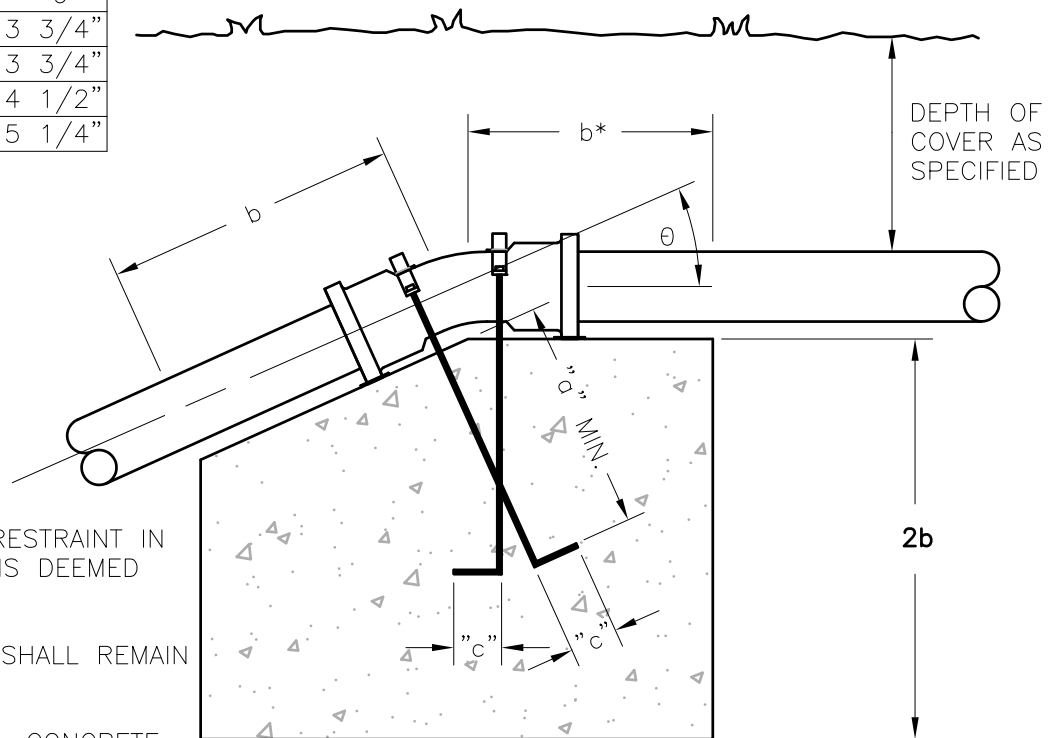


PLAN

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"



PROFILE

NOTES:

- FOR USE ONLY WHEN RESTRAINT IN ACCORDANCE WITH W-11 IS DEEMED TO BE NON-APPLICABLE.
- FITTING FLANGE BOLTS SHALL REMAIN FREE OF CONCRETE.
- DO NOT BACKFILL UNTIL CONCRETE HAS SET FOR A MINIMUM OF 4 HOURS.
- PIPELINE SHALL NOT BE CHARGED OR TESTED UNTIL CONCRETE HAS ACHIEVED FULL STRENGTH.
- SEE G-4B FOR "b" VALUES FOR THRUST BLOCKS.
- REDUCE "b" DIMENSION IN SOLID ROCK AS APPROVED BY ENGINEER.
- EXPOSED BOLTS, STRAPS, AND NUTS SHALL BE PAINTED WITH APPROVED BITUMASTIC PAINT.
- PLACE TWO LAYERS OF 15 LB. BUILDERS FELT BETWEEN FITTING/BOLTS AND CONCRETE AND BETWEEN STAINLESS STEEL STRAPS AND PIPE FITTING.

**AUGUSTA COUNTY SERVICE AUTHORITY
VERONA, VIRGINIA**

SCALE: NTS

DRAWN BY: ACSA

DATE: AUG. 2004

REVISED: MAR. 2021

**TYPICAL THRUST BLOCK DETAIL
VERTICAL CREST ANCHORS**

DRAWING NUMBER: G-4A

PAGE: 1 OF 2