

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

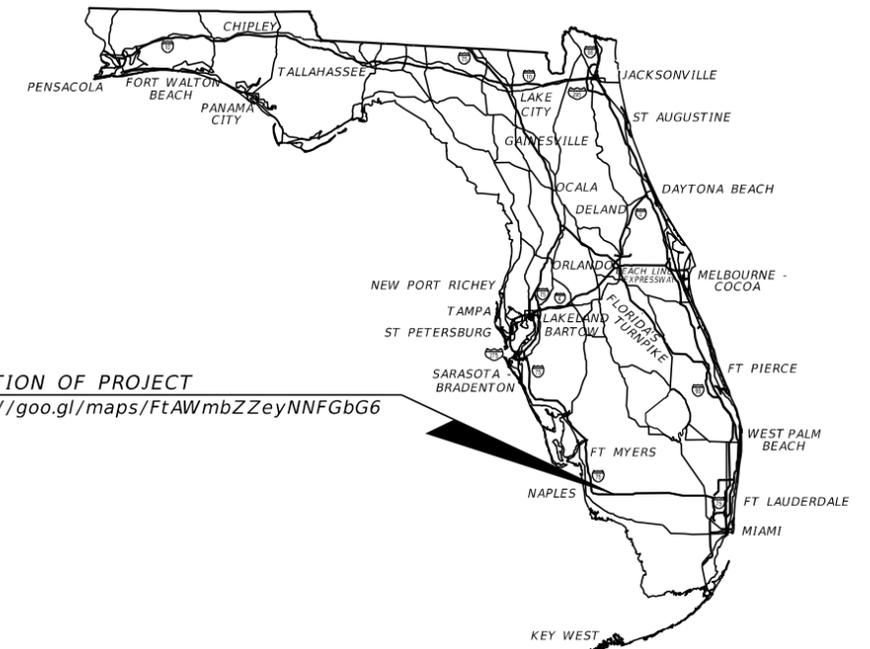
FINANCIAL PROJECT ID 444008-3-52-01

COLLIER COUNTY (03175)
STATE ROAD NO. 93 (INTERSTATE 75)

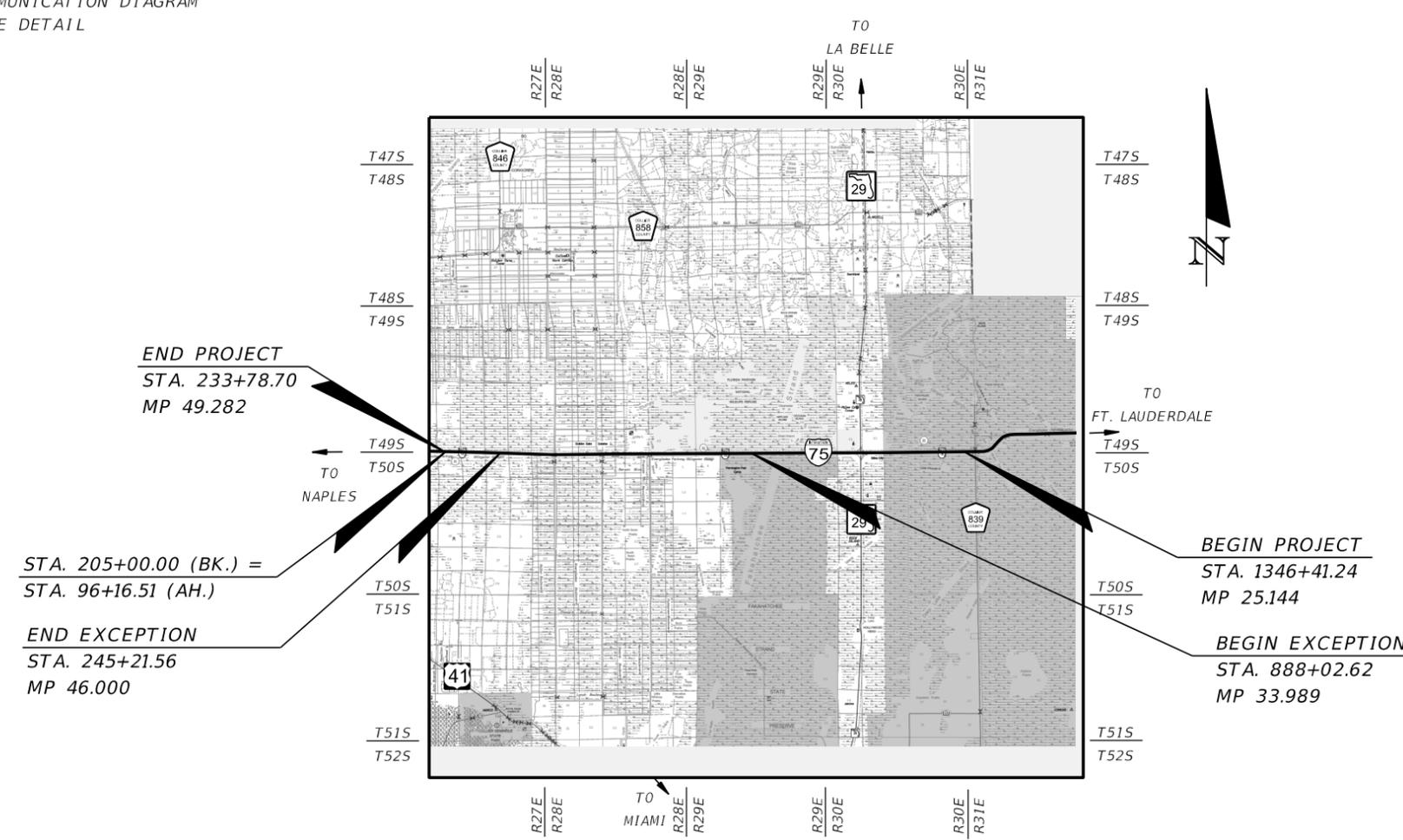
INTELLIGENT TRANSPORTATION
SYSTEMS (ITS) PLANS

INDEX OF INTELLIGENT TRANSPORTATION
SYSTEMS (ITS) PLANS

SHEET NO.	SHEET DESCRIPTION
IT-1	KEY SHEET
IT-2	SIGNATURE SHEET
IT-3 - IT-6	TABULATION OF QUANTITIES
IT-7	GENERAL NOTES
IT-8 - IT-33	INTELLIGENT TRANSPORTATION SYSTEMS PLANS
IT-34 - IT-40	WWVDS DETAIL
IT-41	SPLICE DIAGRAM
IT-42	WWVDS NETWORK COMMUNICATION DIAGRAM
IT-43 - IT-44	ELECTRICAL SERVICE DETAIL



LOCATION OF PROJECT
<https://goo.gl/maps/FtAWmbZZeyNNFGbG6>



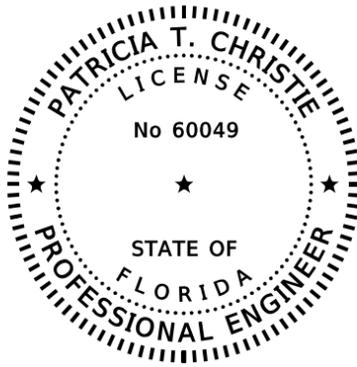
INTELLIGENT TRANSPORTATION
SYSTEMS (ITS) PLANS
ENGINEER OF RECORD:

PATRICIA T. CHRISTIE, P.E. NO.: 60049
FALLER, DAVIS & ASSOCIATES, INC.
4200 W. CYPRESS ST., SUITE 500
TAMPA, FLORIDA 33607-4168
(813) 261-5136
CONTRACT NO. CA632
VENDOR NO. F592594956001

FDOT PROJECT MANAGER:
SEAN PUGH, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E1V05	23	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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ON THE DATE ADJACENT TO THE SEAL

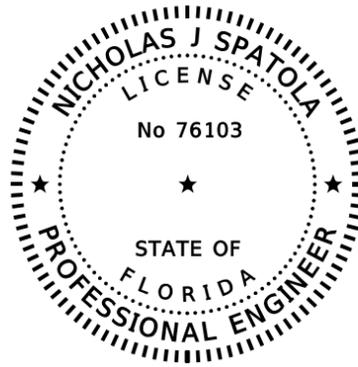
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FALLER, DAVIS & ASSOCIATES, INC.
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TAMPA, FLORIDA 33607-4168
PATRICIA T. CHRISTIE, P.E. NO.: 60049

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

INDEX OF INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLANS

SHEET NO.	SHEET DESCRIPTION
IT-1	KEY SHEET
IT-2	SIGNATURE SHEET
IT-3 - IT-6	TABULATION OF QUANTITIES
IT-7	GENERAL NOTES
IT-8 - IT-33	INTELLIGENT TRANSPORTATION SYSTEMS PLANS



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ON THE DATE ADJACENT TO THE SEAL

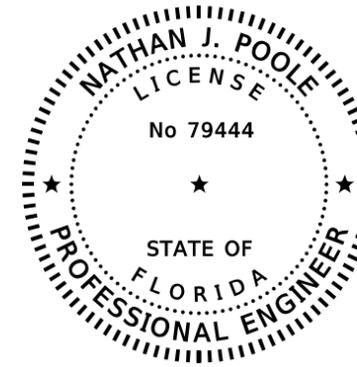
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FALLER, DAVIS & ASSOCIATES, INC.
2301 MAITLAND CENTER PKWY., SUITE 265
MAITLAND, FLORIDA 32751
NICHOLAS J. SPATOLA, P.E. 76103

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

INDEX OF INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLANS

SHEET NO.	SHEET DESCRIPTION
IT-2	SIGNATURE SHEET
IT-34 - IT-40	WWVDS DETAIL
IT-41	SPLICE DIAGRAM
IT-42	WWVDS NETWORK COMMUNICATION DIAGRAM



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ON THE DATE ADJACENT TO THE SEAL

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VIBE
6914 WEST LINBAUGH AVENUE
TAMPA, FL 33625
NATHAN J. POOLE, P.E. 79444

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

INDEX OF INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLANS

SHEET NO.	SHEET DESCRIPTION
IT-2	SIGNATURE SHEET
IT-43 - IT-44	ELECTRICAL SERVICE DETAIL

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 93	COLLIER		444008-3-52-01

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		
611-1-1	ITSFM SUBSURFACE DOCUMENTATION - PROJECT LENGTH	MI																
611-2-2	ITSFM LOCATION DOCUMENTATION - ITS SITE	EA																
630-2-11	CONDUIT (F&I) (OPEN TRENCH)	LF																
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	LF																
633-1-121	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (2-12 FIBERS)	LF																
633-1-124	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (97-144 FIBERS)	LF	490		5880		5860		3385								15615	
633-2-32	FIBER OPTIC CONNECTION (INSTALL) (TERMINATION)	EA																
633-3-14	FIBER OPTIC CONNECTION HARDWARE (F&I) (BUFFER TUBE FAN OUT KIT)	EA																
633-3-16	FIBER OPTIC CONNECTION HARDWARE (F&I) (FIELD TERMINATED PATCH PANEL)	EA																
633-3-46	FIBER OPTIC CONNECTION HARDWARE (RELOCATE) (FIELD TERMINATED PATCH PANEL)	EA																
633-6	FIBER OPTIC CABLE LOCATOR	DA																
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE (F&I)	LF																
635-2-11	PULL & SPLICE BOX (F&I) (13" X 24" COVER SIZE)	EA																
635-2-12	PULL & SPLICE BOX (F&I) (24" X 36" COVER SIZE)	EA																
639-1-123	ELECTRICAL POWER SERVICE (F&I) (UNDERGROUND) (METER NOT REQUIRED)	AS																
639-2-1	ELECTRICAL SERVICE WIRE (F&I)	LF																
639-3-11	ELECTRICAL SERVICE DISCONNECT (F&I) (POLE MOUNT)	EA																
639-6-1	ELECTRICAL POWER SERVICE (F&I) (TRANSFORMER)	EA																
641-2-12	PRESTRESSED CONCRETE POLE (F&I) (TYPE P-11A SERVICE POLE)	EA																
660-3-41	VEHICLE DETECTION SYSTEM (MICROWAVE) (RELOCATE CABINET EQUIPMENT)	EA																
660-7-21	VEHICLE DETECTION SYSTEM (WRONG WAY FOR EXIT RAMP) (1 OR 2 LANES) (AC POWERED)	EA																
676-2-122	ITS CABINET (F&I) (POLE MOUNT WITH SUNSHIELD) (336S) (24"W X 46"H X 22"D)	EA																
676-2-143	ITS CABINET (F&I) (BASE MOUNT) (334) (24"W X 66"H X 30"D)	EA																
676-2-600	ITS CABINET (REMOVE)	EA																
682-1-500	ITS CCTV CAMERA (ADJUST/MODIFY)	EA																
684-1-1	MANAGED FIELD ETHERNET SWITCH (F&I)	EA																
684-1-6	MANAGED FIELD ETHERNET SWITCH (REMOVE - CABINET TO REMAIN)	EA																
684-5-4	MEDIA CONVERTER (RELOCATE)	EA																
685-1-11	UNINTERRUPTIBLE POWER SUPPLY (F&I) (LINE INTERACTIVE)	EA																
685-1-12	UNINTERRUPTIBLE POWER SUPPLY (F&I) (ONLINE/DOUBLE CONVERSION)	EA																
685-1-60	UNINTERRUPTIBLE POWER SUPPLY (F&I) (REMOVE - POLE/CABINET TO REMAIN)	EA																
685-2-1	REMOTE POWER MANAGEMENT UNIT - RPMU (F&I)	EA																
700-1-11	SINGLE POST SIGN (F&I) (GROUND MOUNT) (UP TO 12 SF)	AS																
700-1-60	SINGLE POST SIGN (REMOVE)	AS																
700-6-11	HIGHLIGHTED SIGN (F&I) (GROUND MOUNT) (UP TO 12 SF)	AS																
700-13-12	RETROFLECTIVE SIGN STRIP (F&I) (2')	EA																
700-13-15	RETROFLECTIVE SIGN STRIP (F&I) (5')	EA																

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

TABULATION OF QUANTITIES
 (1)

SHEET NO.
 IT-3

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

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				
611-1-1	ITSFM SUBSURFACE DOCUMENTATION - PROJECT LENGTH	MI																
611-2-2	ITSFM LOCATION DOCUMENTATION - ITS SITE	EA																
630-2-11	CONDUIT (F&I) (OPEN TRENCH)	LF																
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	LF																
633-1-121	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (2-12 FIBERS)	LF																
633-1-124	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (97-144 FIBERS)	LF																
633-2-32	FIBER OPTIC CONNECTION (INSTALL) (TERMINATION)	EA																
633-3-14	FIBER OPTIC CONNECTION HARDWARE (F&I) (BUFFER TUBE FAN OUT KIT)	EA																
633-3-16	FIBER OPTIC CONNECTION HARDWARE (F&I) (FIELD TERMINATED PATCH PANEL)	EA																
633-3-46	FIBER OPTIC CONNECTION HARDWARE (RELOCATE) (FIELD TERMINATED PATCH PANEL)	EA																
633-6	FIBER OPTIC CABLE LOCATOR	DA																
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE (F&I)	LF																
635-2-11	PULL & SPLICE BOX (F&I) (13" X 24" COVER SIZE)	EA																
635-2-12	PULL & SPLICE BOX (F&I) (24" X 36" COVER SIZE)	EA																
639-1-123	ELECTRICAL POWER SERVICE (F&I) (UNDERGROUND) (METER NOT REQUIRED)	AS																
639-2-1	ELECTRICAL SERVICE WIRE (F&I)	LF																
639-3-11	ELECTRICAL SERVICE DISCONNECT (F&I) (POLE MOUNT)	EA																
639-6-1	ELECTRICAL POWER SERVICE (F&I) (TRANSFORMER)	EA																
641-2-12	PRESTRESSED CONCRETE POLE (F&I) (TYPE P-11A SERVICE POLE)	EA																
660-3-41	VEHICLE DETECTION SYSTEM (MICROWAVE) (RELOCATE CABINET EQUIPMENT)	EA																
660-7-21	VEHICLE DETECTION SYSTEM (WRONG WAY FOR EXIT RAMP) (1 OR 2 LANES) (AC POWERED)	EA																
676-2-122	ITS CABINET (F&I) (POLE MOUNT WITH SUNSHIELD) (336S) (24"W X 46"H X 22"D)	EA																
676-2-143	ITS CABINET (F&I) (BASE MOUNT) (334) (24"W X 66"H X 30"D)	EA																
676-2-600	ITS CABINET (REMOVE)	EA																
682-1-500	ITS CCTV CAMERA (ADJUST/MODIFY)	EA																
684-1-1	MANAGED FIELD ETHERNET SWITCH (F&I)	EA																
684-1-6	MANAGED FIELD ETHERNET SWITCH (REMOVE - CABINET TO REMAIN)	EA																
684-5-4	MEDIA CONVERTER (RELOCATE)	EA																
685-1-11	UNINTERRUPTIBLE POWER SUPPLY (F&I) (LINE INTERACTIVE)	EA																
685-1-12	UNINTERRUPTIBLE POWER SUPPLY (F&I) (ONLINE/DOUBLE CONVERSION)	EA																
685-1-60	UNINTERRUPTIBLE POWER SUPPLY (F&I) (REMOVE - POLE/CABINET TO REMAIN)	EA																
685-2-1	REMOTE POWER MANAGEMENT UNIT - RPMU (F&I)	EA																
700-1-11	SINGLE POST SIGN (F&I) (GROUND MOUNT) (UP TO 12 SF)	AS																
700-1-60	SINGLE POST SIGN (REMOVE)	AS																
700-6-11	HIGHLIGHTED SIGN (F&I) (GROUND MOUNT) (UP TO 12 SF)	AS																
700-13-12	RETROFLECTIVE SIGN STRIP (F&I) (2')	EA																
700-13-15	RETROFLECTIVE SIGN STRIP (F&I) (5')	EA																

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

TABULATION OF QUANTITIES
 (2)

SHEET NO.
 IT-4

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET	
			IT-22		IT-23		IT-24		IT-25		IT-26		IT-27		IT-28		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
611-1-1	ITSFM SUBSURFACE DOCUMENTATION - PROJECT LENGTH	MI																
611-2-2	ITSFM LOCATION DOCUMENTATION - ITS SITE	EA														1	1	
630-2-11	CONDUIT (F&I) (OPEN TRENCH)	LF														325	325	
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	LF														1055	1055	
633-1-121	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (2-12 FIBERS)	LF														1310	1310	
633-1-124	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (97-144 FIBERS)	LF					3920		5660		5915					5915	27285	
633-2-32	FIBER OPTIC CONNECTION (INSTALL) (TERMINATION)	EA														24	24	
633-3-14	FIBER OPTIC CONNECTION HARDWARE (F&I) (BUFFER TUBE FAN OUT KIT)	EA														2	2	
633-3-16	FIBER OPTIC CONNECTION HARDWARE (F&I) (FIELD TERMINATED PATCH PANEL)	EA														1	1	
633-3-46	FIBER OPTIC CONNECTION HARDWARE (RELOCATE) (FIELD TERMINATED PATCH PANEL)	EA														1	1	
633-6	FIBER OPTIC CABLE LOCATOR	DA																
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE (F&I)	LF																
635-2-11	PULL & SPLICE BOX (F&I) (13" X 24" COVER SIZE)	EA														3	3	
635-2-12	PULL & SPLICE BOX (F&I) (24" X 36" COVER SIZE)	EA																
639-1-123	ELECTRICAL POWER SERVICE (F&I) (UNDERGROUND) (METER NOT REQUIRED)	AS														1	1	
639-2-1	ELECTRICAL SERVICE WIRE (F&I)	LF														1450	1450	
639-3-11	ELECTRICAL SERVICE DISCONNECT (F&I) (POLE MOUNT)	EA														1	1	
639-6-1	ELECTRICAL POWER SERVICE (F&I) (TRANSFORMER)	EA														1	1	
641-2-12	PRESTRESSED CONCRETE POLE (F&I) (TYPE P-11A SERVICE POLE)	EA														1	1	
660-3-41	VEHICLE DETECTION SYSTEM (MICROWAVE) (RELOCATE CABINET EQUIPMENT)	EA														2	2	
660-7-21	VEHICLE DETECTION SYSTEM (WRONG WAY FOR EXIT RAMP) (1 OR 2 LANES) (AC POWERED)	EA																
676-2-122	ITS CABINET (F&I) (POLE MOUNT WITH SUNSHIELD) (336S) (24"W X 46"H X 22"D)	EA														1	1	
676-2-143	ITS CABINET (F&I) (BASE MOUNT) (334) (24"W X 66"H X 30"D)	EA																
676-2-600	ITS CABINET (REMOVE)	EA														1	1	
682-1-500	ITS CCTV CAMERA (ADJUST/MODIFY)	EA														1	1	
684-1-1	MANAGED FIELD ETHERNET SWITCH (F&I)	EA														1	1	
684-1-6	MANAGED FIELD ETHERNET SWITCH (REMOVE - CABINET TO REMAIN)	EA														1	1	
684-5-4	MEDIA CONVERTER (RELOCATE)	EA														2	2	
685-1-11	UNINTERRUPTIBLE POWER SUPPLY (F&I) (LINE INTERACTIVE)	EA														1	1	
685-1-12	UNINTERRUPTIBLE POWER SUPPLY (F&I) (ONLINE/DOUBLE CONVERSION)	EA																
685-1-60	UNINTERRUPTIBLE POWER SUPPLY (F&I) (REMOVE - POLE/CABINET TO REMAIN)	EA														1	1	
685-2-1	REMOTE POWER MANAGEMENT UNIT - RPMU (F&I)	EA																
700-1-11	SINGLE POST SIGN (F&I) (GROUND MOUNT) (UP TO 12 SF)	AS																
700-1-60	SINGLE POST SIGN (REMOVE)	AS																
700-6-11	HIGHLIGHTED SIGN (F&I) (GROUND MOUNT) (UP TO 12 SF)	AS																
700-13-12	RETROFLECTIVE SIGN STRIP (F&I) (2')	EA																
700-13-15	RETROFLECTIVE SIGN STRIP (F&I) (5')	EA																

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

TABULATION OF QUANTITIES
(3)

SHEET NO.
 IT-5

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL		
			IT-29		IT-30		IT-31		IT-32		IT-33		PLAN	FINAL	PLAN	FINAL			
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL							
611-1-1	ITSFM SUBSURFACE DOCUMENTATION - PROJECT LENGTH	MI																12.050	
611-2-2	ITSFM LOCATION DOCUMENTATION - ITS SITE	EA							1		1							2	3
630-2-11	CONDUIT (F&I) (OPEN TRENCH)	LF							450		470							920	1245
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	LF							255		355							610	1665
633-1-121	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (2-12 FIBERS)	LF							220		320							540	1850
633-1-124	FIBER OPTIC CABLE (F&I) (UNDERGROUND) (97-144 FIBERS)	LF	5910		5860		3005											14775	57675
633-2-32	FIBER OPTIC CONNECTION (INSTALL) (TERMINATION)	EA							12		12							24	48
633-3-14	FIBER OPTIC CONNECTION HARDWARE (F&I) (BUFFER TUBE FAN OUT KIT)	EA							1		1							2	4
633-3-16	FIBER OPTIC CONNECTION HARDWARE (F&I) (FIELD TERMINATED PATCH PANEL)	EA							1		1							2	3
633-3-46	FIBER OPTIC CONNECTION HARDWARE (RELOCATE) (FIELD TERMINATED PATCH PANEL)	EA																	1
633-6	FIBER OPTIC CABLE LOCATOR	DA																	350
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE (F&I)	LF							380		385							765	765
635-2-11	PULL & SPLICE BOX (F&I) (13" X 24" COVER SIZE)	EA							6		6							12	15
635-2-12	PULL & SPLICE BOX (F&I) (24" X 36" COVER SIZE)	EA							1		1							2	2
639-1-123	ELECTRICAL POWER SERVICE (F&I) (UNDERGROUND) (METER NOT REQUIRED)	AS																	1
639-2-1	ELECTRICAL SERVICE WIRE (F&I)	LF							395		525							920	2370
639-3-11	ELECTRICAL SERVICE DISCONNECT (F&I) (POLE MOUNT)	EA							1		1							2	3
639-6-1	ELECTRICAL POWER SERVICE (F&I) (TRANSFORMER)	EA							1		1							2	3
641-2-12	PRESTRESSED CONCRETE POLE (F&I) (TYPE P-11A SERVICE POLE)	EA							1		1							2	3
660-3-41	VEHICLE DETECTION SYSTEM (MICROWAVE) (RELOCATE CABINET EQUIPMENT)	EA																	2
660-7-21	VEHICLE DETECTION SYSTEM (WRONG WAY FOR EXIT RAMP) (1 OR 2 LANES) (AC POWERED)	EA							1		1							2	2
676-2-122	ITS CABINET (F&I) (POLE MOUNT WITH SUNSHIELD) (336S) (24"W X 46"H X 22"D)	EA																	1
676-2-143	ITS CABINET (F&I) (BASE MOUNT) (334) (24"W X 66"H X 30"D)	EA							1		1							2	2
676-2-600	ITS CABINET (REMOVE)	EA																	1
682-1-500	ITS CCTV CAMERA (ADJUST/MODIFY)	EA																	1
684-1-1	MANAGED FIELD ETHERNET SWITCH (F&I)	EA							1		1							2	3
684-1-6	MANAGED FIELD ETHERNET SWITCH (REMOVE - CABINET TO REMAIN)	EA																	1
684-5-4	MEDIA CONVERTER (RELOCATE)	EA																	2
685-1-11	UNINTERRUPTIBLE POWER SUPPLY (F&I) (LINE INTERACTIVE)	EA																	1
685-1-12	UNINTERRUPTIBLE POWER SUPPLY (F&I) (ONLINE/DOUBLE CONVERSION)	EA							1		1							2	2
685-1-60	UNINTERRUPTIBLE POWER SUPPLY (F&I) (REMOVE - POLE/CABINET TO REMAIN)	EA																	1
685-2-1	REMOTE POWER MANAGEMENT UNIT - RPMU (F&I)	EA							1		1							2	2
700-1-11	SINGLE POST SIGN (F&I) (GROUND MOUNT) (UP TO 12 SF)	AS							4		4							8	8
700-1-60	SINGLE POST SIGN (REMOVE)	AS							2		2							4	4
700-6-11	HIGHLIGHTED SIGN (F&I) (GROUND MOUNT) (UP TO 12 SF)	AS							4		4							8	8
700-13-12	RETROFLECTIVE SIGN STRIP (F&I) (2')	EA							4		4							8	8
700-13-15	RETROFLECTIVE SIGN STRIP (F&I) (5')	EA							4		4							8	8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049		
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

TABULATION OF QUANTITIES (4)	SHEET NO. IT-6
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GENERAL NOTES:

1. A COPY OF THE COMPLETED ITSFM DATA SHALL BE SUBMITTED FOR REVIEW AT LEAST 4 WEEKS PRIOR TO FINAL ACCEPTANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL TRAINING AND CERTIFICATIONS NECESSARY TO COLLECT AND SUBMIT THE ITSFM DATA. DOCUMENTATION SHOWING THE NECESSARY TRAINING AND CERTIFICATIONS HAVE BEEN OBTAINED AND/OR SCHEDULED SHALL BE SUBMITTED WITHIN 2 WEEKS OF BEGINNING WORK ON THE FMS INFRASTRUCTURE. CONTACT D1- ITSFM@DOT.STATE.FL.US FOR ITSFM INFORMATION.

