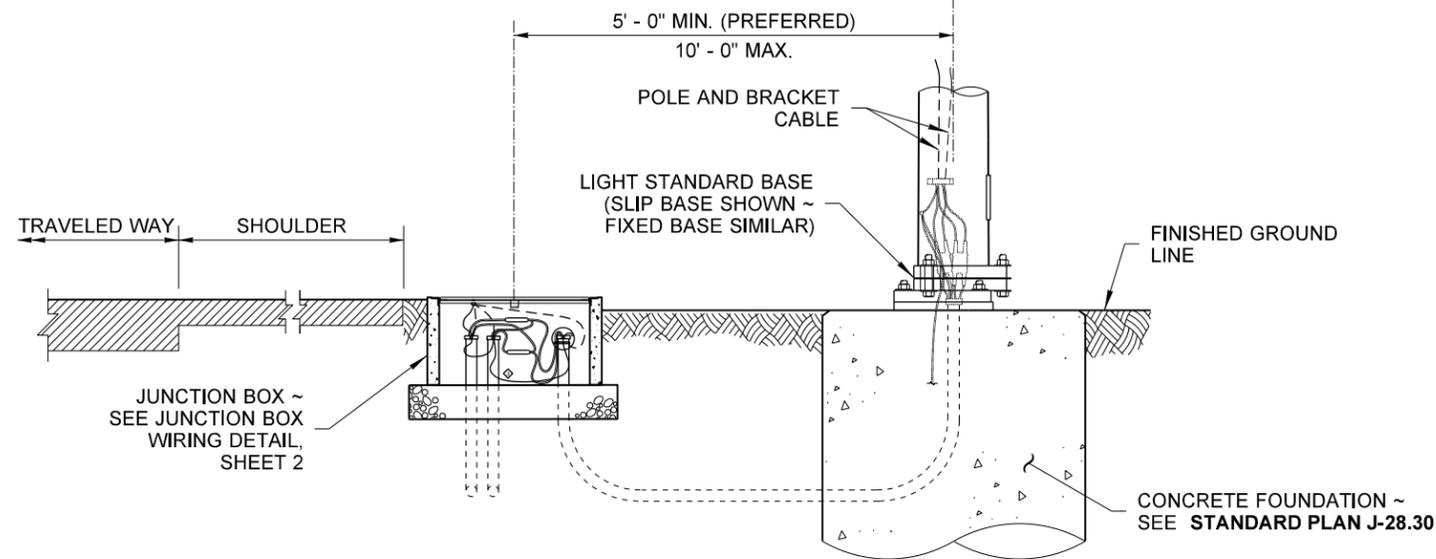
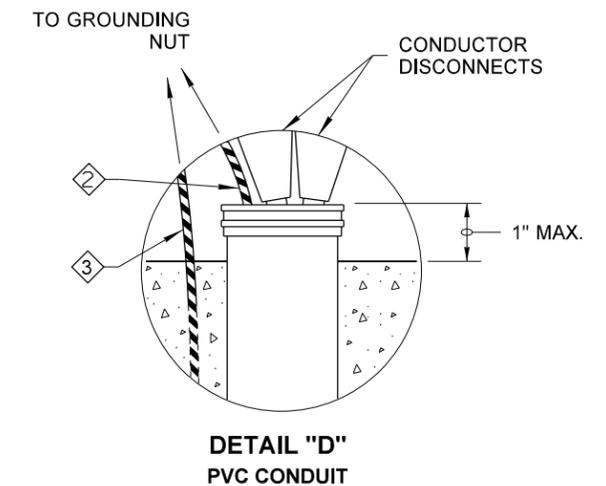
