-9		IT-10		IT-11		IT-12		IT-13		IT-14		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF			240		440			238		560		350		1828		
630-2-11A	CONDUIT, FURNISH & INSTALL, OPEN TRENCH - INTERCONNECT	LF						158								158		
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	176		320		120		560		322			210		1708		
630-2-12A	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE - INTERCONNECT	LF						206								206		
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2 - 12 FIBERS	LF						614								614		
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49 - 96 FIBERS	LF																
633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF																
633-1-127	FIBER OPTIC CABLE, F&I, UNDERGROUND, 241 - 288 FIBERS	LF	626		760		760		1010		660		610		610		5036	
633-1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	450													450		
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	48					12								60		
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA						12								12		
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1					1								2		
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	1					1								2		
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA						1								1		
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA						1								1		
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA						1								1		
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA						5								5		
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA			1		1		1		1		1		1		6	
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA						1								1		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY THE CONTRACTOR FROM POWER COMPANY	EA						1								1		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF						474								474		
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA						1								1		
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA						1								1		
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE, 36'	EA						1								1		
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA						1								1		
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA						1								1		
676-2-121	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336, 24" W x 36" H x 20" D	EA						1								1		
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA						1								1		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
 KISINGER CAMPO & ASSOCIATES P.E. No.: 88738  
 201 N. Franklin Street, Suite 400  
 Tampa, Florida 33602  
 Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY  
 DEPARTMENT OF TRANSPORTATION

ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

TABULATION OF QUANTITIES (1)

SHEET NO.  
 IT-3

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			IT-15		IT-16		IT-17		IT-18		IT-19		IT-20		IT-21		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF																
630-2-11A	CONDUIT, FURNISH & INSTALL, OPEN TRENCH - INTERCONNECT	LF											15				15	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	560		560		560		560		560		560		560		3920	
630-2-12A	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE - INTERCONNECT	LF											147				147	
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2 - 12 FIBERS	LF											412				412	
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49 - 96 FIBERS	LF																
633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF																
633-1-127	FIBER OPTIC CABLE, F&I, UNDERGROUND, 241 - 288 FIBERS	LF	610		610		760		760		760		760		760		5020	
633-1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF																
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA				48		50		36		22		48		204		
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA										12				12		
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA				1		1		1		1		1		5		
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA				2		2		2		1		2		9		
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA										1				1		
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA										1				1		
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA										1				1		
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA										3				3		
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	1		1							3				5		
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA				1		1		1		1		1		5		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY THE CONTRACTOR FROM POWER COMPANY	EA										1				1		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF										45				45		
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA										1				1		
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA										1				1		
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE, 36'	EA										1				1		
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA										1				1		
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA										1				1		
676-2-121	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336, 24" W x 36" H x 20" D	EA										1				1		
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA										1				1		

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p><b>KCA</b> KISINGER CAMPO &amp; ASSOCIATES P.E. No.: 88738</p> <p>201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Scott R. Samuels, P.E.</p>	<p>LEE COUNTY DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD</th> <th>COUNTY</th> <th>CONTRACT NO.</th> </tr> </thead> <tbody> <tr> <td>CR 865 (ORTIZ AVE.)</td> <td>LEE COUNTY</td> <td>CN18-8479</td> </tr> </tbody> </table>			ROAD	COUNTY	CONTRACT NO.	CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479	<p>TABULATION OF QUANTITIES (2)</p>	<p>SHEET NO.</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																				
ROAD	COUNTY	CONTRACT NO.																					
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479																					
<p>IT-4</p>																							

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			IT-22		IT-23		IT-24										PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF																	1828	
630-2-11A	CONDUIT, FURNISH & INSTALL, OPEN TRENCH - INTERCONNECT	LF																	173	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	560		560		727											1847	7475	
630-2-12A	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE - INTERCONNECT	LF																	353	
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2 - 12 FIBERS	LF																	1026	
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49 - 96 FIBERS	LF					426										426		426	
633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF					123										123		123	
633-1-127	FIBER OPTIC CABLE, F&I, UNDERGROUND, 241 - 288 FIBERS	LF	560		610		628										1798		11854	
633-1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF					129										129		579	
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA					192										192		456	
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA					144										144		168	
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA					2										2		9	
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA					20										20		31	
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA																	2	
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA																	2	
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA					1										1		3	
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA																	8	
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA			1		1										2		13	
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA					1										1		7	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY THE CONTRACTOR FROM POWER COMPANY	EA					3										3		5	
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																	519	
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA																	2	
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA																	2	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE, 36'	EA																	2	
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA																	2	
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA																	2	
676-2-121	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336, 24" W x 36" H x 20" D	EA																	2	
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA																	2	

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DATE	DESCRIPTION	DATE	DESCRIPTION																				
ROAD	COUNTY	CONTRACT NO.																					
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479																					
				<p>IT-5</p>																			

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GENERAL NOTES:


1. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTRACTOR SHALL CONTACT THE LEE COUNTY TRAFFIC ENGINEERING SIGNAL SHOP.
2. THE UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT REPRESENT THE EXTENT OF UTILITIES ON THIS PROJECT. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING EXISTING UNDERGROUND AND ABOVEGROUND STRUCTURES AND FACILITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ANY UTILITY OWNER(S) THAT ARE NOT A MEMBER OF SUNSHINE ONE. A CONTRACTOR'S REPRESENTATIVE SHALL BE PRESENT WHEN THE UTILITY COMPANIES LOCATE THEIR FACILITIES. THE LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR AND THE UTILITY REPRESENTATIVE WHEN NECESSARY DURING CONSTRUCTION.
4. NO TEST BORINGS WERE MADE FOR CONDUIT RUNS THAT ARE TO BE INSTALLED BY DIRECTIONAL BORING OR TRENCHING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE JOB SITE CONDITIONS IN ACCORDANCE WITH THE FDOT SPECIFICATIONS BEFORE CONSTRUCTION ACTIVITIES BEGIN.
5. SOIL RESULTING FROM DRILLING AND/OR UNCLASSIFIED EXCAVATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH LOCAL CODE.
6. FOR ALL CONDUIT INSTALLATIONS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY VERTICAL ELEVATION AND HORIZONTAL LOCATION (VVH) FOR EXISTING INFRASTRUCTURE IN THE CONDUIT INSTALLATION PATH. THE COSTS FOR THE VVHs SHALL BE INCLUDED IN THE COST OF THE CONDUIT INSTALLATIONS.
7. CONDUIT LOCATIONS AS SHOWN ON THE PLANS ARE DIAGRAMMATIC. CONDUITS MUST BE PLACED WITHIN THE ROADWAY LIMITS, BUT CAN BE ADJUSTED TO FIT AROUND EXISTING AND PROPOSED UTILITIES. WHERE PLANNED LOCATION OF ITS CONDUIT RUNS 36" UNDER PAVEMENT IS FOUND TO CONFLICT WITH UNDERGROUND UTILITIES, THE ITS CONDUIT POSITION SHALL BE ALTERED VERTICALLY OR HORIZONTALLY TO AVOID THE CONFLICT AS RECOMMENDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. A 24" ABSOLUTE MINIMUM DEPTH SHALL BE MAINTAINED WHERE ITS CONDUITS ARE RELOCATED CLOSER THAN 36" BELOW THE GROUND SURFACE AND SHALL BE PLACED IN AN ADDITIONAL 3" PVC SLEEVE OR BACKFILLED WITH A MINIMUM OF 4" X 4" OF CONCRETE. COST OF SUCH TREATMENT WILL BE INCIDENTAL TO PAY ITEMS PROVIDED.
8. ALL SALVAGE MATERIAL SHALL BE THE PROPERTY OF THE COUNTY AND DELIVERED TO THE LEE COUNTY TRAFFIC ENGINEERING SIGN SHOP.
9. EXISTING FIBER AND ITS FACILITIES SHALL BE PROTECTED AND REMAIN ON-LINE WITH NO INTERRUPTIONS TO THE LEE COUNTY EMERGENCY OPERATIONS CENTER (EOC) THROUGH CONSTRUCTION.
10. ITG FIBER RUNS PARALLEL ALONG ORTIZ AVENUE. THEREFORE, CAUTION NEEDS TO BE TAKEN DURING CONSTRUCTION NOT TO DAMAGE THE FIBER.
11. IN THE INTERSECTION OF ORTIZ AVENUE AND MARTIN LUTHER KING JR BLVD, CONTRACTOR MUST COORDINATE WITH THE COUNTY AND ANY OTHER AGENCIES PRIOR TO REMOVING THE EXISTING 48-COUNT FIBER AND SPLICING OF THE NEW FIBER INTO THE EXISTING 96-COUNT FIBER. IN CASE THERE IS AN ISSUE DURING THIS PROCESS, PLEASE CONTACT WITHIN 10 BUSINESS DAYS LEE COUNTY REPRESENTATIVES RYAN KIRSCH (PHONE NO.: (239) 896-8074, EMAIL: RKIRSCH@LEEGOV.COM, LCDOTPROJECTS@LEEGOV.COM) AND/OR ADAM BOISSIERE (PHONE NO.: (239) 980-9043, EMAIL: ABOISSIERE@LEEGOV.COM).
12. THE CONTRACTOR NEEDS TO COORDINATE WITH THE COUNTY, EOC, AND ANY OTHER AGENCIES 10 BUSINESS DAYS PRIOR TO SPLICING INTO THE EOC FIBER. IN THE CASE FIBER IS DAMAGED DURING CONSTRUCTION PLEASE CONTACT LEE COUNTY REPRESENTATIVES RYAN KIRSCH (PHONE NO.: (239) 896-8074, EMAIL: RKIRSCH@LEEGOV.COM, LCDOTPROJECTS@LEEGOV.COM) AND/OR ADAM BOISSIERE (PHONE NO.: (239) 980-9043, EMAIL: ABOISSIERE@LEEGOV.COM).

PAY ITEM NOTES:

- 630-2-11:  
PVC CONDUIT SHALL BE SCHEDULE 40 OR SCHEDULE 80 APPROVED FOR ELECTRICAL USE (GRAY). NO THIN WALL CONDUIT IS ALLOWED. TWENTY (20) FOOT LENGTHS ON RUNS OVER TWENTY (20) FOOT SHALL BE USED. ALL PVC CONDUIT SHALL BE JOINED TOGETHER WITH LONG LINE COUPLINGS. ALL CONDUITS LARGER THAN 3/4 INCH SHALL HAVE END BELLS INSTALLED AT EACH END TO PROTECT THE CABLE.
- 630-2-11A:  
FOC INTERCONNECT CONDUIT SHALL BE SIX (6) EACH (1 - SOLID GREEN, 1 - SOLID BLUE, 1 - SOLID ORANGE, 1 - SOLID YELLOW, 1 - GREEN WITH ORANGE TRACER, 1 - BLUE WITH ORANGE TRACER) 1-1/4 INCH CONTINUOUS HDPE SDR 11. NO OTHER CONDUIT COLORS CAN BE USED UNLESS APPROVED BY LEE COUNTY DOT TRAFFIC IN WRITING. A MINIMUM OF #10 AWG ORANGE INSULATED CU THHN STRANDED COPPER WIRE SHALL BE INSTALLED FOR LOCATING PURPOSES IN THE ORANGE CONDUIT. THE LOCATE WIRE SHALL NOT BE SPLICED IN THE CONDUIT. SPLICES OF THE LOCATE WIRE SHALL BE IN PULL BOXES AND SPLICED WITH A SPLIT BOLT AND INSULATED PER NEC. PERFORM CONTINUITY TESTS AND INSULATION RESISTANCE TESTS ON ALL LOCATE WIRES AND PROVIDE LEE COUNTY DOT TRAFFIC WITH ALL TEST RESULTS. REPLACE, OR REPAIR DEFECTIVE LOCATE WIRE AT NO ADDITIONAL COST.

PAY ITEM NOTES - CONTINUATION:

- 630-2-12:  
DIRECTIONAL BORE CONDUIT FOR POWER SHALL BE TWO (2) INCH CONTINUOUS HDPE SDR 11 AND SHALL BE GRAY IN COLOR. NO OTHER CONDUIT COLOR CAN BE USED UNLESS APPROVED BY LEE COUNTY DOT TRAFFIC IN WRITING. WHEN CONNECTING HDPE CONDUIT TO STANDARD PVC CONDUIT A REVERSE THREAD COUPLING OR E-LOC COUPLING SHALL BE USED. USE OF A STANDARD PVC COUPLING IS PROHIBITED.
- 630-2-12A:  
DIRECTIONAL BORE CONDUIT FOR FOC INTERCONNECT SHALL BE SIX (6) EACH (1 - SOLID GREEN, 1 - SOLID BLUE, 1 - SOLID ORANGE, 1 - SOLID YELLOW, 1 - GREEN WITH ORANGE TRACER, 1 - BLUE WITH ORANGE TRACER) 1-1/4 INCH CONTINUOUS HDPE SDR 11. NO OTHER CONDUIT COLORS CAN BE USED UNLESS APPROVED BY LEE COUNTY DOT TRAFFIC IN WRITING. A MINIMUM OF #10 AWG ORANGE INSULATED CU THHN STRANDED COPPER WIRE SHALL BE INSTALLED FOR LOCATING PURPOSES IN THE ORANGE CONDUIT. THE LOCATE WIRE SHALL NOT BE SPLICED IN THE CONDUIT. SPLICES OF THE LOCATE WIRE SHALL BE IN PULL BOXES AND SPLICED WITH A SPLIT BOLT AND INSULATED PER NEC. PERFORM CONTINUITY TESTS AND INSULATION RESISTANCE TESTS ON ALL LOCATE WIRES AND PROVIDE LEE COUNTY DOT TRAFFIC WITH ALL TEST RESULTS. REPLACE, OR REPAIR DEFECTIVE LOCATE WIRE AT NO ADDITIONAL COST.
- 633-1-127:  
FOC SHALL BE 288 STRAND SINGLE MODE FIBER WITH CORNING BRAND GLASS (ALTOS 8.3/125 LT DUCT /AERIAL .4/.3 DB/KM SMF28F). THIS IS AN ALL-DIELECTRIC, DRY FILLED LOOSE TUBE SINGLE MODE FOC. ALL FIBERS USED AND UNUSED, NEED TO BE TESTED BI-DIRECTIONAL. A DIGITAL COPY OF ALL FIBER OPTIC TEST RESULTS SHALL BE PROVIDED TO LEE COUNTY DOT TRAFFIC VIA LCDOTPROJECTS@LEEGOV.COM PRIOR TO FIELD INSPECTION. PROVIDE AND STORE FIBER OPTIC CABLE AT EACH PULL BOX AND SPLICE VAULT TO ALLOW FOR FUTURE SPLICES, ADDITIONS, OR REPAIRS TO THE FIBER NETWORK. STORE THE FIBER OPTIC CABLE WITHOUT TWISTING OR BENDING THE CABLE BELOW THE MINIMUM BEND RADIUS. CONTRACTOR SHALL SUPPLY A OTDR TRACE VIEWER WITH THE FIBER TRACES.
- A. STORE A MINIMUM OF TWO HUNDRED (200) FEET OF FIBER OPTIC BACKBONE CABLE IN FOC SPLICE VAULT. ONE HUNDRED (100) FEET OF FOC ON EACH SIDE OF THE CABLE SPLICE ENCLOSURE OR AS SHOWN IN THE PLANS.
  - B. STORE A MINIMUM OF ONE HUNDRED (100) FEET OF FIBER OPTIC DROP CABLE IN FOC SPLICE VAULT OR AS SHOWN IN THE PLANS.
  - C. STORE A MINIMUM OF ONE HUNDRED (100) FEET FIBER OPTIC BACKBONE CABLE IN EACH ADJACENT FOC PULL BOX TO THE SPLICE VAULT OR AS SHOWN IN THE PLANS.
  - D. STORE A MINIMUM OF FIFTY (50) FEET OF FOC IN FOC MID RUN PULL BOXES OR AS SHOWN IN THE PLANS. INSTALL CABLE TAGS WITHIN 1 FOOT OF EACH SPLICE AND/OR TERMINATION POINT INDICATING THE CABLE TYPE, FIBER COUNT, AND EACH FIBER OPTIC CABLE ORIGIN AND TERMINATION POINTS. ENSURE THAT THE CABLE TAGS ARE PERMANENT LABELS SUITABLE FOR OUTSIDE PLANT APPLICATIONS AND ARE AFFIXED TO ALL FIBER OPTIC CABLES. ENSURE THAT LETTERING IS IN PERMANENT INK AND DISPLAYS THE PHRASE "FIBER OPTIC CABLE". FOC SPLICE VAULTS SHALL HAVE CABLE HANGER RACKS DESIGNED TO SUPPORT CABLE AND SPLICE ENCLOSURE. ALL FOC SPLICES SHALL BE FUSION SPLICED ACCORDING TO LATEST VERSION OF THE MANUFACTURER'S INSTALLATION PROCEDURES AND CURRENT INDUSTRY ACCEPTED INSTALLATION STANDARDS, CODES AND PRACTICES, OR AS DIRECTED BY A LEE COUNTY DOT TRAFFIC. (MECHANICAL SPLICING IS STRICTLY PROHIBITED)
- 635-2-11, 635-2-12, AND 635-2-13:  
A. PULL BOXES SHALL BE POLYMER CONCRETE CONSTRUCTION (QUAZITE), HAVE ANSI TIER RATING OF T22 AND DESIGN LOAD RATING OF 22,500 LBS., NO EXCEPTIONS WILL BE PERMITTED. MINIMUM PULL BOX SIZE SHALL BE AS FOLLOWS:  
I. TRAFFIC SIGNAL AND STREET LIGHTING 17" X 30" X 12" - PG1730BA12.  
II. FIBER OPTIC CABLE MID RUNS 24" X 36" X 24" - PG2436BA24.  
III. FIBER OPTIC CABLE SPLICE VAULT - 30" X 60" X 36" - PG3060BA36.
- B. PULL BOX COVERS SHALL BE POLYMER CONCRETE CONSTRUCTION (QUAZITE), HAVE ANSI TIER RATING OF T22 AND DESIGN LOAD RATING OF 22,500 LBS., AND MARKED APPROPRIATELY, "TRAFFIC SIGNAL" OR "STREET LIGHTING", NO EXCEPTIONS WILL BE PERMITTED.  
I. 17" X 30" COVER - "TRAFFIC SIGNAL" - PG1730HH0046, "STREET LIGHTING" - PG1730HH0041.  
II. 24" X 36" COVER - "TRAFFIC SIGNAL" - PG2436HH0046.  
III. 30" X 60" COVER 2 PIECE - "TRAFFIC SIGNAL" - PG3060HH0046.
- ALL PULL BOXES SHALL HAVE A CONCRETE APRON; THE APRON SHALL BE MINIMUM 1-FOOT WIDE X 6 INCHES DEEP. APRON SHALL BE LEVEL TO EXISTING GRADE AND HAVE A FINISHED EDGE AND SURFACE.
- 639-1-122:  
ELECTRICAL SERVICE AT POINT OF SERVICE:  
ELECTRIC SERVICE SHALL BE MOUNTED ON EIGHT (8) INCH X EIGHT (8) INCH X TWELVE (12) FOOT CONCRETE SERVICE POLE WITHIN THIRTY (30) FEET OF TRAFFIC SIGNAL CABINET. ELECTRIC SERVICE SHALL BE METERED. METER SOCKET SHALL BE 200 AMP LEVER BYPASS NEMA 3R ENCLOSURE RATED FOR OUTDOOR USE (MILBANK UAP9551-X-QG-HSP). MAIN LUG LOAD CENTER SHALL BE SQUARE D QO 100 AMP 6 SPACE/12 CIRCUIT RATED FOR OUTDOOR USE (SQUARE D Q0612L100RB). SURGE PROTECTION DEVICE (SPD) SHALL BE A DOUBLE POLE 120/240 VAC (ASCO 400 SERIES S50A120V2PN). ALL CIRCUIT BREAKERS SHALL BE SQUARE D QO AND SPACES SHALL BE ASSIGNED AS FOLLOWS:  
\* SPACE 2-3 SHALL BE A DOUBLE POLE 100 AMP FOR MVDS  
\* SPACE 4-5 SHALL BE A DOUBLE POLE 20 AMP FOR SPD  
\* SPACE 6-7 SHALL BE RESERVED FOR FUTURE USE  
#2 AWG WIRE SHALL BE USED FROM METER/DISCONNECT TO FPL POWER FEED.  
#2 AWG (BLACK, RED, WHITE, GREEN) SHALL BE USED FROM ELECTRICAL SERVICE AND MVDS DISCONNECT.

REVISIONS				 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Scott R. Samuels, P.E. & ASSOCIATES P.E. No.: 88738	LEE COUNTY DEPARTMENT OF TRANSPORTATION			SHEET NO.  GENERAL NOTES (1)  IT-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.	
					CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479	

PAY ITEM NOTES - CONTINUATION:

639-3-11:

DISCONNECT AT MVDS #1 AND MVDS #2:  
 ELECTRIC SERVICE SHALL BE MOUNTED ON EIGHT (8) INCH X EIGHT (8) INCH X TWELVE (12) FOOT CONCRETE SERVICE POLE WITHIN THIRTY (30) FEET OF TRAFFIC SIGNAL CABINET. MAIN LUG LOAD CENTER SHALL BE SQUARE D QO 100 AMP 6 SPACE/12 CIRCUIT RATED FOR OUTDOOR USE (SQUARE D QO612L100RB). SURGE PROTECTION DEVICE (SPD) SHALL BE A DOUBLE POLE 120/240 VAC (ASCO 400 SERIES S50A120V2PN). ALL CIRCUIT BREAKERS SHALL BE SQUARE D QO AND SPACES SHALL BE ASSIGNED AS FOLLOWS:

- \* SPACE 2 SHALL BE A SINGLE POLE 30 AMP FOR MVDS
- \* SPACE 3-4 SHALL BE A DOUBLE POLE 20 AMP FOR SPD
- \* SPACE 5-7 SHALL BE RESERVED FOR FUTURE USE

# 10 AWG (BLACK, WHITE, GREEN) SHALL BE USED FROM MVDS DISCONNECT AND MVDS CABINET.













660-3-11 AND 660-3-12:


MICROWAVE DETECTION SHALL BE WAVETRONIX SMARTSENSOR HD SERIES AND SHALL INCLUDE THE PROPER WAVETRONIX/CLICK EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS. (THIRD PARTY EQUIPMENT IS PROHIBITED).

