	NOTES	SCOPE 0
$\frac{1}{2}$	INSTALL ALL BORE PITS OUTSIDE THE CLEAR ZONE, AS DEFINED BY THE 2011 AASHTO ROADSIDE DESIGN GUIDE OR AS DIRECTED BY THE ENGINEER. LOCATE ALL JUNCTION BOXES OUTSIDE CLEAR ZONE AND IN AN AREA UNLIKELY TO BE USED BY TRAFFIC.	REMOVE EXI WITH CONST STANDARDS UNDERGROUN
	INSTALL RIGID GALVANIZED CONDUIT (RGC) ABOVE GROUND, AND POLYVINYL CHLORIDE (PVC) SCHEDULE 40 CONDUIT UNDERGROUND, EXCEPT AS MODIFIED ON THESE PLANSHEETS OR IN APPLICABLE SECTIONS OF THE ROADWAY STANDARD DRAWINGS FOR THIS PROJECT.	DESIGN (
4	POLE NUMBERING CONVENTION: CONTROL SYSTEM-POLE #-CKT # (A-3-2). JUNCTION BOXES SHOWN NEAR LIGHT STANDARDS (LSJB & HMJB) ARE SHOWN FOR CLARITY. THESE JUNCTION BOXES ARE TO BE USED AS A TEE POINT FOR CIRCUITRY TO THE STANDARD, AND SHALL BE INSTALLED FOR BEST ALIGNMENT OF CIRCUITRY WHILE MAINTAINING THE OFFSETS SHOWN IN TABLE "C". SEE STANDARD DRAWINGS 1401.01 AND 1406.01 FOR INSTALLATION DETAILS. ALL IN GROUND JUNCTION BOXES SHALL BE 18" HIGH AND ALL BARRIER RAIL AND SIDEWALK JUNCTION BOXES SHALL BE 6" HIGH,	0.8 AVERAG 4:1 AVERAG 2018 AASHT 2013 AASHT FOR HIGHWA AND LATEST (HANDHOLE REQUIREMEN FATIGUE CA
	UNLESS OTHERWISE NOTED. CONTRACTOR SHALL RECORD THE GPS COORDINATES OF EACH JUNCTION BOX WITHIN 3' ACCURACY, IN THE JUNCTION BOX SUMMARY, TABLE C. PROVIDE A COPY OF THE JUNCTION BOX SUMMARY WITH THESE COORDINATE TO THE LIGHTING ENGINEER DURING PROJECT INSPECTION.	2017 NATIO 2011 AASHT
8	REMOVE EXISTING FEEDER CIRCUIT HERE.	

TABLE "A" CIRCUITRY CONDUCTOR CONDUIT TYPE & SIZE				
PLAN SYMBOL		DESCRIPTION	CONTRACT ITEM	
8	2 #8Ø 1 #10G 1.5″ P	2 AWG SIZE 8 CONDUCTOR (BK & RD) 1 AWG SIZE 10 GROUNDING CONDUCTOR 1.5" PVC CONDUIT	2 - 8 W/G FEEDER CIRCUIT IN 1.5" CONDUIT	
*8	2 #8Ø 1 #10G	2 AWG SIZE 8 CONDUCTOR (BK & RD) 1 AWG SIZE 10 GROUNDING CONDUCTOR	2 - 8 W/G FEEDER CIRCUIT	
6	2 #6Ø 1 #8G 1.5″P	2 AWG SIZE 6 CONDUCTOR (BK & RD) 1 AWG SIZE 8 GROUNDING CONDUCTOR 1.5" PVC CONDUIT	2 - 6 W/G FEEDER CIRCUIT IN 1.5" CONDUIT	
*6	2 #6Ø 1 #10G	2 AWG SIZE 6 CONDUCTOR (BK & RD) 1 AWG SIZE 8 GROUNDING CONDUCTOR	2 - 6 W/G FEEDER CIRCUIT	
4	2 #4Ø 1 #6G 1.5″ P	2 AWG SIZE 4 CONDUCTOR (BK & RD) 1 AWG SIZE 6 GROUNDING CONDUCTOR 1.5" PVC CONDUIT	2 - 4 W/G FEEDER CIRCUIT IN 1.5" CONDUIT	
*4	2 #4Ø 1 #6G	2 AWG SIZE 4 CONDUCTOR (BK & RD) 1 AWG SIZE 6 GROUNDING CONDUCTOR	2 - 4 W/G FEEDER CIRCUIT	
2	2 #2Ø 1 #4G 1.5″P	2 AWG SIZE 2 CONDUCTOR (BK & RD) 1 AWG SIZE 4 GROUNDING CONDUCTOR 1.5" PVC CONDUIT	2 - 2 W/G FEEDER CIRCUIT IN 1.5" CONDUIT	
*2	2 #2 Ø 1 #4G	2 AWG SIZE 2 CONDUCTOR (BK & RD) 1 AWG SIZE 4 GROUNDING CONDUCTOR	2 - 2 W/G FEEDER CIRCUIT	

