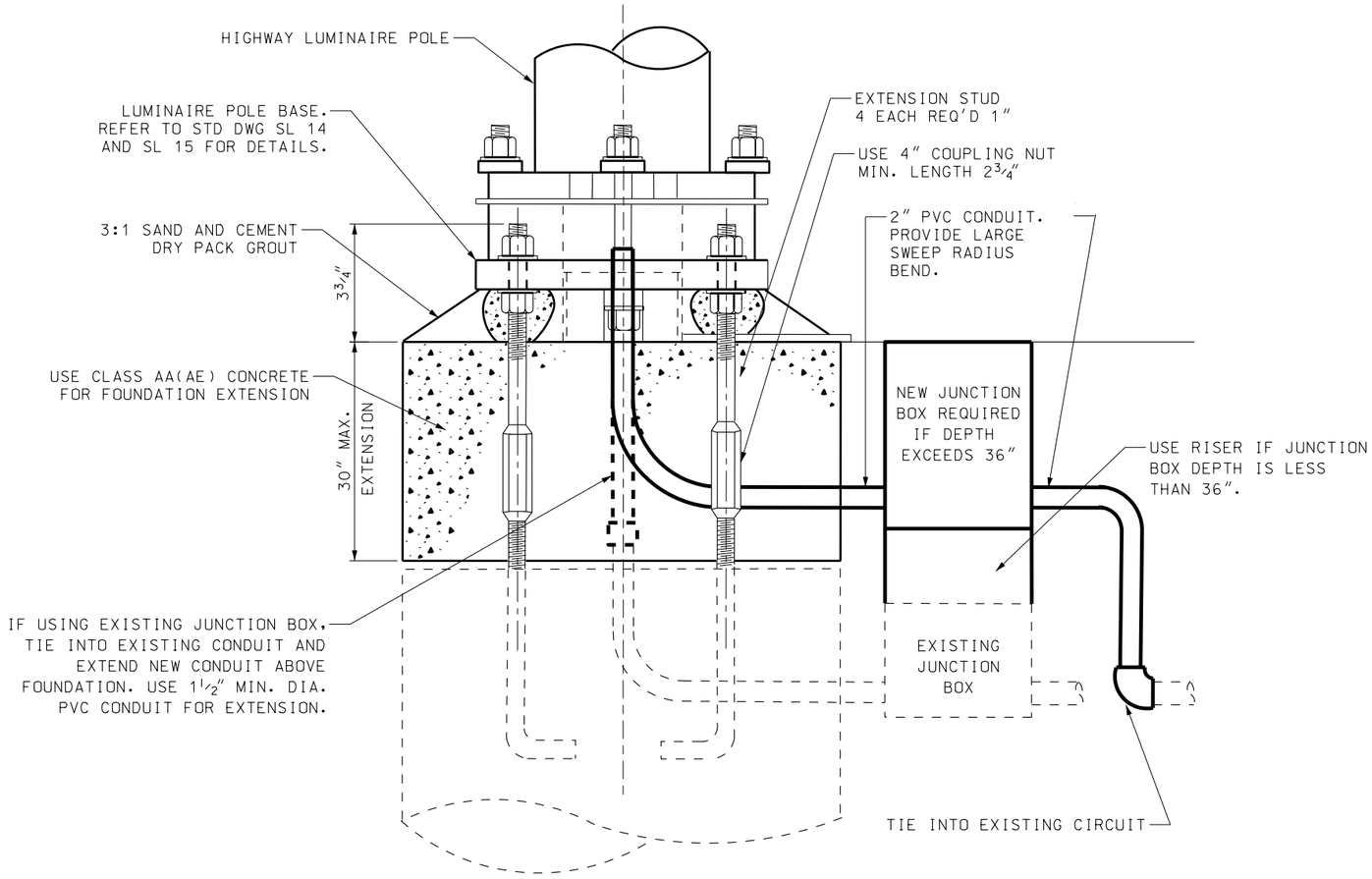
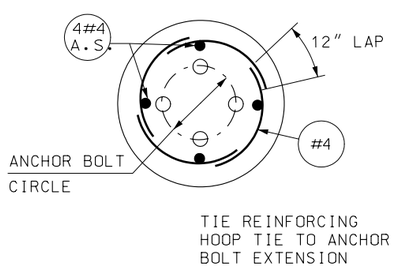


FOUNDATION EXTENSION DETAIL

USE REINFORCING STEEL THAT MEETS ASTM A 615 GRADE 60.