684-1-1:

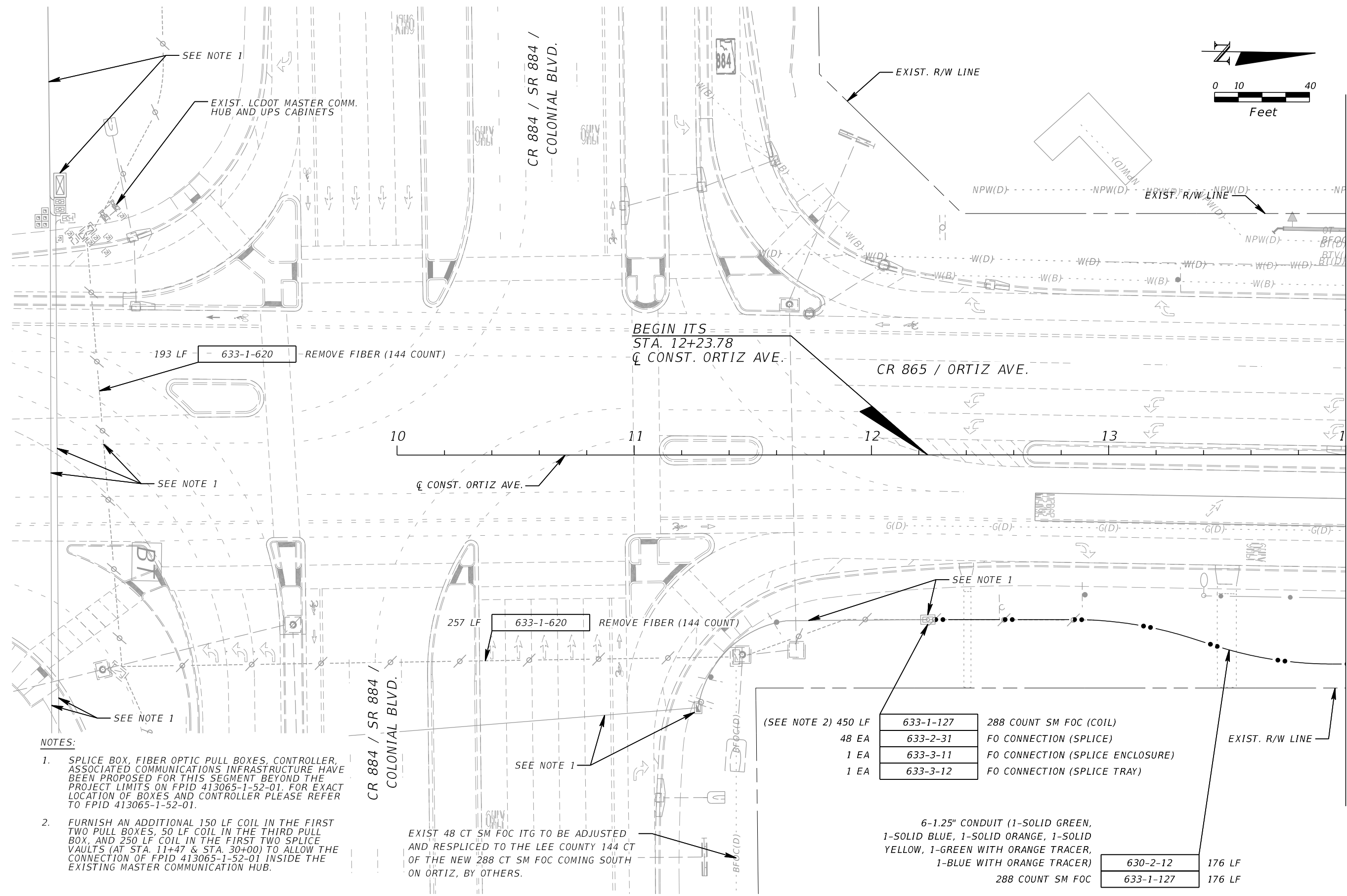
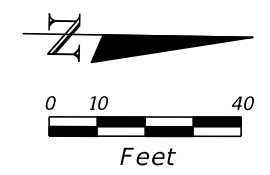
PAY ITEM FOR MANAGED FIELD ETHERNET SWITCH SHALL INCLUDE THE POWER SUPPLY, SFP OPTIC MODULES, AND ADDITIONAL COMPONENTS. MANAGED FIELD ETHERNET SWITCH LAYER 2 SWITCH WITH NEEDED COMPONENTS (DIN RAIL MOUNTED).

- A. SWITCH - CISCO IE2000 (IE-2000-8TC-G-B)
- B. SFP OPTIC MODULE - TWO (2) PROLINE CISCO SFP OPTIC MODULES (GLC-LH-SMD-PRO)
- C. POWER SUPPLY - CISCO AC-DC 50W POWER SUPPLY (PWR-IE50W-AC)

LEGEND	
	EXISTING FIBER OPTIC SPLICE VAULT
	NEW FIBER OPTIC SPLICE VAULT
	EXISTING FIBER OPTIC PULL BOX
	NEW FIBER OPTIC PULL BOX
	EXISTING TRAFFIC SIGNAL CABINET
BFOC(B) - - - - -	EXISTING FOC
— ● —	OPEN TRENCH CONDUIT
— ●● —	DIRECTIONAL BORE CONDUIT
	NEW MICROWAVE VEHICLE DETECTION SYSTEM (MVDS)
	MVDS DETECTION ZONE
	ITS CABINET (POLE MOUNTED)
	ELECTRICAL PULL BOX
	ELECTRIC POWER SERVICE (UNDERGROUND)
	POLE MOUNTED TRANSFORMER
	EXISTING POWER SOURCE POLE

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.		IT-7
					CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479		

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MATCH LINE STA. 14+00

**NOTES:**

1. SPLICE BOX, FIBER OPTIC PULL BOXES, CONTROLLER, ASSOCIATED COMMUNICATIONS INFRASTRUCTURE HAVE BEEN PROPOSED FOR THIS SEGMENT BEYOND THE PROJECT LIMITS ON FPID 413065-1-52-01. FOR EXACT LOCATION OF BOXES AND CONTROLLER PLEASE REFER TO FPID 413065-1-52-01.
2. FURNISH AN ADDITIONAL 150 LF COIL IN THE FIRST TWO PULL BOXES, 50 LF COIL IN THE THIRD PULL BOX, AND 250 LF COIL IN THE FIRST TWO SPLICE VAULTS (AT STA. 11+47 & STA. 30+00) TO ALLOW THE CONNECTION OF FPID 413065-1-52-01 INSIDE THE EXISTING MASTER COMMUNICATION HUB.

(SEE NOTE 2) 450 LF	633-1-127	288 COUNT SM FOC (COIL)
48 EA	633-2-31	FO CONNECTION (SPLICE)
1 EA	633-3-11	FO CONNECTION (SPLICE ENCLOSURE)
1 EA	633-3-12	FO CONNECTION (SPLICE TRAY)

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)

630-2-12	176 LF
633-1-127	176 LF

EXIST 48 CT SM FOC ITG TO BE ADJUSTED  
AND RESPLICED TO THE LEE COUNTY 144 CT  
OF THE NEW 288 CT SM FOC COMING SOUTH  
ON ORTIZ, BY OTHERS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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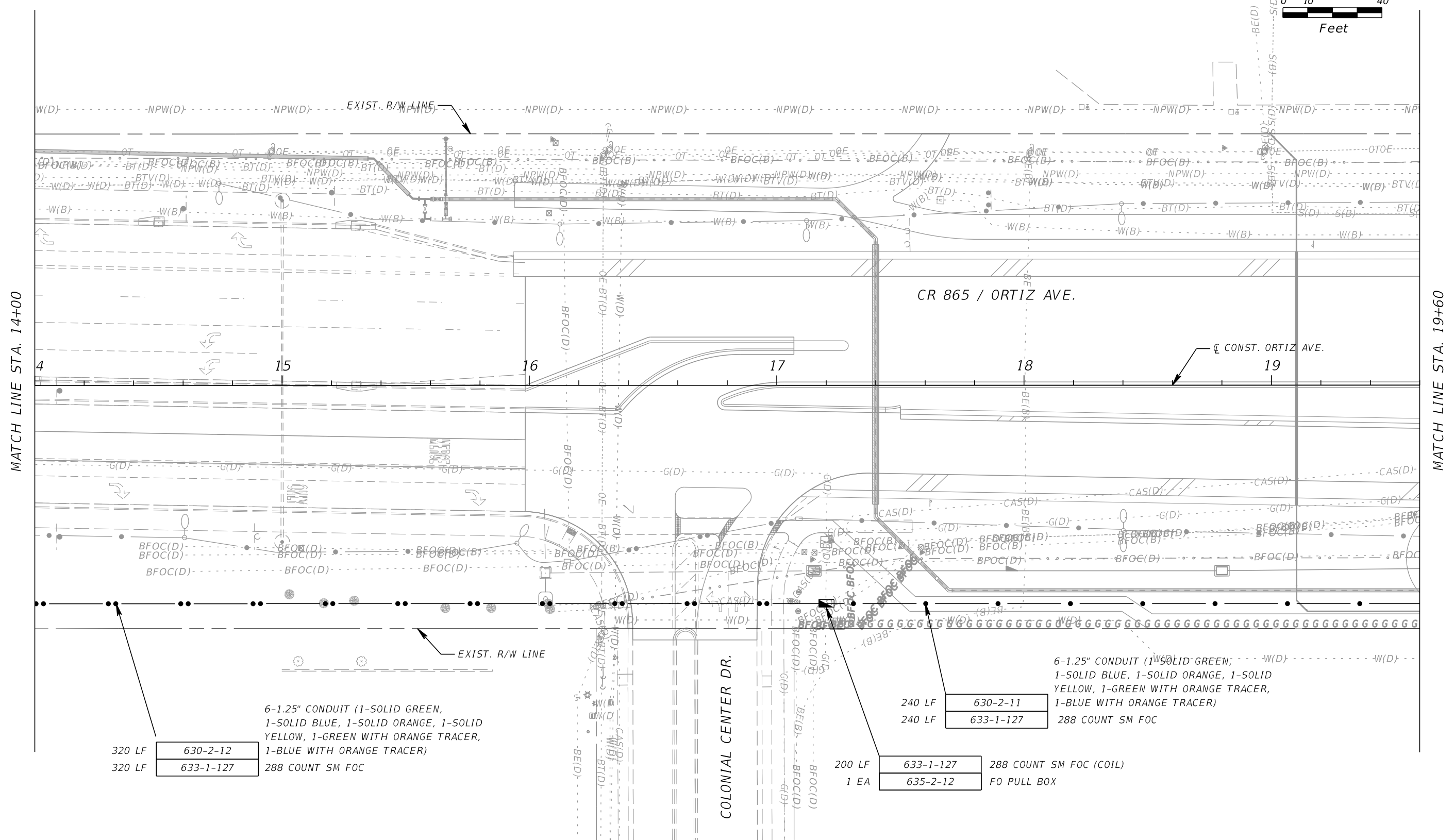
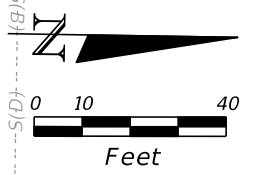
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ROAD	COUNTY	CONTRACT NO.
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**ITS PLAN (1)**

SHEET NO.  
**IT-8**





320 LF 630-2-12  
 320 LF 633-1-127  
 288 COUNT SM FOC

6-1.25" CONDUIT (1-SOLID GREEN,  
 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
 YELLOW, 1-GREEN WITH ORANGE TRACER,  
 1-BLUE WITH ORANGE TRACER)

240 LF 630-2-11  
 240 LF 633-1-127  
 288 COUNT SM FOC

200 LF 633-1-127  
 1 EA 635-2-12  
 288 COUNT SM FOC (COIL)  
 FO PULL BOX

REVISIONS			
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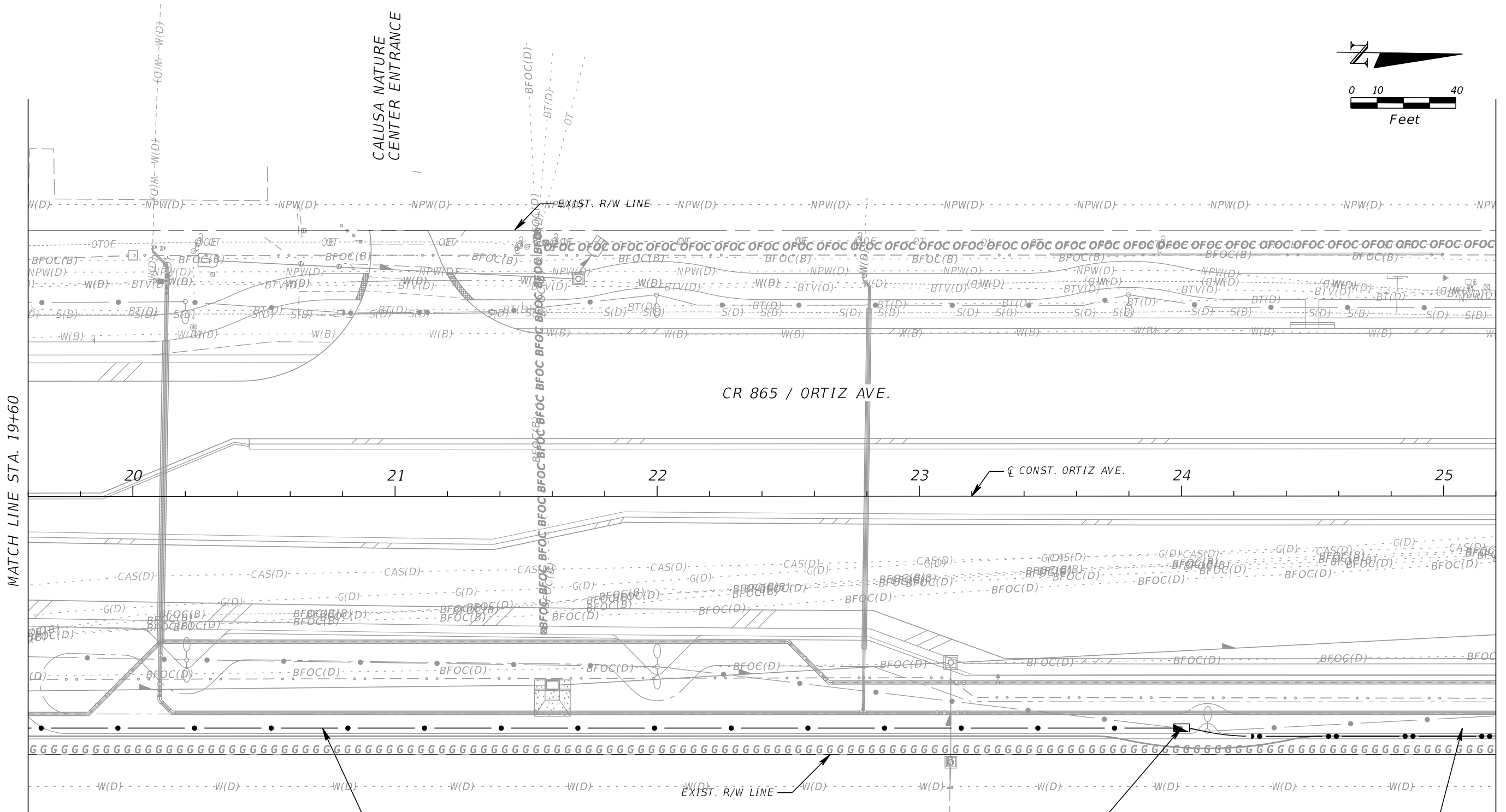
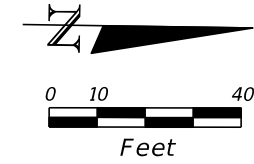
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LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (2)**

SHEET NO.  
IT-9

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440 LF	630-2-11	6-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER)	288 COUNT SM FOC
440 LF	633-1-127		
		288 COUNT SM FOC (COIL)	
		FO PULL BOX	
	633-1-127	200 LF	
	635-2-12	1 EA	
		6-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER)	
	630-2-12	120 LF	
	633-1-127	120 LF	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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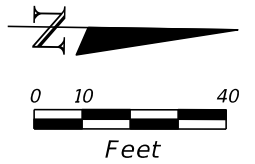
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**ITS PLAN (3)**

SHEET NO. IT-10

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



LOCATION OF NEW POLE & 120/240V POLE-MOUNTED TRANSFORMER BY POWER COMPANY

FURNISH & INSTALL ELECTRIC POWER SERVICE (UNDERGROUND)  
INSTALL CONDUIT IN SAME BORE/TRENCH AS SHOWN ON THE LIGHTING PLANS

630-2-11 1 EA  
1-2" CONDUIT (1-POWER FOR MVDS #1)

639-1-122 1 EA

50 LF 633-1-121 1-12 COUNT SM FOC  
1 EA 635-2-11 FO PULL BOX

158 LF 630-2-11A  
158 LF 633-1-121 1-12 COUNT SM FOC  
474 LF 639-2-1 ELECTRIC SERVICE WIRE (3#2)

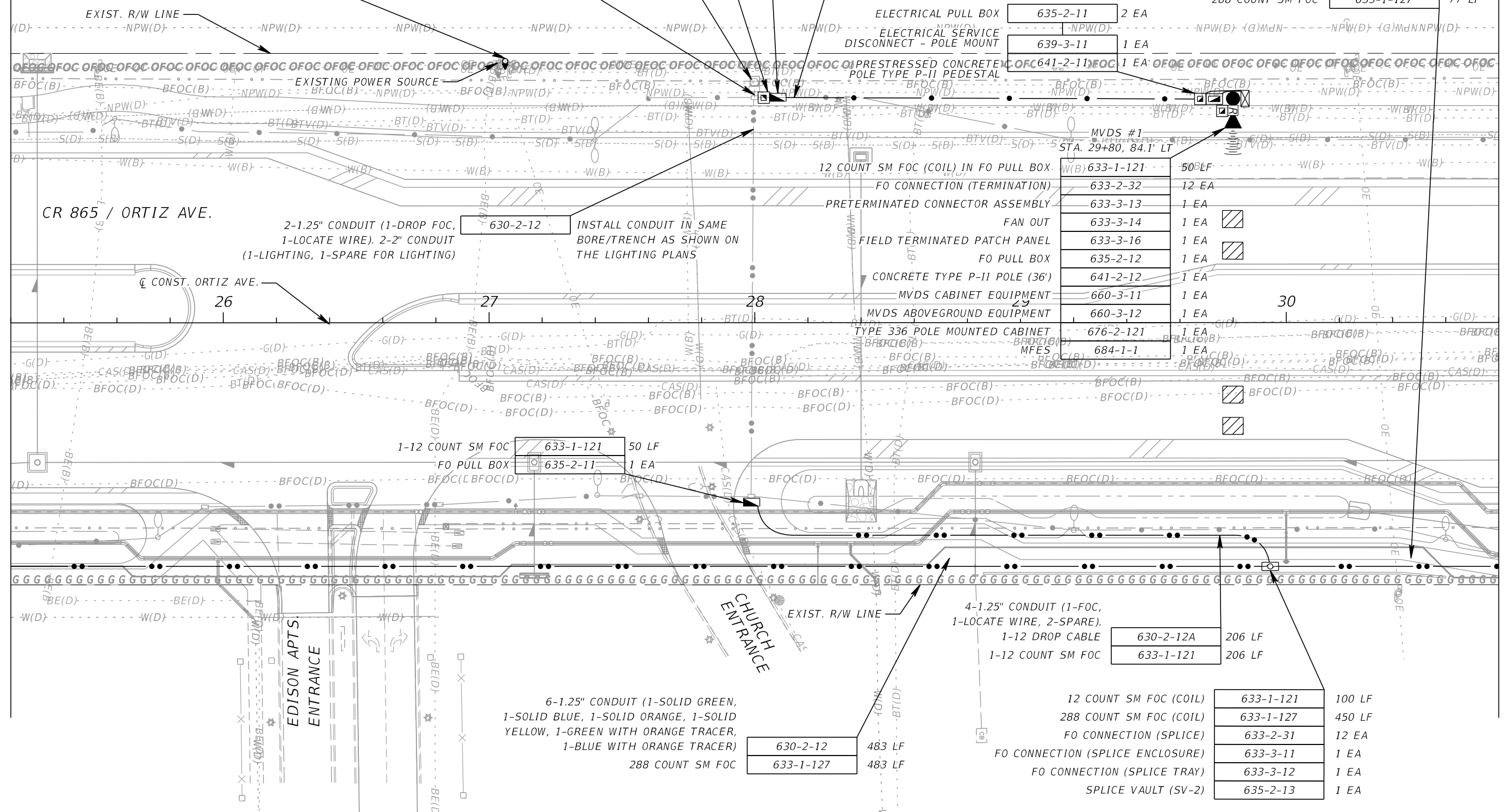
5-1.25" CONDUIT (1-FOC, 1-LOCATE WIRE, 1-POWER FOR MVDS #1, 2-SPARE). 1-12 DROP CABLE

6-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

630-2-12 77 LF  
633-1-127 77 LF

MATCH LINE STA. 25+20

MATCH LINE STA. 30+80



633-1-121	50 LF
633-2-32	12 EA
633-3-13	1 EA
633-3-14	1 EA
633-3-16	1 EA
635-2-12	1 EA
641-2-12	1 EA
660-3-11	1 EA
660-3-12	1 EA
676-2-121	1 EA
684-1-1	1 EA

6-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

630-2-12 483 LF  
633-1-127 483 LF

4-1.25" CONDUIT (1-FOC, 1-LOCATE WIRE, 2-SPARE).  
1-12 DROP CABLE  
1-12 COUNT SM FOC

630-2-12A 206 LF  
633-1-121 206 LF

12 COUNT SM FOC (COIL) 633-1-121 100 LF  
288 COUNT SM FOC (COIL) 633-1-127 450 LF  
FO CONNECTION (SPLICE) 633-2-31 12 EA  
FO CONNECTION (SPLICE ENCLOSURE) 633-3-11 1 EA  
FO CONNECTION (SPLICE TRAY) 633-3-12 1 EA  
SPLICE VAULT (SV-2) 635-2-13 1 EA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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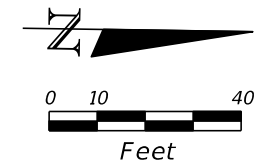
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Engineer of Record: Scott R. Samuels, P.E.

