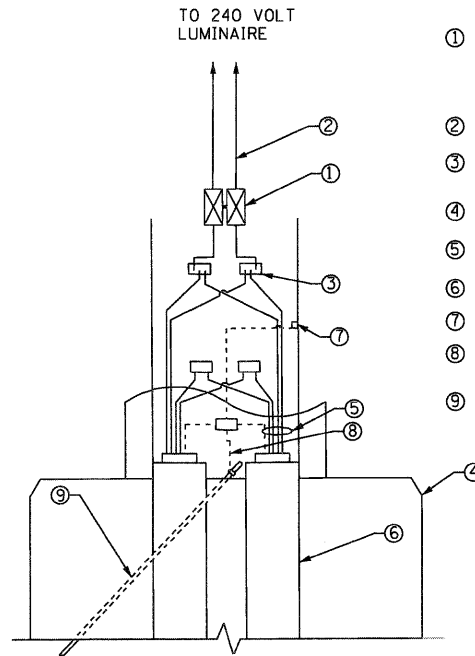
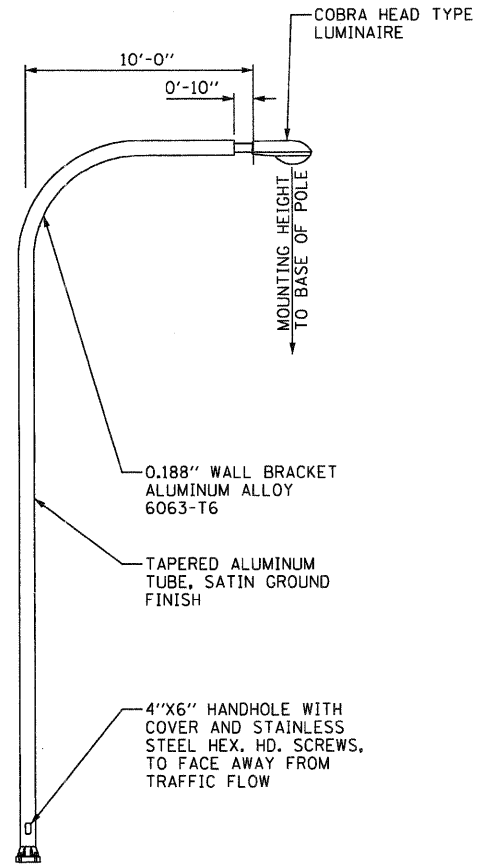


—— PHASE CONDUCTOR
 - - - - GROUND CONDUCTOR

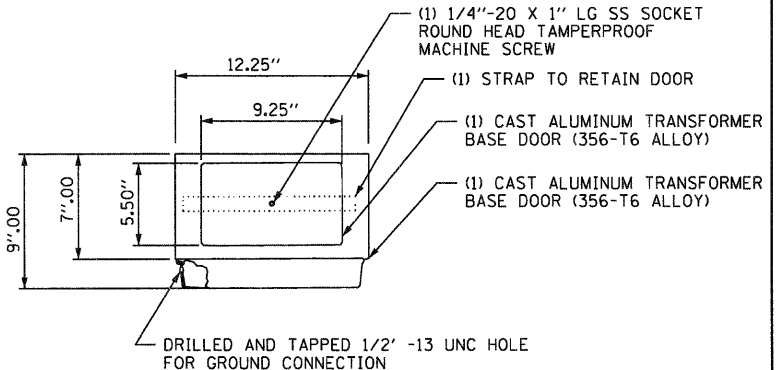
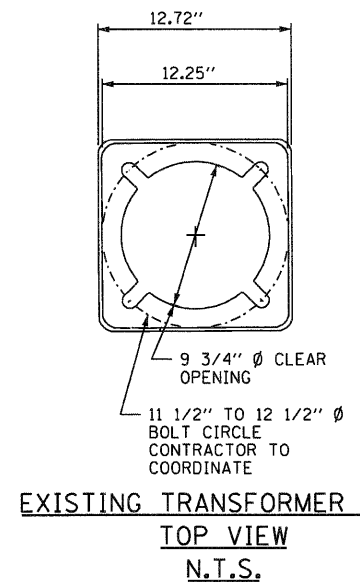
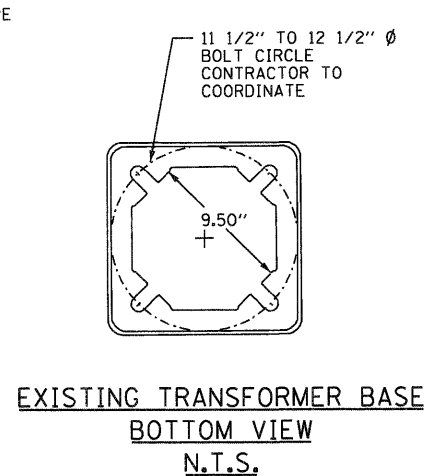


