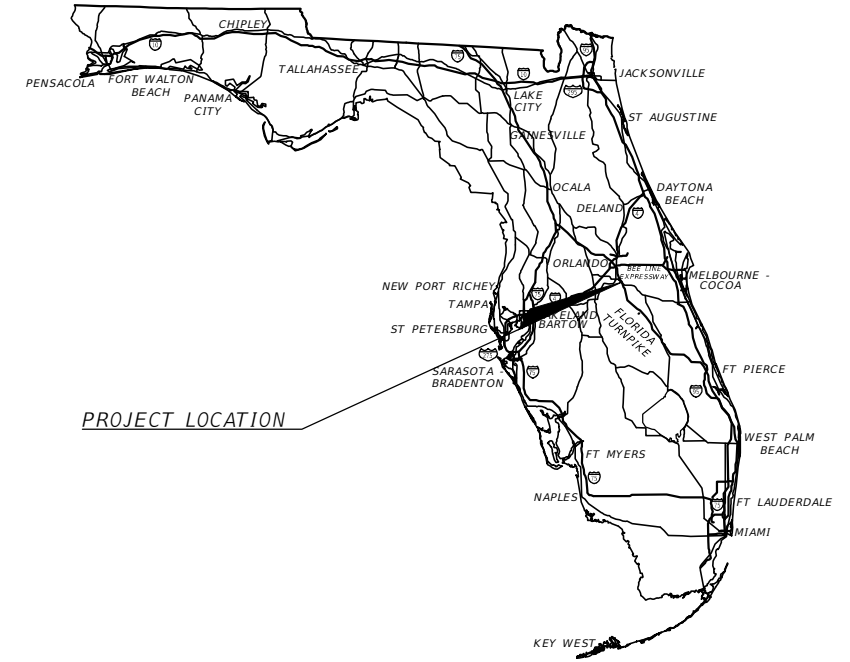


OSCEOLA COUNTY, FLORIDA
PUBLIC WORKS DEPARTMENT

INTELLIGENT
TRANSPORTATION
SYSTEM PLANS

SIMPSON RD
NORTH SEGMENT
IMPROVEMENT PLANS



INDEX OF ITS PLANS

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IT-7	GENERAL NOTES
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IT-44	ELECTRICAL PULL BOX DETAIL
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IT-46	CAMERA MOUNTING BRACKET DETAIL

SHOP DRAWINGS TO BE SUBMITTED TO:

JARED KNIGHT, P.E.
VANASSE HANGEN BRUSTLIN, INC.
225 E. ROBINSON STREET, SUITE 300
ORLANDO, FL 32801

PLANS PREPARED BY:

vhb Engineers | Scientists
Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932

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

ITS PLANS
PROFESSIONAL OF RECORD: JARED KNIGHT, P.E.

P.E. NO.: 74758

OSCEOLA COUNTY TRANSPORTATION AND TRANSIT

VIVIANA JANER CHAIRMAN OF THE BOARD OF COUNTY COMMISSIONERS
 CHERYL GRIEB VICE CHAIRWOMAN OF THE BOARD OF COUNTY COMMISSIONERS
 PEGGY CHOUNDHRY COUNTY COMMISSIONER
 RICKY BOOTH COUNTY COMMISSIONER
 BRANDON ARRINGTON COUNTY COMMISSIONER
 DON FISHER COUNTY MANAGER
 TAWNY H OLORE, P.E. DIRECTOR OF TRANSPORTATION AND TRANSIT

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2022-23 Standard plans for
Road and Bridge Construction and applicable Interim Revisions (Irs).

Standard Plans for Road Construction and associated Irs are available
at the following website:
<http://www.fdot.gov/design/Standardplans.shtm>

APPLICABLE IRS: IR536-001-01, IR521-001-01

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

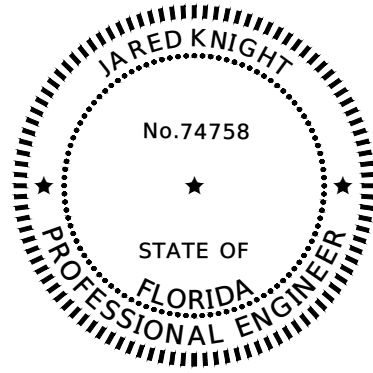
GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July 2022 Standard
Specifications for Road and Bridge Construction at the following
website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

FINAL PLANSET
DATE: MARCH 6, 2023

OSCEOLA COUNTY PROJECT MANAGER: STEVEN KANE, 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.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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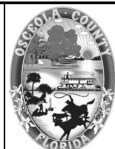
VANASSE HANGEN BRUSTLIN, INC.
 TRANSPORTATION, LAND DEVELOPMENT,
 ENVIRONMENTAL SERVICES
 225 E. ROBINSON ST., SUITE 300
 LANDMARK CENTER TWO
 ORLANDO, FL 32801
 CERTIFICATE OF AUTHORIZATION #3932
 JARED KNIGHT, P.E. NO. 74758

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

INTELLIGENT TRANSPORTATION SYSTEM PLANS

SHEET NO.	SHEET DESCRIPTION
IT-1	KEY SHEET
IT-2	SIGNATURE SHEET
IT-3 - IT-6	TABULATION OF QUANTITIES
IT-7	GENERAL NOTES
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IT-15 - IT-34	ITS PLAN SHEET
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IT-44	ELECTRICAL PULL BOX DETAIL
IT-45	FIBER PULL BOX DETAIL
IT-46	CAMERA MOUNTING BRACKET DETAIL

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

REVISIONS				 <small>Engineers Scientists Planners Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407)839-4006 Certificate of Authorization # 3932</small>	 OSCEOLA COUNTY FLORIDA	SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				IT-2

TABULATION OF QUANTITIES

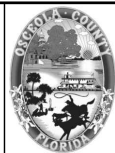
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			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	290		560		290				480		360		624		2,604			
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	249		165		160		220		225		125		270		1,414			
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF	739		825		650		810		1030		635		978		5,667			
633-1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF																		
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	72				72		72				72		78		366			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1				1		1				1		1		5			
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA													1		1			
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF													175		175			
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	1		2		2		1		3		1		2		12			
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	2				1		1		1		1		1		7			
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA													1		1			
682-1-400	ITS CCTV CAMERA, RELOCATE	EA																		
684-1-1	MANAGED FIELD ETHERNET SWITCH, LAYER 2, F&I	EA													1		1			

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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Certificate of Authorization # 3932
Jared Knight, P.E.
PE # 74758



OSCEOLA COUNTY
FLORIDA

TABULATION OF QUANTITIES

SHEET NO.
IT-3

TABULATION OF QUANTITIES

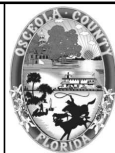
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630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	741		720		505		725		595		495		435		4,216			
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF					265						130		260		955			
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF	791		770		1030		775		875		1085		985		6,311			
633-1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF																		
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA					12						12				24			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA					1						1				2			
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA					1						1				2			
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF					50						40				90			
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	1		1		2		1		3		3		5		16			
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA					1						1				2			
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA					1						1				2			
682-1-400	ITS CCTV CAMERA, RELOCATE	EA																		
684-1-1	MANAGED FIELD ETHERNET SWITCH, LAYER 2, F&I	EA					1						1				2			

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REVISIONS			
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OSCEOLA COUNTY
FLORIDA

TABULATION OF QUANTITIES

SHEET NO.
IT-4

TABULATION OF QUANTITIES

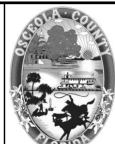
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			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	300		228				275		725		735		465		2,728			
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	439		346				105						275		1,165			
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF	1079		1154		825		1030		775		785		940		6,588			
633-1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF			290		845		450		140		715		195		2,635			
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	12		12												24			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1		1												2			
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	1		1												2			
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	40		15												55			
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	3		3				1		1		1		4		13			
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	1														1			
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1														1			
682-1-400	ITS CCTV CAMERA, RELOCATE	EA			1												1			
684-1-1	MANAGED FIELD ETHERNET SWITCH, LAYER 2, F&I	EA	1		1												2			

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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OSCEOLA COUNTY
FLORIDA

TABULATION OF QUANTITIES

SHEET NO.
IT-5

TABULATION OF QUANTITIES

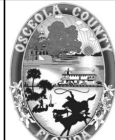
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			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	PLAN	PLAN	FINAL				
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	420		240		725		445		160						1,990		11,538	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF			100				285		95						480		4,014	
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF	975		975		775		880		405						4,010		22,576	
633-1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	700		485												1,185		3,820	
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	12								72						84		498	
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1								1						2		11	
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	1														1		6	
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	15														15		335	
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA			1		1		3		1						6		47	
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA																	10	
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA																	4	
682-1-400	ITS CCTV CAMERA, RELOCATE	EA	1														1		2	
684-1-1	MANAGED FIELD ETHERNET SWITCH, LAYER 2, F&I	EA	1														1		6	

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REVISIONS			
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Jared Knight, P.E.
PE # 74758



OSCEOLA COUNTY
FLORIDA

TABULATION OF QUANTITIES

SHEET NO.
IT-6

GENERAL:

1. THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT IN THE EVENT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OF THE PROGRESSION OF ANY WORK SPECIFIED IN THESE PLANS. NOTIFY THE ENGINEER IMMEDIATELY AND PRIOR TO ANY FURTHER WORK ACTIVITY.
2. END OF REEL SPLICES SHALL OCCUR AT A SPLICE VAULT THAT IS ADJACENT TO A LHUB. SPACING BETWEEN END OF REEL SPLICES SHALL BE NO LESS THAN 25,000 LF APART.
3. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT LEGIBLE, WEATHER PROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE. THE TAGGING SYSTEM PROPOSED SHALL BE SUBMITTED FOR APPROVAL WITH THE OTHER EQUIPMENT SUBMITTAL'S REQUIRED FOR THIS PROJECT. THE COST SHALL BE INCIDENTAL TO THE INSTALLATION OF THE FIBER OPTIC CABLE AND ITS DEVICES.
4. PRIOR TO ANY EQUIPMENT ORDER, SUBMIT FOR REVIEW AND APPROVAL THE EQUIPMENT SPECIFICATIONS OF DESIGN AND SHOP DRAWINGS, INCLUDING PLAN ATTACHMENTS FOR ALL MATERIAL PROPOSED FOR THIS PROJECT.
5. CONTRACTOR MUST WEED EAT, MOW AND REMOVE LITTER AROUND EQUIPMENT STAGING AREAS UNTIL WORK HAS BEEN COMPLETED (I.E. POLES, CONDUIT RUNS, ETC.). THE CONTRACTOR SHALL MARK THIS AREA AND WILL BE EXPECTED TO MAINTAIN THE AREA IN ADDITION TO ANY OTHER AREAS THAT THE CONTRACTOR FEELS COULD BE IMPACTED BY MOWERS. THE CONTRACTOR SHALL PROPERLY MARK THESE AREAS (CONES OR STAKES WITH MARKING TAPE AROUND THE PERIMETER). THE PERIMETER SHALL CONSIST OF A 5' RADIUS AROUND ITS AND SERVICE POLES IN ADDITION. A 5' STRIP SHALL BE MAINTAINED ON EACH SIDE OF CONDUIT AND TRENCHING RUNS.
6. SOD MUST BE USED TO RESTORE ANY AREAS IMPACTED BY CONSTRUCTION. THE COST OF REQUIRED SOD SHALL BE INCIDENTAL TO THE PAY ITEMS.
7. CONTRACTOR SHALL NOTIFY OSCEOLA COUNTY TMC (407-742-9201) OF NETWORK DOWNTIME AND ALL SPLICING ACTIVITIES OCCURRING WITHIN THE PROJECT LIMITS, AND DURATION OF THOSE SPLICING ACTIVITIES WITHIN 24 HOURS OF SPLICING ANY FOC.
8. REMOVAL OF EXISTING FIBER SHALL BE INCLUDED IN THE COST OF CLEARING AND GRUBBING IN LOCATIONS WHERE THE EXISTING FIBER IS WITHIN THE LIMITS OF CLEARING AND GRUBBING. IN LOCATIONS WHERE THE EXISTING FIBER IS OUTSIDE THE LIMITS OF CLEARING AND GRUBBING, THE PAY ITEM FOR FIBER REMOVAL SHALL BE USED.
9. MAINTENANCE OF COMMUNICATION (MOC) INFRASTRUCTURE TO BE COMPLETED PRIOR TO ROADWAY CONSTRUCTION PHASE 1. ANY CHANGES TO ROADWAY TRAFFIC CONTROL PHASING MAY AFFECT OSCEOLA NETWORK. REFER TO ROADWAY COMPONENT PLANS.
10. INSTALL ITS CONDUIT AND PULL BOXES DURING ROADWAY CONSTRUCTION PHASE 1. REFER TO ROADWAY COMPONENT PLANS.

CONDUIT:

1. CONDUIT LOCATIONS AS 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 DEVIATION FROM THE PLANS SHALL BE RECORDED IN THE AS-BUILT PLANS.
2. CONDUIT RUN SHALL NOT EXCEED 270 DEGREE OF BENDS BETWEEN PULL BOXES.
3. ALL HDPE CONDUIT CONNECTIONS SHALL BE JOINED WITH A MECHANICAL COUPLE OR APPROVED EQUAL.
4. MINIMUM REQUIRED CONDUIT BURY DEPTHS SHALL BE MAINTAINED, WHERE CONFLICTS OCCUR WITH DRAINAGE OR OTHER UTILITIES PER THESE PLANS.
5. ALL CONDUIT TRENCHES SHALL BE BACK FILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF THE WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE. DO NOT OPEN ANY AREA THAT CAN NOT BE BACK FILLED IN THE SAME DAY/NIGHT OPERATION.
6. THE PLANS SHOW THE GENERAL ROUTE AND LOCATION OF CONDUIT AND EQUIPMENT RELATIVE TO MAJOR PHYSICAL FEATURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL ABOVEGROUND AND UNDERGROUND CONFLICTS IN ADVANCE OF THE PLACEMENT OF ANY CONDUIT OR OTHER FACILITIES. THE CONTRACTOR SHALL FIELD MARK THE PROPOSED ALIGNMENT FOR REVIEW AND CONCURRENCE BY THE ENGINEER PRIOR TO TRENCHING AND/OR PLACEMENT.
7. TERMINATE ALL SPARE CONDUITS IN A PULL BOX OR CABINET AND CAP AND SEAL ENDS.
8. WHERE CONDUIT IS CALLED OUT TO BE INTERCEPTED, THE CONDUIT SHALL BE REDIRECTED AND TIED INTO THE PROPOSED CONDUIT. THE PROPOSED NEW CABLING (FOC OR COMPOSITE) IS NOT TO RUN THROUGH THE EXISTING PULL BOXES IN THESE CASES, COST ARE INCIDENTAL TO THE PAY ITEMS.

PULL BOXES:










1. THE STACKING OF PULL BOXES IS NOT ALLOWED.
2. THE RELOCATION OF PULL BOXES IS NOT ALLOWED.
3. PULL BOXES MAY BE ADJUSTED VERTICALLY DURING CONSTRUCTION TO ENSURE PULL BOXES ARE AT FINAL GRADE ELEVATION.

CABLING NOTES:

1. ZIP TIES ARE NOT ALLOWED ON ANY COMMUNICATION CABLING. IF CABLES NEED TO BE SECURED OUTSIDE THE CABLE MANAGEMENT EQUIPMENT THEN VELCRO IS ACCEPTABLE FOR THIS PURPOSE.
2. FIBER CABLING WILL NOT BE COILED INSIDE THE CABINET. FIBER CABLE SLACK SHALL BE COILED IN THE PULL BOX OR SPLICE VAULT NEXT TO THE CABINET.
3. POWER CABLES AND COMMUNICATION CABLE WILL NOT OCCUPY THE SAME CABLE MANAGEMENT RACEWAY.
4. STRANDED WIRES THAT HAVE THE INSULATION STRIPPED IN ORDER ACCESS THE CONDUCTIVE MATERIAL WILL BE TINNED OR HAVE A TERMINAL CRIMPED ON THE END.
5. MAINTAIN EXISTING FIBER INFRASTRUCTURE UNTIL NEW SYSTEM IS READY TO BE INTEGRATED. EXISTING 72 SM SHALL NOT BE REMOVED PRIOR TO INSTALLING NEW 72 SM FIBER.

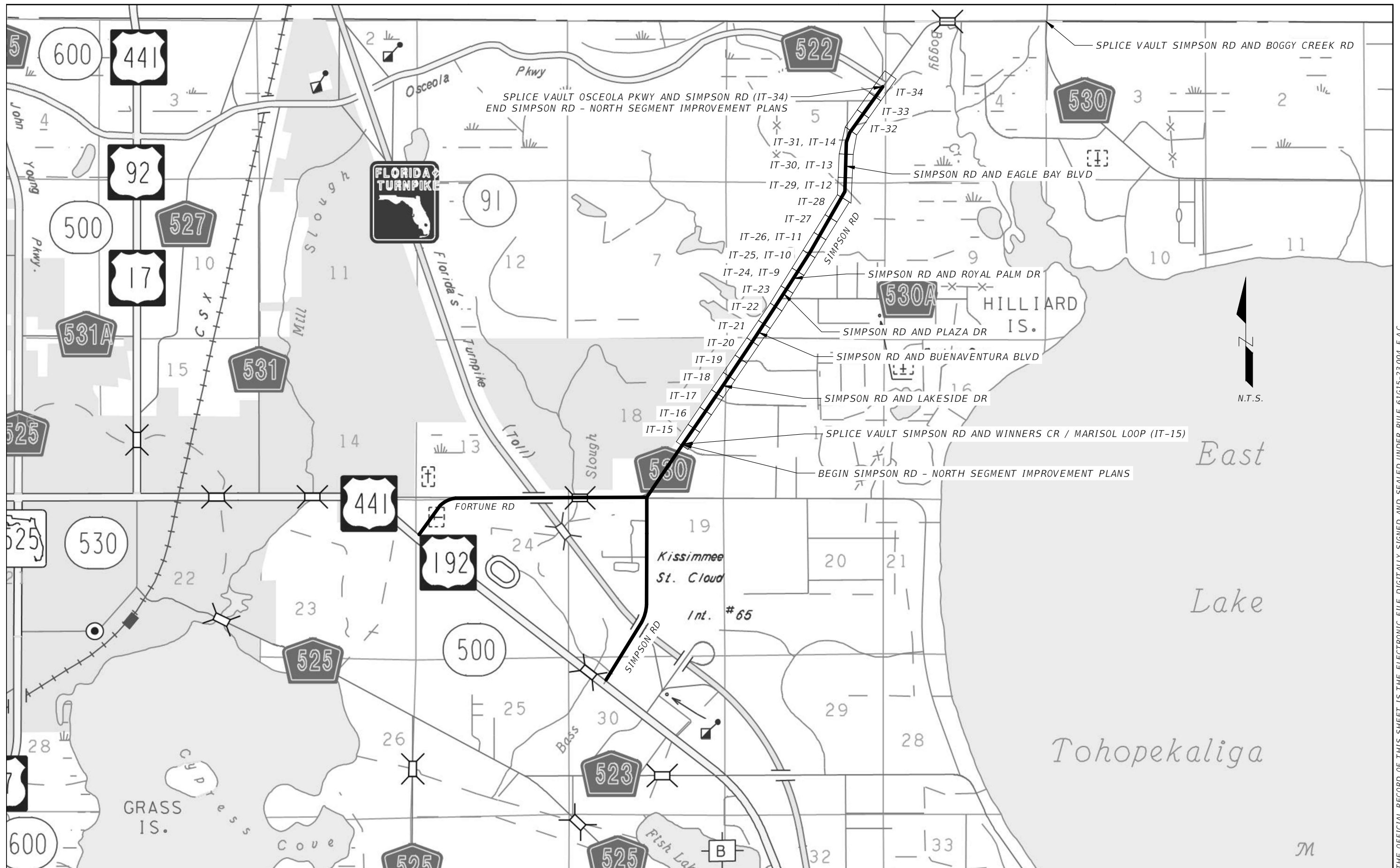
PAY ITEM DESCRIPTION:

1. 633-3-15: PAY ITEM INCLUDES COST OF PRETERMINATED 12 SM PIGTAILS AND FIBER JUMPERS. PIGTAILS SHALL HAVE 100' OF SLACK AT SPLICE PULL BOX AND 50' OF SLACK AT FIBER PULL BOX.
2. 633-8-1: CONTRACTOR SHALL FURNISH AND INSTALL 1 - CAT5 CABLE AND 1 - 14 AWG, 3 CONDUCTOR CABLE. QUANTITY OF PAY ITEM IS PER LENGTH OF WIRE RUN NOT PER EACH CABLE TYPE.
3. 682-1-113: CONTRACTOR SHALL FURNISH AND INSTALL A TKH SIQURA PD910 WITH A POWER SUPPLY OR APPROVED EQUAL AND ALL ANCILLARY EQUIPMENT FOR A COMPLETE INSTALLATION (POWER SUPPLY, SURGE, MOUNTING HARDWARE).
4. 684-1-1 CONTRACTOR SHALL FURNISH AND INSTALL AN ITS EXPRESS 8012-24-V3 OR APPROVED EQUAL. ALL NECESSARY PATCH CHORDS TO TERMINATE CABINET EQUIPMENT TO EDGE SWITCH, PROGRAMMING SWITCHES AND EQUIPMENT WITH IP ADDRESSES AND CONFIGURATION SETTING PROVIDED BY OSCEOLA COUNTY SHALL BE INCLUDED UNDER THIS PAY ITEM. REQUEST FOR NETWORK INFORMATION WILL BE REQUESTED 14 DAYS PRIOR TO INSTALLATION.