AT MINIMUM, THE FOLLOWING ITSFM ATTRIBUTE FORMS SHALL BE COMPLETED:

- ITSFM031, ITSFM040
- ITSFM032, ITSFM041
- ITSFM033, ITSFM042
- ITSFM034, ITSFM043
- ITSFM035, ITSFM056
- ITSFM036, ITSFM057
- ITSFM037, ITSFM058
- ITSFM039, ITSFM061

AT MINIMUM, THE FOLLOWING ITSFM FEATURE IMPORT TEMPLATES SHALL BE COMPLETED:

- ITSFM5001
- ITSFM5002
- ITSFM5004
- ITSFM5005
- ITSFM5006
- ITSFM5007
- ITSFM5015

2. COORDINATE WITH TRANSCORE AT 239-961-3310 TO COORDINATE STATUS OF GENERATOR INSTALLATION AT I-75 AT SR 29 ITS HUB PRIOR TO DISCONNECTION AND CABINET REPLACEMENT.

3. AT THE COMPLETION OF THE PROJECT, PROVIDE AS-BUILT PLANS IN ELECTRONIC FORM (PDF) TO:

FDOT TRAFFIC OPERATIONS
 JUSTIN MERRITT, TSM&O FMS SPECIALIST IV
 801 N. BROADWAY AVE
 P.O. BOX 1249
 BARTOW, FL 33830-1249
 EMAIL: JUSTIN.MERRITT@DOT.STATE.FL.US

4. WEATHERED LIMESTONE/CAPROCK WAS ENCOUNTERED WITHIN SOIL BORINGS. THIS MATERIAL IS ROCK AND IS LOCATED IN SHALLOW DEPTHS. EXCAVATION INTO AND/OR THROUGH LIMESTONE/CAPROCK WILL BE DIFFICULT AND WILL REQUIRE NONCONVENTIONAL CONSTRUCTION TECHNIQUES AND SPECIALIZED EQUIPMENT. LIMESTONE/CAPROCK IS POROUS AND WILL BE DIFFICULT TO DEWATER.

PAY ITEM NOTES:

1. 633-1-124: FIBER OPTIC CABLE BACKBONE TO BE 144-COUNT SM.

THE 144-COUNT SM FIBER TO BE INSTALLED WITHIN THE SPARE ITS CONDUIT.

REEL TO REEL SPLICES FOR THE NEW CABLE SHALL ONLY OCCUR AT EXISTING SPLICE LOCATIONS. NO NEW SPLICE LOCATIONS SHALL BE INTRODUCED SOLELY FOR REEL TO REEL SPLICES.

ALL FIBER OPTIC CONDUIT INSTALLATION SHALL INCLUDE A COMPLETE FACILITY LOCATE MARKING SYSTEM TO INCLUDE:

- ABOVE GROUND ROUTE MARKERS.
- CURB MOUNTED MARKER TABS.
- ELECTRONIC UTILITY LOCATE SYSTEM.
- INSTALL WIRING GROUNDING UNITS (WGU) AT EACH SPLICE VAULT.

2. 633-8-1: PROVIDED CABLE TO BE COMPATIBLE WITH THE WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS) PROPOSED FOR INSTALLATION.

3. 660-7-21: INCLUDES DETECTORS, COMMUNICATION/CONDUIT/CONDUCTORS WITHIN A LOCATION (CONNECTING 2 SIDES OF THE ROADWAY), SMALL ENCLOSURE CABINET, AC CONNECTION, AND ALL MATERIALS, HARDWARE, AND LABOR FOR A COMPLETE WWVDS.

4. 676-2-143: DURING THE CABINET CHANGE-OUT, THE I-75 AT SR 29 ITS HUB SHALL BE OFFLINE FOR NO MORE THAN 8 HOURS. IF THE SITE IS REQUIRED TO BE OFFLINE FOR MORE THAN 8 HOURS, A METHOD OF PROCEDURE SHALL BE DEVELOPED FOR REVIEW AND APPROVAL BY THE DEPARTMENT PRIOR TO BEGINNING THE EFFORT.

INCLUDES RELOCATION AND RECONNECTION OF ALL EXISTING EQUIPMENT.

5. 682-1-500: INCLUDES THE COST OF RELOCATING CCTV CAMERA CABINET EQUIPMENT.

6. 676-2-600: DELIVER ALL REMOVED EQUIPMENT TO TRANSCORE:

ADDRESS: 12821 COMMERCE LAKE DR.
 SUITE 11
 FT. MYERS, FLORIDA 33913

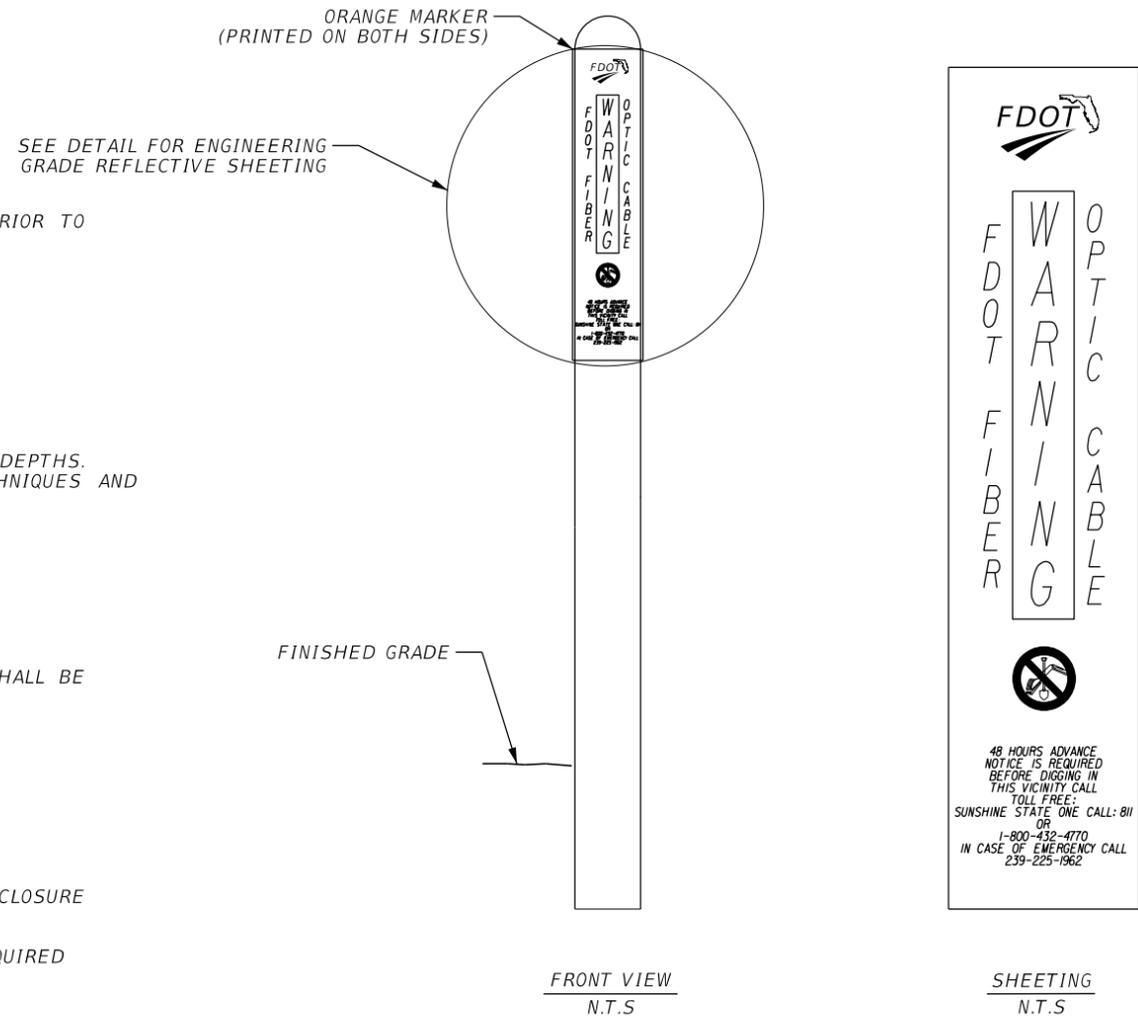
CONTACT: CARLOS OGANDO
 239-989-2473

LEGEND:

- - - - ----- = EXISTING CONDUIT WITH 144-COUNT SM INSTALLED IN THE SPARE
- ●● ----- ●● ----- = PROPOSED DIRECTIONAL BORE CONDUIT
- ● ----- ● ----- = PROPOSED OPEN TRENCH CONDUIT

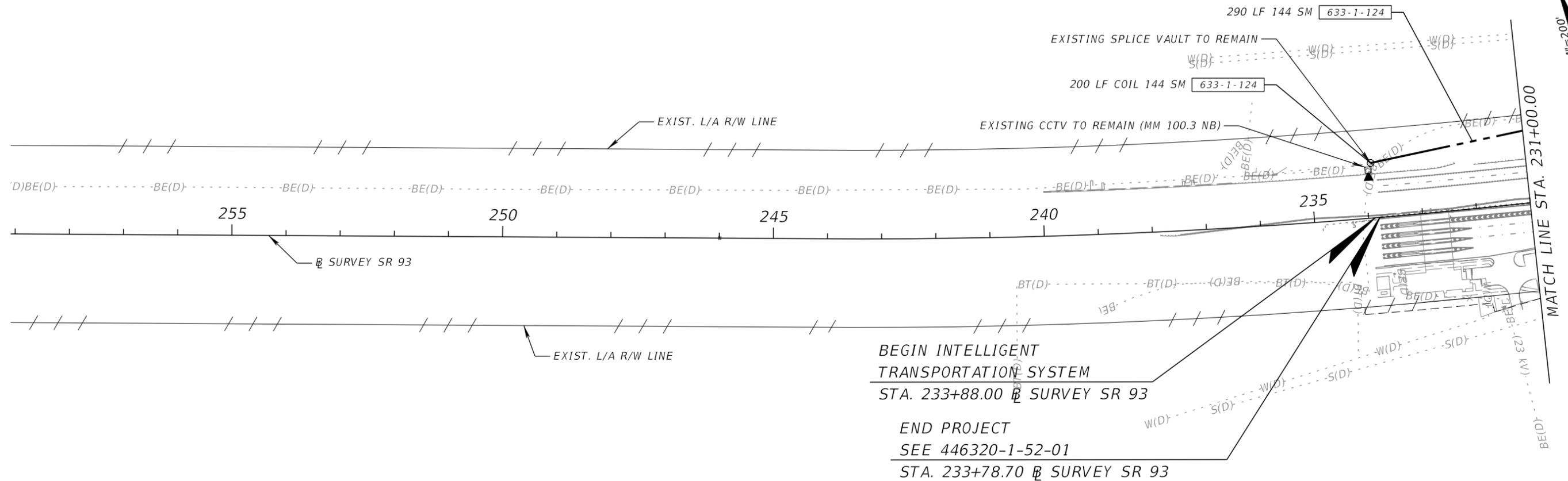
- = EXISTING FIBER OPTIC PULLBOX
- = PROPOSED FIBER OPTIC PULLBOX
- = EXISTING SPLICE VAULT
- = PROPOSED PULLBOX
- = MVDS
- = CCTV
- = PROPOSED WWVDS (WRONG WAY VEHICLE DETECTION SYSTEM)
- = RWIS

FIBER OPTIC CABLE ROUTE MARKER



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 93	COLLIER	444008-3-52-01		IT-7

SR 93 (I-75)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

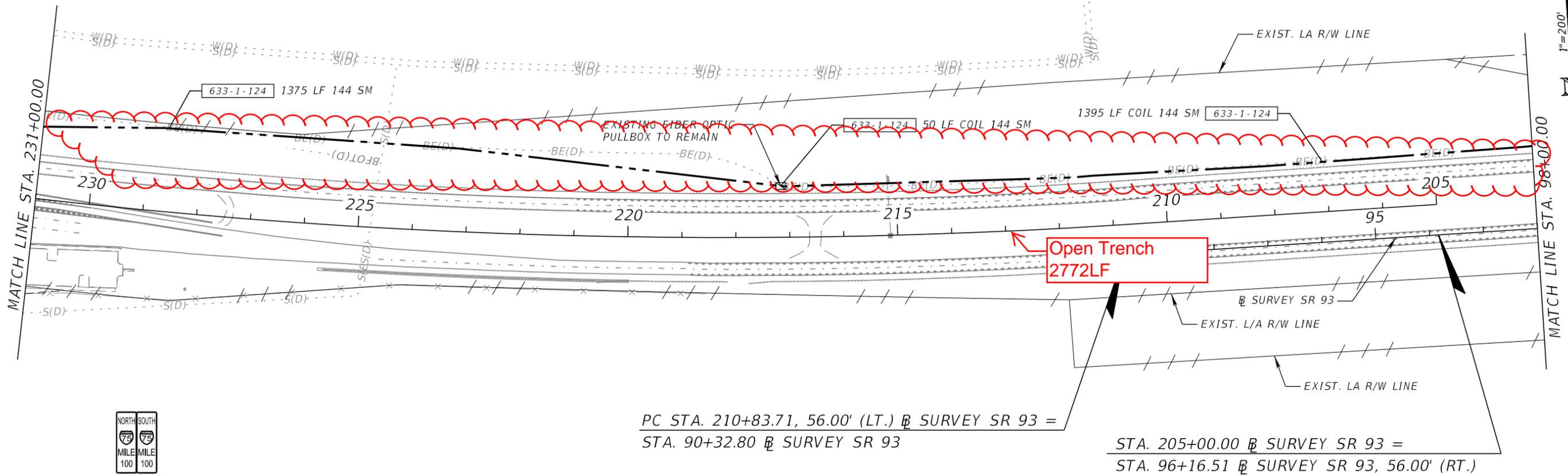
FALLER, DAVIS & ASSOCIATES, INC.
4200 W. CYPRESS ST., SUITE 500
TAMPA, FLORIDA 33607-4168
PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

**INTELLIGENT TRANSPORTATION
SYSTEMS PLANS (1)**

SHEET NO.
IT-8

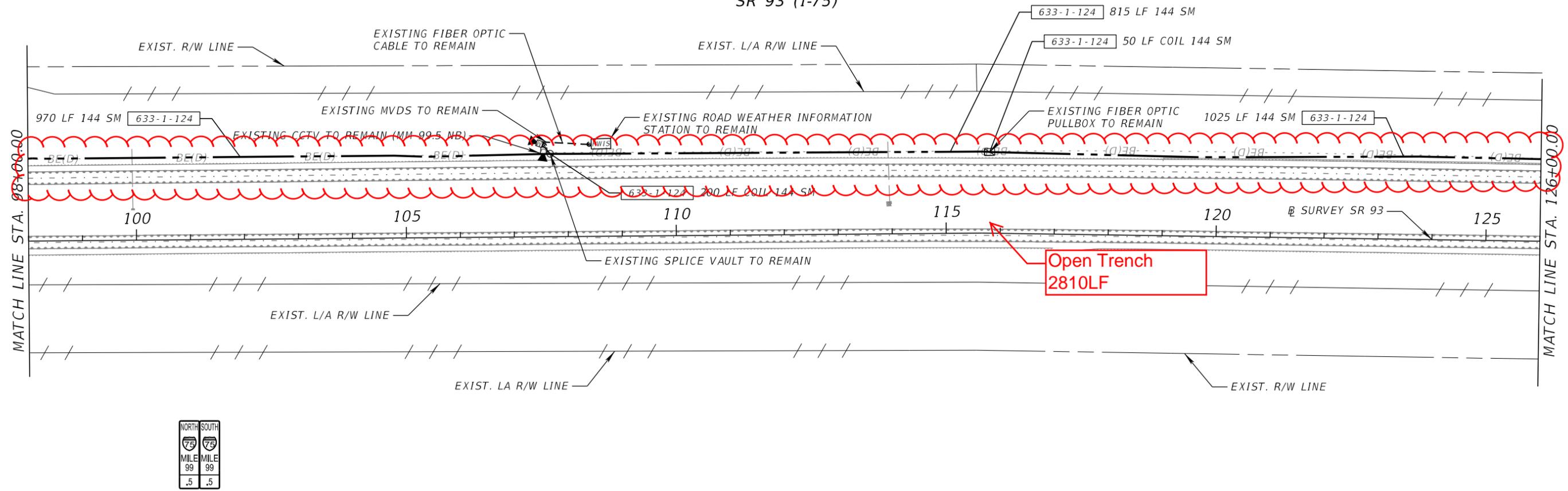
SR 93 (I-75)



PC STA. 210+83.71, 56.00' (LT.) @ SURVEY SR 93 =
STA. 90+32.80 @ SURVEY SR 93

STA. 205+00.00 @ SURVEY SR 93 =
STA. 96+16.51 @ SURVEY SR 93, 56.00' (RT.)

SR 93 (I-75)



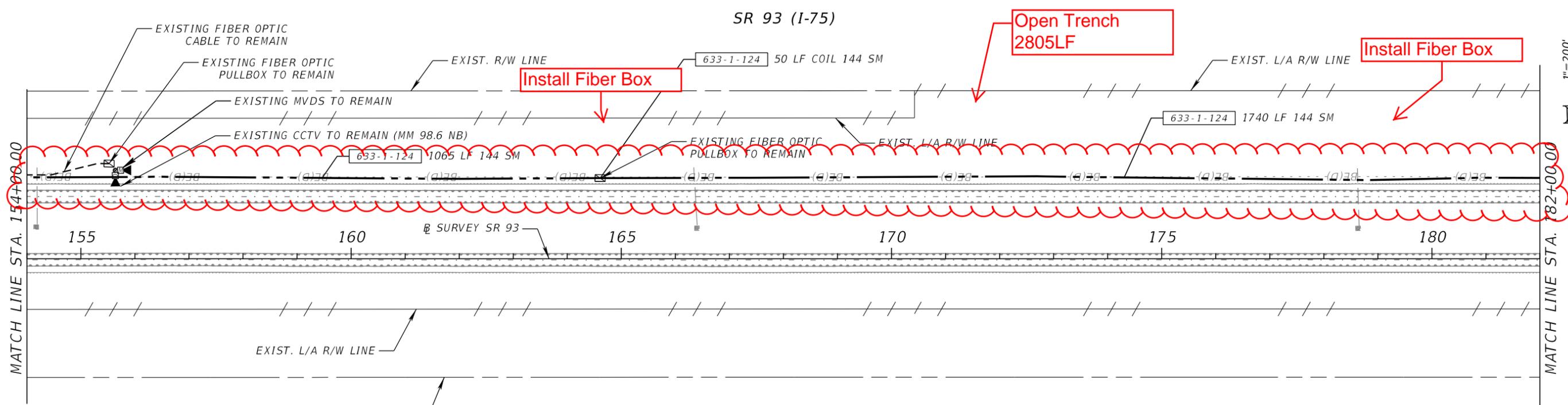
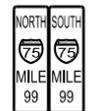
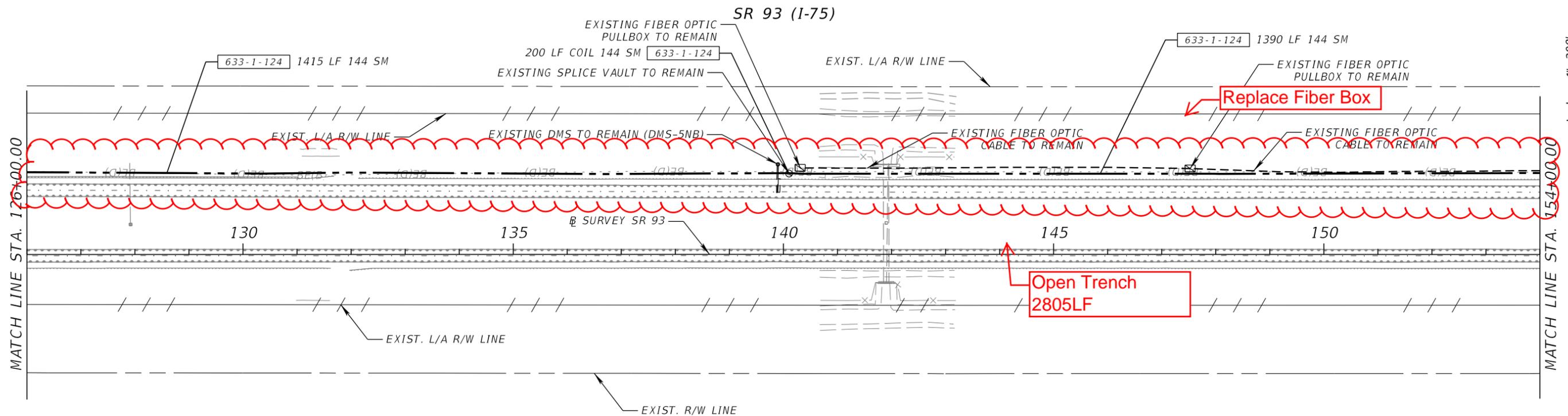
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
4200 W. CYPRESS ST., SUITE 500
TAMPA, FLORIDA 33607-4168
PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

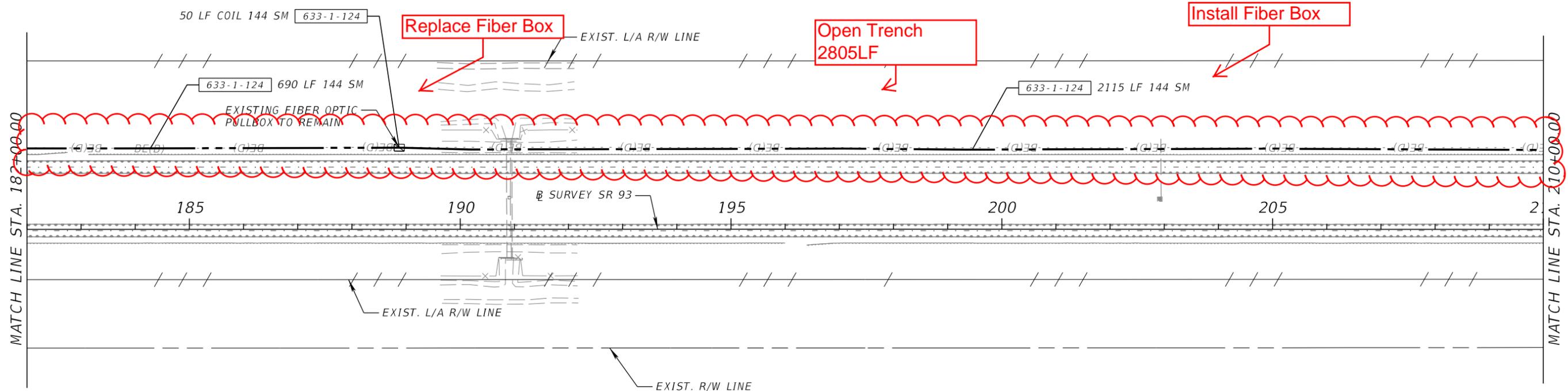
**INTELLIGENT TRANSPORTATION
SYSTEMS PLANS (2)**

SHEET NO.
IT-9

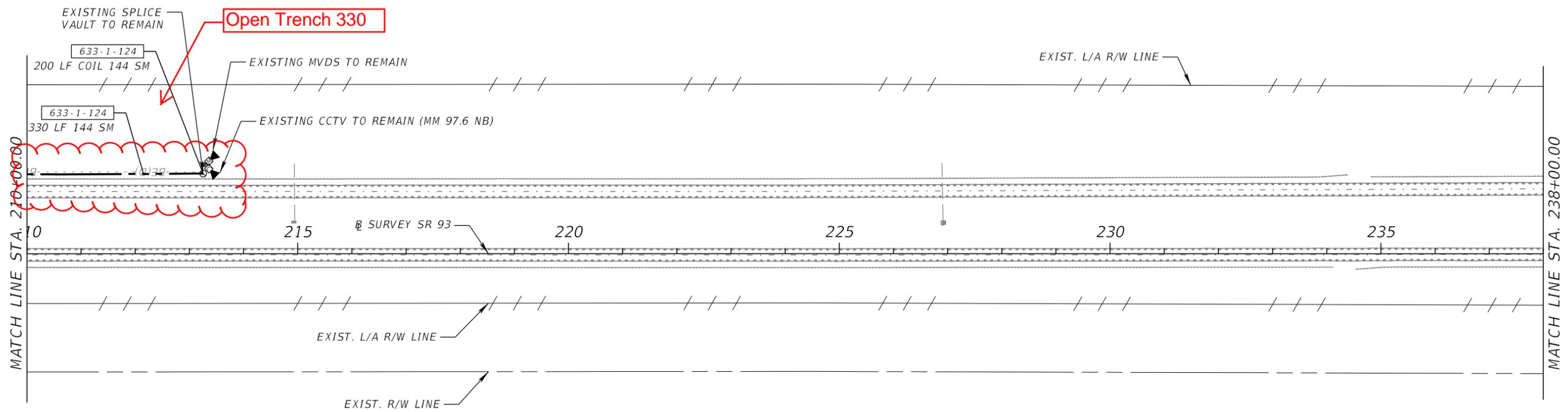


REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 93	COLLIER	444008-3-52-01		IT-10

SR 93 (I-75)



NORTH	SOUTH
75	75
MILE	MILE
.97	.97
.5	.5



NORTH	SOUTH
75	75
MILE	MILE
.97	.97
.5	.5

NOTE: CONTINUATION OF THE FIBER OPTIC CABLE TO THE EAST WILL BE INSTALLED UNDER FPID 444008-4-52-01.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

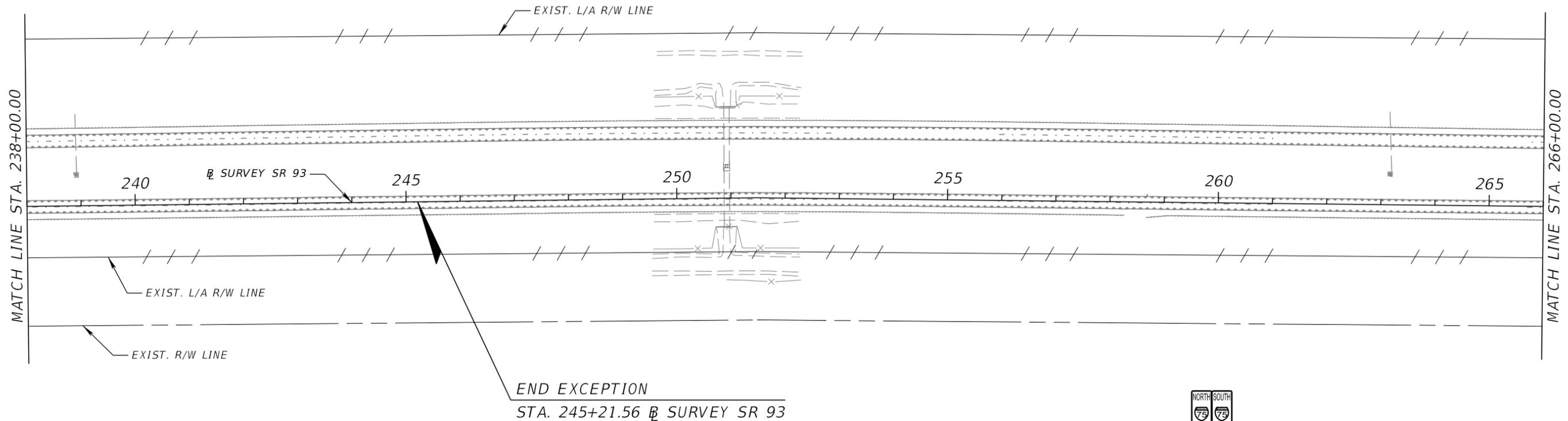
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