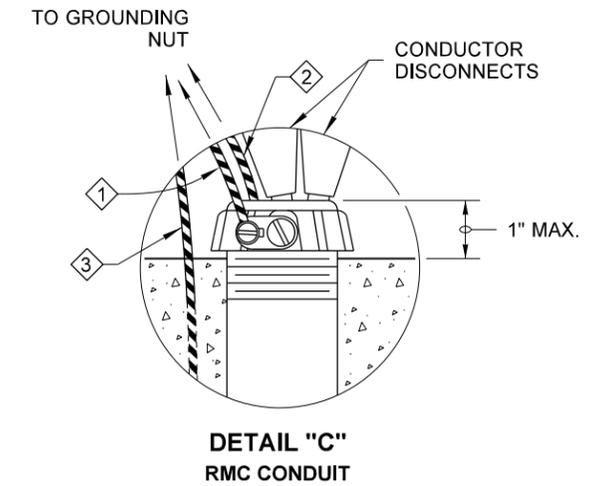
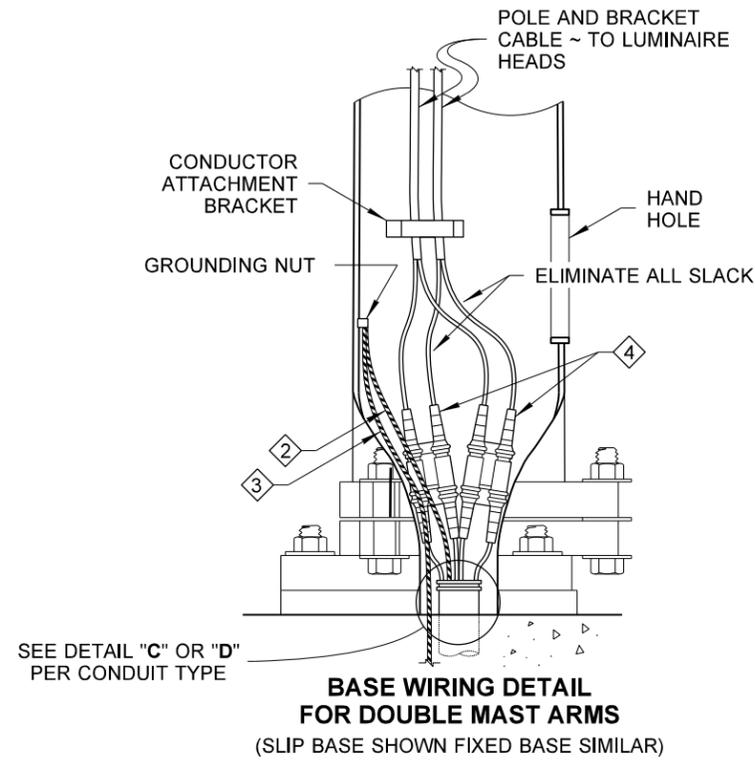
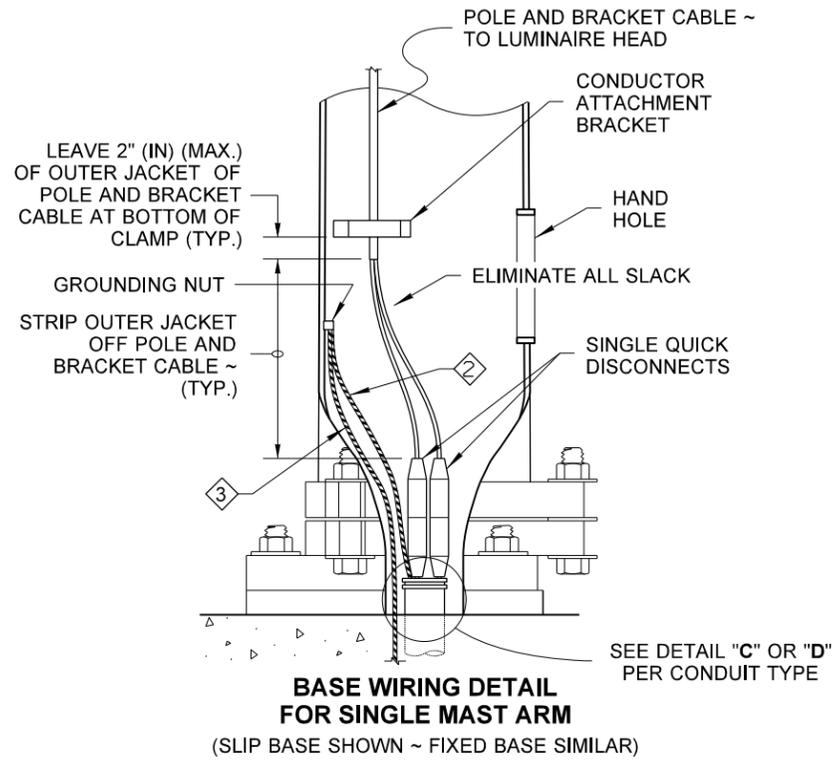
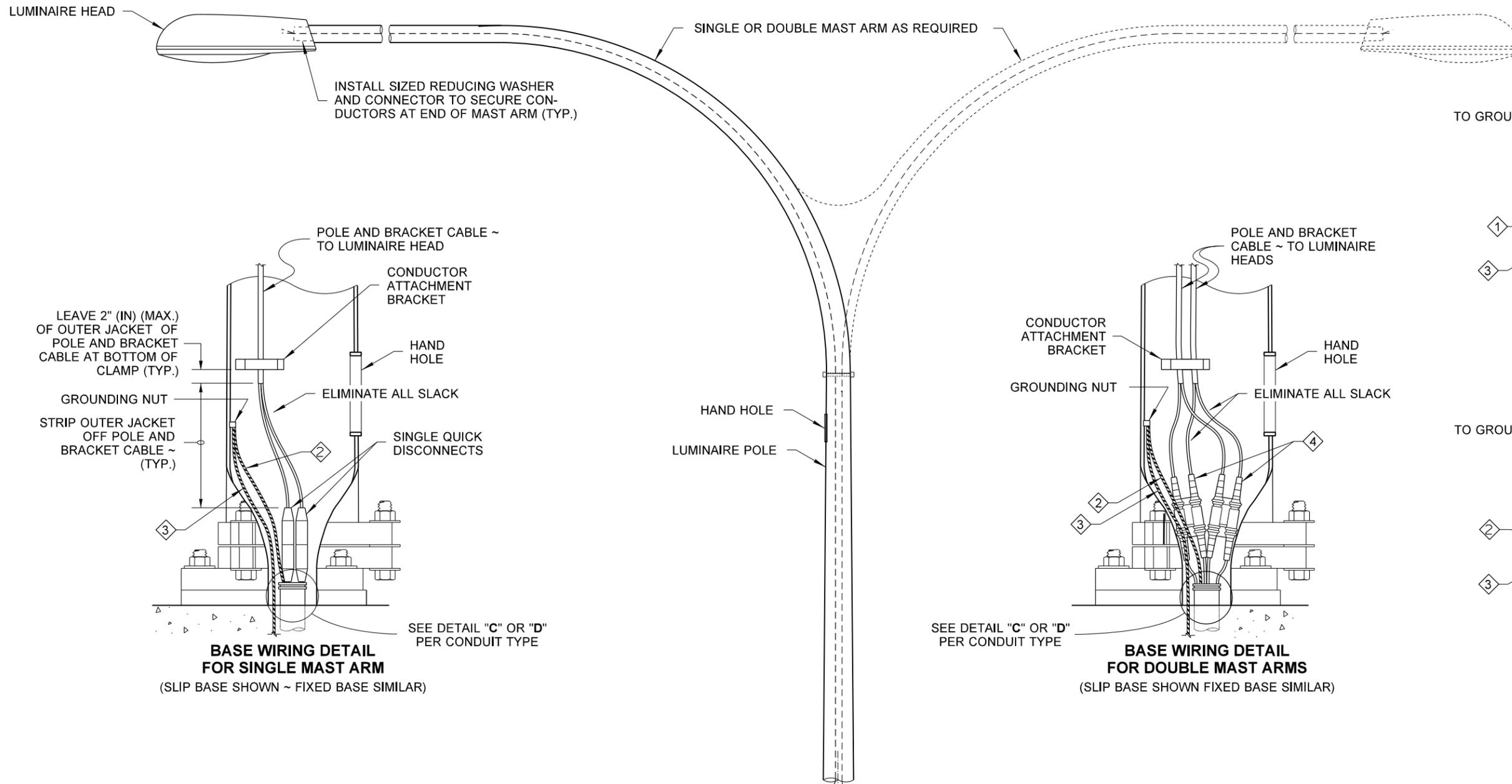


