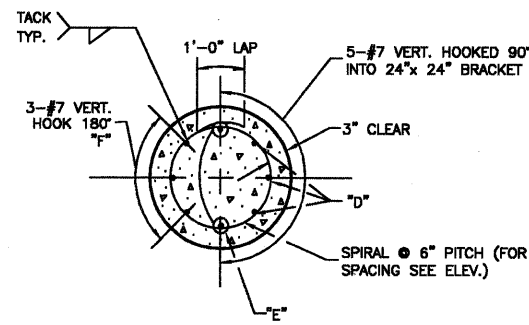
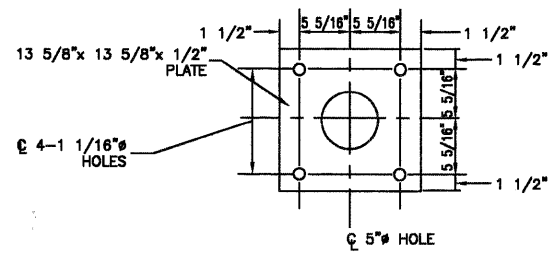


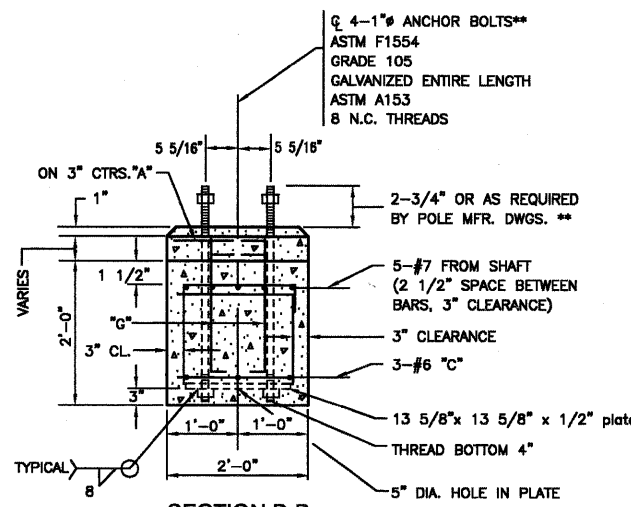
SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12



