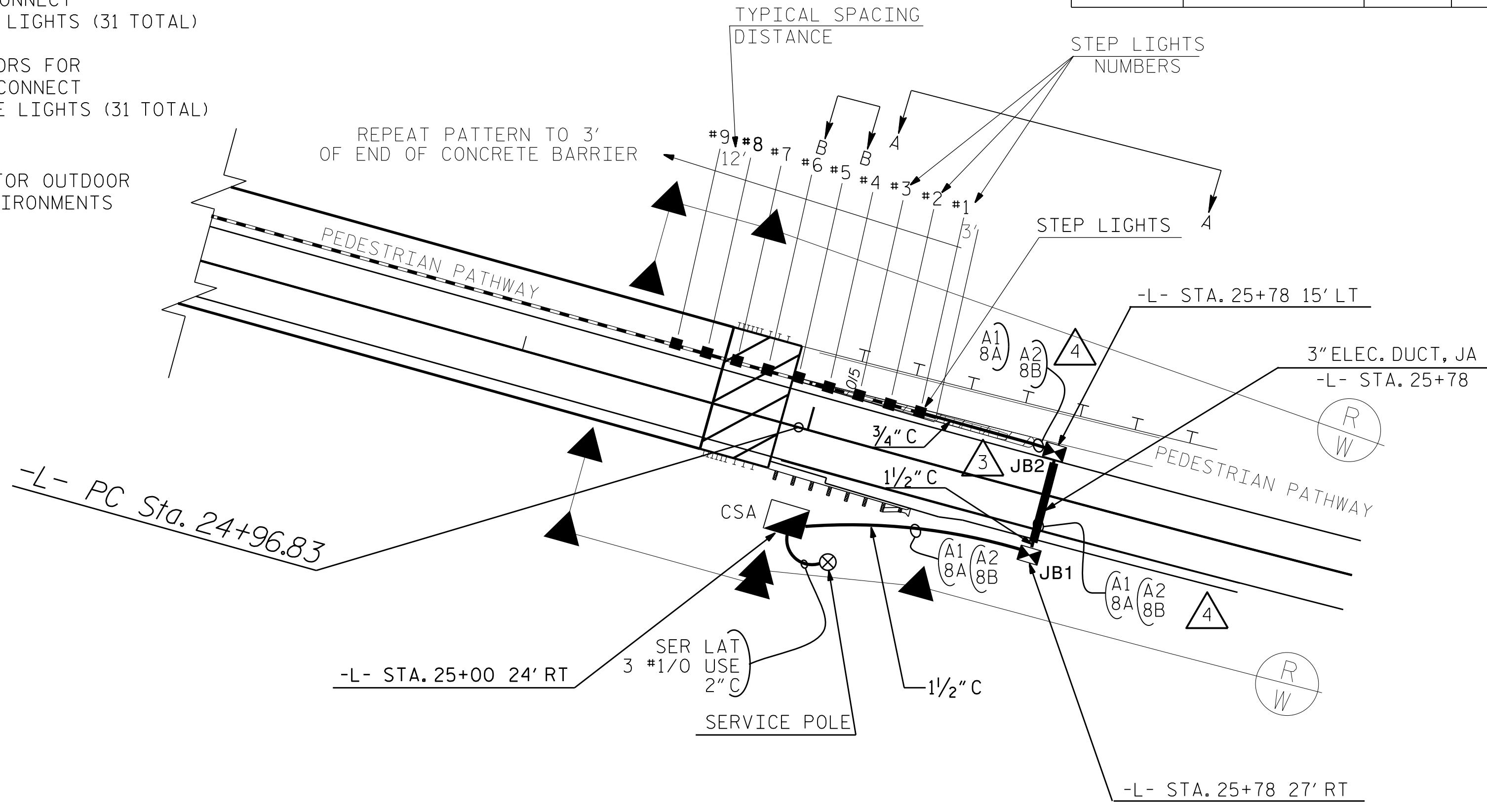


# USE FOR LIGHTING CONSTRUCTION ONLY

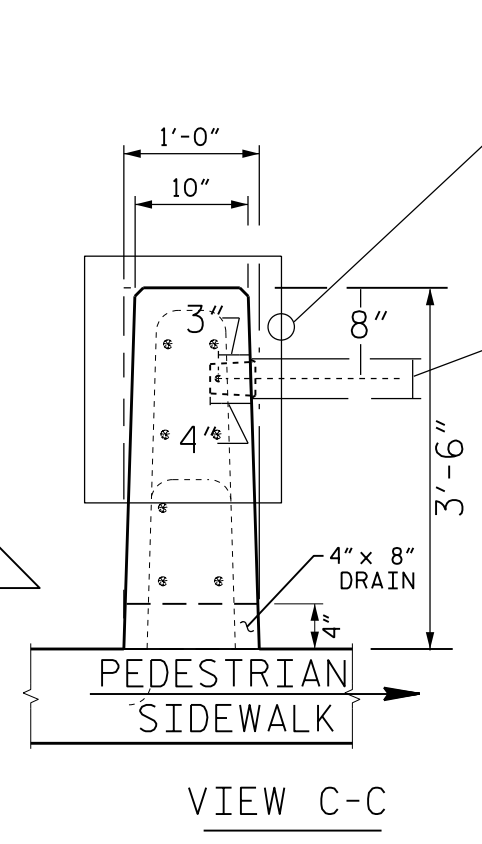
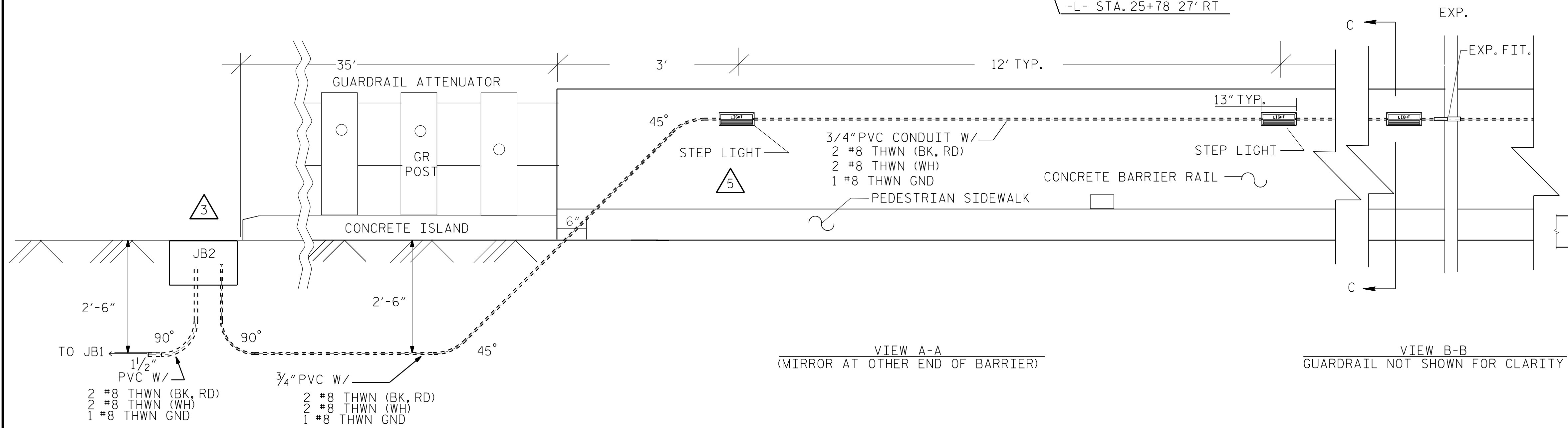
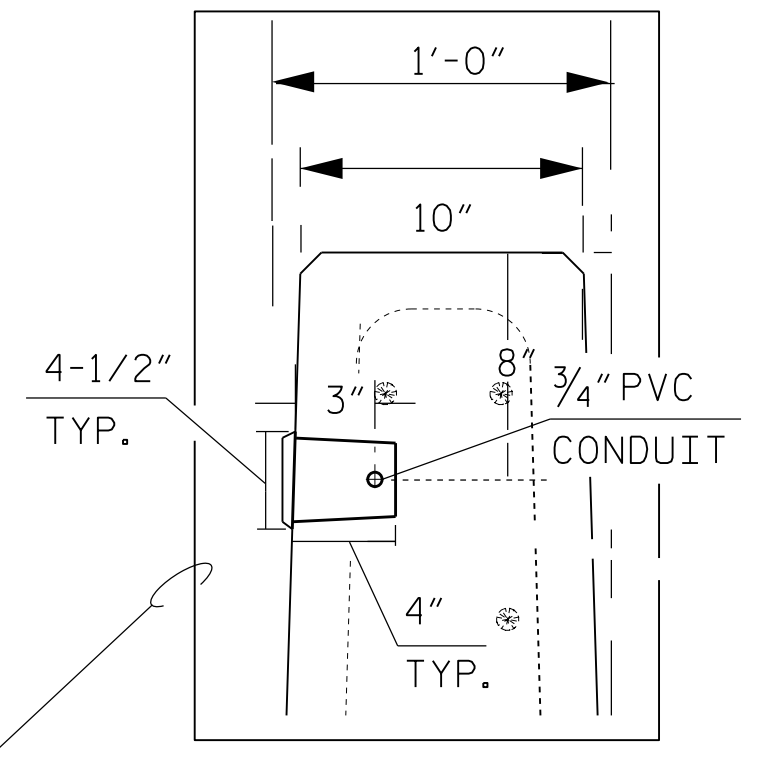
- 1 SEE SHEET E-3 FOR DETAIL. COORDINATE POWER SERVICE CONNECTION TO LIGHT CONTROL SYSTEM WITH LOCAL UTILITY COMPANY.
- 2 POSITION CONTROL SYSTEM "A" A MINIMUM 5 FEET BEHIND GUARDRAIL.
- 3 POSITION JB2 OUTSIDE THE CONCRETE ISLAND. ALLOW SUFFICIENT DISTANCE FOR CONDUIT SWEEPS TO THE STEP LIGHT LUMINAIRE IN CONCRETE BARRIER.
- 4 USE THE BLACK & WHITE CONDUCTORS FOR CIRCUIT A1. CIRCUIT A1 WILL CONNECT ODD NUMBERED STEP LUMINAIRE LIGHTS (31 TOTAL) (e.g. - 1,3,5,7,9,...TO 61). USE THE RED & WHITE CONDUCTORS FOR CIRCUIT A2. CIRCUIT A2 WILL CONNECT EVEN NUMBERED STEP LUMINAIRE LIGHTS (31 TOTAL) (e.g. - 2,4,6,8,10...TO 62).
- 5 STEP LIGHTS SHALL BE RATED FOR OUTDOOR INSTALLATIONS IN MARINE ENVIRONMENTS AND SHALL BE MINIMUM IP66.