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ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (4)**

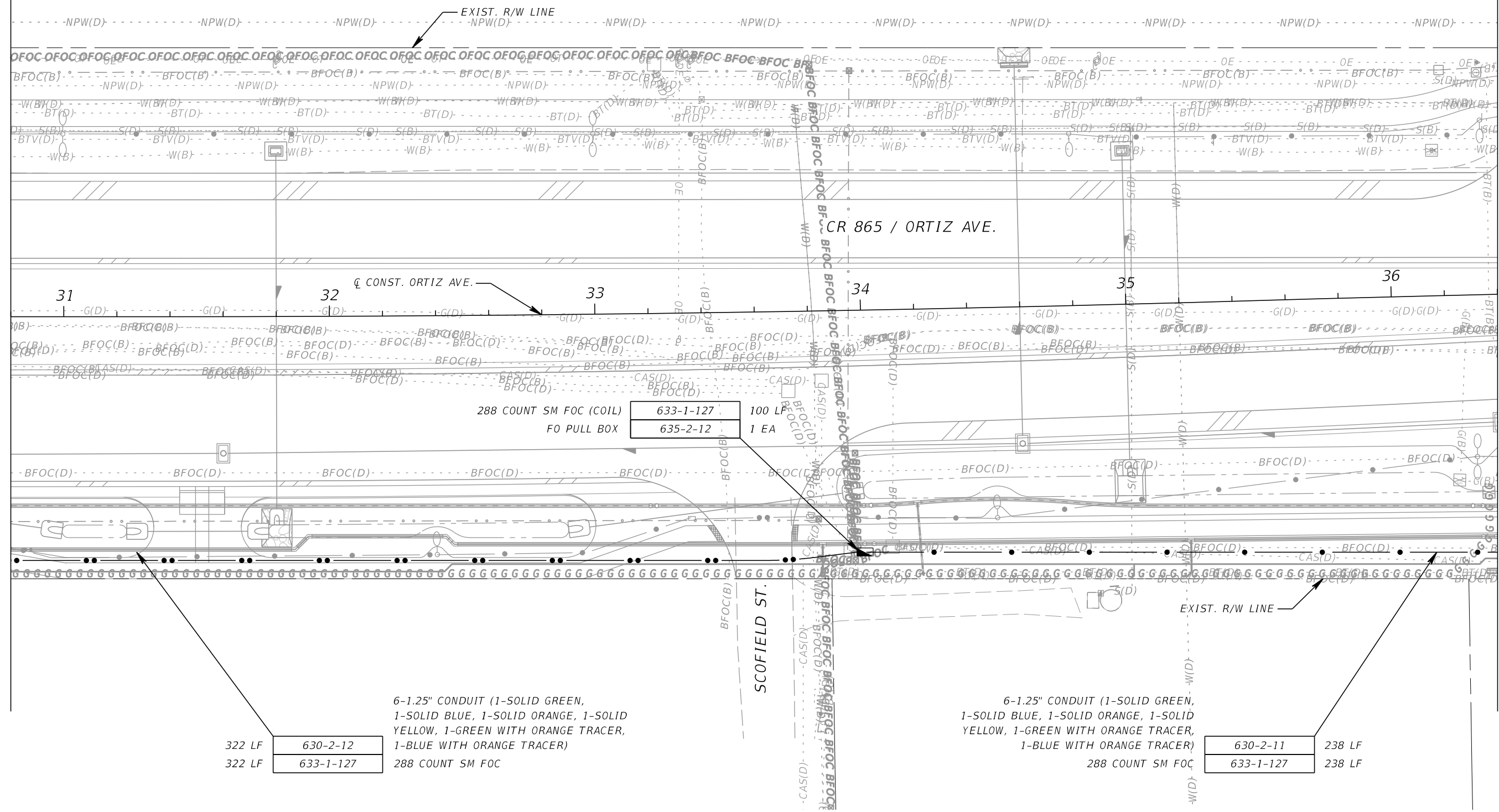
SHEET NO. IT-11

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MATCH LINE STA. 30+80

MATCH LINE STA. 36+40



288 COUNT SM FOC (COIL)  
FO PULL BOX

633-1-127	100 LF
635-2-12	1 EA

322 LF	630-2-12
322 LF	633-1-127

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

630-2-11	238 LF
633-1-127	238 LF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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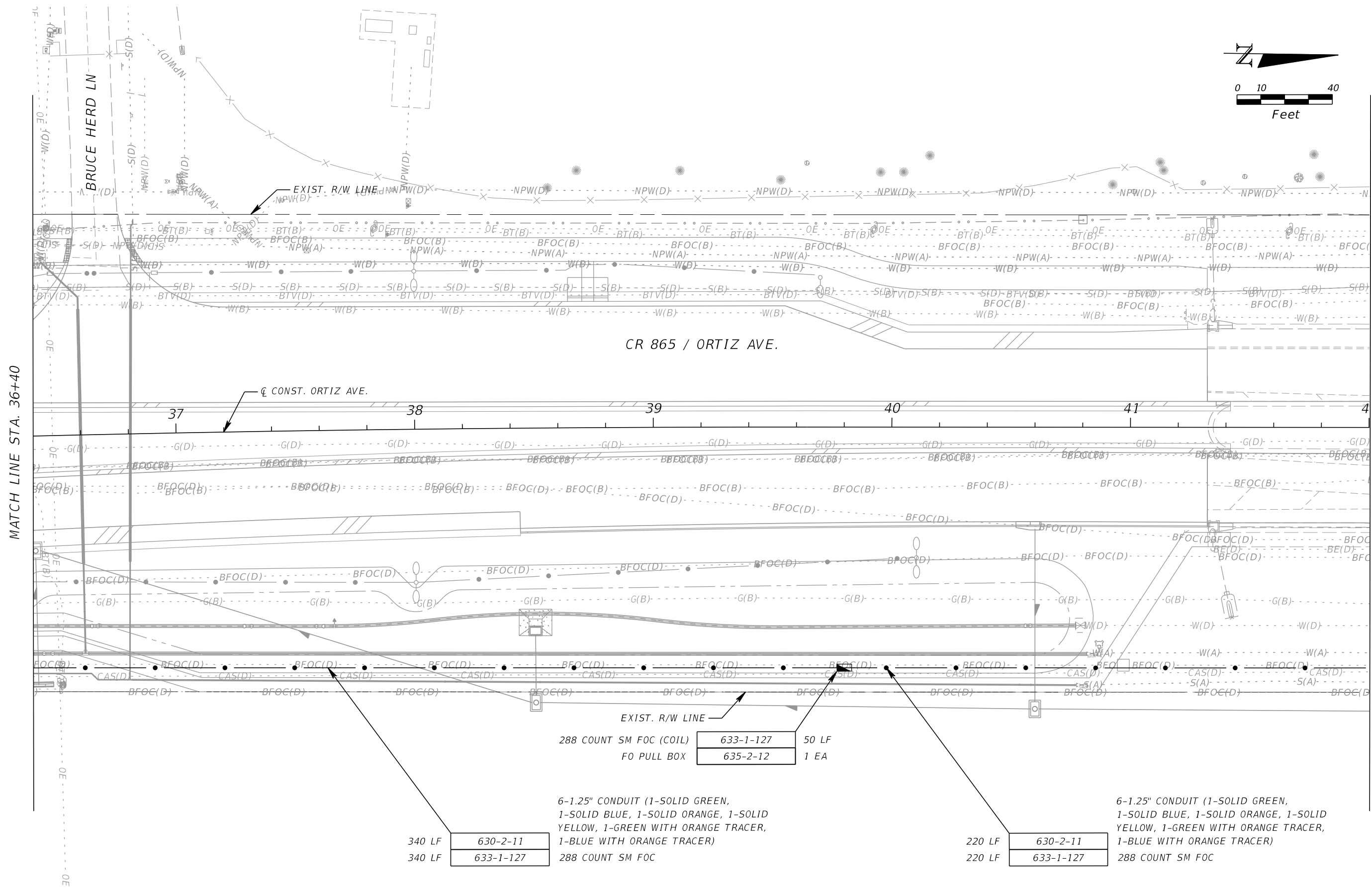
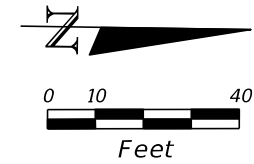
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ROAD	COUNTY	CONTRACT NO.
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*ITS PLAN (5)*

SHEET NO.  
**IT-12**

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MATCH LINE STA. 36+40

MATCH LINE STA. 42+00

CR 865 / ORTIZ AVE.

CONST. ORTIZ AVE.

EXIST. R/W LINE

288 COUNT SM FOC (COIL)	633-1-127	50 LF
FO PULL BOX	635-2-12	1 EA

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)

340 LF	630-2-11
340 LF	633-1-127

288 COUNT SM FOC

220 LF	630-2-11
220 LF	633-1-127

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)

288 COUNT SM FOC

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
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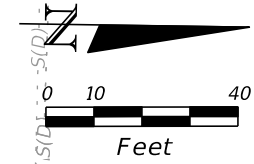
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ROAD	COUNTY	CONTRACT NO.
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ITS PLAN (6)

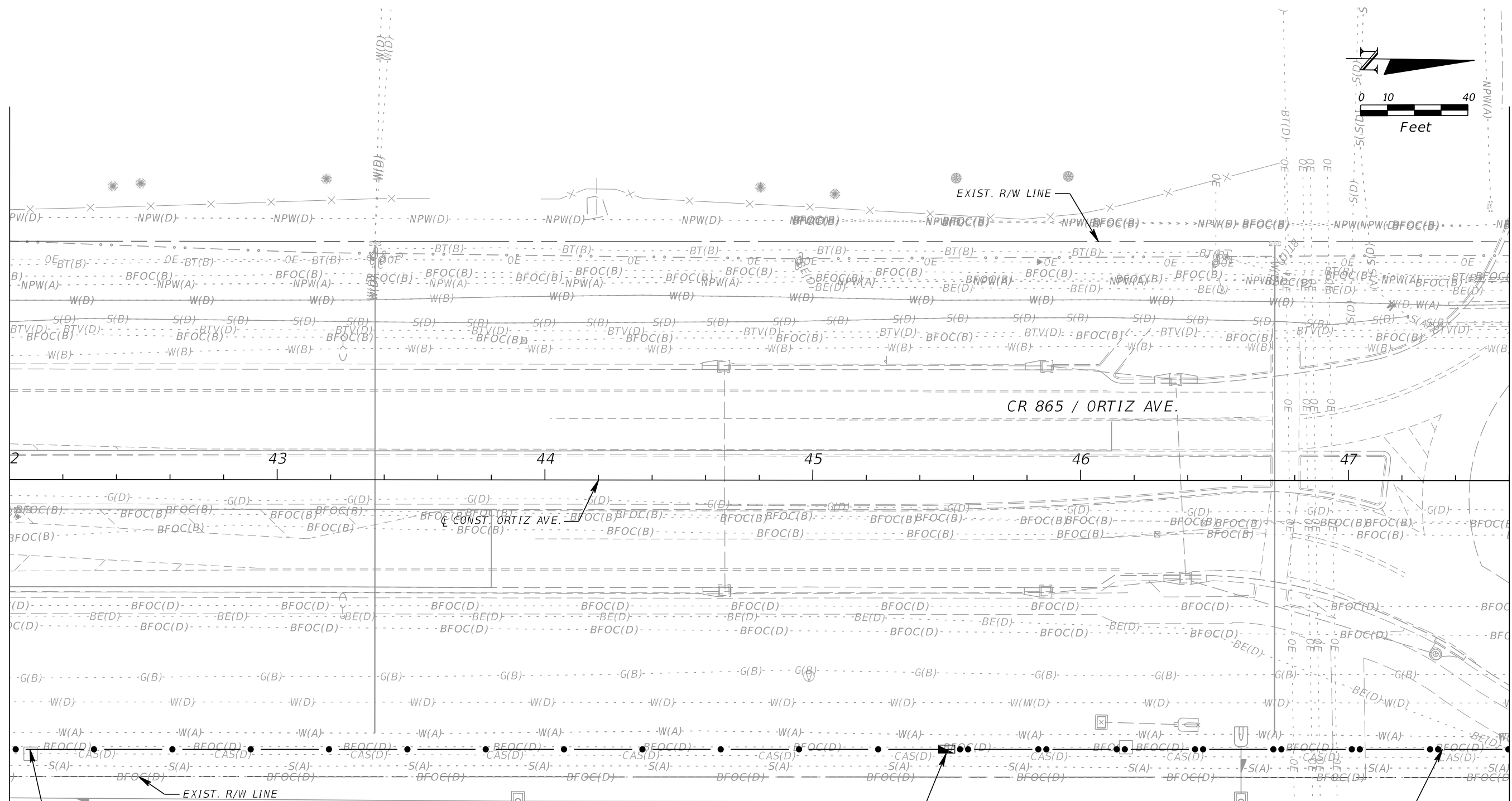
SHEET NO.  
IT-13

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MATCH LINE STA. 42+00

MATCH LINE STA. 42+00



350 LF	630-2-11
350 LF	633-1-127

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

288 COUNT SM FOC (COIL)	633-1-127	50 LF
FO PULL BOX	635-2-12	1 EA

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

630-2-12	210 LF
633-1-127	210 LF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

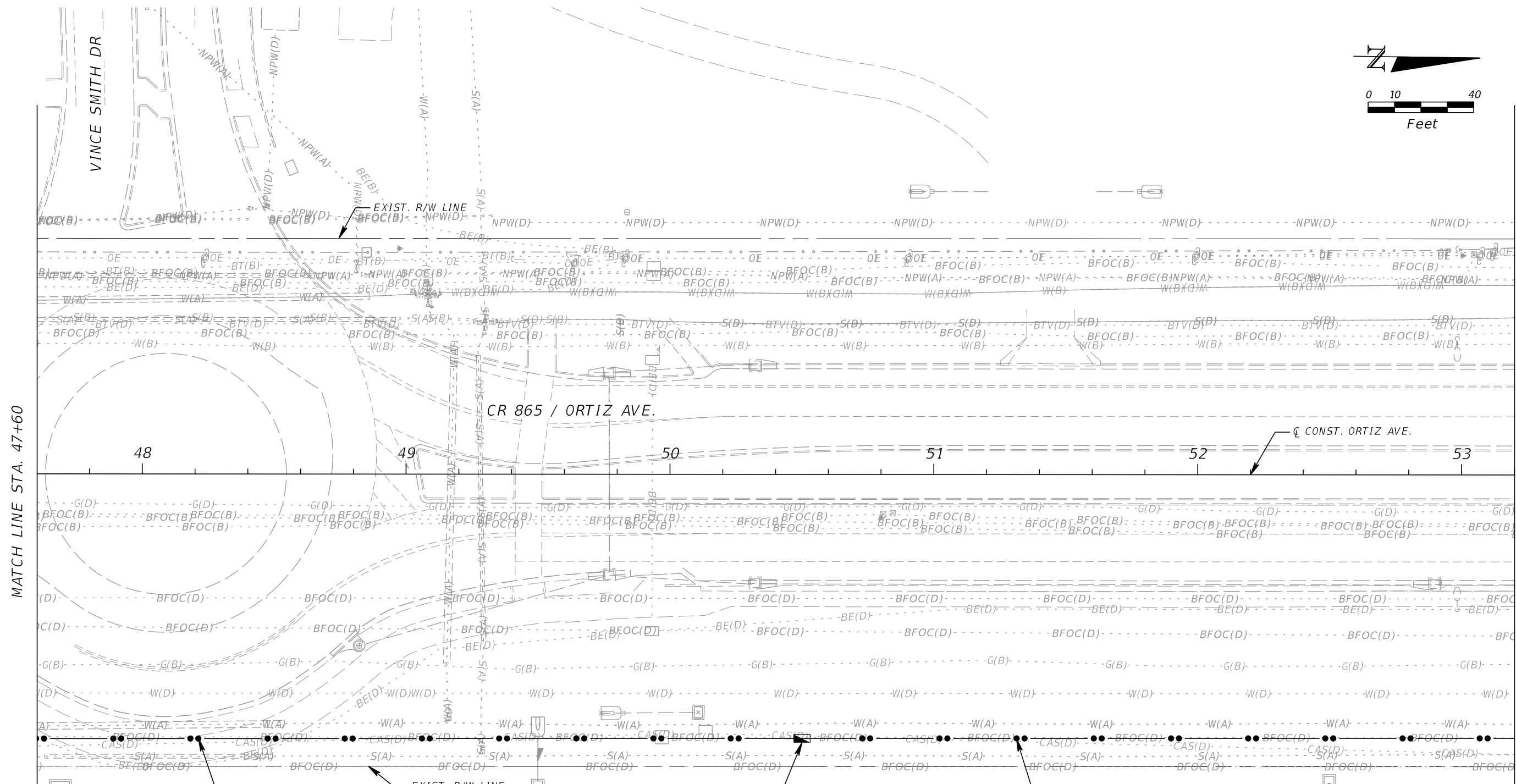
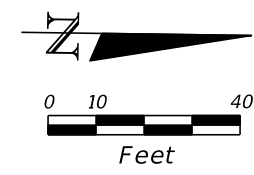
201 N. Franklin Street, Suite 400  
Tampa, Florida 33602  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (7)**

SHEET NO.  
**IT-14**

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



MATCH LINE STA. 47+60

MATCH LINE STA. 53+20

288 COUNT SM FOC (COIL)  
FO PULL BOX

633-1-127	50 LF
635-2-12	1 EA

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

290 LF	630-2-12
290 LF	633-1-127

270 LF	630-2-12
270 LF	633-1-127

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

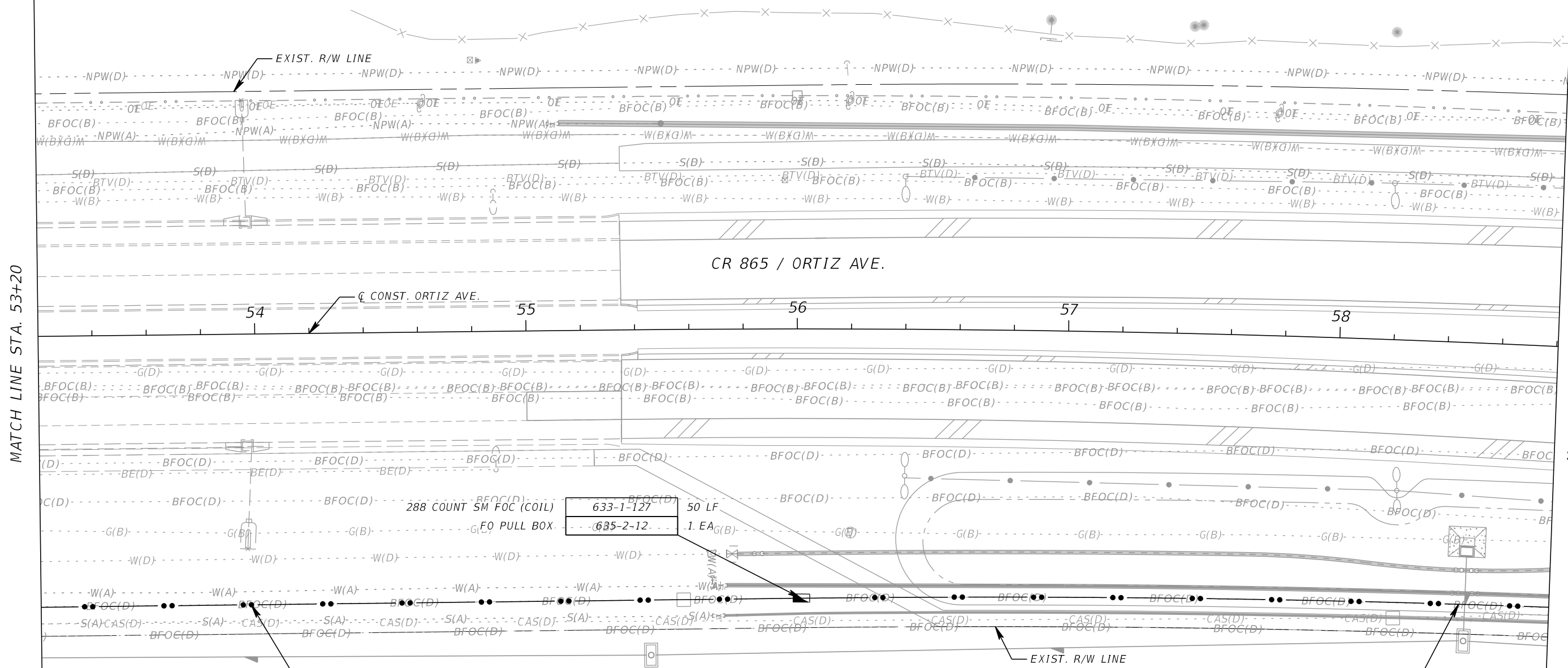
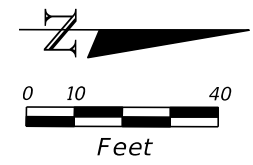
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Engineer of Record: Scott R. Samuels, P.E.

