

02/03/98

26-MAR-2021 12:08
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rghall AT RD-303048L

TABLE "C" JUNCTION BOX SUMMARY															
CONTROL SYSTEM "D"														GPS LOCATION 	
SHEET	LABEL	LOCATION AND OFFSET	TYPE, PAY ITEM & SIZE											LAT/LONG	
			IN GROUND			LIGHT STANDARD			HIGH MAST			CONTROL SYSTEM	BARRIER RAIL	SIDE WALK	
			IG18 18"X12"	IG30 30"X17"	IG36 36"X24"	LS18 18"X12"	LS30 30"X17"	LS36 36"X24"	HM18 18"X12"	HM30 30"X17"	HM36 36"X24"	CS36 36"X24"	BR18 18"X12"	SW18 18"X12"	
E2	JBD1	-Y14RPC- STA. 21+73, 34' RT		X											
E2	JBD2	-YR14RPC- STA. 21+73, 24' LT		X											
E2	JBD3	-L- STA. 964+04, 80' RT	X												
E2	JBD4	-L- STA. 869+20, 84' RT	X												
E2	JBD5	-L- STA. 969+20, 82' LT	X										-		
E2	JBD6	-L- STA. 964+04, IN MEDIAN BARRIER											X		
E2	JBD7	-Y14- STA. 31+22, 47' LT		X											
E2	JBD8	-NBCD- STA. 12+52, 31' RT		X											
E2	JBD9	-NBCD- STA. 15+42, 54' RT		X											
E2	JBD10	-NBCD- STA. 16+32, 27' RT		X											
E2	JBD11	-NBCD- STA. 21+22, 30' RT		X											
E2	JBD12	-NBCD- STA. 23+95, 24' LT	X												
E2	JBD13	-NBCD- STA. 26+67, 24' LT	X												
E2	HMJBD-1	10' FROM HM D-1							X						
E2	HMJBD-2	10' FROM HM D-2							X						
E2	HMJBD-3	10' FROM HM D-3							X						
E2	HMJBD-4	10' FROM HM D-4							X						
E2	CSDJB	2' IN FRONT OF CSD										X			
E2	JBD14	-Y14RAB- STA. 11+30, 37' RT	X												
E2	JBD15	-Y14RAB- STA. 11+30, 30' LT	X												
E2	JBD16	-Y14RAB- STA. 10+54, 30' LT	X												
E2	JBD17	-Y14RAB- STA. 10+54, 41' RT	X												
E2	JBD18	-Y14RAA- STA. 12+60, 30' LT	X												
E2	JBD19	-Y14RAA- STA. 12+60, 44' RT	X												
E2	JBD20	-Y14RAA- STA. 13+20, 51' RT	X												
E2	JBD21	-Y14RAA- STA. 13+20, 27' LT	X												
		CSD TOTALS	13	7					4			1	1		

TABLE "B" AND TABLE "C" CONTINUED ON NEXT PAGE

PROJECT REFERENCE NO.
I-5878

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DocuSign
Roger Kluckman
3/26/2021

TABLE "B" ELECTRICAL DUCT SUMMARY (ESTIMATED LENGTH IN FEET)										
			TYPE							
			JACKED (JA) FEET				BURIED (BD) FEET			
LOCATION	RACEWAY 	SHEET	SIZE 2"	SIZE 3"	SIZE 4"	SIZE 6"	SIZE 2"	SIZE 3"	SIZE 4"	SIZE 6"
-Y14- STA. 31+22		E2			70					
-Y14- STA. 31+22	CSJBD - JBD7	E2					104			
-Y14RPC- STA. 21+73		E2			32					
-Y14RPC- STA. 21+73	JBD1 - JBD2	E2					64			
-L- STA. 964+04		E2		80						
-L- STA. 969+20		E2		160						
-NBCD- STA. 21+22		E2			34					
-NBCD- STA. 21+22	JBD11 - HMJBD-3	E2					89			
-Y14RAB- STA. 10+54		E2							73	
-Y14RAB- STA. 11+30		E2							67	
-Y14RAA- STA. 13+20		E2							82	
-Y14RAA- STA. 12+60		E2							73	
	CSD TOTALS			240	136		257		295	

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COMPUTED BY: SKS
CHECKED BY: RGH

DATE: 3/26/21
DATE: 3/26/21

02/03/98

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rghall AT RD-303048L

TABLE "C" JUNCTION BOX SUMMARY															
CONTROL SYSTEM "E"														GPS LOCATION 	
SHEET	LABEL	LOCATION AND OFFSET	TYPE, PAY ITEM & SIZE											LAT/LONG	
			IN GROUND			LIGHT STANDARD			HIGH MAST			CONTROL SYSTEM	BARRIER RAIL		
			IG18 18"X12"	IG30 30"X17"	IG36 36"X24"	LS18 18"X12"	LS30 30"X17"	LS36 36"X24"	HM18 18"X12"	HM30 30"X17"	HM36 36"X24"	CS36 36"X24"	BR18 18"X12"	SW18 18"X12"	
E3	JBE1	-L- STA. 999+04, 82' LT	X												
E3	JBE2	-Y15- STA. 27+40, 66' RT	—	X											
E3	JBE3	-L- STA. 1004+22, 82' LT		X											
E3	JBE4	-L- STA. 1006+39, 82' LT	X												
E3	JBE5	-L- STA. 1004+22', 109' RT		X											
E3	JBE6	-Y15RPD- STA. 27+62, 24' RT			X										
E3	JBE7	-Y15RPD- STA. 24+04, 29' RT	X												
E3	JBE8	-YRPD- STA. 20+84, 38' RT	X												
E3	JBE9	-L- STA. 103+89, 80' RT	X												
E3	JBE10	-L- STA. 1013+89, IN MEDIAN BARRIER			—							X			
E3	HMJBE-1	10' FROM HM E-1								X					
E3	HMJBE-2	10' FROM HM E-2						X							
E3	HMJBE-3	10' FROM HM E-3						X							
E3	HMJBE-4	10' FROM HM E-4						X							
E3	HMJBE-5	10' FROM HM E-1						X							
E3	CSEJB	2' IN FRONT OF CSE									X				
CSE TOTALS			5	3	1				4		1	1	1		

PROJECT REFERENCE NO.
1-5878

SHEET NO.
E1B

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SEAL
022942
ENG/NEER
ROGER C KLUCKMAN

DocuSigner ID
Roger Kluckman
A47FB0E826E420

3/26/2021

TABLE "B" ELECTRICAL DUCT SUMMARY (ESTIMATED LENGTH IN FEET)										
			TYPE							
			JACKED (JA) FEET				BURIED (BD) FEET			
LOCATION	RACEWAY 	SHEET	SIZE 2"	SIZE 3"	SIZE 4"	SIZE 6"	SIZE 2"	SIZE 3"	SIZE 4"	SIZE 6"
-Y15RPD- STA. 27+62		E3				38				
-Y15RPD- STA. 27+62	CSJB - JBE6	E3						94		
-L- STA. 1004+22		E3			160					
-L- STA. 1004+22	JBE5 - JBE3	E3					188			
-Y15- STA. 27+32		E3			95					
-Y15- STA. 27+32	JBE3 - JBE2	E3					184			
-L- STA. 1011+89		E3		80						
CSE TOTALS				80	255	38	372	94		

TABLE "B" AND TABLE "C" CONTINUED ON NEXT PAGE

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rghall AT RD-303048L

TABLE "C" (CONTINUED) JUNCTION BOX SUMMARY															
CONTROL SYSTEM "F"														GPS LOCATION 	
SHEET	LABEL	LOCATION AND OFFSET	TYPE, PAY ITEM & SIZE												LAT/LONG
			IN GROUND			LIGHT STANDARD			HIGH MAST			CONTROL SYSTEM	BARRIER RAIL	SIDE WALK	
			IG18 18"x12"	IG30 30"x17"	IG36 36"x24"	LS18 18"x12"	LS30 30"x17"	LS36 36"x24"	HM18 18"x12"	HM30 30"x17"	HM36 36"x24"	CS36 36"x24"	BR18 18"x12"	SW18 18"x12"	
E4	JBF1	-L- STA. 1092+94, IN MEDIAN BARRIER											X		
E4	JBF2	-L- STA. 1092+94, 80' RT	X										—		
E4	JBF3	-L- STA. 1095+19, 82' RT	X												
E4	JBF4	-L- STA. 1097+65, 82' RT	X												
E4	JBF5	-L- STA. 1100+10, 85' RT			X										
E4	JBF6	--Y16RPC- STA. 27+57, 24' LT			X										
E4	JBF7	-Y16RPD- STA. 19+64, 24' RT			X										
E4	JBF8	-Y16RPD- STA. 16+98, 24' RT	X												
E4	JBF9	-L- STA. 1108+85, 80' RT	X												
E4	JBF10	-L- STA. 108+85, IN MEDIAN BARRIER											X		
E4	JBF11	-L- STA. 1103+90, 86' LT	X												
E4	JBF12	-Y16- STA. 26+08, 57'RT	X												
E4	JBF13	-L- STA. 1097+51, 122' LT	X												
E4	HMJBF-1	10' FROM HM F-1							X						
E4	HMJBF-2	10' FROM HM F-2							X						
E4	HMJBF-3	10' FROM HM F-3							X						
E4	HMJBF-4	10' FROM HM F-4							X						
E4	CSFJB	2' IN FRONT OF CSF										x			
CSF TOTALS			8		3				4			1	2		