**RELOCATED EXISTING CITY OF ELGIN LIGHT POLE
 HANDHOLE WIRING DIAGRAM
 N.T.S.**

- ① 2 POLE QUICK DISCONNECT WITH 7 AMP FUSES INSIDE A HOLDER AND INSULATING BOOTS
- ② NO. 10 A.W.G. WIRE
- ③ MULTIPLE COMPRESSION FITTINGS (SPLICE), TYP.
- ④ CONCRETE FOUNDATION
- ⑤ WIRE AS SHOWN ON THE PLANS
- ⑥ PVC RACEWAY
- ⑦ POLE GROUND LUG
- ⑧ #6 INSULATED GROUND WIRE TO GROUND ROD
- ⑨ 5/8" DIA. X 10' GROUND ROD



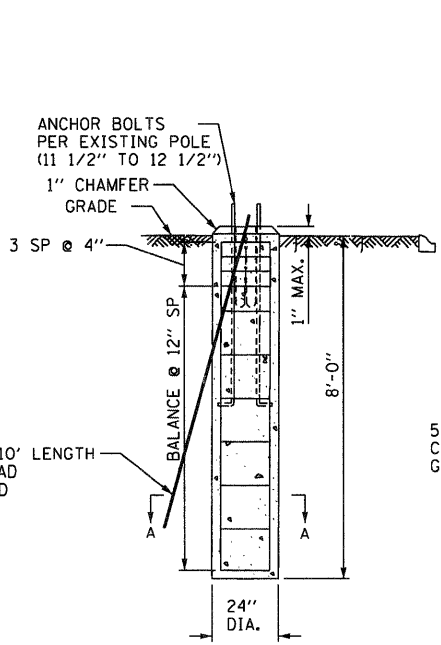
**RELOCATED EXISTING CITY OF ELGIN LIGHT POLE
 N.T.S.**



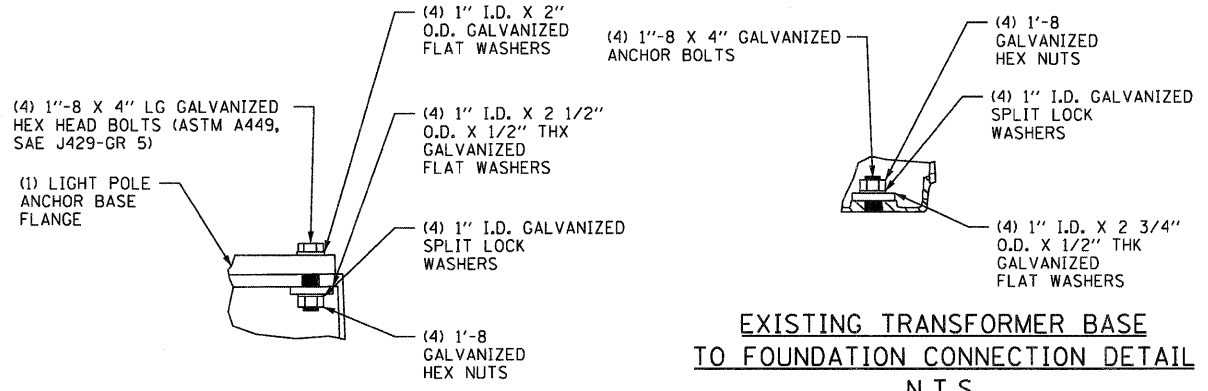
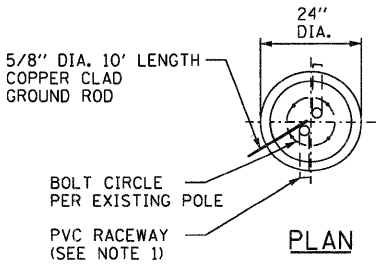
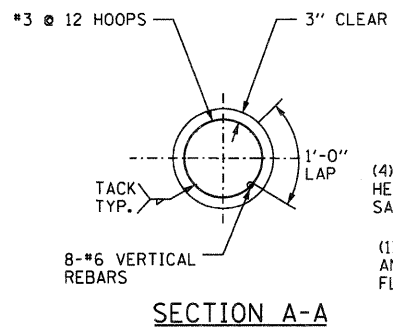
**EXISTING TRANSFORMER BASE
 N.T.S.**