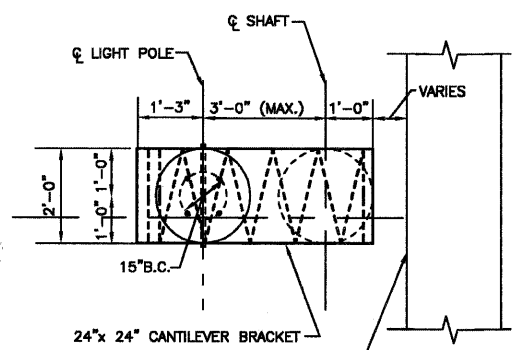
SECTION A-A



ANCHOR BOLT PLATE



SECTION B-B

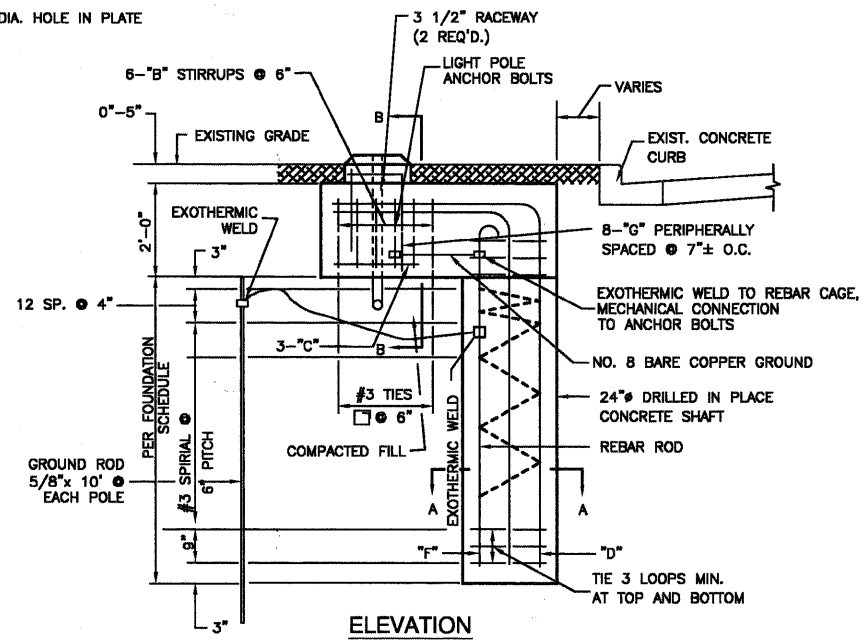


PLAN - CANTILEVERED BRACKET

****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.

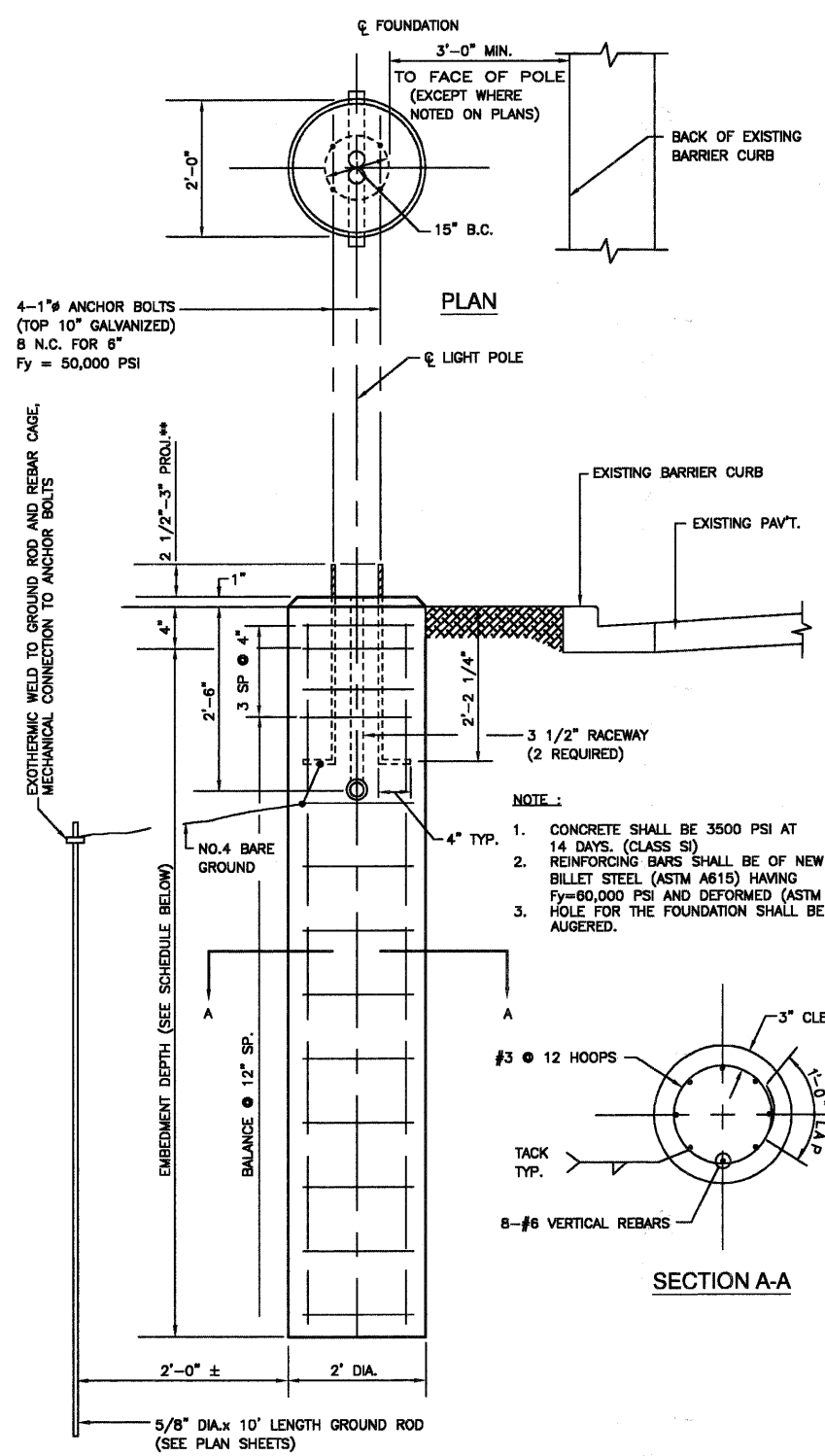
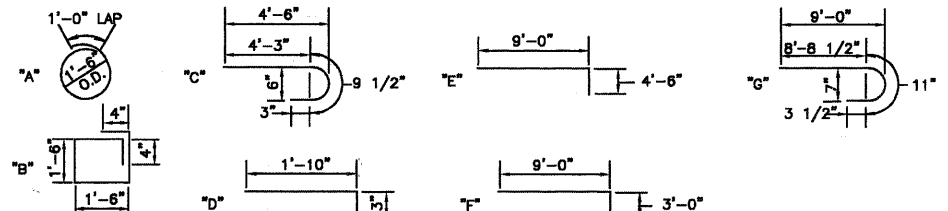
- NOTE:**
1. CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS SI)
 2. REINFORCING BARS SHALL BE OF NEW BILLET STEEL ASTM M42M (M42) AND DEFORMED
 3. HOLE FOR THE FOUNDATION (SHAFT) SHALL BE AUGERED
 4. POLE FOUNDATION, OFFSET FOR THIS APPLICATION IS EQUIVALENT TO 13.5 LIN.FT. PER FOUNDATION.
 5. THE CONTRACTOR 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	