TABLE "B" AND TABLE "C" CONTINUED ON NEXT PAGE

PROJECT REFERENCE NO.
1-5883

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E/C

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Seal of the State of North Carolina
Professional Engineer
SEAL 022942
ROGER C. KLUCKEN
3/26/2021

DocuSigned by
Roger Kluckman
3/26/2021

TABLE "B" (CONTINUED)
ELECTRICAL DUCT SUMMARY
(ESTIMATED LENGTH IN FEET)

			TYPE							
			JACKED (JA) FEET				BURIED (BD) FEET			
LOCATION	RACEWAY 1	SHEET	SIZE 2"	SIZE 3"	SIZE 4"	SIZE 6"	SIZE 2"	SIZE 3"	SIZE 4"	SIZE 6"
-Y16RPD- STA. 19+64		E4				60				
-Y16RPD- STA. 19+64	CSF - JB7	E4						120		
-Y16- STA. 30+20		E4				67				
-Y16- STA. 30+20	JBF7 - JBF6	E4						150		
-L- STA. 1100+10		E4			160					
-L- STA. 1100+10	JBF5 - JBF12	E4					228			
-Y16- STA. 25+50		E4			80					
-Y16- STA. 25+50	JBF12 - HMJBF-3	E4					143			
-L- STA. 1092+94		E4		80						
-L- STA. 1108+85		E4		80						
CSB TOTALS				160	240	127	371	270		

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02/03/98

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rghall AT RD-303048L

TABLE "C" (CONTINUED) JUNCTION BOX SUMMARY															
CONTROL SYSTEM "G"														GPS LOCATION 	
SHEET	LABEL	LOCATION AND OFFSET	TYPE, PAY ITEM & SIZE												LAT/LONG
			IN GROUND			LIGHT STANDARD			HIGH MAST			CONTROL SYSTEM	BARRIER RAIL	SIDE WALK	
			IG18 18"x12"	IG30 30"x17"	IG36 36"x24"	LS18 18"x12"	LS30 30"x17"	LS36 36"x24"	HM18 18"x12"	HM30 30"x17"	HM36 36"x24"	CS36 36"x24"	BR18 18"x12"	SW18 18"x12"	
E5	JBG1	-L- STA. 1096+31, IN MEDIAN BARRIER											X		
E5	JBG2	-L- STA. 1196+31, 80' LT	X												
E5	JBG3	-Y17RPB- STA. 21+20, 24' RT	X												
E5	JBG4	-Y17RPB- STA. 25+00, 24' RT	X												
E5	JBG5	-Y17RPB- STA. 28+55, 24' RT			X										
E5	JBG6	--Y17RPA- STA. 21+67, 25'' LT	X												
E5	JBG7	-L- STA. 1215+71, 80' LT	X												
E5	JBG8	-L- STA. 1215+71, IN MEDIAN BARRIER										X			
E5	JBG9	-Y17- STA. 24+02, 44' RT	X												
E5	JBG10	-L- STA. 1206+72, 82' LT	X												
E5	JBG11	-L- 1205+30, 82' RT	X												
E5	JBG12	-Y17- STA. 29+59, 39' RT	X												
E5	HMJBG-1	10' FROM HM G-1						X							
E5	HMJBG-2	10' FROM HM G-2						X							
E5	HMJBG-3	10' FROM HM G-3						X							
E5	HMJBG-4	10' FROM HM G-3						X							
E5	CSGJB	2' IN FRONT OF CSG									X				
CSG TOTALS			9		1			4			1	2			

PROJECT REFERENCE NO.
1-5883

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Seal of the State of North Carolina
Professional Engineer
SEAL 022942
ROGER C. KLICKMAN
ATTFB0E0B26E420

DocuSigned by
Roger Klickman
3/26/2021

TABLE "B" (CONTINUED) ELECTRICAL DUCT SUMMARY (ESTIMATED LENGTH IN FEET)										
			TYPE							
			JACKED (JA) FEET				BURIED (BD) FEET			
LOCATION	RACEWAY 	SHEET	SIZE 2"	SIZE 3"	SIZE 4"	SIZE 6"	SIZE 2"	SIZE 3"	SIZE 4"	SIZE 6"
-Y17RPB- STA. 28+55		E5				50				
-Y17RPB- STA, 28+55	CSGJB - JBG5	E5						121		
-Y17- STA. 22+20		E5			55					
-Y17- STA. 22+20	JBG5 - JBG6	E5					101			
-L- STA. 1206+00		E5		211						
-Y17- STA. 29+59		E5		65						
-L- STA. 1196+31		E5		80						
-L- STA. 1215+71		E5		80						
CSG TOTALS				436	55	50	101	121		

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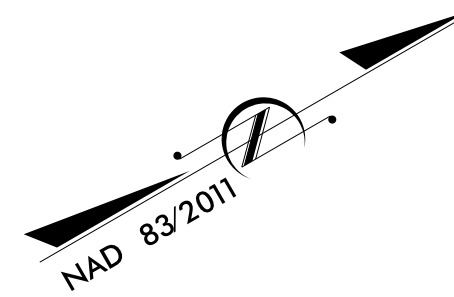
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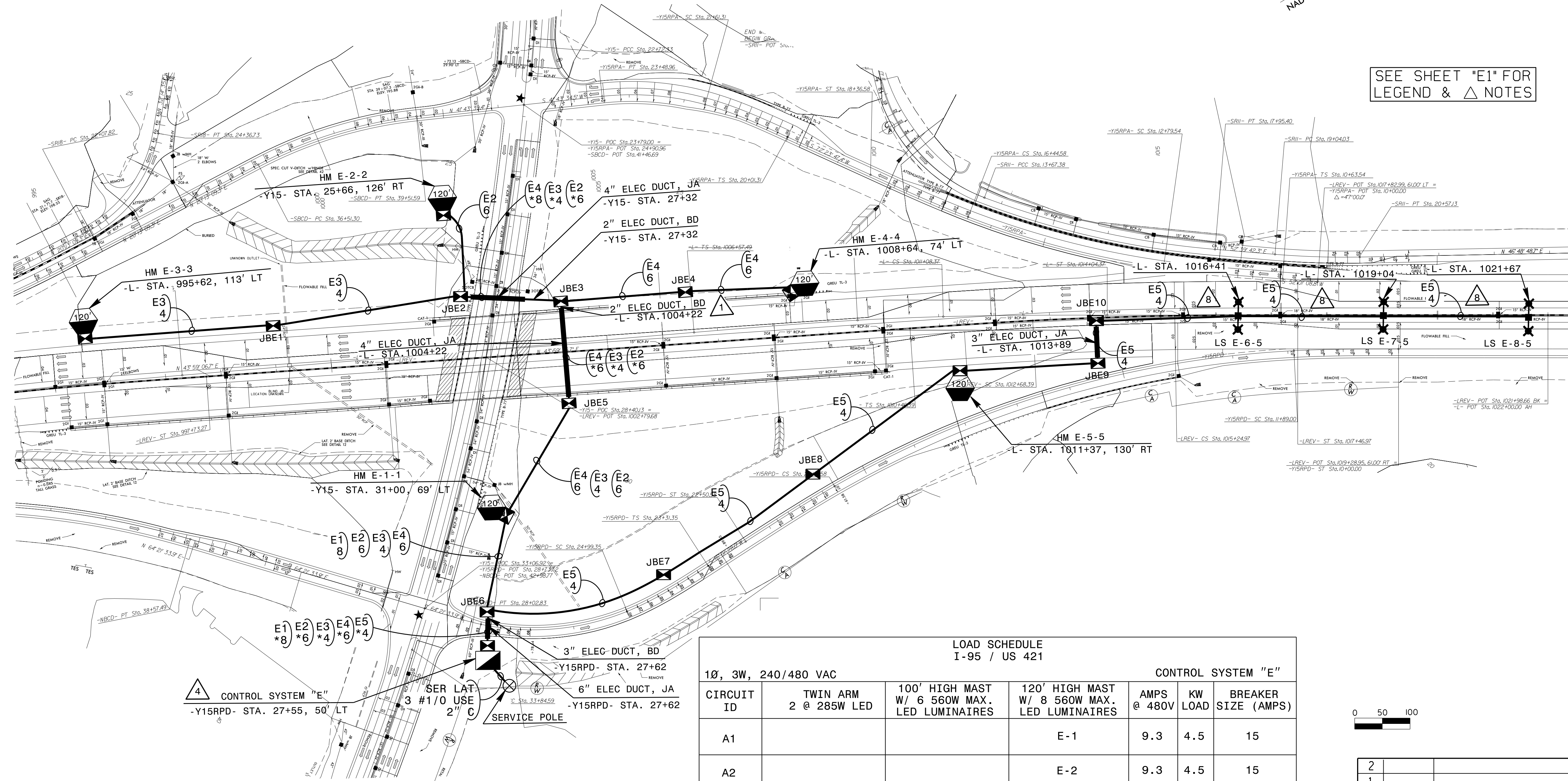