1Ø, 3W, 120/240 VAC		CONTROL SYSTEM "A"		
CIRCUIT ID	STEP LIGHTS 8 W LED	AMPS @ 120V	KW LOAD	BREAKER SIZE (AMPS)
A1	ALL ODD NUMBERED LUMINAIRES	1.8	.22	15
A2	ALL EVEN NUMBERED LUMINAIRES	1.8	.22	15
TOTAL	62	3.6	.44	

UNIT	ITEM	QTY
EA	12"x11"x18" JUNCTION BOX	1
FT	2 - 8 AWG THWN CONDUCTOR (BK RD) 1 - 8 AWG THWN GROUND CONDUCTOR (GR)	1100
FT	1 - 8 AWG THWN CONDUCTOR (N)	2200
FT	3/4" PVC CONDUIT	820
EA	3/4" PVC 90° BELL ELBOW	1
EA	3/4" PVC 45° BELL ELBOW	2
EA	3/4" PVC EXPANSION FITTINGS	5
FT	1 1/2" PVC CONDUIT	170
EA	1 1/2" PVC 90° BELL ELBOW	3
FT	3" PVC CONDUIT - SLEEVE	48

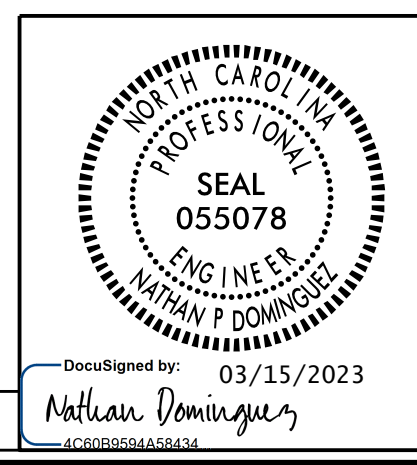


NOT TO SCALE



PROJECT NO. BR-0160  
BRUNSWICK COUNTY  
STATION: -L- 18+64.31

SHEET 1 OF 2  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
PATH LIGHTING ON  
NC179 BRIDGE  
OVER THE CALABASH RIVER



DRAWN BY: AB DATE: 03/13/23  
CHECKED BY: RGH DATE: 03/13/23

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		