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ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (8)**

SHEET NO.  
**IT-15**

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



MATCH LINE STA. 53+20

MATCH LINE STA. 58+80

280 LF	630-2-12
280 LF	633-1-127

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

630-2-12	280 LF
633-1-127	280 LF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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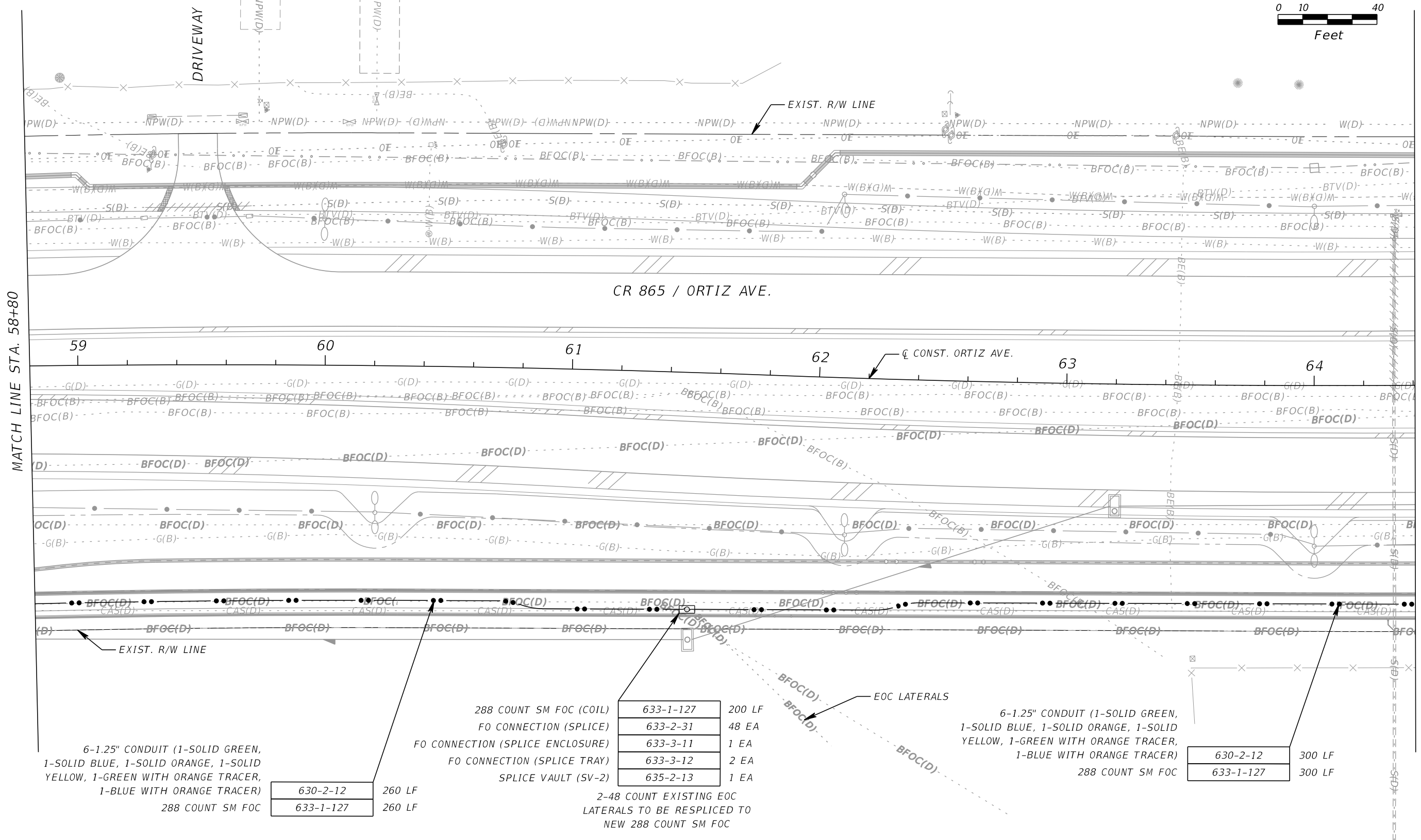
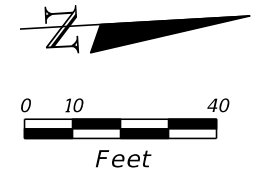
LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (9)**

SHEET NO.  
**IT-16**

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6-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

630-2-12	260 LF
633-1-127	260 LF

288 COUNT SM FOC (COIL)  
FO CONNECTION (SPLICE)  
FO CONNECTION (SPLICE ENCLOSURE)  
FO CONNECTION (SPLICE TRAY)  
SPLICE VAULT (SV-2)

633-1-127	200 LF
633-2-31	48 EA
633-3-11	1 EA
633-3-12	2 EA
635-2-13	1 EA

2-48 COUNT EXISTING EOC LATERALS TO BE RESPliced TO NEW 288 COUNT SM FOC

6-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER)  
288 COUNT SM FOC

630-2-12	300 LF
633-1-127	300 LF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

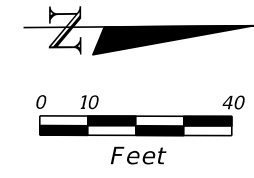
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Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

ITS PLAN (10)

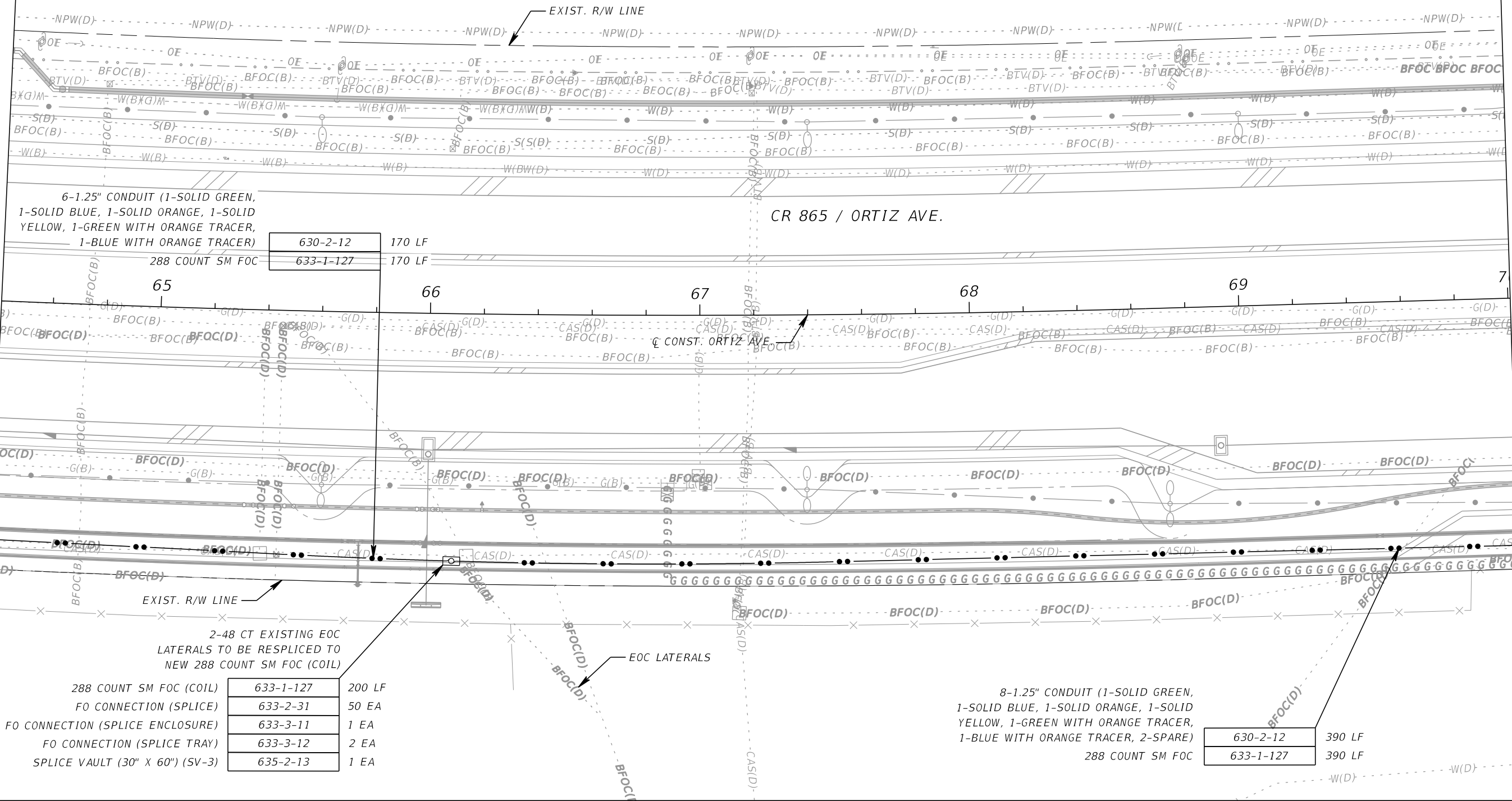
SHEET NO.  
IT-17

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



MATCH LINE STA. 64+40

MATCH LINE STA. 70+00



6-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER)

630-2-12	170 LF
633-1-127	170 LF

2-48 CT EXISTING EOC  
LATERALS TO BE RESPLICED TO  
NEW 288 COUNT SM FOC (COIL)

288 COUNT SM FOC (COIL)	633-1-127	200 LF
FO CONNECTION (SPLICE)	633-2-31	50 EA
FO CONNECTION (SPLICE ENCLOSURE)	633-3-11	1 EA
FO CONNECTION (SPLICE TRAY)	633-3-12	2 EA
SPLICE VAULT (30" X 60") (SV-3)	635-2-13	1 EA

8-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER, 2-SPARE)

630-2-12	390 LF
633-1-127	390 LF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

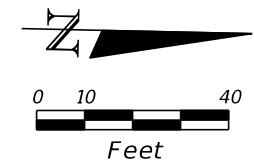
201 N. Franklin Street, Suite 400  
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Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (11)**

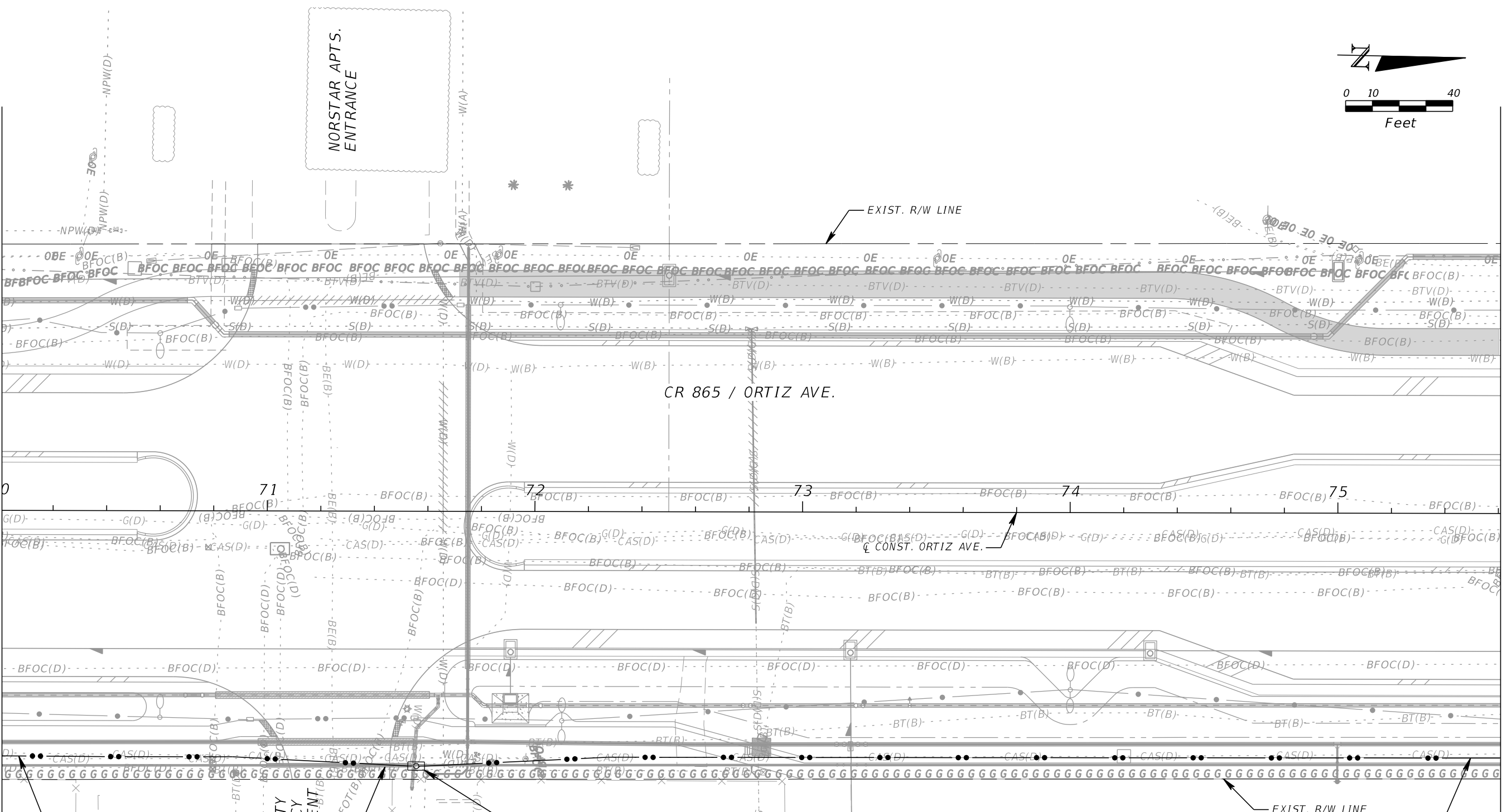
SHEET NO.  
**IT-18**

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



MATCH LINE STA. 70+00

MATCH LINE STA. 75+60



155 LF	630-2-12
155 LF	633-1-127

8-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER, 2-SPARE)  
288 COUNT SM FOC

200 LF	633-1-127	288 COUNT SM FOC (COIL)
36 EA	633-2-31	FO CONNECTION (SPLICE)
1 EA	633-3-11	FO CONNECTION (SPLICE ENCLOSURE)
2 EA	633-3-12	FO CONNECTION (SPLICE TRAY)
1 EA	635-2-13	SPLICE VAULT (SV-4)

REPLACE EXISTING FO PULL BOX WITH NEW FO SPLICE VAULT. SPLICE NEW FO BACKBONE TO THE EXISTING 48 COUNT FIBER OF ITG TO REMAIN FOR EMERGENCY OPERATIONS MANAGEMENT (EOC).

8-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER, 2-SPARE)  
288 COUNT SM FOC

630-2-12	405 LF
633-1-127	405 LF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

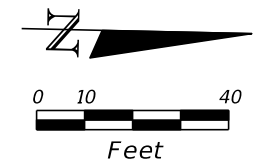
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Tampa, Florida 33602  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

*ITS PLAN (12)*

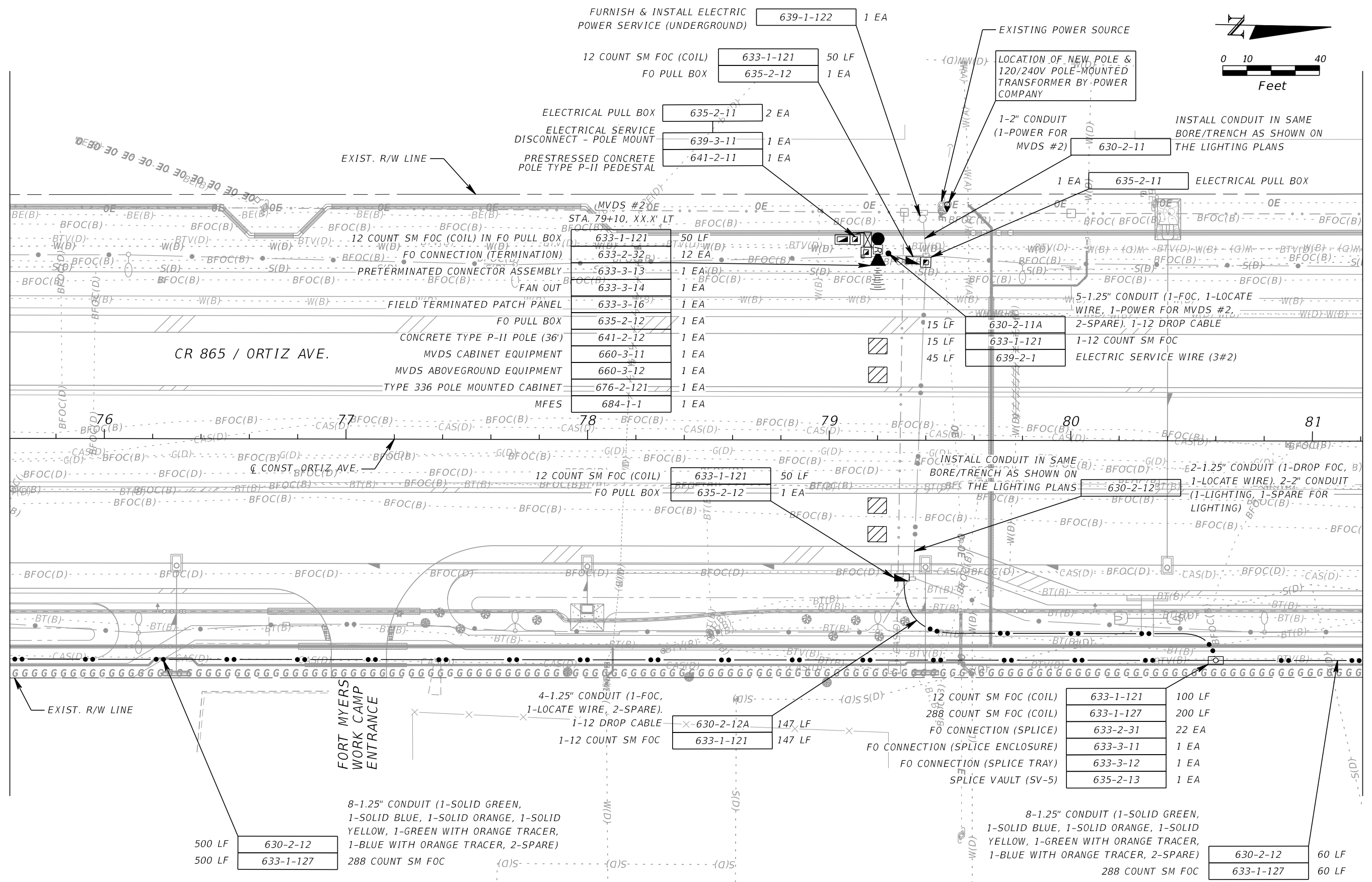
SHEET NO.  
**IT-19**

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



MATCH LINE STA. 75+60

MATCH LINE STA. 81+20



FURNISH & INSTALL ELECTRIC POWER SERVICE (UNDERGROUND)

639-1-122	1 EA
633-1-121	50 LF
635-2-12	1 EA
635-2-11	2 EA
639-3-11	1 EA
641-2-11	1 EA

12 COUNT SM FOC (COIL)  
FO PULL BOX

ELECTRICAL PULL BOX  
ELECTRICAL SERVICE DISCONNECT - POLE MOUNT  
PRESTRESSED CONCRETE POLE TYPE P-II PEDESTAL

EXIST. R/W LINE

STA. 79+10, XX.X' LT

633-1-121	50 LF
633-2-32	12 EA
633-3-13	1 EA
633-3-14	1 EA
633-3-16	1 EA
635-2-12	1 EA
641-2-12	1 EA
660-3-11	1 EA
660-3-12	1 EA
676-2-121	1 EA
684-1-1	1 EA

MVDS #2  
12 COUNT SM FOC (COIL) IN FO PULL BOX  
FO CONNECTION (TERMINATION)  
PRETERMINATED CONNECTOR ASSEMBLY  
FAN OUT  
FIELD TERMINATED PATCH PANEL  
FO PULL BOX  
CONCRETE TYPE P-II POLE (36')  
MVDS CABINET EQUIPMENT  
MVDS ABOVEGROUND EQUIPMENT  
TYPE 336 POLE MOUNTED CABINET  
MFES

EXISTING POWER SOURCE

LOCATION OF NEW POLE & 120/240V POLE-MOUNTED TRANSFORMER BY POWER COMPANY

INSTALL CONDUIT IN SAME BORE/TRENCH AS SHOWN ON THE LIGHTING PLANS

1-2" CONDUIT (1-POWER FOR MVDS #2)

5-1.25" CONDUIT (1-FOC, 1-LOCATE WIRE, 1-POWER FOR MVDS #2, 2-SPARE), 1-12 DROP CABLE

INSTALL CONDUIT IN SAME BORE/TRENCH AS SHOWN ON THE LIGHTING PLANS

E-2-1.25" CONDUIT (1-DROP FOC, 1-LOCATE WIRE, 2-2" CONDUIT (1-LIGHTING, 1-SPARE FOR LIGHTING))

4-1.25" CONDUIT (1-FOC, 1-LOCATE WIRE, 2-SPARE), 1-12 DROP CABLE, 1-12 COUNT SM FOC

12 COUNT SM FOC (COIL)	633-1-121	100 LF
288 COUNT SM FOC (COIL)	633-1-127	200 LF
FO CONNECTION (SPlice)	633-2-31	22 EA
FO CONNECTION (SPlice ENCLOSURE)	633-3-11	1 EA
FO CONNECTION (SPlice TRAY)	633-3-12	1 EA
SPlice VAULT (SV-5)	635-2-13	1 EA

8-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER, 2-SPARE)

630-2-12	60 LF
633-1-127	60 LF

500 LF	630-2-12
500 LF	633-1-127

8-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER, 2-SPARE)

FORT MYERS WORK CAMP ENTRANCE

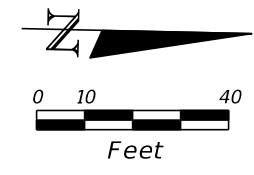
EXIST. R/W LINE

CR 865 / ORTIZ AVE.

