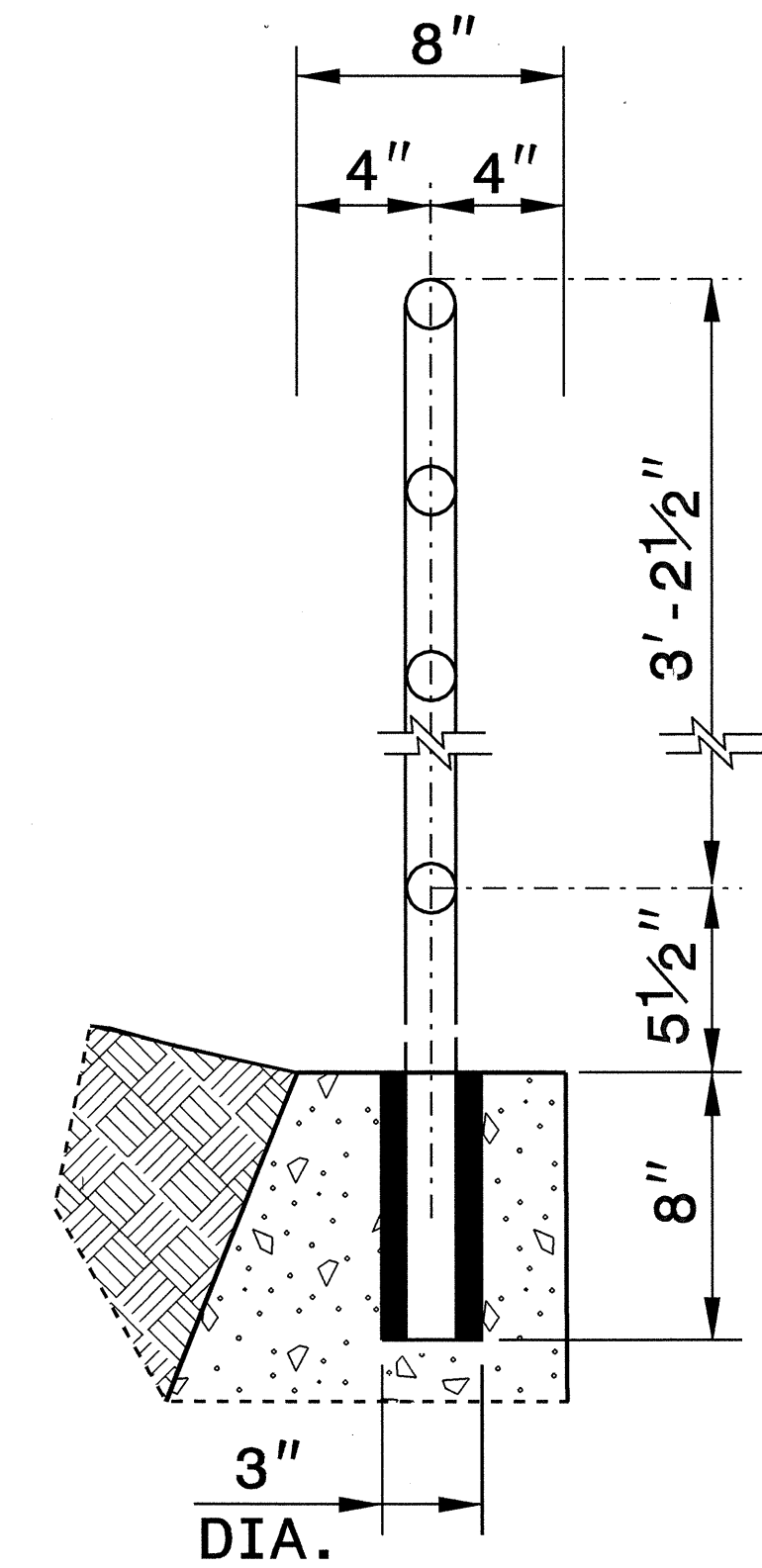
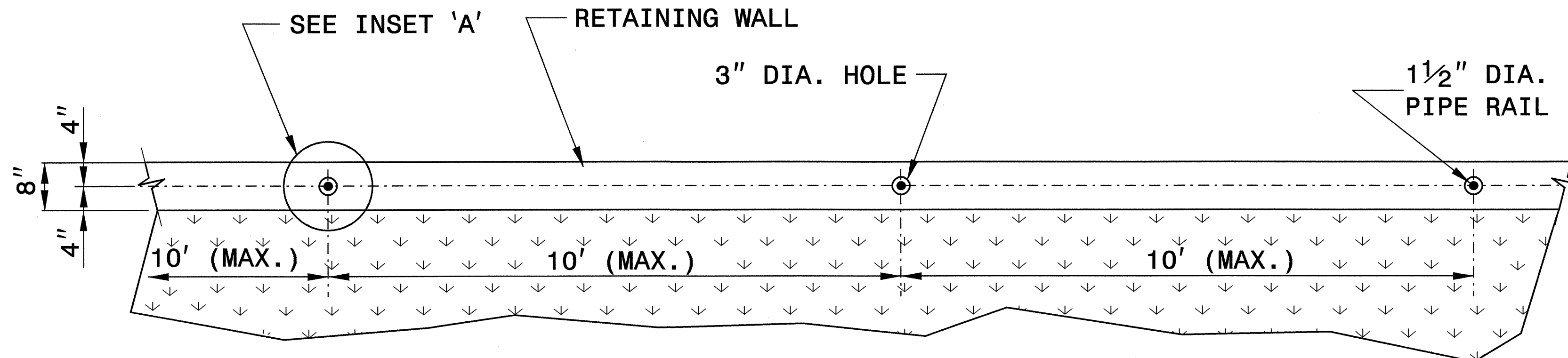


