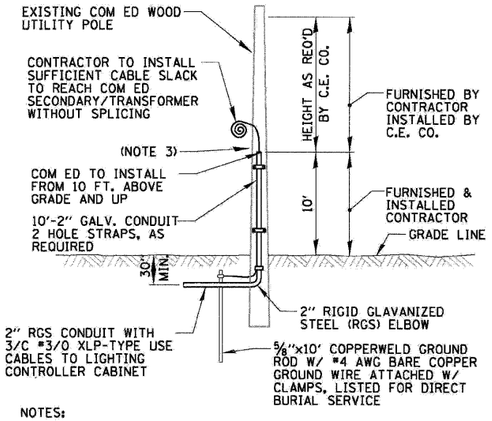
CONTRACT NO. 62882

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	•	McHENRY	502	322
STA. 9+35.22		TO STA.142+08.53		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

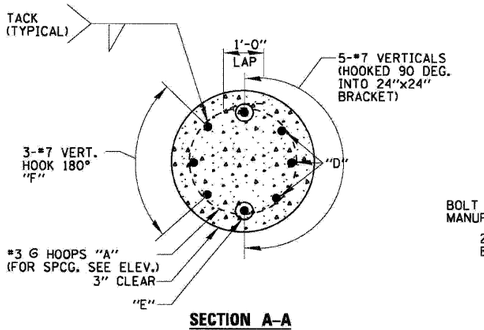


NOTES:

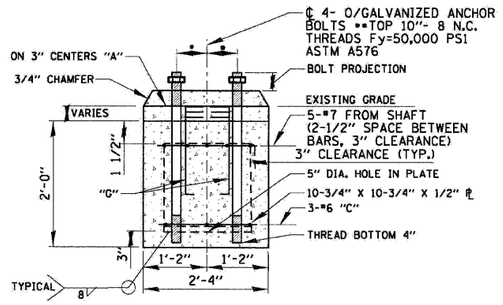
1. ALL WORK SHALL CONFORM TO COM ED'S BOOK OF "INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRIC SERVICE."
2. FURNISHING AND INSTALLING ALL MATERIAL SHOWN ABOVE (EXCEPT FOR POLE) SHALL BE INCLUDED IN THE PRICE BID FOR "ELECTRIC SERVICE INSTALLATION". THE HORIZONTAL SERVICE CONDUIT AND WIRING FROM POLE TO CONTROLLER SHALL BE PAID FOR SEPARATELY.
3. CONTRACTOR TO PROVIDE A CONDUIT BUSHING AND SEALING COMPOUND AT TOP OF RISER.

COM ED OVERHEAD CONNECTION POLE

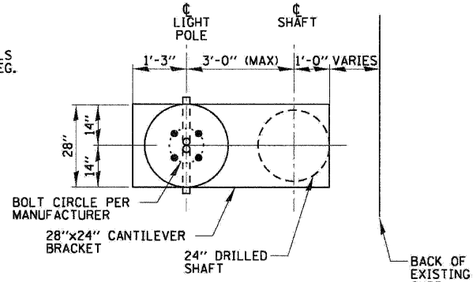
N.T.S.



SECTION A–A



SECTION B–B

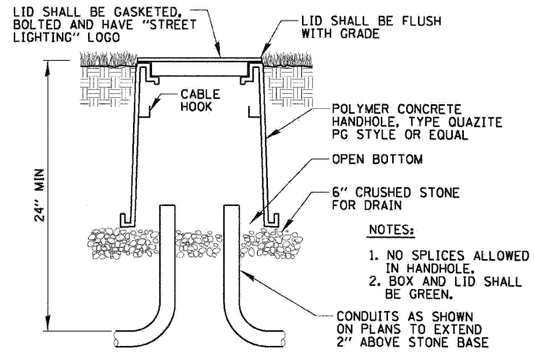


PLAN–CANTILEVERED BRACKET

NOTES:

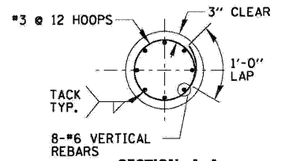
- BOLT CIRCLE PER MANUFACTURER
- •• THE TOP OF THE ANCHOR BOLTS SHALL NOT PROJECT MORE THAN 4" ABOVE A 60" CHORD ALIGNED RADIALLY TO THE CENTERLINE OF THE ROADWAY, AND CONNECTING ANY POINT, WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.

1. CONCRETE SHALL BE 3500 PSI AT 14 DAYS
2. HOLE FOR FOUNDATION SHAFT SHALL BE AUGERED
3. REINFORCING BARS SHALL CONFORM TO BILLET STEEL BARS. (ASTM-A615) SPECIFICATIONS WITH A 6000 PSI MINIMUM YIELD STRENGTH.
4. FOUNDATION AS SHOWN REPRESENTS 13.0 LINEAL FEET FOR LIGHT POLE FOUNDATION, OFFSET, 24" DIAMETER.
5. GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8 FEET IN CONTACT WITH SOIL & SHALL BE INCIDENTAL TO THE FOUNDATION.
6. USE THIS OFFSET FOUNDATION FOR POLES WHERE INDICATED ON THE LIGHTING PLAN SHEETS.
7. FOUNDATINS SHALL NOT PROTRUDE MORE THAN 4" ABOVE FINISHED GRADE INCLUDING ANCHOR RODS.
8. 3" PVC RACEWAY FOR UNITDUCT RUNS; AND 2" PVC FOR 2" RGS CONDUIT RUNS WITH THREADED CONNECTION.