DRAWN BY: FERN LIDDELL



- ① EQUIPMENT BONDING JUMPER ~ FROM RMC CONDUIT
- ② EQUIPMENT GROUNDING CONDUCTOR
- NOTE: ① AND ② MAY BE SAME WIRE
- ③ EQUIPMENT BONDING JUMPER ~ FROM FOUNDATION
- ④ DOUBLE QUICK DISCONNECTS ~ PULL DOWN TIGHT TO CONDUIT (SHOWN LEFT UP FOR CLARITY)



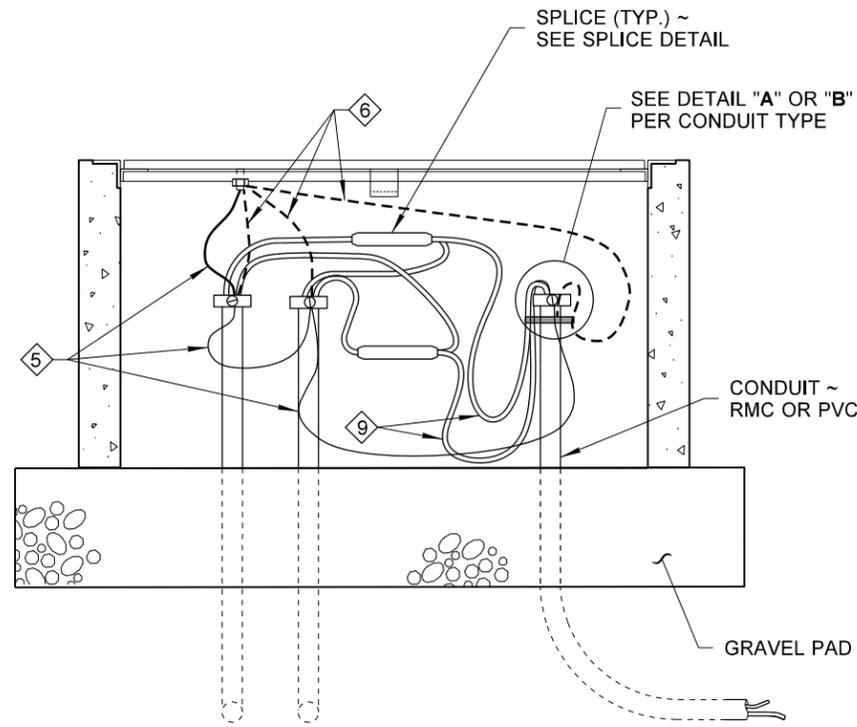
STEEL LIGHT STANDARD WIRING DETAILS

STANDARD PLAN J-28.70-03

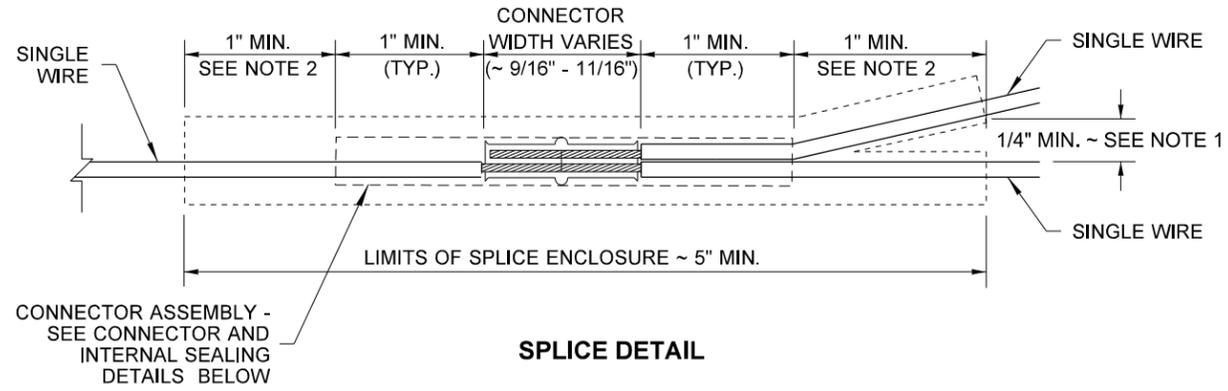
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

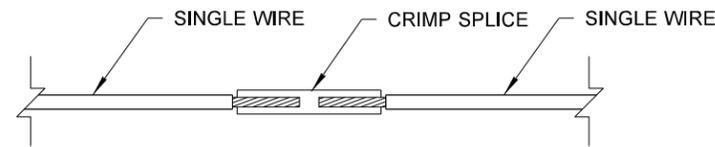
STATE DESIGN ENGINEER
Washington State Department of Transportation



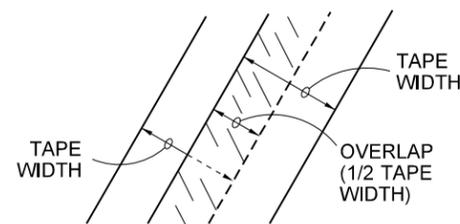
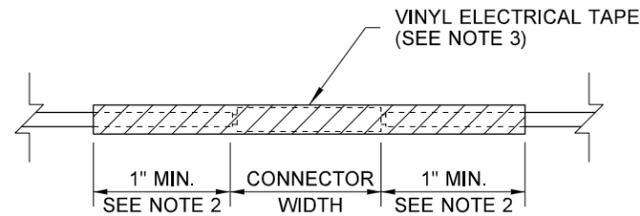
JUNCTION BOX WIRING DETAIL
FOR GROUNDING REQUIREMENTS, SEE **STANDARD PLAN J-60.05**