**INTELLIGENT TRANSPORTATION
 SYSTEMS PLANS (4)**

SHEET NO.
IT-11

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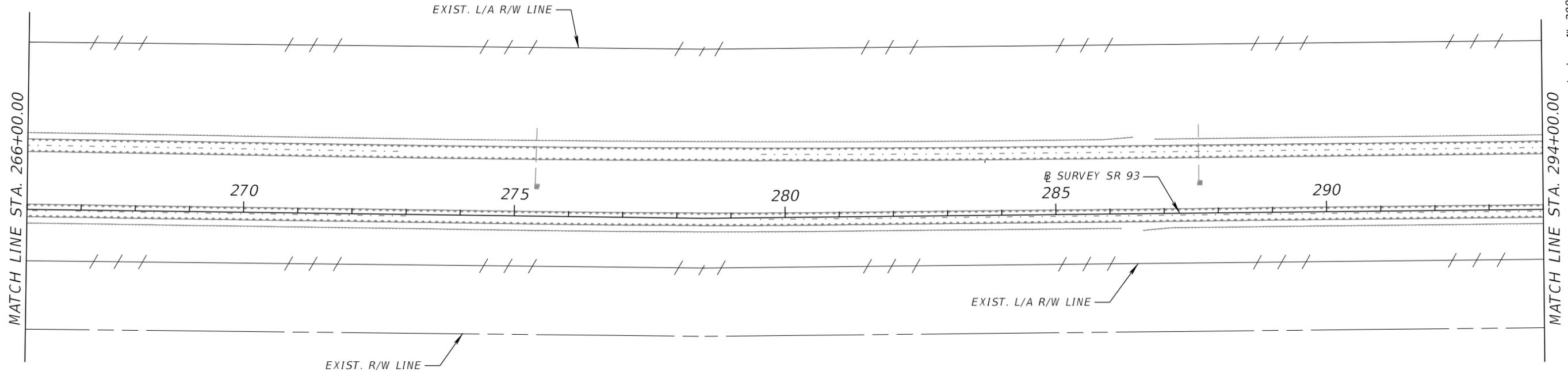
SR 93 (I-75)



END EXCEPTION
 STA. 245+21.56 @ SURVEY SR 93

NORTH	SOUTH
MILE	MILE
96	96
.5	.5

SR 93 (I-75)



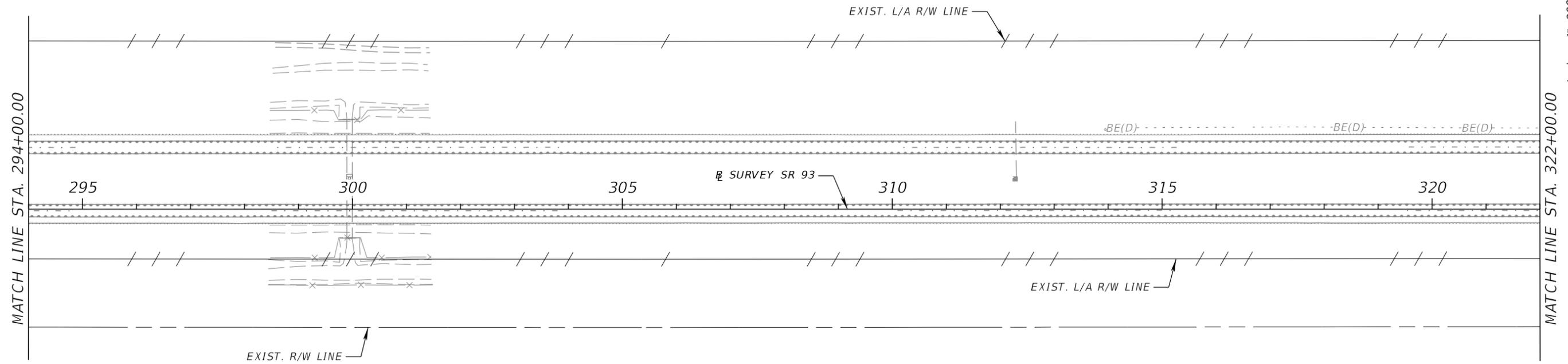
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NORTH	SOUTH
MILE	MILE
96	96
.5	.5

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (5)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-12
						SR 93	COLLIER		444008-3-52-01

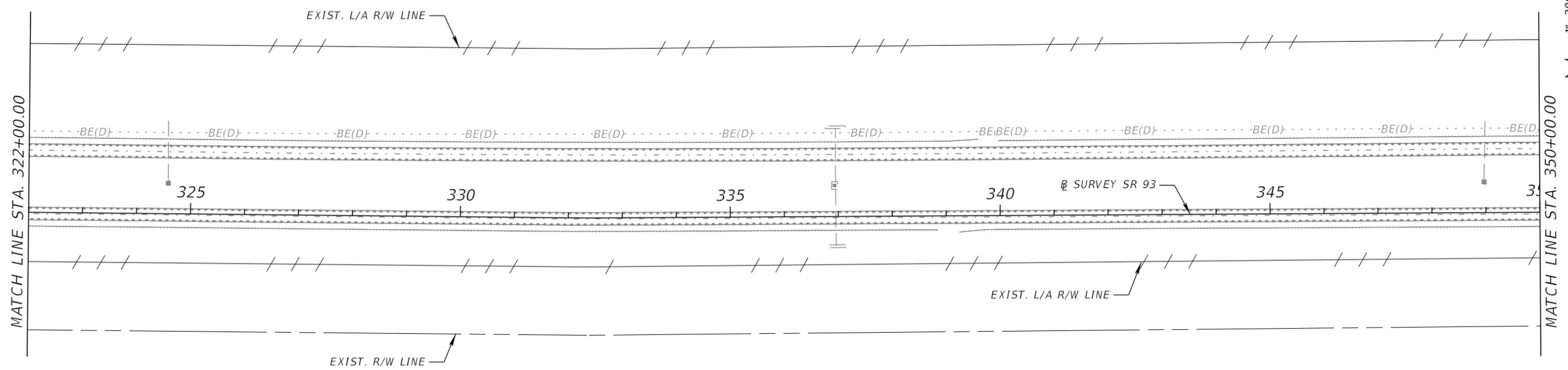
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SR 93 (I-75)



NORTH	SOUTH
MILE	MILE
.5	.5

SR 93 (I-75)

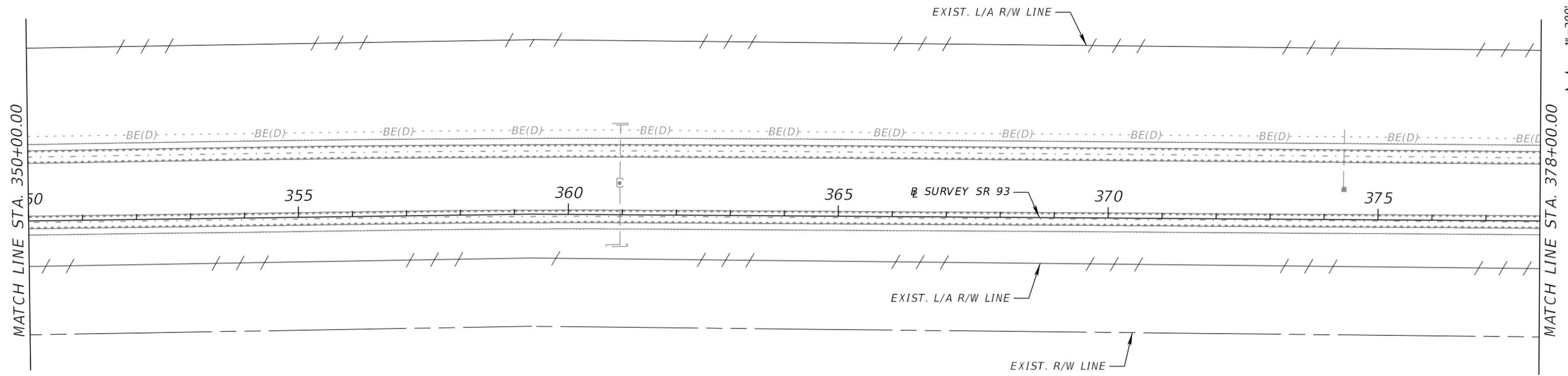


NORTH	SOUTH
MILE	MILE
.5	.5

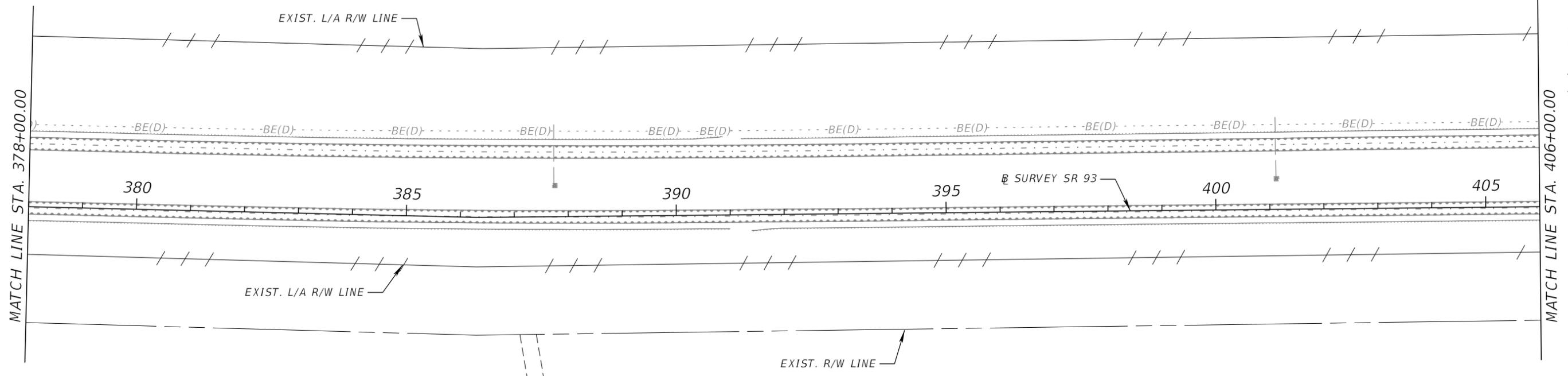
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REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (6)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-13
					SR 93	COLLIER	444008-3-52-01		

SR 93 (I-75)



NORTH	SOUTH
MILE	MILE
94	94
.5	.5

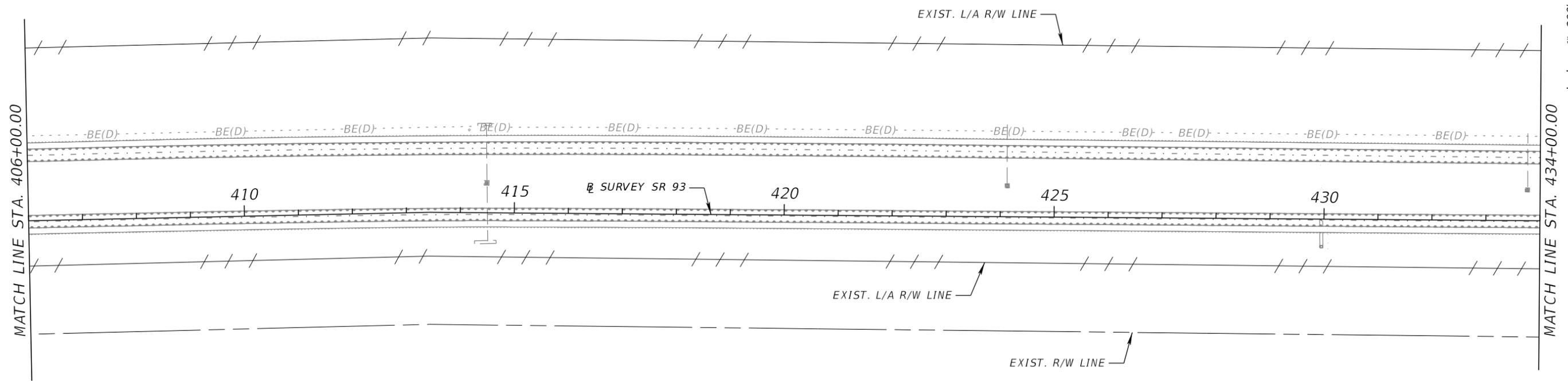


NORTH	SOUTH
MILE	MILE
94	94
.5	.5

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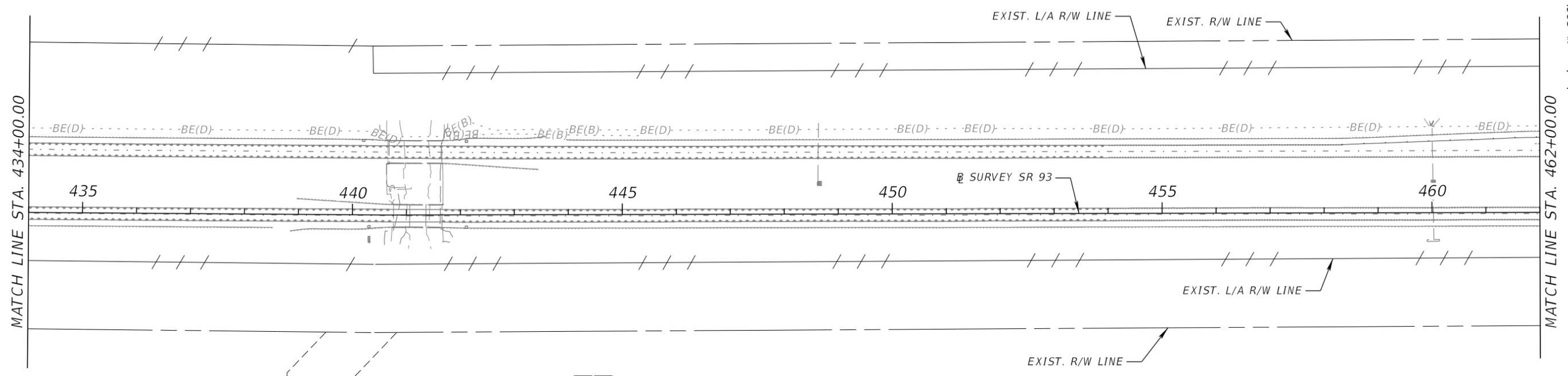
REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 93	COLLIER	444008-3-52-01		IT-14

SR 93 (I-75)



NORTH	SOUTH
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MILE	MILE
93	93
.5	.5

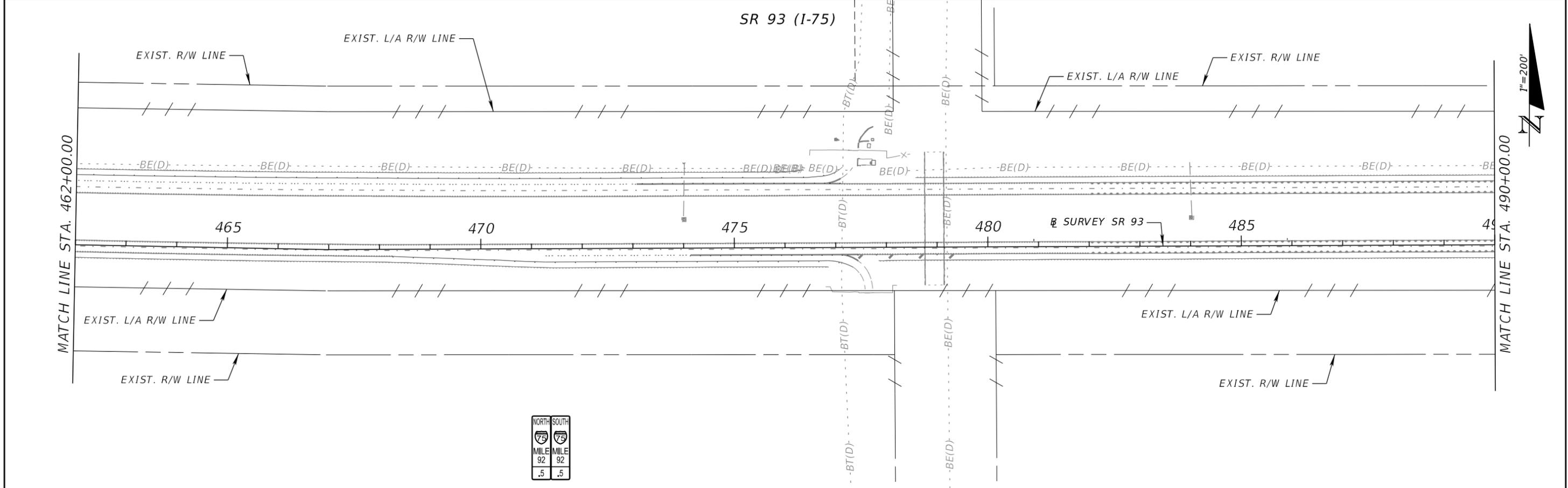
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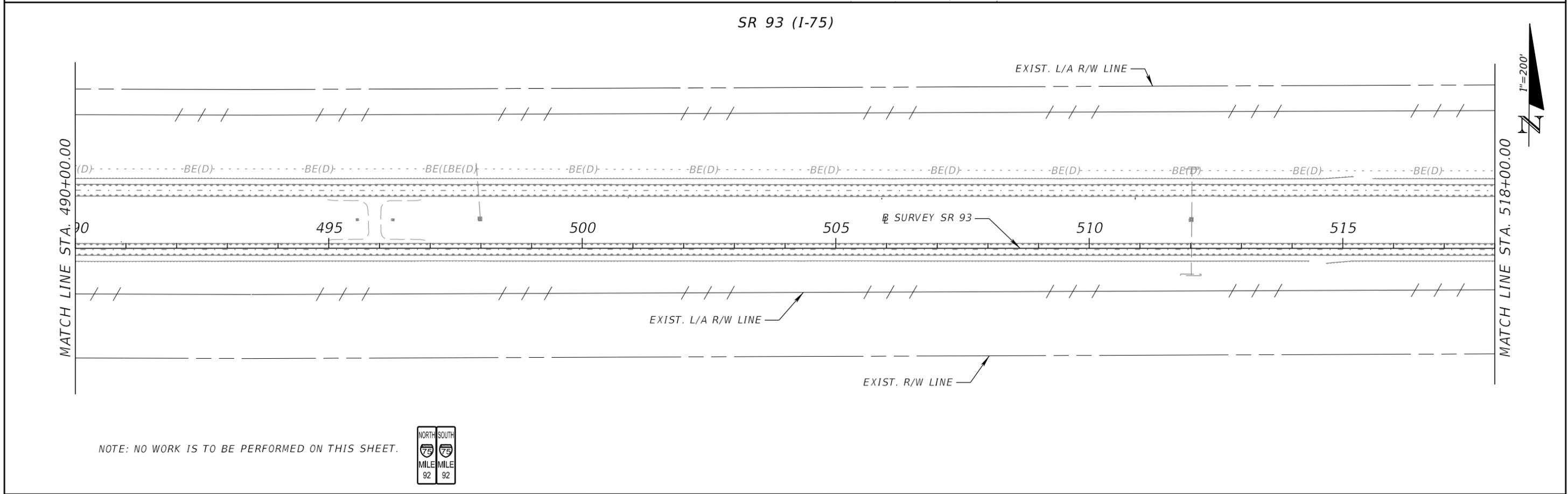
NORTH	SOUTH
75	75
MILE	MILE
93	93
.5	.5

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 93	COLLIER	444008-3-52-01		IT-15



NORTH	SOUTH
MILE	MILE
92	92
.5	.5



NOTE: NO WORK IS TO BE PERFORMED ON THIS SHEET.

NORTH	SOUTH
MILE	MILE
92	92

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

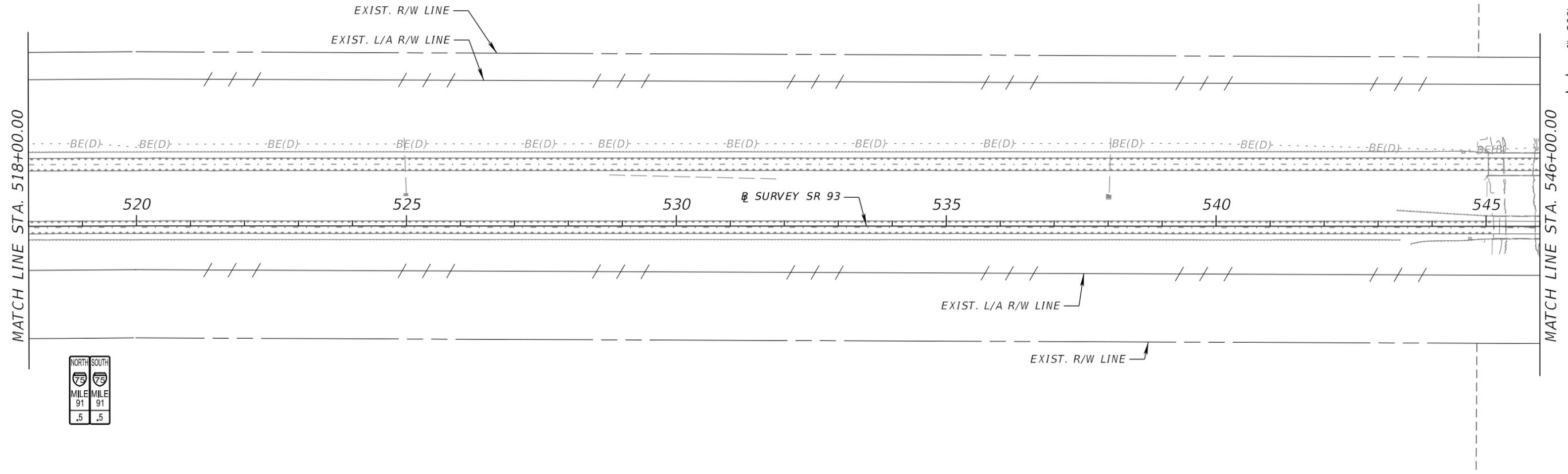
FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

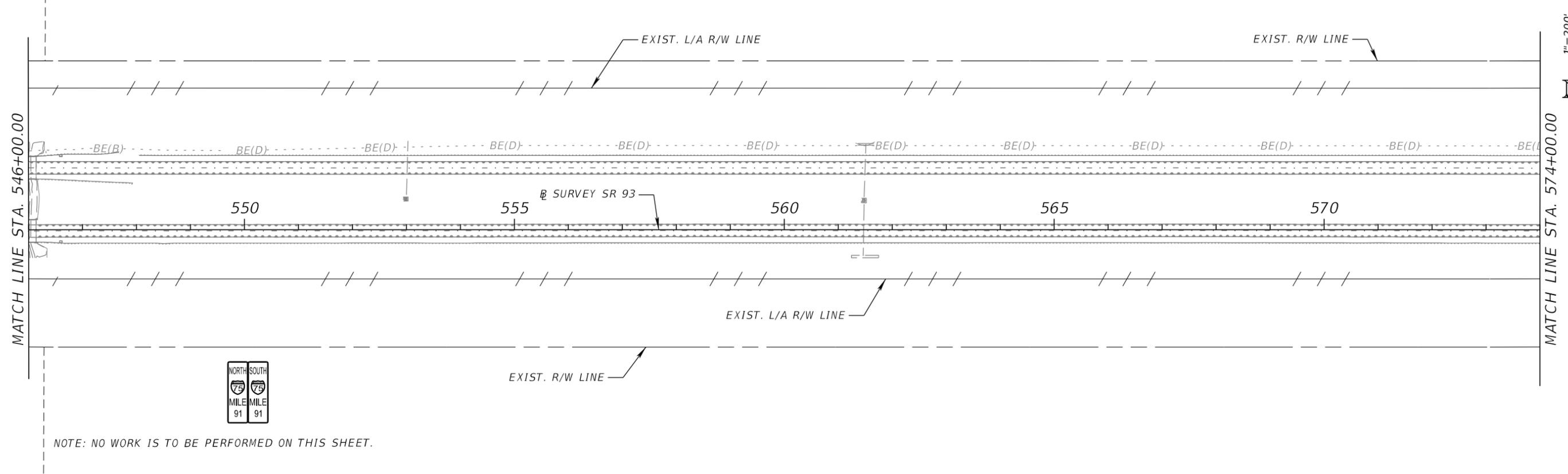
**INTELLIGENT TRANSPORTATION
SYSTEMS PLANS (9)**

SHEET
NO.
IT-16

SR 93 (I-75)



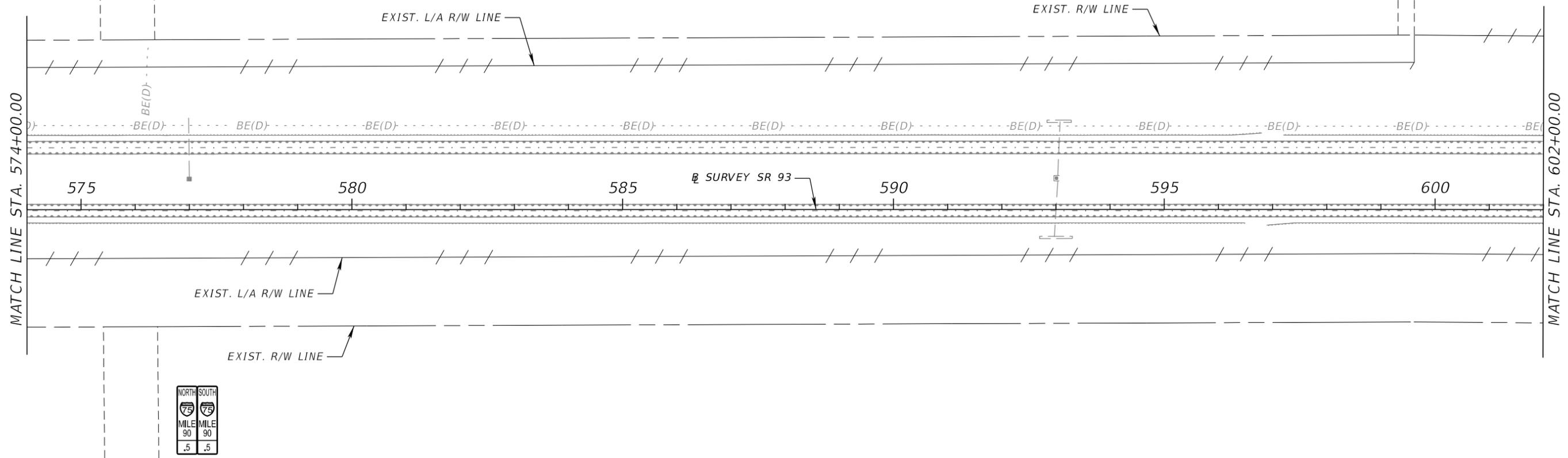
SR 93 (I-75)



