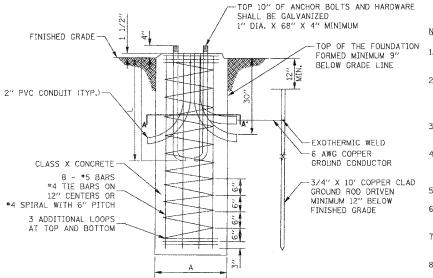


LIGHT POLE HANDHOLE WIRING DETAIL

NOT TO SCALE

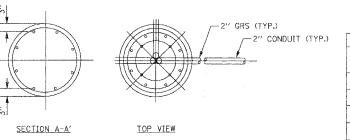
DATE NAME SCALE NAME



LIGHTING FOUNDATION DIMENSIONS MOUNTING ANCHOR BOLT DIAMETER HEIGHT 35'-0" 24" 18" 56"

CONTRACT NO. 83989 F.A.U SECTION COUNTY 1512 : 05-00093-00-WR DUPAGE 72 49 TO STA. FED. ROAD DIST, NO. 1 THEINDIS FED. ATD PROJECT PROJECT NO.: M-8003 (699)

- THE ENGINEER SHALL DETERMINE IF THE CLASS OF SOIL DURING THE EXCAVATION AND SELECT THE DEPTH OF THE FOUNDATION FROM THE DESIGN TABLES.
- 2. EXCAVATION OF THE FOUNDATION SHALL BE MADE WITH A 30" DIAMETER AUGER UNLESS A LARGER DIAMETER IS REQUIRED FOR THE ANCHOR BOLT PATTERN. THE MINIMUM DIAMETER OF THE SHAFT SHALL BE THE ANCHOR BOLT CIRCLE
- 3. THE CONTRACTOR SHALL USE A NO. 3 SPIRAL CAGE WITH A 6" PITCH, OR AT HIS OPTION, MAY SUBSTITUTE WITH NO. 3 HOOPS AT 12" ON-CENTER.
- 4. EACH ANCHOR BOLT SHALL BE FURNISHED WITH TWO (2) FLAT WASHERS AND TWO (2) HEX NUTS. THEY SHALL BE EITHER GALVANIZED OR STAINLESS STEEL TO MATCH THE ANCHOR BOLTS.
- 5. RACEWAYS SHALL BE INSTALLED PARALLEL TO THE EDGE OF PAVEMENT.
- 6. ANCHOR BOLTS, RACEWAYS, AND REINFORCING STEEL SHALL BE SECURED IN-PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- 7. CONCRETE SHALL BE AN IDOT CLASS SI MIX, WITH A MINIMUM STRENGTH
- 8. THE CONCRETE SHALL CURE FOR A MINIMUM OF SEVEN (7) DAYS BEFORE ERECTING THE LIGHT POLE.
- 9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ERECTING THE LIGHT POLE.
- 10. ANCHOR BOLTS SHALL PROJECT A MINIMUM OF TWO (2) INCHES AND A MAXIMUM OF FOUR (4) INCHES ABOVE THE TOP OF THE FOUNDATION.
- 11. RACEWAYS SHALL PROJECT ONE (1) INCH ABOVE THE TOP OF THE FOUNDATION.
- 12. ALL GROUND ROD CONNECTIONS SHALL BE MADE BELOW GRADE, TWELVE (12) INCHES MINIMUM BURY, WITH EXOTHERMIC INERT GAS WELDS.



NOTE: BOLT CIRCLE AS A MANUFACTURER'S TEMPLATE

LIGHT POLE FOUNDATION DETAIL NOT TO SCALE

DESIGN DEPTH REINFORCEMENT IN FOUNDATION TYPE OF SINGLE TWIN SINGLE ARM TWIN ARM SOIL ARM D VERT. BARS SPIRAL VERT. BARS SPIRAL 15'-0" 13'-0" SOFT CLAY 4-#6X12'-6" #3X141 #3X122 4-#6X14'-6" MEDIUM CLAY 9'-6" 10'-9" 4-#6X9'-0" 4-#6X10'-3" #3X90' #3X100' STIFF CLAY 8'-0" 8'-0" | 4-#6X7'-6" #3X76' 4-#6X7'-6" #3X76' OOSE SAND 10'-0" 4-#6X8'-6" #3X85' 4-#6X9'-6'' #3X941 MEDIUM SAND 8'-3" 9'-0" 4-#6X7'-9'' #3X78′ 4-#6X8'-6" #3X851 9'-0" |4-#6X7'-6" DENSE SAND 8'-0" #3X76' 4-#6X8'-6" #3X851

- 1. THE CONTRACTOR, AT HIS OPTION, MAY SUBSTITUTE *3 HOOPS AT 12" ON-CENTER FOR SPIRAL CAGE.
- 2. THE CONTRACTOR SHALL USE THE VALUES FOR TWIN ARM INSTALLATION FOR THIS PROJECT.

LIGHT FIXTURE SCHEDULE

LABEL	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
A1	SINGLE	16,000	0,700	OVH15S22D4H-RA1014

E 00 0 05 10

			E-08 8 0F 12	
REVISION	4S	ILLINOIS DEPARTMENT OF TRANSPORTATION		
NAME	DATE	ILLINOIS DEPARTMENT	UF TRANSPORTATION	
		VILLAGE OF	WESTMONT	
	-	59TH STREET RECONSTRUCTION		
		ELECTRICAL DETAILS		
		SHEET	1 OF 5	
		SCALE: N.T.S.	DRAWN BY: FO	
		DATE: 09/21/07	CHECKED BY: DEM	

150 WATT HPS LUMINAIRE