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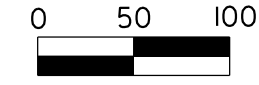


△ 4 CONTROL SYSTEM "E"
-Y15RPD- STA. 27+55, 50' LT

SER LAT
3 #1/0 USE
2" C

SERVICE POLE

LOAD SCHEDULE I-95 / US 421						
1Ø, 3W, 240/480 VAC			CONTROL SYSTEM "E"			
CIRCUIT ID	TWIN ARM 2 @ 285W LED	100' HIGH MAST W/ 6 560W MAX. LED LUMINAIRES	120' HIGH MAST W/ 8 560W MAX. LED LUMINAIRES	AMPS @ 480V	KW LOAD	BREAKER SIZE (AMPS)
A1			E-1	9.3	4.5	15
A2			E-2	9.3	4.5	15
A3			E-3	9.3	4.5	15
A4			E-4	9.3	4.5	15
A5	E-6, E-7, E-8		E-5	12.9	6.2	20
SPARE						20
TOTAL	3		5	50.1	24.2	

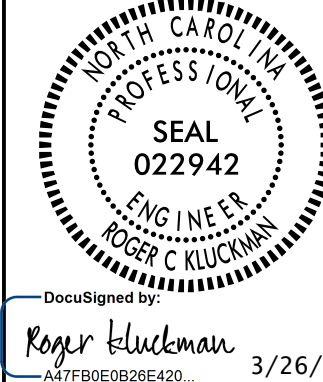
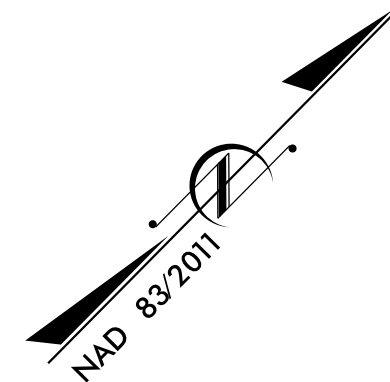


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1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION			
LIGHTING LAYOUT I-95 / US 421 INTERCHANGE (EXIT-73)			
HARNETT COUNTY			
Drawn By: SKS	Approved By: RGH	Dwg No.:	

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rgball AT RD 303048

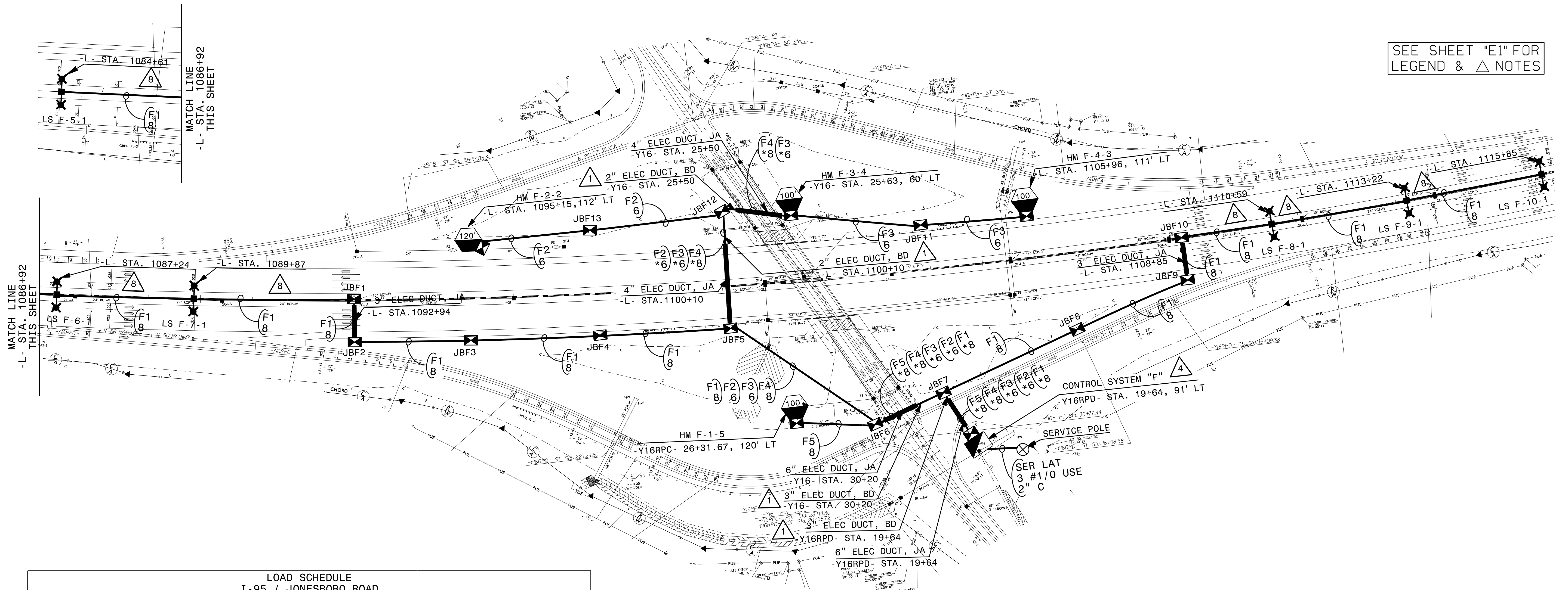
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PROJECT REFERENCE NO. 1-5883 SHEET NO. E4

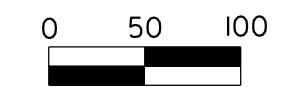


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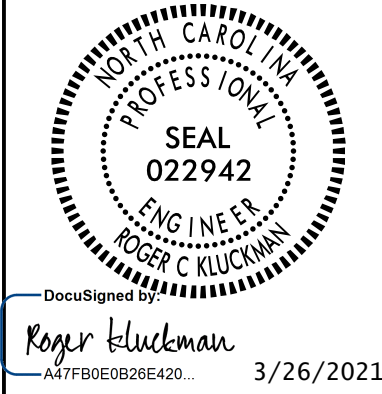
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LOAD SCHEDULE I-95 / JONESBORO ROAD						
1Ø, 3W, 240/480 VAC						
CONTROL SYSTEM "F"						
CIRCUIT ID	TWIN ARM 1 @ 285W MAX. LED	100' HIGH MAST W/ 6 560W MAX. LED LUMINAIRES	120' HIGH MAST W/ 8 560W MAX. LED LUMINAIRES	AMPS @ 480V	KW LOAD	BREAKER SIZE (AMPS)
F1	F-5, F-6, F-7 F-8, F-9, F-10			7.2	3.4	15
F2			F-2	9.3	4.5	15
F3		F-4		6.9	3.3	15
F4		F-3		6.9	3.3	15
F5		F-1		6.9	3.3	15
SPARE						15
TOTAL	6	3	1	37.2	17.8	



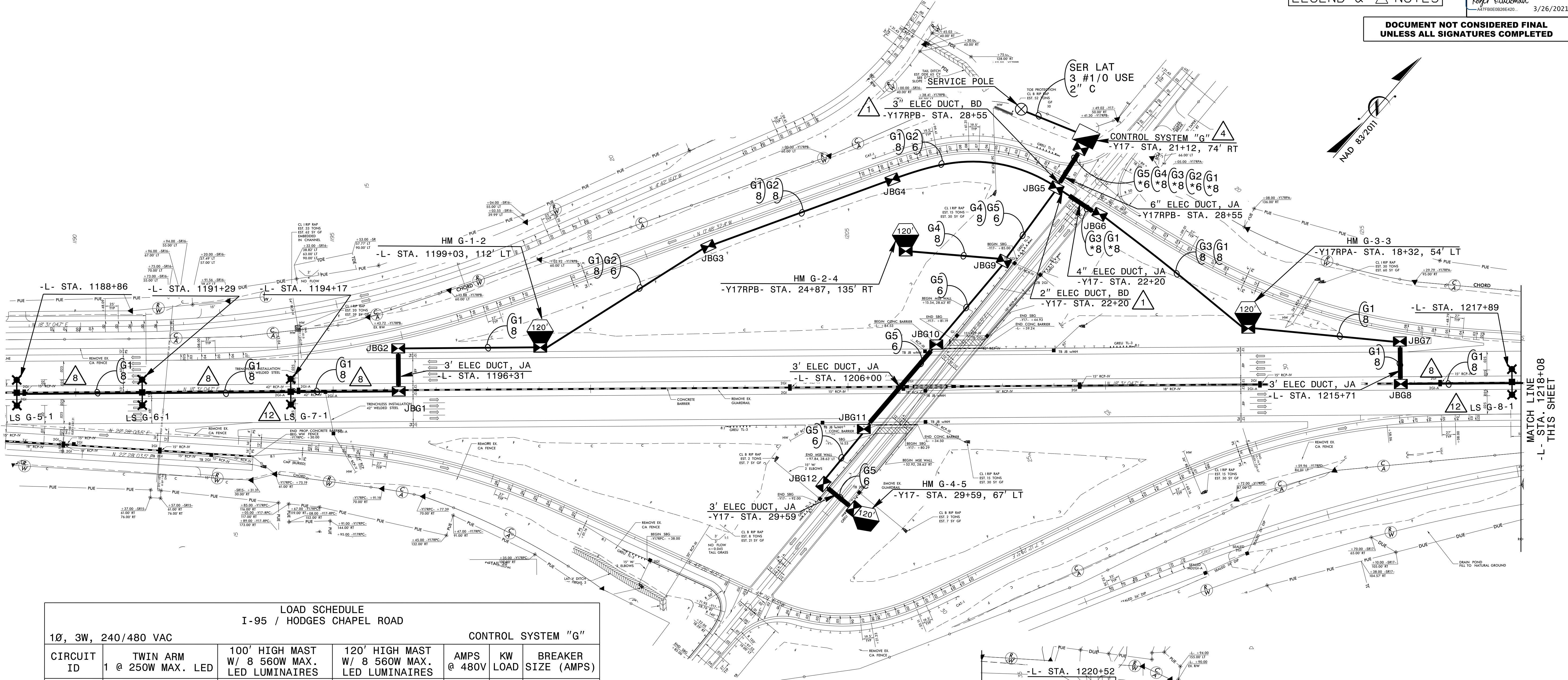
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Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION			
LIGHTING LAYOUT I-95 / JONESBORO ROAD INTERCHANGE (EXIT-75)			
HARNETT COUNTY			
Drawn By:	SKS	Approved By:	RGH
Dwg No.:			