REINFORCEMENT DETAIL

SPACING GUIDE FOR REINFORCING STEEL HOOPTIE	
RISE IN FOUNDATION EXTENSION	NO. OF RINGS
6" TO 12"	2
12" TO 30"	3
30" TO 42"	4
42" +	12" SPACING
TOP RING 3" CONCRETE COVER	

NOTES:

1. USE COUPLING NUTS AND EXTENSION STUDS ON EXISTING LIGHT POLE FOUNDATION FOR ANY EXTENSION HEIGHT REQUIRED.
2. PROVIDE COUPLING NUTS CONFORMING WITH ASTM A 307 SPECIFICATIONS WITH A MINIMUM LENGTH OF 2¾" COUPLING NUTS IN ACCORDANCE WITH ASTM A 123, OR ZINC PLATED IN ACCORDANCE WITH ASTM A 152.
3. USE 1" DIA. EXTENSION STUDS CONFORMING TO ASTM A 307. GALVANIZE EXTENSION STUDS CONFORMING TO ASTM A 123 OR ZINC PLATE CONFORMING TO ASTM A 153.
4. ATTACH COUPLING NUTS TO EXISTING ANCHOR BOLTS. INSTALL EXTENSION STUDS TO PROVIDE 3¾" PROJECTION ABOVE TOP OF NEW FOOTING. EXTEND AND/OR PLACE CONDUIT AS SHOWN. PLACE REINFORCING STEEL AS SHOWN. FORM AND CAST FOUNDATION EXTENSION WITH CLASS AA(AE) CONCRETE.
5. REINSTALL BREAKAWAY SLIP BASE PLATE BOTTOM AND SPACER PLATE ON EXTENDED ANCHOR BOLT LEVELING NUTS.
6. ERECT AND PLUMB POLE. INSTALL SLIP BOLT SHANKS IN CONTACT WITH PLATES. TORQUE SLIP BOLTS TO 80 FT-LBS. RELEASE AND RE-TORQUE TO 66 FT-LBS VERTICALLY OVER CENTER OF BASE.
7. GROUT AFTER LIGHT POLE IS SECURED IN FINAL POSITION.
8. RECONSTRUCT FOUNDATION EXTENSION TO A MAXIMUM OF 30". USE EXISTING CONDUIT AND JUNCTION BOX. EXTEND CONDUIT AS SHOWN. ADD JUNCTION BOX RISERS TO MATCH GRADE FOR A MAXIMUM JUNCTION BOX DEPTH OF 36". IF GREATER THAN 36" IN DEPTH, INSTALL NEW JUNCTION BOX AND CONDUIT SYSTEM AS SHOWN.
9. ADJUST PULL BOXES (NOT LOCATED AT LUMINAIRE POLE) TO MATCH GRADE BY ADDING RISERS FOR A MAXIMUM JUNCTION BOX DEPTH OF 36". IF GREATER THAN 36" IN DEPTH, INSTALL NEW JUNCTION BOX AND CONDUIT SYSTEM AS SHOWN.
10. PROVIDE NEW CONDUIT LENGTH AND CONFIGURATION NECESSARY TO COUPLE THE EXISTING CONDUIT THROUGH FOUNDATION EXTENSION.
11. FILL ABANDONED JUNCTION BOXES WITH SAND.

REVISIONS

NO.	DATE	APPR.	REMARKS
1	12/18/03	LM	ENTIRE DRAWING MODIFIED. TITLE CHANGED. PREVIOUSLY SL 18.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — DEC.18,2003 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED — DEC.18,2003 DATE
DEPUTY DIRECTOR

STANDARD DRAWING TITLE
HIGHWAY LUMINAIRE POLE FOUNDATION EXTENSION

STD DWG
SL 17

DGN File:N:\Esa\Standard_Drawings\Imperial\Approved\Change7\Approved\SL17.dgn
29-JAN-2004