| \bigtriangleup | NOTES | 3 | | | SCOPE C |
|--|--|--|--|--|---------------|
| $ \begin{array}{c} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 6 \\ 7 \\ 8 \\ 6 \\ 7 \\ 7 \\ 7 \\ 8 \\ 7 \\ 7 \\ 7 \\ 8 \\ 7 \\ 7$ | WITH N CIRCUI INSTAL THE 20 ENGINE LOCATE UNLIKE LOCATE FOR MA AS DEF INSTAL POLYVI EXCEPT SECTIO ALL JU CONTRA BOX WI PROVID COORDI ALL JU CONTRA BOX WI PROVID COORDI POLE N JUNCTI SHOWN TEE PO FOR BE SHOWN FOR IN FOR IN SHOWN SHOWN | IEC REQUI TS. SEE L ALL BO D11 AASHT ER. ALL JUN LY TO BE PROPOSE INTENANC INED BY L RIGID NYL CHLO AS MODI ONS OF TH INCTION B ACTOR SHA THIN 3' A DE A COPY NATES TO IUMBERING ON BOXES FOR CLAR INT FOR ST ALIGN IN TABLE STALLATION ST ALIGN IN TABLE STALLATION L JUNCTION ST ALIGN IN TABLE STALLATION L SEPERA 5' OF RO ABOVE GI T DEBRIS L CONDUIT ON CC. IN | IONS, PROVIDE ELECTRICAL DUCT IN ACCORDAN REMENTS FOR AN APPROVED RACEWAY FOR ELECT TABLE "C" RE PITS OUTSIDE THE CLEAR ZONE, AS DEFINE O ROADSIDE DESIGN GUIDE OR AS DIRECTED BY CTION BOXES OUTSIDE CLEAR ZONE AND IN AN USED BY TRAFFIC. D CONTROL SYSTEM IN AN AREA ACCESSIBLE E VEHICLES AND OUTSIDE OF CLEAR ZONE THE 2011 AASHTO ROADSIDE DESIGN GUIDE. GALVANIZED CONDUIT (RGC) ABOVE GROUND, AN RIDE (PVC) SCHEDULE 40 CONDUIT UNDERGROUN FIED ON THESE PLANSHEETS OR IN APPLICABLE E ROADWAY STANDARD DRAWINGS FOR THIS PROJ OXES SHALL BE 18" HIGH, UNLESS OTHERWISE LL RECORD THE GPS COORDINATES OF EACH JUN ACCURACY IN THE JUNCTION BOX SUMMARY, TAB OF THE JUNCTION BOX SUMMARY WITH THESE THE LIGHTING ENGINEER DURING PROJECT INS A CONVENTION: CONTROL SYSTEM-POLE #-CKT # SHOWN NEAR LIGHT STANDARDS (LSJB & HMJB) ITY. THESE JUNCTION BOXES ARE TO BE USED CIRCUITRY TO THE STANDARD, AND SHALL BE I MENT OF CIRCUITRY WHILE MAINTAINING THE O "C". SEE STANDARD DRAWINGS 1401.01 AND 1 ON DETAILS. ON BOX SO THAT THERE IS A 1" PER 1' FALL (POOLING AROUND THE JUNCTION BOX LID. TE CONDUIT FOR FUTURE ELECTRICAL USE BY D DADWAY LIGHTING CONDUIT. TURN UP CONDUITS. RADE. INSTALL PLUGS OR CAPS ON ALL CONDUIT AND VERMIN FROM ENTERING EMPTY CONDUITS. AND VERMIN FROM ENTERING EMPTY CONDUITS. | RICAL D BY THE AREA AREA DD, ECT. NOTED. ID, ECT. NOTED. ICTION LE C. SPECTION. (A-3-2). ARE AS A NSTALLED FFSETS 406.01 DFF, TO AVIDSON (AND LEAV T ENDS TO | CC 'E D |
| | | | TABLE "A" CIRCUITRY CONDUCTOR CONDUIT | TYPE & S | IZE |
| | PLAN SYMBOL | | DESCRIPTION | | CONTRACT ITE |
| | 8 | 2 #8 Ø 1 #10G | 1 AWG SIZE 10 GROUNDING CONDUCTÓR 2 - | 8 W/G F | EEDER CIRCUIT |
| | *8 | 1.5" P 2 #8Ø 1 #10G | 1.5" PVC CONDUIT 2 AWG SIZE 8 CONDUCTOR (BK & RD) 1 AWG SIZE 10 GROUNDING CONDUCTOR 2 - | · 8 W/G F | EEDER CIRCUIT |
| | 6 | 2 #6 Ø 1 #8G | 2 AWG SIZE 6 CONDUCTOR (BK & RD) 1 AWG SIZE 8 GROUNDING CONDUCTOR 2 - | - 6 W/G F | EEDER CIRCUIT |
| | *6 | 1.5" P 2 #6 Ø 1 #10G | 1.5" PVC CONDUIT 2 AWG SIZE 6 CONDUCTOR (BK & RD) 1 AWG SIZE 8 GROUNDING CONDUCTOR | - 6 W/G F | EEDER CIRCUIT |
| | 4 | 2 #4 Ø 1 #6G | 2 AWG SIZE 4 CONDUCTOR (BK & RD) | - 4 W/G F | EEDER CIRCUIT |
| | *4 | 1.5" P | 1.5" PVC CONDUIT 2 AWG SIZE 4 CONDUCTOR (BK & RD) 1 AWC SIZE 6 CROUNDING CONDUCTOR | - 4 W/G F | EEDER CIRCUIT |
| | 2 | 1 #6G 2 #2Ø 1 #4G 1.5″ P | | - 2 W/G F | EEDER CIRCUIT |
| | *2 | 1.5 P 2 #2 Ø 1 #4G | 1.5" PVC CONDUIT2 AWG SIZE 2 CONDUCTOR (BK & RD)1 AWG SIZE 4 GROUNDING CONDUCTOR | 2 W/G F | EEDER CIRCUIT |
| I | | | | | |

PLANS AND DETAILS FOR PROPOSED LIGHTING /ELECTRICAL CONSTRUCTION

OF WORK

OADWAY LIGHTING SYSTEM INTO SERVICE BY PROVIDING AND ING LIGHT STANDARDS WITH LIGHT EMITTING DIODE LUMINAIRES, OUND CIRCUITRY, CONTROL SYSTEM AND JUNCTION BOXES.

OVIDE SPARE CONDUITS AND JUNCTION BOXES FOR FUTURE USE BY IDSON COMMUNITY COLLEGE AND THE LOCAL UTILITY.

CRITERIA

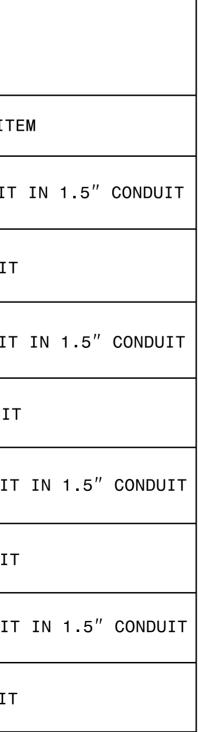
- RAGE FOOTCANDLE ON TRAVEL LANES
- RAGE TO MINIMUM UNIFORMITY RATIO ON TRAVEL LANES
- SHTO ROADWAY LIGHTING DESIGN GUIDE
- SHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS HWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 6TH EDITION EST INTERIM SPECIFICATIONS VALID AT THE TIME OF LETTING LE SHAFT DIAMETER REQUIREMENT AND HANDHOLE PLACEMENT MENT WAIVED)
- CATEGORY II SHALL BE USED IN DESIGN
- TIONAL ELECTRICAL CODE
- SHTO ROADSIDE DESIGN GUIDE

