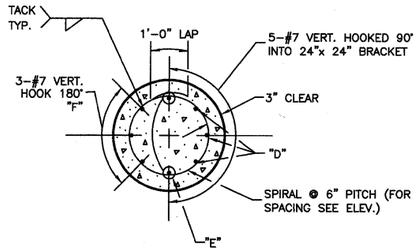
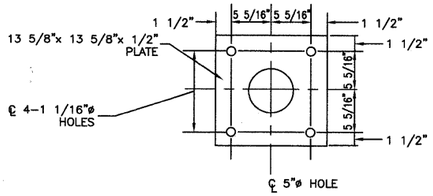
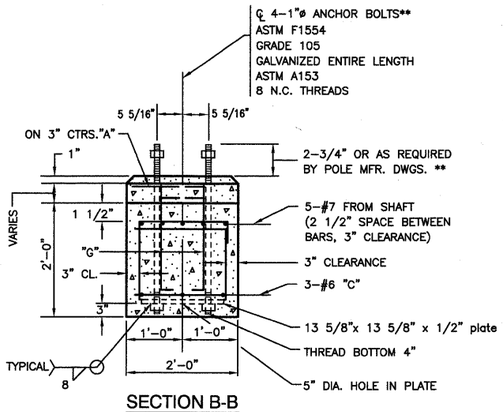
SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12



SECTION A-A



ANCHOR BOLT PLATE



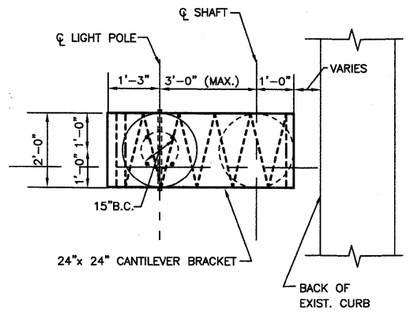
SECTION B-B

**NOTE:
THE TOP OF THE ANCHOR BOLTS SHOULD NOT PROJECT MORE THAN 4" ABOVE A 60" CHORD ALIGNED RADIALLY TO THE CENTERLINE OF THE HIGHWAY AND CONNECTING ANY POINT WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.

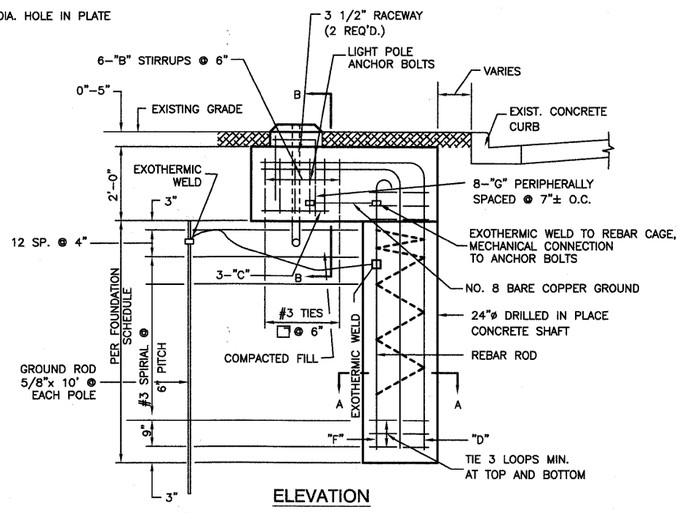
NOTE:

1. CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS SI)
2. REINFORCING BARS SHALL BE OF NEW BILLET STEEL ASTM M42M (M42) AND DEFORMED
3. HOLE FOR THE FOUNDATION (SHAFT) SHALL BE AUGERED
4. POLE FOUNDATION, OFFSET FOR THIS APPLICATION IS EQUIVALENT TO 13.5 LIN.FT. PER FOUNDATION.
5. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES 12" O.C. WITH THE APPROVAL OF THE ENGINEER

BILL OF MATERIALS "LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET"				
QUAN.	MARK	SIZE	LENGTH	SHAPE
11	A	NO.3	5'-9"	
6	B	NO.3	6'-8"	
3	C	NO.6	5'-31/2"	
8	G	NO.6	2'-1"	
3	D	NO.7	13'-6"	
2	E	NO.7	12'-0"	
3	F	NO.7	9'-11"	
REINFORCING BARS LBS.				285
CLASS X CONCRETE CU.YDS.				1.7
ANCHOR BOLTS NO.				4
ANCHOR BOLT PLATE NO.				1

