

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 445363-1-52-01

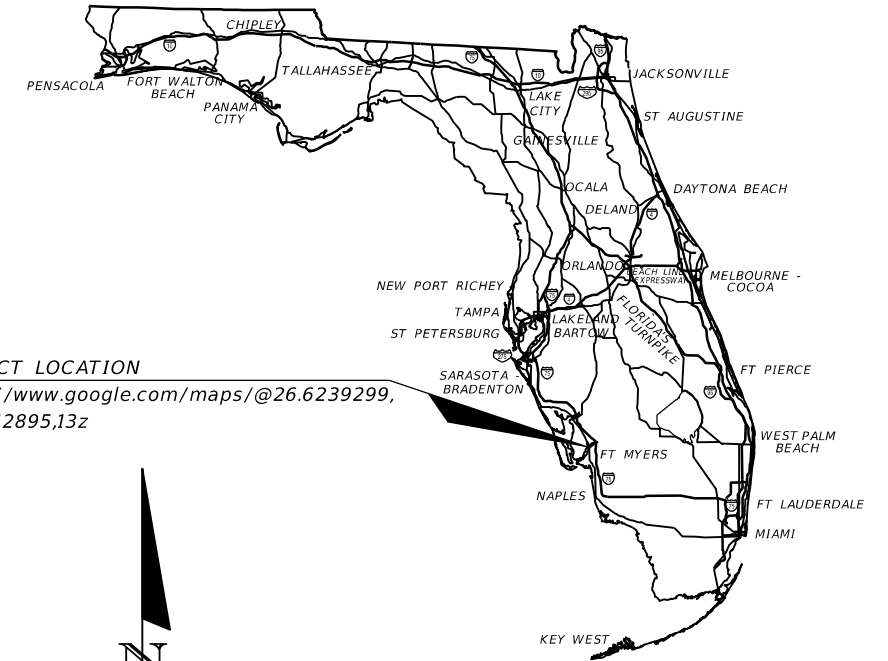
LEE COUNTY (12010)

STATE ROAD NO. 45

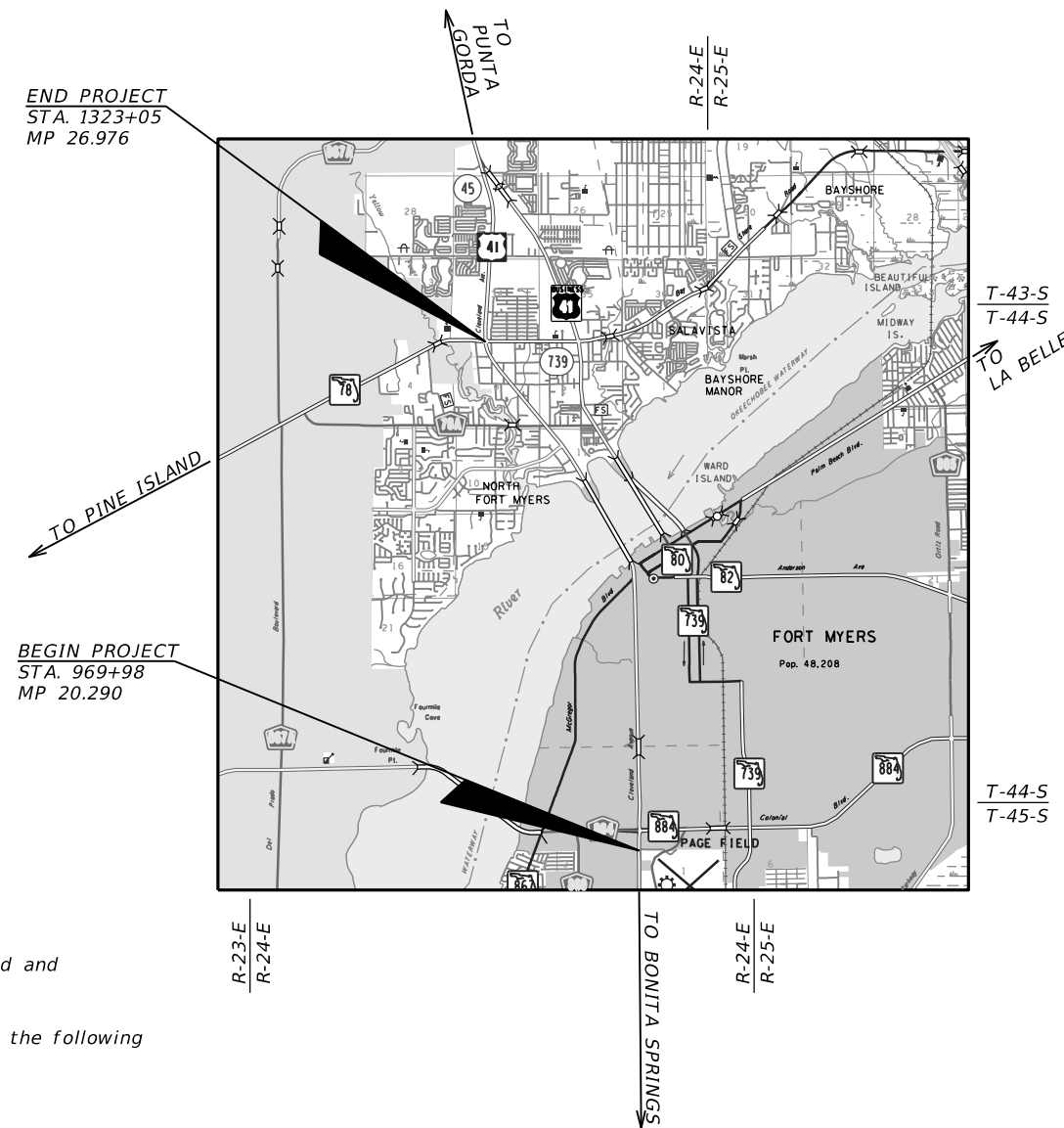
US 41/SR 45 (CLEVELAND AVENUE)

INDEX OF ITS PLANS

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PROJECT LOCATION
<https://www.google.com/maps/@26.6239299,-81.8362895,13z>



ITS PLANS

ENGINEER OF RECORD:

RICARDO GONZALEZ, P.E.
P.E. NO: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224
904-260-1567
CONTRACT NO. CA104
VENDOR NO. F-59-1685550

FDOT PROJECT MANAGER:

TIMOTHY W. SMITH

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

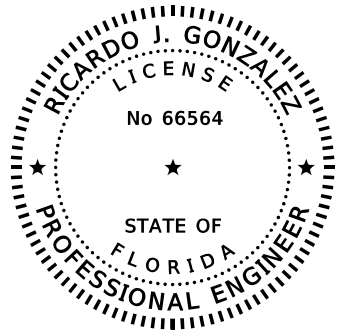
Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2021 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

Lee County Department of Transportation, January 2021 Plan Specifications for Traffic Signal and Street Lighting at the following website: <https://www.leegov.com/dot/traffic/trafficstandard>

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	21	1



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

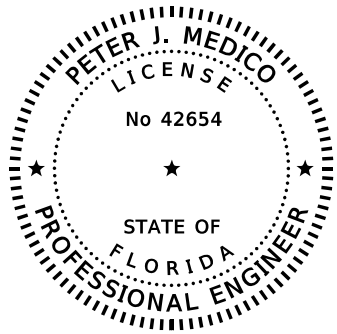
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METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE FLORIDA 32224
RICARDO J GONZALEZ, P.E. NO. 66564

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

INTELLIGENT TRANSPORTATION SYSTEM PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4 - 5	TABULATION OF QUANTITIES
6	SUMMARY OF DEVICES
7	POLE DATA SHEET
8	PROJECT LAYOUT
9 - 10	GENERAL NOTES
11 - 45	ITS PLAN SHEET
46 - 61	ITS MOUNTING DETAILS
62 - 66	CABINET DETAILS
67 - 80	WIRING DIAGRAM
81	GUIDESIGN WORKSHEET
83 - 84	TEMPORARY TRAFFIC CONTROL PLAN
SQ-1 - SQ-3	SUMMARY OF QUANTITIES



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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METRIC ENGINEERING, INC.
525 TECHNOLOGY PARK, SUITE 153
LAKE MARY, FL 32746
PETER J. MEDICO, P.E. NO. 42654

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

TRAFFIC CONTROL PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
82	SPREAD FOOTING DETAILS

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	LEE	445363-1-52-01	

SIGNATURE SHEET

SUMMARY OF ROADWAY					
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
		101-1	MOBILIZATION	LS	1.00
		102-1	MAINTENANCE OF TRAFFIC	LS	1.00
		102-14	TRAFFIC CONTROL OFFICER	HR	4.00
		102-60	WORK ZONE SIGNS	ED	338.00
		102-74-1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	576.00
		102-74-8	CHANNELIZING DEVICE-PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	1302.00
		102-76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	24.00
		110-4-10	REMOVAL OF EXISTING CONCRETE	SY	88.10
		522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	88.10

SUMMARY OF ITS					
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
		630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	255.00
		630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	2263.00
		630-2-14	CONDUIT, F&I, ABOVEGROUND	LF	94.00
		633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	6833.00
		635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA	25.00
		639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	1836.00
		646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	7.00
		660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	4.00
		660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	16.00
		660-4-51	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	7.00
		660-4-52	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	27.00
		670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	25.00
		676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	24.00
		684-8-1	ETHERNET REPEATER, FURNISH AND INSTALL	EA	4.00
		685-2-1	REMOTE POWER MANAGEMENT UNIT-RPMU, FURNISH AND INSTALL	EA	25.00
		695-100-7	CONNECTED VEHICLE LIDAR DETECTOR, INSTALL	EA	22.00
		695-100-8	CONNECTED VEHICLE IVP PROCESSOR, INSTALL	EA	11.00
		695-100-9	WEB-RELAY, INSTALL	EA	2.00
		700-6-12	HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, 12-20 SF	AS	4.00
		920-681-4	VEHICLE DETECTION SYSTEM - AVI, RSU, INSTALL	EA	25.00

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		3

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		REF. SHEET
			11		12		13		14		15		16		17		18		19		20		PLAN	FINAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY												5.5				5.5				11		22	
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	5				6							5				5				64		85	
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF			117		310							155		653							1235		
630-2-14	CONDUIT, F&I, ABOVEGROUND	LF	24		2		24					2						2				4		58	
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	50		162		374		93		174		45		214		188		172		181		1653		
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA	1				3						1				1				6		12		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF											170		750		38						958		
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA																							
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA																							
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA																							
660-4-51	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA															1						1		
660-4-52	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA														3							3		
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1		1		1		1		2		1				1				2		10		
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA			1		1				1						1				2		6		
684-8-1	ETHERNET REPEATER, FURNISH AND INSTALL	EA					1																1		
685-2-1	REMOTE POWER MANAGEMENT UNIT-RPMU, FURNISH AND INSTALL	EA	1		1		1		1		2		1				1				2		10		
695-100-7	CONNECTED VEHICLE LIDAR DETECTOR, INSTALL	EA															2						2		
695-100-8	CONNECTED VEHICLE IVP PROCESSOR, INSTALL	EA															1						1		
695-100-9	WEB-RELAY, INSTALL	EA															1						1		
700-6-12	HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, 12-20 SF	AS											1								1		2		
920-681-4	VEHICLE DETECTION SYSTEM - AVI, RSU, INSTALL	EA	1		1		1		1		2		1				1				2		10		

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		REF. SHEET
			21		22		23		24		25		26		27		28		29		30		PLAN	FINAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY												5.3				14.5				21.6		41.4	
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF												10				16				35		61	
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF																		120			120		
630-2-14	CONDUIT, F&I, ABOVEGROUND	LF			2						4		2				4				4		16		
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	186		184		55		278		166		272		313		162		322		135		2073		
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA											2								1		3		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																	120		15		135		
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA															2				2		4		
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA																							
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA																							
660-4-51	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA			1					1						1					1		4		
660-4-52	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	4						4						4				4				16		
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS			1		1				1						2				1		6		
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA			1						2		1				2				2		8		
684-8-1	ETHERNET REPEATER, FURNISH AND INSTALL	EA																							
685-2-1	REMOTE POWER MANAGEMENT UNIT-RPMU, FURNISH AND INSTALL	EA			1		1				1						2				1		6		
695-100-7	CONNECTED VEHICLE LIDAR DETECTOR, INSTALL	EA			2						2						2				2		8		
695-100-8	CONNECTED VEHICLE IVP PROCESSOR, INSTALL	EA			1						1						1				1		4		
695-100-9	WEB-RELAY, INSTALL	EA																							
700-6-12	HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, 12-20 SF	AS																			1		1		
920-681-4	VEHICLE DETECTION SYSTEM - AVI, RSU, INSTALL	EA			1		1				1		1				1				1		6		

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		

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

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		REF. SHEET
			31		32		33		34		35		36		37		38		39		40		PLAN	FINAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY			16.9				5.4		2.4												25		
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF			40				4		29					16				20			109		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	696												212								908		
630-2-14	CONDUIT, F&I, ABOVEGROUND	LF			4				4		2				2				2				14		
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	102		177		366		157		133		58		267		167		176		302		1905		
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA			2				1		3				3				1				10		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	696		47																		743		
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA			2				1														3		
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA																1			1		2		
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA														4					4		8		
660-4-51	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA			1				1														2		
660-4-52	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	4				4																8		
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS			1				1		1		1		1				1		1		7		
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA			2				2		1				1				1				7		
684-8-1	ETHERNET REPEATER, FURNISH AND INSTALL	EA																							
685-2-1	REMOTE POWER MANAGEMENT UNIT-RPMU, FURNISH AND INSTALL	EA			1				1		1		1		1				1		1		7		
695-100-7	CONNECTED VEHICLE LIDAR DETECTOR, INSTALL	EA			2				2										2				6		
695-100-8	CONNECTED VEHICLE IVP PROCESSOR, INSTALL	EA			1				1										1		1		4		
695-100-9	WEB-RELAY, INSTALL	EA			1																		1		
700-6-12	HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, 12-20 SF	AS			1																		1		
920-681-4	VEHICLE DETECTION SYSTEM - AVI, RSU, INSTALL	EA			1				1		1		1		1				1				6		

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL SHEET		REF. SHEET
			41		42		43		44		45										PLAN	FINAL					
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY																					88.1				
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF																					255.0				
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF																					2263.0				
630-2-14	CONDUIT, F&I, ABOVEGROUND	LF	2				2				2								6				94.0				
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	104		477		125		375		121								1202				6833.0				
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA																					25.0				
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																					1836.0				
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA																					7.0				
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA					1				1								2				4.0				
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA			4				4										8				16.0				
660-4-51	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA																					7.0				
660-4-52	VEHICLE DETECTION SYSTEM - VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA																					27.0				
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS					1				1								2				25.0				
676-3-10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	1				1				1								3				24.0				
684-8-1	ETHERNET REPEATER, FURNISH AND INSTALL	EA	1				1				1								3				4.0				
685-2-1	REMOTE POWER MANAGEMENT UNIT-RPMU, FURNISH AND INSTALL	EA					1				1								2				25.0				
695-100-7	CONNECTED VEHICLE LIDAR DETECTOR, INSTALL	EA	2				2				2								6				22.0				
695-100-8	CONNECTED VEHICLE IVP PROCESSOR, INSTALL	EA					1				1								2				11.0				
695-100-9	WEB-RELAY, INSTALL	EA																					2.0				
700-6-12	HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, 12-20 SF	AS																					4.0				
920-681-4	VEHICLE DETECTION SYSTEM - AVI, RSU, INSTALL	EA	1				1				1								3				25.0				

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		

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

ROAD SIDE UNIT DEVICE SUMMARY					
	ROAD SIDE UNIT	STATION	SIGNAL CABINET	STRUCTURE TYPE	ITS PLAN SHEET
1	RSU 41-MM 20.3 SB	969+98, LT	100181	EXISTING STRAIN POLE	11
2	RSU 41-MM 20.5 SB	981+44, LT	100165	EXISTING CONCRETE POLE	12
3	RSU 41-MM 20.9 NB	1002+62, RT	SIGNAL CABINET @ COURTNEY DR	EXISTING STRAIN POLE	13
4	RSU 41-MM 21.1 NB	1010+36, RT	100162	EXISTING MASTARM	14
5	RSU 41-MM 21.2 SB	1019+46, LT	1530	EXISTING MASTARM	15
6	RSU 41-MM 21.3 NB	1022+98, RT	290	EXISTING MASTARM	15
7	RSU 41-MM 21.4 NB	1030+02, RT	291	EXISTING STRAIN POLE	16
8	RSU 41-MM 21.6 NB	1037+11, RT	292	EXISTING MASTARM	17/18
9	RSU 41-MM 21.8 SB	1047+82, LT	1527	EXISTING MASTARM	19/20
10	RSU 41-MM 21.9 SB	1053+20, LT	1526	EXISTING MASTARM	19/20
11	RSU 41-MM 22.0 NB	1060+24, RT	293	EXISTING MASTARM	21/22
12	RSU 41-MM 22.2 SB	1069+86, LT	1525	EXISTING MASTARM	23
13	RSU 41-MM 22.3 NB	1075+64, RT	294	EXISTING MASTARM	24
14	RSU 41-MM 22.4 SB	1080+13, RT	SIGNAL CABINET @ MID-BLOCK CROSSING	EXISTING MASTARM	26
15	RSU 41-MM 22.5 SB	1084+43, LT	1505	PROPOSED ALUMINUM POLE	27/28
16	RSU 41-MM 22.7 SB	1096+48, LT	1506	PROPOSED ALUMINUM POLE	29/30
17	RSU 41-MM 22.8 SB	1101+85, LT	295	PROPOSED ALUMINUM POLE	31/32
18	RSU 41-MM 23.0 SB	1114+37, LT	296	PROPOSED ALUMINUM POLE	33/34
19	RSU 41-MM 23.2 SB	1121+23, LT	1523	EXISTING MASTARM	35
20	RSU 41-MM 23.3 SB	1128+48, LT	297	EXISTING MASTARM	36
21	RSU 41-MM 23.6 SB	1142+34, LT	SIGNAL CABINET @ SR 82	EXISTING MASTARM	37
22	RSU 41-MM 25.0 SB	1220+89, LT	SIGNAL CABINET @ KEY DR	EXISTING MASTARM	38/39
23	RSU 41-MM 25.4 SB	1237+81, LT	115128	EXISTING MASTARM	40/41
24	RSU 41-MM 25.7 NB	1255+39, RT	SIGNAL CABINET @ PONDELLA RD	EXISTING MASTARM	42/43
25	RSU 41-MM 27.0 SB	1320+75, LT	SIGNAL CABINET @ PINE ISLAND RD	EXISTING MASTARM	44/45

LIDAR DEVICE SUMMARY					
	LIDAR DEVICE	STATION	SIGNAL CABINET	STRUCTURE TYPE	ITS PLAN SHEET
1	LIDAR 41-MM 21.6 SB	1035+88, LT	292	EXISTING MASTARM	17/18
2	LIDAR 41-MM 21.6 NB	1037+11, RT	292	EXISTING MASTARM	17/18
3	LIDAR 41-MM 22.0 SB	1059+23, LT	293	EXISTING MASTARM	21/22
4	LIDAR 41-MM 22.0 NB	1060+24, RT	293	EXISTING MASTARM	21/22
5	LIDAR 41-MM 22.3 NB	1075+64, RT	294	EXISTING MASTARM	24/25
6	LIDAR 41-MM 22.3 SB	1076+29, LT	294	EXISTING MASTARM	24/25
7	LIDAR 41-MM 22.5 SB	1084+43, LT	1505	PROPOSED ALUMINUM POLE	27/28
8	LIDAR 41-MM 22.5 NB	1084+44, RT	1505	PROPOSED ALUMINUM POLE	27/28
9	LIDAR 41-MM 22.7 NB	1095+64, RT	1506	PROPOSED ALUMINUM POLE	29/30
10	LIDAR 41-MM 22.7 SB	1096+48, LT	1506	PROPOSED ALUMINUM POLE	29/30
11	LIDAR 41-MM 22.8 SB	1101+85, LT	295	PROPOSED ALUMINUM POLE	31/32
12	LIDAR 41-MM 22.8 NB	1102+03, RT	295	PROPOSED ALUMINUM POLE	31/32
13	LIDAR 41-MM 23.0 SB	1114+37, LT	296	PROPOSED ALUMINUM POLE	33/34
14	LIDAR 41-MM 23.0 NB	1116+41, RT	296	EXISTING MASTARM	33/34
15	LIDAR 41-MM 25.0 NB	1221+07, RT	SIGNAL CABINET @ KEY DR	EXISTING MASTARM	38/39
16	LIDAR 41-MM 25.0 SB	1220+89, LT	SIGNAL CABINET @ KEY DR	EXISTING MASTARM	38/39
17	LIDAR 41-MM 25.4 NB	1239+70, RT	SIGNAL CABINET @ HANCOCK BRIDGE PKWY	EXISTING MASTARM	40/41
18	LIDAR 41-MM 25.4 SB	1237+81, LT	SIGNAL CABINET @ HANCOCK BRIDGE PKWY	EXISTING MASTARM	40/41
19	LIDAR 41-MM 25.7 NB	1255+39, RT	SIGNAL CABINET @ PONDELLA RD	EXISTING MASTARM	42/43
20	LIDAR 41-MM 25.7 SB	1254+10, LT	SIGNAL CABINET @ PONDELLA RD	EXISTING MASTARM	42/43
21	LIDAR 41-MM 27.0 NB	1322+71, RT	SIGNAL CABINET @ PINE ISLAND RD	EXISTING MASTARM	44/45
22	LIDAR 41-MM 27.0 SB	1320+75, LT	SIGNAL CABINET @ PINE ISLAND RD	EXISTING MASTARM	44/45

PEDESTRIAN WARNING SIGN DEVICE SUMMARY					
	LIDAR DEVICE	STATION	SIGNAL CABINET	STRUCTURE TYPE	ITS PLAN SHEET
1	PWS 41 -MM 21.5 NB	1032+26, RT	292	PROPOSED ALUMINUM POLE	16
2	PWS 41 -MM 21.7 SB	1040+34, LT	292	PROPOSED ALUMINUM POLE	17/18
3	PWS 41 -MM 22.7 NB	1098+37, RT	295	PROPOSED ALUMINUM POLE	29/30
4	PWS 41 -MM 22.8 SB	1106+22, LT	295	PROPOSED ALUMINUM POLE	31/32

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. SUMMARY OF DEVICES 6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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POLE DATA						
	DEVICES	STATION	PLAN SHEET	ABOVE GROUND HEIGHT (FT)	OFFSET EOTL (FT) TO CENTER OF POLE	DEVICE MOUNTING HEIGHT (ABOVE GRADE)
1	PWS 41-MM 21.5 NB	1032+26, RT	16	15'	4.5' FROM FOC	12'
2	PWS 41-MM 21.7 SB	1040+34, LT	17	15'	4.5' FROM FOC	12'
3	RSU & LIDAR 41-MM 22.5 SB	1084+43, LT	27/28	24'	4.5' FROM FOC	18'
4	LIDAR 41-MM 22.5 NB	1084+44, RT	27	24'	4.5' FROM FOC	18'
5	LIDAR 41-MM 22.7 NB	1095+64, RT	29	24'	4.5' FROM FOC	18'
6	RSU & LIDAR 41-MM 22.7 SB	1096+48, LT	29/30	24'	4.5' FROM FOC	18'
7	PWS 41-MM 22.7 NB	1098+37, RT	29/30	15'	4.5' FROM FOC	12'
8	RSU & LIDAR 41-MM 22.8 SB	1101+85, LT	31/32	24'	4.5' FROM FOC	18'
9	LIDAR 41-MM 22.8 NB	1102+09, RT	31/32	24'	8.5' FROM FOC	18'
10	PWS 41-MM 22.8 SB	1106+22, LT	31/32	15'	4.5' FROM FOC	12'
11	RSU & LIDAR 41-MM 23.0 SB	1114+37, LT	33/34	24'	4.5' FROM FOC	18'

FOC: FACE OF CURB

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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PROJECT LAYOUT

SHEET NO.
8

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

GENERAL NOTES:

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.
2. BASELINE ON US 41 SHOWN ON THE PLANS ARE NOT SURVEYED AND ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.
3. THE RIGHT OF WAY DESIGNATIONS SHOWN ON THE PLANS ARE NOT TIED TO A SURVEYED CENTERLINE AND AS SUCH ARE APPROXIMATE.
4. WHERE CONCRETE POLES FOUNDATIONS ARE PROPOSED WITHIN 4 FEET OF ANY UNDERGROUND UTILITY, THE UTILITY SHALL BE LOCATED AND PROTECTED AND THE INITIAL 4 FEET OF THE SHAFT INSTALLATION SHALL BE HAND DUG.
5. CONTACT ROBERT PRICE, P.E. AT (239) 533-9532 PRIOR TO BEGINNING DEVICE INSTALLATION ON TRAFFIC SIGNAL.

MAINTAINING AGENCY: LEE COUNTY.
6. PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY.
7. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIAISON:

GERALD BYRNE
FDOT, FORT MYERS OPERATIONS CENTER
2981 N. E. PINE ISLAND ROAD
CAPE CORAL, FL. 33909
PH: 239-656-7851
8. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN POINTS HAVE NOT BEEN VERIFIED.
9. COORDINATE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS (NPDES) DEWATERING THROUGH THE PROJECT ENGINEER, DISTRICT CONTAMINATION IMPACT COORDINATOR, AND CONTAMINATION ASSESSMENT & REMEDIATION CONTRACTOR TO ENSURE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND WATER MANAGEMENT DISTRICT COMPLIANCE. SEE CONTAMINATION MEMORANDUM.

PAY ITEM NOTES

- 635-2-11:
PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES SHALL BE PLACED A MINIMUM OF 7' FROM THE EDGE OF PAVEMENT.
PULL BOXES AND PULL BOX COVERS SHALL BE CONSTRUCTED OF POLYMER CONCRETE. THE STANDARD PULL BOX SIZE IS 17" X 30" AND SHALL HAVE A COVER MARKED "TRAFFIC SIGNAL". PULL BOXES UTILIZED FOR FIBER OPTIC COMMUNICATION SHALL BE 24" X 36" AND SHALL HAVE A COVER MARKED "FIBER OPTIC".
- 660-4-1X:
INCLUDES REMOVAL OF EXISTING VIDEO DETECTOR, VIDEO PROCESSOR, AND VIDEO CABLE.
- 670-5-400:
INCLUDES RELOCATION OF EXISTING EQUIPMENT TO MAKE ROOM FOR THE INSTALLATION OF NEW DEVICES AND ANY ADDITIONAL RACKS, HARNESSSES, ETC. REQUIRED FOR THIS INSTALLATION.
- 676-3-10
MAXIMUM CABINET WIDTH IS 1 FOOT.
- 684-8-1:
INCLUDES CABINET AND FIELD REPEATER UNITS.
- 685-2-1:
INCLUDES THE REMOVAL OF THE EXISTING RPMU.
- 695-100-7:
INCLUDES FURNISH AND INSTALL ALL NECESSARY HARDWARE (STRAPS, MOUNTING ARM, CONDUIT BODY, MOUNTING BRACKET) FOR A COMPLETE AND ACCEPTED INSTALLATION.
- 920-681-4:
INCLUDES FURNISH AND INSTALL ALL NECESSARY HARDWARE (STRAPS, MOUNTING ARM, CONDUIT BODY, MOUNTING BRACKET) FOR A COMPLETE AND ACCEPTED INSTALLATION.

UTILITY / AGENCY OWNERS:

RICK PARKER
LEE COUNTY BOCC (FIBER)
3434 HANCOCK BRIDGE PKWY.
FORT MYERS, FL 33903
PH: 239-823-1524
RPARKER2@LEEGOV.COM

CRAIG CLARK
CENTURYLINK
2820 CARGO ST (BUILDING A)
FORT MYERS, FL 33916
PH: 239-336-2003
CELL: 252-622-9415
CRAIG.CLARK@LUMEN.COM

MIKE FITZGERALD
CENTURYLINK (FKA QWEST)
5908-A HAMPTON OAKS PKWY
TAMPA, FL 33610
PH: 813-630-2605
CELL: 941-661-7557
MIKE.FITZGERALD@QWEST.COM

NICOLE MONAHAN
CITY OF FORT MYERS
2200 SECOND STREET
FORT MYERS, FL 33902
PH: 239-321-7459
CELL: 239-910-2295
NMONAHAN@CITYFTMYERS.COM

MIKE REBER
SUMMIT BROADBAND
24017 PRODUCTION CIR.
BONITA SPRINGS, FL 34135
PH: 239-444-0032
CELL: 239-631-9251
MREBER@SUMMIT-BROADBAND.COM

MICHAEL NUNEZ
LEVEL 3 COMMUNICATIONS
1025 ELDORADO BLVD.
BROOMFIELD, CO 80021
PH: 720-888-0916
MICHAEL.NUNEZ@LEVEL3.COM

MIKE PADGETT
LEE COUNTY SIGNAL DEPT.
5650 ENTERPRISE PKWY.
FORT MYERS, FL 33905
PH: 239-533-9500
MPADGETT@LEEGOV.COM

CHUCK FERGUSON
CROWN CASTLE
13721 JETPORT COMMERCE PKWY, SUITE 1
FORT MYERS, FL 33913
PH: 570-872-6637
CHUCK.FERGUSON@CROWNCastle.COM

STEVEN MASON OF FIBER SOLUTIONS FOR
LEE MEMORIAL HEALTH SYSTEM
12120 METRO PARKWAY
FORT MYERS, FL 33966
PH: 239-834-9916
STEVEN@FIBER-SOLUTIONS.COM

MARK COOK
COMCAST
12600 WEST LINKS DR UNIT 4
FORT MYERS, FL 33913
PH: 239-432-1805
MARK_COOK@CABLE.COMCAST.COM

JOHN TRUDEL
FIBERNET DIRECT
PH: 954-410-3505
JOHN.TRUDEL@FIBERNETDIRECT.COM

JUAN CRUZ
FPL DISTRIBUTION
15824 WINKLER RD
MYERS BEACH, FL 33908
PH: 941-220-9266
JUAN.CRUZ@FPL.COM

DALIANA AMADOR
FPL TRANSMISSION
700 UNIVERSE BLVD DEPT TS4/JW
JUNO BEACH, FL 33408
PH: 561-904-3562
DALIANA.AMADOR@FPL.COM

KEN E. SMITH
TECO PEOPLES GAS
8416 PALM RIVER ROAD
TAMPA, FL 33619
PH: 813-275-3783
KESMITH@TECOENERGY.COM

DAVID REYCRAFT
LEE COUNTY UTILITIES
1500 MONROE ST.
FORT MYERS, FL 33901
PH: 239-533-8150
DREYCRAFT@LEEGOV.COM

TOM BAILEY
LEE COUNTY ELECTRIC COOPERATIVE (LCEC)
4941 BAYLINE DRIVE
NORTH FORT MYERS, FL 33917
PH: 800-599-2356
TOM.BAILEY@LECE.NET

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
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LEGEND:

	PROPOSED DIRECTIONAL BORE CONDUIT		EXISTING LIGHT POLE
	PROPOSED TRENCH CONDUIT		EXISTING SIGNAL MAST ARM
	PROPOSED COMMUNICATION CABLE ATTACHED TO MESSENGER WIRE		
	EXISTING CONDUIT TO REMAIN		
	EXISTING CONDUIT TO BE REUSED		
	EXISTING RIGHT-OF-WAY		
	EXISTING WETLAND/SURFACE WATER		
	EXISTING ITS BASE MOUNT CABINET		
	PROPOSED SQUARE ITS POLE		
	EXISTING SQUARE ITS POLE		
	EXISTING ROUND ITS POLE		
	PROPOSED ALUMINUM ITS POLE		
	EXISTING FIBER OPTIC PULL BOX		
	PROPOSED PULL BOX		
	EXISTING PULL BOX		
	PROPOSED ROAD SIDE UNIT		
	EXISTING VIDEO DETECTION		
	PROPOSED VIDEO DETECTION		
	PROPOSED LIDAR DEVICE		
	EXISTING BLUETOOTH DEVICE		
	PROPOSED MICROWAVE VEHICLE DETECTION SYSTEM		
	EXISTING MICROWAVE VEHICLE DETECTION SYSTEM		
	EXISTING CLOSED CAPTION TELEVISION		
	EXISTING SINGLE POST SIGN		
	PROPOSED PEDESTRIAN WARNING SIGN		
	UTILITY POLE		
	EXISTING SIGNAL STRAIN POLE		
	PROPOSED VIDEO DETECTION		

ABBREVIATIONS:

AWG = AMERICAN WIRE GAUGE
 BFOC = BURIED FIBER OPTIC CABLE
 BE = BURIED ELECTRIC
 CCTV = CLOSED CIRCUIT TELEVISION
 COMM = COMMUNICATION
 COMP = COMPOSITE
 EOTL = EDGE OF TRAVEL LANE
 EPB = ELECTRICAL PULL BOX
 EXIST = EXISTING
 FFOC = FRONT FACE OF CURB
 FOC = FIBER OPTIC CABLE
 FOPB = FIBER OPTIC PULL BOX
 FOSV = FIBER OPTIC SPLICE VAULT
 GND = GROUND
 HDPE = HIGH DENSITY POLYETHYLENE
 ITS = INTELLIGENT TRANSPORTATION SYSTEM
 IVP = INTEGRATED V2I PROTOTYPE
 ITSPB = INTELLIGENT TRANSPORTATION SYSTEM PULL BOX
 LF = LINEAR FEET
 LHUB = LOCAL HUB
 LIDAR = LIGHT DETECTION AND RANGING
 LPB = LOOP PULL BOX
 MM = MILE MARKER
 MVDS = MICROWAVE VEHICLE DETECTION SYSTEM
 NTS = NOT TO SCALE
 OE = OVERHEAD ELECTRIC
 PVC = POLYVINYL CHLORIDE (CONDUIT)
 PWS = PEDESTRIAN WARNING SIGN
 RGS = RIGID GALVANIZED STEEL
 RPMU = REMOTE POWER MANAGEMENT UNIT
 RSU = ROAD SIDE UNIT
 R/W = RIGHT OF WAY
 SM = SINGLE MODE
 SPD = SURGE PROTECTION DEVICE
 STR = STRAND
 UPS = UNINTERRUPTABLE POWER SUPPLY
 W = WATER LINE

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
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- NOTES:
- UTILIZE EXISTING VIDEO CONDUIT FROM EXISTING PULL BOX TO TOP OF CONCRETE POLE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

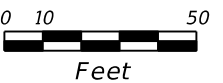
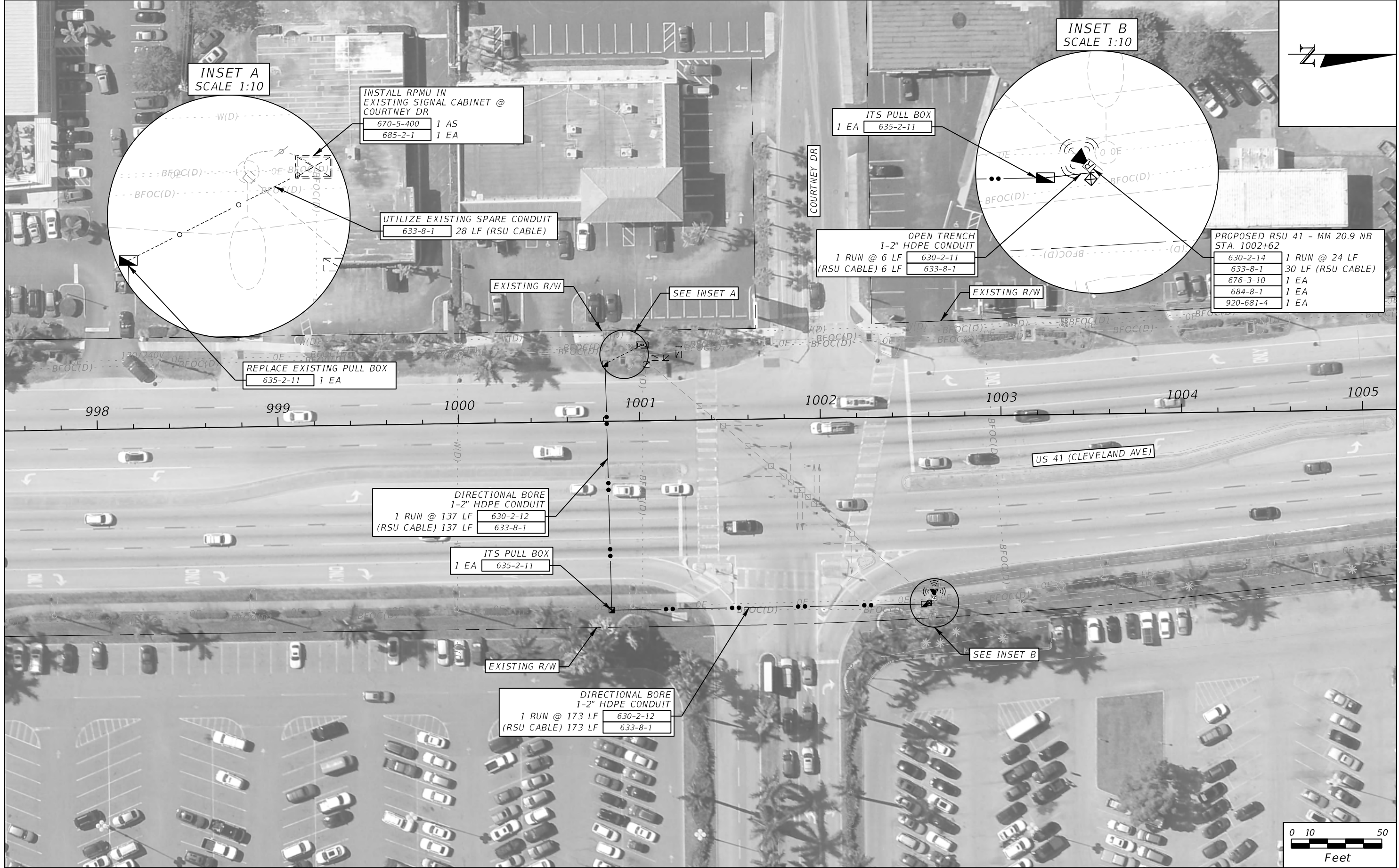
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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ITS PLAN SHEET

SHEET NO.
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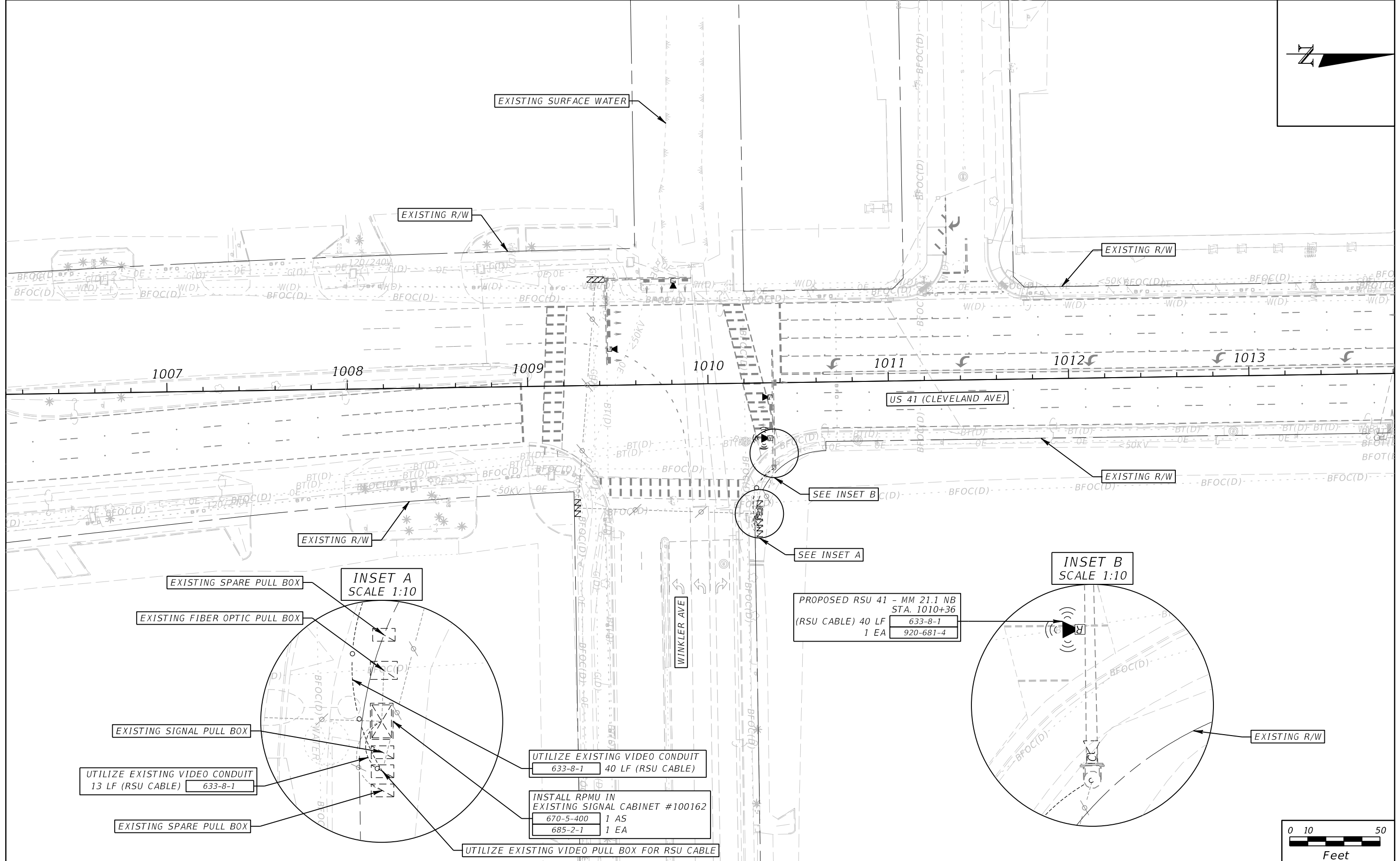
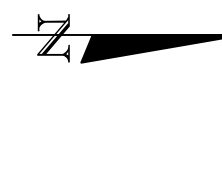
RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

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ITS PLAN SHEET

SHEET NO.
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INSET A
SCALE 1:10

INSET B
SCALE 1:10

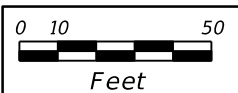
PROPOSED RSU 41 - MM 21.1 NB
STA. 1010+36
(RSU CABLE) 40 LF 633-8-1
1 EA 920-681-4

UTILIZE EXISTING VIDEO CONDUIT
633-8-1 40 LF (RSU CABLE)

INSTALL RPMU IN
EXISTING SIGNAL CABINET #100162
670-5-400 1 AS
685-2-1 1 EA

UTILIZE EXISTING VIDEO PULL BOX FOR RSU CABLE

UTILIZE EXISTING VIDEO CONDUIT
13 LF (RSU CABLE) 633-8-1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

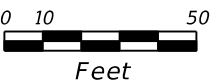
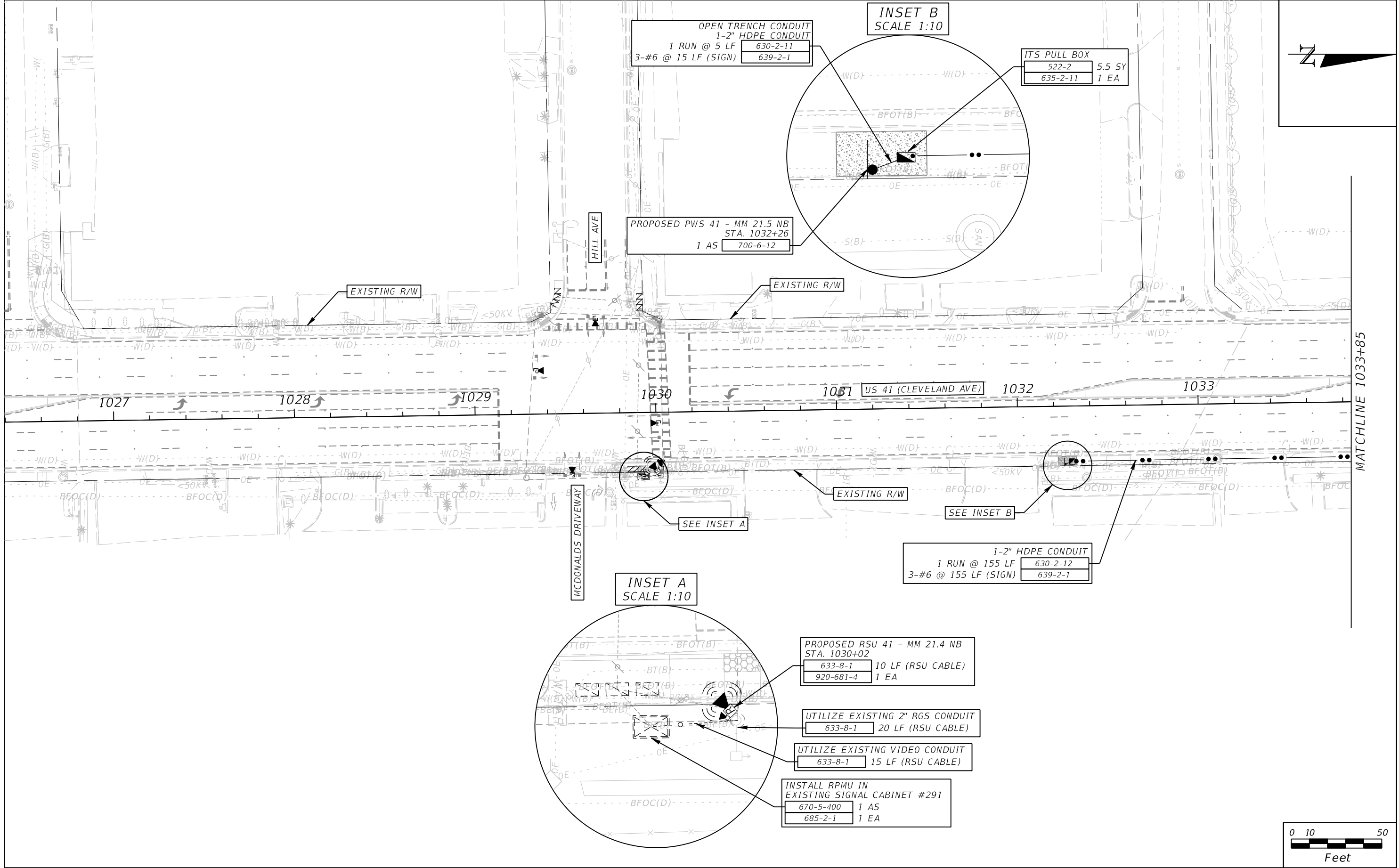
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

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ITS PLAN SHEET

SHEET NO.
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

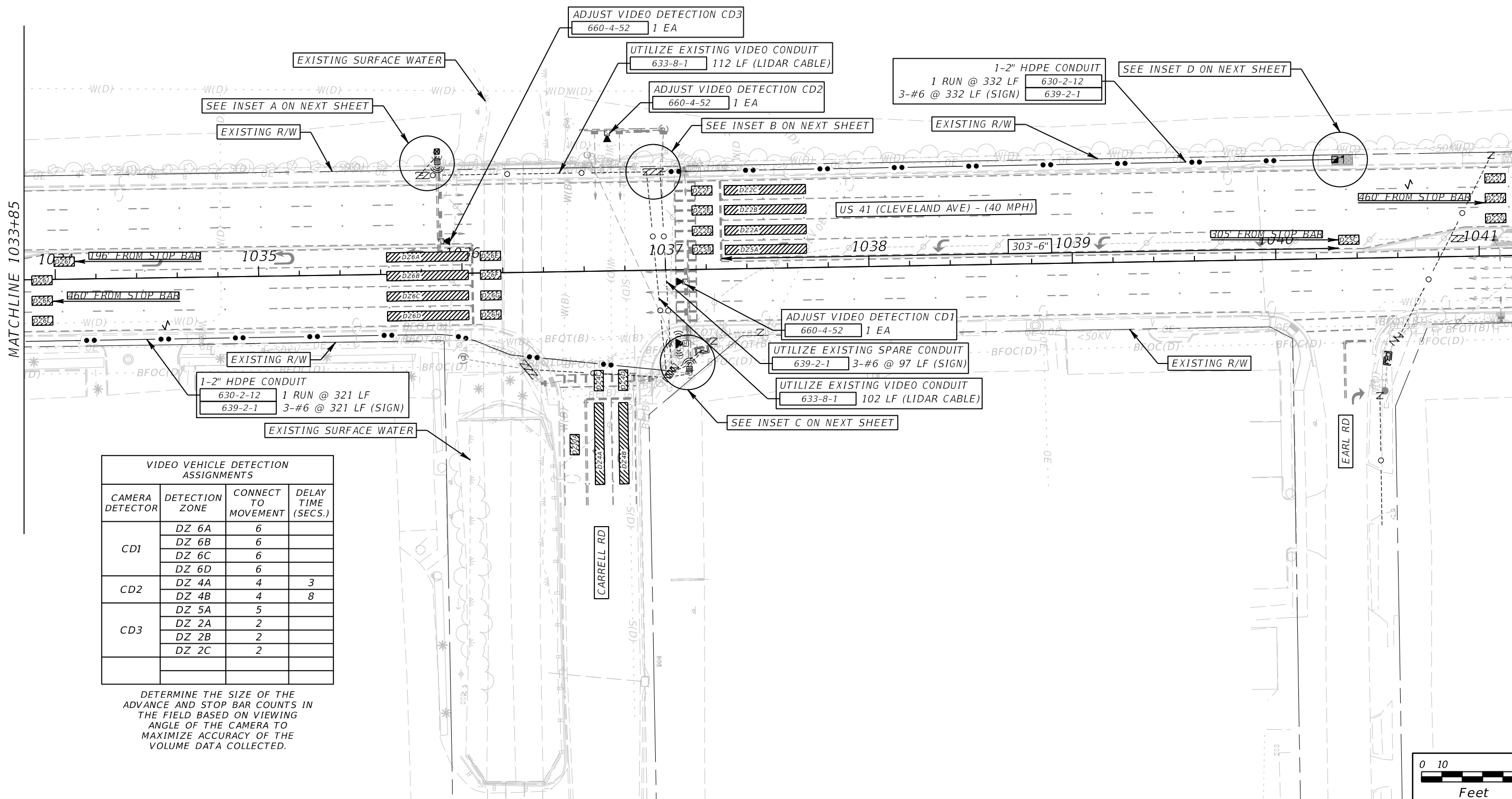
RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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ITS PLAN SHEET

