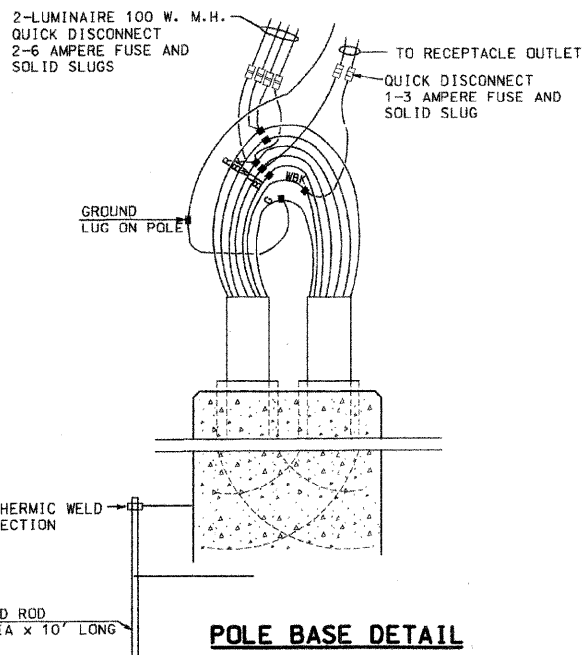
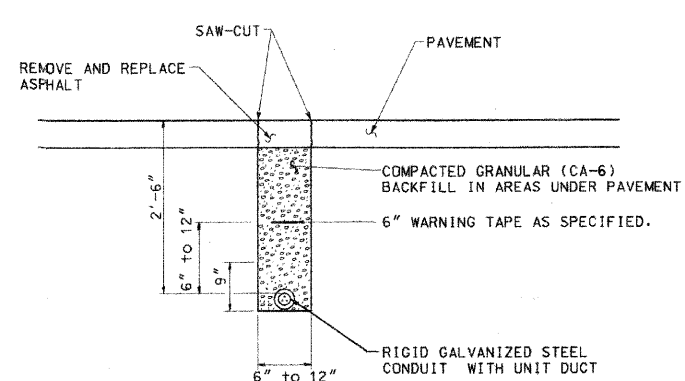


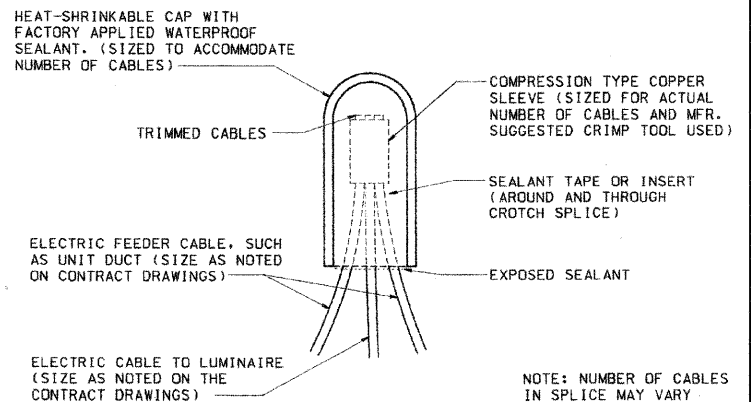
**TRENCH AND BACKFILL**



**POLE BASE DETAIL**

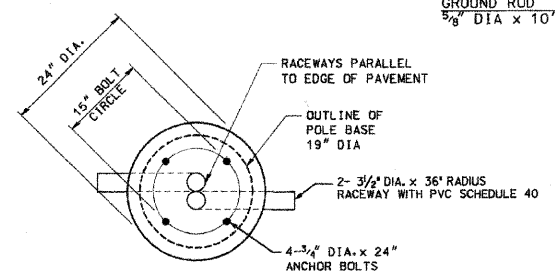


**TRENCH AND BACKFILL UNDER ASPHALT PAVEMENT**

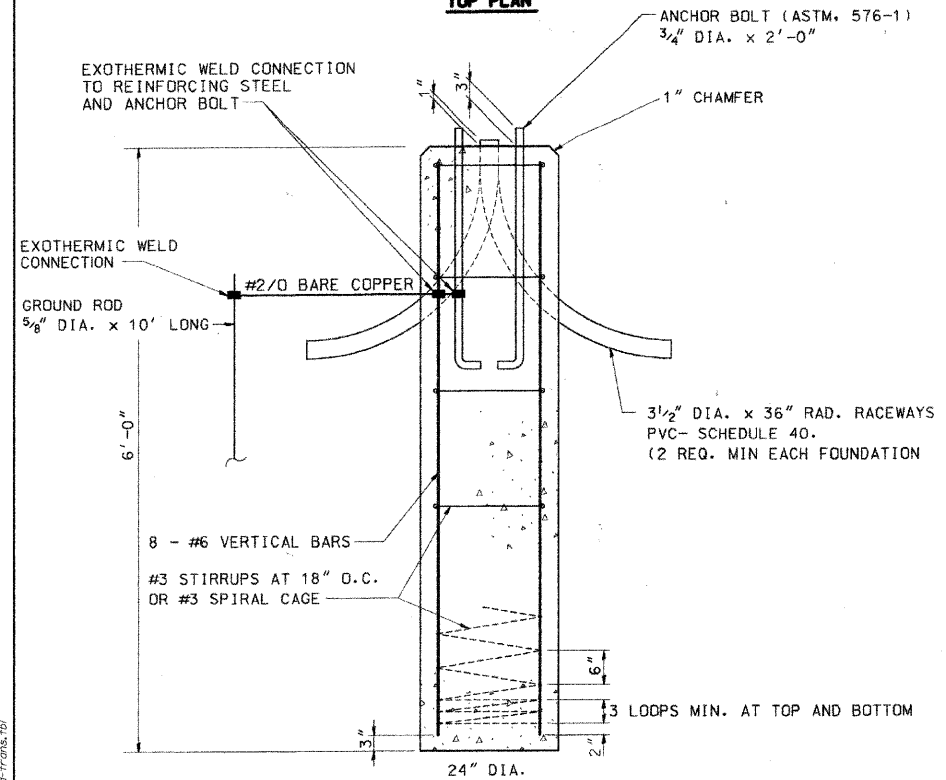


**SPLICING ELECTRIC CABLE**

NOTE: NUMBER OF CABLES IN SPLICE MAY VARY



**TOP PLAN**



**FOUNDATION DETAIL**

**NOTES**

1. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
2. THE DESIGN DEPTH "D" OF FOUNDATION SHALL BE INCREASED BY VALUE OF X ACCORDING TO FIELD CONDITIONS.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" OR 30" IN DIAMETER.
4. THE CONTRACTOR SHALL USE #3 SPIRAL AT 6" PITCH OR AT HIS OPTION MAY SUBSTITUTE #3 TIES AT 12" O/C.
5. THE ANCHOR SHALL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
6. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE
7. 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.
8. CONCRETE SHALL BE CLASS "SI". CONCRETE FOUNDATION MUST BE CURED FOR (10) TEN DAYS BEFORE THE LIGHT STANDARD IS ERECTED.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.
10. ANCHOR BOLTS PROJECTION ABOVE THE TOP OF THE FOUNDATION SHALL BE ACCORDING TO THE REQUIREMENTS OF POLE MANUFACTURER.
11. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
12. THE CONTRACTOR SHALL COORDINATE THE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
13. A MINIMUM OF 3" OF THE THREADING ON THE ANCHOR BOLTS SHALL REMAIN BELOW THE TOP OF THE FOUNDATION.
14. REINFORCEMENT BARS SHALL COMPLY WITH ARTICLE 1006.10 OF THE STANDARD SPECIFICATION.

**FOUNDATION DESIGN TABLE**

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0"	15'-0"	8-#6 X 12'-6"	#3 X 122'	8-#6X14'X3'	#3 X 141'
MEDIUM CLAY	9'-6"	10'-9"	8-#6 X 9'-0"	#3 X 90'	8-#6 X 10'-0"	#3 X 100'
STIFF CLAY	7'-0"	8'-0"	8-#6 X 6'-6"	#3 X 66"	8-#6 X 7'-6"	#3 X 76'
LOOSE SAND	9'-0"	10'-0"	8-#6 X 8'-6"	#3 X 85'	8-#6 X 9'-6"	#3 X 94'
MEDIUM SAND	8'-3"	9'-0"	8-#6 X 8'-0"	#3 X 78'	8-#6 X 8'-6"	#3 X 85'
DENSE SAND	7'-9"	9'-0"	8-#6 X 7'-6"	#3 X 73'	8-#6 X 8'-6"	#3 X 85'
ROCK OR SOLIDIFIED SLAG	5'-0"	5'-0"	NONE	NONE	NONE	NONE

(FROM IDOT STANDARD FOUNDATION DRAWING)

COMPANY NAME: Smith  
PROJECT CONTACT: Smith  
CLIENT: ILLINOIS  
FILE NAME: 090811.LT06.dgn  
PLOT DRIVER: pdf.dwgtojpg  
PEN TABLE: standard-trans.tbl

**SEC Group, Inc.**  
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USER NAME = charlke	DESIGNED - JP	REVISED -
PLOT SCALE = NTS	DRAWN - SP	REVISED -
PLOT DATE = 2/11/2010	CHECKED - TH	REVISED -
	DATE - 2/11/10	REVISED -

**VILLAGE OF MUNDELEIN**

**FOUNDATION AND ELECTRICAL DETAILS  
U.S. ROUTE 45 (LAKE STREET)**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. 121+05 TO STA. 126+25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	12
CONTRACT NO. 63448				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				