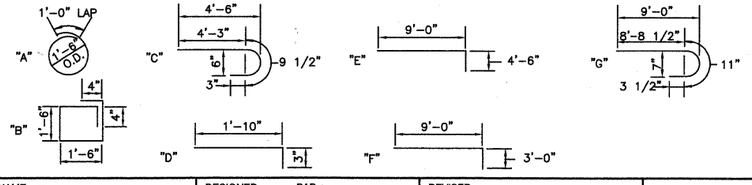


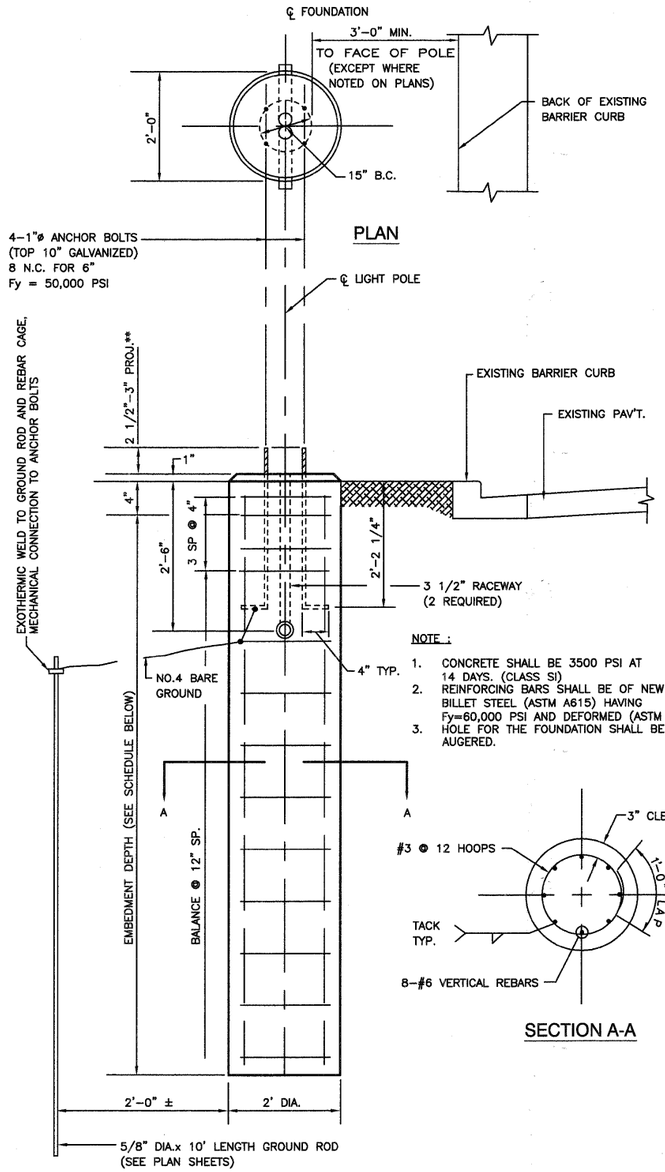
PLAN - CANTILEVERED BRACKET



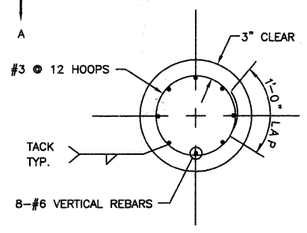
ELEVATION

POLE FOUNDATION, OFFSET - DETAILS





NOTE :
1. CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS SI)
2. REINFORCING BARS SHALL BE OF NEW BILLET STEEL (ASTM A615) HAVING Fy=60,000 PSI AND DEFORMED (ASTM A307)
3. HOLE FOR THE FOUNDATION SHALL BE AUGERED.



SECTION A-A

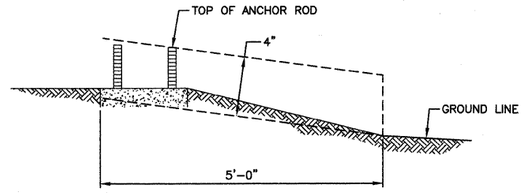
*NOTE:
ACTUAL FOUNDATION DEPTH IS EMBEDMENT DEPTH (FROM SCHEDULE) PLUS 6" EQUALS TOTAL DEPTH.
7'-6"+6"= 8'-0" FOR 40' MH
10'-0"+6"=10'-6" FOR 47.5' MH

ELEVATION

LIGHT POLE FOUNDATION (TYPICAL)

FOUNDATION SCHEDULE

TYPE OF SOILS		EMBEDMENT MOUNTING HEIGHT			
DESCRIPTION	STANDARDS	30 FT.	35 FT.	40 FT.	47.5 FT.
SOFT CLAY	Qu= .25-.50 T/FT.^{2}	9'-0"	9'-8"	10'-6"	14'-0"
MEDIUM CLAY	Qu= .50-1.0 T/FT.^{2}	6'-6"	7'-0"	7'-6"*	10'-0"*
DENSE CLAY	Qu= 1.0-2.0 T/FT.^{2}	5'-6"	6'-0"	6'-6"	8'-6"
LOOSE SAND	N= 4-10	7'-0"	7'-8"	8'-4"	11'-0"
MEDIUM SAND	N= 10-30	6'-0"	6'-6"	7'-3"	9'-6"
DENSE SAND	N= 30-50	5'-6"	6'-0"	6'-6"	8'-6"



**NOTE:
THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4") ABOVE THE FINISHED GRADE WITHIN A 1.5M (60") CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. SEE FOUNDATION EXTENSION DETAIL.

FOUNDATION EXTENSION DETAIL

PLAN: SURVEYED, PLOTTED, DRAWN, CHECKED, RT. OF WAY, CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, DRAWN, CHECKED, B.M. NOTED, NOTE BOOK

FILE NAME = 09353-LGHT-03 - P02	USER NAME =	DESIGNED — PAP	REVISED —
		CHECKED — PKB	REVISED —
	PLOT SCALE = N/A	DRAWN — MJD	REVISED —
	PLOT DATE = 12/23/10	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET
EXISTING & PROPOSED STREET LIGHTING - LIGHTING DETAILS
SCALE: N/A | SHEET NO. 84 OF 209 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	84
		CONTRACT NO. 63556		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT CRE-9003(709)		

ST SAVED BY: RICHARDEK ON 12/17/10
CTTED BY: RICHARD ECKSTEIN ON 2/9/11