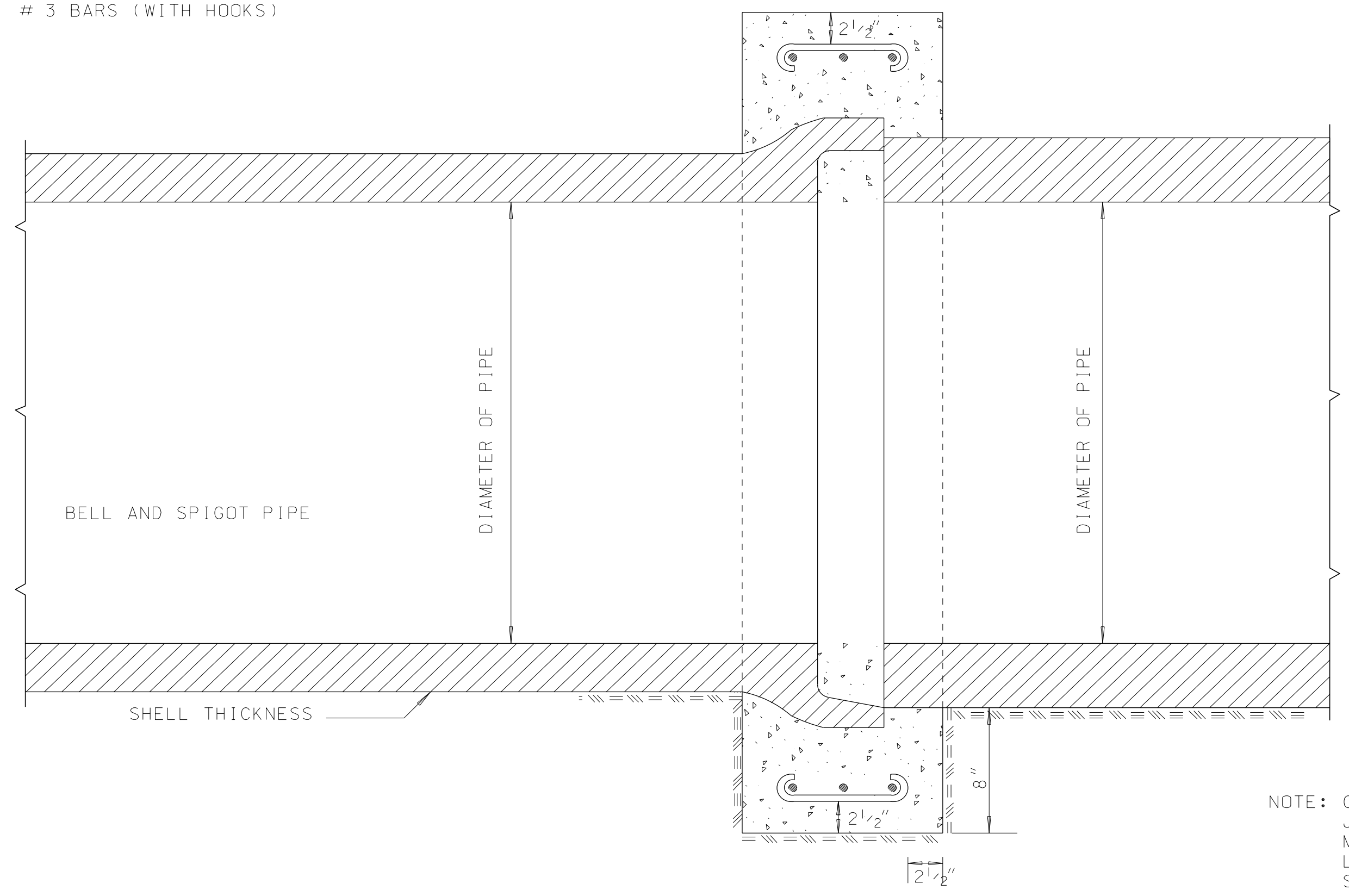


LONGITUDINAL SECTION THROUGH PIPE



NOTE: CONCRETE COLLARS SHALL BE USED FOR THE FOLLOWING JOINT TYPES: BELL AND SPIGOT, TONGUE AND GROOVE, MODIFIED TONGUE AND GROOVE. LARGE VOIDS CAUSED BY IMPROPER FIT OF THE TWO (2) PIPE SECTIONS SHALL BE FILLED WITH CEMENT MORTAR.

--SPECIFICATIONS--
 CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS
 1. Added to CADD on 05-13-99 by J.F.T.

