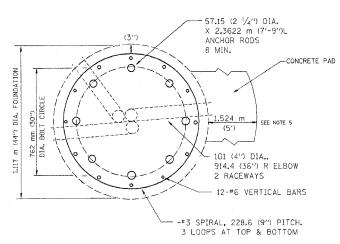
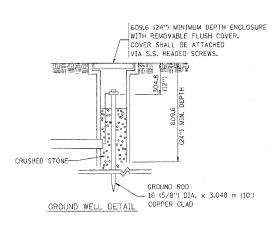
F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
290	0305-302K-L-3	COOK	55	39
STA.	Т	O STA.		

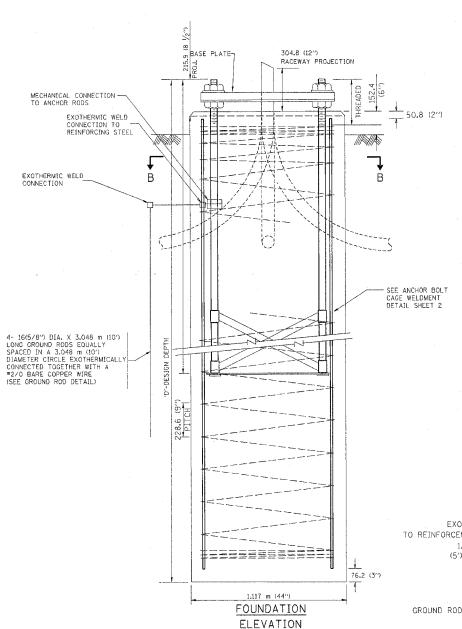
LIGHT TOWER FOUNDATION DEPTH "D"

MOUNTING HEIGHT	SOIL CONDITIONS							
	SOFT CLAY Qu = 0.375 TON/SQ. 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 ft)	(15 ft)	(13 ft)	(12 ft)		
30m	9.754m	. 6.706m	4.877m	4,877m	4.267m	3,81m		
(100 ft)	(32 ft)	(22 ft)	(16 f†)	(16 ft)	(14 f+)	(13 ft)		
33m	10.719m	7.377m	5.365m	5.365m	4.694m	4.191m		
(110 ft)	(35 ft)	(24 f+)	(18 f†)	(18 ft)	(15 f+)	(14 ft)		
36m	11.705m	8.046m	5.652m	5.652m	5.120m	4.572m		
(120 ft)	(38 ft)	(26 ft)	(19 ft)	(19 ft)	(17 ft)	(16 ft)		



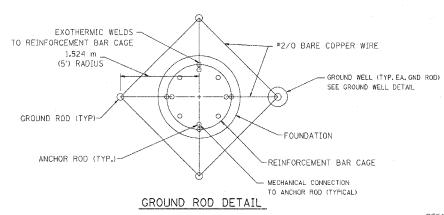
SECTION-B-B





DESIGN NOTES

- (1) ALL DIMENSIONS IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN
- (2) THE HOLE FOR THE FOUNDATION SHALL BE ACCORDING
- (3) THE ANCHOR RODS SHALL BE VERTICAL NO ADJUSTMENT SHALL BE ALLOWED AFTER THE FOUNDATION IS PLACED.
- (4) THE GAP BETWEEN THE FOUNDATION AND THE BASE PLATE SHALL BE ENCLOSED WITH A STAINLESS STEEL SCREEN FASTENED WITH A STAINLESS STEEL BAND.
- (5) THE TOP OF THE FOUNDATION TO 450 (18") BELOW GRADE SHALL BE FORMED.
- (6) A CONCRETE WORK PAD SHALL BE PROVIDED AS INDICATED IN THE PLANS AS A PART OF THIS ITEM.
- (7) 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.
- (8) THE LIGHT TOWER SHALL NOT BE ERECTED UNTIL AFTER THE CONCRETE HAS BEEN CURED ACCORDING TO ARTICLE 1020.13.
- (9) 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.
- (IO) ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED FOR APPROVAL WITH TOWER MANUFACTURER REQUIREMENTS.
- (II) REINFORCEMENT BARS SHALL BE ACCORDING TO ARTICLE 1006,10
- (12) TWO ANCHOR RODS OPPOSITE EACH OTHER SHALL HAVE THE ANCHOR ROD THREADS PEENED AFTER NUTS ARE INSTALLED.



REVISIONS

NAME

DATE

TO 36m (90FT TO 120FT)

FOUNDATION DETAIL

SHEET 1 OF 2

SCALE: NONE

DATE

DAT

*DATE-TIME *DGN-SPEC

REVISION DATE: 04/22/02