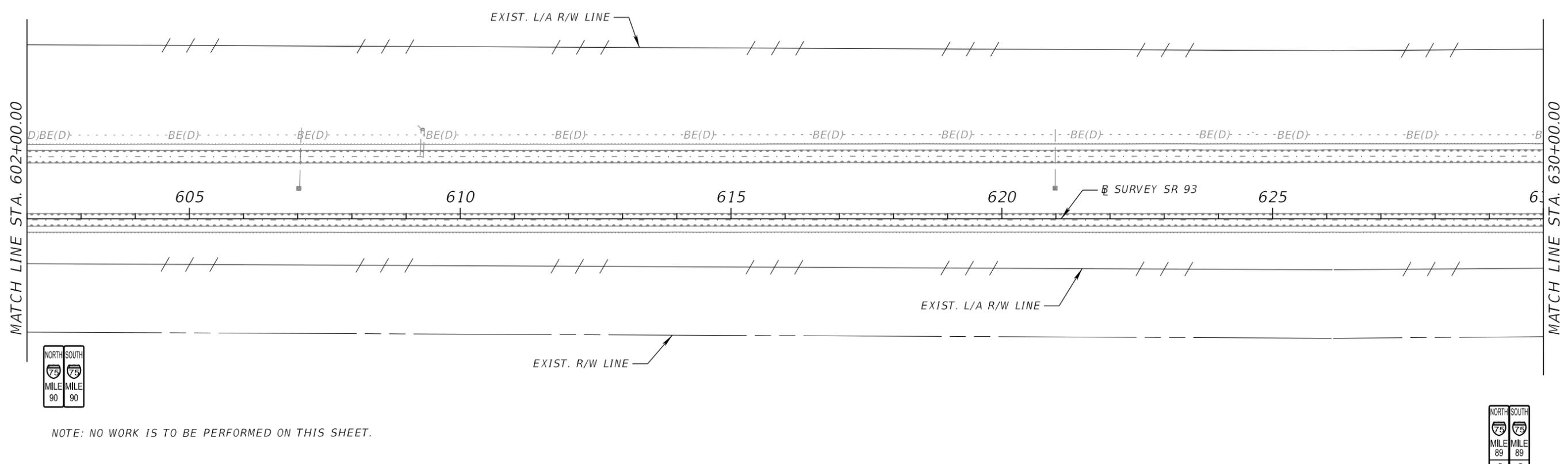
REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (10)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-17
					SR 93	COLLIER	444008-3-52-01		

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SR 93 (I-75)



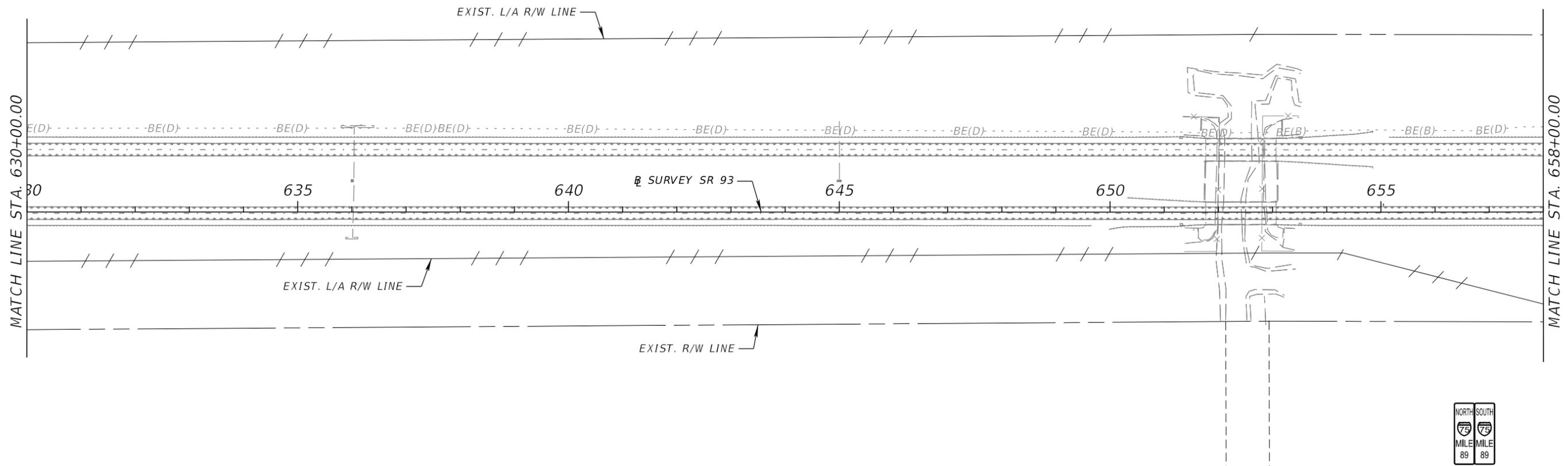
SR 93 (I-75)



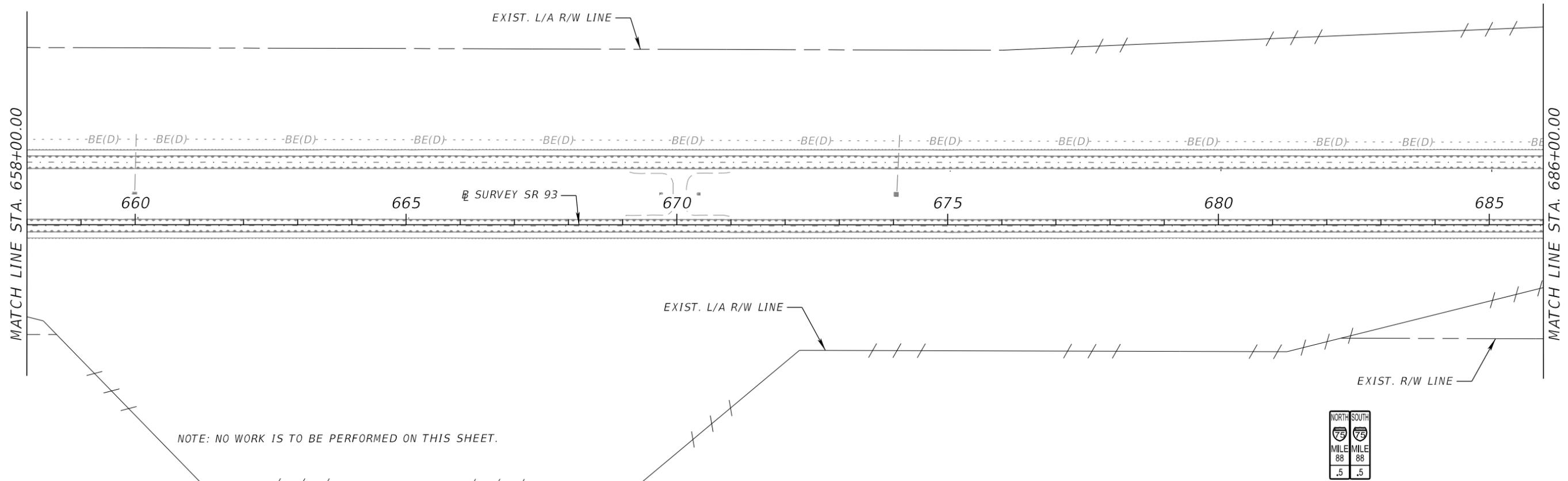
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REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (11)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-18
					SR 93	COLLIER	444008-3-52-01		

SR 93 (I-75)



SR 93 (I-75)



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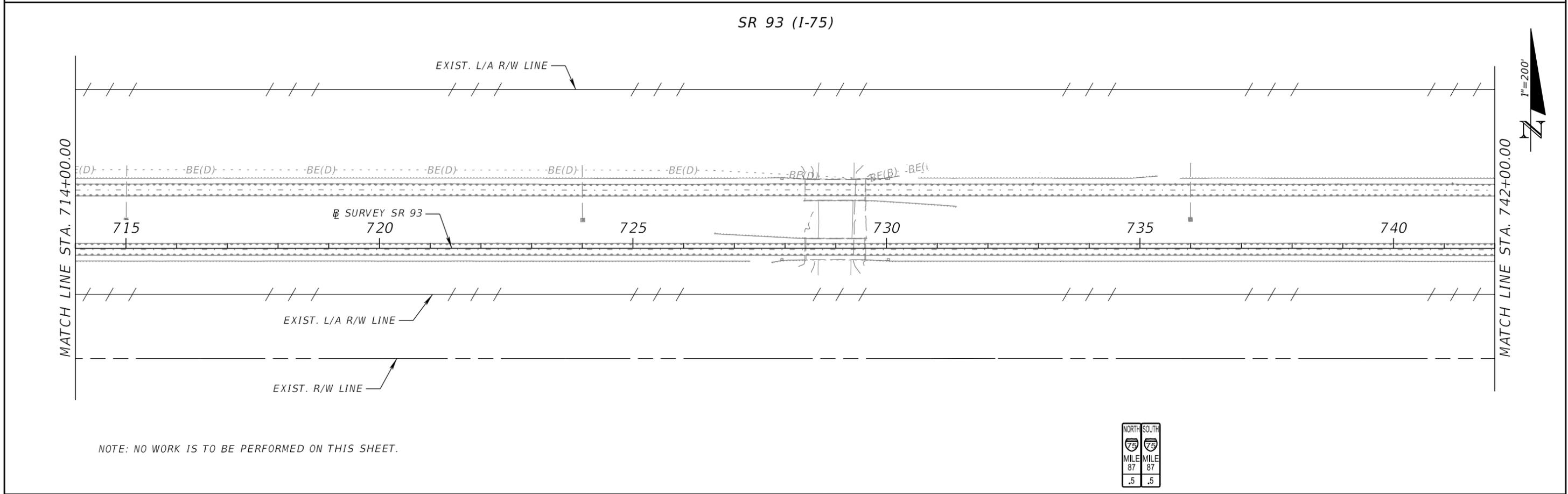
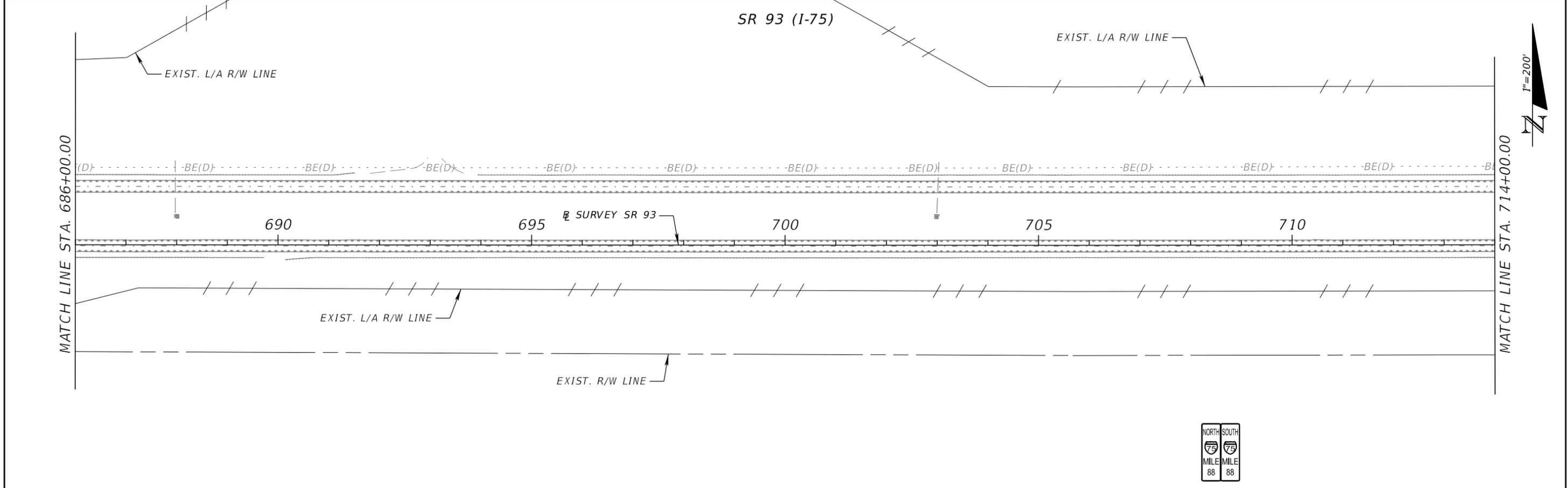
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

**INTELLIGENT TRANSPORTATION
 SYSTEMS PLANS (12)**

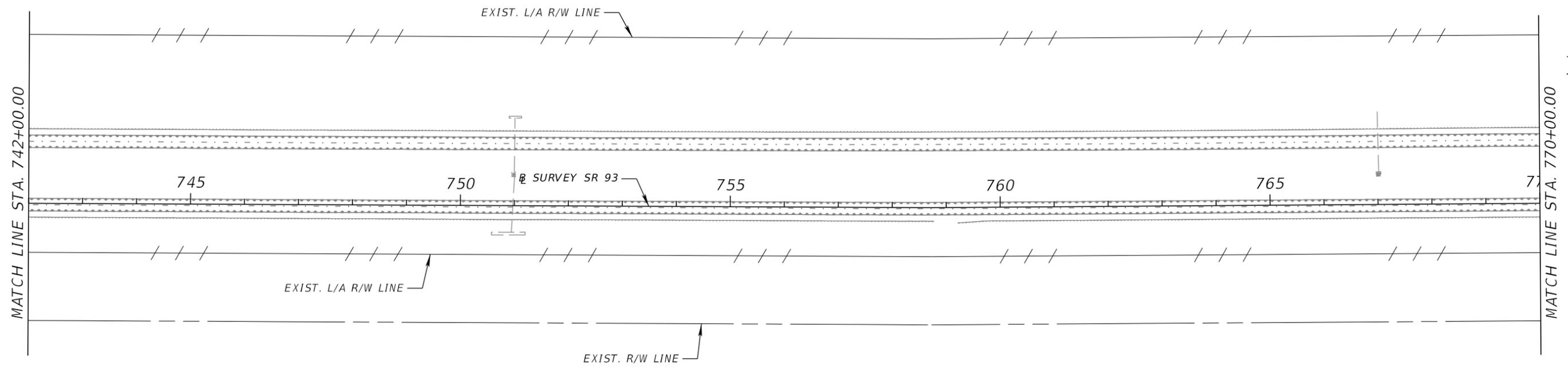
SHEET NO.
IT-19



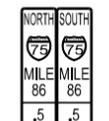
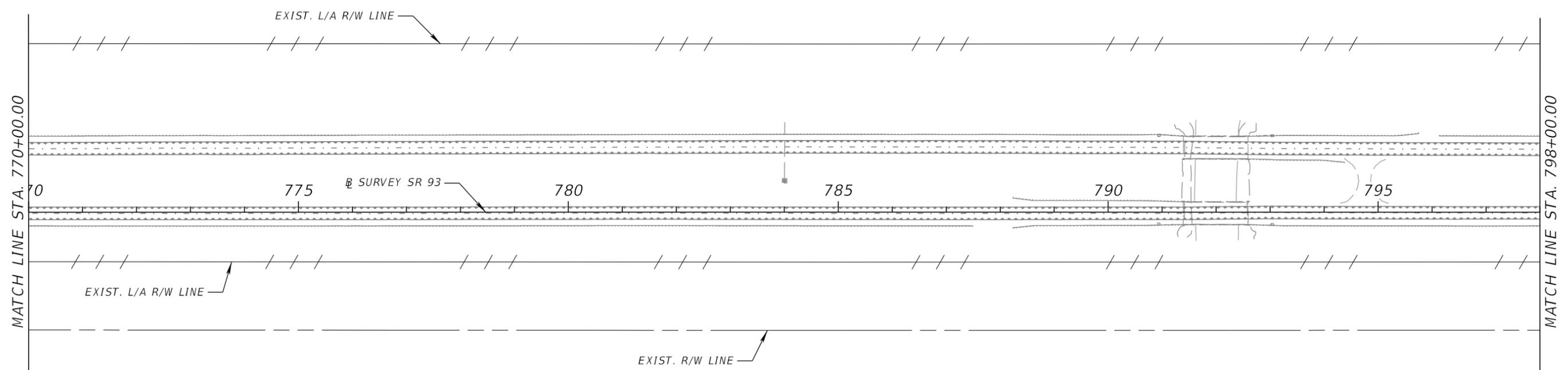
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REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (13)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-20
					SR 93	COLLIER	444008-3-52-01		

SR 93 (I-75)



SR 93 (I-75)

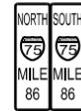
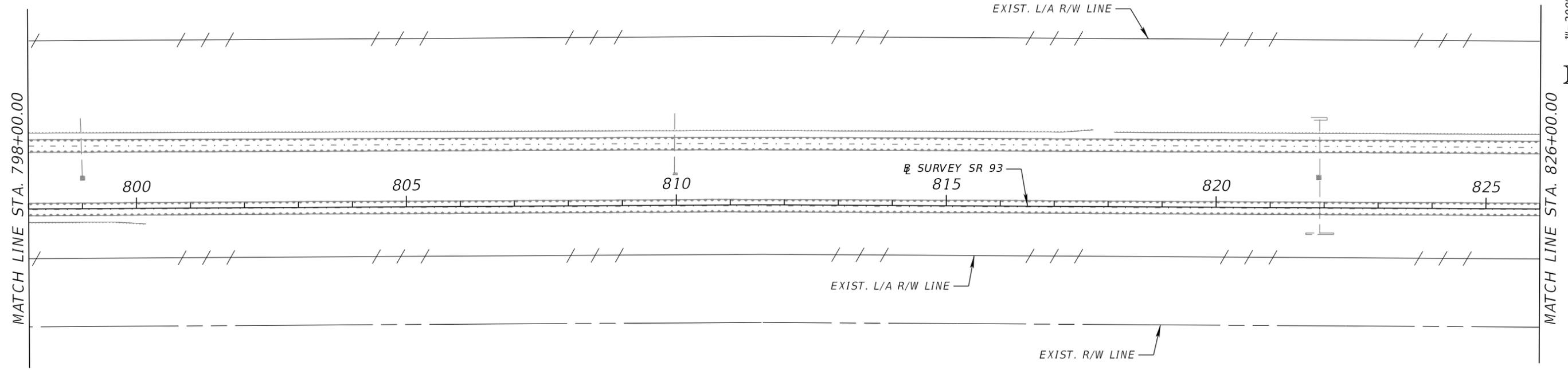


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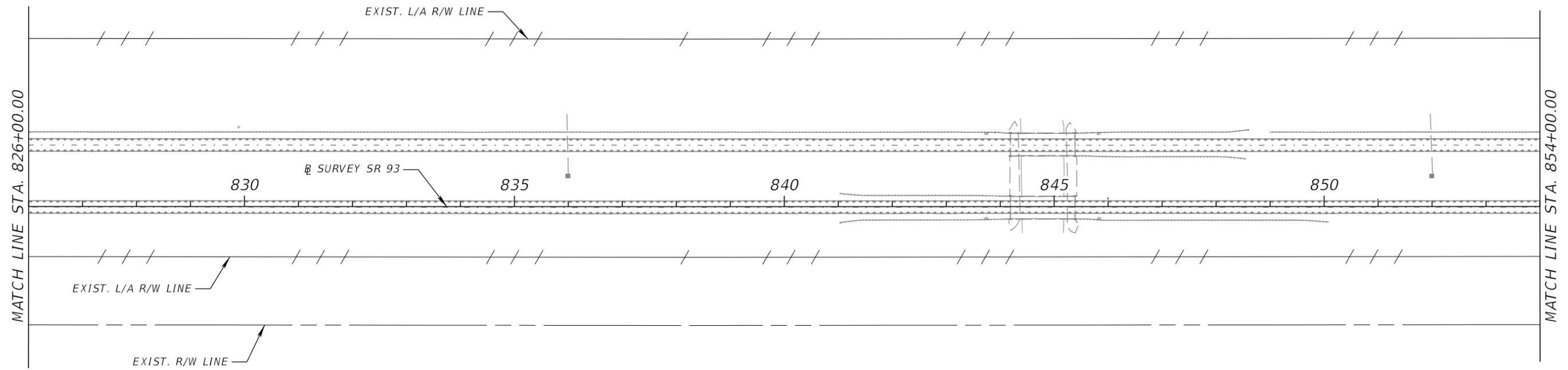
REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (14)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-21
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SR 93 (I-75)



SR 93 (I-75)



NOTE: NO WORK IS TO BE PERFORMED ON THIS SHEET.

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DATE	DESCRIPTION	DATE	DESCRIPTION

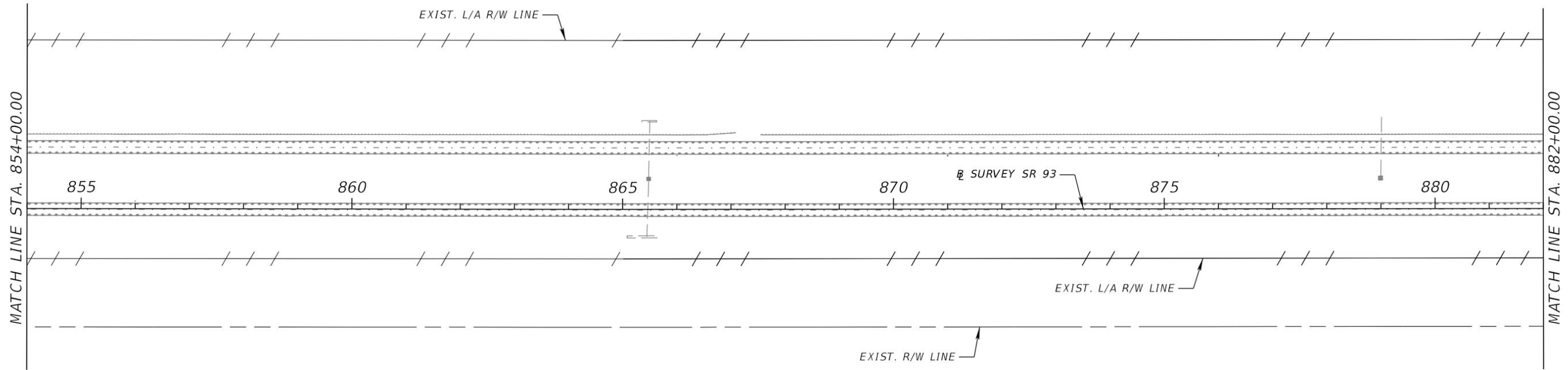
FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

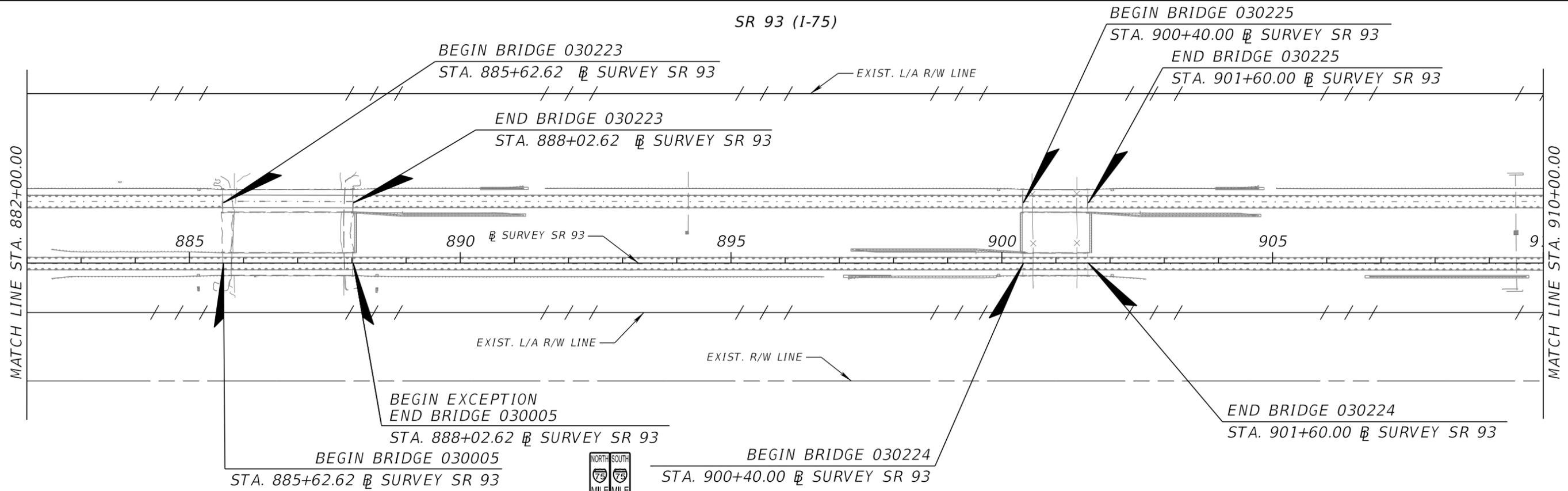
**INTELLIGENT TRANSPORTATION
 SYSTEMS PLANS (15)**

SHEET NO.
IT-22

SR 93 (I-75)



SR 93 (I-75)



NOTE: NO WORK IS TO BE PERFORMED ON THIS SHEET.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

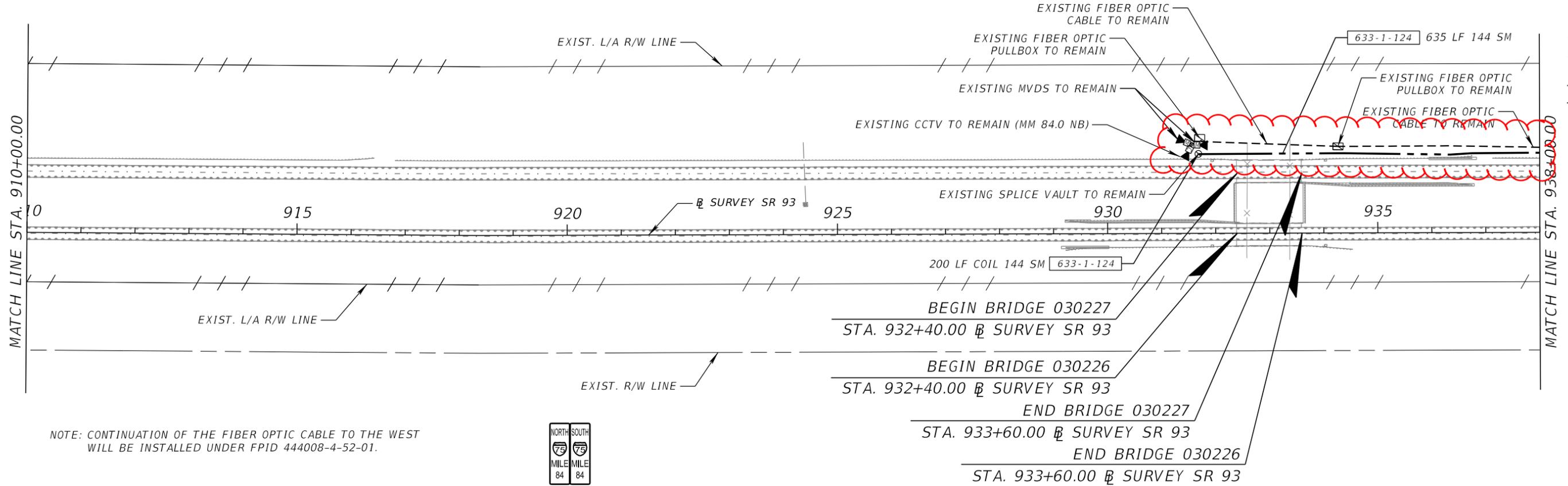
FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

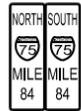
**INTELLIGENT TRANSPORTATION
 SYSTEMS PLANS (16)**

SHEET NO.
 IT-23

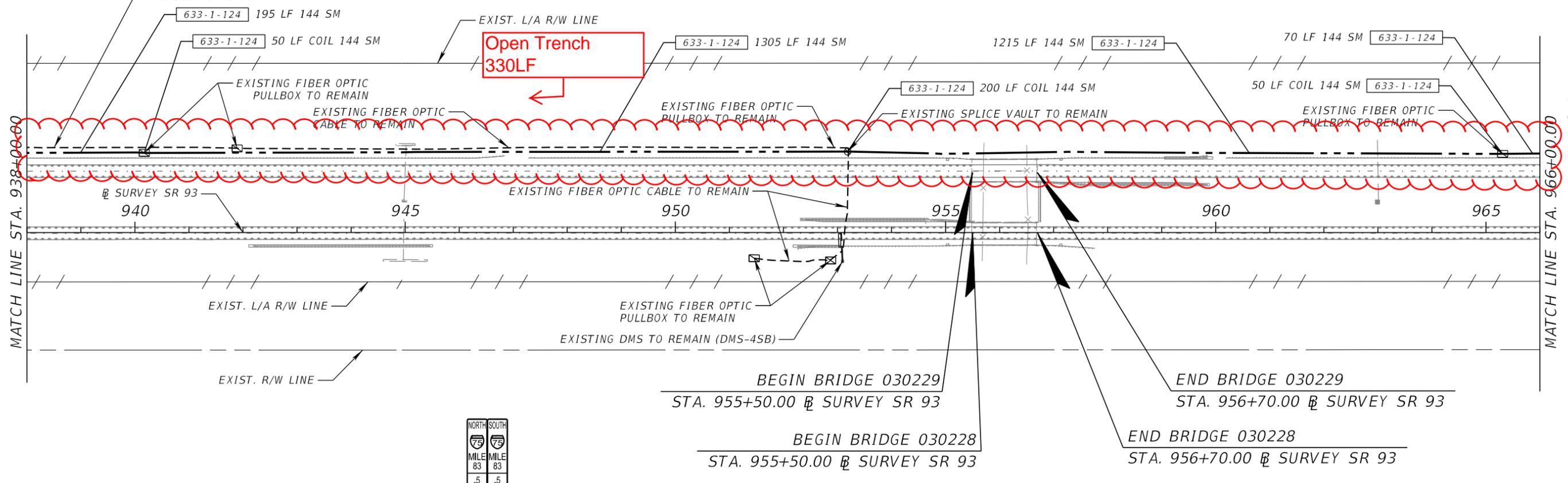
SR 93 (I-75)



NOTE: CONTINUATION OF THE FIBER OPTIC CABLE TO THE WEST WILL BE INSTALLED UNDER FPID 444008-4-52-01.



