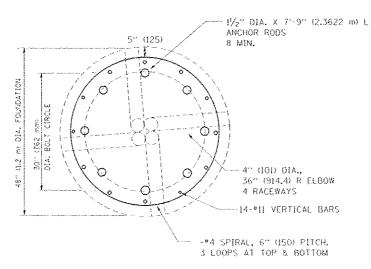
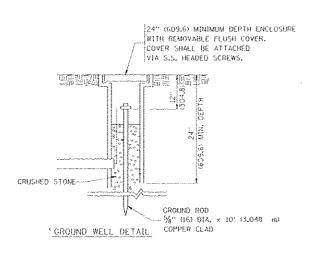
		SHAFT LENGTH	(D) TABLE	
SOIL CONSISTENCY		AVERAGE STRENGTH	LIGHT TOWER M	OUNTING HEIGHT
		Ou In tsf (Ou In kPa)	100 FT. (30 m)	110 FT. (34 m)
COHESIVE.	SOFT	(0.5 ((50)	22'-6" (6.9 m)	24'-0" (7.2 m)
	MUID3M	0.5 TO 1 (50 TO 100)	18'-6" (6.9 m)	19'-0" (5.8 m)
	STIFF	1 TO 2 (100 TO 200)	J5'-6" (4.7 m)	16'-0" (5,5 m)
	VERY STIFF	2 TO 4 (200 TO 400)	13'-6" (d.1 m)	14'-0'' (4,2 m)
	HARD	)4 ()400)	12′-0″ (3,6 m)	12'-6" (3.7 m)
		N In BLOWS/FT. (N in BLOWS/0.3m)		A A A A A A A A A A A A A A A A A A A
GRANUL AR	VERY LOOSE	(5 ((5)	18'~0'' (5.4 m)	18'-6" (5.6 m)
	LOOSE	5 TO 10 (5 TO 10)	16'-6" (4.9 m)	17'-0" (5.1 m)
	MEDIUM	10 TO 25 (10 TO 25)	15'-6" (5.2 m)	16'~0'' (5.9 m)
	DENSE	25 TO 50 (25 TO 50)	15'-0" (4.5 m)	15'-6" (4.6 m)
	VERY DENSE	>50 (>50)	14'-0" (4,2 m)	14'-6" (4.4 m)

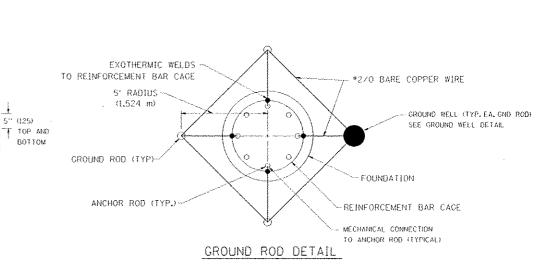


## SECTION-B-B



## DESIGN NOTES

- (I) ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
- (2) THE ANCHOR RODS SHALL BE VERTICAL NO ADJUSTMENT SHALL BE ALLOWED AFTER THE FOUNDATION IS PLACED.
- (3) THE GAP BETWEEN THE FOUNDATION AND THE BASE PLATE SHALL BE ENCLOSED WITH A STAINLESS STEEL SCREEN FASTENED WITH A STAINLESS STEEL BAND.
- (4) THE TOP OF THE FOUNDATION TO 18\* (450) BELOW GRADE SHALL BE FORMED.
- (5) SURFACE WATER WILL NOT BE PERMITTED TO ENTER THE HOLE AND ALL WATER WHICH MAY HAVE INFILTRATED INTO THE HOLE SHALL BE REMOVED BEFORE PLACING CONCRETE.
- (6) THE LIGHT TOWER SHALL NOT BE ERECTED UNTIL AFTER THE CONCRETE HAS BEEN CURED ACCORDING TO ARTICLE 1020.13.
- (7) ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO AASHTO M 314 OR ASTM F1554, GRADE 725(GRADE 105) AND CALVANIZED ACCORDING TO ARTICLE 1006.9.
- (8) ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED FOR APPROVAL WITH TOWER MANUFACTURER REQUIREMENTS.
- (9) REINFORCEMENT BARS SHALL BE ACCORDING TO ARTICLE 1006.10
- (III) TWO ANCHOR RODS OPPOSITE EACH OTHER SHALL, HAVE THE ANCHOR ROD THREADS PEENED AFTER NUTS ARE INSTALLED.
- (B) A MINIMUM OF THREE FULL THREADS SHALL REMAIN EXPOSED AFTER LIGHT TOWER IN INSTALLED.
- (12) ALL GROUNDING INDICATED IN THE PLANS SHALL BE INCLUDED IN THE COST OF THE LIGHT TOWER FOUNDATION AND SHALL NOT BE PAID FOR SEPARATELY.



FRE BOME :	USER NAME / drawakosge	DESIGNED -	REVISED - P. TOMSONS 04-22-02
cs/pr, work/prisdos/drsvokoogs/d8188315/br	5¥1.dgn	ORAWN -	REVISED R. TOMSONS 03-12-10
	PLO: SCALE - SESSES 17 DE	CHECKED	REVISED - R. TOMSONS 09-02-10
	8701 0016 - JASIASAIQ	DATE	REVISED -

STATI	E Of	ILLINOIS
DEPARTMENT	OF	<b>TRANSPORTATION</b>

BASE PLATE 7

SEE NOTE 11

В

(2,3622

MECHANICAL CONNECTION -TO ANCHOR RODS

\*2/0 BARE COPPER WIRE -

EXOTHERMIC WELD -

CONNECTION

4-%" (16) DIA, X 10' (3,048 m) LONG GROUND RODS EQUALLY SPACED IN A 10' (3,048 m) DIAMETER CIRCLE EXOTHERMICALLY

CONNECTED TOCETHER WITH A

"2/O BARE COPPER WIRE
(SEE GROUND ROD DETAIL)

EXOTHERMIC WELD

CONNECTION TO REINFORCING STEEL 12" (304.8)

FOUNDATION

ELEVATION

SCALE: NONE

RACEWAY PROJECTION

18" (457)

SEE ANCHOR BOLT CAGE WELDMENT DETAIL SHEET 2

HIGH MAST LIGHT TOWER		SECTION	COUNTY	TOTAL SHEET SHCETS NO.
FT TO 110 FT (27 m TO 34 m) FOUNDATION DETAIL	338	(112 & 113) WRS-5	DUPAGE	963 715
FI TO 110 FT (2) III TO 34 BY FUNRIMINION DETAIL		BE-501	CONTRACT	NO.60131
SHEET NO. 1 OF 2 SHEETS STA. TO STA.	CEO B	OAD DIST SO : INTROSS FED AL	D PROJECT	The residence of the second se