

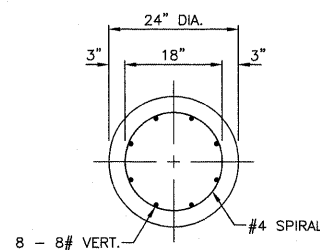
ANCHOR BOLT DETAIL

NOTES:

1. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE. THE CONTRACTOR SHALL NOT ORDER REINFORCEMENT BARS UNTIL THE OFFSET AND DIMENSION D ARE DETERMINED.
2. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" IN DIAMETER.
3. THE CONTRACTOR SHALL USE #3 SPIRAL AT 6" PITCH OR AT HIS OPTION MAY SUBSTITUTE #3 TIES AT 12" CENTER.
4. THE ANCHOR SHALL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
5. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
6. THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A 153.
7. CONCRETE SHALL BE CLASS "SI". CONCRETE FOUNDATION MUST BE CURED FOR (10) TEN DAYS BEFORE THE LIGHT STANDARD IS ERECTED.
8. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.
9. ANCHOR BOLTS SHALL PROJECT 3" ABOVE THE TOP OF THE FOUNDATION.
10. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
11. THE CONTRACTOR SHALL COORDINATE THE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
12. A MINIMUM OF 3" OF THE THREADING ON THE ANCHOR BOLTS SHALL REMAIN BELOW THE TOP OF THE FOUNDATION.

DESIGN TABLE - LIGHT POLE FOUNDATION, 24" DIAMETER

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION
	D
SOFT CLAY	15'-0"
MEDIUM CLAY	10'-9"
STIFF CLAY	8'-0"
LOOSE SAND	11'-0"
MEDIUM SAND	9'-0"
DENSE SAND	9'-0"
ROCK OR SOLIDIFIED SLAG	5'-0"



SECTION A-A

LIGHT POLE FOUNDATION, 24" DIAMETER

REV. 9-4-09

FILE NAME =	USER NAME =	DESIGNED <i>SJC</i>	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LIGHTING DETAILS</b> ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN <i>CDC</i>	REVISED -	0326			06-00130-00-CH	WILL	116	76A	
PLOT SCALE =	CHECKED <i>DNM</i>	REVISED -	CONTRACT NO. 63185							
PLOT DATE =	DATE <i>5-29-09</i>	REVISED -	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)							
					SCALE: NOT TO SCALE	SHEET NO. 1 OF 1 SHEETS				