SR 93 (I-75)



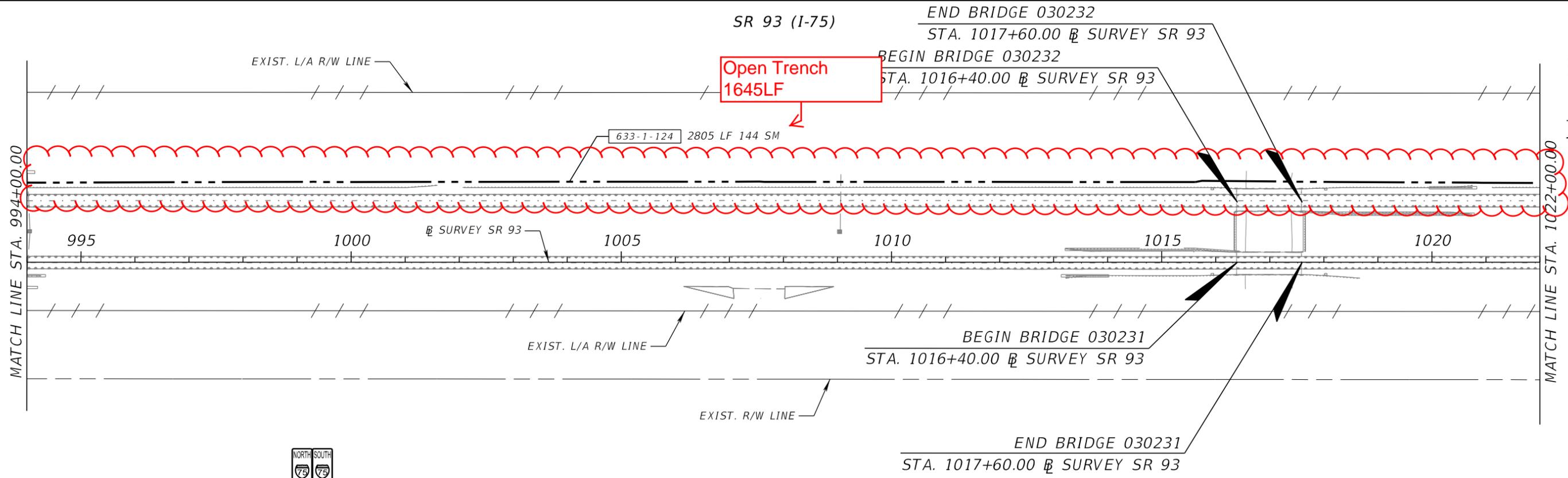
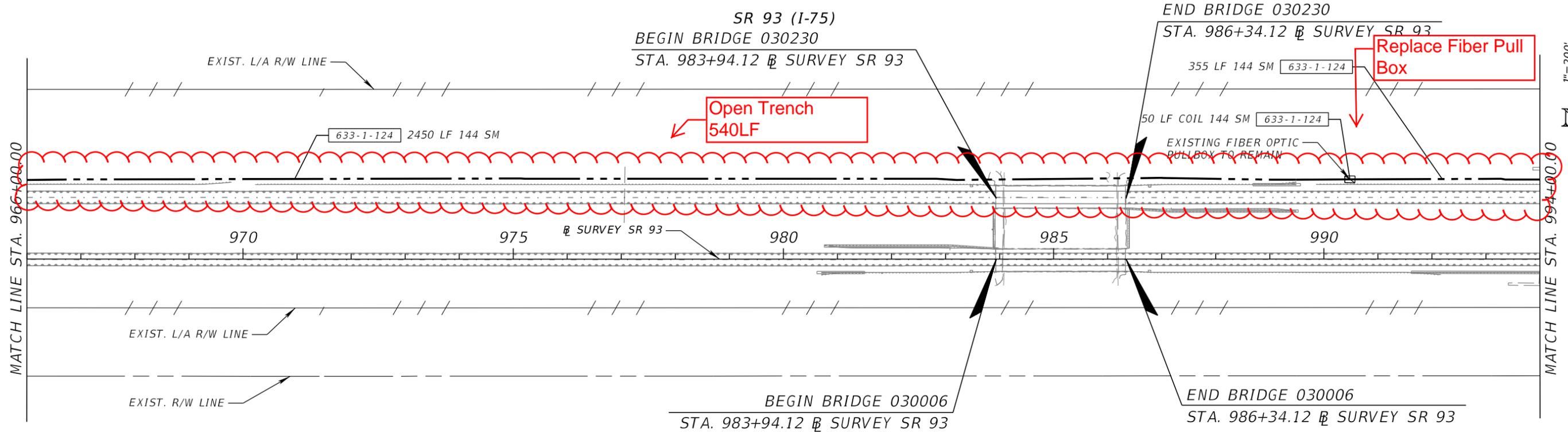
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

**INTELLIGENT TRANSPORTATION
 SYSTEMS PLANS (17)**

SHEET NO.
 IT-24



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

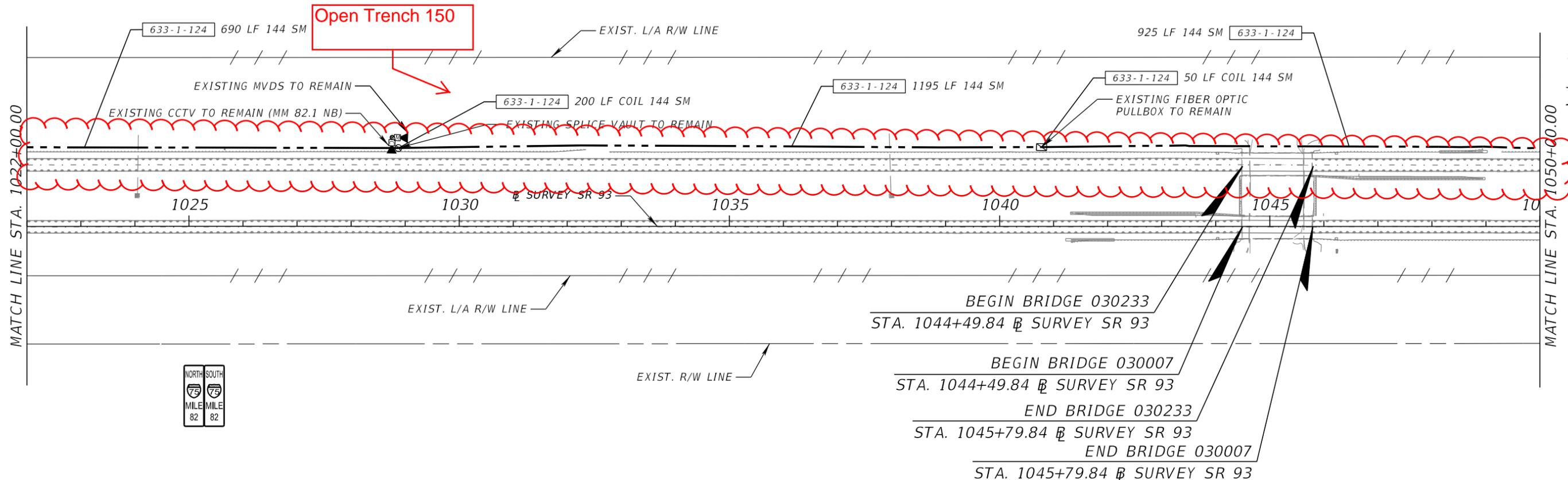
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

**INTELLIGENT TRANSPORTATION
SYSTEMS PLANS (18)**

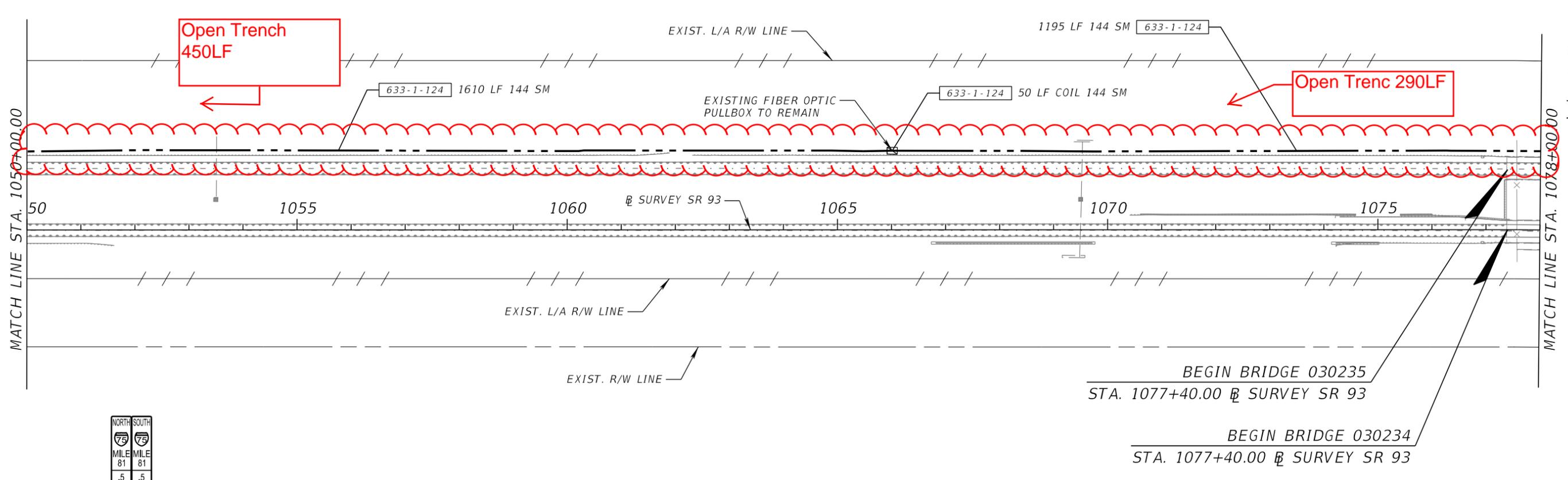
SHEET NO.
IT-25

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

SR 93 (I-75)



SR 93 (I-75)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

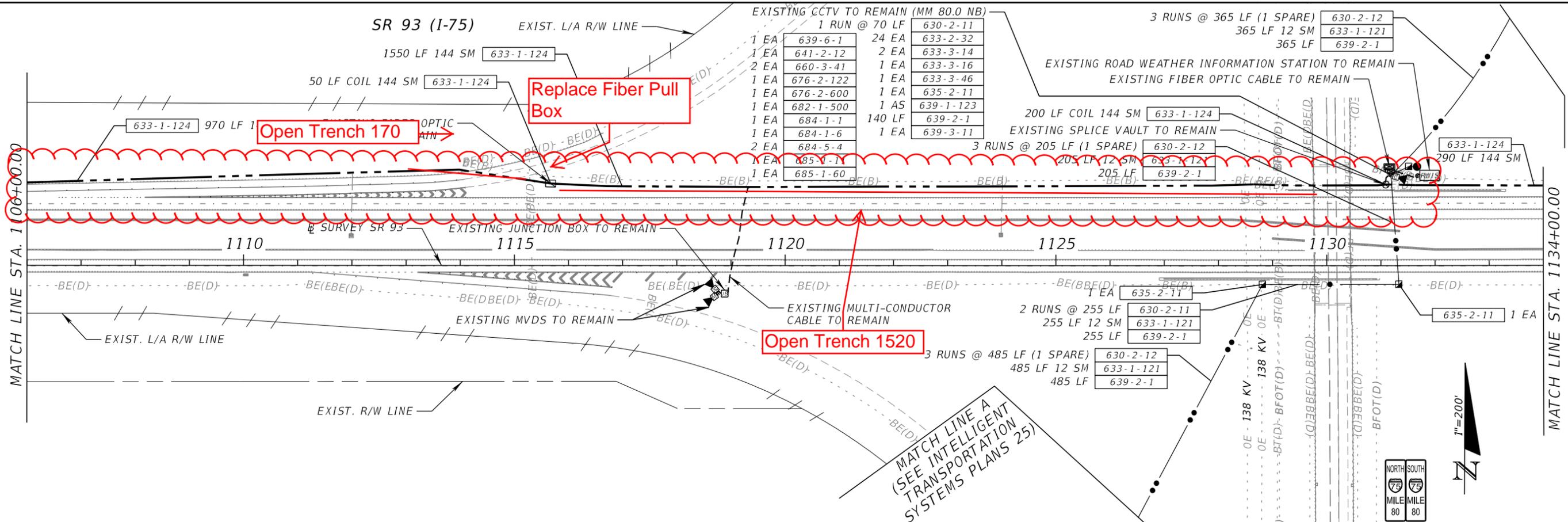
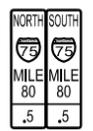
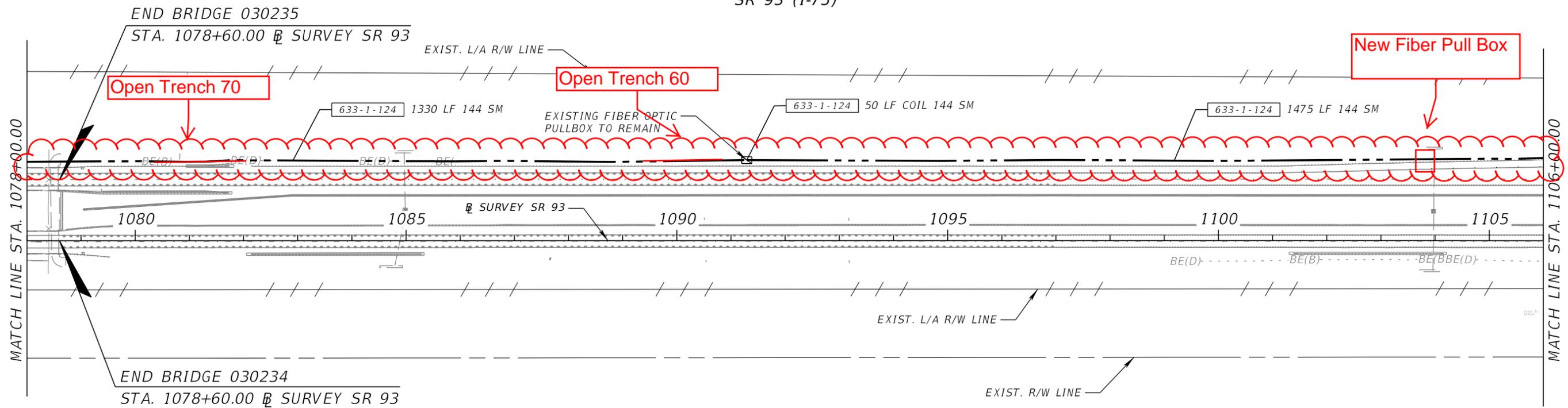
FALLER, DAVIS & ASSOCIATES, INC.
4200 W. CYPRESS ST., SUITE 500
TAMPA, FLORIDA 33607-4168
PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

INTELLIGENT TRANSPORTATION
SYSTEMS PLANS (19)

SHEET NO.
IT-26

SR 93 (I-75)



MATCH LINE B (SEE INTELLIGENT TRANSPORTATION SYSTEMS PLANS 26)

MATCH LINE A (SEE INTELLIGENT TRANSPORTATION SYSTEMS PLANS 25)

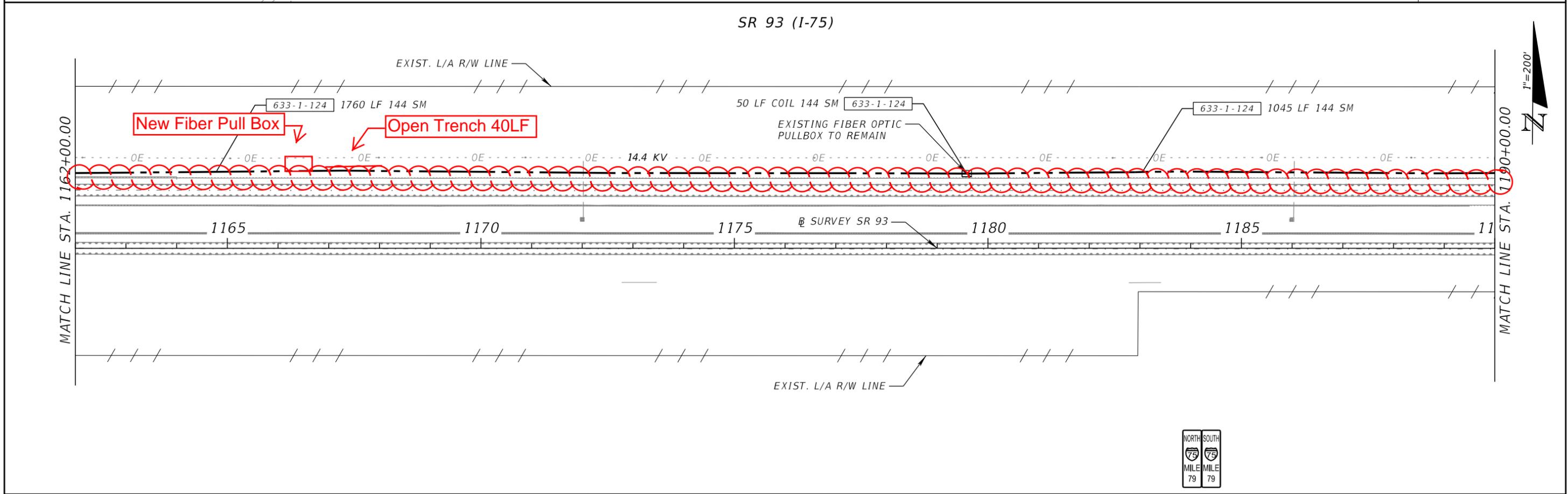
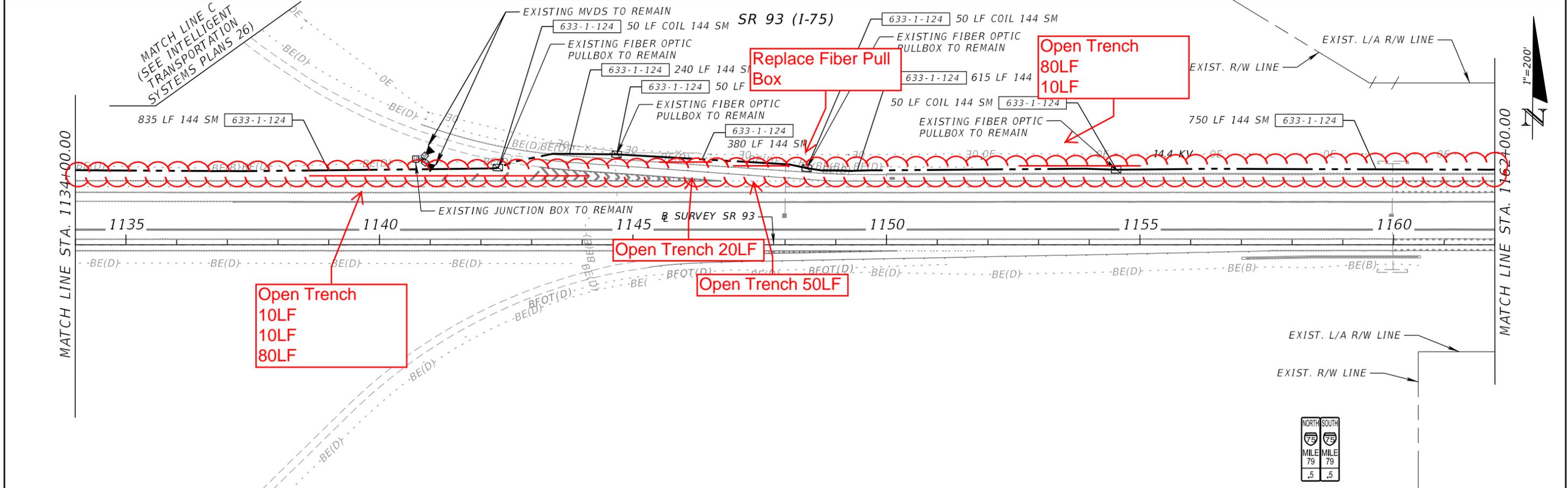
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FALLER, DAVIS & ASSOCIATES, INC.
4200 W. CYPRESS ST., SUITE 500
TAMPA, FLORIDA 33607-4168
PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

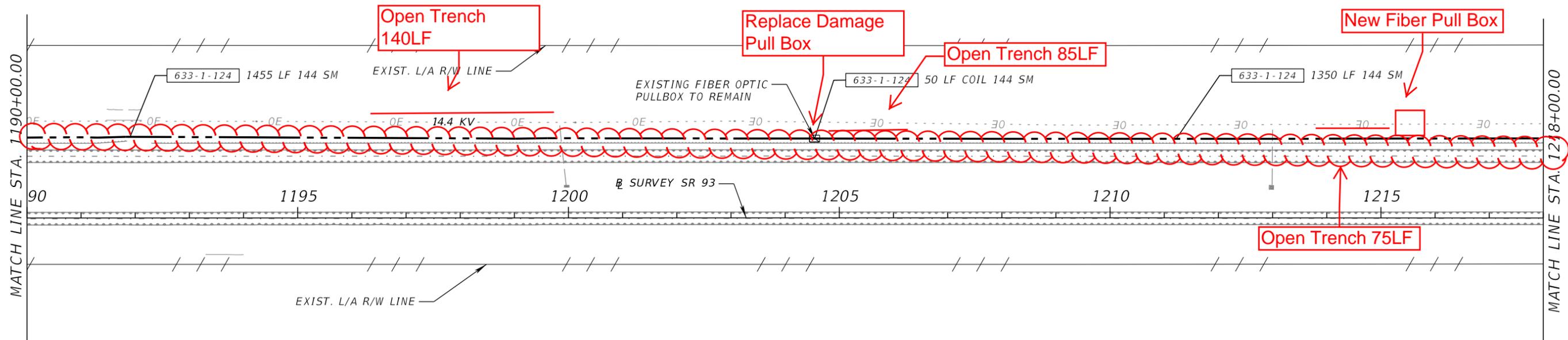
**INTELLIGENT TRANSPORTATION
SYSTEMS PLANS (20)**

SHEET NO.
IT-27

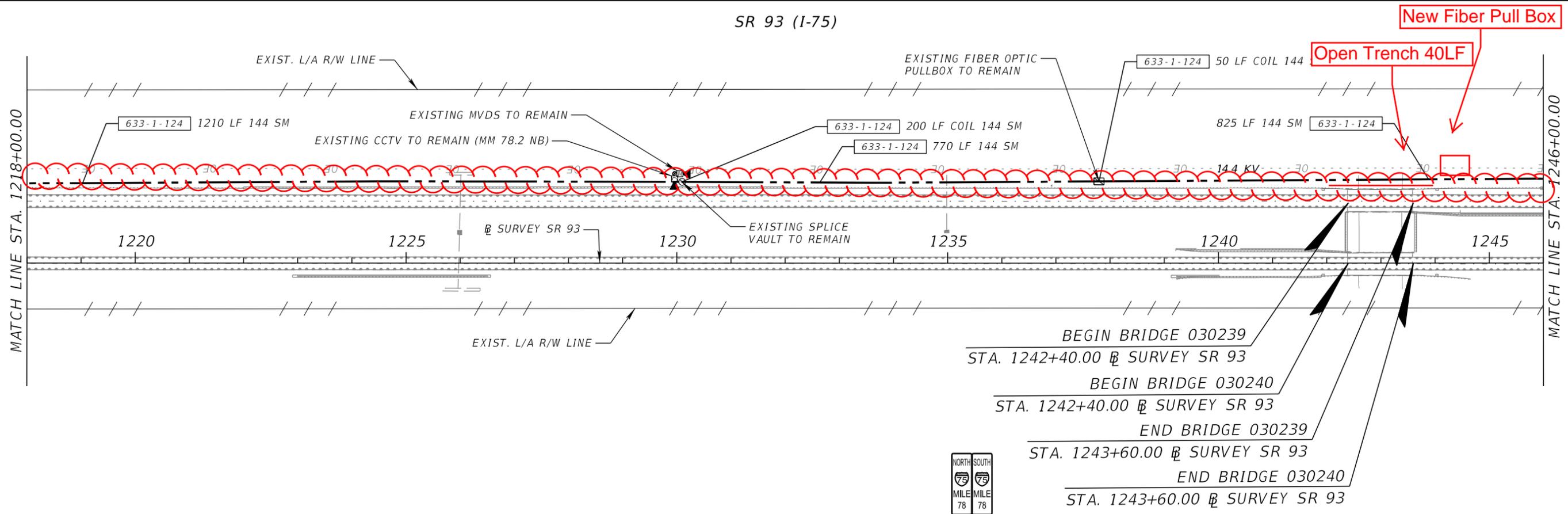


REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (21)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-28
					SR 93	COLLIER	444008-3-52-01		