REVISIONS				KCA KISINGER CAMPO & ASSOCIATES P.E. No.: 88738	LEE COUNTY DEPARTMENT OF TRANSPORTATION			SHEET NO. IT-20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD CR 865 (ORTIZ AVE.)	COUNTY LEE COUNTY	CONTRACT NO. CN18-8479	
				201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Scott R. Samuels, P.E.				

ITS PLAN (13)

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



MATCH LINE STA. 81+20

MATCH LINE STA. 86+80

CR 865 / ORTIZ AVE.

82

83

84

85

86

8-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER, 2-SPARE)  
288 COUNT SM FOC

630-2-12	530 LF
633-1-127	530 LF

8-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER, 2-SPARE)  
288 COUNT SM FOC

630-2-12	30 LF
633-1-127	30 LF

288 COUNT SM FOC (COIL)  
FO CONNECTION (SPLICE)  
FO CONNECTION (SPLICE ENCLOSURE)  
FO CONNECTION (SPLICE TRAY)  
SPLICE VAULT (30" X 60") (SV-6)

633-1-127	200 LF
633-2-31	18 EA
633-3-11	1 EA
633-3-12	2 EA
635-2-13	1 EA

LEE COUNTY  
JAIL ENTRANCE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO  
& ASSOCIATES P.E. No.: 88738

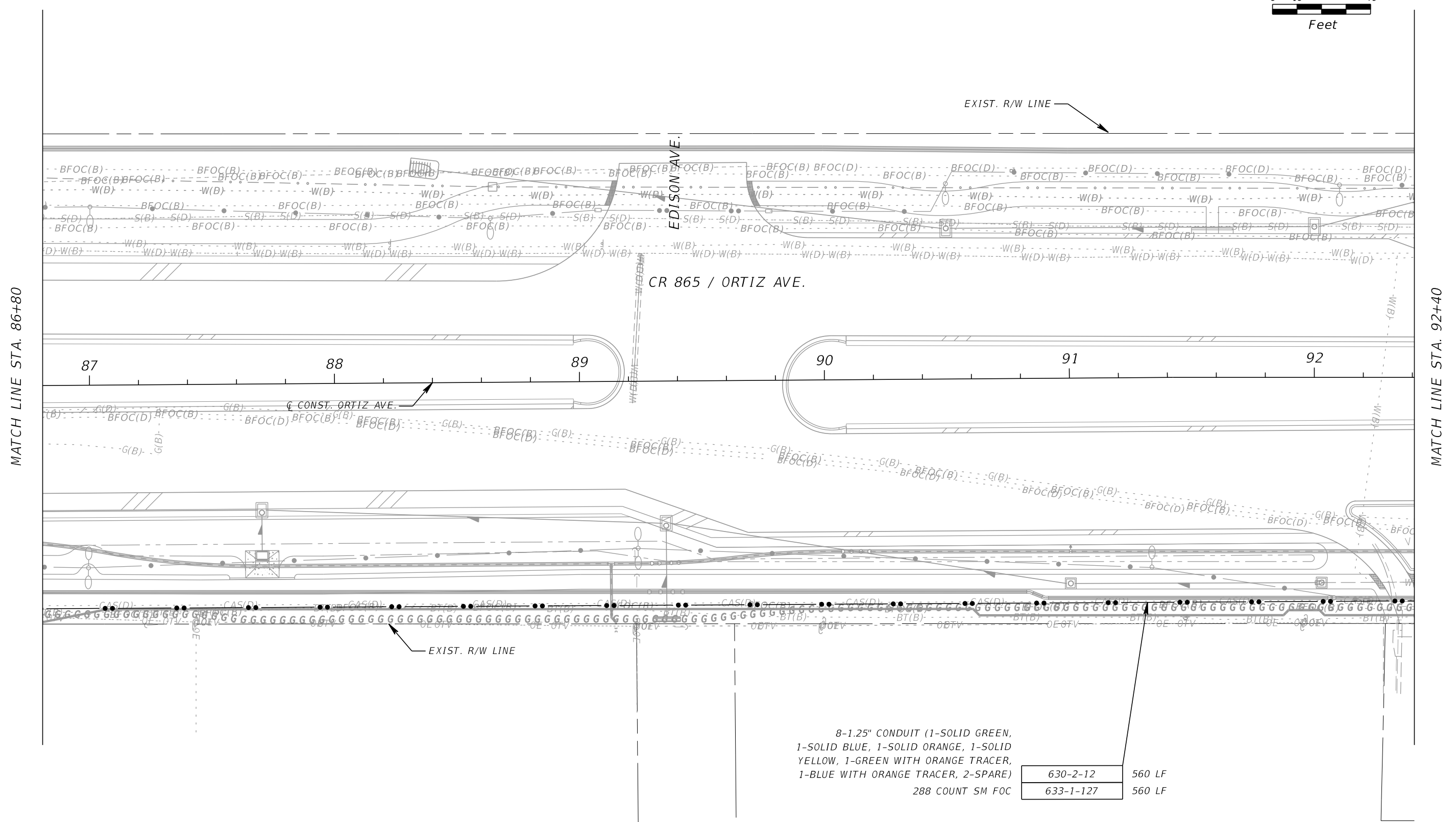
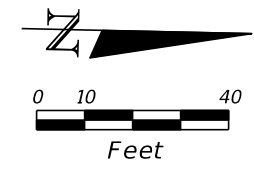
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Tampa, Florida 33602  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

ITS PLAN (14)

SHEET  
NO.  
IT-21

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



8-1.25" CONDUIT (1-SOLID GREEN,  
 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
 YELLOW, 1-GREEN WITH ORANGE TRACER,  
 1-BLUE WITH ORANGE TRACER, 2-SPARE)

630-2-12	560 LF
633-1-127	560 LF

288 COUNT SM FOC

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
 KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

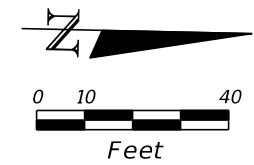
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 Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (15)**

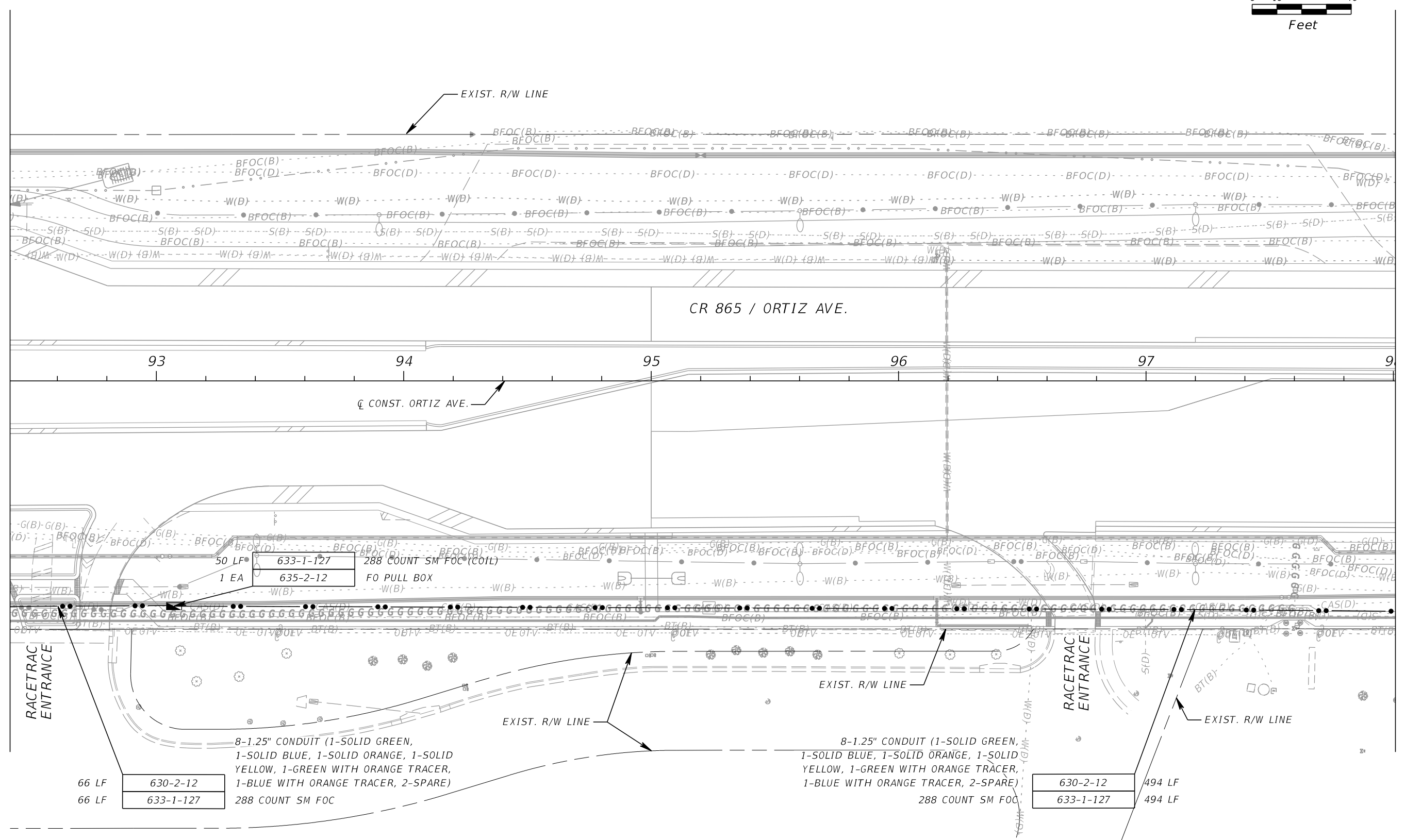
SHEET NO.  
**IT-22**

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



MATCH LINE STA. 92+40

MATCH LINE STA. 98+00



50 LF 633-1-127  
1 EA 635-2-12

288 COUNT SM FOC (COIL)  
FO PULL BOX

66 LF 630-2-12  
66 LF 633-1-127

8-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER, 2-SPARE)  
288 COUNT SM FOC

8-1.25" CONDUIT (1-SOLID GREEN,  
1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID  
YELLOW, 1-GREEN WITH ORANGE TRACER,  
1-BLUE WITH ORANGE TRACER, 2-SPARE)  
288 COUNT SM FOC

630-2-12 494 LF  
633-1-127 494 LF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

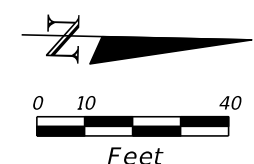
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Tampa, Florida 33602  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (16)**

SHEET NO.  
**IT-23**

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



REPLACE EXISTING DAMAGED SPLICE VAULT WITH A NEW SPLICE VAULT. SPLICE NEW 96-COUNT SM FOC (ITG) TO THE EXISTING 216-COUNT BACKBONE BUFFER TO BUFFER, FIBER TO FIBER.

FO CONNECTION (SPLICE)	633-2-31	96 EA
FO CONNECTION (SPLICE ENCLOSURE)	633-3-11	1 EA
FO CONNECTION (SPLICE TRAY)	633-3-12	8 EA
SPLICE VAULT (30" X 60") (SV-8)	635-2-13	1 EA

SECOND SPLICE VAULT IS PROPOSED TO ACCOMMODATE SLACK CABLE STORAGE OF EXISTING FOC CABLES AND PROPOSED NEW 96-COUNT SM FOC PER ITG'S REQUEST.

200 LF	633-1-123	96 COUNT SM FOC (COIL)
1 EA	635-2-13	SPLICE VAULT (30" X 60") (SV-9)

END ITS  
STA. 103+01.42  
C CONST. ORTIZ AVE.

END PROJECT  
STA. 100+33.34  
C CONST. ORTIZ AVE

100 LF	630-2-12	8-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER, 2-SPARE)
100 LF	633-1-127	288 COUNT SM FOC

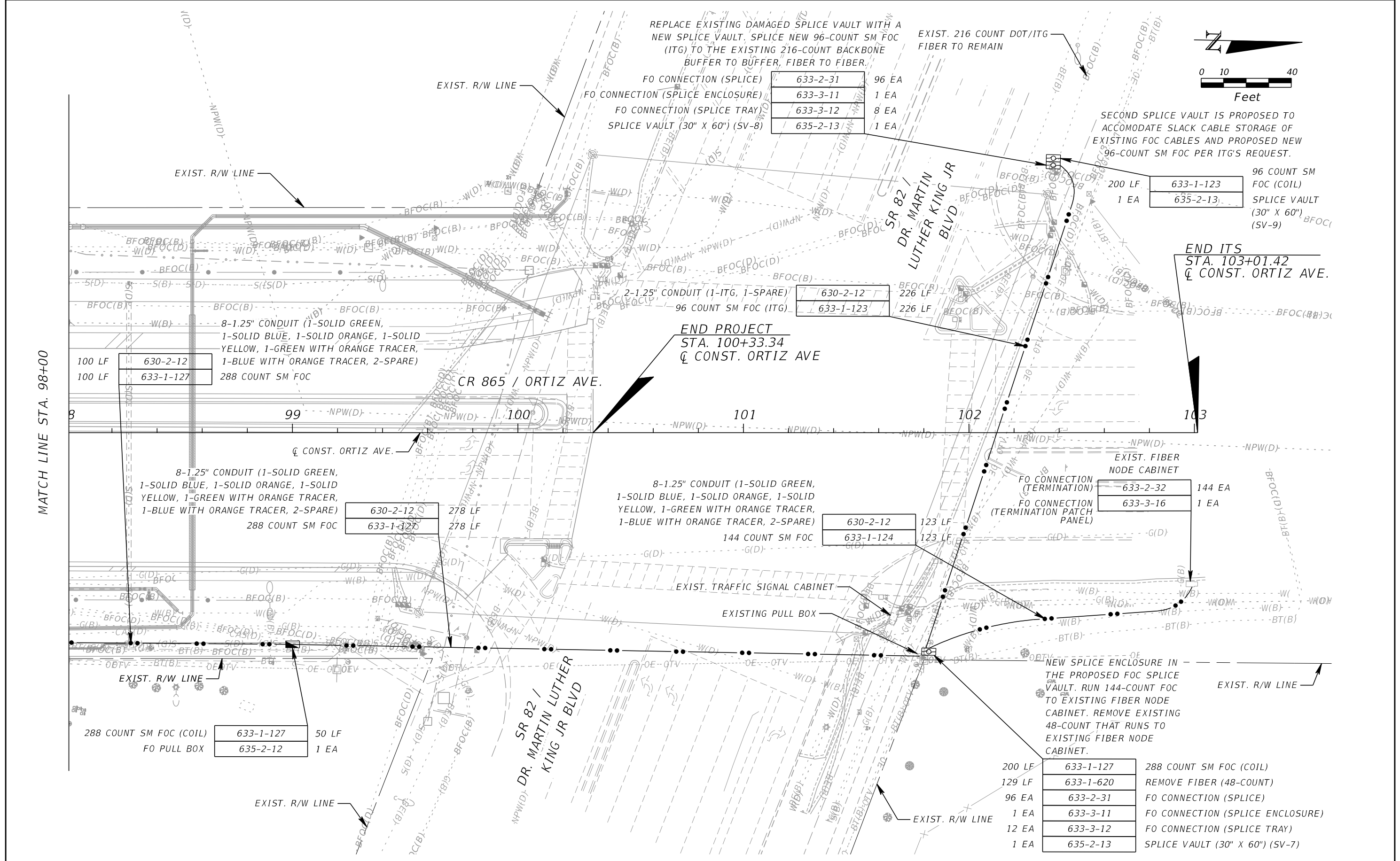
278 LF	630-2-12	8-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER, 2-SPARE)
278 LF	633-1-127	288 COUNT SM FOC

123 LF	630-2-12	8-1.25" CONDUIT (1-SOLID GREEN, 1-SOLID BLUE, 1-SOLID ORANGE, 1-SOLID YELLOW, 1-GREEN WITH ORANGE TRACER, 1-BLUE WITH ORANGE TRACER, 2-SPARE)
123 LF	633-1-124	144 COUNT SM FOC

144 EA	633-2-32	FO CONNECTION (TERMINATION)
1 EA	633-3-16	FO CONNECTION (TERMINATION PATCH PANEL)

50 LF	633-1-127	288 COUNT SM FOC (COIL)
1 EA	635-2-12	FO PULL BOX

200 LF	633-1-127	288 COUNT SM FOC (COIL)
129 LF	633-1-620	REMOVE FIBER (48-COUNT)
96 EA	633-2-31	FO CONNECTION (SPLICE)
1 EA	633-3-11	FO CONNECTION (SPLICE ENCLOSURE)
12 EA	633-3-12	FO CONNECTION (SPLICE TRAY)
1 EA	635-2-13	SPLICE VAULT (30" X 60") (SV-7)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

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Tampa, Florida 33602  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS PLAN (17)**

SHEET NO.  
**IT-24**

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



**NOTE:**

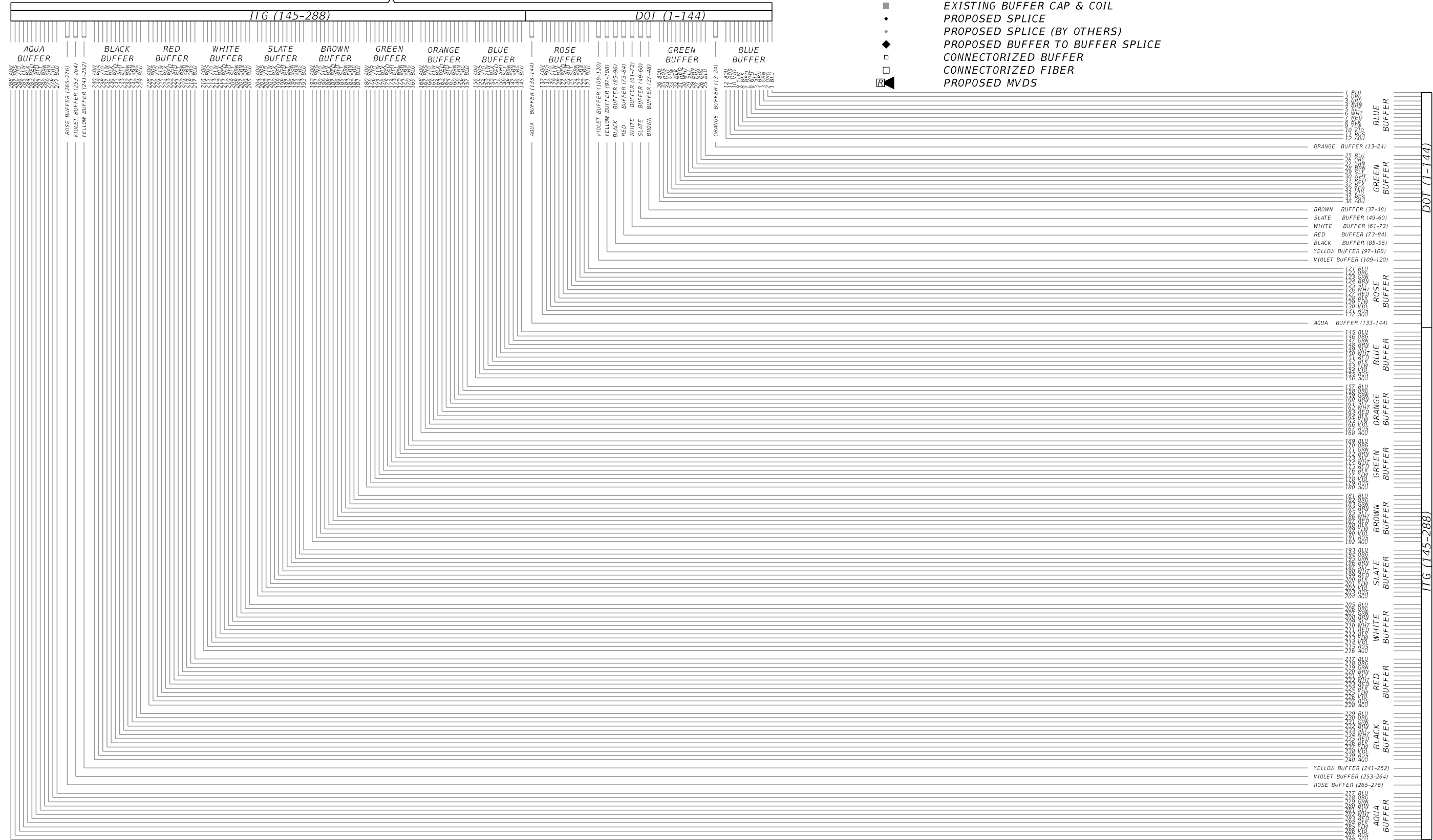
SPLICE BOX, ASSOCIATED COMMUNICATIONS INFRASTRUCTURE HAVE BEEN PROPOSED ON FPID: 413065-1-52-01. SEE NOTES ON ITS PLAN (1), SHEET NUMBER IT-8.

TO EXISTING LCDOT MASTER COMMUNICATION HUB IN THE SW CORNER OF COLONIAL BLVD. AND ORTIZ AVE.