LEGEND	
SYMBOLS	DESCRIPTION
— · · · · · —	BRIDGE MOUNTED CONDUIT
— · · · · · —	INSTALL NEW UNDERGROUND HDPE CONDUIT
— · · · · · —	INSTALL NEW DIRECTIONAL BORE HDPE CONDUIT
	PROPOSED CCTV
	PROPOSED BLUE TOOTH DEVICE
	EXISTING TRAFFIC CONTROLLER CABINET
	PROPOSED POLE MOUNT CABINET
	PROPOSED METER
	PROPOSED ELECTRICAL PULL BOX
	PROPOSED FIBER PULL BOX
	PROPOSED RECTANGULAR FIBER SPLICE BOX
	PROPOSED CCTV POLE

REVISIONS				 Engineers Scientists Planners Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407)839-4006 Certificate of Authorization # 3932 Jared Knight, P.E. PE # 74758	 OSCEOLA COUNTY FLORIDA	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				IT-7

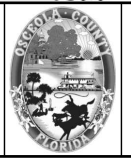
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PE # 74758



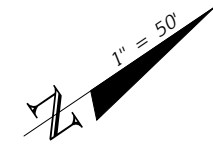
OSCEOLA COUNTY
FLORIDA

PROJECT LAYOUT

SHEET NO.
IT-8

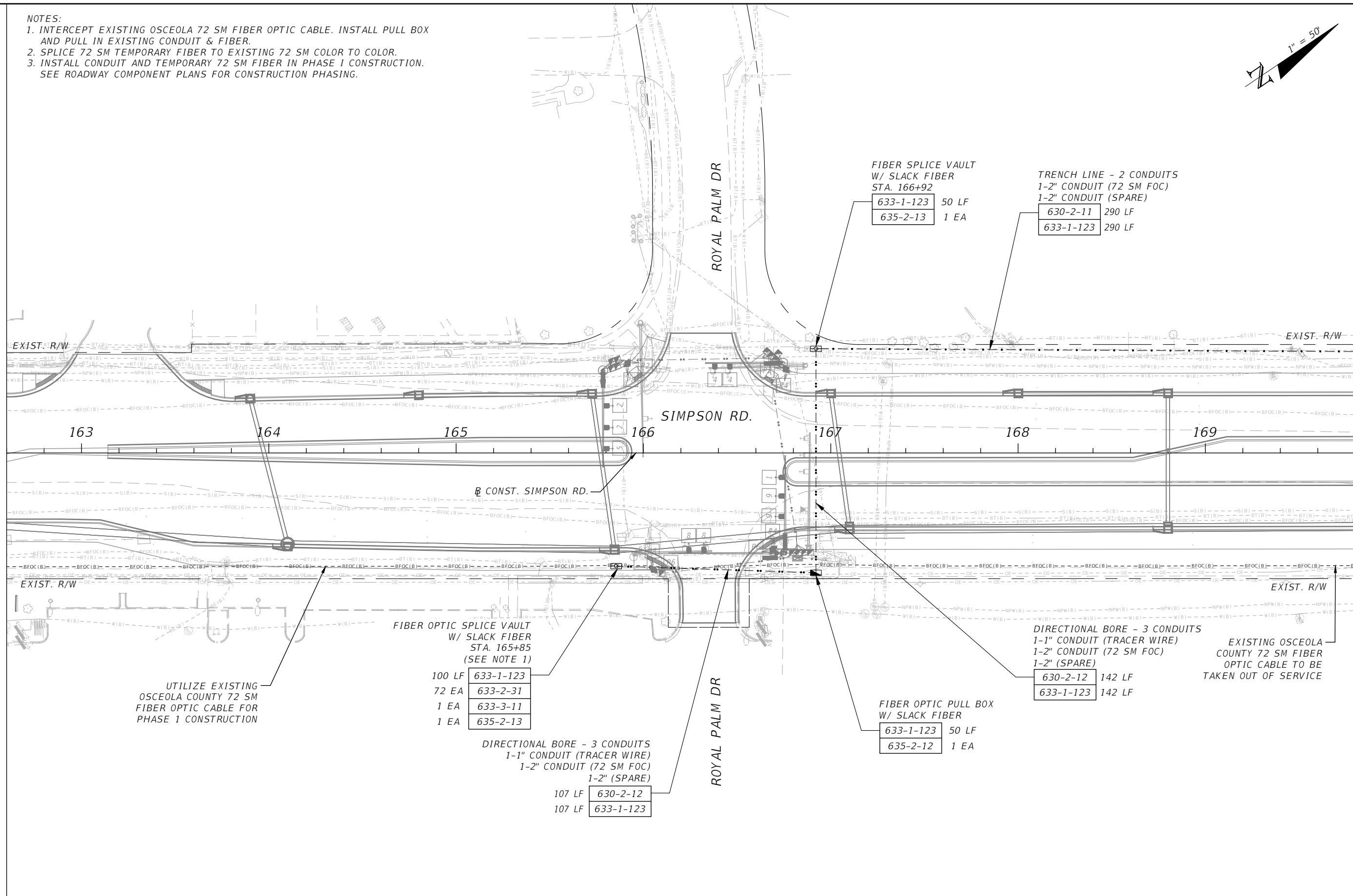
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- NOTES:
 1. INTERCEPT EXISTING OSCEOLA 72 SM FIBER OPTIC CABLE. INSTALL PULL BOX AND PULL IN EXISTING CONDUIT & FIBER.
 2. SPLICE 72 SM TEMPORARY FIBER TO EXISTING 72 SM COLOR TO COLOR.
 3. INSTALL CONDUIT AND TEMPORARY 72 SM FIBER IN PHASE 1 CONSTRUCTION. SEE ROADWAY COMPONENT PLANS FOR CONSTRUCTION PHASING.



MATCHLINE STA. - 162+60.00

MATCHLINE STA. - 169+80.00



UTILIZE EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE FOR PHASE 1 CONSTRUCTION

FIBER OPTIC SPLICE VAULT
 W/ SLACK FIBER
 STA. 165+85
 (SEE NOTE 1)
 100 LF 633-1-123
 72 EA 633-2-31
 1 EA 633-3-11
 1 EA 635-2-13

DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" (SPARE)
 107 LF 630-2-12
 107 LF 633-1-123

FIBER SPLICE VAULT
 W/ SLACK FIBER
 STA. 166+92
 633-1-123 50 LF
 635-2-13 1 EA

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 630-2-11 290 LF
 633-1-123 290 LF

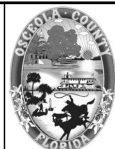
DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" (SPARE)
 630-2-12 142 LF
 633-1-123 142 LF

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 633-1-123 50 LF
 635-2-12 1 EA

EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

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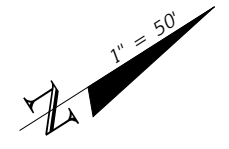


OSCEOLA COUNTY
 FLORIDA

ITS PLAN SHEET (MOC)

SHEET NO.
 IT-9

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HAWTHORNER LN

FIBER OPTIC PULL BOX
W/ SLACK FIBER
633-1-123 50 LF
635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
630-2-11 135 LF
633-1-123 135 LF

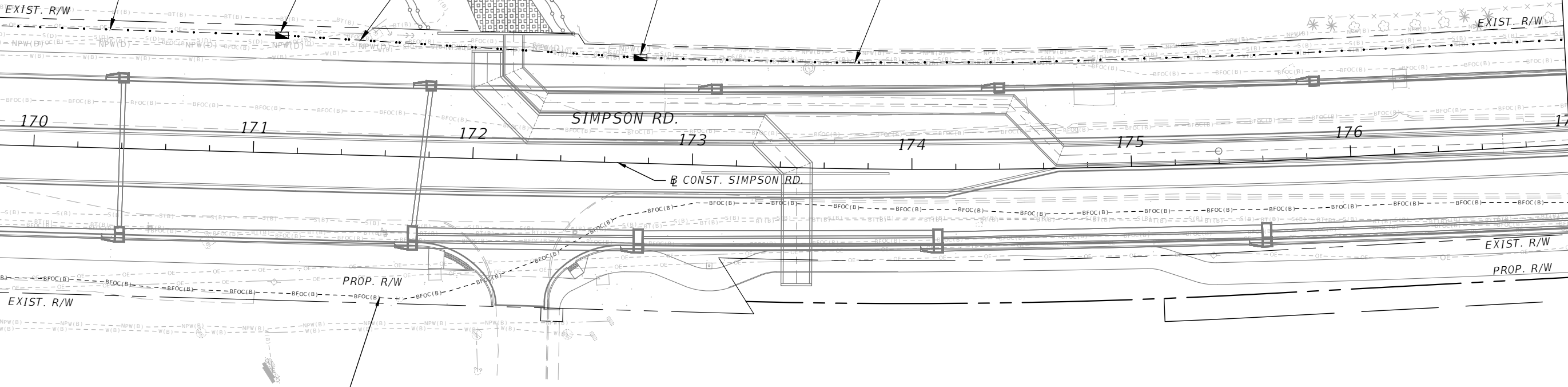
DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
630-2-12 165 LF
633-1-123 165 LF

FIBER OPTIC PULL BOX
W/ SLACK FIBER
633-1-123 50 LF
635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
630-2-11 425 LF
633-1-123 425 LF

MATCHLINE STA. - 169+80.00

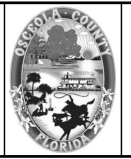
MATCHLINE STA. - 177+00.00



EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

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PE # 74758



OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET (MOC)

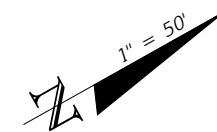
SHEET NO.
IT-10

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NOTES:

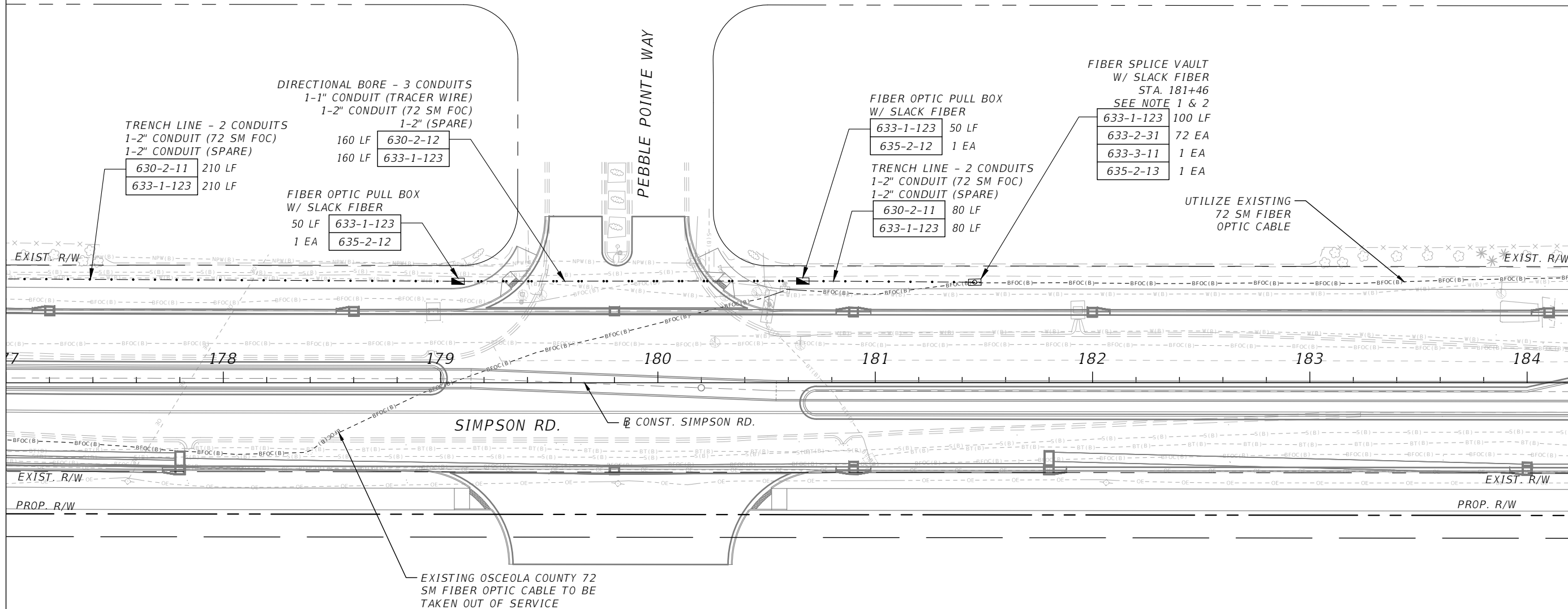
- INTERCEPT EXISTING OSCEOLA 72 SM FIBER OPTIC CABLE. INSTALL PULL BOX AND PULL IN EXISTING CONDUIT & FIBER.
- SPLICE EXISTING 72 SM FIBER TO PROPOSED TEMPORARY FIBER AND SPLICE COLOR TO COLOR.
- INSTALL CONDUIT AND TEMPORARY 72 SM FIBER IN PHASE 1 CONSTRUCTION. SEE ROADWAY COMPONENT PLANS FOR CONSTRUCTION PHASING.

HAWTHORNER LN



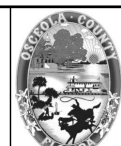
MATCHLINE STA. - 177+00.00

MATCHLINE STA. - 184+20.00



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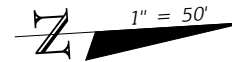
OSCEOLA COUNTY
 FLORIDA

ITS PLAN SHEET (MOC)

SHEET NO.
 IT-11

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- NOTES:
 1. INTERCEPT EXISTING CONDUIT & INSTALL TEMPORARY 72 SM FOC.
 2. SPLICE EXISTING 72 SM FIBER TO PROPOSED TEMPORARY FIBER AND SPLICE COLOR TO COLOR.
 3. INSTALL CONDUIT AND TEMPORARY 72 SM FIBER IN PHASE 1 CONSTRUCTION.
 SEE ROADWAY COMPONENT PLANS FOR CONSTRUCTION PHASING.



UTILIZE EXISTING 72 SM FIBER OPTIC CABLE FOR PHASE 1 CONSTRUCTION

FIBER SPLICE VAULT W/ SLACK FIBER STA. 199+11 SEE NOTE 1 & 2

633-1-123	100 LF
633-2-31	72 EA
633-3-11	1 EA
635-2-13	1 EA

FIBER OPTIC PULL BOX W/ SLACK FIBER SEE NOTE 1

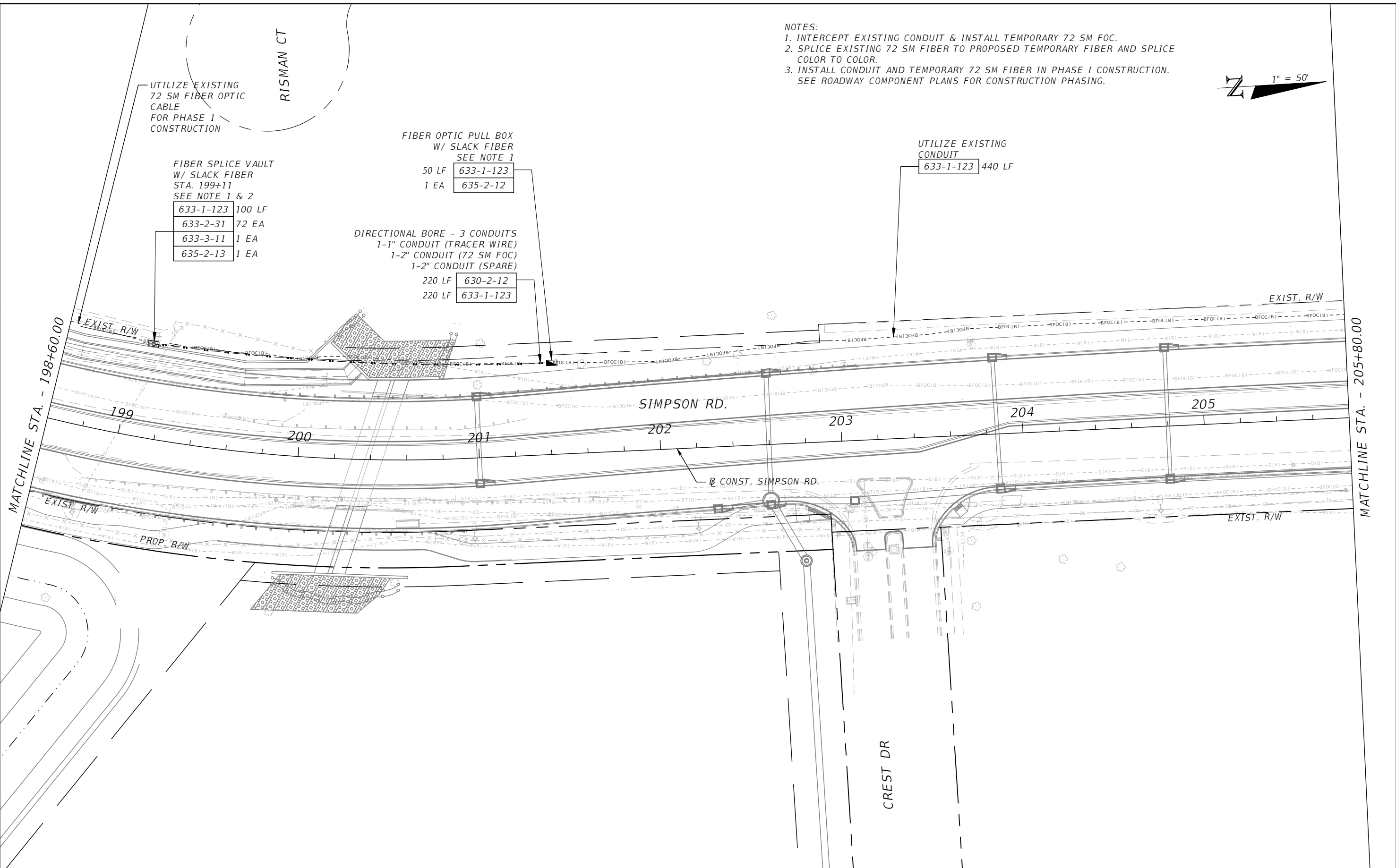
50 LF	633-1-123
1 EA	635-2-12

DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)

220 LF	630-2-12
220 LF	633-1-123

UTILIZE EXISTING CONDUIT

633-1-123	440 LF
-----------	--------



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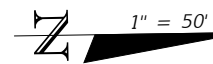
ITS PLAN SHEET (MOC)

SHEET NO.
 IT-12

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NOTES:
 1. INTERCEPT EXISTING OSCEOLA 72 SM FIBER OPTIC CABLE. INSTALL PULL BOX AND PULL IN EXISTING CONDUIT & FIBER.

TOMORROW DR



CLARABELLE CT

EAGLE BAY BLVD

PRIEGO BLVD

NOBLE CROW DR

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 SEE NOTE 1
 50 LF 633-1-123
 1 EA 635-2-12

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 270 LF 630-2-11
 270 LF 633-1-123

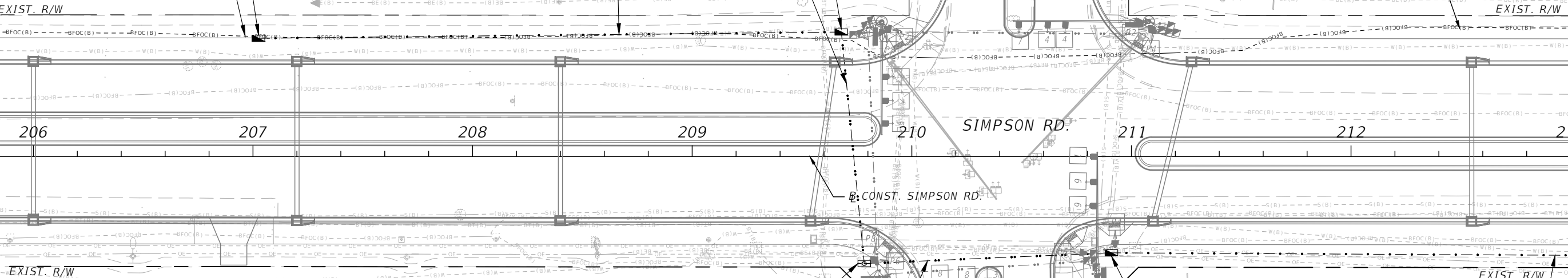
DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 110 LF 630-2-12
 110 LF 633-1-123

EXISTING OSCEOLA
 COUNTY 72 SM
 FIBER OPTIC
 CABLE TO BE
 TAKEN OUT OF
 SERVICE

UTILIZE EXISTING
 CONDUIT
 125 LF 633-1-123

MATCHLINE STA. - 205+80.00

MATCHLINE STA. - 213+00.00



FIBER SPlice VAULT
 W/ SLACK FIBER
 STA. 209+78
 50 LF 633-1-123
 1 EA 635-2-13

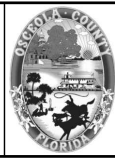
TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 210 LF 630-2-11
 210 LF 633-1-123

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 633-1-123 50 LF
 635-2-12 1 EA

DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 115 LF 630-2-12
 115 LF 633-1-123

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 PE # 74758



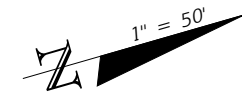
OSCEOLA COUNTY
 FLORIDA

ITS PLAN SHEET (MOC)

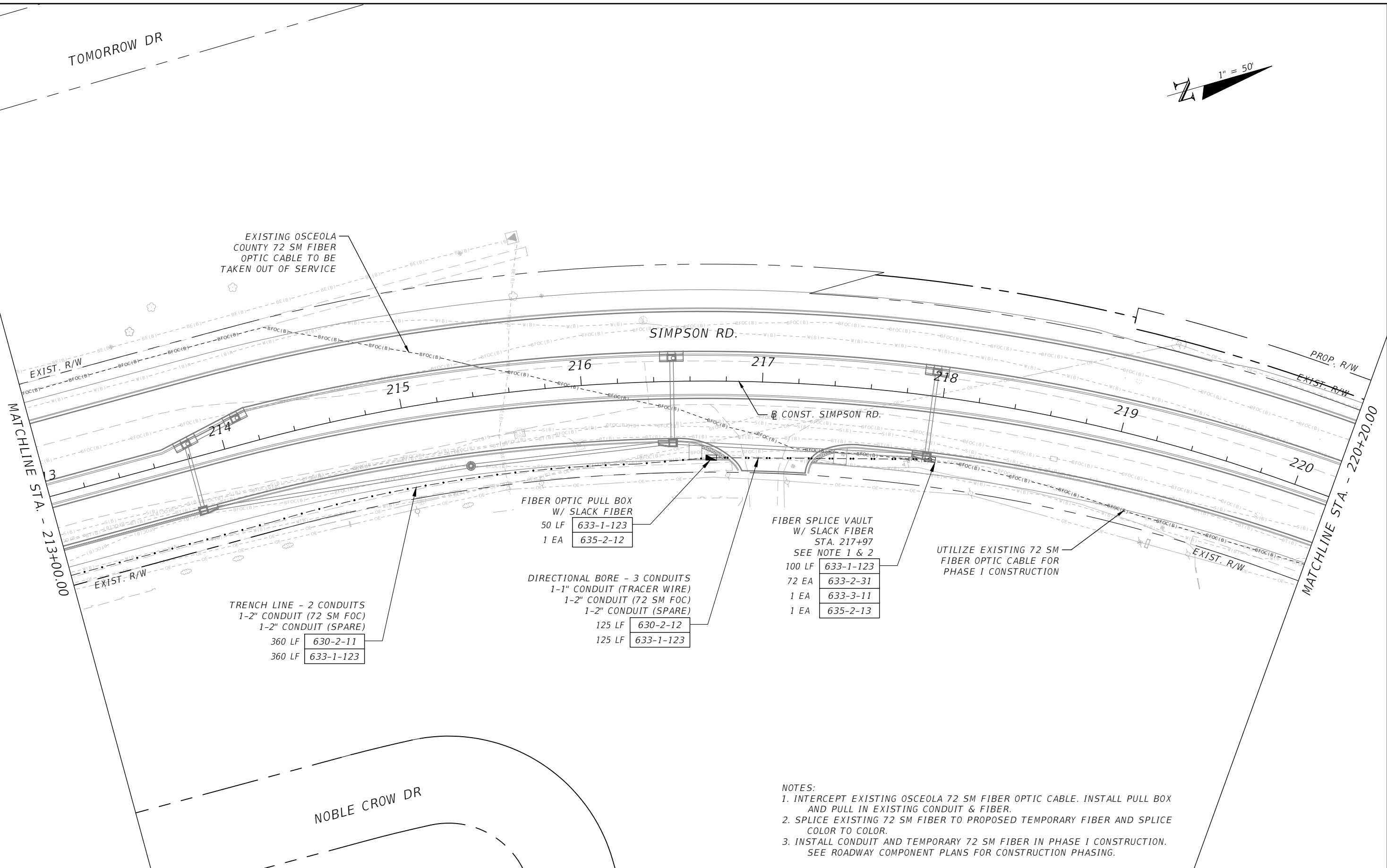
SHEET
 NO.
 IT-13

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TOMORROW DR



EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE



FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

FIBER SPLICE VAULT
W/ SLACK FIBER
STA. 217+97
SEE NOTE 1 & 2
100 LF 633-1-123
72 EA 633-2-31
1 EA 633-3-11
1 EA 635-2-13

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
125 LF 630-2-12
125 LF 633-1-123

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
360 LF 630-2-11
360 LF 633-1-123

UTILIZE EXISTING 72 SM FIBER OPTIC CABLE FOR PHASE I CONSTRUCTION

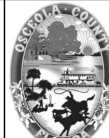
NOTES:

1. INTERCEPT EXISTING OSCEOLA 72 SM FIBER OPTIC CABLE. INSTALL PULL BOX AND PULL IN EXISTING CONDUIT & FIBER.
2. SPLICE EXISTING 72 SM FIBER TO PROPOSED TEMPORARY FIBER AND SPLICE COLOR TO COLOR.
3. INSTALL CONDUIT AND TEMPORARY 72 SM FIBER IN PHASE I CONSTRUCTION. SEE ROADWAY COMPONENT PLANS FOR CONSTRUCTION PHASING.

