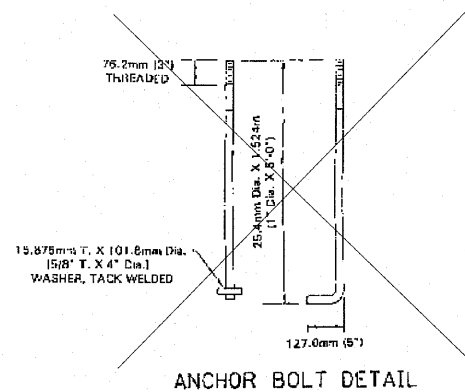
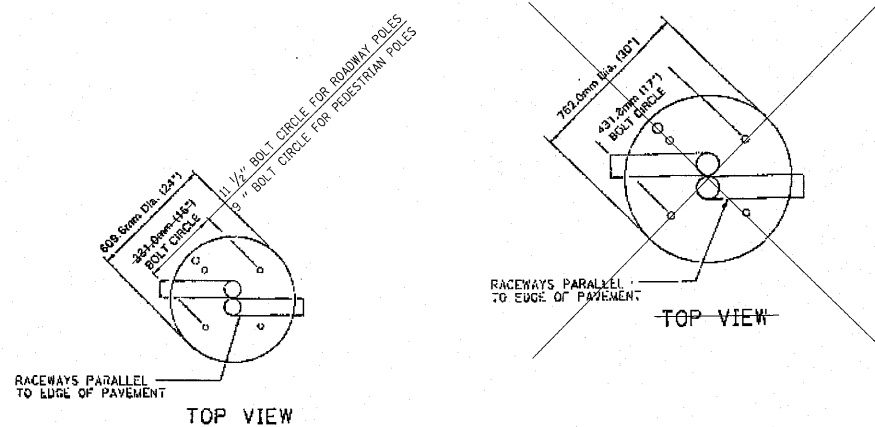
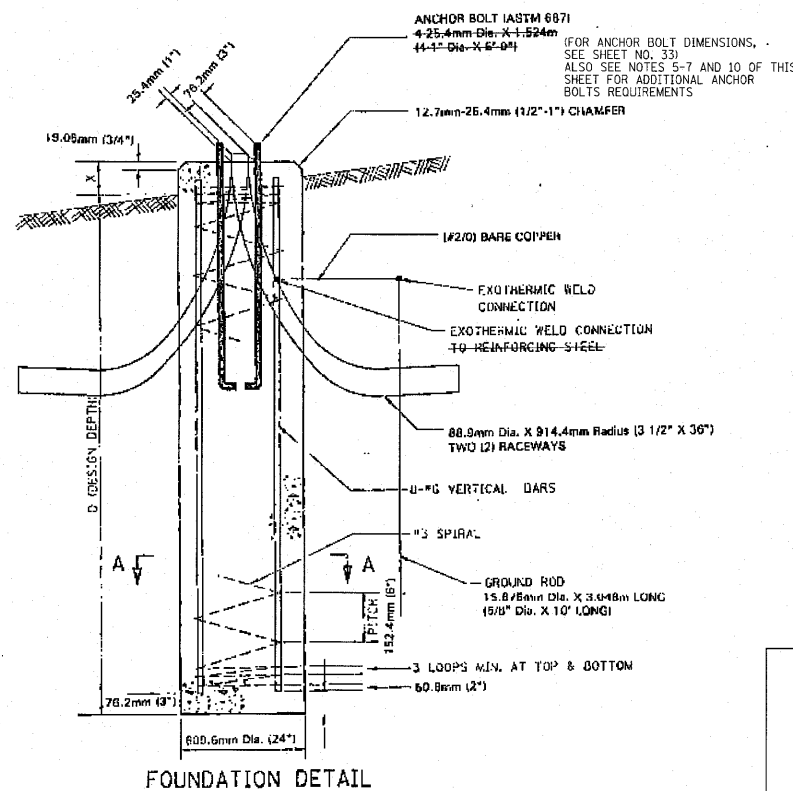


FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM	TWIN ARM	SINGLE ARM		TWIN ARM	
	VERT. BARS	VERT. BARS	SPIRAL	VERT. BARS	SPIRAL	SPIRAL
SOFT CLAY	3.96m (13'-0")	4.57m (15'-0")	8-#6 X 3.81m (12'-6")	#3 X 37.19m (122')	8-#6 X 4.34m (14'-3")	#3 X 42.98m (141')
MEDIUM CLAY	2.90m (9'-6")	3.227m (10'-9")	8-#6 X 2.74m (9'-0")	#3 X 27.43m (90')	8-#6 X 3.05m (10'-0")	#3 X 30.48m (100')
STIFF CLAY	2.13m (7'-0")	2.44m (8'-0")	8-#6 X 1.88m (6'-2")	#3 X 20.12m (66')	8-#6 X 2.29m (7'-6")	#3 X 23.17m (76')
LOOSE SAND	2.74m (9'-0")	3.05m (10'-0")	8-#6 X 2.59m (8'-6")	#3 X 25.91m (85')	8-#6 X 2.90m (9'-6")	#3 X 28.05m (92')
MEDIUM SAND	2.52m (8'-3")	2.74m (9'-0")	8-#6 X 2.44m (8'-0")	#3 X 23.77m (78')	8-#6 X 2.53m (8'-6")	#3 X 25.91m (85')
DENSE SAND	2.36m (7'-9")	2.74m (9'-0")	8-#6 X 2.29m (7'-6")	#3 X 22.75m (73')	8-#6 X 2.59m (8'-6")	#3 X 25.91m (85')
ROCK OR SOLIDIFIED S.S.G.	1.52m (5'-0")	1.52m (5'-0")	NONE	NONE	NONE	NONE



ANCHOR BOLT DETAIL

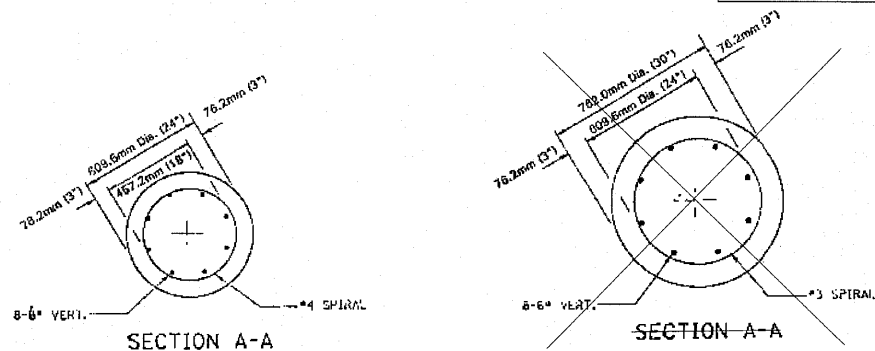


FOUNDATION DETAIL

NOTES

- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- THE DESIGN DEPTH "D" OF FOUNDATION SHALL BE INCREASED BY VALUE OF X ACCORDING TO FIELD CONDITIONS.
- EXCAVATION OF THE PILE FOUNDATION SHALL BE MADE WITH AN AUGER, 609.6mm OR 762.0mm (24" OR 30") IN DIAMETER.
- THE CONTRACTOR SHALL USE #3 SPIRAL AT 152.4mm (6") PITCH OR AT HIS OPTION MAY SUBSTITUTE #3 TIES AT 304.8mm (12") O.C.
- THE ANCHOR SHALL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- 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.
- CONCRETE SHALL BE CLASS SL. THE CONCRETE FOUNDATION MUST BE CURED FOR TEN (10) DAYS BEFORE THE LIGHT STANDARD IS ERECTED.
- THE CALL TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.
- ANCHOR BOLTS SHALL PROJECT 68.9mm (2-3/4") ABOVE THE TOP OF THE FOUNDATION.
- RACEWAYS SHALL PROJECT 25.4mm (1") ABOVE THE TOP OF THE FOUNDATION.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
- REINFORCEMENT BARS SHALL COMPLY WITH ARTICLE 1008.10 OF THE STANDARD SPECIFICATIONS.

FOR INFORMATION ONLY
THIS DETAIL IS APPLICABLE
FOR SOUTH YORK ROAD LIGHTING ONLY
(CITY OF ELMHURST)



SECTION A-A

SECTION A-A

FILE NAME = \$FILCL\$	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT POLE FOUNDATION FOR INFORMATIONAL USE ONLY	F.A.P. RTE. 3537	SECTION (4Y&22-3)R-2	COUNTY DuPage	TOTAL SHEETS 284	SHEET NO. 162	
PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISOR -	REVISOR -			CONTRACT NO. D-91-533-00					
PLOT DATE = \$DATE\$	DATE -	REVISOR -	REVISOR -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			