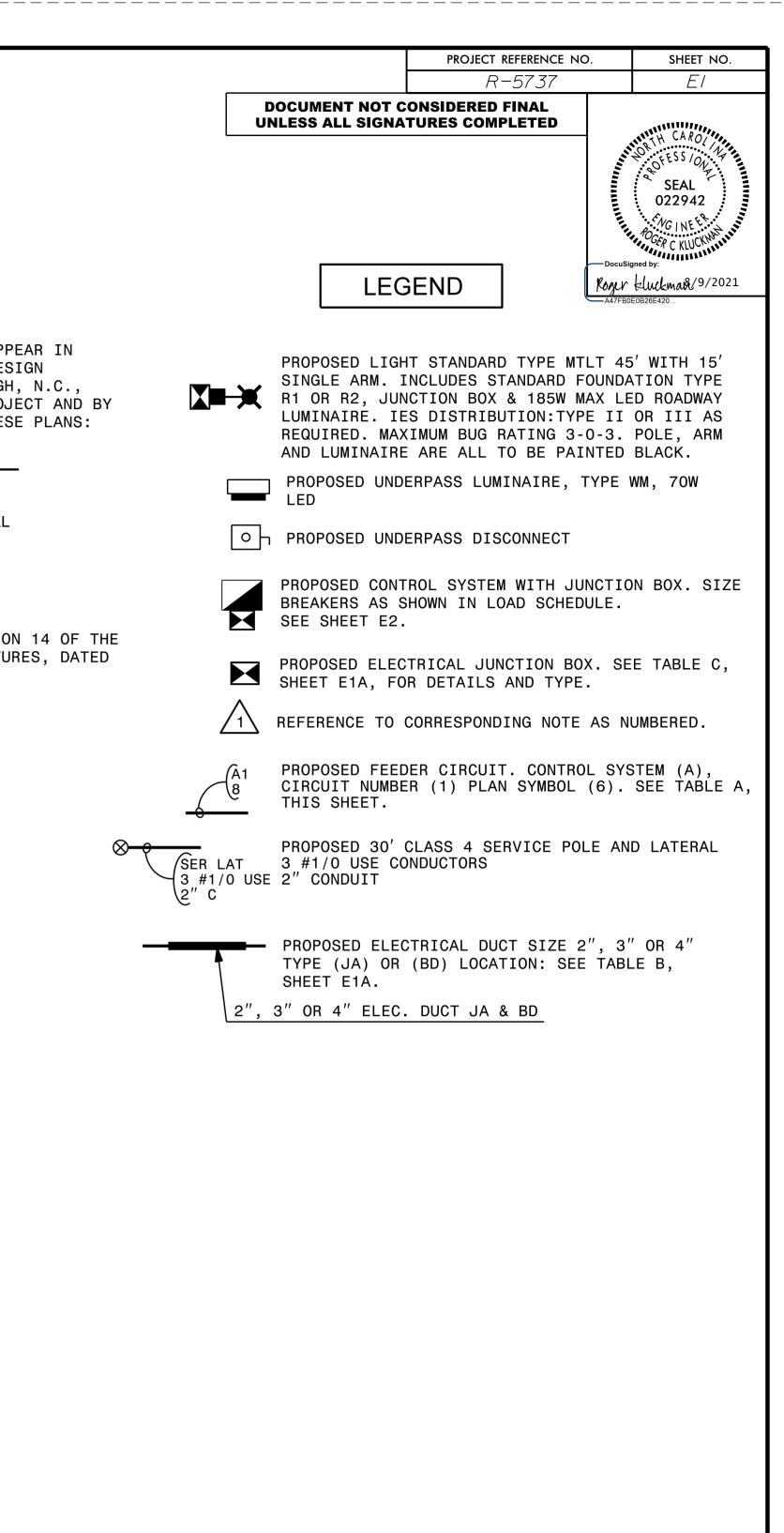
ROADWAY STANDARDS

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 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

| STD NO. | TITLE |
|---------|-----------------------------------|
| 1404.01 | LIGHT STANDARDS |
| 1405.01 | STANDARD FOUNDATION |
| 1407.01 | ELECTRIC SERVICE POLE AND LATERAL |
| 1408.01 | LIGHT CONTROL SYSTEM |
| 1409.01 | ELECTRICAL DUCT |
| 1410.01 | FEEDER CIRCUITS |
| 1411.01 | ELECTRICAL JUNCTION BOXES |
| 1412.01 | UNDERPASS LIGHTING |
| | |

ALL WORK SHALL BE IN CONFORMANCE WITH DIVISION 14 OF THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, DATED JANUARY 2018.





ABBREVIATIONS

| BD | BURI | ED | PVC | PVC SCHEDULE 40 CONDUIT |
|---------|------------------------|--------------------|------|--------------------------------|
| LT | LIGH | Т | RGC | RIGID GALVANIZED STEEL CONDUIT |
| JA | JACK | ED | С | CONDUIT |
| MH | MOUN | TING HEIGHT | СКТ | CIRCUIT |
| Ø | PHAS | E | Ν | NEUTRAL |
| SER LAT | SERV | ICE LATERAL | G | GROUND |
| IGJB | IN G | ROUND JUNCTION BOX | НМ | HIGH MAST |
| LED | LIGH | T EMITTING DIODE | LSJB | LIGHT STANDARD JUNCTION BOX |
| HMJB | HIGH MAST JUNCTION BOX | | CSJB | CONTROL SYSTEM JUNCTION BOX |
| | | COMPUTED BY: MSQ | | DATE: |
| | | | | |

DATE:

CHECKED BY: RGH