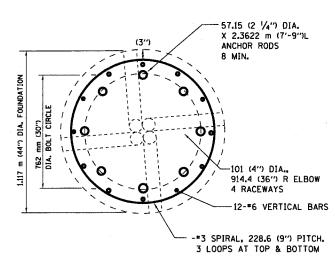
F. A.	SECTION		COUNTY	TOTAL SHEETS	54EE
94	2005-037L		COOK	45	24
STA.	2021+00.	00 1	O STA. 2	2365+00.	00
FEO. 1040 DIST. NO. 7 BLIM		KLINGS	5	FED. AID PROJECT	

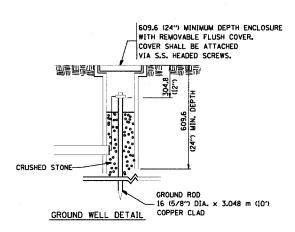
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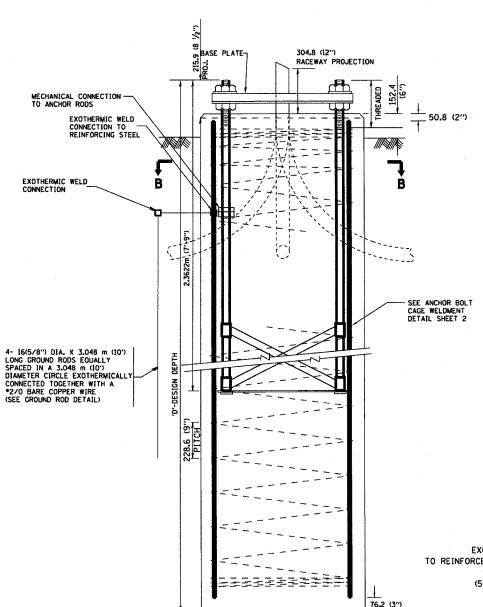
LIGHT TOWER FOUNDATION DEPTH "D"

MOUNTING HEIGHT	SOIL CONDITIONS								
	SOFT CLAY Qu = 0.375 TON/SO. FT	MEDIUM CLAY Qu = 0.75 TON/SQ. FT	STIFF CLAY Qu = 1.50 TON/SQ. FT	LOOSE SAND Ø = 34°	MEDIUM SAND Ø = 37.5°	DENSE SAND Ø = 40°			
27m	8.779m	6.035m	4.389m	4.389m	3.840m	3.429m			
(90 ft)	(29 ft)	(20 ft)	(15 f+)	(15 ft)	(13 ft)	(12 f+)			
30m	9.754m	6.706m	4.877m	4,877m	4.267m	3,81m			
(100 ft)	(32 ft)	(22 ft)	(16 ft)	(16 ft)	(14 ft)	(13 ft)			
33m	10.719m	7.377m	5.365m	5.365m	4.694m	4.191m			
(110 f+)	(35 ft)	(24 ft)	(18 f+)	(18 ft)	(15 ft)	(14 f+)			
36m	11.705m	8.046m	5.652m	5.652m	5.120m	4.572m			
(120 ft)	(38 f+)	(26 ft)	(19 ft)	(19 ft)	(17 ft)	(16 ft)			



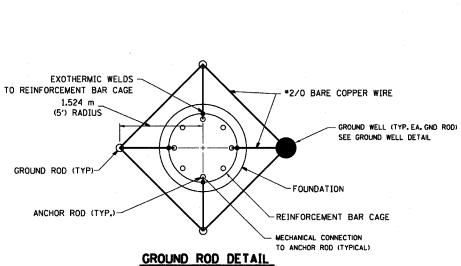
SECTION-B-B





DESIGN NOTES

- (1) ALL DIMENSIONS IN MILLIMETERS (INCHES) 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 450 (88") 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 GALVANIZED 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
- (IO) TWO ANCHOR RODS OPPOSITE EACH OTHER SHALL
 HAVE THE ANCHOR ROD THREADS PEENED AFTER NUTS
 ARE INSTALLED.



FOR INFORMATION ONLY

1,117 m (44")
FOUNDATION

ELEVATION

REVISIONS

NAME

DATE

TO 36m (90FT TO 120FT)

FOUNDATION DETAIL

SHEET 1 OF 2

SCALE: NONE

DATE

DATE

DATE

SCALE: 4/13/2005

CHECKED BY

4/13/2005 K:\diststd\be501.dgn VI=BE8 RF501