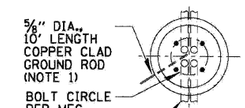


COMPOSITE CONCRETE HANDHOLE DETAIL

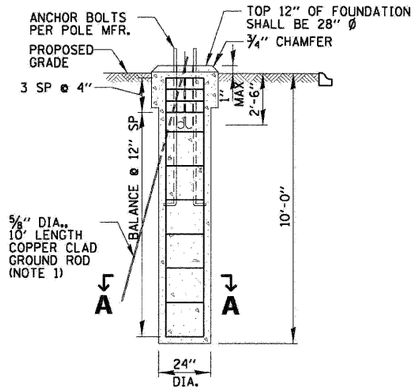
N.T.S.



SECTION A–A



PLAN

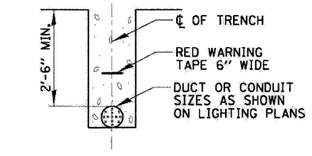


NOTES:

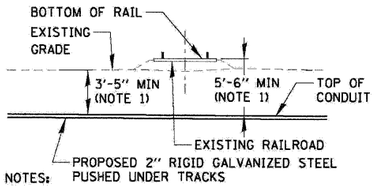
1. GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8 FEET IN CONTACT WITH SOIL & SHALL BE INCIDENTAL TO THE FOUNDATION.
2. FOUNDATION WILL BE PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL".
3. USE THIS FOUNDATION FOR ALL LIGHT POLES, UNLESS OTHERWISE INDICATED, ON LIGHTING PLAN SHEETS.
4. FOUNDATINS SHALL NOT PROTRUDE MORE THAN 4" ABOVE FINISHED GRADE INCLUDING ANCHOR RODS.
5. 3" PVC RACEWAY FOR UNITDUCT RUNS; AND 2" PVC FOR 2" RGS CONDUIT RUNS WITH THREADED CONNECTION.

CONCRETE FOUNDATION DETAIL

N.T.S.



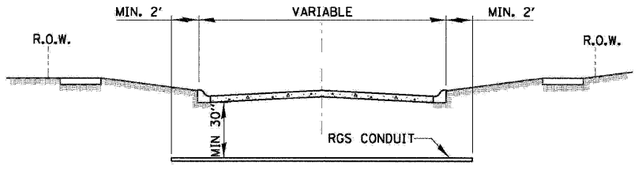
TRENCH CROSS SECTION



NOTES:

1. ALL CONDUIT IN RAILROAD R.O.W. OR UNDER TRACKS SHALL BE 2" RGS PUSHED A MINIMUM OF 5'-6" BELOW BASE RAIL AND A MINIMUM OF 3'-5" BELOW SURROUNDING GRADE; AND SHALL BE INSTALLED PER UNION PACIFIC RAILROAD COMPANY REQUIREMENTS
2. ALL PROPOSED CONDUITS SHALL CROSS TRACKS PARALLEL TO ROADWAY

SECTION AT RAILROAD



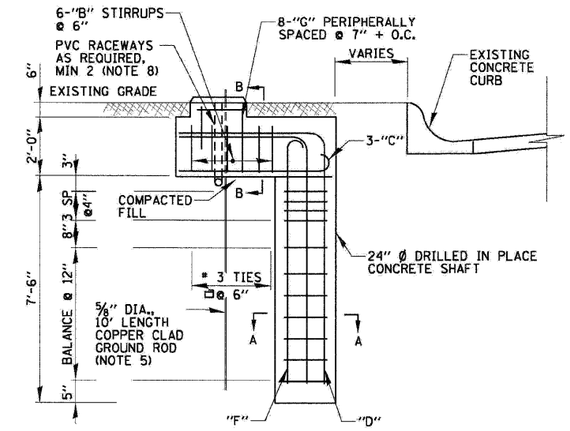
STREET CROSSING

① CONDUIT SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.
② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
③ CONDUIT SHALL BE A MINIMUM OF 30" BELOW CURB BOTTOM.

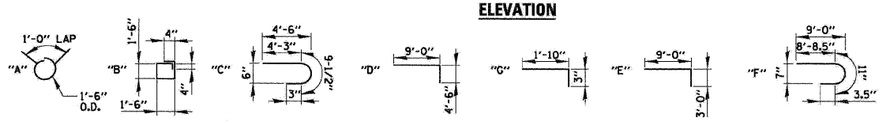
ELECTRIC CONDUIT DETAIL

N.T.S.

BILL OF MATERIALS				
QUAN.	MARK	SIZE	LENGTH	SHAPE
11	A	#3	5'-9"	
6	B	#3	6'-8"	
3	C	#6	5-3½"	
8	D	#6	2'-1"	
3	E	#7	13'-6"	
2	F	#7	12'-0"	
3	G	#7	9'-11"	
REINFORCING BARS LBS.				285
CLASS X CONC. CU. YDS.				1.7
ANCHOR BOLTS NO.				4
ANCHOR BOLT PLATE NO.				1



ELEVATION



OFFSET CONCRETE FOUNDATION DETAIL

N.T.S.

REVISIONS	
NAME	DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47
ROADWAY LIGHTING DETAILS (2 OF 3)

SCALE: N.T.S. DRAWN BY: AJD
DATE: 2/11/2009 CHECKED BY: AJD

PLOT DATE = Wednesday, August 05, 2009
FILE NAME = S:\11-CAD\01-sht\322_sheet_LBBEL_86.dgn
PLOT SCALE = 1i
USER NAME = 3630