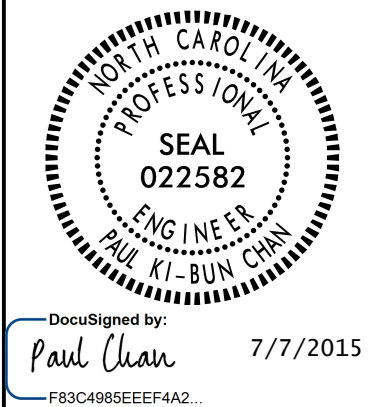


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PLANS AND DETAILS FOR PROPOSED LIGHTING /ELECTRICAL CONSTRUCTION

NOTES

1. INSTALL PULL LINE ACCORDING TO SECTION 1400-2(I) OF THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, JANUARY, 2012.
2. LOCATE ALL JUNCTION BOXES WITHIN RIGHT OF WAY OR PERMANENT UTILITY EASEMENT.
3. JUNCTION BOXES SHALL BE TYPE PC18 JUNCTION BOXES AND ARE 18" L X 12" W X 18" H.
4. MAKE WATERTIGHT CONNECTION OF 2" PVC CONDUIT WITH EXISTING 1-1/2" PVC CONDUIT WITH A REDUCER. INSTALL NEW PULL LINE BETWEEN PROPOSED JUNCTION BOX AND EXISTING JUNCTION BOX

SCOPE OF WORK

PLACE ELECTRICAL 2" CONDUIT SYSTEM WITH PULL LINE FOR FUTURE ROADWAY LIGHTING SYSTEM BY PROVIDING ELECTRICAL DUCTS AND JUNCTION BOXES.

DESIGN CRITERIA

2014 NATIONAL ELECTRICAL CODE
2011 AASHTO ROADSIDE DESIGN GUIDE

ROADWAY STANDARDS

THE FOLLOWING ROADWAY ENGLISH STANDARDS AS APPEAR IN "NCDOT ROADWAY STANDARD DRAWINGS", ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD NO.	TITLE
1409.01	ELECTRICAL DUCT
1411.01	ELECTRICAL JUNCTION BOXES

ALL WORK SHALL BE IN CONFORMANCE WITH DIVISION 14 OF THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, DATED JANUARY 2012.

LEGEND

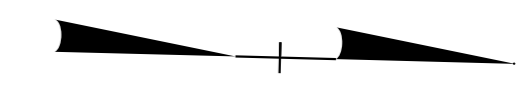
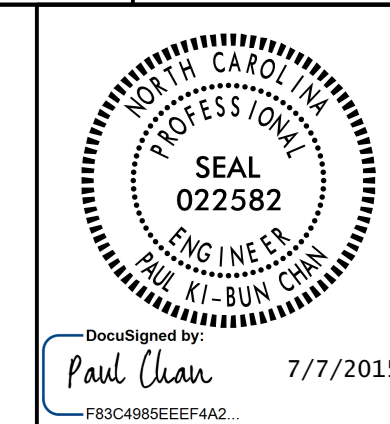
- JB1 PROPOSED ELECTRICAL JUNCTION BOX. SEE
- EXISTING ELECTRICAL JUNCTION BOX
- REFERENCE TO CORRESPONDING NOTE AS NUMBERED
- EXISTING 1-1/2" CAPPED PVC CONDUIT WITH PULL LINE
-
- PROPOSED ELECTRICAL DUCT SIZE 4" TYPE (BD)
LOCATION: SEE TABLE A, THIS SHEET

LOCATION	SHEET	BURIED (BD)	
		SIZE 2"	SIZE 4"
FROM JB1 TO JB3	E2	185	
BETWEEN JB1 AND JB3	E2		145
FROM JB2 TO JB4	E2	125	
FROM JB3 TO JB5	E2	105	
BETWEEN JB3 AND JB5	E2		50
FROM JB4 TO JB6	E2	115	
BETWEEN JB4 AND JB 6	E2		88
FROM JB5 TO JB7	E2	160	
FROM JB6 TO JB8	E2	160	
FROM JB7 TO STUB OUT 1	E2	28	
FROM JB8 TO STUB OUT 2	E2	28	
FROM STUB OUT 3 TO JB9	E2	28	
FROM STUB OUT 4 TO JB10	E2	28	
FROM JB9 TO JB11	E2	168	
FROM JB10 TO JB12	E2	160	
FROM JB11 TO JB13	E2	180	
BETWEEN JB11 AND JB13	E2		110
FROM JB12 TO JB14	E2	160	
BETWEEN JB12 TO JB14	E2		120
FROM JB13 TO JB15	E2	170	
FROM JB14 TO JB16	E2	150	
FROM JB15 TO JB17	E2	150	
FROM JB16 TO JB18	E2	235	
BETWEEN JB16 AND JB18	E2		65
TOTAL		2,335	578

