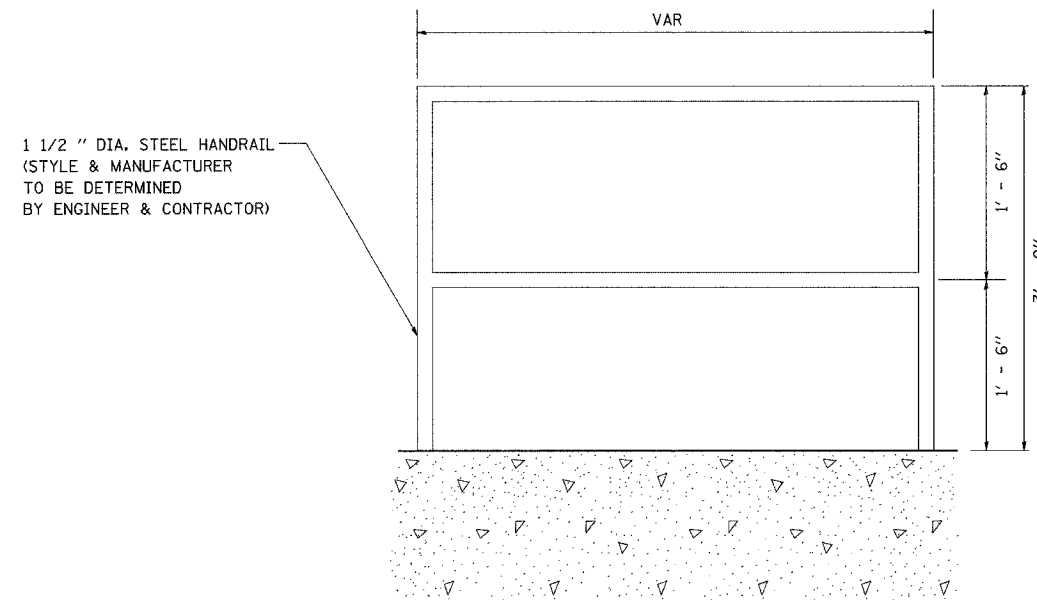


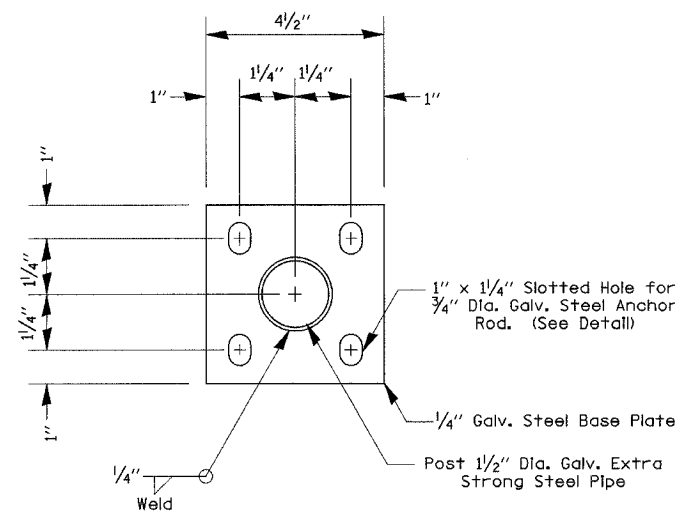
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	11T	CARROLL	79	50
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PIPE HANDRAIL DETAIL



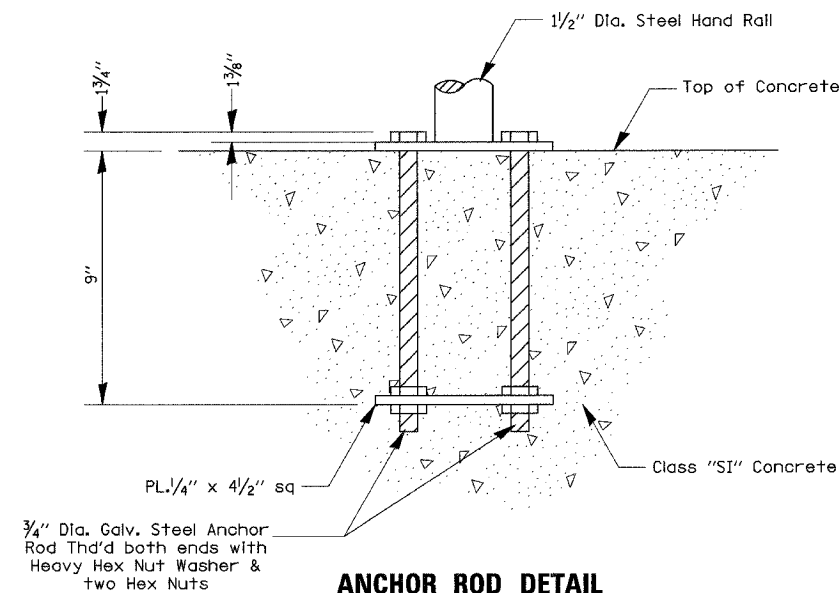
GENERAL NOTES:

- ALL HANDRAIL DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO FABRICATION OF PIPE HANDRAIL, BASED UPON FINAL LOCATION OF MOUNTING BOLTS.
- HANDRAIL SHALL CONFORM TO SECTION 510 WITH THE EXCEPTION THAT ALL PIPE AND CONNECTIONS SHALL BE WELDED GALVANIZED OR ALUMINUM ACCORDING TO ARTICLE 1006.27, 1006.30, OR 1006.34.
- THE DIAMETER OF THE GRIPPING SURFACE OF THE HANDRAIL SHALL BE 1-1/4" TO 1-1/2"
- ENDS OF HANDRAIL SHALL BE ROUNDED.
- HAND & SAFETY RAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- GRIPPING SURFACES SHALL BE UNINTERRUPTED BY NEWEL POSTS, OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS.
- THE CONTRACT UNIT PRICE "FOOT" FOR PIPE HANDRAIL SHALL INCLUDE THE PIPE, ANCHOR RODS, ANCHOR BOLTS, BOLTS, NUTS, WASHERS, AND STEEL BASE PLATES.



POST BASE PLATE DETAIL

(Included in the cost of Hand or Safety Rail)



ANCHOR ROD DETAIL

(Included in the cost of Hand or Safety Rail)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE:	VERT. HORIZ.	DRAWN BY
DATE		CHECKED BY

PIPE HANDRAIL DETAIL