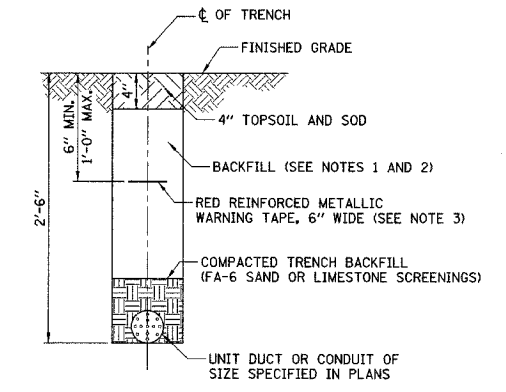


- STREET CROSSING
- CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT.
 - CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
 - CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW BOTTOM OF CURB.

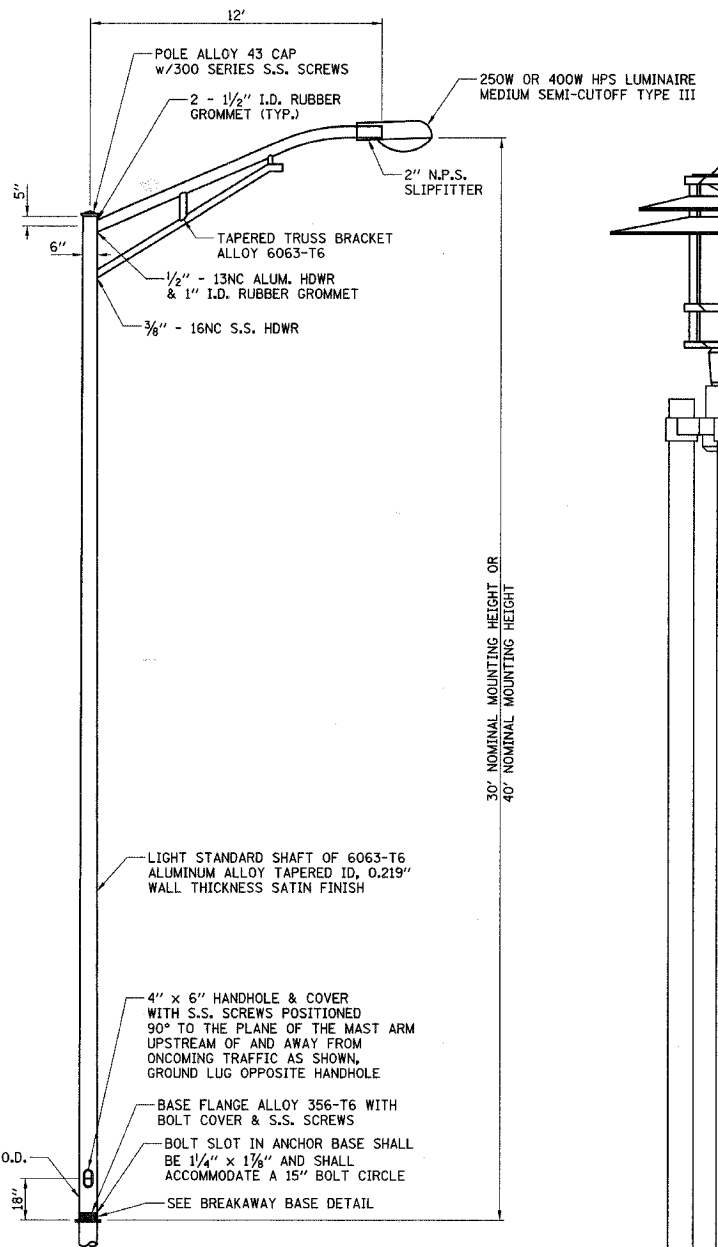
ELECTRICAL CONDUIT UNDER PAVEMENT

NOTES:

- IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
- TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
- WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".
- ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.