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PE # 74758



OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET (MOC)

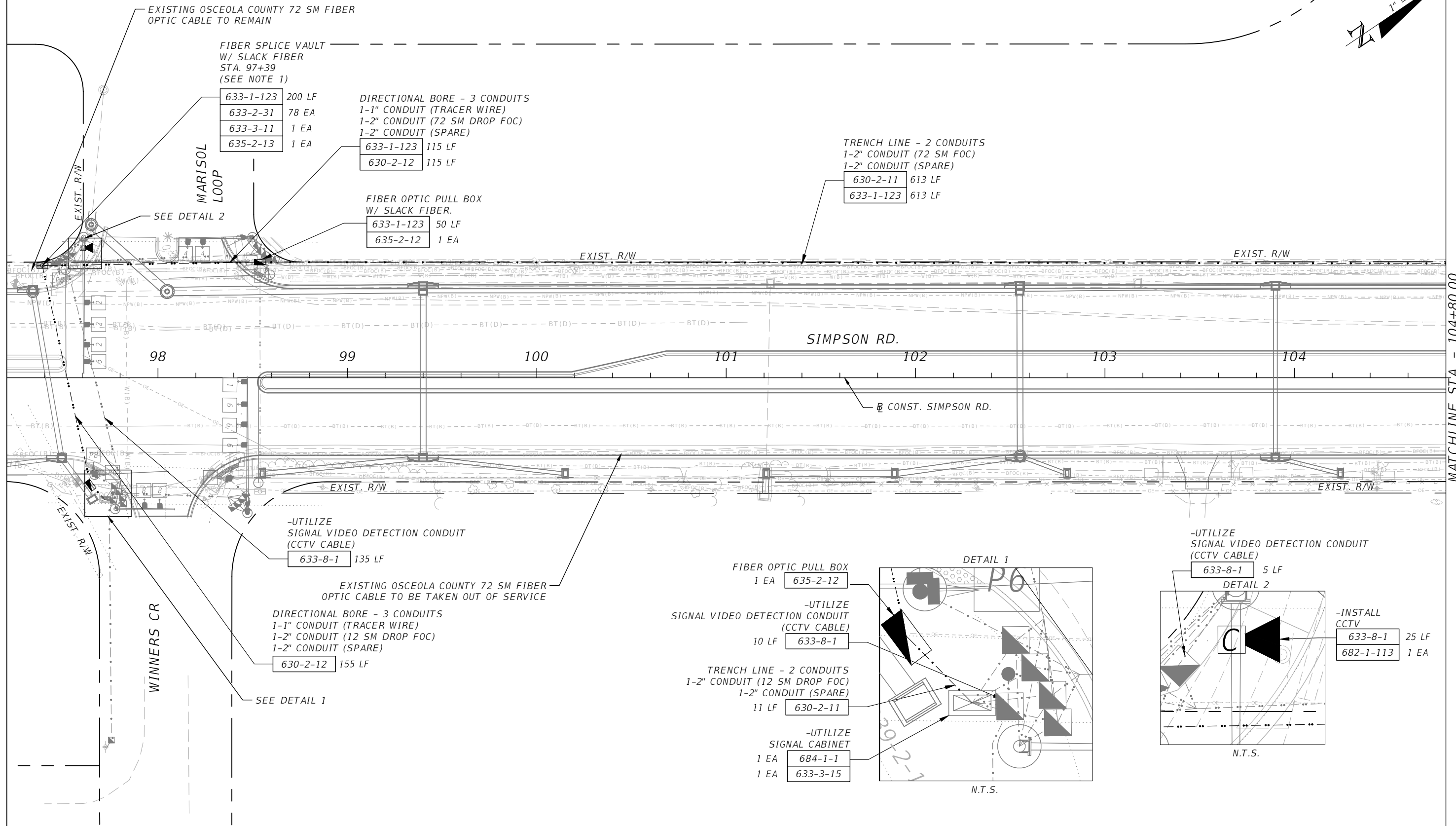
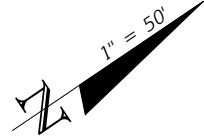
SHEET NO.
IT-14

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NOTES:

- INTERCEPT EXISTING 72SM FIBER OPTIC CABLE AND INSTALL FIBER SPLICE VAULT. BUTT SPLICE PROPOSED 72 SM TO EXISTING OSCEOLA 72 SM FIBER SOUTH.

JESSA DRIVE



MATCHLINE STA. - 104+80.00

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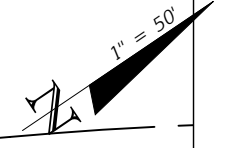


OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET NO.
IT-15

SANTA LUCIA ST



TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

630-2-11	276 LF
633-1-123	276 LF

FIBER OPTIC PULL BOX
W/ SLACK FIBER

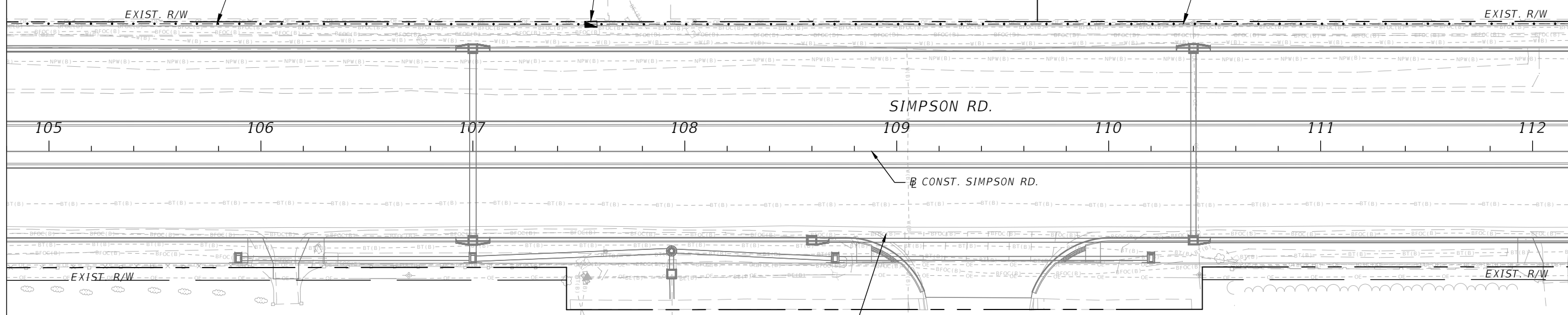
633-1-123	50 LF
635-2-12	1 EA

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

630-2-11	465 LF
633-1-123	465 LF

MATCHLINE STA. - 104+80.00

MATCHLINE STA. - 112+20.00



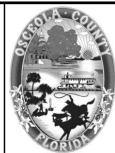
EXISTING OSCEOLA
COUNTY 72 SM FIBER
OPTIC CABLE TO BE
TAKEN OUT OF
SERVICE

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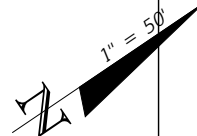


OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET
NO.
IT-16

SANTA LUCIA ST



TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 630-2-11 535 LF
 633-1-123 535 LF

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 185 LF 630-2-11
 185 LF 633-1-123

MATCHLINE STA. - 112+20.00

MATCHLINE STA. - 119+40.00

EXIST. R/W

EXIST. R/W

SIMPSON RD.

113

114

115

116

117

118

119

CONST. SIMPSON RD.

EXISTING OSCEOLA
 COUNTY 72 SM FIBER
 OPTIC CABLE TO BE
 TAKEN OUT OF
 SERVICE

DERBY DR

REVISIONS			
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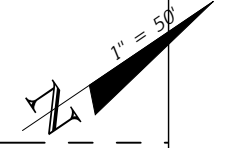
OSCEOLA COUNTY
 FLORIDA

ITS PLAN SHEET

SHEET
 NO.

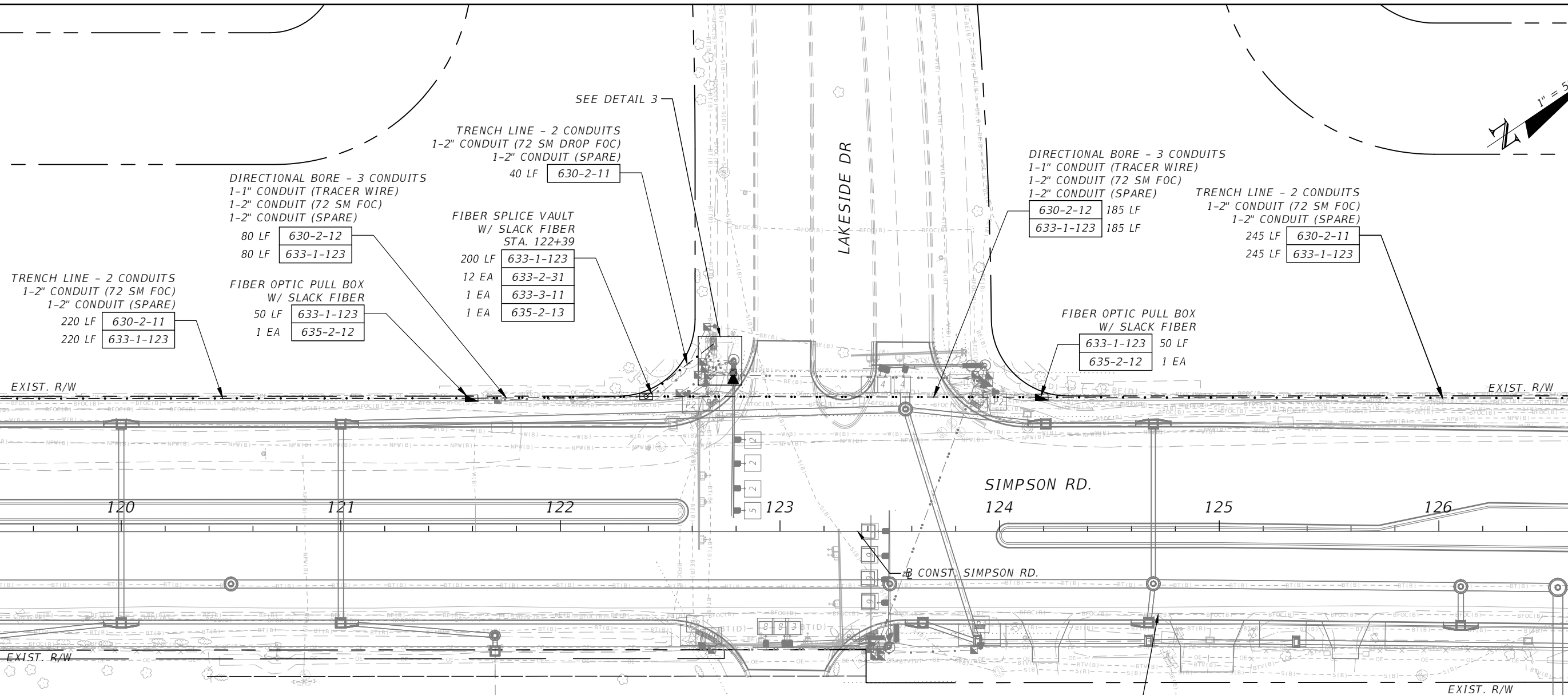
IT-17

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MATCHLINE STA. - 119+40.00

MATCHLINE STA. - 126+60.00



SEE DETAIL 3
TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM DROP FOC)
1-2" CONDUIT (SPARE)
40 LF 630-2-11

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
80 LF 630-2-12
80 LF 633-1-123

FIBER SPLICE VAULT
W/ SLACK FIBER
STA. 122+39
200 LF 633-1-123
12 EA 633-2-31
1 EA 633-3-11
1 EA 635-2-13

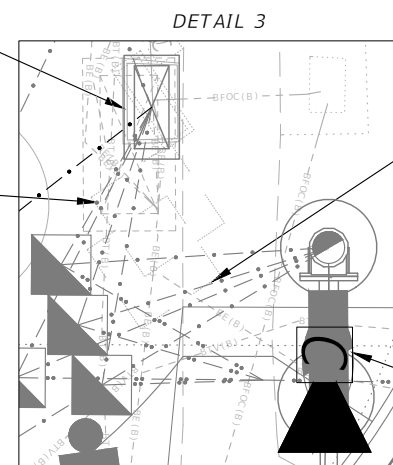
FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
220 LF 630-2-11
220 LF 633-1-123

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
185 LF 630-2-12
185 LF 633-1-123

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
245 LF 630-2-11
245 LF 633-1-123

FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12



-UTILIZE SIGNAL CABINET
1 EA 633-3-15
1 EA 684-1-1

-UTILIZE SIGNAL VIDEO DETECTION CONDUIT (CCTV CABLE)
10 LF 633-8-1

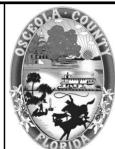
-UTILIZE SIGNAL VIDEO DETECTION CONDUIT (CCTV CABLE)
15 LF 633-8-1

-INSTALL CCTV
25 LF 633-8-1
1 EA 682-1-113

EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

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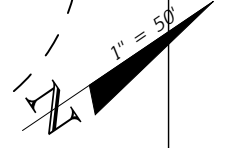
OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET NO.
IT-18

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PARSON'S POND CR



TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

630-2-11 85 LF
633-1-123 85 LF

FIBER OPTIC PULL BOX
W/ SLACK FIBER

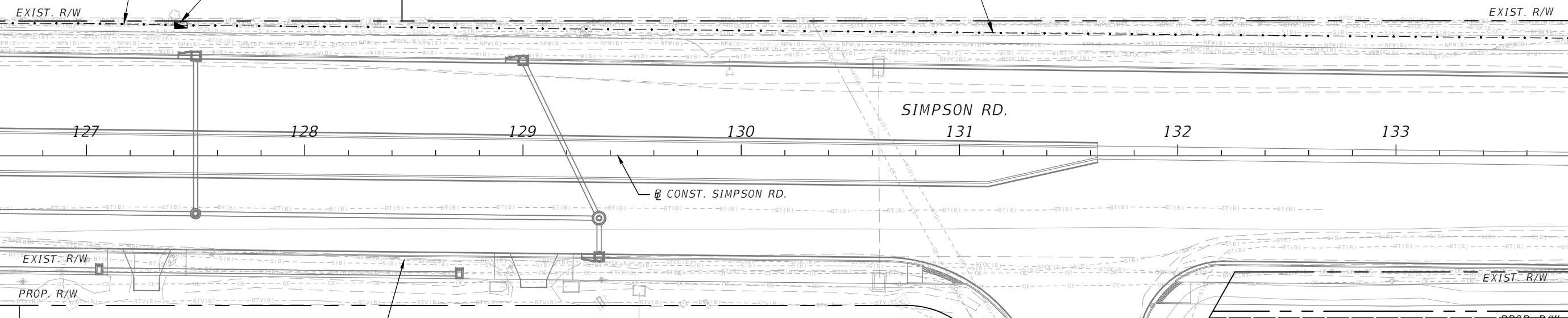
633-1-123 50 LF
635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

640 LF 630-2-11
640 LF 633-1-123

MATCHLINE STA. - 126+60.00

MATCHLINE STA. - 133+80.00

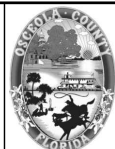


EXISTING OSCEOLA
COUNTY 72 SM FIBER
OPTIC CABLE TO BE
TAKEN OUT OF
SERVICE

FLAMBOYAN ST

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineers | Scientists
Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932
Jared Knight, P.E.
PE # 74758

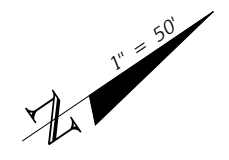


OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET
NO.
IT-19

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MATCHLINE STA. - 133+80.00

MATCHLINE STA. - 141+00.00

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 630-2-11 255 LF
 633-1-123 255 LF

DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 80 LF 630-2-12
 80 LF 633-1-123

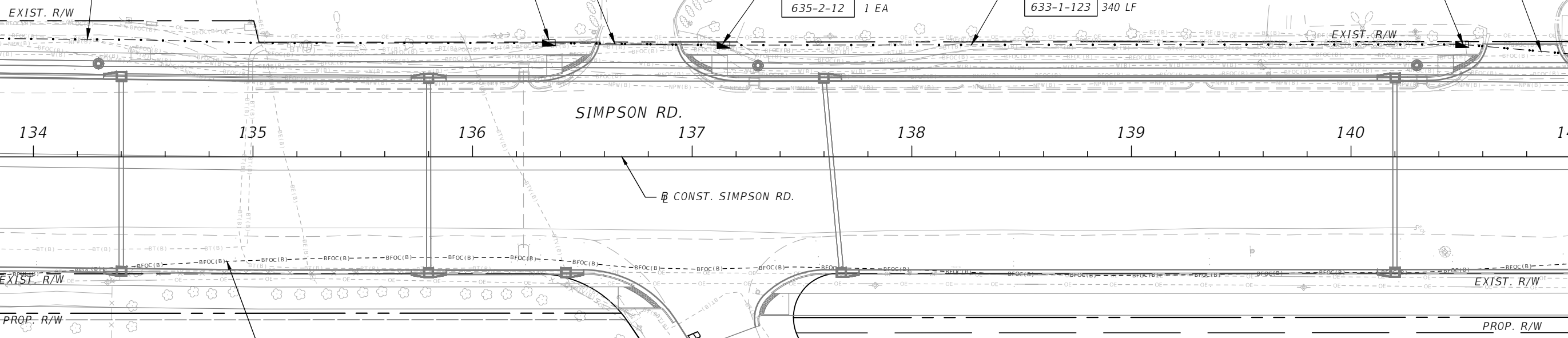
FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 633-1-123 50 LF
 635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 630-2-11 340 LF
 633-1-123 340 LF

DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 50 LF 630-2-12
 50 LF 633-1-123

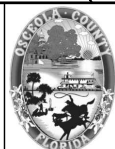
FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12



EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

REVISIONS			
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 Planners | Designers
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 PE # 74758

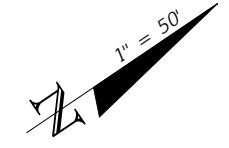


OSCEOLA COUNTY
 FLORIDA

ITS PLAN SHEET

SHEET NO.
 IT-20

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MATCHLINE STA. - 141+00.00

MATCHLINE STA. - 148+20.00

BUENAVENTURA BLVD

SIMPSON RD.

CONST. SIMPSON RD.