NOTES:

1. RACEWAYS SHALL BE 2 1/2" DIA. FOR THE CITY OF ELGIN LIGHT POLE FOUNDATION.
2. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING FOUNDATION AND BOLT CIRCLE, AND BUILD A NEW FOUNDATION TO MATCH IT AT THE PROPOSED LOCATION FOR THE EXISTING RELOCATED LIGHT POLE.
3. THE STANDARD STREET POLE INSTALLED IN THE CITY OF ELGIN CONSISTS OF A 24 INCH DIAMETER CONCRETE FOUNDATION EIGHT FEET DEEP BELOW GRADE. AT LEAST THE TOP 18 INCHES OF THE FOUNDATION IS TO BE FORMED USING A ROUND FORM. THE FORM USED SHALL RESULT IN A SMOOTH UNIFORM FINISH A LONG AT LEAST THE TOP 18 INCHES OF THE FOUNDATION. THE TOP OF THE FORM SHALL PRODUCE A 1 INCH CHAMFER AROUND THE TOP OF THE FINISHED CONCRETE. THE BALANCE OF THE FOUNDATION SHALL BE POURED AGAINST UNDISTURBED EARTH. THE CONCRETE FOUNDATION SHALL INCLUDE REINFORCING WIRE AS SHOWN ON THE DRAWING. THE ANCHOR BOLT SHALL BE GALVANIZED AND A MINIMUM 1 INCH DIAMETER BY 40 INCHES LONG UNLESS OTHERWISE SPECIFIED BY THE STREET LIGHT POLE MANUFACTURER. ONE 5/8 INCH BY 10 FOOT COPPERWELD GROUND ROD SHALL BE CAST INTO THE CONCRETE FOUNDATION WITH AT LEAST 6 INCHES PROTRUDING ABOVE THE TOP OF SURFACE OF THE CONCRETE. THE GROUND ROD SHALL EXIT THE FOUNDATION AT A POINT 30 INCHES BELOW GRADE AND SHALL BE IN CONTINUOUS CONTACT WITH EARTH FOR THE REST OF ITS LENGTH. TWO 2 INCHES PVC CONDUIT STUBS WITH 90 DEGREE ELBOWS AT THE BOTTOM SHALL EXIT THE FOUNDATION AT 30 INCHES BELOW THE ESTABLISHED OR PROPOSED GRADE OF THE SURROUNDING AREA. IF GRADE IS NOT ESTABLISHED THEN THE GRADE SHALL NORMALLY BE CONSIDERED TO BE LEVEL WITH THE TOP OF ANY ADJOINING ROADWAY CURB. THE TWO CONDUIT STUBS SHALL BE LOCATED TO ALIGN WITH THE SOURCE OF ELECTRICAL CABLE IF ONE CONDUIT IS NOT USED FOR ELECTRICAL CABLE AT THIS TIME THEN IT SHALL BE LOCATED PARALLEL TO THE BACK OF THE ADJOINING ROADWAY CURB OR EDGE OF PAVEMENT. IF NO CURB EXISTS THEN THE STUBS SHALL BE LINED UP WITH THE PROPOSED PATH OF THE ELECTRICAL SERVICE. THE ANCHOR BOLTS SHALL BE INSTALLED SO THAT THE BASE CASTING OF THE STREET LIGHT POLE BASE IS PARALLEL TO THE BACK OF THE CURB OR EDGE OF PAVEMENT.



**CONCRETE FOUNDATION DETAIL
 N.T.S.**



**EXISTING TRANSFORMER BASE
 TO LIGHT POLE CONNECTION DETAIL
 N.T.S.**

**EXISTING TRANSFORMER BASE
 TO FOUNDATION CONNECTION DETAIL
 N.T.S.**

**EXISTING BREAKAWAY TRANSFORMER BASE
 DETAIL FOR CITY OF ELGIN RELOCATED POLE
 N.T.S.**

GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60631 TEL. (773) 774-5910

FILE NAME =	USER NAME = .GAI.	DESIGNED - PKG	REVISED -
#FILEL#		DRAWN - MAA, SHM	REVISED -
	PLOT SCALE = NONE	CHECKED - PKG	REVISED -
	PLOT DATE = 12/8/2011	DATE - 12/16/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING CITY OF ELGIN LIGHT POLE DETAIL

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 345	SECTION BR-R	COUNTY KANE	TOTAL SHEETS 794	SHEET NO. 458
CONTRACT NO. 60H45				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				