SR 93 (I-75)



SR 93 (I-75)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

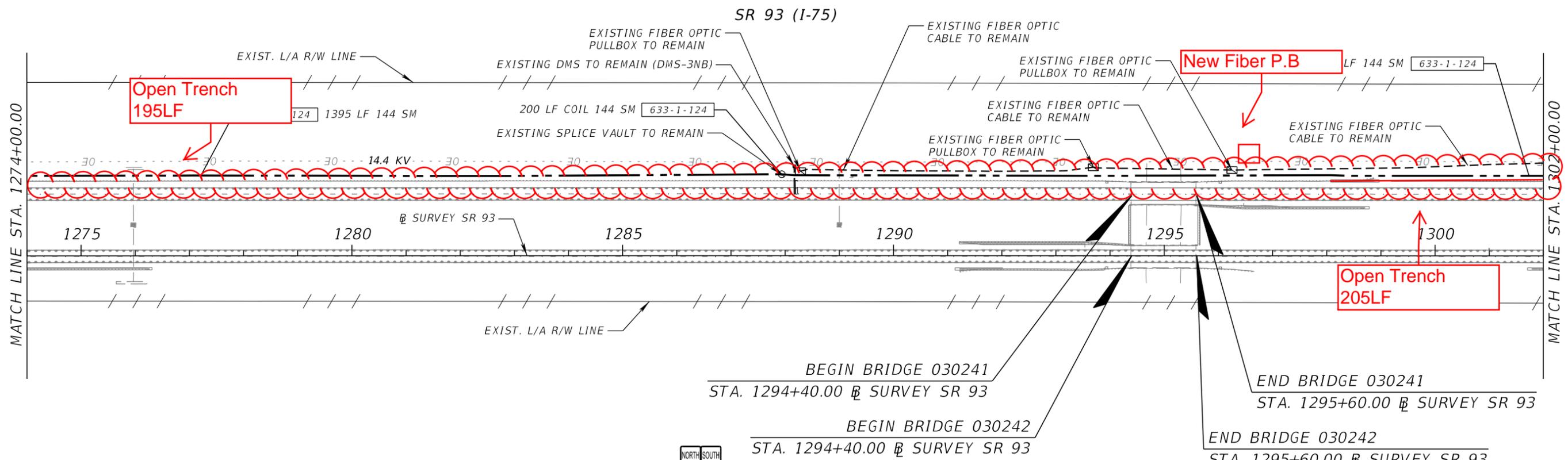
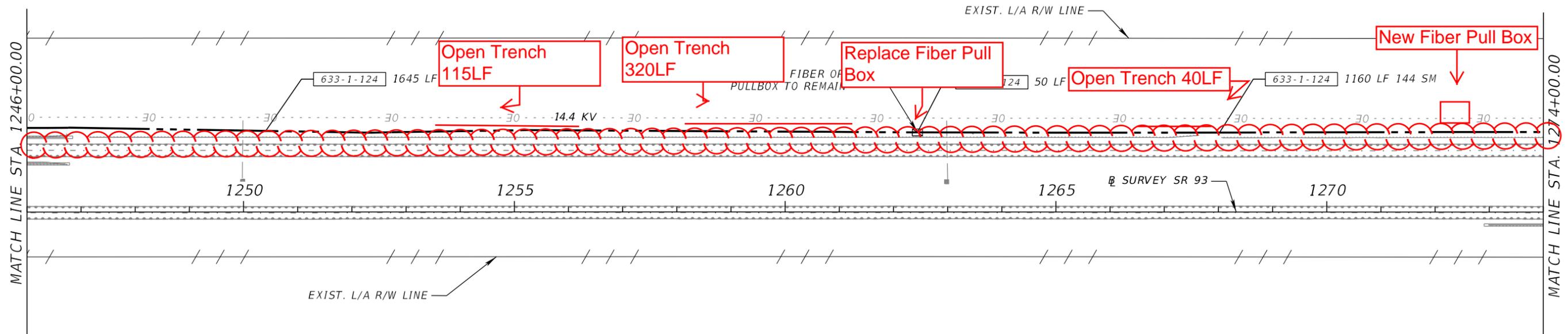
FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

**INTELLIGENT TRANSPORTATION
 SYSTEMS PLANS (22)**

SHEET NO.
IT-29

SR 93 (I-75)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

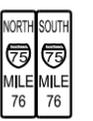
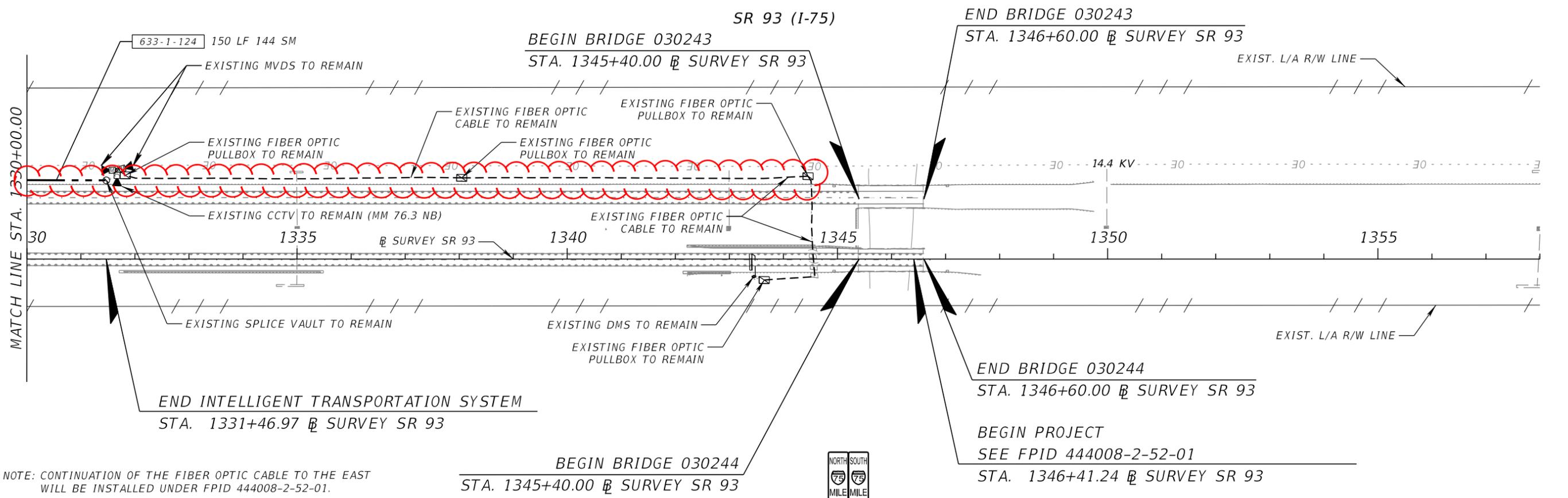
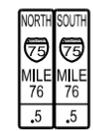
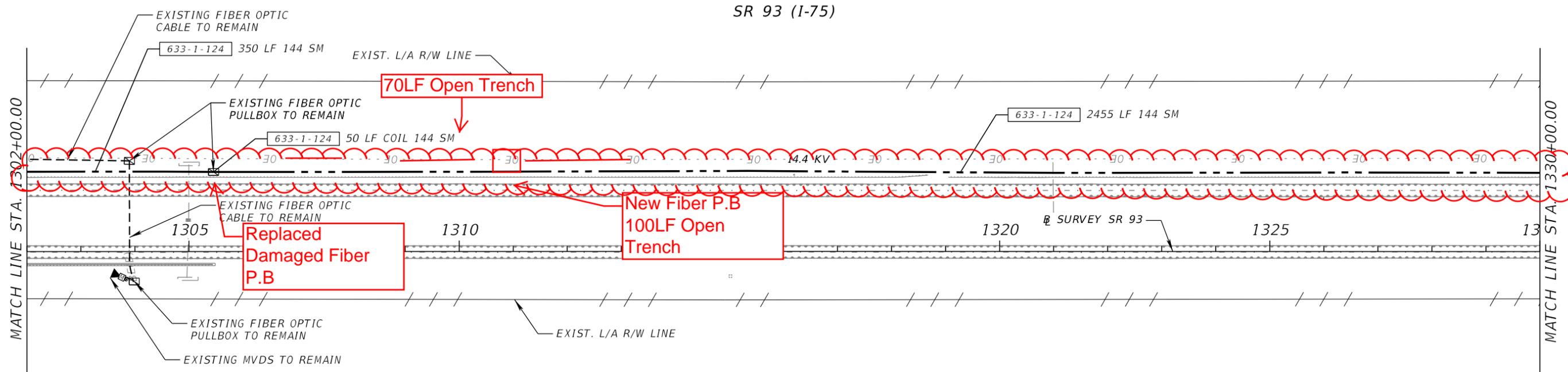
FALLER, DAVIS & ASSOCIATES, INC.
 4200 W. CYPRESS ST., SUITE 500
 TAMPA, FLORIDA 33607-4168
 PATRICIA T. CHRISTIE, P.E. NO.: 60049

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

**INTELLIGENT TRANSPORTATION
 SYSTEMS PLANS (23)**

SHEET NO.
IT-30

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



NOTE: CONTINUATION OF THE FIBER OPTIC CABLE TO THE EAST WILL BE INSTALLED UNDER FPID 444008-2-52-01.

BEGIN BRIDGE 030244
STA. 1345+40.00 @ SURVEY SR 93

END BRIDGE 030244
STA. 1346+60.00 @ SURVEY SR 93

BEGIN PROJECT
SEE FPID 444008-2-52-01
STA. 1346+41.24 @ SURVEY SR 93

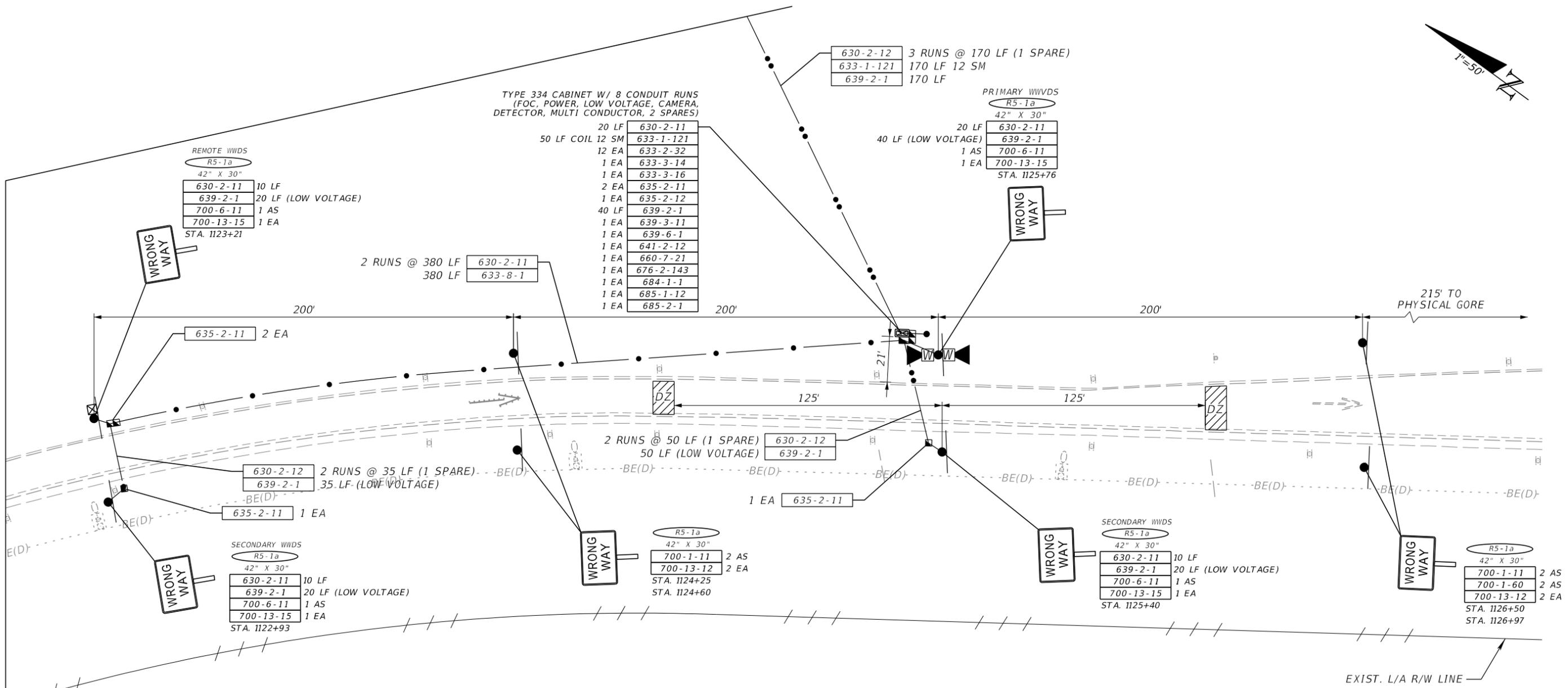
REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (24)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 93	COLLIER	444008-3-52-01		IT-31

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

OFF RAMP: SOUTH I-75 TO SR 29



MATCH LINE A (SEE INTELLIGENT TRANSPORTATION SYSTEMS PLANS 20)



REMOTE WWDS
R5-1a
42" X 30"

630-2-11	10 LF
639-2-1	20 LF (LOW VOLTAGE)
700-6-11	1 AS
700-13-15	1 EA

STA. 1123+21

TYPE 334 CABINET W/ 8 CONDUIT RUNS
(FOC, POWER, LOW VOLTAGE, CAMERA, DETECTOR, MULTI CONDUCTOR, 2 SPARES)

20 LF	630-2-11
50 LF COIL	12 SM 633-1-121
12 EA	633-2-32
1 EA	633-3-14
1 EA	633-3-16
2 EA	635-2-11
1 EA	635-2-12
40 LF	639-2-1
1 EA	639-3-11
1 EA	639-6-1
1 EA	641-2-12
1 EA	660-7-21
1 EA	676-2-143
1 EA	684-1-1
1 EA	685-1-12
1 EA	685-2-1

630-2-12	3 RUNS @ 170 LF (1 SPARE)
633-1-121	170 LF 12 SM
639-2-1	170 LF

PRIMARY WWDS
R5-1a
42" X 30"

20 LF	630-2-11
40 LF (LOW VOLTAGE)	639-2-1
1 AS	700-6-11
1 EA	700-13-15

STA. 1125+76

SECONDARY WWDS
R5-1a
42" X 30"

630-2-11	10 LF
639-2-1	20 LF (LOW VOLTAGE)
700-6-11	1 AS
700-13-15	1 EA

STA. 1122+93

R5-1a
42" X 30"

700-1-11	2 AS
700-13-12	2 EA

STA. 1124+25
STA. 1124+60

SECONDARY WWDS
R5-1a
42" X 30"

630-2-11	10 LF
639-2-1	20 LF (LOW VOLTAGE)
700-6-11	1 AS
700-13-15	1 EA

STA. 1125+40

R5-1a
42" X 30"

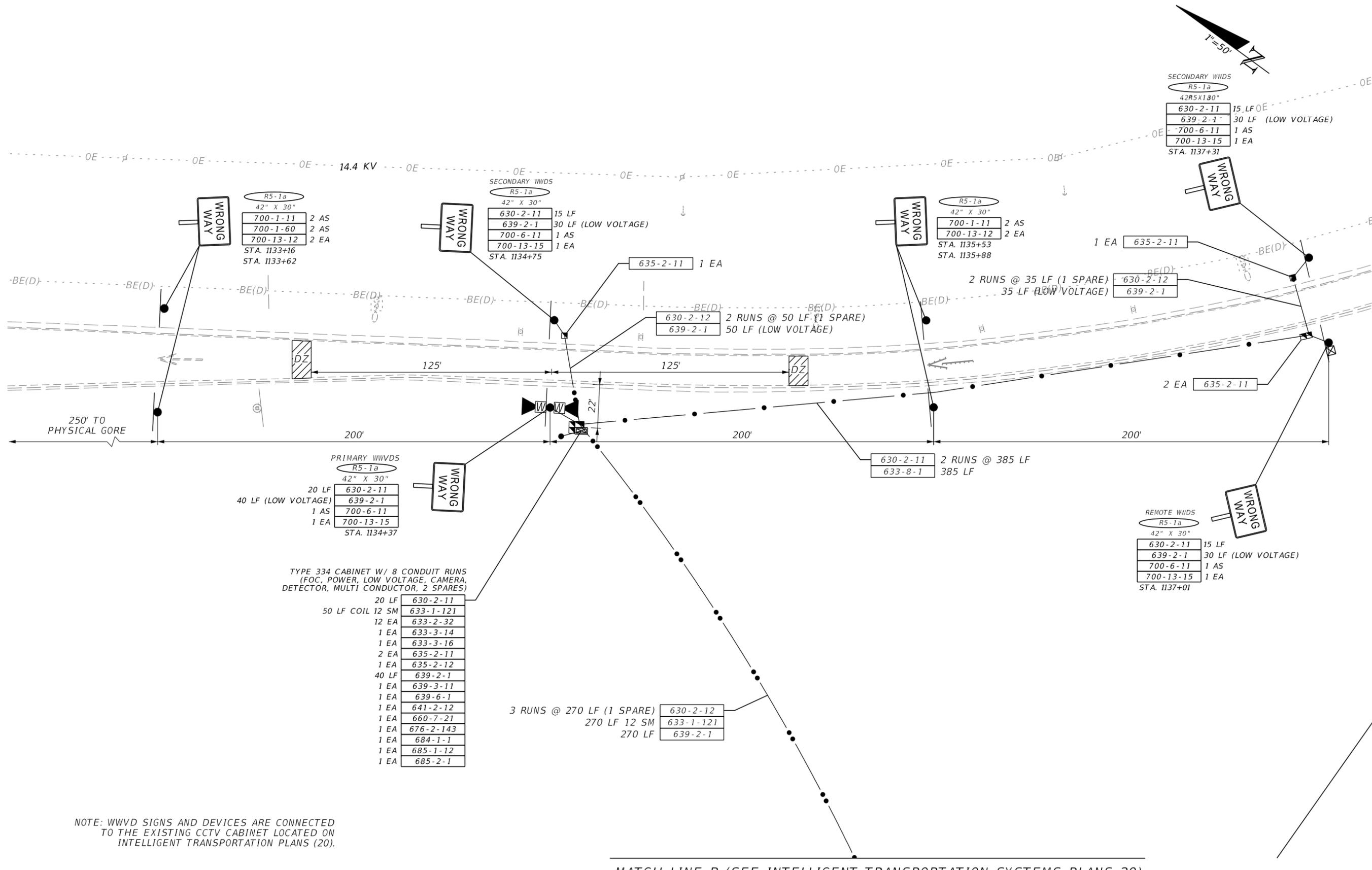
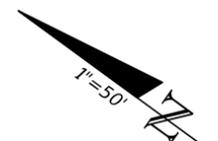
700-1-11	2 AS
700-1-60	2 AS
700-13-12	2 EA

STA. 1126+50
STA. 1126+97

NOTE: WWVD SIGNS AND DEVICES ARE CONNECTED TO THE EXISTING CCTV CABINET LOCATED ON INTELLIGENT TRANSPORTATION PLANS (20).

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (25)	SHEET NO. IT-32
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 93	COLLIER	444008-3-52-01		

OFF RAMP: NORTH I-75 TO SR 29



- 20 LF 630-2-11
- 50 LF COIL 12 SM 633-1-121
- 12 EA 633-2-32
- 1 EA 633-3-14
- 1 EA 633-3-16
- 2 EA 635-2-11
- 1 EA 635-2-12
- 40 LF 639-2-1
- 1 EA 639-3-11
- 1 EA 639-6-1
- 1 EA 641-2-12
- 1 EA 660-7-21
- 1 EA 676-2-143
- 1 EA 684-1-1
- 1 EA 685-1-12
- 1 EA 685-2-1

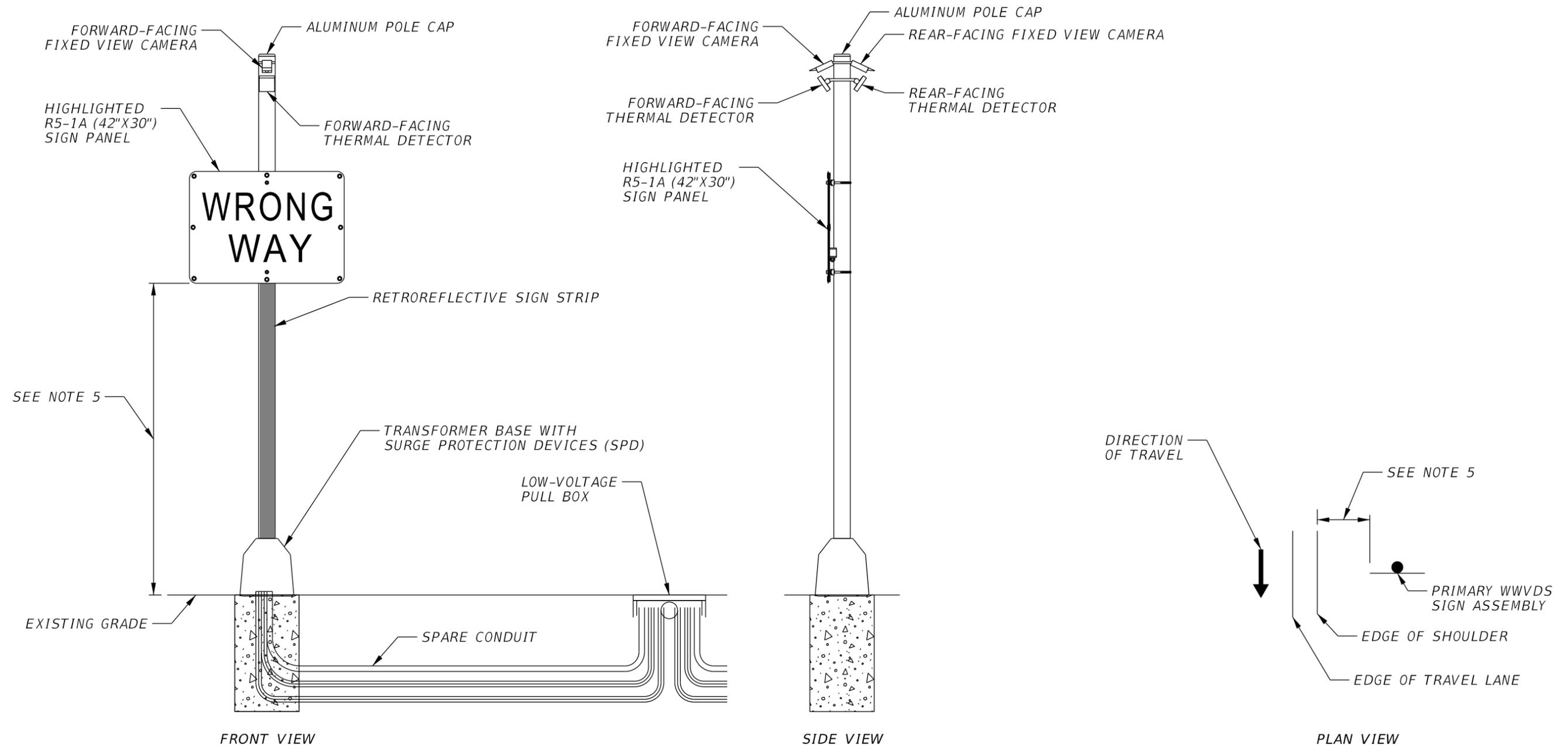
NOTE: WWVD SIGNS AND DEVICES ARE CONNECTED TO THE EXISTING CCTV CABINET LOCATED ON INTELLIGENT TRANSPORTATION PLANS (20).

MATCH LINE B (SEE INTELLIGENT TRANSPORTATION SYSTEMS PLANS 20)

MATCH LINE C (SEE INTELLIGENT TRANSPORTATION SYSTEMS PLANS 21)

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 4200 W. CYPRESS ST., SUITE 500 TAMPA, FLORIDA 33607-4168 PATRICIA T. CHRISTIE, P.E. NO.: 60049	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTELLIGENT TRANSPORTATION SYSTEMS PLANS (26)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 93	COLLIER	444008-3-52-01		

PRIMARY WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS) DETAIL
NTS

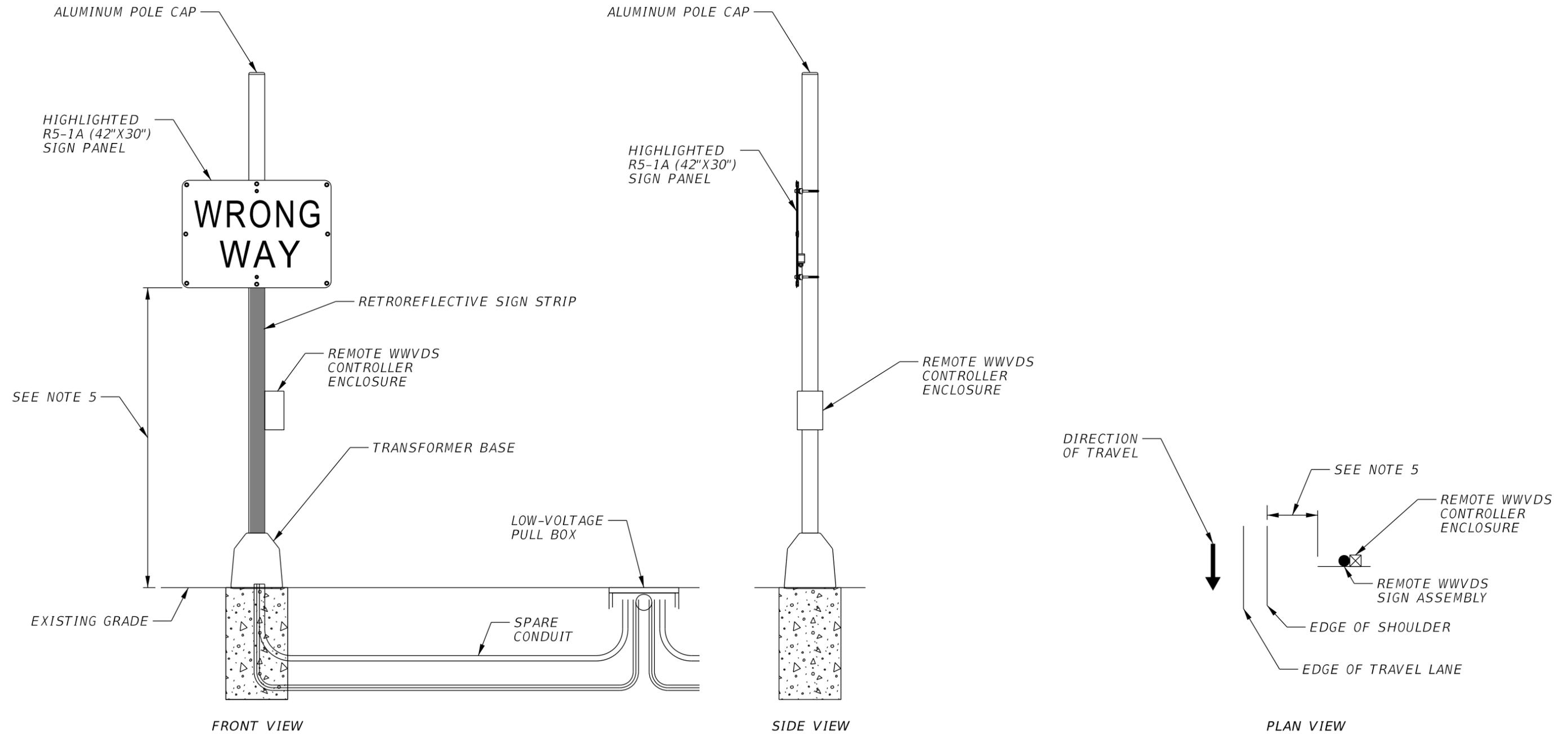


NOTES:

1. WWVDS TO BE GROUNDED PER SECTION 620 OF THE STANDARD SPECIFICATIONS.
2. WWVDS INFRASTRUCTURE TO BE MOUNTED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. IF REQUIRED, HOLES DRILLED IN SIGN COLUMN FOR WIRE ENTRY SHALL USE A BUSHING OR RUBBER GROMMET TO PROTECT CONDUCTORS.
4. SHOP DRAWINGS SHALL BE SUBMITTED TO THE EOR FOR REVIEW.
5. SEE STANDARD PLAN INDEX 700-101 FOR SIGN PLACEMENT AND MOUNTING HEIGHT REQUIREMENTS.
6. SEE STANDARD PLAN INDEX 700-120 FOR ADDITIONAL DETAILS.

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 2301 MAITLAND CENTER PKWY., SUITE 265 MAITLAND, FLORIDA 32751 NICHOLAS J. SPATOLA, P.E. NO.: 76103	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. IT-34
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 93	COLLIER	444008-3-52-01	

REMOTE WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS) DETAIL
NTS



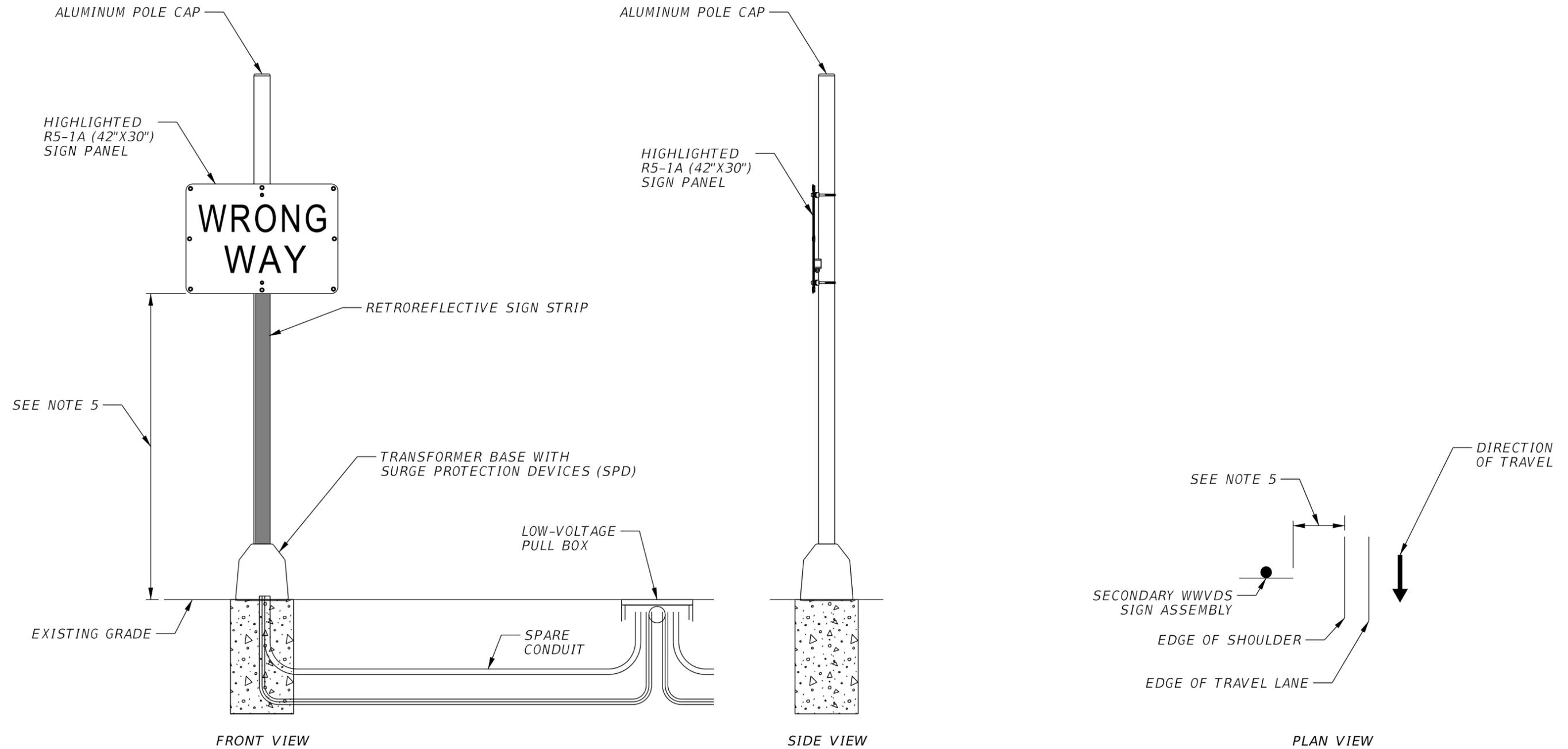
NOTES:

1. WWVDS TO BE GROUNDED PER SECTION 620 OF THE STANDARD SPECIFICATIONS.
2. WWVDS INFRASTRUCTURE TO BE MOUNTED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. IF REQUIRED, HOLES DRILLED IN SIGN COLUMN FOR WIRE ENTRY SHALL USE A BUSHING OR RUBBER GROMMET TO PROTECT CONDUCTORS.
4. SHOP DRAWINGS SHALL BE SUBMITTED TO THE EOR FOR REVIEW.
5. SEE STANDARD PLAN INDEX 700-101 FOR SIGN PLACEMENT AND MOUNTING HEIGHT REQUIREMENTS.
6. SEE STANDARD PLAN INDEX 700-120 FOR ADDITIONAL DETAILS.

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 2301 MAITLAND CENTER PKWY., SUITE 265 MAITLAND, FLORIDA 32751 NICHOLAS J. SPATOLA, P.E. NO.: 76103	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			WWVDS DETAIL (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 93	COLLIER		444008-3-52-01

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SECONDARY WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS) DETAIL
NTS



NOTES:

1. WWVDS TO BE GROUNDED PER SECTION 620 OF THE STANDARD SPECIFICATIONS.
2. WWVDS INFRASTRUCTURE TO BE MOUNTED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. IF REQUIRED, HOLES DRILLED IN SIGN COLUMN FOR WIRE ENTRY SHALL USE A BUSHING OR RUBBER GROMMET TO PROTECT CONDUCTORS.
4. SHOP DRAWINGS SHALL BE SUBMITTED TO THE EOR FOR REVIEW.
5. SEE STANDARD PLAN INDEX 700-101 FOR SIGN PLACEMENT AND MOUNTING HEIGHT REQUIREMENTS.
6. SEE STANDARD PLAN INDEX 700-120 FOR ADDITIONAL DETAILS.

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 2301 MAITLAND CENTER PKWY., SUITE 265 MAITLAND, FLORIDA 32751 NICHOLAS J. SPATOLA, P.E. NO.: 76103	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			WWVDS DETAIL (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-36
					SR 93	COLLIER	444008-3-52-01		

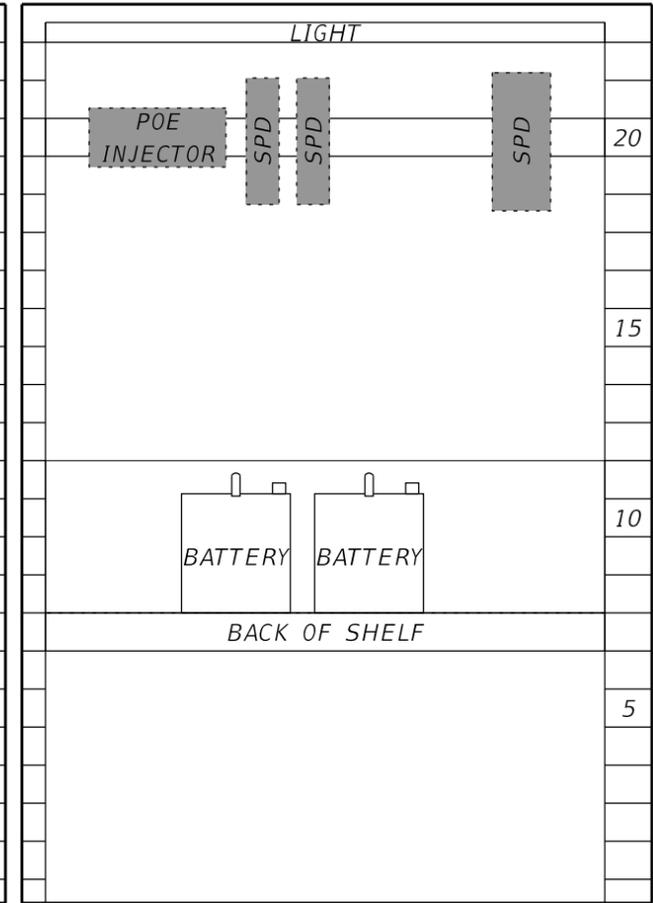
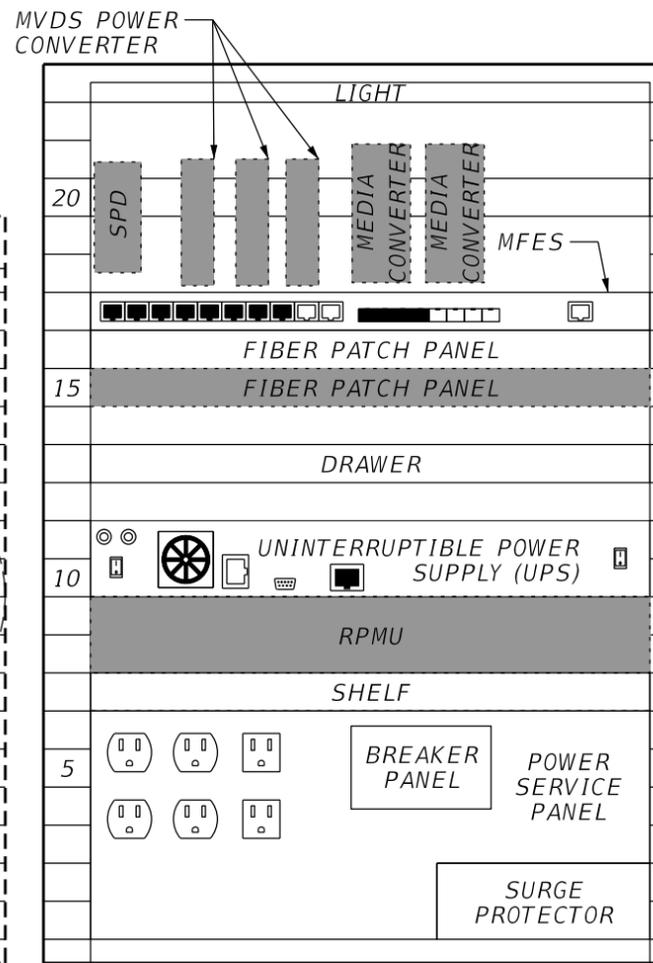
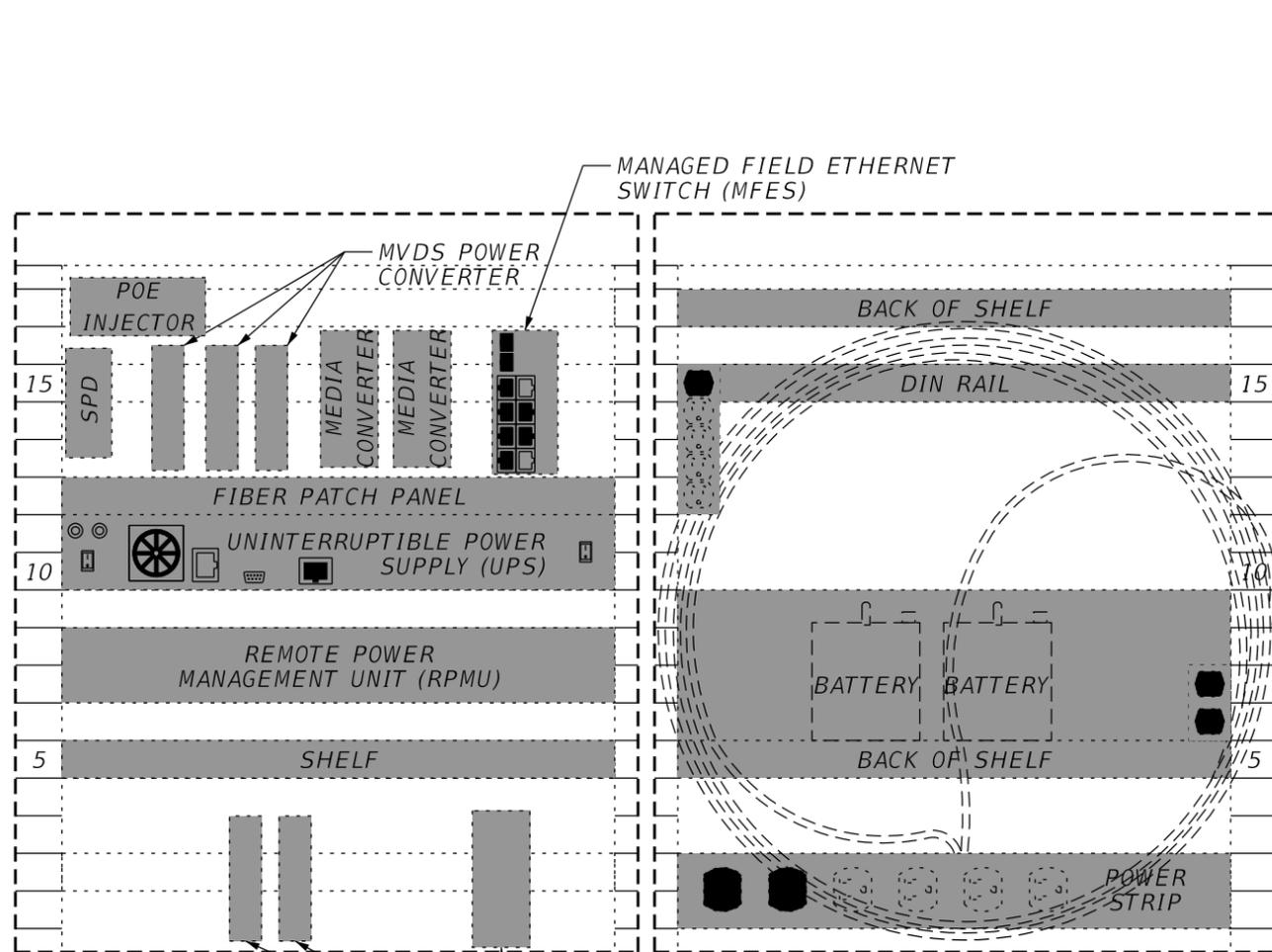
EXISTING AND PROPOSED ITS HUB CABINET INSTALLATION DETAILS

FRONT VIEW OF EXISTING ITS CABINET

REAR VIEW OF EXISTING ITS CABINET

FRONT VIEW OF PROPOSED TYPE 336S CABINET

REAR VIEW OF PROPOSED TYPE 336S CABINET



LEGEND

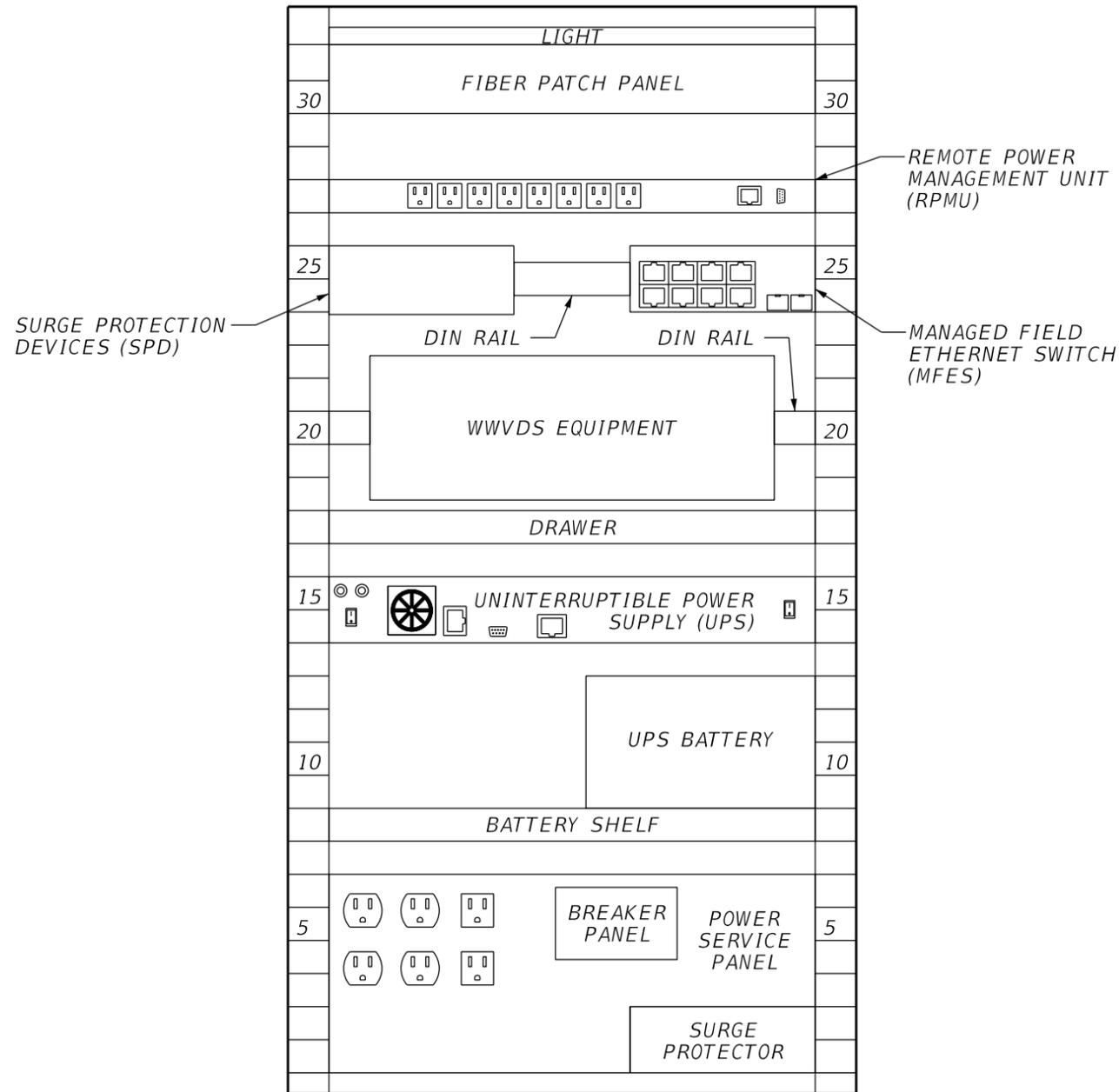
- EXISTING EQUIPMENT
- PROPOSED EQUIPMENT
- AVAILABLE 120 V OUTLET
- UNAVAILABLE 120 V OUTLET
- PROPOSED NETWORK CONNECTION
- PROPOSED POWER CONNECTION
- AVAILABLE SFC/RJ45 PORT
- UNAVAILABLE SFC/RJ45 PORT

NOTES:

1. EXISTING ITS CABINET TO BE REMOVED. EXISTING EQUIPMENT TO BE RELOCATED TO PROPOSED ITS CABINET UNLESS OTHERWISE SHOWN.
2. EXISTING CONNECTIONS TO BE REESTABLISHED FOR RELOCATED EQUIPMENT. CONNECT WWVDS USING PROPOSED FIBER PATCH PANEL AND PROPOSED MFES.
3. DISCONNECT AND RECONNECT EXISTING FIBER OPTIC DROP CABLE TO EXISTING PATCH PANEL RELOCATED TO PROPOSED CABINET.
4. PROPOSED EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING SYSTEM. IP ADDRESSES AND PORT ASSIGNMENTS ARE TO BE COORDINATED WITH FDOT DISTRICT 1 AT (239) 225-1900.

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 2301 MAITLAND CENTER PKWY., SUITE 265 MAITLAND, FLORIDA 32751 NICHOLAS J. SPATOLA, P.E. NO.: 76103	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			WWVDS DETAIL (4)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-37
					SR 93	COLLIER	444008-3-52-01		

TYPICAL PRIMARY WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS)
TYPE 334 CABINET INSTALLATION DETAILS



LEGEND:

PROPOSED EQUIPMENT

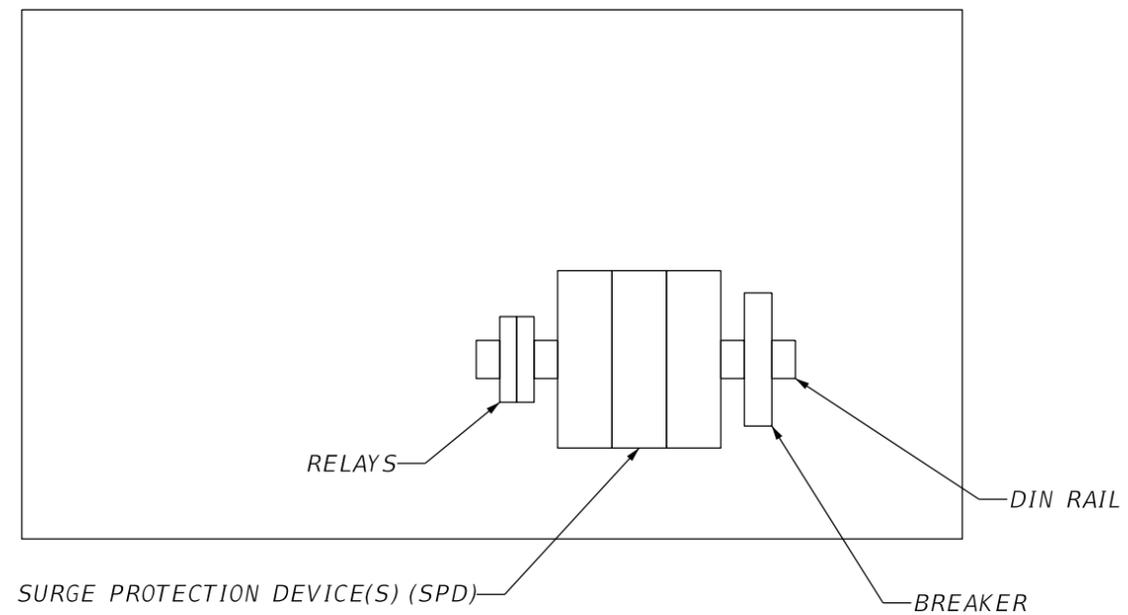
120 V OUTLET

AVAILABLE SFP/RJ45 PORT

NOTE:

NUMBER OF BATTERIES MAY VARY.

TYPICAL REMOTE WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS)
ENCLOSURE DETAILS

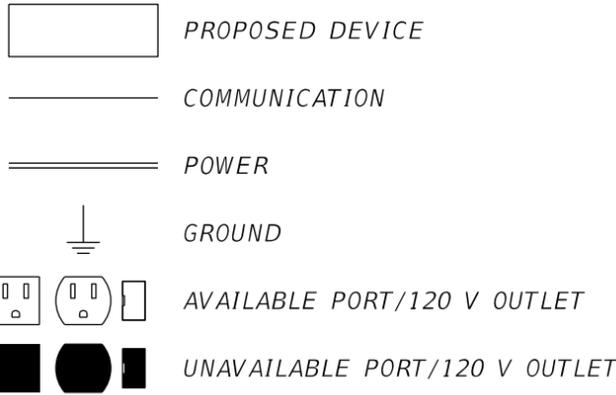


NOTE:

SIZE CABINET TO HOUSE ALL REQUIRED EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. CABINET TYPE AND MATERIAL SHOULD AT A MINIMUM MEET THE REQUIREMENTS OF SECTION 676 OF THE FDOT STANDARD SPECIFICATIONS.