PROPOSED 288 SM FOC (BY OTHERS, SEE NOTE)


**LEGEND:**

- PROPOSED FIBER
- PROPOSED FIBER (BY OTHERS, FPID: 413065-1-52-01)
- - - EXISTING FIBER
- PROPOSED FIBER CAP & COIL
- PROPOSED BUFFER CAP & COIL
- EXISTING FIBER CAP & COIL (BY OTHERS)
- EXISTING BUFFER CAP & COIL
- PROPOSED SPLICE
- PROPOSED SPLICE (BY OTHERS)
- ◆ PROPOSED BUFFER TO BUFFER SPLICE
- CONNECTORIZED BUFFER
- CONNECTORIZED FIBER
- ◀ PROPOSED MVDS



PROPOSED (BY OTHERS) 288 COUNT SM TRUNK CABLE  
MATCH LINE 1 - SEE SPLICING DIAGRAM (2)

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REVISIONS				 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Scott R. Samuels, P.E. KISINGER CAMPO & ASSOCIATES P.E. No.: 88738	LEE COUNTY DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.	
				CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479	IT-25	

**SPLICING DIAGRAM (1)**

PROPOSED SPLICE VAULT (BY OTHERS) STA. 12+24, 70' RT

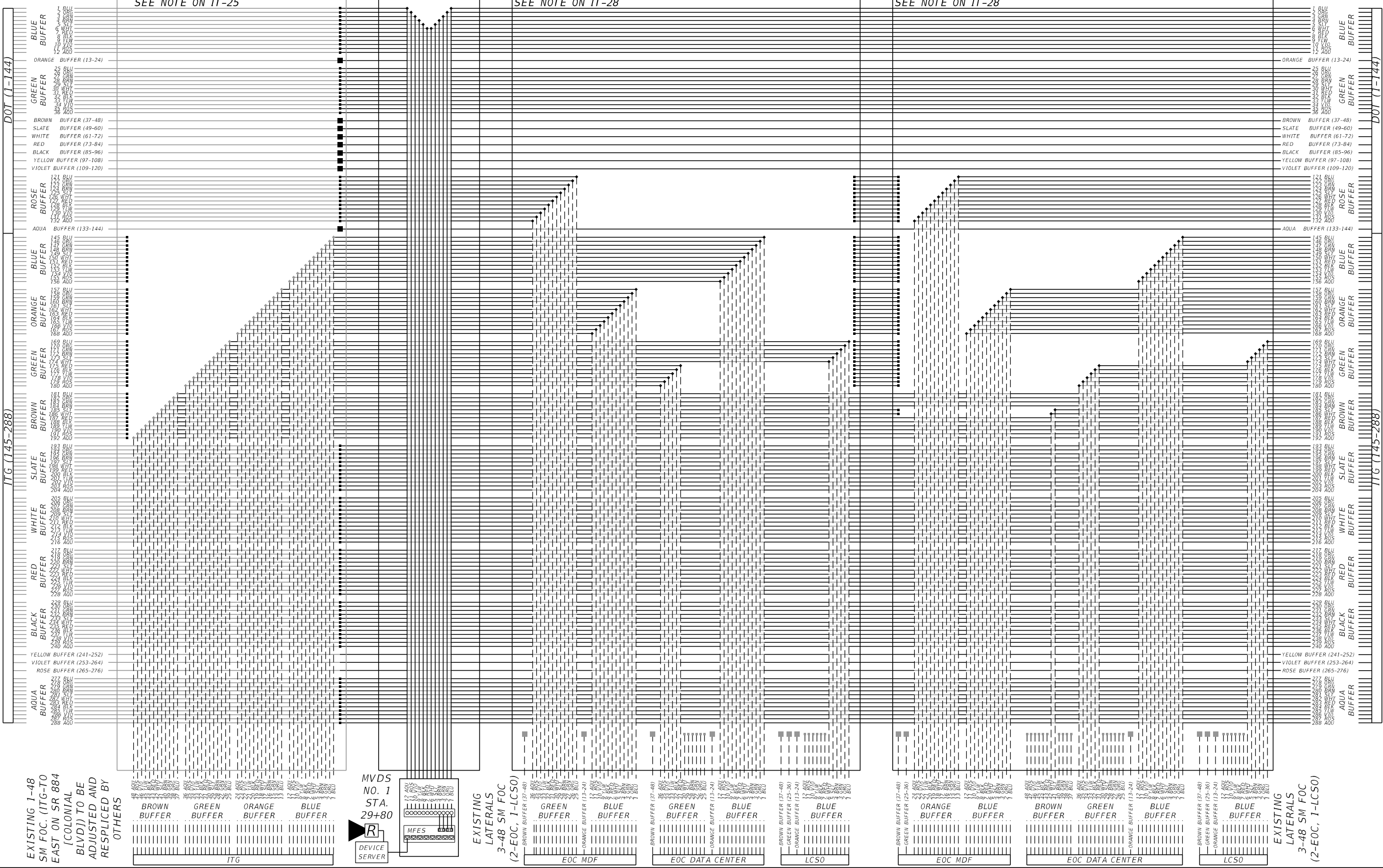
PROPOSED SPLICE VAULT (SV-2) STA. 30+00, 89' RT

PROPOSED SPLICE VAULT (SV-3 - EOC SOUTH VAULT) STA. 61+49, 96' RT

PROPOSED SPLICE VAULT (SV-4 - EOC NORTH VAULT) STA. 66+09, 92' RT



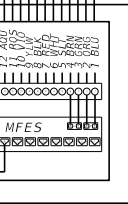
MATCH LINE 1 - SEE SPlicing DIAGRAM (1)  
PROPOSED (BY OTHERS) 288 COUNT SM TRUNK CABLE



EXISTING 1-48 SM FOC (ITG-TO EAST ON SR 884 [COLONIAL BLVD]) TO BE ADJUSTED AND RESPLICED BY OTHERS

BROWN BUFFER (37-48)  
GREEN BUFFER (49-60)  
ORANGE BUFFER (61-72)  
BLUE BUFFER (73-84)

MVDS NO. 1 STA. 29+80  
R DEVICE SERVER



EXISTING LATERALS 3-48 SM FOC (2-EOC, 1-LCSO)

BROWN BUFFER (37-48)  
GREEN BUFFER (49-60)  
ORANGE BUFFER (61-72)  
BLUE BUFFER (73-84)

BROWN BUFFER (37-48)  
GREEN BUFFER (49-60)  
ORANGE BUFFER (61-72)  
BLUE BUFFER (73-84)

BROWN BUFFER (37-48)  
GREEN BUFFER (49-60)  
ORANGE BUFFER (61-72)  
BLUE BUFFER (73-84)

BROWN BUFFER (37-48)  
GREEN BUFFER (49-60)  
ORANGE BUFFER (61-72)  
BLUE BUFFER (73-84)

BROWN BUFFER (37-48)  
GREEN BUFFER (49-60)  
ORANGE BUFFER (61-72)  
BLUE BUFFER (73-84)

BROWN BUFFER (37-48)  
GREEN BUFFER (49-60)  
ORANGE BUFFER (61-72)  
BLUE BUFFER (73-84)

BROWN BUFFER (37-48)  
GREEN BUFFER (49-60)  
ORANGE BUFFER (61-72)  
BLUE BUFFER (73-84)

EXISTING LATERALS 3-48 SM FOC (2-EOC, 1-LCSO)

MATCH LINE 2 - SEE SPlicing DIAGRAM (3)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA** 201 N. Franklin Street, Suite 400  
Tampa, Florida 33602  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**SPLICING DIAGRAM (2)**

SHEET NO.
IT-26

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

PROPOSED SPLICE VAULT (SV-5  
- OLD EOC) STA. 71+56, 95' RT

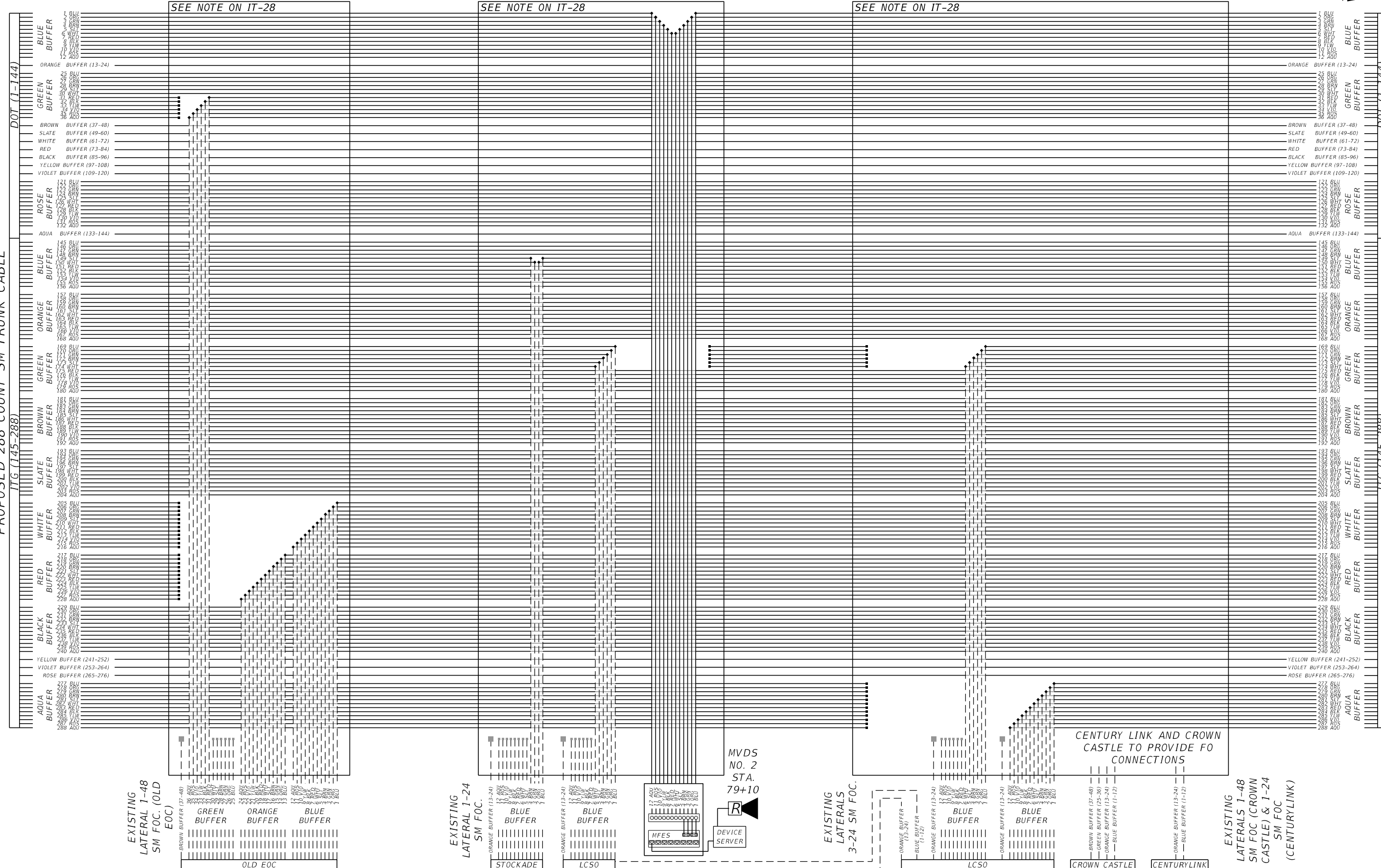
PROPOSED SPLICE VAULT (SV-6  
- STOCKADE) STA. 80+60, 91' RT

PROPOSED SPLICE VAULT  
(SV-7) STA. 86+46, 91' RT

N.T.S.

MATCH LINE 2 - SEE SPlicing DIAGRAM (2)  
PROPOSED 288 COUNT SM TRUNK CABLE

MATCH LINE 3 - SEE SPlicing DIAGRAM (4)



REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA** 201 N. Franklin Street, Suite 400  
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Engineer of Record: Scott R. Samuels, P.E.  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

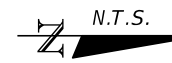
**SPLICING DIAGRAM (3)**

SHEET NO.
IT-27

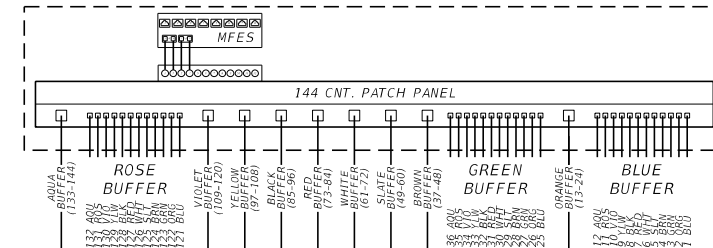
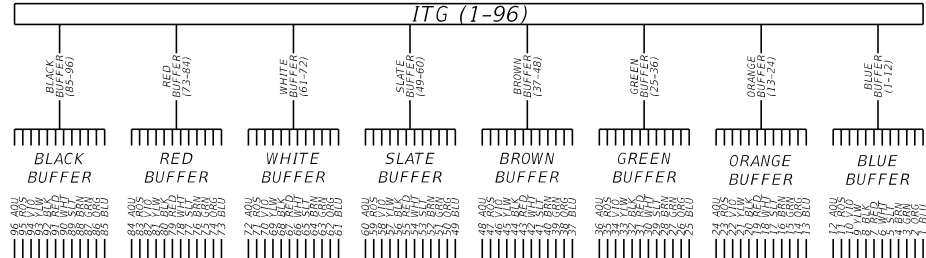
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

MATCH LINE 4  
PROPOSED 96 COUNT SM CABLE - SEE INSET

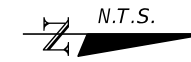
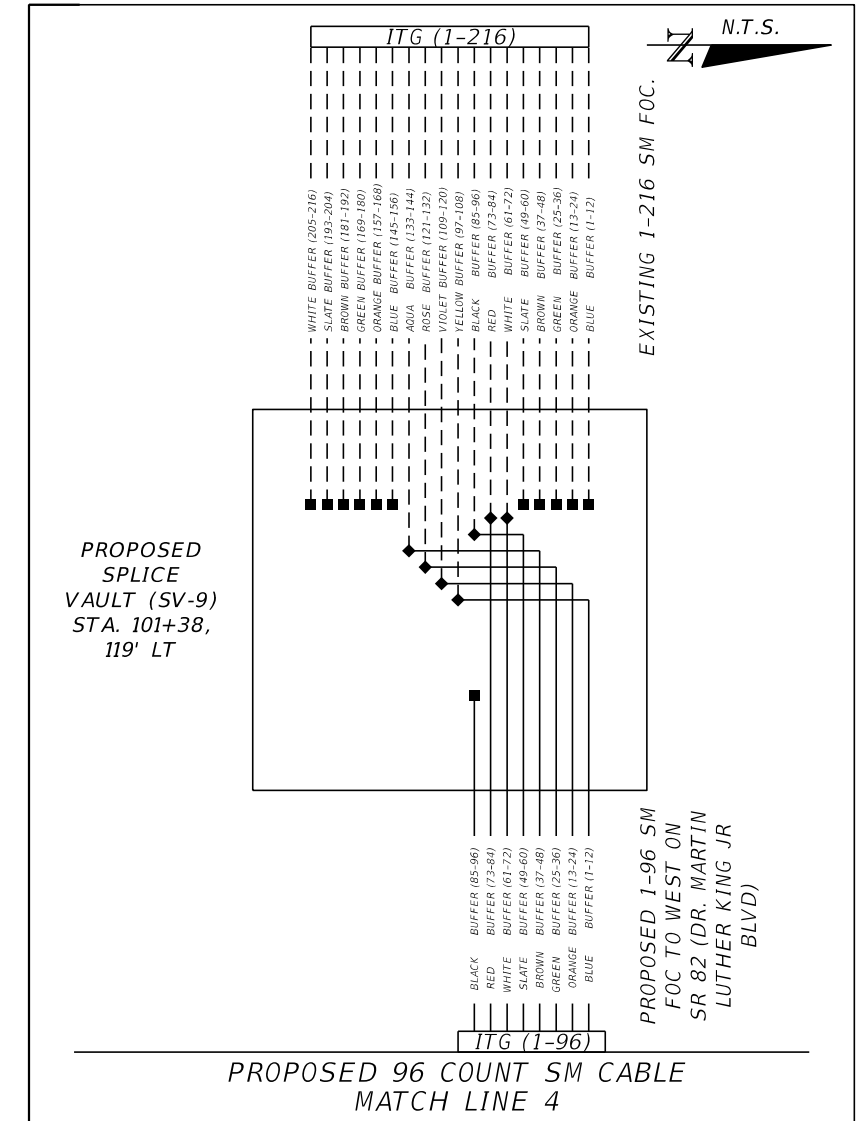
EXISTING FIBER NODE CABINET IN THE NE CORNER OF ORTIZ AVE.  
AND DR. MARTIN LUTHER KING JR BLVD. STA. 103+01.40



PROPOSED 1-96 SM  
FOC TO WEST ON SR  
82 (DR. MARTIN  
LUTHER KING JR  
BLVD)



INSET



EXISTING 1-216 SM FOC.

PROPOSED  
SPLICE  
VAULT (SV-9)  
STA. 101+38,  
119' LT

PROPOSED 1-96 SM  
FOC TO WEST ON  
SR 82 (DR. MARTIN  
LUTHER KING JR  
BLVD)

NOTE:  
THE CONTRACTOR SHALL FIELD  
VERIFY EXISTING SPLICES,  
DUPLICATE THESE SPLICES IN  
THE NEW SPLICE BOX, AND GET  
APPROVAL OF THE ENGINEER  
DURING SHOP DRAWINGS.

PROPOSED SPLICE  
VAULT (SV-8)  
STA. 101+82, 98' RT

MATCH LINE 3 - SEE SPLICING DIAGRAM (3)  
PROPOSED 288 COUNT SM TRUNK CABLE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

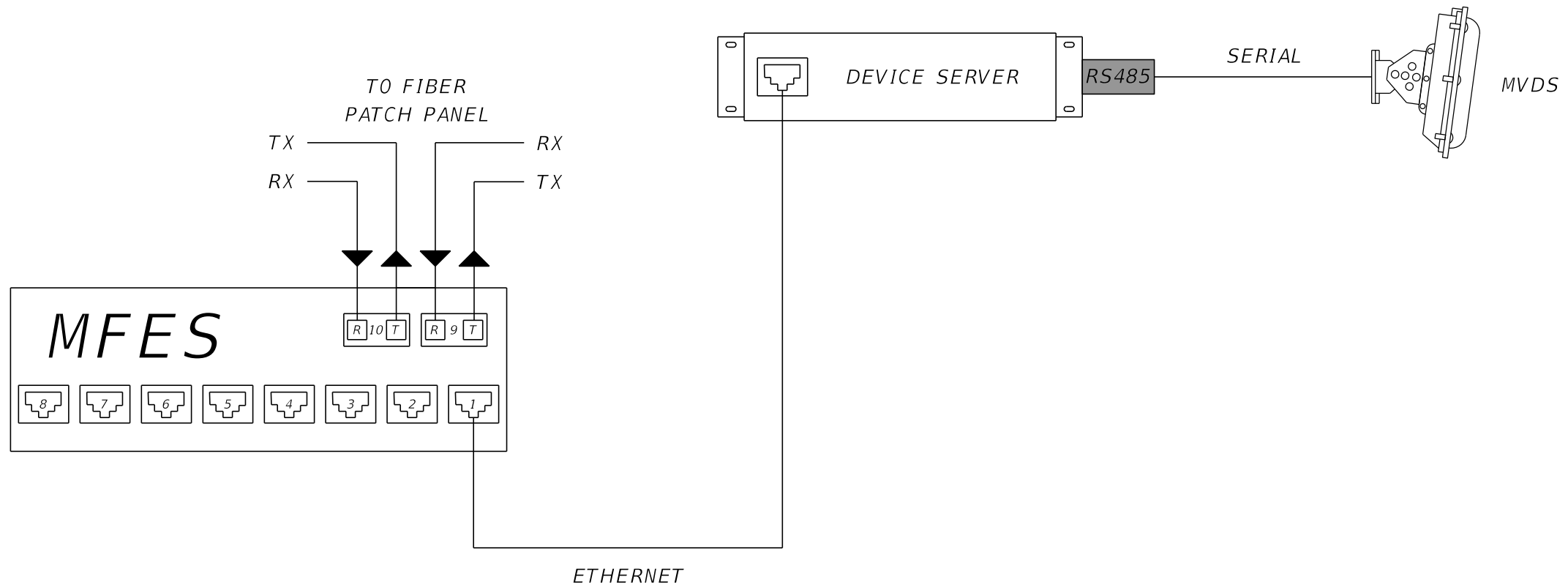
**KCA**  
KISINGER CAMPO  
& ASSOCIATES P.E. No.: 88738

201 N. Franklin Street, Suite 400  
Tampa, Florida 33602  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD CR 865 (ORTIZ AVE.)	COUNTY LEE COUNTY	CONTRACT NO. CN18-8479

**SPLICING DIAGRAM (4)**

SHEET NO. IT-28
-----------------------



NOT TO SCALE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 KISINGER CAMPO & ASSOCIATES P.E. No.: 88738  
 201 N. Franklin Street, Suite 400  
 Tampa, Florida 33602  
 Engineer of Record: Scott R. Samuels, P.E.

