

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
CONTRACT PLANS

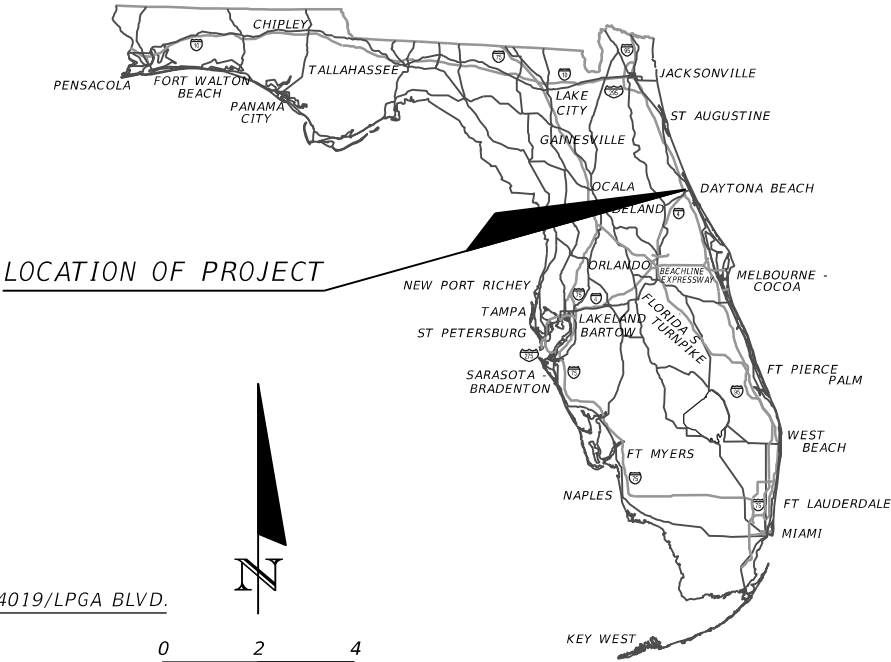
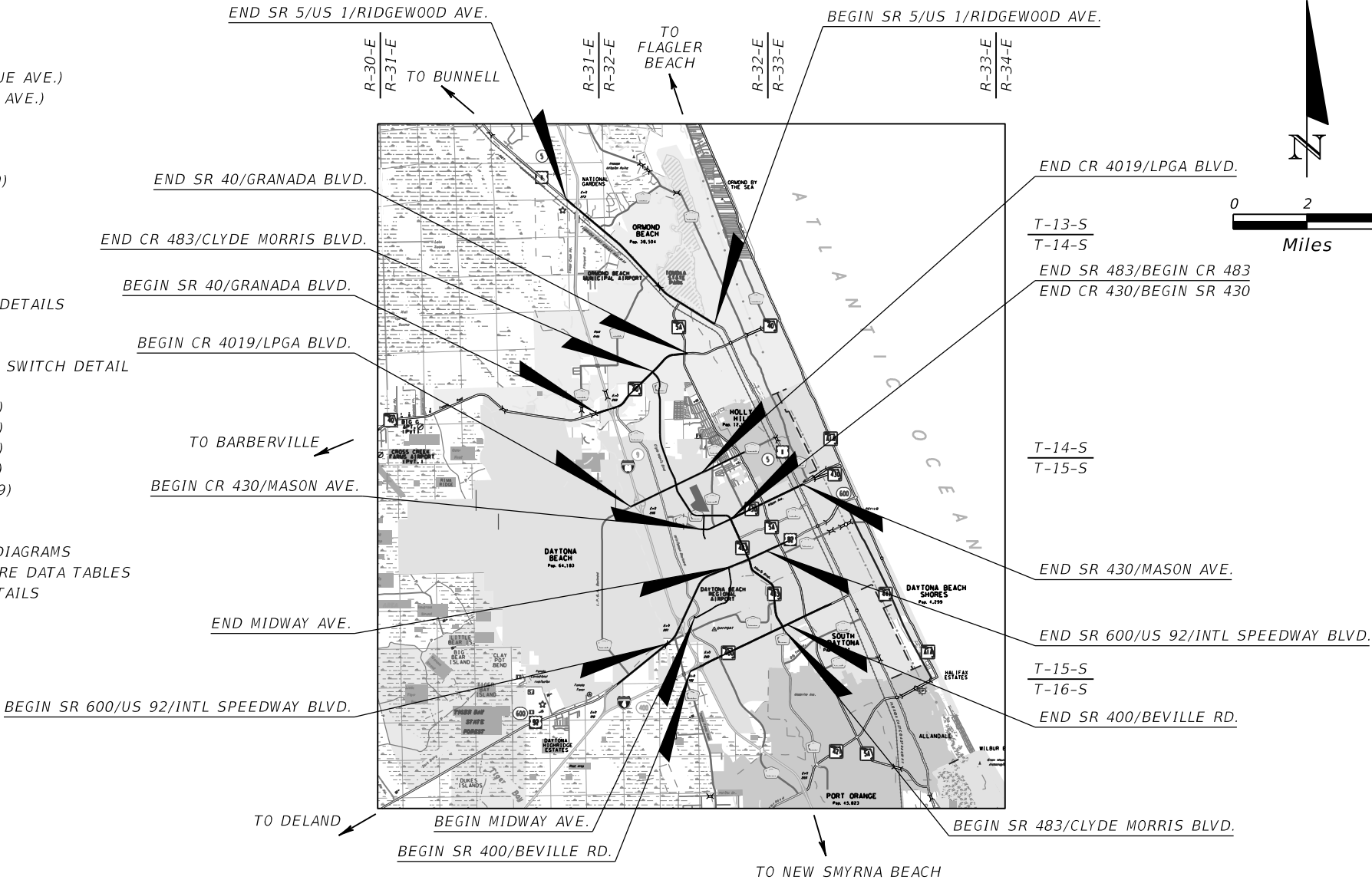
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FINANCIAL PROJECT ID 436325-1-52-01

VOLUSIA COUNTY (79000)

STATE ROAD NO. 5, 40, 400, 430, 483, 600  
COUNTY ROAD NO. 430, 483, 4019  
MIDWAY AVE., BELLEVUE AVE.



ITS PLANS  
ENGINEER OF RECORD:  
  
ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
VENDOR NO.: F-59-1685550  
CERTIFICATE OF AUTHORIZATION NO.: 2294

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY2016-17 Design Standards eBook (DSeB)  
and applicable Design Standards Revisions (DSRs) at the following website:  
<http://www.fdot.gov/roadway/DS/18/STDs.shtm>

APPLICABLE DSRs:

GOVERNING STANDARD SPECIFICATIONS:

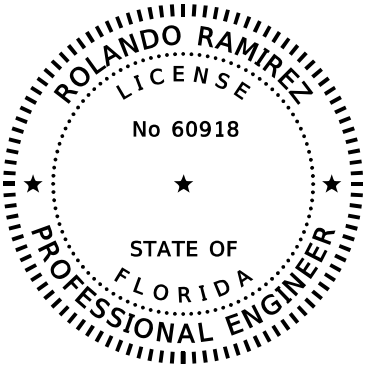
Florida Department of Transportation, January 2017 Standard Specifications  
for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

KEY SHEET REVISIONS	
DATE	DESCRIPTION

FDOT PROJECT MANAGER:

RON MILLER

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E5Y95	17	IT-1



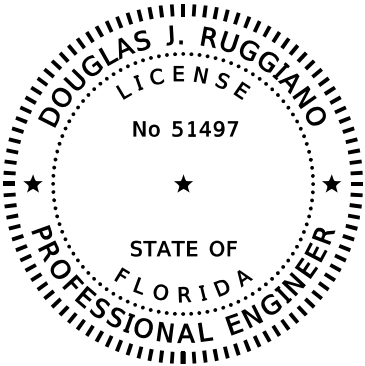
THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT  
SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION 2294  
ROLANDO RAMIREZ, P.E. #60918

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

ITS PLANS

SHEET NO.	SHEET DESCRIPTION
IT-1	KEY SHEET
IT-2	SIGNATURE SHEET
IT-3	SUMMARY OF PAY ITEMS
IT-4 - IT-10A	TABULATION OF QUANTITIES
IT-11	SUMMARY OF QUANTITIES
IT-12 - IT-14	SUMMARY OF DEVICES
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IT-95 - IT-97	SPLICING DIAGRAM (CR 4019)
IT-98 - IT-99	SPLICING DIAGRAM (SR 40)
IT-100	SPLICING DIAGRAM (SR 5)
IT-101 - IT-105	CABINET DETAILS/WIRING DIAGRAMS



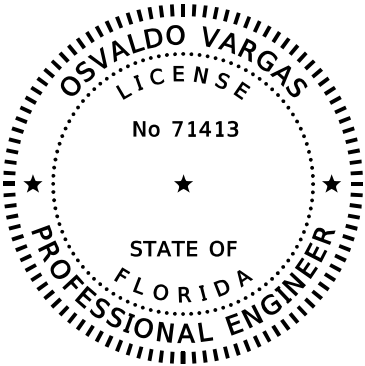
THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.  
METRIC ENGINEERING, INC.  
13940 S.W. 136 ST  
SUITE 200  
MIAMI, FLORIDA 33186  
TEL. (305) 251-5098  
FAX. (305) 251-5894  
CERTIFICATE OF AUTHORIZATION 2294  
DOUGLAS RUGGIANO, P.E. #51497

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

ITS PLANS

SHEET NO.	SHEET DESCRIPTION
IT-2	SIGNATURE SHEET
IT-106	CANTILEVER SIGN STRUCTURE DATA TABLES
IT-107	ADMS SIGN STRUCTURE DETAILS



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.  
TIERRA, INC.  
591 SUSAN B. BRITT COURT  
WINTER GARDEN, FLORIDA 32701  
TEL. (407) 877-1354  
FAX. (407) 654-7347  
CERTIFICATE OF AUTHORIZATION 6486  
OSVALDO VARGAS, P.E. #71413

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

ITS PLANS

SHEET NO.	SHEET DESCRIPTION
IT-2	SIGNATURE SHEET
IT-108 - IT-112	REPORT OF CORE BORINGS

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		
									IT-2



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FLORIDA DEPARTMENT OF TRANSPORTATION PROPOSAL SUMMARY OF PAY ITEMS FOR PROPOSAL: E5Y95						
LEAD PROJECT : 436325-1-52-01			DISTRICT : 05		COUNTY/SECTION :	
PROJECT(S) : 43632515201				COUNTY : VOLUSIA		
SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43632515201	QUANTITY TOTAL
		0101- 1-	MOBILIZATION 43632515201	LS	1.000	1.000
		0102- 1-	MAINTENANCE OF TRAFFIC 43632515201	(LS)	1.000	1.000
		0102- 60-	WORK ZONE SIGN	ED	48740.000	48740.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	340.000	340.000
		0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	10.000	10.000
		0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	10.000	10.000
		0104- 10- 3	SEDIMENT BARRIER	LF	870.000	870.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	36.000	36.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 43632515201	LS	1.000	1.000

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FLORIDA DEPARTMENT OF TRANSPORTATION PROPOSAL SUMMARY OF PAY ITEMS FOR PROPOSAL: E5Y95						
LEAD PROJECT : 436325-1-52-01			DISTRICT : 05		COUNTY/SECTION :	
PROJECT(S) : 43632515201			COUNTY : VOLUSIA			
0002 SUMMARY OF INTELLIGENT TRANSPORTATION SYSTEM						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43632515201	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	10180.000	10180.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	19314.000	19314.000
		0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	640.000	640.000
		0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	16927.000	16927.000
		0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	162.000	162.000
		0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1.000	1.000
		0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	20.000	20.000
		0633- 3- 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	20.000	20.000
		0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	10.000	10.000
		0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	9.000	9.000
		0635- 2- 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	84.000	84.000
		0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	24.000	24.000
		0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	1.000	1.000
		0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	18.000	18.000
		0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	22262.000	22262.000
		0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	16.000	16.000
T		0639- 6- 1	ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL	EA	7.000	7.000
		0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	31.000	31.000
		0660- 6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	21.000	21.000
		0660- 6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	21.000	21.000
		0676- 1-113	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL CABINET WITHOUT CONTROLLER, NEMA TYPE/SIZE 3, 24" W X 40" H X 15" D	EA	13.000	13.000
		0676- 2-600	ITS CABINET- REMOVE	EA	4.000	4.000
		0676- 3- 10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	16.000	16.000
		0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	27.000	27.000
T		0684- 6- 11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	16.000	16.000
		0695- 5- 1	TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL	EA	16.000	16.000
		0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	24.000	24.000
		0700- 8-135	FRONT ACCESS DYNAMIC MESSAGE SIGN, FURNISH & INSTALL- WITH UPS, FULL COLOR, 51-100 SF	EA	5.000	5.000
		0700- 8-600	FRONT ACCESS DYNAMIC MESSAGE SIGN, REMOVE	EA	36.000	36.000
		0700- 10-122	DMS SUPPORT STRUCTURE, CANTILEVER, 21-30 FT	EA	5.000	5.000
		0700- 10-600	DMS SUPPORT STRUCTURE, REMOVE	EA	38.000	38.000
		0700- 11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF	AS	54.000	54.000

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		
									IT-3

# TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET			
			IT-19		IT-20		IT-21		IT-21A		IT-22		IT-23		IT-24							
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY																				
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF			146		670					10					826					
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF			826		175					293					1294					
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF			15		50					50					115					
633-1-121	FIBER OPTIC CABLE, FURNISH & INSTALL, UNDERGROUND, 2-12 FIBERS	LF			1077		710										1787					
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA					12										12					
633-3-11	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE ENCLOSURE	EA																				
633-3-12	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE TRAY	EA					1										1					
633-3-15	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, PRETERMINATED PATCH PANEL	EA			1												1					
633-3-16	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, FIELD TERMINATED PATCH PANEL	EA					1										1					
633-3-51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA																				
635-2-11	PULL & SPLICE BOX, FURNISH & INSTALL, 13" x 24" COVER SIZE	EA			3		2					2					7					
635-2-12	PULL & SPLICE BOX, FURNISH & INSTALL, 24" x 36" COVER SIZE	EA			2												2					
635-2-13	PULL & SPLICE BOX, FURNISH & INSTALL, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA																				
639-1-122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS					1										1					
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF			977		535					403					1915					
639-3-11	ELECTRICAL SERVICE DISCONNECT, FURNISH & INSTALL, POLE MOUNT	EA			1												1					
639-6-1	ELECTRICAL POWER SERVICE-TRANSFORMER FURNISH & INSTALLED	EA			1		1										2					
641-2-12	PRESTRESSED CONCRETE POLE, FURNISH & INSTALL, TYPE P-II SERVICE POLE	EA					1										1					
660-6-121	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA			1									1		1	3					
660-6-122	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA			1									1		1	3					
676-1-113	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL CABINET WITHOUT CONTROLLER, NEMA TYPE 3	EA																				
676-2-600	ITS CABINET, REMOVE	EA							1								1					
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH & INSTALL, LESS THAN 10"W x 13"H x 11"D	EA												1		1	2					
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA			1		1					1					3					
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA												1		1	2					
695-5-1	TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL	EA												1		1	2					
700-1-12	SINGLE POST SIGN, FURNISH & INSTALL GROUND MOUNT, 12-20 SF	AS												1		1	2					
700-8-135	FRONT ACCESS DYNAMIC MESSAGE SIGN, FURNISH & INSTALL-WITH UPS, FULL COLOR, 51-100 SF	EA			1												1					
700-8-600	FRONT ACCESS DYNAMIC MESSAGE SIGN, REMOVE	EA					4		1			2					7					
700-10-122	DMS SUPPORT STRUCTURE, 21-30 FT	EA			1												1					
700-10-600	DMS SUPPORT STRUCTURE, REMOVE	EA					4		1			2					7					
700-11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT-AC POWERED, BLANK OUT SIGN, 12-20 SF	AS					2					2					4					

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL (407) 644-1898 FAX (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-4
					VARIES	VOLUSIA	436325-1-52-01		

# TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET			
			IT-25		IT-26		IT-26A		IT-27		IT-28		IT-29		IT-30							
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY																				
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	79							1105		1200		751		946		4081				
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	391							105		125		665		1135		2421				
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	40							30						20		90				
633-1-121	FIBER OPTIC CABLE, FURNISH & INSTALL, UNDERGROUND, 2-12 FIBERS	LF	391							1190		1375		1516		1396		5868				
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	4															4				
633-3-11	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE ENCLOSURE	EA																				
633-3-12	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE TRAY	EA	1															1				
633-3-15	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, PRETERMINATED PATCH PANEL	EA	1							1						1		3				
633-3-16	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, FIELD TERMINATED PATCH PANEL	EA																				
633-3-51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	1															1				
635-2-11	PULL & SPLICE BOX, FURNISH & INSTALL, 13" x 24" COVER SIZE	EA	2							3						3		8				
635-2-12	PULL & SPLICE BOX, FURNISH & INSTALL, 24" x 36" COVER SIZE	EA	1							2		1		2		1		7				
635-2-13	PULL & SPLICE BOX, FURNISH & INSTALL, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA																				
639-1-122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1							1						1		3				
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	334							425						870		1629				
639-3-11	ELECTRICAL SERVICE DISCONNECT, FURNISH & INSTALL, POLE MOUNT	EA	1							1						1		3				
639-6-1	ELECTRICAL POWER SERVICE-TRANSFORMER FURNISH & INSTALLED	EA																				
641-2-12	PRESTRESSED CONCRETE POLE, FURNISH & INSTALL, TYPE P-11 SERVICE POLE	EA	2							2						2		6				
660-6-121	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA				1												1				
660-6-122	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA				1												1				
676-1-113	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL CABINET WITHOUT CONTROLLER, NEMA TYPE 3	EA	1							1						1		3				
676-2-600	ITS CABINET, REMOVE	EA						1										1				
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH & INSTALL, LESS THAN 10"W x 13"H x 11"D	EA				1												1				
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1							1						1		3				
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA				1												1				
695-5-1	TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL	EA				1												1				
700-1-12	SINGLE POST SIGN, FURNISH & INSTALL GROUND MOUNT, 12-20 SF	AS				1				1								2				
700-8-135	FRONT ACCESS DYNAMIC MESSAGE SIGN, FURNISH & INSTALL-WITH UPS, FULL COLOR, 51-100 SF	EA																				
700-8-600	FRONT ACCESS DYNAMIC MESSAGE SIGN, REMOVE	EA						4										4				
700-10-122	DMS SUPPORT STRUCTURE, 21-30 FT	EA																				
700-10-600	DMS SUPPORT STRUCTURE, REMOVE	EA						4										4				
700-11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT-AC POWERED, BLANK OUT SIGN, 12-20 SF	AS	1							1						1		3				

<b>REVISIONS</b>				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	<b>STATE OF FLORIDA</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<i>TABULATION OF QUANTITIES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-5
					VARIES	VOLUSIA	436325-1-52-01		

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-31		IT-32		IT-33		IT-34		IT-35		IT-36		IT-37					
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY															6			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF			121				30		765		180		542		1638			
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF			133		106		365		1051		875				2530			
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF			25				15				20		5		65			
633-1-121	FIBER OPTIC CABLE, FURNISH & INSTALL, UNDERGROUND, 2-12 FIBERS	LF					206		430		721		637				1994			
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA			2		4				12						18			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE ENCLOSURE	EA																		
633-3-12	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE TRAY	EA			1		1				1						3			
633-3-15	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, PRETERMINATED PATCH PANEL	EA							1				1				2			
633-3-16	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, FIELD TERMINATED PATCH PANEL	EA									1						1			
633-3-51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA			1		1										2			
635-2-11	PULL & SPLICE BOX, FURNISH & INSTALL, 13" x 24" COVER SIZE	EA			2				2		3		1		2		10			
635-2-12	PULL & SPLICE BOX, FURNISH & INSTALL, 24" x 36" COVER SIZE	EA							1		1		2				4			
635-2-13	PULL & SPLICE BOX, FURNISH & INSTALL, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA																		
639-1-122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS							1		1						2			
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF			309				300		1250		835		547		3241			
639-3-11	ELECTRICAL SERVICE DISCONNECT, FURNISH & INSTALL, POLE MOUNT	EA							1				1				2			
639-6-1	ELECTRICAL POWER SERVICE-TRANSFORMER FURNISH & INSTALLED	EA																		
641-2-12	PRESTRESSED CONCRETE POLE, FURNISH & INSTALL, TYPE P-11 SERVICE POLE	EA							1		1		1				3			
660-6-121	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	1						1						1		3			
660-6-122	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1						1						1		3			
676-1-113	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL CABINET WITHOUT CONTROLLER, NEMA TYPE 3	EA											1				1			
676-2-600	ITS CABINET, REMOVE	EA																		
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH & INSTALL, LESS THAN 10"W x 13"H x 11"D	EA	1												1		2			
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA			1				1		1		1				4			
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	1												1		2			
695-5-1	TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL	EA	1												1		2			
700-1-12	SINGLE POST SIGN, FURNISH & INSTALL GROUND MOUNT, 12-20 SF	AS	1												1		2			
700-8-135	FRONT ACCESS DYNAMIC MESSAGE SIGN, FURNISH & INSTALL-WITH UPS, FULL COLOR, 51-100 SF	EA							1								1			
700-8-600	FRONT ACCESS DYNAMIC MESSAGE SIGN, REMOVE	EA			3						2				1		6			
700-10-122	DMS SUPPORT STRUCTURE, 21-30 FT	EA							1								1			
700-10-600	DMS SUPPORT STRUCTURE, REMOVE	EA			3						2				1		6			
700-11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT-AC POWERED, BLANK OUT SIGN, 12-20 SF	AS			1						3		2		1		7			

<b>REVISIONS</b>				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	<b>STATE OF FLORIDA</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<i>TABULATION OF QUANTITIES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-6
					VARIES	VOLUSIA	436325-1-52-01		

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-38		IT-39		IT-40		IT-40A		IT-41		IT-42		IT-43					
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY			6		6						6				18			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	521		50		94					350		642		87		1744		
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	630		341		649						700		274		2594			
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	10		20		20					10		45		20		125		
633-1-121	FIBER OPTIC CABLE, FURNISH & INSTALL, UNDERGROUND, 2-12 FIBERS	LF			115		655								115		885			
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA			4		8								4		16			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE ENCLOSURE	EA																		
633-3-12	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE TRAY	EA			1		1								1		3			
633-3-15	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, PRETERMINATED PATCH PANEL	EA			1		1								1		3			
633-3-16	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, FIELD TERMINATED PATCH PANEL	EA																		
633-3-51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA			1		1								1		3			
635-2-11	PULL & SPLICE BOX, FURNISH & INSTALL, 13" x 24" COVER SIZE	EA	2		2		3					1		5		3		16		
635-2-12	PULL & SPLICE BOX, FURNISH & INSTALL, 24" x 36" COVER SIZE	EA																		
635-2-13	PULL & SPLICE BOX, FURNISH & INSTALL, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA																		
639-1-122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS			1		1								1		3			
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	1161		852		832					360		1462		431		5098		
639-3-11	ELECTRICAL SERVICE DISCONNECT, FURNISH & INSTALL, POLE MOUNT	EA			1		1										2			
639-6-1	ELECTRICAL POWER SERVICE-TRANSFORMER FURNISH & INSTALLED	EA																		
641-2-12	PRESTRESSED CONCRETE POLE, FURNISH & INSTALL, TYPE P-11 SERVICE POLE	EA			2		2								2		6			
660-6-121	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA																		
660-6-122	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA																		
676-1-113	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL CABINET WITHOUT CONTROLLER, NEMA TYPE 3	EA			1		1								1		3			
676-2-600	ITS CABINET, REMOVE	EA							1								1			
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH & INSTALL, LESS THAN 10"W x 13"H x 11"D	EA																		
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA			1		1							1		1		4		
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA																		
695-5-1	TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL	EA																		
700-1-12	SINGLE POST SIGN, FURNISH & INSTALL GROUND MOUNT, 12-20 SF	AS	1									1		2			4			
700-8-135	FRONT ACCESS DYNAMIC MESSAGE SIGN, FURNISH & INSTALL-WITH UPS, FULL COLOR, 51-100 SF	EA																		
700-8-600	FRONT ACCESS DYNAMIC MESSAGE SIGN, REMOVE	EA							1					3			4			
700-10-122	DMS SUPPORT STRUCTURE, 21-30 FT	EA																		
700-10-600	DMS SUPPORT STRUCTURE, REMOVE	EA							1					3			4			
700-11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT-AC POWERED, BLANK OUT SIGN, 12-20 SF	AS	1		2		2					1		4		1	11			

<b>REVISIONS</b>				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	<b>STATE OF FLORIDA</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<i>TABULATION OF QUANTITIES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-7
					VARIES	VOLUSIA	436325-1-52-01		

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-44		IT-45		IT-46		IT-47		IT-48		IT-49		IT-50					
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	6														6			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	149		24		68		458					212		508	1419			
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	896		922		502		465					169		572	3526			
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	80		10		20		25					15			150			
633-1-121	FIBER OPTIC CABLE, FURNISH & INSTALL, UNDERGROUND, 2-12 FIBERS	LF	27				163		247					536		757	1730			
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	14				16		6							24	60			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE ENCLOSURE	EA							1								1			
633-3-12	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE TRAY	EA	2				2		1							2	7			
633-3-15	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, PRETERMINATED PATCH PANEL	EA	1				1		2					1		1	6			
633-3-16	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, FIELD TERMINATED PATCH PANEL	EA	1				1									2	4			
633-3-51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	1				1										2			
635-2-11	PULL & SPLICE BOX, FURNISH & INSTALL, 13" x 24" COVER SIZE	EA	5		3		2		3					3		3	19			
635-2-12	PULL & SPLICE BOX, FURNISH & INSTALL, 24" x 36" COVER SIZE	EA					1							3		1	5			
635-2-13	PULL & SPLICE BOX, FURNISH & INSTALL, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA							1								1			
639-1-122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1				1		1							1	4			
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	1153		956		835		1154					386		1243	5727			
639-3-11	ELECTRICAL SERVICE DISCONNECT, FURNISH & INSTALL, POLE MOUNT	EA					1		1					1		1	4			
639-6-1	ELECTRICAL POWER SERVICE-TRANSFORMER FURNISH & INSTALLED	EA												1		1	2			
641-2-12	PRESTRESSED CONCRETE POLE, FURNISH & INSTALL, TYPE P-11 SERVICE POLE	EA	2				2		2							1	7			
660-6-121	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	1				2		2					1			6			
660-6-122	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1				2		2					1			6			
676-1-113	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL CABINET WITHOUT CONTROLLER, NEMA TYPE 3	EA	1				1		1								3			
676-2-600	ITS CABINET, REMOVE	EA																		
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH & INSTALL, LESS THAN 10"W x 13"H x 11"D	EA	1				2		2								5			
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1				1		1					1		1	5			
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	1				2		2								5			
695-5-1	TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL	EA	1				2		2								5			
700-1-12	SINGLE POST SIGN, FURNISH & INSTALL GROUND MOUNT, 12-20 SF	AS	2		1		2		2								7			
700-8-135	FRONT ACCESS DYNAMIC MESSAGE SIGN, FURNISH & INSTALL-WITH UPS, FULL COLOR, 51-100 SF	EA												1			1			
700-8-600	FRONT ACCESS DYNAMIC MESSAGE SIGN, REMOVE	EA														2	2			
700-10-122	DMS SUPPORT STRUCTURE, 21-30 FT	EA												1			1			
700-10-600	DMS SUPPORT STRUCTURE, REMOVE	EA														3	3			
700-11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT-AC POWERED, BLANK OUT SIGN, 12-20 SF	AS	4		1		3		3							3	14			

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-8
					VARIES	VOLUSIA	436325-1-52-01		

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

[illegible]

<b>REVISIONS</b>				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	<b>STATE OF FLORIDA</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<i>TABULATION OF QUANTITIES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-9
					VARIES	VOLUSIA	436325-1-52-01		

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-57		IT-58		IT-59		IT-60		IT-61		IT-62		IT-63					
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY							6								6			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	20				173		20		15		20				248			
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	315		590		247		331		409		1316		1220		4428			
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	15				20						15				50			
633-1-121	FIBER OPTIC CABLE, FURNISH & INSTALL, UNDERGROUND, 2-12 FIBERS	LF	243		458		125						1445		1320		3591			
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA			12		4										16			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE ENCLOSURE	EA																		
633-3-12	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, SPLICE TRAY	EA			1		1										2			
633-3-15	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, PRETERMINATED PATCH PANEL	EA	1				1						1				3			
633-3-16	FIBER OPTIC CONNECTION HARDWARE, FURNISH & INSTALL, FIELD TERMINATED PATCH PANEL	EA			1												1			
633-3-51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA					1										1			
635-2-11	PULL & SPLICE BOX, FURNISH & INSTALL, 13" x 24" COVER SIZE	EA	2				3		3		1		4				13			
635-2-12	PULL & SPLICE BOX, FURNISH & INSTALL, 24" x 36" COVER SIZE	EA	1										3		2		6			
635-2-13	PULL & SPLICE BOX, FURNISH & INSTALL, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA																		
639-1-122	ELECTRICAL POWER SERVICE, FURNISH & INSTALL, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1				1						1				3			
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	162		262		564		441		519		676				2624			
639-3-11	ELECTRICAL SERVICE DISCONNECT, FURNISH & INSTALL, POLE MOUNT	EA	1				1						1				3			
639-6-1	ELECTRICAL POWER SERVICE-TRANSFORMER FURNISH & INSTALLED	EA											2				2			
641-2-12	PRESTRESSED CONCRETE POLE, FURNISH & INSTALL, TYPE P-11 SERVICE POLE	EA	1				2						1				4			
660-6-121	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	1						1		1		1				4			
660-6-122	VEHICLE DETECTION SYSTEM-AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1						1		1		1				4			
676-1-113	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL CABINET WITHOUT CONTROLLER, NEMA TYPE 3	EA					1										1			
676-2-600	ITS CABINET, REMOVE	EA																		
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH & INSTALL, LESS THAN 10"W x 13"H x 11"D	EA							1		1						2			
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1		1		1		1		1		1				6			
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA							1		1						2			
695-5-1	TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL	EA							1		1						2			
700-1-12	SINGLE POST SIGN, FURNISH & INSTALL GROUND MOUNT, 12-20 SF	AS							1		1						2			
700-8-135	FRONT ACCESS DYNAMIC MESSAGE SIGN, FURNISH & INSTALL-WITH UPS, FULL COLOR, 51-100 SF	EA	1										1				2			
700-8-600	FRONT ACCESS DYNAMIC MESSAGE SIGN, REMOVE	EA	1		2				4		3						10			
700-10-122	DMS SUPPORT STRUCTURE, 21-30 FT	EA	1										1				2			
700-10-600	DMS SUPPORT STRUCTURE, REMOVE	EA	1		2				4		3						10			
700-11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT-AC POWERED, BLANK OUT SIGN, 12-20 SF	AS			1		2		3		2						8			

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-10
					VARIES	VOLUSIA	436325-1-52-01		

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# TABULATION OF QUANTITIES

[illegible]

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-10A
					VARIES	VOLUSIA	436325-1-52-01		

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SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
101-1	MOBILIZATION	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL				
			DAYS	P	P	P	F		
102-1	MAINTENANCE OF TRAFFIC	LS		1	1	1		380 DAYS	
102-60	WORK ZONE SIGNS	ED				48740			
	ADVANCED WARNING (BEGIN, END, & INTERSECTION SIGNAGE)		380	128	48640				
	LANE CLOSURES-5 ADMS LOCATIONS (10 WORK ZONE SIGNS PER CLOSURE X 2 DAY EACH LOCATION)		10	10	100				
102-74-1	CHANNELIZING DEVICE, (TYPE I, II, VP, DRUM, VEHICULAR LONG. CHANNEL. DEVICE)	ED				340			
	LANE CLOSURES-5 ADMS LOCATIONS (34 CHANNEL DEVICES PER CLOSURE X 2 DAY EACH LOCATION)		10	34	340				
102-76	ARROWBOARD/ADVANCE WARNING ARROW PANEL	ED				10			
	LANE CLOSURES-5 ADMS LOCATIONS (1 ARROW PANEL SIGNS PER CLOSURE X 2 DAY EACH LOCATION)		10	1	10				
102-99	PORTABLE CHANGEABLE MESSAGE SIGN - TEMPORARY	ED				10			
	LANE CLOSURES-5 ADMS LOCATIONS (1 TEMP PCM SIGNS PER CLOSURE X 2 DAY EACH LOCATION)		10	1	10				

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	AREA ID	SEDIMENT BARRIER		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.			0104 10 3			
			LF			
			P	F		
1030+50.00 TO 1030+50.00	RT	1	30.0		ADMS SHAFT, FOPB, EPB	
1153+74.00 TO 1153+74.00	LT	2	30.0		BLUETOOTH POLE	
1146+12.00 TO 1146+12.00	LT	3	30.0		BLUETOOTH POLE	
1184+74.00 TO 1184+74.00	LT	4	30.0		BLUETOOTH POLE	
8049+50.00 TO 8049+50.00	LT	5	30.0		BOS POLE, FOPB, EPB	
1920+00.00 TO 1920+00.00	RT	6	30.0		BLUETOOTH POLE	
2045+22.00 TO 2045+22.00	RT	7	30.0		ADMS SHAFT, FOPB, EPB	
2071+35.00 TO 2071+35.00	RT	8	30.0		BOS POLE, BLUETOOTH, EPB	
2081+66.00 TO 2081+66.00	LT	9	30.0		BOS POLE, EPB	
2171+31.00 TO 2171+31.00	RT	10	30.0		BOS POLE, EPB	
2177+28.00 TO 2177+28.00	RT	11	30.0		BOS POLE, EPB	
2183+56.00 TO 2183+56.00	LT	12	30.0		BOS POLE, EPB	
3045+12.00 TO 3045+12.00	RT	13	30.0		BLUETOOTH POLE	
3051+51.00 TO 3051+51.00	LT	14	30.0		BOS POLE, EPB	
3038+34.00 TO 3038+34.00	LT	15	30.0		BOS POLE, EPB	
SUB-TOTAL :			450.0			
TOTAL :			870			

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	AREA ID	SEDIMENT BARRIER		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.			0104 10 3			
			LF			
			P	F		
3092+99.00 TO 3092+99.00	RT	16	30.0		BLUETOOTH POLE	
3096+84.00 TO 3096+84.00	RT	17	30.0		BLUETOOTH POLE	
212+26.00 TO 212+26.00	RT	18	30.0		BOS POLE, BLUETOOTH, EPB	
217+50.00 TO 217+50.00	LT	19	30.0		BLUETOOTH POLE	
5037+54.00 TO 5037+54.00	RT	20	30.0		ADMS SHAFT, FOPB, EPB	
5045+66.00 TO 5045+66.00	RT	21	30.0		BLUETOOTH POLE	
5087+88.00 TO 5087+88.00	RT	22	30.0		BLUETOOTH POLE	
5070+27.00 TO 5070+27.00	RT	23	30.0		BOS POLE, EPB	
5172+33.00 TO 5172+33.00	LT	24	30.0		BLUETOOTH POLE	
5173+60.00 TO 5173+60.00	RT	25	30.0		BLUETOOTH POLE	
6026+04.00 TO 6026+04.00	RT	26	30.0		ADMS SHAFT, FOPB, EPB	
6148+91.00 TO 6148+91.00	RT	27	30.0		BLUETOOTH POLE	
7058+44.00 TO 7058+44.00	LT	28	30.0		BLUETOOTH POLE	
7212+24.00 TO 7212+24.00	LT	29	30.0		ADMS SHAFT, FOPB, EPB	
SUB-TOTAL:			420.0			

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DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						VARIES	VOLUSIA	436325-1-52-01	IT-11

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BLANK-OUT SIGN (BOS) LOCATIONS								
DEVICE NUMBER	STATION	INTERSECTION	MOUNTING	DIRECTION	LOCATION	OFFSET	LHUB	SHEET NUMBER
SR 400/BEVILLE RD.								
BOS 400-1	1044+73 , RT	CR 4009	EXTENSION ARM	EASTBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 400-2	IT-21
BOS 400-2	1044+94 , LT	CR 4009	EXTENSION ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 400-2	IT-21
BOS 400-3	1145+81 , RT	SR 483	EXTENSION ARM	EASTBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 400-3	IT-22
BOS 400-4	1146+04 , LT	SR 483	EXTENSION ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 400-3	IT-22
BOS 400-5	1181+39 , RT	SR 5A	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 400-4	IT-25
MIDWAY AVE.								
BOS MW-1	8049+50 , LT	LOT 6 ENTRANCE	SINGLE POST	WESTBOUND	APPROACH	6' FROM FACE OF CURB TO EDGE OF SIGN	LHUB MW-1	IT-27
BOS MW-2	8094+20 , LT	RICHARD PETTY BLVD.	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB MW-2	IT-30
US 92/SR 600/INTERNATIONAL SPEEDWAY BLVD.								
BOS 600-1	1930+09 , RT	LPGA BLVD.	EXTENSION ARM	EASTBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 600-1	IT-32
BOS 600-2	2074+97 , RT	CR 4009	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-3	IT-35
BOS 600-3	2081+66 , LT	CR 4009	SINGLE POST (NEAR SW)	SOUTHBOUND	APPROACH	14' FROM EOTL TO EDGE OF SIGN	LHUB 600-3	IT-38
BOS 600-4	2073+84 , LT	CR 4009	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-3	IT-35
BOS 600-5	2071+35 , RT	CR 4009	SINGLE POST	NORTHBOUND	APPROACH	14' FROM EOTL TO EDGE OF SIGN	LHUB 600-3	IT-37
BOS 600-6	2074+77 , RT	CR 4009	MAST ARM	NORTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-3	IT-35
BOS 600-7	2085+29 , RT	TURN ONE DR.	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-4	IT-36
BOS 600-8	2083+74 , LT	TURN ONE DR.	MAST ARM	WESTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-4	IT-36
BOS 600-9	2134+34 , RT	BILL FRANCE BLVD.	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-5	IT-39
BOS 600-10	2132+76 , LT	BILL FRANCE BLVD.	MAST ARM	WESTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-5	IT-39
BOS 600-11	2147+90 , RT	MIDWAY AVE.	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-6	IT-40
BOS 600-12	2146+38 , LT	MIDWAY AVE.	MAST ARM	WESTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-6	IT-40
BOS 600-13	2171+31 , RT	SR 483	SINGLE POST (NEAR SW)	EASTBOUND	APPROACH	14' FROM EOTL TO EDGE OF SIGN	LHUB 600-7	IT-41
BOS 600-14	2177+28 , RT	SR 483	SINGLE POST (NEAR SW)	EASTBOUND	AT INTERSECTION	14' FROM EOTL TO EDGE OF SIGN	LHUB 600-7	IT-42
BOS 600-15	2177+74 , LT	SR 483	EXTENSION ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 600-7	IT-42
BOS 600-16	2183+56 , LT	SR 483	SINGLE POST (NEAR SW)	WESTBOUND	APPROACH	7' FROM BACK OF CURB TO EDGE OF SIGN	LHUB 600-7	IT-42
BOS 600-17	2179+45 , RT	SR 483	EXTENSION ARM	NORTHBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 600-7	IT-42
BOS 600-18	2227+22 , RT	SR 5A	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 600-8	IT-43
SR 430/MASON AVE.								
BOS 430-1	3038+34 , LT	SR 483	SINGLE POST (NEAR SW)	SOUTHBOUND	APPROACH	12' FROM EOTL TO EDGE OF SIGN	LHUB 430-1	IT-45
BOS 430-2	3044+48 , LT	SR 483	EXTENSION ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 430-1	IT-44
BOS 430-3	3051+51 , LT	SR 483	SINGLE POST (NEAR SW)	WESTBOUND	APPROACH	12' FROM FACE OF CURB TO CENTER OF POLE	LHUB 430-1	IT-44
BOS 430-4	3045+50 , LT	SR 483	EXTENSION ARM	WESTBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 430-1	IT-44
BOS 430-5	3045+43 , RT	SR 483	EXTENSION ARM	NORTHBOUND	AT INTERSECTION	ON EXISTING STRAIN POLE	LHUB 430-1	IT-44
BOS 430-6	3097+64 , RT	SR 5A	EXTENSION ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 430-2	IT-46
BOS 430-7	3096+57 , RT	SR 5A	EXTENSION ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 430-2	IT-46
BOS 430-8	3096+43 , LT	SR 5A	EXTENSION ARM	WESTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 430-2	IT-46

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DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID	IT-12
							VARIES		VOLUSIA	436325-1-52-01	

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BLANK-OUT SIGN (BOS) LOCATIONS (CONT.)								
DEVICE NUMBER	STATION	INTERSECTION	MOUNTING	DIRECTION	LOCATION	OFFSET	LHUB	SHEET NUMBER
CR 483/CLYDE MORRIS BLVD.								
BOS 483-1	212+51 , RT	JIMMY ANN DR.	MAST ARM	WESTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 483-1	IT-47
BOS 483-2	212+26 , RT	JIMMY ANN DR.	SINGLE POST	SOUTHBOUND	APPROACH	12' FROM EOTL TO EDGE OF SIGN	LHUB 483-1	IT-47
BOS 483-3	211+70 , LT	JIMMY ANN DR.	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 483-1	IT-47
CR 4019/LPGA BLVD.								
BOS 4019-1	5046+81 , RT	CR 4009	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 4019-2	IT-50
BOS 4019-2	5045+57 , RT	CR 4009	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 4019-2	IT-50
BOS 4019-3	5046+77 , LT	CR 4009	MAST ARM	NORTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 4019-2	IT-50
BOS 4019-4	5072+21 , RT	CR 483	EXTENSION ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM UPRIGHT	LHUB 4019-3	IT-52
BOS 4019-5	5070+96 , RT	CR 483	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 4019-3	IT-52
BOS 4019-6	5071+06 , LT	CR 483	MAST ARM	WESTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 4019-3	IT-52
BOS 4019-7	5070+27 , RT	CR 483	SINGLE POST	NORTHBOUND	APPROACH	12' FROM EOTL TO EDGE OF SIGN	LHUB 4019-3	IT-54
BOS 4019-8	5072+33 , LT	CR 483	MAST ARM	NORTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 4019-3	IT-52
BOS 4019-9	5173+84 , RT	SR 5A	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 4019-4	IT-55
BOS 4019-10	5173+73 , LT	SR 5A	MAST ARM	NORTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 4019-4	IT-55
SR 40/GRANADA BLVD.								
BOS 40-1	6030+67 , LT	CR 4009	MAST ARM	NORTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 40-2	IT-58
BOS 40-2	6102+67 , RT	CR 483	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 40-3	IT-59
BOS 40-3	6101+41 , LT	CR 483	MAST ARM	WESTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 40-3	IT-59
BOS 40-4	6157+96 , RT	SR 5A	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 40-4	IT-60
BOS 40-5	6156+94 , LT	SR 5A	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 40-4	IT-60
BOS 40-6	6157+80 , RT	SR 5A	MAST ARM	NORTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 40-4	IT-60
US 1/SR 5/RIDGEWOOD AVE.								
BOS 5-1	7059+12 , RT	SR 5A	MAST ARM	EASTBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 5-1	IT-61
BOS 5-2	7057+88 , LT	SR 5A	MAST ARM	SOUTHBOUND	AT INTERSECTION	ON EXISTING MAST ARM	LHUB 5-1	IT-61

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		
									IT-13

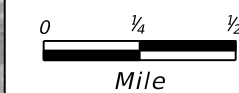
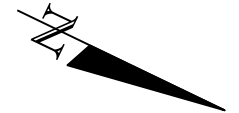
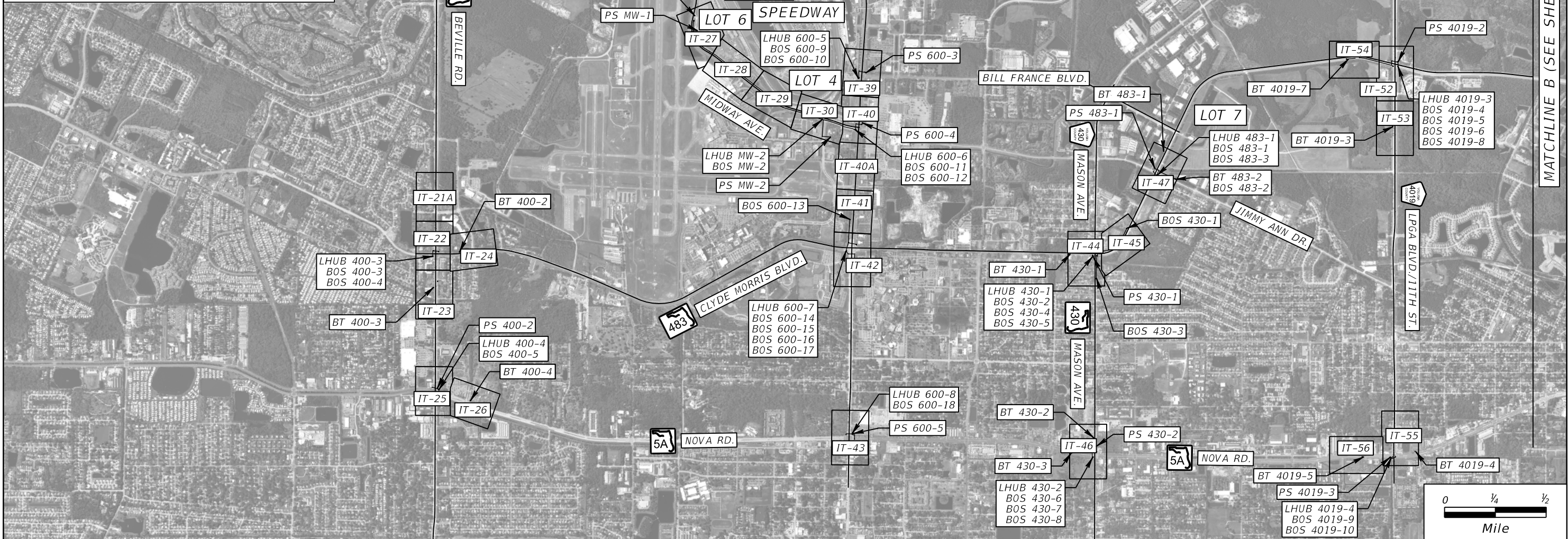
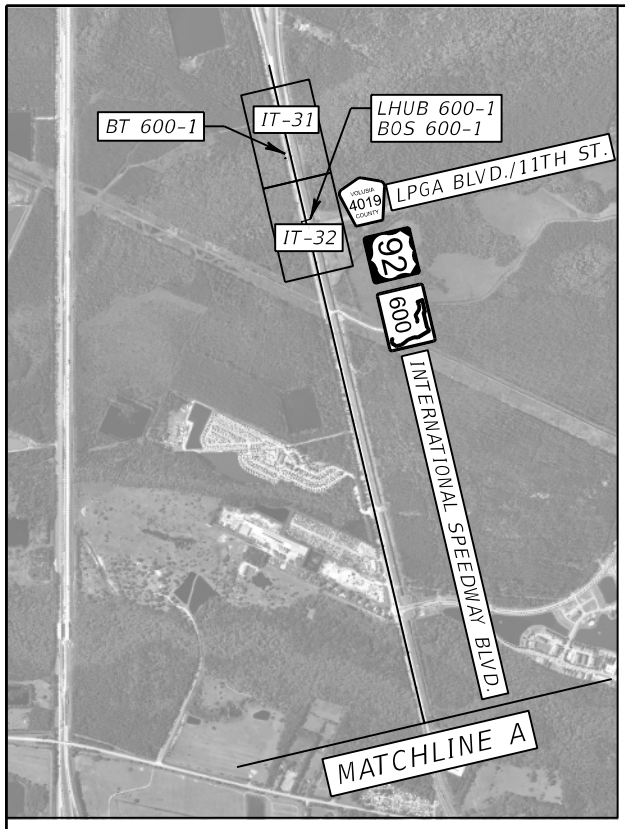
BLUETOOTH (BT) LOCATIONS			
DEVICE NUMBER	STATION	LHUB	SHEET NUMBER
SR 400/BEVILLE RD.			
BT 400-1	1030+50 , RT	LHUB 400-1	IT-20
BT 400-2	1146+12 , LT	CELLULAR	IT-24
BT 400-3	1153+74 , LT	CELLULAR	IT-23
BT 400-4	1184+74 , LT	CELLULAR	IT-26
US 92/SR 600/INTERNATIONAL SPEEDWAY BLVD.			
BT 600-1	1920+00 , RT	CELLULAR	IT-31
BT 600-2	2045+22 , RT	LHUB 600-2	IT-34
BT 600-3	2071+35 , RT	CELLULAR	IT-37
SR 430/MASON AVE.			
BT 430-1	3045+12 , RT	CELLULAR	IT-44
BT 430-2	3092+99 , RT	CELLULAR	IT-46
BT 430-3	3096+84 , RT	CELLULAR	IT-46
CR 483/CLYDE MORRIS BLVD.			
BT 483-1	217+50 , LT	CELLULAR	IT-47
BT 483-2	212+26 , RT	CELLULAR	IT-47
CR 4019/LPGA BLVD.			
BT 4019-1	5037+54 , RT	LHUB 4019-1	IT-49
BT 4019-2	5045+66 , RT	CELLULAR	IT-51
BT 4019-3	5087+88 , RT	CELLULAR	IT-53
BT 4019-4	5172+33 , LT	CELLULAR	IT-55
BT 4019-5	5173+60 , RT	CELLULAR	IT-56
SR 40/GRANADA BLVD.			
BT 40-1	6026+04 , RT	LHUB 40-1	IT-57
BT 40-2	6148+91 , RT	CELLULAR	IT-60
US 1/SR 5/RIDGEWOOD AVE.			
BT 5-1	7058+44 , LT	CELLULAR	IT-61
BT 5-2	7212+24 , LT	LHUB 5-2	IT-62