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

- 630-2-12 30 LF
- 633-1-123 30 LF

FIBER OPTIC PULL BOX
W/ SLACK FIBER

- 633-1-123 50 LF
- 635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

- 630-2-11 240 LF
- 633-1-123 240 LF

SEE DETAIL 4

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

- 190 LF 630-2-12
- 190 LF 633-1-123

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

- 235 LF 630-2-11
- 235 LF 633-1-123

FIBER OPTIC PULL BOX
W/ SLACK FIBER

- 633-1-123 50 LF
- 635-2-12 1 EA

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

- 40 LF 630-2-12
- 40 LF 633-1-123

FIBER OPTIC PULL BOX
W/ SLACK FIBER

- 50 LF 633-1-123
- 1 EA 635-2-12

141 142 143 144 145 146 147 148

EXIST. R/W PROP. R/W

EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (12 SM DROP FOC)
1-2" CONDUIT (SPARE)

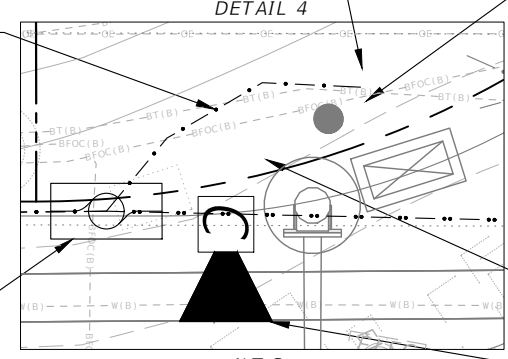
- 20 LF 630-2-11

FIBER SPLICE VAULT
W/ SLACK FIBER
STA. 143+62

- 200 LF 633-1-123
- 12 EA 633-2-31
- 1 EA 633-3-11
- 1 EA 635-2-13

-UTILIZE SIGNAL CABINET
1 EA 633-3-15
1 EA 684-1-1

-UTILIZE SIGNAL VIDEO DETECTION CONDUIT (CCTV CABLE)
633-8-1 5 LF

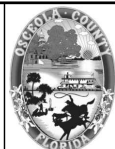


-UTILIZE SIGNAL VIDEO DETECTION CONDUIT (CCTV CABLE)
633-8-1 10 LF

-INSTALL CCTV
633-8-1 25 LF
682-1-113 1 EA

REVISIONS			
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PE # 74758

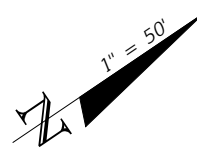


OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET NO.
IT-21

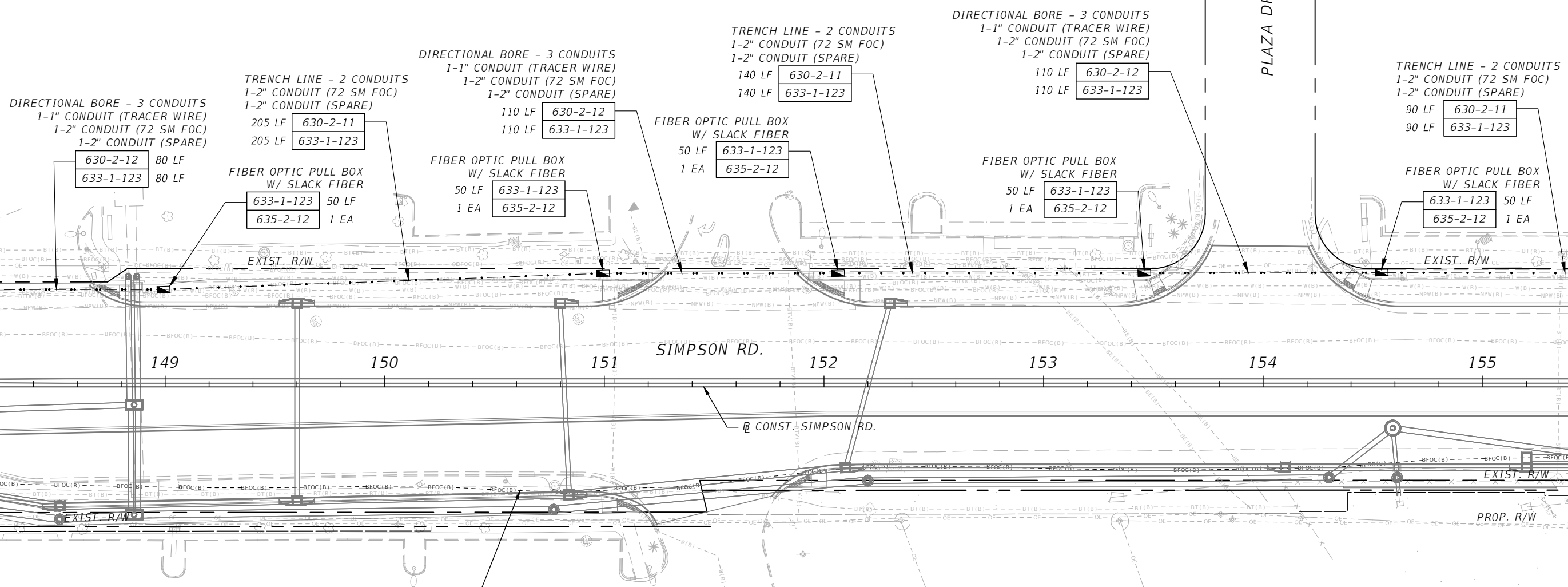
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MATCHLINE STA. - 148+20.00

MATCHLINE STA. - 155+40.00

PLAZA DR



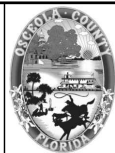
EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

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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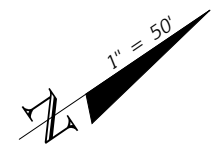
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PE # 74758



OSCEOLA COUNTY
FLORIDA

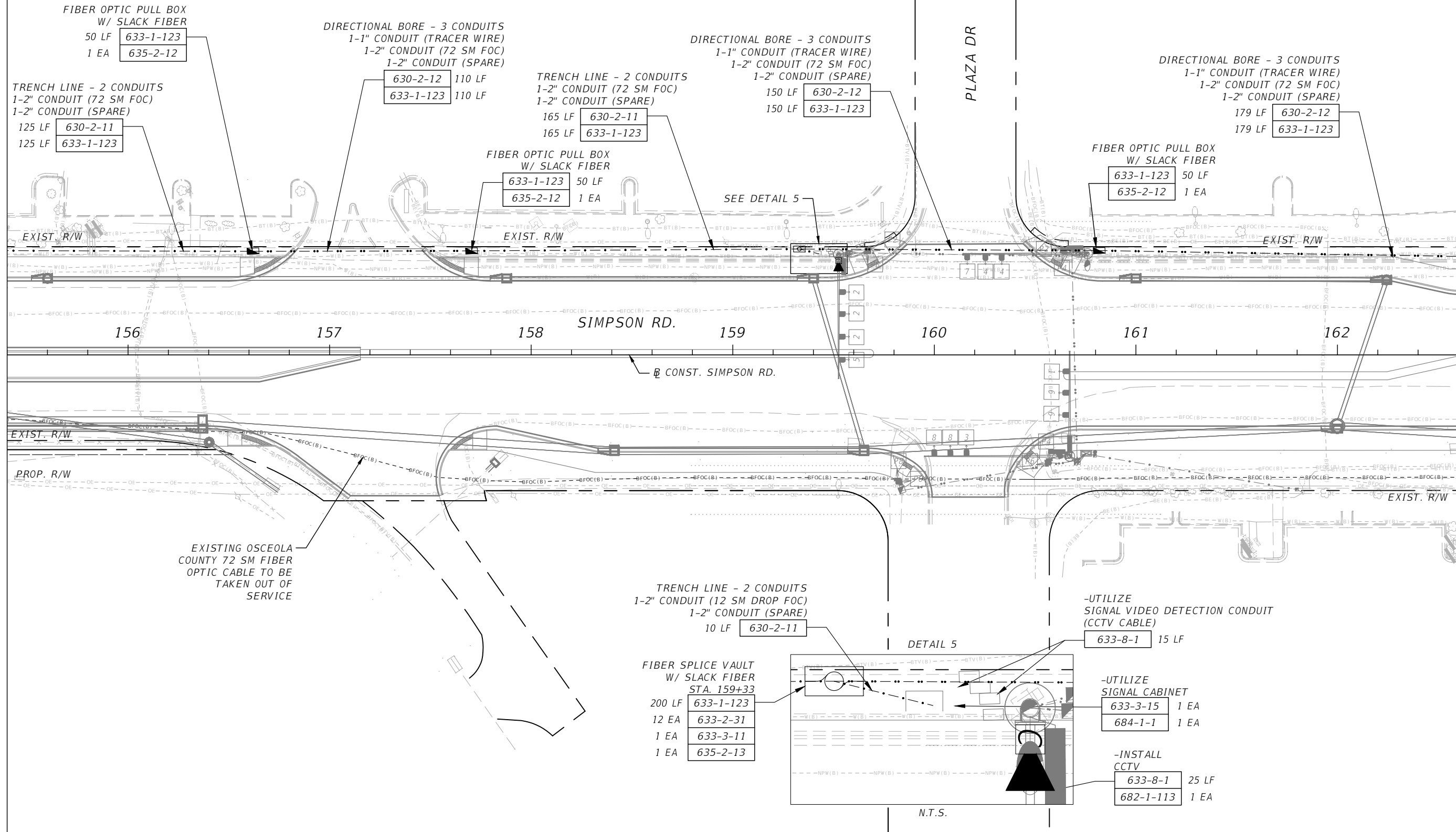
ITS PLAN SHEET

SHEET NO.
IT-22



MATCHLINE STA. - 155+40.00

MATCHLINE STA. - 162+60.00



EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (12 SM DROP FOC)
1-2" CONDUIT (SPARE)
10 LF 630-2-11

FIBER SPLICE VAULT
W/ SLACK FIBER
STA. 159+33
200 LF 633-1-123
12 EA 633-2-31
1 EA 633-3-11
1 EA 635-2-13

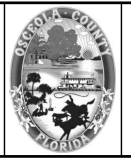
-UTILIZE SIGNAL VIDEO DETECTION CONDUIT (CCTV CABLE)
633-8-1 15 LF

-UTILIZE SIGNAL CABINET
633-3-15 1 EA
684-1-1 1 EA

-INSTALL CCTV
633-8-1 25 LF
682-1-113 1 EA

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PE # 74758

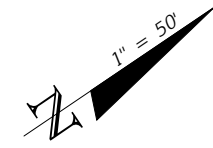


OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

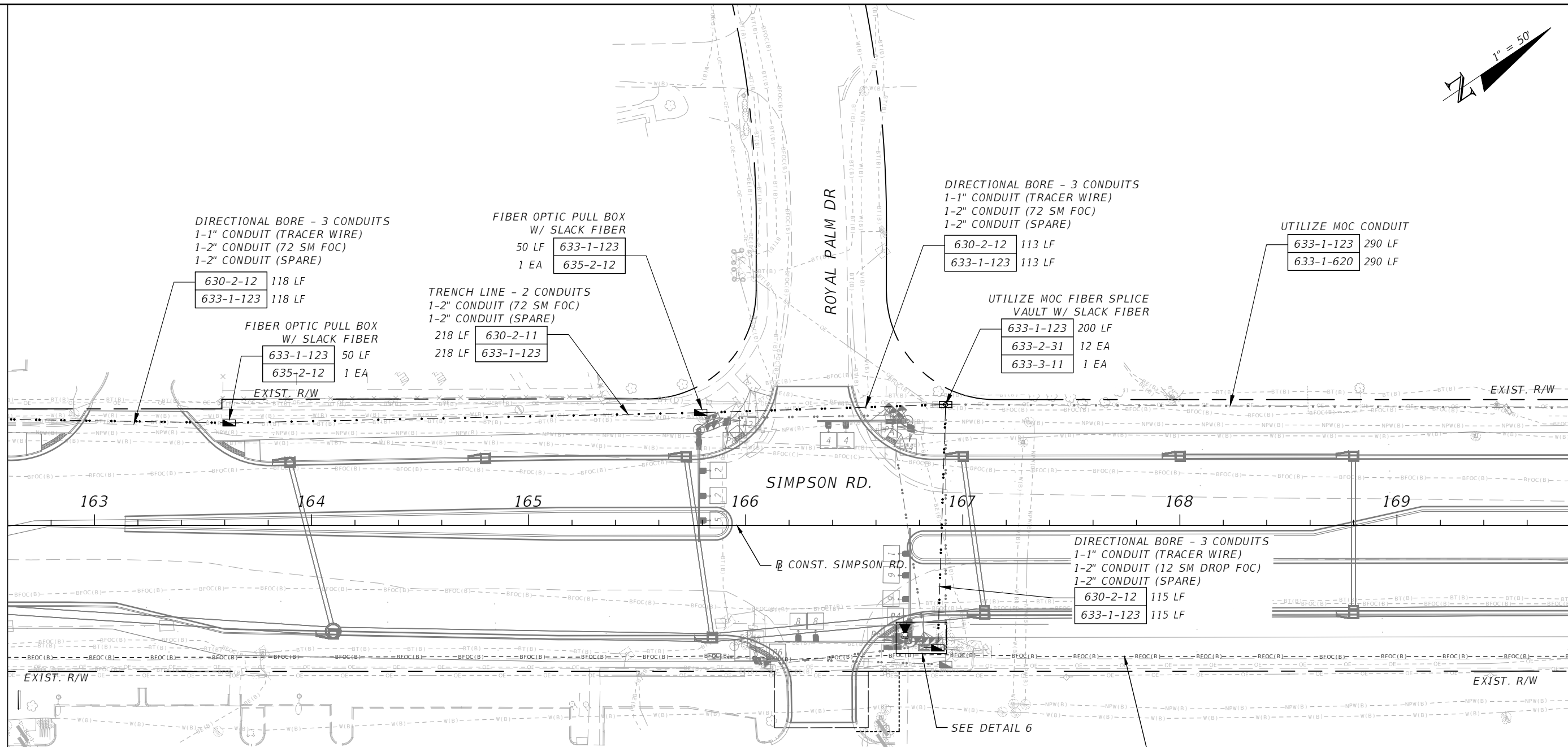
SHEET NO.
IT-23

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MATCHLINE STA. - 162+60.00

MATCHLINE STA. - 169+80.00



DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

630-2-12 118 LF
633-1-123 118 LF

FIBER OPTIC PULL BOX
W/ SLACK FIBER
633-1-123 50 LF
635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

218 LF 630-2-11
218 LF 633-1-123

FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)

630-2-12 113 LF
633-1-123 113 LF

UTILIZE MOC FIBER SPLICE
VAULT W/ SLACK FIBER

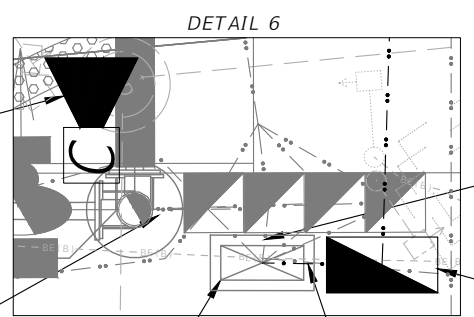
633-1-123 200 LF
633-2-31 12 EA
633-3-11 1 EA

UTILIZE MOC CONDUIT

633-1-123 290 LF
633-1-620 290 LF

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (12 SM DROP FOC)
1-2" CONDUIT (SPARE)

630-2-12 115 LF
633-1-123 115 LF



-UTILIZE SIGNAL VIDEO DETECTION CONDUIT (CCTV CABLE)
633-8-1 5 LF

FIBER OPTIC PULL BOX
W/ SLACK FIBER
635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (12 SM DROP FOC)
1-2" CONDUIT (SPARE)
630-2-11 10 LF

EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

SEE DETAIL 6

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



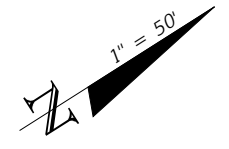
OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET NO.
IT-24

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HAWTHORNER LN



UTILIZE MOC CONDUIT
633-1-123 135 LF
633-1-620 135 LF

UTILIZE MOC PULL BOX
W/ SLACK FIBER
633-1-123 50 LF

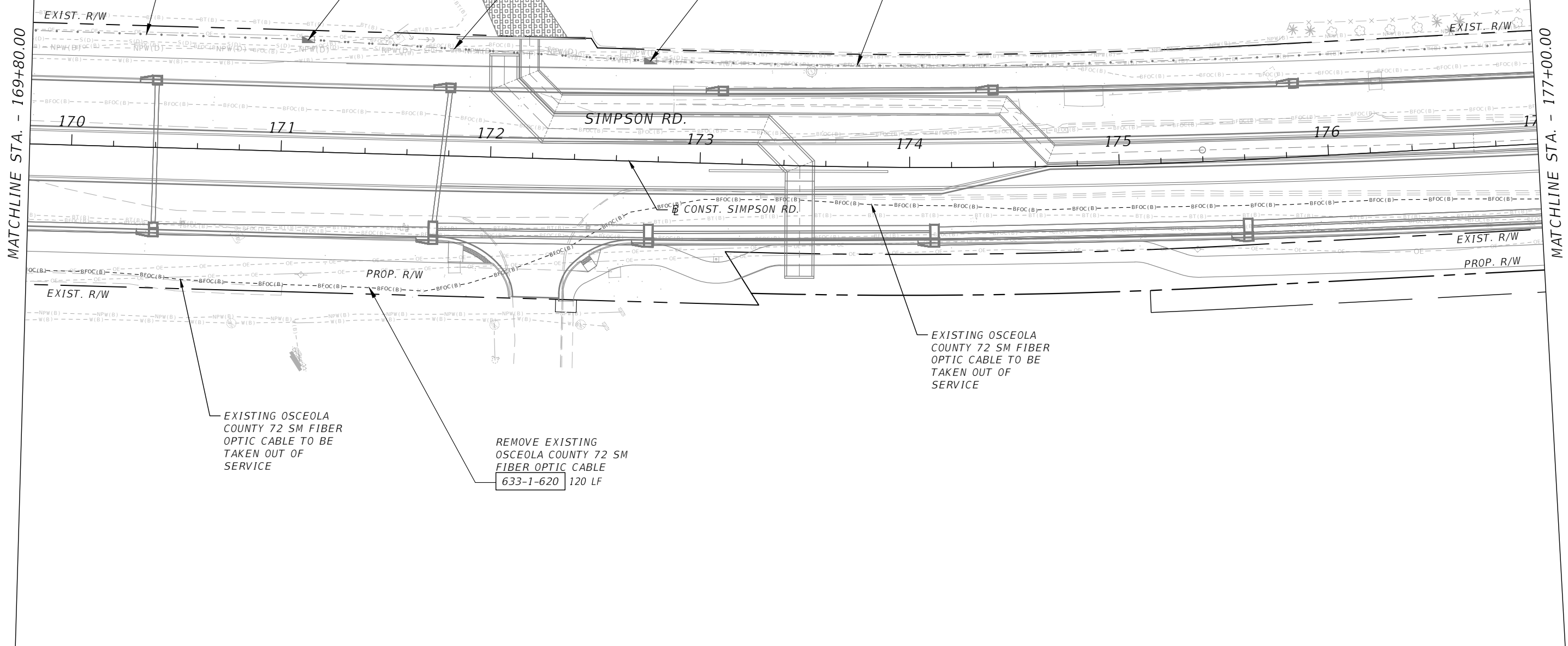
UTILIZE MOC PULL BOX
W/ SLACK FIBER
633-1-123 50 LF

UTILIZE MOC CONDUIT
633-1-123 425 LF
633-1-620 425 LF

UTILIZE MOC CONDUIT
633-1-123 165 LF
633-1-620 165 LF

MATCHLINE STA. - 169+80.00

MATCHLINE STA. - 177+00.00



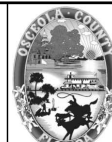
EXISTING OSCEOLA
COUNTY 72 SM FIBER
OPTIC CABLE TO BE
TAKEN OUT OF
SERVICE

REMOVE EXISTING
OSCEOLA COUNTY 72 SM
FIBER OPTIC CABLE
633-1-620 120 LF

EXISTING OSCEOLA
COUNTY 72 SM FIBER
OPTIC CABLE TO BE
TAKEN OUT OF
SERVICE

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Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932
Jared Knight, P.E.
PE # 74758



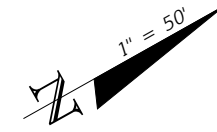
OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET
NO.
IT-25

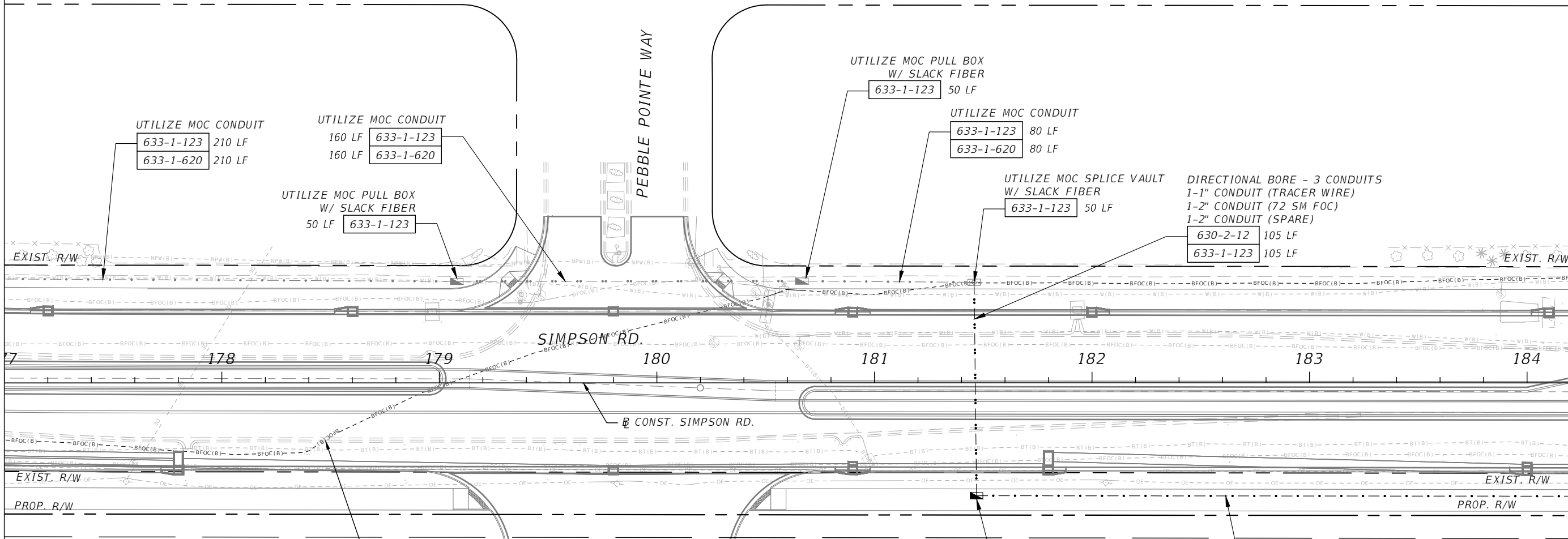
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HAWTHORNER LN



MATCHLINE STA. - 177+00.00

MATCHLINE STA. - 184+20.00



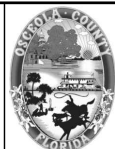
EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

FIBER OPTIC PULL BOX W/ SLACK FIBER
 633-1-123 50 LF
 635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 630-2-11 275 LF
 633-1-123 275 LF

REVISIONS			
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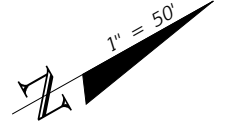
OSCEOLA COUNTY
 FLORIDA

ITS PLAN SHEET

SHEET NO.
 IT-26

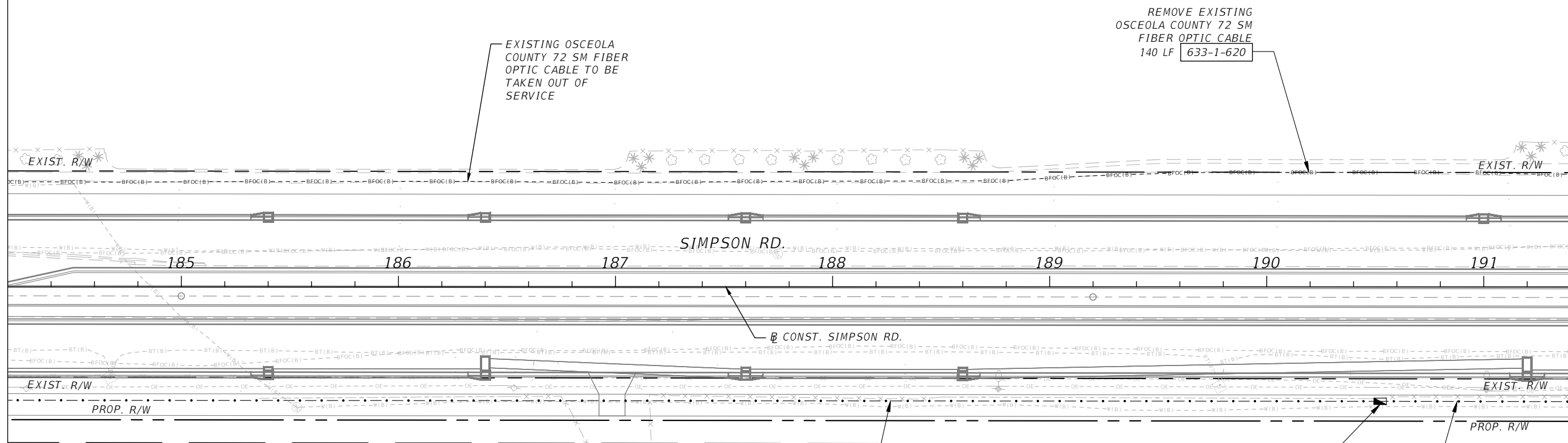
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HAWTHORNER LN



MATCHLINE STA. - 184+20.00

MATCHLINE STA. - 191+40.00



EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

REMOVE EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE
140 LF 633-1-620

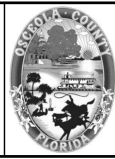
TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
635 LF 630-2-11
635 LF 633-1-123

FIBER OPTIC PULL BOX W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
90 LF 630-2-11
90 LF 633-1-123

REVISIONS			
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Jared Knight, P.E.
PE # 74758



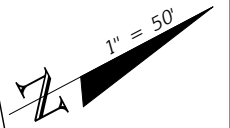
OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET NO.
IT-27

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HAWTHORNER LN



REMOVE EXISTING
OSCEOLA COUNTY 72 SM
FIBER OPTIC CABLE
715 LF 633-1-620

MATCHLINE STA. - 191+40.00

MATCHLINE STA. - 198+60.00

192

193

194

SIMPSON RD.