STEP 1 - CRIMP CONNECTION



STEP 2 - WRAP CONNECTION



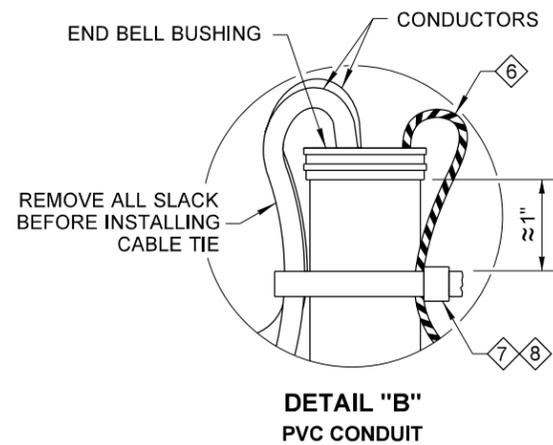
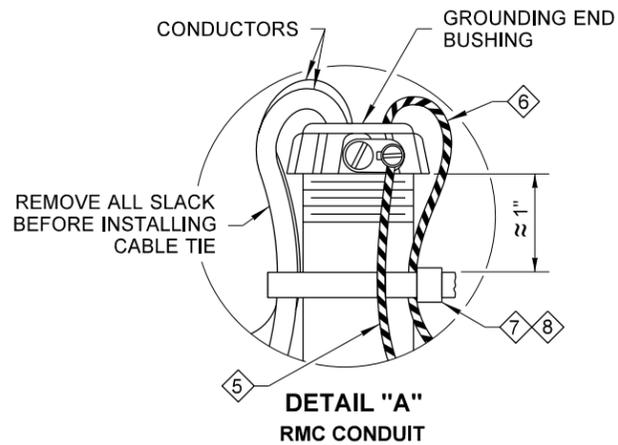
TAPE OVERLAP DIAGRAM

WHEN USING WRAPPED VINYL ELECTRICAL TAPE:
- INSTALL TWO LAYERS OF SPIRAL WRAPPED TAPE.
- EACH SPIRAL LAYER SHALL HAVE AN OVERLAP OF 1/2 OF THE TAPE WIDTH (SEE DIAGRAM ABOVE).

CONNECTOR AND INTERNAL SEALING DETAILS

NOTES

- Each wire shall be physically separated by at least 1/4" (in) so that sealing material can fill in between the wires; where heat shrink tubing is used for the outer splice enclosure, it shall meet one of the following requirements:
 - Have separate ports for each conductor ("WYE" or "X" shaped tubing). ~ or ~
 - Have rubber electrical mastic tape wrapped around each conductor to ensure a weather-proof seal. See Rubber Electrical Mastic Tape Installation Detail, **Standard Plan J-50.05**.
- Heat shrink tubing shall extend a minimum of one inch onto the original wire insulation of each wire in the splice. Rigid splice enclosures shall be centered over the crimped connection.
- Electrical tape used in splicing applications shall be 3/4" (in) wide, be UL listed under UL 510, and be CSA Certified under C22.2 NO. 197-M1983.
- Crimp splices shall be installed with an approved crimping tool for the type and size of crimp splice used. Pliers and similar multi-purpose tools may not be used.



- 5 EQUIPMENT BONDING JUMPER ~ FROM RMC CONDUIT
NOTE: 5 AND 6 MAY BE SAME WIRE
- 6 EQUIPMENT GROUNDING CONDUCTOR
- 7 CABLE TIE ~ 120 POUND TENSILE STRENGTH, BLACK

- 8 APPLICATION FOR FIXED BASE SIMILAR, EXCEPT NO CABLE TIE IS REQUIRED AT JUNCTION BOX
- 9 24" (IN) MIN. SLACK REQUIRED TO ALLOW QUICK DISCONNECTS TO BE PULLED OUTSIDE HAND HOLE 6" (IN) MIN.



STEEL LIGHT STANDARD WIRING DETAILS

STANDARD PLAN J-28.70-03

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER
Washington State Department of Transportation