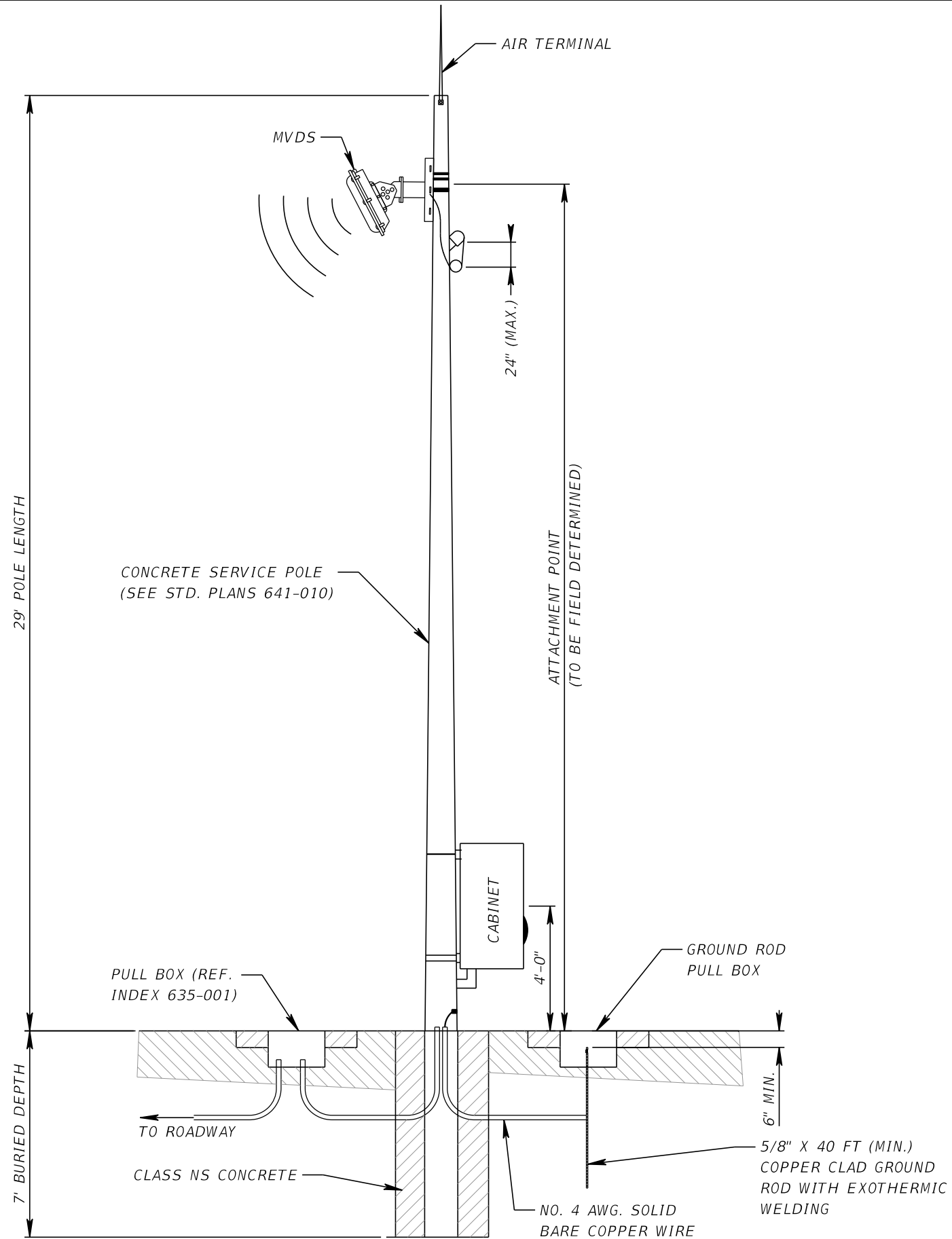
LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**MANAGED FIELD ETHERNET SWITCH PORT ASSIGNMENT DETAIL**

SHEET NO.  
IT-29

**CONCRETE SERVICE POLE**

WITH POLE MOUNTED CABINET



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

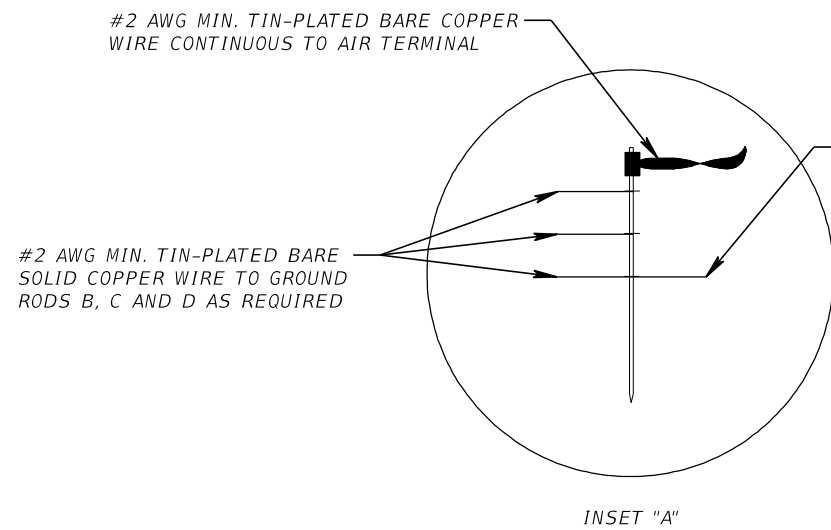
201 N. Franklin Street, Suite 400  
Tampa, Florida 33602  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

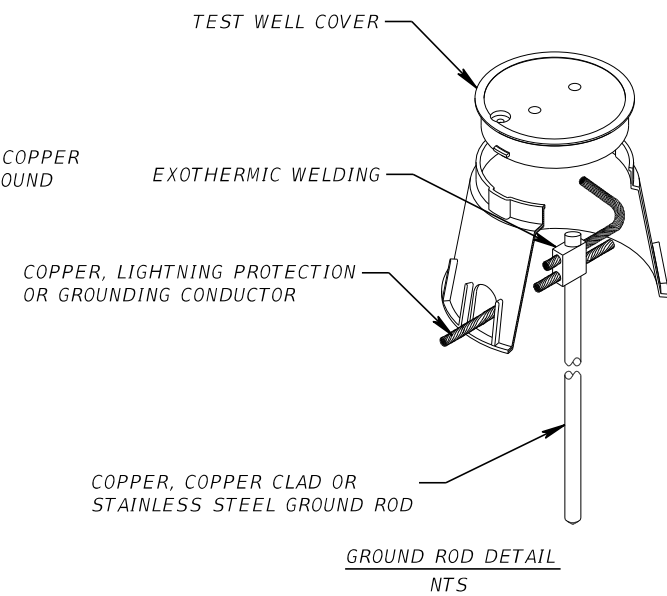
**MVDS INSTALLATION DETAIL**

SHEET NO.

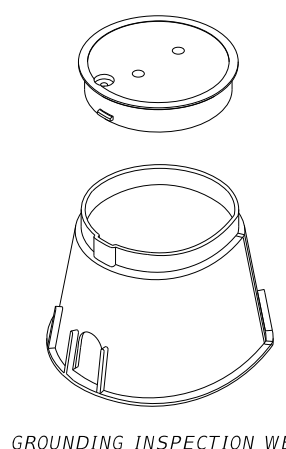
IT-30



INSET "A"



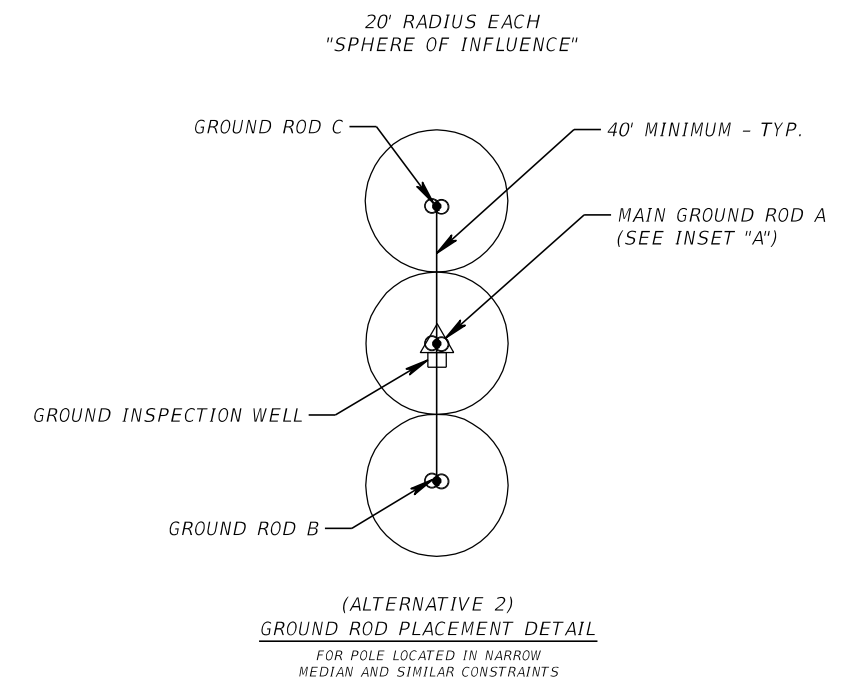
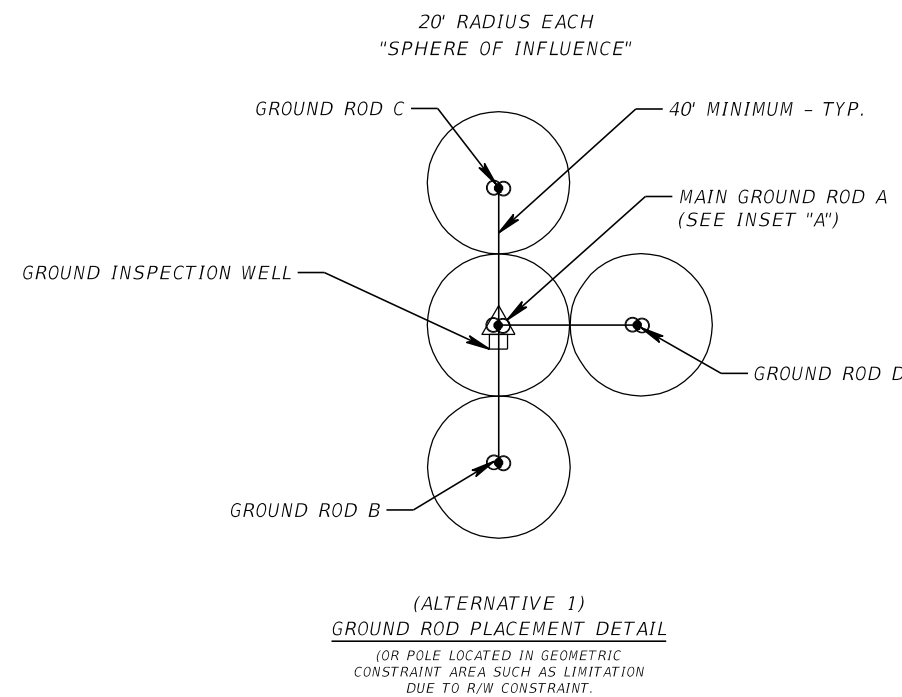
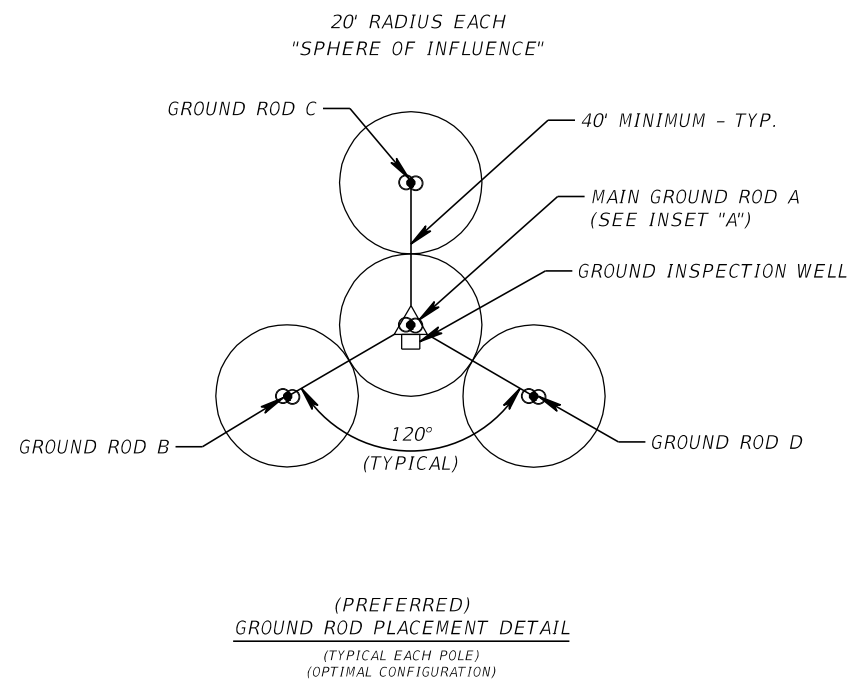
GROUND ROD DETAIL  
NTS



GROUNDING INSPECTION WELL

NOTES:

1. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 6" ABOVE WIRE.
2. GROUND ROD A IS REQUIRED AND SHALL BE INSTALLED IN A PULL BOX. GROUND RODS B, C AND D WILL BE REQUIRED AS NECESSARY TO MEET THE GROUND RESISTANCE REQUIREMENTS IN THE CONTRACT DOCUMENTS AS IDENTIFIED BY THE EOR.
3. PLACE GROUND SYSTEM WITHIN RIGHT WAY.
4. USE OPTIMAL CONFIGURATION IF SPACE IS AVAILABLE OTHERWISE USE GEOMETRIC CONFIGURATION. IN MEDIAN USE OPTIMAL IF POSSIBLE OTHERWISE USE GEOMETRIC OR MEDIAN CONCEPT IN THAT ORDER AS IDENTIFIED BY THE EOR.
5. MAIN GROUND ROD TO BE PLACED WITHIN 3 FEET OF POLE.
6. IF ANY PART OF A GROUNDING ARRAY IS WITHIN 100' OF ANY PART OF ANOTHER GROUND SYSTEM, THE MAIN GROUND ROD OF EACH SYSTEM SHALL BE BONDED WITH AN AWG #6 CONDUCTOR EXOTHERMIC WELDED TO THE MAIN GROUND ROD OF EACH SYSTEM.
7. AFTER COMPLETION OF THE GROUNDING ARRAY, AND ITS CONNECTION TO OTHER GROUND SYSTEMS IF APPLICABLE, IT SHALL BE TESTED BY A FULL FALL OF POTENTIAL TEST AS DEFINED IN IEEE STANDARD 81 (CURRENT EDITION).



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 88738

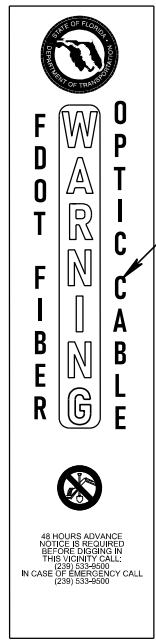
201 N. Franklin Street, Suite 400  
Tampa, Florida 33602  
Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**MVDS LIGHTNING  
PROTECTION DETAIL**

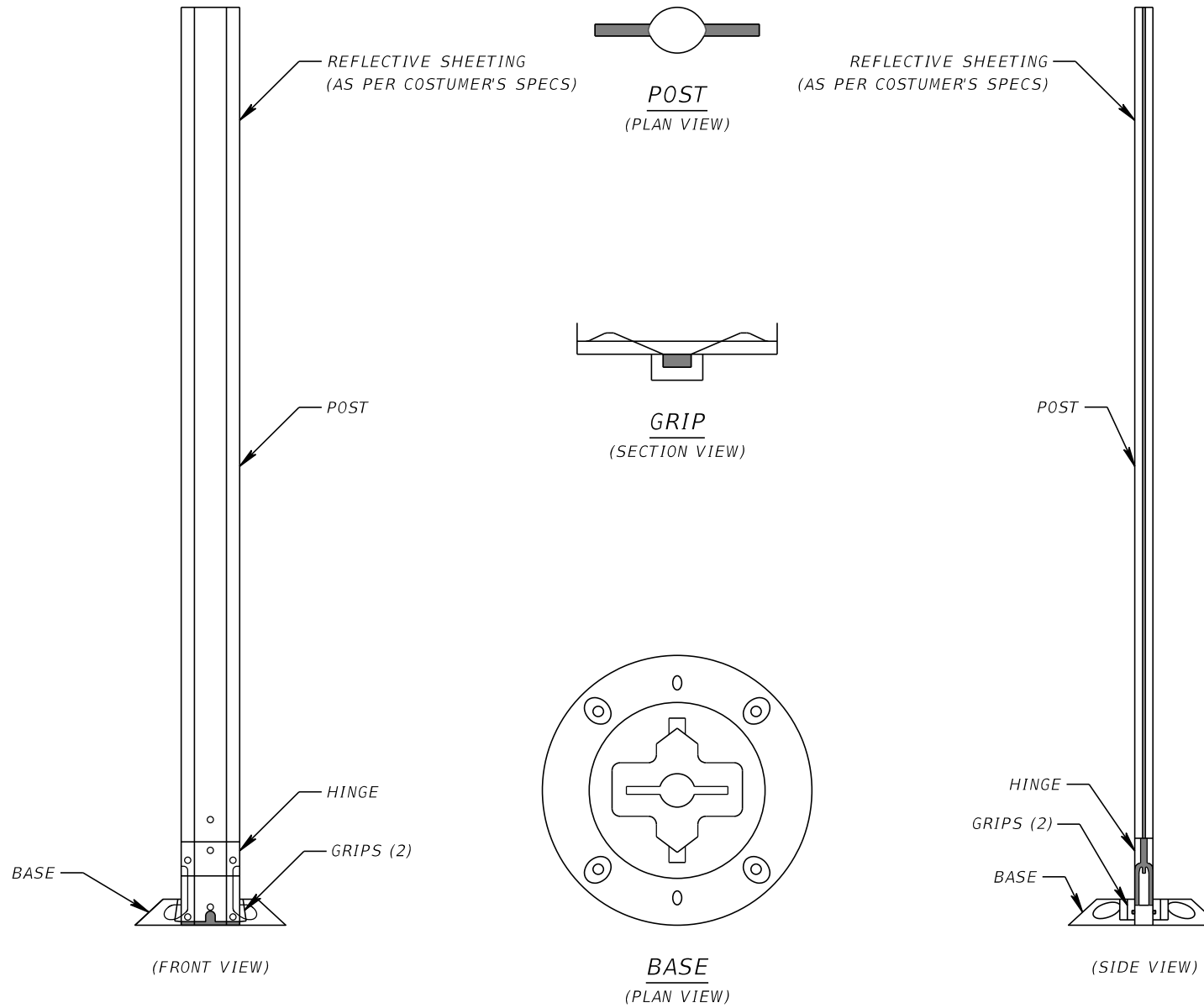
SHEET NO.
IT-31

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REFLECTIVE STICKER

FLEXSTAKE SM700 SERIES	
SURFACE MOUNT DELINEATOR	
CATALOG NUMBER	PRODUCT LENGTH
701	19"
702	24"
702.5	30"
703	36"
704	48"
705	60"



FIBER OPTIC CABLE ROUTE MARKER  
FLEXSTAKE, INC. SM700 SERIES  
N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
 KISINGER CAMPO & ASSOCIATES P.E. No.: 88738  
 201 N. Franklin Street, Suite 400  
 Tampa, Florida 33602  
 Engineer of Record: Scott R. Samuels, P.E.

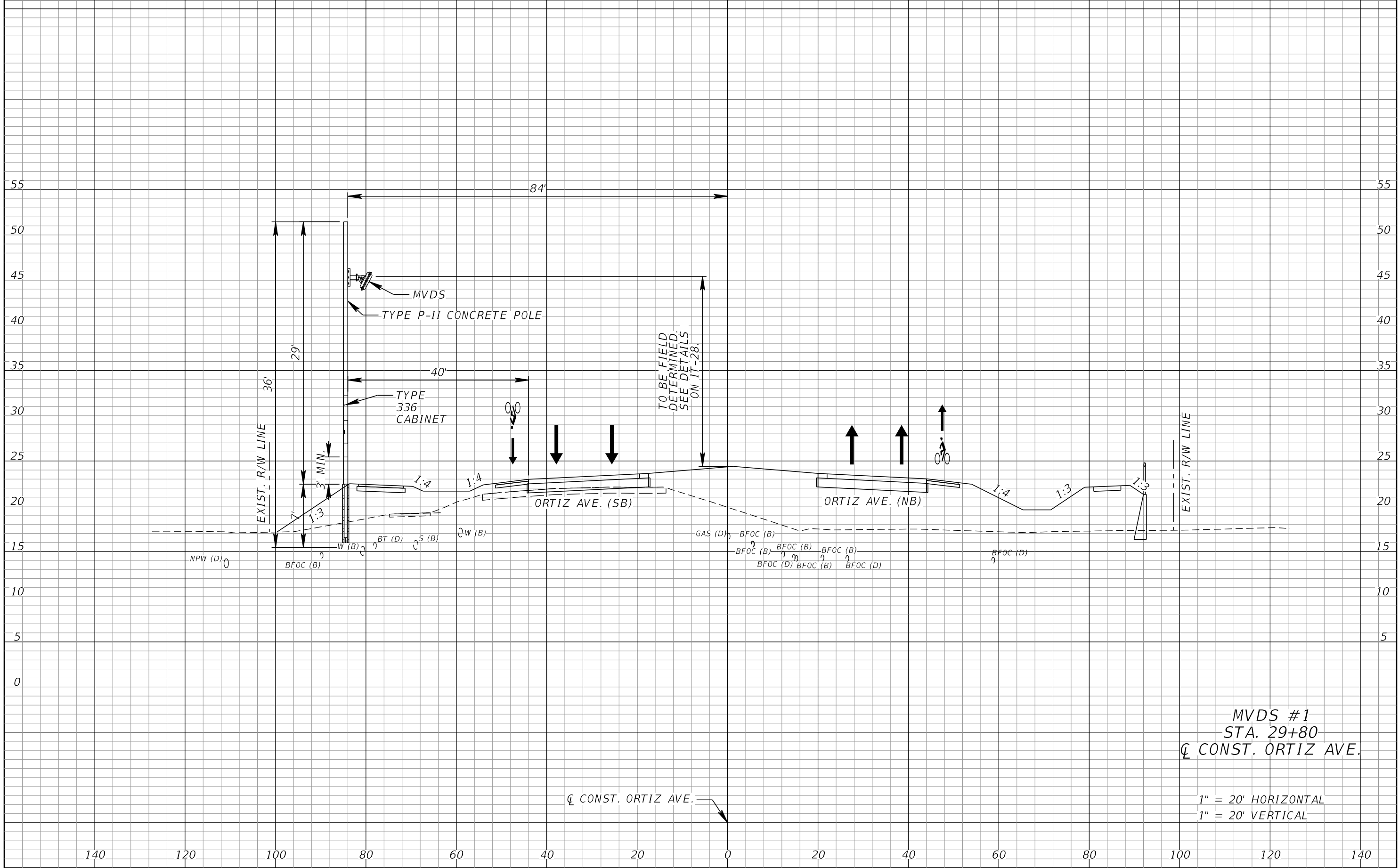
LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ROUTE MARKER  
DETAIL**

SHEET NO.