POWER SERVICE (PS) LOCATIONS						
POWER SERVICE NUMBER	STATION	POWER COMPANY	VOLTAGE	VOLT - AMPS	TRANSFORMER	SHEET NUMBER
SR 400/BEVILLE RD.						
PS 400-1	1040+45 , LT	FPL	120/240	10 KVA	EXISTING	IT-21
PS 400-2	1181+53 , LT	FPL	120/240	25 KVA	EXISTING	IT-25
MIDWAY AVE.						
PS MW-1	8052+09 , LT	FPL	120/240	50 KVA	EXISTING	IT-27
PS MW-2	8097+60 , RT	FPL	120/240	25 KVA	EXISTING	IT-30
US 92/SR 600/INTERNATIONAL SPEEDWAY BLVD.						
PS 600-1	2042+55 , RT	FPL	120/240	10 KVA	EXISTING	IT-34
PS 600-2	2079+27 , RT	FPL	120/240	15 KVA	EXISTING	IT-35
PS 600-3	2132+95 , LT	FPL	120/240	37.5 KVA	EXISTING	IT-39
PS 600-4	2145+98 , LT	FPL	120/240	10 KVA	EXISTING	IT-40
PS 600-5	2228+36 , LT	FPL	120/208	25 KVA	EXISTING	IT-43
SR 430/MASON AVE.						
PS 430-1	3046+01 , RT	FPL	120/208	25 KVA	EXISTING	IT-44
PS 430-2	3095+02 , LT	FPL	120/240	25 KVA	EXISTING	IT-46
CR 483/CLYDE MORRIS BLVD.						
PS 483-1	212+49 , LT	FPL	120/240	10 KVA	EXISTING	IT-47
CR 4019/LPGA BLVD.						
PS 4019-1	5043+12 , LT	FPL	120/240	10 KVA	EXISTING	IT-50
PS 4019-2	5071+03 , LT	FPL	120/240	25 KVA	EXISTING	IT-52
PS 4019-3	5173+84 , RT	FPL	120/208	25 KVA	EXISTING	IT-55
SR 40/GRANADA BLVD.						
PS 40-1	6025+54 , LT	FPL	120/240	10 KVA	EXISTING	IT-57
PS 40-2	6102+34 , RT	FPL	120/240	10 KVA	EXISTING	IT-59
US 1/SR 5/RIDGEWOOD AVE.						
PS 5-1	7216+45 , RT	FPL	120/240	10 KVA	EXISTING	IT-62

ARTERIAL DYNAMIC MESSAGE SIGN (ADMS) LOCATIONS			
DEVICE NUMBER	STATION	LHUB	SHEET NUMBER
SR 400/BEVILLE RD.			
ADMS 400-1	1030+50 , RT	LHUB 400-1	IT-20
US 92/SR 600/INTERNATIONAL SPEEDWAY BLVD.			
ADMS 600-1	2045+22 , RT	LHUB 600-2	IT-34
CR 4019/LPGA BLVD.			
ADMS 4019-1	5037+54 , RT	LHUB 4019-1	IT-49
SR 40/GRANADA BLVD.			
ADMS 40-1	6026+04 , RT	LHUB 40-1	IT-57
US 1/SR 5/RIDGEWOOD AVE.			
ADMS 5-1	7212+24 , LT	LHUB 5-2	IT-62

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		IT-14





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

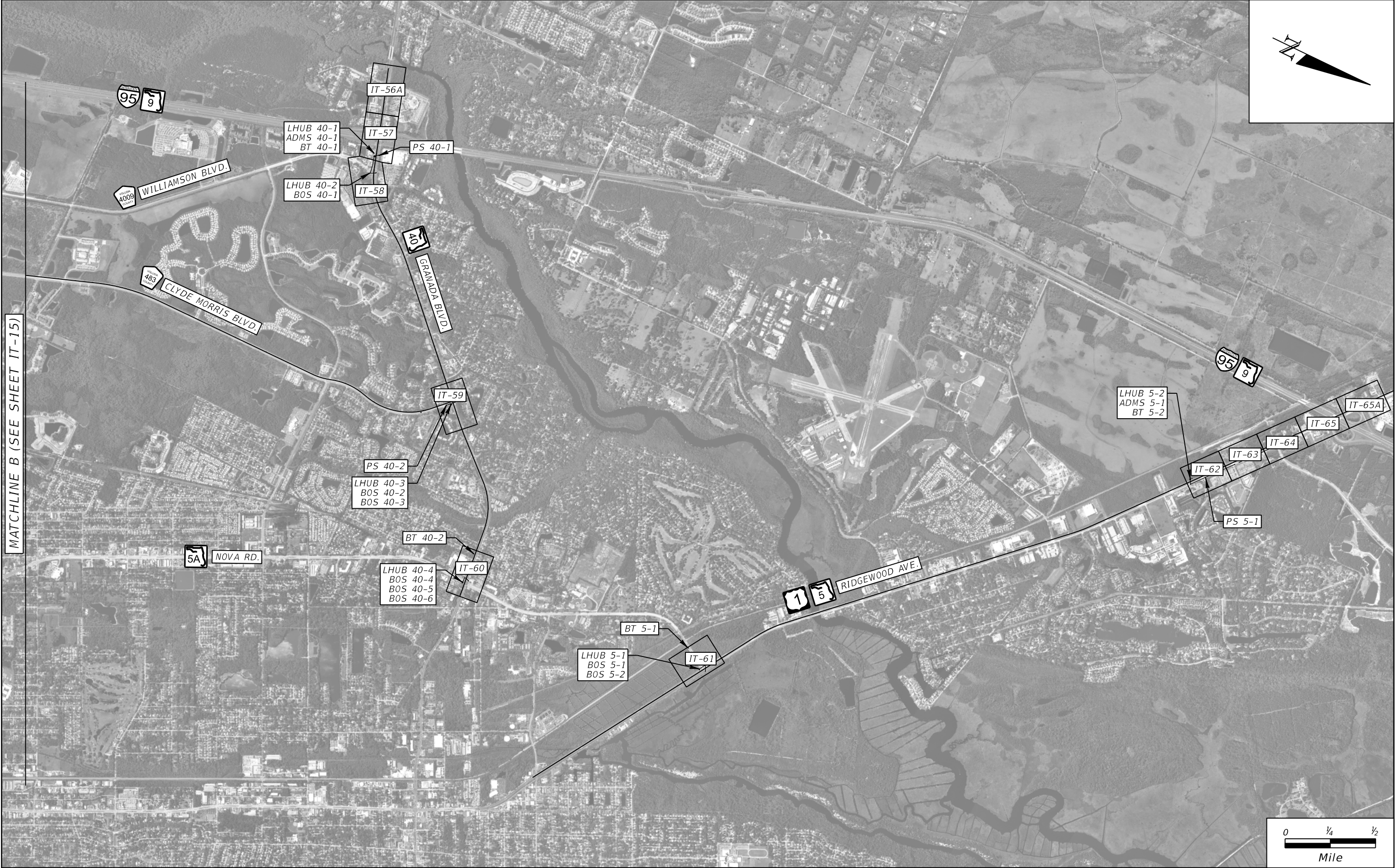
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	VOLUSIA	436325-1-52-01

PROJECT LAYOUT

SHEET NO.
IT-15

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





MATCHLINE B (SEE SHEET IT-15)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	VOLUSIA	436325-1-52-01

PROJECT LAYOUT	
IT-16	

SHEET NO.
IT-16

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

GENERAL:				TEMPORARY TRAFFIC CONTROL NOTES:				PAY ITEM NOTES:					
<div>1. NO BENCHMARK DATUM USED FOR THIS PROJECT. THE BASE MAPPING DEPICTED ON ALL PLAN SHEETS WAS OBTAINED FROM EXISTING PLANS PROVIDED BY FDOT AND AERIAL PHOTOGRAPHY. THEREFORE, THE ACCURACY OF THE BASE MAPPING IS NOT THAT OF SURVEYED MAPPING TYPICALLY USED WITH ROADWAY DESIGN PROJECTS AND SHOULD ONLY BE RELIED UPON FOR ESTABLISHING GENERAL LOCATIONS FOR EXISTING AND PROPOSED FEATURES.</div> <div>2. BASELINES ON ROADWAYS SHOWN ON THE PLANS ARE NOT SURVEY AND ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.</div> <div>3. THE RIGHT OF WAY DESIGNATIONS SHOWN ON THE PLANS ARE NOT TIED TO A SURVEYED CENTERLINE AND AS SUCH ARE APPROXIMATE. THEREFORE, THE CONTRACTOR IS TO WORK WITHIN THE LIMITED ACCESS R/W FENCE LINE AND PLACE DEVICES AS SHOWN.</div> <div>4. 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.</div> <div>5. AFTER INSTALLATION OF DMS STRUCTURES, CONTRACTOR SHALL COORDINATE WITH FDOT DISTRICT 5 JULIA BLACKWELDER - (386) 740-3454 FOR SIGN STRUCTURE NUMBER ASSIGNMENTS.</div> <div>6. AT LEAST TWO WEEKS PRIOR TO PERFORMING ANY GROUND DISTURBING ACTIVITIES IN THE VICINITY OF THE HISTORIC LINEAR RESOURCE OLD KINGS ROAD (8V00255), LOCATED ON BOTH SIDES OF SR 483 (CLYDE MORRIS BOULEVARD) BETWEEN STA. 4+00 TO STA. 12+25 ALONG SR 483 (CLYDE MORRIS BOULEVARD) AS SHOWN ON SHEET NOS. IT-28 THRU IT-30 AND FROM STA. 9003+00 TO 9014+00 AND FROM STA. 9016+00 TO 9038+50 ALONG SR 421 (TAYLOR ROAD/DUNLAWTON AVENUE) AS SHOWN ON SHEET NOS. IT-21 THRU IT-23, THE CONTRACTOR SHALL CONTACT CATHERINE OWEN, DISTRICT 5 CULTURAL RESOURCES COORDINATOR, AT (386) 943-5383 TO ARRANGE FOR THE FDOT TO PROVIDE ARCHAEOLOGICAL MONITORING.</div> <div>7. "SPECIAL EVENTS" INCLUDE, BUT ARE NOT LIMITED TO: DAYTONA SPEED WEEKS, DAYTONA BIKE WEEK, SPRING BREAK, AND BIKETOBERFEST.</div> <div>8. INSTALLATION OF POLES MAY BE ADJUSTED A FEW FEET IN THE FIELD IN CASE OF POTENTIAL CONFLICTS WITH UTILITIES. ENSURE THAT POLE REMAIN WITHIN THE ROADWAY RIGHT-OF-WAY AND OUTSIDE OF CLEAR ZONE.</div> <div>9. ANY CABINETS AND ELECTRONIC EQUIPMENT REMOVED OR REPLACED SHALL BE TURNED OVER TO THE DEPARTMENT. COORDINATE THE TIME AND LOCATION WITH THE ENGINEER.</div>				<div>1. THE EXISTING POSTED SPEED LIMITS SHALL BE MAINTAINED AT ALL TIMES.<div><div>SR 400 (I-95 TO FOREST LAKE BLVD.) SR 400 (FOREST LAKE BLVD. TO NOVA RD.)</div><div>55 MPH 45 MPH</div></div><div>US 92 (I-95 TO HAGEN TER) US 92 (HAGEN TER TO NOVA RD.)</div><div>50 MPH 45 MPH</div><div>SR 430 (SR 483 TO NOVA RD.)</div><div>35 MPH</div><div>SR 483 (SR 400 TO AEROSPACE BLVD.) SR 483 (AEROSPACE BLVD. TO DUNN AVE.) SR 483 (DUNN AVE. TO SR 40)</div><div>45 MPH 40 MPH 45 MPH</div><div>CR 4019 (I-95 TO CR 4009) CR 4019 (CR 4009 TO LOT 7 NORTH ENTRANCE) CR 4019 (LOT 7 NORTH ENTRANCE TO JIMMY ANN DR.) CR 4019 (JIMMY ANN DR. TO NOVA RD.)</div><div>45 MPH 50 MPH 45 MPH 35 MPH</div><div>SR 40 (I-95 TO NOVA RD.)</div><div>45 MPH</div><div>US 1 (I-95 TO BROADWAY AVE.) US 1 (BROADWAY AVE. TO NOVA RD.)</div><div>45 MPH 55 MPH</div></div> <div>2. THERE SHALL BE NO LANE CLOSURES ON SR 400, US 92, LPGA BLVD., SR 40, US 1 AND ON SIDE STREET/MINOR ROADS FROM 6:00 AM TO 9:00 PM. LANE CLOSURES SHALL BE RESTRICTED TO ACTIVE WORK PERIODS.</div> <div>3. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ARE TO BE USED DURING LANE CLOSURES.</div> <div>4. PCMS MESSAGES MAY INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:<div>A) FOR ALL LANES OPEN, DISPLAY 1) "CONST. AHEAD" 2) "USE CAUTION" B) FOR LEFT LANE CLOSURES, DISPLAY 1) "LFT LANE CLOSED" 2) "MERGE RT" C) FOR RIGHT LANE CLOSURES, DISPLAY 1) "RT LANE CLOSED" 2) "MERGE LFT" D) FOR CENTER LANE CLOSURES, DISPLAY 1) "LANE SHIFT AHEAD" 2) "USE CAUTION"</div></div>				<div>1. 630-2-12 SHALL INCLUDE VERIFYING VERTICALLY AND HORIZONTALLY (VVH) EXISTING UTILITIES PRIOR TO ANY DIRECTIONAL BORES.</div> <div>2. 633-3-15 SHALL INCLUDE A FIBER CABLE LONG ENOUGH TO TRANSITION FROM THE PATCH PANEL TO THE SPLICE VAULT INCLUDING 50 LF OF COILED SLACK IN ALL PULL BOXES AND SPLICE VAULTS; THE DROP CABLE FIBER IS PAID FOR SEPARATELY BUT MUST BE CONTINUOUS. THIS PAY ITEM ALSO INCLUDES FIBER OPTIC CABLE JUMPERS AS REQUIRED BY THE PLANS, EQUIPMENT, AND PATCH PANELS INSTALLED. THE CABLES SHALL BE SIZED TO LENGTH (3' MINIMUM).</div> <div>3. 633-3-16 TO PAY FOR FURNISHING AND INSTALLING FIELD TERMINATED PATCH PANELS. PATCH PANELS SHALL HAVE THE ABILITY TO STORE SPLICE TRAYS AS A PART OF THE PATCH PANEL. FACTORY TERMINATED SINGLE MODE PATCH CORDS SHALL BE INCIDENTAL TO THESE ITEMS. CONNECTORS SHALL BE AS REQUIRED BY THE EQUIPMENT AND PATCH PANELS INSTALLED. THE CABLES SHALL BE SIZED TO LENGTH (3' MINIMUM).</div> <div>4. 660-6-122 SHALL BE POWER OVER ETHERNET (POE) UNIT CAPABLE OF EXPORTING RAW TRAVEL TIME COLLECTION DATA IN CSV FORMAT. THIS PAY ITEM SHALL ALSO INCLUDE ALL NECESSARY HARDWARE TO MOUNT THE BLUETOOTH UNIT.</div> <div>5. 676-3-10 TO PAY FOR FURNISHING AND INSTALLING A SPECIAL ITS ENCLOSURE (NEMA 4R) AS INDICATED ON THE PLANS. THE ENCLOSURE SHALL INCLUDE A CYBERLOCK ELECTRONIC LOCK MECHANISM COMPATIBLE WITH THE EXISTING DEPARTMENT ELECTRONIC LOCK SYSTEM. THIS SHALL ALSO PAY FOR FURNISHING, INSTALLING, AND GROUNDING OF THE RGS CONDUITS FROM THE PROPOSED UNDERGROUND CONDUIT TO THE BOTTOM OF THE ENCLOSURE FOR COMMUNICATION/POWER.</div> <div>6. 684-1-1 SHALL INCLUDE FOUR (4) SINGLE MODE FIBER OPTIC JUMPERS PROPERLY SIZED TO CONNECT THE PROPOSED SWITCH TO THE EXISTING PATCH PANEL WITH APPROPRIATE SLACK NEATLY STORED. JUMPERS SHALL BE INCIDENTAL UNDER THIS PAY ITEM. FOUR (4) JUMPERS REQUIRED AT THE DAYTONA TMC SHALL ALSO BE INCIDENTAL TO THIS PAY ITEM.</div> <div>7. 684-6-11 SHALL INCLUDE THE FURNISHING AND INSTALLATION OF A MODEM FOR WIRELESS WAN CONNECTIVITY. THE MODEM SHALL PROVIDE WIRELESS BROADBAND, IPsec VPN (2 CONCURRENT SESSIONS) WITH GRE TUNNELING OPTION, AND SHALL SUPPORT PASS-THROUGH VPN CONNECTIONS (IPsec, L2TP, PPTP), ZONE BASED OBJECT FIREWALL WITH HOSE ADDRESS, PORT, MAC ADDRESS AND REPUTATION. SPECIFICATIONS: DATA IN USB MODEM (2), 10/100 ETHERNET PORTS (2) (CABLE/DSL/SATELLITE MODEMS). DATA OUT WiFi (802.11 b/g/n), FIVE 10/100 ETHERNET PORTS (WAN/LAN SWITCHABLE).</div> <div>8. 700-8-135 SHALL INCLUDE THE FURNISHING AND INSTALL COST OF AN ARTERIAL DYNAMIC MESSAGE SIGN AND ASSOCIATED COMPONENTS. THE DMS SHALL INCLUDE A MINIMUM OF: FULL MATRIX, FULL COLOR, LED FRONT ACCESS PIXEL PITCH: 34MM VIEW CONE: 30 DEGRESS MINIMUM DISPLAY AREA DIMENSIONS: 4'-11" H x 17'-3" W x 1'-2" D WEIGHT: LESS THAN 1100 POUNDS 3 LINES, 19 CHARACTERS PER LINE @ 12" CHARACTER HEIGHT</div> <div>9. 700-10-600 SHALL INCLUDE THE REMOVAL OF THE DMS STRUCTURE AND FOUNDATION. COMPLETE REMOVAL OF FOUNDATIONS IF POST MOUNTED AND SHALLOW REMOVAL (TOP 4') OF DRILLED SHAFT FOUNDATIONS.</div> <div>10. 700-11-391 SHALL INCLUDE MOUNTING HARDWARE FOR MOUNTING BLANK OUT SIGN INCLUDING A LUMINAIRE ARM AND BRACKET PER PLANS. THIS PAY ITEM INCLUDES A LUMINAIRE ARM AND ASSOCIATED MOUNTING HARDWARE REQUIRED FOR MOUNTING BLANK OUT SIGN TO SIGNAL STRAIN POLE PER PLANS. BLANK OUT SIGN EXTENSION ARM AND ATTACHMENT HARDWARE SHALL REQUIRE THE SUBMITTAL OF STRUCTURAL CALCULATIONS AND SHOP DRAWINGS THAT HAVE BEEN PREPARED BY AND SEALED BY THE SPECIALITY ENGINEER AND DESIGNED FOR 130 MPH. THIS PAY ITEM SHALL ALSO INCLUDE THE FURNISHING AND INSTALLATION OF A WEB RELAY AS SHOWN IN THE PLANS. THE WEB RELAY SHALL PROVIDE REMOTE RELAY CONTROL THROUGH 10 30-AMP RELAYS. RELAYS SHALL BE INDIVIDUALLY CONTROLLED USING STARDARD WEB BROWSER OR BY SENDING COMMANDS FRO A CUSTOM CONTROL APPLICATION. IT SHALL BE SELF CONTAINED WITH A BUILT-IN WEB SERVER AND SHALL REQUIRE NO EXTERNAL SOFTWARE, ADDITIONAL NETWORK MODULES. THE WEB RELAY SHALL BE DIN-RAIL MOUNTABLE. ALL BLANK OUT SIGNS SHALL HAVE THE CAPABILITY OF DISPLAYING UP TO 3 MESSAGES PER SIGN.</div>					
CONDUIT:													
<div>1. HDPE CONDUIT COLOR CODES:<div>-DROP CABLE (2-1.25"):1. ORANGE (FIBER &amp; COMPOSITE IF REQUIRED)2. ORANGE W/ WHITE STRIPE (TONE WIRE)</div><div>-POWER (1-2"):1. RED</div></div>													
PULL BOXES:													
<div>1. ALL PULL BOX COVERS TO BE FURNISHED AND INSTALLED SHALL BE NON-METALLIC, UNLESS SPECIFIED OTHERWISE IN THE PLANS.</div> <div>2. ALL PULL AND SPLICE BOXES TO BE INSTALLED ADJACENT TO ITS POLES ON A SLOPE SHALL BE INSTALLED ON THE SIDE OF THE POLE WITH THE HIGHEST SLOPE.</div>													
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION										
				VARIES			VOLUSIA			436325-1-52-01		IT-17	

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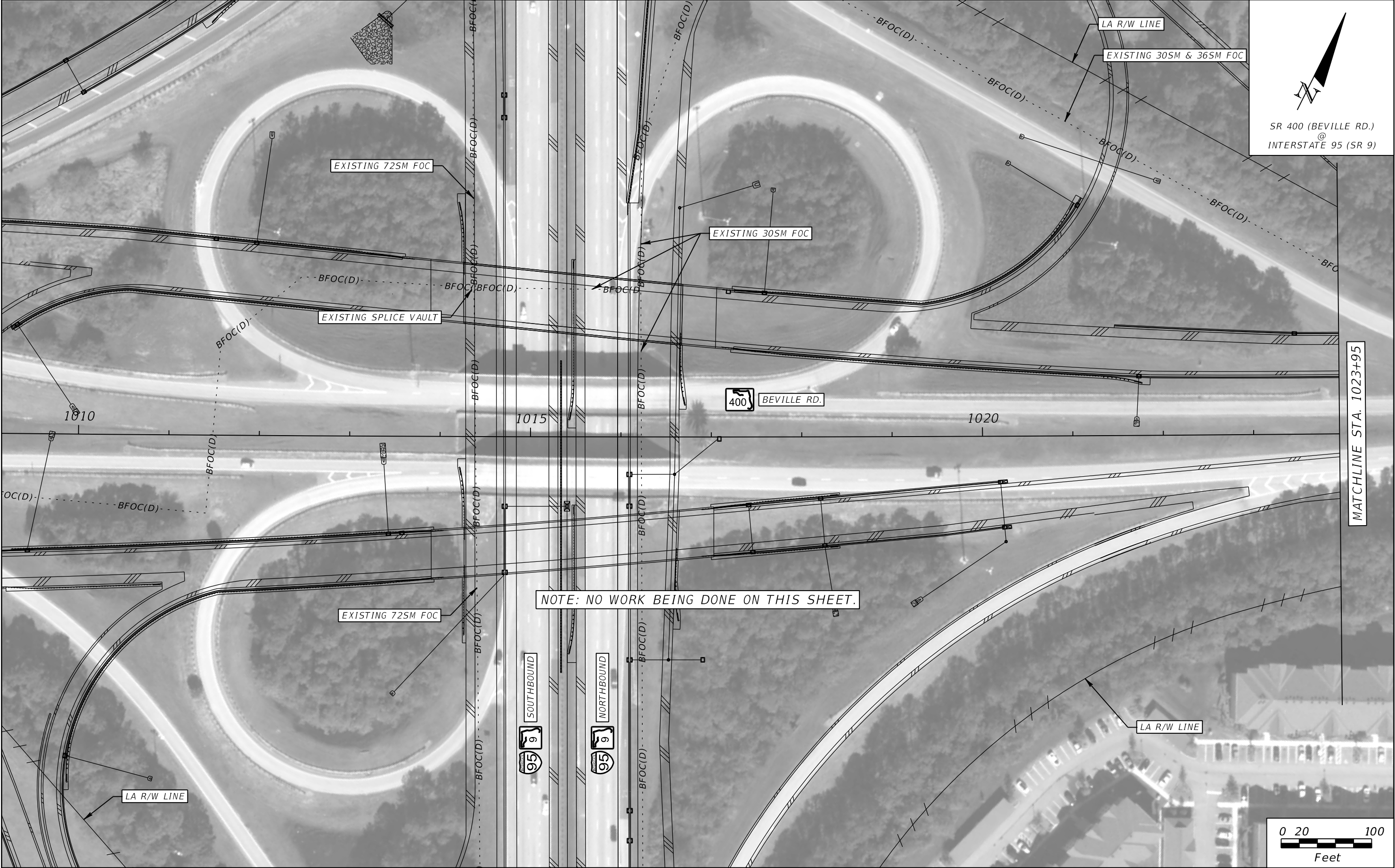


**ABBREVIATIONS:**

- |      |                                 |
|------|---------------------------------|
| ADMS | - ARTERIAL DYNAMIC MESSAGE SIGN |
| BOS  | - BLANK-OUT SIGN                |
| BT   | - BLUETOOTH                     |
| EOTL | - EDGE OF TRAVEL LANE           |
| FOGR | - FACE OF GUARDRAIL             |
| LHUB | - LOCAL HUB                     |
| SM   | - SINGLE MODE                   |

NOTE:  
SYMBOLS ARE NOT TO SCALE IN THE PLAN SET. USE THE DIMENSIONS SHOWN IN THESE PLANS AND SPECIFICATIONS WHEN LAYING OUT THE PROJECT.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS (SR 400)	

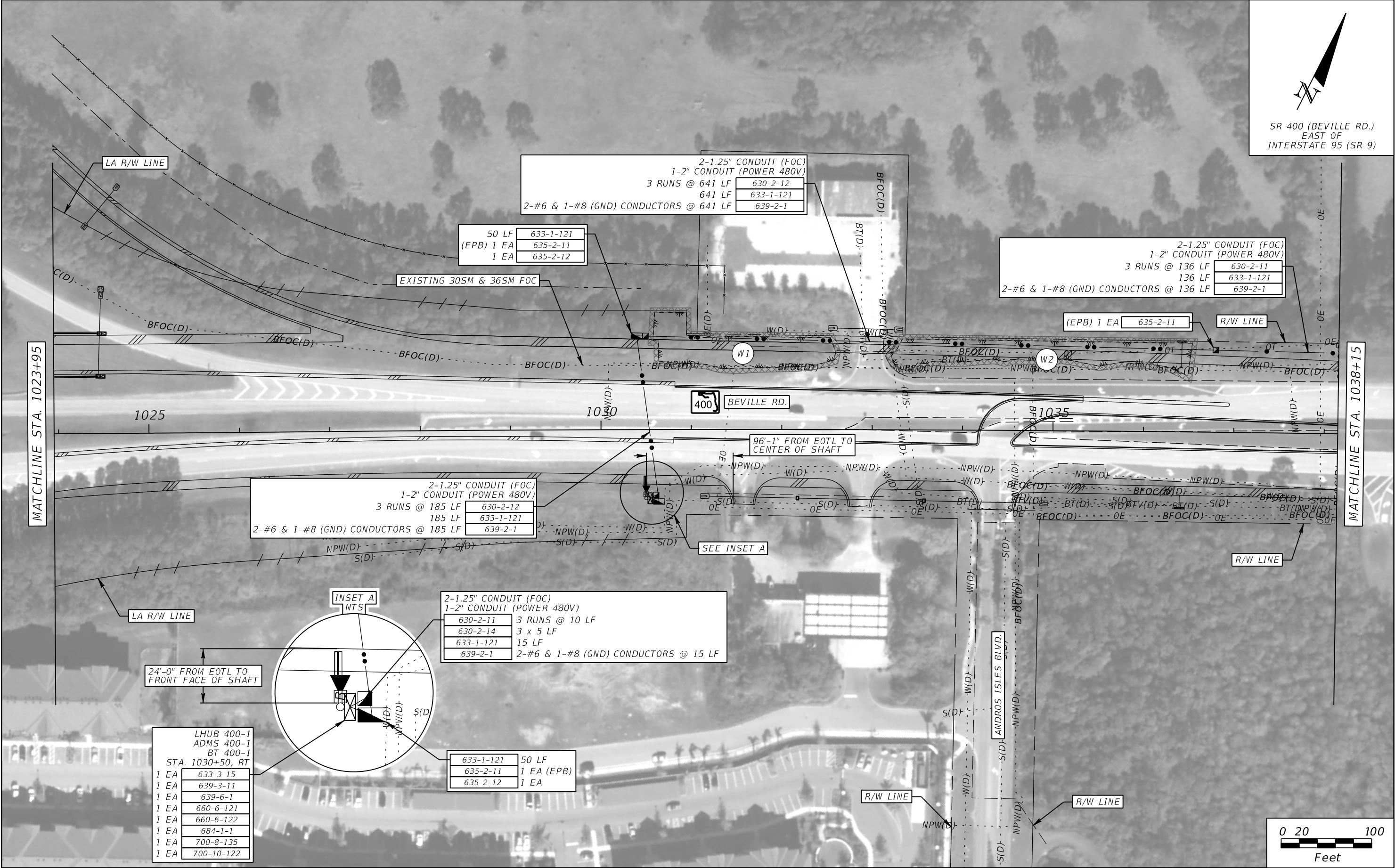
SHEET NO.
IT-19

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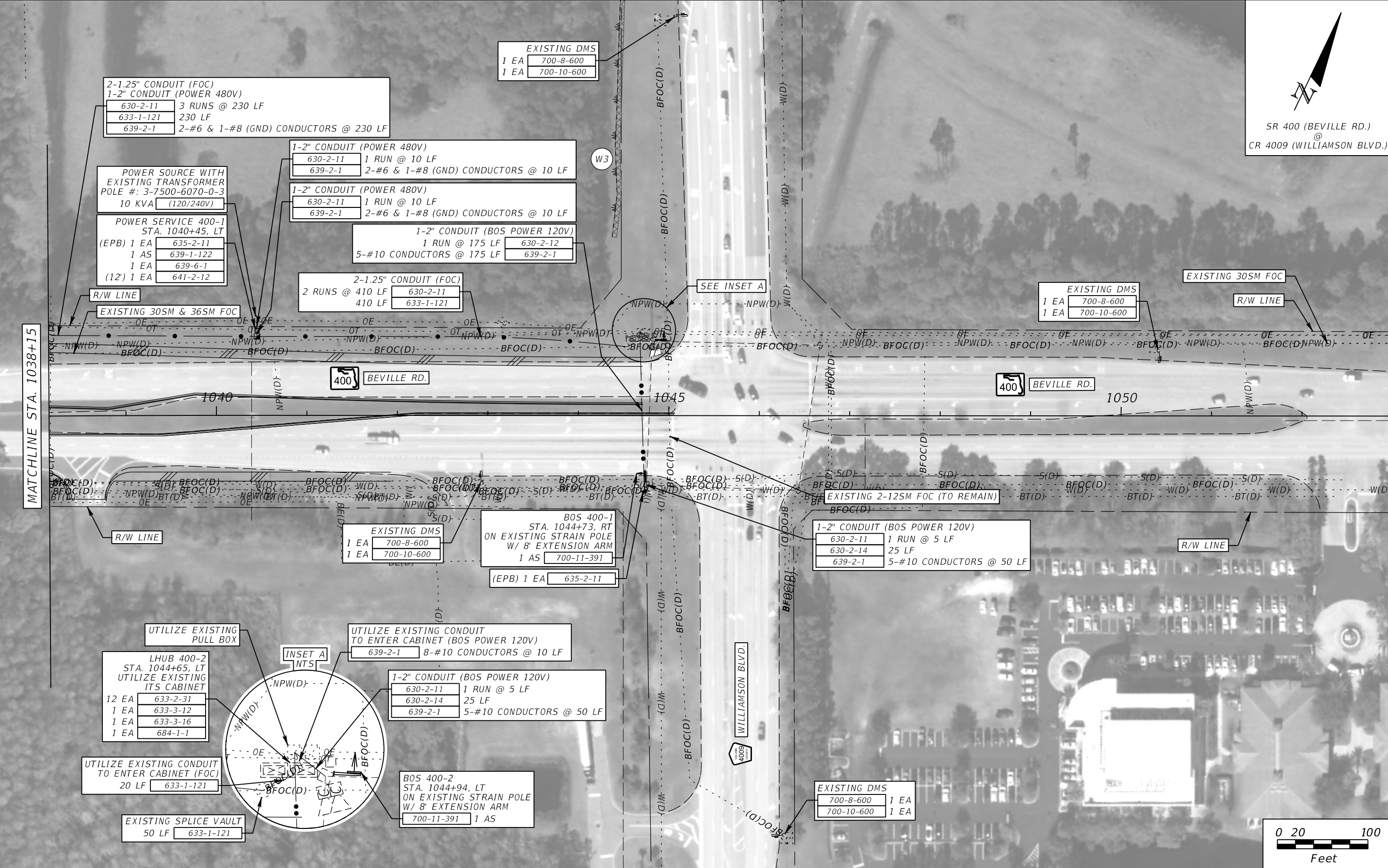
SR 400 (BEVILLE RD.)  
EAST OF  
INTERSTATE 95 (SR 9)



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 400)	SHEET NO.  IT-20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	VOLUSIA	436325-1-52-01		

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

SR 400 (BEVILLE RD.)  
@  
CR 4009 (WILLIAMSON BLVD.)



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 400)		SHEET NO.  IT-21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 400	VOLUSIA	436325-1-52-01			

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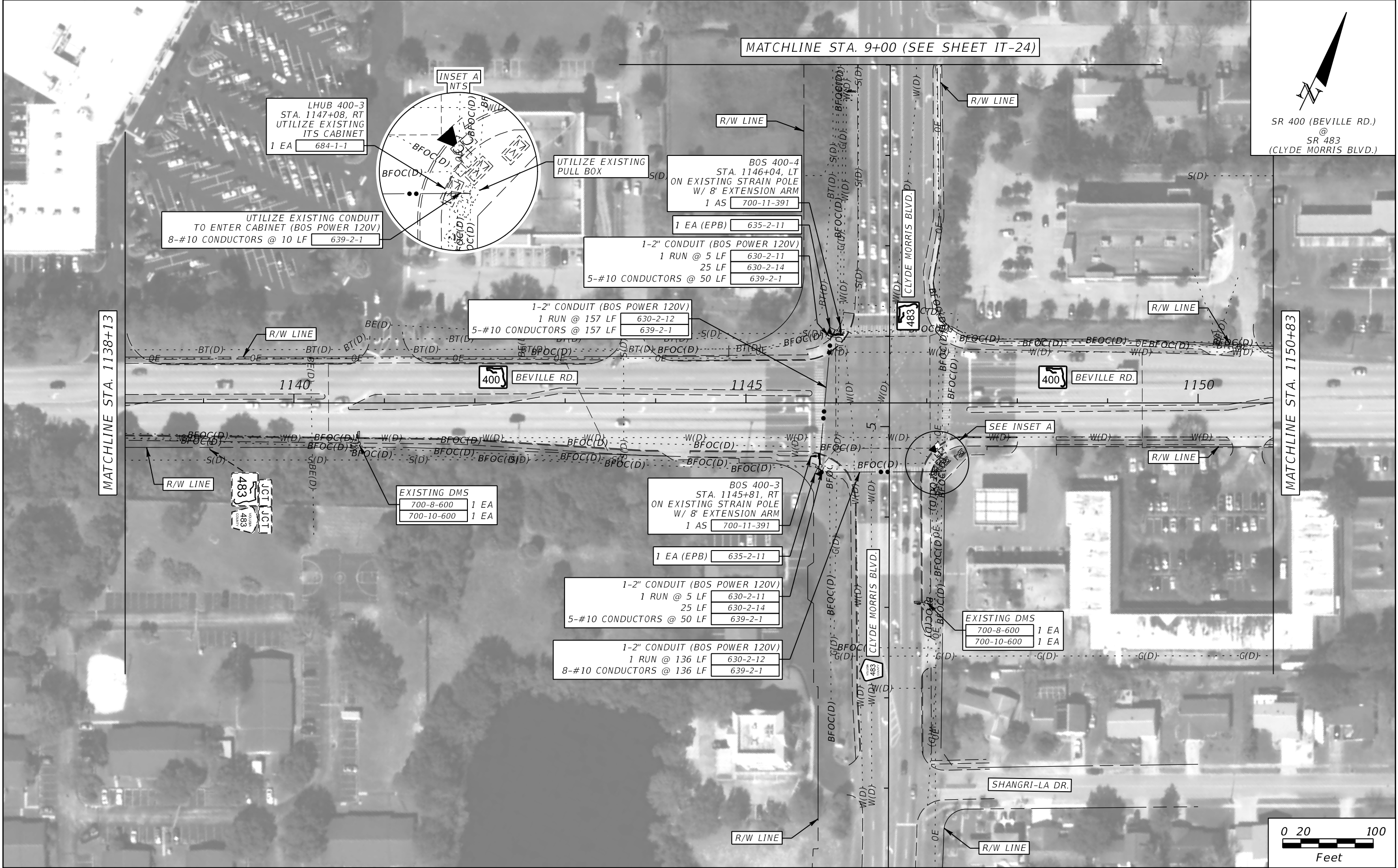


SR 400 (BEVILLE RD.)  
WEST OF  
SR 483  
(CLYDE MORRIS BLVD.)

MATCHLINE STA. 1138+13

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS  (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	VOLUSIA	436325-1-52-01		
								IT-21A	

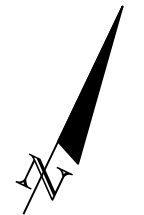




REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 400)	SHEET NO.  IT-22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	VOLUSIA	436325-1-52-01		

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SR 400 (BEVILLE RD.)  
EAST OF  
SR 483  
(CLYDE MORRIS BLVD.)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS  
(SR 400)

SHEET NO.  
IT-23

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

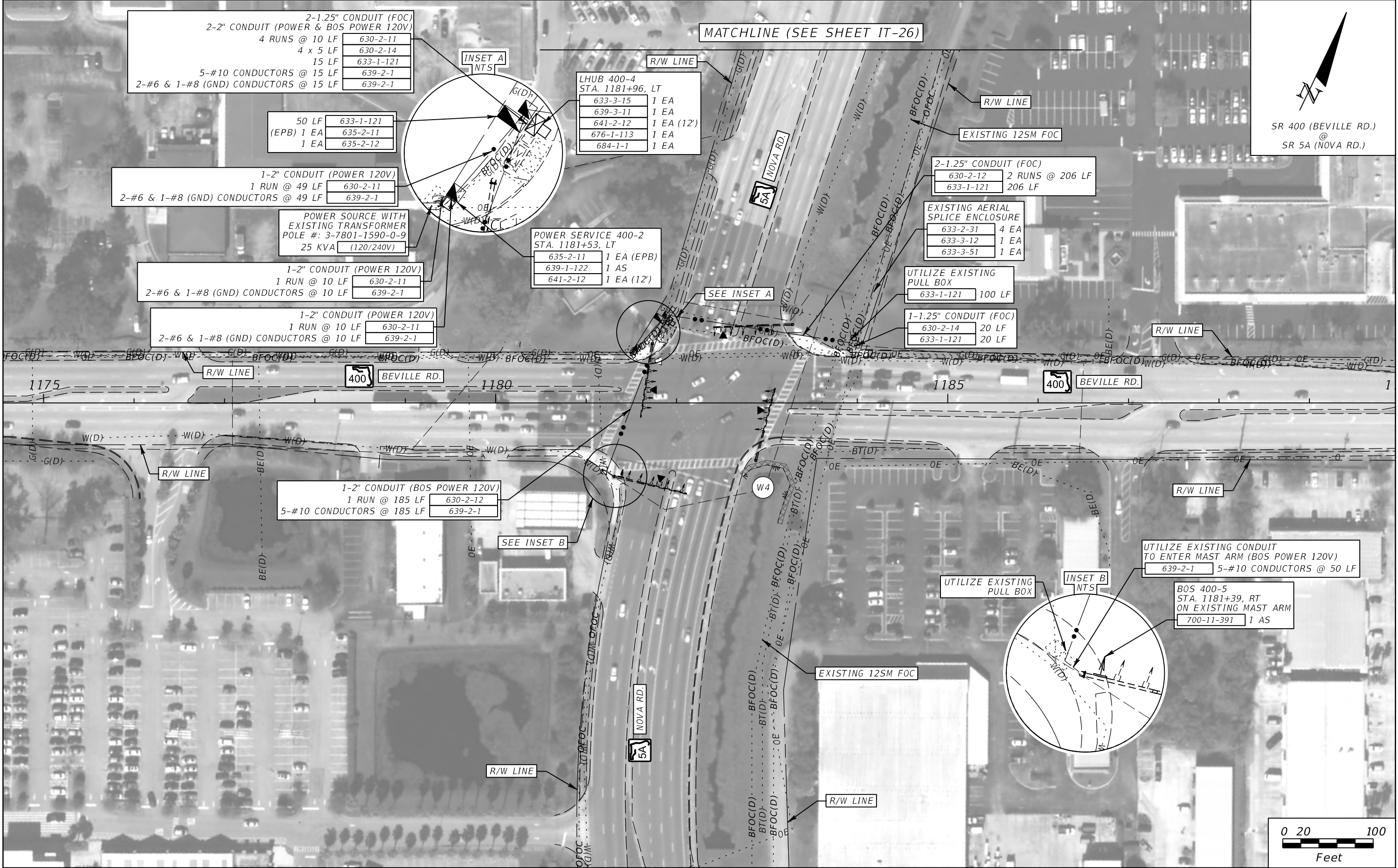




REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 400)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 483	VOLUSIA	436325-1-52-01		IT-24

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REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 400)	SHEET NO.  IT-25
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	VOLUSIA	436325-1-52-01		

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



SR 5A (NOVA RD.)  
NORTH OF  
SR 400 (BEVILLE RD.)

BT 400-4  
STA. 1184+74, LT  
ON SINGLE POST

660-6-121	1 EA
660-6-122	1 EA
676-3-10	1 EA
684-6-11	1 EA
695-5-1	1 EA
700-1-12	1 AS

6'-0" FROM FACE OF CURB  
TO FACE OF POLE

SEE INSET A

34'-0" FROM CURVE IN SIDEWALK  
TO CENTER OF POLE

5A NOVA RD.

EXISTING 12SM FOC

MATCHLINE (SEE SHEET IT-25)

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

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 400)	SHEET NO.  IT-26
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 5A	VOLUSIA	436325-1-52-01		

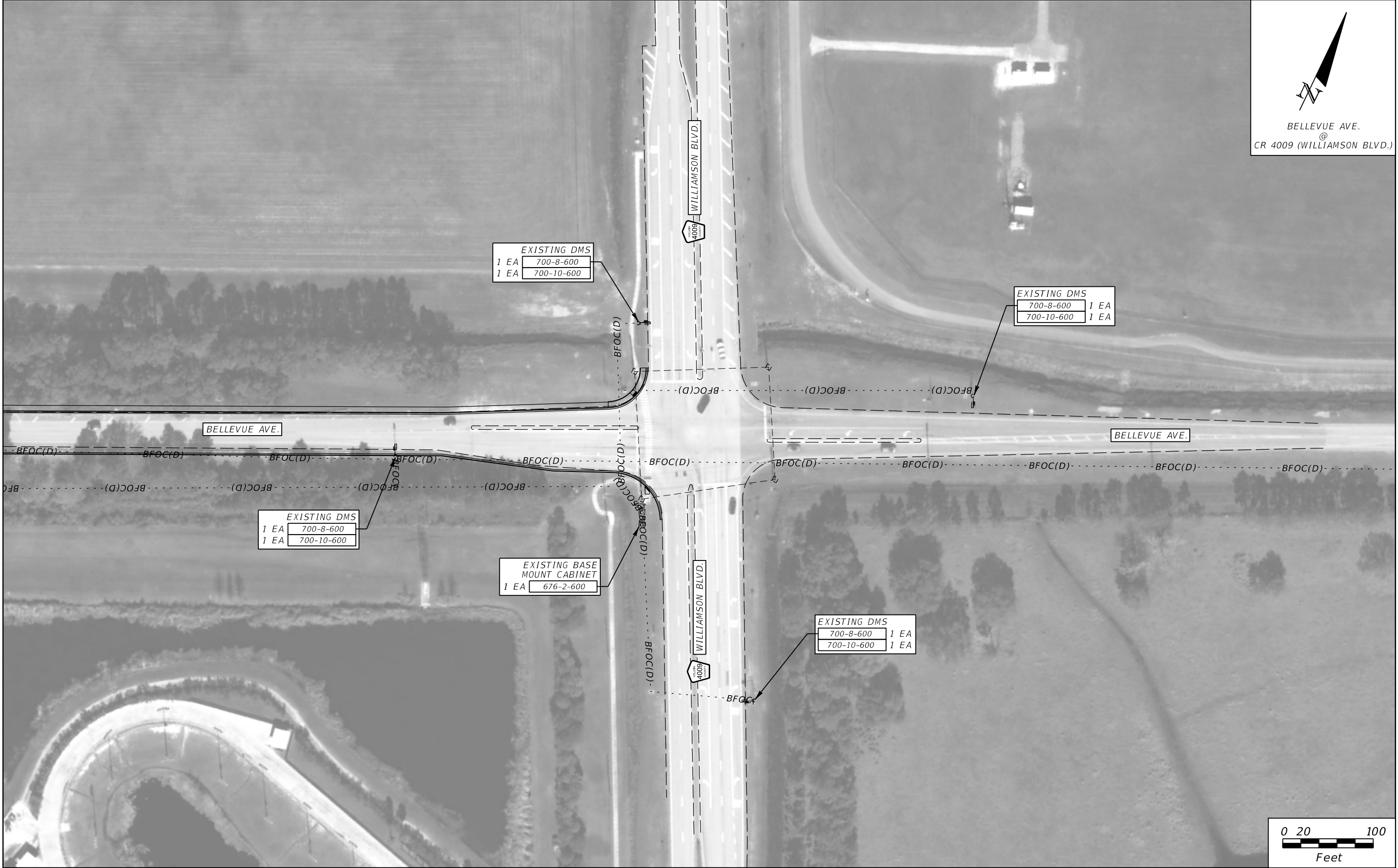
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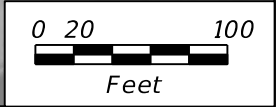
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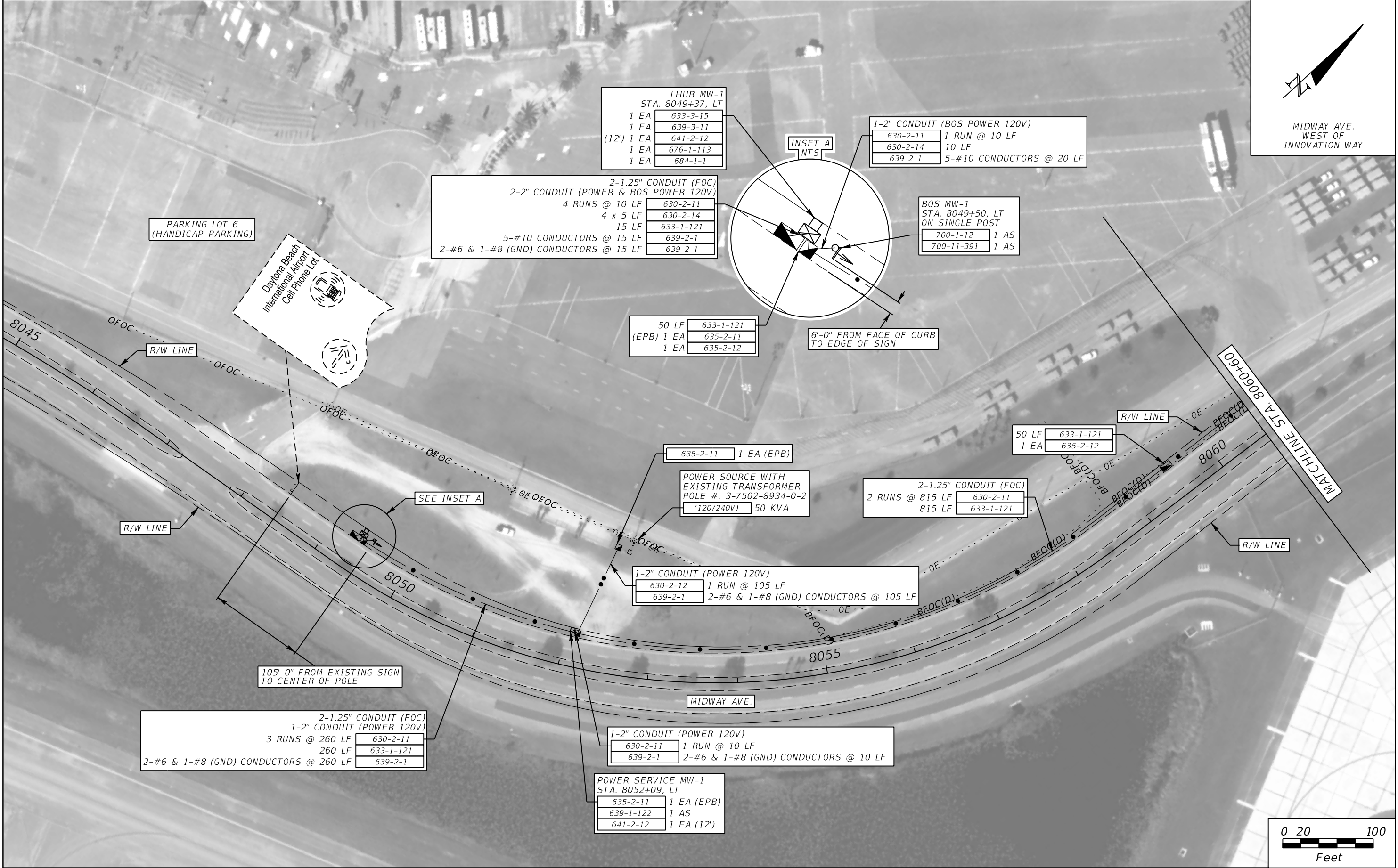


BELLEVUE AVE.  
@  
CR 4009 (WILLIAMSON BLVD.)



