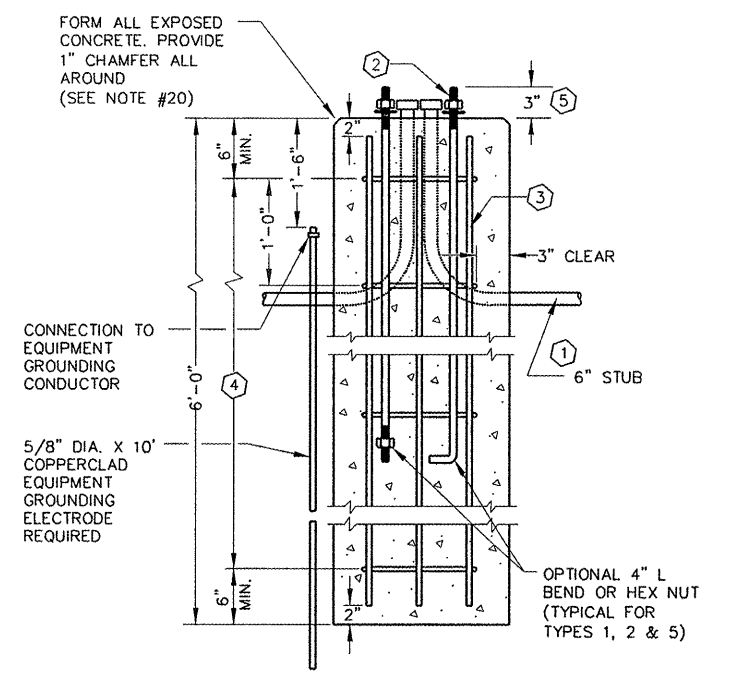
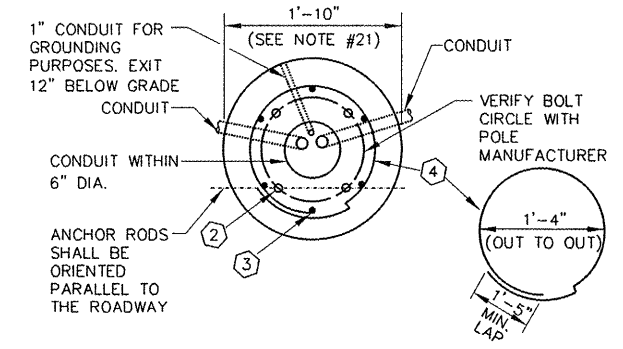


### CONCRETE FOUNDATION NOTES

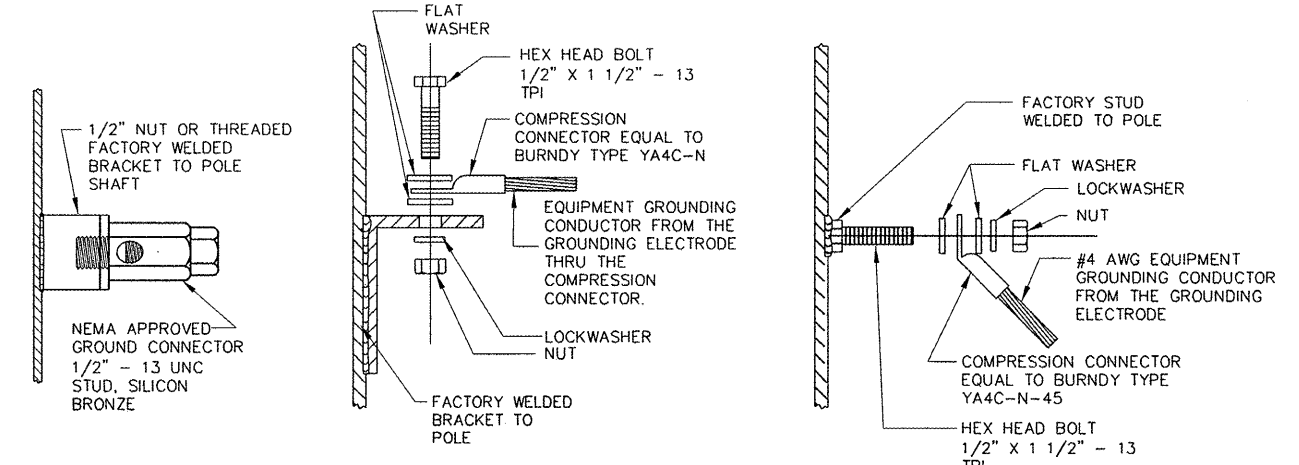
1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.
2. FOUNDATION SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.
3. TOP SURFACES OF CONCRETE FOUNDATION SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.
4. CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.
5. THE FINAL OR TERMINATING CONCRETE FOUNDATION IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE FOUNDATION.
6. MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.
7. CONDUIT HEIGHT ABOVE CONCRETE FOUNDATIONS SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.
8. ALL CONDUIT ENDS AT THE TOP OF CONCRETE FOUNDATIONS SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.
9. BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE FOUNDATIONS BEFORE INSTALLATION OF CABLE OR WIRE.
10. ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.
11. WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.
12. IF A FOUNDATION REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE FOUNDATION. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE FOUNDATION IN LAYERS OF 1 FOOT OR LESS.
13. A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).
14. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE FOUNDATION THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE FOUNDATION. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.
15. ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD, ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM A-449, OR ASTM A-687 (GRADE 105).
16. WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.
17. WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.
18. ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL PER SECTION 5.17.6.3, AASHTO 2001 4TH EDITION STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.
19. WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.
20. THE TOP OF THE PROPOSED CONCRETE FOUNDATION SHALL BE PLACED 4" ABOVE GRADE WHEN LOCATED IN AREAS OF TURF AND SHALL BE PLACED 1" ABOVE GRADE WHEN LOCATED IN AREAS OF PAVEMENT (NOT SHOWN IN THE DETAIL).
21. THE EXPOSED PORTION OF THE PROPOSED CONCRETE FOUNDATION SHALL BE SQUARE SHAPED OF SIMILAR DIMENSIONS WHEN LOCATED IN AREAS WITH PROPOSED UNIT PAVERS, AT NO ADDITIONAL COMPENSATION (NOT SHOWN IN THE DETAIL).