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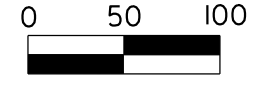
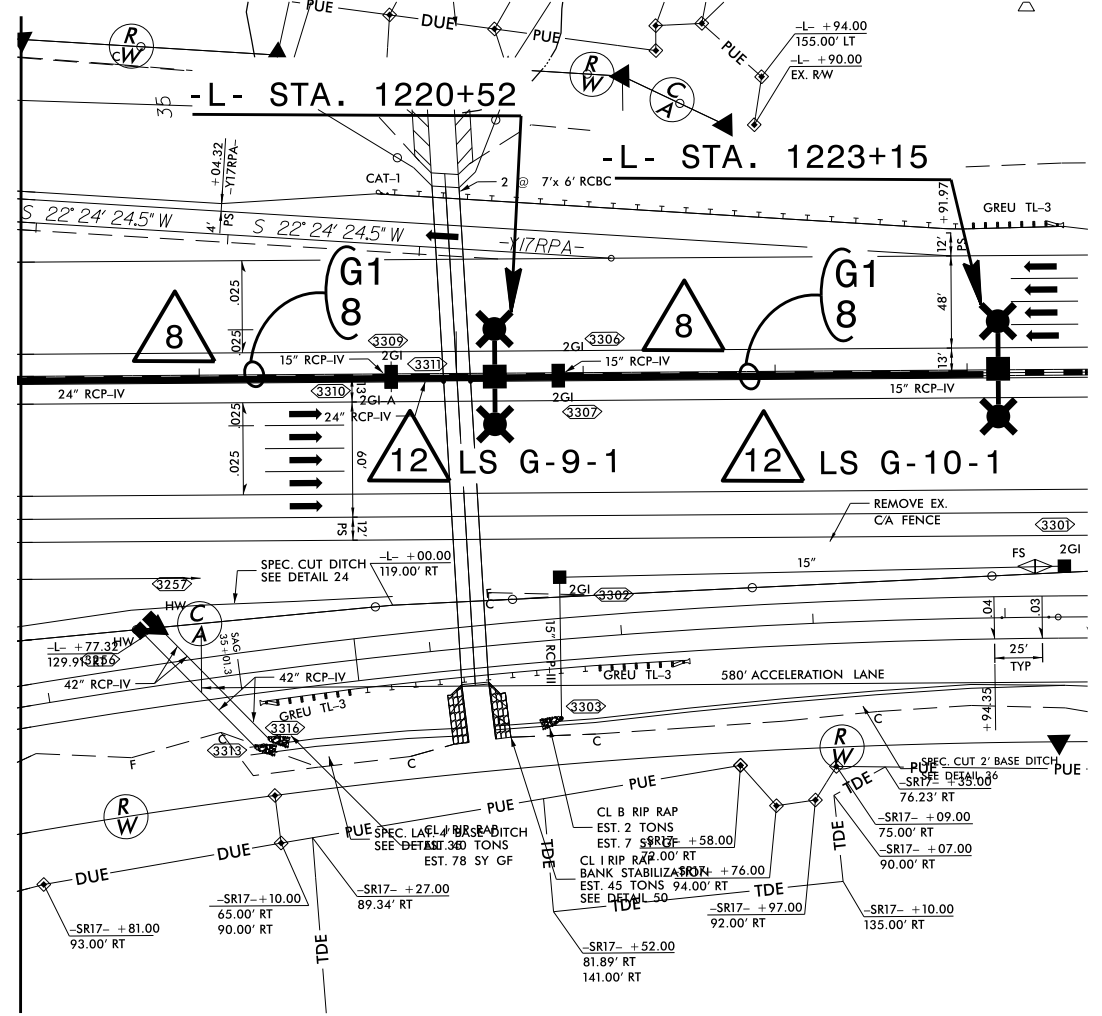
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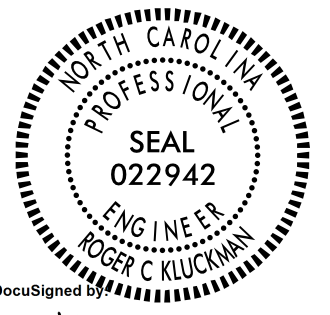


LOAD SCHEDULE I-95 / HODGES CHAPEL ROAD						
1Ø, 3W, 240/480 VAC			CONTROL SYSTEM "G"			
CIRCUIT ID	TWIN ARM 1 @ 250W MAX. LED	100' HIGH MAST W/ 8 560W MAX. LED LUMINAIRES	120' HIGH MAST W/ 8 560W MAX. LED LUMINAIRES	AMPS @ 480V	KW LOAD	BREAKER SIZE (AMPS)
G1	G-5, G-6, G-7, G-8, G-9, G-10			7.2	3.4	15
G2			G-1	9.3	4.5	15
G3			G-2	9.3	4.5	15
G4			G-3	9.3	4.5	15
G5			G-4	9.3	4.5	15
SPARE						15
TOTAL	6		4	44.4	21.4	

MATCH LINE
-L- STA. 1218+08
THIS SHEET



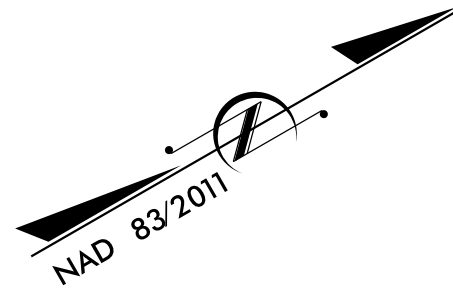
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Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION LIGHTING LAYOUT I-95 / HODGES CHAPEL ROAD INTERCHANGE (EXIT-77) HARNETT COUNTY			
Drawn By:	SKS	Approved By:	RGH
Dwg No.:			



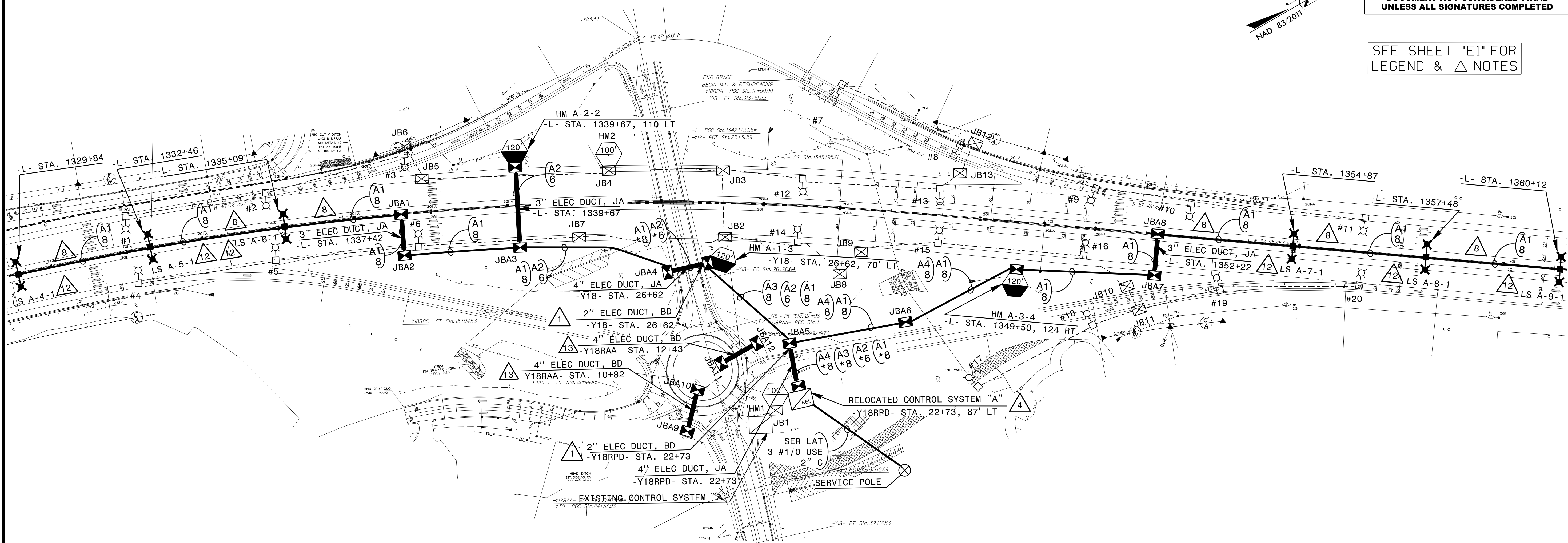
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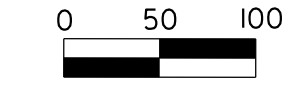
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USE FOR LIGHTING CONSTRUCTION ONLY △10