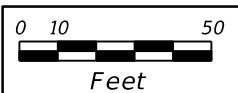
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VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SECS.)
CD1	DZ 6A	6	
	DZ 6B	6	
	DZ 6C	6	
	DZ 6D	6	
CD2	DZ 4A	4	3
	DZ 4B	4	8
CD3	DZ 2A	2	
	DZ 2B	2	
	DZ 2C	2	

DETERMINE THE SIZE OF THE ADVANCE AND STOP BAR COUNTS IN THE FIELD BASED ON VIEWING ANGLE OF THE CAMERA TO MAXIMIZE ACCURACY OF THE VOLUME DATA COLLECTED.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

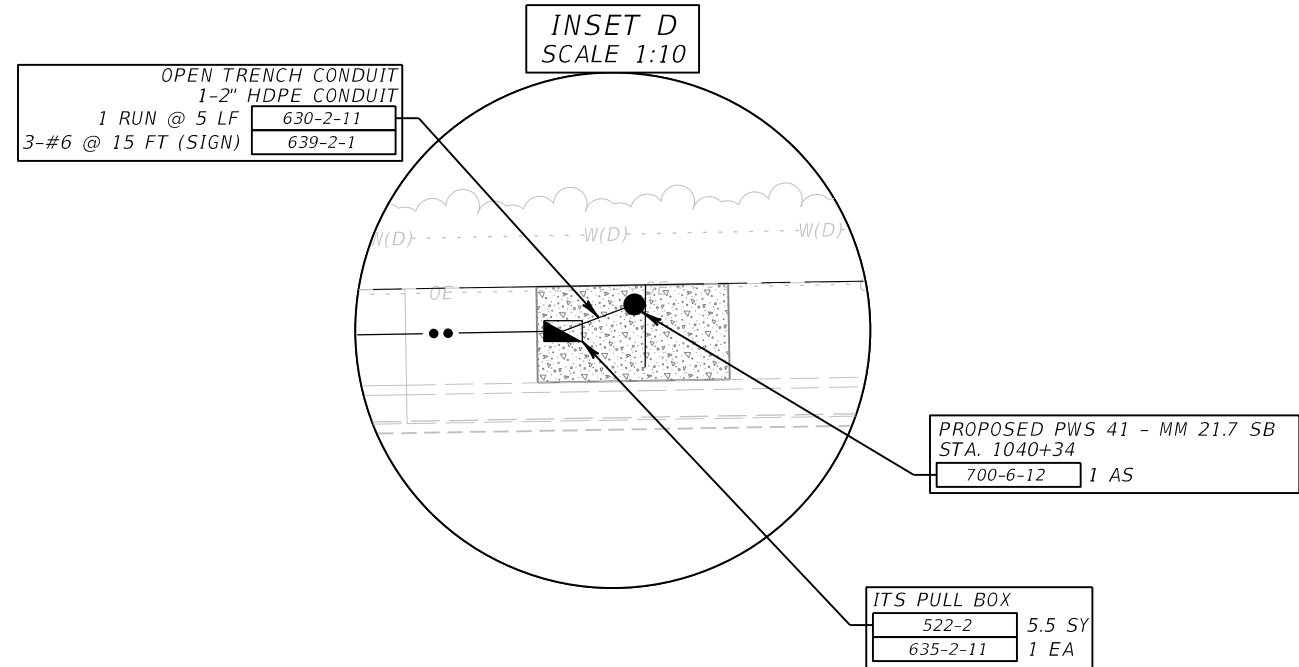
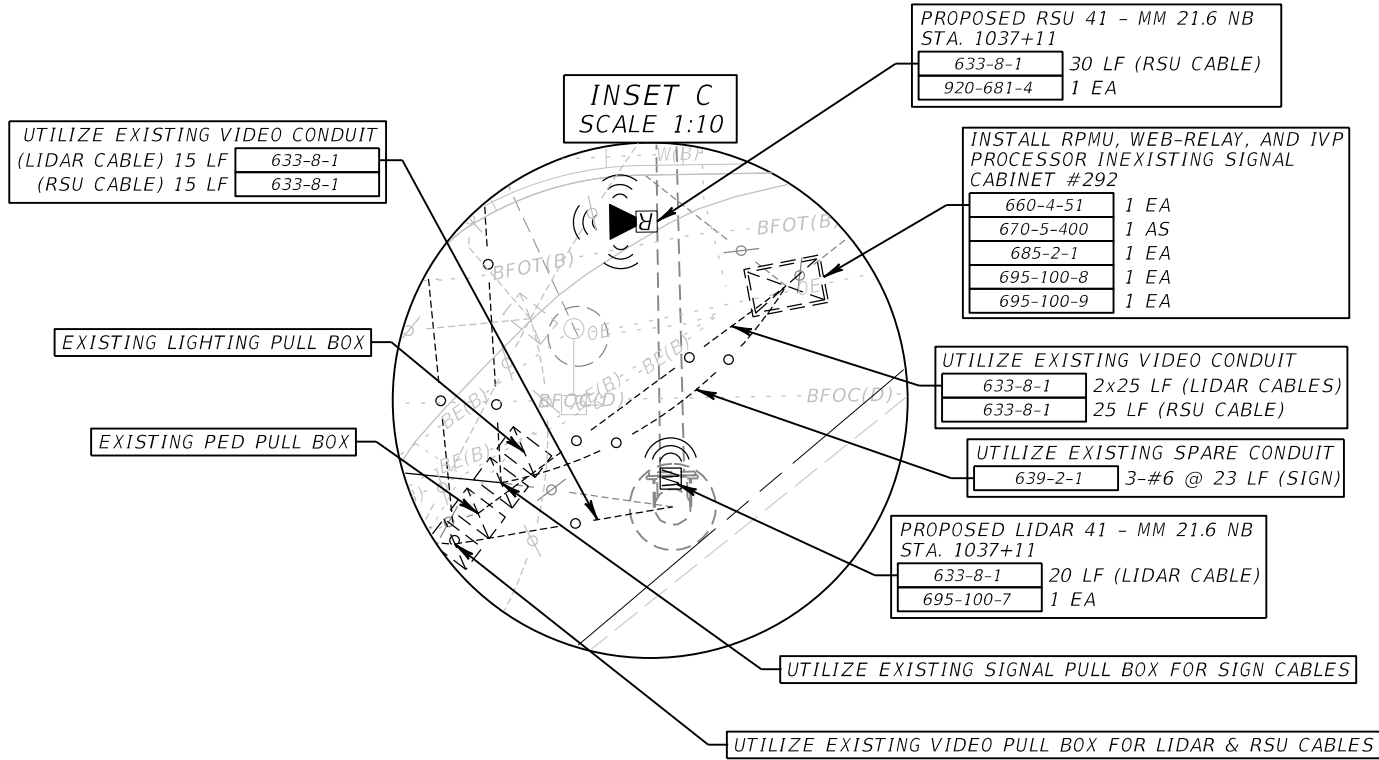
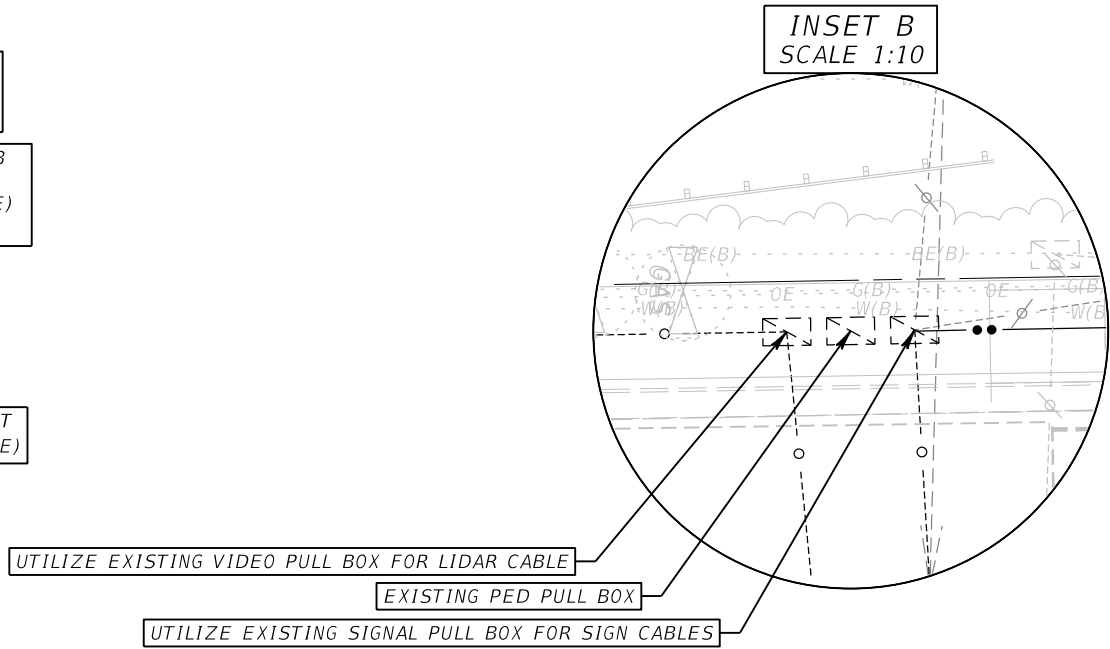
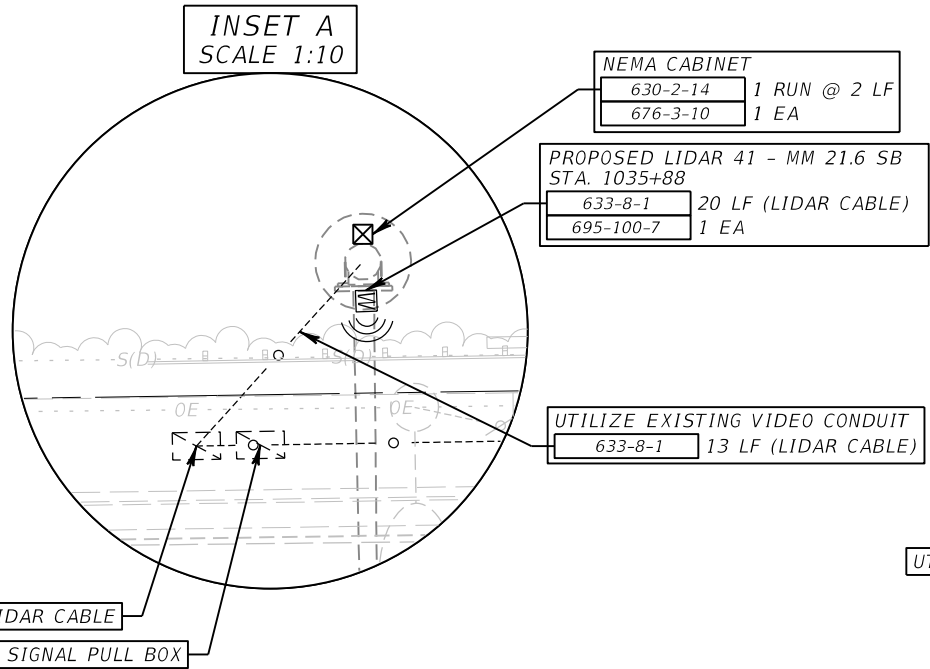
RICARDO J. GONZALEZ, P.E.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
17

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

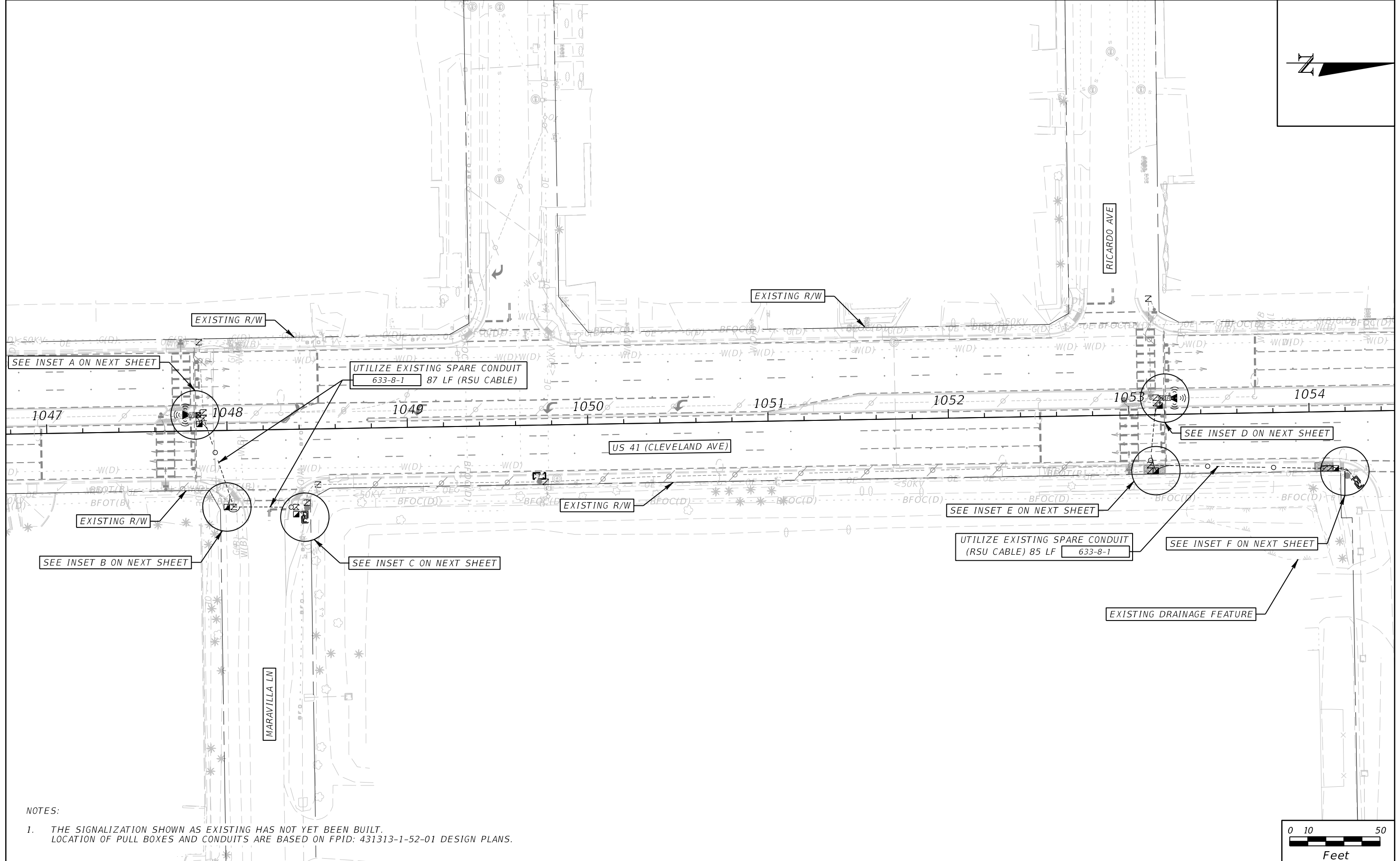
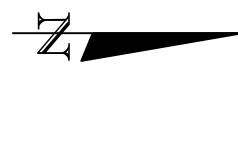
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

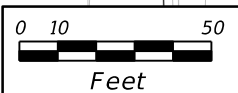
ITS PLAN SHEET

SHEET NO.
18

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



NOTES:
 1. THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT.
 LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
19

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

PROPOSED RSU 41 - MM 21.8 SB
STA. 1047+82

1 RUN @ 2 LF	630-2-14
(RSU CABLE) 20 LF	633-8-1
1 EA	676-3-10
1 EA	920-681-4

INSET A
SCALE 1:10

UTILIZE EXISTING SPARE CONDUIT
633-8-1 5 LF (RSU CABLE)

UTILIZE EXISTING SPARE PULL BOX (SEE NOTE 1)

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 5 LF
RSU CABLE 5 LF (RSU CABLE)

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
1 RUN @ 3 LF 630-2-11
(RSU CABLE) 3 LF 633-8-1

ITS PULL BOX
(SEE NOTE 1)
1 EA 635-2-11

INSET B
SCALE 1:10

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
1 RUN @ 5 LF 630-2-11
(RSU CABLE) 5 LF 633-8-1

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 5 LF
633-8-1 5 LF (RSU CABLE)

ITS PULL BOX
(SEE NOTE 1)
1 EA 635-2-11

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
1 RUN @ 5 LF 630-2-11
(RSU CABLE) 5 LF 633-8-1

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 12 LF
633-8-1 12 LF (RSU CABLE)

ITS PULL BOX
(SEE NOTE 1)
1 EA 635-2-11

INSET C
SCALE 1:10

UTILIZE EXISTING SPARE CONDUIT
633-8-1 5 LF (RSU CABLE)

INSTALL RPMU IN
EXISTING SIGNAL CABINET #1527
670-5-400 1 AS
685-2-1 1 EA

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
1 RUN @ 3 LF 630-2-11
(RSU CABLE) 3 LF 633-8-1

INSET D
SCALE 1:10

PROPOSED RSU 41 - MM 21.9 SB
STA. 1053+20

630-2-14	1 RUN @ 2 LF
633-8-1	22 LF (RSU CABLE)
676-3-10	1 EA
920-681-4	1 EA

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
1 RUN @ 5 LF 630-2-11
(RSU CABLE) 5 LF 633-8-1

ITS PULL BOX
(SEE NOTE 1)
635-2-11 1 EA

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 6 LF
633-8-1 6 LF (RSU CABLE)

UTILIZE EXISTING SPARE CONDUIT
633-8-1 40 LF (RSU CABLE)

INSET E
SCALE 1:10

ITS PULL BOX
REPLACE SIDEWALK
(SEE NOTE 1)
5.0 SY 522-2
1 EA 635-2-11

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
1 RUN @ 5 LF 630-2-11
(RSU CABLE) 5 LF 633-8-1

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 5 LF
633-8-1 5 LF (RSU CABLE)

ITS PULL BOX
REPLACE SIDEWALK
(SEE NOTE 1)
6.0 SY 522-2
1 EA 635-2-11

INSET F
SCALE 1:10

OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 5 LF
633-8-1 5 LF (RSU CABLE)

UTILIZE EXISTING SPARE CONDUIT
(RSU CABLE) 25 LF 633-8-1

INSTALL RPMU IN
EXISTING SIGNAL CABINET #1526
1 AS 670-5-400
1 EA 685-2-1

NOTES:

1. INTERCEPT AND EXTEND EXISTING SPARE CONDUIT AND PULL INTO PROPOSED PULL BOX.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

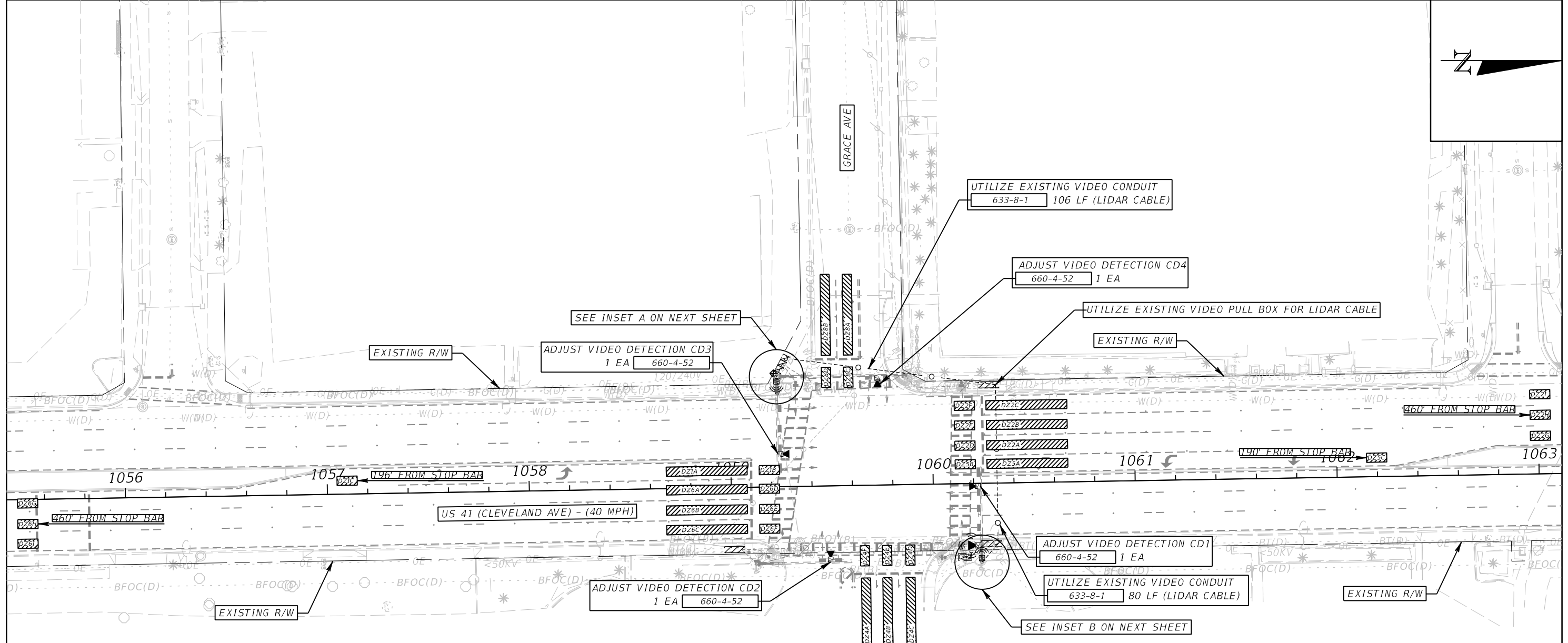
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
20

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SEE INSET A ON NEXT SHEET

UTILIZE EXISTING VIDEO CONDUIT
633-8-1 106 LF (LIDAR CABLE)

ADJUST VIDEO DETECTION CD4
660-4-52 1 EA

UTILIZE EXISTING VIDEO PULL BOX FOR LIDAR CABLE

EXISTING R/W

ADJUST VIDEO DETECTION CD3
1 EA 660-4-52

EXISTING R/W

ADJUST VIDEO DETECTION CD1
660-4-52 1 EA

UTILIZE EXISTING VIDEO CONDUIT
633-8-1 80 LF (LIDAR CABLE)

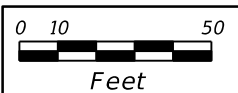
SEE INSET B ON NEXT SHEET

EXISTING R/W

EXISTING R/W

VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SECS.)
CD1	DZ 1A	1	
	DZ 6A	6	
	DZ 6B	6	
CD2	DZ 8A	8	3
	DZ 8B	8	8
	DZ 5A	5	
CD3	DZ 2A	2	
	DZ 2B	2	
	DZ 2C	2	
CD4	DZ 4A	4	
	DZ 4B	4	
	DZ 4C	4	8

DETERMINE THE SIZE OF THE ADVANCE AND STOP BAR COUNTS IN THE FIELD BASED ON VIEWING ANGLE OF THE CAMERA TO MAXIMIZE ACCURACY OF THE VOLUME DATA COLLECTED.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

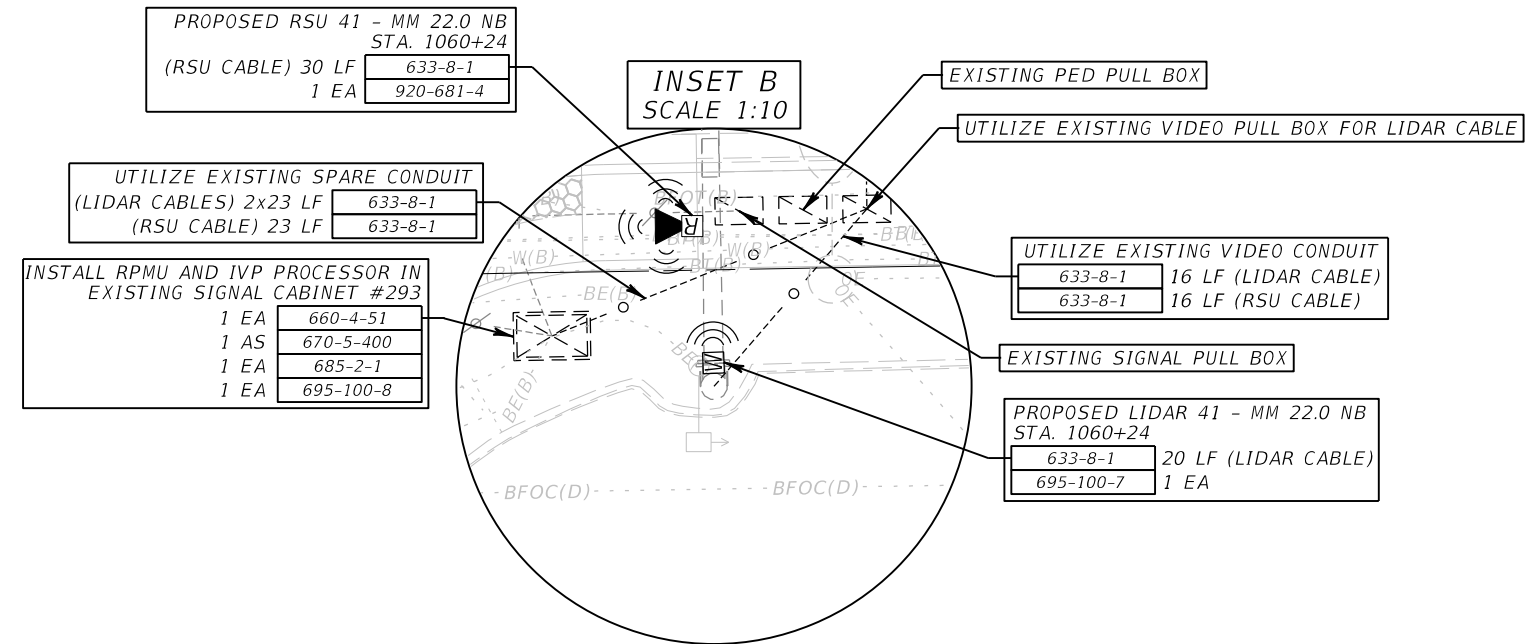
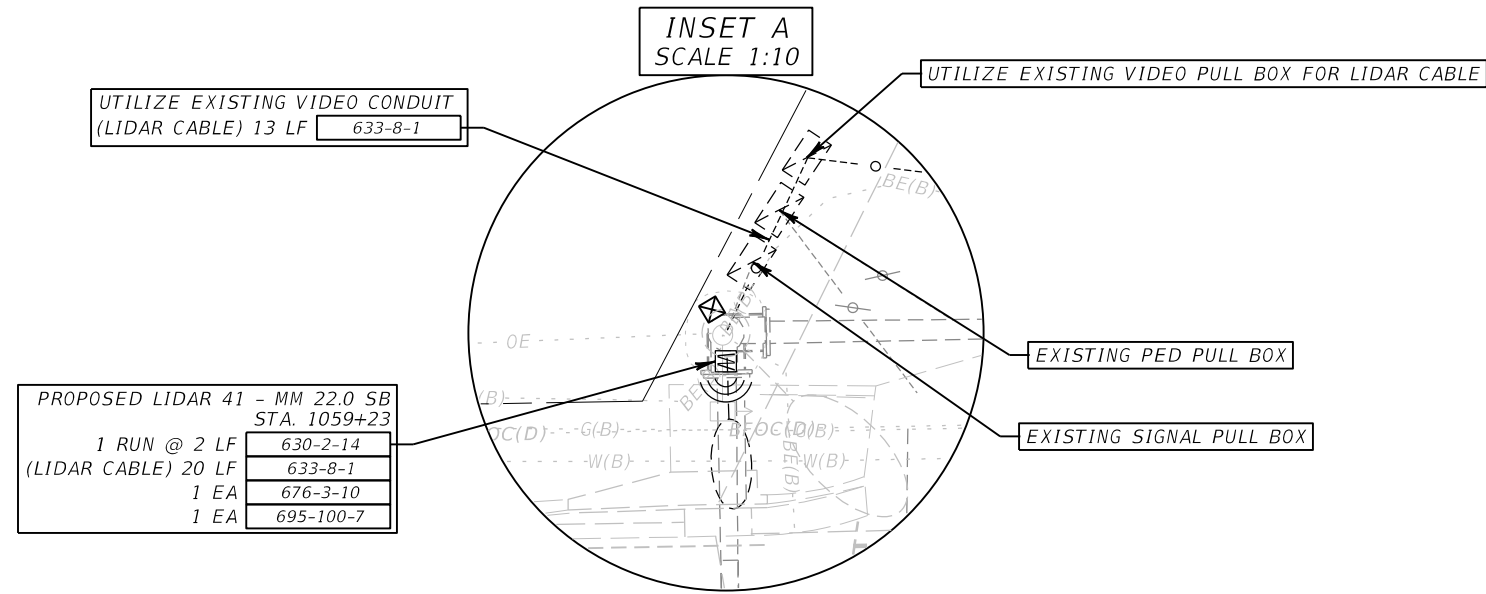
RICARDO J. GONZALEZ, P.E.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
21

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

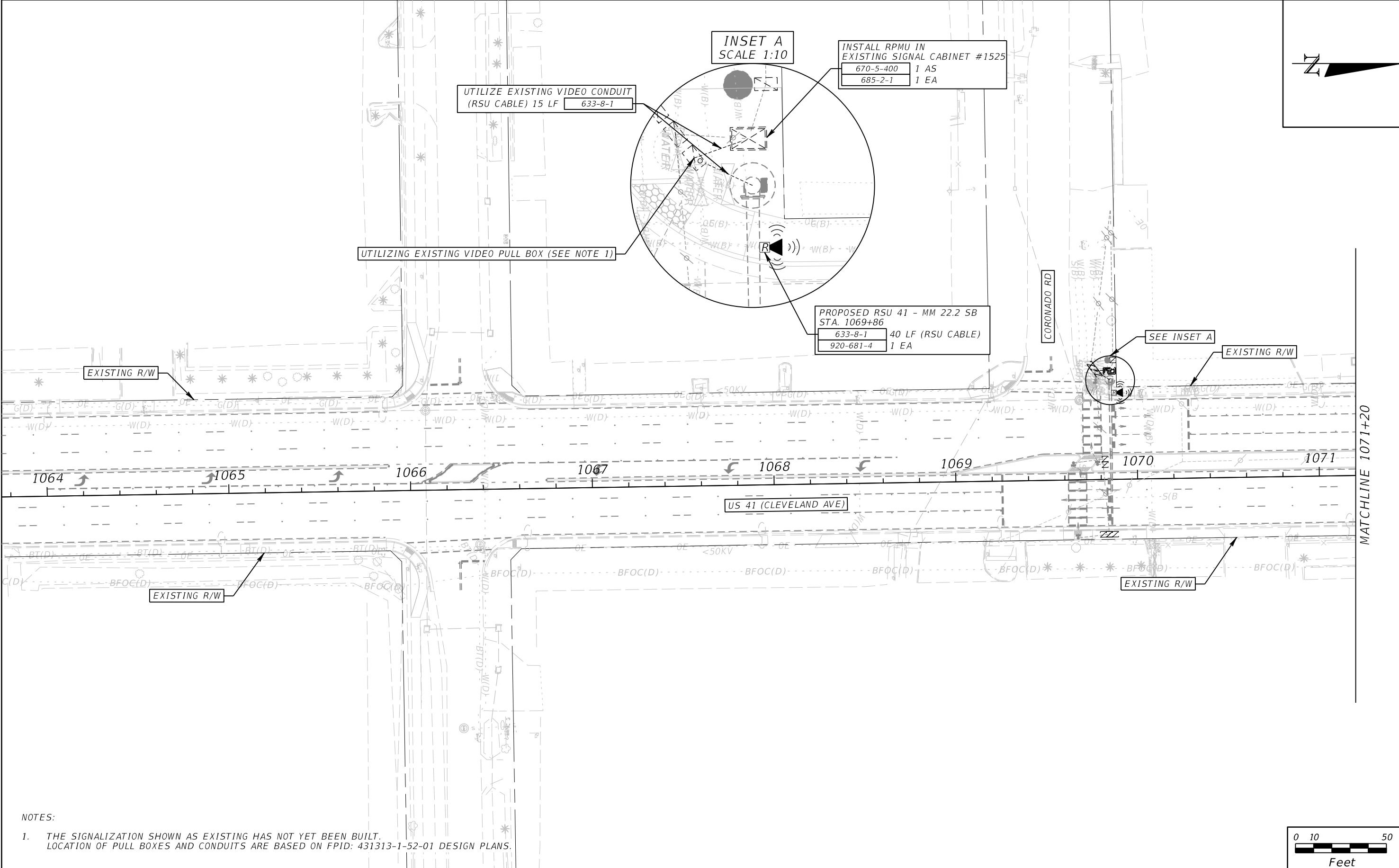
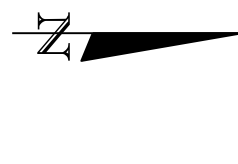
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.

22



EXISTING R/W

UTILIZING EXISTING VIDEO PULL BOX (SEE NOTE 1)

INSET A
SCALE 1:10

INSTALL RPMU IN
EXISTING SIGNAL CABINET #1525
670-5-400 1 AS
685-2-1 1 EA

PROPOSED RSU 41 - MM 22.2 SB
STA. 1069+86
633-8-1 40 LF (RSU CABLE)
920-681-4 1 EA

SEE INSET A

EXISTING R/W

1064 1065 1066 1067 1068 1069 1070 1071

US 41 (CLEVELAND AVE)

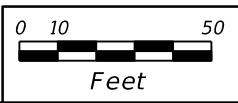
EXISTING R/W

EXISTING R/W

MATCHLINE 1071+20

NOTES:

1. THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT. LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. NO.: 66564
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11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

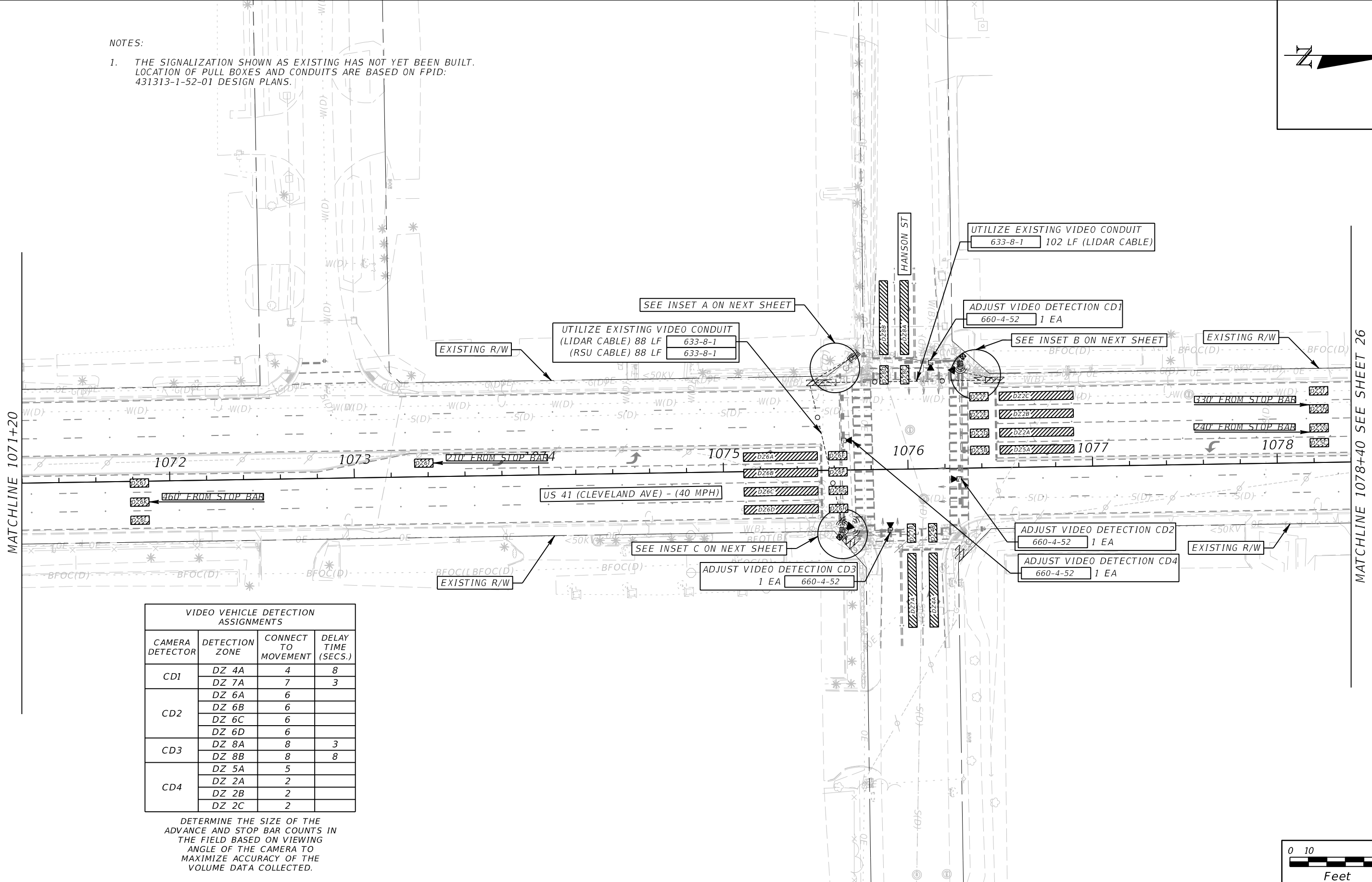
ITS PLAN SHEET

SHEET NO.
23

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NOTES:

1. THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT. LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.



VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SECS.)
CD1	DZ 4A	4	8
	DZ 7A	7	3
CD2	DZ 6A	6	
	DZ 6B	6	
	DZ 6C	6	
	DZ 6D	6	
CD3	DZ 8A	8	3
	DZ 8B	8	8
CD4	DZ 5A	5	
	DZ 2A	2	
	DZ 2B	2	
	DZ 2C	2	

DETERMINE THE SIZE OF THE ADVANCE AND STOP BAR COUNTS IN THE FIELD BASED ON VIEWING ANGLE OF THE CAMERA TO MAXIMIZE ACCURACY OF THE VOLUME DATA COLLECTED.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

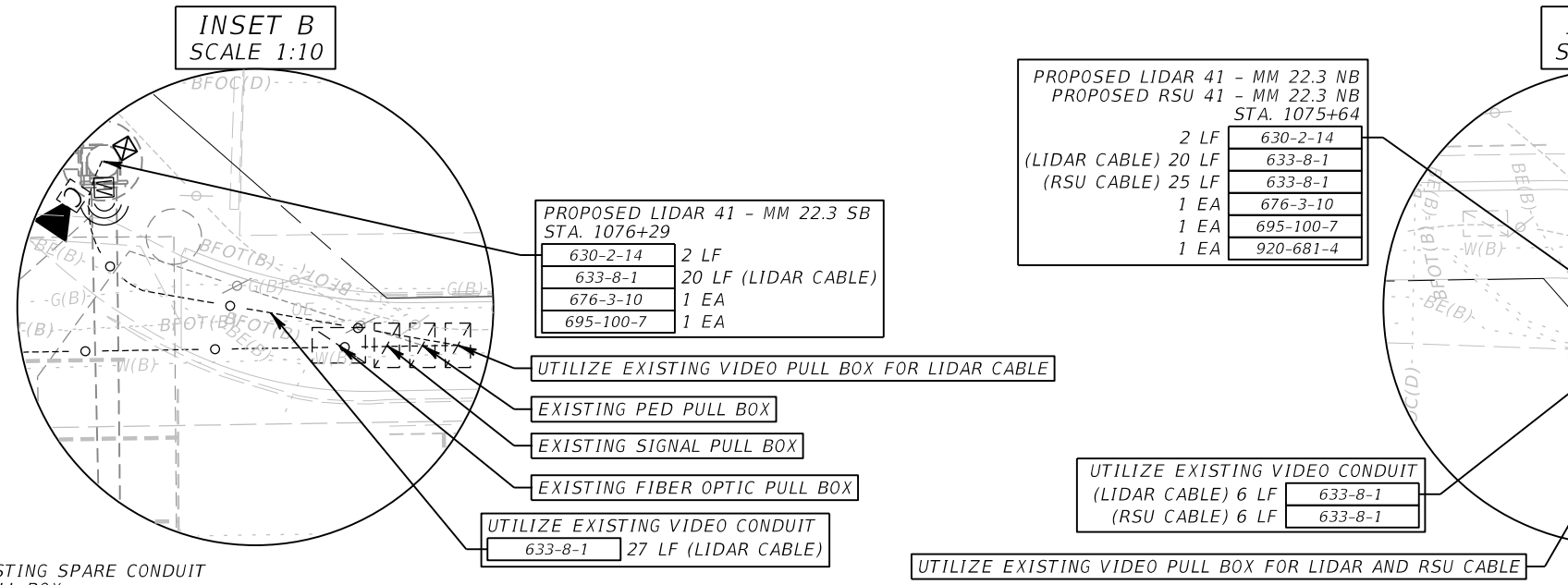
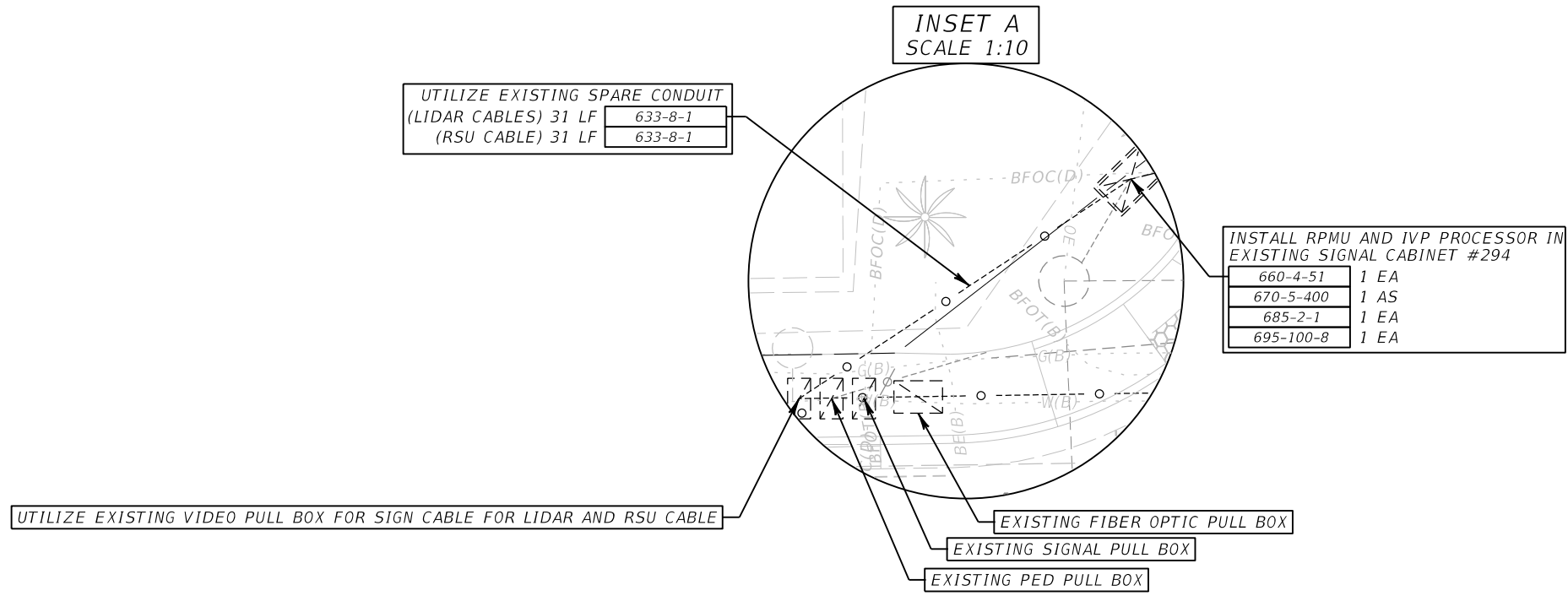
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
24

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



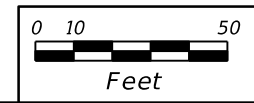
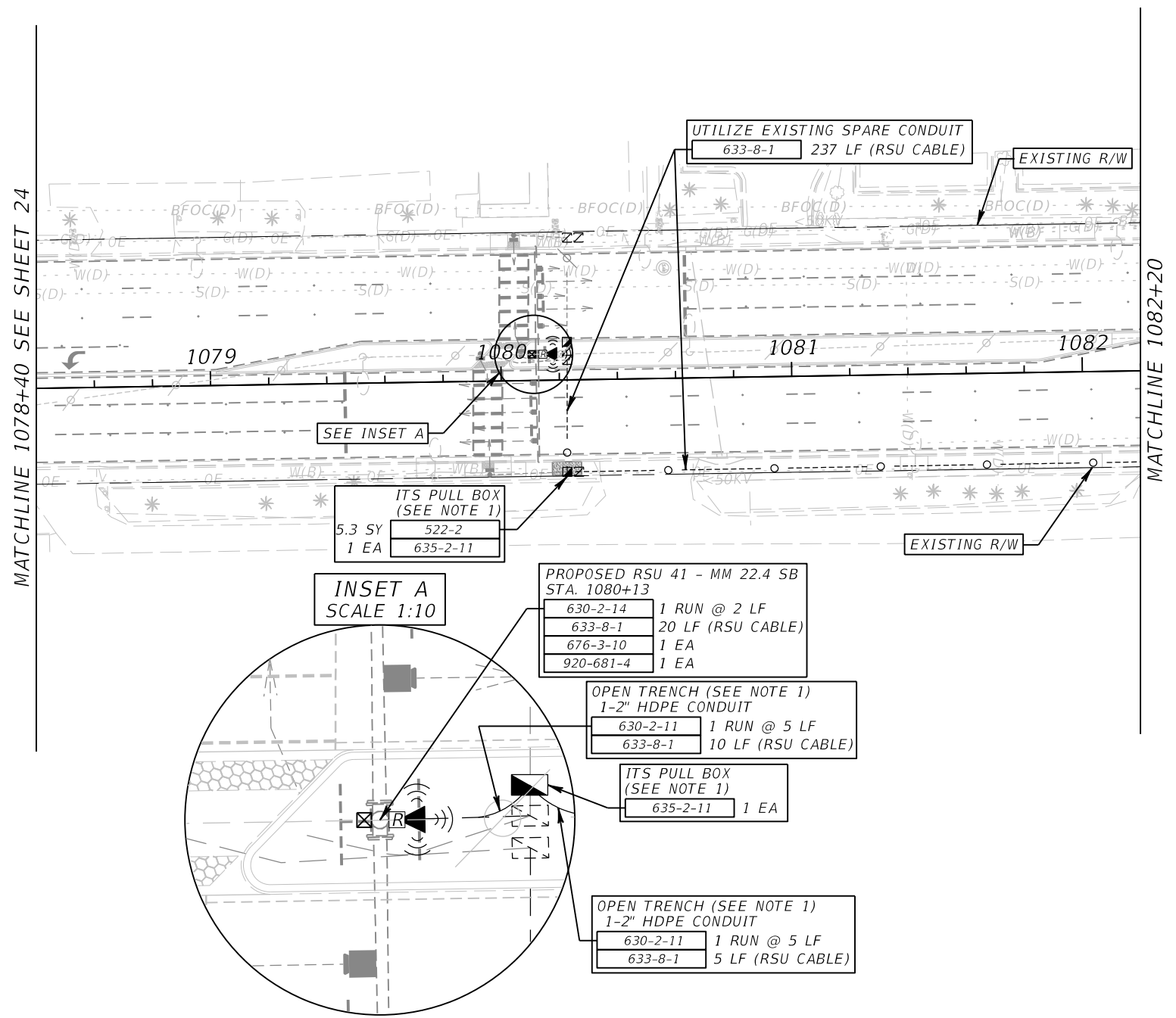
- NOTES:
- INTERCEPT AND EXTEND EXISTING SPARE CONDUIT AND PULL INTO PROPOSED PULL BOX.
 - THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT. LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		25
					SR 45	LEE	445363-1-52-01		

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

NOTES:

1. INTERCEPT AND EXTEND EXISTING SPARE CONDUIT AND PULL INTO PROPOSED PULL BOX.
2. THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT. LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

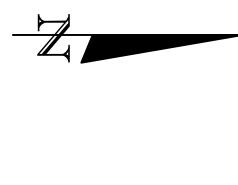
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

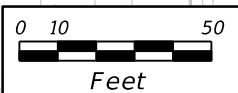
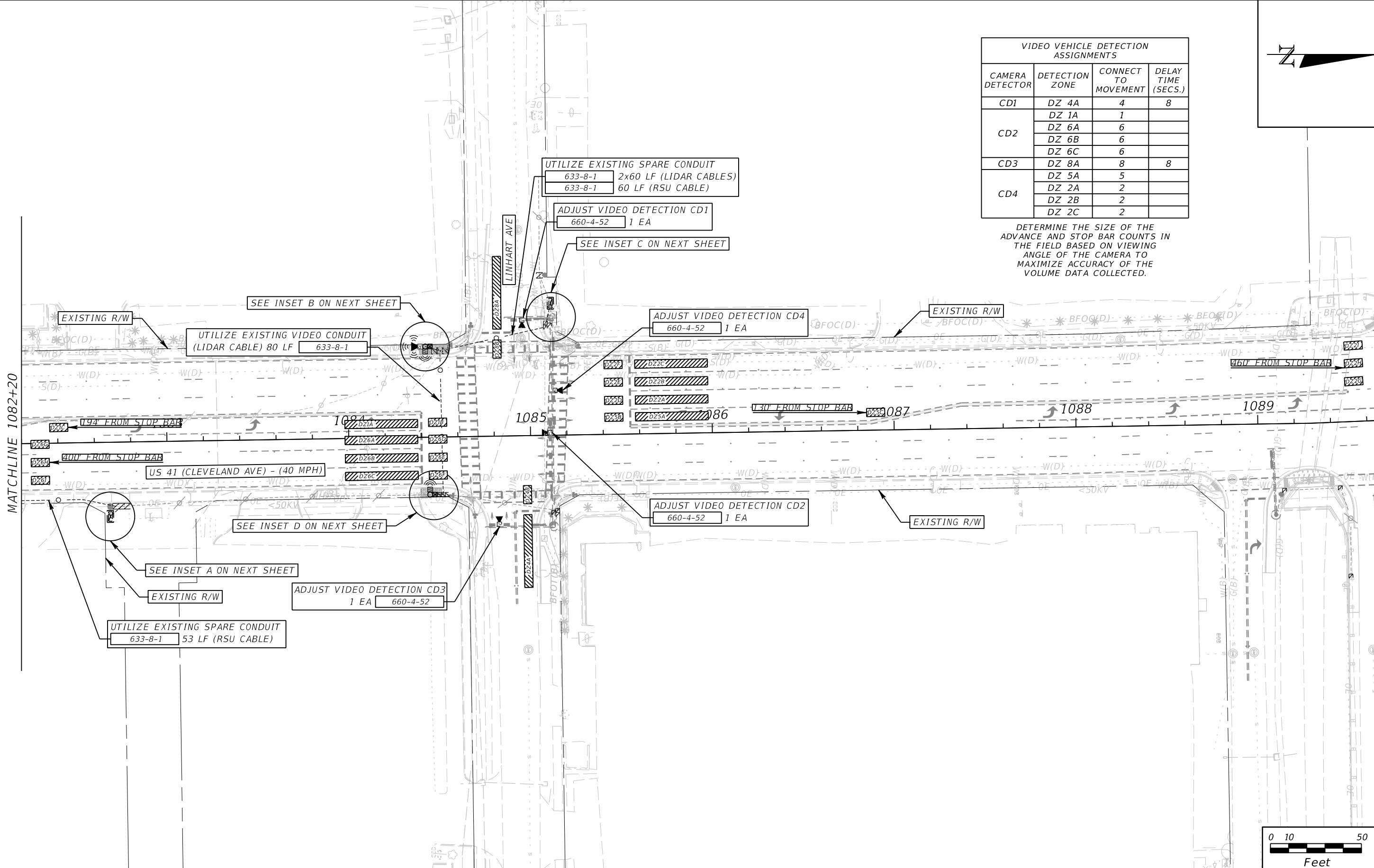
SHEET NO.
26

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



VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SECS.)
CD1	DZ 4A	4	8
	DZ 1A	1	
CD2	DZ 6A	6	
	DZ 6B	6	
	DZ 6C	6	
CD3	DZ 8A	8	8
CD4	DZ 5A	5	
	DZ 2A	2	
	DZ 2C	2	

DETERMINE THE SIZE OF THE ADVANCE AND STOP BAR COUNTS IN THE FIELD BASED ON VIEWING ANGLE OF THE CAMERA TO MAXIMIZE ACCURACY OF THE VOLUME DATA COLLECTED.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

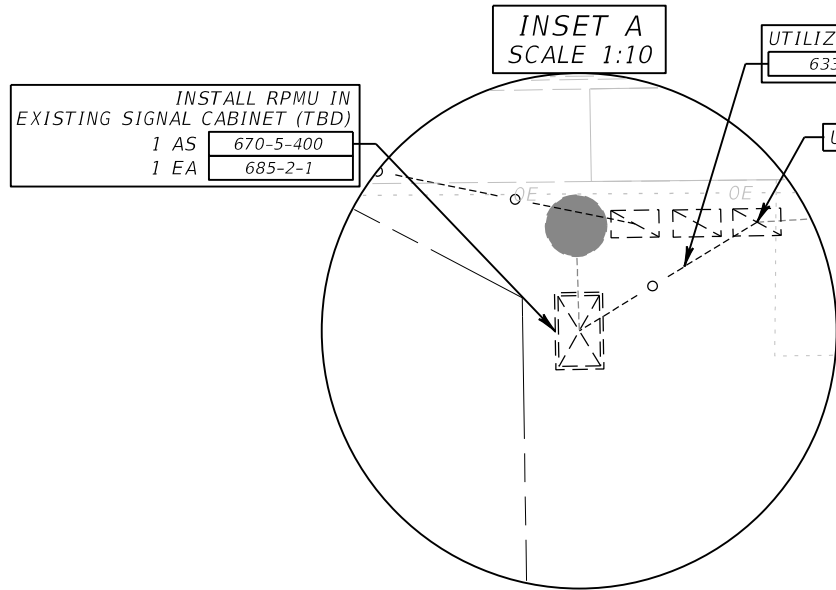
RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

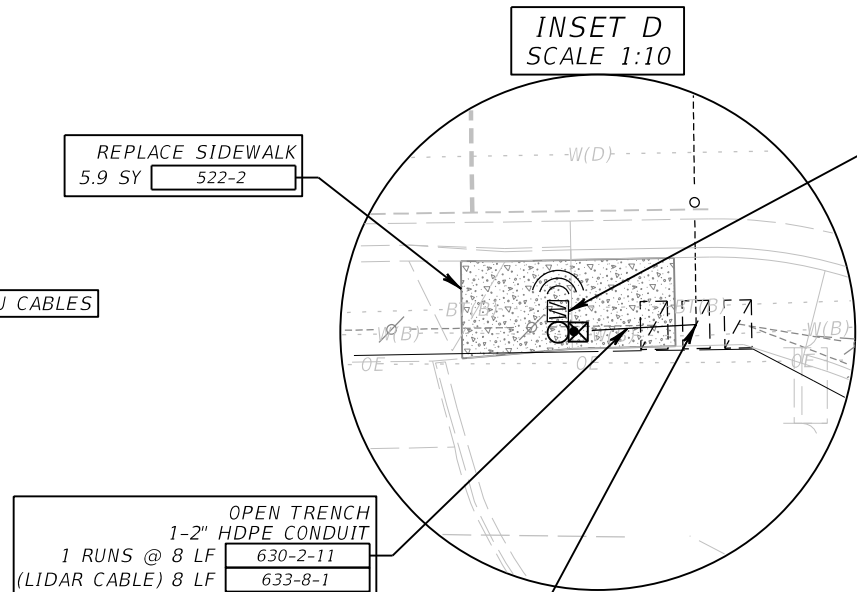
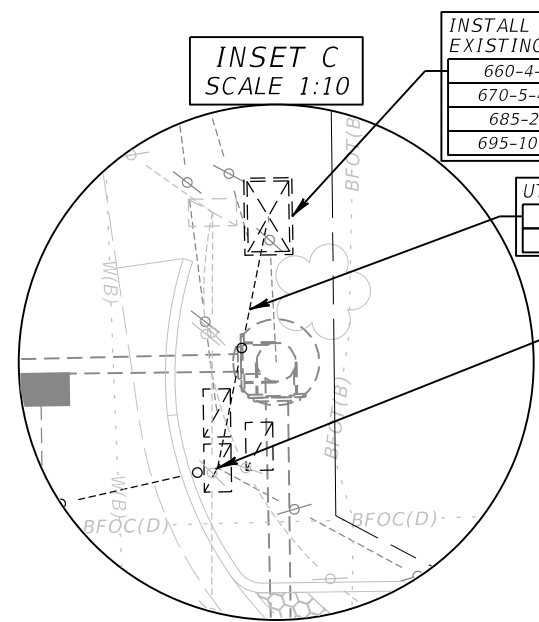
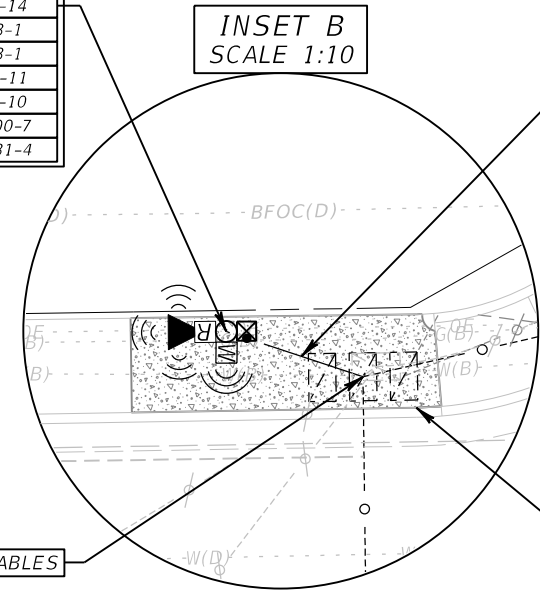
SHEET NO.
27

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PROPOSED LIDAR 41 - MM 22.5 SB
 PROPOSED RSU 41 - MM 22.5 SB
 STA. 1084+43

2 LF	630-2-14
20 LF (LIDAR CABLE)	633-8-1
25 LF (RSU CABLE)	633-8-1
1 EA	646-1-11
1 EA	676-3-10
1 EA	695-100-7
1 EA	920-681-4



PROPOSED LIDAR 41 - MM 22.5 NB
 STA. 1084+44

630-2-14	2 LF
633-8-1	20 LF (LIDAR CABLE)
646-1-11	1 EA
676-3-10	1 EA
695-100-7	1 EA

NOTES:
 1. THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT. LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		

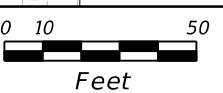
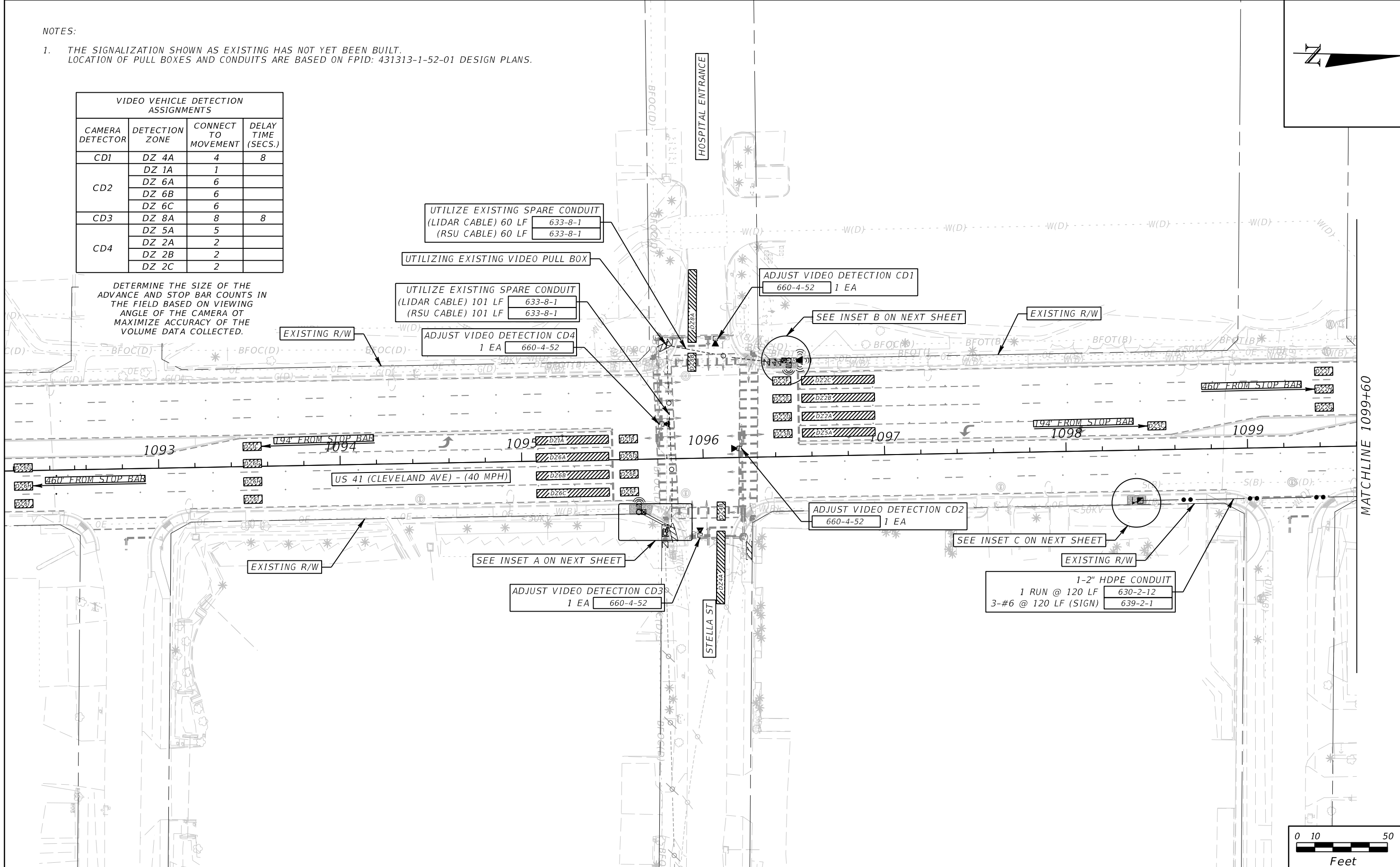
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NOTES:

- THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT.
LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.

VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SECS.)
CD1	DZ 4A	4	8
CD2	DZ 1A	1	
	DZ 6A	6	
	DZ 6B	6	
CD3	DZ 6C	6	
	DZ 8A	8	8
CD4	DZ 5A	5	
	DZ 2A	2	
	DZ 2C	2	

DETERMINE THE SIZE OF THE ADVANCE AND STOP BAR COUNTS IN THE FIELD BASED ON VIEWING ANGLE OF THE CAMERA OT MAXIMIZE ACCURACY OF THE VOLUME DATA COLLECTED.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

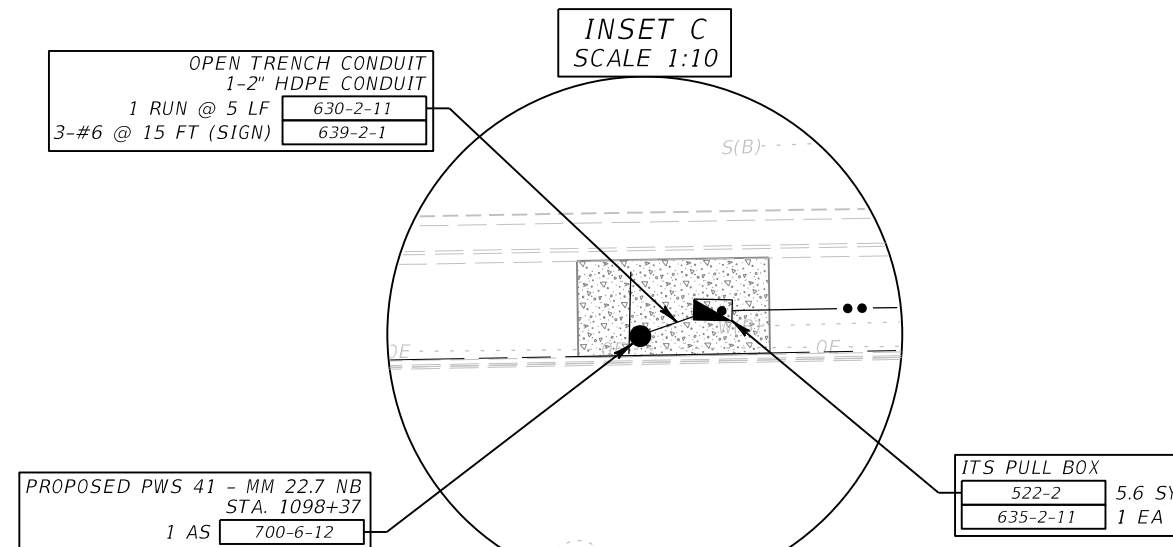
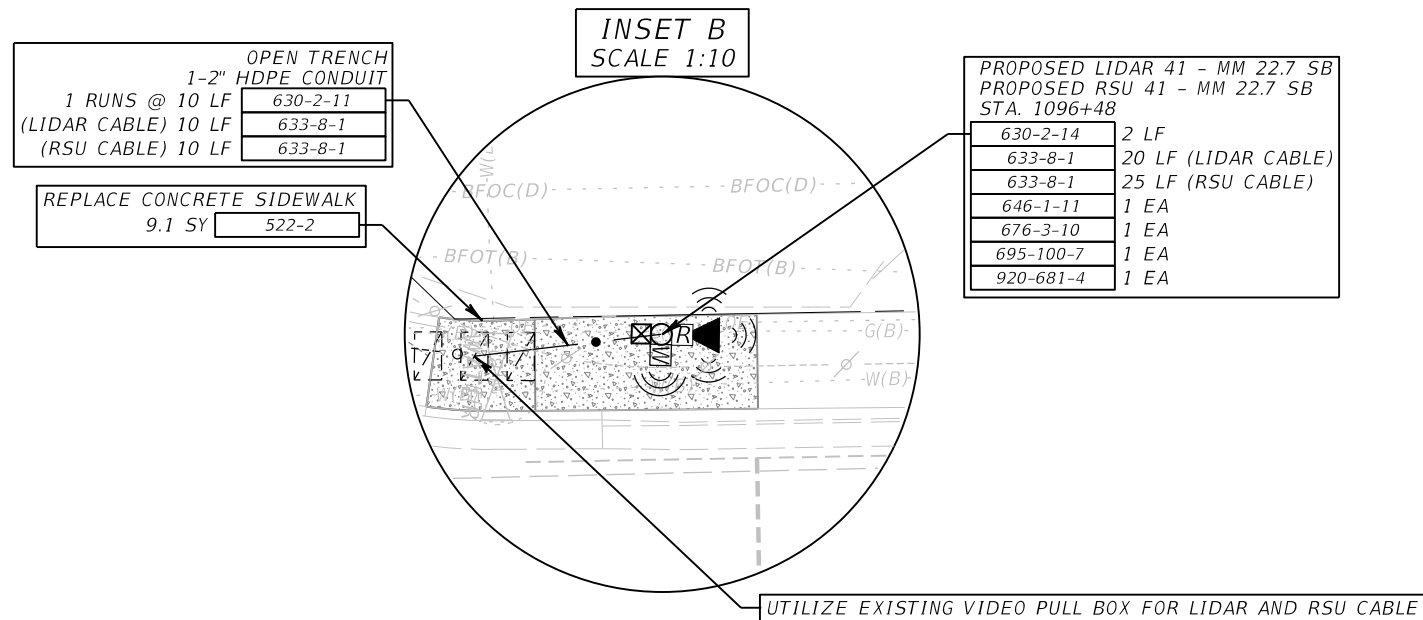
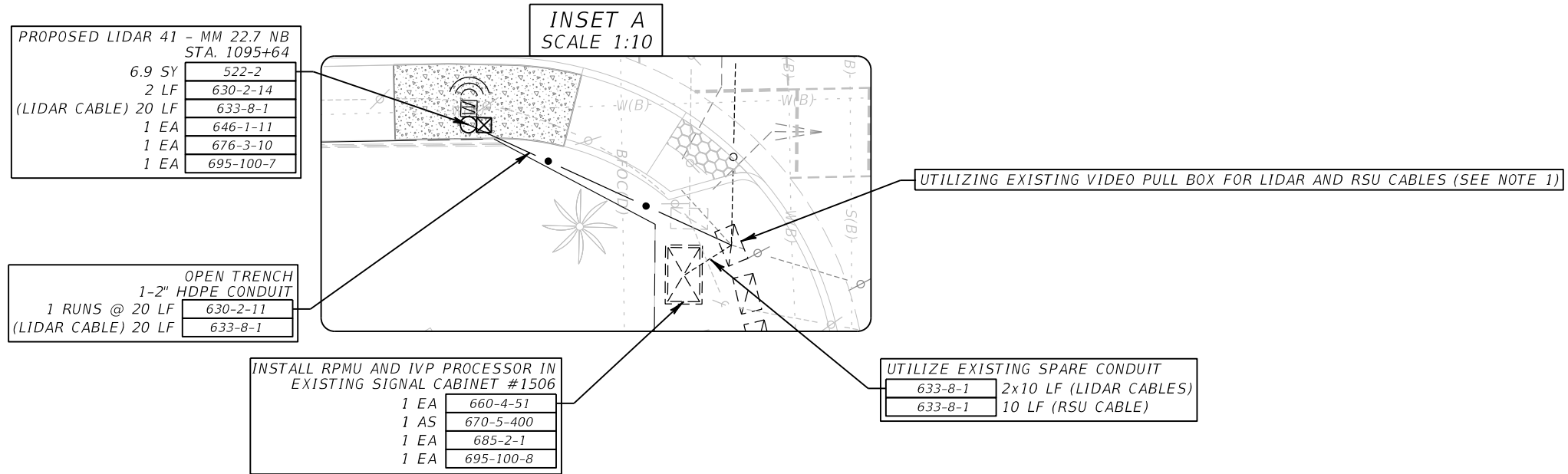
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
29

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



NOTES:

1. THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT.
LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.

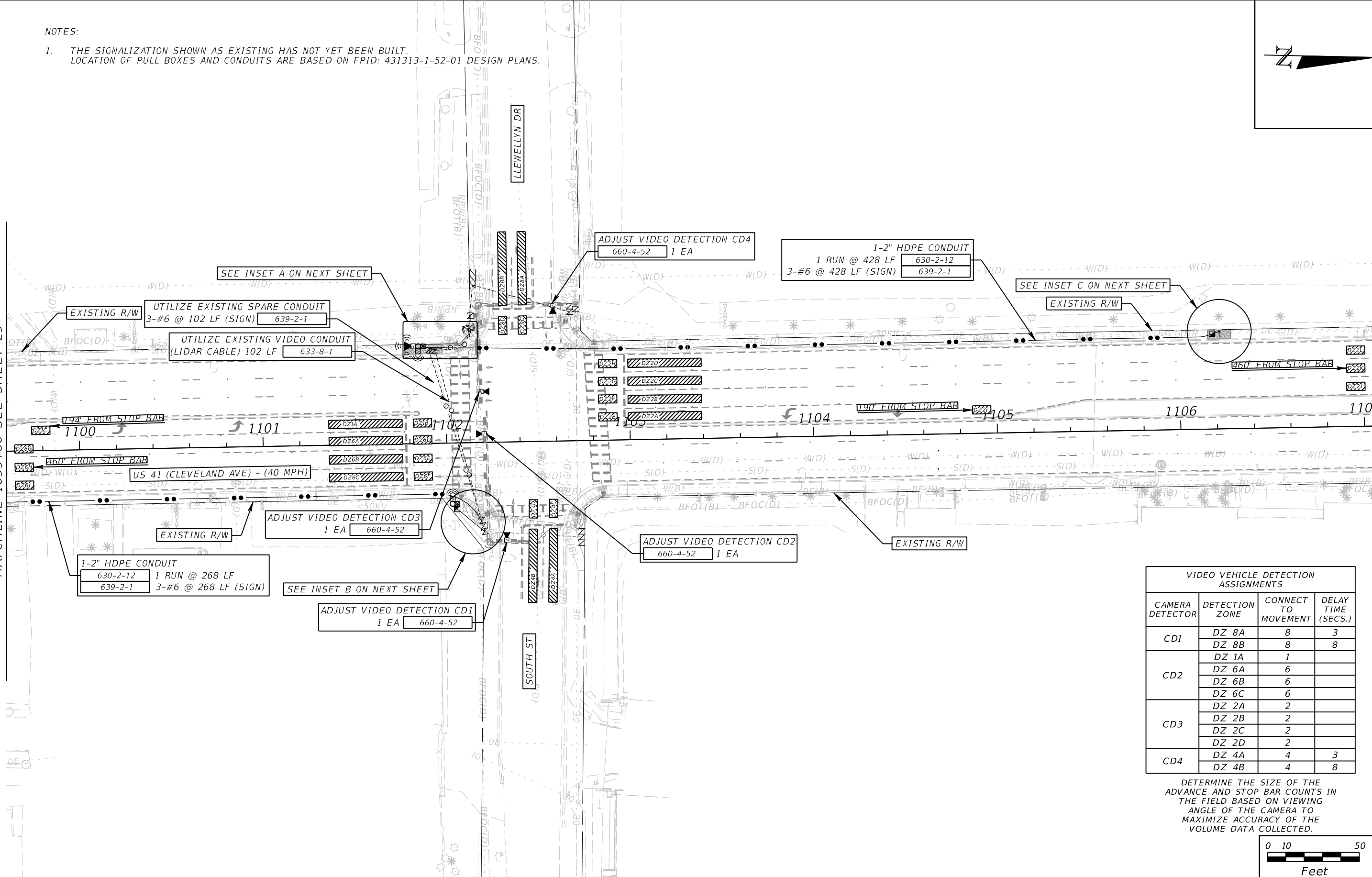
REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		30

NOTES:

- THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT. LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.

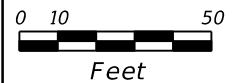


MATCHLINE 1099+60 SEE SHEET 29



VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SECS.)
CD1	DZ 8A	8	3
	DZ 8B	8	8
CD2	DZ 1A	1	
	DZ 6A	6	
	DZ 6C	6	
CD3	DZ 2A	2	
	DZ 2B	2	
	DZ 2C	2	
CD4	DZ 4A	4	3
	DZ 4B	4	8

DETERMINE THE SIZE OF THE ADVANCE AND STOP BAR COUNTS IN THE FIELD BASED ON VIEWING ANGLE OF THE CAMERA TO MAXIMIZE ACCURACY OF THE VOLUME DATA COLLECTED.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

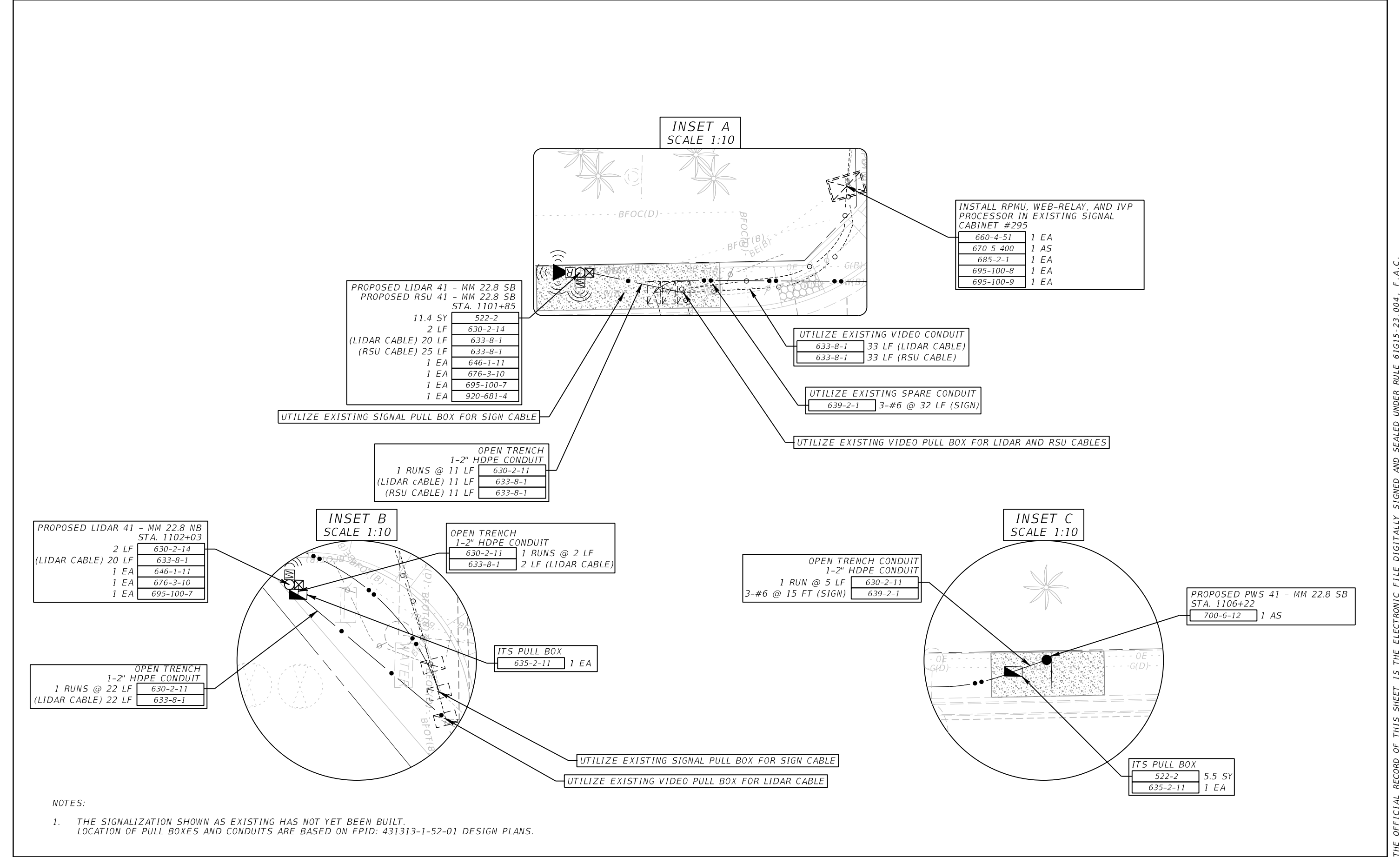
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
31

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



PROPOSED LIDAR 41 - MM 22.8 SB
 PROPOSED RSU 41 - MM 22.8 SB
 STA. 1101+85

11.4 SY	522-2
2 LF	630-2-14
(LIDAR CABLE) 20 LF	633-8-1
(RSU CABLE) 25 LF	633-8-1
1 EA	646-1-11
1 EA	676-3-10
1 EA	695-100-7
1 EA	920-681-4

INSTALL RPMU, WEB-RELAY, AND IVP
 PROCESSOR IN EXISTING SIGNAL
 CABINET #295

660-4-51	1 EA
670-5-400	1 AS
685-2-1	1 EA
695-100-8	1 EA
695-100-9	1 EA

UTILIZE EXISTING VIDEO CONDUIT

633-8-1	33 LF (LIDAR CABLE)
633-8-1	33 LF (RSU CABLE)

UTILIZE EXISTING SPARE CONDUIT

639-2-1	3-#6 @ 32 LF (SIGN)
---------	---------------------

UTILIZE EXISTING VIDEO PULL BOX FOR LIDAR AND RSU CABLES

UTILIZE EXISTING SIGNAL PULL BOX FOR SIGN CABLE

OPEN TRENCH
 1-2" HDPE CONDUIT

1 RUNS @ 11 LF	630-2-11
(LIDAR CABLE) 11 LF	633-8-1
(RSU CABLE) 11 LF	633-8-1

PROPOSED LIDAR 41 - MM 22.8 NB
 STA. 1102+03

2 LF	630-2-14
(LIDAR CABLE) 20 LF	633-8-1
1 EA	646-1-11
1 EA	676-3-10
1 EA	695-100-7

OPEN TRENCH
 1-2" HDPE CONDUIT

1 RUNS @ 2 LF	630-2-11
2 LF (LIDAR CABLE)	633-8-1

OPEN TRENCH CONDUIT
 1-2" HDPE CONDUIT

1 RUN @ 5 LF	630-2-11
3-#6 @ 15 FT (SIGN)	639-2-1

PROPOSED PWS 41 - MM 22.8 SB
 STA. 1106+22

700-6-12	1 AS
----------	------

OPEN TRENCH
 1-2" HDPE CONDUIT

1 RUNS @ 22 LF	630-2-11
(LIDAR CABLE) 22 LF	633-8-1

ITS PULL BOX

635-2-11	1 EA
----------	------

UTILIZE EXISTING SIGNAL PULL BOX FOR SIGN CABLE

UTILIZE EXISTING VIDEO PULL BOX FOR LIDAR CABLE

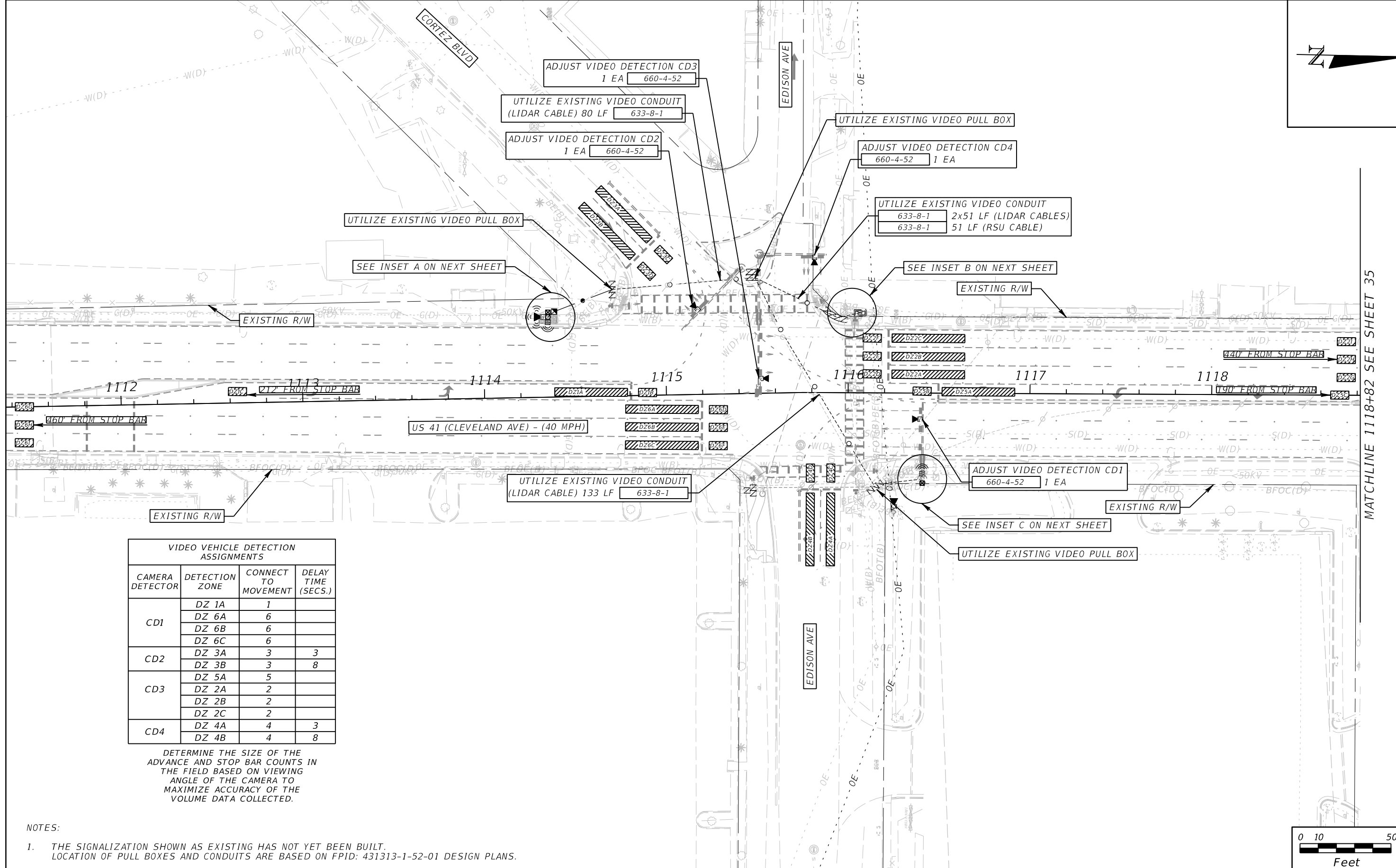
ITS PULL BOX

522-2	5.5 SY
635-2-11	1 EA

- NOTES:
- THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT.
 LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		

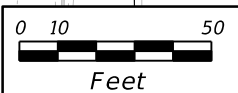
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



VIDEO VEHICLE DETECTION ASSIGNMENTS			
CAMERA DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME (SECS.)
CD1	DZ 1A	1	
	DZ 6A	6	
	DZ 6B	6	
CD2	DZ 3A	3	3
	DZ 3B	3	8
	DZ 5A	5	
CD3	DZ 2A	2	
	DZ 2B	2	
	DZ 2C	2	
CD4	DZ 4A	4	3
	DZ 4B	4	8

DETERMINE THE SIZE OF THE ADVANCE AND STOP BAR COUNTS IN THE FIELD BASED ON VIEWING ANGLE OF THE CAMERA TO MAXIMIZE ACCURACY OF THE VOLUME DATA COLLECTED.

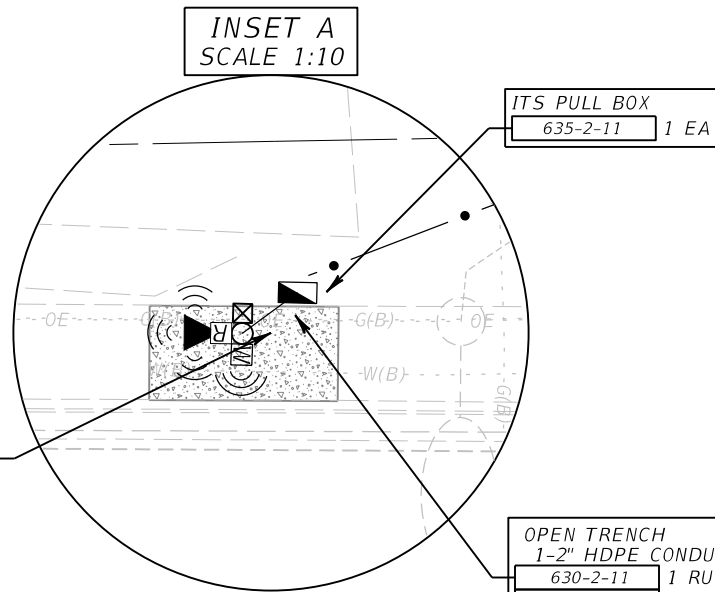
- NOTES:
- THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT. LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.



REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEET	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		

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

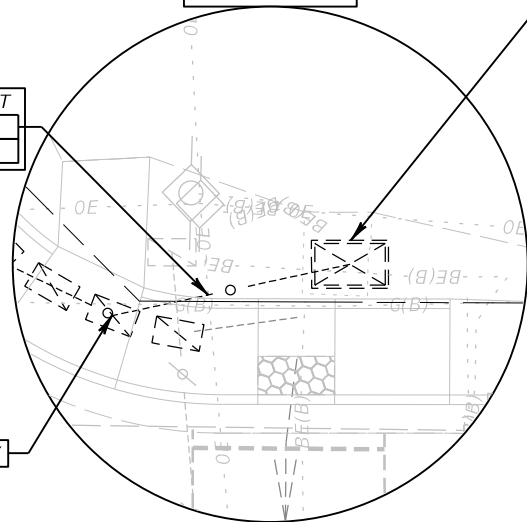
PROPOSED LIDAR 41 - MM 23.0 SB	
PROPOSED RSU 41 - MM 23.0 SB	
STA. 1114+37	
5.4 SY	522-2
2 LF	630-2-14
(LIDAR CABLE) 20 LF	633-8-1
(RSU CABLE) 25 LF	633-8-1
1 EA	646-1-11
1 EA	676-3-10
1 EA	695-100-7
1 EA	920-681-4



OPEN TRENCH	
1-2" HDPE CONDUIT	
630-2-11	1 RUNS @ 4 LF
633-8-1	4 LF (LIDAR CABLE)
633-8-1	4 LF (RSU CABLE)

UTILIZE EXISTING VIDEO CONDUIT
(LIDAR CABLES) 2x18 LF 633-8-1
(RSU CABLE) 18 LF 633-8-1

INSET B
SCALE 1:10

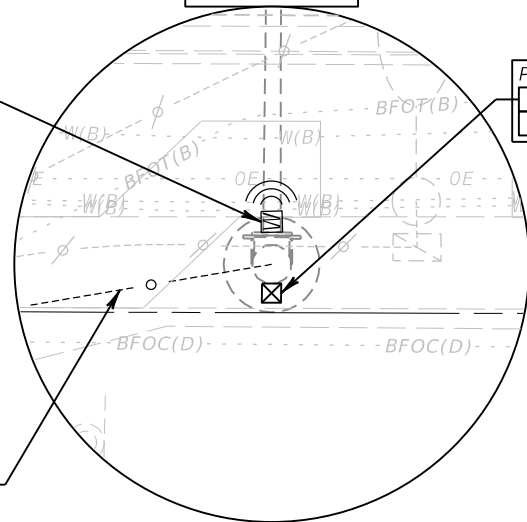


INSTALL RPMU AND IVP PROCESSOR IN EXISTING SIGNAL CABINET #296	
660-4-51	1 EA
670-5-400	1 AS
685-2-1	1 EA
695-100-8	1 EA

UTILIZE EXISTING VIDEO PULL BOX

PROPOSED LIDAR 41 - MM 23.0 NB
STA. 1116+41
(LIDAR CABLE) 20 LF 633-8-1
1 EA 695-100-7

INSET C
SCALE 1:10



PROPOSED NEMA ENCLOSURE	
630-2-14	1 RUN @ 2 LF
676-3-10	1 EA

UTILIZE EXISTING VIDEO CONDUIT
(LIDAR CABLE) 30 LF LIDAR CABLE

- NOTES:
- THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT.
LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.

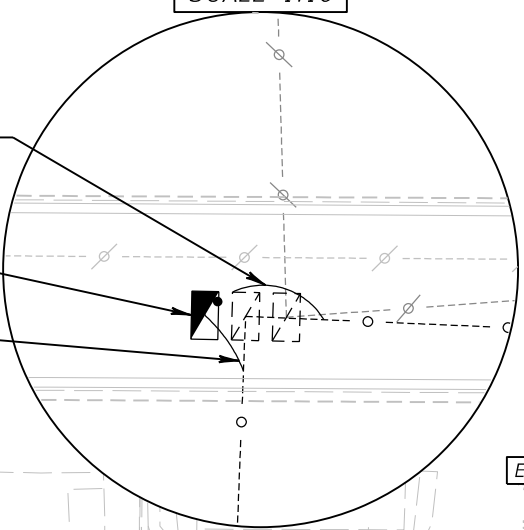
REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS PLAN SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		

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



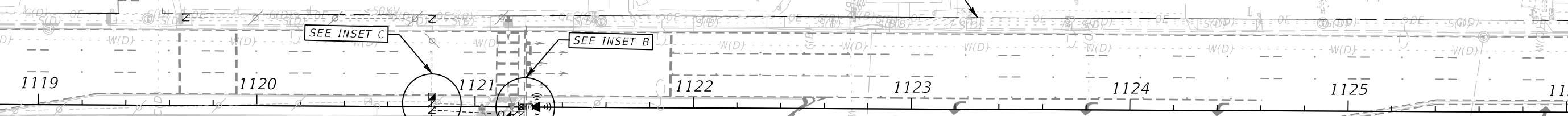
INSET C
SCALE 1:10

- OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
1 RUN @ 5 LF 630-2-11
(RSU CABLE) 5 LF 633-8-1
- ITS PULL BOX
(SEE NOTE 1)
1 EA 635-2-11
- OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
1 RUN @ 4 LF 630-2-11
(RSU CABLE) 4 LF 633-8-1



MATCHLINE 1118+82 SEE SHEET 34

MATCHLINE 1126+02

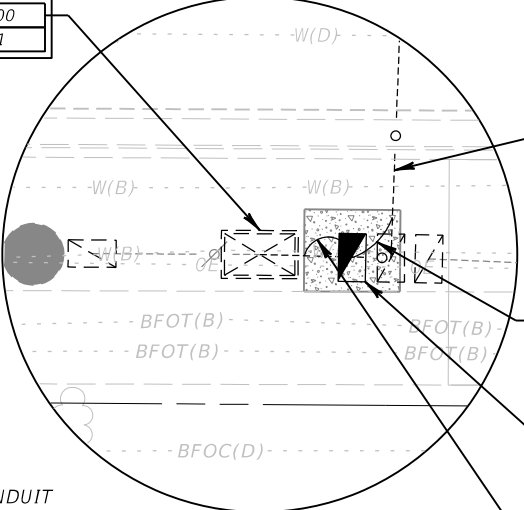


US 41 (CLEVELAND AVE)

CRAWFORD ST

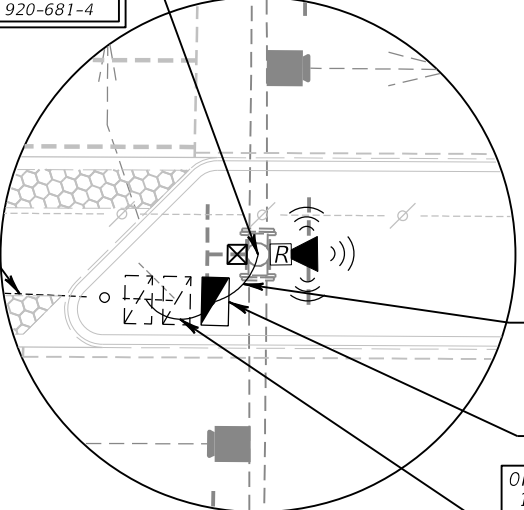
- INSTALL RPMU AND IVPP IN
EXISTING SIGNAL CABINET #1523
1 AS 670-5-400
1 EA 685-2-1

INSET A
SCALE 1:10



- PROPOSED RSU 41 - MM 23.2 NB
STA. 1121+23
1 RUN @ 2 LF 630-2-14
(RSU CABLE) 20 LF 633-8-1
1 EA 676-3-10
1 EA 920-681-4

INSET B
SCALE 1:10



- UTILIZE EXISTING SPARE CONDUIT
633-8-1 41 LF (RSU CABLE)

- UTILIZE EXISTING SPARE CONDUIT
38 LF (RSU CABLE) 633-8-1

- OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 5 LF
633-8-1 5 LF (RSU CABLE)

- ITS PULL BOX
(SEE NOTE 1)
522-2 2.4 SY
635-2-11 1 EA

- OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 5 LF
633-8-1 10 LF (RSU CABLE)

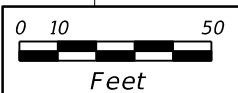
- OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 5 LF
633-8-1 5 LF (RSU CABLE)

- ITS PULL BOX
(SEE NOTE 1)
635-2-11 1 EA

- OPEN TRENCH (SEE NOTE 1)
1-2" HDPE CONDUIT
630-2-11 1 RUN @ 5 LF
633-8-1 5 LF (RSU CABLE)

NOTES:

1. INTERCEPT AND EXTEND EXISTING SPARE CONDUIT AND PULL INTO PROPOSED PULL BOX.
2. THE SIGNALIZATION SHOWN AS EXISTING HAS NOT YET BEEN BUILT. LOCATION OF PULL BOXES AND CONDUITS ARE BASED ON FPID: 431313-1-52-01 DESIGN PLANS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

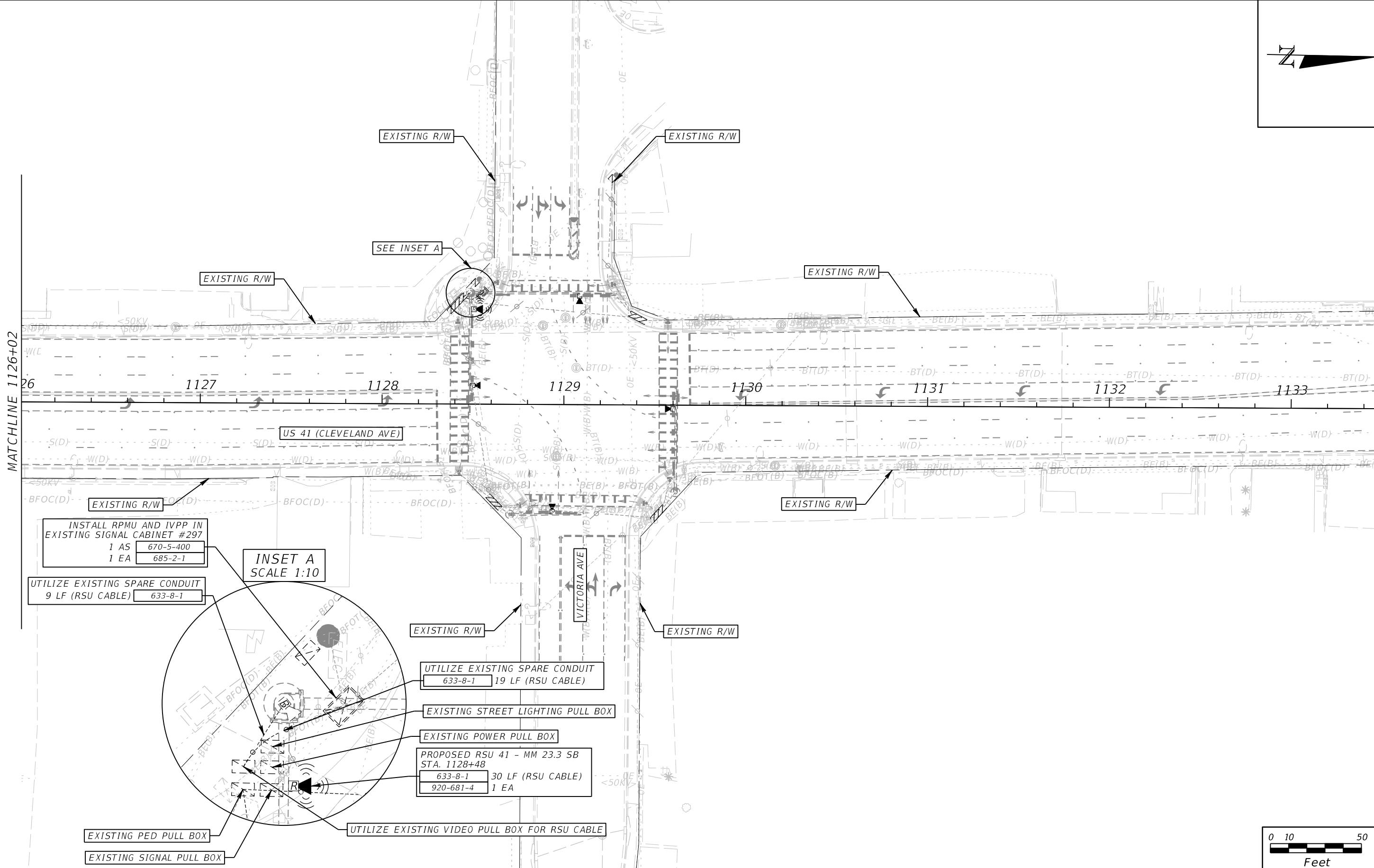
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	4453631-1-52-01

ITS PLAN SHEET

SHEET NO.
35

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MATCHLINE 1126+02

INSTALL RPMU AND IVPP IN EXISTING SIGNAL CABINET #297
 1 AS 670-5-400
 1 EA 685-2-1

UTILIZE EXISTING SPARE CONDUIT
 9 LF (RSU CABLE) 633-8-1

INSET A
 SCALE 1:10

UTILIZE EXISTING SPARE CONDUIT
 633-8-1 19 LF (RSU CABLE)