CONST. SIMPSON RD.

196

197

198

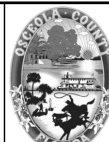
TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
365 LF 630-2-11
365 LF 633-1-123

FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
370 LF 630-2-11
370 LF 633-1-123

REVISIONS			
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PE # 74758

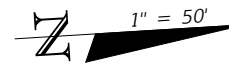


OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET
NO.
IT-28

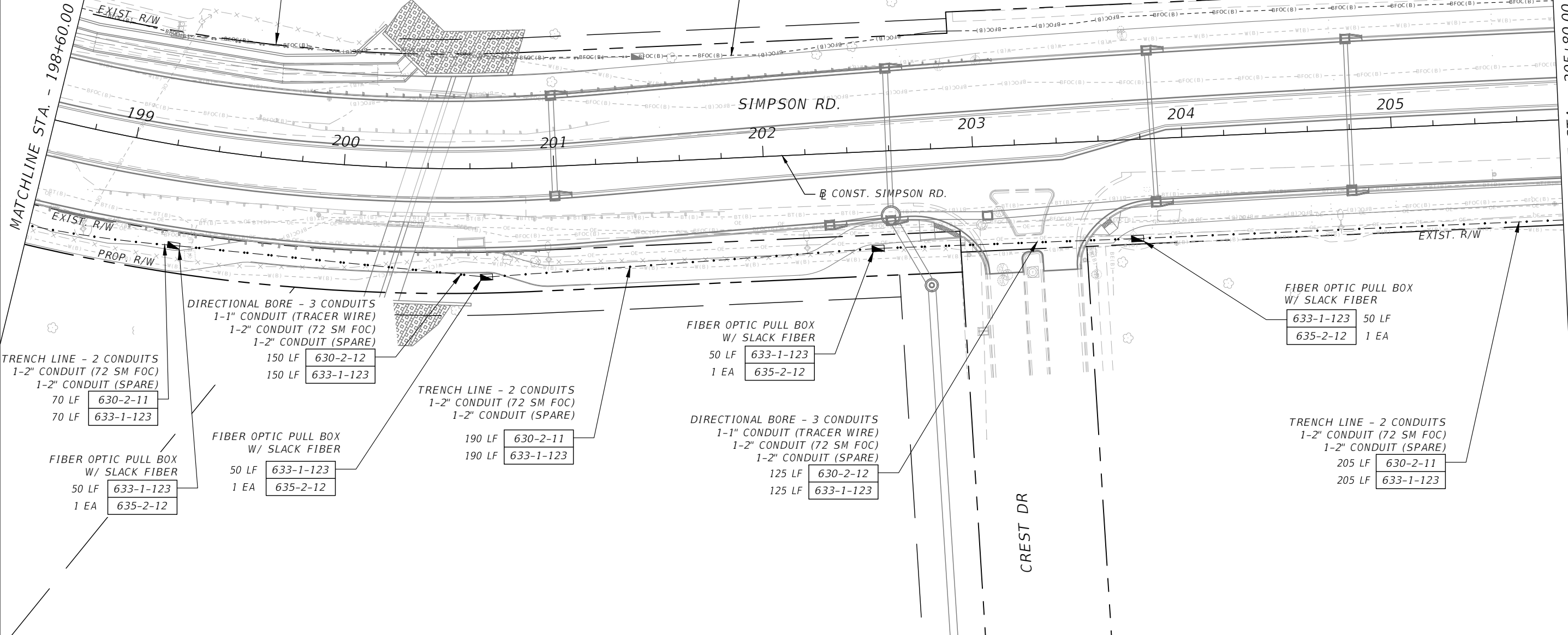
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RISMAN CT

REMOVE EXISTING
OSCEOLA COUNTY 72 SM
FIBER OPTIC CABLE
633-1-620 195 LF

EXISTING OSCEOLA
COUNTY 72 SM FIBER
OPTIC CABLE TO BE
TAKEN OUT OF
SERVICE



MATCHLINE STA. - 198+60.00

MATCHLINE STA. - 205+80.00

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
70 LF 630-2-11
70 LF 633-1-123

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
150 LF 630-2-12
150 LF 633-1-123

FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
190 LF 630-2-11
190 LF 633-1-123

FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

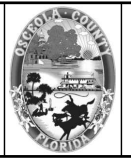
DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
125 LF 630-2-12
125 LF 633-1-123

FIBER OPTIC PULL BOX
W/ SLACK FIBER
633-1-123 50 LF
635-2-12 1 EA

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
205 LF 630-2-11
205 LF 633-1-123

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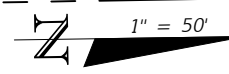
OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET
NO.
IT-29

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TOMORROW DR



CLARABELLE CT

EAGLE BAY BLVD

EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

375 LF 633-1-620
TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
400 LF 630-2-11
400 LF 633-1-123

EXISTING CCTV

MATCHLINE STA. - 205+80.00

MATCHLINE STA. - 213+00.00

EXIST. R/W

EXIST. R/W

206

207

208

209

210

SIMPSON RD.

211

212

EXIST. R/W

EXIST. R/W

UTILIZE MOC FIBER SPLICE VAULT W/ SLACK FIBER STA. 209+78
200 LF 633-1-123
12 EA 633-2-31
1 EA 633-3-11

-UTILIZE SIGNAL VIDEO DETECTION CONDUIT (CCTV CABLE)
633-8-1 15 LF

UTILIZE MOC PULL BOX W/ SLACK FIBER
633-1-123 50 LF

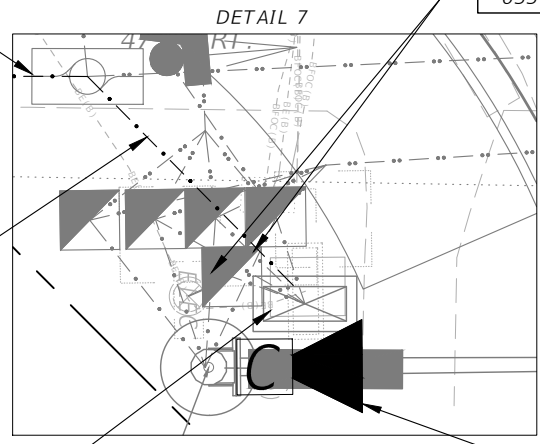
UTILIZE MOC CONDUIT
210 LF 633-1-123
210 LF 633-1-620

UTILIZE MOC CONDUIT
633-1-123 115 LF
633-1-620 115 LF

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (12 SM DROP FOC)
1-2" CONDUIT (SPARE)
20 LF 630-2-11

-UTILIZE SIGNAL CABINET
1 EA 633-3-15
1 EA 684-1-1

-RELOCATE CCTV
682-1-400 1 EA



N.T.S.

SEE DETAIL 7

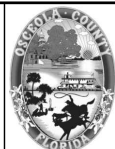
PRIEGO BLVD

NOBLE CROW DR

REVISIONS			
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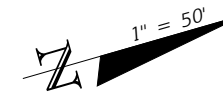
OSCEOLA COUNTY
FLORIDA

ITS PLAN SHEET

SHEET NO.
IT-30

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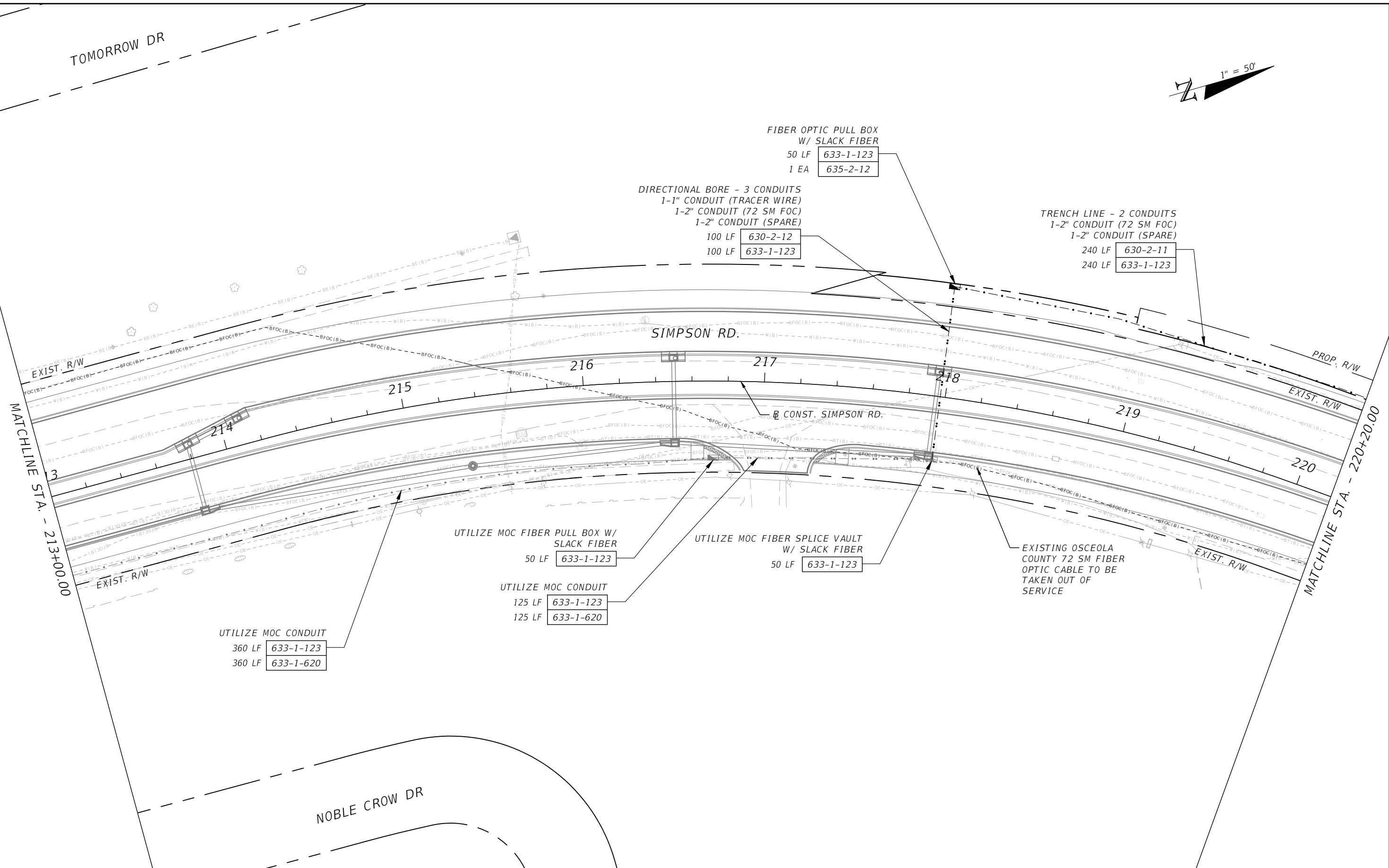
TOMORROW DR



FIBER OPTIC PULL BOX
W/ SLACK FIBER
50 LF 633-1-123
1 EA 635-2-12

DIRECTIONAL BORE - 3 CONDUITS
1-1" CONDUIT (TRACER WIRE)
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
100 LF 630-2-12
100 LF 633-1-123

TRENCH LINE - 2 CONDUITS
1-2" CONDUIT (72 SM FOC)
1-2" CONDUIT (SPARE)
240 LF 630-2-11
240 LF 633-1-123



UTILIZE MOC FIBER PULL BOX W/
SLACK FIBER
50 LF 633-1-123

UTILIZE MOC FIBER SPLICE VAULT
W/ SLACK FIBER
50 LF 633-1-123

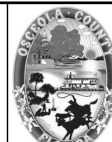
UTILIZE MOC CONDUIT
125 LF 633-1-123
125 LF 633-1-620

UTILIZE MOC CONDUIT
360 LF 633-1-123
360 LF 633-1-620

EXISTING OSCEOLA
COUNTY 72 SM FIBER
OPTIC CABLE TO BE
TAKEN OUT OF
SERVICE

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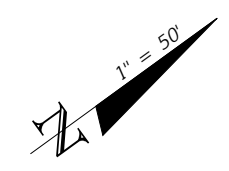


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ITS PLAN SHEET

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NO.
IT-31

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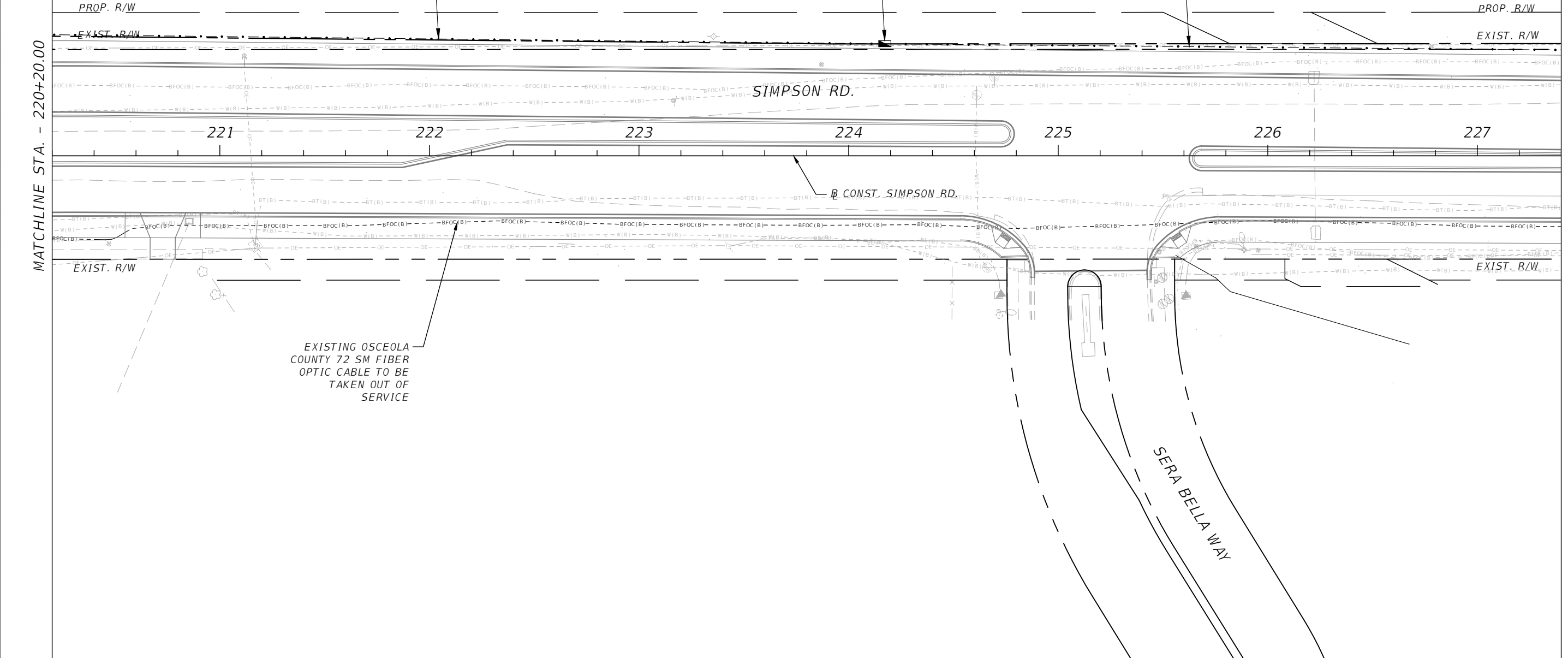
MATCHLINE STA. - 220+20.00

MATCHLINE STA. - 227+40.00

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 400 LF 630-2-11
 400 LF 633-1-123

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 325 LF 630-2-11
 325 LF 633-1-123

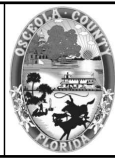


EXISTING OSCEOLA
 COUNTY 72 SM FIBER
 OPTIC CABLE TO BE
 TAKEN OUT OF
 SERVICE

REVISIONS			
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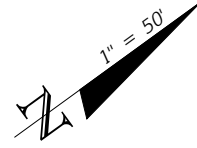


OSCEOLA COUNTY
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ITS PLAN SHEET

SHEET NO.
 IT-32

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MYERS RD

DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)

85 LF 630-2-12
 85 LF 633-1-123

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 135 LF 630-2-11
 135 LF 633-1-123

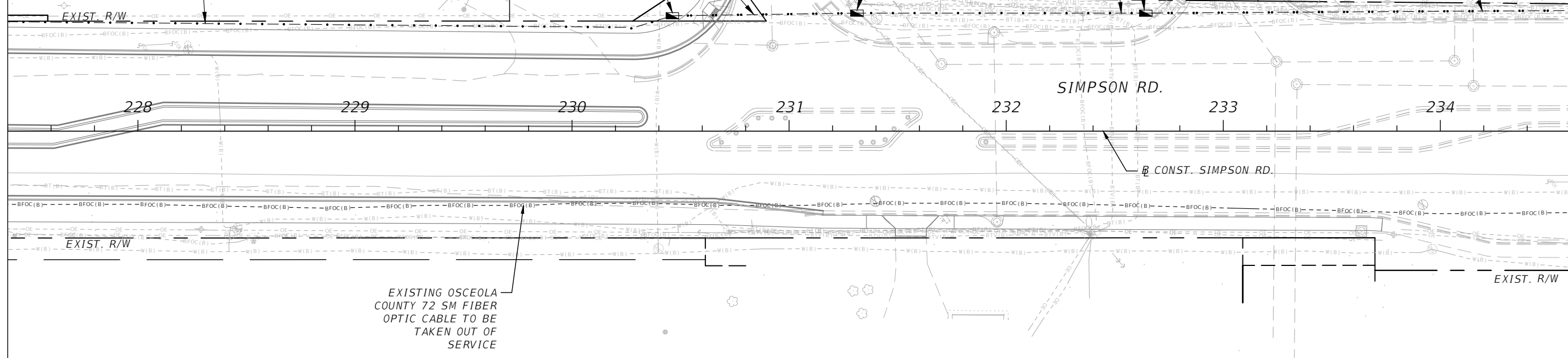
DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)

200 LF 630-2-12
 200 LF 633-1-123

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 310 LF 630-2-11
 310 LF 633-1-123
 PROP. R/W

MATCHLINE STA. - 227+40.00

MATCHLINE STA. - 234+60.00

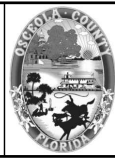


EXISTING OSCEOLA
 COUNTY 72 SM FIBER
 OPTIC CABLE TO BE
 TAKEN OUT OF
 SERVICE

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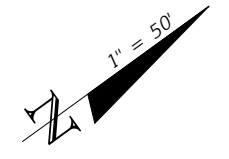


OSCEOLA COUNTY
 FLORIDA

ITS PLAN SHEET

SHEET NO.
 IT-33

NOTE 1: BUTT SPLICE PROPOSED FIBER TO EXISTING FIBER GOING ALONG OSCEOLA PARKWAY AND SIMPSON ROAD.



