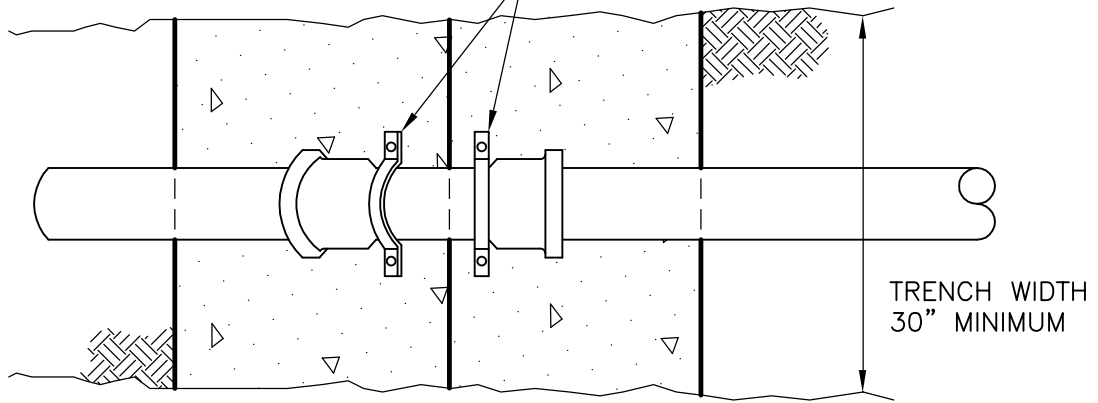


1/2" X 2 1/2" STAINLESS STEEL STRAP

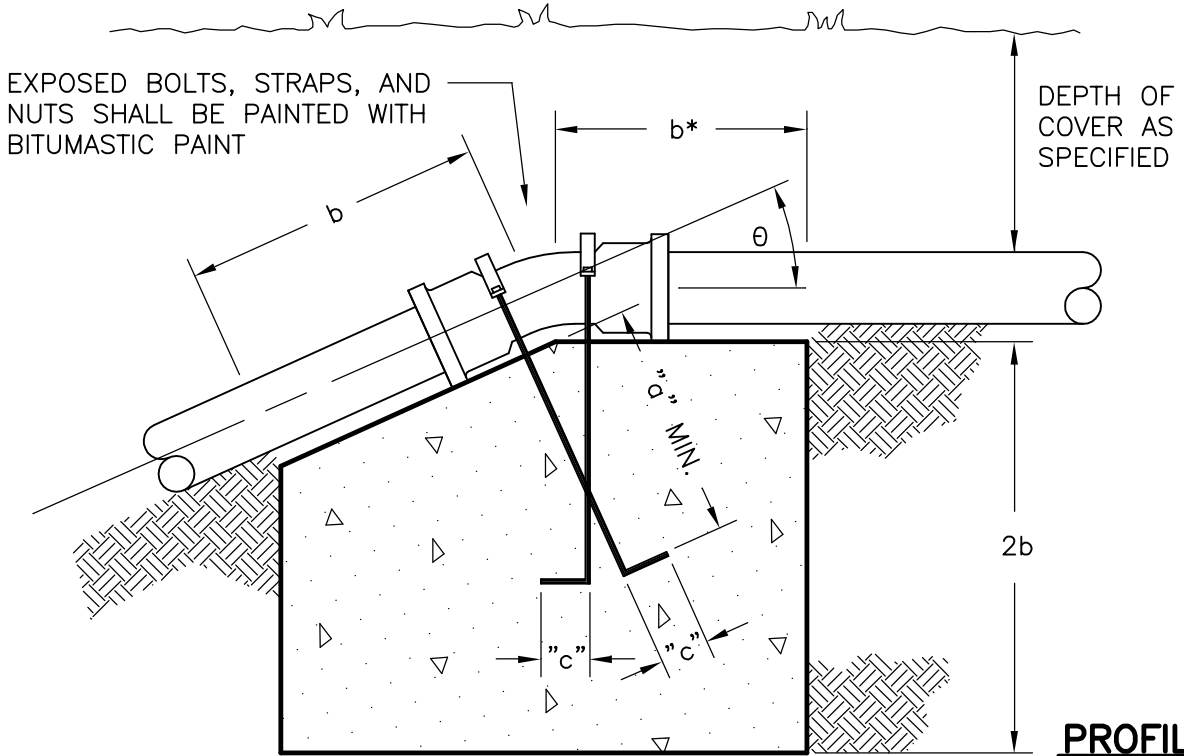


NOTES:

1. FITTING FLANGE BOLTS SHALL REMAIN FREE OF CONCRETE
2. DO NOT BACKFILL UNTIL CONCRETE HAS SET FOR A MINIMUM OF 4 HOURS
3. PIPELINE SHALL NOT BE PLACED INTO SERVICE UNTIL CONCRETE HAS ACHIEVED FULL STRENGTH

PLAN

REDUCE "b" DIMENSION IN SOLID ROCK AS APPROVED BY ENGINEER.



STEEL ANCHOR BOLT SIZE			
b	dia.	a	c
0 to 1'-0"	5/8"	8"	3 3/4"
1'-1" to 2'-6"	5/8"	12"	3 3/4"
2'-7" to 3'-0"	3/4"	12"	4 1/2"
3'-1" to 3'-5"	7/8"	12"	5 1/4"

NOTE: SEE G-4B FOR "b" VALUES FOR THRUST BLOCKS

AUGUSTA COUNTY SERVICE AUTHORITY
VERONA, VIRGINIA

SCALE: NONE

DRAWN BY:

DATE: AUG. 2004

REVISED:

TYPICAL THRUST BLOCK DETAIL (GENERAL)
VERTICAL CREST ANCHORS

DRAWING NUMBER: G-4A

PAGE: 1 OF 2