LOAD SCHEDULE I-95 / E MAIN ST INTERCHANGE						
1Ø, 3W, 240/480 VAC			CONTROL SYSTEM "A"			
EXISTING			PROPOSED			
CIRCUIT ID	SINGLE ARM 1 @ 285W LED	100' HIGH MAST W/ 4 560W MAX. LED LUMINAIRES	TWIN ARM 2 @ 285W LED	120' HIGH MAST W/ 8 560W MAX. LED LUMINAIRES	AMPS @ 480V	KW LOAD
A1	14, 15, 16, 17, 18, 19, 20		A-4, A-5, A-6, A-7, A-8, A-9		7.2	3.4
A2	4, 5, 6	HM1		A-2	9.3	4.5
A3	1, 2, 3	HM2		A-1	9.3	4.5
A4	7, 8, 9, 10, 11, 12, 13			A-3	9.3	4.5
TOTAL	20	2	6	3	35.1	16.9



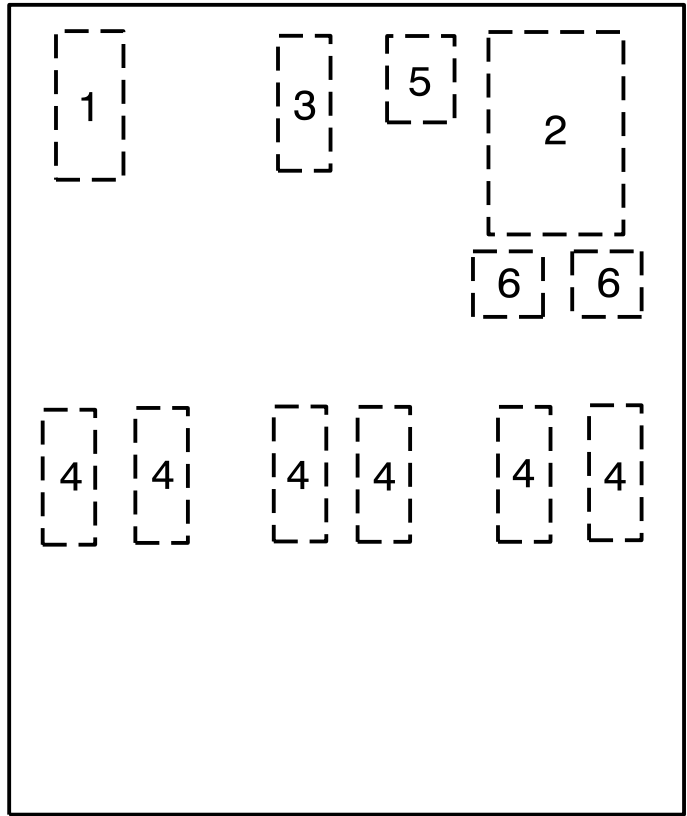
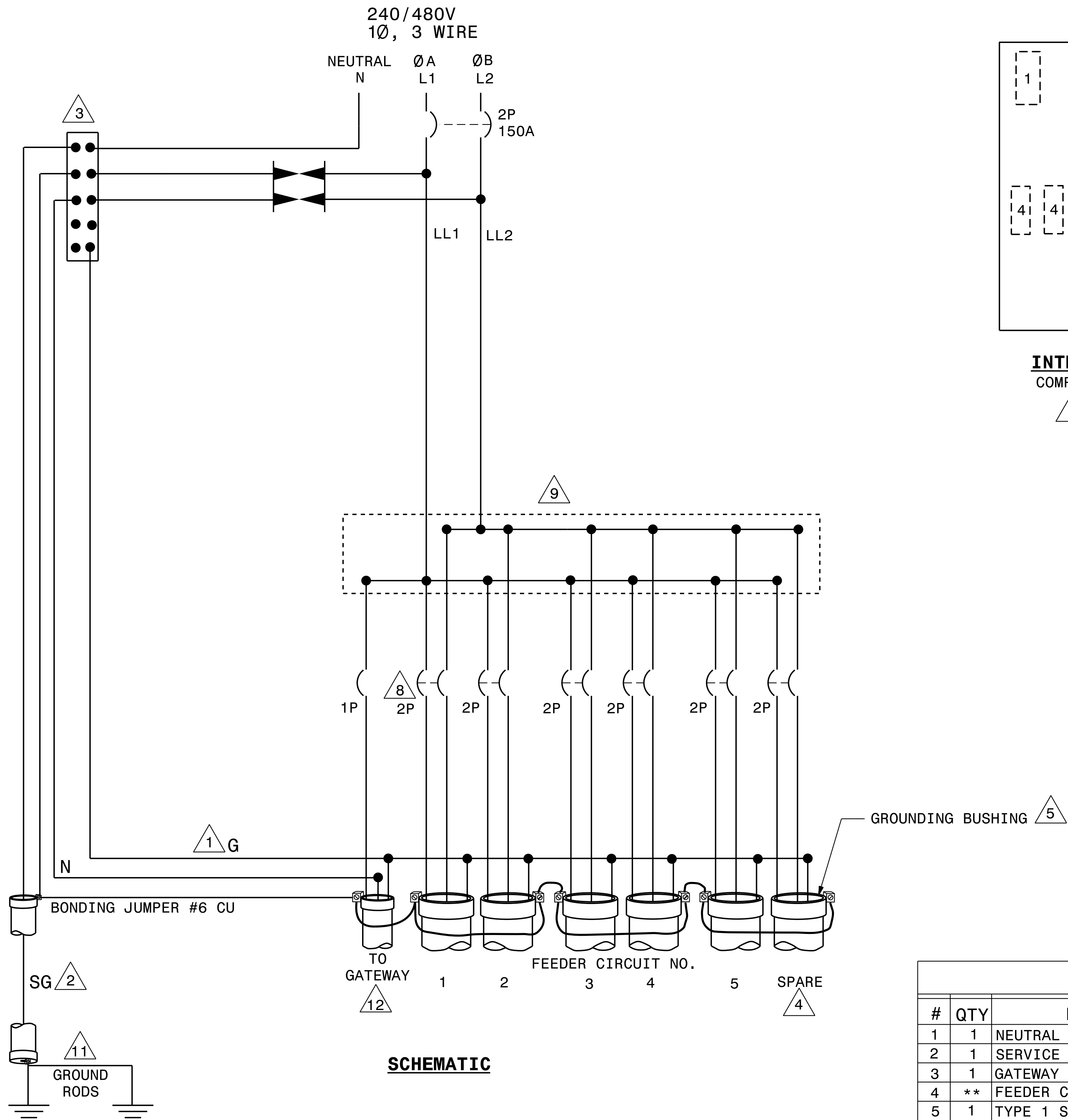
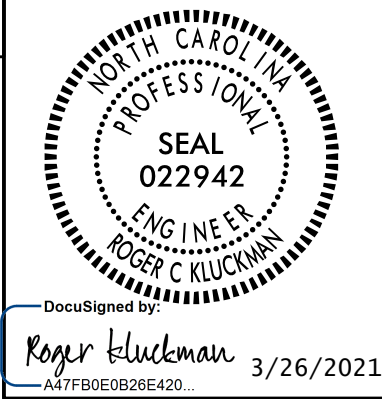
△10 NOTES

1. REMOVE AND DISPOSE OF ALL LIGHT STANDARDS: SINGLE ARMS (#1 TO #20) HIGH MASTS (1 & #2)
2. REMOVE AND RE-USE EXISTING LUMINAIRES INCLUDING NODES.
3. RELOCATE EXISTING CONTROL SYSTEM "A"
4. ABANDON UNDERGROUND SYSTEMS: (LEGEND -----).
5. REMOVE AND DISPOSE OF ALL EXISTING JUNCTION BOXES

2			
1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION			
LIGHTING LAYOUT I-95 / EAST MAIN STREET INTERCHANGE (EXIT-79) JOHNSTON COUNTY			
Drawn By:	SKS	Approved By:	RGH
		Dwg No.:	