DIRECTIONAL BORE - 3 CONDUITS
 1-1" CONDUIT (TRACER WIRE)
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)

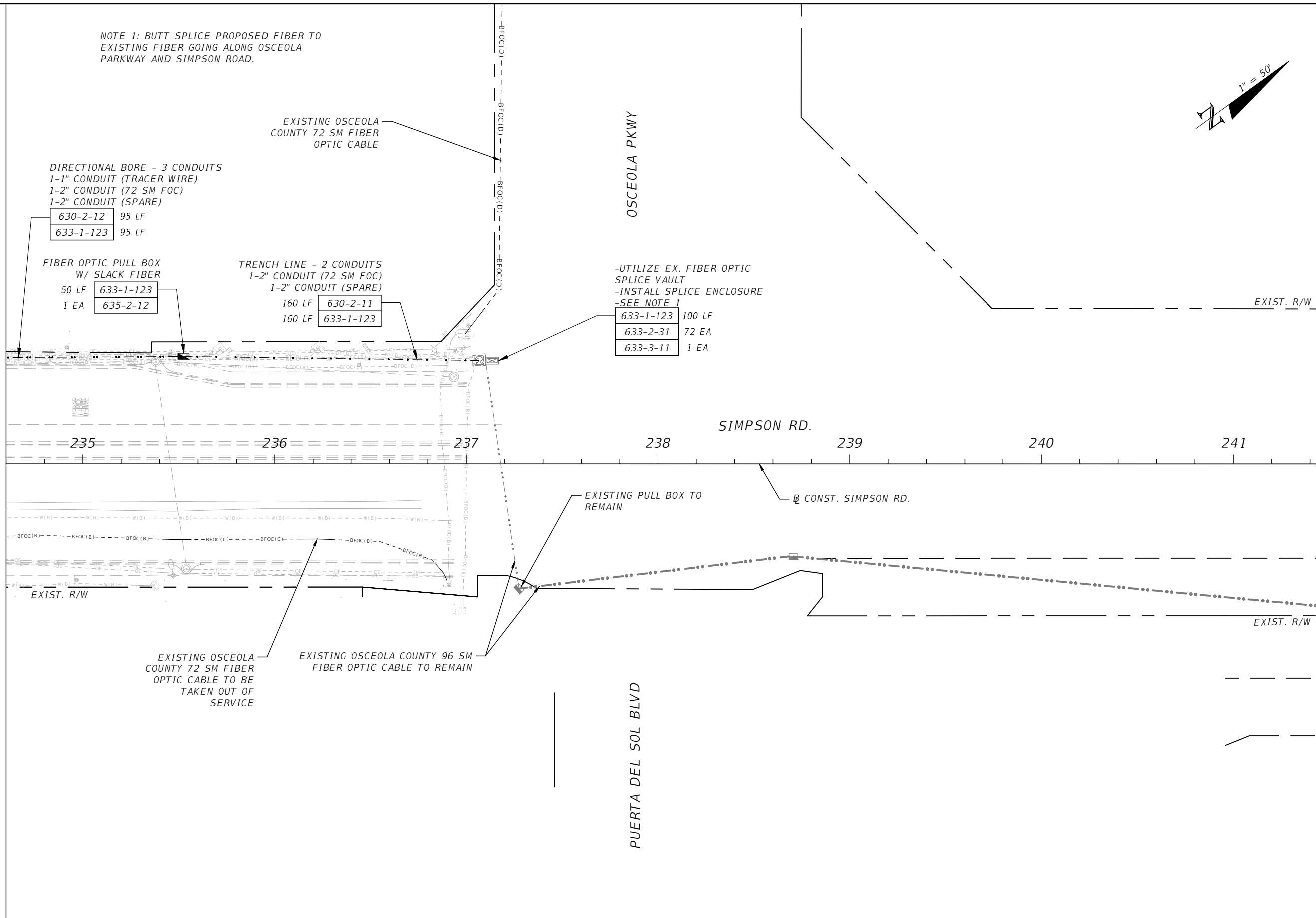
630-2-12 95 LF
 633-1-123 95 LF

FIBER OPTIC PULL BOX
 W/ SLACK FIBER
 50 LF 633-1-123
 1 EA 635-2-12

TRENCH LINE - 2 CONDUITS
 1-2" CONDUIT (72 SM FOC)
 1-2" CONDUIT (SPARE)
 160 LF 630-2-11
 160 LF 633-1-123

-UTILIZE EX. FIBER OPTIC SPLICE VAULT
 -INSTALL SPLICE ENCLOSURE
 -SEE NOTE 1
 633-1-123 100 LF
 633-2-31 72 EA
 633-3-11 1 EA

MATCHLINE STA. - 234+60.00



EXIST. R/W

EXIST. R/W

EXISTING OSCEOLA COUNTY 72 SM FIBER OPTIC CABLE TO BE TAKEN OUT OF SERVICE

EXISTING OSCEOLA COUNTY 96 SM FIBER OPTIC CABLE TO REMAIN

EXISTING PULL BOX TO REMAIN

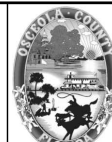
CONST. SIMPSON RD.

PUERTA DEL SOL BLVD

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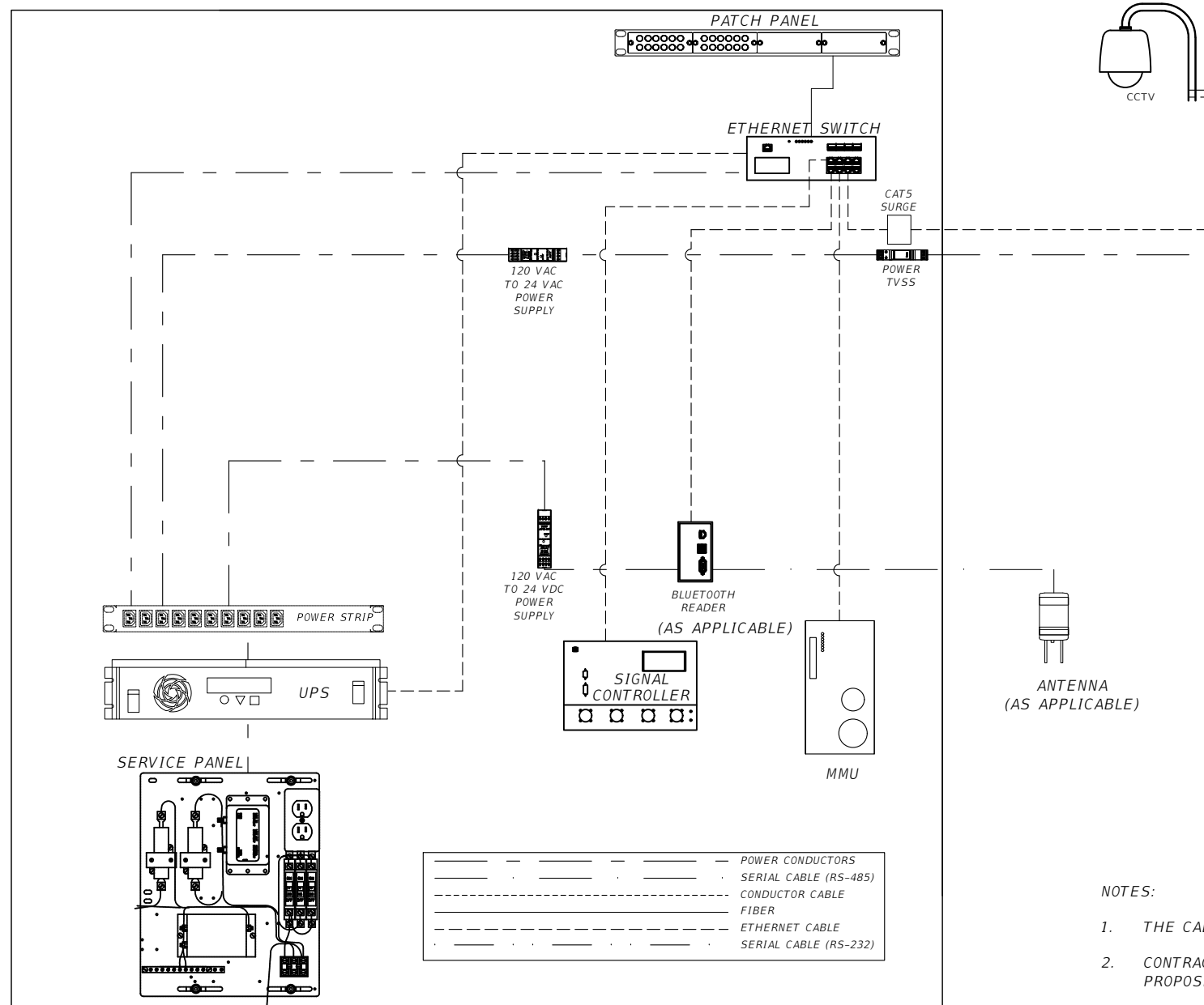


OSCEOLA COUNTY
 FLORIDA

ITS PLAN SHEET

SHEET NO.
 IT-34

POWER AND COMMUNICATIONS SCHEMATIC
SIGNAL CABINET



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OSCEOLA COUNTY
FLORIDA


ITS CABINET DETAIL
(SIGNAL CABINET)

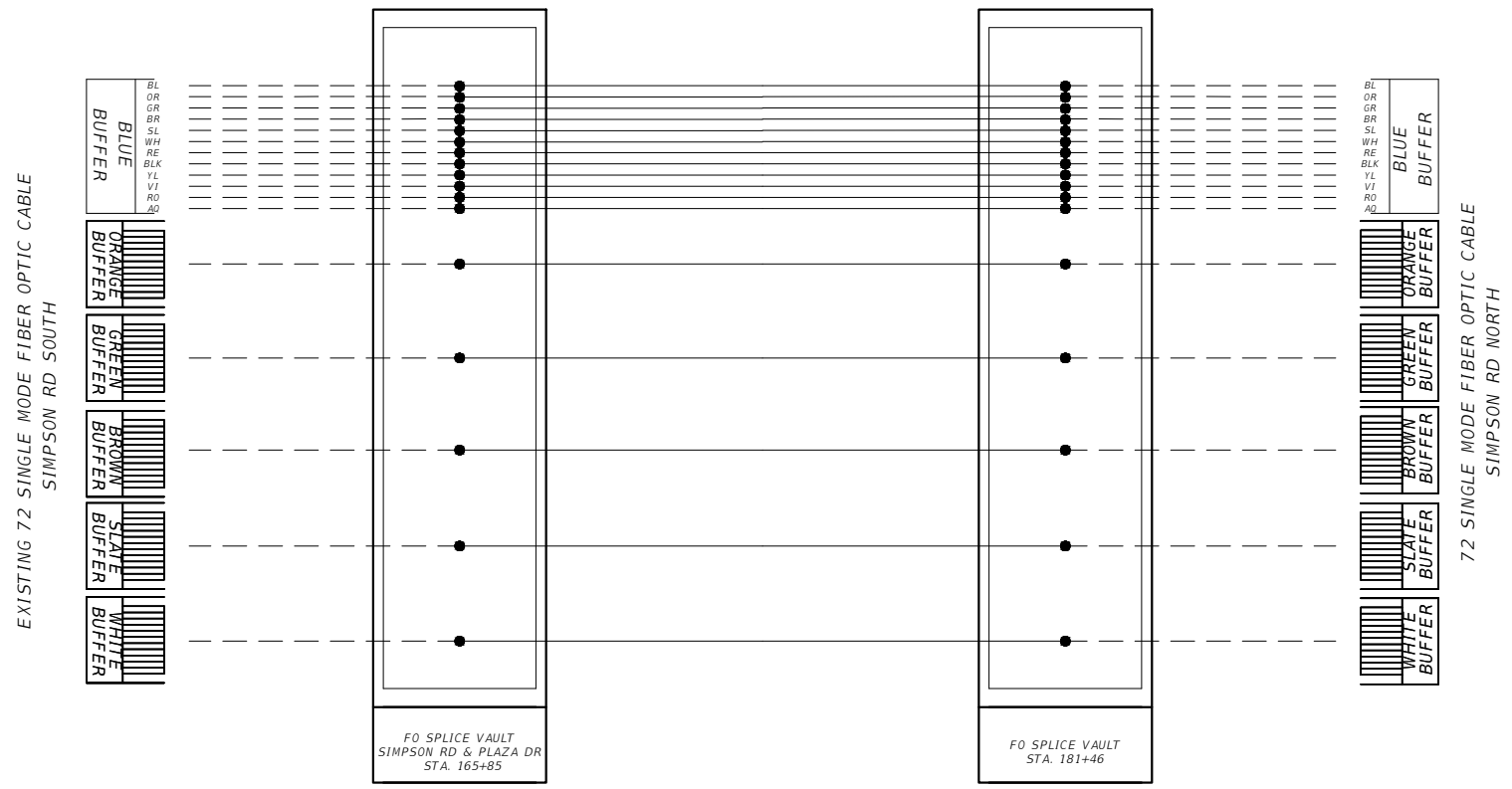
SHEET
NO.
IT-35

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SIMPSON RD - 72 SM FIBER OPTIC CABLE
 ← SOUTH NORTH →

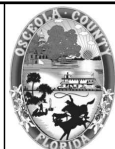
LEGEND:

ETHERNET SWITCH	
PROPOSED	—
EXISTING	- - -
FUSION SPLICE (PROPOSED)	●
FUSION SPLICE (EXISTING)	○
UNTERMINATED FIBER	x



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OSCEOLA COUNTY
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SPLICING DIAGRAM (MOC)

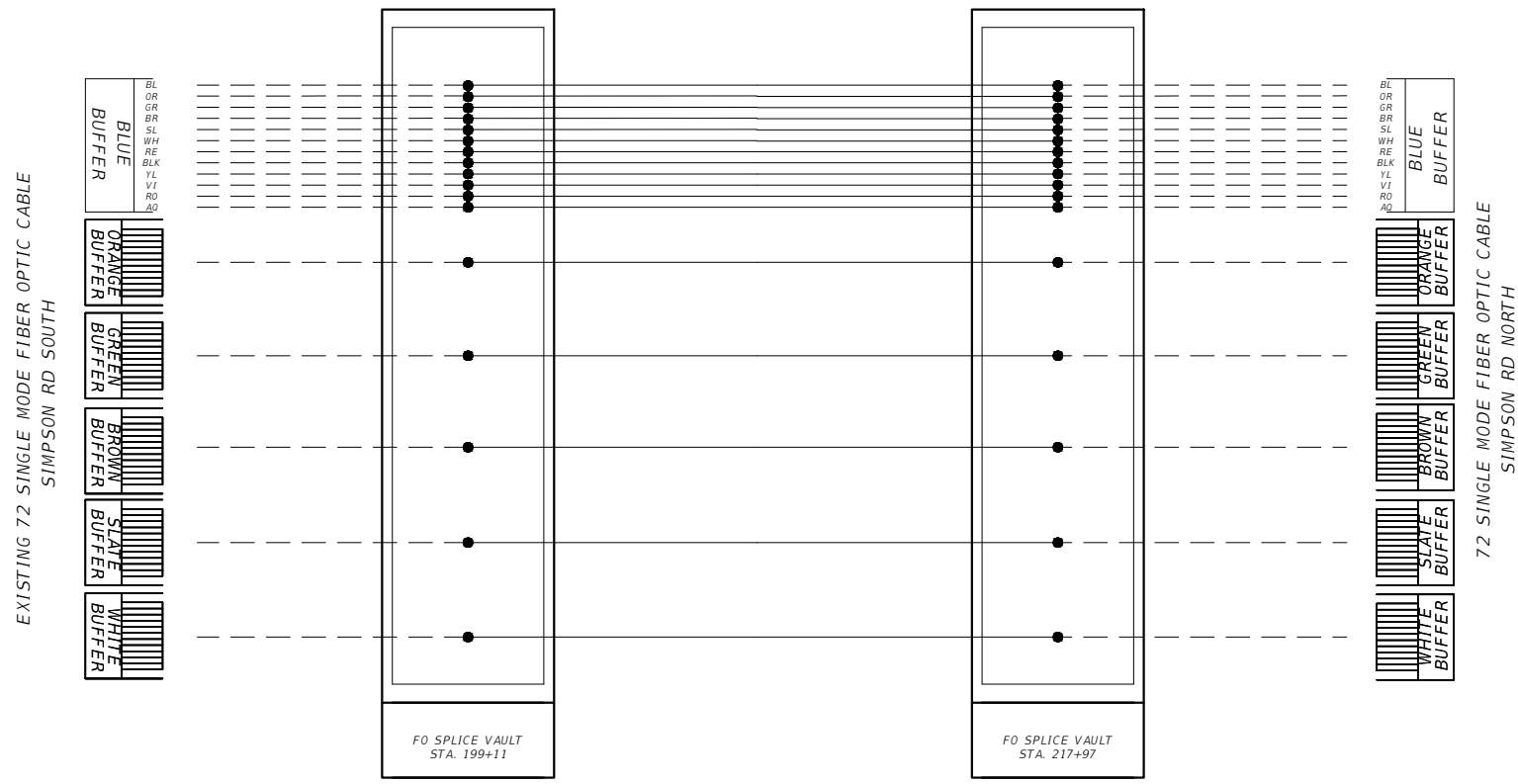
SHEET NO.
IT-36

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SIMPSON RD - 72 SM FIBER OPTIC CABLE
 ← SOUTH NORTH →

LEGEND:

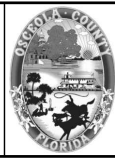
ETHERNET SWITCH	
PROPOSED	—
EXISTING	- - -
FUSION SPLICE (PROPOSED)	●
FUSION SPLICE (EXISTING)	○
UNTERMINATED FIBER	x



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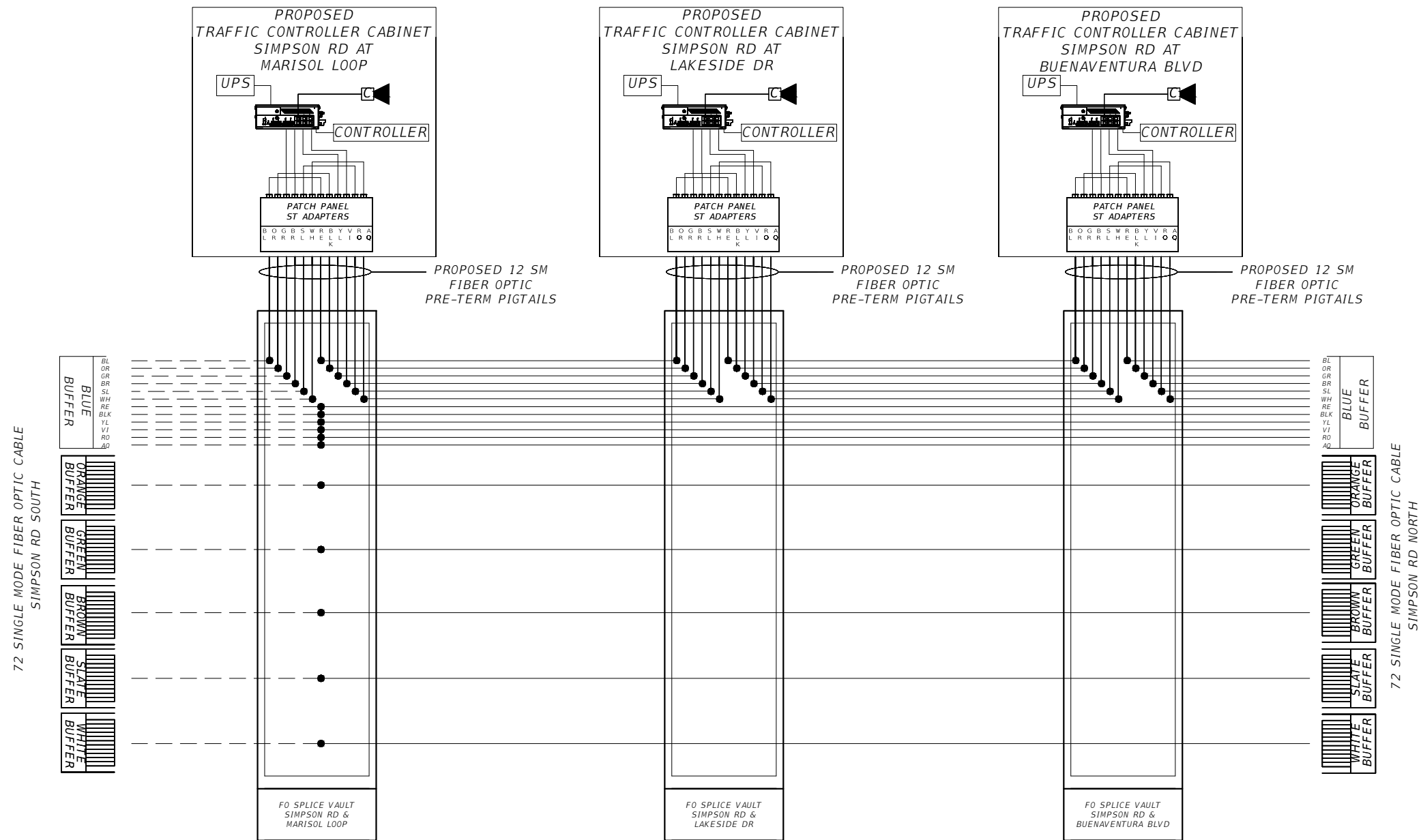
SPLICING DIAGRAM (MOC)

SHEET NO.
 IT-37

SIMPSON RD - 72 SM FIBER OPTIC CABLE
 —SOUTH NORTH—

LEGEND:

ETHERNET SWITCH	
PROPOSED	—
EXISTING	— —
FUSION SPLICE (PROPOSED)	●
FUSION SPLICE (EXISTING)	○
UNTERMINATED FIBER	x



72 SINGLE MODE FIBER OPTIC CABLE
 SIMPSON RD SOUTH

72 SINGLE MODE FIBER OPTIC CABLE
 SIMPSON RD NORTH

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OSCEOLA COUNTY
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SPLICING DIAGRAM

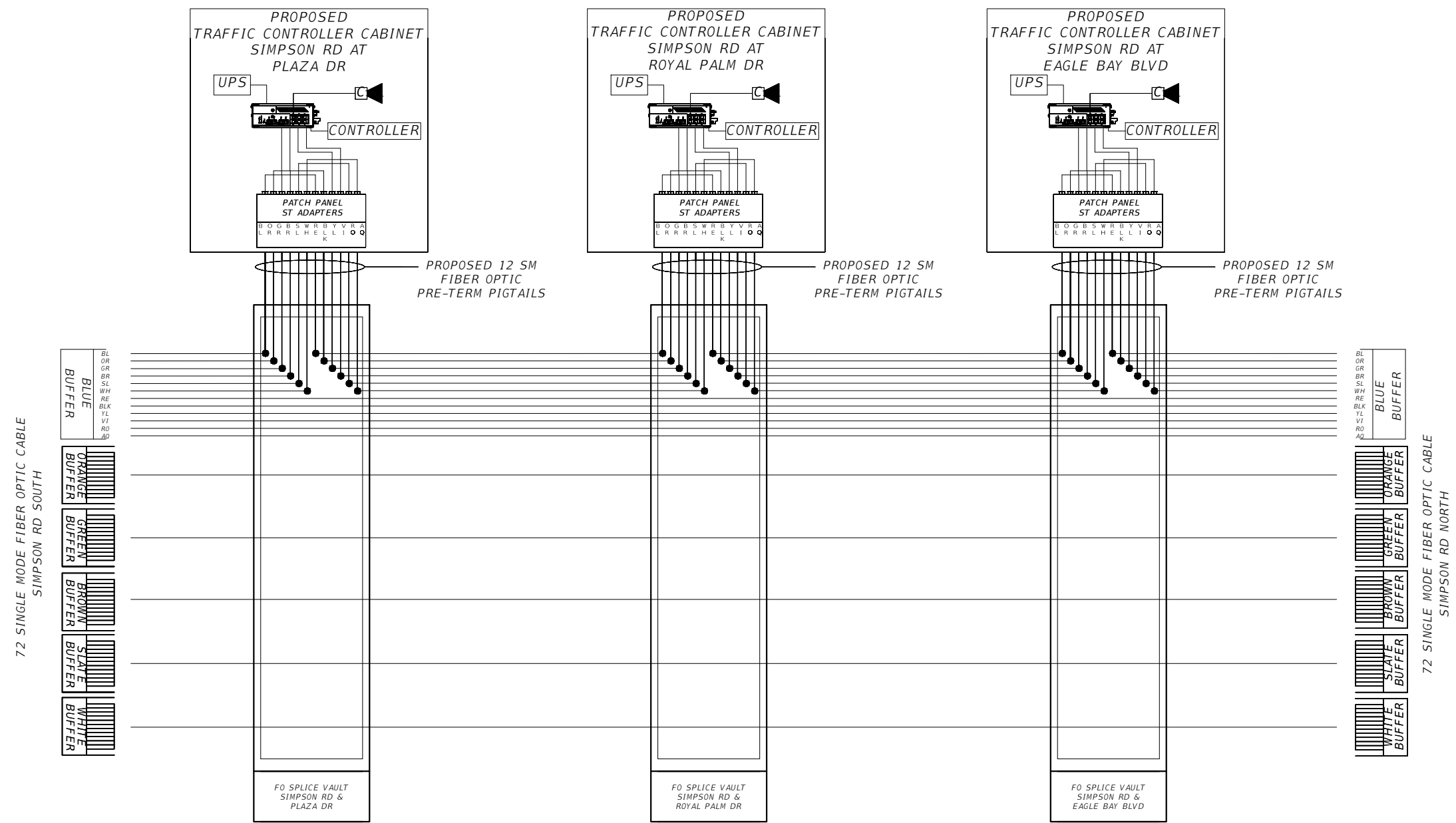
SHEET
 NO.
 IT-38

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SIMPSON RD - 72 SM FIBER OPTIC CABLE
 ← SOUTH NORTH →

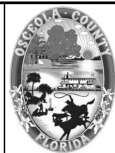
LEGEND:

- ETHERNET SWITCH 
- PROPOSED 
- EXISTING 
- FUSION SPLICE (PROPOSED) 
- FUSION SPLICE (EXISTING) 
- UNTERMINATED FIBER 



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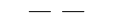


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 FLORIDA

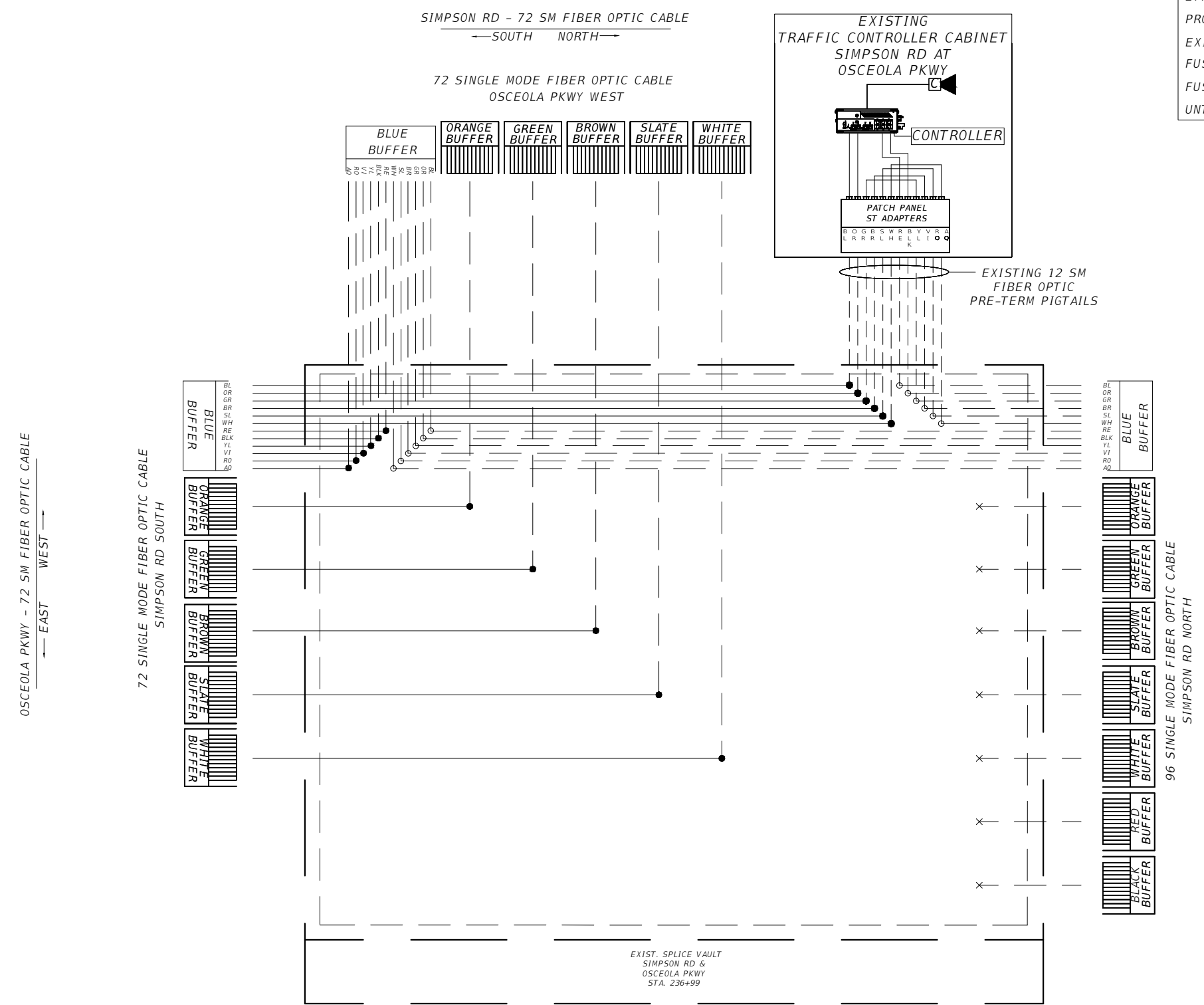
SPLICING DIAGRAM

SHEET NO.
 IT-39

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LEGEND:

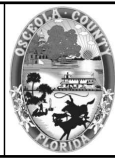
- ETHERNET SWITCH 
- PROPOSED 
- EXISTING 
- FUSION SPLICE (PROPOSED) 
- FUSION SPLICE (EXISTING) 
- UNTERMINATED FIBER 



NOTE: SEE SIMPSON RD IMPROVEMENT PLANS PROJECT FPID 437482-1-54-01

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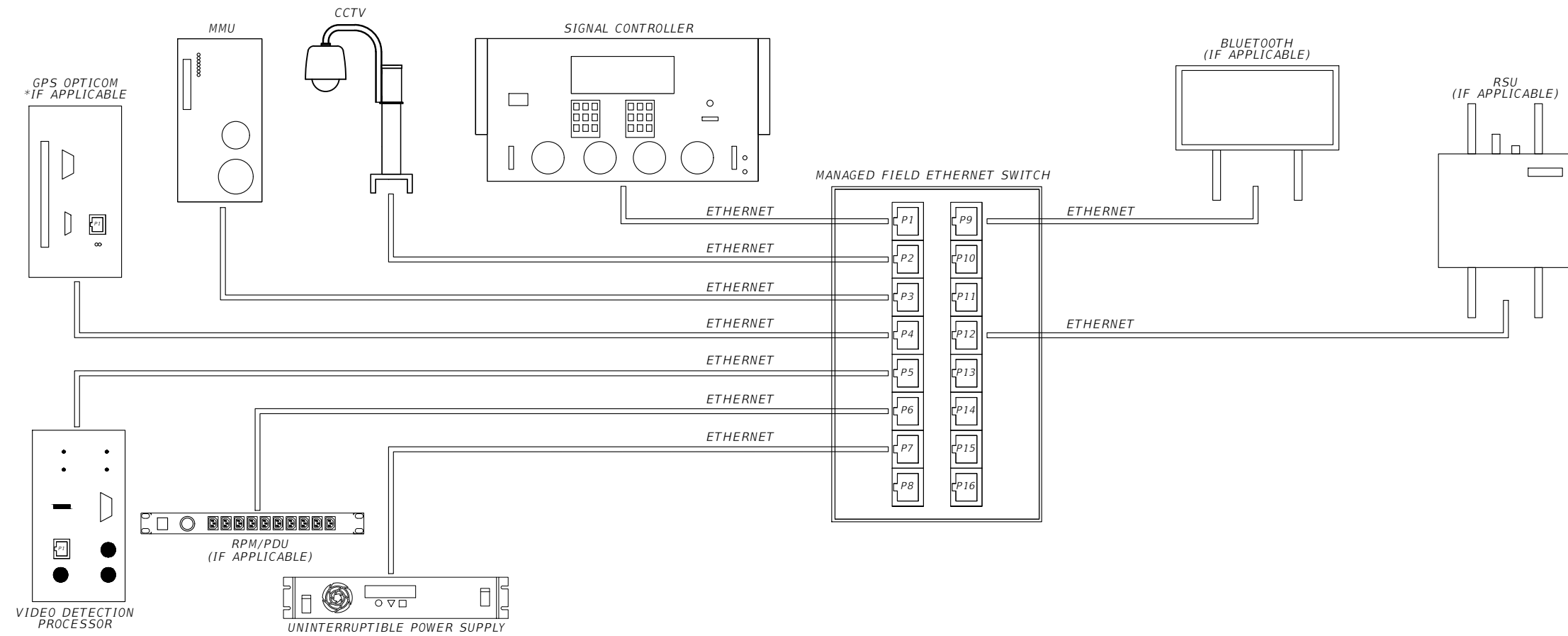
SPLICING DIAGRAM

SHEET NO.
IT-40

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ETHERNET SWITCH PORT ASSIGNMENT:

SIGNAL CONTROLLER	PORT 1
CCTV	PORT 2
MMU	PORT 3
GPS OPTICOM	PORT 4
VIDEO DETECTION	PORT 5
RPM/PDU	PORT 6
UNINTERRUPTIBLE POWER SUPPLY	PORT 7
VIDEO ACCESS PORT	PORT 8
BLUETOOTH	PORT 9
SPARE	PORT 10
MAINTENANCE PORT	PORT 11
RSU	PORT 12

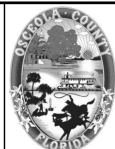


NOTE:

PORT ASSIGNMENTS SHOWN ARE FOR PROPOSED ETHERNET SWITCHES ONLY. CONTRACTOR SHALL MAINTAIN EXISTING ETHERNET SWITCHES PORT ASSIGNMENTS.

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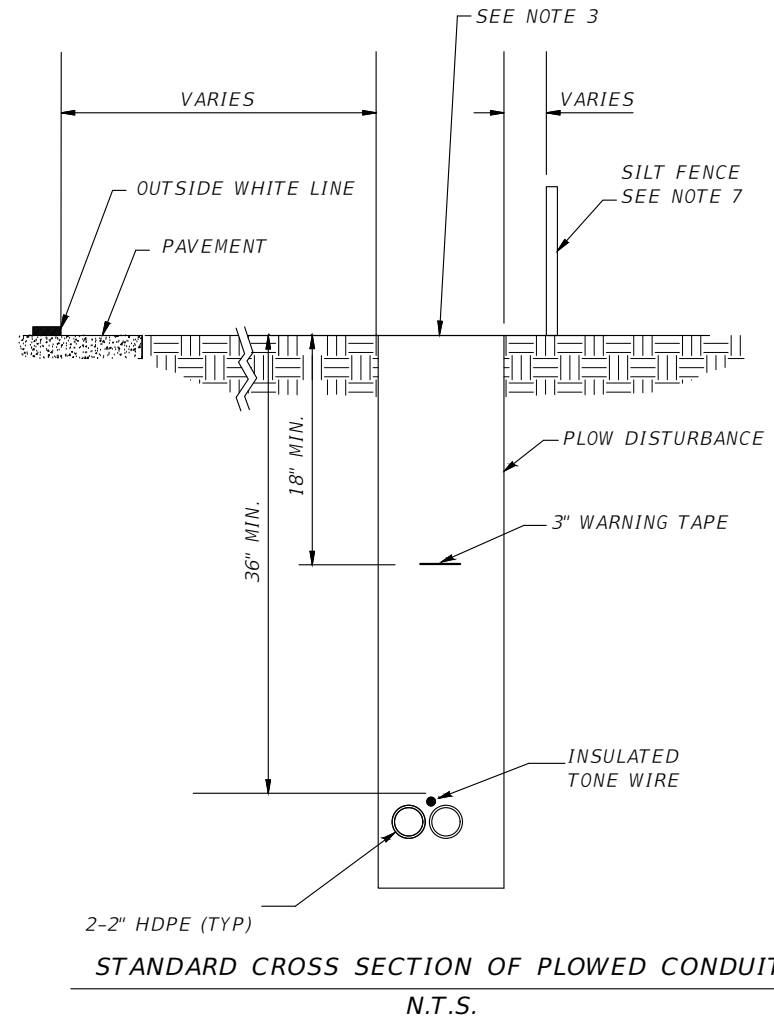
ETHERNET SWITCH DETAIL

SHEET NO.
IT-41

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NOTES:

1. TRAFFIC CONTROL FOR LONGITUDINAL INSTALLATION SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS.
2. A MINIMUM OF 2'- 0" SHALL BE MAINTAINED FROM EXISTING LANDSCAPE FEATURES.
3. CONSTRUCTION CORRIDOR SHALL BE RESTORED TO ORIGINAL OR IMPROVED CONDITION IMMEDIATELY AFTER COMPLETING THE INSTALLATION OF THE CONDUIT.
4. JOINT COUPLINGS WILL BE USED AS NECESSARY.
5. CONDUIT PATH WILL BE ROUTED TO AVOID ANY OBSTRUCTIONS SHOULD OBSTRUCTIONS BE ENCOUNTERED, THE FOLLOWING HIERARCHY WILL BE ADHERED TO:
 - A. ROUTE CONDUIT AROUND OBSTRUCTION USING SWEEPING BENDS.
 - B. IF A CANNOT BE ACCOMPLISHED, CONDUIT ROUTING WILL BE MADE UNDER THE OBSTRUCTION.
 - C. IF A OR B CANNOT BE ACCOMPLISHED, THEN CONDUIT CAN BE INSTALLED PER FDOT CONDUIT INSTALLATION DETAILS INDEX 630-001 SHEET 4.
6. ALL CONCRETE SHALL BE FDOT APPROVED CLASS 1.
7. USE SILT FENCE AS SHOWN IN THE PLANS WHERE WETLANDS ARE PRESENT.



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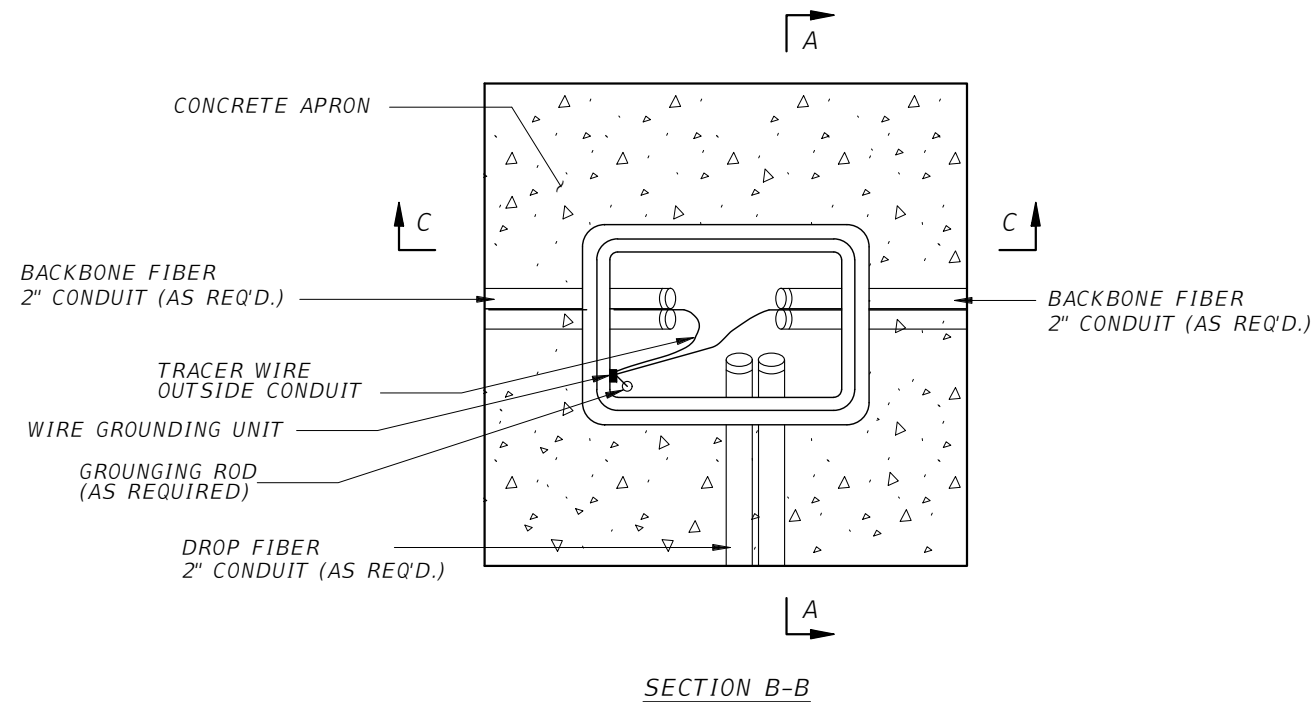

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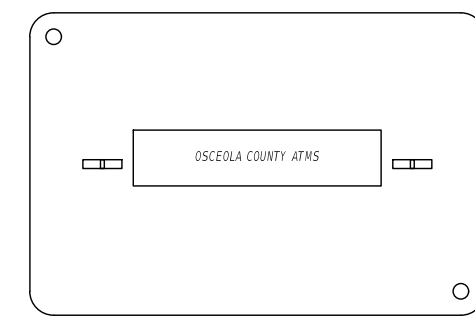
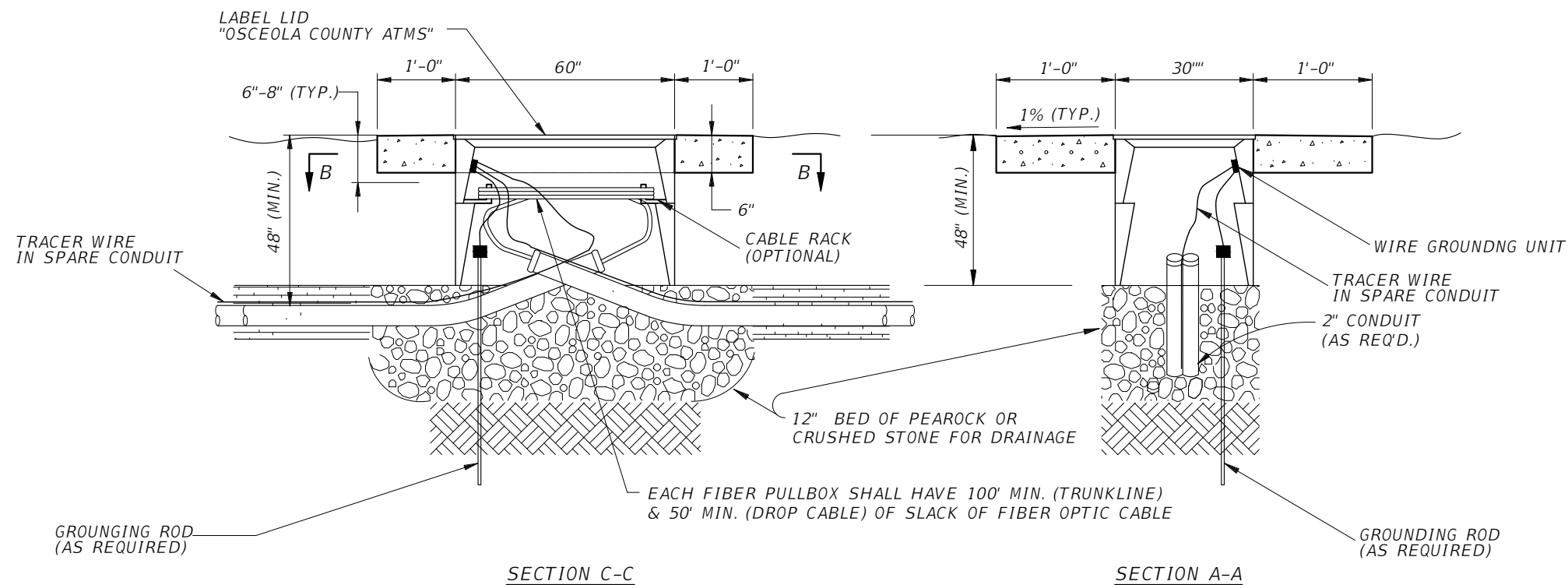
TRENCHING AND PLOWING
DETAILS

SHEET
NO.
IT-42



NOTES:

1. REFER TO FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2020-21 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION FOR PULL BOX REQUIREMENTS.
2. FIBER OPTIC PULL BOXES SHALL NOT CONTAIN ELECTRICAL CONDUIT OR CONDUCTOR. ELECTRICAL CONDUIT AND CONDUCTORS SHALL BE INSTALLED IN SEPARATE PULL BOXES.
3. CONDUIT C/L SHALL BE ALIGNED TO TOP EDGE OF PULL BOX TO FACILITATE CABLE PULLING.
4. ALL PULL BOXES SHALL HAVE MINIMUM 1'-0" WIDE x 6" DEEP CONCRETE APRONS SLOPED AWAY FROM PULL BOX. THE COST OF APRON IS TO BE INCLUDED IN THE COST OF EACH PULL BOX.
5. WIRE GROUNDING UNITS (WGU) FOR TRACER WIRE REQUIRED IN FIBER SPLICE VAULTS.
6. FIBER OPTIC SPLICE BOX SHALL NOT BE INSTALLED IN ROADWAYS OR DRIVEWAYS.
7. FIBER OPTIC SPLICE BOX LENGTH (LONG SIDE) SHALL BE PARALLEL TO THE CONDUIT RUN. WHEN THE CONDUIT RUN IS PERPENDICULAR AT THE JUNCTION POINT, THE SPLICE BOX SHALL BE PARALLEL TO THE ROADWAY.
8. SPARE FIBER OPTIC CABLE IS TO BE WOUND NEATLY AND CAREFULLY, AS NOT TO EXCEED THE MINIMUM ALLOWABLE BENDING RADIUS OF THE FIBER OPTIC CABLE.
9. 5/8" COPPER BONDED GROUND RODS SHALL BE USED (AS REQUIRED).
10. GROUNDING WIRES SHALL BE EXOTHERMICALLY WELDED TO GROUND RODS (AS REQUIRED).
11. NOTE THAT THE DIMENSIONS SHOWN ARE THE TYPICAL DIMENSIONS AND MANY VARY SLIGHTLY DEPENDING ON THE MANUFACTURER.