ELEVATION OF HANDRAIL



INSET 'A'



PLAN VIEW

NOTES:

PROPOSED STEEL PIPE RAIL SHALL BE CONSTRUCTED OF 1 1/2" DIAMETER SCHEDULE 40 PLAIN END GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A53.

PIPE RAIL SHALL BE EMBEDDED 8" INTO PROPOSED WALL WITH CHEMICAL OR CONCRETE GROUT ANCHORING SYSTEM AS DIRECTED BY THE ENGINEER.

REPAIR OF GALVANIZING SHALL BE IN ACCORDANCE WITH SECTION 1076 OF THE NCDOT STANDARD SPECIFICATIONS.

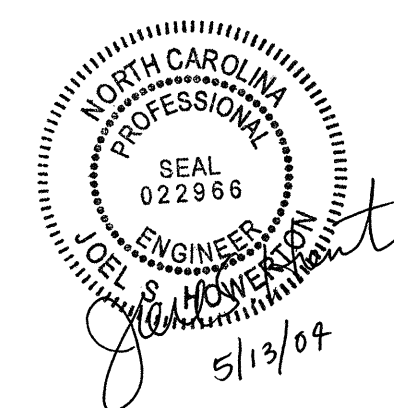
PAINTING, IF REQUIRED BY THE ENGINEER, SHALL BE IN ACCORDANCE WITH SECTION 1080 OF THE STANDARD SPECIFICATIONS.

THE PROPOSED RAILING SHALL BE CENTERED ON TOP OF THE WALL WITH POST SPACING SYMMETRICAL ABOUT THE CENTER-LINE OF THE WALL.

HOLES FOR EMBEDMENT OF RAIL IN WALL SHALL BE MADE WITH A ROTARY DRILL ONLY (NO ROTARY-IMPACT DRILLS).

WELDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 1072-20 OF THE STANDARD SPECIFICATIONS.

SEE STD. DWG. 842.01, 842.02, AND 842.03 FOR RETAINING WALLS



DESIGN SERVICES UNIT	
STANDARDS AND SPECIAL DESIGN	
Office 919-250-4128	FAX 919-250-4119
SPECIAL DETAIL OF	
PIPE HANDRAIL MOUNTED	
ON RETAINING WALL	
ORIGINAL BY: E.E. WARD	DATE: 3-04
MODIFIED BY:	DATE:
CHECKED BY: <i>Ch. B. Ward</i>	DATE: 3-18-04
FILE SPEC.: \\usr\details\stand\metric\0842d03e&m.dgn	

18-MAR-2004 10:56
 W:\Special_Details\tspe11\details\stand\842d03e&m.dgn
 P:\ward AT 05212260