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## PLANS AND DETAILS FOR PROPOSED LIGHTING /ELECTRICAL CONSTRUCTION

## OF WORK

EXISTING TWIN ARM LIGHT STANDARDS IN CONFLICT NSTRUCTION. REPLACE WITH NEW TWIN ARM LIGHT OS WITH LIGHT EMITTING DIODE LUMINAIRES, DUND CIRCUITRY, AND JUNCTION BOXES.

## CRITERIA

AGE FOOTCANDLE ON TRAVEL LANES

AGE TO MINIMUM UNIFORMITY RATIO ON TRAVEL LANES

HTO ROADWAY LIGHTING DESIGN GUIDE

SHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS WAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 6TH EDITION ST INTERIM SPECIFICATIONS VALID AT THE TIME OF LETTING E SHAFT DIAMETER REQUIREMENT AND HANDHOLE PLACEMENT HENT WAIVED)

CATEGORY II SHALL BE USED IN DESIGN

IONAL ELECTRICAL CODE

HTO ROADSIDE DESIGN GUIDE

## ROADWAY STANDARDS

THE FOLLOWING ROADWAY ENGLISH STANDARDS AS APP "NCDOT ROADWAY STANDARD DRAWINGS", ROADWAY DES UNIT-N.C. DEPARTMENT OF TRANSPORTATION RALEIGH DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJ REFERENCE HEREBY ARE CONSIDERED A PART OF THES

STD NO.	TITLE
1405.01	STANDARD FOUNDATION
1409.01	ELECTRICAL DUCT

1409.01	ELECTRICAL DUCT
1410.01	FEEDER CIRCUITS
1411.01	ELECTRICAL JUNCTION BOXES

ALL WORK SHALL BE IN CONFORMANCE WITH DIVISIO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTU JANUARY 2018.

			PROJECT REFERENCE NO.	SHEET NO.		
			B-5898	E-1		
			ONSIDERED FINAL TURES COMPLETED	SEAL 022942		
				Docusigned by:		
		LEG	GEND	Кодет Евисктаваес 13, 2021 астинаваес 13, 2021		
PEAR IN SIGN H, N.C., JECT AND BY	¤-o-¤	EXISTING TWIN A BE RELOCATED.	ARM LIGHT STANDARD T	0		
SE PLANS:	×=×	RELOCATED TWIN ARM LIGHT STANDARD. INCLUDES STANDARD FOUNDATION TYPE R1 OR R2.				
		EXISTING ELECTRICAL JUNCTION BOX. LEAVE IN PLACE.				
			RICAL JUNCTION BOX. DETAILS AND TYPE.	SEE TABLE C,		
DN 14 OF THE JRES, DATED		REFERENCE TO CORRESPONDING NOTE AS NUMBERED.				
		EXISTING FEEDER CIRCUIT.				
	(A1 8	PROPOSED FEEDER CIRCUIT. CONTROL SYSTEM (A), CIRCUIT NUMBER (1) PLAN SYMBOL (6). SEE TABLE A, THIS SHEET.				
	100'	EXISTING 100 F	OOT HIGH MAST POLE.			
		EXISTING CONTRO	OL PANEL.			

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BD	BURIED	PVC	PVC SCHEDULE 40 CONDUIT
LT	LIGHT	RGC	RIGID GALVANIZED STEEL CONDUIT
JA	JACKED	С	CONDUIT
MH	MOUNTING HEIGHT	СКТ	CIRCUIT
Ø	PHASE	Ν	NEUTRAL
SER LAT	SERVICE LATERAL	G	GROUND
IGJB	IN GROUND JUNCTION BOX	HM	HIGH MAST
LED	LIGHT EMITTING DIODE	LSJB	LIGHT STANDARD JUNCTION BOX
HMJB	HIGH MAST JUNCTION BOX	CSJB	CONTROL SYSTEM JUNCTION BOX
	COMPUTED BY: MSG	2	DATE:
	CHECKED BY: RGH		DATE:
	CHLCRED BI: KOH		