USE FOR LIGHTING CONSTRUCTION ONLY

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



INTERIOR PANEL
COMPONENT LAYOUT

6 7 10

- NOTES**
- EQUIPMENT GROUNDS (G) SHALL BE SIZED ACCORDING TO CIRCUIT DESCRIPTION. SEE PLANS.
 - SYSTEM GROUND (SG) SHALL BE CONTINUOUS FROM THE NEUTRAL BAR TO THE GROUNDING ELECTRODE (GROUND ROD).
 - THE NEUTRAL BAR SHALL BE BONDED TO THE PANEL.
 - INSTALL 6 FEEDER CIRCUIT CONDUITS AS SHOWN. UNUSED CONDUIT SHALL BE CAPPED IN THE CONTROL SYSTEM JUNCTION BOX.
 - INSTALL A GROUNDING BUSHING ON EACH METAL CONDUIT. CONNECT BONDING JUMPER AS REQUIRED BY NEC.
 - SEE STANDARD DRAWING 1408.01 SHEET 3 OF 3 FOR ENCLOSURE.
 - THE CONTROL SYSTEM MUST BE LABELED "SUITABLE FOR USE AS SERVICE EQUIPMENT." REFER TO STANDARD SPECIFICATION 1408-2 FOR OTHER REQUIREMENTS.
 - SEE PLANS FOR LIGHTING CIRCUIT BREAKER SIZES.
 - PROVIDE MULTI-TAP LOAD LUGS OR POWER DISTRIBUTION BLOCKS.
 - PROVIDE MANUFACTURER SUPPLIED MOUNTING BRACKETS OR SCREW STUDS PERMANENTLY ATTACHED TO THE BACK PANEL, FOR MOUNTING COMPONENTS.
 - PROVIDE AND INSTALL A CONDUIT CHOKE ON THE UNDERGROUND END OF THE 3/4" RGS SYSTEM GROUND CONDUIT.
 - INSTALL #12 THWN CONDUCTOR FROM ENCLOSURE TO GATEWAY.

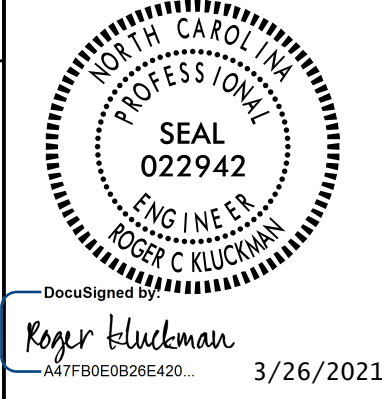
COMPONENT LIST

#	QTY	DESCRIPTION	SPECIFICATIONS
1	1	NEUTRAL BAR	
2	1	SERVICE CIRCUIT BREAKER	2P, 480V, 150A
3	1	GATEWAY CIRCUIT BREAKER	1P, 240V, 15A
4	**	FEEDER CIRCUIT BREAKERS	2P, 480V, 50A MAX
5	1	TYPE 1 SURGE PROTECTION DEVICE	20,000A RATED
6	2	POWER DISTRIBUTION LUGS OR BLOCKS	
		MOUNTING BRACKETS OR SCREW STUDS	

**PROVIDE THE NUMBER OF BREAKERS SHOWN IN THE LOAD SCHEDULE ON THE PLANS. INCLUDE SPARE BREAKER AS WELL.

2			
1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION CONTROL SYSTEM DETAILS 1408D01, SHEET 1 CONTROL SYSTEM SCHEMATIC HARNETT & JOHNSTON COUNTIES			
Drawn By:	SKS	Approved By:	RGH
Dwg No.:			

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NOTES

- 1 CURRENT TRANSFORMER (CT) CABINET AND METER MAY BE MOUNTED ON SERVICE POLE OR BACK OF CONTROL ENCLOSURE.