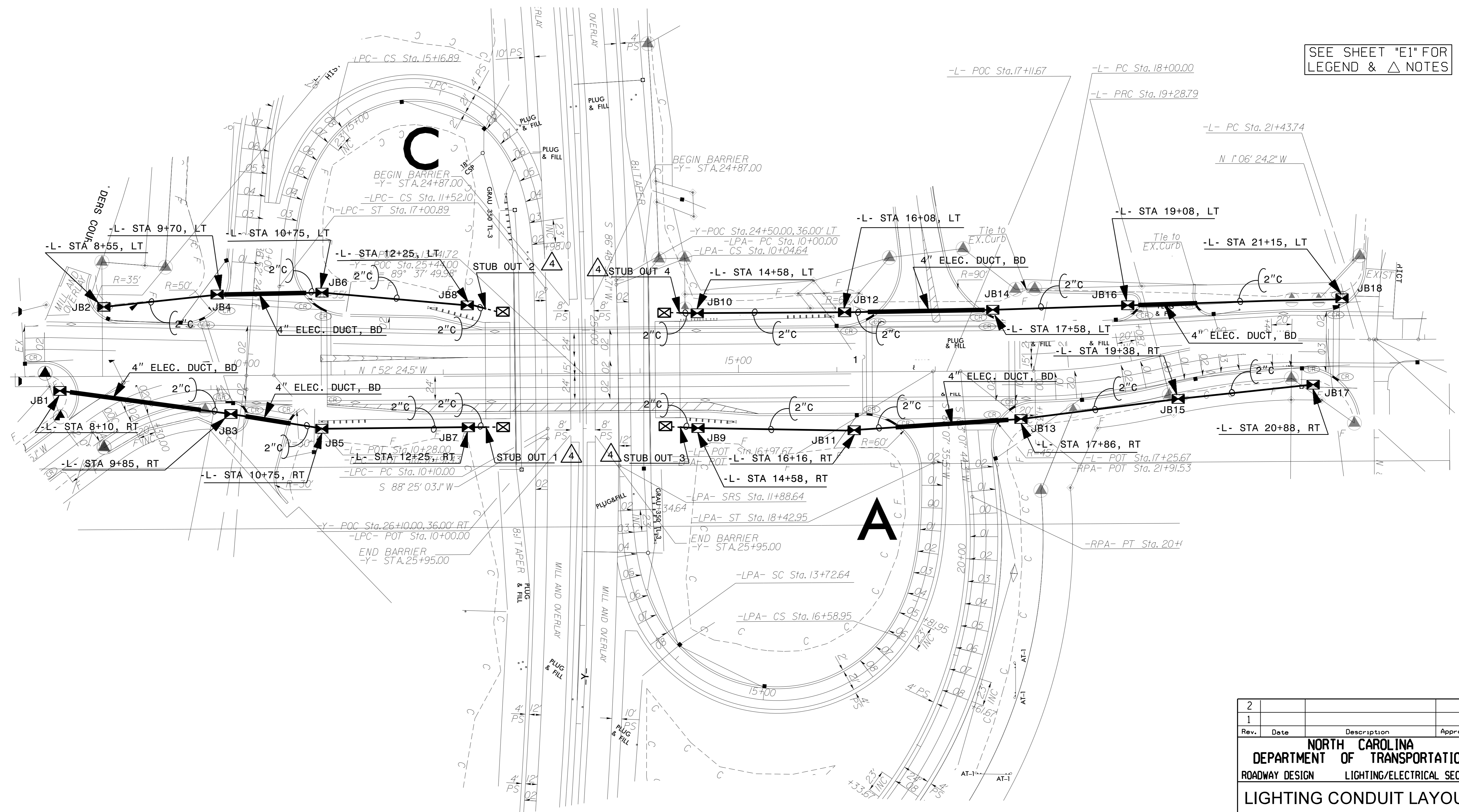
ABBREVIATIONS

BD	BURIED	PVC	PVC SCHEDULE 40 CONDUIT
LT	LIGHT	RGC	RIGID GALVANIZED STEEL CONDUIT
JA	JACKED	C	CONDUIT
MH	MOUNTING HEIGHT	CKT	CIRCUIT
∅	PHASE	N	NEUTRAL
SER LAT	SERVICE LATERAL	G	GROUND
		HM	HIGH MAST

COMPUTED BY: SKS DATE: 7/7/15
CHECKED BY: PKC DATE: _____



SEE SHEET "E1" FOR
LEGEND & △ NOTES



2			
1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION			
LIGHTING CONDUIT LAYOUT BRIDGE NO.27 OVER US 29-64-70/I-85 BUS. ON NC 8/US 52 BETWEEN SR 1844 AND SR 1408 DAVIDSON COUNTY			
Drawn By:	SKS	Approved By:	PKC
Dwg No.:			

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