SPLICE BOX COVER

EACH FIBER PULLBOX SHALL HAVE 100' MIN. (TRUNKLINE) & 50' MIN. (DROP CABLE) OF SLACK OF FIBER OPTIC CABLE

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PE # 74758

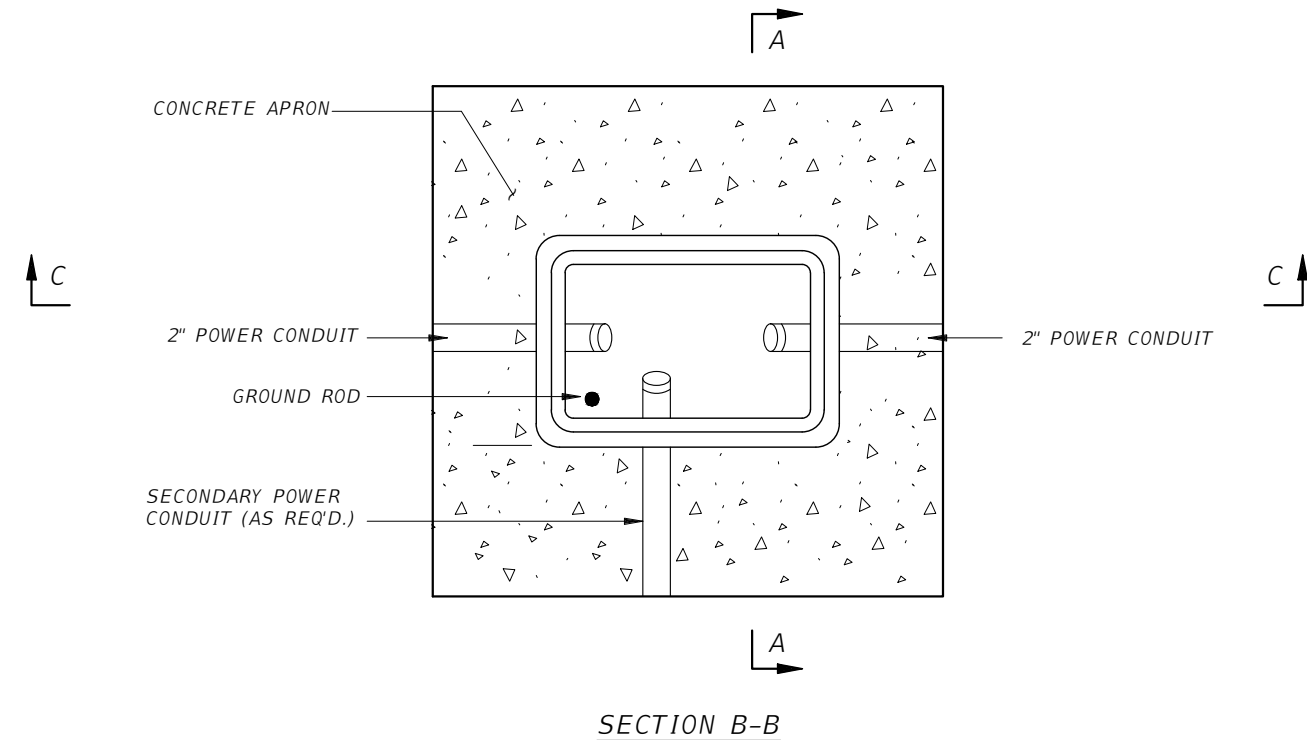


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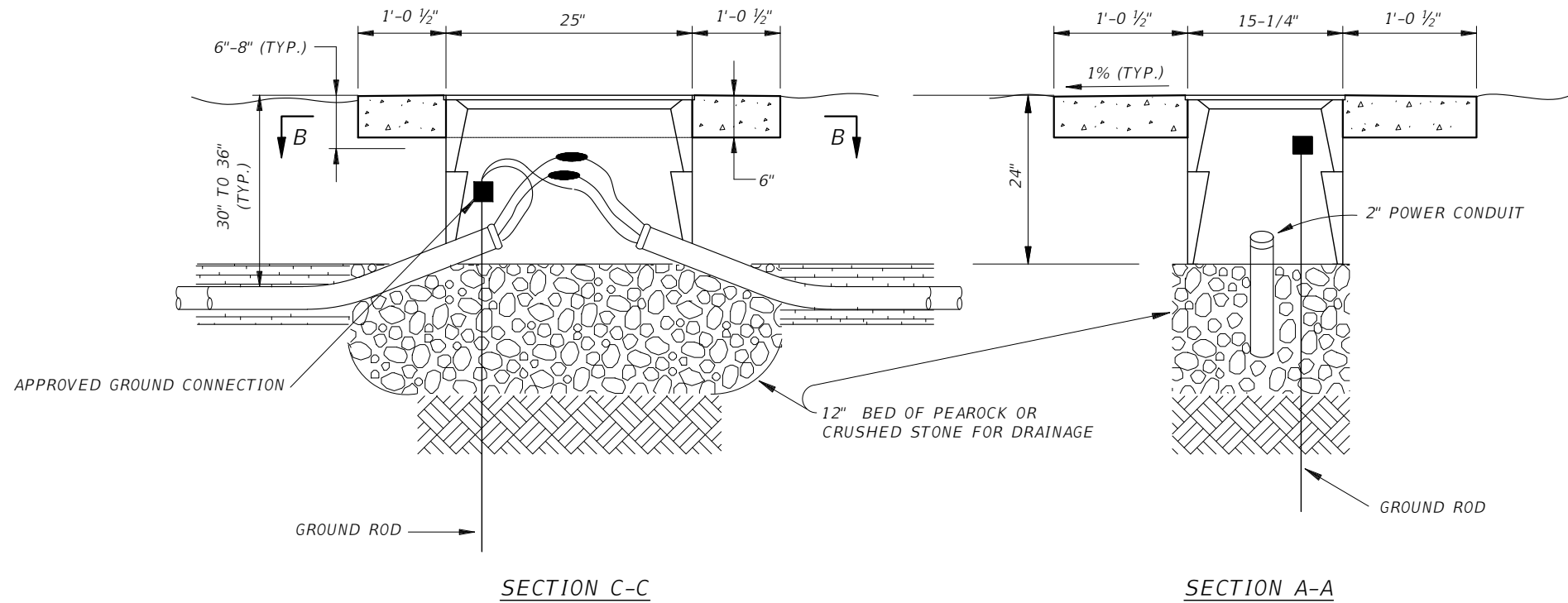
FIBER OPTIC SPLICE BOX
DETAIL

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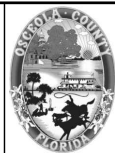


- NOTES:
1. REFER TO FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2020-21 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION FOR PULL BOX REQUIREMENTS.
 2. ELECTRICAL CABLES SHALL BE INSTALLED IN A SEPARATE CONDUIT/PULL BOX SYSTEM FROM THE FIBER OPTIC CONDUIT/PULL BOX SYSTEM. ELECTRICAL AND FIBER OPTIC CONDUITS MAY BE CO-LOCATED WITHIN THE SAME TRENCH AS SHOWN ON THE PLANS.
 3. ALL FIBER OPTIC, SIGNAL, & ELECTRIC PULL BOXES SHALL HAVE MINIMUM 1'-0" WIDE x 6" DEEP CONC APRONS SLOPED AWAY FROM PULL BOX. THE COST OF APRON IS TO BE INCLUDED IN THE COST OF EACH PULL BOX.
 4. ALL SPLICES SHALL BE MADE IN PULLBOX PROPERLY TAPED AND WEATHERPROOFED.
 5. PULL BOXES SHALL BE PER FLORIDA STANDARD PLAN 635-001. PULL BOXES SHALL BE LISTED IN THE FDOT APPROVED PRODUCTS LIST (APL).
 6. PULL BOXES SHALL NOT BE INSTALLED IN ROADWAYS, DRIVEWAYS, PEDESTRIAN RAMPS, OR FLARES UNLESS DIRECTED BY THE ENGINEER.
 7. NOTE THAT DIMENSIONS SHOWN ARE THE TYPICAL DIMENSIONS AND MAY VARY DEPENDING ON MANUFACTURER.



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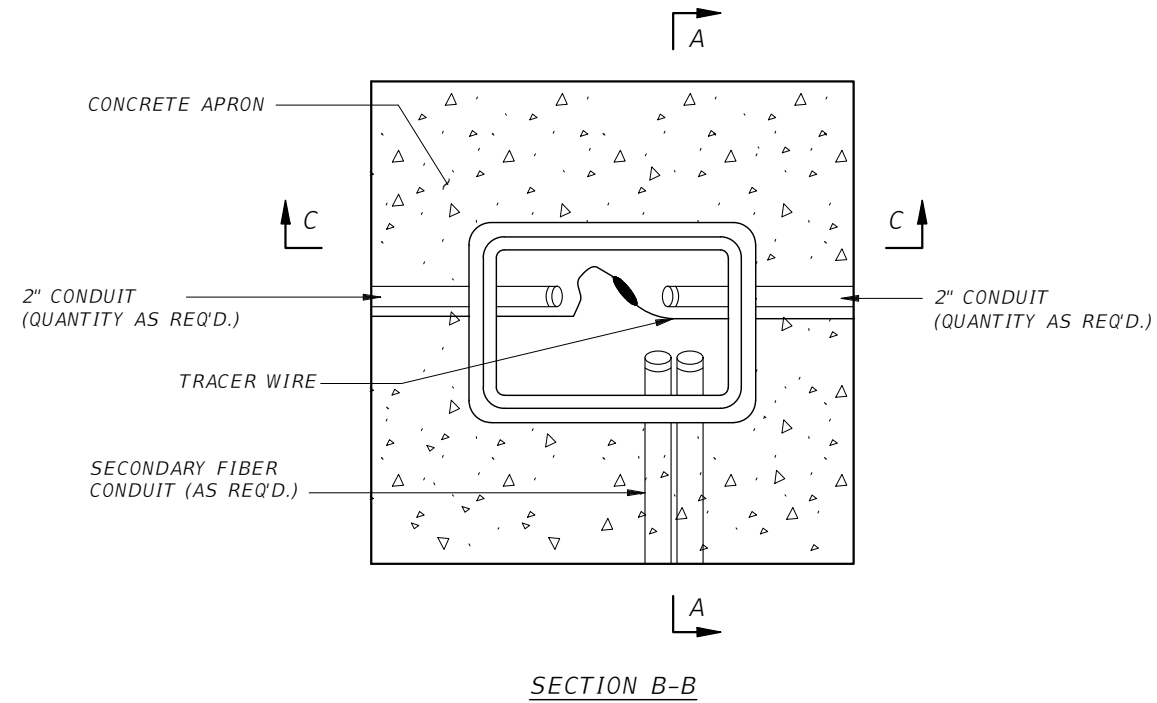


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**ELECTRICAL PULL BOX
DETAIL**

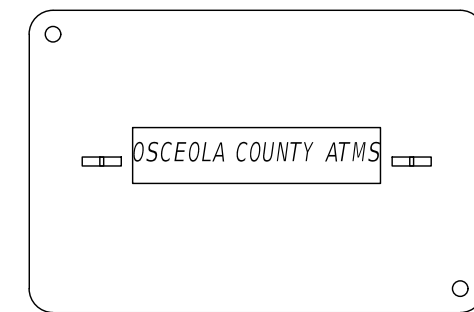
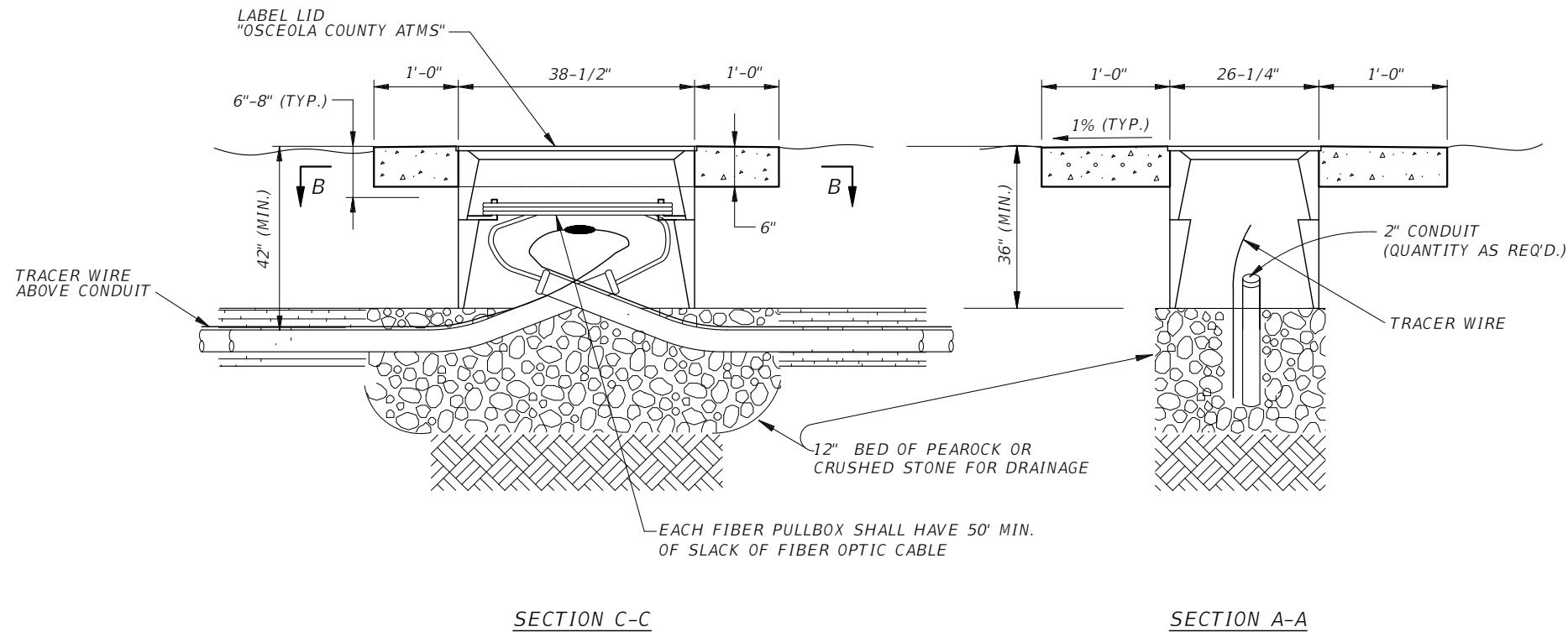
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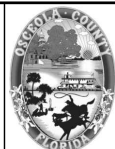
NOTES:

1. REFER TO FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2020-21 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION FOR PULL BOX REQUIREMENTS.
2. FIBER OPTIC PULL BOXES SHALL NOT CONTAIN ELECTRICAL CONDUIT OR CONDUCTOR. ELECTRICAL CONDUIT AND CONDUCTORS SHALL BE INSTALLED IN SEPARATE PULL BOXES.
3. CONDUIT C/L SHALL BE ALIGNED TO TOP EDGE OF PULL BOX TO FACILITATE CABLE PULLING.
4. ALL PULL BOXES SHALL HAVE MINIMUM 1'-0" WIDE x 6" DEEP CONCRETE APRONS SLOPED AWAY FROM PULL BOX. THE COST OF APRON IS TO BE INCLUDED IN THE COST OF EACH PULL BOX.
5. FIBER OPTIC SPLICE BOX SHALL NOT BE INSTALLED IN ROADWAYS OR DRIVEWAYS.
6. SPARE FIBER OPTIC CABLE IS TO BE WOUND NEATLY AND CAREFULLY, AS NOT TO EXCEED THE MINIMUM ALLOWABLE BENDING RADIUS OF THE FIBER OPTIC CABLE.
7. 5/8" COPPER BONDED GROUND RODS SHALL BE USED (AS REQUIRED).
8. GROUNDING WIRES SHALL BE EXOTHERMICALLY WELDED TO GROUND RODS (AS REQUIRED).
9. NOTE THAT THE DIMENSIONS SHOWN ARE THE TYPICAL DIMENSIONS AND MANY VARY SLIGHTLY DEPENDING ON THE MANUFACTURER.



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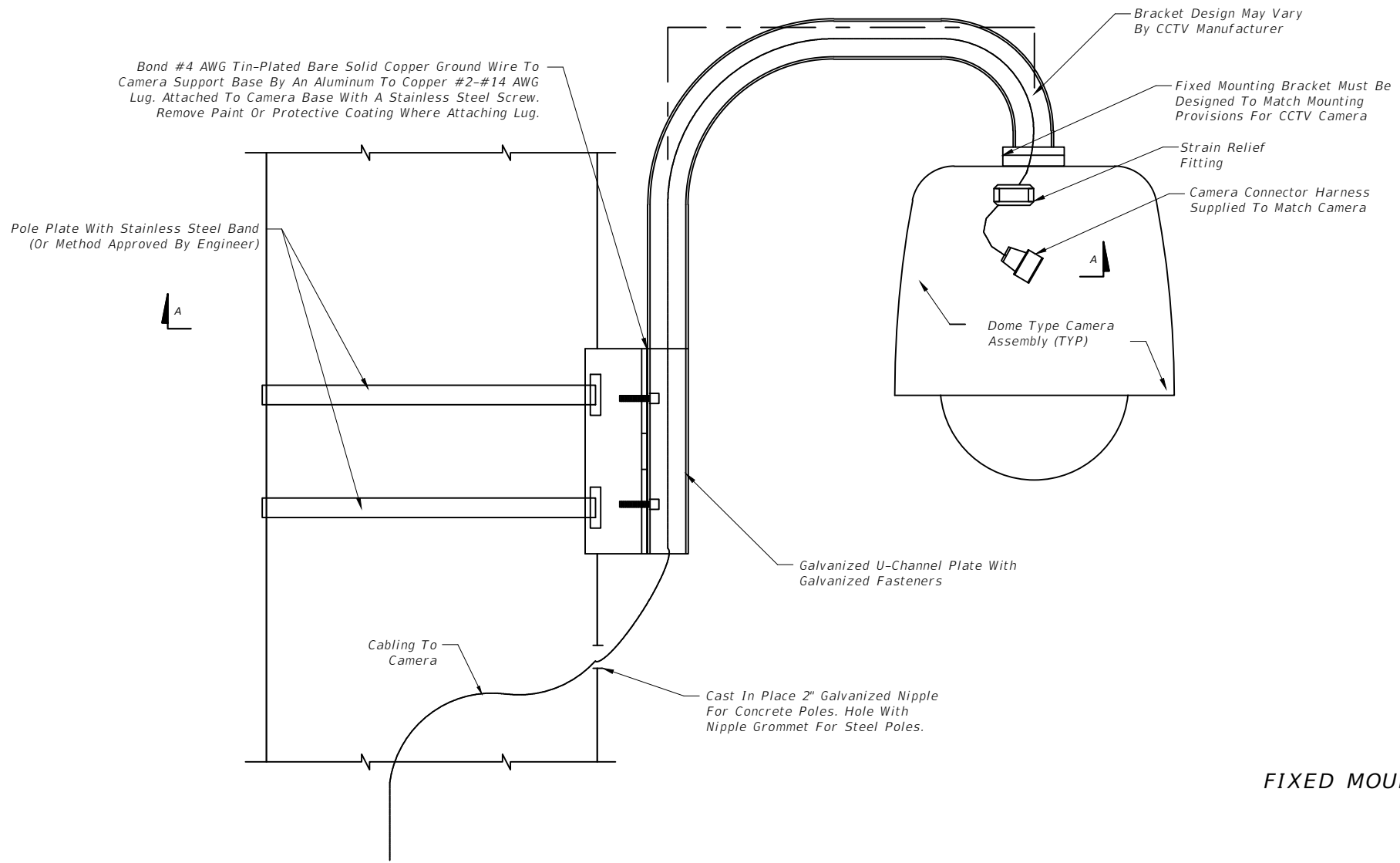


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FIBER PULL BOX DETAIL

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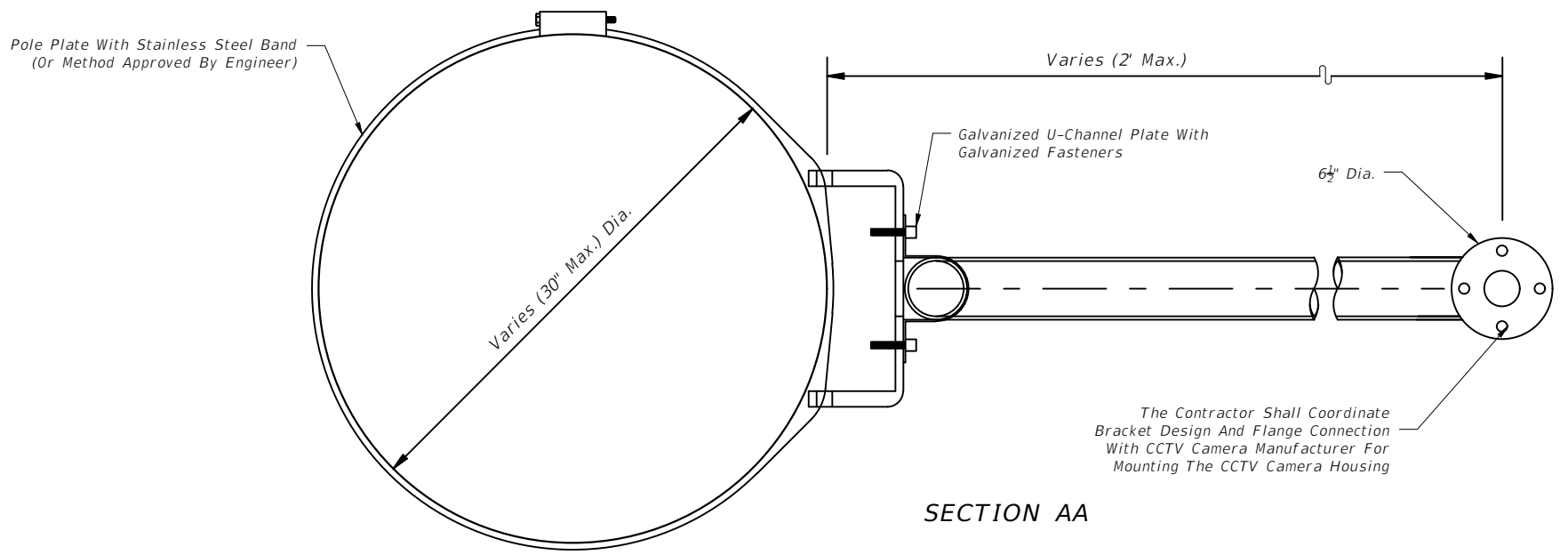
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GENERAL NOTES:

1. Verify the pole type, the dimensions of the pole at the point of installation of the camera mount, and angle with respect to the roadway before manufacturing camera mount assembly.
2. Design camera mounting arm and connection to the pole according to FDOT Structures Manual (current edition).
3. No field welding shall be permitted.
4. Mounting bracket arm shall be level after installation.
5. The contractor shall submit shop drawings for the proposed fixed mounting arm, signed and sealed by a Professional Engineer registered in the State of Florida, to the Engineer for review and approval.
6. Galvanized pipe connections and conduit entry points shall be sealed in accordance with Specification 630.

FIXED MOUNTING BRACKET DETAIL
Not To Scale

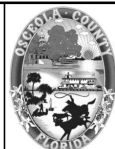


SECTION AA

CAMERA MOUNTING WITH FIXED BRACKET

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**CAMERA MOUNTING
BRACKET DETAIL**

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