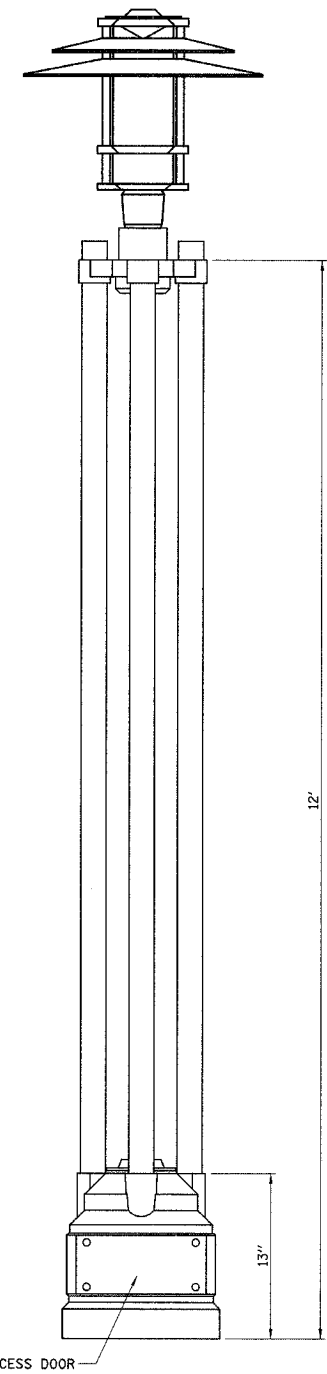


TYPICAL TRENCH CROSS SECTION

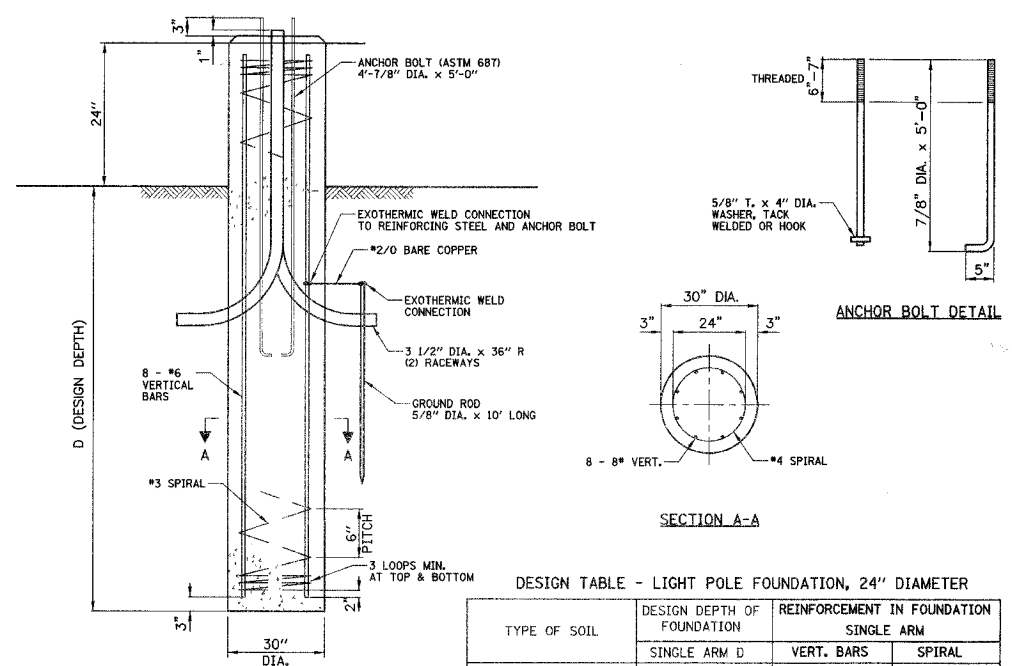


- NOTES:
- HEAT TREATMENT SHALL BE APPLIED AFTER WELDING.
 - DESIGN SHALL CONFORM WITH 1985 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS FOR 80 MPH WIND LOADINGS WITH A 1.3 GUST LOAD FACTOR.
 - POLES AND ARMS SHALL BE BUILT TO TOLERANCES THAT WILL ALLOW CONSISTENT INTERCHANGIBILITY TO FACILITATE REPLACEMENT OF ARMS AND POLES.
 - A DECAL COMPLYING WITH THE ANSI STANDARD SHALL BE PERMANENTLY ATTACHED TO THE LUMINAIRE AT THE FACTORY. THE DECK SHALL ALLOW A VIEWER AT GROUND LEVEL TO IDENTIFY THE WATTAGE AND LUMINAIRE PHOTOMETRIC DISTRIBUTION.