IT-32





TO BE FIELD DETERMINED. SEE DETAILS ON IT-28.

MVDS #1  
 STA. 29+80  
 @ CONST. ORTIZ AVE.

1" = 20' HORIZONTAL  
 1" = 20' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

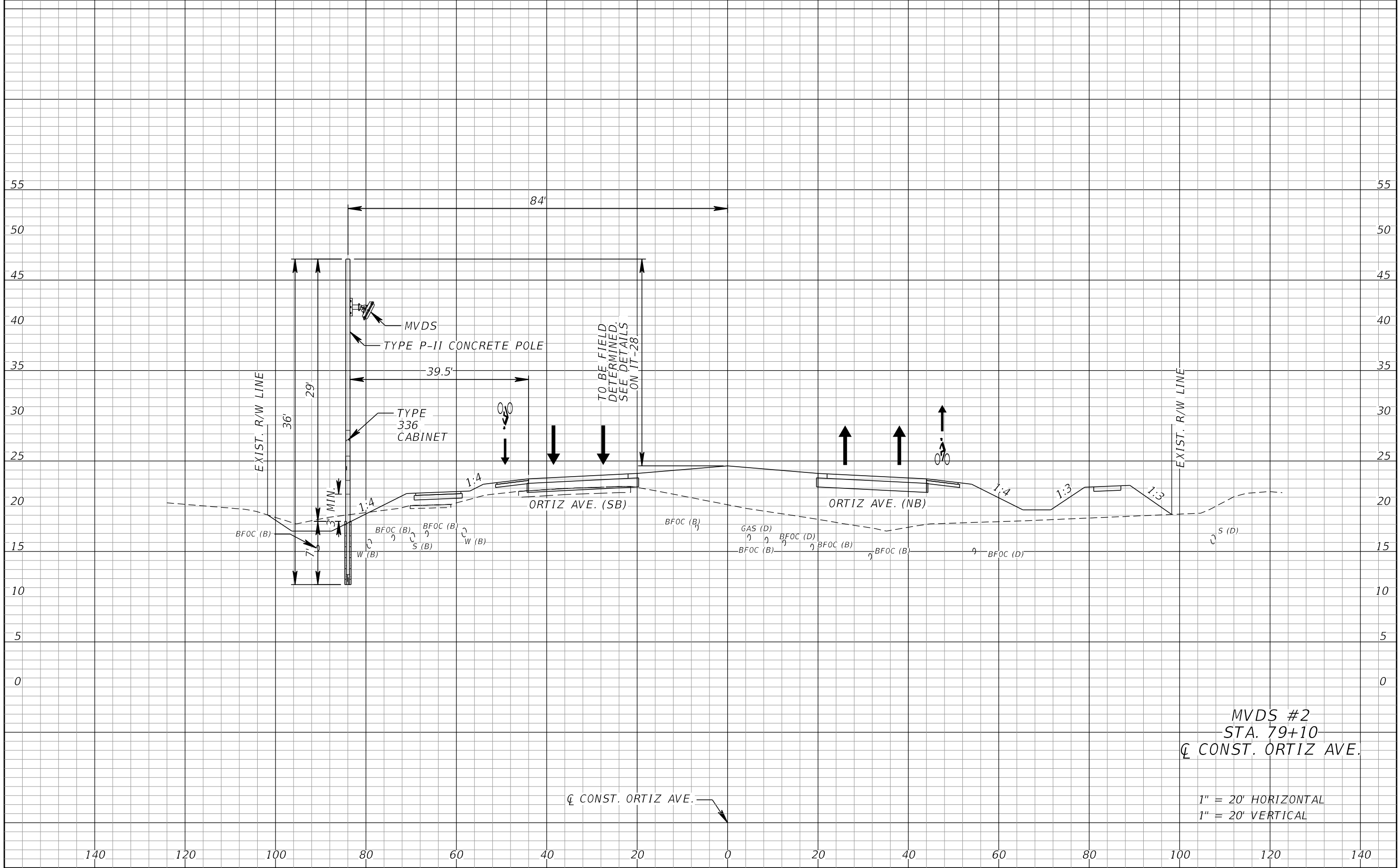
**KCA**  
 KISINGER CAMPO & ASSOCIATES P.E. No.: 88738  
 201 N. Franklin Street, Suite 400  
 Tampa, Florida 33602  
 Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS CROSS SECTION (1)**

SHEET NO.
IT-33

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



MVDS #2  
 STA. 79+10  
 ⊕ CONST. ORTIZ AVE.

1" = 20' HORIZONTAL  
 1" = 20' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
 KISINGER CAMPO & ASSOCIATES P.E. No.: 88738  
 201 N. Franklin Street, Suite 400  
 Tampa, Florida 33602  
 Engineer of Record: Scott R. Samuels, P.E.

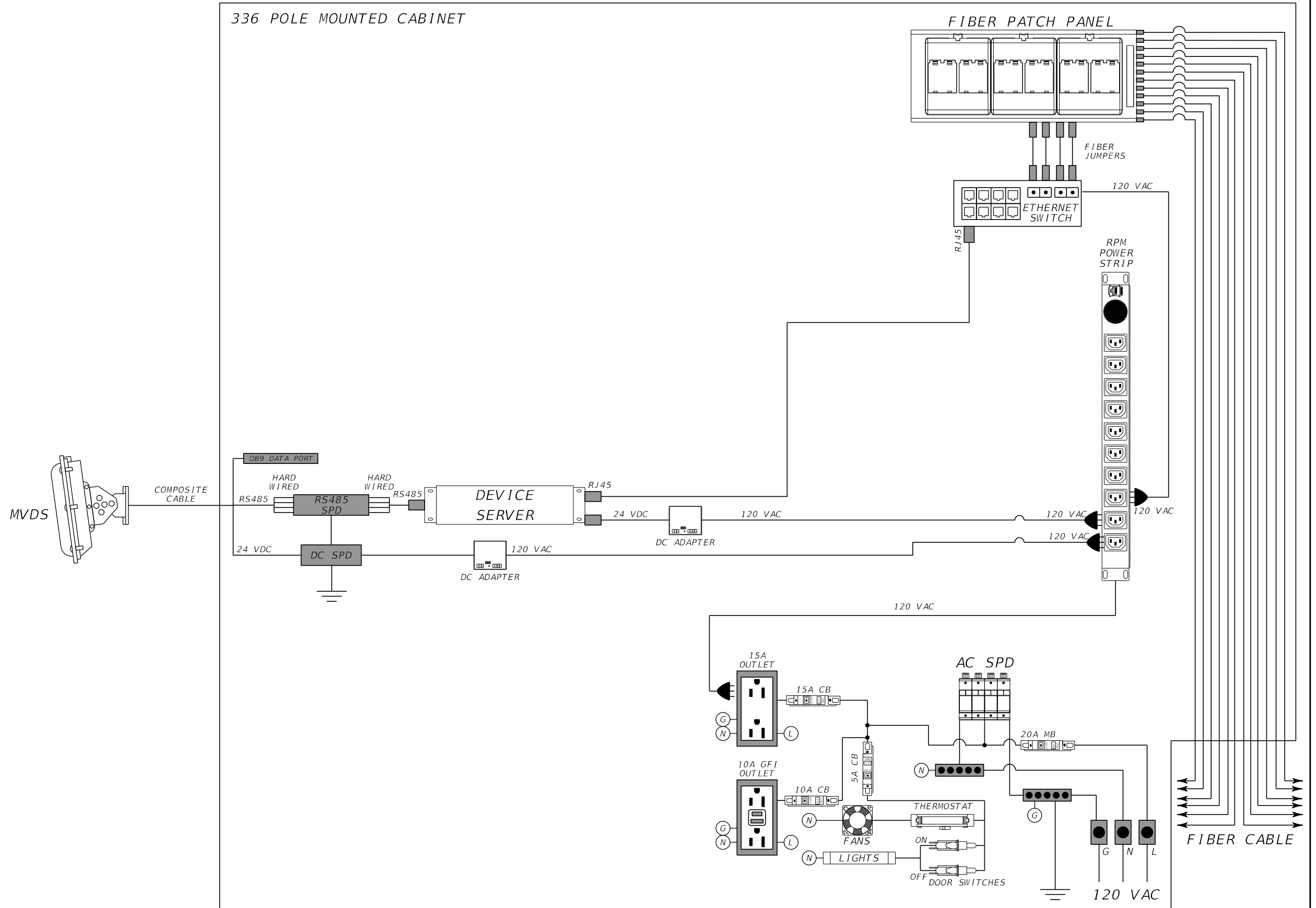
LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**ITS CROSS SECTION (2)**

SHEET NO.
IT-34

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

# MVDS CONNECTION DIAGRAM



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

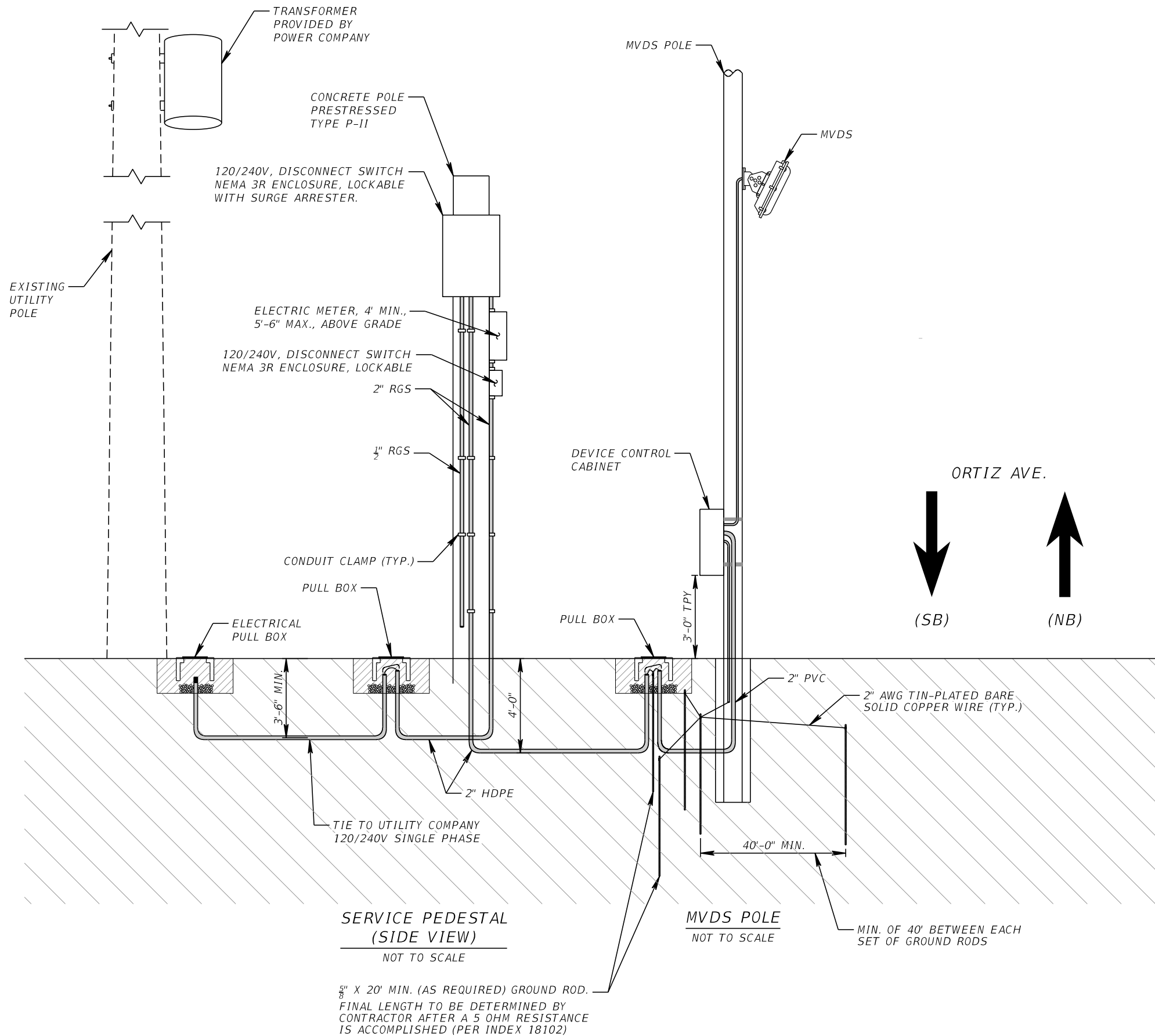
**KCA**  
 KISINGER CAMPO & ASSOCIATES P.E. No.: 88738  
 201 N. Franklin Street, Suite 400  
 Tampa, Florida 33602  
 Engineer of Record: Scott R. Samuels, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

**WIRING DIAGRAM**

SHEET NO.  
 IT-35

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



LOAD CENTER PANELBOARD SCHEDULE				
<b>LOAD CENTER A1</b>				
240V, 1PH, 3W STA. 27+99.88, 90.46' LT (100 AMP MAIN BREAKER)				
CKT. NO.	KVA	AMPS/PHASE	BKR	LOAD
A1-1	0.04	0.16	15A	ITS
CONNECTED LOAD:			0.04 KVA	
			0.16 AMPS	
<b>LOAD CENTER B1</b>				
240V, 1PH, 3W STA. 79+38.52, 91.67' LT (100 AMP MAIN BREAKER)				
CKT. NO.	KVA	AMPS/PHASE	BKR	LOAD
B1-1	0.04	0.16	15A	ITS
CONNECTED LOAD:			0.04 KVA	
			0.16 AMPS	

MAINTAINED BY LEE COUNTY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**KCA**  
KISINGER CAMPO & ASSOCIATES P.E. No.: 63914

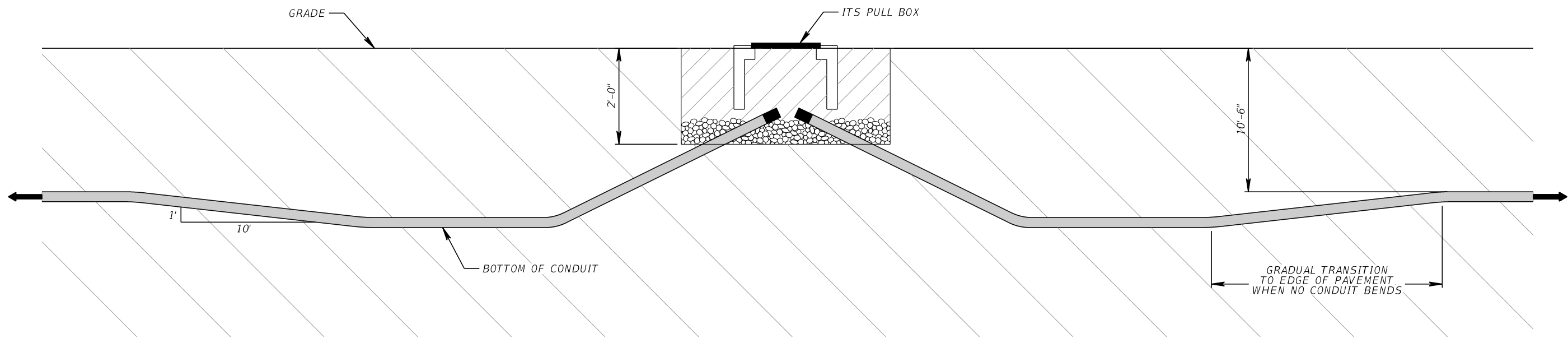
201 N. Franklin Street, Suite 400  
Tampa, Florida 33602  
Engineer of Record: M. Fathy Abdalla, P.E.

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479


**ELECTRICAL SERVICE DIAGRAM**

SHEET NO.
IT-36

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



ELEVATION OF DIRECTIONAL BORE AND FIBER OPTIC PULL BOX  
N.T.S.

REVISIONS				 <b>KCA</b> KISINGER CAMPO & ASSOCIATES P.E. No.: 88738 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Scott R. Samuels, P.E.	LEE COUNTY DEPARTMENT OF TRANSPORTATION			<b>DIRECTIONAL BORE          DETAIL</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.		IT-37
					CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479		

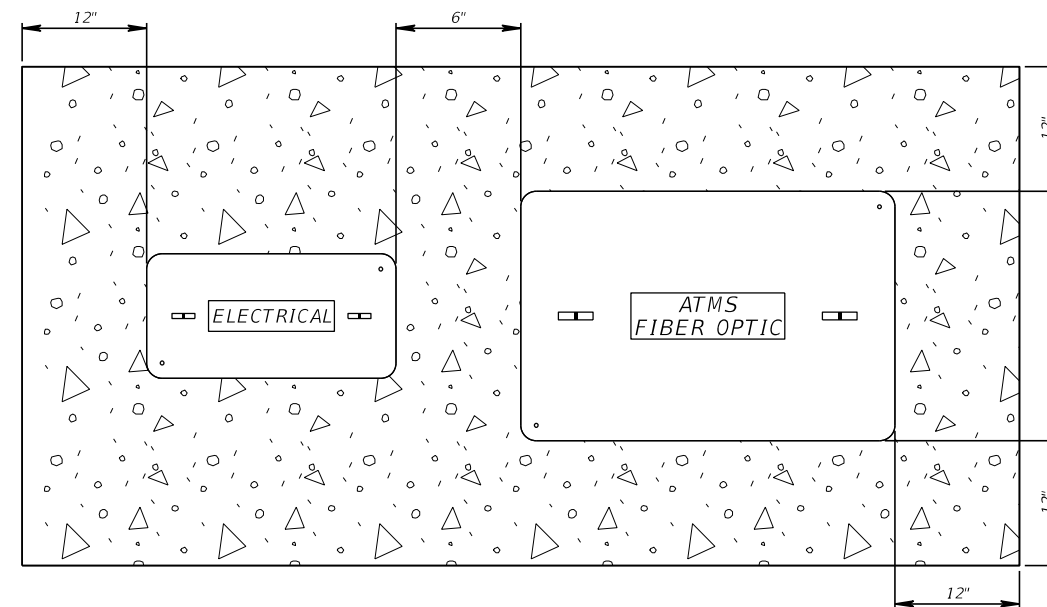
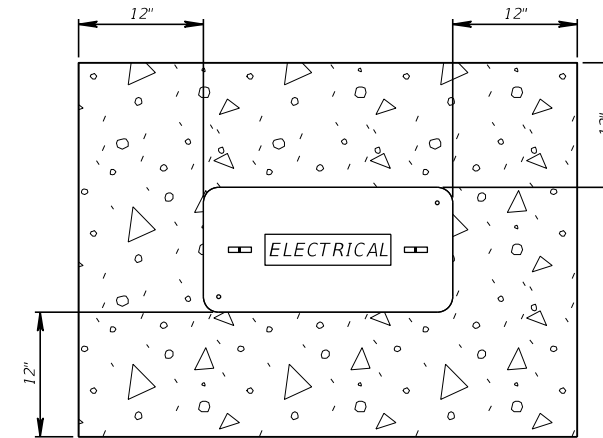
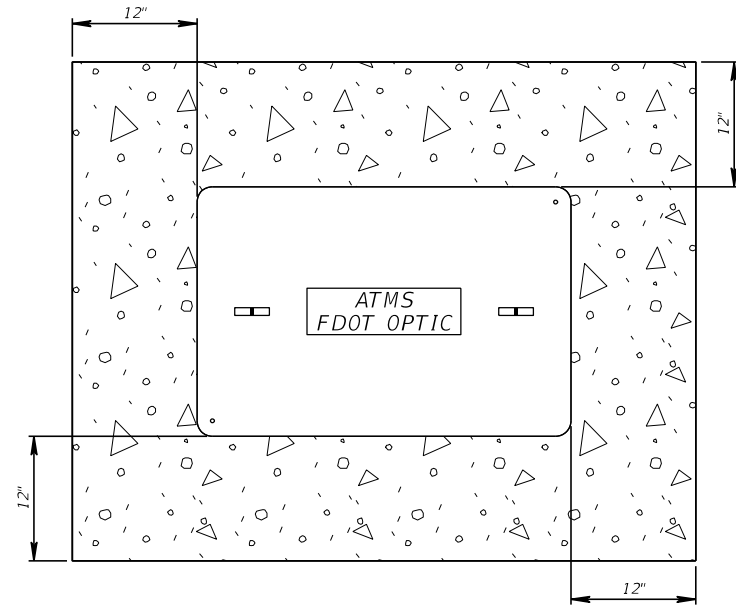
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7/26/2023

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LINEAR PULL BOX ARRANGEMENT  
N.T.S.

CONCRETE APRON DETAILS FOR ITS PULL / SPLICE BOXES

1. CONCRETE AND INSTALLATION REQUIREMENTS TO BE PER STANDARD PLANS INDEX 635-001 AND AS SHOWN ON THIS PLAN FOR SPACING.
2. WHEN MULTIPLE CONFIGURATIONS OF PULL BOXES ARE ADJACENT TO ONE ANOTHER, THEY SHALL BE FORMED TOGETHER WITH AN EXPANSION JOINT BETWEEN THE APRONS UTILIZED TO AVOID CRACKING.
3. THE ORIENTATION OF CONCRETE APRONS WITH MULTIPLE PULL AND JUNCTION BOXES MAY BE ADJUSTED IN THE FIELD.
4. SEE GENERAL NOTES FOR PULL BOX COVER LEGENDS.

REVISIONS				 <b>KCA</b> KISINGER CAMPO & ASSOCIATES P.E. No.: 88738 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Engineer of Record: Scott R. Samuels, P.E.	LEE COUNTY DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>PULL BOX LAYOUT DETAILS</b> IT-38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.	
					CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479	

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