

## ANTIQUE LIGHT & ASSOC. ITEMS SPECS. (LED)

## 8.0 FUSE HOLDERS AND FUSES:

IN-LINE FUSE HOLDERS ELASTIMOLD OR BUCHANAN, STYLE D65 (DOUBLE FUSE) WITH BUSSMAN FNM-TYPE FUSES, OF THE APPROPRIATE AMPERAGE SHALL BE INSTALLED AT THE BASE OF EACH POLE INSIDE THE HAND HOLE. FUSING IN FIXTURE SHALL NOT BE ALLOWED.

## 9.0 CABLE CONNECTIONS AND SPLICES:

CABLE CONNECTIONS AND SPLICES SHALL BE MADE INSIDE THE POLE WITH SPLIT BOLT CONNECTORS AND INSULATED WITH #23 3M RUBBER TAPE, OR APPROVED EQUAL THEN WRAPPED WITH #88 3M VINYL TAPE, OR APPROVED EQUAL. NO SPLICES MAY BE MADE OUTSIDE THE POLE OTHER THAN INSIDE THE SERVICE/DISCONNECT OR CONTRACTOR ENCLOSURE.

## 10.0 GROUND RODS:

GROUND RODS SHALL BE INSTALLED IN EACH POLE FOUNDATION AND AT THE POINT OF SERVICE DISCONNECT. THE GROUND RODS SHALL BE MINIMUM 8 FT. X 5/8 IN. COPPER-CLAD. ALL GROUND RODS AT POLE FOUNDATIONS SHALL BE INSTALLED IN THE CONCRETE FOUNDATION AND AT AN ANGLE AS TO PENETRATE THE SOIL ON THE SIDE OF THE FOUNDATION. A MINIMUM OF 4 IN. AND A MAXIMUM OF 6 IN. OF GROUND ROD SHALL EXTEND ABOVE THE TOP OF THE CONCRETE FOUNDATION FINISHED GRADE. INSTALLATIONS OUTSIDE THE FOUNDATION ARE NOT ACCEPTABLE.

## 11.0 EQUIPMENT GROUNDING:

ALL POLES, GROUND RODS, ELECTRIC SERVICE AND ASSOCIATED EQUIPMENT SHALL BE BONDED BY MEANS OF A COPPER GROUNDING CONDUCTOR. GROUNDING OF POLES BY MEANS OF ANCHOR BOLTS SHALL NOT BE PERMITTED. POLE GROUNDING SHALL BE ACCOMPLISHED BY MEANS OF A GROUNDING LUG; SCREW ETC. ATTACHED TO THE POLE.

## 12.0 GROUND (JUNCTION) BOXES:

ELECTRICAL GROUND BOXES AND GROUND BOX COVERS CONSTRUCTED OF POLYMER CONCRETE. COVERS TO BE PERMANENTLY MARKED WITH "ELECTRICAL" LOGO.

RECOMMENDED GROUND BOXES ARE QUAZITE BRAND.

## REFERENCE TxDOT DMS-11070 GROUND BOXES FOR MATERIAL REQUIREMENTS

REFERENCE TXDOT ELECTRICAL DETAILS GROUND BOXES ED(4)-14 FOR INSTALLATION REQUIREMENTS

### 13.0 ELECTRICAL CONDUIT MINIMUM REQUIREMENTS:

SCHEDULE 40 GRAY ELECTRICAL PVC  
2 IN. MINIMUM FOR POLE TO POLE AND HOME RUNS  
SERVICE CONDUIT 2 IN. PVC 24 IN. RADIUS  
ALL STREETS AND DRIVEWAY CROSSING SHALL BE BORED AT 24 IN. DEPTH

SEE [T-2A](#) & [T-2B](#) FOR  
ADDITIONAL DETAILS



## ENGINEERING DIVISION

**DISCLAIMER:** THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

| REVISIONS |             |    |            |
|-----------|-------------|----|------------|
| NO.       | COMMENTS    | BY | DATE       |
|           |             |    |            |
|           |             |    |            |
|           |             |    |            |
| ##        | DESCRIPTION | FI | MM/DD/YYYY |

DATE  
01/01/2024

T-2C