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (BELLEVUE AVE)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					BELLEVUE	VOLUSIA	436325-1-52-01		IT-26A

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REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (MIDWAY AVE.)	SHEET NO.  IT-27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					MIDWAY	VOLUSIA	436325-1-52-01		

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REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (MIDWAY AVE.)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			IT-28	
					MIDWAY	VOLUSIA	436325-1-52-01				

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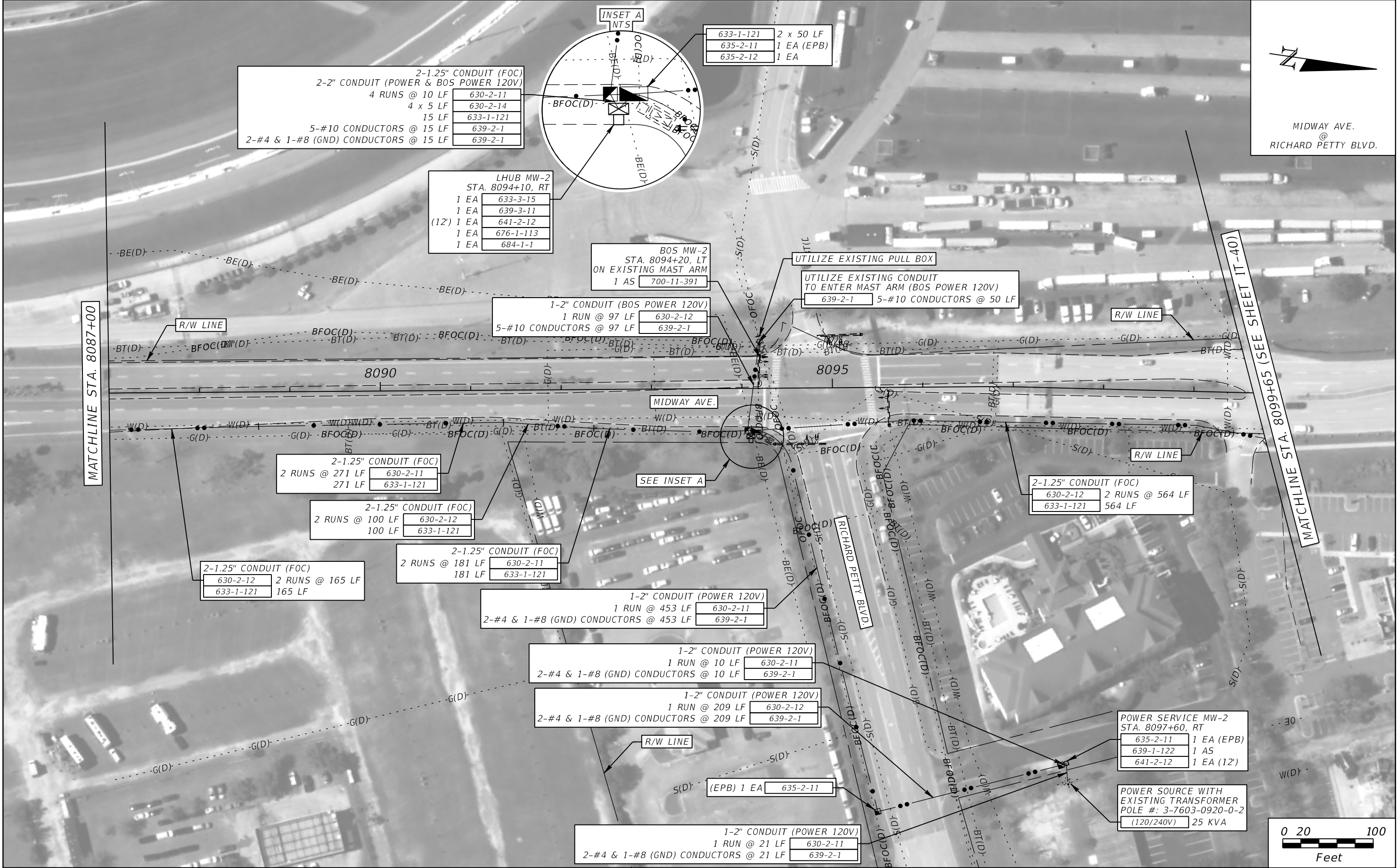


MIDWAY AVE.  
@  
INNOVATION WAY

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (MIDWAY AVE.)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			IT-29	
					MIDWAY	VOLUSIA	436325-1-52-01				

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





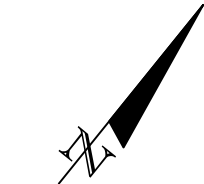
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

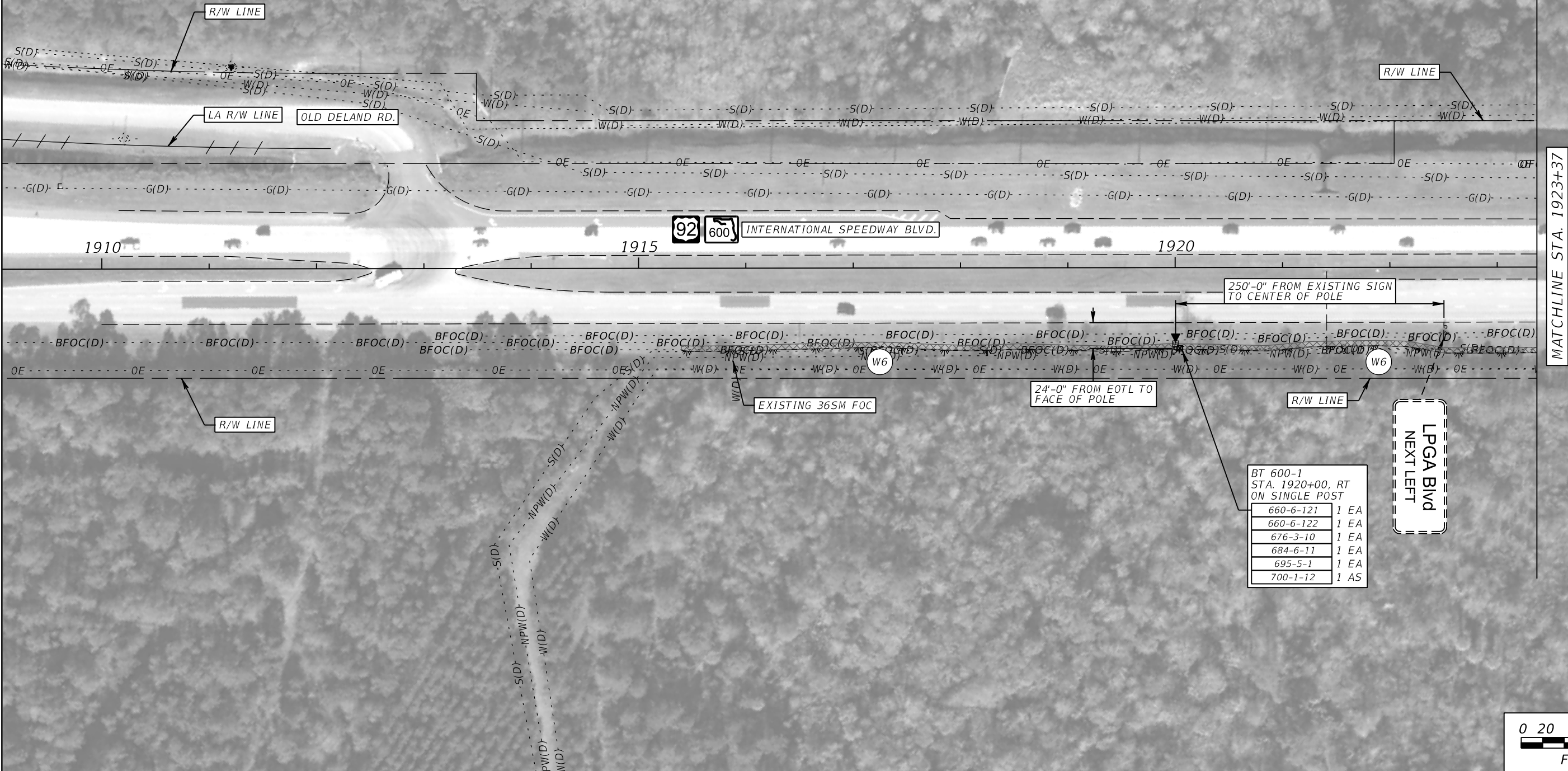
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
MIDWAY	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS (MIDWAY AVE.)	
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.

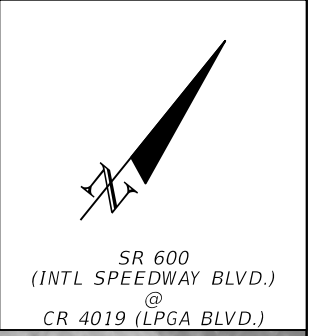
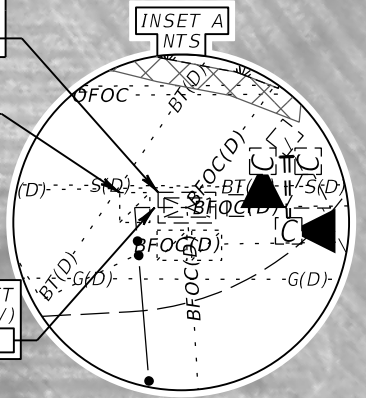
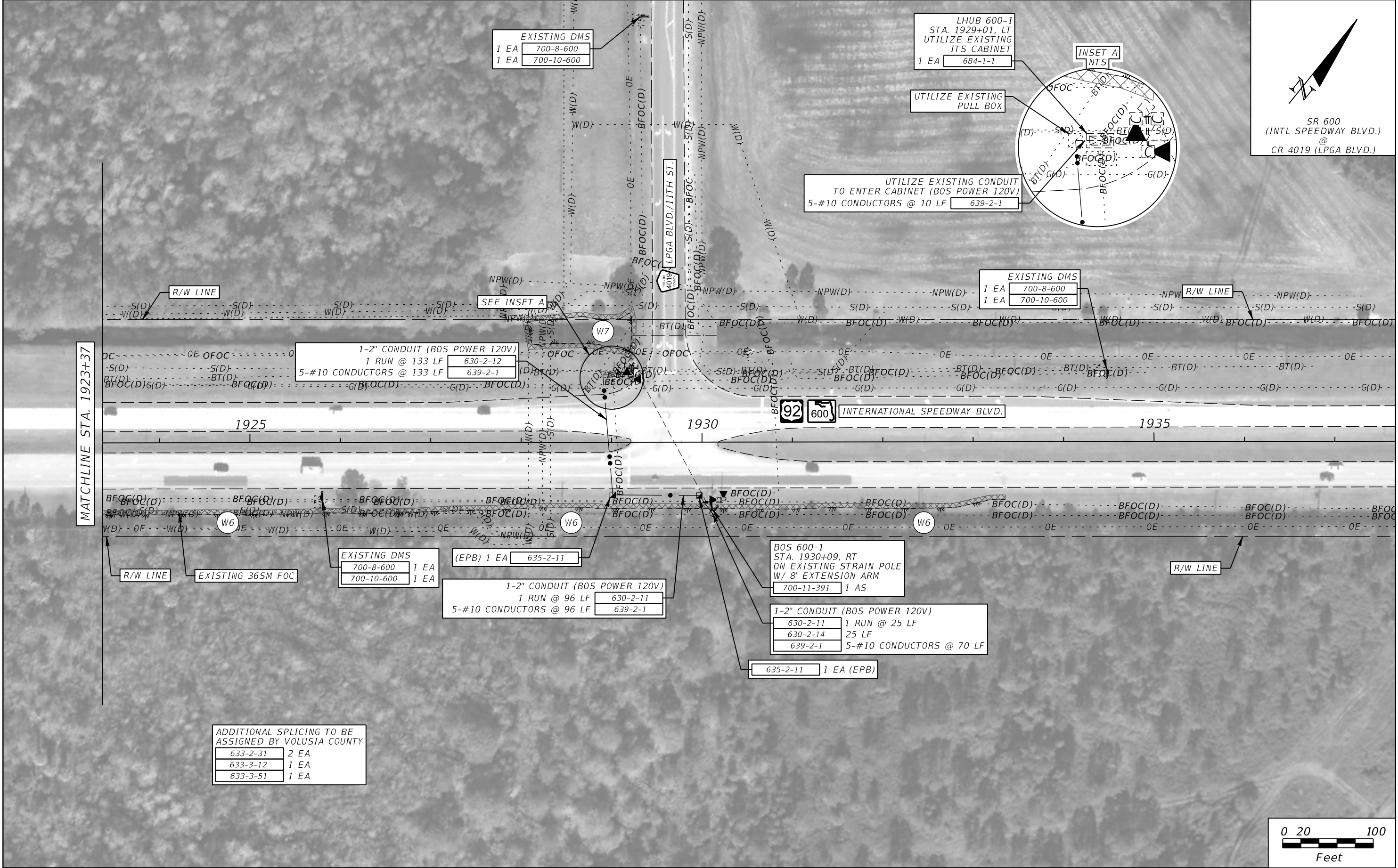


SR 600  
(INTL. SPEEDWAY BLVD.)  
WEST OF  
CR 4019 (LPGA BLVD.)



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 600)		SHEET NO.  IT-31
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 600	VOLUSIA	436325-1-52-01			



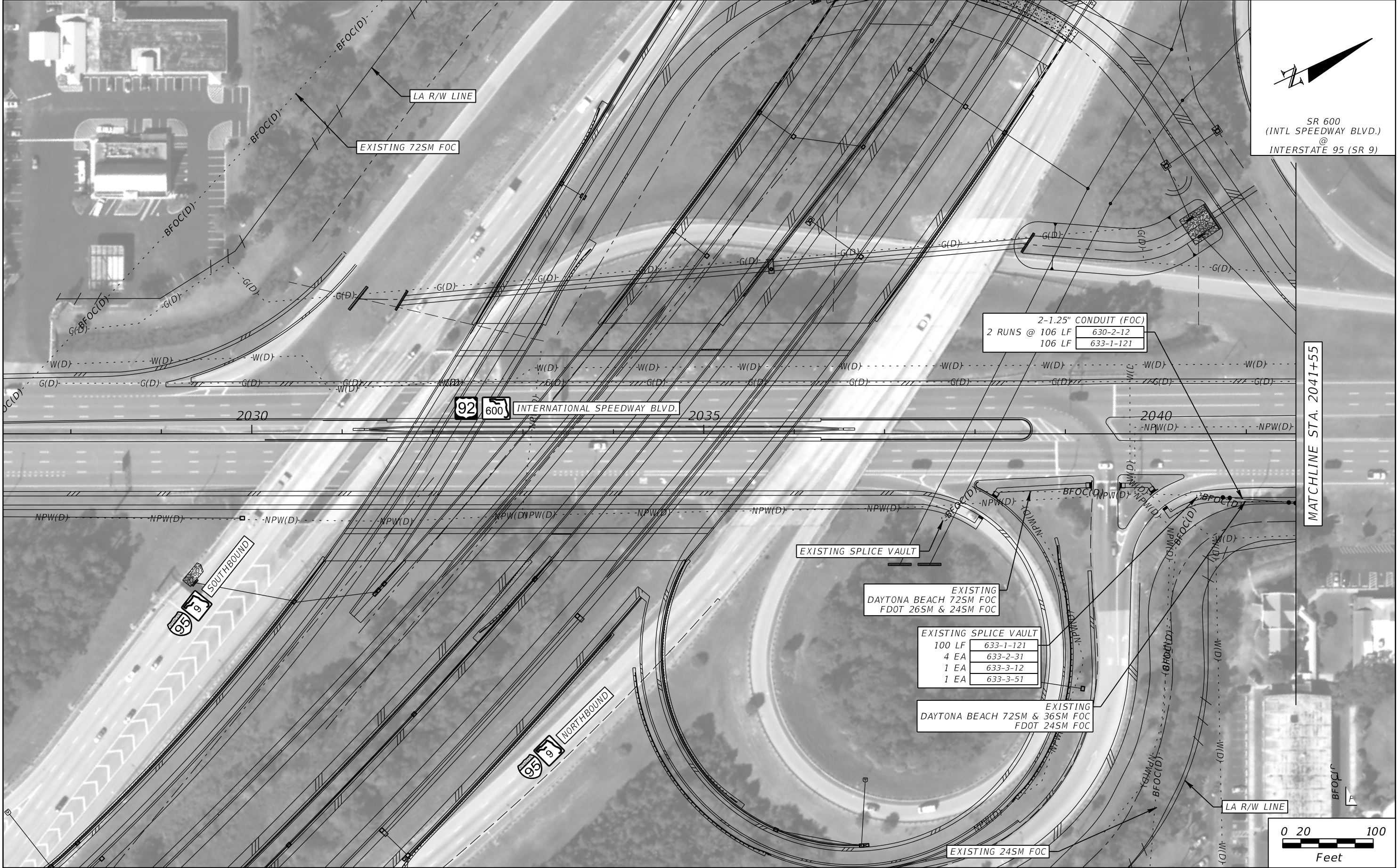


ADDITIONAL SPLICING TO BE ASSIGNED BY VOLUSIA COUNTY			
633-2-31	2	EA	
633-3-12	1	EA	
633-3-51	1	EA	

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 600)	SHEET NO.  IT-32
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 600	VOLUSIA	436325-1-52-01		

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





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 600	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS (SR 600)		SHEET NO.
		IT-33





SR 600  
(INTL SPEEDWAY BLVD.)  
EAST OF  
INTERSTATE 95 (SR 9)

MATCHLINE STA. 2041+55

LA R/W LINE

EXISTING 24SM FOC

2-1.25" CONDUIT (FOC)  
630-2-12 2 RUNS @ 100 LF  
633-1-121 100 LF

92 600

INTERNATIONAL SPEEDWAY BLVD.

R/W LINE

24'-0" FROM EOTL TO FACE OF SHAFT

6'-0" FROM EDGE OF SIDEWALK TO CENTER OF SHAFT

SEE INSET A

EXISTING DAYTONA BEACH  
72SM & 36SM FOC

R/W LINE

POWER SOURCE WITH  
EXISTING TRANSFORMER  
POLE #: 3-7401-7186-0-9  
(120/240V) 10 KVA

1-2" CONDUIT (POWER 120V)  
630-2-11 1 RUN @ 10 LF  
639-2-1 2-#2 & 1-#8 (GND) CONDUCTORS @ 10 LF

1-2" CONDUIT (POWER 120V)  
630-2-11 1 RUN @ 10 LF  
639-2-1 2-#2 & 1-#8 (GND) CONDUCTORS @ 10 LF

POWER SERVICE 600-1  
STA. 2042+55, RT  
635-2-11 1 EA (EPB)  
639-1-122 1 AS  
641-2-12 1 EA (12')

EXISTING  
DAYTONA BEACH 72SM & 36SM FOC  
FDOT 24SM FOC

2-1.25" CONDUIT (FOC)  
1-2" CONDUIT (POWER 120V)  
630-2-12 3 RUNS @ 265 LF  
633-1-121 265 LF  
639-2-1 2-#4 & 1-#8 (GND) CONDUCTORS @ 265 LF

50 LF 633-1-121  
(EPB) 1 EA 635-2-11  
1 EA 635-2-12

LHUB 600-2  
ADMS 600-1  
BT 600-2  
STA. 2045+22, RT  
1 EA 633-3-15  
1 EA 639-3-11  
1 EA 660-6-121  
1 EA 660-6-122  
1 EA 684-1-1  
1 EA 700-8-135  
1 EA 700-10-122

2-1.25" CONDUIT (FOC)  
1-2" CONDUIT (POWER 120V)  
630-2-11 3 RUNS @ 10 LF  
630-2-14 3 x 5 LF  
633-1-121 15 LF  
639-2-1 2-#4 & 1-#8 (GND) CONDUCTORS @ 15 LF

0 20 100  
Feet

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

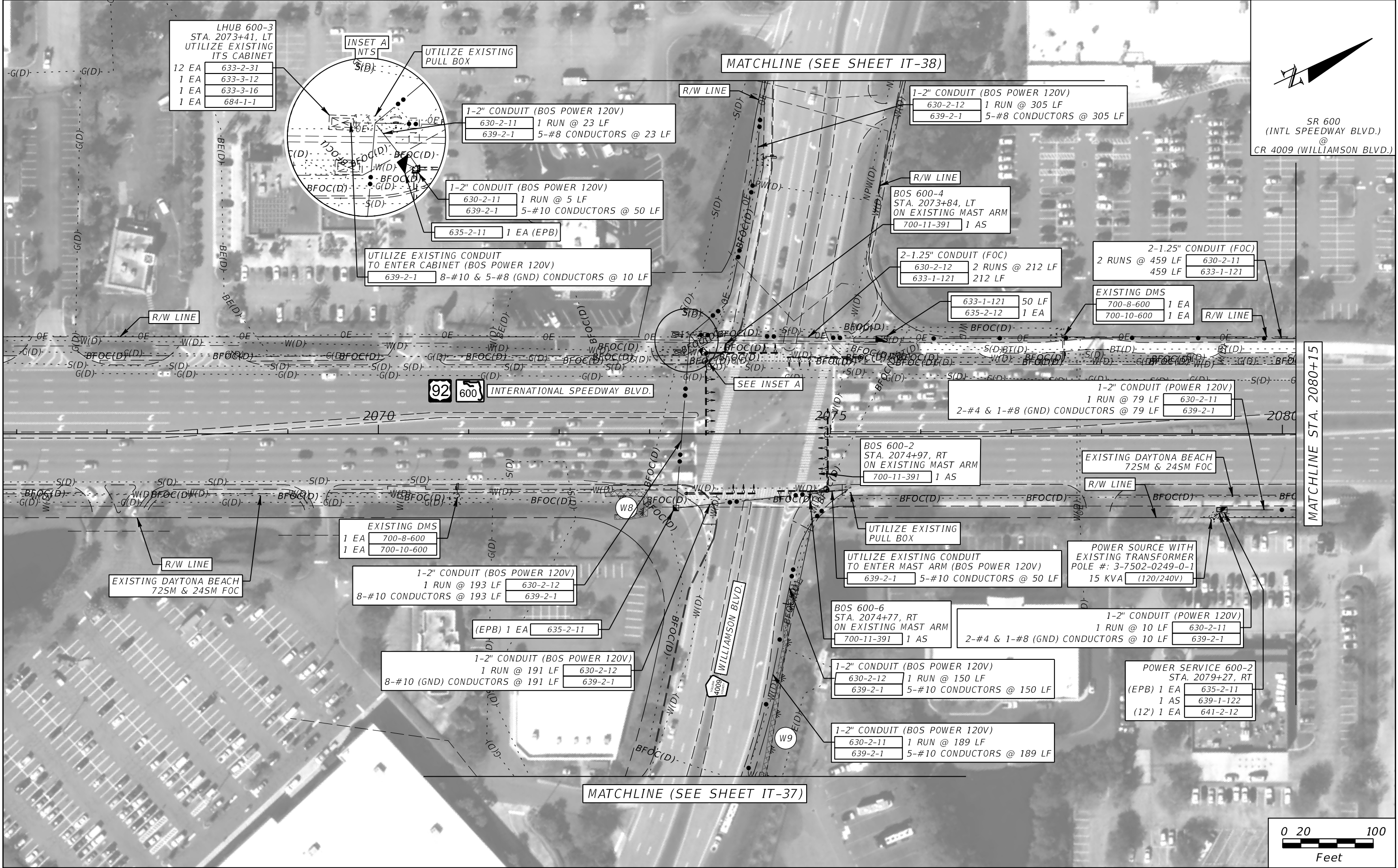
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 600	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS  
(SR 600)

SHEET  
NO.  
IT-34

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





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

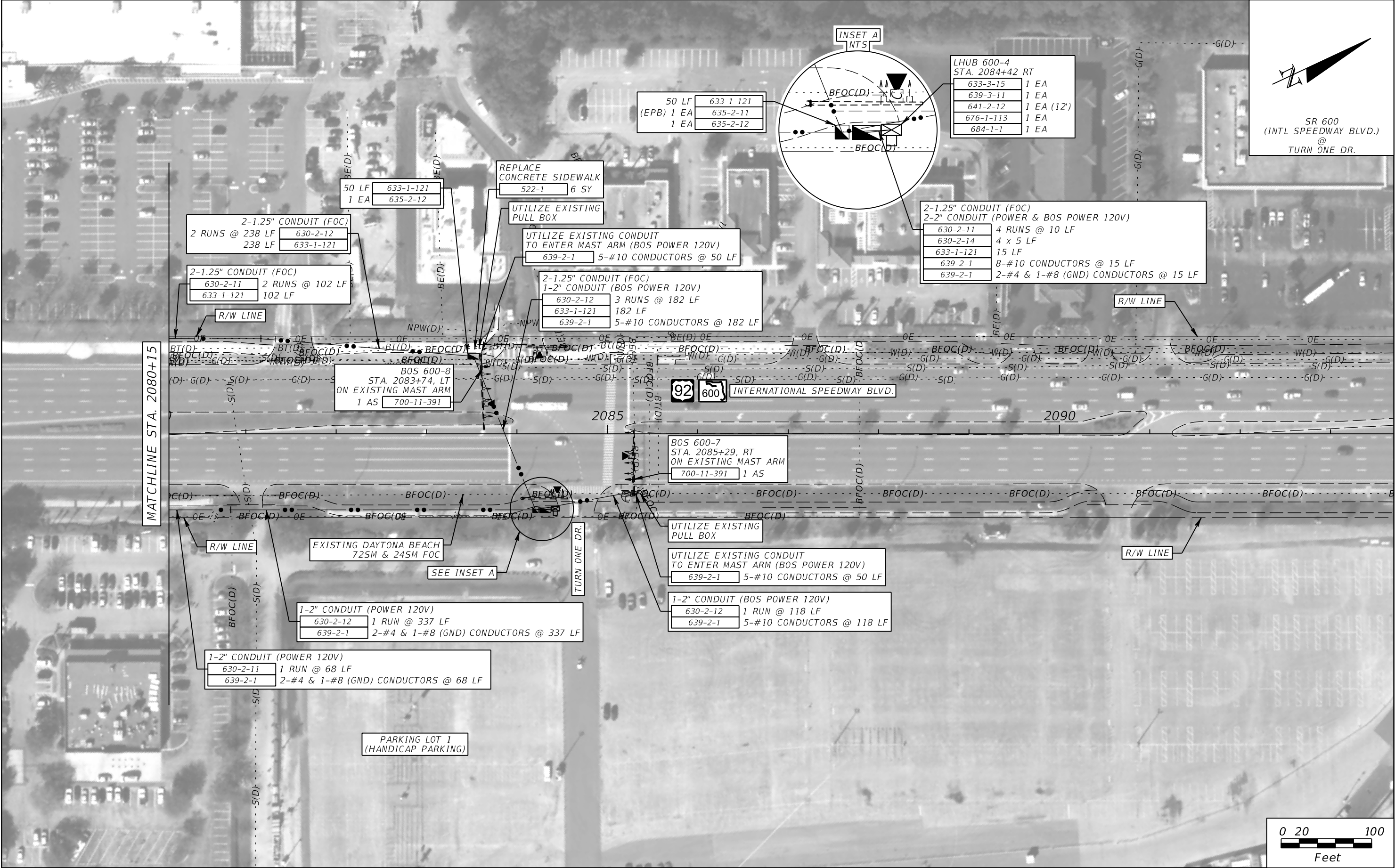
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 600	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS  
(SR 600)

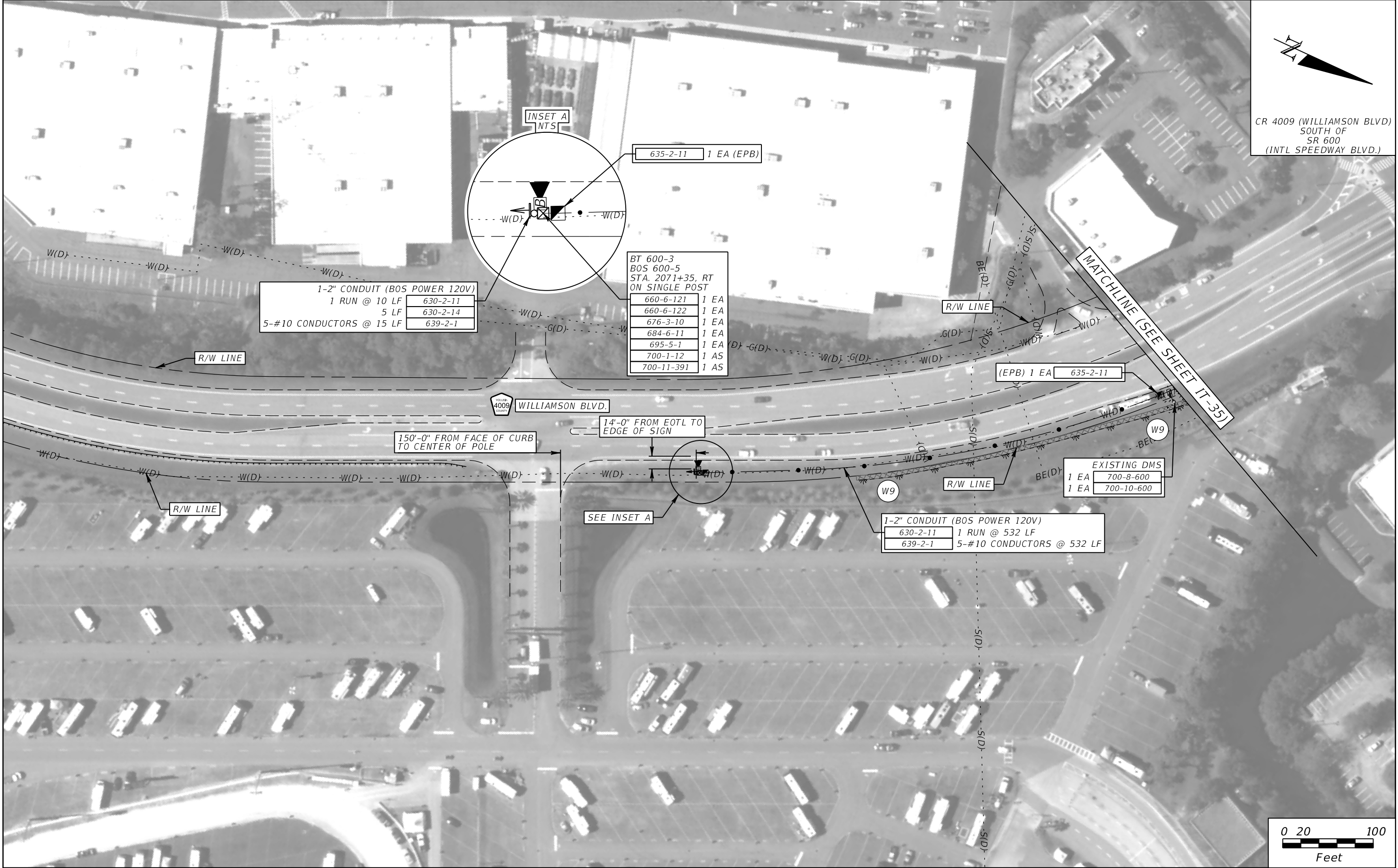
SHEET NO.  
IT-35

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

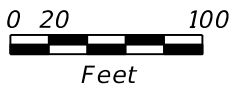




REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 600)		SHEET NO.  IT-36
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 600	VOLUSIA	436325-1-52-01			



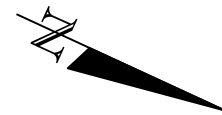
CR 4009 (WILLIAMSON BLVD)  
SOUTH OF  
SR 600  
(INTL SPEEDWAY BLVD.)



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 600)	SHEET NO.  IT-37
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 4009	VOLUSIA	436325-1-52-01		

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





CR 4009 (WILLIAMSON BLVD)  
NORTH OF  
SR 600  
(INTL SPEEDWAY BLVD.)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

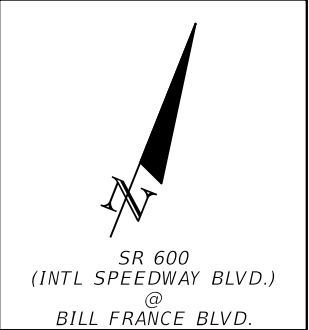
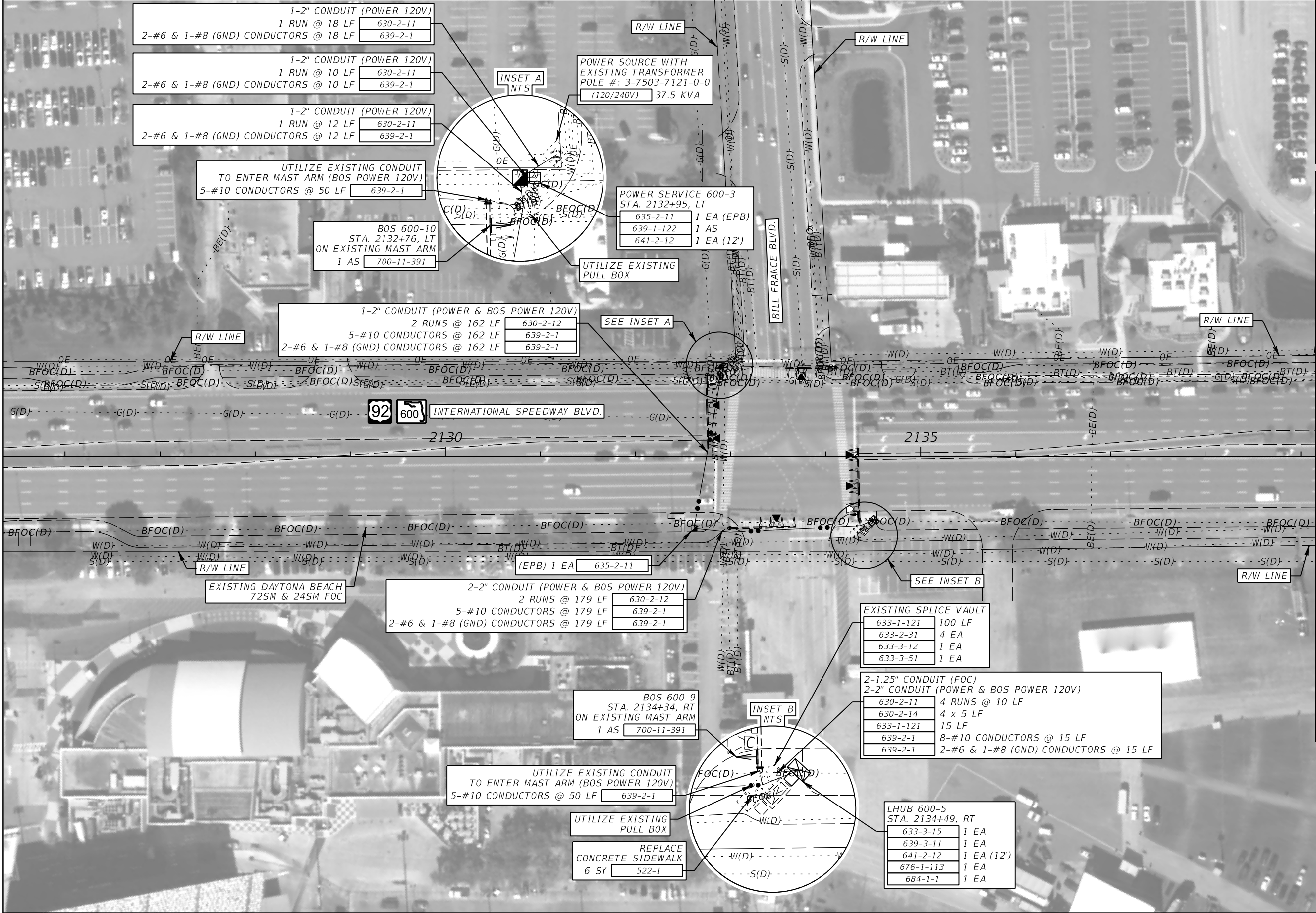
ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 4009	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS  
(SR 600)

SHEET NO.
IT-38

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



MATCHLINE STA. 2139+15



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

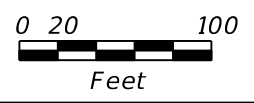
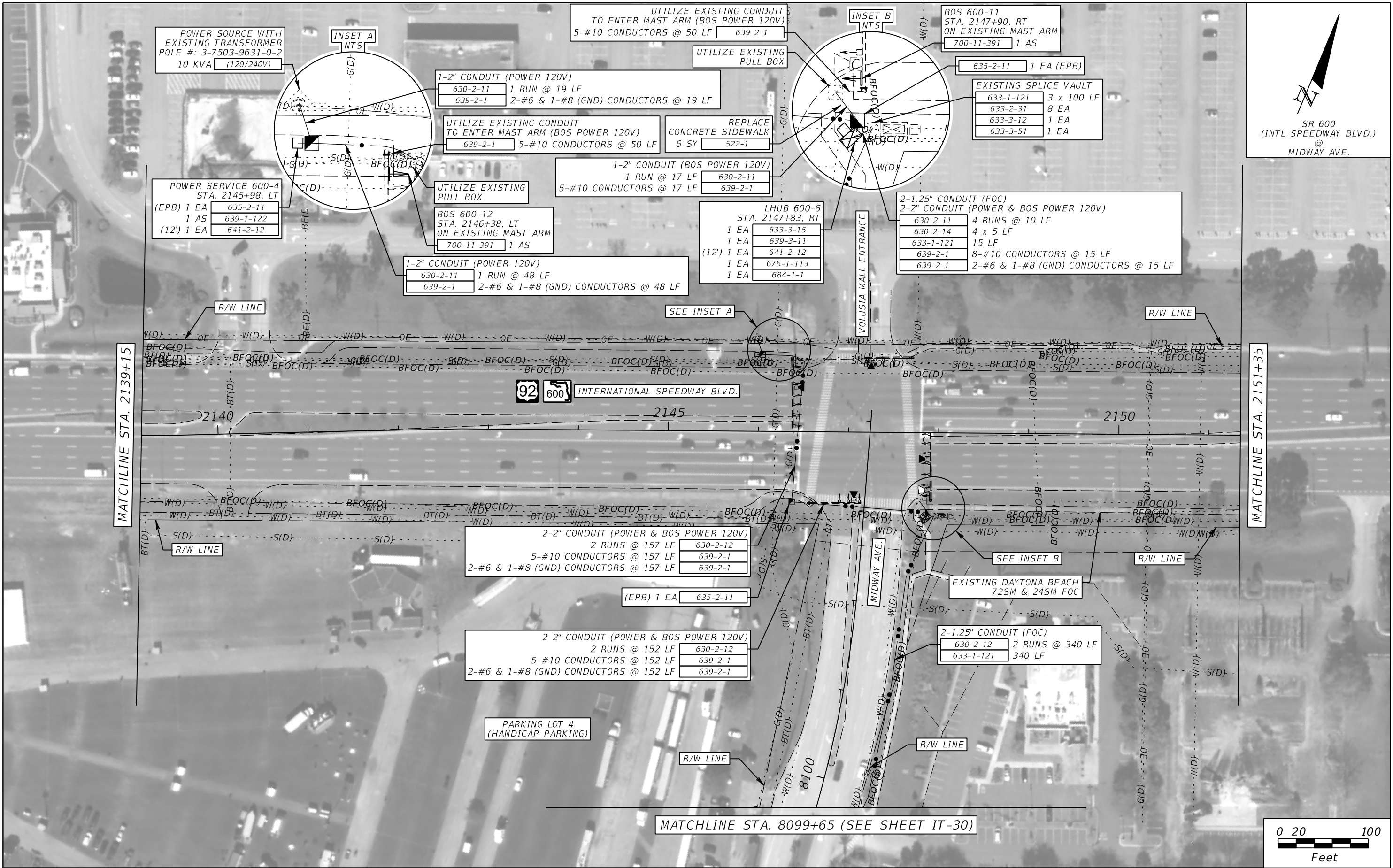
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 600	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS  
(SR 600)

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.





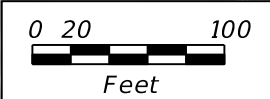
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 600)		SHEET NO.  IT-40
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					SR 600	VOLUSIA	436325-1-52-01			

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





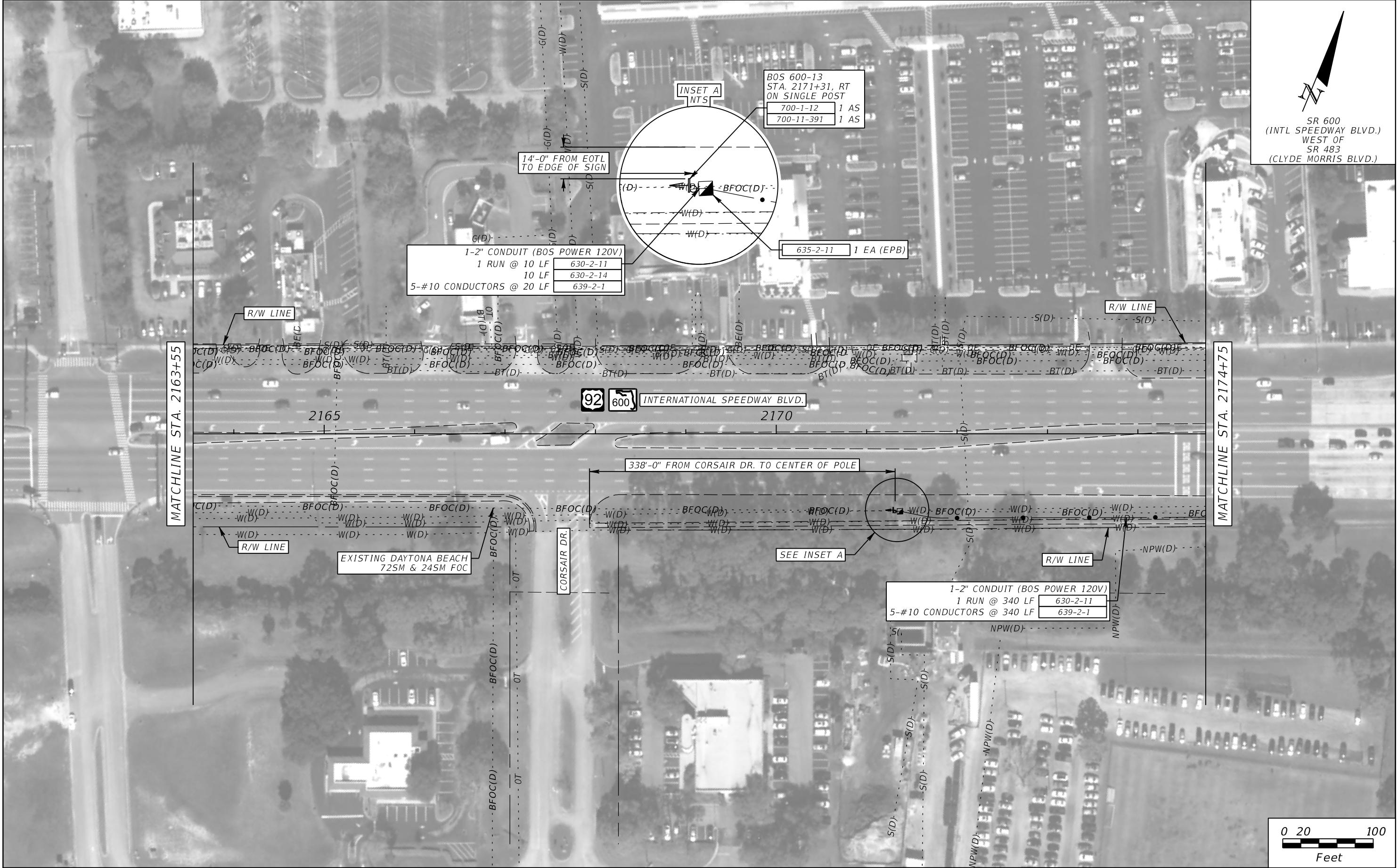
SR 600  
(INTL SPEEDWAY BLVD.)  
@  
HAGEN TER.



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS  (SR 600)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 600	VOLUSIA	436325-1-52-01	IT-40A	

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





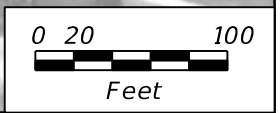
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 600)	SHEET NO.  IT-41
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 600	VOLUSIA	436325-1-52-01		

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



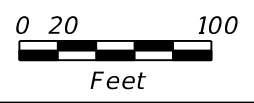
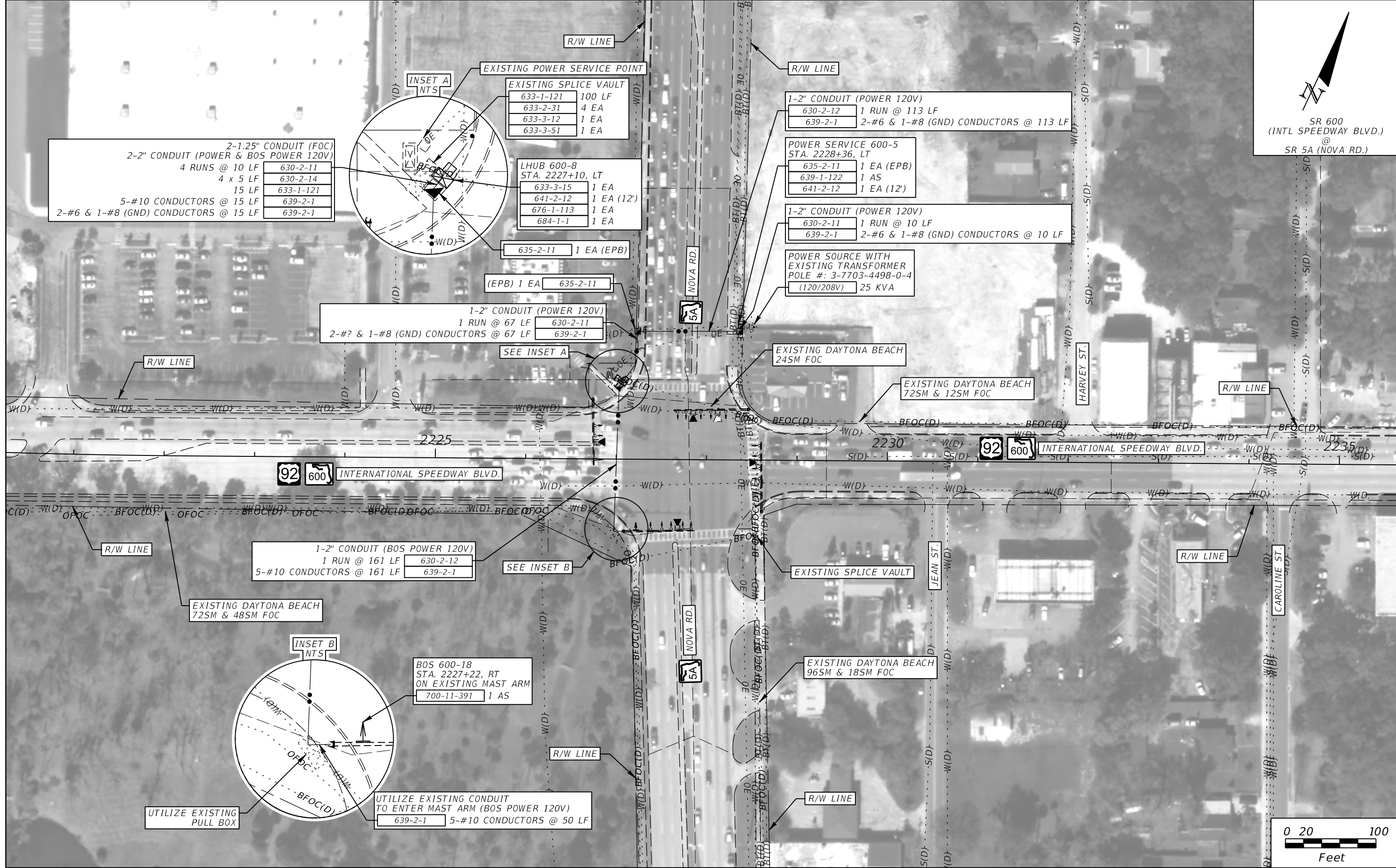


SR 600  
(INTL SPEEDWAY BLVD.)  
@  
SR 483  
(CLYDE MORRIS BLVD.)