LIGHTING UNIT
(NOT TO SCALE)



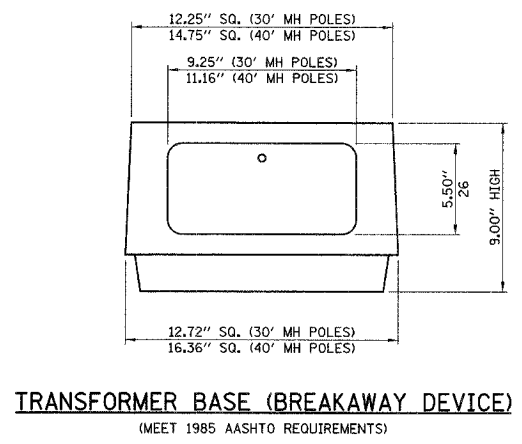
DECORATIVE LIGHTING UNIT



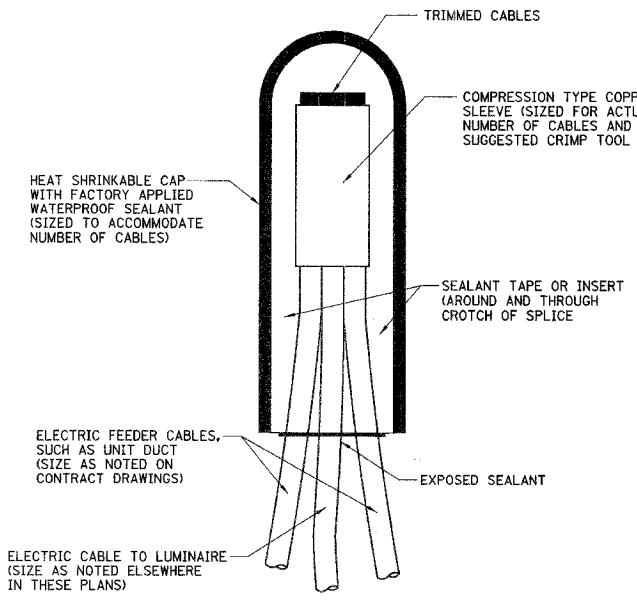
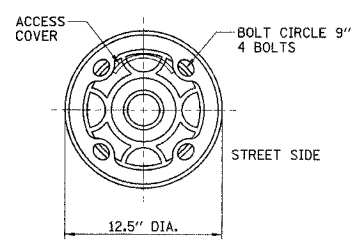
DESIGN TABLE - LIGHT POLE FOUNDATION, 24" DIAMETER

| TYPE OF SOIL | DESIGN DEPTH OF FOUNDATION | REINFORCEMENT IN FOUNDATION SINGLE ARM | |
|-------------------------|----------------------------|--|-----------|
| | | VERT. BARS | SPIRAL |
| SOFT CLAY | 13'-0" | 8-#6 x 14'-6" | #3 x 122' |
| MEDIUM CLAY | 9'-6" | 8-#6 x 11'-0" | #3 x 90' |
| STIFF CLAY | 7'-0" | 8-#6 x 8'-6" | #3 x 66' |
| LOOSE SAND | 10'-0" | 8-#6 x 11'-6" | #3 x 94' |
| MEDIUM SAND | 8'-3" | 8-#6 x 10'-0" | #3 x 78' |
| DENSE SAND | 7'-9" | 8-#6 x 9'-6" | #3 x 73' |
| ROCK OR SOLIDIFIED SLAG | 5'-0" | NONE | NONE |

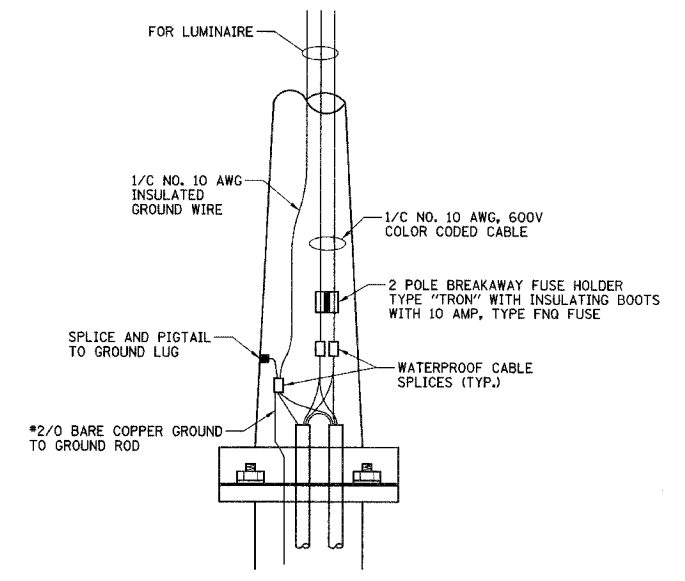
LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL



TRANSFORMER BASE (BREAKAWAY DEVICE)
(MEET 1985 AASHTO REQUIREMENTS)



SPlicing ELECTRIC Cables
BASIC MATERIALS AND METHODS



ROADWAY POLE HANDHOLE WIRING DIAGRAM

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHTING DETAILS
WISE ROAD