EXISTING STREET LIGHTING PULL BOX

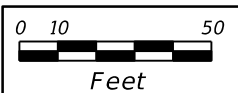
EXISTING POWER PULL BOX

PROPOSED RSU 41 - MM 23.3 SB
 STA. 1128+48
 633-8-1 30 LF (RSU CABLE)
 920-681-4 1 EA

EXISTING PED PULL BOX

EXISTING SIGNAL PULL BOX

UTILIZE EXISTING VIDEO PULL BOX FOR RSU CABLE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

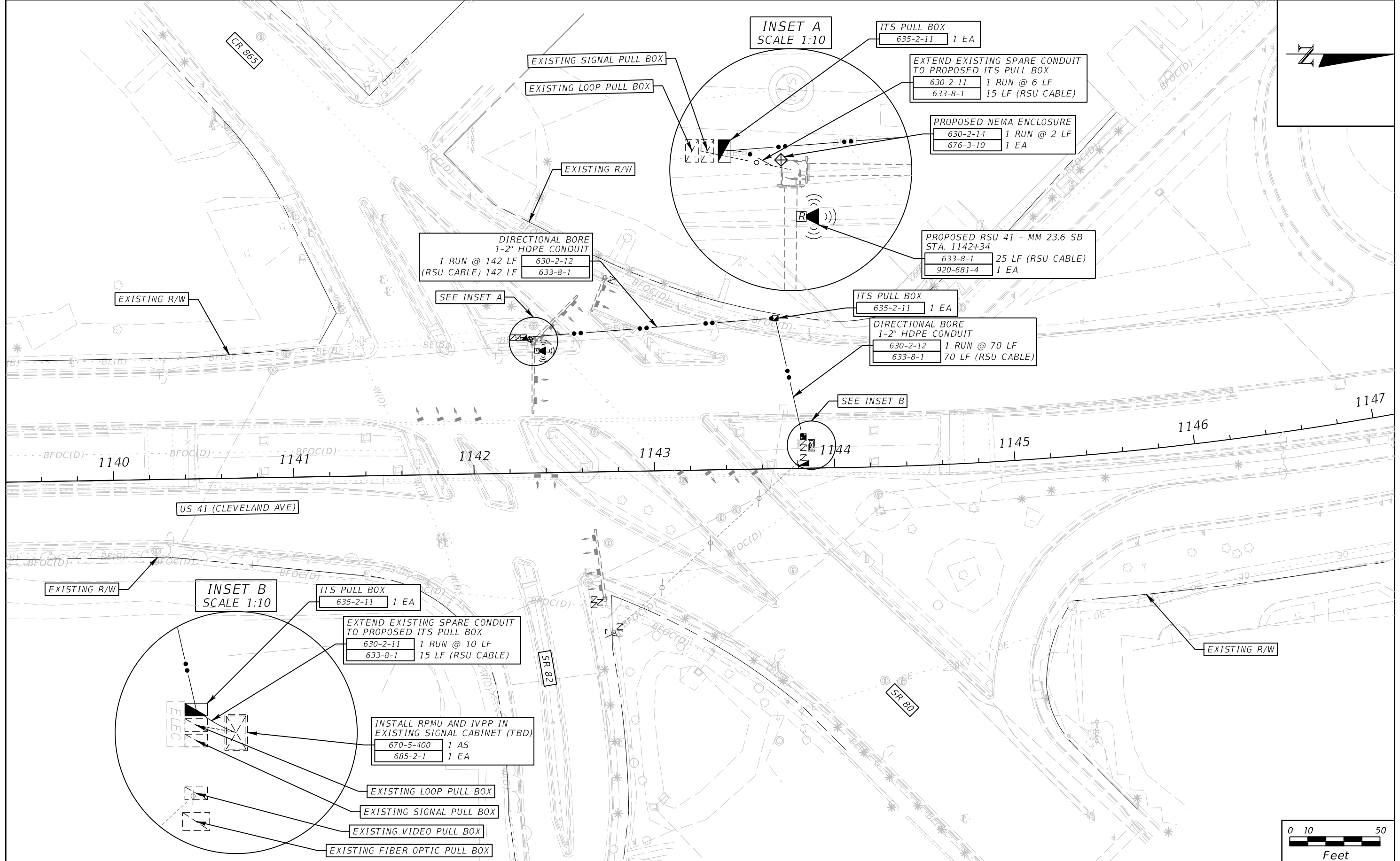
RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
 36

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

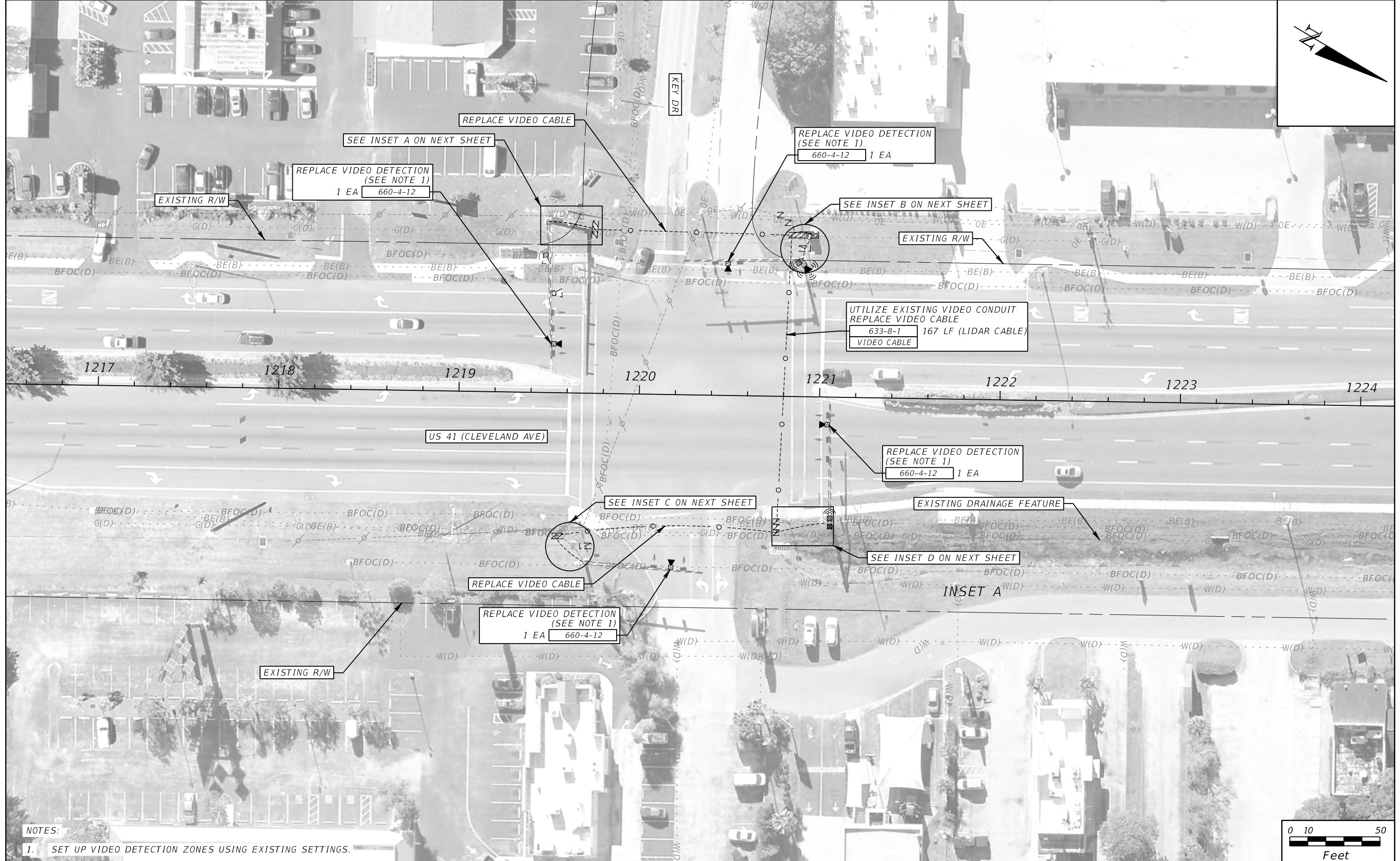
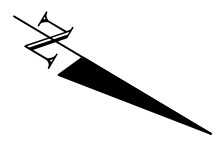
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
37

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- NOTES:
1. SET UP VIDEO DETECTION ZONES USING EXISTING SETTINGS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

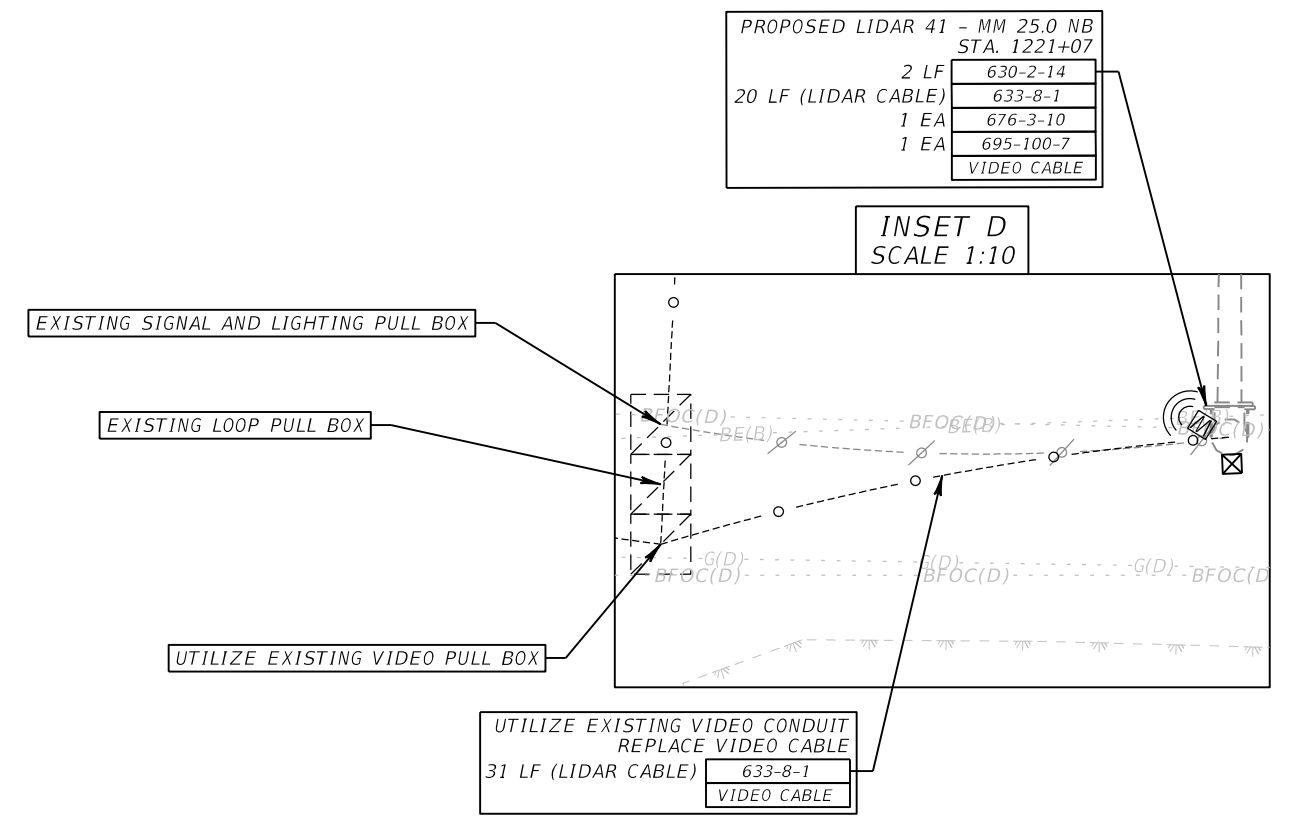
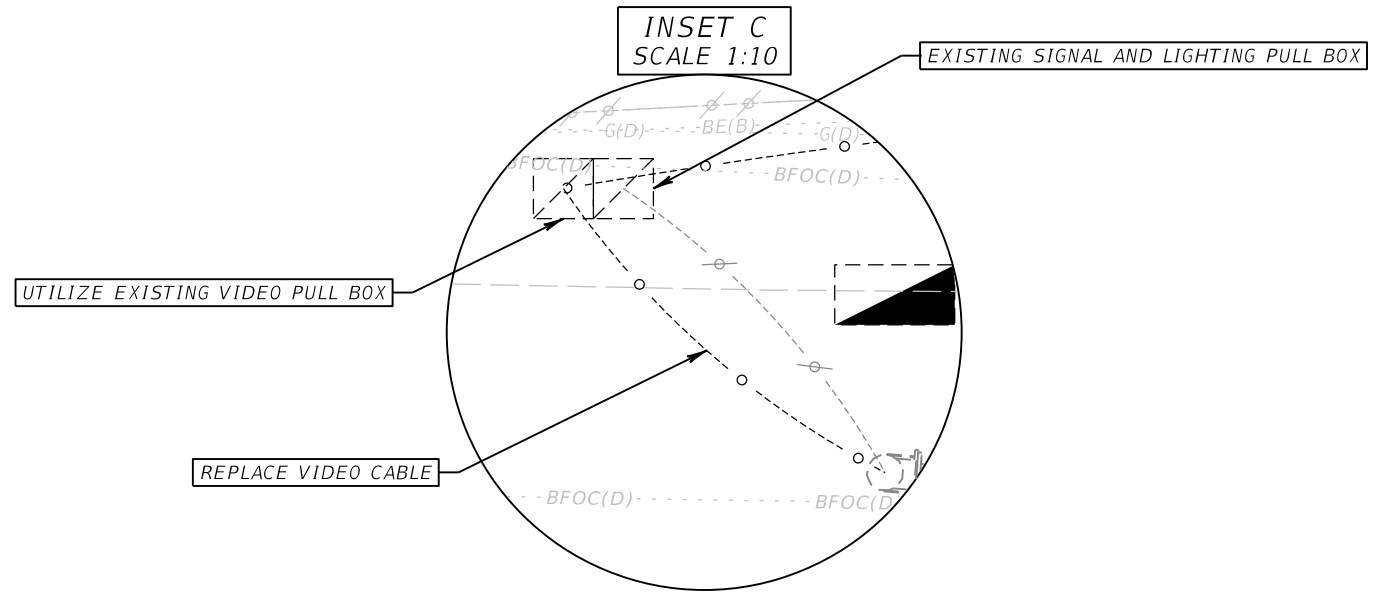
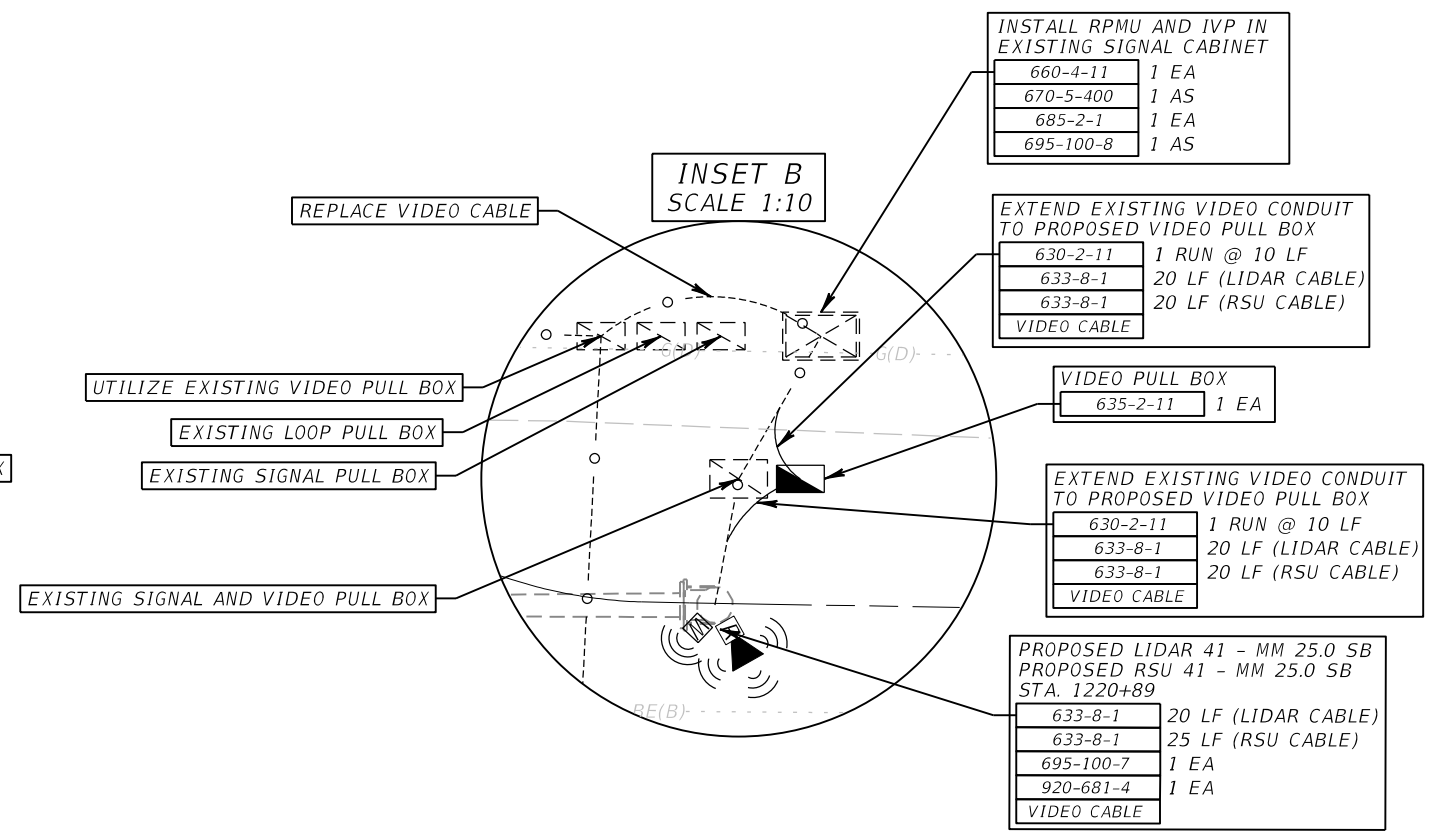
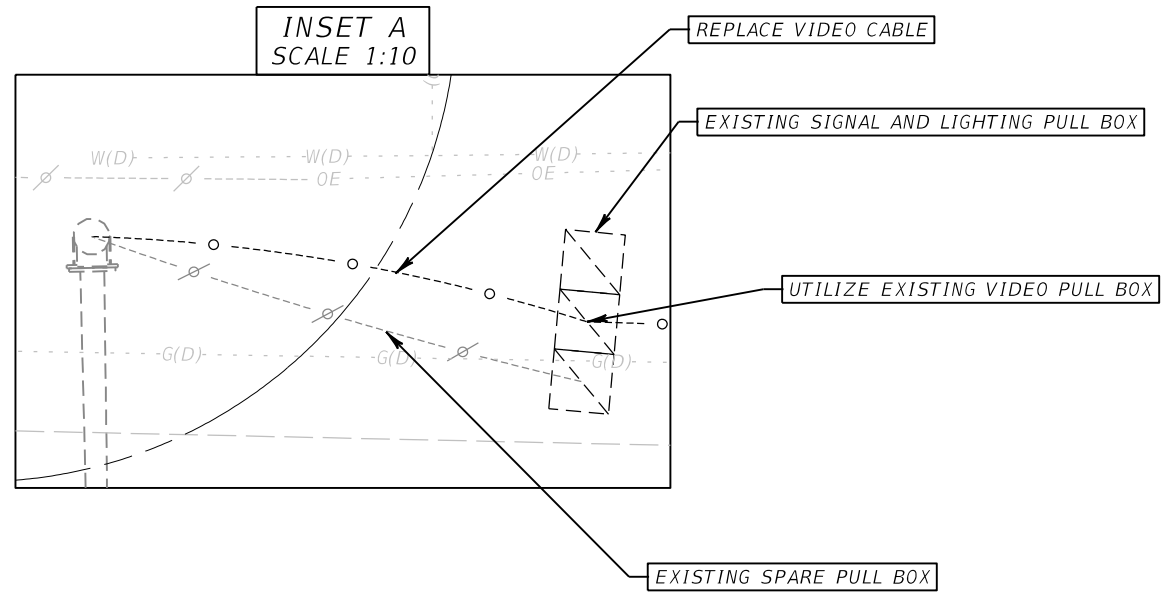
RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
38

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

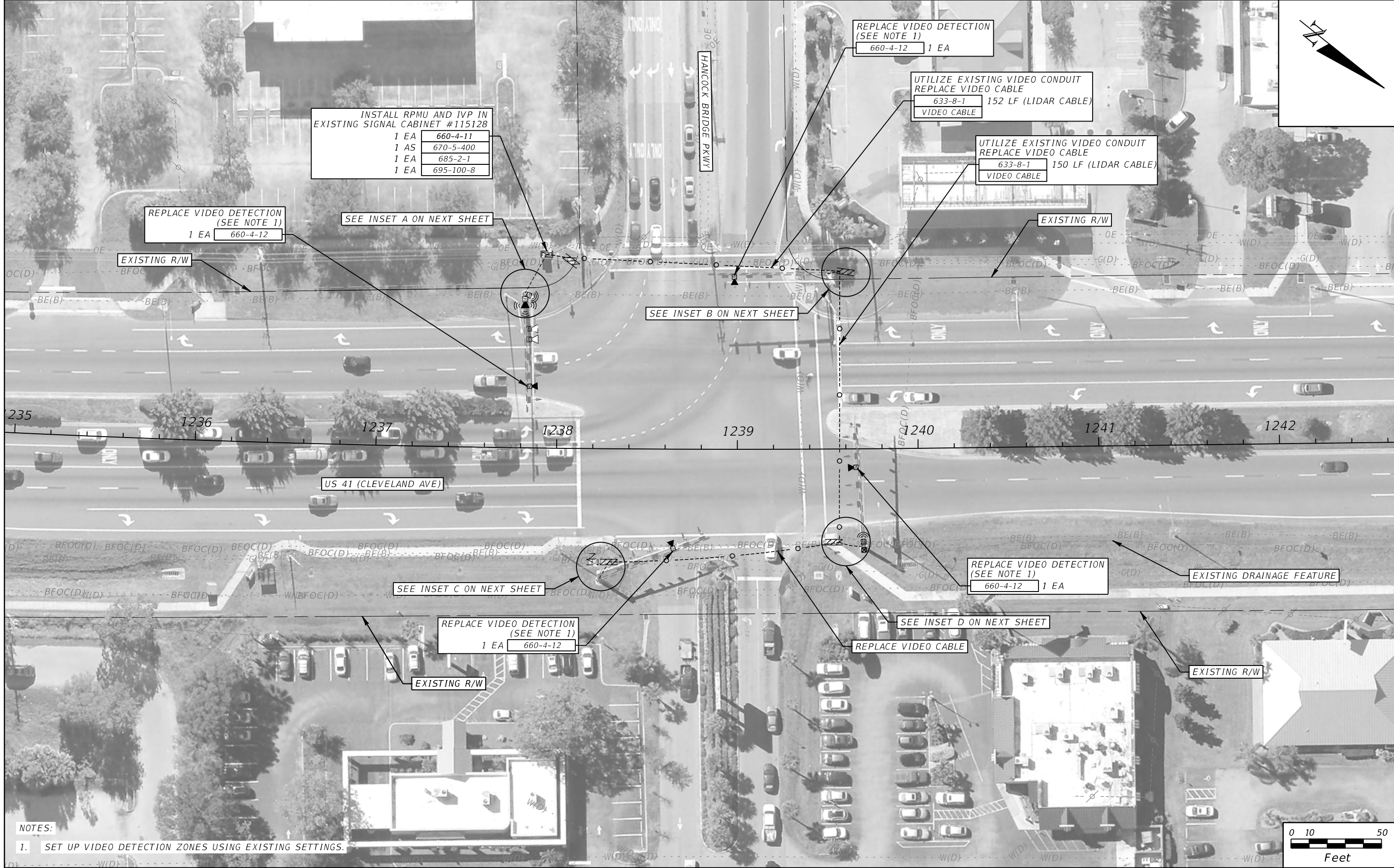
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
39

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



NOTES:
 1. SET UP VIDEO DETECTION ZONES USING EXISTING SETTINGS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

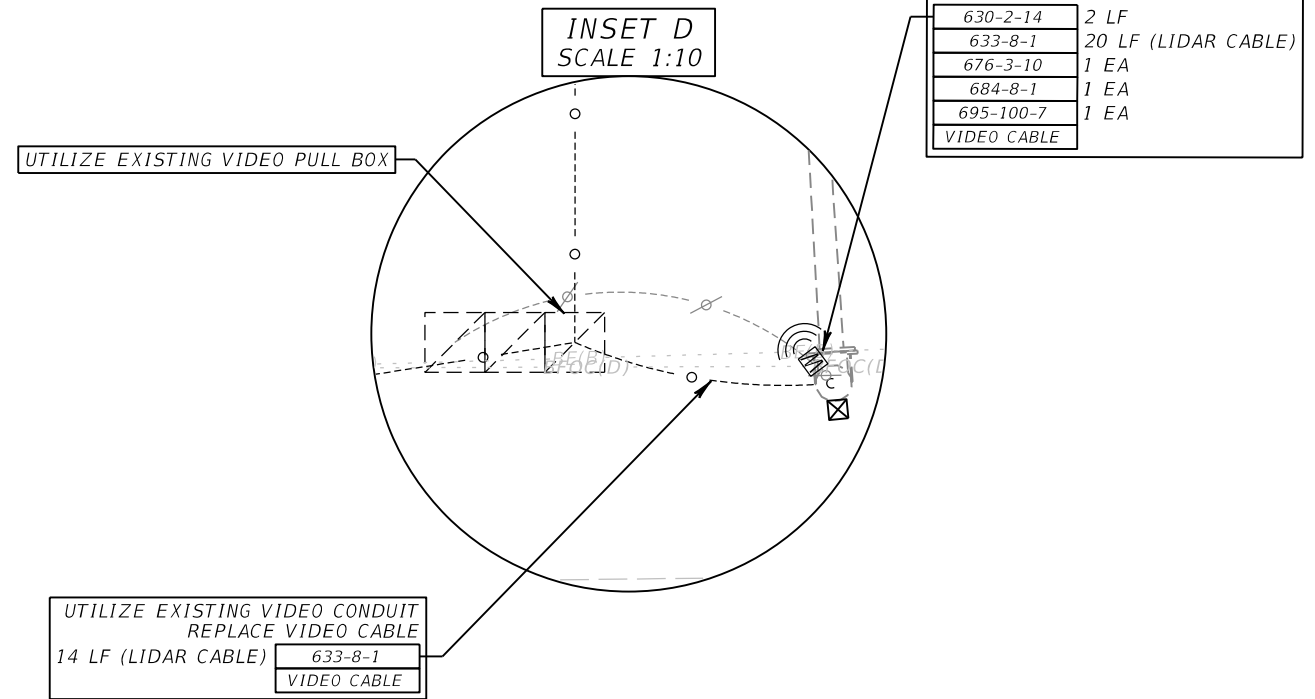
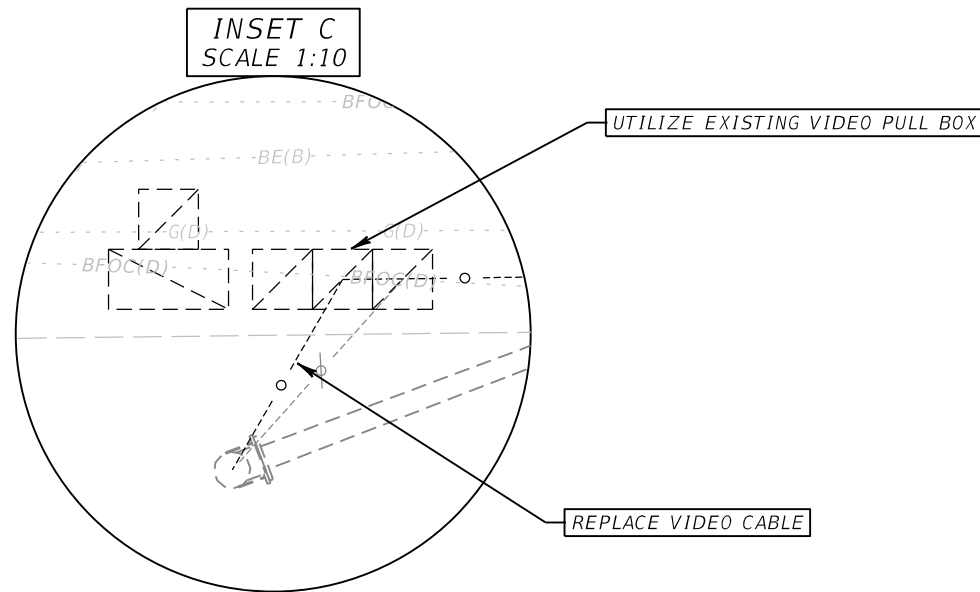
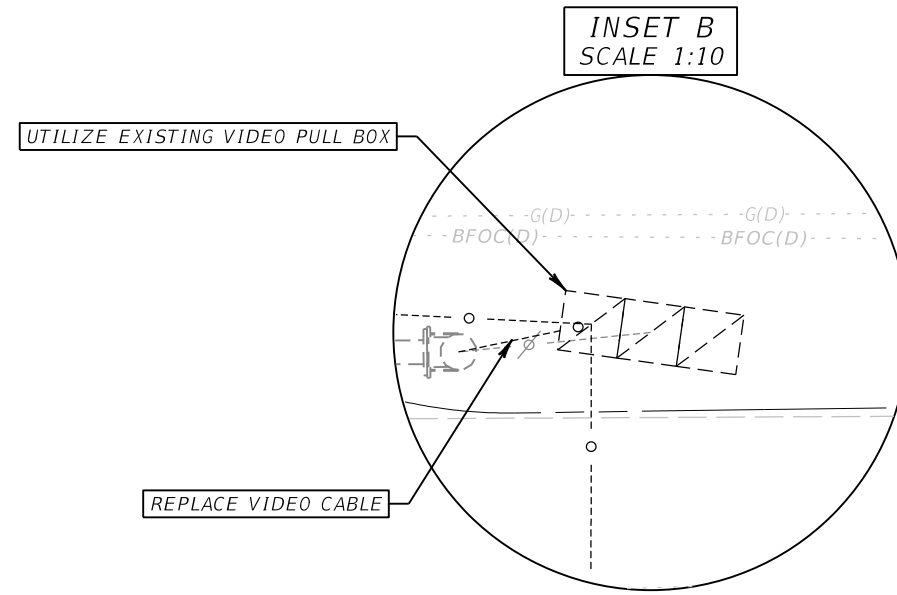
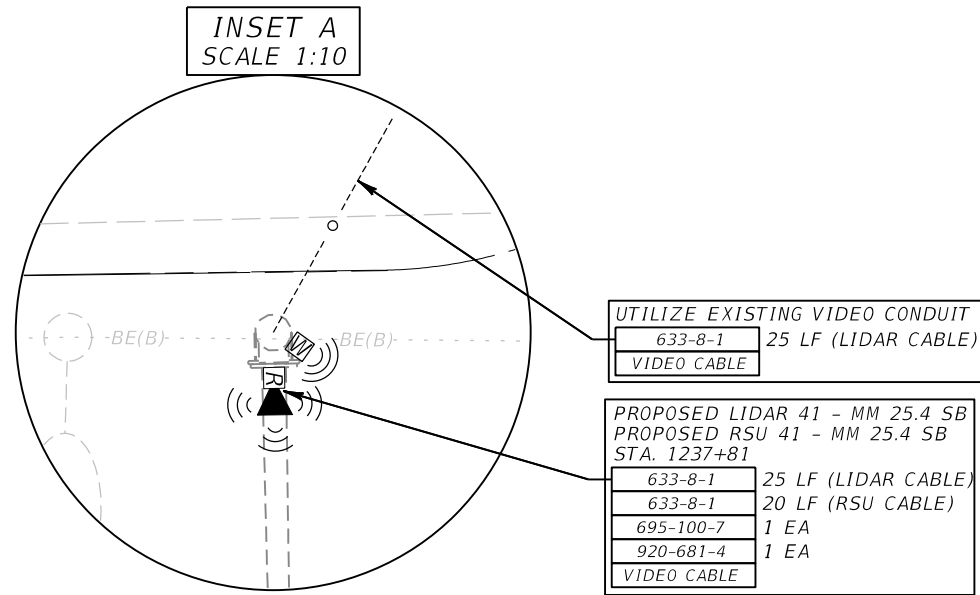
RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
40

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



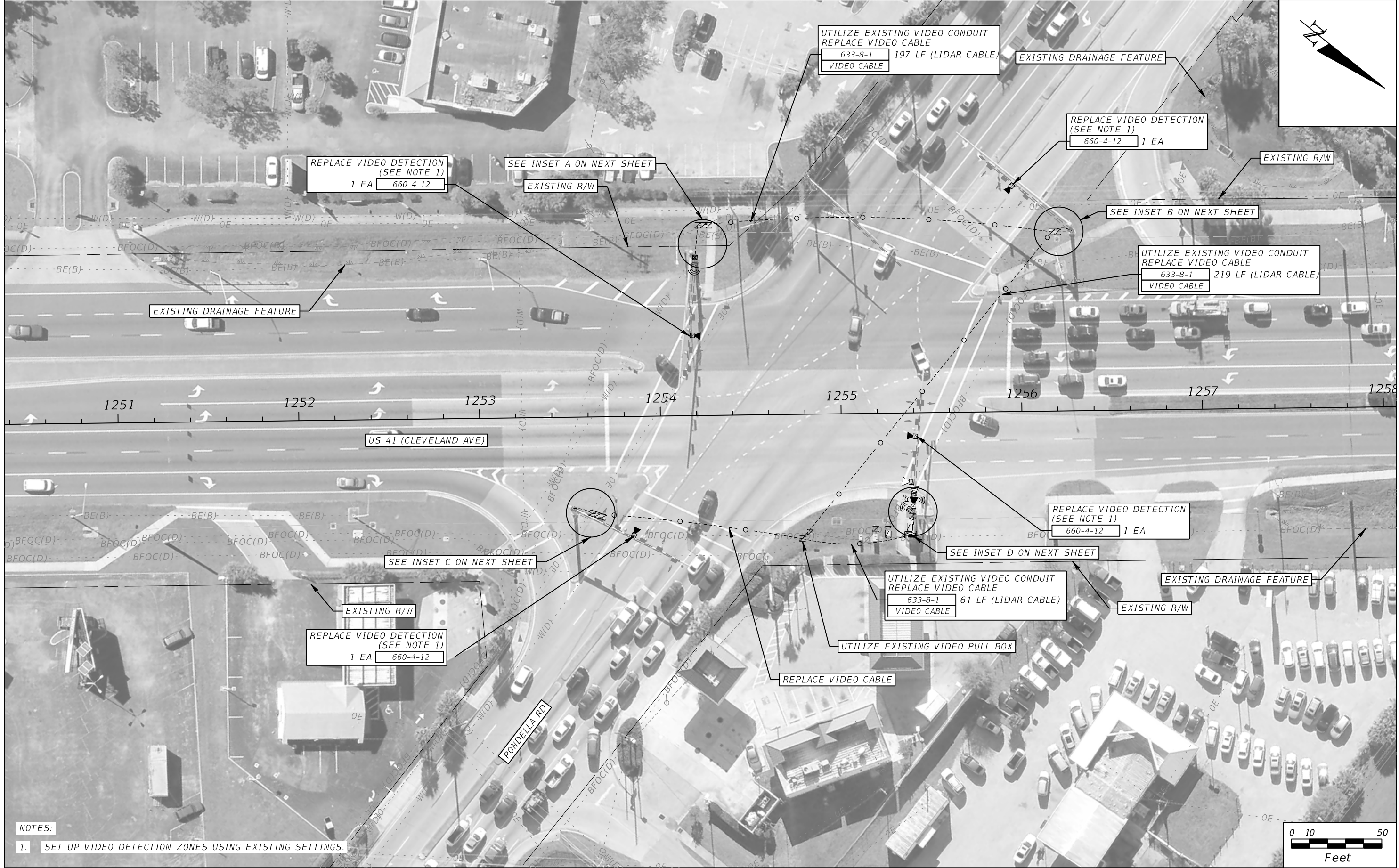
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
41



NOTES:
 1. SET UP VIDEO DETECTION ZONES USING EXISTING SETTINGS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

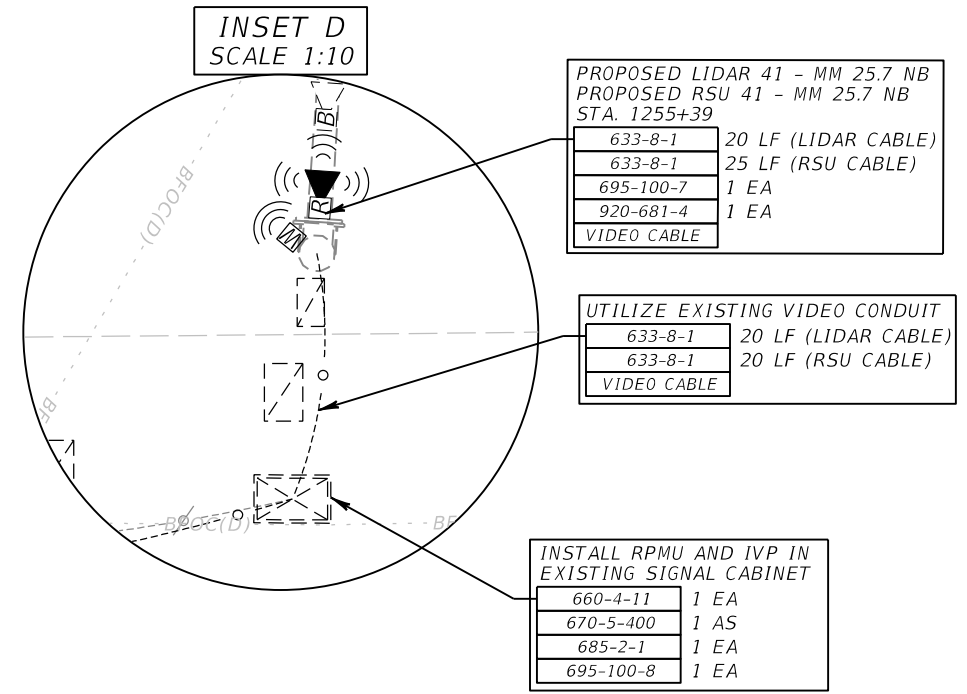
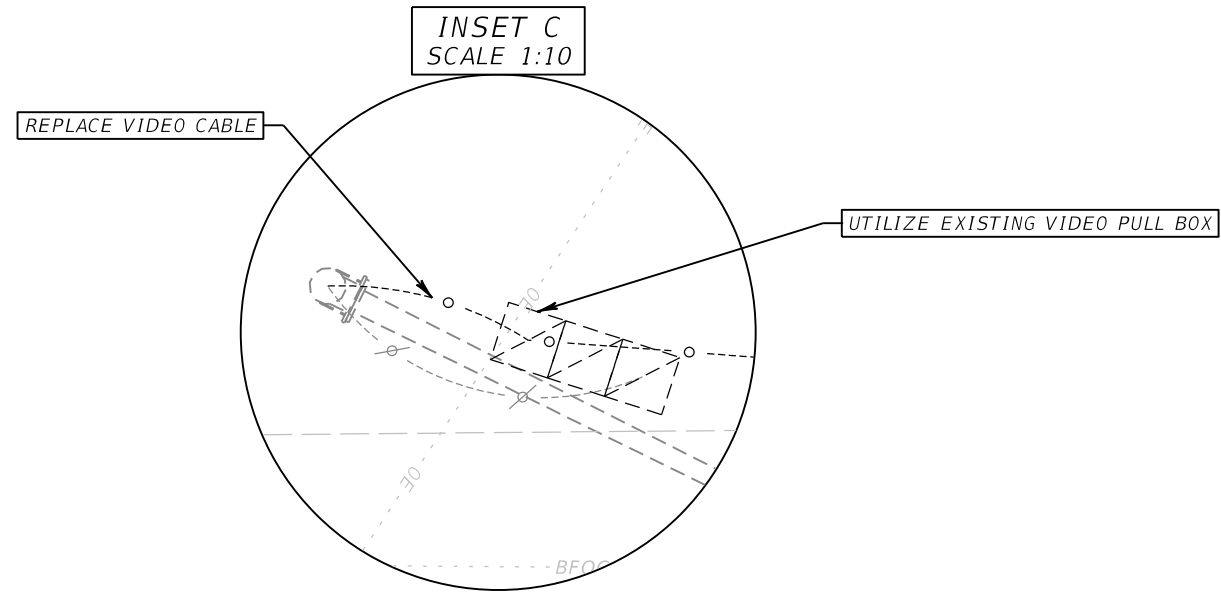
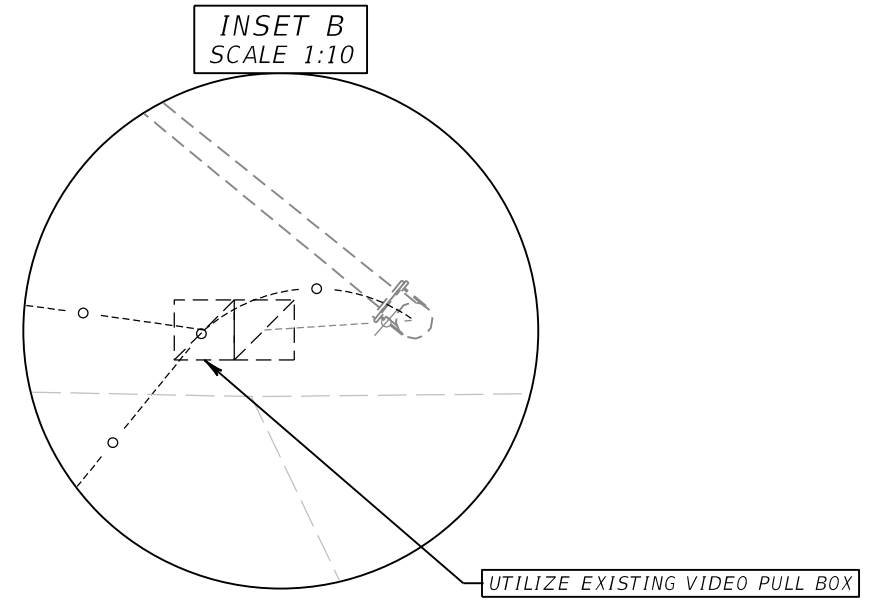
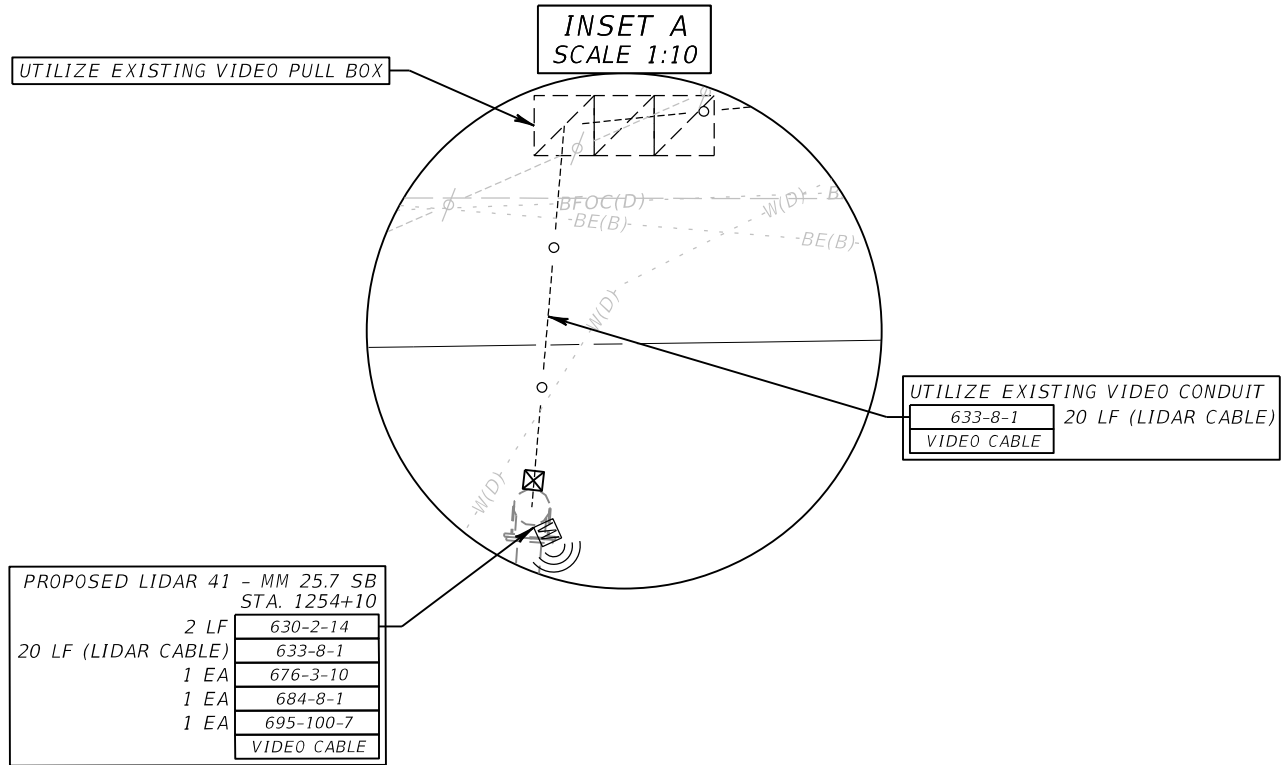
RICARDO J. GONZALEZ, P.E.
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 METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
42

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



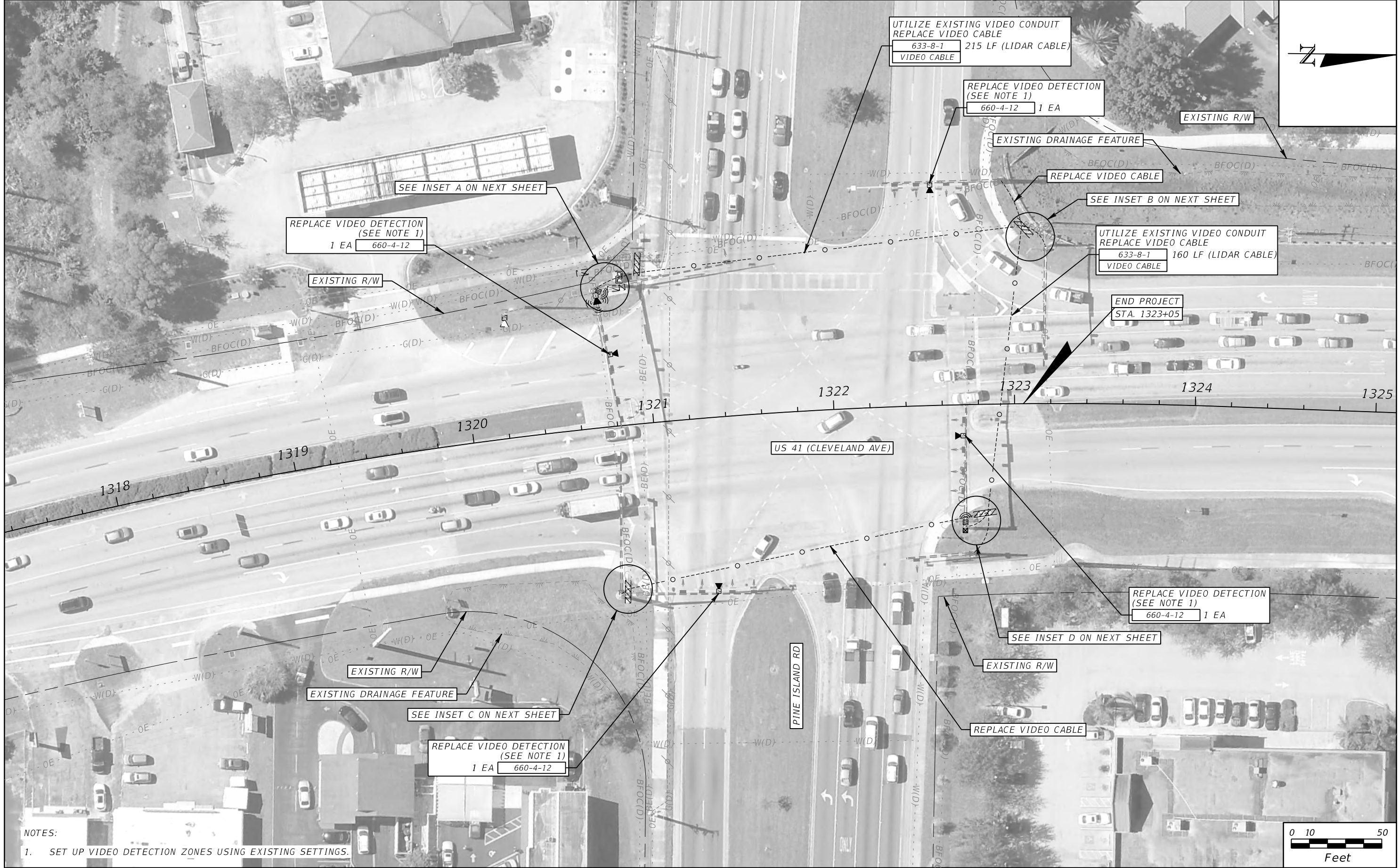
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
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METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

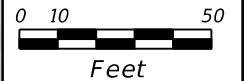
ITS PLAN SHEET

SHEET NO.
43



NOTES:

1. SET UP VIDEO DETECTION ZONES USING EXISTING SETTINGS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

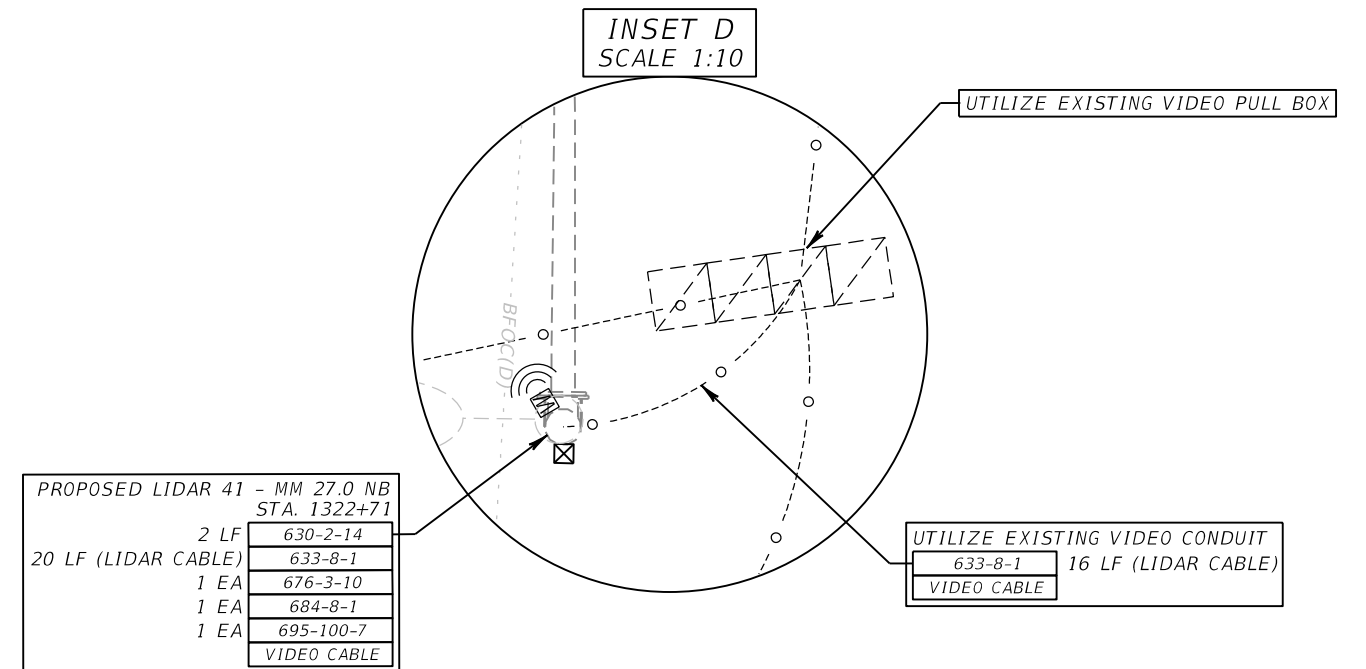
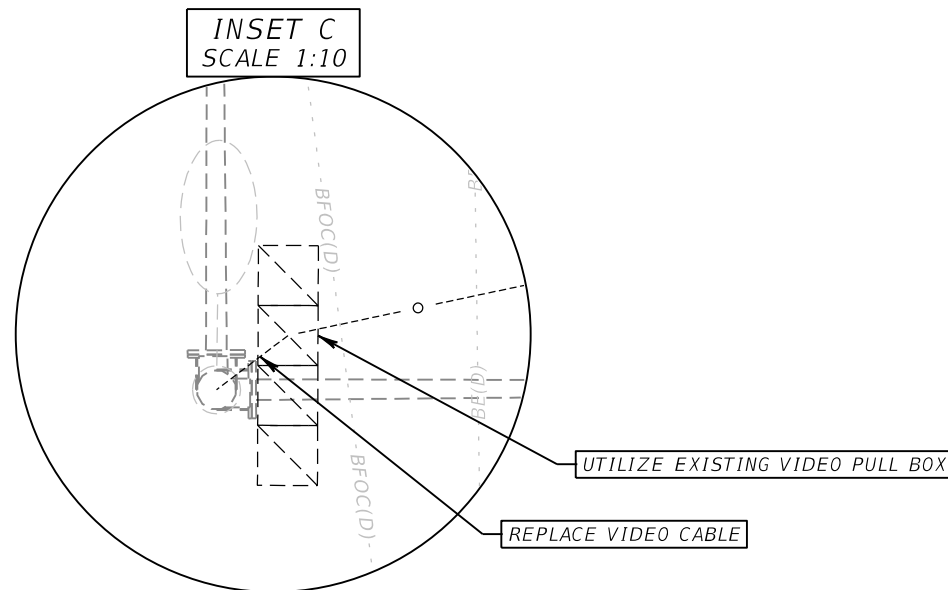
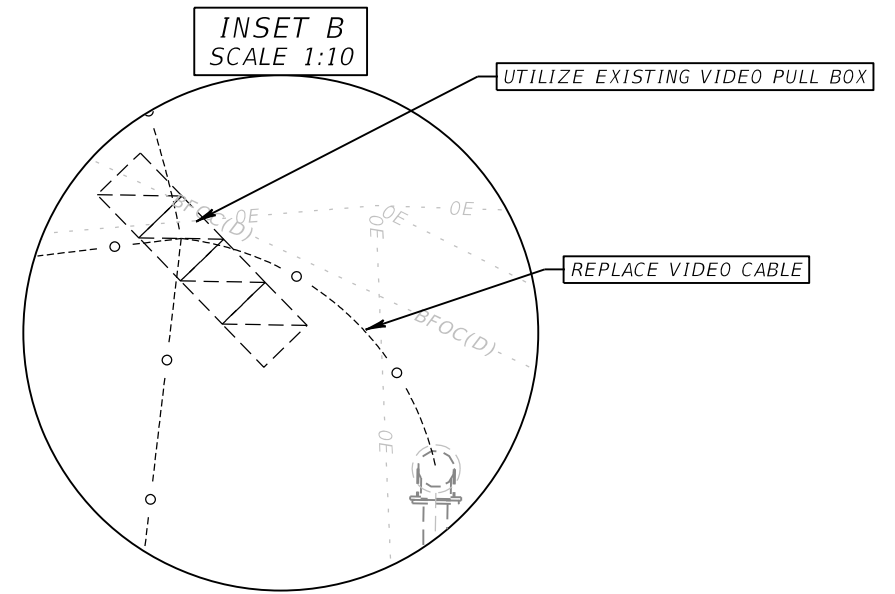
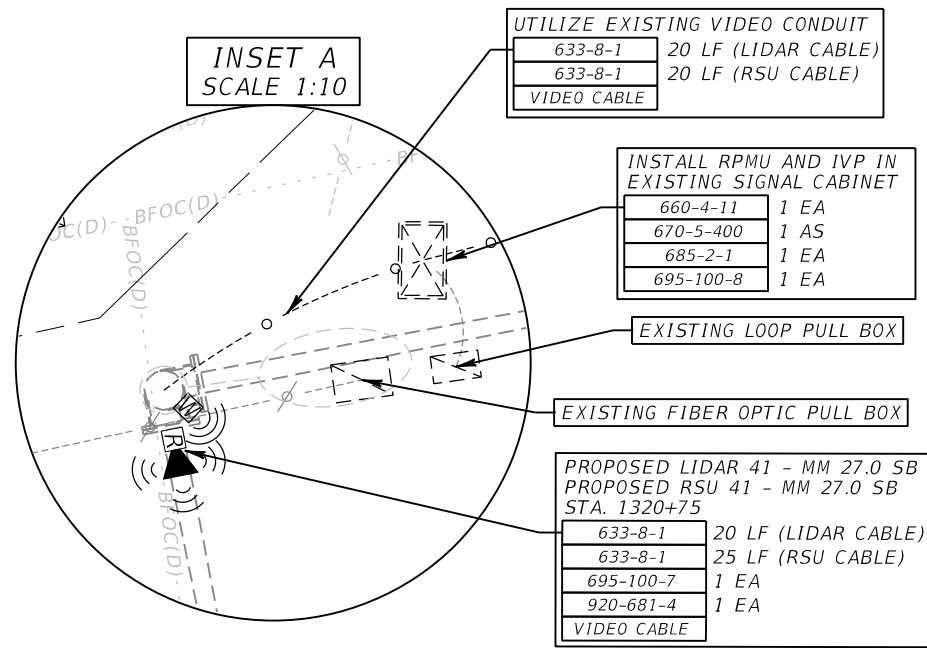
RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
44

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

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

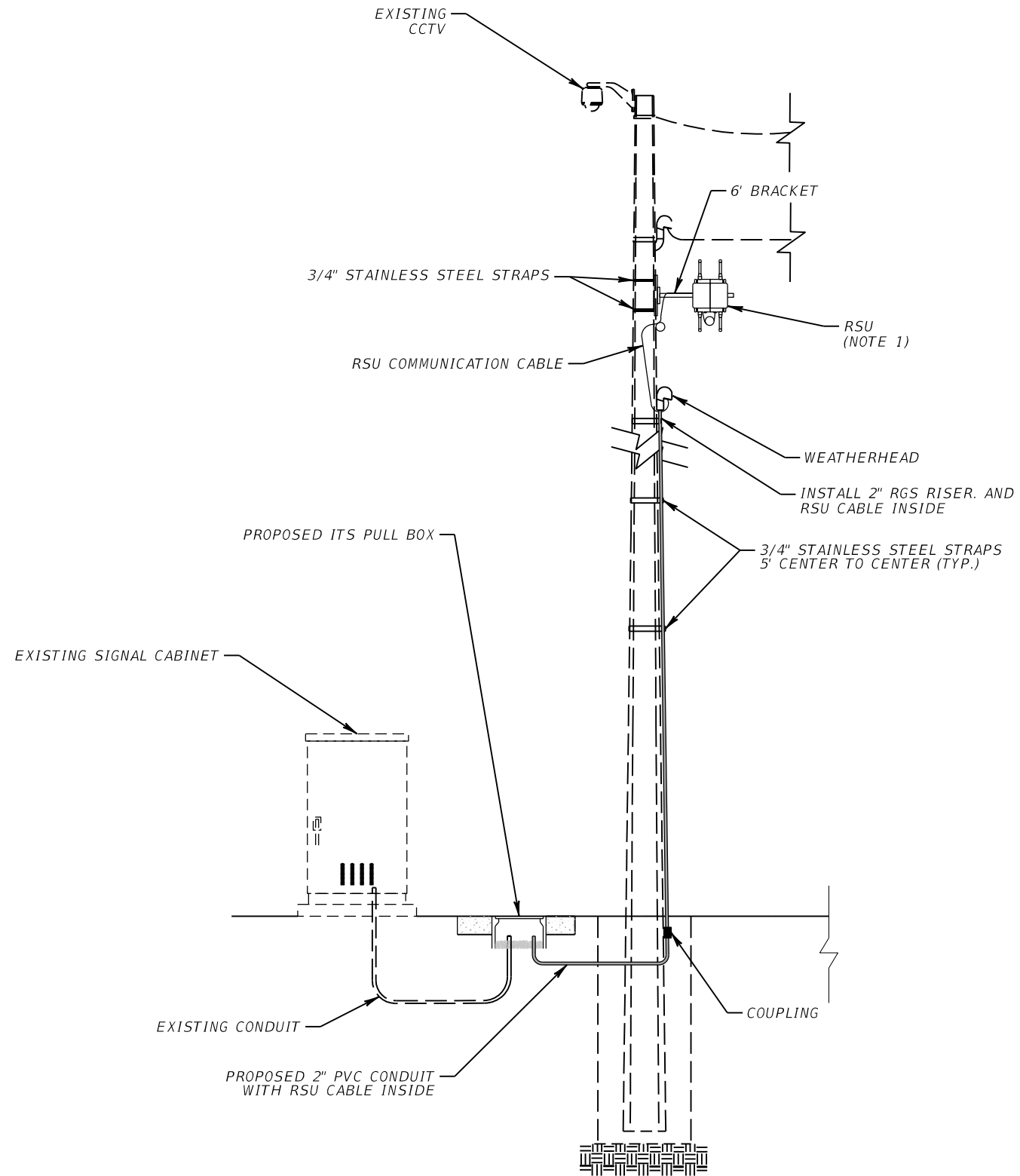
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS PLAN SHEET

SHEET NO.
45

SITE LOCATIONS:

RSU 41 - MM 20.3 SB
 SIGNAL CABINET # 100181
 US 41 @ AIRPORT RD



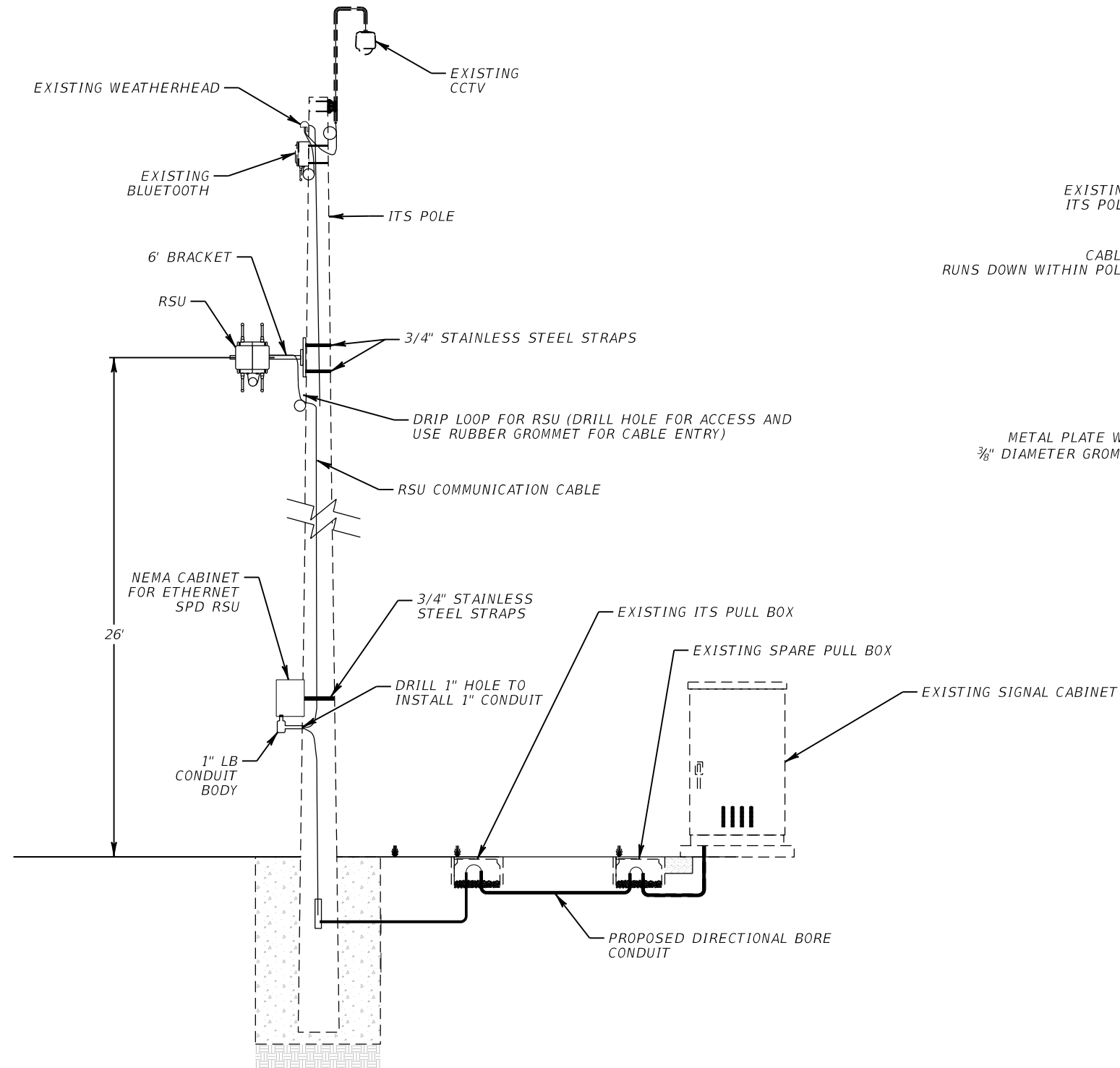
NOTE:

- 1. INSTALL RSU 26' ABOVEGROUND.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		46
					SR 45	LEE	445363-1-52-01		

SITE LOCATIONS:

RSU 41 - MM 20.5 SB
 SIGNAL CABINET # 100165
 US 41 @ COLONIAL BLVD



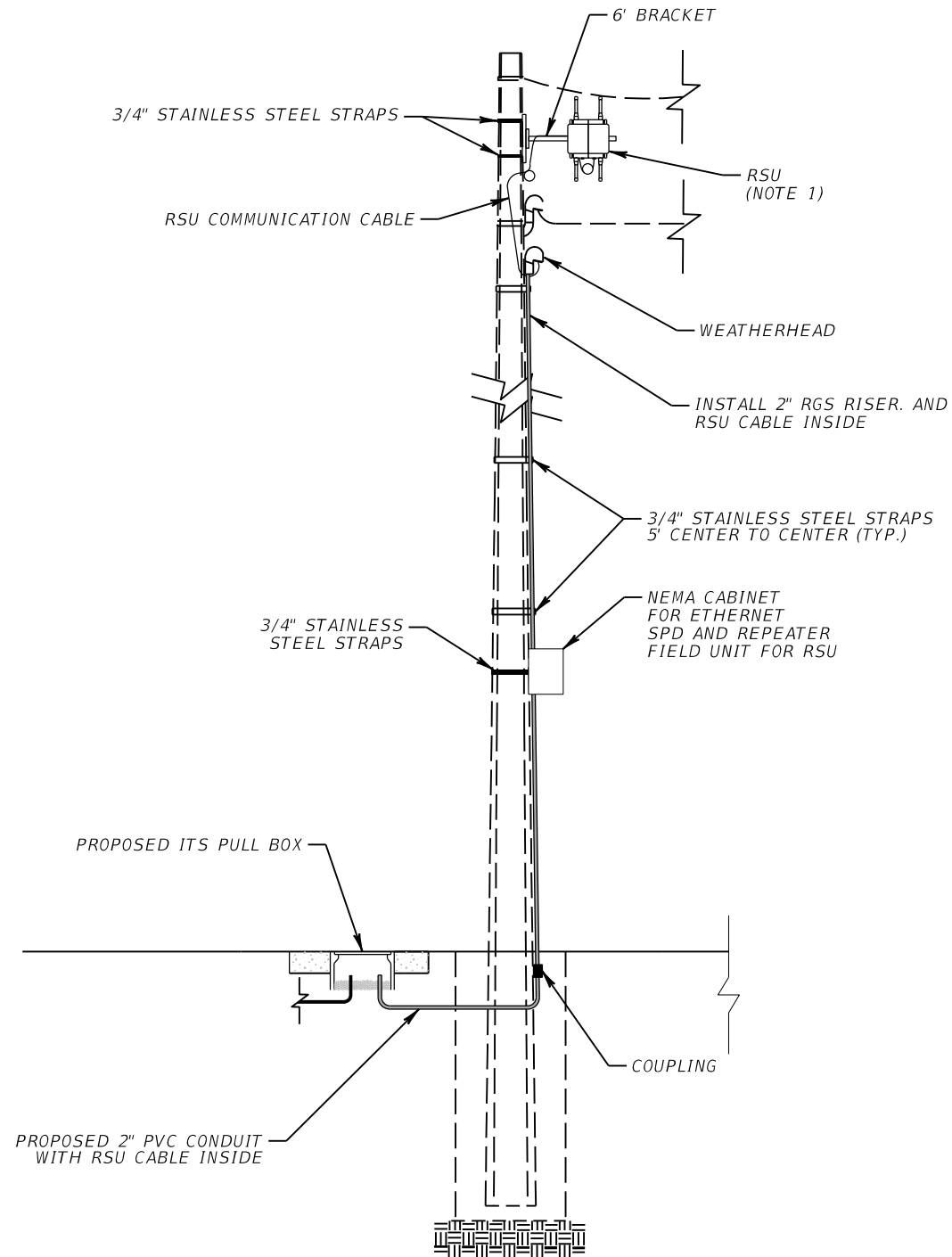
NOTE:

1. BOND NEMA CABINET AND SPD DEVICES TO EXISTING GROUNDING ARRAY WITH #2 AWG SOLID CONDUCTOR.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		47

SITE LOCATIONS:

RSU 41 - MM 20.9 NB
 SIGNAL CABINET @ COURTNEY DR
 US 41 @ COURTNEY DR



NOTE:

1. INSTALL RSU 26' ABOVEGROUND.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		48
					SR 45	LEE	445363-1-52-01		

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

SITE LOCATIONS:

RSU 41 - MM 21.1 NB
SIGNAL CABINET # 100162
US 41 @ WINKLER AVE

RSU 41 - MM 21.2 SB
SIGNAL CABINET # 1530
US 41 @ JEFFERSON AVE

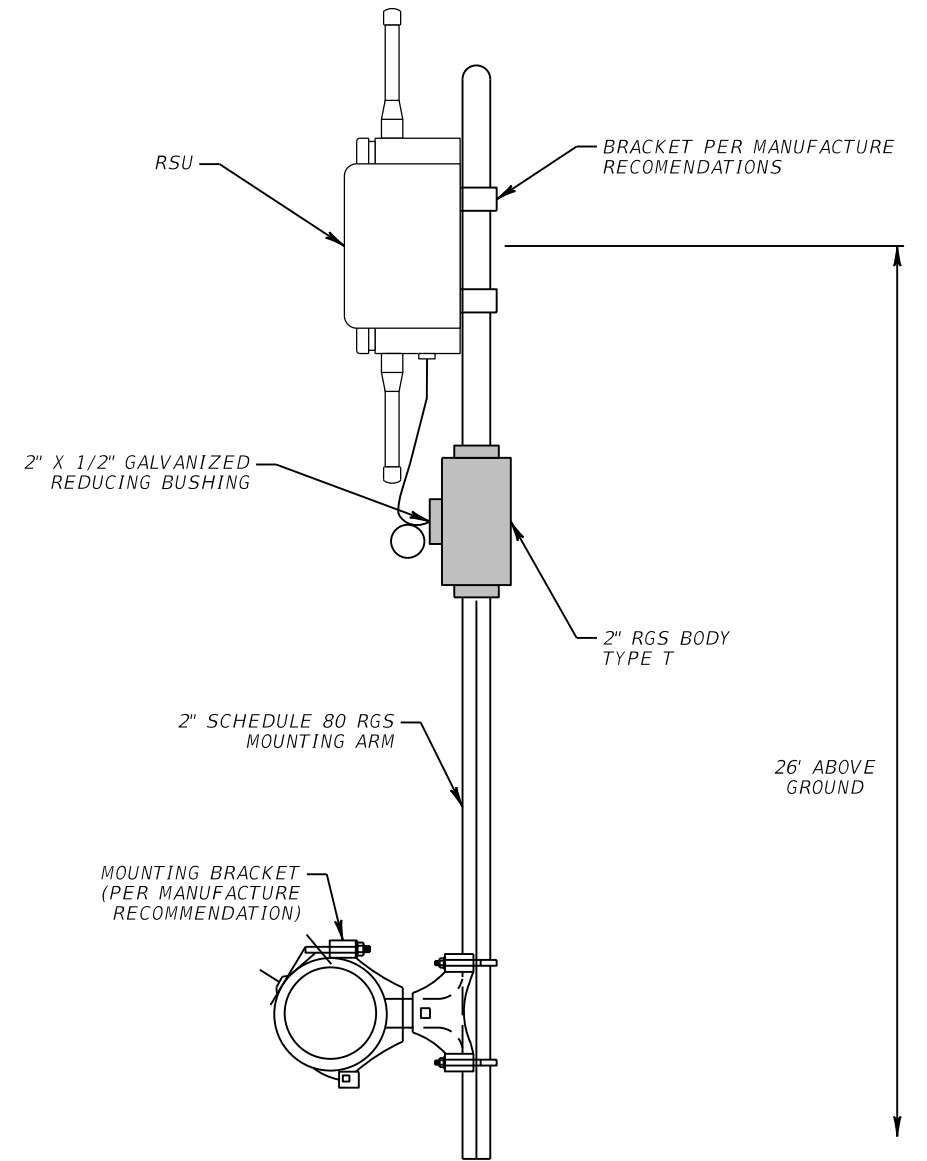
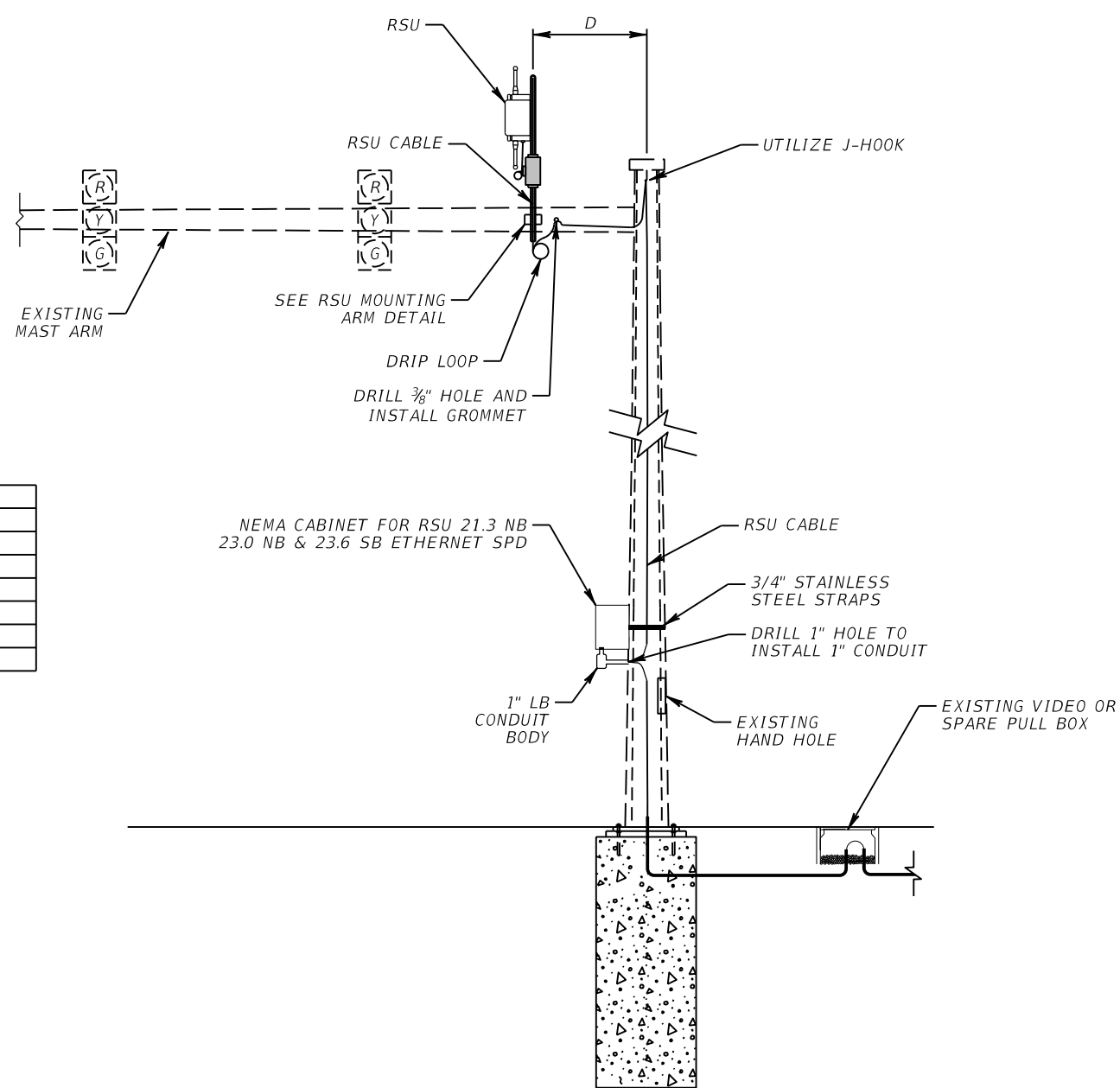
RSU 41 - MM 21.3 NB
SIGNAL CABINET # 290
US 41 @ COLLIER AVE

RSU 41 - MM 22.2 SB
SIGNAL CABINET # 1525
US 41 @ CORONADO RD

RSU 41 - MM 23.3 SB
SIGNAL CABINET # 297
US 41 @ VICTORIA AVE

RSU 41 - MM 23.6 SB
SIGNAL CABINET @ SR 80
US 41 @ SR 80

RSU	D
RSU 41 - MM 21.1 NB	17'
RSU 41 - MM 21.2 SB	17'
RSU 41 - MM 21.3 NB	30'
RSU 41 - MM 22.2 SB	7'
RSU 41 - MM 22.5 SB	20'
RSU 41 - MM 23.3 SB	9'
RSU 41 - MM 23.6 SB	5'



RSU MOUNTING ARM DETAIL
MAST ARM MOUNTED

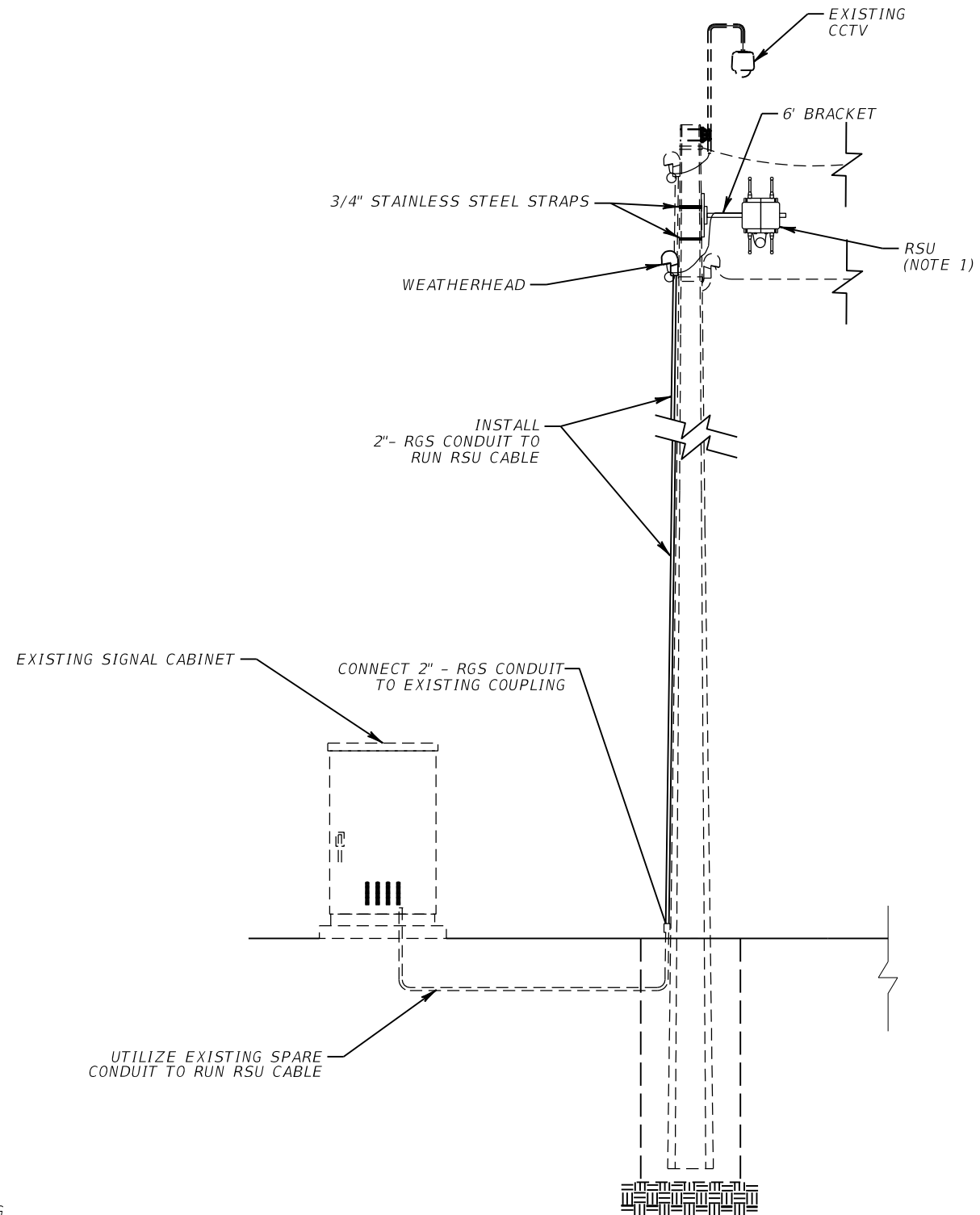
NOTE:

1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.
2. BOND NEMA CABINET AND SPD DEVICES TO EXISTING GROUNDING ARRAY WITH #2 AWG SOLID CONDUCTOR.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	LEE		445363-1-52-01

SITE LOCATIONS:

RSU 41 - MM 21.4 NB
 SIGNAL CABINET # 291
 US 41 @ HILL AVE



NOTE:

1. INSTALL RSU 2.5' ABOVE MESSENGER WIRE. EXISTING VIDEO DETECTION TO BE REMOVED UNDER PROJECT 431313-1-52-01

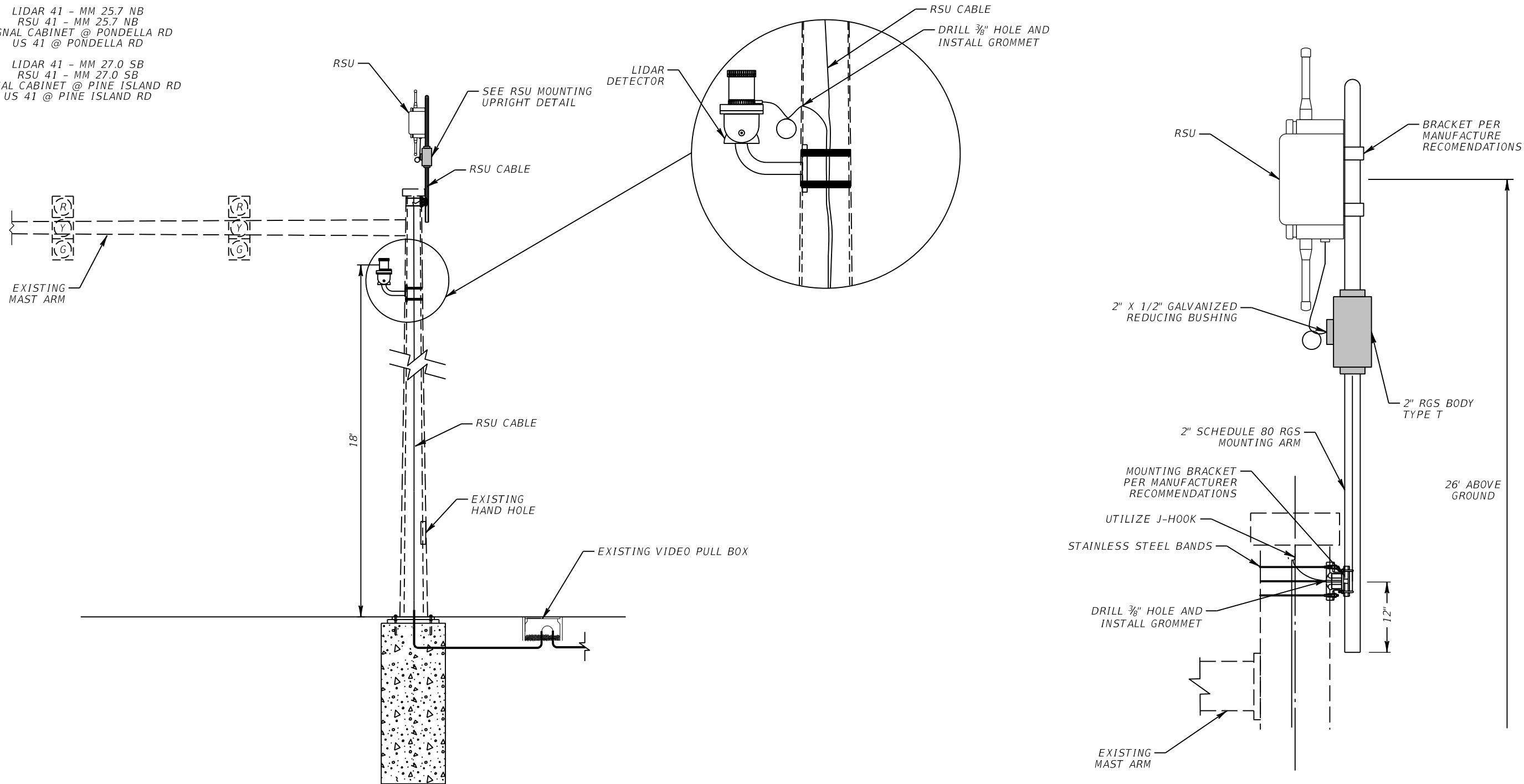
REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		50
					SR 45	LEE	445363-1-52-01		

SITE LOCATIONS:

LIDAR 41 - MM 25.0 SB
 RSU 41 - MM 25.0 SB
 SIGNAL CABINET @ KEY DR
 US 41 @ KEY DR

LIDAR 41 - MM 25.7 NB
 RSU 41 - MM 25.7 NB
 SIGNAL CABINET @ PONDELLA RD
 US 41 @ PONDELLA RD

LIDAR 41 - MM 27.0 SB
 RSU 41 - MM 27.0 SB
 SIGNAL CABINET @ PINE ISLAND RD
 US 41 @ PINE ISLAND RD



NOTE:
 1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.

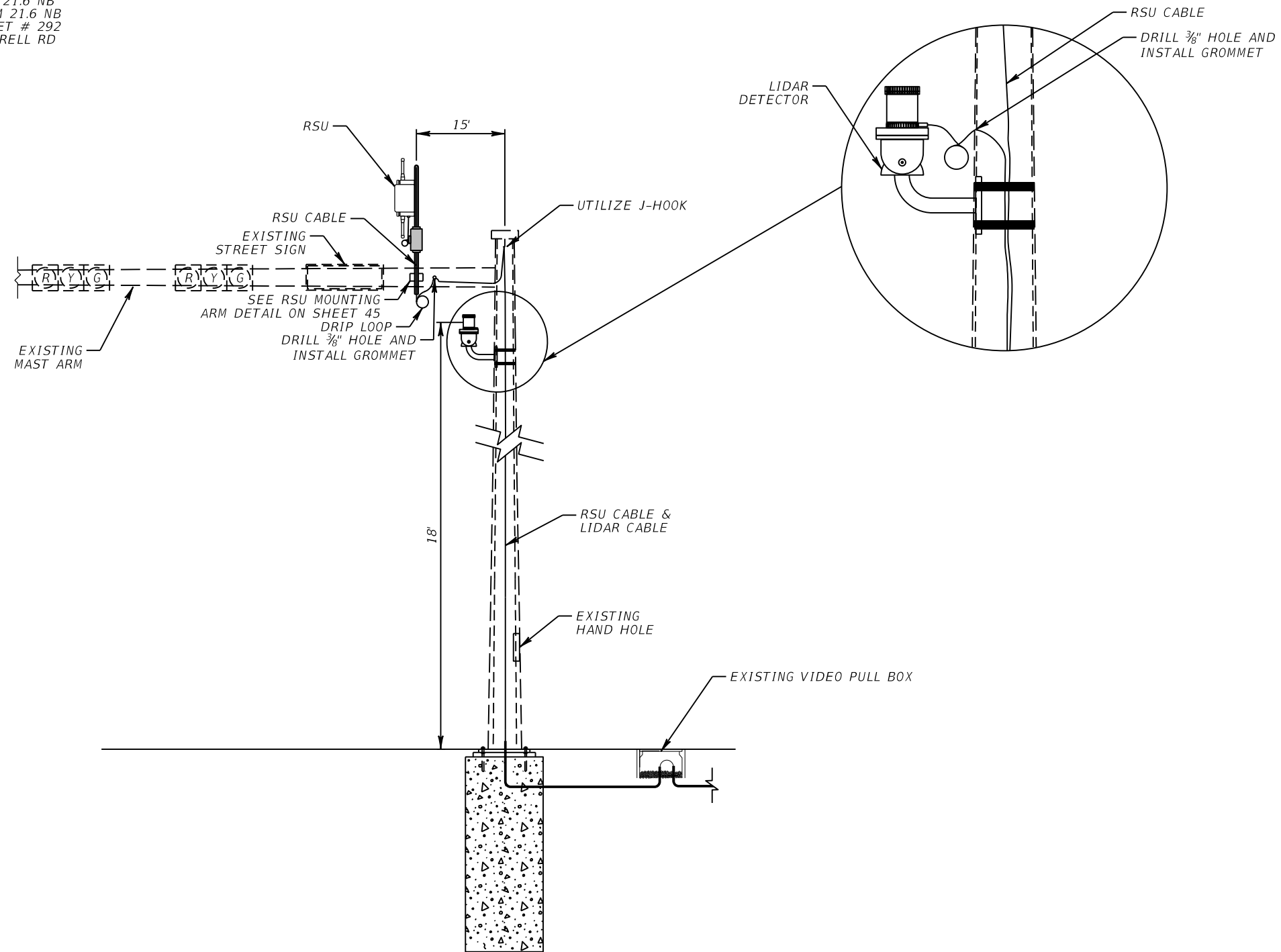
RSU MOUNTING ARM DETAIL
 MAST UPRIGHT MOUNTED

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		51

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

SITE LOCATIONS:

RSU 41 - MM 21.6 NB
 LIDAR 41 - MM 21.6 NB
 SIGNAL CABINET # 292
 US 41 @ CARRELL RD



NOTE:

1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.
2. ORIENT LIDAR TOWARD CROSSWALK.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		52
					SR 45	LEE	445363-1-52-01		

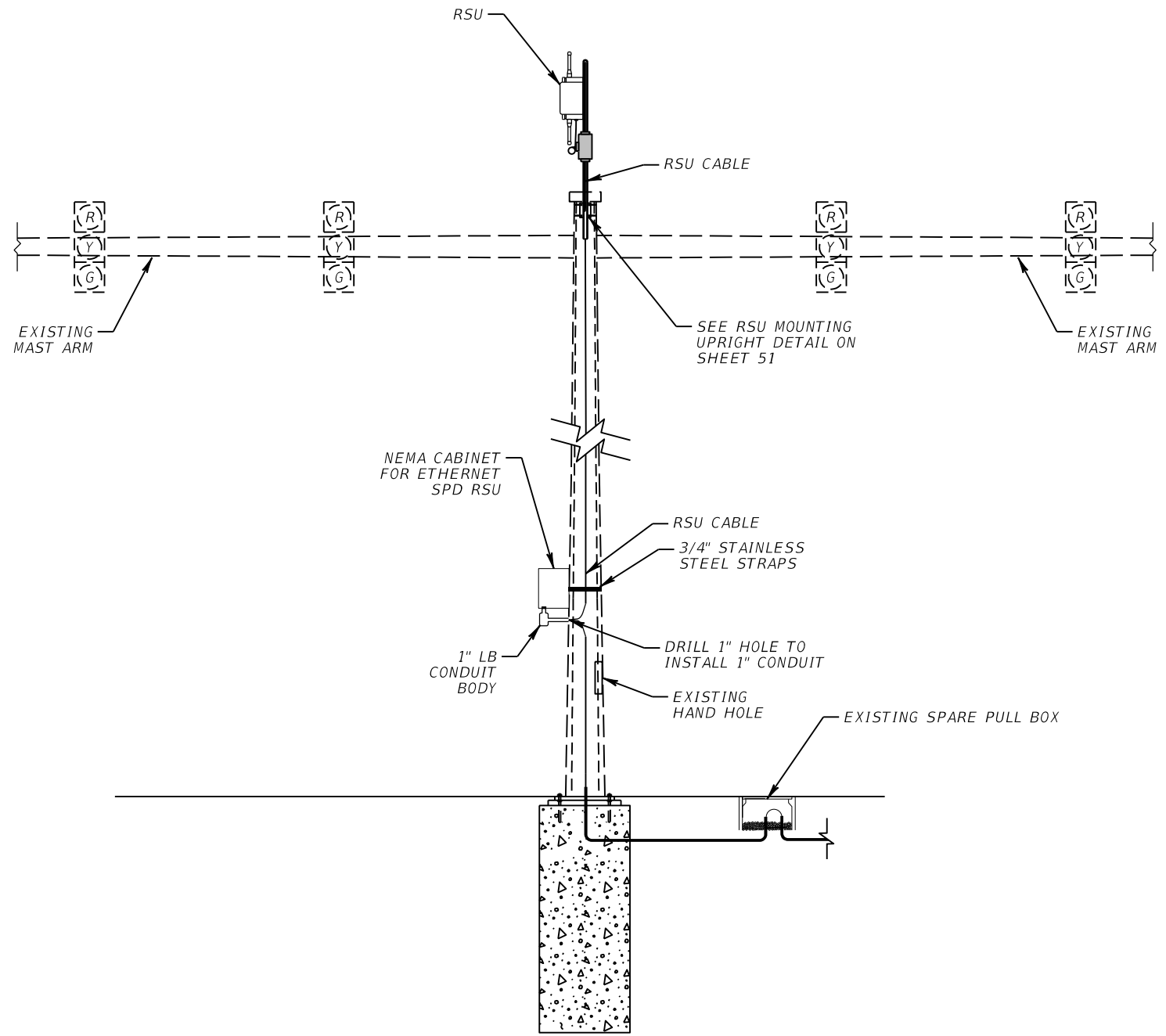
SITE LOCATIONS:

RSU 41 - MM 21.8 SB
SIGNAL CABINET # 1527
US 41 @ MARAVILLA LN

RSU 41 - MM 21.9 SB
SIGNAL CABINET # 1526
US 41 @ RICARDO AVE

RSU 41 - MM 22.4 SB
SIGNAL CABINET @ MID-BLOCK CROSSING
US 41 @ MID-BLOCK CROSSING

RSU 41 - MM 23.2 NB
SIGNAL CABINET # 1523
US 41 @ CRAWFORD ST



NOTE:

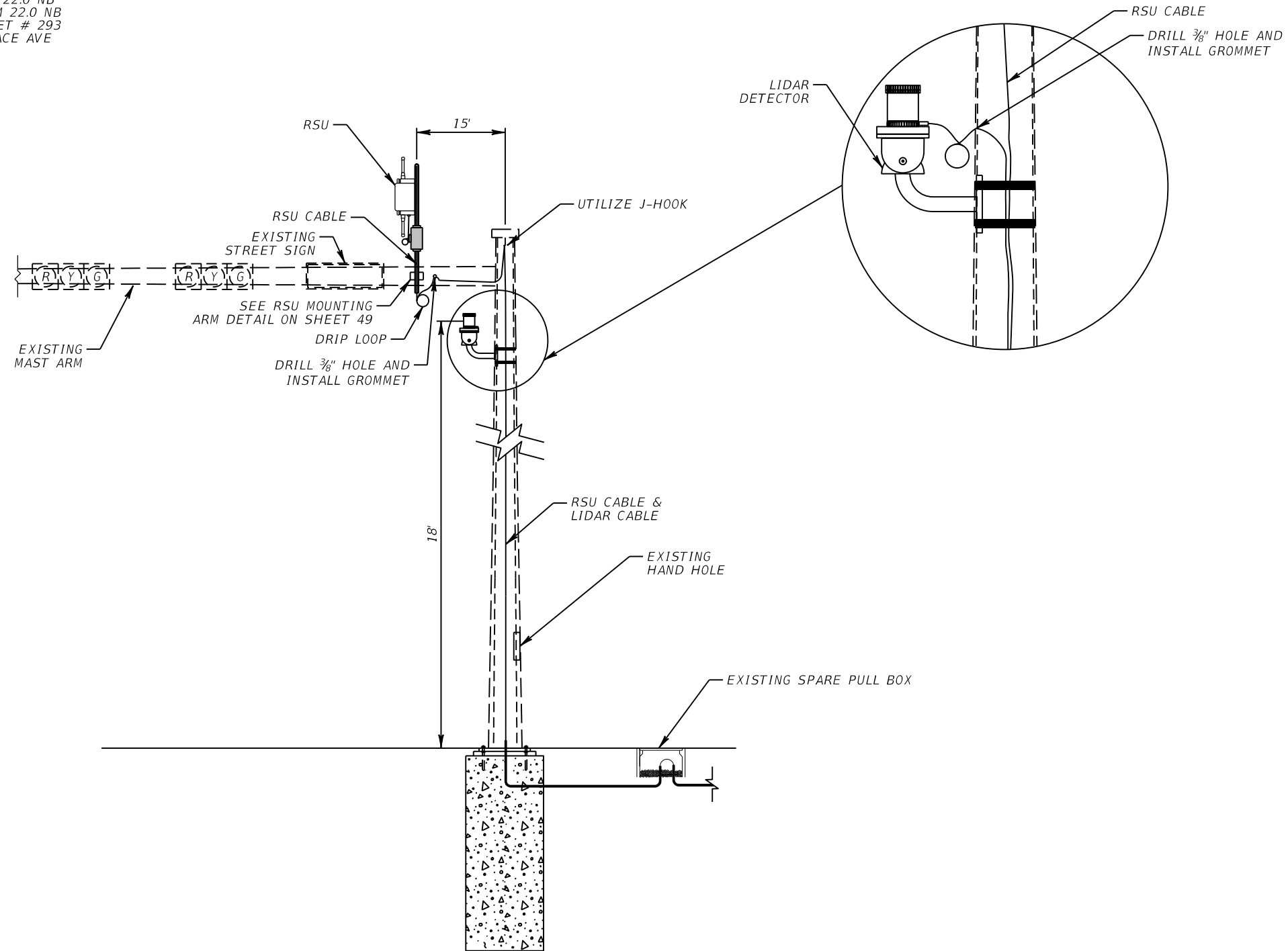
1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.
2. BOND NEMA CABINET AND SPD DEVICES TO EXISTING GROUNDING ARRAY WITH #2 AWG SOLID CONDUCTOR.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		53

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

SITE LOCATIONS:

RSU 41 - MM 22.0 NB
 LIDAR 41 - MM 22.0 NB
 SIGNAL CABINET # 293
 US 41 @ GRACE AVE



NOTE:

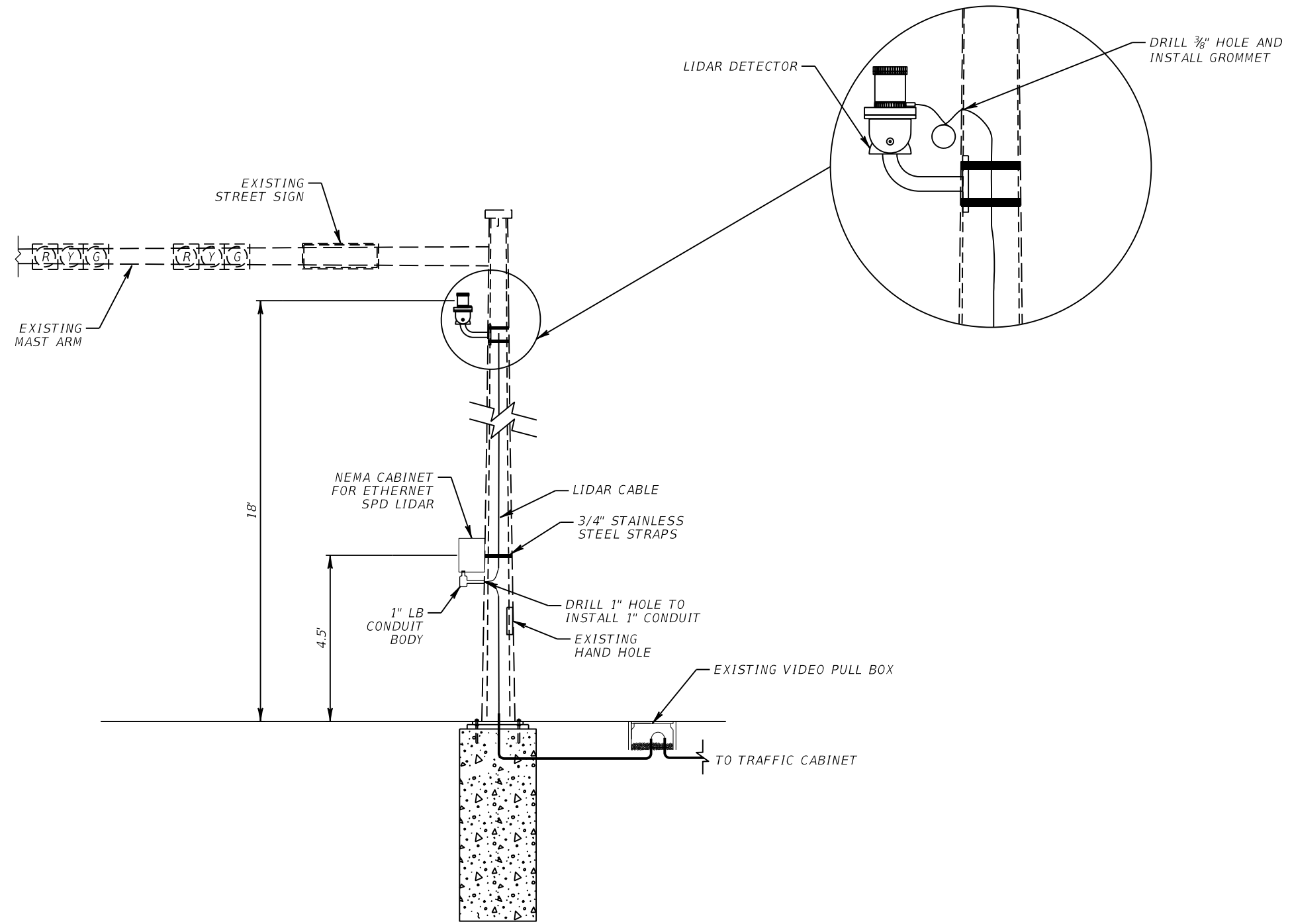
1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS SHEET NO. 54
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	LEE	445363-1-52-01	