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 600)	SHEET NO.  IT-42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 600	VOLUSIA	4363251-52-01		

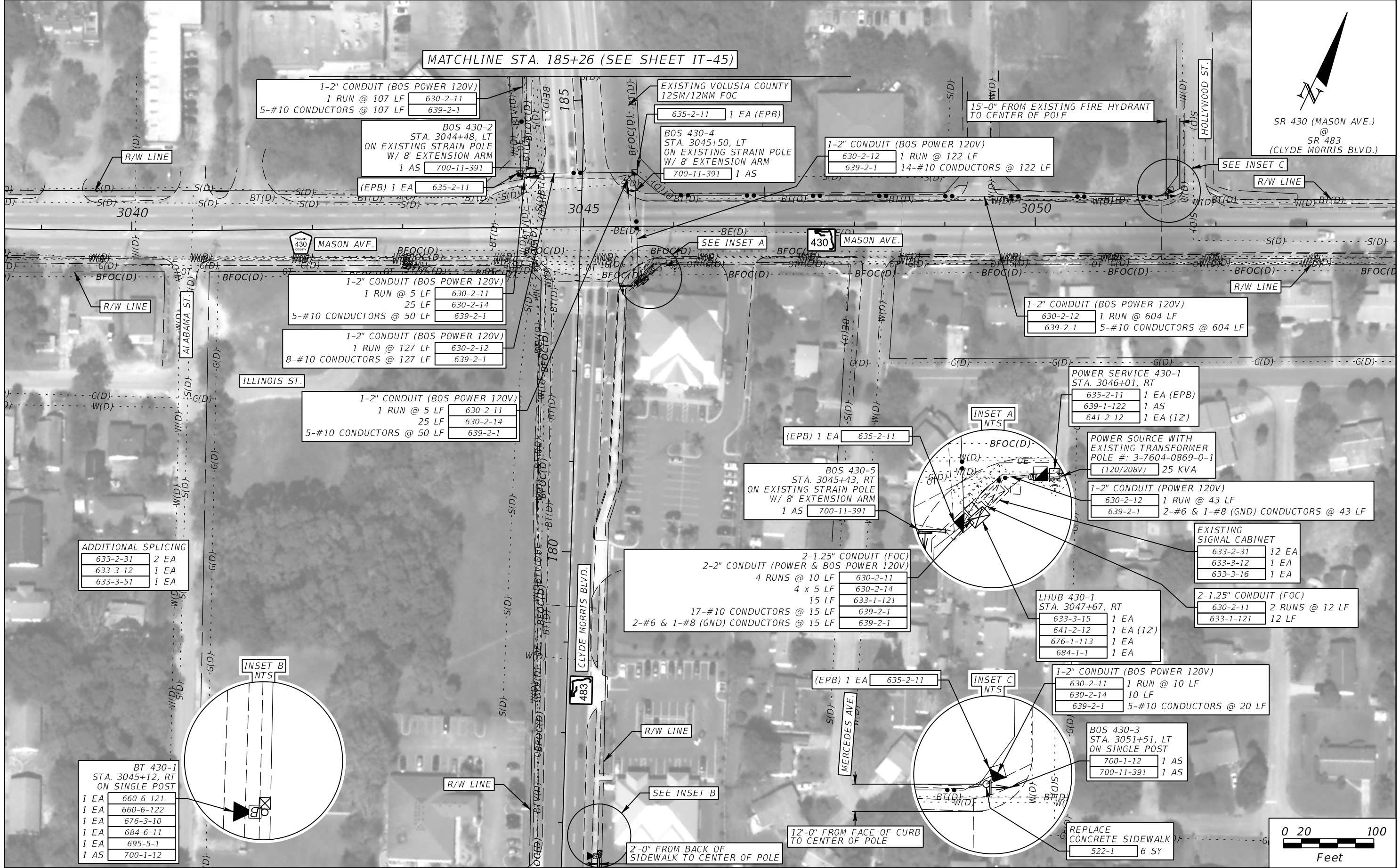
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 600)	SHEET NO.  IT-43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 600	VOLUSIA	436325-1-52-01		

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



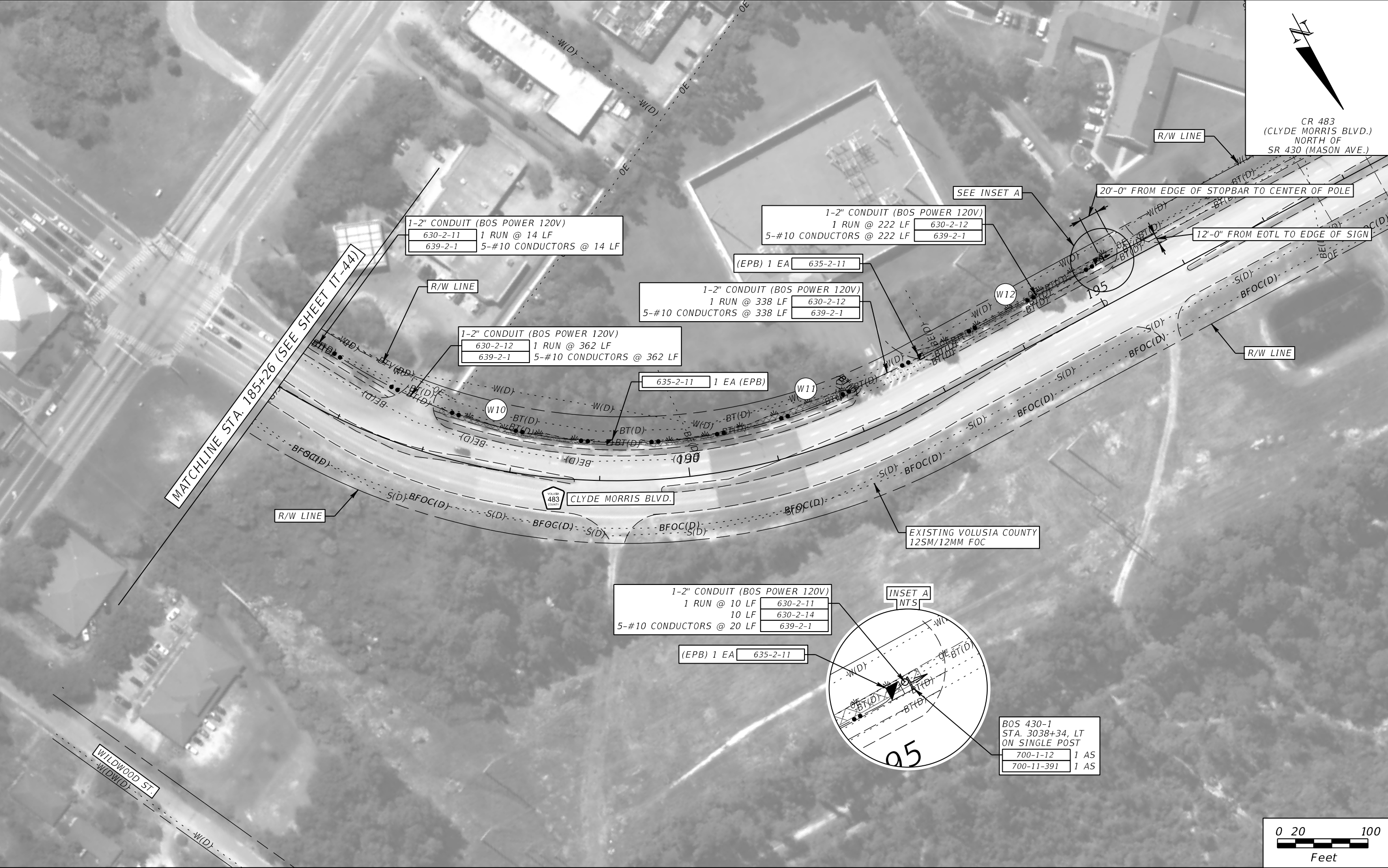


REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 430)	SHEET NO.  IT-44
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 430	VOLUSIA	4363251-152-01		

6/10/2017 7:30:23 AM R:\PROJECT\05 ITS Event Mgmt - 4.2296.01\43632513201\its\planit301.dgn

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





CR 483  
(CLYDE MORRIS BLVD.)  
NORTH OF  
SR 430 (MASON AVE.)

MATCHLINE STA. 185+26 (SEE SHEET IT-44)

1-2" CONDUIT (BOS POWER 120V)  
630-2-11 1 RUN @ 14 LF  
639-2-1 5-#10 CONDUCTORS @ 14 LF

1-2" CONDUIT (BOS POWER 120V)  
1 RUN @ 222 LF 630-2-12  
5-#10 CONDUCTORS @ 222 LF 639-2-1

1-2" CONDUIT (BOS POWER 120V)  
1 RUN @ 338 LF 630-2-12  
5-#10 CONDUCTORS @ 338 LF 639-2-1

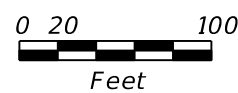
1-2" CONDUIT (BOS POWER 120V)  
630-2-12 1 RUN @ 362 LF  
639-2-1 5-#10 CONDUCTORS @ 362 LF

635-2-11 1 EA (EPB)

1-2" CONDUIT (BOS POWER 120V)  
1 RUN @ 10 LF 630-2-11  
10 LF 630-2-14  
5-#10 CONDUCTORS @ 20 LF 639-2-1

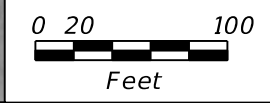
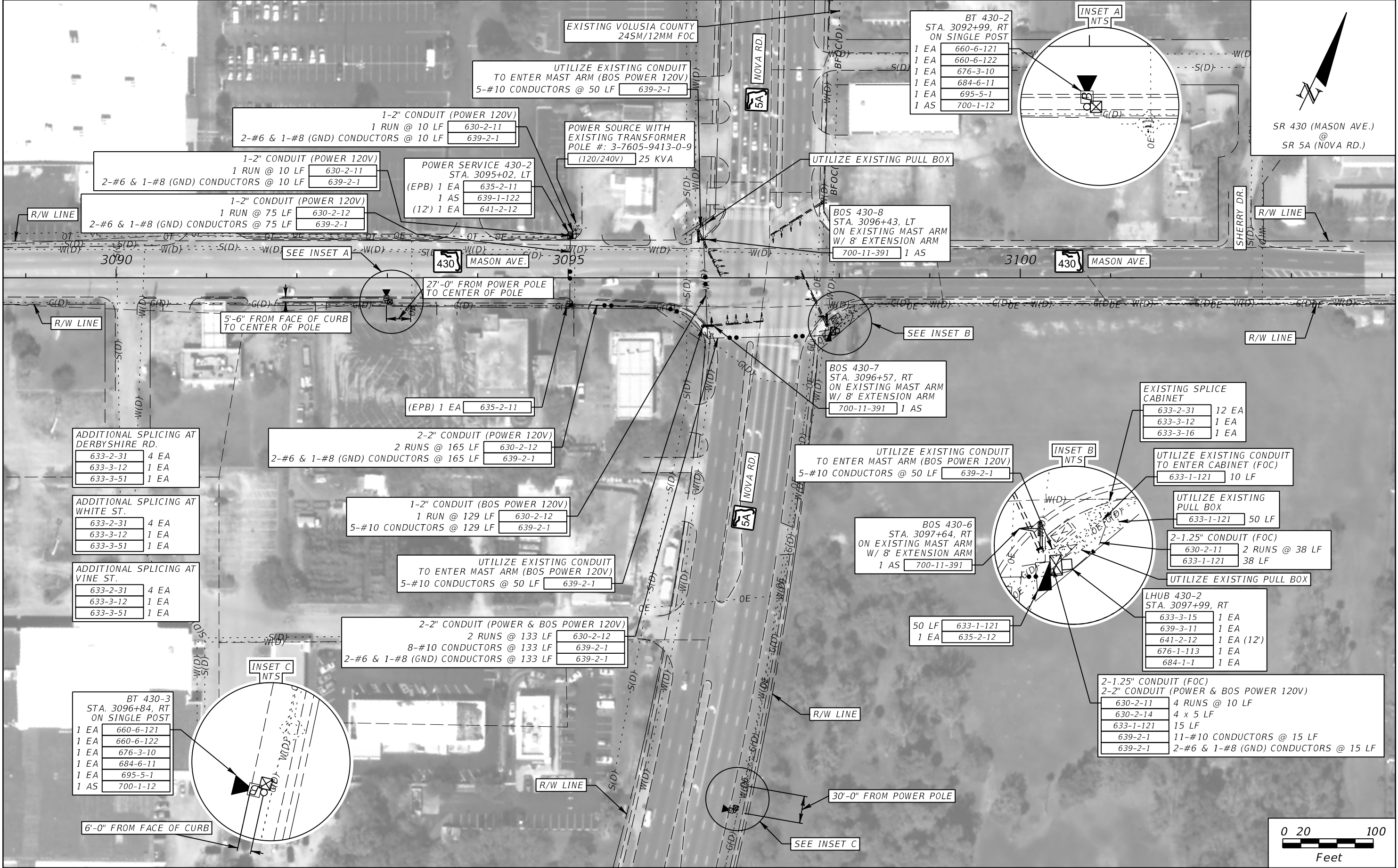
(EPB) 1 EA 635-2-11

BOS 430-1  
STA. 3038+34, LT  
ON SINGLE POST  
700-1-12 1 AS  
700-11-391 1 AS



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 430)	SHEET NO.  IT-45
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 483	VOLUSIA	436325-1-52-01		

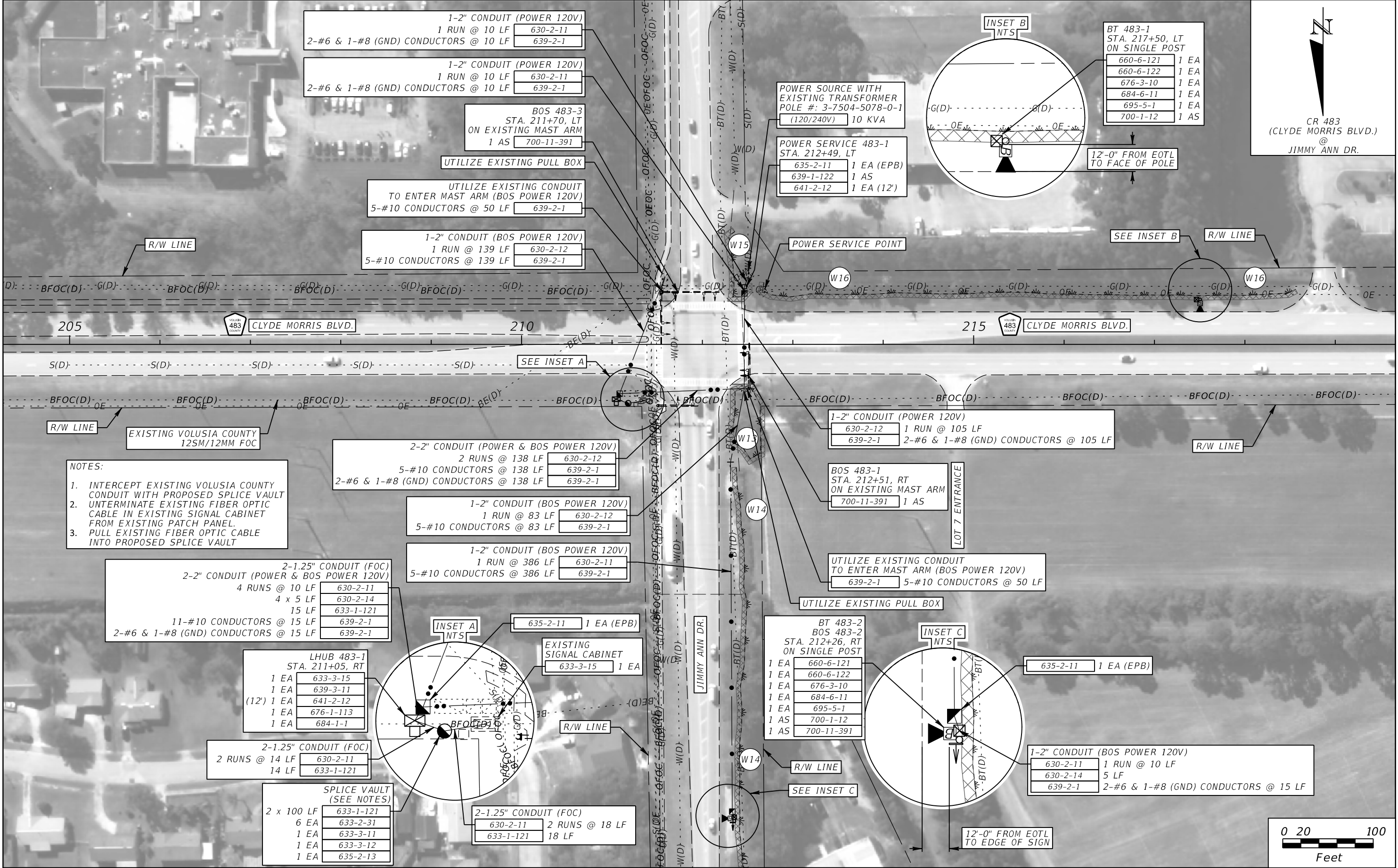
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REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 430)	SHEET NO.  IT-46
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 430	VOLUSIA	4363251-52-01		

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REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (CR 483)	SHEET NO.  IT-47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 483	VOLUSIA	4363251-52-01		

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





REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS  (CR 4019)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-48
					CR 4019	VOLUSIA	436325-1-52-01		

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



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (CR 4019)	SHEET NO.  IT-49
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 4019	VOLUSIA	436325-1-52-01		

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





REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (CR 4019)	SHEET NO.  IT-50
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 4019	VOLUSIA	4363251-52-01		

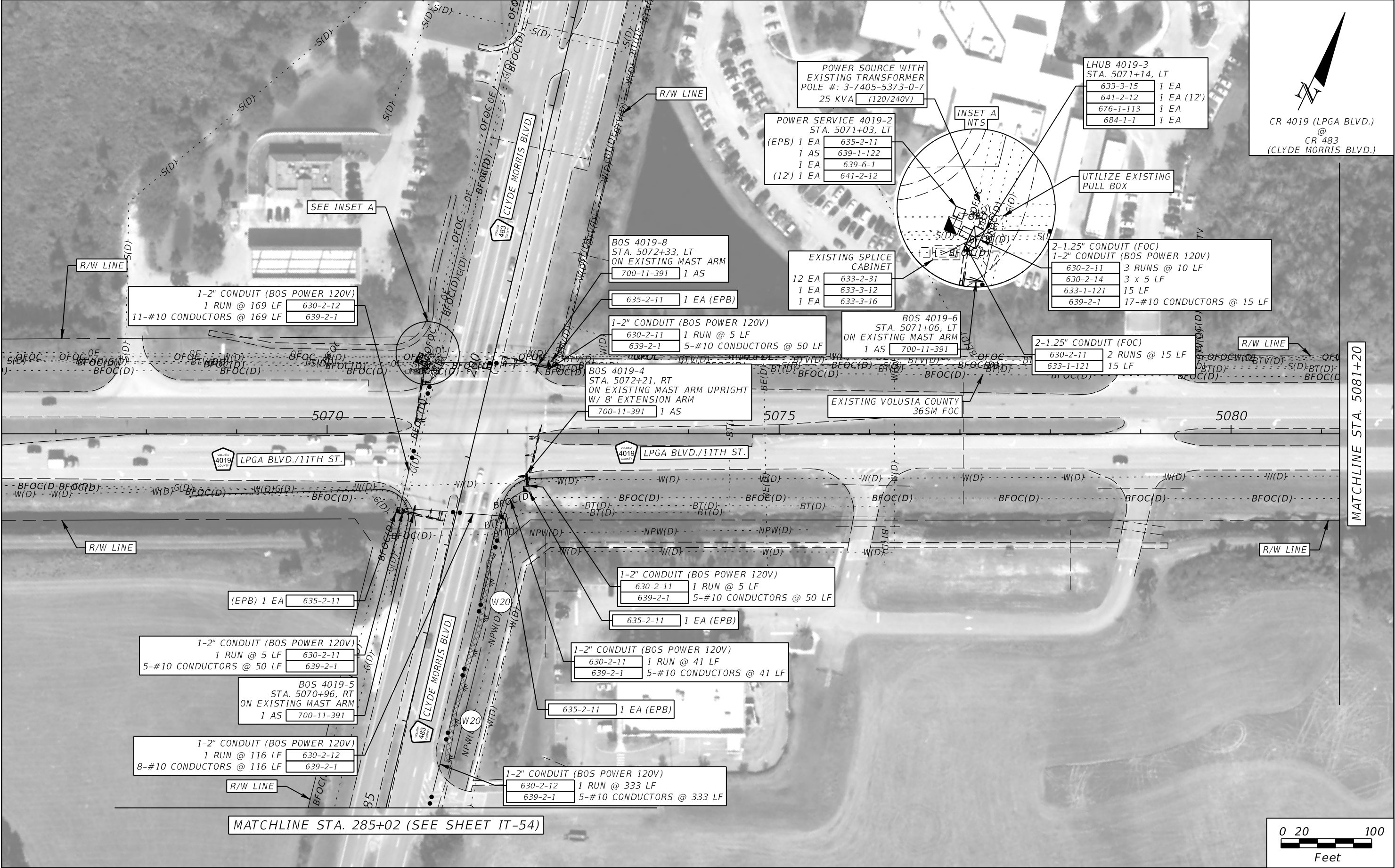
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (CR 4019)		SHEET NO.  IT-51
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					CR 4009	VOLUSIA	436325-1-52-01			

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



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (CR 4019)	SHEET NO.  IT-52
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 4019	VOLUSIA	436325-1-52-01		

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



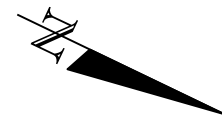


CR 4019 (LPGA BLVD.)  
EAST OF  
CR 483  
(CLYDE MORRIS BLVD.)

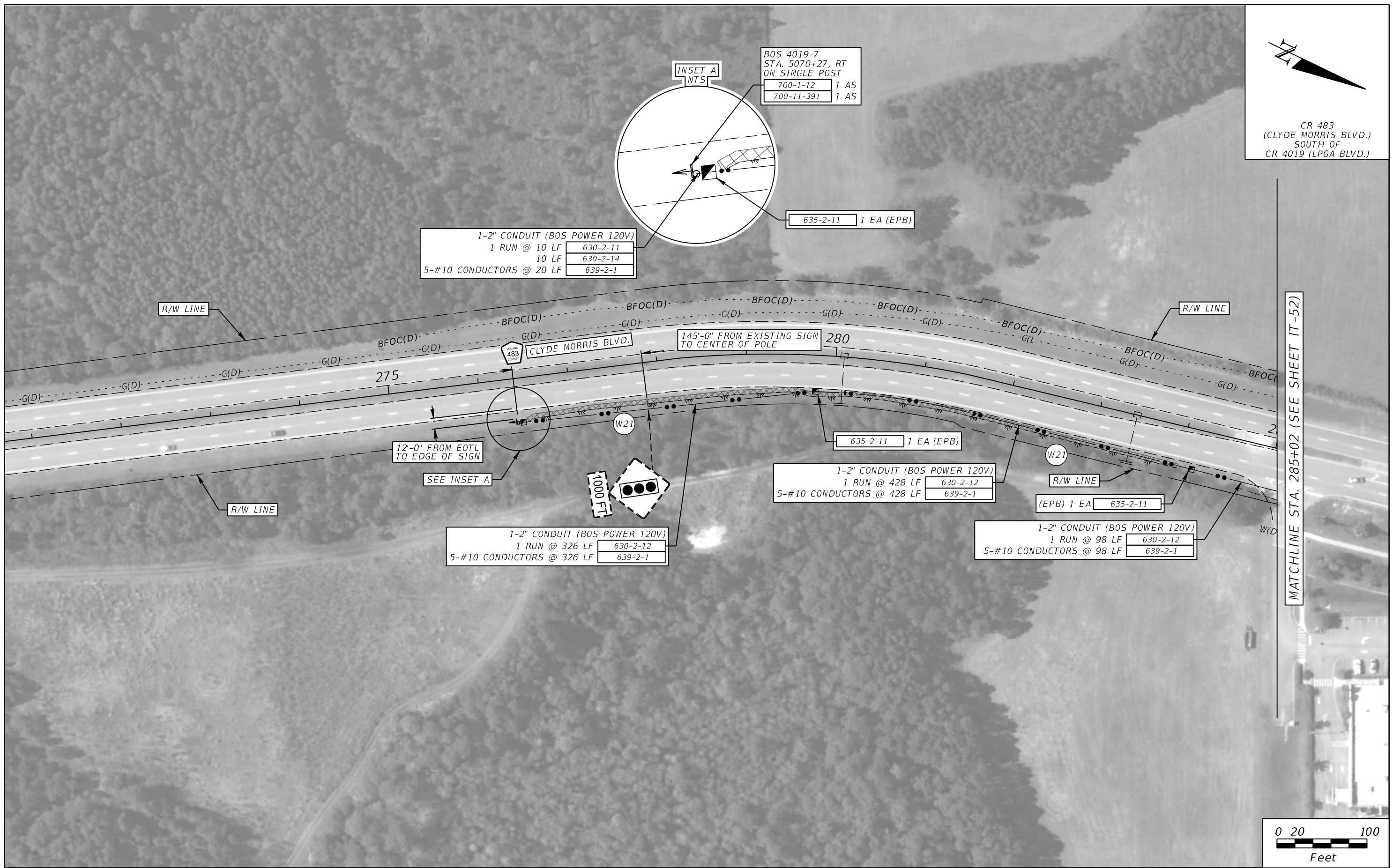
BT 4019-3	
STA. 5087+88, RT	
ON SINGLE POST	
660-6-121	1 EA
660-6-122	1 EA
676-3-10	1 EA
684-6-11	1 EA
695-5-1	1 EA
700-1-12	1 AS

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (CR 4019)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 4019	VOLUSIA	436325-1-52-01		IT-53

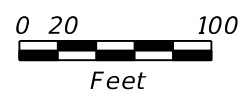
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CR 483  
(CLYDE MORRIS BLVD.)  
SOUTH OF  
CR 4019 (LPGA BLVD.)



MATCHLINE STA. 285+02 (SEE SHEET IT-52)



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (CR 4019)		SHEET NO.  IT-54
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					CR 483	VOLUSIA	436325-1-52-01			

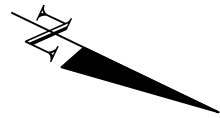
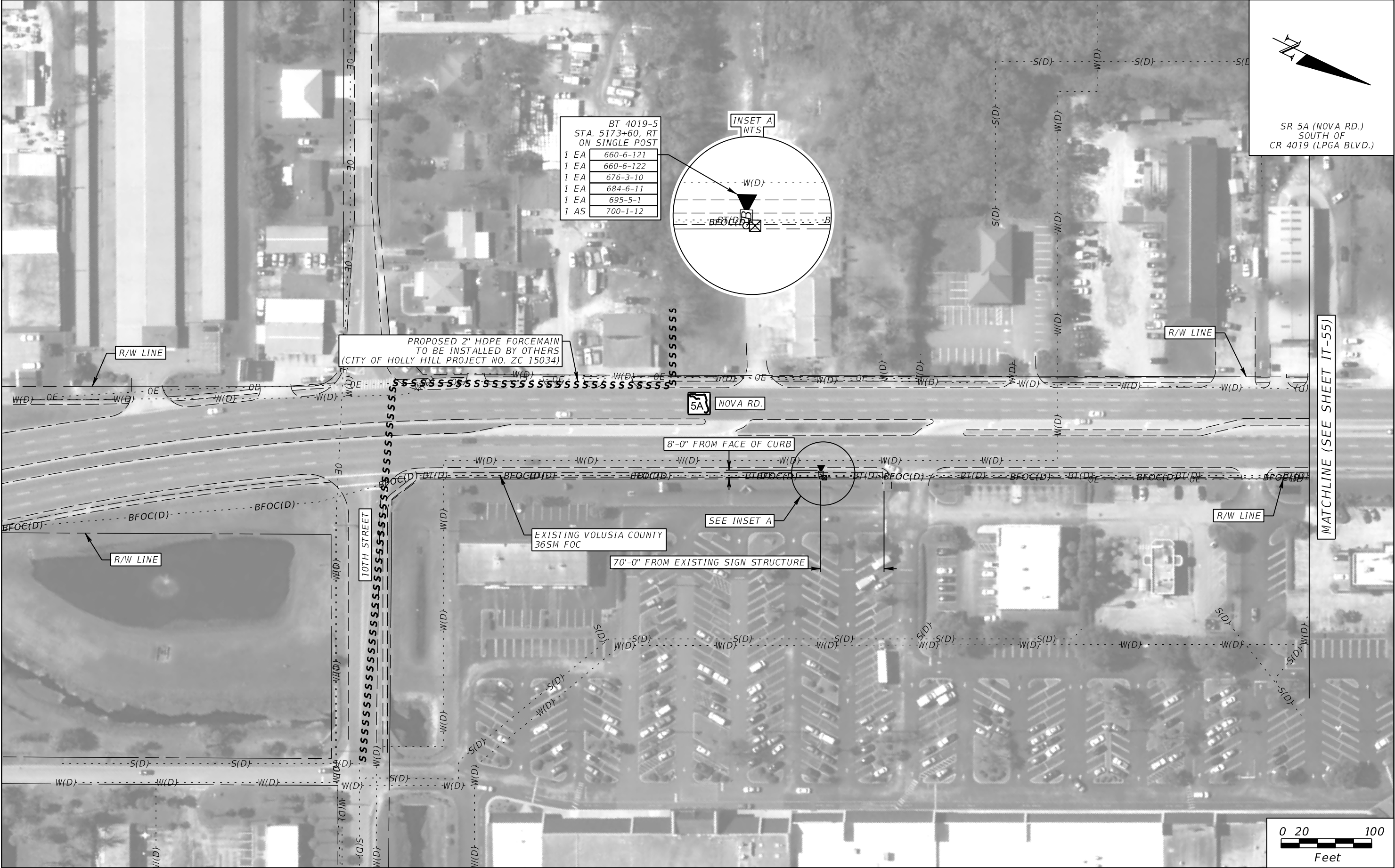
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





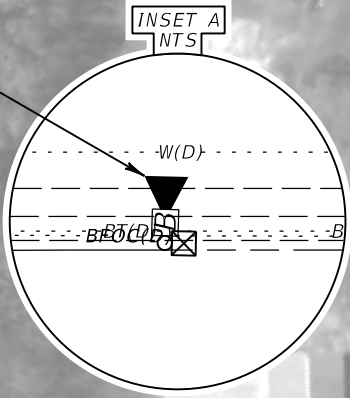
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (CR 4019)		SHEET NO.  IT-55
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					CR 4019	VOLUSIA	436325-1-52-01			

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



SR 5A (NOVA RD.)  
SOUTH OF  
CR 4019 (LPGA BLVD.)

BT 4019-5	
STA. 5173+60, RT	
ON SINGLE POST	
1 EA	660-6-121
1 EA	660-6-122
1 EA	676-3-10
1 EA	684-6-11
1 EA	695-5-1
1 AS	700-1-12



PROPOSED 2" HDPE FORCEMAIN  
TO BE INSTALLED BY OTHERS  
(CITY OF HOLLY HILL PROJECT NO. ZC 15034)



NOVA RD.

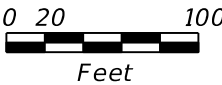
8'-0" FROM FACE OF CURB

SEE INSET A

EXISTING VOLUSIA COUNTY  
36SM FOC

70'-0" FROM EXISTING SIGN STRUCTURE

MATCHLINE (SEE SHEET IT-55)



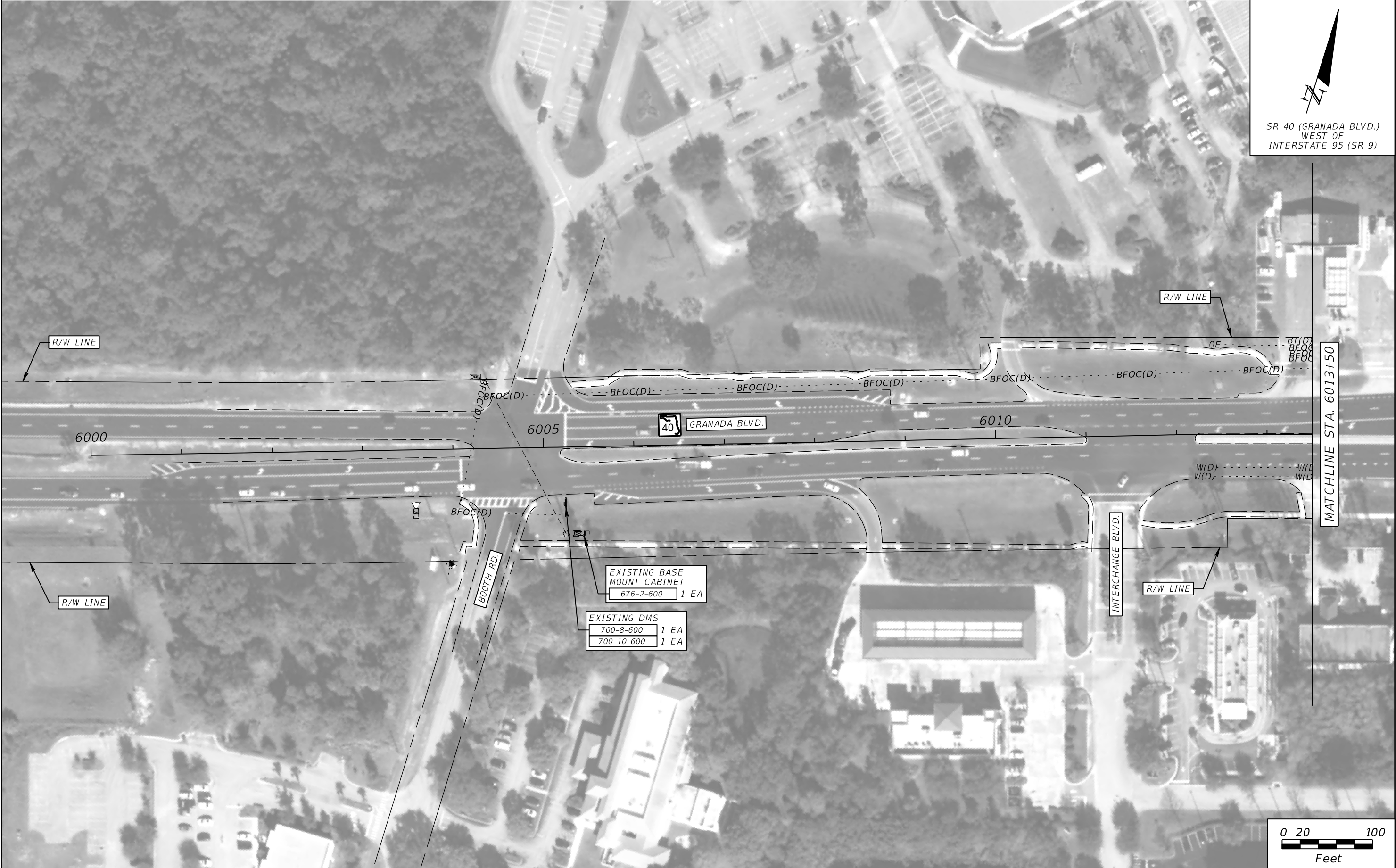
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5A	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS (CR 4019)	
SHEET NO. IT-56	





SR 40 (GRANADA BLVD.)  
WEST OF  
INTERSTATE 95 (SR 9)

MATCHLINE STA. 6013+50

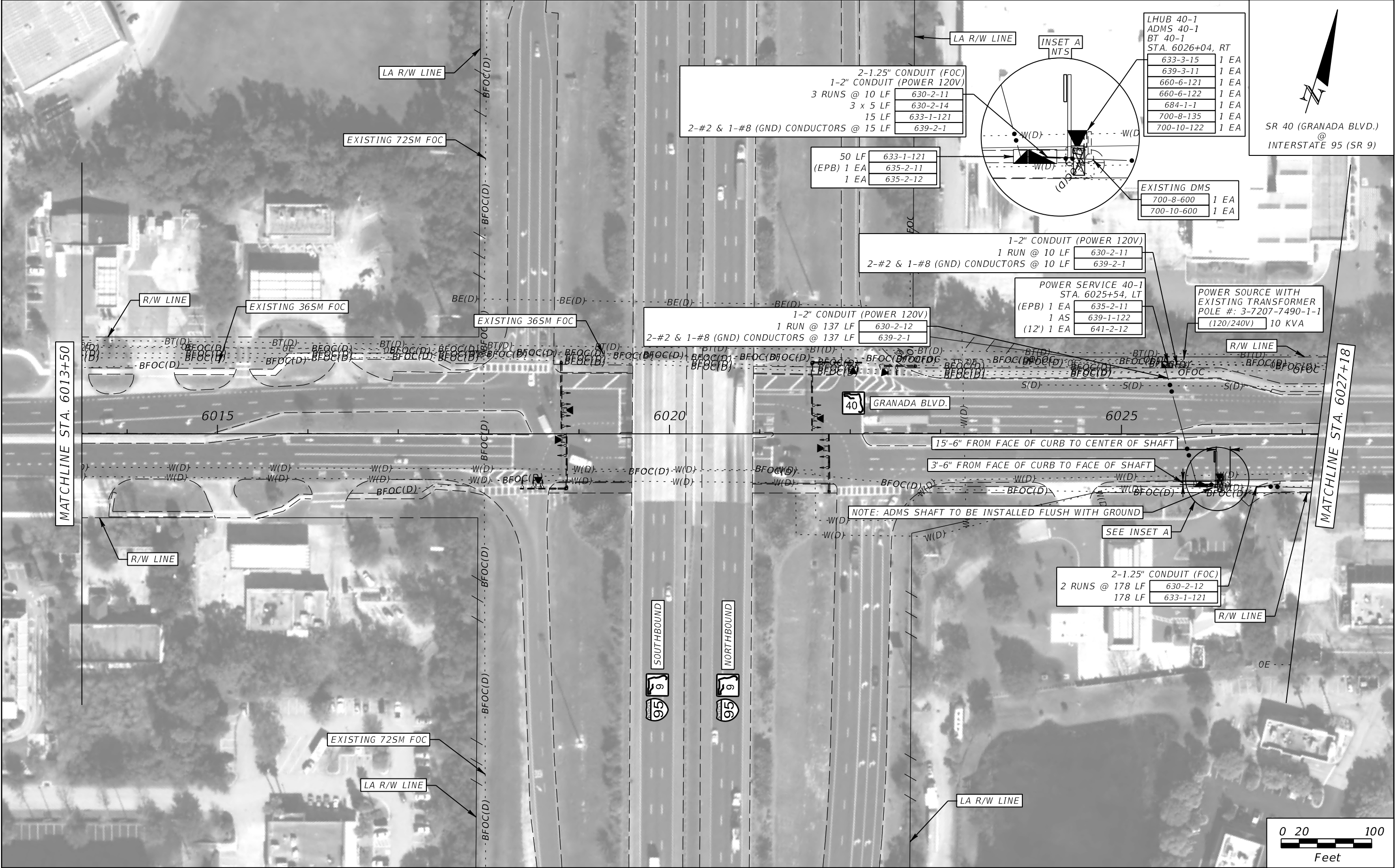
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 40	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS  
(SR 40)

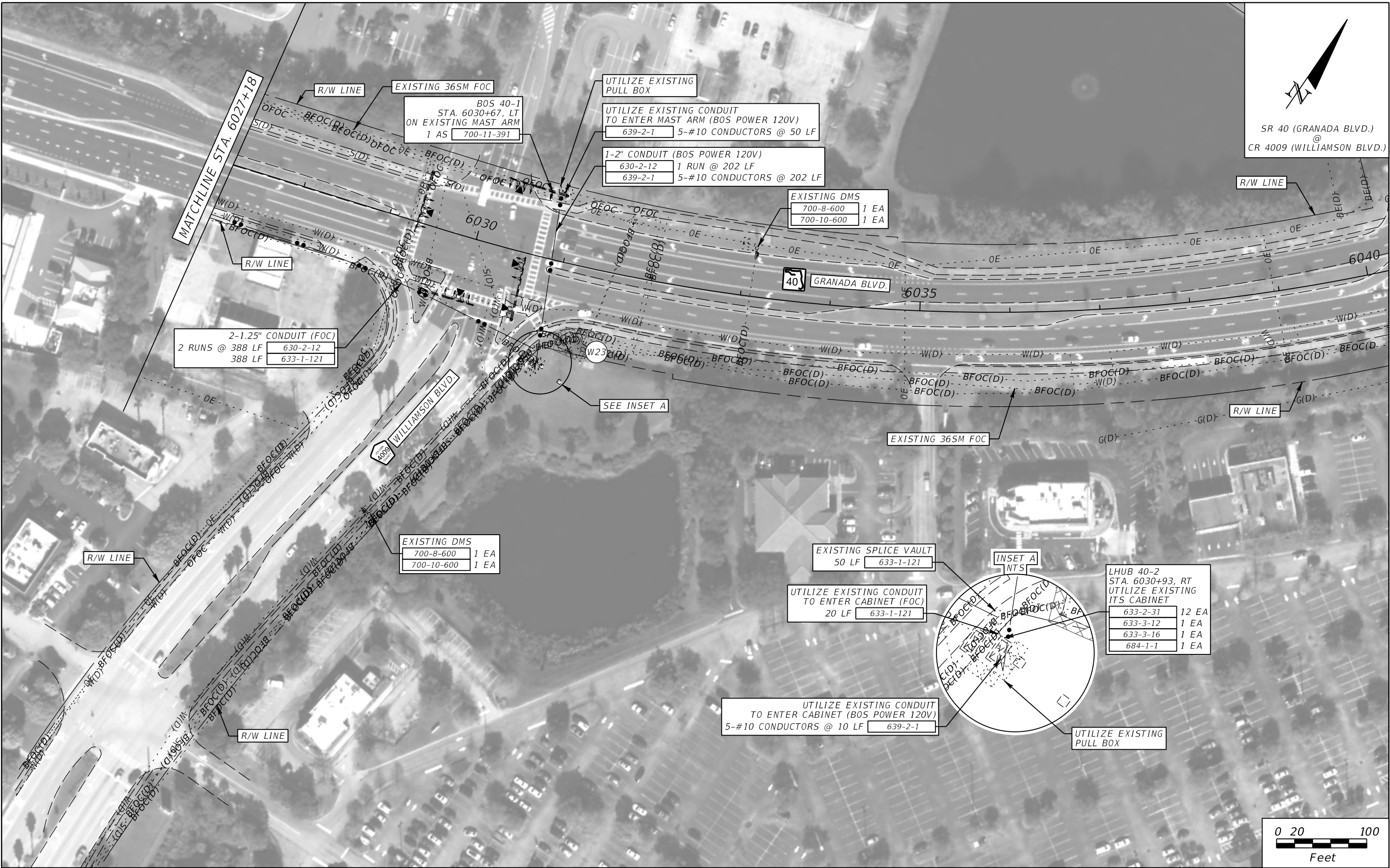
SHEET NO.
IT-56A




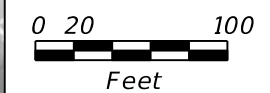
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 40)	SHEET NO.  IT-57
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 40	VOLUSIA	436325-1-52-01		

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





  
SR 40 (GRANADA BLVD.)  
@  
CR 4009 (WILLIAMSON BLVD.)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

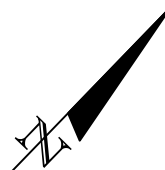
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 40	VOLUSIA	436325-1-52-01

**ITS PLAN SHEETS**  
**(SR 40)**

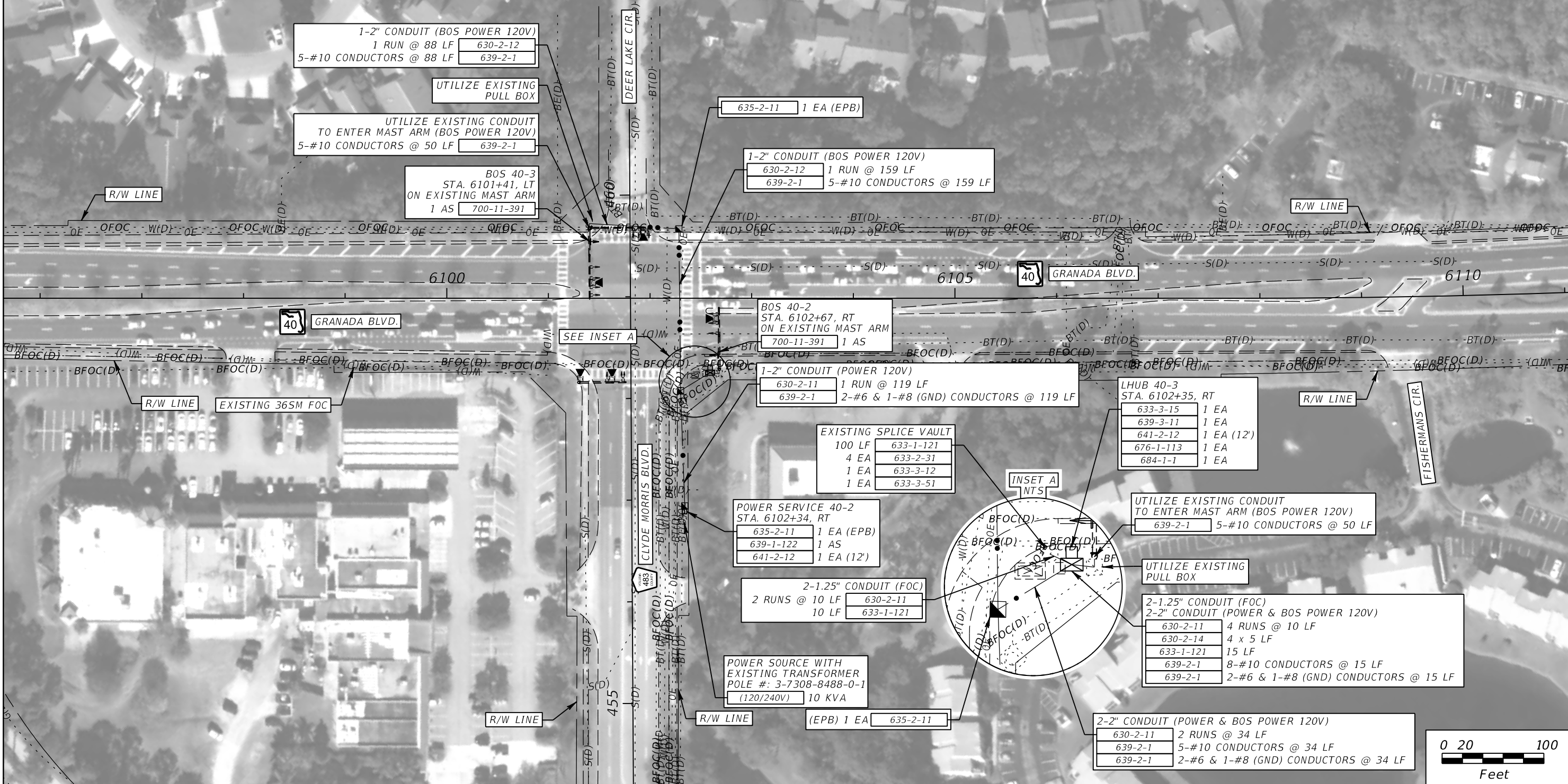
SHEET NO.
IT-58

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





SR 40 (GRANADA BLVD.)  
@  
CR 483  
(CLYDE MORRIS BLVD.)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 40	VOLUSIA	436325-1-52-01

**ITS PLAN SHEETS**  
**(SR 40)**

SHEET NO.
IT-59

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

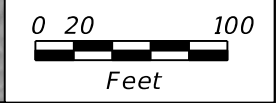
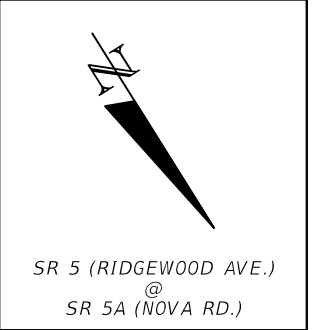
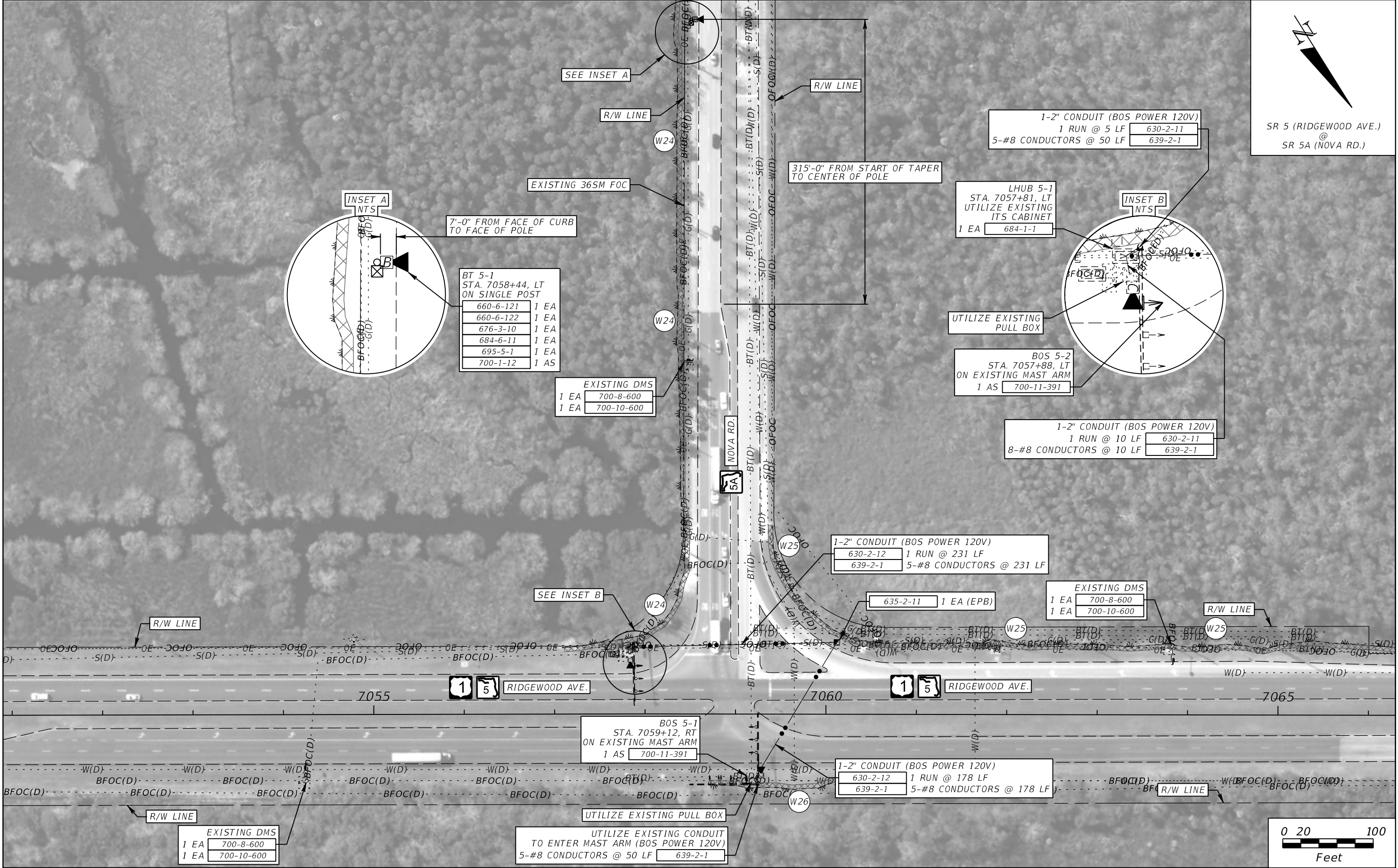




REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 40)	SHEET NO.  IT-60
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 40	VOLUSIA	4363251-52-01		

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

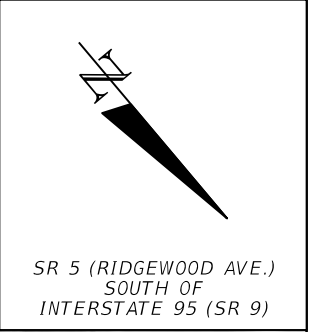
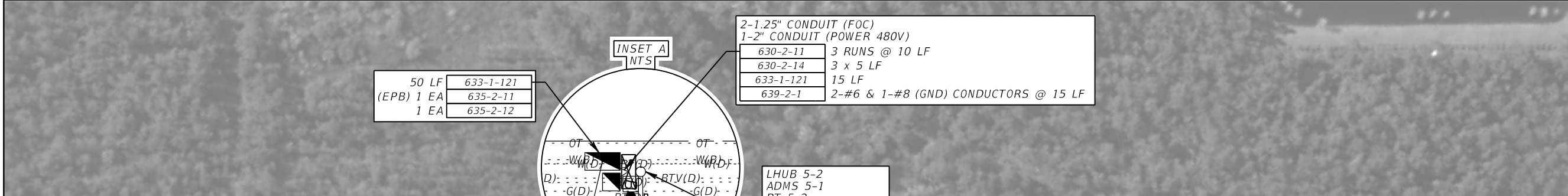




REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 5)	SHEET NO.  IT-61
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 5	VOLUSIA	436325-1-52-01		

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

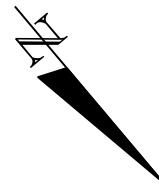




REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 5)	SHEET NO.  IT-62
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 5	VOLUSIA	436325-1-52-01		

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





SR 5 (RIDGEWOOD AVE.)  
SOUTH OF  
INTERSTATE 95 (SR 9)

MATCHLINE STA. 7223+10

MATCHLINE STA. 7235+30

PORTLAND ST.