ELEVATION

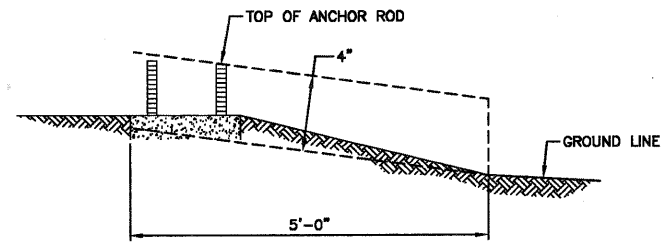
POLE FOUNDATION, OFFSET - DETAILS



ELEVATION

LIGHT POLE FOUNDATION (TYPICAL)

****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



****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

FOUNDATION SCHEDULE				
DESCRIPTION	STANDARDS	EMBEDMENT		
		30 FT.	35 FT.	40 FT.
SOFT CLAY	Qu= 25-30 T/FT. 2	9'-0"	9'-6"	10'-0"
MEDIUM CLAY	Qu= 50-1.0 T/FT. 2	8'-6"	7'-0"	7'-6"
DENSE CLAY	Qu= 1.0-2.0 T/FT. 2	8'-0"	8'-0"	8'-6"
LOOSE SAND	N= 4-10	7'-0"	7'-6"	8'-4"
MEDIUM SAND	N= 10-30	6'-0"	6'-6"	7'-3"
DENSE SAND	N= 30-50	5'-6"	6'-0"	6'-6"

DATE	BY	DATE	BY
DATE	BY	DATE	BY

DATE	BY	DATE	BY
DATE	BY	DATE	BY

FILE NAME = 06883-LIGHT-02-P02

USER NAME =	DESIGNED - PAP	REVISED -
PLOT SCALE = N/A	CHECKED - PKB	REVISED -
PLOT DATE = 12/23/10	DRAWN - MJD	REVISED -
	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	06-0050-00-GS	COOK	209	84
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-903(709)				