2 SEE SECTION 1407 OF THE STANDARD SPECIFICATIONS FOR SERVICE POLE AND SERVICE LATERAL.

3 SEE PLANS FOR SIZE OF CONDUITS AND/OR ELECTRICAL DUCT.

4 STUB FEEDER CIRCUIT CONDUITS INTO JUNCTION BOX. CAP UNUSED CONDUITS. FEEDER CIRCUITS MUST BE MINIMUM 30" BELOW GRADE

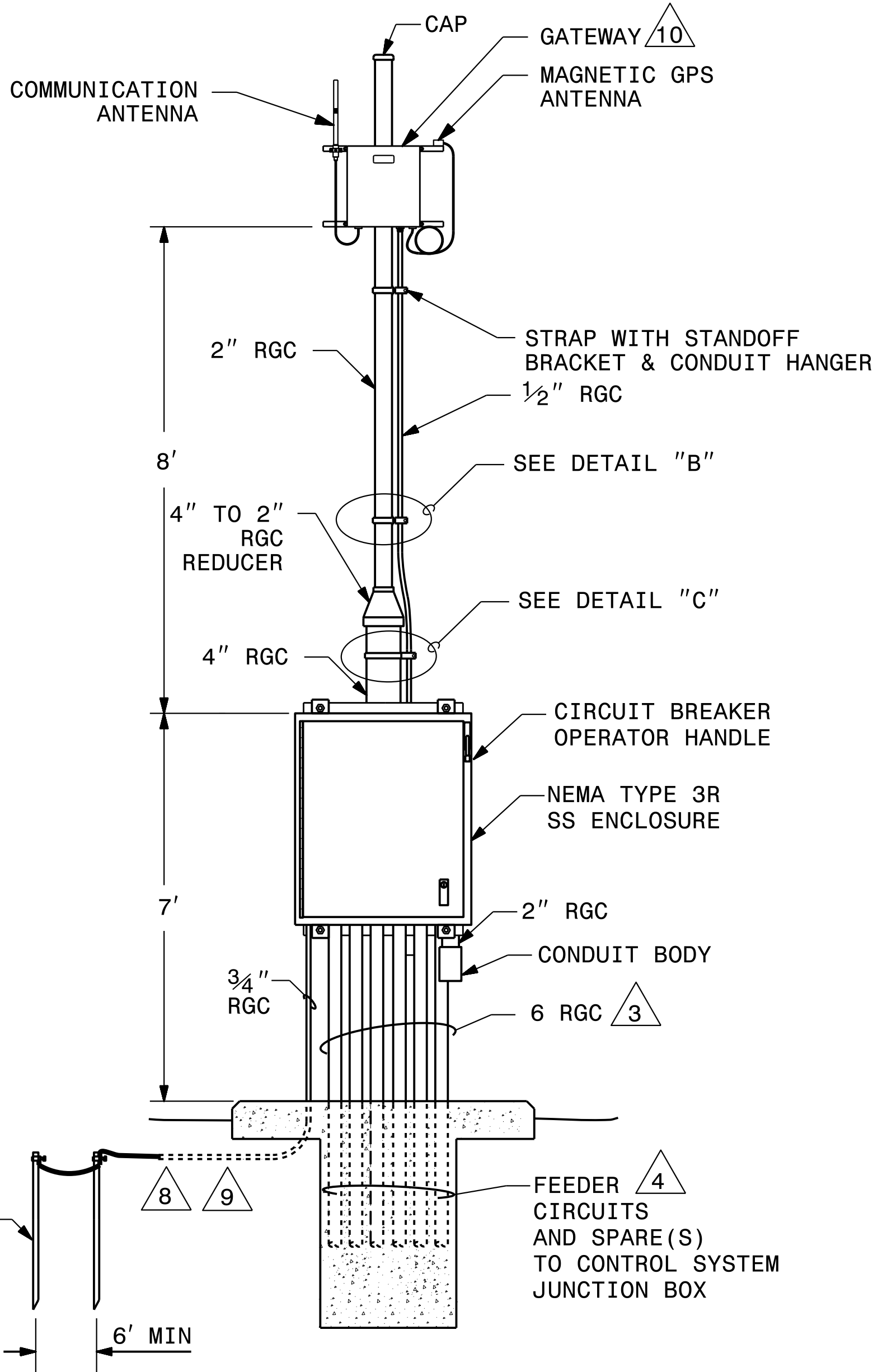
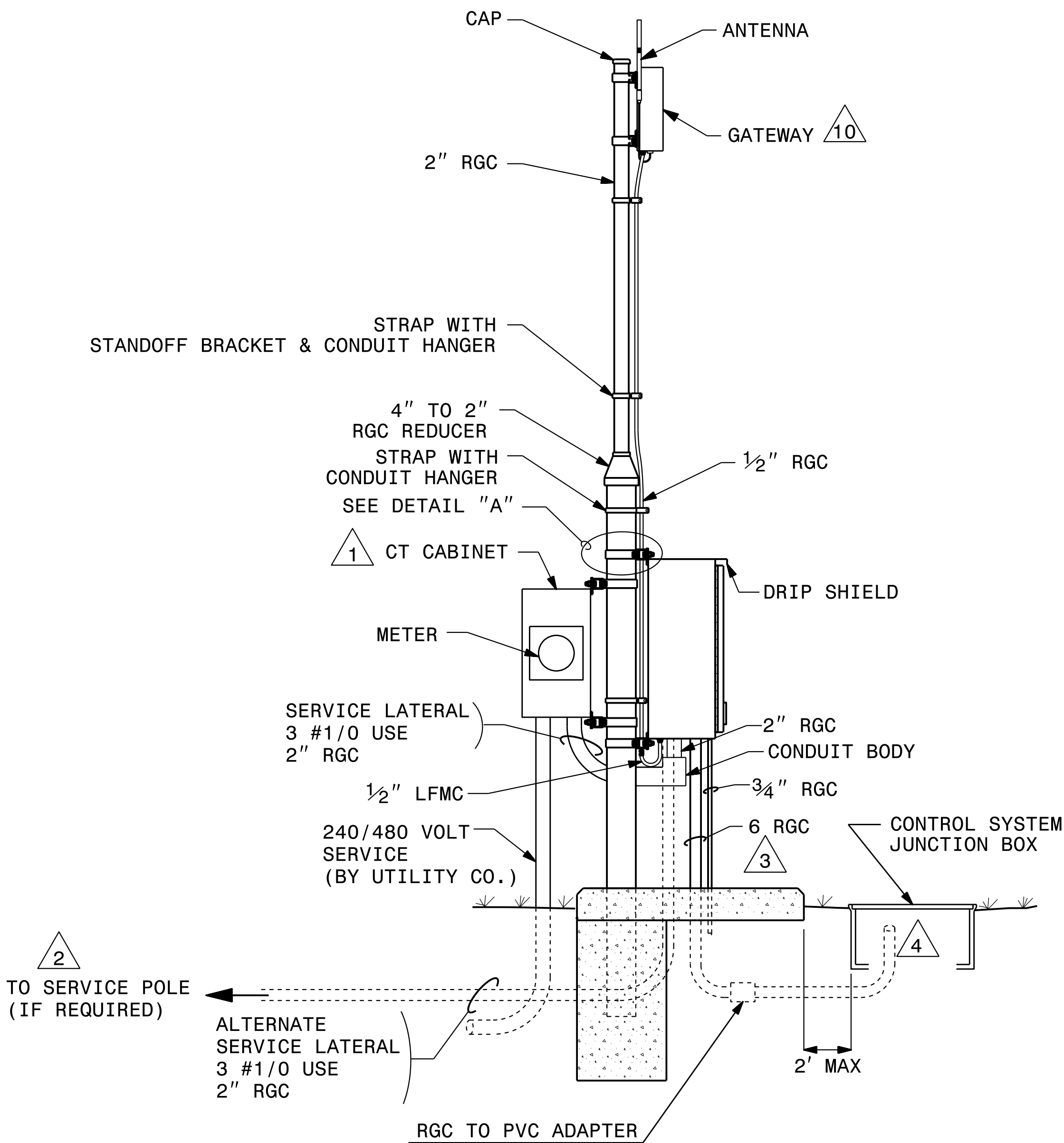
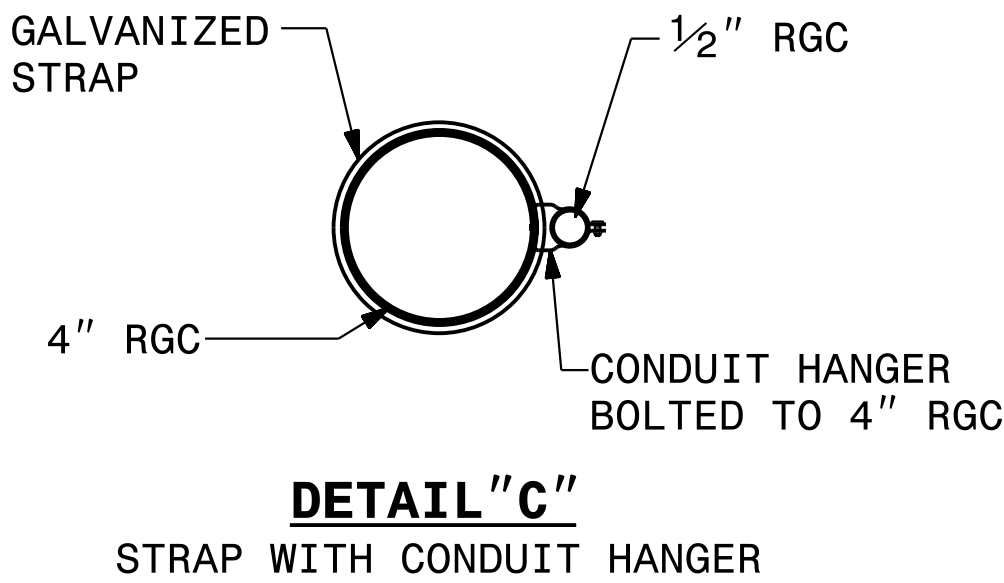
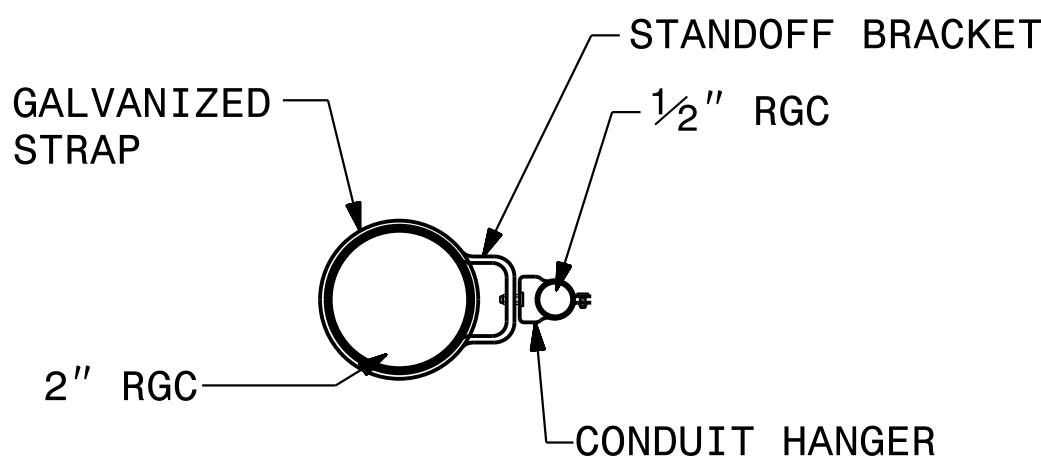
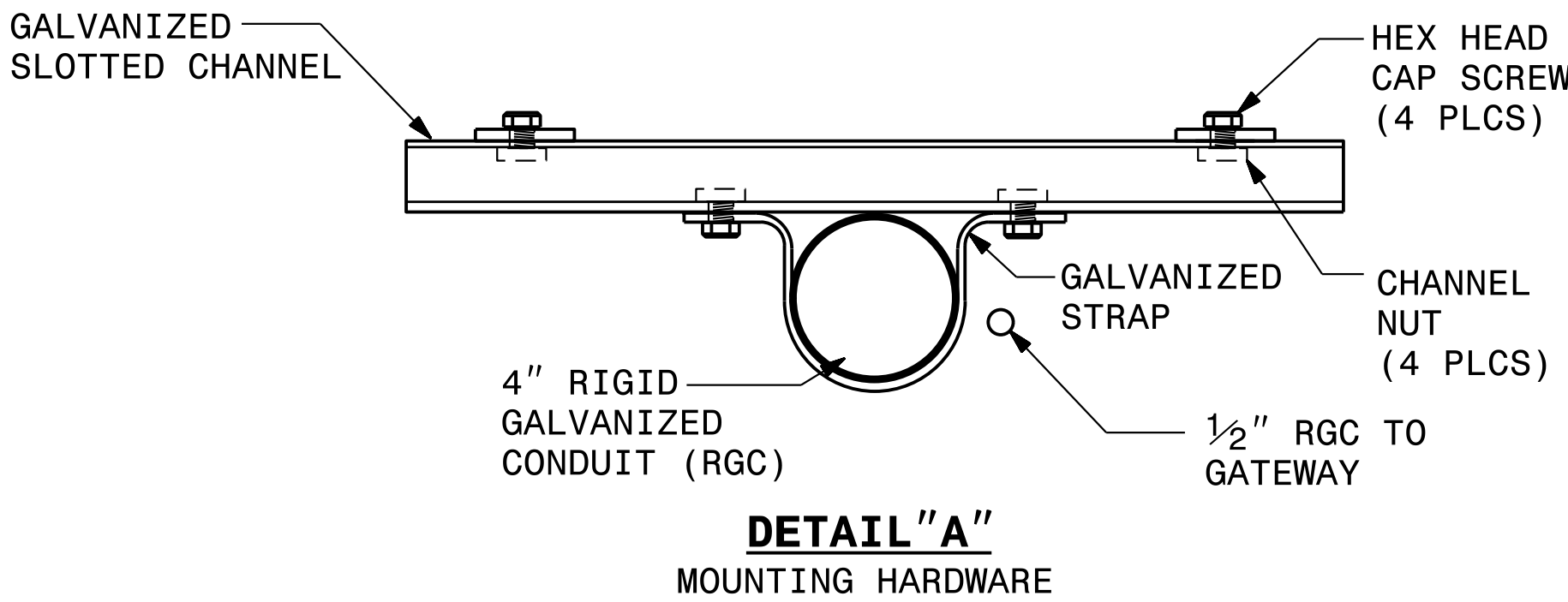
5 SEE SECTION 1411 OF THE STANDARD SPECIFICATIONS FOR JUNCTION BOX INSTALLATION.