R/W LINE

R/W LINE



RIDGEWOOD AVE.

7225

7230

7235

W29

W30

W31

W32

R/W LINE

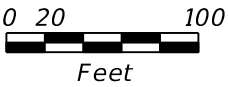
2-1.25" CONDUIT (FOC)  
630-2-12 2 RUNS @ 277 LF  
633-1-121 277 LF

633-1-121 50 LF  
635-2-12 1 EA

2-1.25" CONDUIT (FOC)  
630-2-12 2 RUNS @ 795 LF  
633-1-121 795 LF

50 LF 633-1-121  
1 EA 635-2-12

2-1.25" CONDUIT (FOC)  
2 RUNS @ 148 LF 630-2-12  
148 LF 633-1-121



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

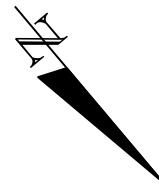
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS (SR 5)	

SHEET NO.
IT-63

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

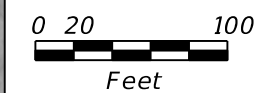




SR 5 (RIDGEWOOD AVE.)  
SOUTH OF  
INTERSTATE 95 (SR 9)

MATCHLINE STA. 7235+30

MATCHLINE STA. 7247+50



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	436325-1-52-01

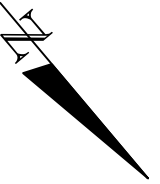
ITS PLAN SHEETS  
(SR 5)

SHEET NO.
IT-64

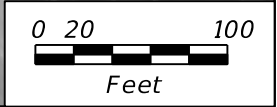
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.







SR 5 (RIDGEWOOD AVE.)  
@  
INTERSTATE 95 (SR 9)



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEETS (SR 5)	SHEET NO.  IT-65
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 5	VOLUSIA	436325-1-52-01		

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





SR 5 (RIDGEWOOD AVE.)  
NORTH OF  
INTERSTATE 95 (SR 9)

EXISTING DMS  
1 EA 700-8-600  
1 EA 700-10-600

MATCHLINE STA. 7260+70



RIDGEWOOD AVE.

7265

7270

7275

DESTINATION DAYTONA LN.

LA R/W LINE

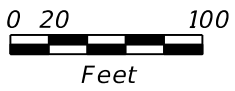
R/W LINE



SOUTHBOUND



NORTHBOUND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

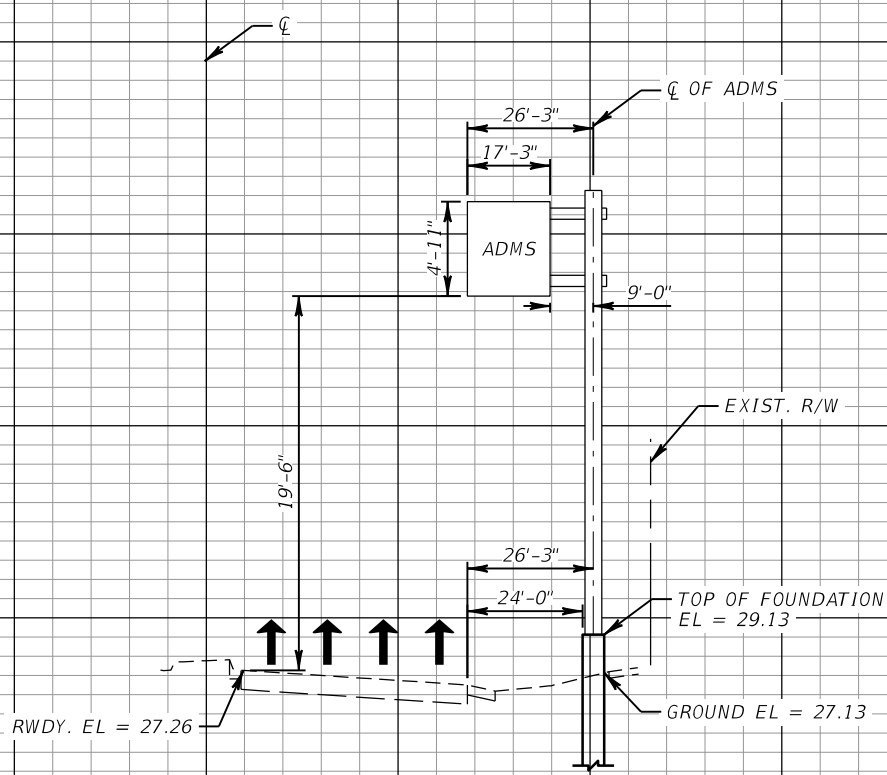
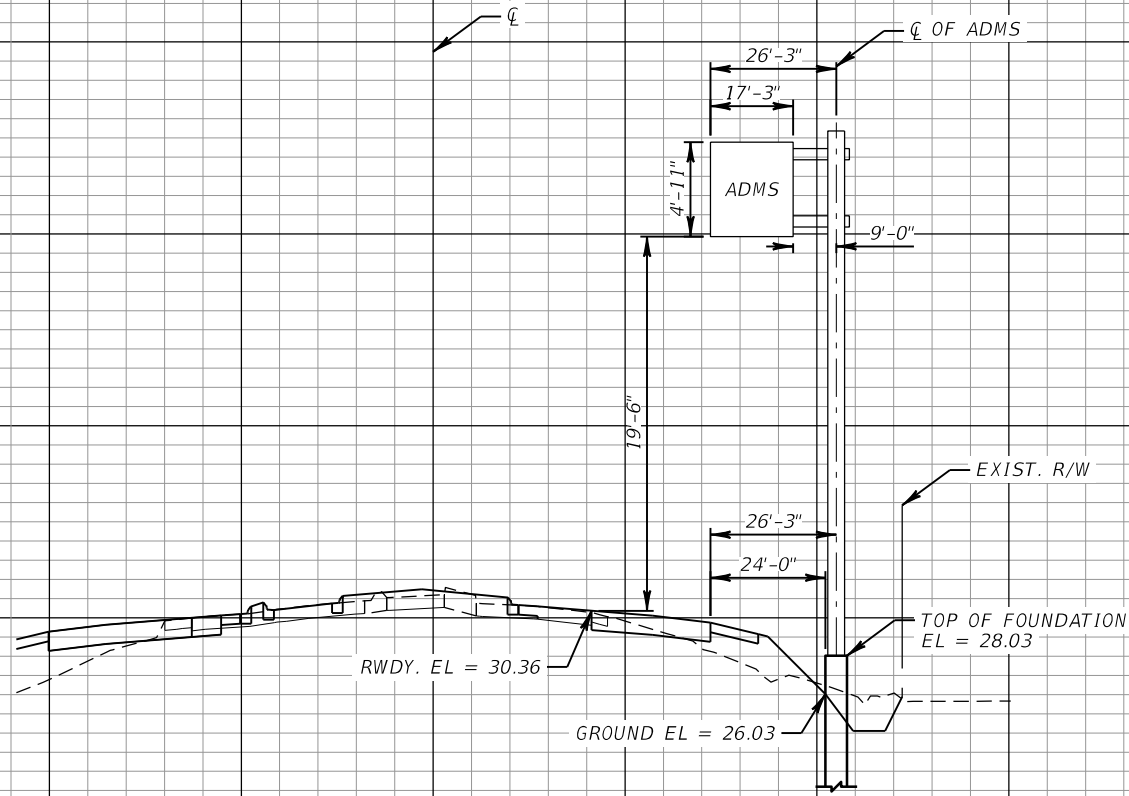
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	436325-1-52-01

ITS PLAN SHEETS (SR 5)		SHEET NO.
		IT-65A

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

ADMS 400-1  
STA. 1030+50, RT  
LOOKING EAST

ADMS 600-1  
STA. 2045+22, RT  
LOOKING EAST



SCALE  
1"=10' VERTICAL  
1"=40' HORIZONTAL

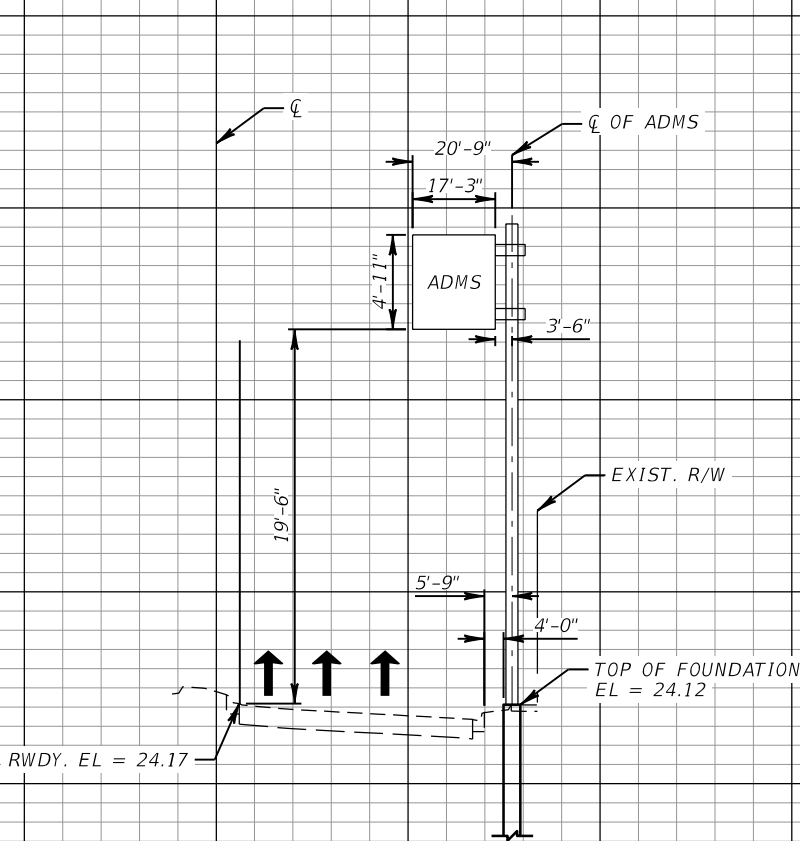
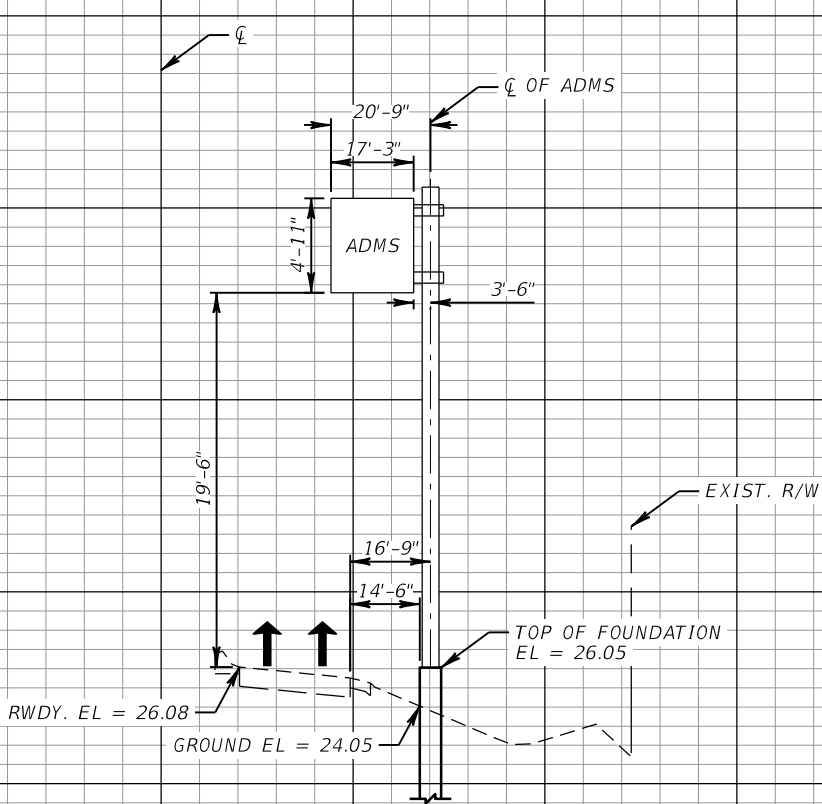
SCALE  
1"=10' VERTICAL  
1"=40' HORIZONTAL

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ADMS CROSS SECTIONS	SHEET NO.  1T-66
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		



ADMS 4019-1  
STA. 5037+54, RT  
LOOKING EAST

ADMS 40-1  
STA. 6026+04, RT  
LOOKING EAST



SCALE  
1"=10' VERTICAL  
1"=40' HORIZONTAL

SCALE  
1"=10' VERTICAL  
1"=40' HORIZONTAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

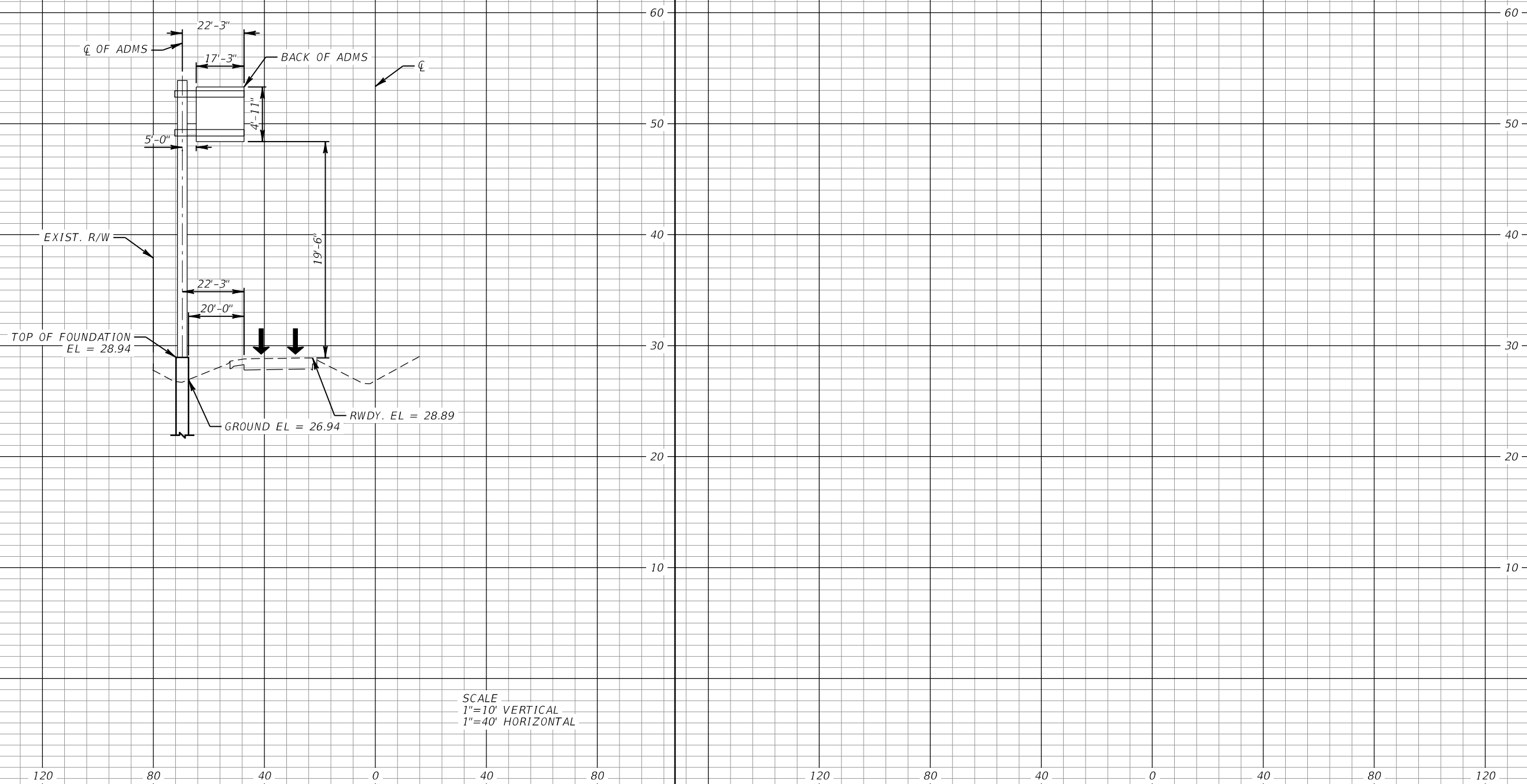
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	VOLUSIA	436325-1-52-01

ADMS CROSS SECTIONS	
IT-67	

SHEET NO.
IT-67

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

ADMS 5-1  
STA. 7212+24, LT  
LOOKING WEST

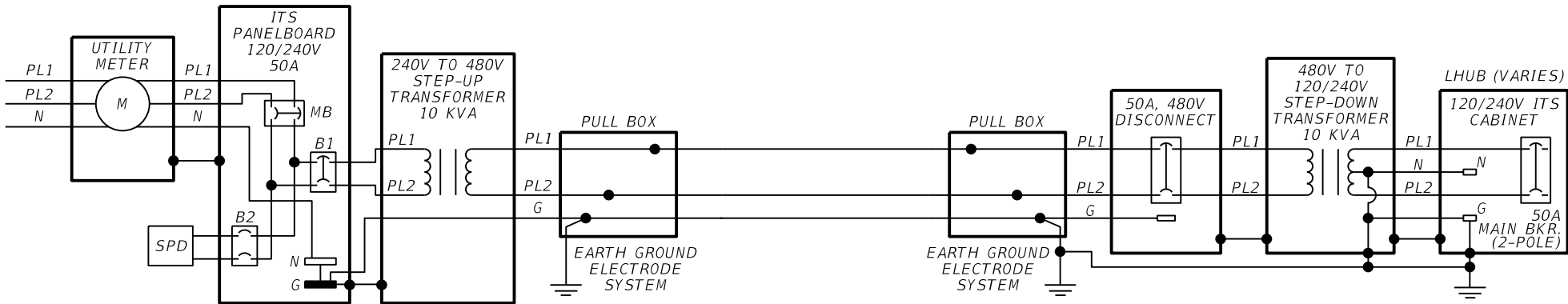


SCALE  
1"=10' VERTICAL  
1"=40' HORIZONTAL

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ADMS CROSS SECTIONS	SHEET NO.  1T-68
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		



POWER SERVICE  
PS 400-1, PS 5-1

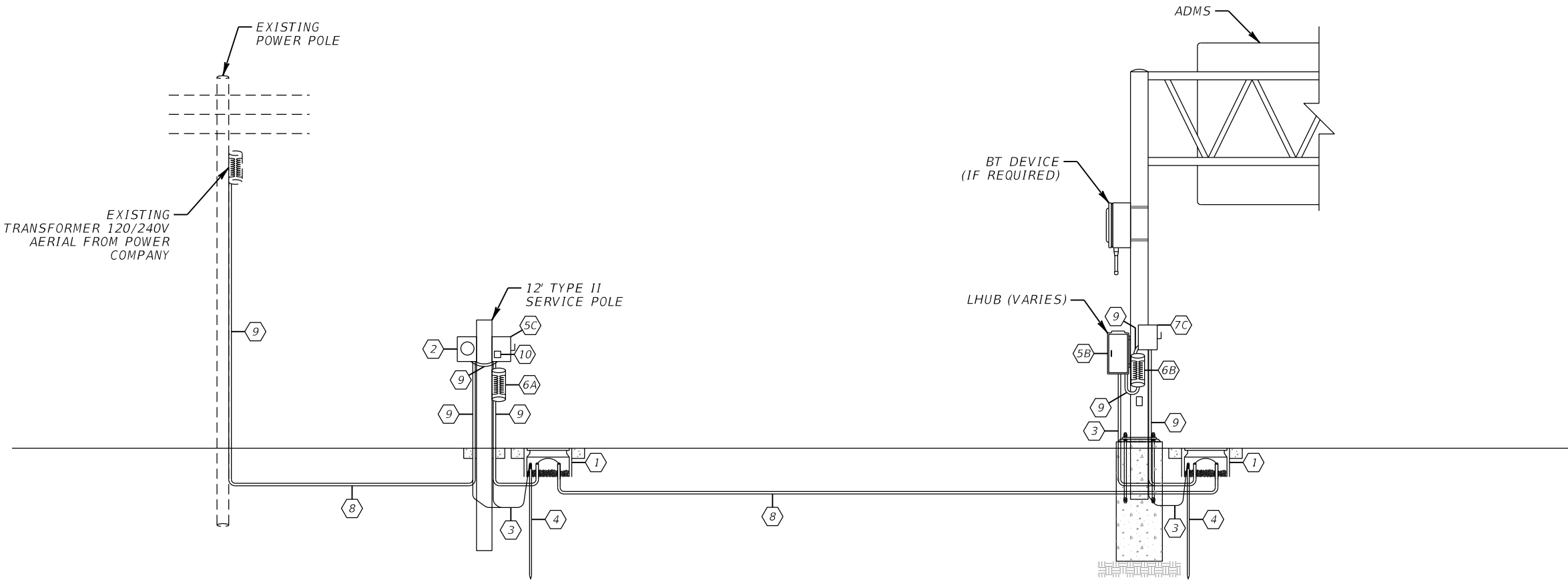


120/240V, 1Ø, 3 WIRE, 22,000 AIC.					80A, 2-POLE MAIN CKT. BKR.
PANEL BOARD SCHEDULE					SERVICE POLE MOUNTED
CKT. NO.	KVA	BKR	WIRE SIZE	CONDUIT	LOAD
1/3	-	60/2	-	-	LHUB VARIES
2/4	-	15/2	-	-	SURGE PROTECTION DEVICE (SPD)

ONE LINE DIAGRAM

LEGEND

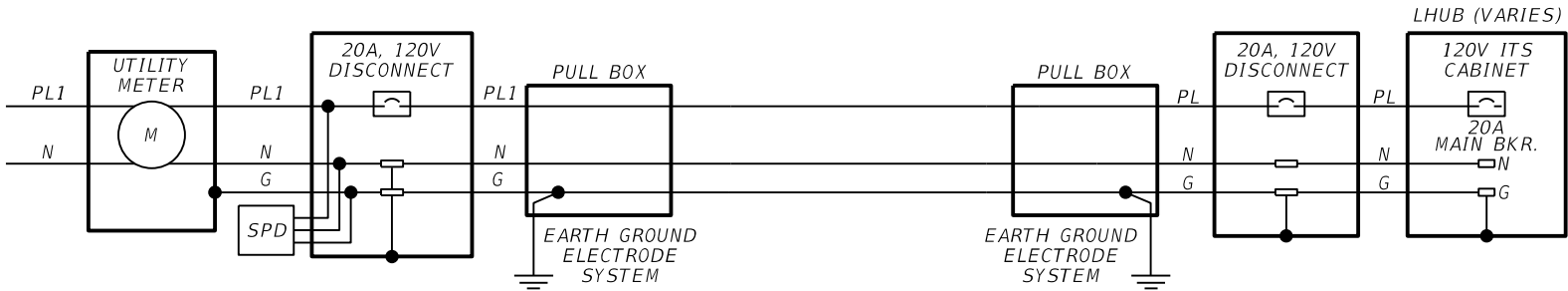
- 1 PULL BOX
- 2 METER SOCKET BY CONTRACTOR
- 3 GROUND CONDUCTOR
- 4 EARTH GROUND ELECTRODE SYSTEM
- 5A TYPE 3 CABINET W/CIRCUIT BREAKER
- 5B TYPE 336S CABINET W/CIRCUIT BREAKER
- 5C PANELBOARD WITH MAIN BREAKER
- 6A STEP-UP TRANSFORMER (SEE ONE LINE DIAGRAM)
- 6B STEP-DOWN TRANSFORMER (SEE ONE LINE DIAGRAM)
- 7A 120V DISCONNECT
- 7B 120/240V DISCONNECT
- 7C 480V DISCONNECT
- 8 UNDERGROUND CONDUIT
- 9 ABOVEGROUND CONDUIT
- 10 SURGE PROTECTION DEVICE



SERVICE DETAIL

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POWER SERVICE DETAILS	SHEET NO.  IT-69
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		

POWER SERVICE  
PS 400-2, PS MW-1, PS MW-2, PS 600-2, PS 600-3, PS 600-4,  
PS 600-5, PS 430-1, PS 430-2, PS 483-1, PS 4019-2, PS 4019-3, PS 40-2

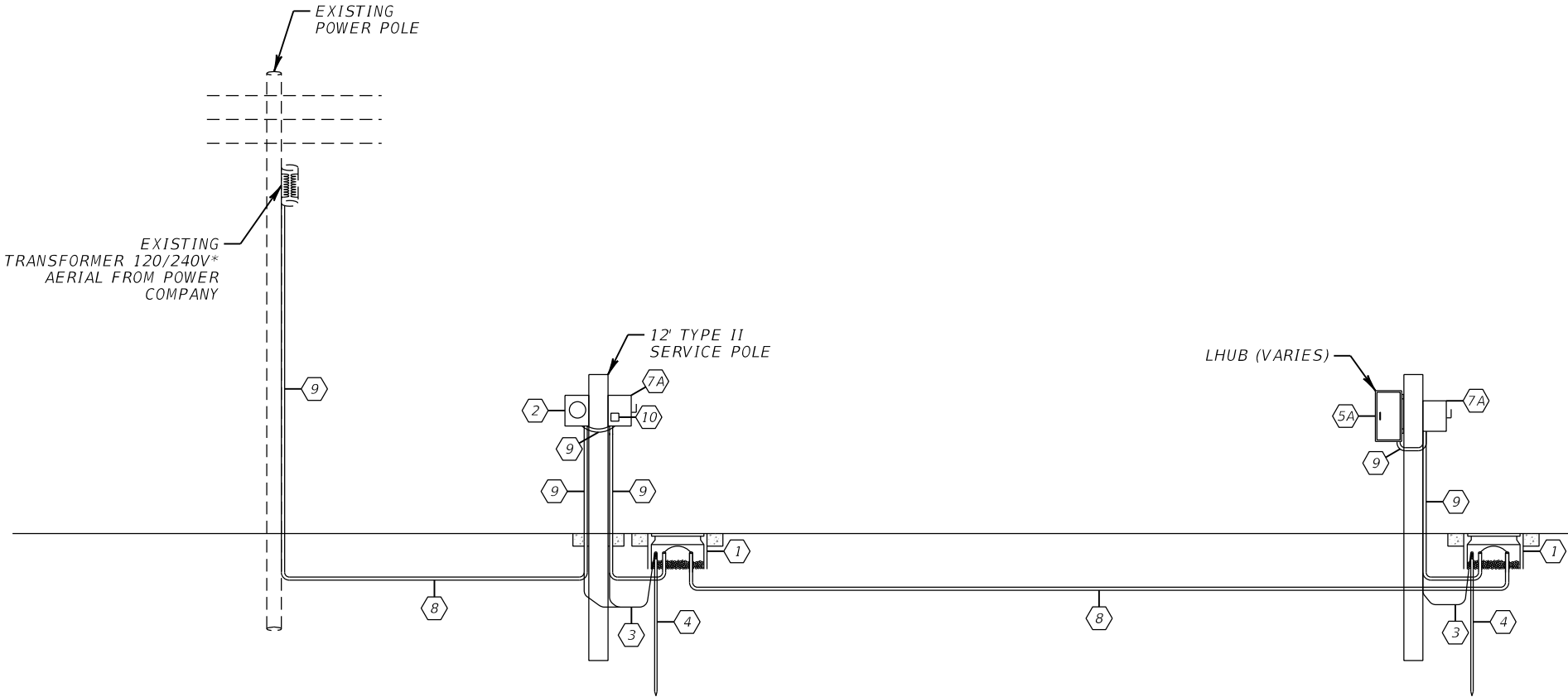


ONE LINE DIAGRAM

LEGEND

- 1 PULL BOX
- 2 METER SOCKET BY CONTRACTOR
- 3 GROUND CONDUCTOR
- 4 EARTH GROUND ELECTRODE SYSTEM
- 5A TYPE 3 CABINET W/CIRCUIT BREAKER
- 5B TYPE 336S CABINET W/CIRCUIT BREAKER
- 5C PANELBOARD WITH MAIN BREAKER
- 6A STEP-UP TRANSFORMER (SEE ONE LINE DIAGRAM)
- 6B STEP-DOWN TRANSFORMER (SEE ONE LINE DIAGRAM)
- 7A 120V DISCONNECT
- 7B 120/240V DISCONNECT
- 7C 480V DISCONNECT
- 8 UNDERGROUND CONDUIT
- 9 ABOVEGROUND CONDUIT
- 10 SURGE PROTECTION DEVICE

\* FOR PS 600-5, PS 430-1, & PS 4019-3  
EXISTING TRANSFORMER IS 120/208V

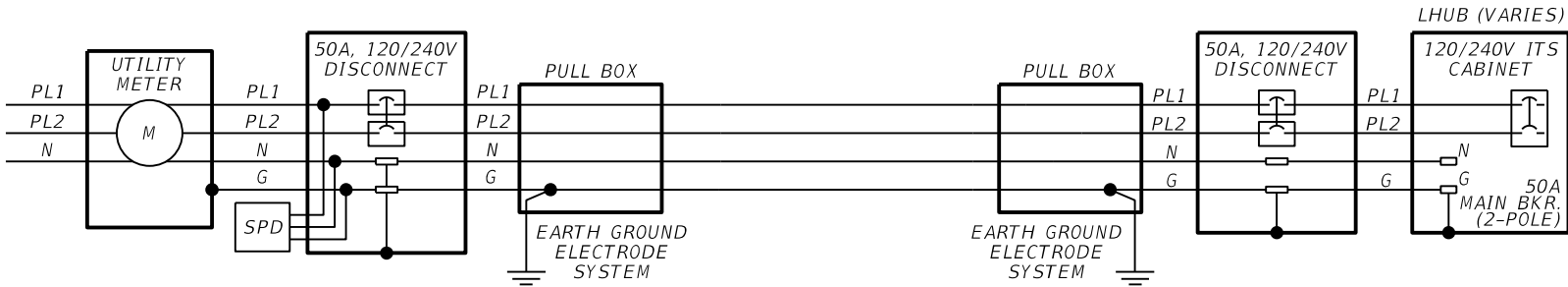


SERVICE DETAIL

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POWER SERVICE DETAILS	SHEET NO.  IT-70
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		



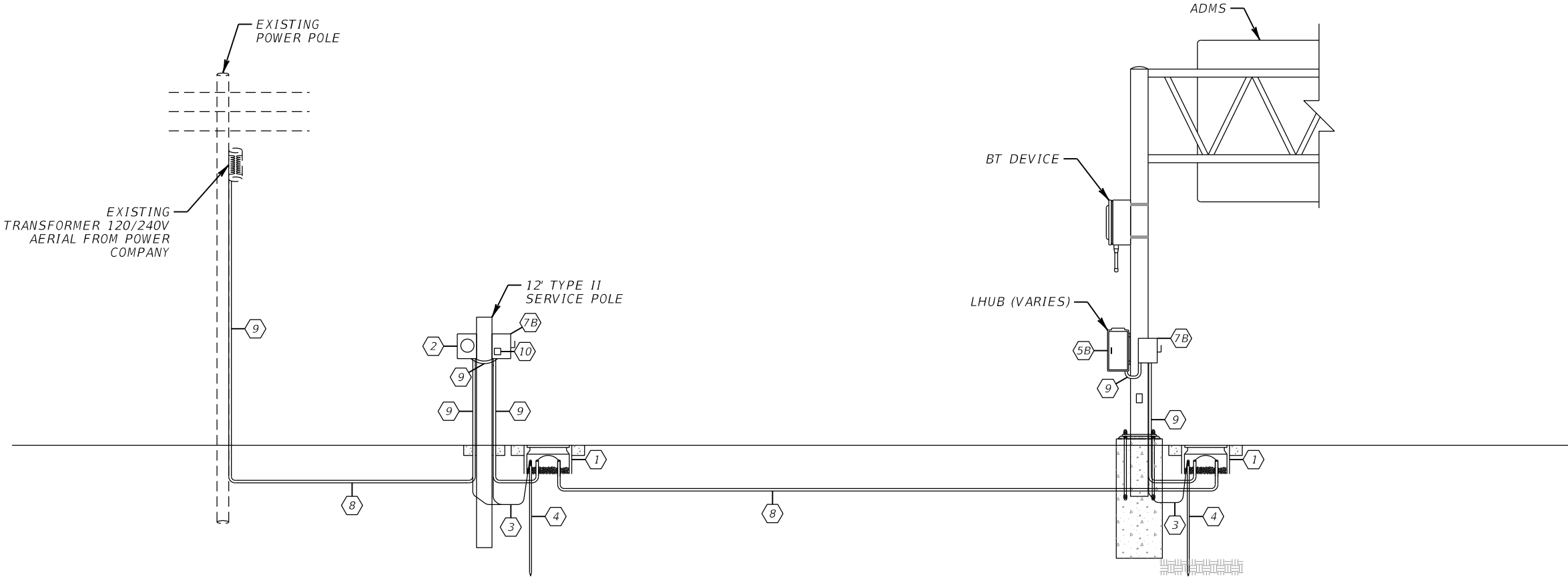
POWER SERVICE  
PS 600-1, PS 40-1



ONE LINE DIAGRAM

LEGEND

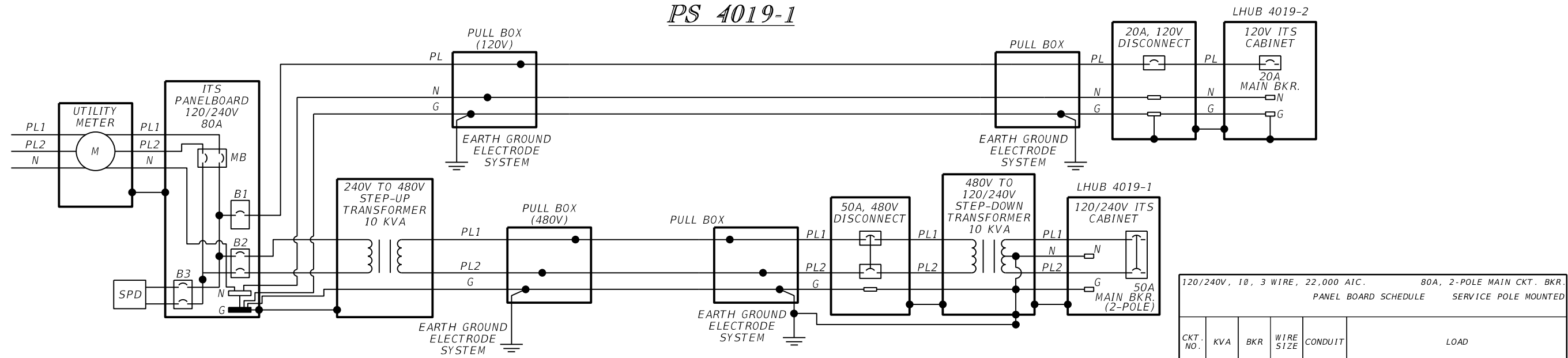
- 1 PULL BOX
- 2 METER SOCKET BY CONTRACTOR
- 3 GROUND CONDUCTOR
- 4 EARTH GROUND ELECTRODE SYSTEM
- 5A TYPE 3 CABINET W/CIRCUIT BREAKER
- 5B TYPE 336S CABINET W/CIRCUIT BREAKER
- 5C PANELBOARD WITH MAIN BREAKER
- 6A STEP-UP TRANSFORMER (SEE ONE LINE DIAGRAM)
- 6B STEP-DOWN TRANSFORMER (SEE ONE LINE DIAGRAM)
- 7A 120V DISCONNECT
- 7B 120/240V DISCONNECT
- 7C 480V DISCONNECT
- 8 UNDERGROUND CONDUIT
- 9 ABOVEGROUND CONDUIT
- 10 SURGE PROTECTION DEVICE



SERVICE DETAIL

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POWER SERVICE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		IT-71

POWER SERVICE  
PS 4019-1

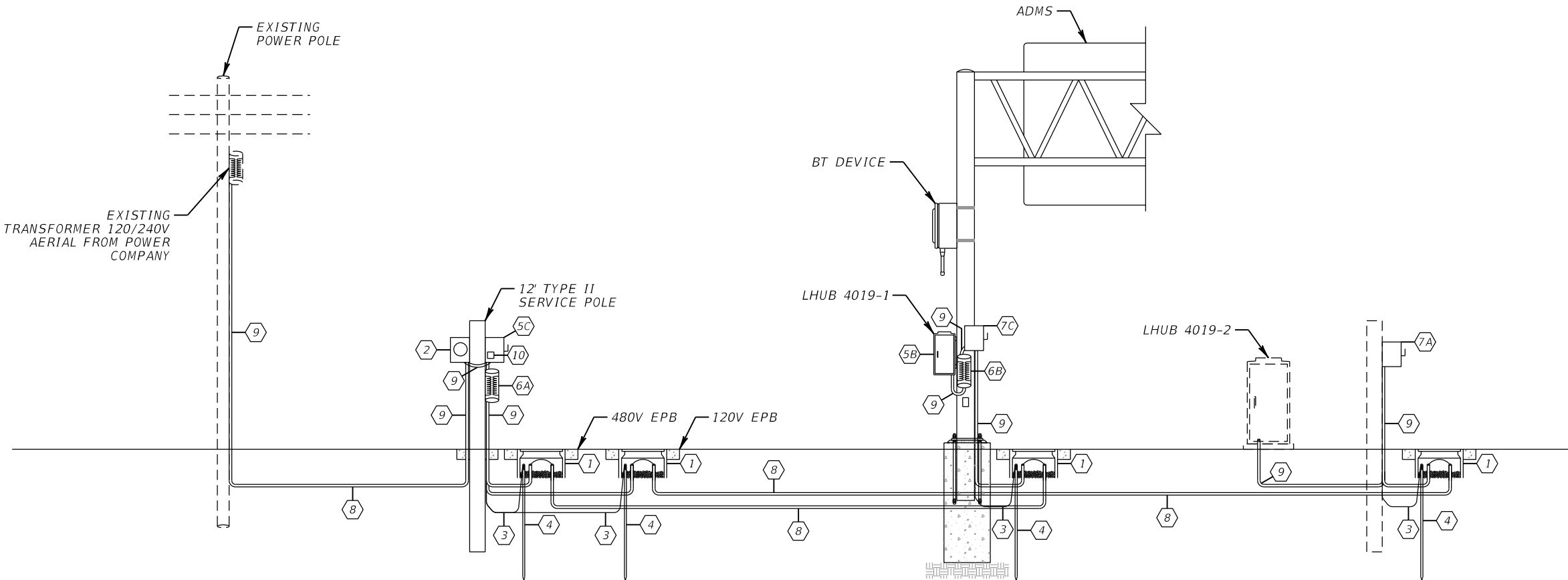


ONE LINE DIAGRAM

120/240V, 1Ø, 3 WIRE, 22,000 AIC.					80A, 2-POLE MAIN CKT. BKR.
PANEL BOARD SCHEDULE					SERVICE POLE MOUNTED
CKT. NO.	KVA	BKR	WIRE SIZE	CONDUIT	LOAD
1	-	30/1	-	-	LHUB VARIES
2/4	-	50/2	-	-	LHUB VARIES
5/7	-	15/2	-	-	SURGE PROTECTION DEVICE (SPD)

LEGEND

- 1 PULL BOX
- 2 METER SOCKET BY CONTRACTOR
- 3 GROUND CONDUCTOR
- 4 EARTH GROUND ELECTRODE SYSTEM
- 5A TYPE 3 CABINET W/CIRCUIT BREAKER
- 5B TYPE 336S CABINET W/CIRCUIT BREAKER
- 5C PANELBOARD WITH MAIN BREAKER
- 6A STEP-UP TRANSFORMER (SEE ONE LINE DIAGRAM)
- 6B STEP-DOWN TRANSFORMER (SEE ONE LINE DIAGRAM)
- 7A 120V DISCONNECT
- 7B 120/240V DISCONNECT
- 7C 480V DISCONNECT
- 8 UNDERGROUND CONDUIT
- 9 ABOVEGROUND CONDUIT
- 10 SURGE PROTECTION DEVICE



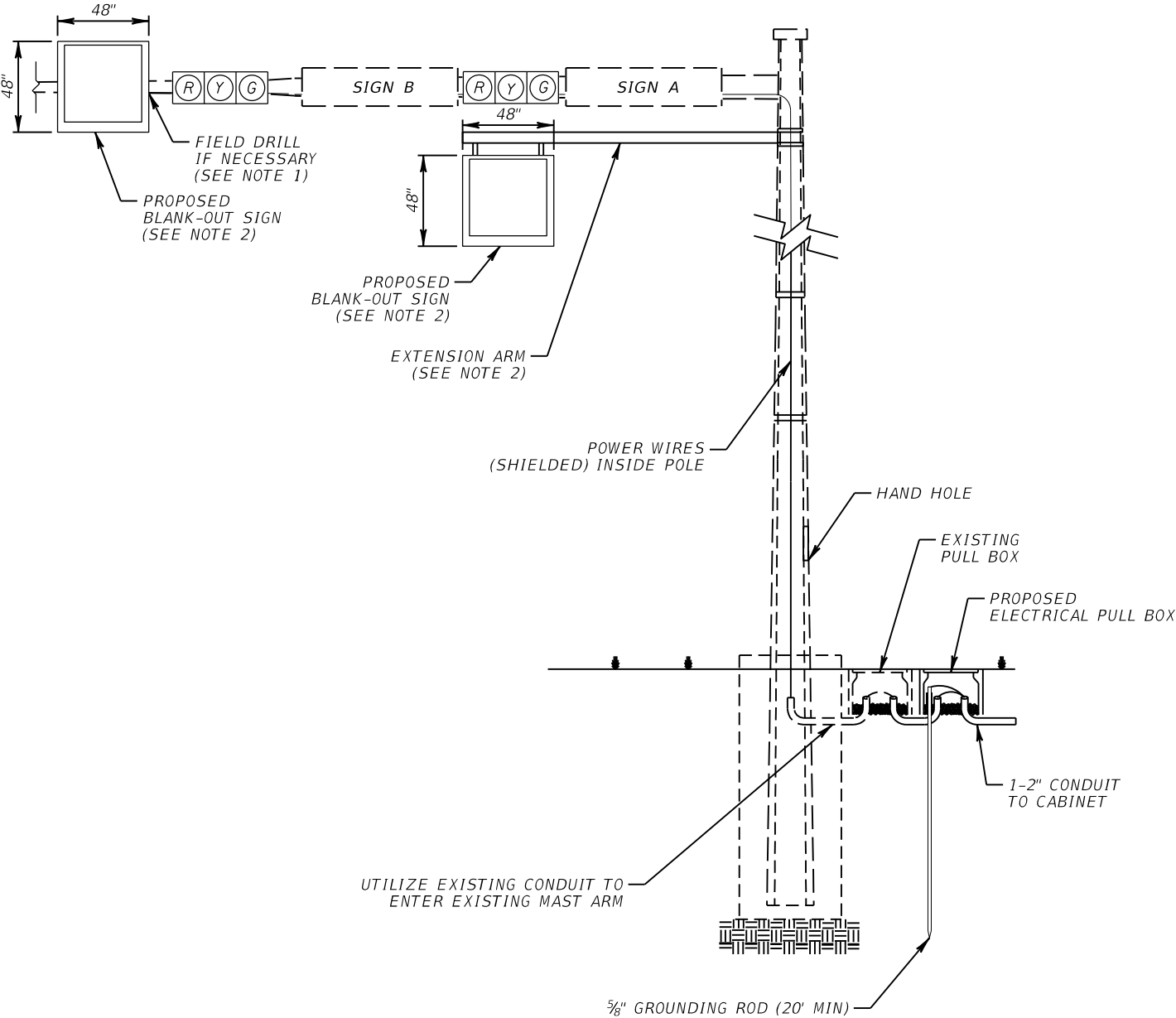
SERVICE DETAIL

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POWER SERVICE DETAILS	SHEET NO.  IT-72
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		

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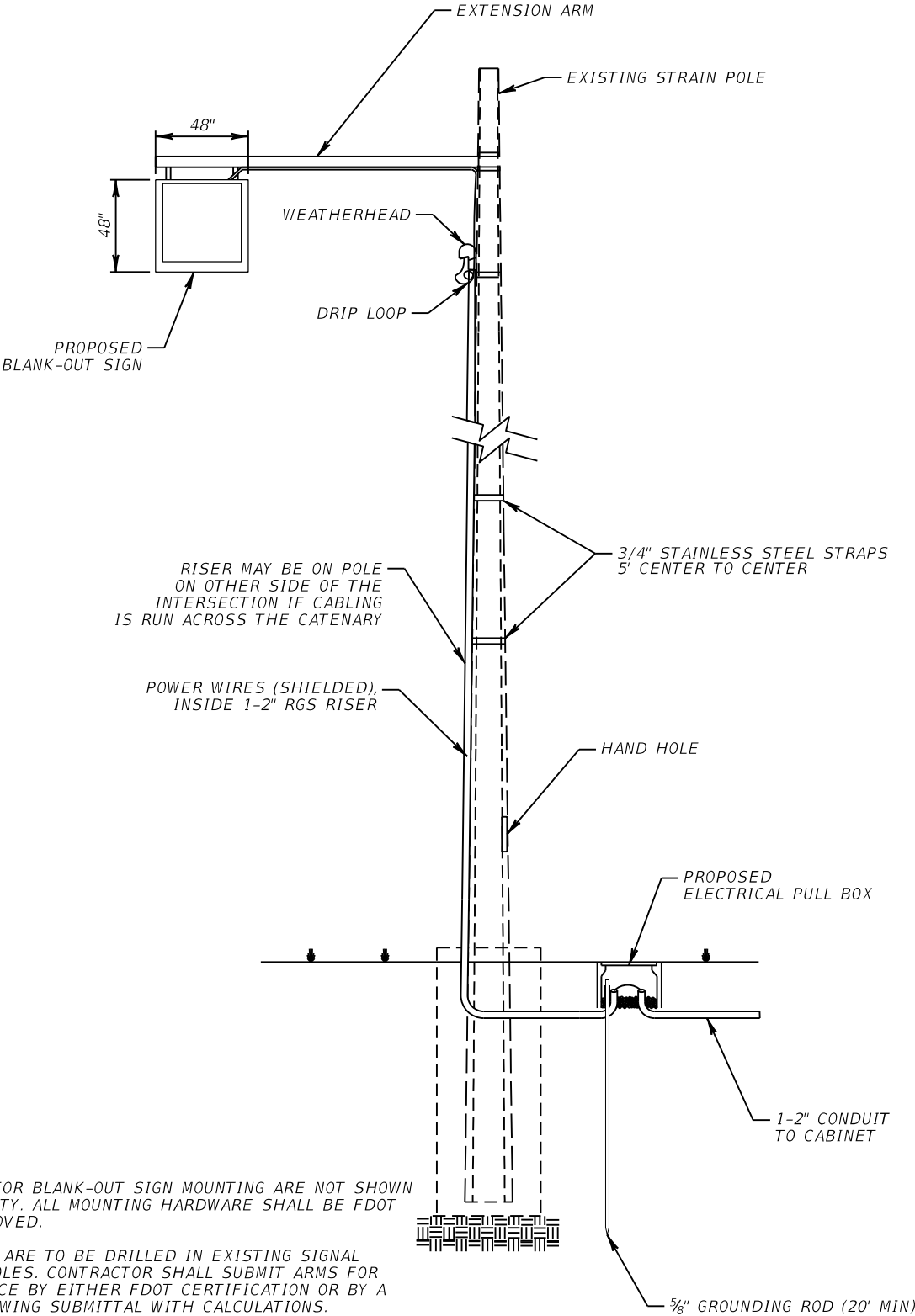


BLANK-OUT SIGN ON EXISTING MAST ARM OR UPRIGHT  
 NTS



- NOTE:
- 1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.
  - 2. SEE PLANS FOR MOUNTING LOCATION REQUIRED.

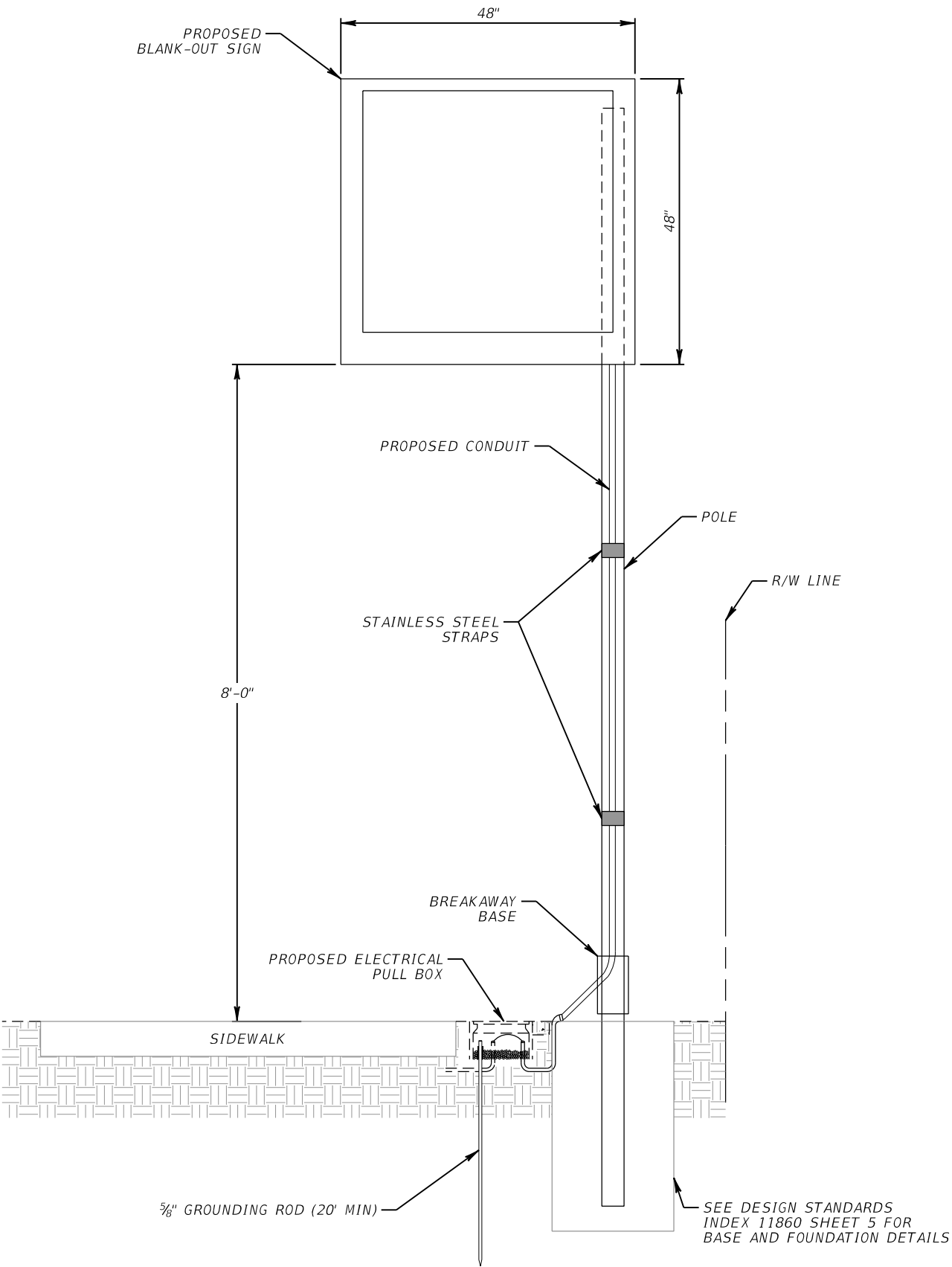
BLANK-OUT SIGN ON EXISTING SIGNAL POLE  
 NTS



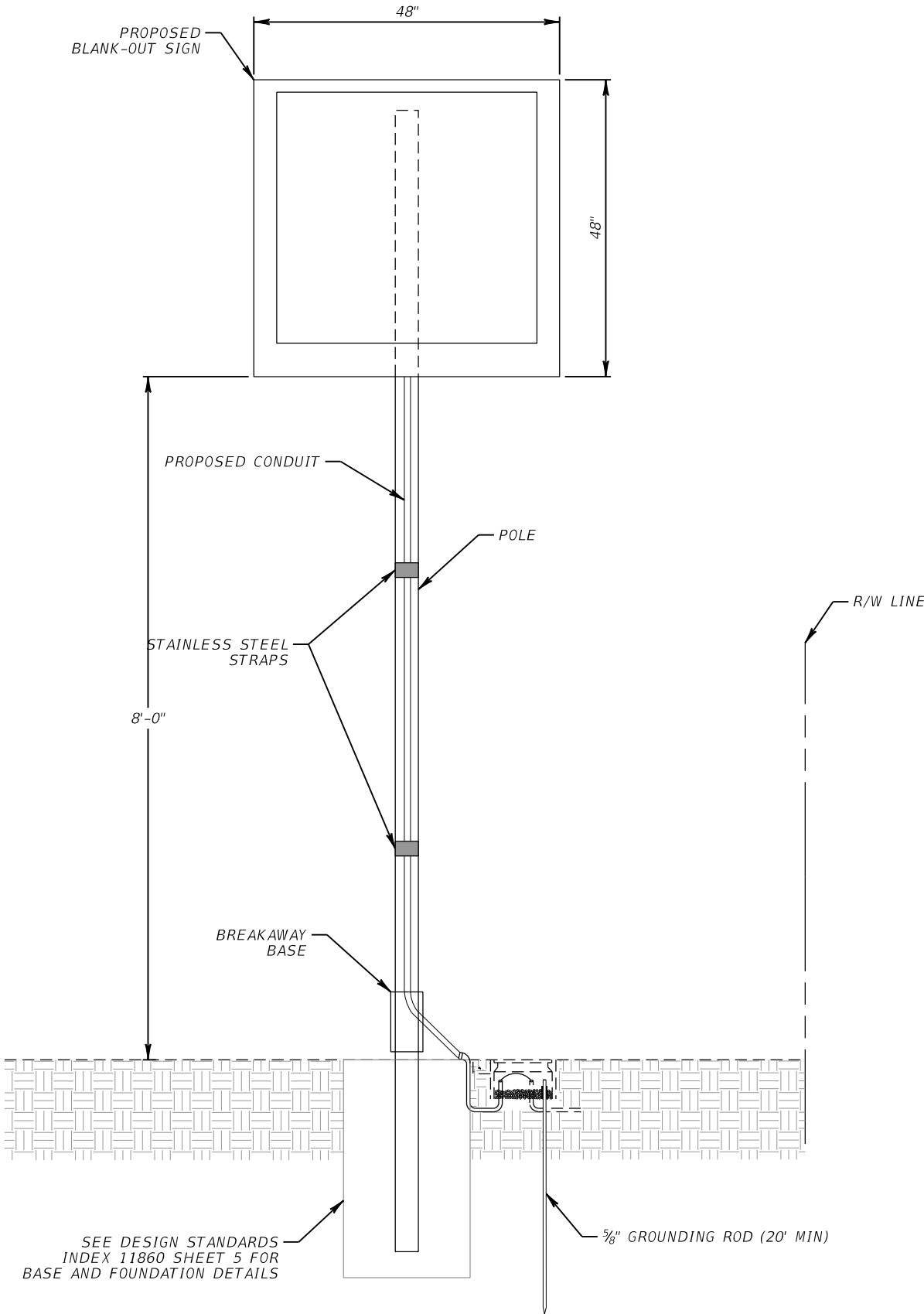
- NOTES:
- 1. DETAILS FOR BLANK-OUT SIGN MOUNTING ARE NOT SHOWN FOR CLARITY. ALL MOUNTING HARDWARE SHALL BE FDOT APL APPROVED.
  - 2. NO HOLES ARE TO BE DRILLED IN EXISTING SIGNAL STRAIN POLES. CONTRACTOR SHALL SUBMIT ARMS FOR ACCEPTANCE BY EITHER FDOT CERTIFICATION OR BY A SHOP DRAWING SUBMITTAL WITH CALCULATIONS.

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		IT-73

*SINGE-POST BLANK-OUT SIGN OVER SIDEWALK  
NTS*



*SINGE-POST BLANK-OUT SIGN IN OPEN AREA  
NTS*



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	VOLUSIA	436325-1-52-01

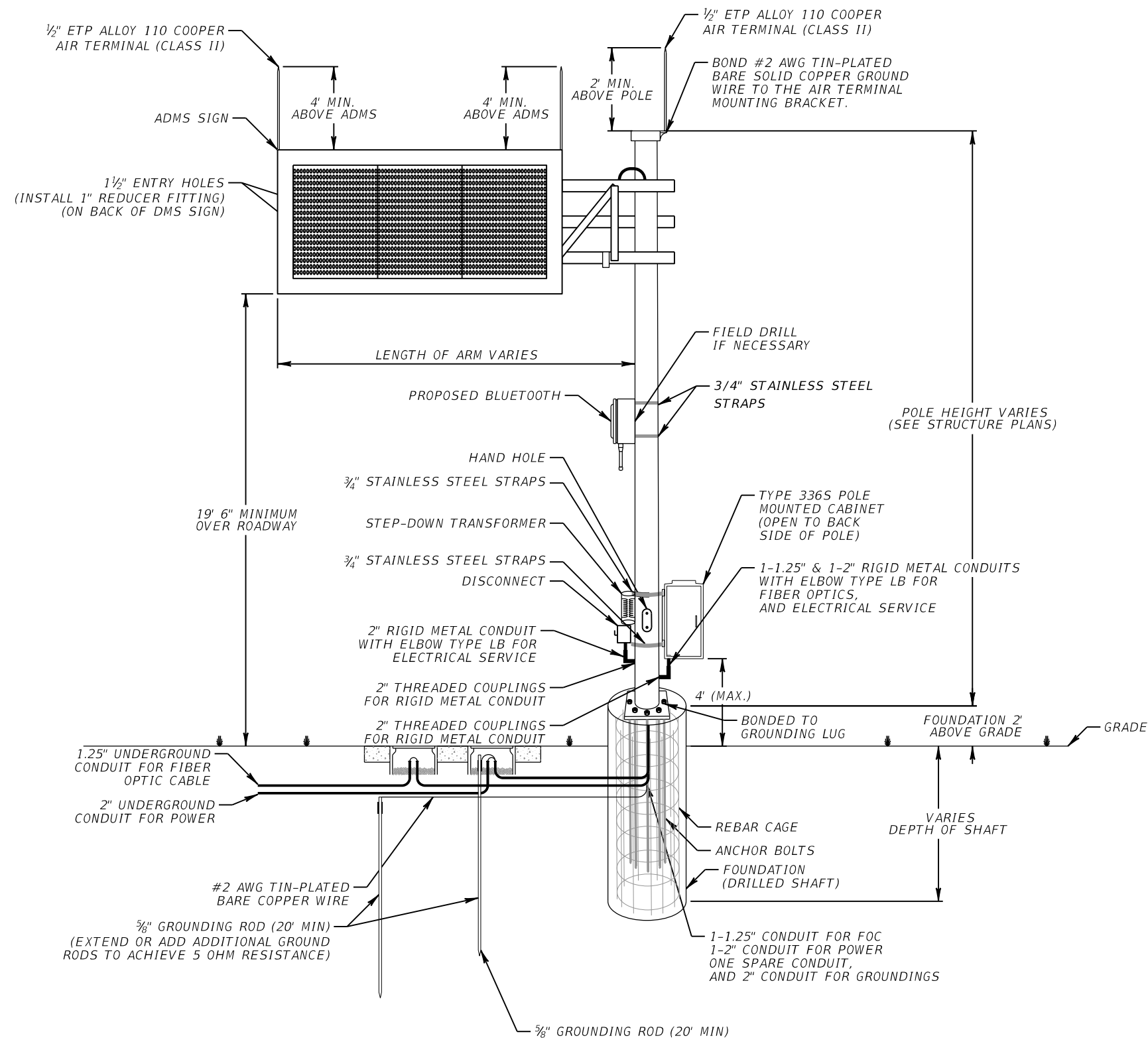
ITS MOUNTING DETAILS	
IT-74	

SHEET NO.
IT-74

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TYPICAL ADMS/BLEETOOTH INSTALLATION DETAILS  
NTS

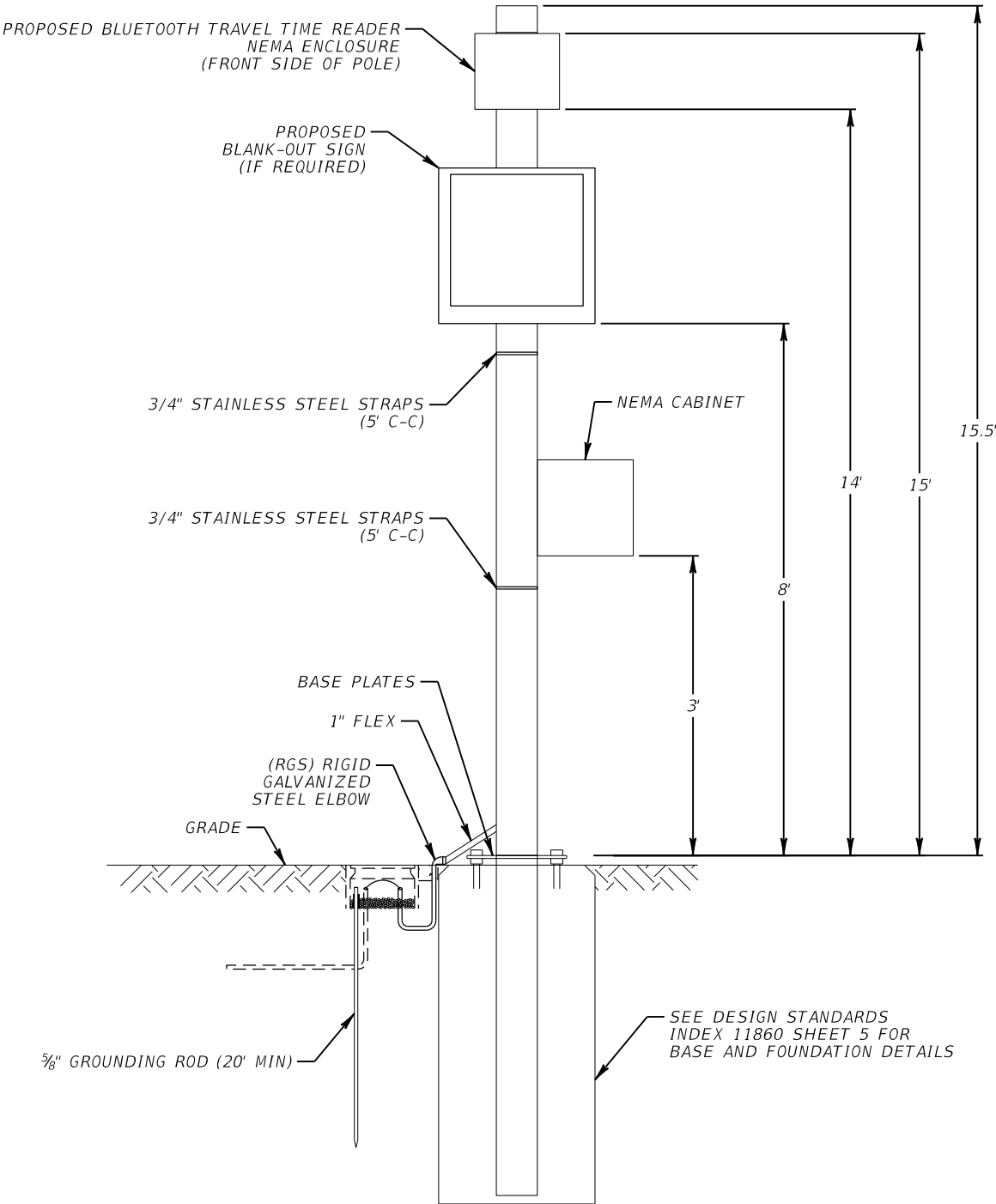


GROUNDING NOTES:

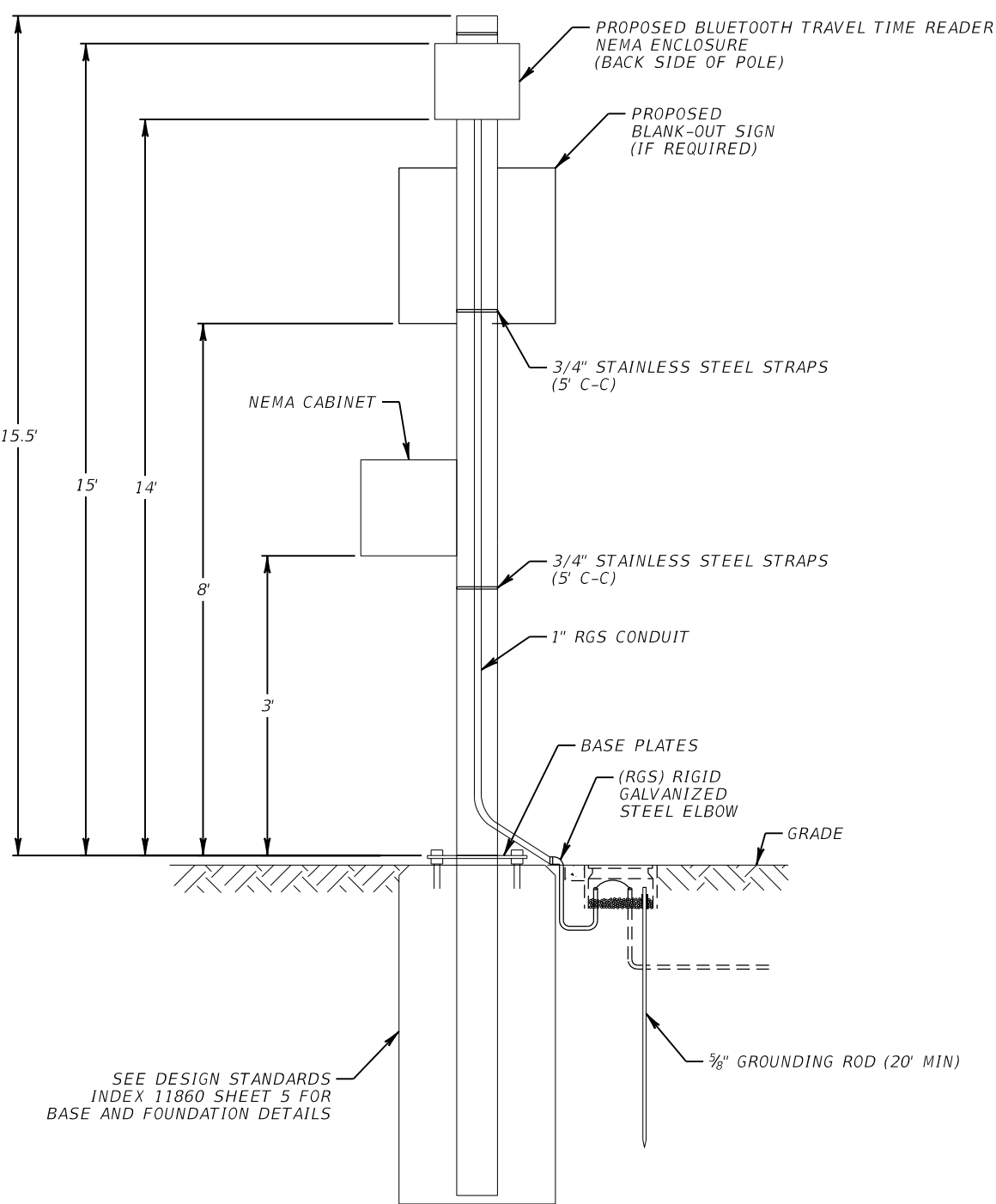
1. ALL EXOTHERMIC WELDS SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.
2. THE CONTRACTOR SHALL USE EXOTHERMIC WELD MOLDS RECOMMENDED BY THE MANUFACTURER SPECIFIC TO EACH WELD APPLICATION. MOLDS SHALL BE APPROVED BY THE MANUFACTURER FOR #2 AWG SOLID CONDUCTOR WIRE.
3. THE STRUCTURE SHALL BE CONNECTED TO THE GROUNDING ARRAY.
4. GROUND WIRE LEADS SHALL BE BONDED TO EQUIPMENT CABINETS WITH A COPPER GROUND BAR. BOND SHALL BE LOCATED ON THE INSIDE OF THE CABINET WITH THE EARTH WIRE TERMINATED IN A CABLE LUG, BOLTED TO THE GROUND BAR AND PROTECTED WITH AN ELECTRICALLY CONDUCTIVE COMPOUND DESIGNED TO PREVENT OXIDATION AND CHEMICAL CORROSION.
5. THE GROUNDING SYSTEM SHALL MEET THE REQUIREMENT OF 5 OHMS OR LESS AS MEASURED FROM THE SIGN STRUCTURE USING THE THREE-POINT GROUND MEASUREMENT TECHNIQUE. IF THE 5-OHM REQUIREMENT IS NOT MET, LONGER GROUND RODS MAY BE USED OR THE GROUNDING ARRAY EXTENDED UNTIL THE 5-OHM REQUIREMENT IS MET.
6. GROUNDING CONDUCTOR SHALL BE BONDED AT TOP AND BOTTOM OF RIGID GALVANIZED CONDUIT PER NESC.

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-75
					VARIES	VOLUSIA	436325-1-52-01		

BLUETOOTH TRAVEL TIME READER & BLANK OUT SIGN (IF REQUIRED) WITH NEMA CABINET  
 NTS



4.5" SINGLE POST GROUND MOUNT  
 (FRONT SIDE)



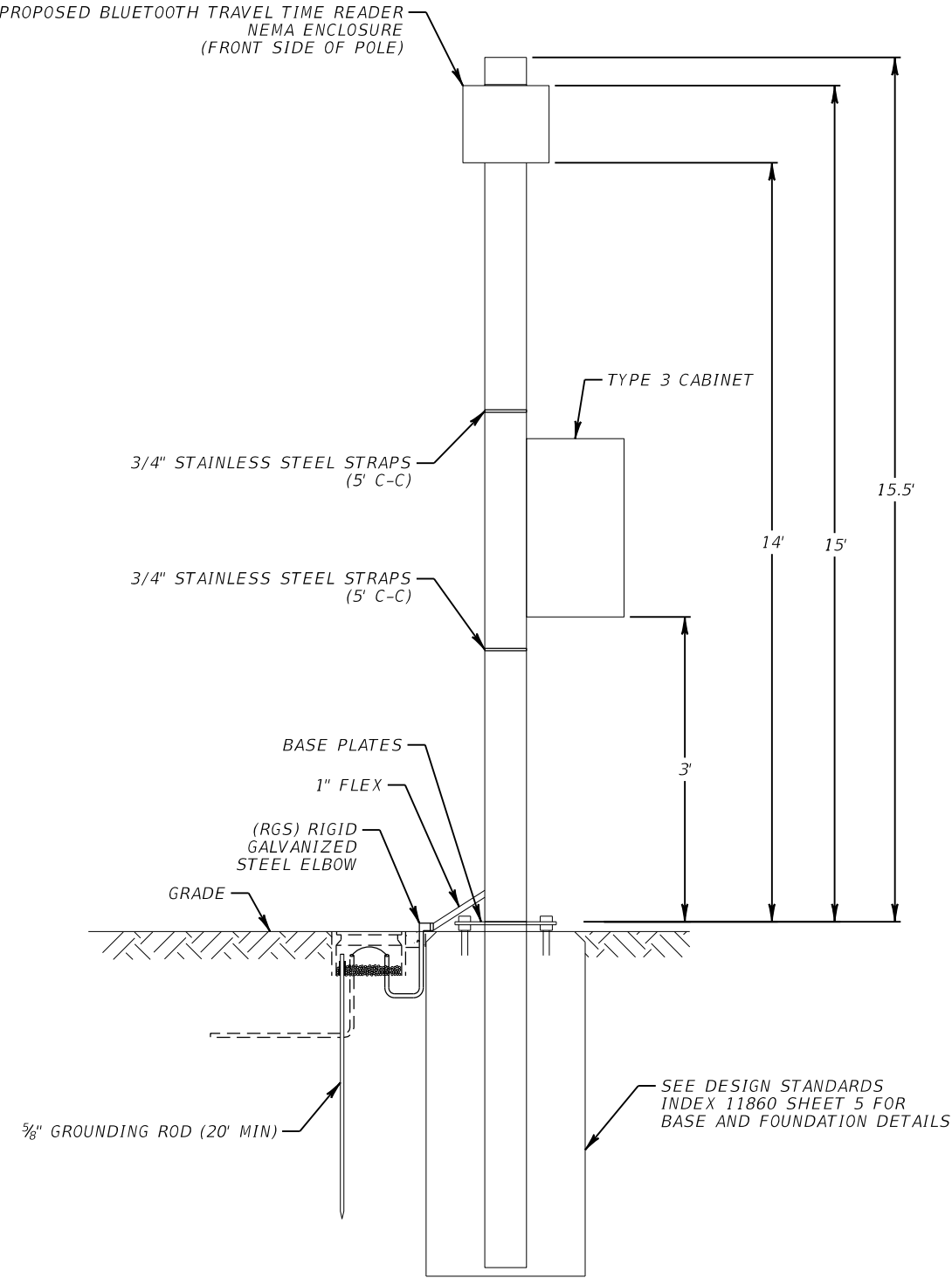
4.5" SINGLE POST GROUND MOUNT  
 (BACK SIDE)

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		IT-76

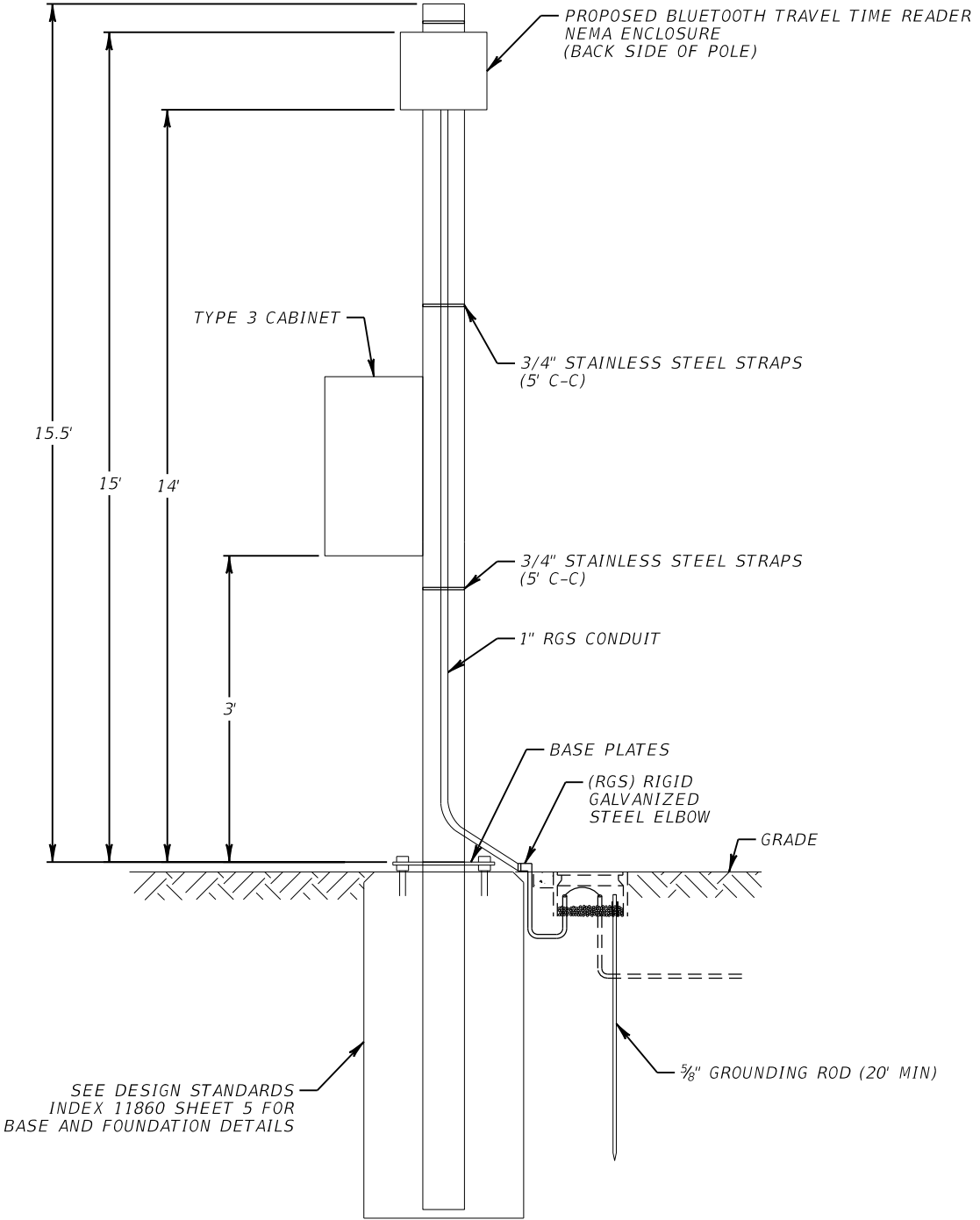
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BLUETOOTH TRAVEL TIME READER WITH LOCAL HUB  
 NTS



4.5" SINGLE POST GROUND MOUNT  
 (FRONT SIDE)



4.5" SINGLE POST GROUND MOUNT  
 (BACK SIDE)

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		IT-77

BLANK OUT SIGN MESSAGES							
DEVICE NUMBER	INTERSECTION	STATION	SHEET NO.	MESSAGE 1	MESSAGE 2	MESSAGE 3	MESSAGE 4
BOS 400-1	SR 400 @ CR 4009	1044+73 , RT	IT-21	LOT 7 ↑	DETOUR ←	DETOUR →	
BOS 400-2	SR 400 @ CR 4009	1044+94 , LT	IT-21	LOT 7 ←	DETOUR →		
BOS 400-3	SR 400 @ SR 483	1145+81 , RT	IT-22	LOT 7 ←			
BOS 400-4	SR 400 @ SR 483	1146+04 , LT	IT-22	I-95 →	DETOUR →		
BOS 400-5	SR 400 @ SR 5A	1181+39 , RT	IT-25	I-95 →			
BOS MW-1	MIDWAY AVE. @ LOT 6 ENTRANCE	8049+50 , LT	IT-27	LOT 6 →			
BOS MW-2	MIDWAY AVE. @ RICHARD PETTY BLVD.	8094+20 , LT	IT-30	LOT 4 →	PARKING ↑		

BLANK OUT SIGN MESSAGES							
DEVICE NUMBER	INTERSECTION	STATION	SHEET NO.	MESSAGE 1	MESSAGE 2	MESSAGE 3	MESSAGE 4
BOS 600-1	SR 600 @ CR 4019	1930+09 , RT	IT-32	LOT 7 ←	PARKING ↑		
BOS 600-2	SR 600 @ CR 4009	2074+97 , RT	IT-35	PARKING ↑	LOT 7 ↑		
BOS 600-3	SR 600 @ CR 4009	2081+66 , LT	IT-38	PARKING ↙	DETOUR ↘		
BOS 600-4	SR 600 @ CR 4009	2073+84 , LT	IT-35	PARKING ←	DETOUR →		
BOS 600-5	SR 600 @ CR 4009	2071+35 , RT	IT-37	PARKING ↘	DETOUR ↙		
BOS 600-6	SR 600 @ CR 4009	2074+77 , RT	IT-35	PARKING →	DETOUR ←		
BOS 600-7	SR 600 @ TURN ONE DR.	2085+29 , RT	IT-36	LOT 1 →	PARKING ↑	LOT 7 ↑	
BOS 600-8	SR 600 @ TURN ONE DR.	2083+74 , LT	IT-36	PARKING ←	PARKING ↑		
BOS 600-9	SR 600 @ BILL FRANCE BLVD.	2134+34 , RT	IT-39	LOT 4 →	PARKING ↑	LOT 7 ↑	
BOS 600-10	SR 600 @ BILL FRANCE BLVD.	2132+76 , LT	IT-39	LOT 4 ←	PARKING ↑		
BOS 600-11	SR 600 @ MIDWAY AVE.	2147+90 , RT	IT-40	LOT 6 →	LOT 7 ↑		
BOS 600-12	SR 600 @ MIDWAY AVE.	2146+38 , LT	IT-40	LOT 6 ←	PARKING ↑		

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			BLANK-OUT SIGN MESSAGE DETAILS		SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			IT-78
					VARIES	VOLUSIA	436325-1-52-01			



BLANK OUT SIGN MESSAGES							
DEVICE NUMBER	INTERSECTION	STATION	SHEET NO.	MESSAGE 1	MESSAGE 2	MESSAGE 3	MESSAGE 4
BOS 600-13	SR 600 @ SR 483	2171+31 , RT	IT-41	LOT 7 ↶	I-95 ↷		
BOS 600-14	SR 600 @ SR 483	2177+28 , RT	IT-42	LOT 7 ←	I-95 →		
BOS 600-15	SR 600 @ SR 483	2177+74 , LT	IT-42	🚶 PARKING →	I-95 →		
BOS 600-16	SR 600 @ SR 483	2183+56 , LT	IT-42	🚶 PARKING ↑	LOT 7 →	I-95 ↑	
BOS 600-17	SR 600 @ SR 483	2179+45 , RT	IT-42	🚶 PARKING ←	LOT 7 ↑	I-95 ←	
BOS 600-18	SR 600 @ SR 5A	2227+22 , RT	IT-43	🚶 PARKING →	I-95 →		
BOS 430-1	SR 430 @ SR 483	3038+34 , LT	IT-45	I-95 ↑	I-95 ↶		
BOS 430-2	SR 430 @ SR 483	3044+48 , LT	IT-44	I-95 ↑	I-95 ←		
BOS 430-3	SR 430 @ SR 483	3051+51 , LT	IT-44	LOT 7 ↷	🚶 PARKING ↶	I-95 ↶	
BOS 430-4	SR 430 @ SR 483	3045+50 , LT	IT-44	LOT 7 →	🚶 PARKING ←	I-95 ←	
BOS 430-5	SR 430 @ SR 483	3045+43 , RT	IT-44	LOT 7 ↑			

BLANK OUT SIGN MESSAGES							
DEVICE NUMBER	INTERSECTION	STATION	SHEET NO.	MESSAGE 1	MESSAGE 2	MESSAGE 3	MESSAGE 4
BOS 430-6	SR 430 @ SR 5A	3097+64 , RT	IT-46	I-95 N ←	I-95 S →		
BOS 430-7	SR 430 @ SR 5A	3096+57 , RT	IT-46	LOT 7 →			
BOS 430-8	SR 430 @ SR 5A	3096+43 , LT	IT-46	LOT 7 ↑			
BOS 483-1	CR 483 @ JIMMY ANN DR.	212+51 , RT	IT-47	LOT 7 ↑			
BOS 483-2	CR 483 @ JIMMY ANN DR.	212+26 , RT	IT-47	LOT 7 ↷			
BOS 483-3	CR 483 @ JIMMY ANN DR.	211+70 , LT	IT-47	LOT 7 →			
BOS 4019-1	CR 4019 @ CR 4009	5046+81 , RT	IT-50	LOT 7 ↑	DETOUR →	DETOUR ←	
BOS 4019-2	CR 4019 @ CR 4009	5045+57 , RT	IT-50	LOT 7 ←	DETOUR →		
BOS 4019-3	CR 4019 @ CR 4009	5046+77 , LT	IT-50	LOT 7 →	I-95 ←	DETOUR ←	
BOS 4019-4	CR 4019 @ CR 483	5072+21 , RT	IT-52	LOT 7 →	DETOUR ←	DETOUR →	

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			BLANK-OUT SIGN MESSAGE DETAILS		SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			IT-79
					VARIES	VOLUSIA	436325-1-52-01			

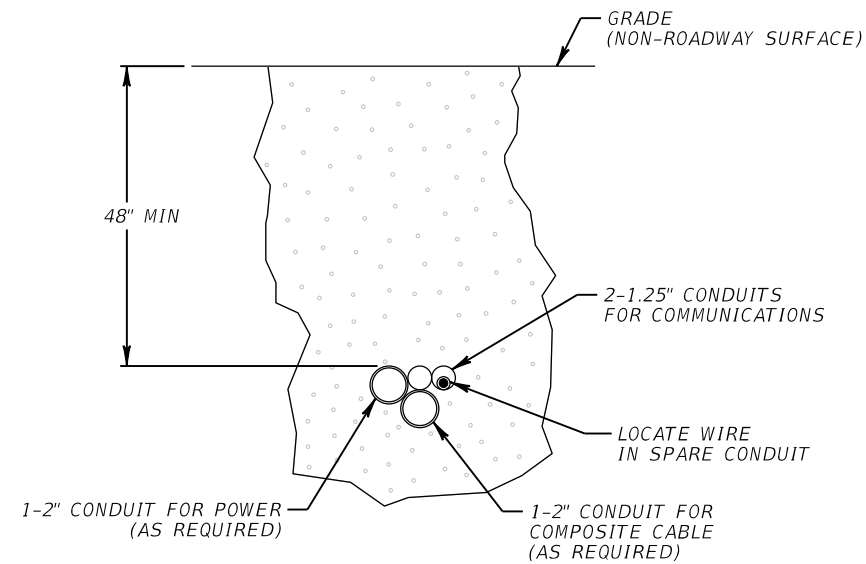
BLANK OUT SIGN MESSAGES							
DEVICE NUMBER	INTERSECTION	STATION	SHEET NO.	MESSAGE 1	MESSAGE 2	MESSAGE 3	MESSAGE 4
BOS 4019-5	CR 4019 @ CR 483	5070+96 , RT	IT-52	LOT 7 ↑	DETOUR ➡		
BOS 4019-6	CR 4019 @ CR 483	5071+06 , LT	IT-52	LOT 7 ←	I-95 ↑		
BOS 4019-7	CR 4019 @ CR 483	5070+27 , RT	IT-54	I-95 ↙	DETOUR ↙		
BOS 4019-8	CR 4019 @ CR 483	5072+33 , LT	IT-52	I-95 ←	DETOUR ←		
BOS 4019-9	CR 4019 @ SR 5A	5173+84 , RT	IT-55	I-95 N ←	I-95 S ➡		
BOS 4019-10	CR 4019 @ SR 5A	5173+73 , LT	IT-55	LOT 7 ←	I-95 ↑		
BOS 40-1	SR 40 @ CR 4009	6030+67 , LT	IT-58	DETOUR ←			
BOS 40-2	SR 40 @ CR 483	6102+67 , RT	IT-59	LOT 7 ➡	DETOUR ↑	DETOUR ➡	

BLANK OUT SIGN MESSAGES							
DEVICE NUMBER	INTERSECTION	STATION	SHEET NO.	MESSAGE 1	MESSAGE 2	MESSAGE 3	MESSAGE 4
BOS 40-3	SR 40 @ CR 483	6101+41 , LT	IT-59	LOT 7 ←	DETOUR ↑		
BOS 40-4	SR 40 @ SR 5A	6157+96 , RT	IT-60	DETOUR ←			
BOS 40-5	SR 40 @ SR 5A	6156+94 , LT	IT-60	LOT 7 ➡	DETOUR ➡		
BOS 40-6	SR 40 @ SR 5A	6157+80 , RT	IT-60	I-95 ←	I-95 ↑		
BOS 5-1	US 1 @ SR 5A	7059+12 , RT	IT-61	I-95 ←	DETOUR ←		
BOS 5-2	US 1 @ SR 5A	7057+88 , LT	IT-61	LOT 7 ➡	DETOUR ➡		

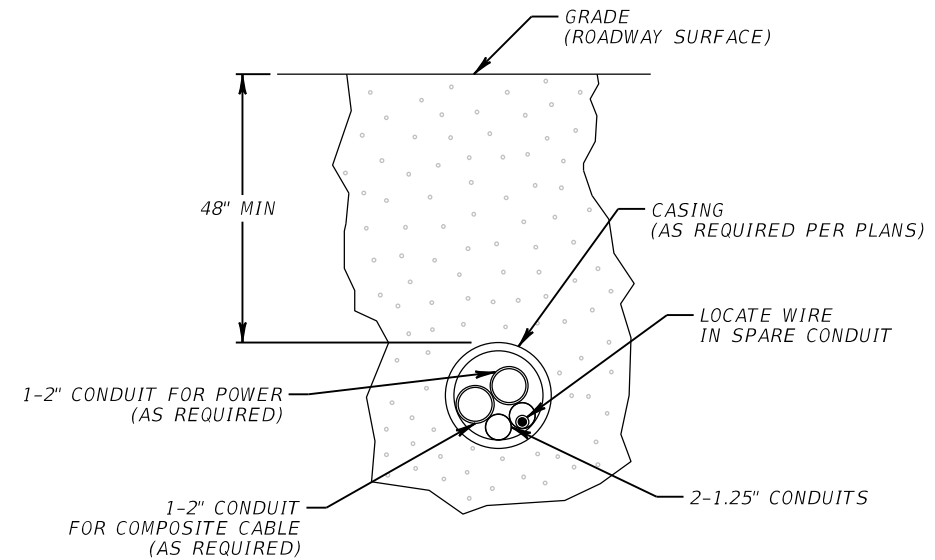
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			BLANK-OUT SIGN MESSAGE DETAILS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			IT-80
					VARIES	VOLUSIA	436325-1-52-01			

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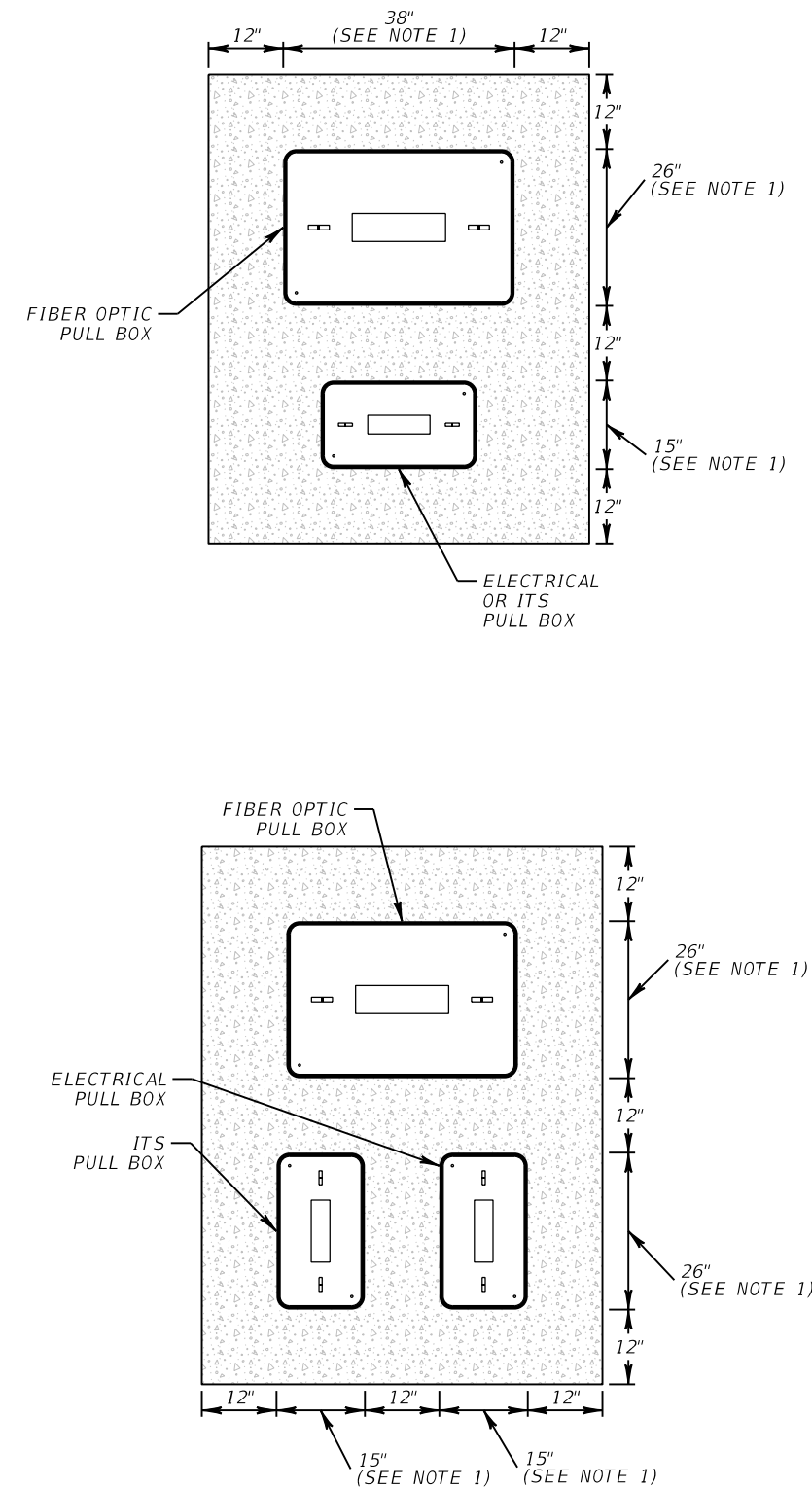
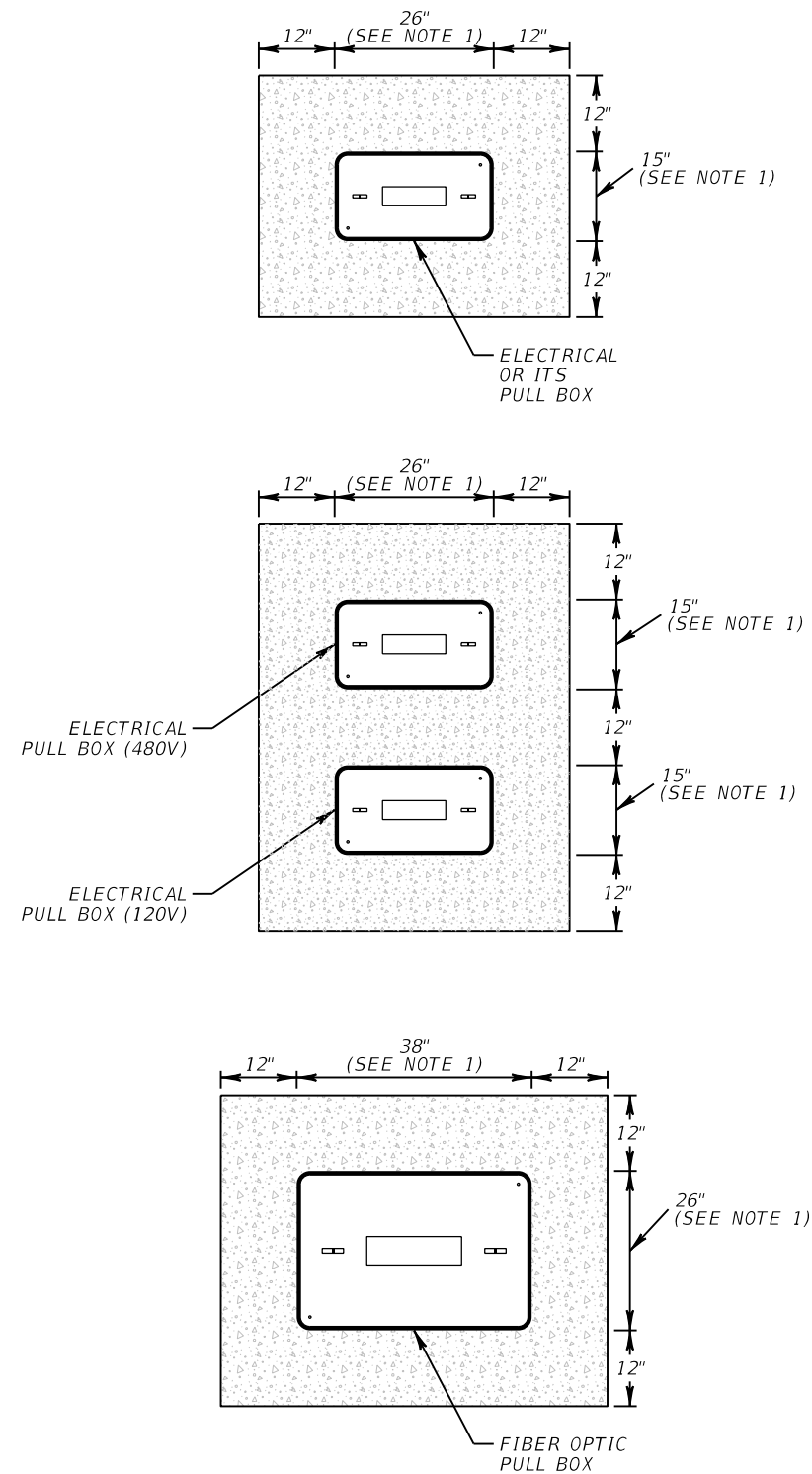


TYPICAL DIRECTIONAL BORE  
NTS



DIRECTIONAL BORE UNDER ROADWAY SURFACE  
NTS

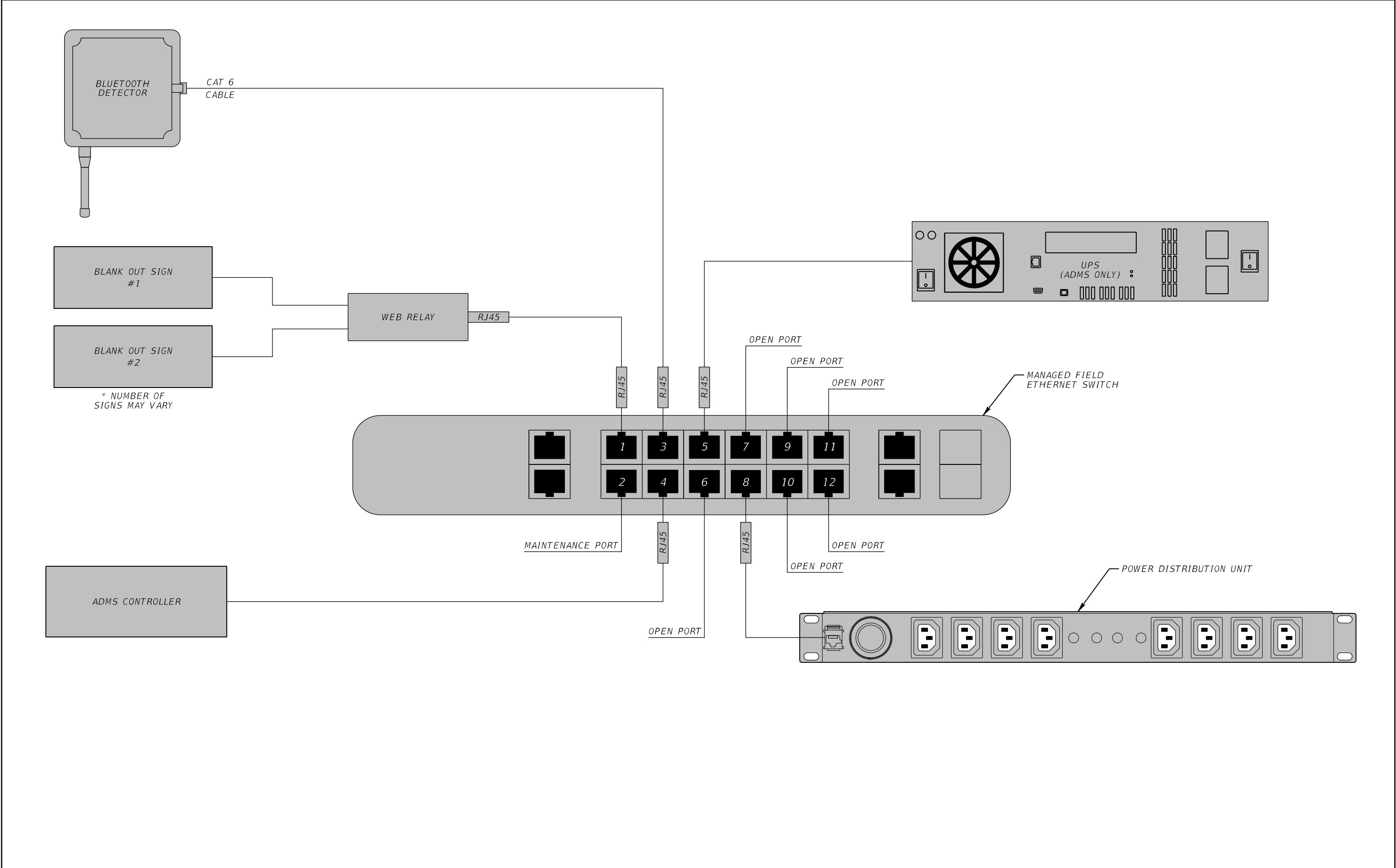
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DIRECTIONAL BORE DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		IT-81



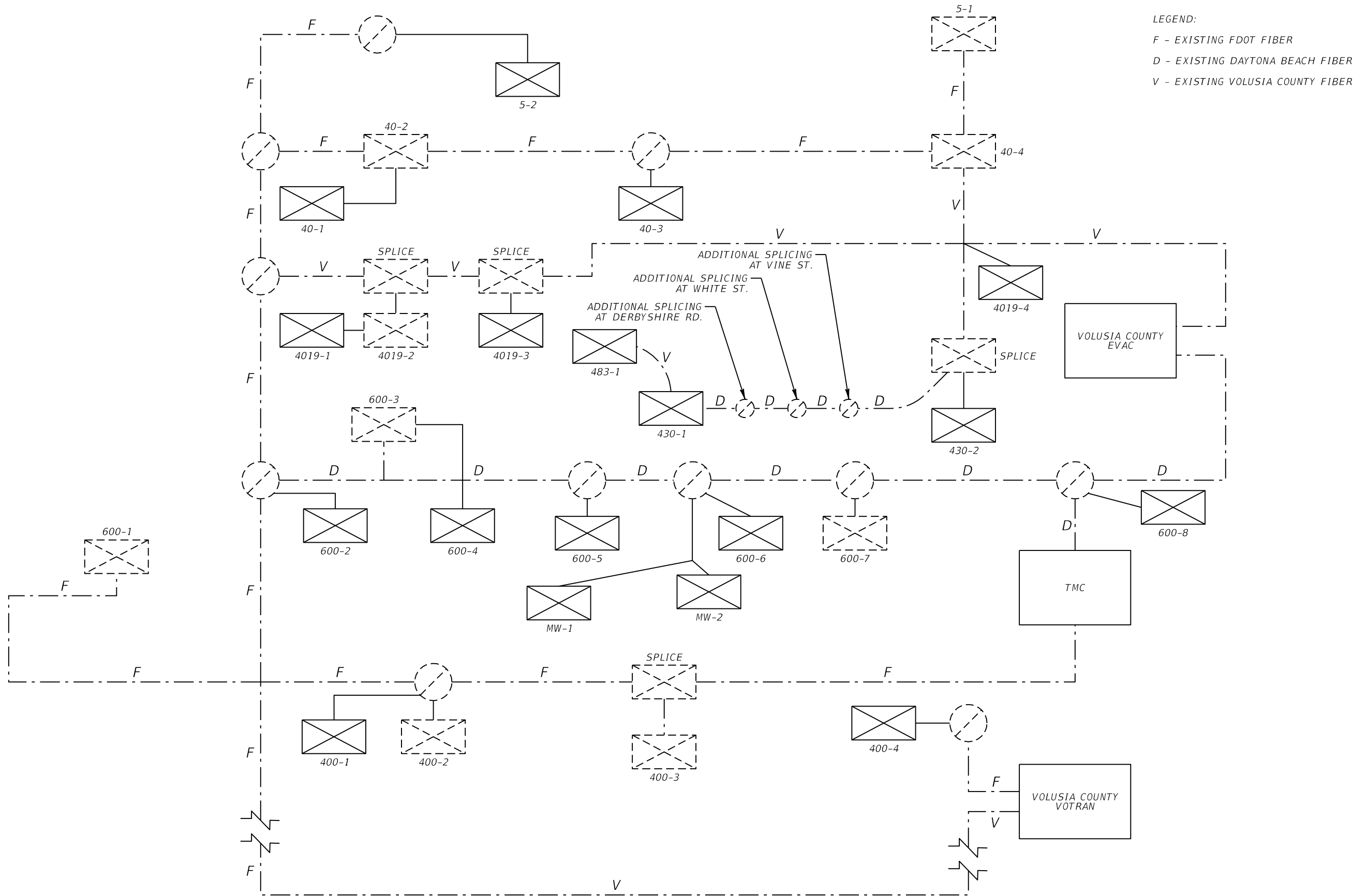
NOTES:  
1. DIMENSIONS OF PULL BOX OR SPLICE VAULTS MAY VARY.

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CONCRETE APRON DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		IT-82





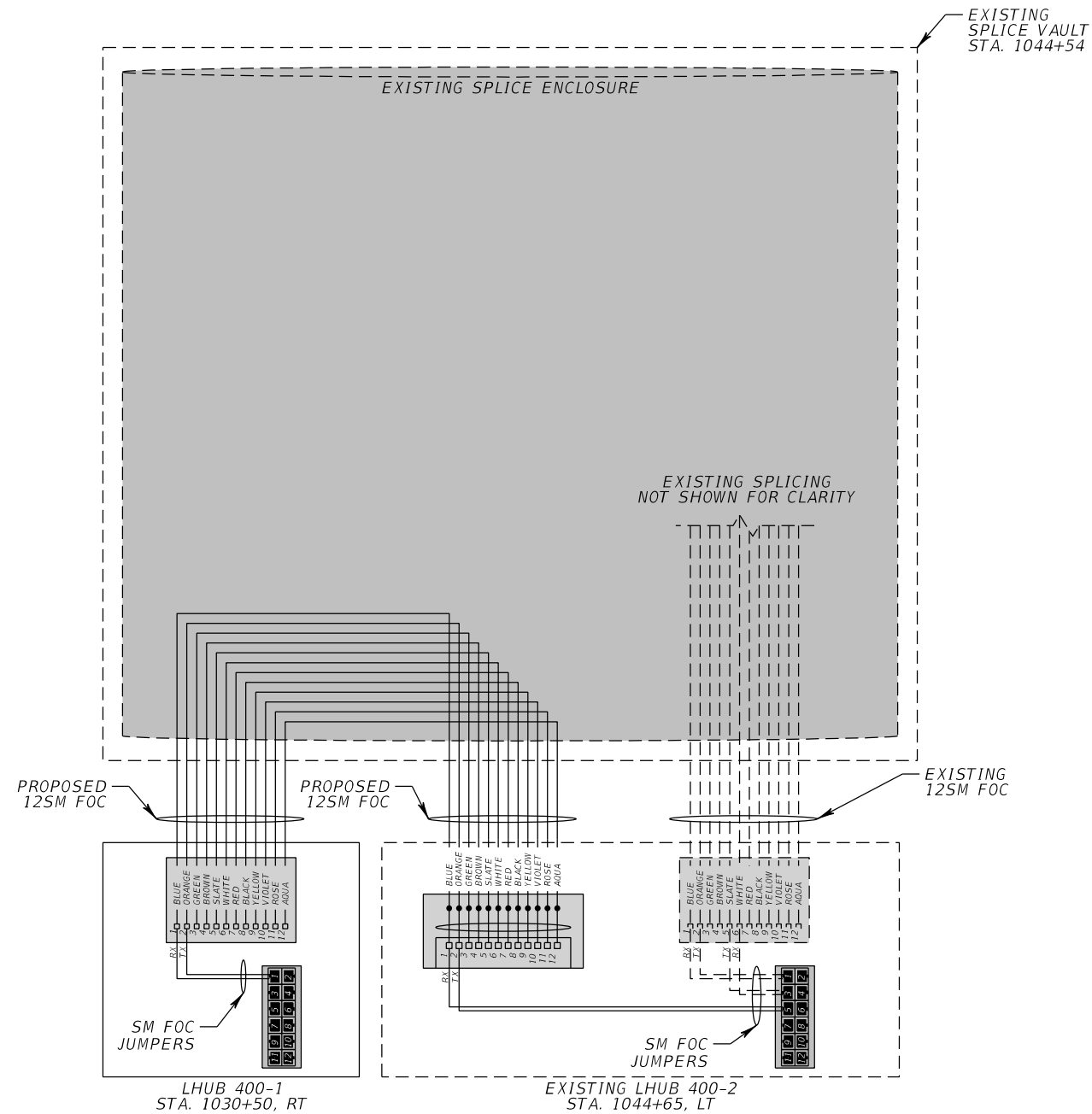
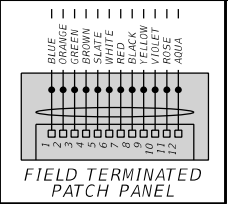
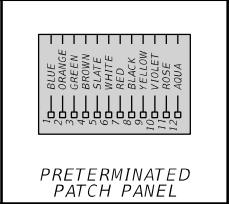
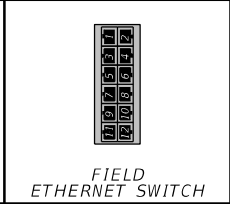
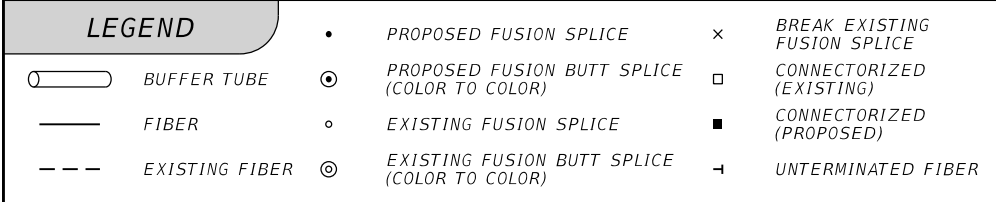
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			MANAGED FIELD ETHERNET SWITCH DETAIL		SHEET NO.  IT-83
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					VARIES	VOLUSIA	436325-1-52-01			



REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LOGICAL NETWORK DIAGRAM	SHEET NO.  IT-84
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		

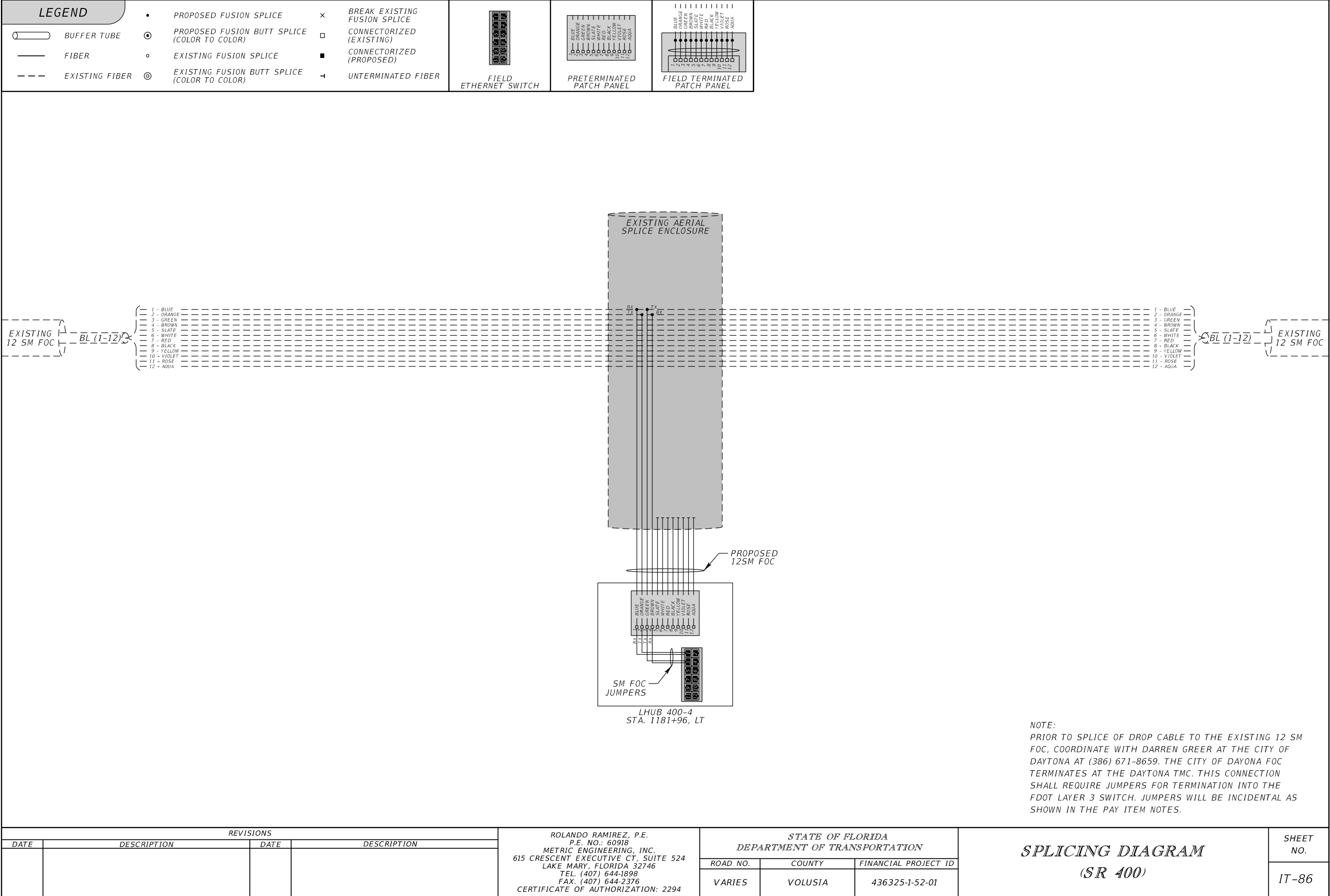
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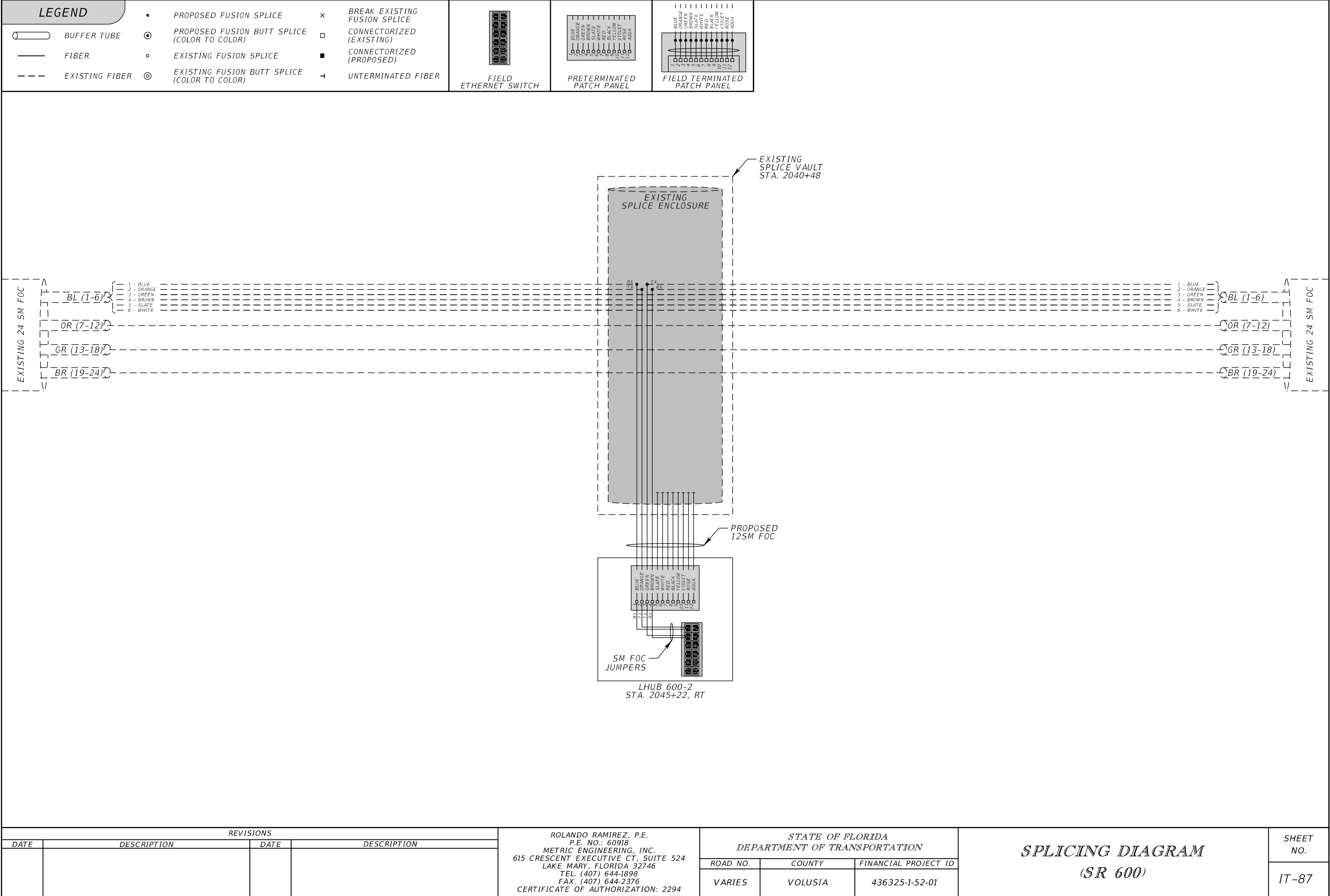
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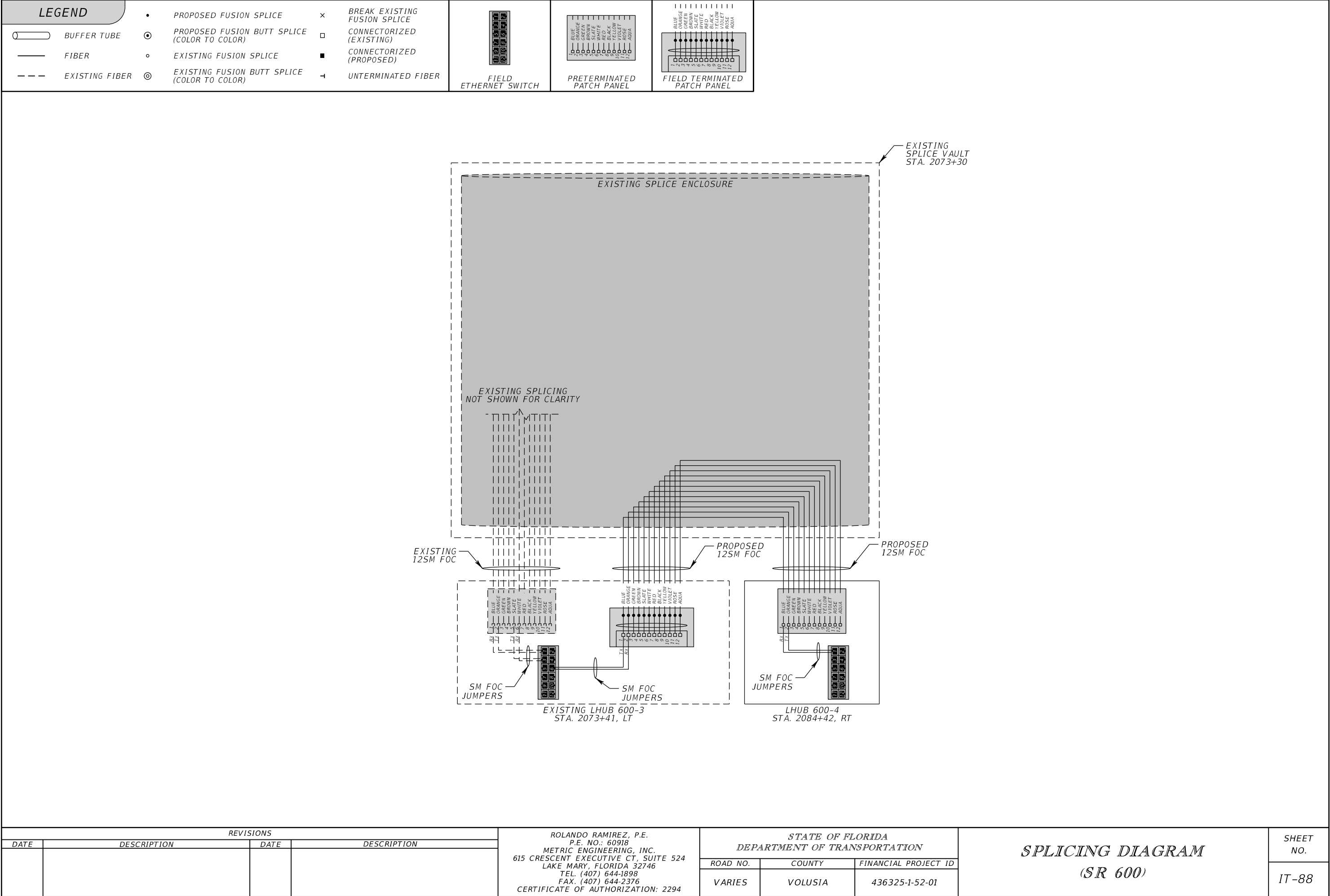


<div> <div> <div>REVISONS</div> <div> <div>DATE</div> <div>DESCRIPTION</div> <div>DATE</div> <div>DESCRIPTION</div> </div> </div> <div> <div>ROLANDO RAMIREZ, P.E.</div> <div>P.E. NO.: 60918</div> <div>METRIC ENGINEERING, INC.</div> <div>615 CRESCENT EXECUTIVE CT, SUITE 524</div> <div>LAKE MARY, FLORIDA 32746</div> <div>TEL. (407) 644-1898</div> <div>FAX. (407) 644-2376</div> <div>CERTIFICATE OF AUTHORIZATION: 2294</div> </div> <div> <div>STATE OF FLORIDA</div> <div>DEPARTMENT OF TRANSPORTATION</div> <div> <div>ROAD NO.</div> <div>COUNTY</div> <div>FINANCIAL PROJECT ID</div> </div> <div> <div>VARIES</div> <div>VOLUSIA</div> <div>436325-1-52-01</div> </div> </div> <div> <div> <div>SHEET NO.</div> <div>IT-85</div> </div> <div> <div>SPLICING DIAGRAM</div> <div>(SR 400)</div> </div> </div> </div>			
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EXISTING SPLICE VAULT  
STA. 2073+30

EXISTING SPLICE ENCLOSURE

EXISTING SPLICING  
NOT SHOWN FOR CLARITY

EXISTING 12SM FOC

PROPOSED 12SM FOC

PROPOSED 12SM FOC

EXISTING LHUB 600-3  
STA. 2073+41, LT

LHUB 600-4  
STA. 2084+42, RT

SM FOC JUMPERS

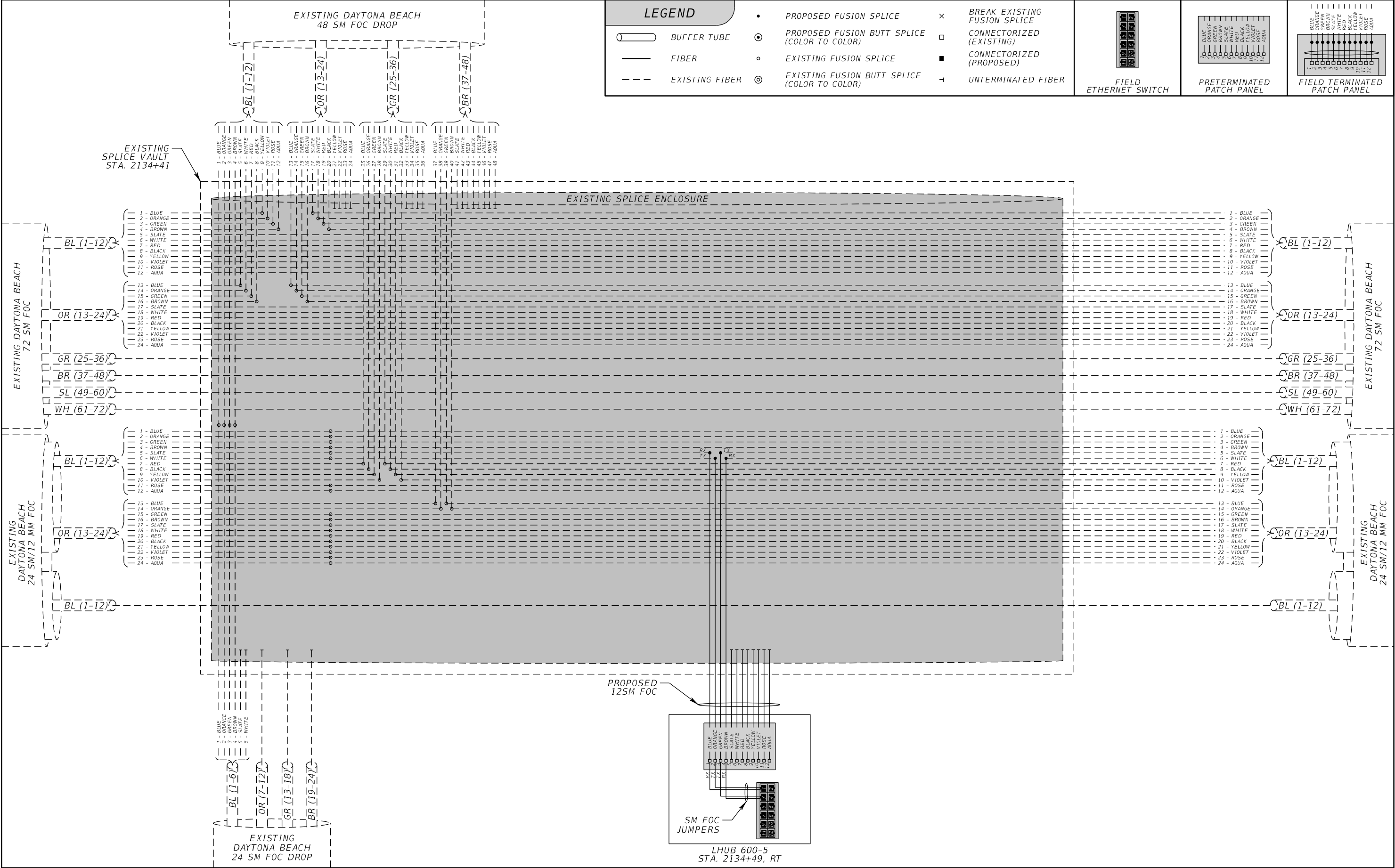
SM FOC JUMPERS

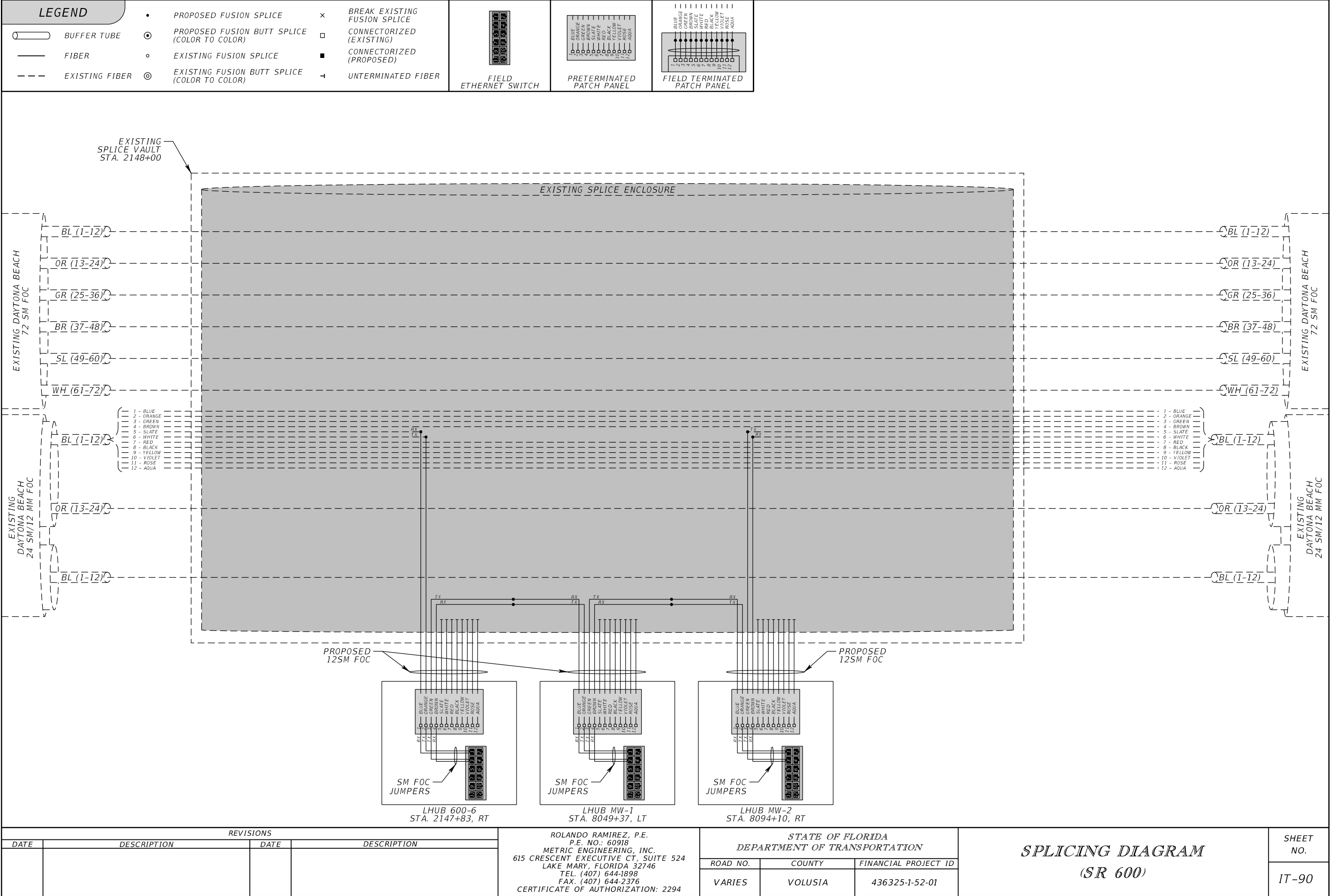
SM FOC JUMPERS

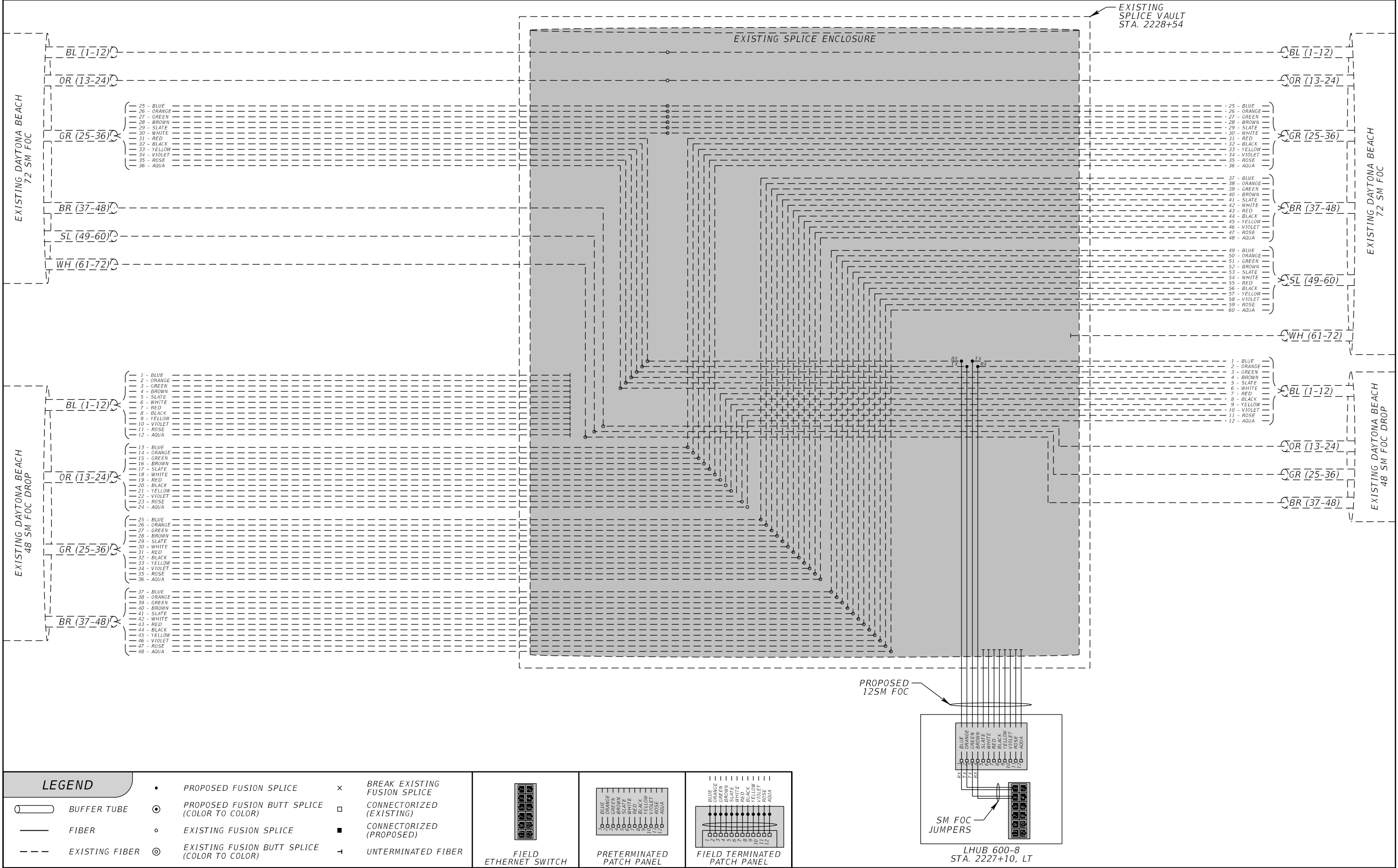
REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPlicing DIAGRAM (SR 600)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-88
					VARIES	VOLUSIA	436325-1-52-01		

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

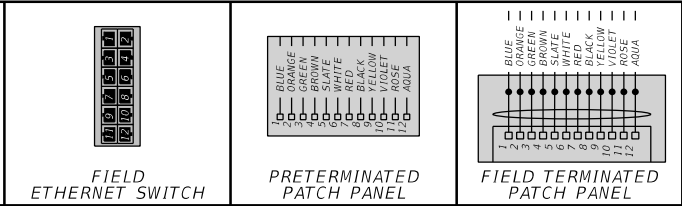








LEGEND			
	BUFFER TUBE		PROPOSED FUSION SPLICE
	FIBER		PROPOSED FUSION BUTT SPLICE (COLOR TO COLOR)
	EXISTING FIBER		EXISTING FUSION SPLICE
			EXISTING FUSION BUTT SPLICE (COLOR TO COLOR)
			CONNECTORIZED (EXISTING)
			CONNECTORIZED (PROPOSED)
			UNTERMINATED FIBER

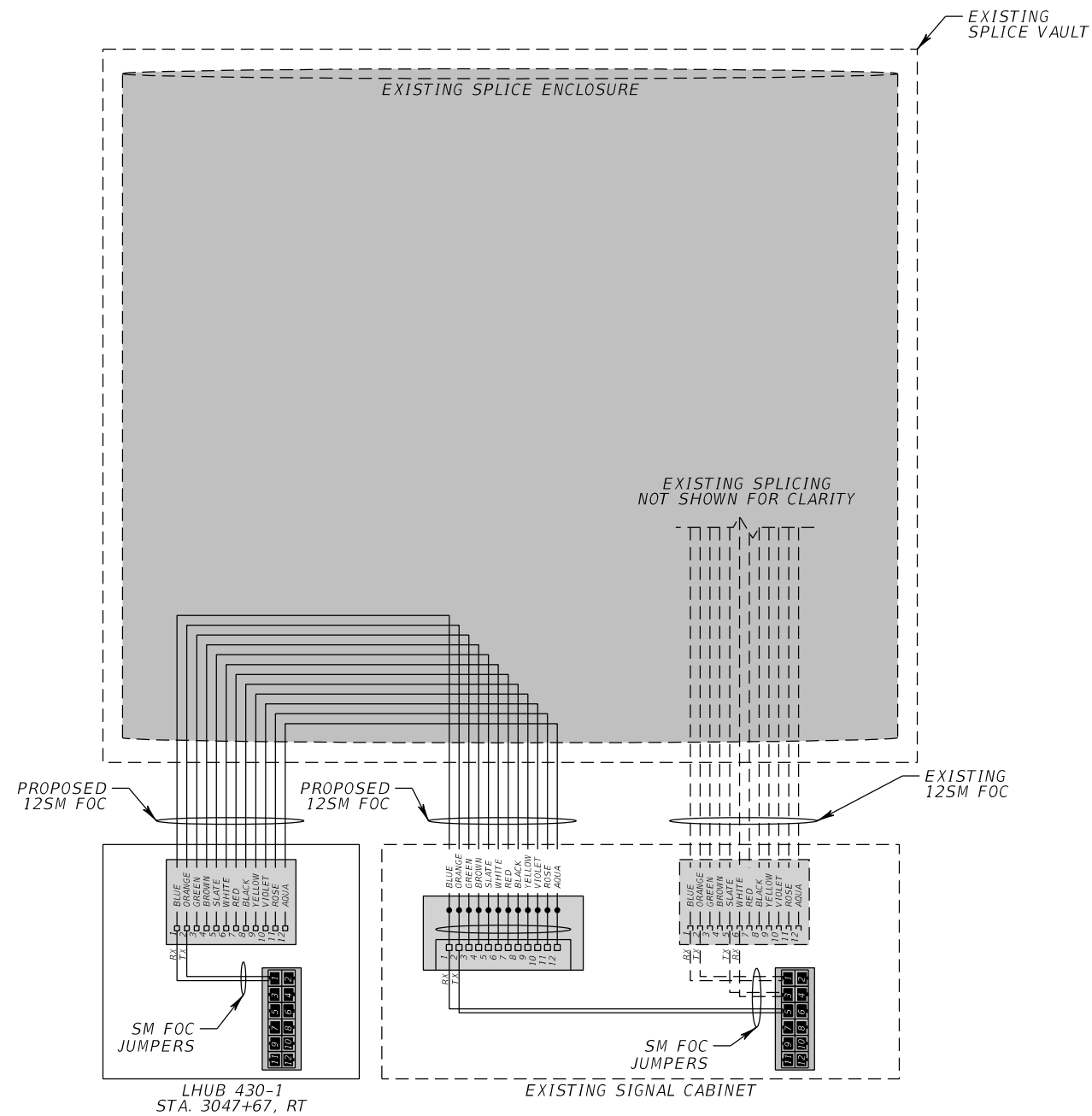
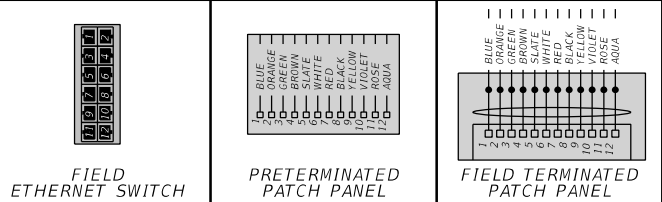
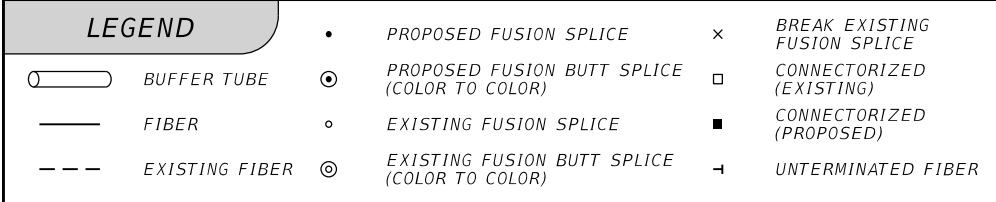


REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPlicing DIAGRAM (SR 600)	SHEET NO.  IT-91
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		

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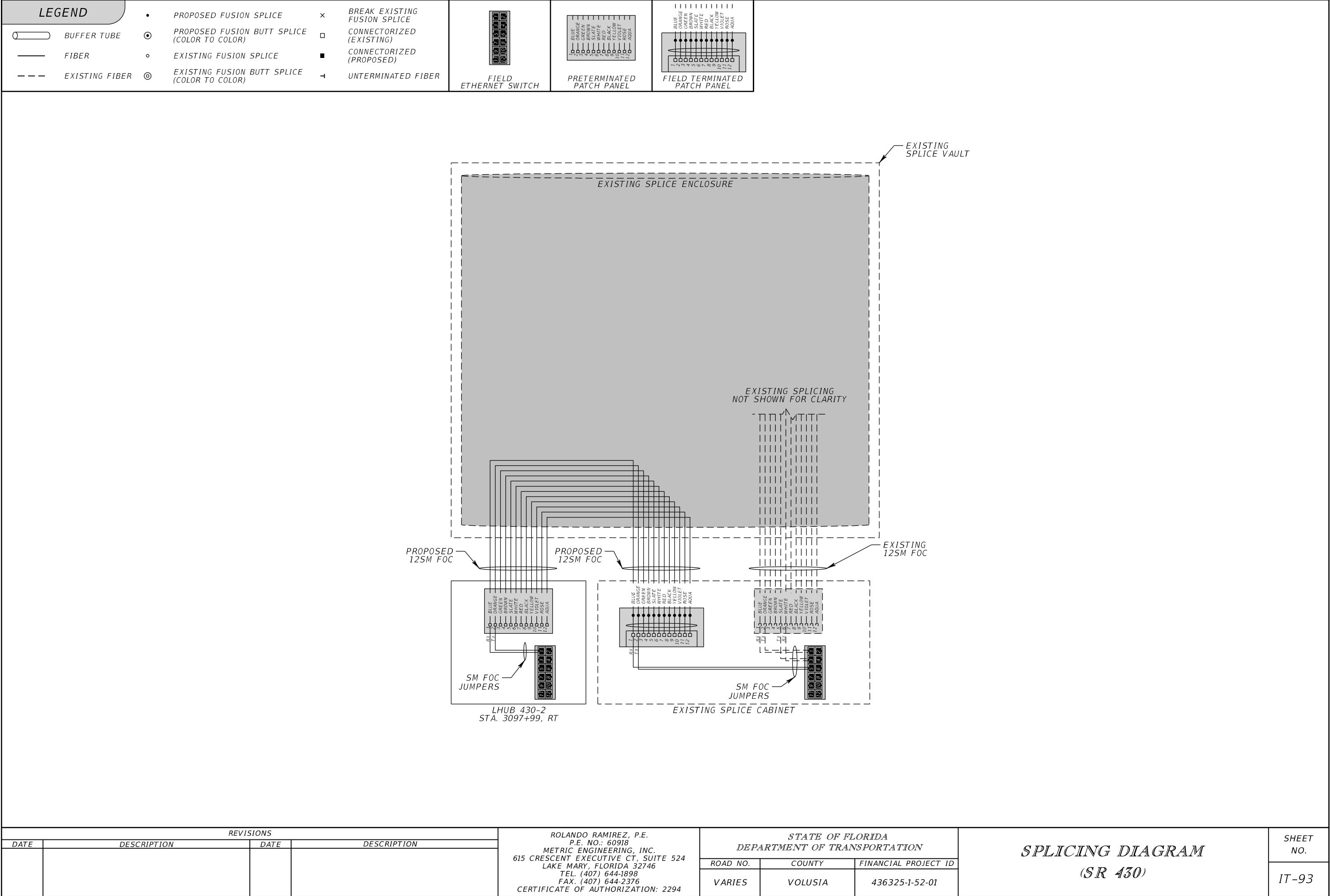


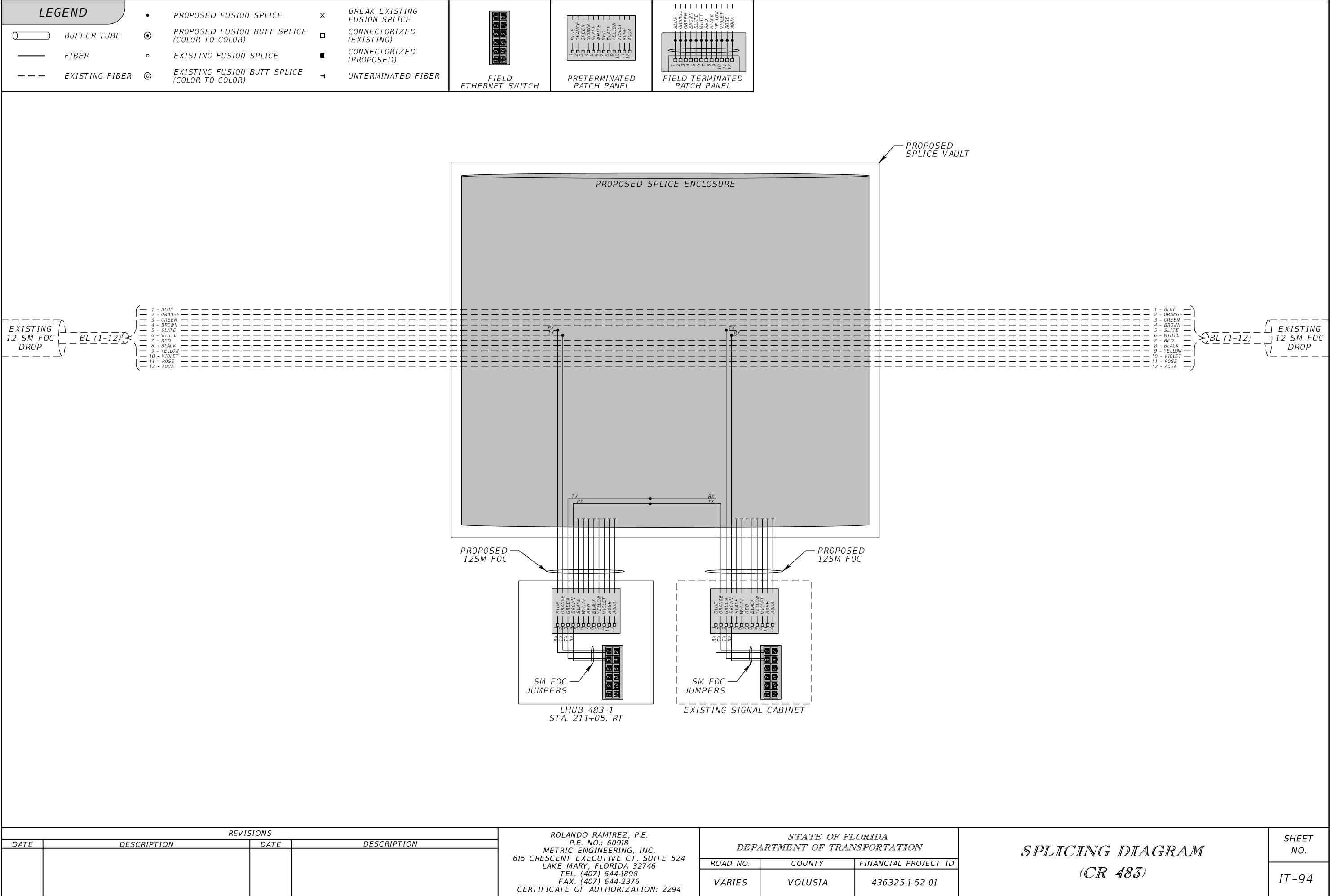
*LEGEND*



<b>REVISIONS</b>				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	<b>STATE OF FLORIDA</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<div style="text-align: center;"> <h1>SPLICING DIAGRAM</h1> <p>(SR 430)</p> </div>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		IT-92

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EXISTING 12 SM FOC DROP

BL (1-12)

1 - BLUE

2 - ORANGE

3 - GREEN

4 - BROWN

5 - SLATE

6 - WHITE

7 - RED

8 - BLACK

9 - YELLOW

10 - VIOLET

11 - ROSE

12 - AQUA

PROPOSED SPLICE ENCLOSURE

PROPOSED SPLICE VAULT

PROPOSED 12SM FOC

SM FOC JUMPERS

LHUB 483-1 STA. 211+05, RT

EXISTING 12 SM FOC DROP

BL (1-12)

1 - BLUE

2 - ORANGE

3 - GREEN

4 - BROWN

5 - SLATE

6 - WHITE

7 - RED

8 - BLACK

9 - YELLOW

10 - VIOLET

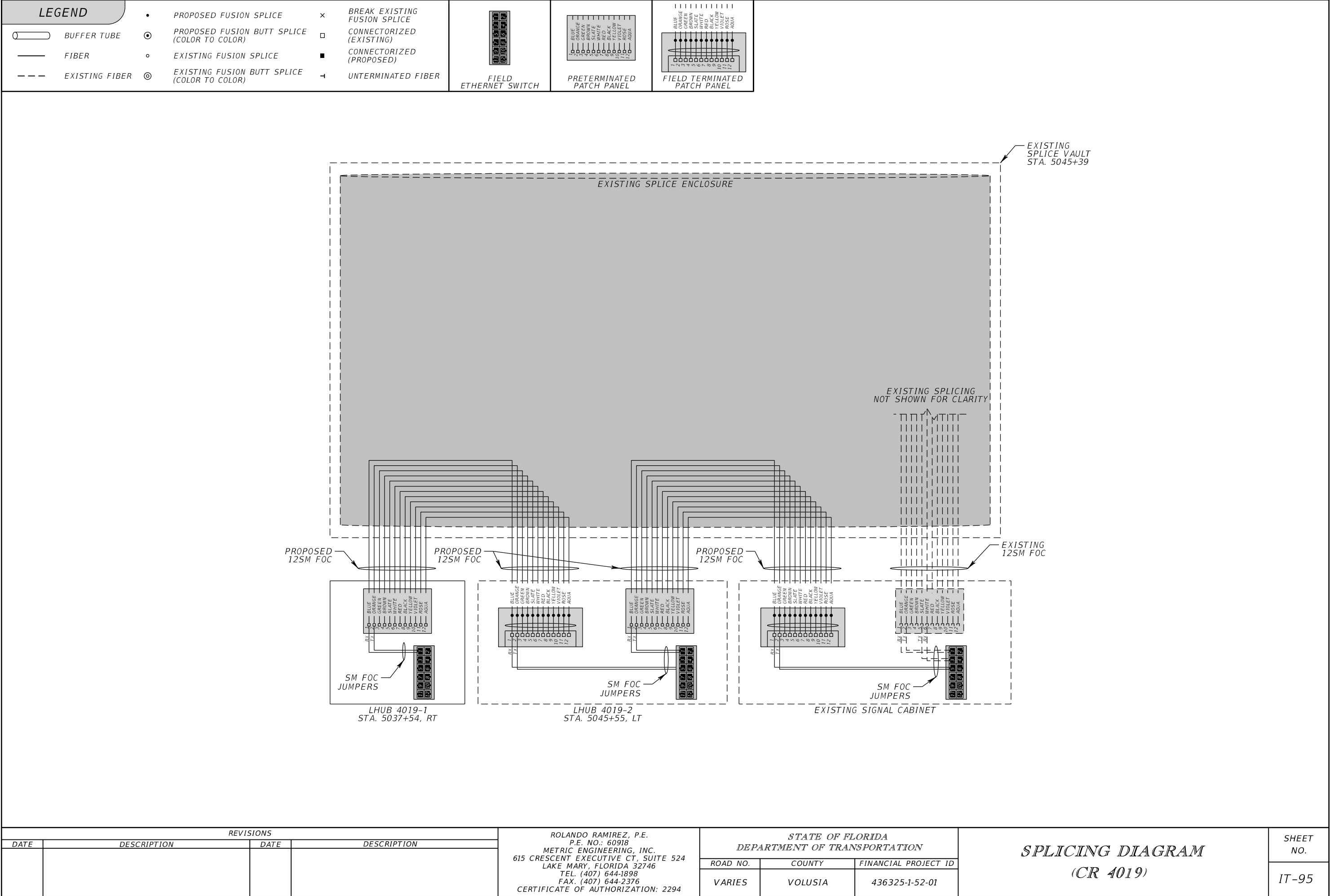
11 - ROSE

12 - AQUA

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPlicing DIAGRAM (CR 483)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-94
					VARIES	VOLUSIA	436325-1-52-01		

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

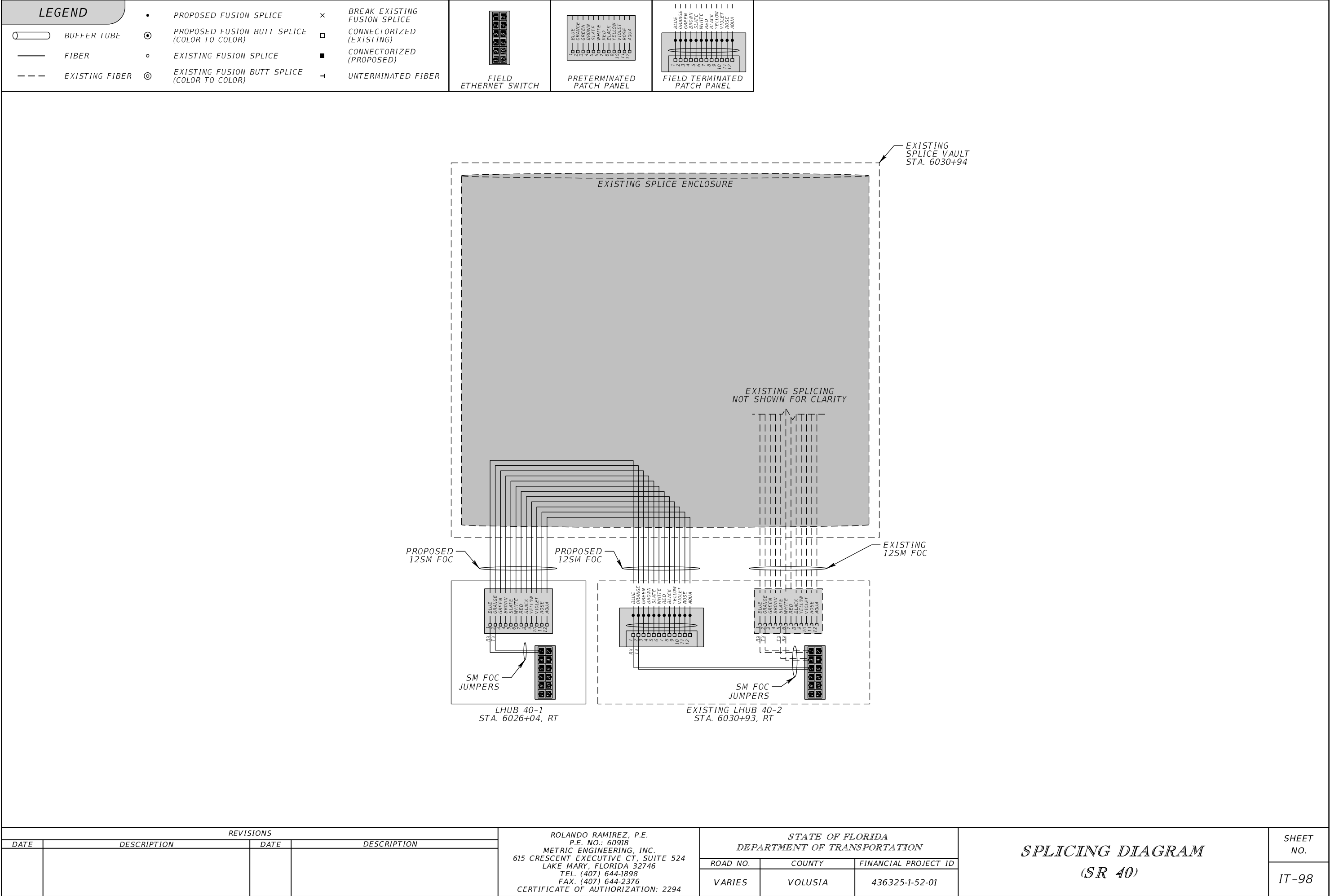




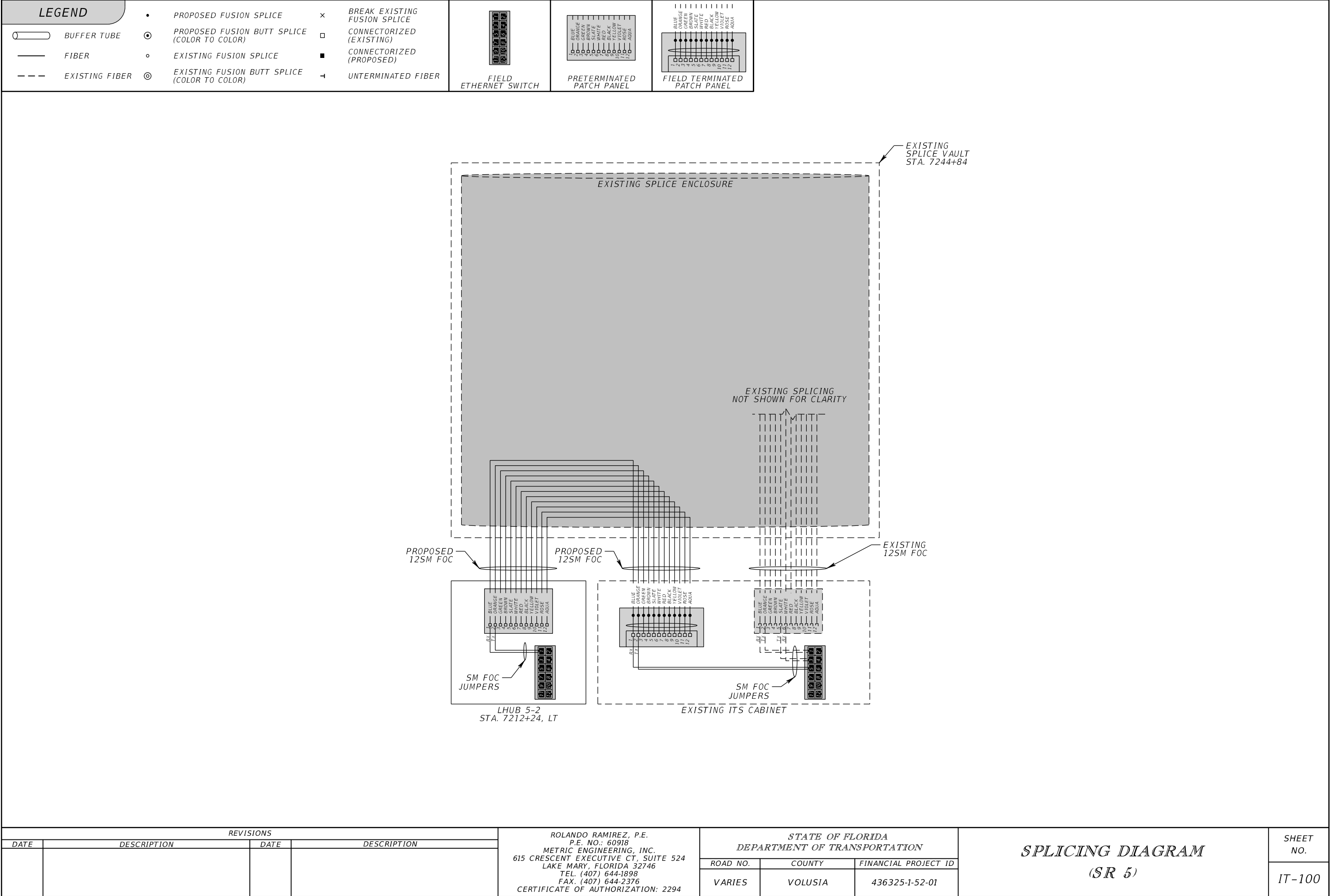






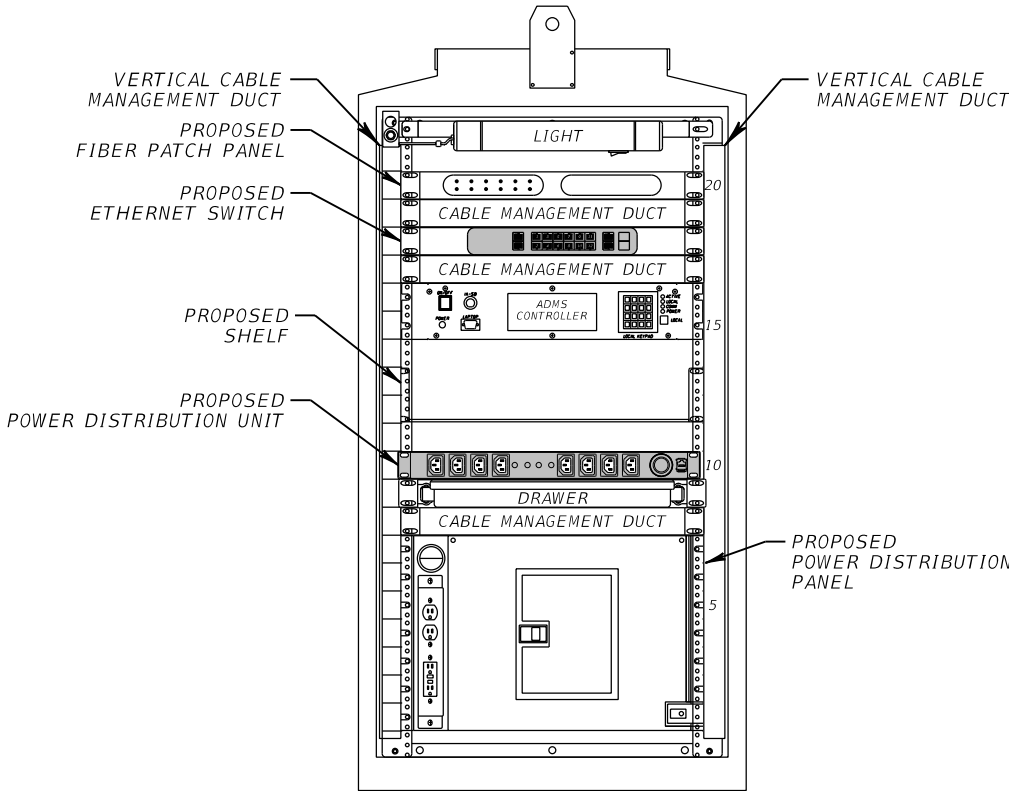




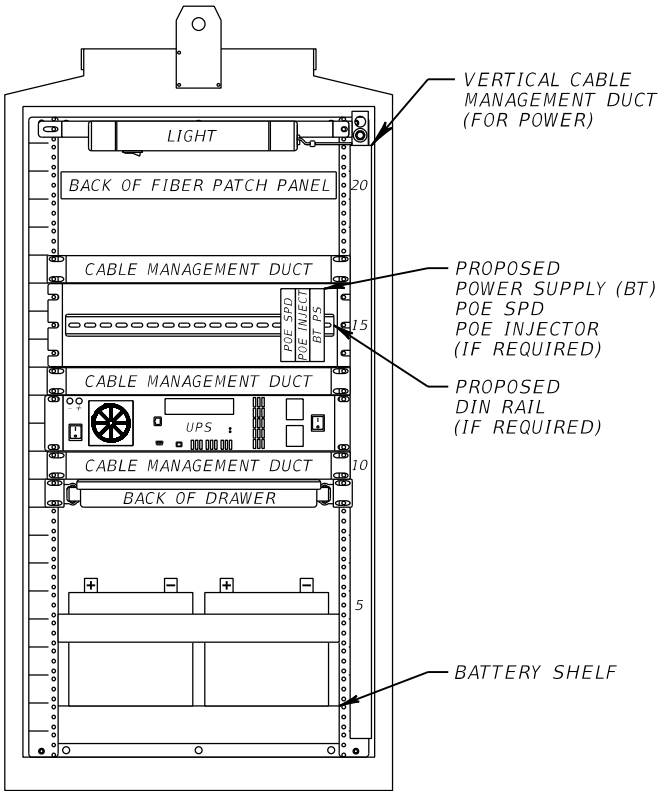




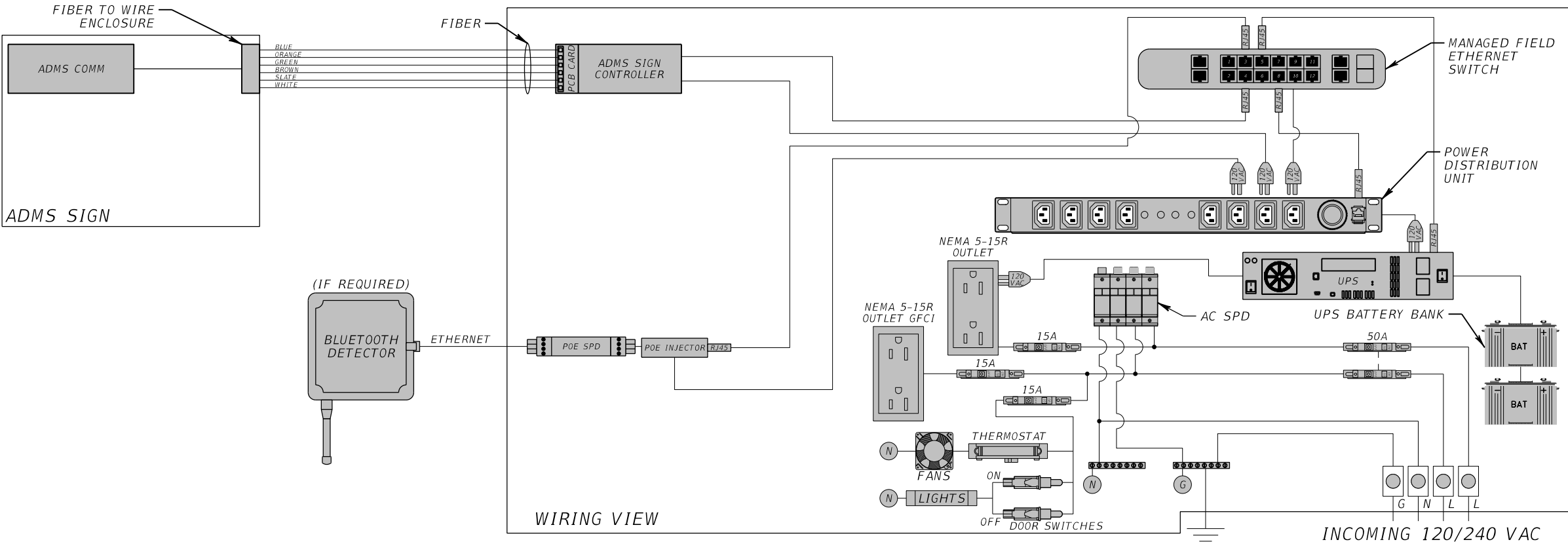
LOCAL HUBS  
400-1, 600-2, 4019-1, 40-1, & 5-2



FRONT



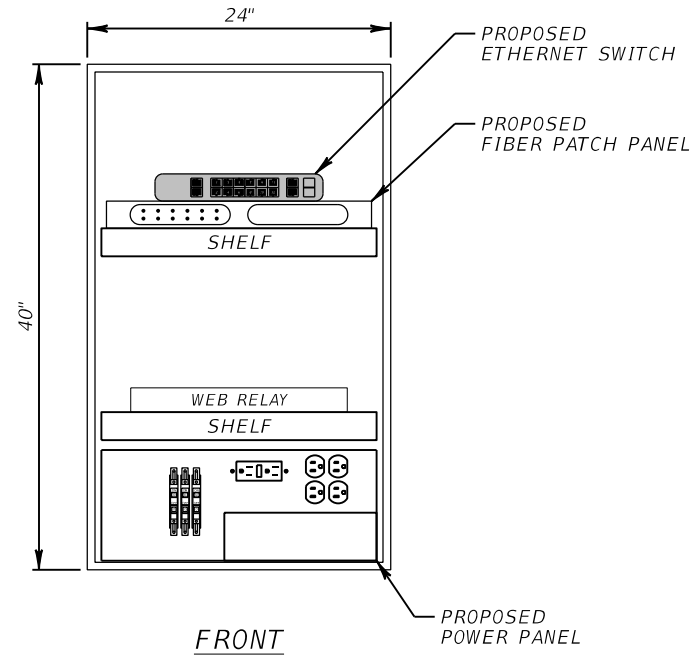
BACK



WIRING VIEW

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CABINET DETAILS/ WIRING DIAGRAMS	SHEET NO.  IT-101
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		

LOCAL HUBS  
400-4, MW-1, MW-2, 600-4, 600-5, 430-1, 430-2,  
483-1, 600-6, 600-8, 4019-2, 4019-3, 4019-4 & 40-3



NUMBER OF SIGNS  
MAY VARY

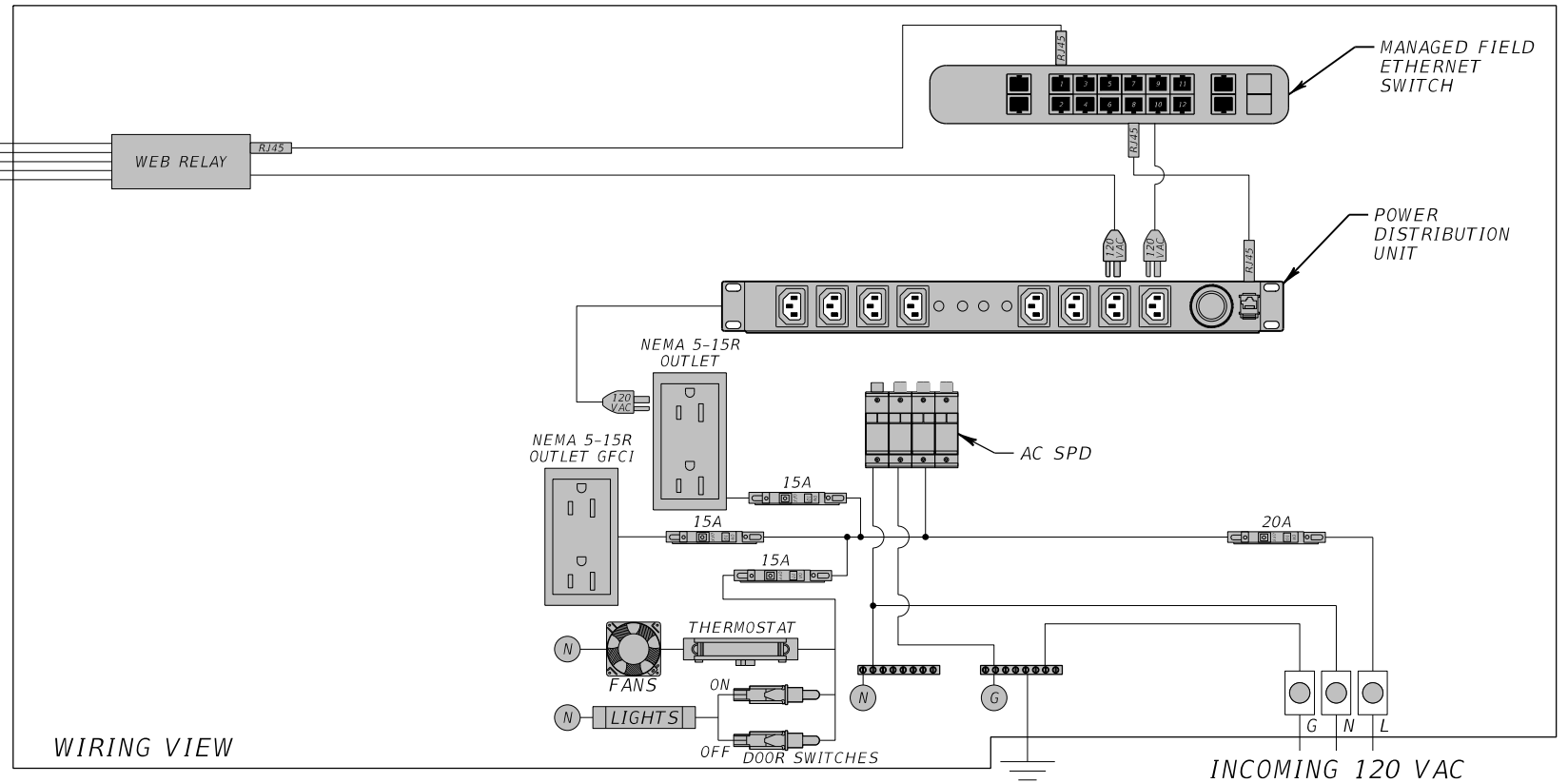
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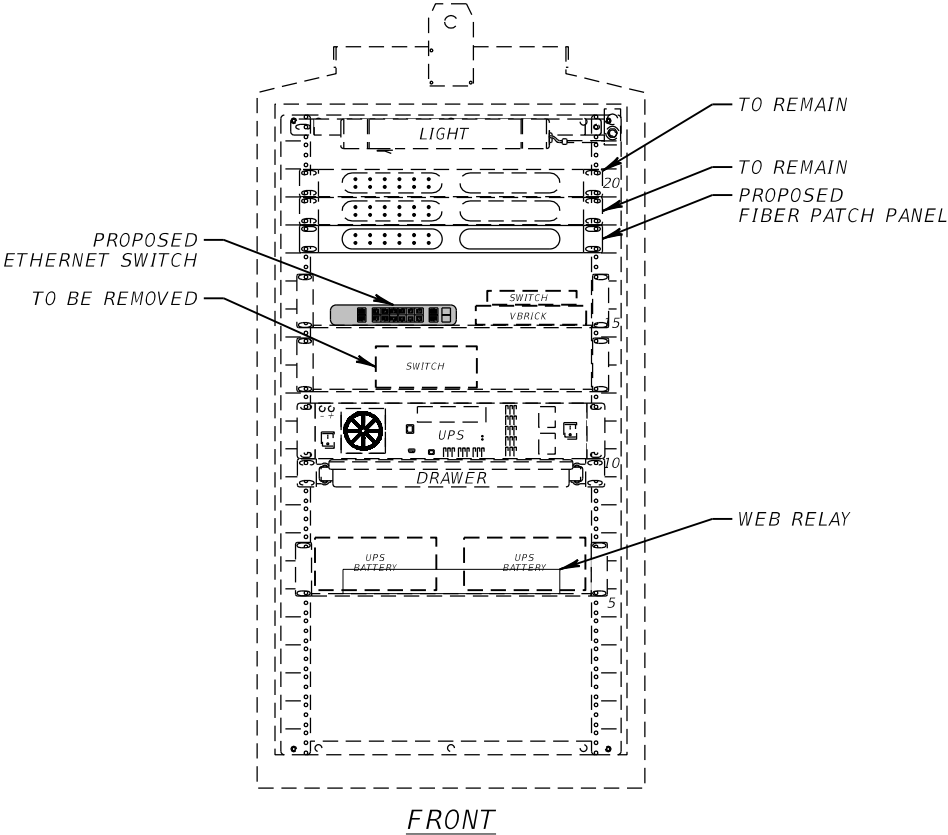
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REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CABINET DETAILS/ WIRING DIAGRAMS	SHEET NO.  IT-102
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		

LOCAL HUBS  
400-2, 400-3, 600-1, 600-7, & 40-2



NUMBER OF SIGNS  
MAY VARY

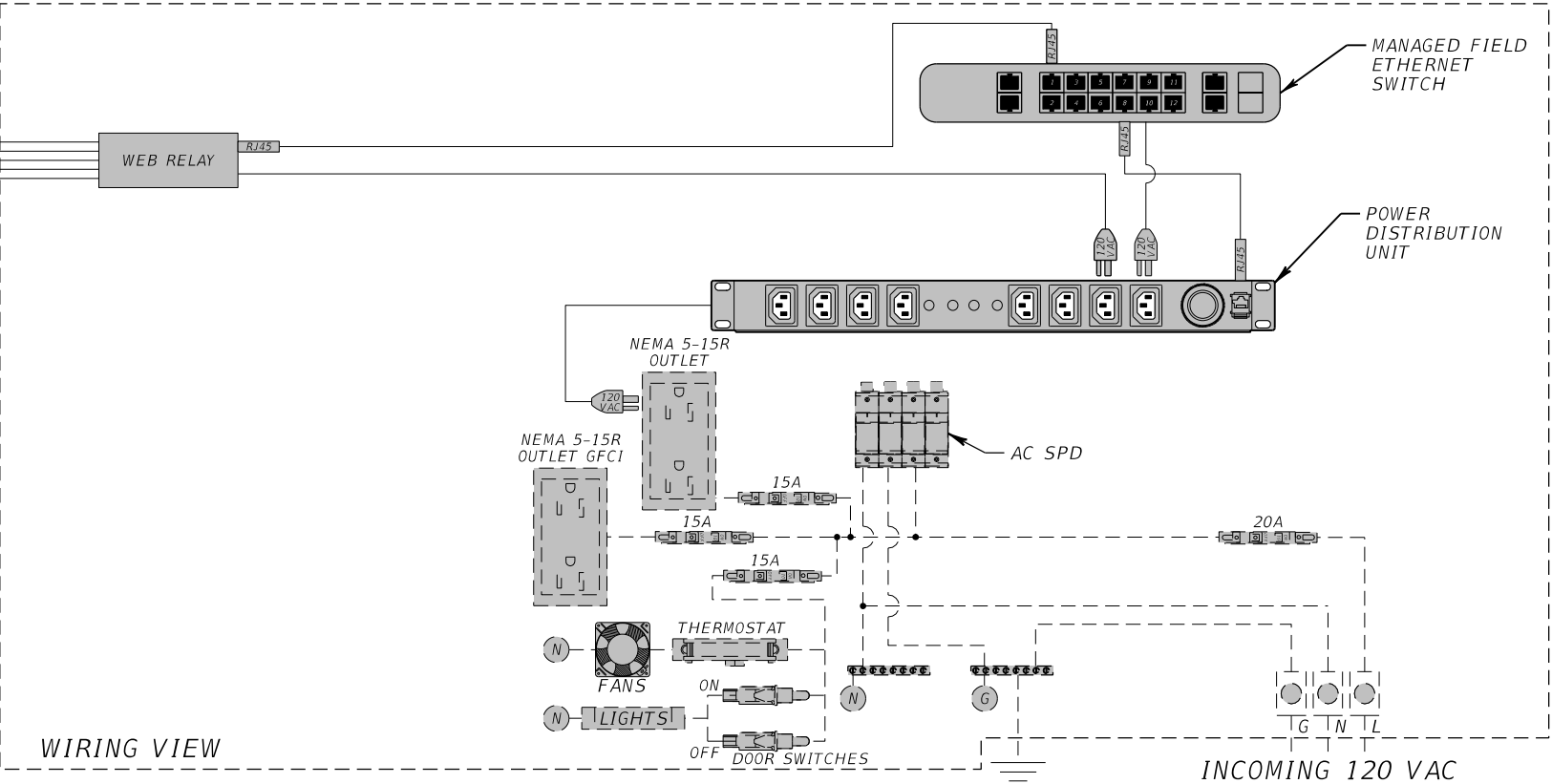
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	VOLUSIA	436325-1-52-01

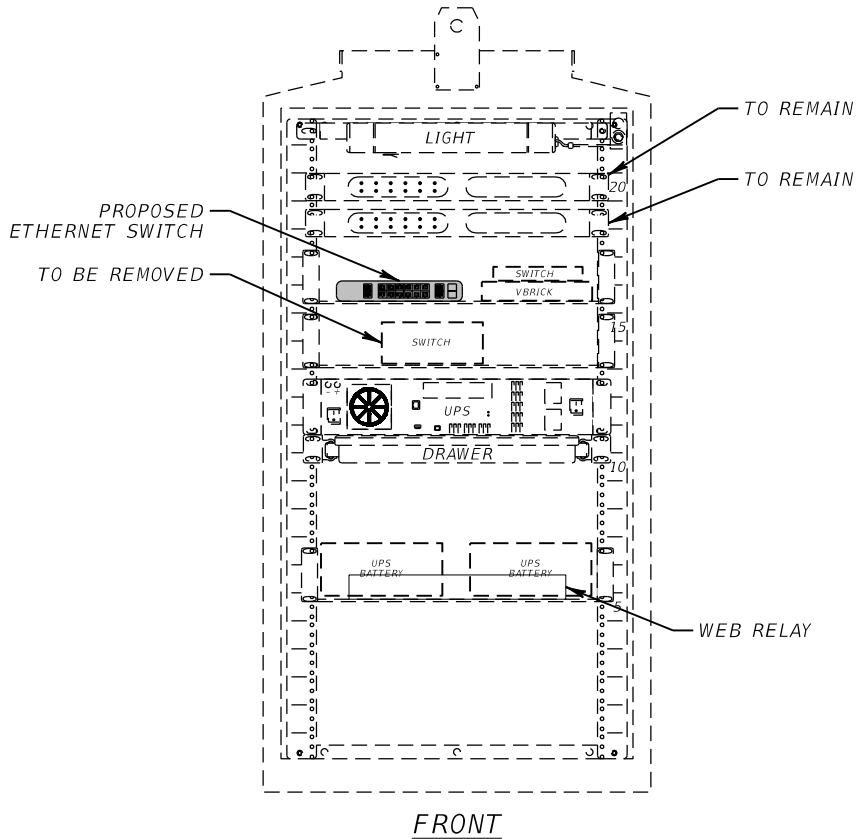
CABINET DETAILS/ WIRING DIAGRAMS	
IT-103	

SHEET NO.
IT-103

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LOCAL HUBS  
600-3, 40-4, & 5-1



NUMBER OF SIGNS  
MAY VARY

BLANK OUT SIGN

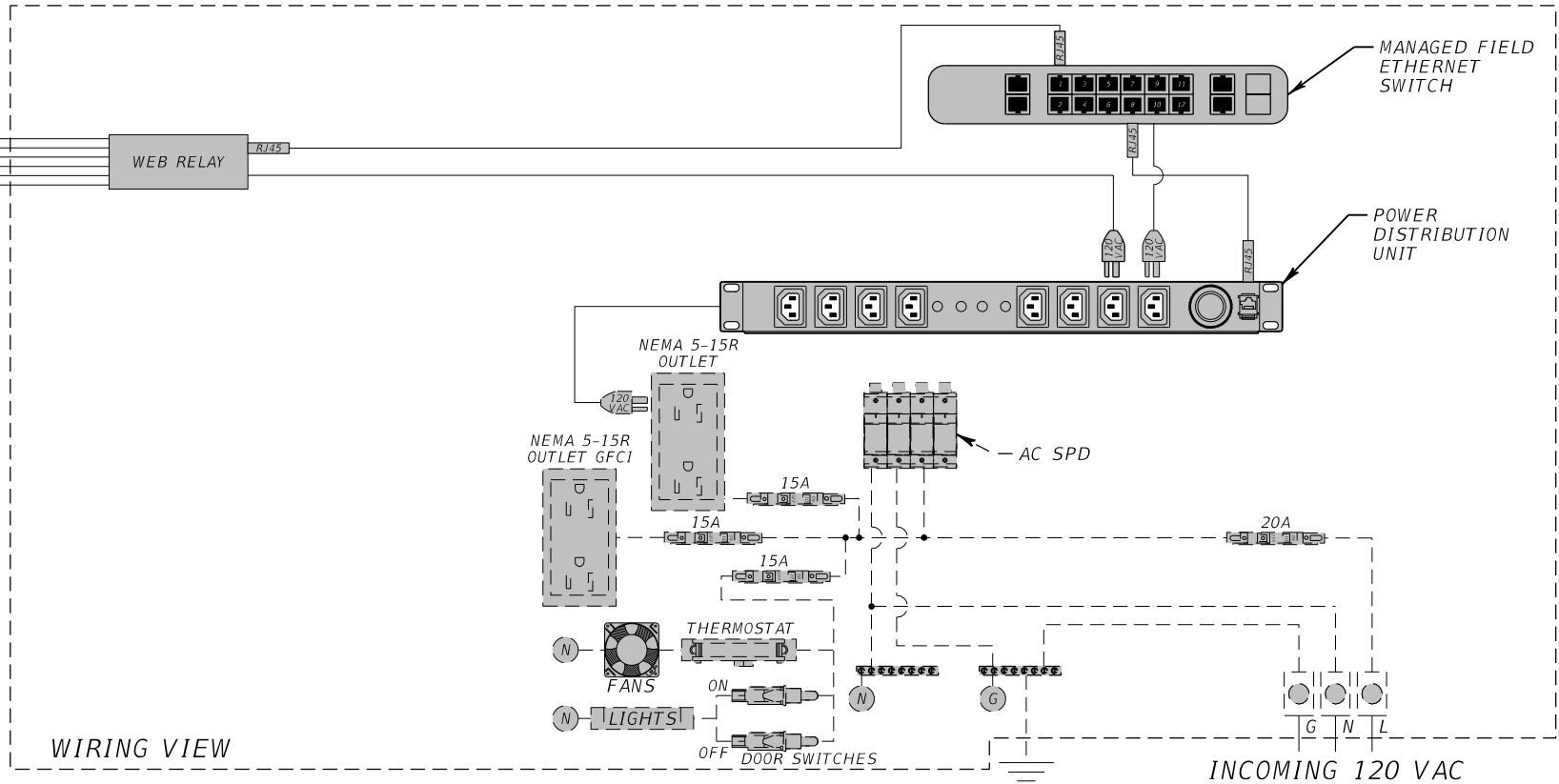
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BLANK OUT SIGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

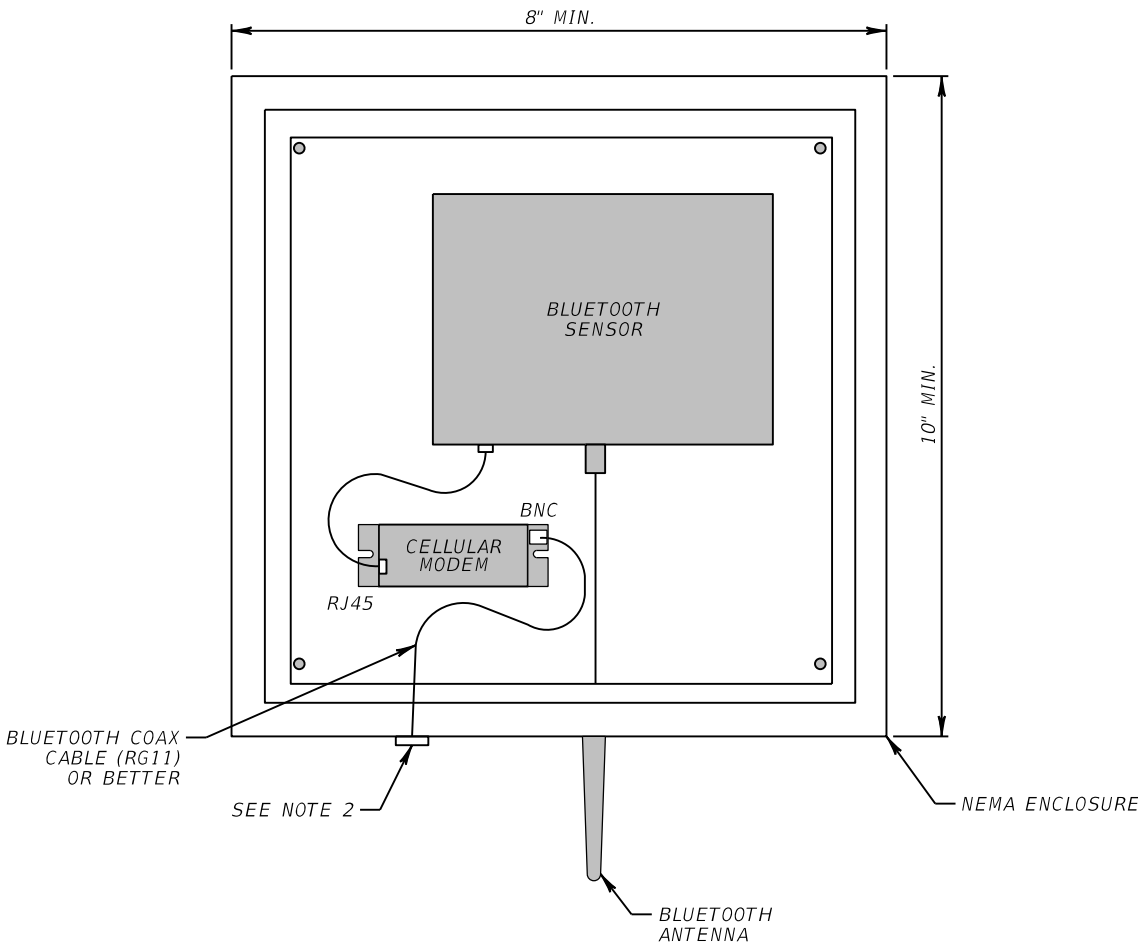
ROLANDO RAMIREZ, P.E.  
P.E. NO.: 60918  
METRIC ENGINEERING, INC.  
615 CRESCENT EXECUTIVE CT, SUITE 524  
LAKE MARY, FLORIDA 32746  
TEL. (407) 644-1898  
FAX. (407) 644-2376  
CERTIFICATE OF AUTHORIZATION: 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
VARIES	VOLUSIA	436325-1-52-01

CABINET DETAILS/ WIRING DIAGRAMS	
IT-104	

SHEET NO.
IT-104

TYPICAL DETAIL  
FOR ALL BLUETOOTH LOCATIONS



BLUETOOTH DETAIL

- NOTES:
- 1. ALL EQUIPMENT NOT SHOWN FOR CLARITY.
  - 2. WIRE ACCESS HOLE SHALL NOT EXCEED 1" IN DIAMETER AND SHALL INCLUDE WATER TIGHT FITTINGS.

REVISIONS				ROLANDO RAMIREZ, P.E. P.E. NO.: 60918 METRIC ENGINEERING, INC. 615 CRESCENT EXECUTIVE CT, SUITE 524 LAKE MARY, FLORIDA 32746 TEL. (407) 644-1898 FAX. (407) 644-2376 CERTIFICATE OF AUTHORIZATION: 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CABINET DETAILS/ WIRING DIAGRAMS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					VARIES	VOLUSIA	436325-1-52-01		
									IT-105