REVISIONS				FALLER, DAVIS & ASSOCIATES, INC. 2301 MAITLAND CENTER PKWY., SUITE 265 MAITLAND, FLORIDA 32751 NICHOLAS J. SPATOLA, P.E. NO.: 76103	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. IT-38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 93	COLLIER	444008-3-52-01	

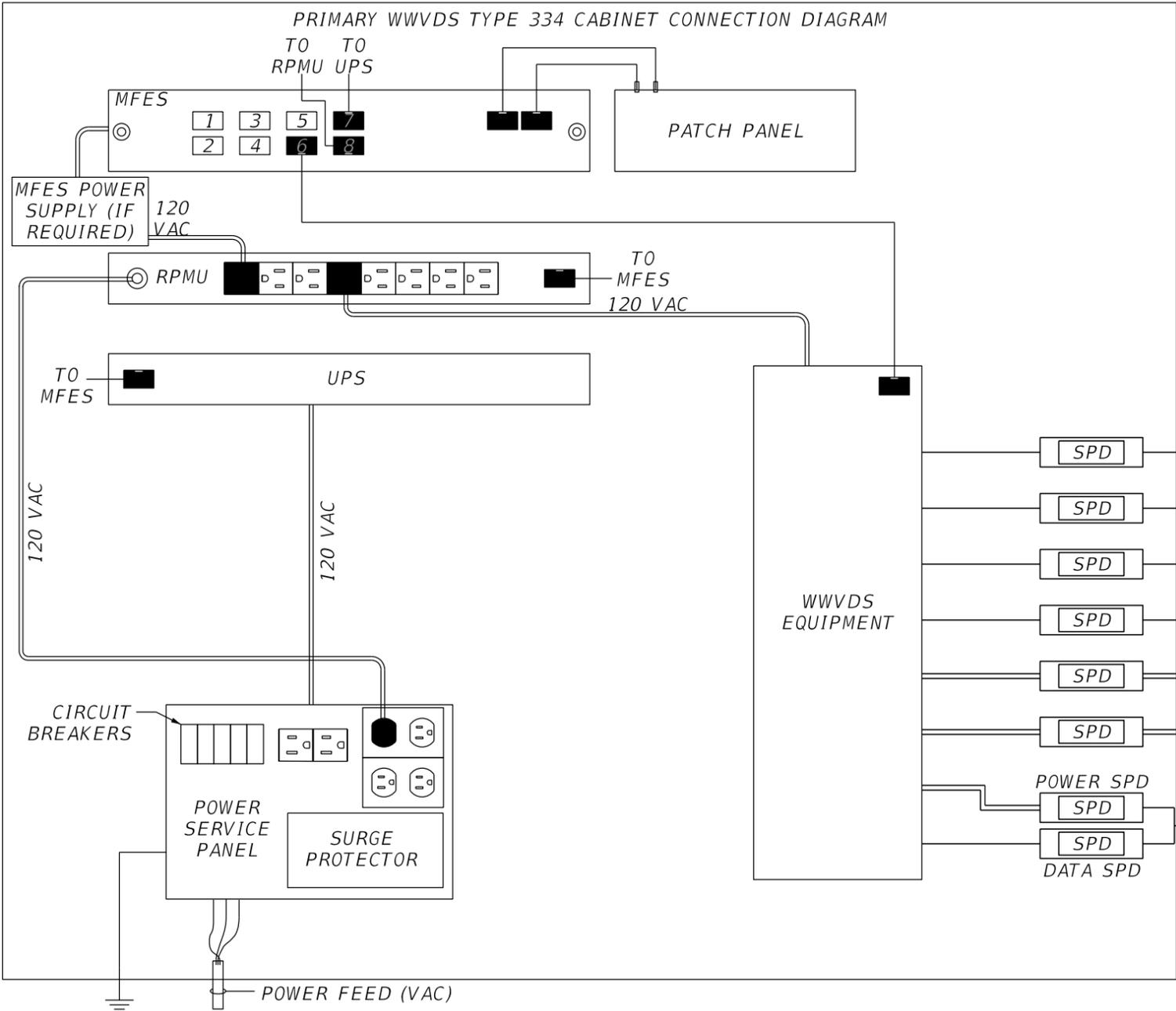
LEGEND



PRIMARY WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS) WIRING DIAGRAM

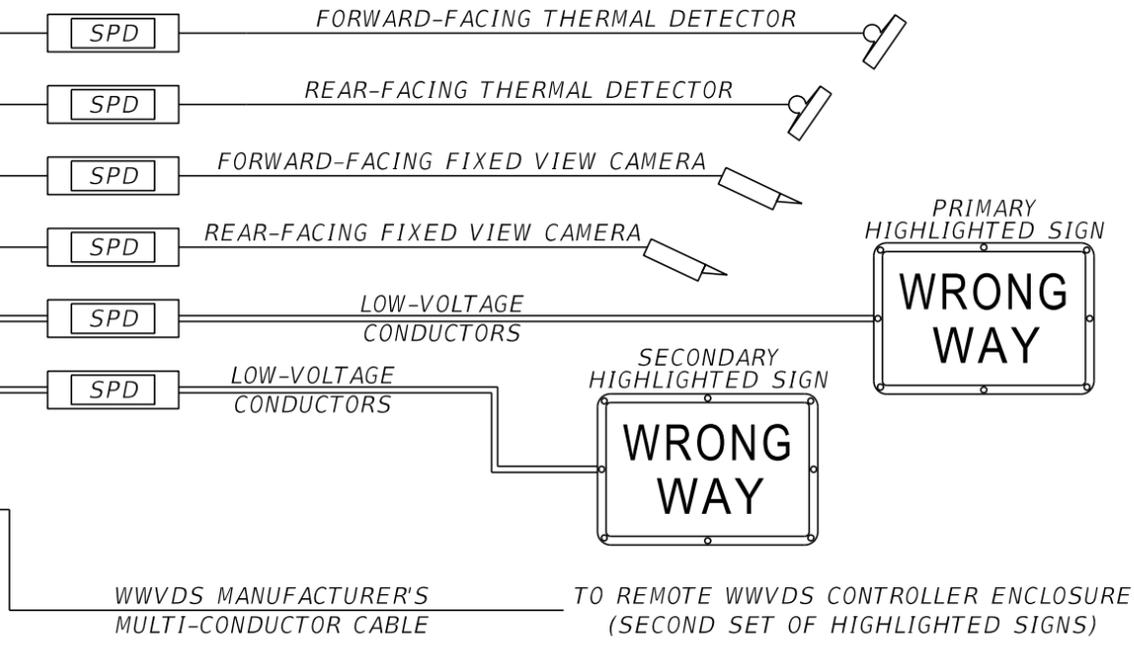
ACRONYMS

- MFES MANAGED FIELD ETHERNET SWITCH
- RPMU REMOTE POWER MANAGEMENT UNIT
- SPD SURGE PROTECTION DEVICE
- UPS UNINTERRUPTIBLE POWER SUPPLY
- VAC VOLTAGE ALTERNATING CURRENT



NOTES:

- 1. WWVDS CONNECTIONS TO MEET MANUFACTURER'S RECOMMENDATIONS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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WWVDS DETAIL (6)
 SHEET NO.
 IT-39

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

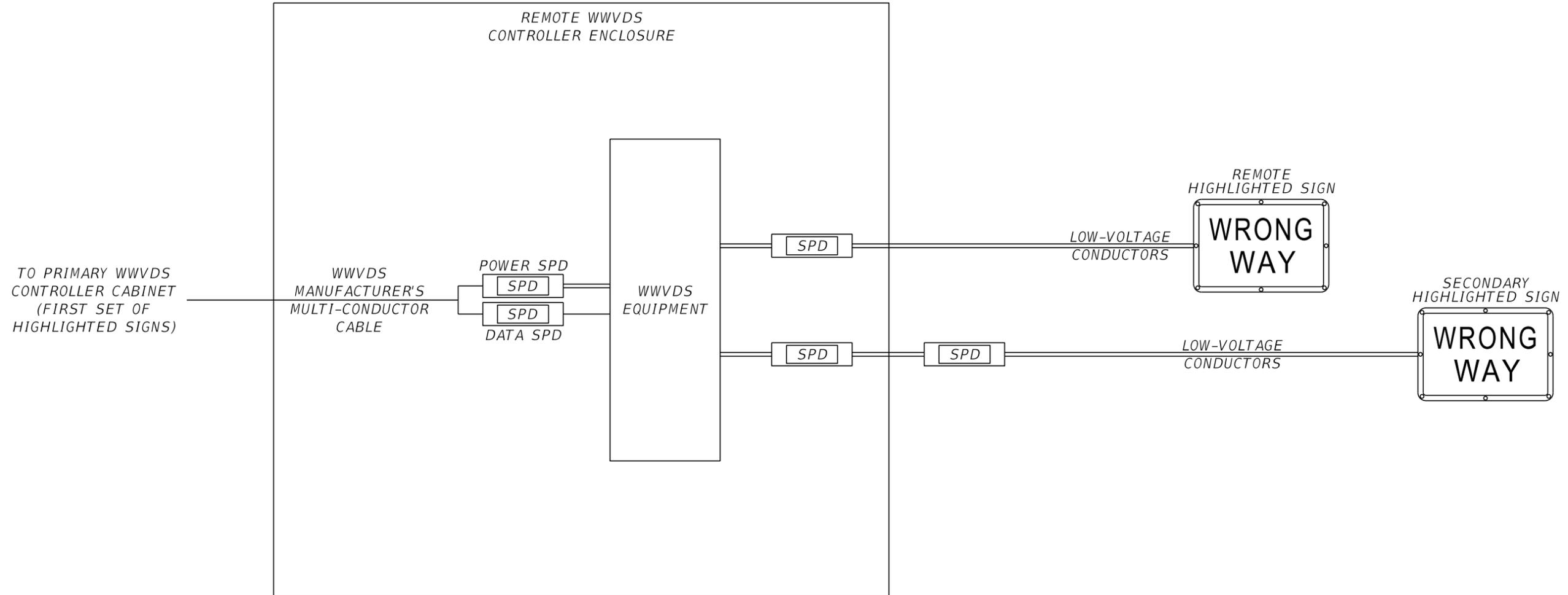
REMOTE WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS) WIRING DIAGRAM

LEGEND

- PROPOSED DEVICE
- COMMUNICATION
- POWER

ACRONYMS

SPD SURGE PROTECTION DEVICE



NOTES:

1. WWVDS CONNECTIONS TO MEET MANUFACTURER'S RECOMMENDATIONS.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-40
					SR 93	COLLIER	444008-3-52-01		

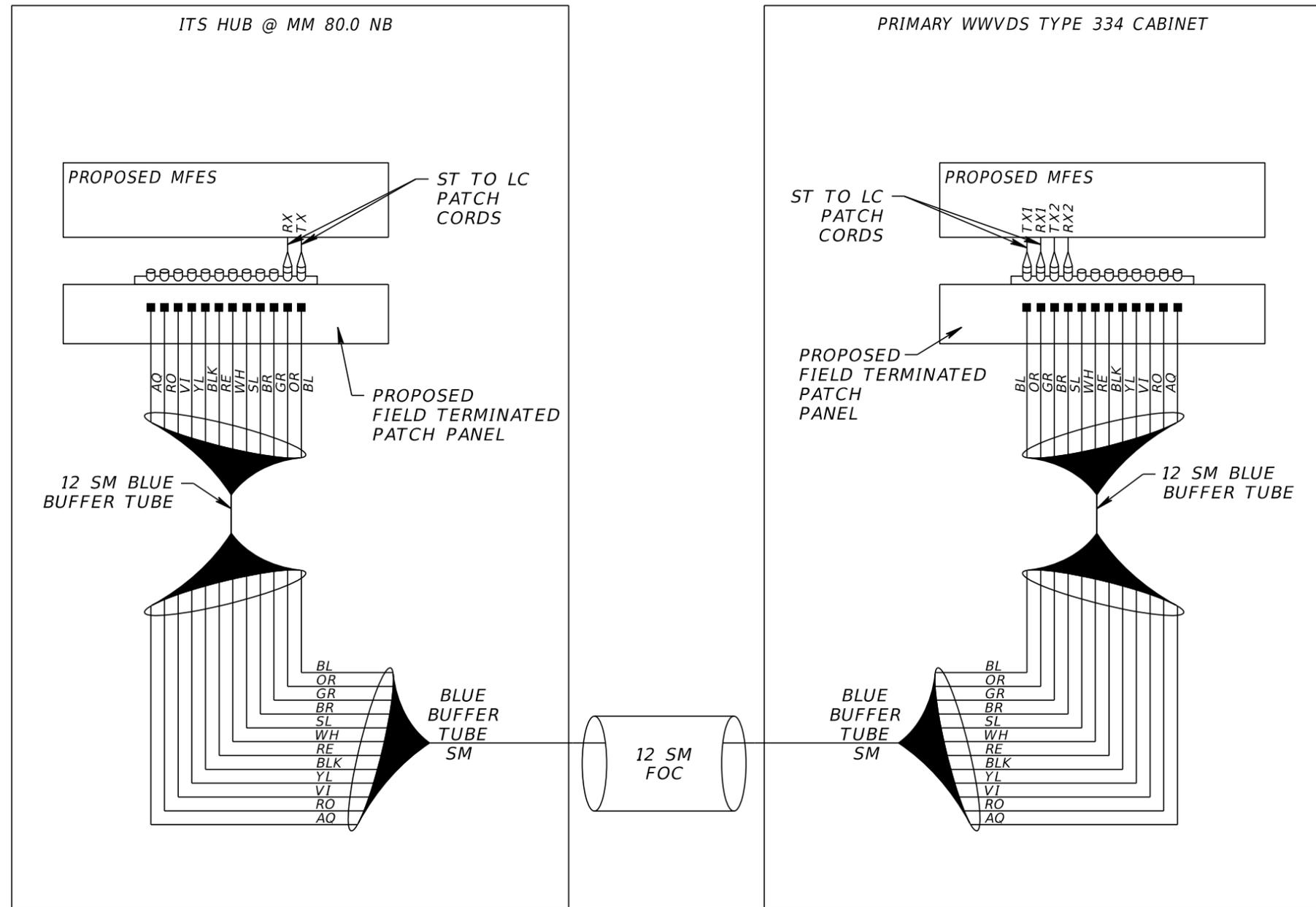
PRIMARY WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS) TYPICAL SPLICE DIAGRAM

LEGEND

- = FUSION SPLICE
- = EXISTING FUSION SPLICE
- × = NON-CONNECTED FIBER
- = PRE-TERMINATED CONNECTION
- = PROPOSED TERMINATION
- = PROPOSED CABLE/EQUIPMENT
- - = EXISTING CABLE/EQUIPMENT
- MFES = MANAGED FIELD ETHERNET SWITCH
- SM = SINGLE MODE
- MM = MULTIMODE
- ST = STRAIGHT TIP CONNECTOR
- SC = SQUARE CONNECTOR
- LC = LUCENT CONNECTOR
- FOC = FIBER OPTIC CABLE
- TX = TRANSMIT
- RX = RECEIVE
- BL = BLUE
- OR = ORANGE
- GR = GREEN
- BR = BROWN
- SL = SLATE
- WH = WHITE
- RE = RED
- BLK = BLACK
- YL = YELLOW
- VI = VIOLET
- RO = ROSE
- AQ = AQUA

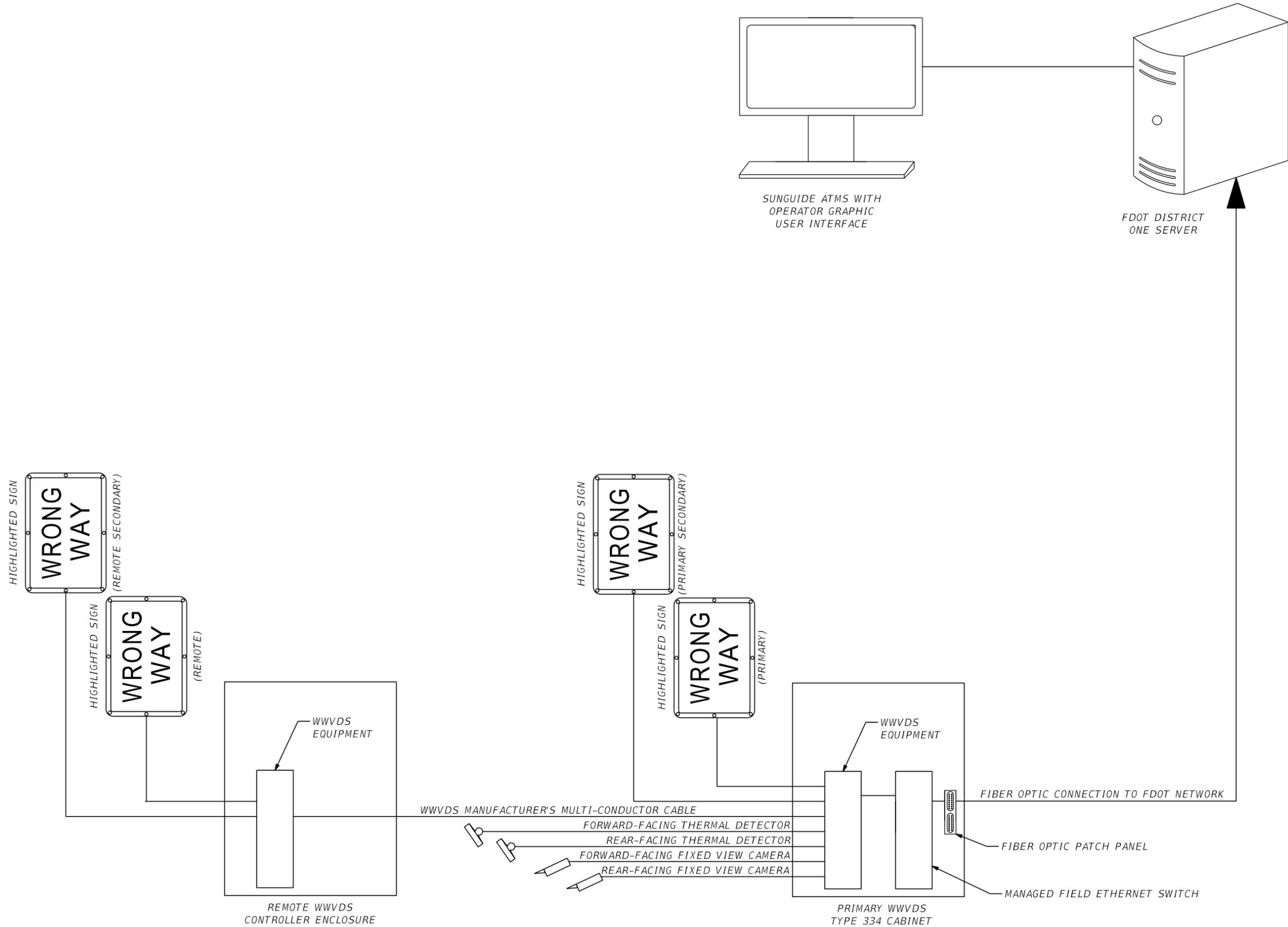
NOTES:

1. UNUSED BUFFER TUBES SHALL BE COILED AND STORED IN ENCLOSURE OR PATCH PANEL UNLESS OTHERWISE SHOWN.
2. ALL EXISTING FIBER OPTIC SPLICES AND TERMINATIONS TO REMAIN UNLESS OTHERWISE SHOWN.
3. ALL EXISTING CONNECTIONS ARE TO REMAIN UNLESS OTHERWISE NOTED.
4. FOC SHALL NOT BE COILED INSIDE THE CABINET. FOC SHALL BE COILED AND STORED IN THE SPLICE BOX OR SPLICE VAULT ADJACENT TO THE CABINET.



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 93	COLLIER	444008-3-52-01	

WRONG WAY VEHICLE DETECTION SYSTEM (WWVDS) NETWORK DIAGRAM



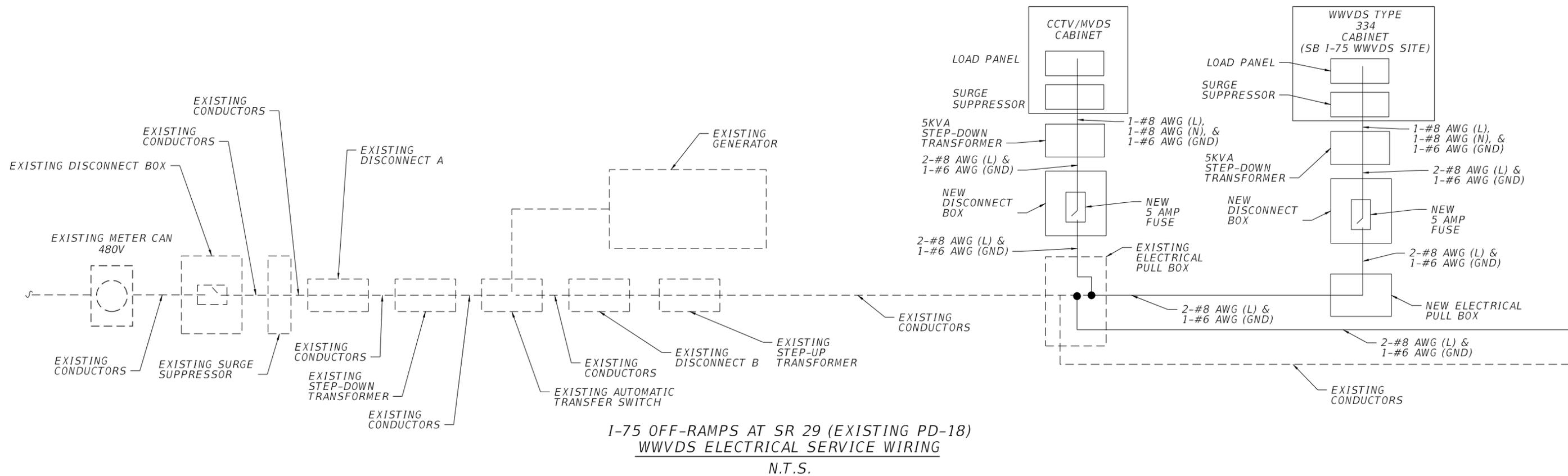
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 2301 MAITLAND CENTER PKWY., SUITE 265
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 NICHOLAS J. SPATOLA, P.E. NO.: 76103

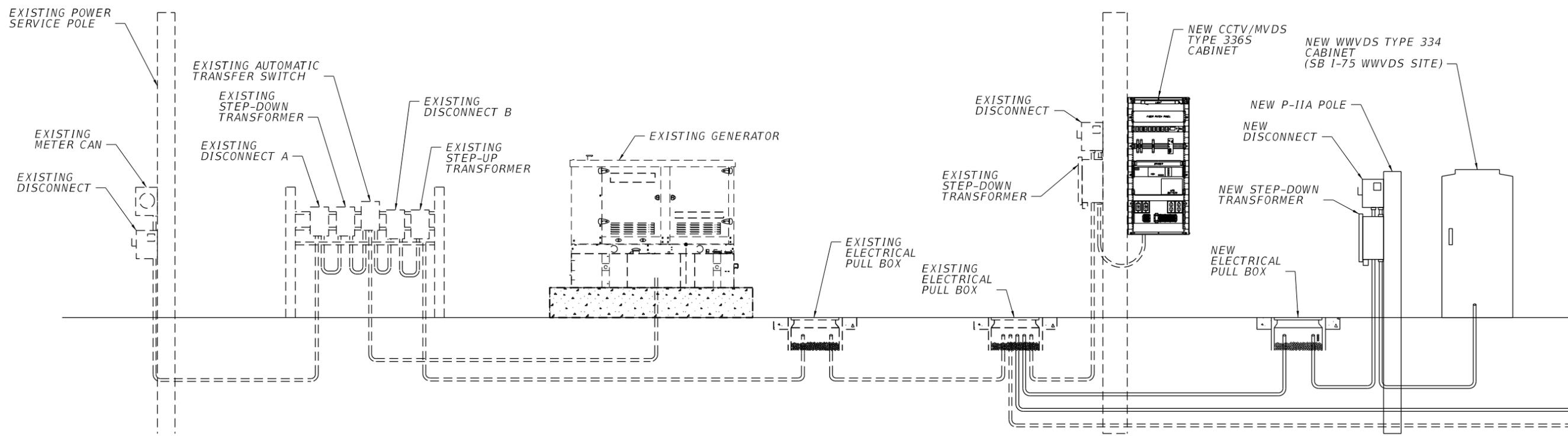
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

**WWVDS NETWORK
COMMUNICATION DIAGRAM**

SHEET NO.
IT-42



I-75 OFF-RAMPS AT SR 29 (EXISTING PD-18)
 WWVDS ELECTRICAL SERVICE WIRING
 N.T.S.

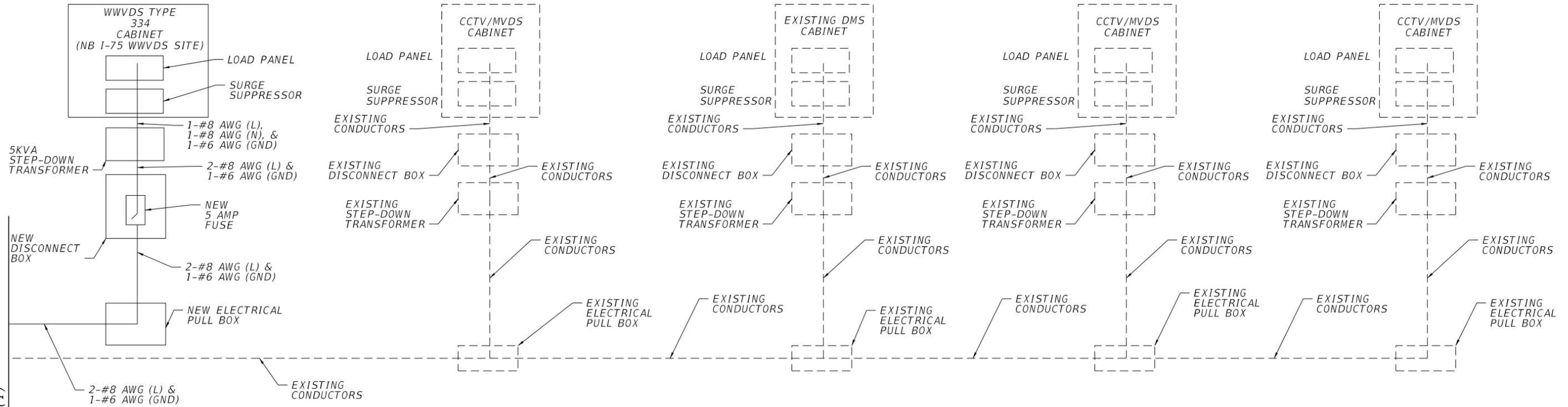


I-75 OFF-RAMPS AT SR 29 (EXISTING PD-18)
 WWVDS ELECTRICAL SERVICE LAYOUT
 N.T.S.

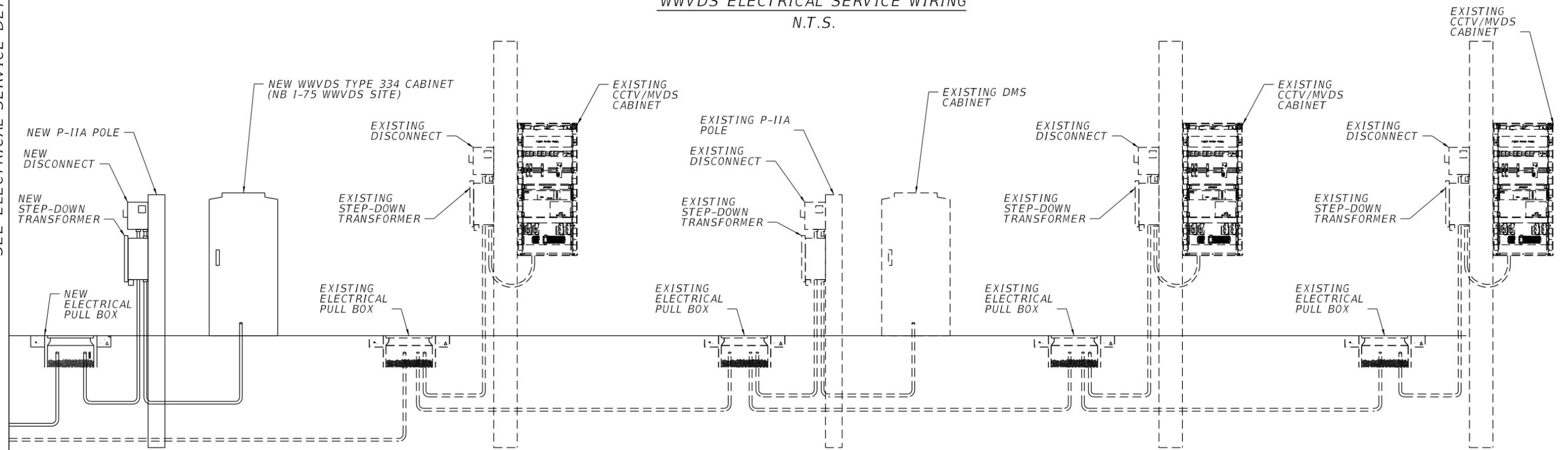
SEE ELECTRICAL SERVICE DETAIL (2)

REVISIONS				VIBE 6914 WEST LINBAUGH AVENUE TAMPA, FL 33625 NATHAN J. POOLE, P.E. NO.: 79444	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ELECTRICAL SERVICE DETAIL (1)	SHEET NO. IT-43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 93	COLLIER	444008-3-52-01		

SEE ELECTRICAL SERVICE DETAIL (1)



I-75 OFF-RAMPS AT SR 29 (EXISTING PD-18)
 WWVDS ELECTRICAL SERVICE WIRING
 N.T.S.



I-75 OFF-RAMPS AT SR 29 (EXISTING PD-18)
 WWVDS ELECTRICAL SERVICE LAYOUT
 N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

VIBE
 6914 WEST LINBAUGH AVENUE
 TAMPA, FL 33625
 NATHAN J. POOLE, P.E. NO.: 79444

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	COLLIER	444008-3-52-01

ELECTRICAL SERVICE
 DETAIL (2)

SHEET NO.
 IT-44