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

SITE LOCATIONS:

- LIDAR 41 - MM 21.6 SB
SIGNAL CABINET # 292
US 41 @ CARRELL RD
- LIDAR 41 - MM 22.0 SB
SIGNAL CABINET # 293
US 41 @ GRACE AVE
- LIDAR 41 - MM 23.0 NB
SIGNAL CABINET # 296
US 41 @ EDISON AVE
- LIDAR 41 - MM 25.0 NB
SIGNAL CABINET @ KEY DR
US 41 @ KEY DR
- LIDAR 41 - MM 25.4 NB
SIGNAL CABINET # 115128
US 41 @ HANCOCK BRIDGE PKWY
- LIDAR 41 - MM 25.7 SB
SIGNAL CABINET @ PONDELLA RD
US 41 @ PONDELLA RD
- LIDAR 41 - MM 27.0 NB
SIGNAL CABINET @ PINE ISLAND RD
US 41 @ PINE ISLAND RD



NOTE:

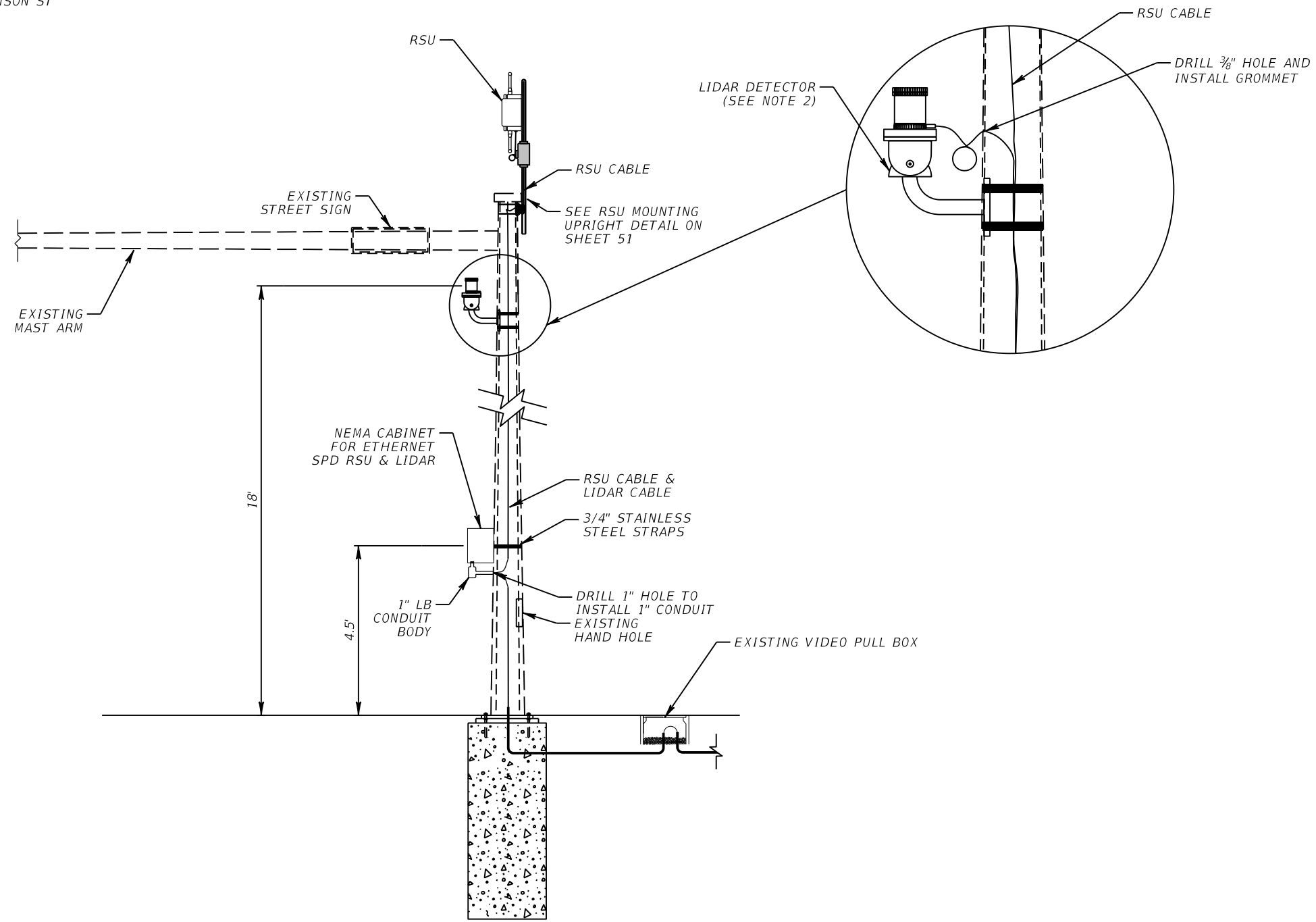
1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.
2. BOND NEMA CABINET AND SPD DEVICES TO EXISTING GROUNDING ARRAY WITH #2 AWG SOLID CONDUCTOR.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		55
					SR 45	LEE	445363-1-52-01		

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

SITE LOCATIONS:

RSU 41 - MM 22.3 NB
 LIDAR 41 - MM 22.3 NB
 SIGNAL CABINET # 294
 US 41 @ HANSON ST



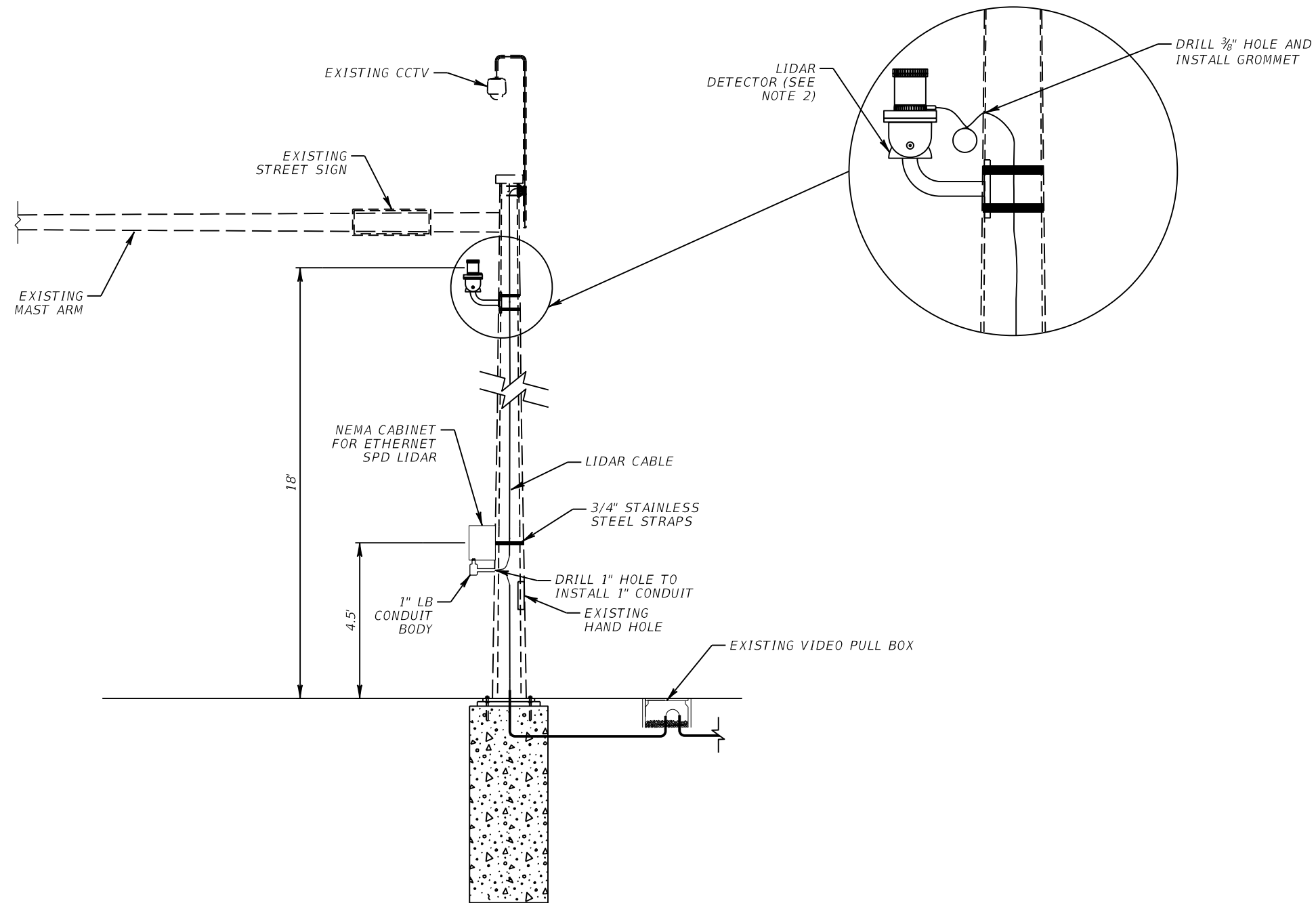
NOTE:

1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.
2. BOND NEMA CABINET AND SPD DEVICES TO EXISTING GROUNDING ARRAY WITH #2 AWG SOLID CONDUCTOR.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		56
					SR 45	LEE	445363-1-52-01		

SITE LOCATIONS:

LIDAR 41 - MM 22.3 SB
 SIGNAL CABINET # 294
 US 41 @ HANSON ST



NOTE:

1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.
2. BOND NEMA CABINET AND SPD DEVICES TO EXISTING GROUNDING ARRAY WITH #2 AWG SOLID CONDUCTOR.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO. 57
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	LEE		445363-1-52-01

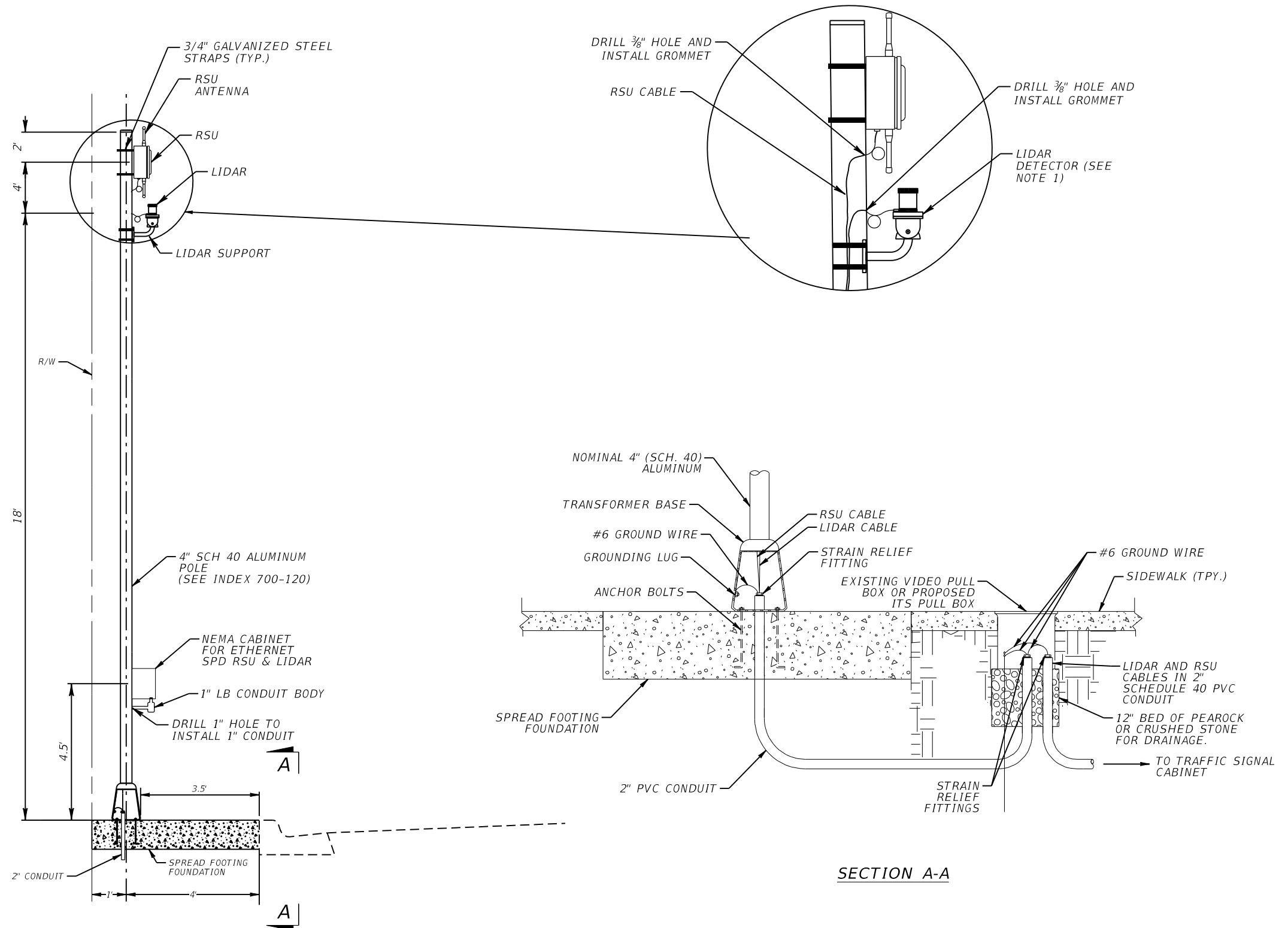
SITE LOCATIONS:

LIDAR 41 - MM 22.5 SB
 RSU 41 - MM 22.5 SB
 SIGNAL CABINET # 1505
 US 41 @ LINHART AVE

LIDAR 41 - MM 22.7 SB
 RSU 41 - MM 22.7 SB
 SIGNAL CABINET # 1506
 US 41 @ STELLA ST

LIDAR 41 - MM 22.8 SB
 RSU 41 - MM 22.8 SB
 SIGNAL CABINET # 295
 US 41 @ SOUTH ST

LIDAR 41 - MM 23.0 SB
 RSU 41 - MM 23.0 SB
 SIGNAL CABINET # 296
 US 41 @ EDISON AVE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

ITS MOUNTING DETAILS

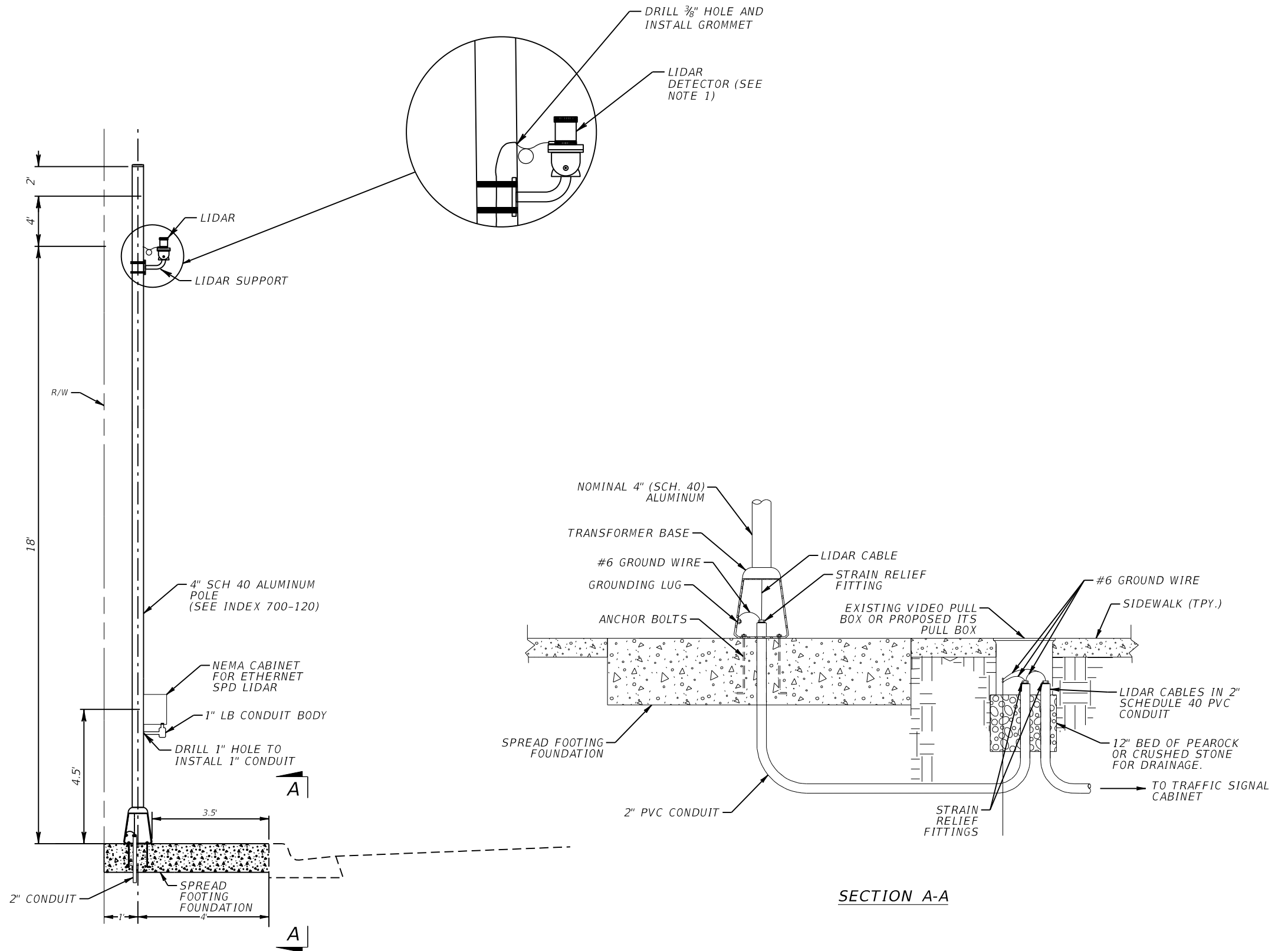
SHEET NO. 58

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

SITE LOCATIONS:

LIDAR 41 - MM 22.5 NB
SIGNAL CABINET # 1505
US 41 @ LINHART AVE

LIDAR 41 - MM 22.7 NB
SIGNAL CABINET # 1506
US 41 @ STELLA ST



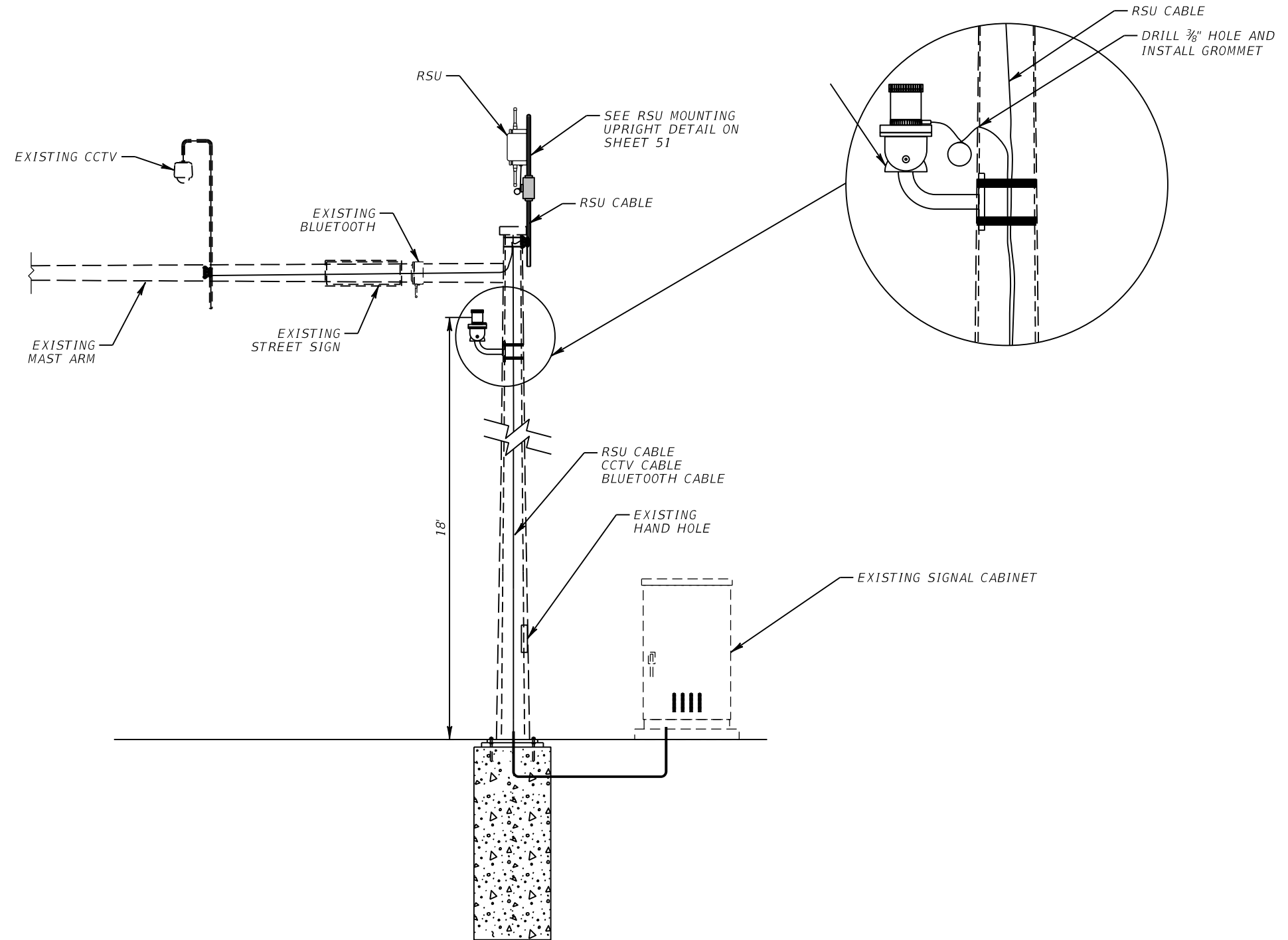
NOTE:

1. ORIENT LIDAR TOWARD CROSSWALK.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	LEE		445363-1-52-01

SITE LOCATIONS:

LIDAR 41 - MM 25.4 SB
 RSU 41 - MM 25.4 SB
 SIGNAL CABINET # 115128
 US 41 @ HANCOCK BRIDGE PKWY



NOTE:

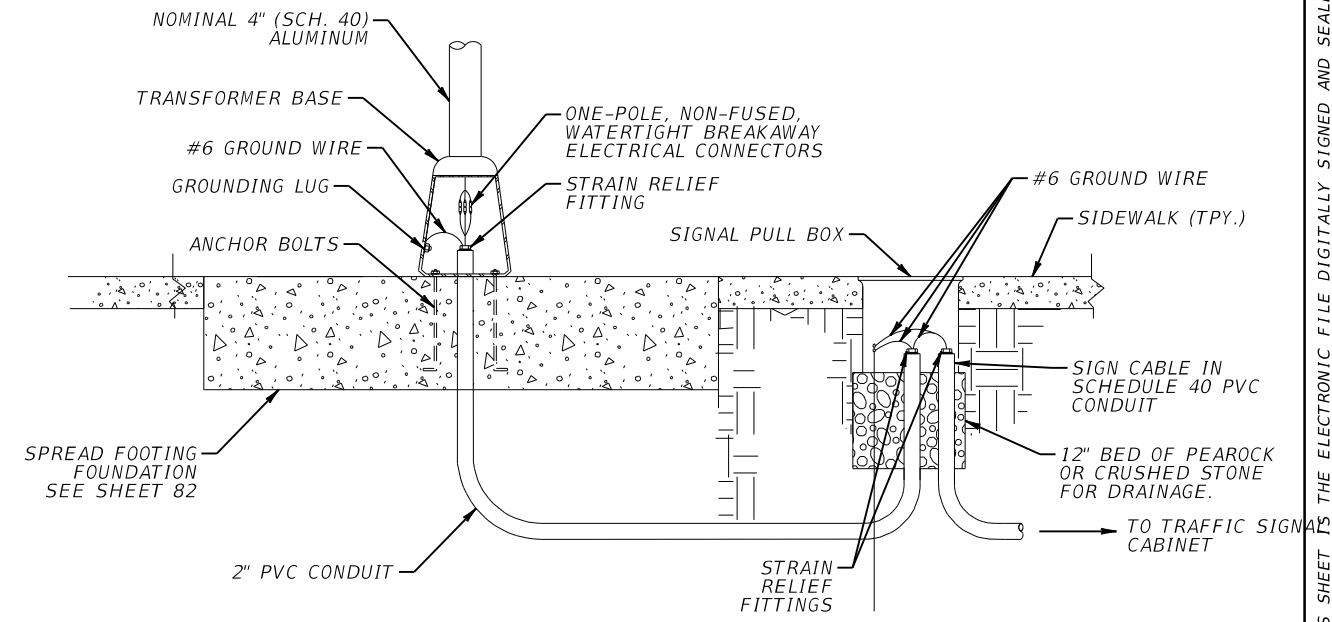
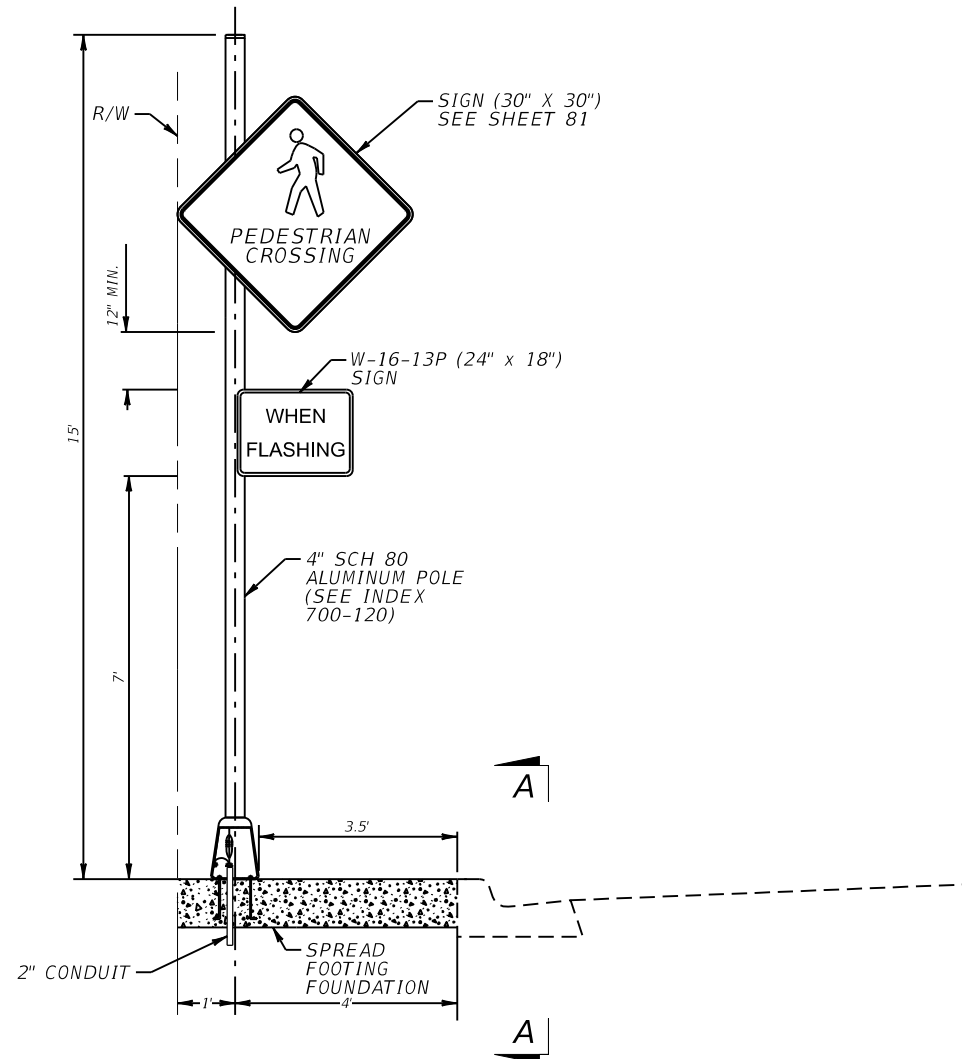
1. WIRE ACCESS HOLES SHALL NOT EXCEED 1" DIAMETER AND SHALL INCLUDE A RUBBER GROMMET. ROUTE COMMUNICATION CABLE(S) THROUGH MAST ARM. DRILL HOLE AS TO NOT DAMAGE EXISTING SIGNAL WIRE. UTILIZE EXISTING SIGNAL ACCESS HOLE IF POSSIBLE.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO. 60
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		

SITE LOCATIONS:

PWS 41 - MM 21.5 NB
 PWS 41 - MM 21.7 SB
 SIGNAL CABINET # 292
 US 41 @ CARRELL RD

PWS 41 - MM 22.7 NB
 PWS 41 - MM 22.8 SB
 SIGNAL CABINET # 295
 US 41 @ SOUTH ST

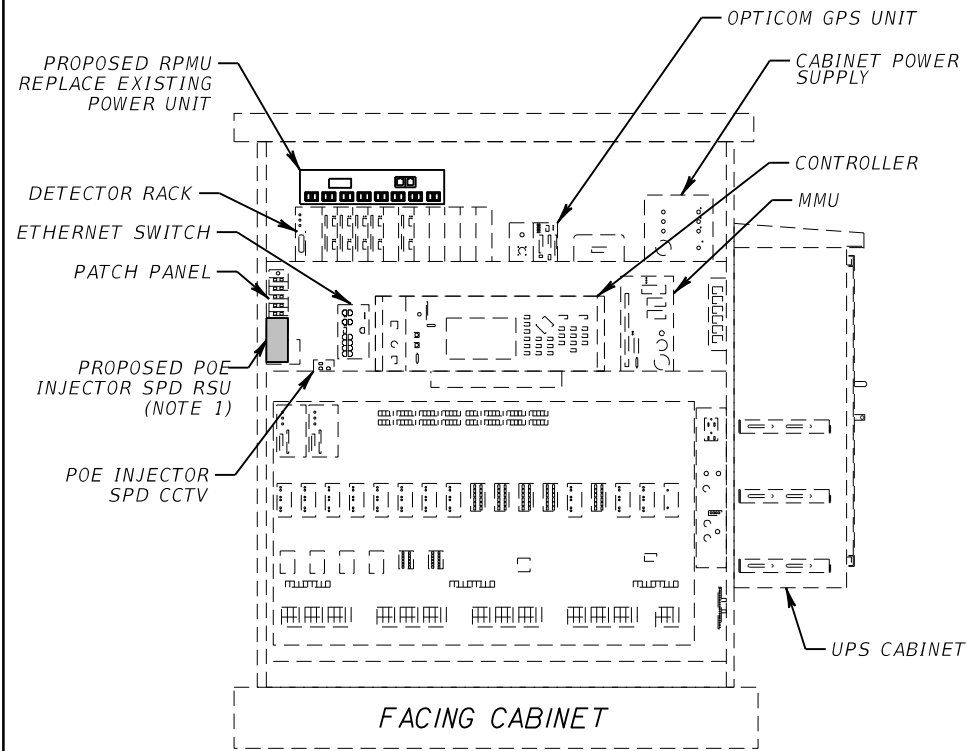


SECTION A-A

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ITS MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	LEE	445363-1-52-01		61

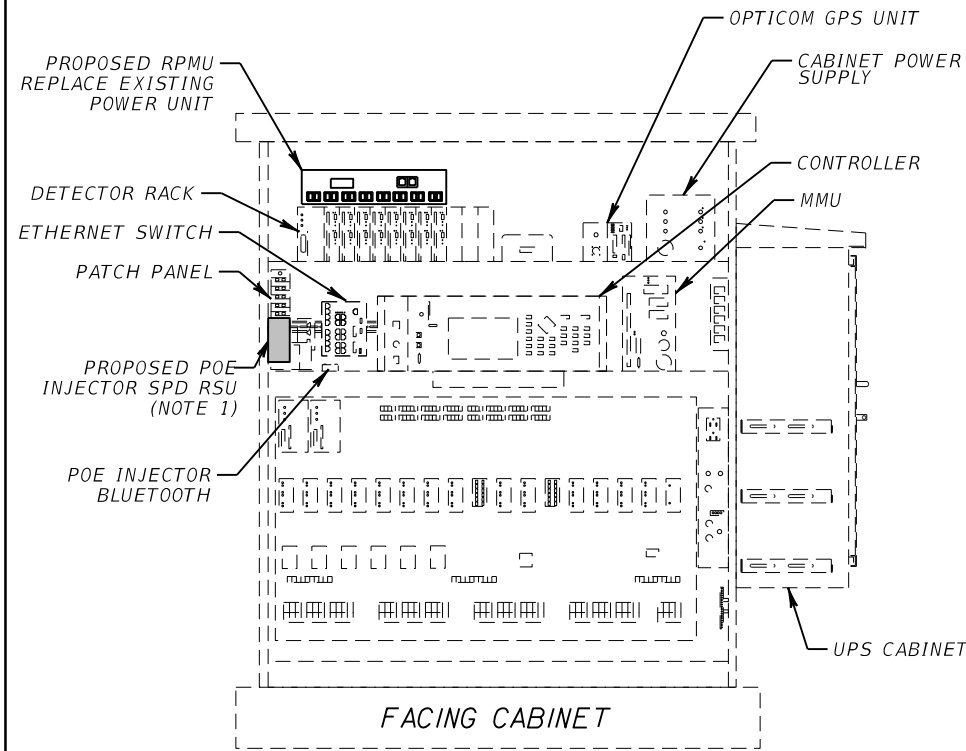
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

US 41 @ AIRPORT RD
CABINET NO. 100181
STA. 970+03



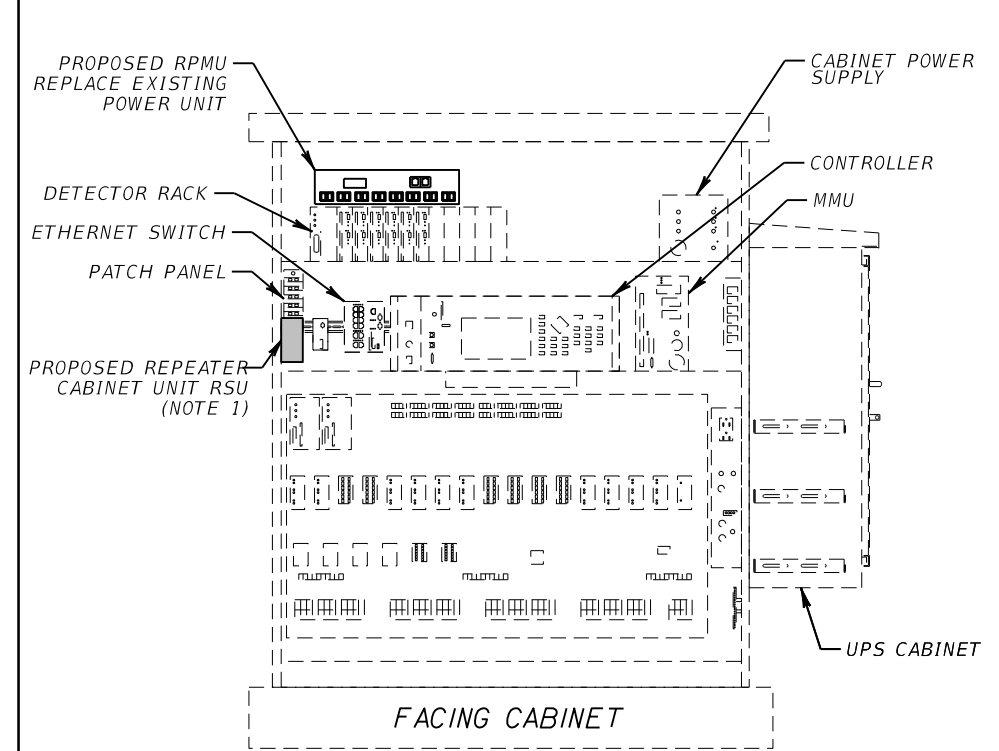
NOTES:
1. INSTALL POE INJECTOR SPD RSU AT DIN RAIL ATTACHED TO CABINET WALL.

US 41 @ COLONIAL BLVD
CABINET NO. 100165
STA. 982+69

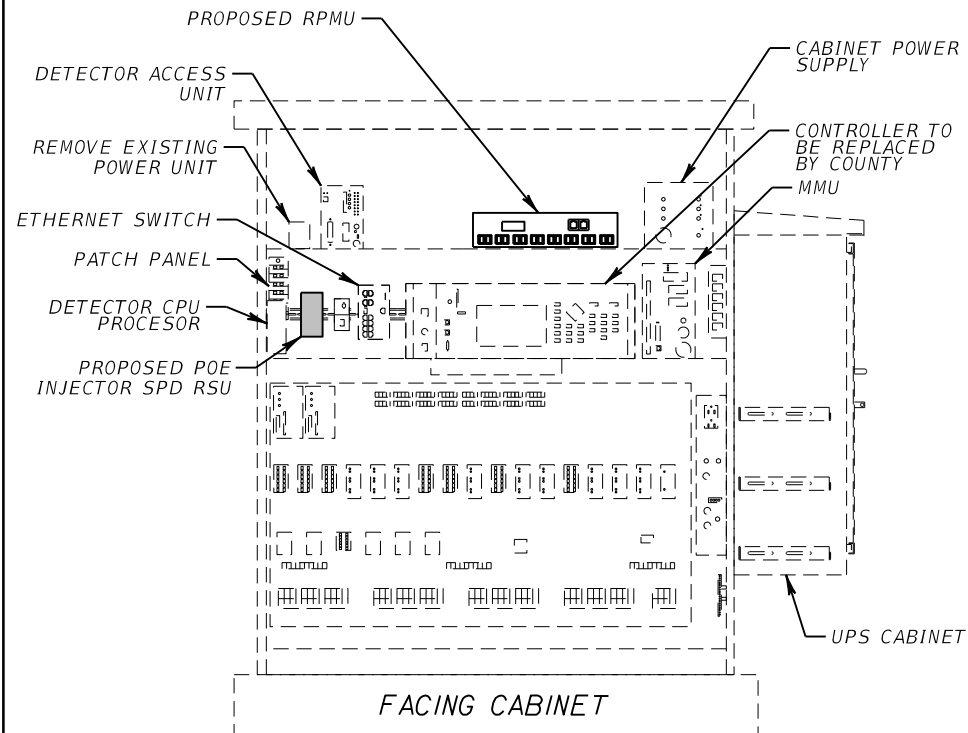


NOTES:
1. INSTALL POE INJECTOR SPD RSU AT DIN RAIL ATTACHED TO CABINET WALL.

US 41 @ COURTNEY DR
CABINET NO. TBD
STA. 1001+02



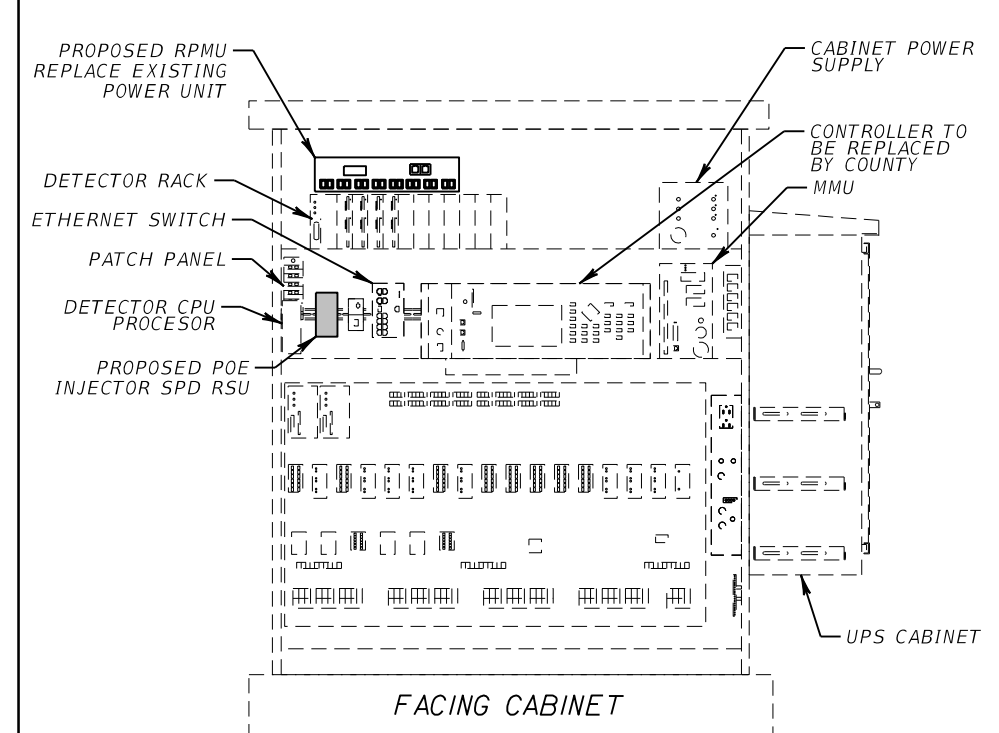
US 41 @ WINKLER AVE
CABINET NO. 100162
STA. 1010+27



US 41 @ JEFFERSON AVE
CABINET NO. 1530
STA. 1019+46

THIS TRAFFIC CABINET TO BE INSTALLED PER FPID 431313-1-52-01 HAS NOT YET BEEN INSTALLED.

US 41 @ COLLIER AVE
CABINET NO. 290
STA. 1022+62



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

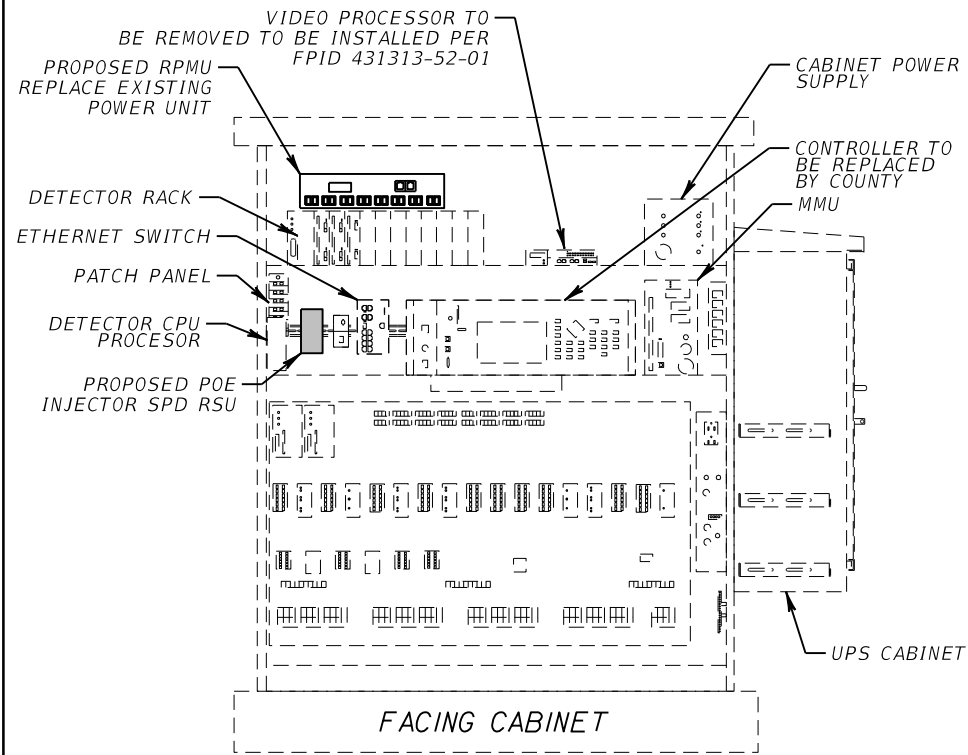
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

CABINET DETAILS

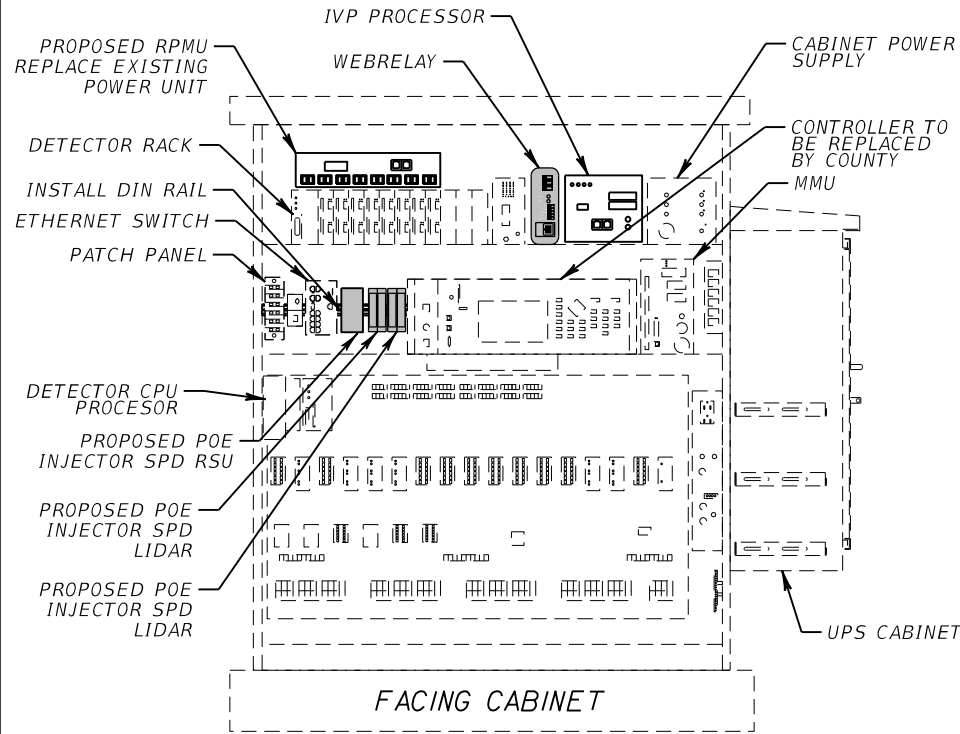
SHEET NO.
62

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

US 41 @ HILL AVE
CABINET NO. 291
STA. 1029+93



US 41 @ CARRELL RD
CABINET NO. 292
STA. 1037+17



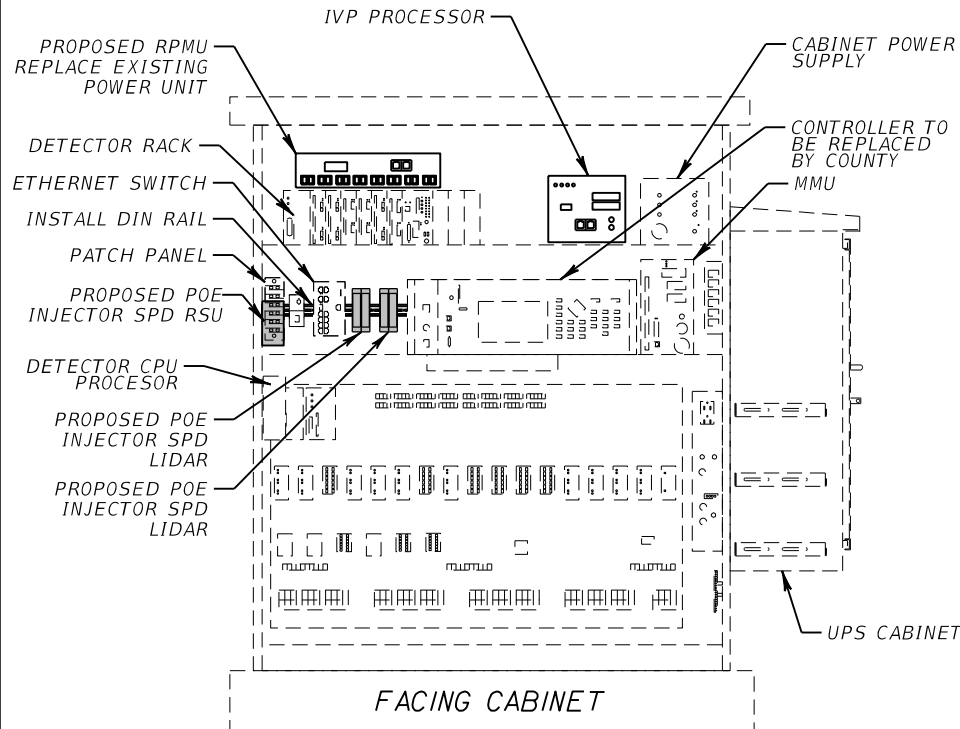
US 41 @ MARAVILLA LN
CABINET NO. 1527
STA. 1048+42

THIS TRAFFIC CABINET TO BE INSTALLED PER FPID 431313-1-52-01 HAS NOT YET BEEN INSTALLED.

US 41 @ RICARDO AVE
CABINET NO. 1526
STA. 1054+26

THIS TRAFFIC CABINET TO BE INSTALLED PER FPID 431313-1-52-01 HAS NOT YET BEEN INSTALLED.

US 41 @ GRACE AVE
CABINET NO. 293
STA. 1060+15



NOTES:
1. INSTALL POE INJECTOR SPD RSU AT DIN RAIL ATTACHED TO CABINET WALL.

