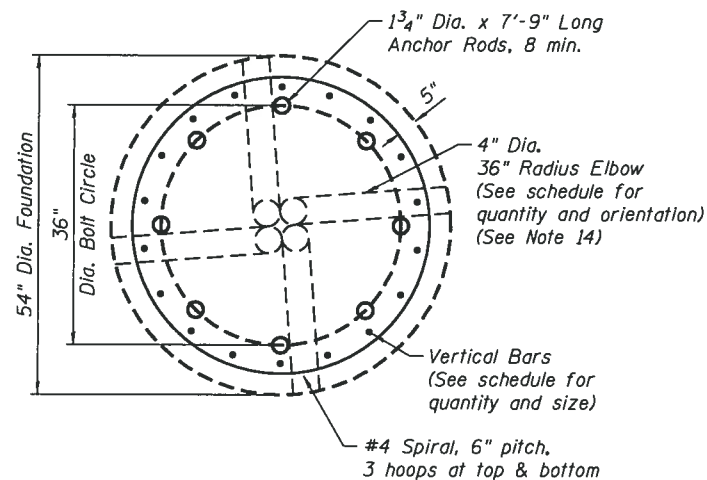
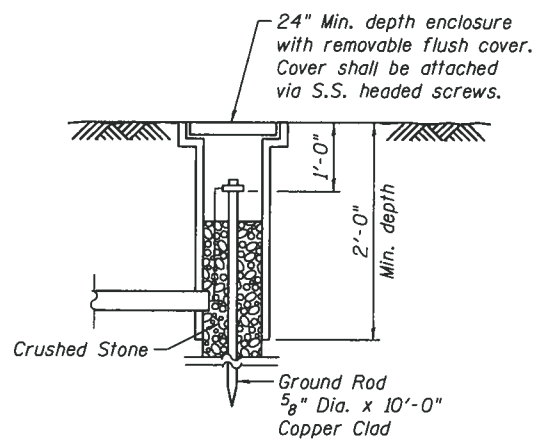