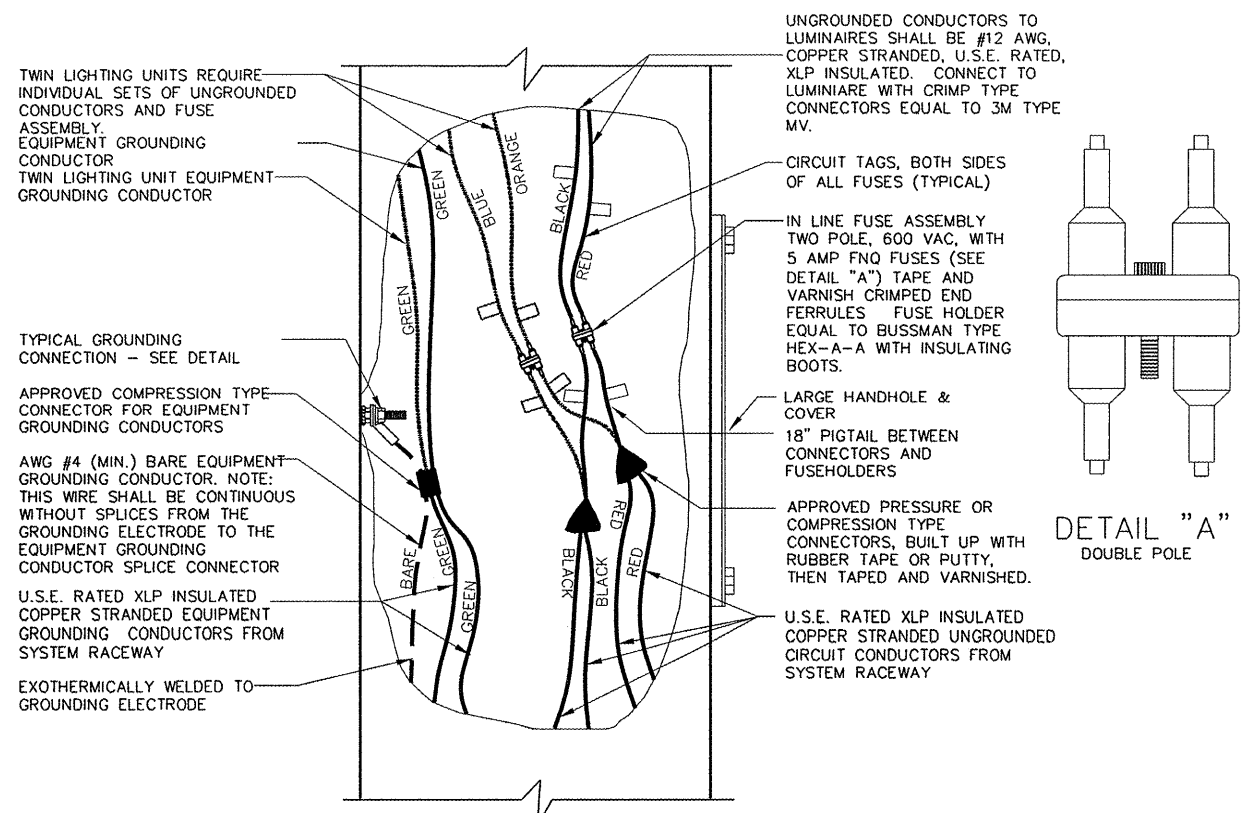
**LIGHT POLE FOUNDATION (SPECIAL)**  
NOT TO SCALE

### KEY NOTES

- 1) BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN.
- 2) (4) 1" DIA. X 3'-6" ANCHOR RODS.
- 3) (6) NO. 4 X 5'-8" BAR STEEL REINFORCEMENT
- 4) (6) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.
- 5) ANY ANCHOR ROD PROJECTION SHORTER THAN 2-3/4" OR LONGER THAN 3-1/4" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.



**TYPICAL GROUNDING CONNECTIONS**  
NUT, BOLT, AND WASHERS SHALL BE STAINLESS STEEL



**2 WIRE - 240 VAC (UNGROUNDING CONDUCTORS)  
WITH EQUIPMENT GROUNDING CONDUCTOR**