US 41 @ CORONADO RD
CABINET NO. 1525
STA. 1069+85

THIS TRAFFIC CABINET TO BE INSTALLED PER FPID 431313-1-52-01 HAS NOT YET BEEN INSTALLED.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

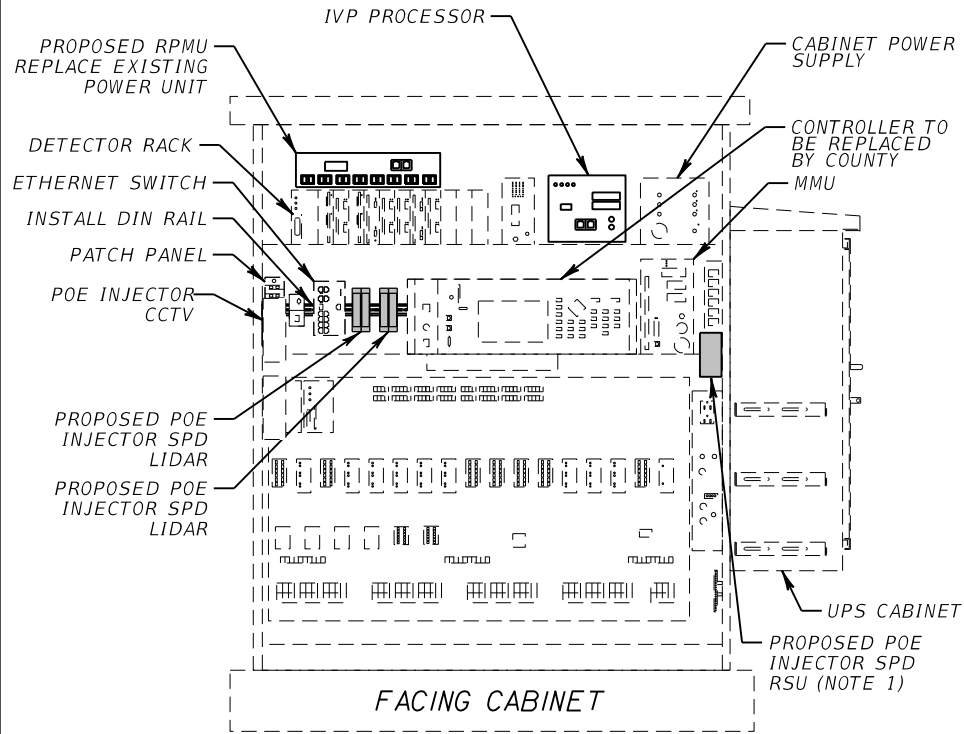
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

CABINET DETAILS

SHEET NO.
63

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

US 41 @ HANSON ST
CABINET NO. 294
STA. 1075+72



NOTES:
1. INSTALL POE INJECTOR SPD RSU AT DIN RAIL ATTACHED TO CABINET WALL.

US 41 @ NORTH OF HAWK ST
CABINET NO. TBD
STA. 1082+68

THIS TRAFFIC CABINET TO BE INSTALLED PER FPID 431313-1-52-01 HAS NOT YET BEEN INSTALLED.

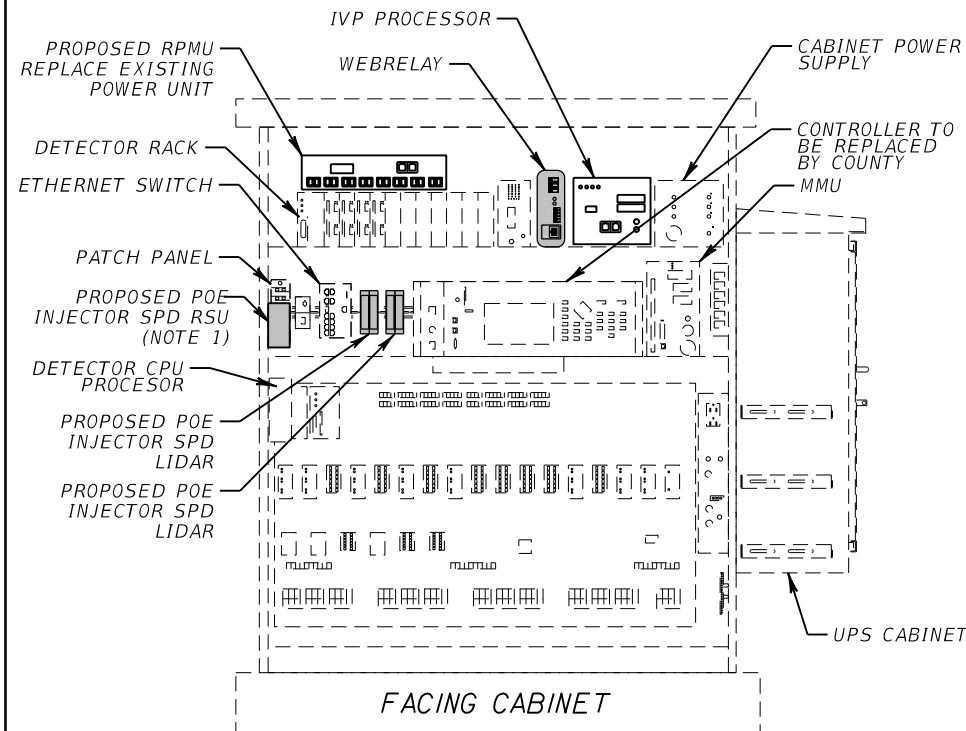
US 41 @ LINHART AVE
CABINET NO. 1505
STA. 1085+12

THIS TRAFFIC CABINET TO BE INSTALLED PER FPID 431313-1-52-01 HAS NOT YET BEEN INSTALLED.

US 41 @ STELLA ST
CABINET NO. 1506
STA. 1095+79

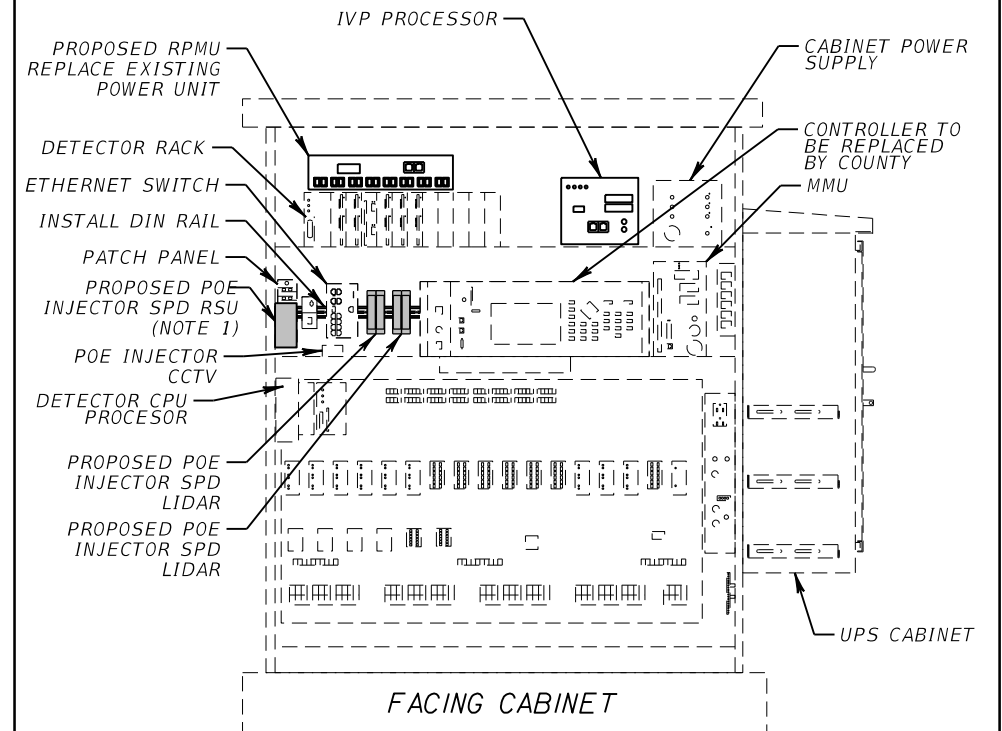
THIS TRAFFIC CABINET TO BE INSTALLED PER FPID 431313-1-52-01 HAS NOT YET BEEN INSTALLED.

US 41 @ SOUTH ST
CABINET NO. 295
STA. 1102+13



NOTES:
1. INSTALL POE INJECTOR SPD RSU AT DIN RAIL ATTACHED TO CABINET WALL.

US 41 @ EDISON ST
CABINET NO. 296
STA. 1116+06



NOTES:
1. INSTALL POE INJECTOR SPD RSU AT DIN RAIL ATTACHED TO CABINET WALL.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

CABINET DETAILS

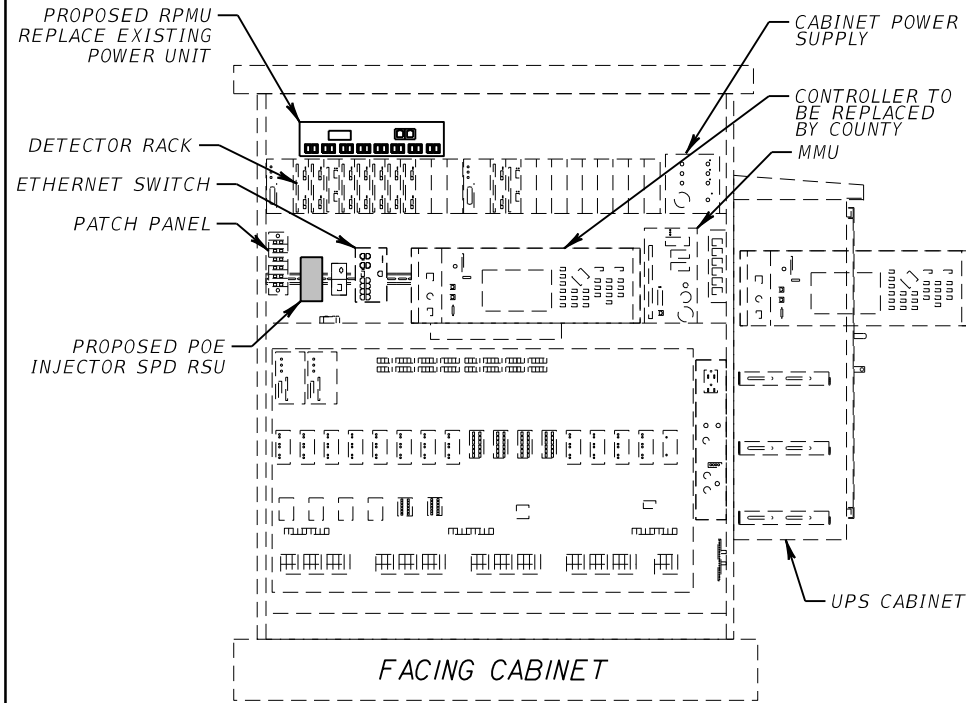
SHEET NO.

64

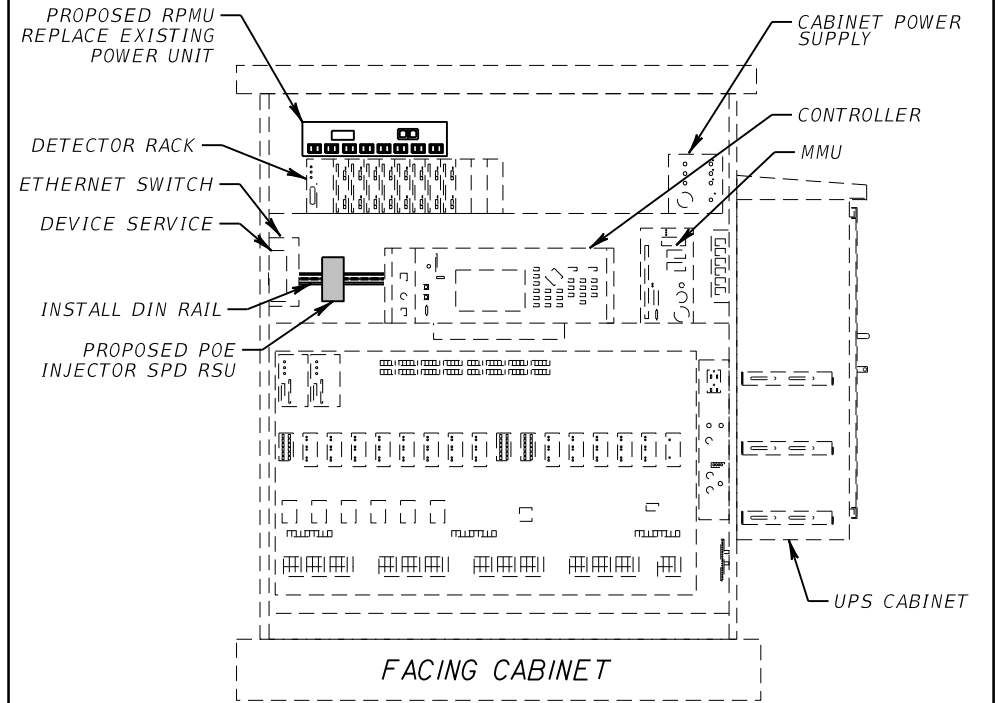
US 41 @ CRAWFORD ST
CABINET NO. 1523
STA. 1120+71

THIS TRAFFIC CABINET TO BE INSTALLED PER FPID 431313-1-52-01 HAS NOT YET BEEN INSTALLED.

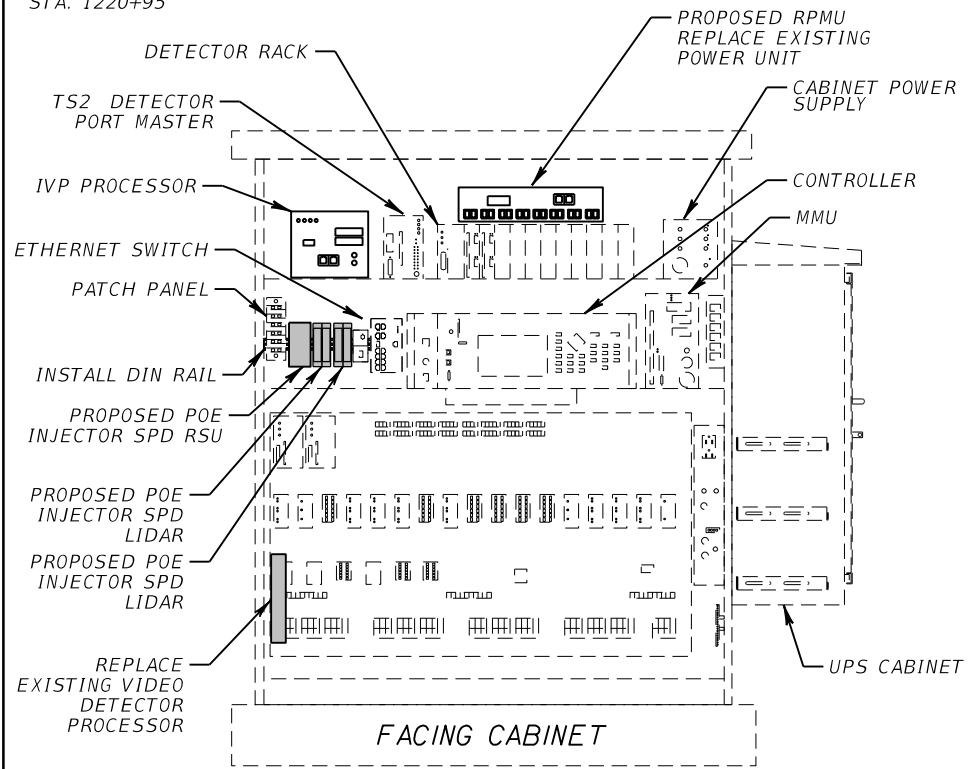
US 41 @ VICTORIA AVE
CABINET NO. 297
STA. 1128+55



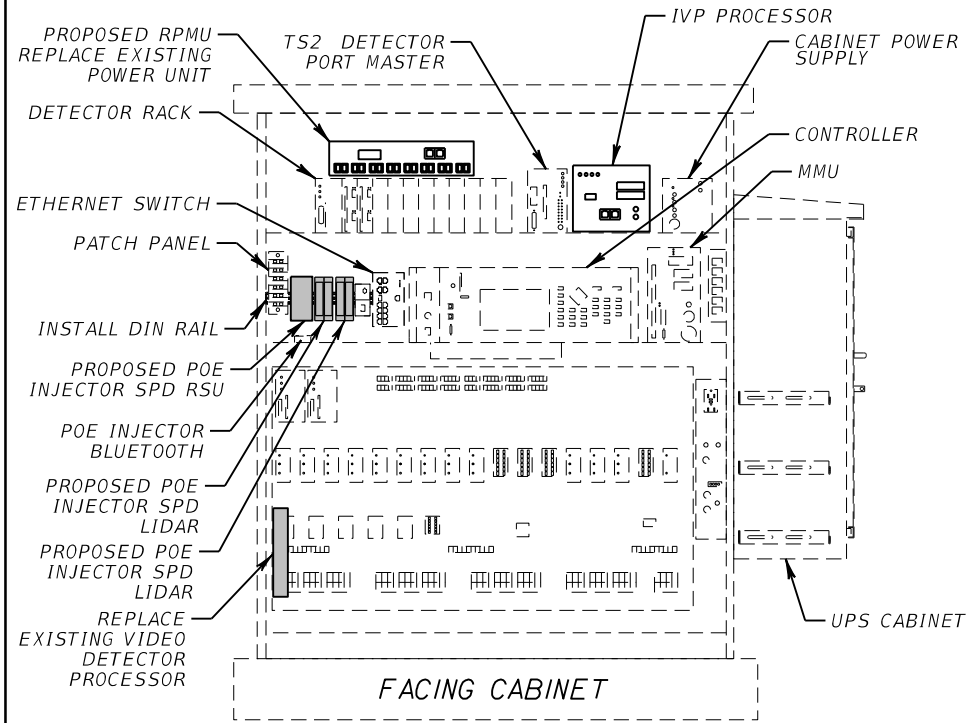
US 41 @ SR 82
CABINET @ SR 82
STA. 1143+97



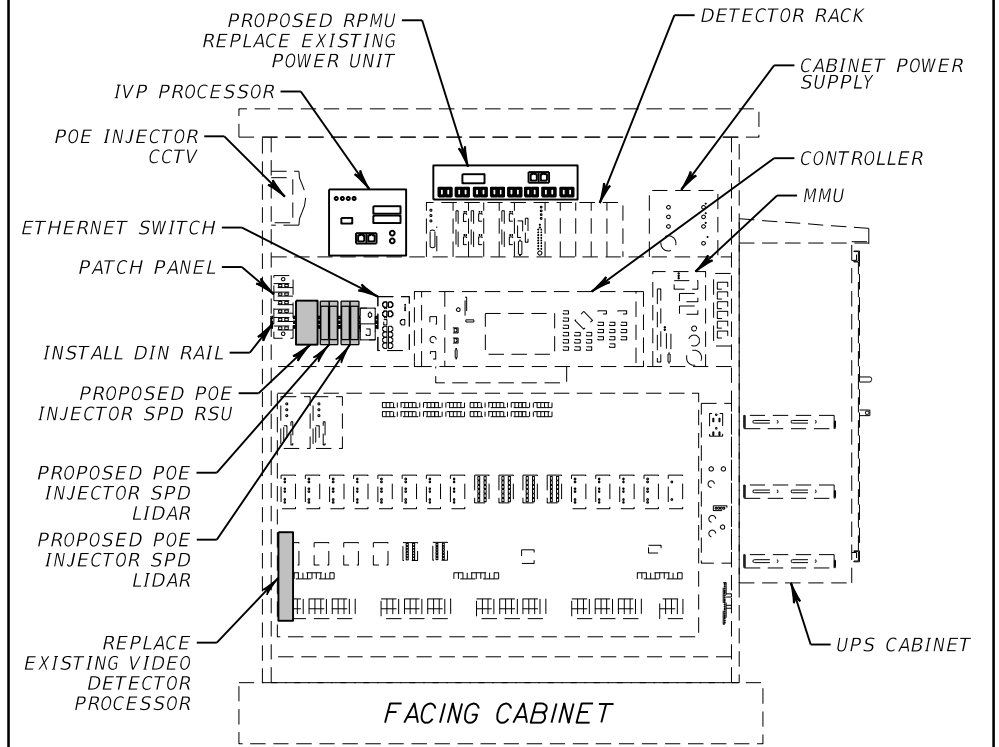
US 41 @ KEY DR
CABINET @ KEY DR
STA. 1220+95



US 41 @ HANCOCK BRIDGE PKWY
CABINET NO. 115128
STA. 1237+93



US 41 @ PONDELLA RD
CABINET @ PONDELLA RD
STA. 1255+38



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

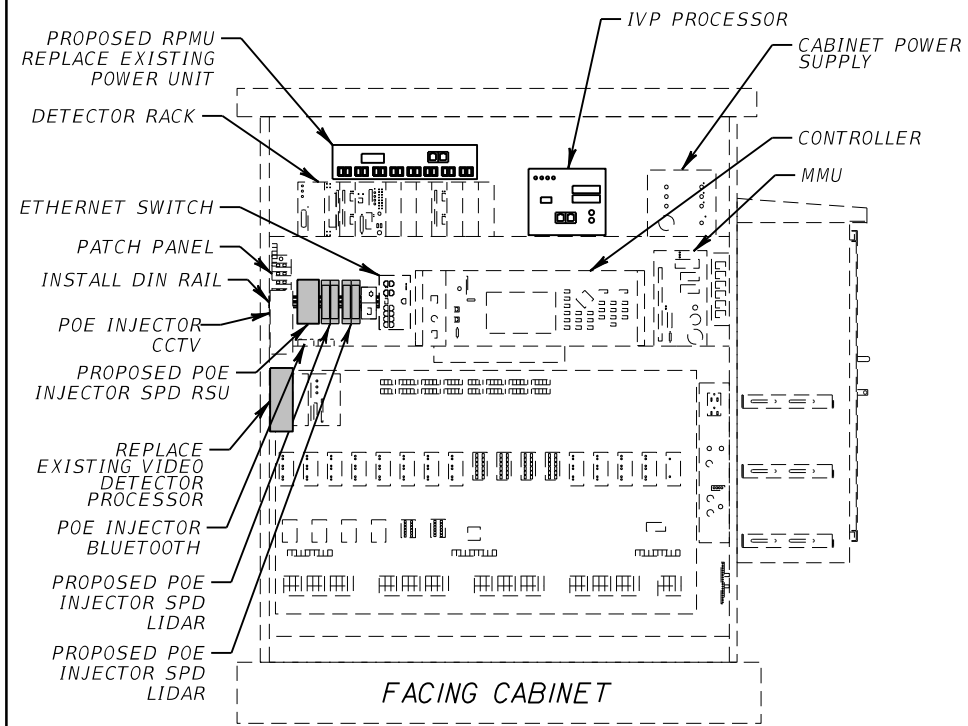
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

CABINET DETAILS

SHEET NO.
65

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

US 41 @ PINE ISLAND RD
 CABINET AT PINE ISLAND RD
 STA. 1320+89



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

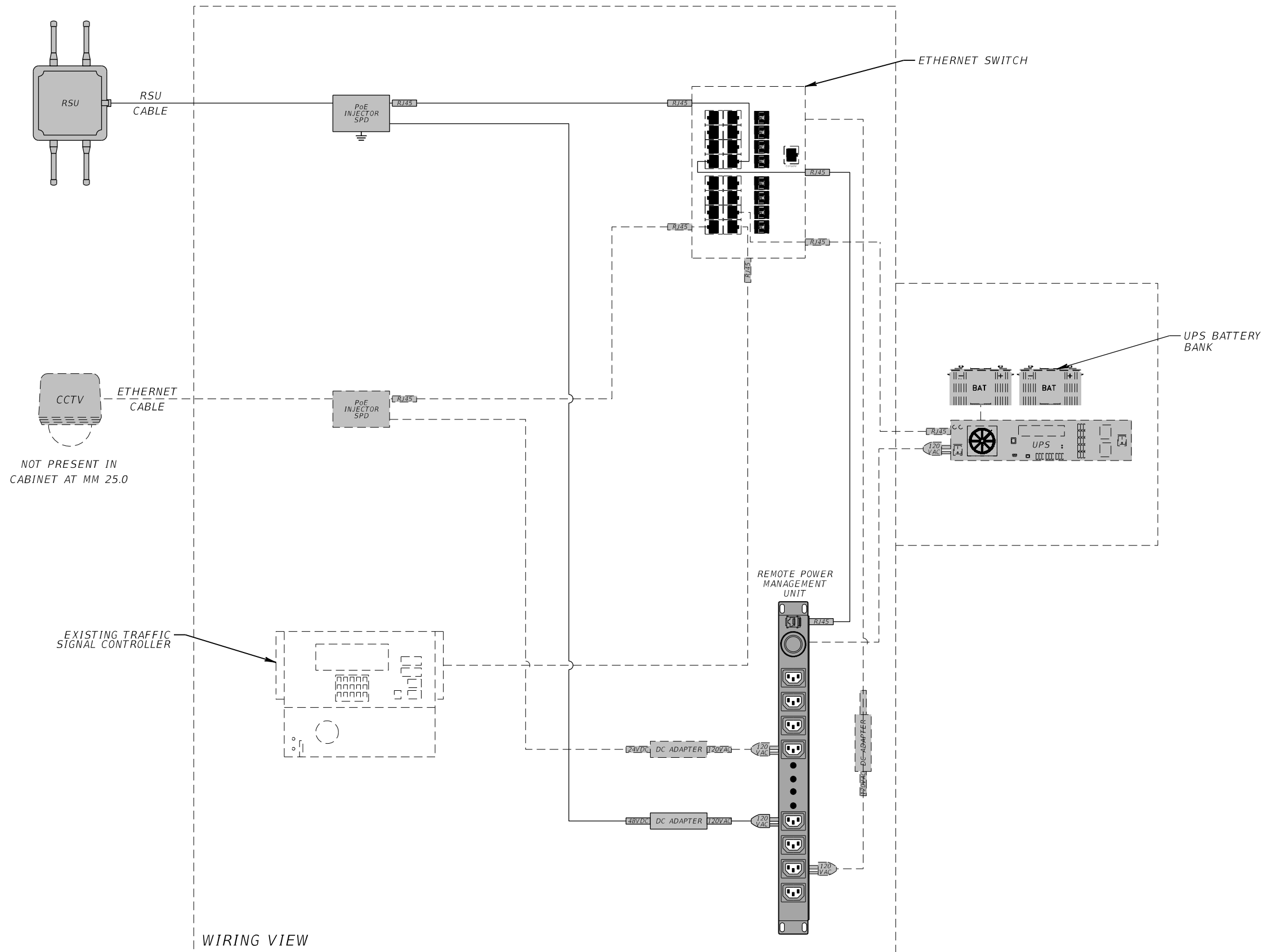
CABINET DETAILS

SHEET NO.
66

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

SITE LOCATIONS:

RSU 41 - MM 20.3 SB
TRAFFIC CABINET # 100181



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

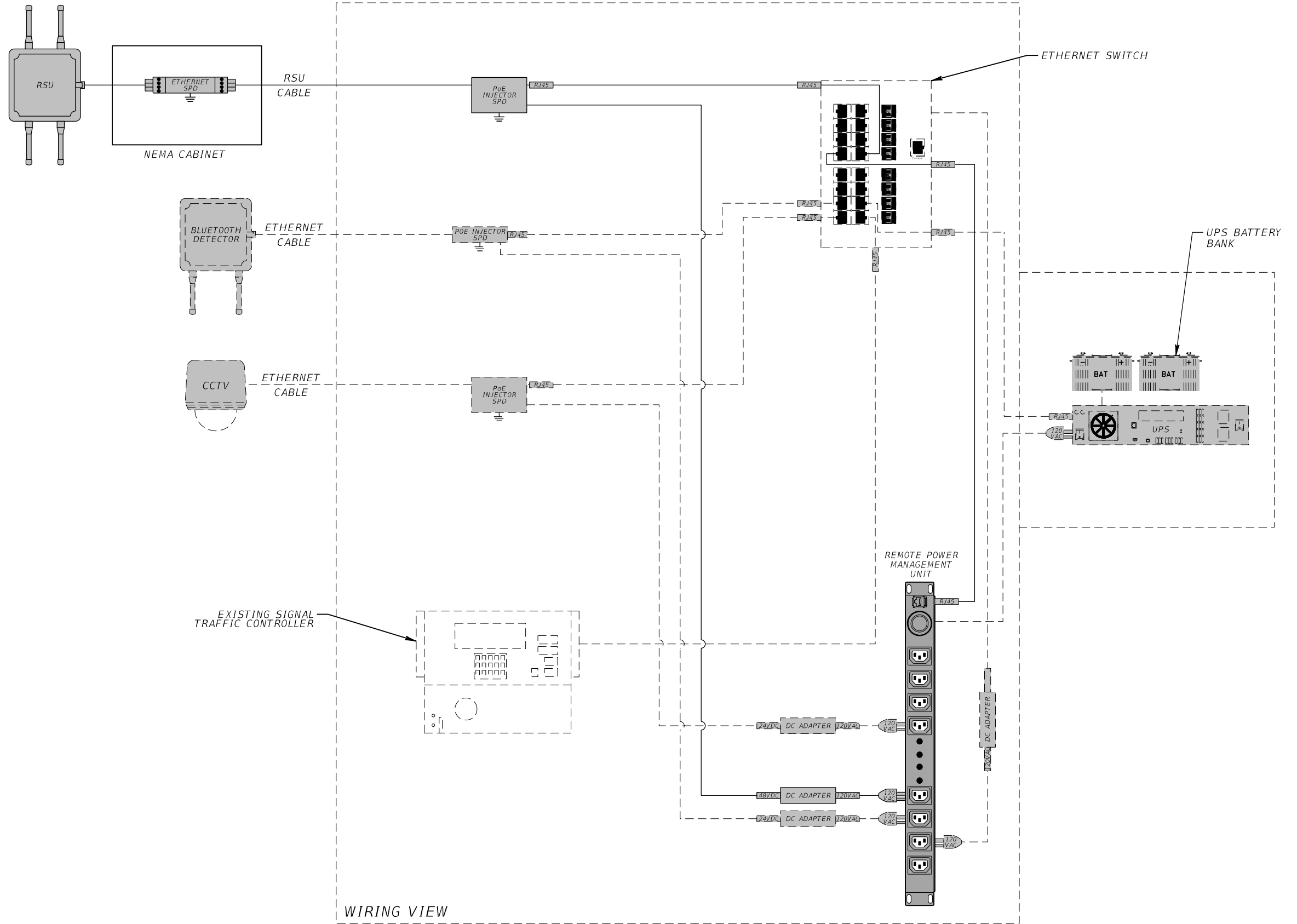
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.
67

SITE LOCATIONS:

RSU 41 - MM 20.5 SB
TRAFFIC CABINET # 100165



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

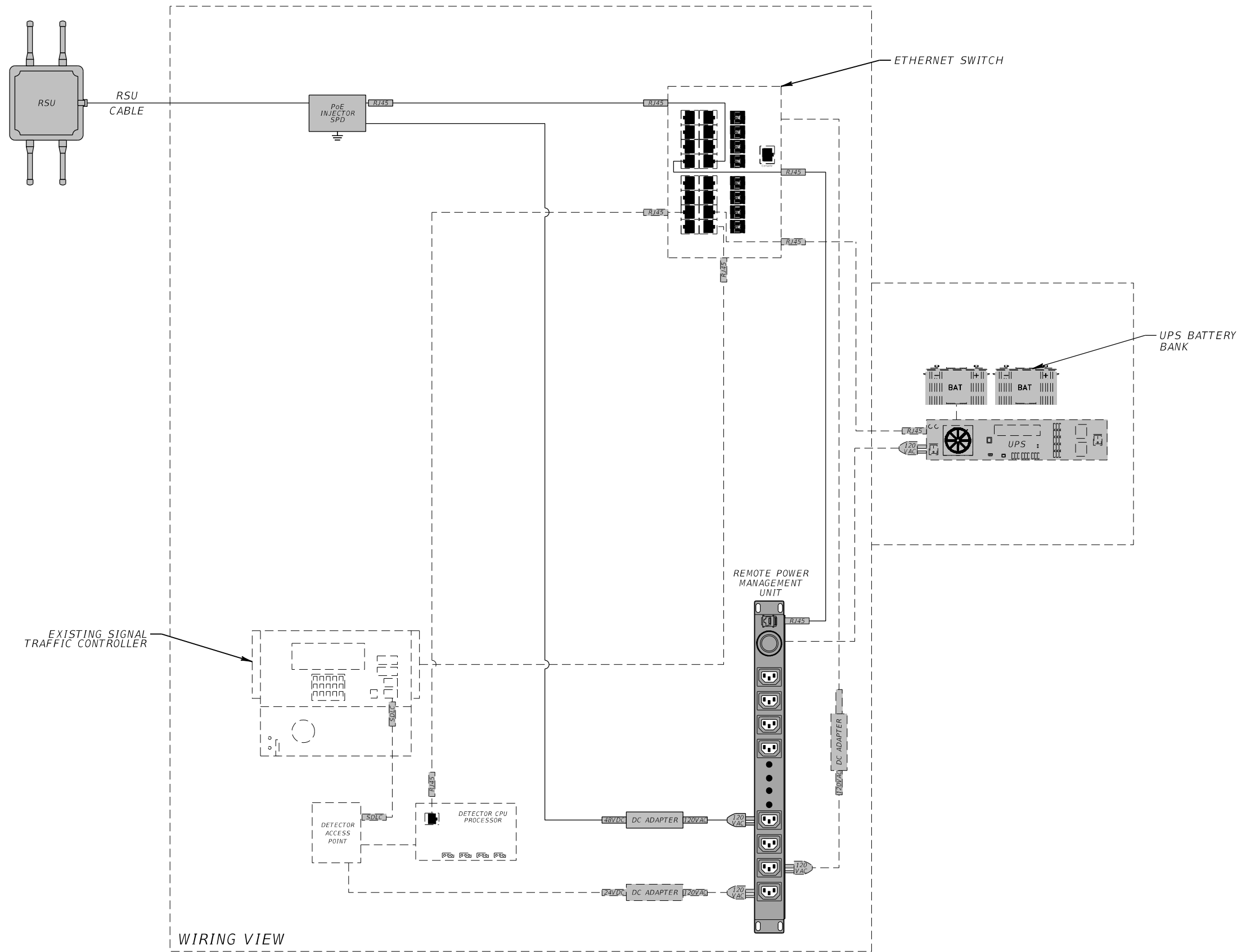
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.
68

SITE LOCATIONS:

RSU 41 - MM 21.1 NB
TRAFFIC CABINET # 100162



WIRING VIEW

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

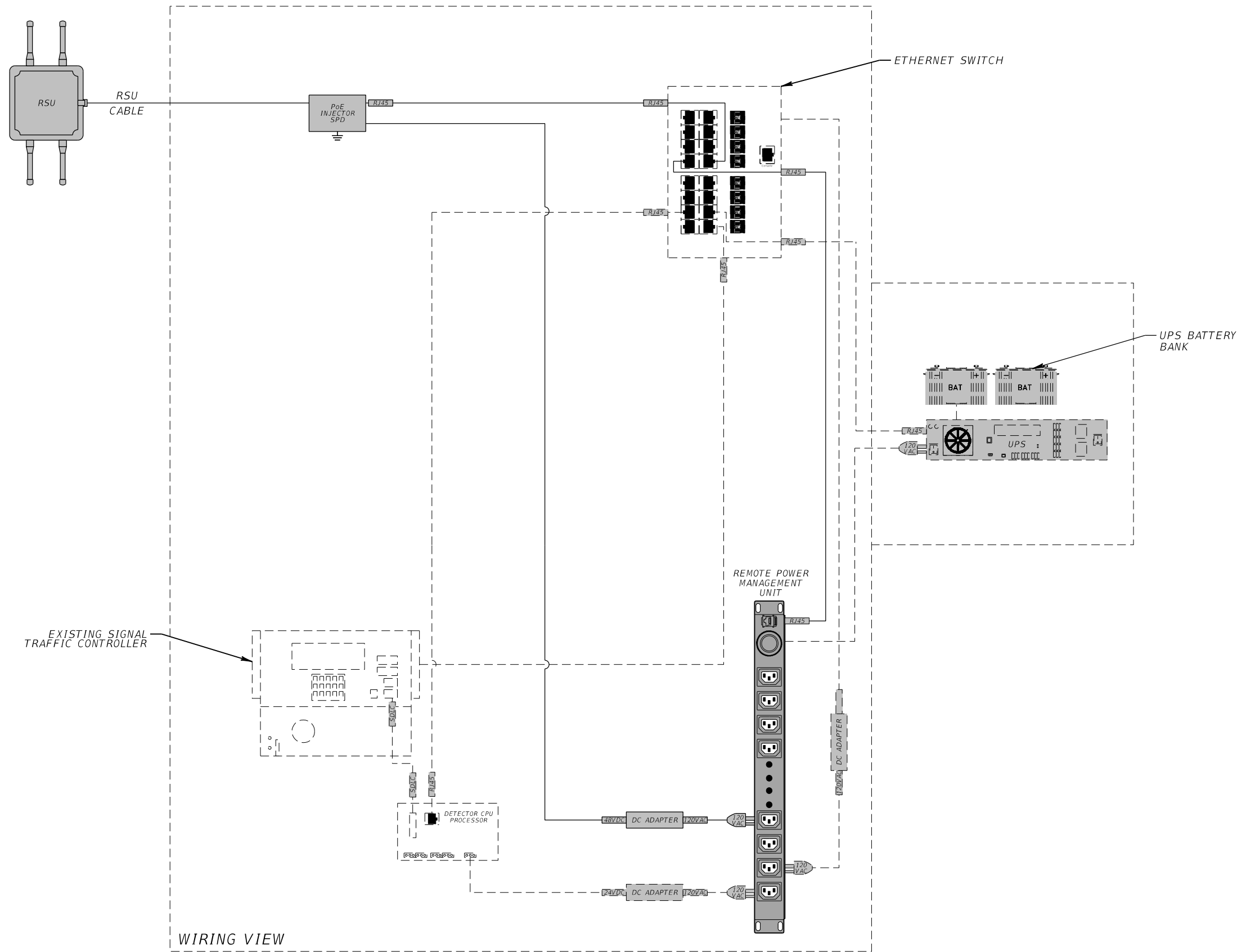
SHEET NO.
69

SITE LOCATIONS:

RSU 41 - MM 21.2 SB
TRAFFIC CABINET # 1530

RSU 41 - MM 21.4 NB
TRAFFIC CABINET # 291

RSU 41 - MM 21.3 NB
TRAFFIC CABINET # 290



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

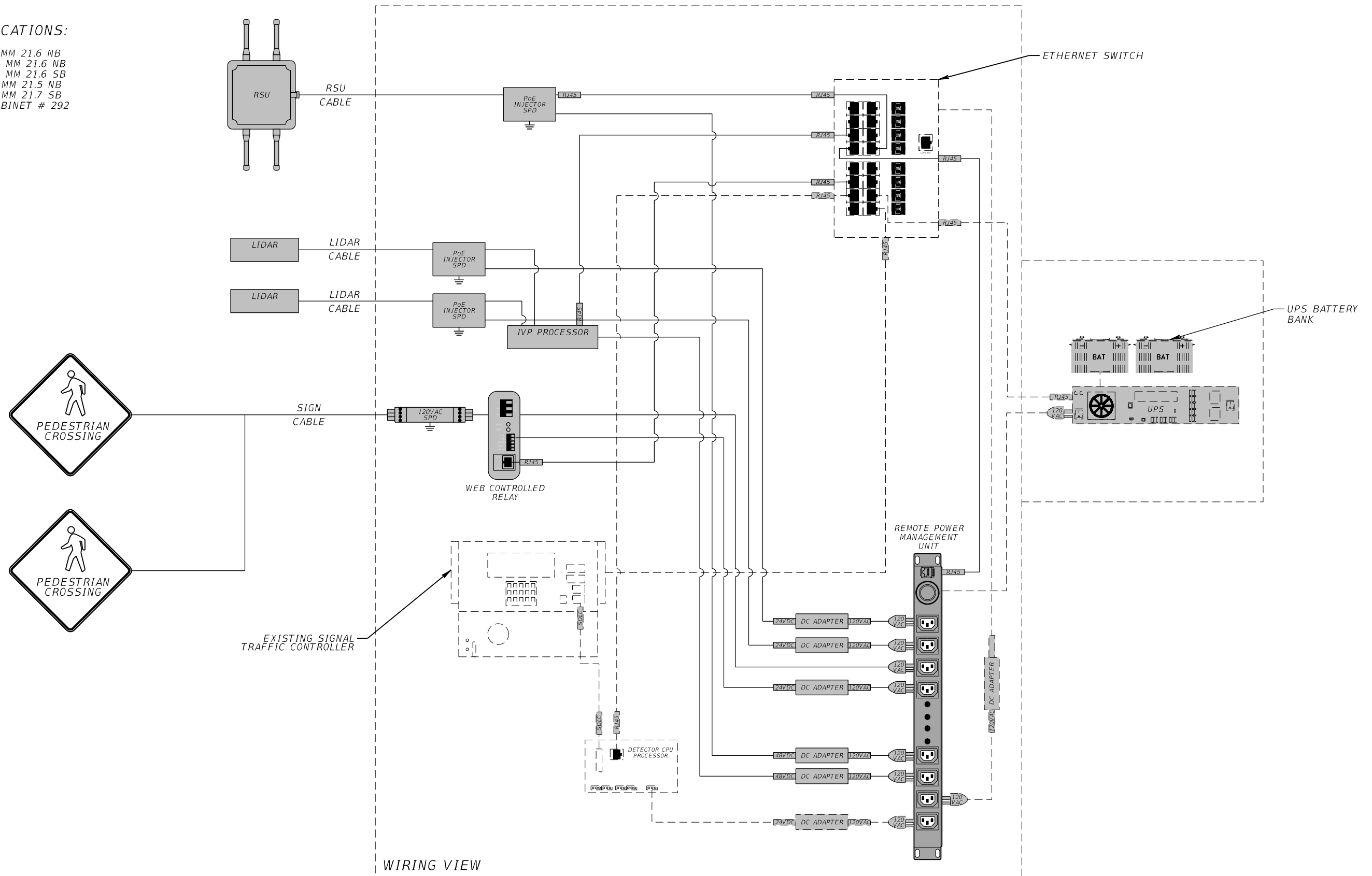
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.
70

SITE LOCATIONS:

- RSU 41 - MM 21.6 NB
- LIDAR 41 - MM 21.6 NB
- LIDAR 41 - MM 21.6 SB
- PWS 41 - MM 21.5 NB
- PWS 41 - MM 21.7 SB
- TRAFFIC CABINET # 292



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.	71
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SITE LOCATIONS:

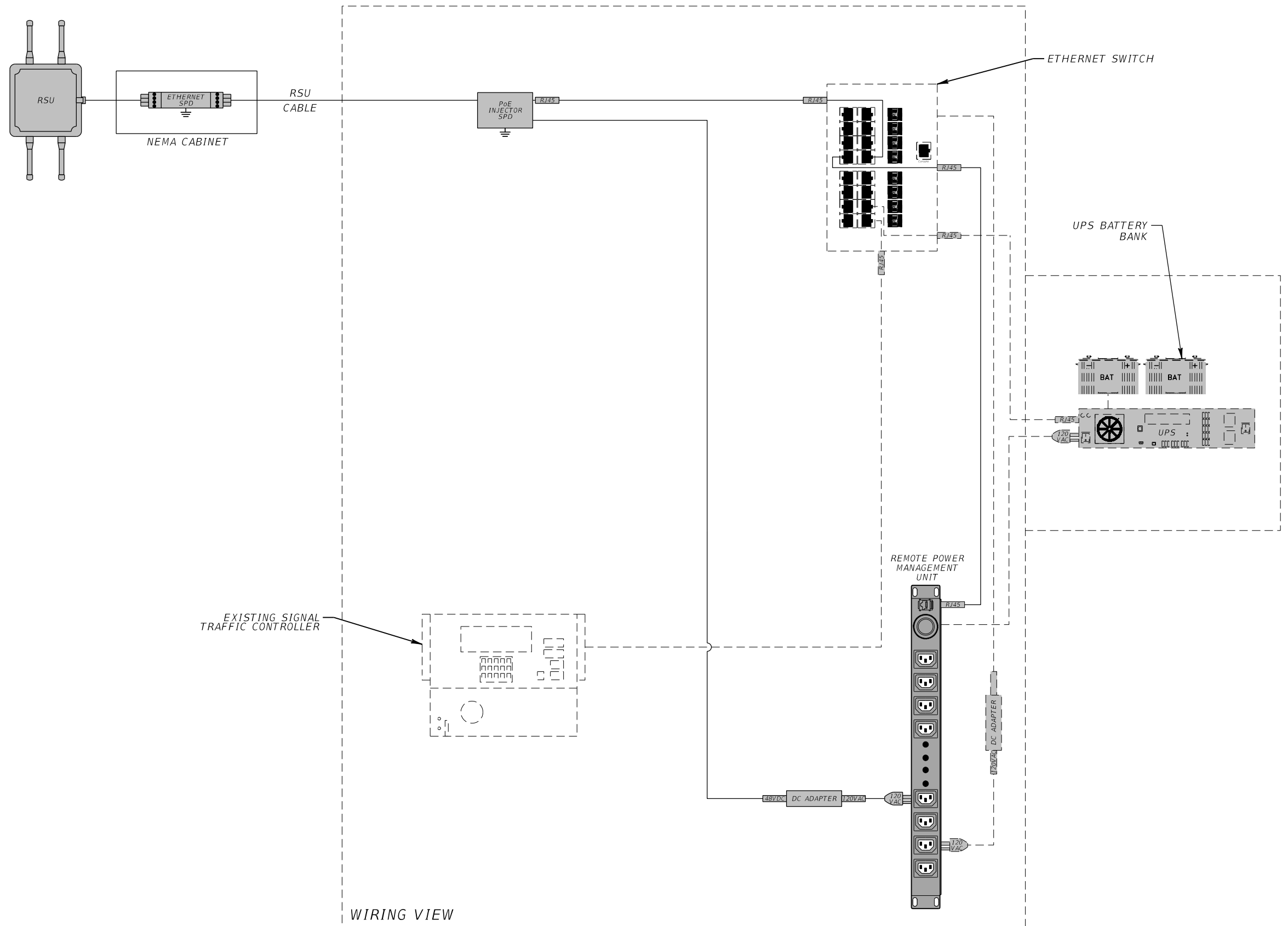
RSU 41 - MM 21.3 NB
TRAFFIC CABINET # 290

RSU 41 - MM 21.8 SB
TRAFFIC CABINET # 1527

RSU 41 - MM 21.9 NB
TRAFFIC CABINET # 1526

RSU 41 - MM 22.2 SB
TRAFFIC CABINET # 1525

RSU 41 - MM 23.2 NB
TRAFFIC CABINET # 1523



EXISTING SIGNAL
TRAFFIC CONTROLLER

WIRING VIEW

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

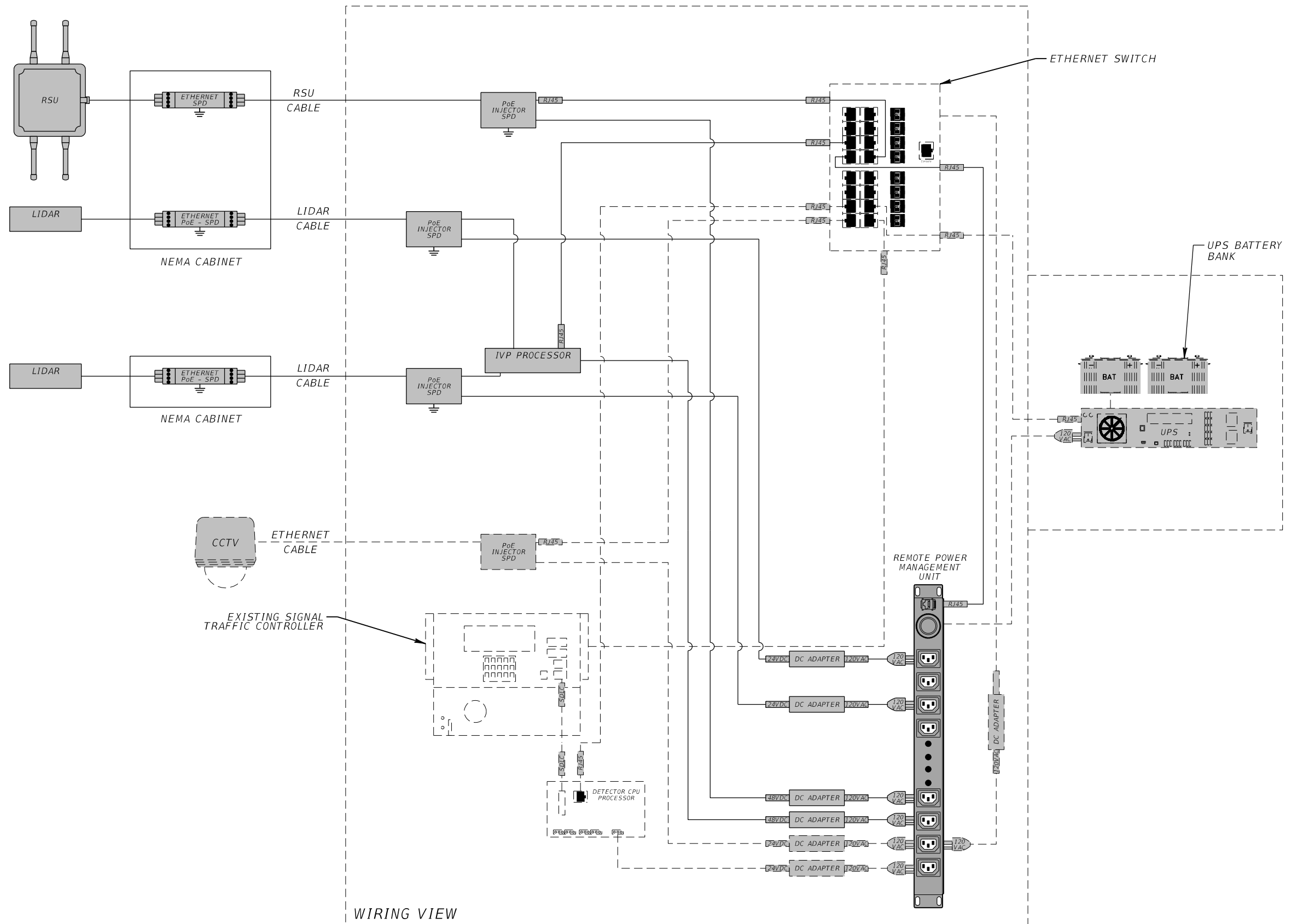
WIRING DIAGRAM

SHEET NO.
72

SITE LOCATIONS:

RSU 41 - MM 22.3 NB
 LIDAR 41 - MM 22.3 NB
 LIDAR 41 - MM 22.3 SB
 TRAFFIC CABINET # 294

RSU 41 - MM 23.0 SB
 LIDAR 41 - MM 23.0 NB
 LIDAR 41 - MM 23.0 SB
 TRAFFIC CABINET # 296



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

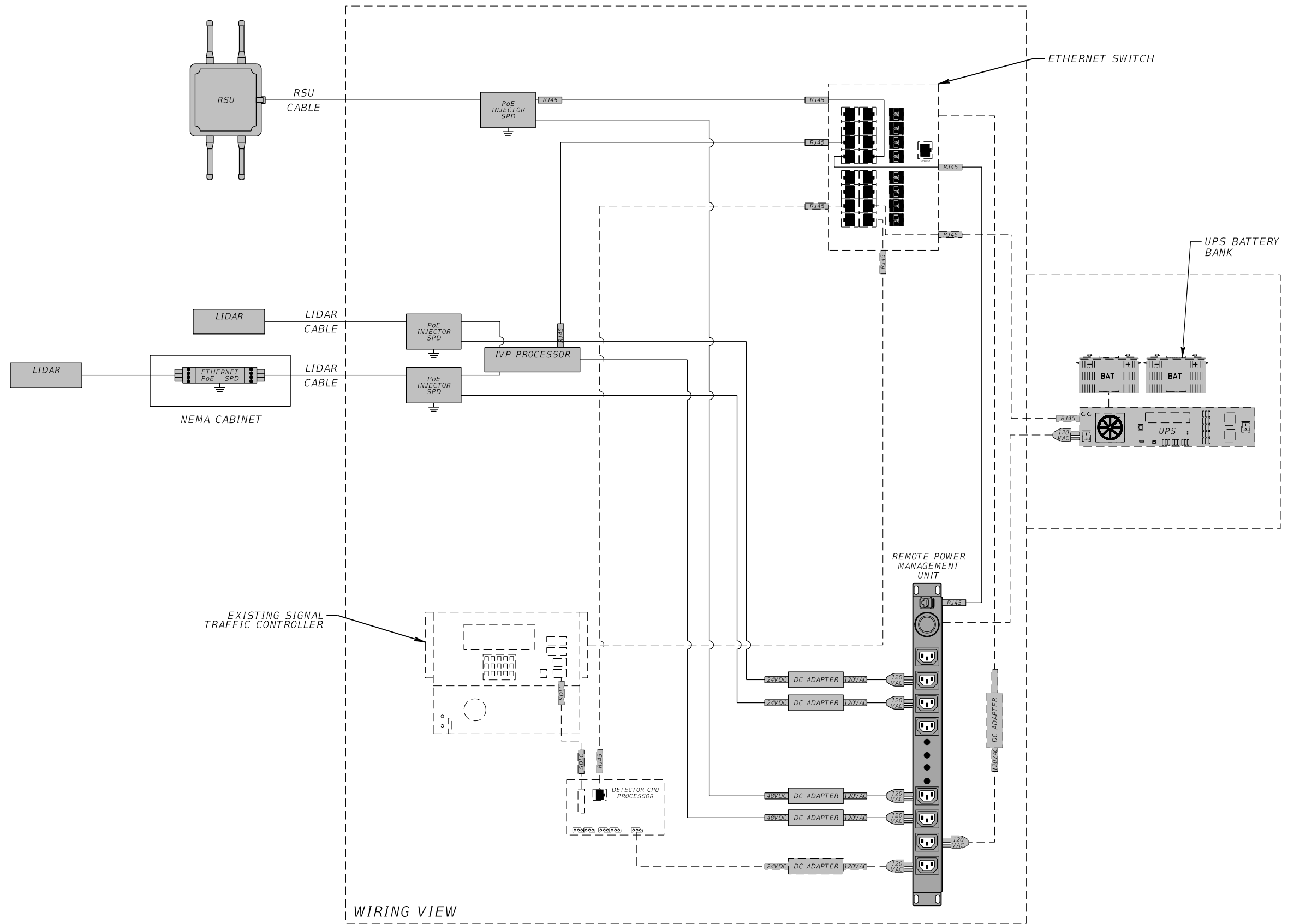
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.
73

SITE LOCATIONS:

RSU 41 - MM 22.0 NB
 LIDAR 41 - MM 22.0 NB
 LIDAR 41 - MM 22.0 SB
 TRAFFIC CABINET # 293



WIRING VIEW

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 74
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	LEE	445363-1-52-01	

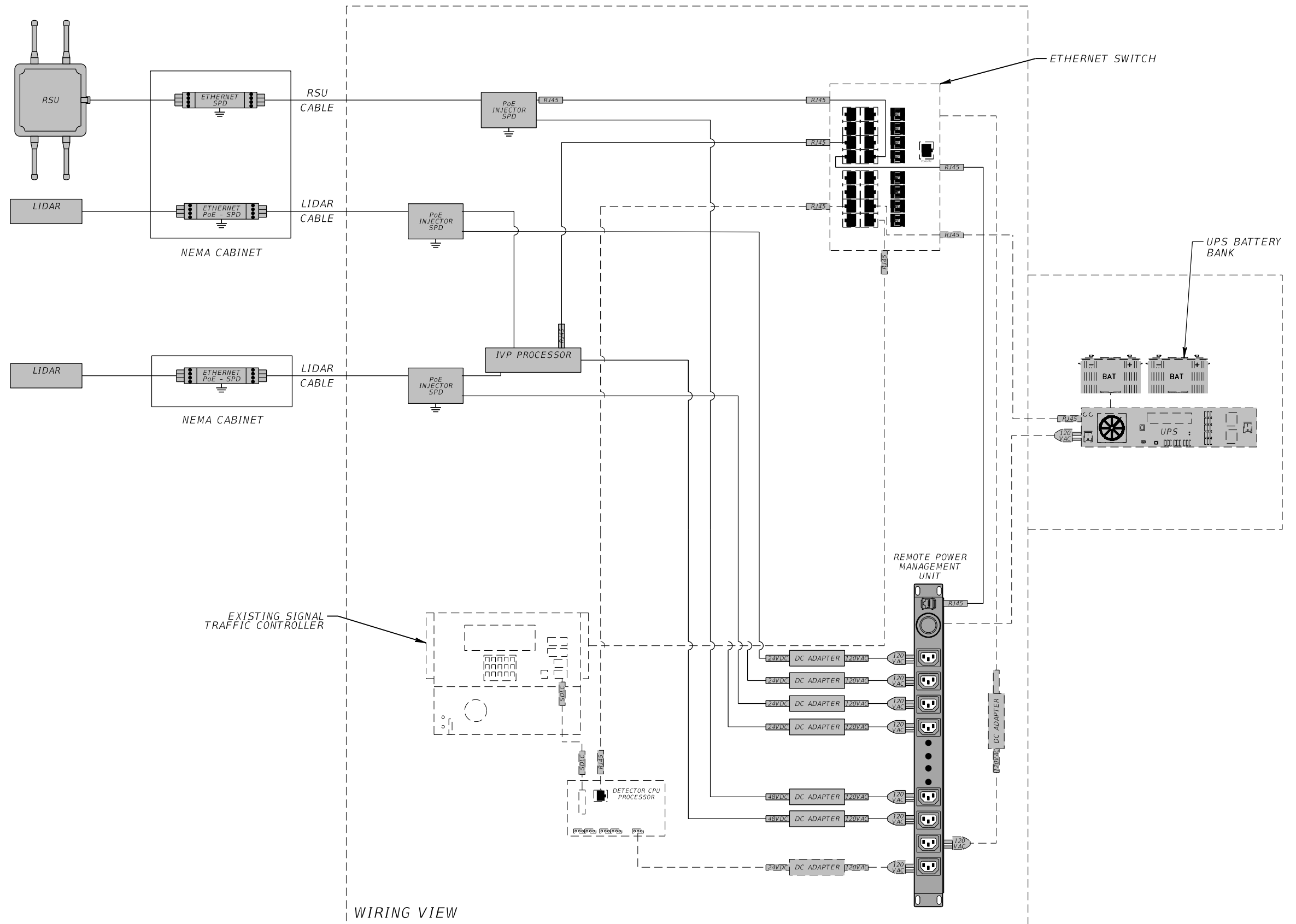
WIRING DIAGRAM

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

SITE LOCATIONS:

RSU 41 - MM 22.5 SB
 LIDAR 41 - MM 22.5 NB
 LIDAR 41 - MM 22.5 SB
 TRAFFIC CABINET # 1505

RSU 41 - MM 22.7 SB
 LIDAR 41 - MM 22.7 NB
 LIDAR 41 - MM 22.7 SB
 TRAFFIC CABINET # 1506



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

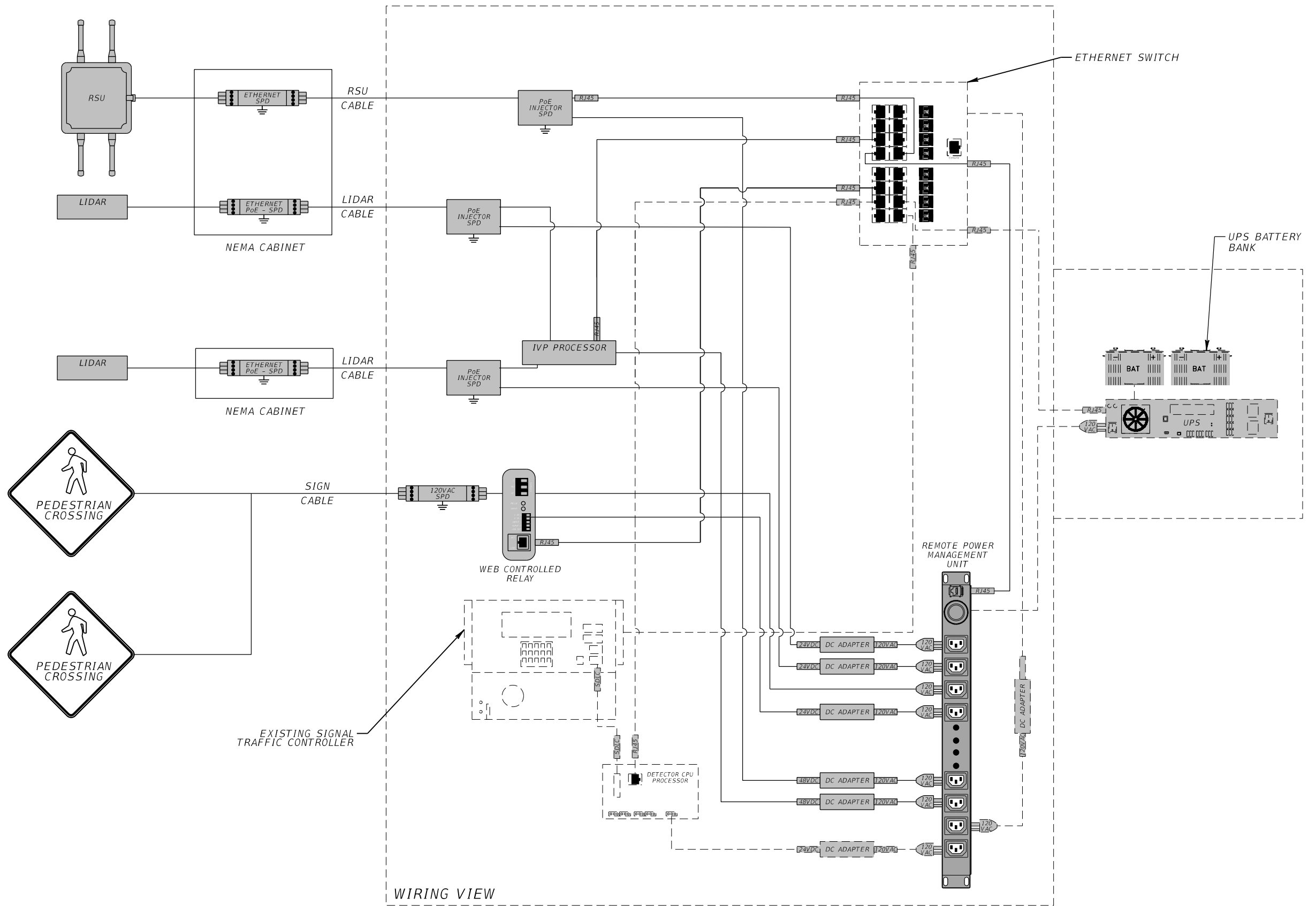
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.
75

SITE LOCATIONS:

RSU 41 - MM 22.8 SB
 LIDAR 41 - MM 22.8 NB
 LIDAR 41 - MM 22.8 SB
 PWS 41 - MM 22.7 NB
 PWS 41 - MM 22.8 SB
 TRAFFIC CABINET # 295



WIRING VIEW

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

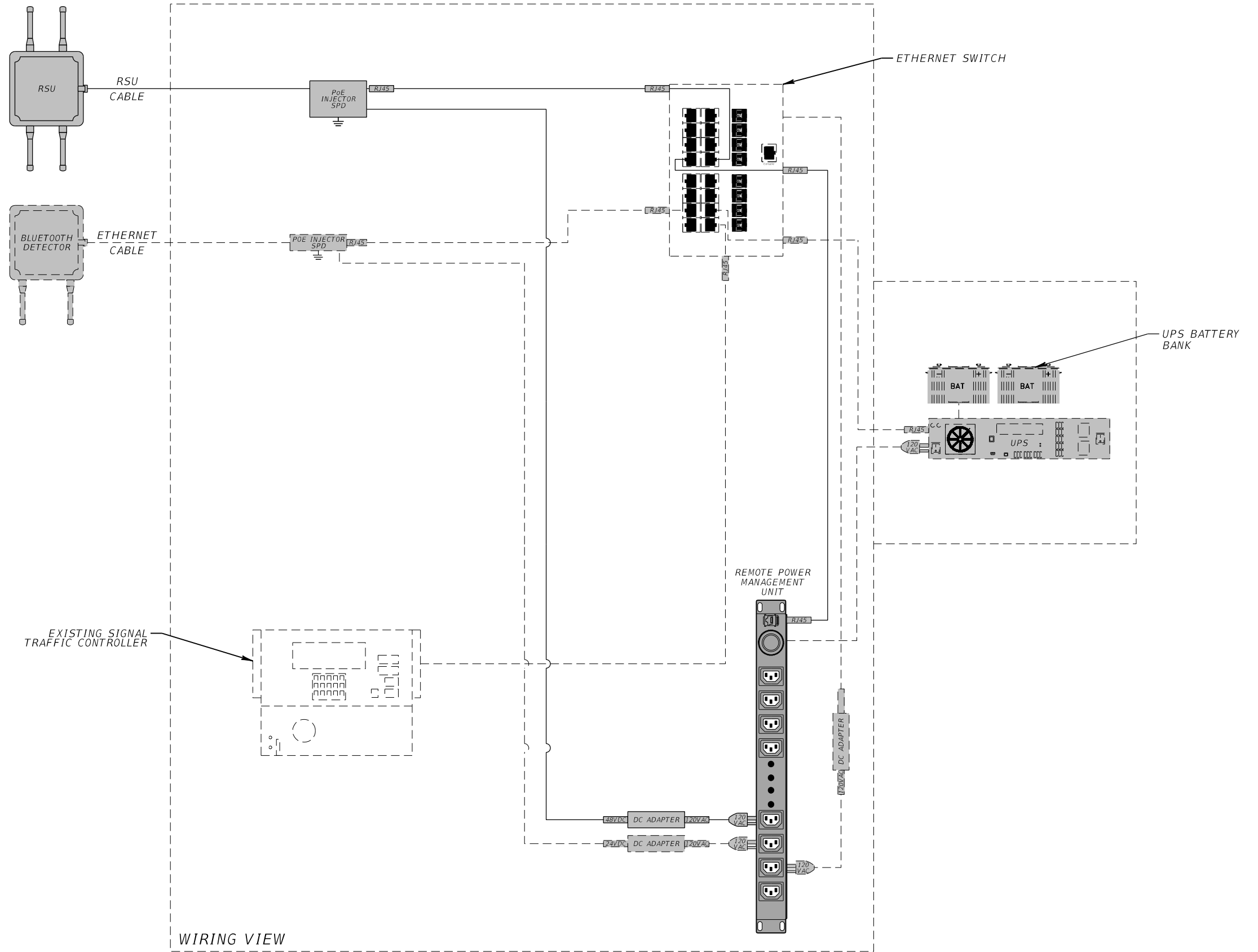
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.
76

SITE LOCATIONS:

RSU 41 - MM 23.3 SB
TRAFFIC CABINET # 297



WIRING VIEW

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

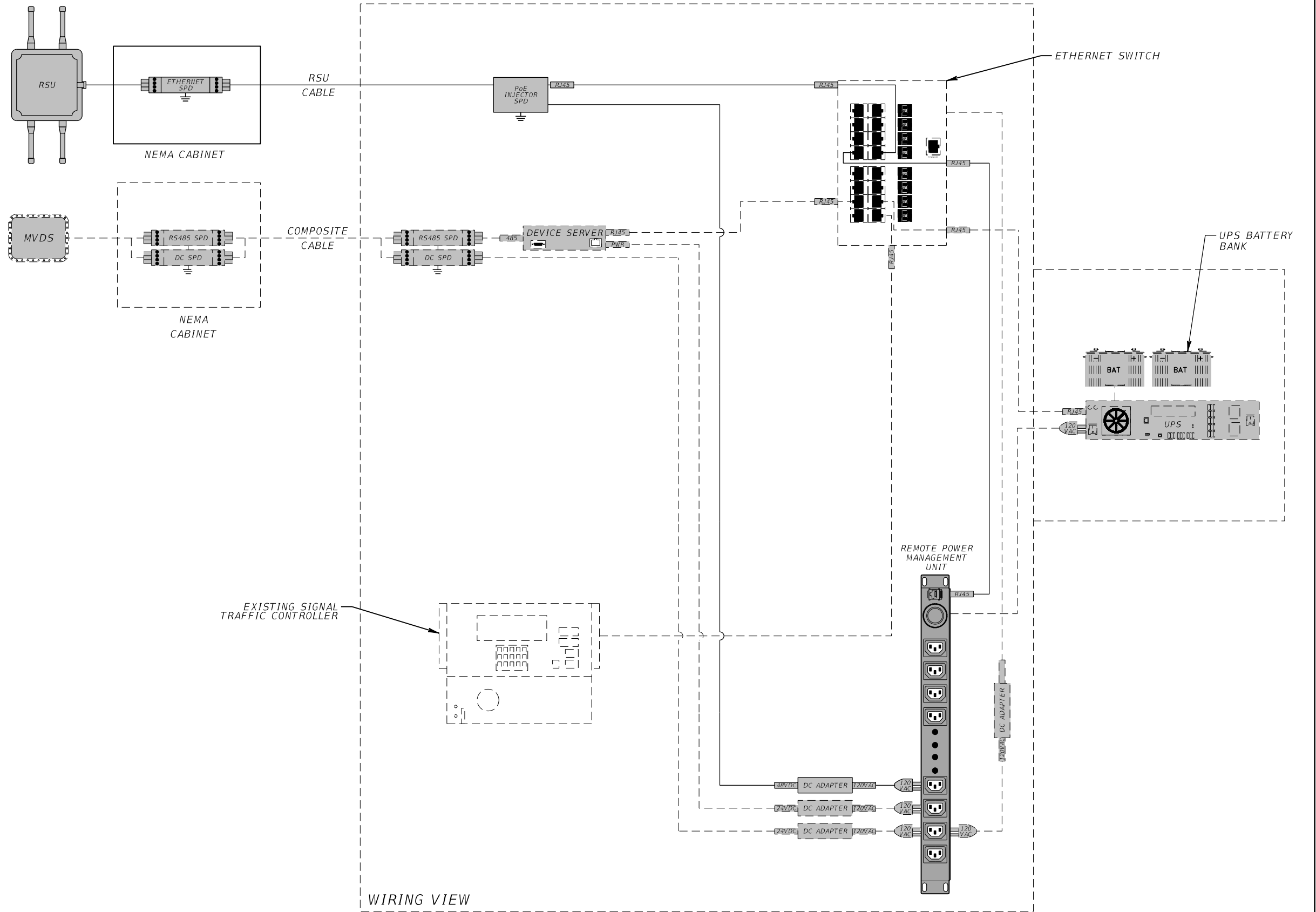
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO. 77

SITE LOCATIONS:

RSU 41 - MM 23.6 SB
TRAFFIC CABINET @ SR 80



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.
78

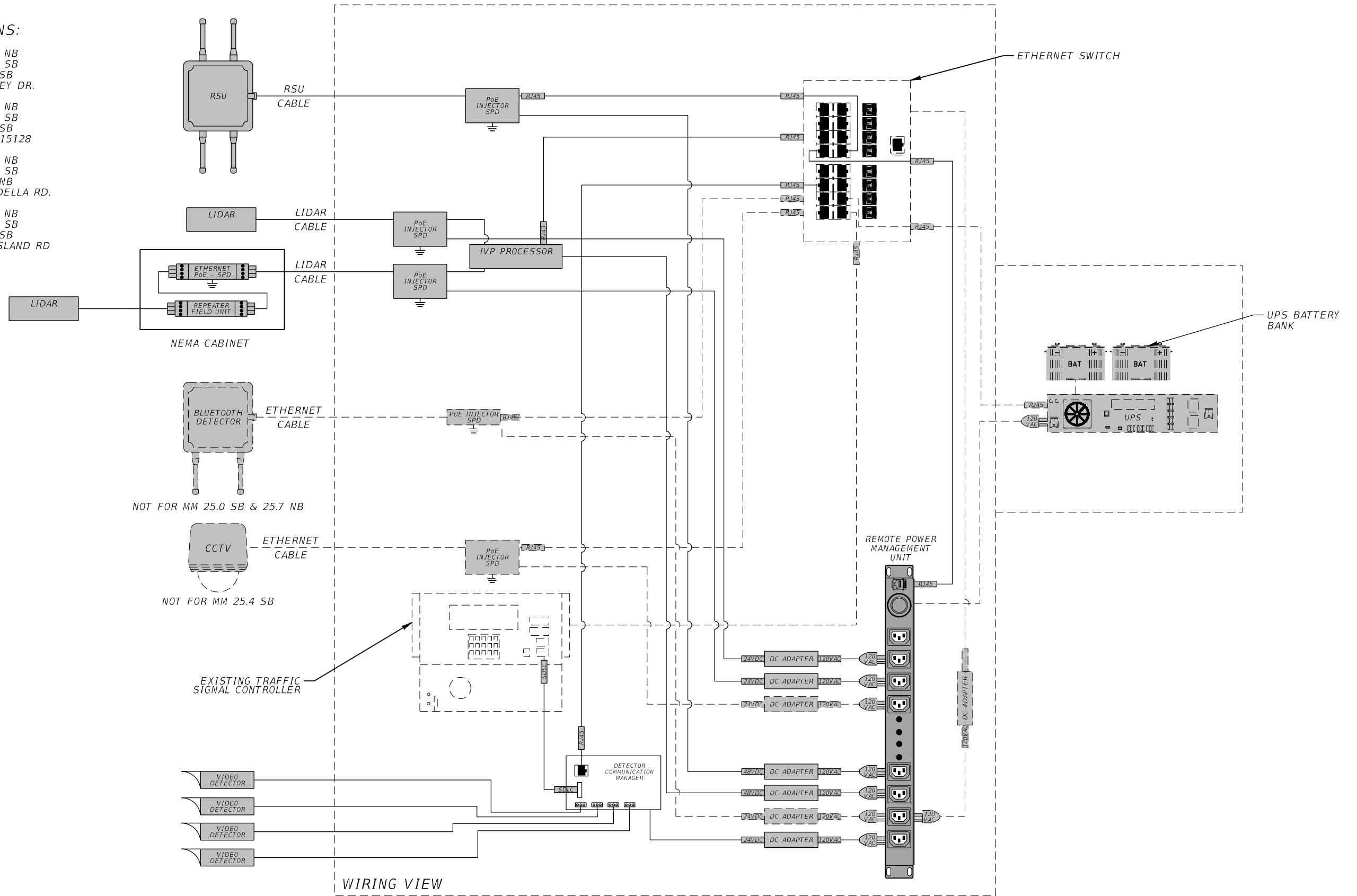
SITE LOCATIONS:

LIDAR 41 - MM 25.0 NB
 LIDAR 41 - MM 25.0 SB
 RSU 41 - MM 25.0 SB
 TRAFFIC CABINET @ KEY DR.

LIDAR 41 - MM 25.4 NB
 LIDAR 41 - MM 25.4 SB
 RSU 41 - MM 25.4 SB
 TRAFFIC CABINET # 115128

LIDAR 41 - MM 25.7 NB
 LIDAR 41 - MM 25.7 SB
 RSU 41 - MM 25.7 NB
 TRAFFIC CABINET @ PONDELLA RD.

LIDAR 41 - MM 27.0 NB
 LIDAR 41 - MM 27.0 SB
 RSU 41 - MM 27.0 SB
 TRAFFIC CABINET PINE ISLAND RD



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
 P.E. NO.: 66564
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

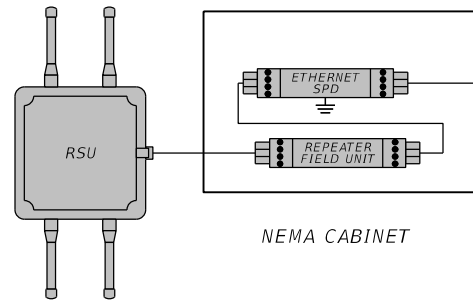
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO. 79

SITE LOCATIONS:

RSU 41 - MM 20.9 NB
TRAFFIC CABINET AT COURTNEY DR



RSU CABLE



RJ45

RJ45

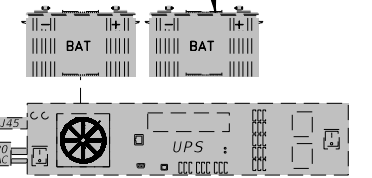
RJ45

RJ45

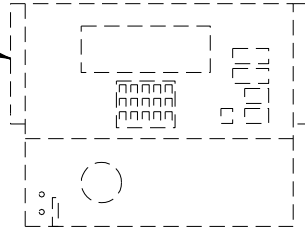
RJ45

ETHERNET SWITCH

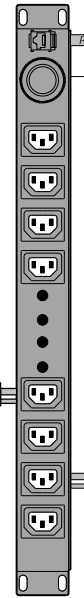
UPS BATTERY BANK



EXISTING SIGNAL TRAFFIC CONTROLLER



REMOTE POWER MANAGEMENT UNIT



DC ADAPTER

DC ADAPTER

120V AC

120V AC

WIRING VIEW

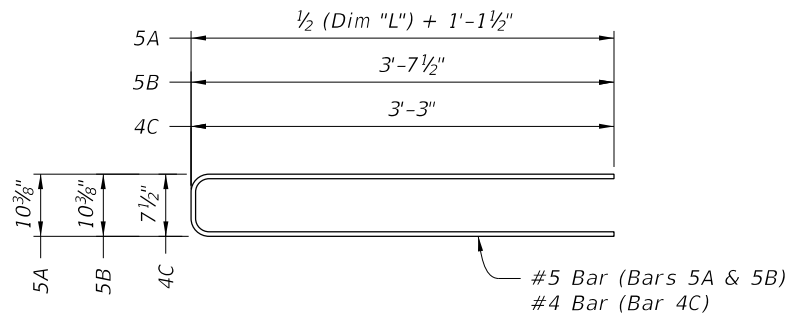
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

WIRING DIAGRAM

SHEET NO.
80

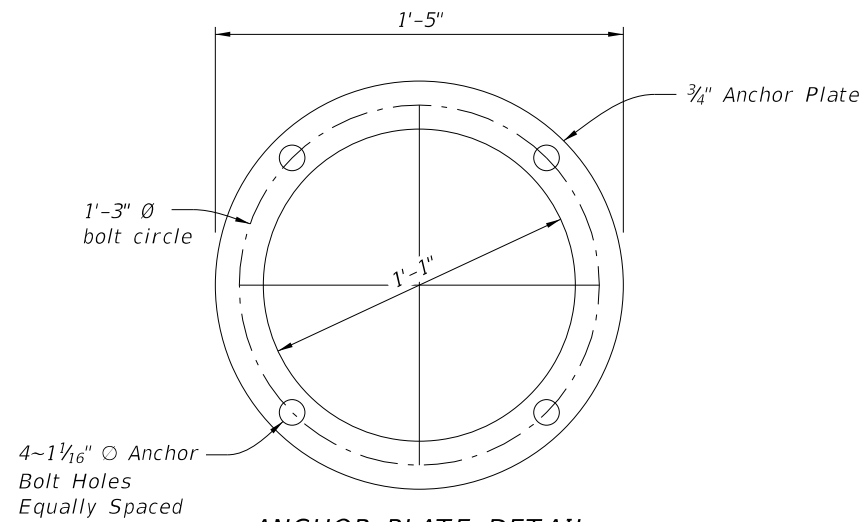


BAR BENDING DETAIL
(Bar bending dimensions are out-to-out)

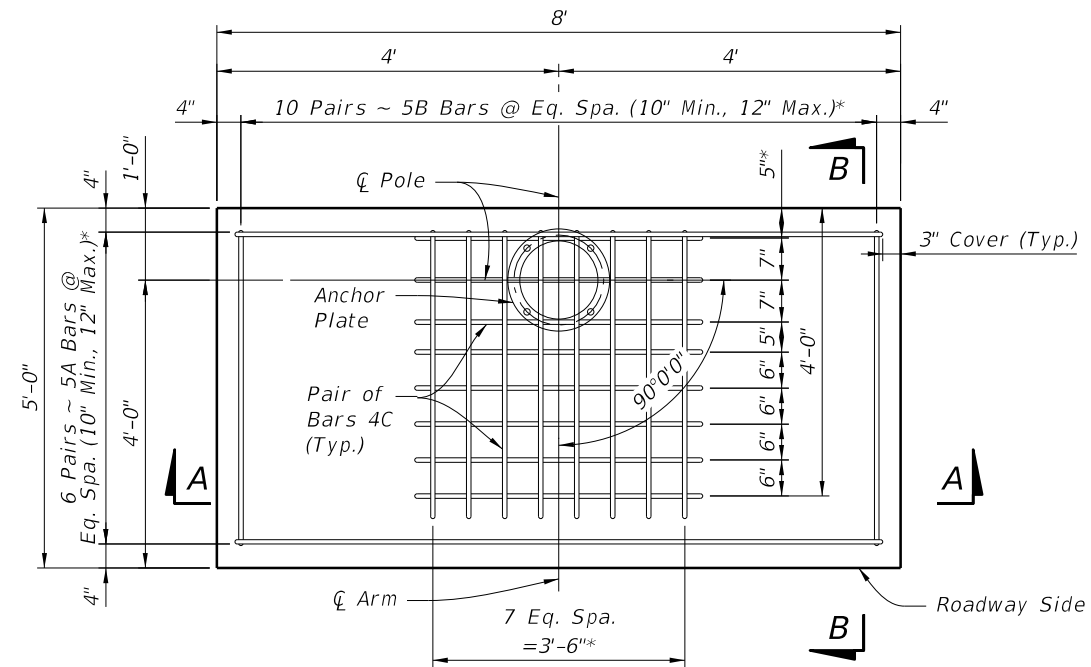
Materials:

- 1) Reinforcing Steel: Carbon Steel Bars in accordance with Specification 931.
- 2) Concrete: Class II (3400 psi compressive strength at 28 days)
- 3) Anchor Bolts: ASTM F1554 (Grade 55), Galvanized per ASTM F2329
- 4) Anchor Plate: ASTM A709 (Grade 36) or ASTM A36, Galvanized per ASTM A123

ESTIMATED FOUNDATION QUANTITIES (PER LIGHT POLE)		
ITEM	UNIT	QUANTITY
Concrete	CY	2.61
Reinforcing Steel	LB	479

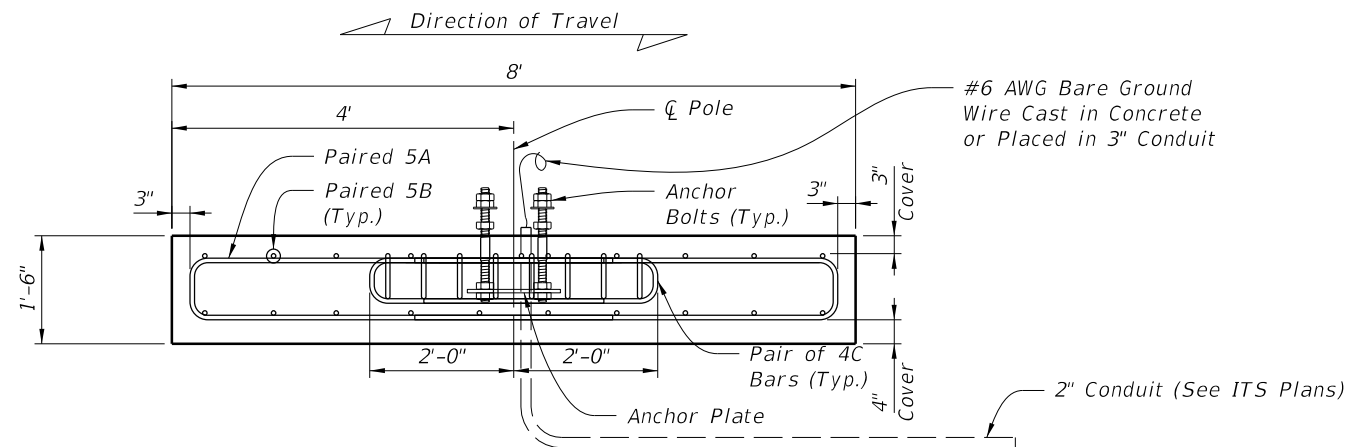


ANCHOR PLATE DETAIL



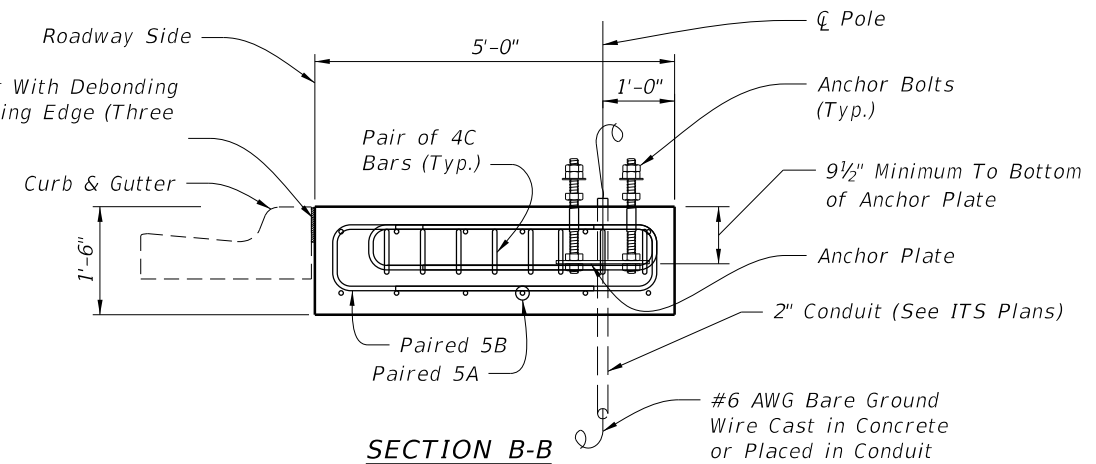
FOUNDATION PLAN
(Conduit & Wiring Not Shown)

* Adjust spacing to clear Anchor Bolts



SECTION A-A

* Construction Joint With Debonding Material Along Footing Edge (Three Sides)



SECTION B-B

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PETER JOHN MEDICO, P.E.
P.E. LICENSE NUMBER 42654
METRIC ENGINEERING, INC.
525 TECHNOLOGY PARK, SUITE 153
LAKE MARY, FLORIDA 32746

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

SPREAD FOOTING DETAILS

SHEET NO.

82

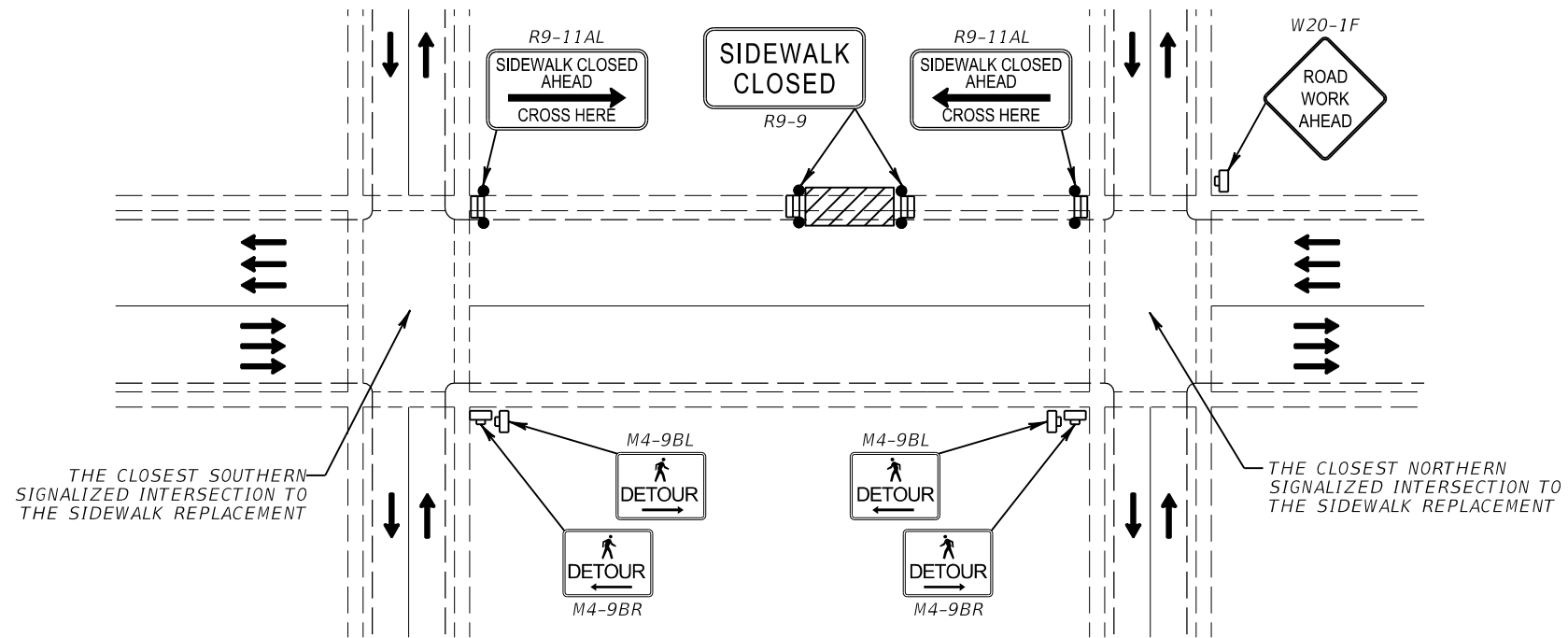
TEMPORARY TRAFFIC CONTROL PLANS GENERAL NOTES:

1. THE EXISTING POSTED SPEED LIMITS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION. ALL SPEED LIMIT SIGNS ARE TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
2. ALL LANE CLOSURES REQUIRE A 72 HOUR NOTICE REQUEST IN WRITING TO BE SUBMITTED TO THE ENGINEER AND ARE SUBJECT TO REVIEW AND APPROVAL.
3. WHEN WORK ACTIVITIES REQUIRE THE TEMPORARY CLOSURE OF A SIDEWALK, PEDESTRIAN TRAFFIC SHALL BE MAINTAINED PER FDOT STANDARD PLANS, INDEX 102-660. A SIDEWALK MAY ONLY BE CLOSED DURING ACTIVE WORK PERIODS AND MUST BE RE-OPENED TO PEDESTRIANS AT THE END OF THE WORK PERIOD.
4. A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) WILL BE REQUIRED AT EACH SIGNALIZED INTERSECTION, WHEN EXISTING SIGNAL IS NOT OPERATIONAL.

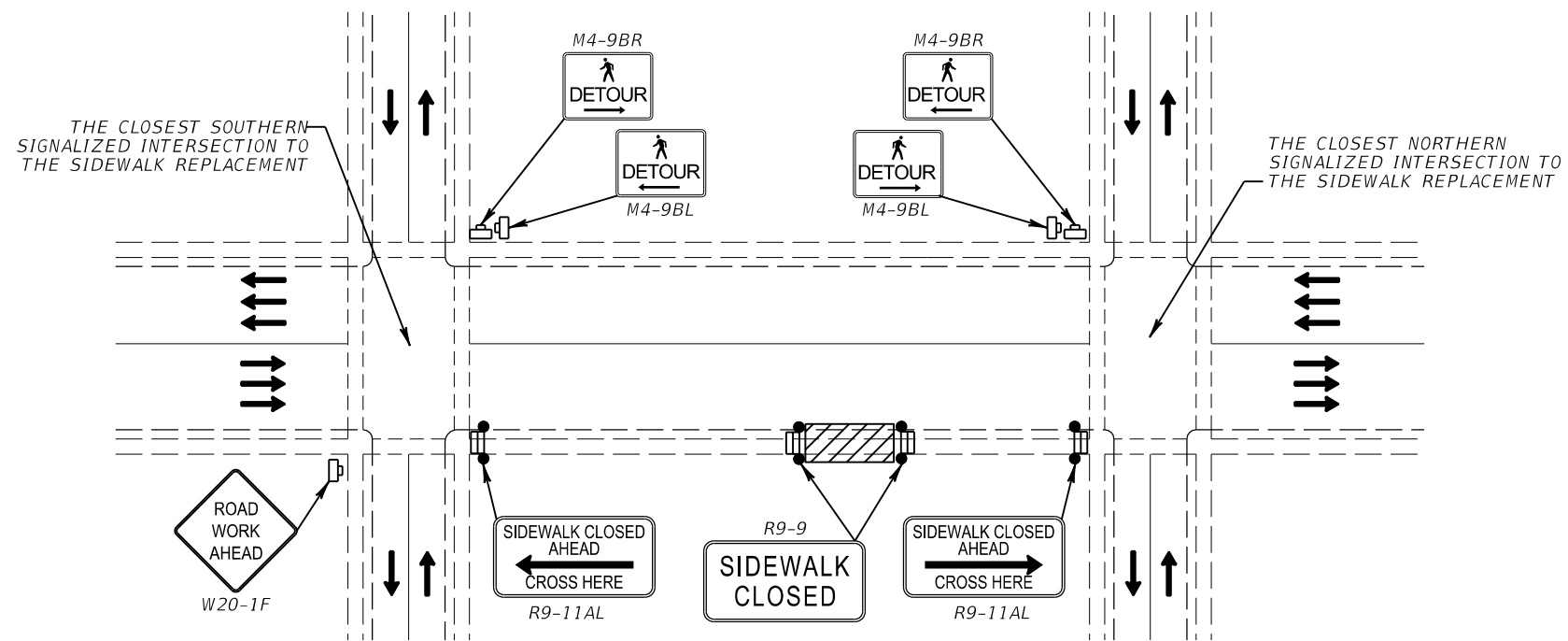
 DISPLAY 1 - USE CAUTION
 DISPLAY 2 - SIGNAL WORK AHEAD
5. UTILIZE INDEX 102-615 FOR TEMPORARY LANE CLOSURES AT OVERHEAD CABLE ALONG SPAN WIRE, LIDAR DETECTION, AND RSU INSTALLATIONS.
6. THE CONTRACTOR SHALL INFORM THE REGIONAL TRAFFIC MANAGEMENT CENTER, PRIOR TO BEGINNING AND AFTER COMPLETION OF ANY AND ALL LANE CLOSURES AND/OR DETOURS ASSOCIATED WITH THE PROJECT.
7. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE SHOULD CAUSE EXTENDED CONGESTION, THE CONTRACTOR WILL BE DIRECTED TO REOPEN THE CLOSED LANE UNTIL THE TRAFFIC IS RETURNED TO AN ACCEPTABLE FLOW.
8. WORK ALONG US 41 WHICH IMPACTS THE EXISTING SIDEWALKS AND CURB RAMPS SHALL BE LIMITED TO ONE BLOCK (DEFINED AS THE AREA BETWEEN ADJACENT SIDE STREETS) AT A TIME.
9. NO MORE THAN ONE QUADRANT OF AN INTERSECTION MAY BE UNDER CONSTRUCTION AT A TIME.
12. NO LANE CLOSURES PERMITTED BETWEEN THE HOURS OF 8AM - 8PM.

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		83
					SR 45	LEE	445363-1-52-01		

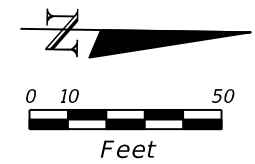
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




*PEDESTRIAN DETOUR FOR SIDEWALK REPLACEMENT
AT THE WEST SIDE OF US 41*



*PEDESTRIAN DETOUR FOR SIDEWALK REPLACEMENT
AT THE WEST SIDE OF US 41*



LEGEND

-  WORK ZONE SIGN
-  PEDESTRIAN LCD WITH MOUNTED WORK ZONE SIGN
-  PEDESTRIAN LCD
-  WORK AREA
-  DIRECTION OF TRAFFIC

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO J. GONZALEZ, P.E.
P.E. NO.: 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	445363-1-52-01

**TEMPORARY TRAFFIC
CONTROL PLANS**

SHEET NO.
84

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 I			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	P	F		
			DAYS	P	P				
102-1	MAINTENANCE OF TRAFFIC	LS			1	1		60 CONTRACT DAYS	
102-60	WORK ZONE SIGNS	ED				338			
	WORK IN SHOULDER PER INDEX 102-602 (4 EACH)		24	4	96				
	LANE CLOSURES PER INDEX 102-613 (6 EACH)		4	6	24				
	WORK AT INTERSECTION PER INDEX 102-615 (6 EACH)		20	6	120				
	PEDESTRIAN DETOUR (9 EACH)		7	14	98				
102-74-1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED				576			
	WORK IN SHOULDER PER INDEX 102-602 (10 EACH)		24	10	240				
	LANE CLOSURES PER INDEX 102-613 (14 EACH)		4	14	56				
	WORK AT INTERSECTION PER INDEX 102-615 (14 EACH)		20	14	280				
102-76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED				24			
	LANE CLOSURES PER INDEX 102-613 (ONE EACH)		4	1	4				
	WORK AT INTERSECTION PER INDEX 102-615 (ONE EACH)		20	1	20				

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-1
					SR 45	LEE	445363-1-52-01		

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SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	AREA (AC)						P	F	P	F			
0110 4 10	Removal of Existing Concrete	1031+45.74	to 1031+55.74	RT	348508			AC		5.5		88.1		SIDEWALK	
		1040+31.15	to 1040+41.15	LT	348516					5.5				SIDEWALK	
		1053+08.01	to 1053+19.74	RT	347614					6				SIDEWALK	
		1054+02.75	to 1054+12.75	RT	347602					5				SIDEWALK	
		1080+17.20	to 1080+27.19	RT	348521					5.3				SIDEWALK	
		1084+39.27	to 1084+50.39	RT	348659					5.9				SIDEWALK	
		1084+39.69	to 1084+55.83	LT	347662					8.6				SIDEWALK	
		1095+59.03	to 1095+71.79	RT	348551					6.9				SIDEWALK	
		1096+35.86	to 1096+53.13	LT	347677					9.1				SIDEWALK	
		1098+03.05	to 1098+13.05	RT	348529					5.6				SIDEWALK	
		1101+78.04	to 1101+98.61	LT	348581					11.4				SIDEWALK	
		1106+41.25	to 1106+51.25	LT	348575					5.5				SIDEWALK	
		1114+32.01	to 1114+41.83	LT	348589					5.4				SIDEWALK	
		1120+73.45	to 1120+78.45	RT	348598					2.4				SIDEWALK	

REVISIONS				RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-2
					SR 45	LEE	445363-1-52-01		

SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES

CONST. PHASE	LOCATION STA. TO STA.	SIDE	LENGTH	DAYS	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
					102	74 8		
					P	F		
1	1030+10 TO 1030+10	RT	6	7	42			
1	1031+40 TO 1031+40	RT	6	7	42			
1	1036+40 TO 1036+40	RT	6	7	42			
1	1053+06 TO 1053+06	RT	6	7	42			
1	1053+22 TO 1053+22	RT	6	7	42			
1	1054+00 TO 1054+00	RT	6	7	42			
1	1054+15 TO 1054+15	RT	6	7	42			
1	1059+10 TO 1059+10	RT	6	7	42			
1	1080+10 TO 1080+10	RT	6	7	42			
1	1080+10 TO 1080+10	LT	6	7	42			
1	1080+30 TO 1080+30	RT	6	7	42			
1	1084+30 TO 1084+30	RT	6	7	42			
1	1084+30 TO 1084+30	LT	6	7	42			
1	1084+60 TO 1084+60	RT	6	7	42			
1	1084+60 TO 1084+60	LT	6	7	42			
1	1085+20 TO 1085+20	RT	6	7	42			
1	1095+50 TO 1095+50	RT	6	7	42			
1	1095+80 TO 1095+80	RT	6	7	42			
1	1096+30 TO 1096+30	LT	6	7	42			
1	1096+30 TO 1096+30	RT	6	7	42			
1	1096+60 TO 1096+60	LT	6	7	42			
1	1098+00 TO 1098+00	RT	6	7	42			
1	1098+20 TO 1098+20	RT	6	7	42			
1	1101+60 TO 1101+60	LT	6	7	42			
1	1102+00 TO 1102+00	RT	6	7	42			
1	1102+10 TO 1102+10	LT	6	7	42			
1	1102+90 TO 1102+90	LT	6	7	42			
1	1106+30 TO 1106+30	LT	6	7	42			
1	1106+60 TO 1106+60	LT	6	7	42			
1	1114+20 TO 1114+20	LT	6	7	42			
1	1114+40 TO 1114+40	LT	6	7	42			
					SUB-TOTAL:	1302		
					TOTAL:	1302		

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p align="center">RICARDO J. GONZALEZ, P.E. P.E. NO.: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224</p>	<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 45</td> <td>LEE</td> <td>445363-1-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	LEE	445363-1-52-01	<p align="center">SUMMARY OF QUANTITIES</p>	<p align="center">SHEET NO.</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																				
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																					
SR 45	LEE	445363-1-52-01																					
<p align="center">SQ-3</p>																							

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