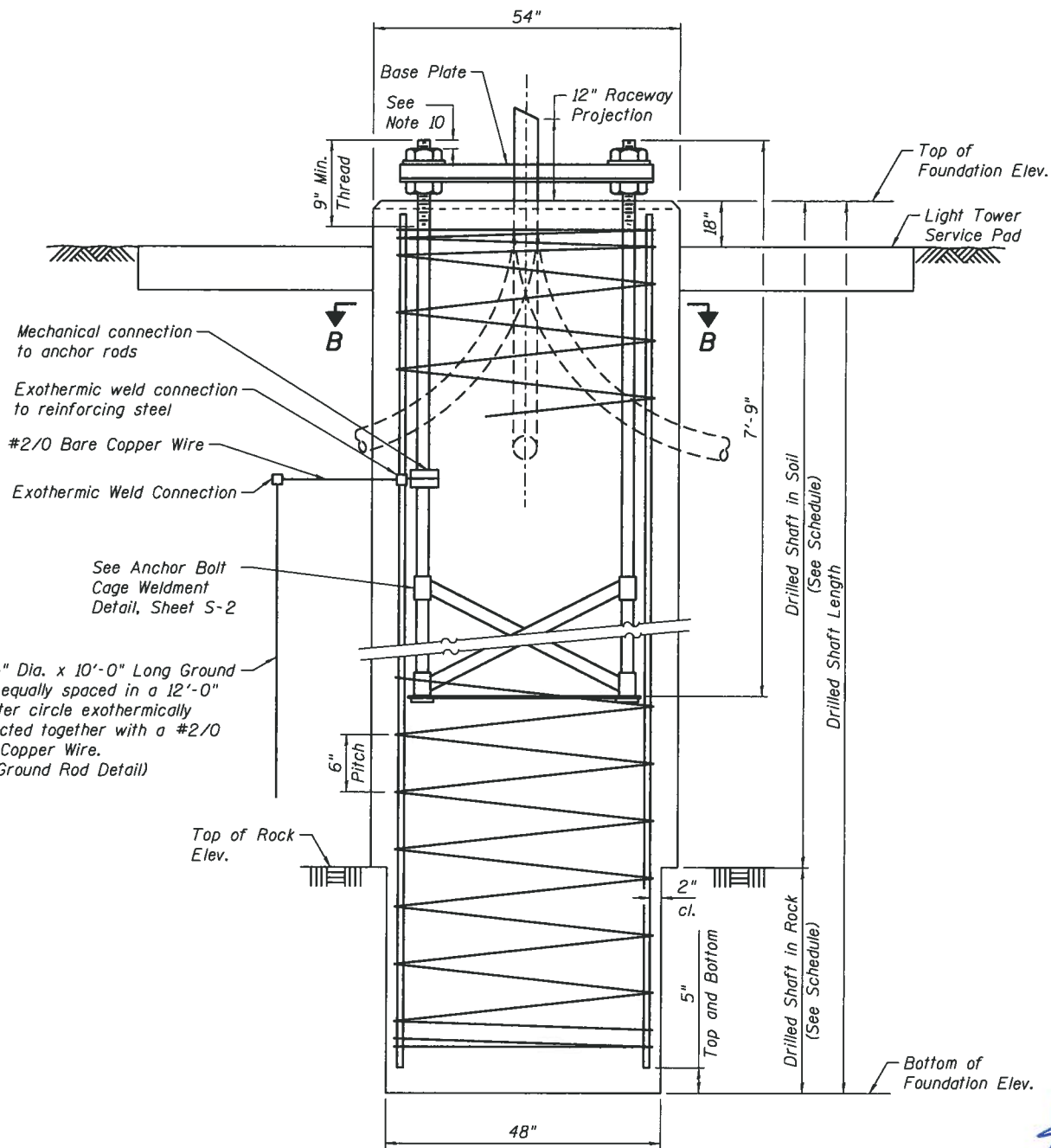
GROUND ROD DETAIL



SECTION B-B



GROUND WELL DETAIL

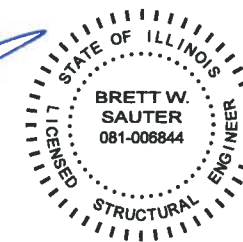


FOUNDATION ELEVATION

NOTES:

1. The anchor rods shall be vertical. No adjustment shall be allowed after the foundation is placed.
2. The gap between the foundation and the base plate shall be enclosed with a stainless steel screen fastened with a stainless steel band.
3. The top of the foundation to 18" below grade shall be formed.
4. 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.
5. The light tower shall not be erected until after the concrete has been cured according to Article 1020.13.
6. 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 1006.09.
7. Anchor Rod information shall be submitted for approval and shall be fully coordinated for approval with tower manufacturer requirements.
8. Reinforcement bars shall be according to Article 1006.10.
9. Two Anchor Rods opposite each other shall have the anchor rod threads peened after nuts are installed.
10. A minimum of three full threads shall remain exposed after light tower is installed.
11. All grounding indicated in the plans shall be included in the cost of the light tower foundation and shall not be paid for separately.
12. Cut nuts, or jam nuts, are not allowed.
13. Work this sheet with sheets S-2 and S-3.
14. Conduit Raceway Shall Extend 18" beyond the edge of Concrete Service Pad.
15. Splices for spiral reinforcement shall be lap spliced 2'-0" min. or welded.
16. The length of the vertical reinforcement bars shall be the Drilled Shaft Length minus 5".
17. If field conditions dictate a shorter Drilled Shaft Length than shown in the table, the Contractor shall cut reinforcement bars to the required length. If the Drilled Shaft Length is longer than indicated the Contractor may raise the bars a maximum of 2'-0" above the Bottom of Foundation Elevation. Lap Splices are required for length increases in excess of 2'-0". Cost included in the pay item for "Light Tower Foundation".

Brett W. Sauter



DATE: 2/13/2012
SEAL EXPIRES: 11/30/2012

NA:PROJ\00003384\00\6_High_Mast_Structural\CAD\00003384_06_01_High_Mast_Light_Tower_1.dgn



USER NAME = rdanley	DESIGNED - SMY	REVISED -
PLOT SCALE = 0:2.0000 1' / 1in.	CHECKED - BWS	REVISED -
PLOT DATE = 2/13/2012	DRAWN - RD	REVISED -
	CHECKED - BWS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 80 AT U.S. ROUTE 30 LIGHTING
LIGHT TOWER FOUNDATION, 54" DIAMETER

SHEET NO. S-1 OF S-17 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2011-046-L	WILL	106	68
				CONTRACT NO. 60P56

ILLINOIS FED. AID PROJECT