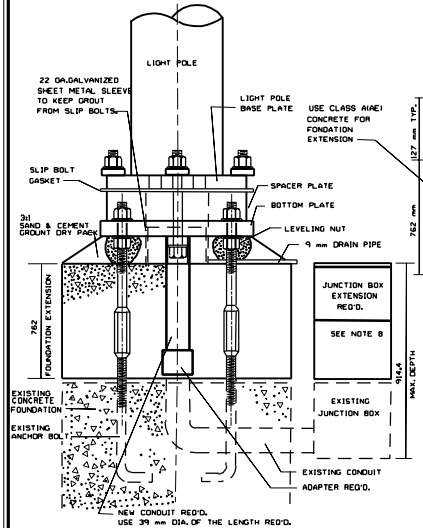
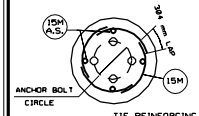
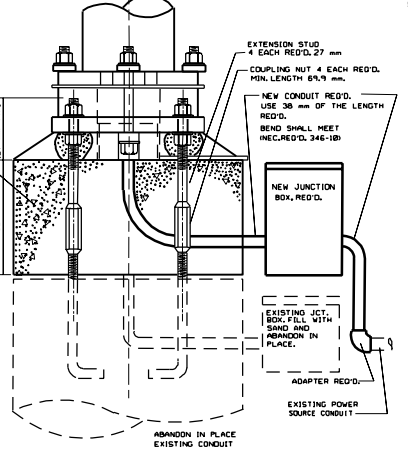


FOUNDATION EXTENSION DETAIL

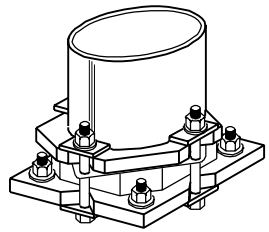
REINFORCING STEEL SHALL COMPLY WITH ASTM DESIGNATION A 615 GRADE 60



SPACING GUIDE FOR REINFORCING STEEL HOOPTIE	
RISE IN FOUNDATION EXTENSION	NO.OF RINGS
152 mm TO 304 mm	2
304 mm TO 762 mm	3
762 mm TO 1070 mm	4
1070 mm +	304.8 mm SPACING
TOP RING 76.2 mm CONCRETE COVER	



FOUNDATION EXTENSION DETAIL IN EXCESS OF 762 mm.



BREAKAWAY BASE REASSEMBLY DETAIL

NOTES:

1. USE COUPLING NUTS AND EXTENSION STUDS ON EXISTING LIGHT POLE FOUNDATION FOR ANY EXTENSION HEIGHT REQUIRED.
2. COUPILING NUTS SHALL CONFORM WITH ASTM A 307 SPECIFICATIONS AND SHALL HAVE A MINIMUM LENGTH OF 69.9 mm COUPLING NUTS SHALL BE GALVANIZED (ASTM A 123), OR ZINC PLATED (ASTM A 152)
3. EXTENSION STUDS SHALL BE 25.4 mm DIA. AND SHALL CONFORM TO ASTM A 307 SPECIFICATION. EXTENSION STUDS SHALL BE GALVANIZED (ASTM A 123), OR ZINC PLATED (ASTM A 153)
4. ATTACH COUPLING NUTS TO EXISTING ANCHOR BOLTS. INSTALL EXTENSION STUDS TO PROVIDE 127 mm PROJECTION ABOVE TOP OF NEW FOOTING. EXTEND AND/OR PLACE CONDUIT AS SHOWN. REINFORCING STEEL SHALL BE SPACED AS SHOWN. FORM AND CAST FOUNDATION EXTENSION WITH CLASS A(AE) CONCRETE.
5. REINSTALL BREAKAWAY BASE-PLATE BOTTOM AND SPACER PLATE ON EXTENDED ANCHOR BOLT LEVELING NUTS.
6. ERECT AND PLUMB POLE (SEE PLUMBING DETAIL) SLIP BOLT SHANKS MUST BE IN CONTACT WITH PLATES. TORQUE SLIP (22 N•m BOLTS TO RELESE AND RETORQUE TO 108 N•m ADJUST LEVELING NUTS TO ALIGN TOP OF POLE VERTICALLY OVER CENTER OF BASE
7. GROUNTING TO BE DONE AFTER LIGHT POLE IS SECURED IN FINAL POSITION.
8. FOUNDATION EXTENSIONS,TO A MAXIMUM OF 762 mm, SHALL USE EXISTING CONDUIT AND JUNCTION BOX. CONDUIT SHALL BE EXTENDED AS SHOWN. JUNCTION BOX SHALL BE BROUGHT TO GRADE BY ADDITION OF JUNCTION BOX EXTENSIONS TO A MAXIMUM JUNCTION BOX DEPTH OF 914.4 mm BEYOND 914.4 mm A NEW JUNCTION BOX AND CONDUIT SYSTEM SHALL BE INSTALLED AS DETAILED.
9. JUNCTION BOXES NOT LOCATED AT LIGHT POLE SHALL BE BROUGHT TO GRADE BY ADDITION OF JUNCTION BOX EXTENSIONS TO A MAXIMUM JUNCTION BOX DEPTH OF 914.4 mm BEYOND 914.4 mm A NEW JUNCTION BOX SHALL BE INSTALLED.
10. ANY NEW CONDUIT REQUIRED SHALL BE ADDED IN A LENGTH AND CONFIGURATION NECESSARY TO COUPLE THE EXISTING CONDUIT THROUGH THE FOUNDATION EXTENSION

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

REVISIONS			
NO.	DATE	REMARKS	
1	06/27/96	B.A.	CORRECT BAR DESIGNATION

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

RECOMMENDED FOR APPROVAL: APR.27,1999 DATE
CHAIRMAN STANDARDS COMMITTEE
APPROVED: APR.27,1999 DATE
DEPUTY DIRECTOR

(METRIC)
STANDARD DRAWING TITLE
LIGHT POLE FOUNDATION EXTENSION

STD. DWG. NO.
755-7