6 ALL ABOVE GROUND CIRCUITRY TO BE INSTALLED IN RIGID GALVANIZED CONDUIT. UNDERGROUND FEEDER CIRCUITS TO BE INSTALLED IN SCH 40 PVC CONDUIT.
- 7 TOP OF GROUND ROD(S) SHALL BE NO MORE THAN FOUR INCHES BELOW GRADE TO ALLOW FOR EASE OF INSPECTION BY DEPARTMENT OF INSURANCE, OFFICE OF STATE FIRE MARSHAL PERSONNEL.

8 INSTALL A CONDUIT GROUND CHOKE AND BOND THE EQUIPMENT GROUNDING CONDUCTOR TO THE END OF THE 3/4" CONDUIT UNDERGROUND PER NEC ARTICLE 250.64E.

9 GROUNDING ELECTRODE CONDUCTOR 3/4" CONDUIT SHALL NOT TERMINATE BELOW THE CONCRETE FOUNDATION PAD.

10 STRAP GATEWAY TO 2" RGC USING STEEL BANDS PREINSTALLED ON GATEWAY ENCLOSURE.

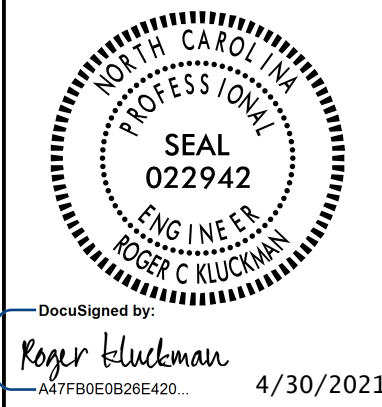


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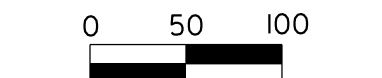
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Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION CONTROL SYSTEM DETAILS 1408D01, SHEET 2 CONTROL SYSTEM ASSEMBLY HARNETT & JOHNSTON COUNTIES			
Drawn By:	SKS	Approved By:	RGH
Dwg No.:			

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PROJECT REFERENCE NO.	SHEET NO.
1-5878	E10



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SEE SHEET "E1" FOR
LEGEND & △ NOTES

2			
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Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION			
CONDUIT LAYOUT			
US 421 FROM WEST OF I-95 TO PROJECT LIMITS			
HARNETT COUNTY			
Drawn By:	RGH	Approved By:	Dwg No.:

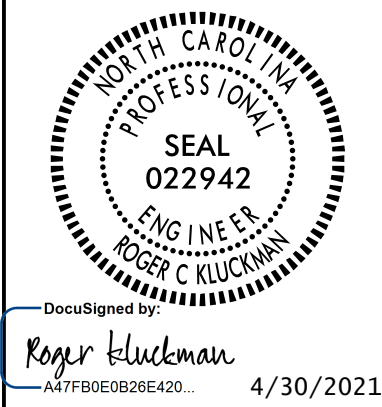
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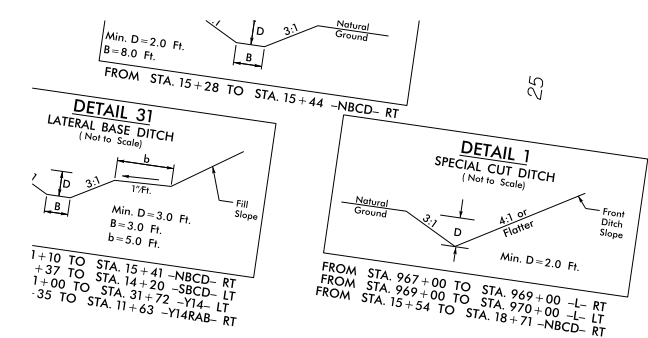
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PROJECT REFERENCE NO.
1-5878

SHEET NO.
E11



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0 50 100

NAD 83/2011

14 16 2" ELEC DUCT, BD

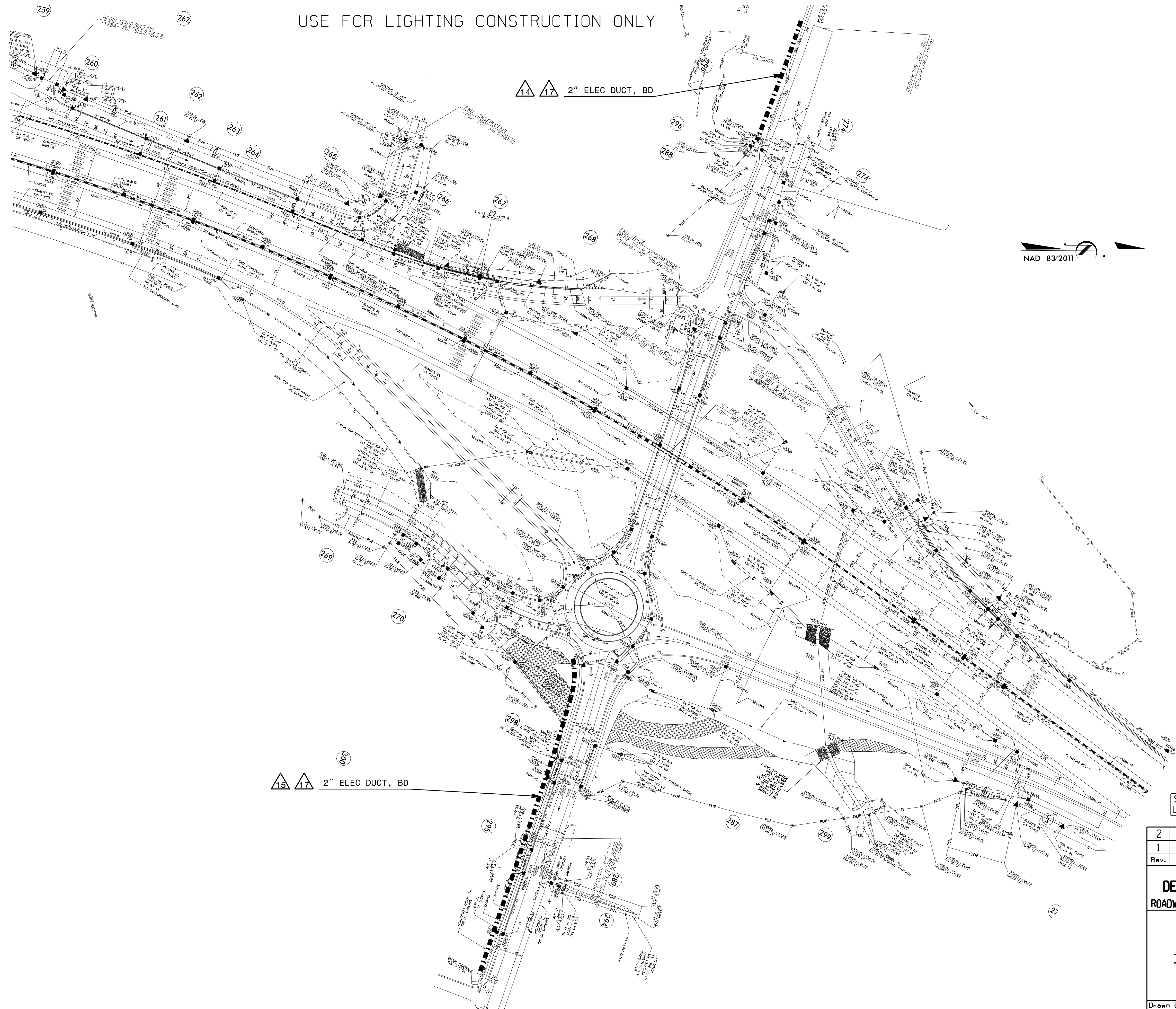
2" ELEC DUCT, BD 14 16

SEE SHEET "E1" FOR
LEGEND & △ NOTES



Rev.	Date	Description	Approved
2			
1			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION			
CONDUIT LAYOUT			
US 421 FROM EAST OF I-95 TO PROJECT LIMITS			
HARNETT COUNTY			
Drawn By:	RGH	Approved By:	Dwg No.:

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rghe11 AT RD-303048



PROJECT REFERENCE NO.
I-5986B

SHEET NO.
E12

NORTH CAROLINA
PROFESSIONAL
SEAL
022942
ENGINEER
ROGER C. KLUCKMAN

DocuSigned by
Roger Kluckman
4/30/2021

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2			
1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION			
CONDUIT LAYOUT			
I-95/NC 50 INTERCHANGE			
JOHNSTON COUNTY			
Drawn By:	RGH	Approved By:	Dwg No.:

