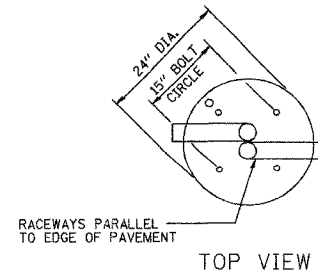


F.A.R. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346	*	COOK/DUPAGE	84	45
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-7003 (857)		

* ELK GROVE VILLAGE 99-00041-00-CH
CONTRACT NO. 83766

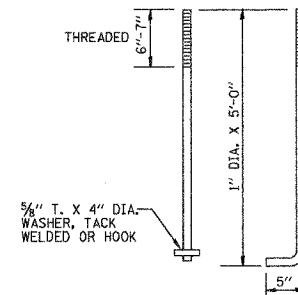
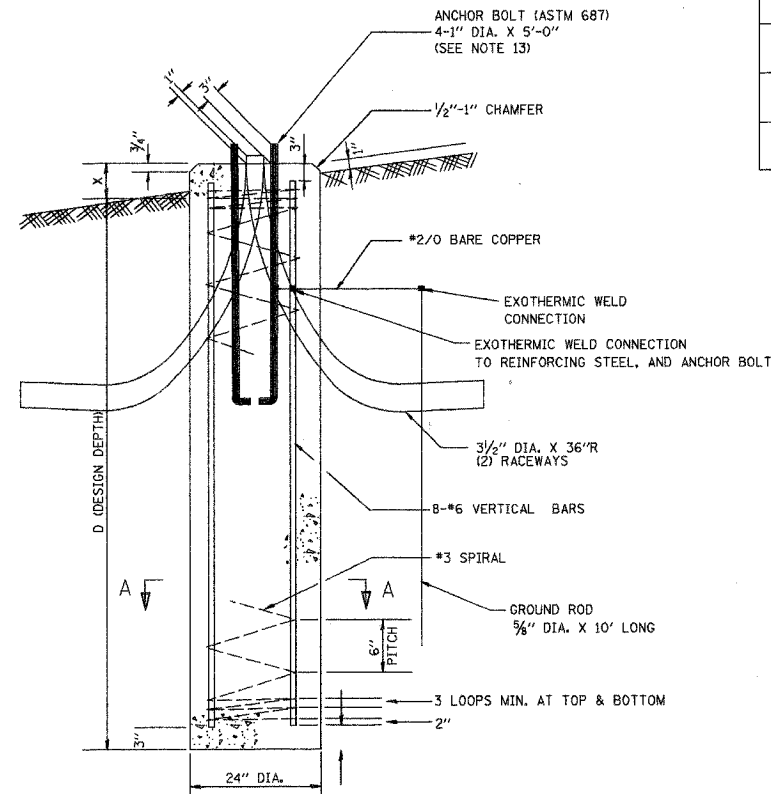


FOUNDATION DESIGN TABLE

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

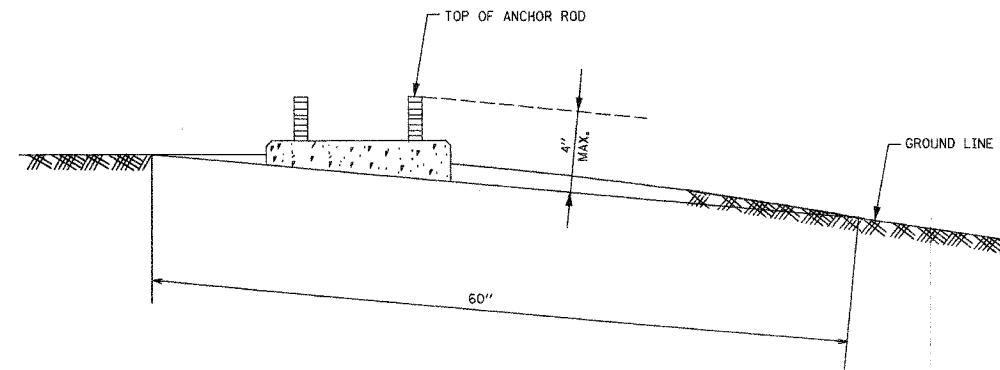
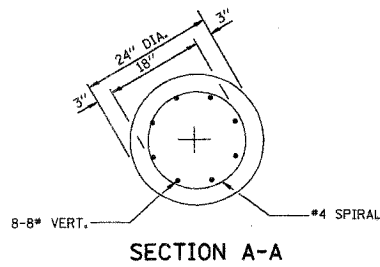
NOTES

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 SHALL PROJECT 3" ABOVE THE TOP OF THE FOUNDATION.
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.



ANCHOR BOLT DETAIL

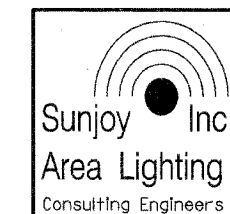
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL

DATE-TIME
DGN-SPEC
VI-BE17

REVISED 9-11-04



ILLINOIS DEPARTMENT OF TRANSPORTATION
ELK GROVE VILLAGE
DEVON AVENUE @ WOOD DALE ROAD/TONNE ROAD
LIGHT POLE FOUNDATION
24" DIAMETER

SCALE: NONE
DATE 04-25-04

DRAWN BY JKM
CHECKED BY