ALABAMA DEPARTMENT OF TRANSPORTATION
 1409 COLISEUM BOULEVARD
 MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING
 DETAILS OF CONCRETE COLLAR FOR CONNECTING CONCRETE PIPE OF DIFFERENT SHELL THICKNESS OR CONNECTING CONCRETE TO CORRUGATED METAL PIPE

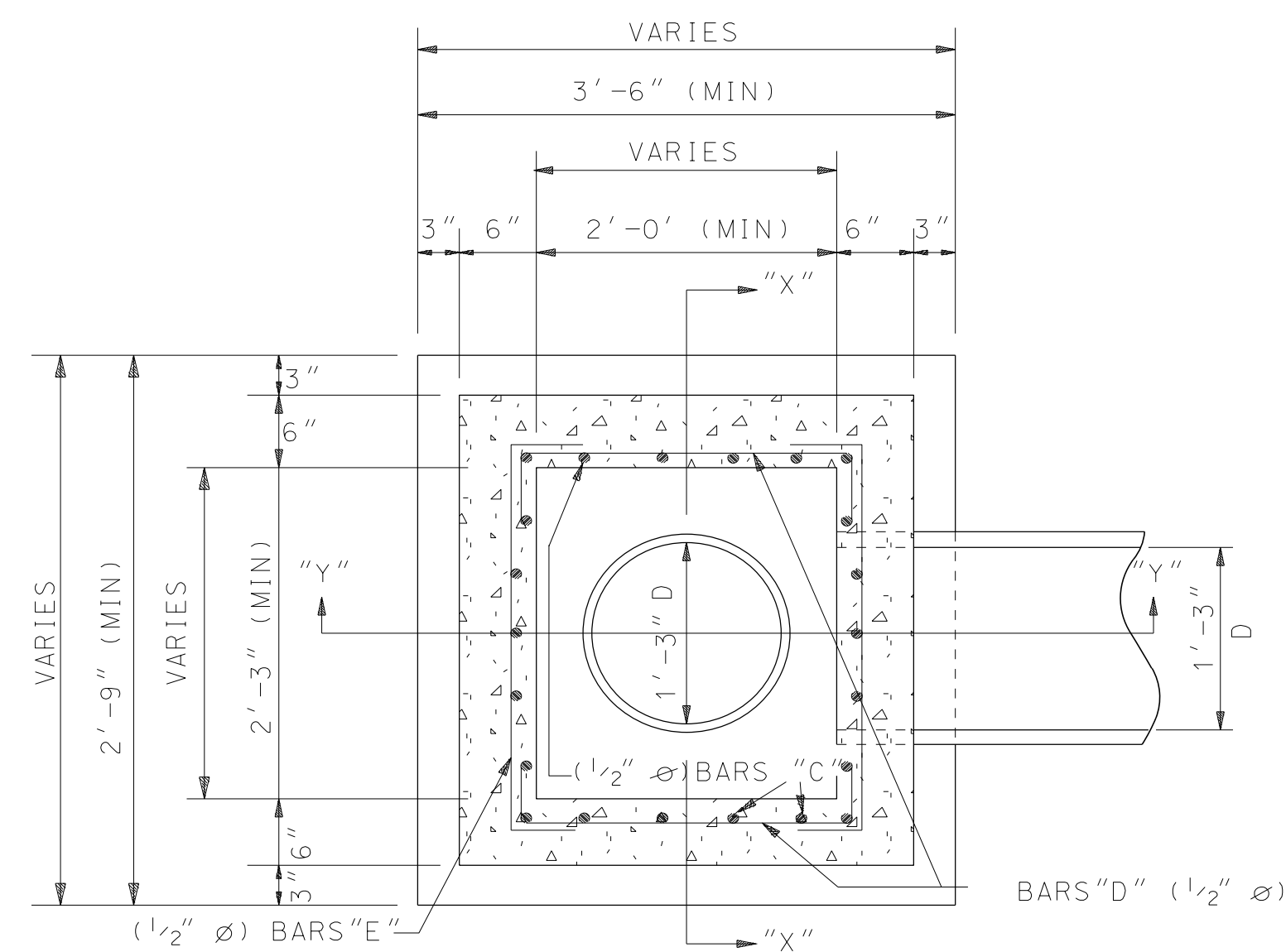
Bureau Std Engr: D.J.W.
 DRAWN BY: _____ DATE DRAWN: 02-12-76

SPECIAL DRAWING NO
 CC-530

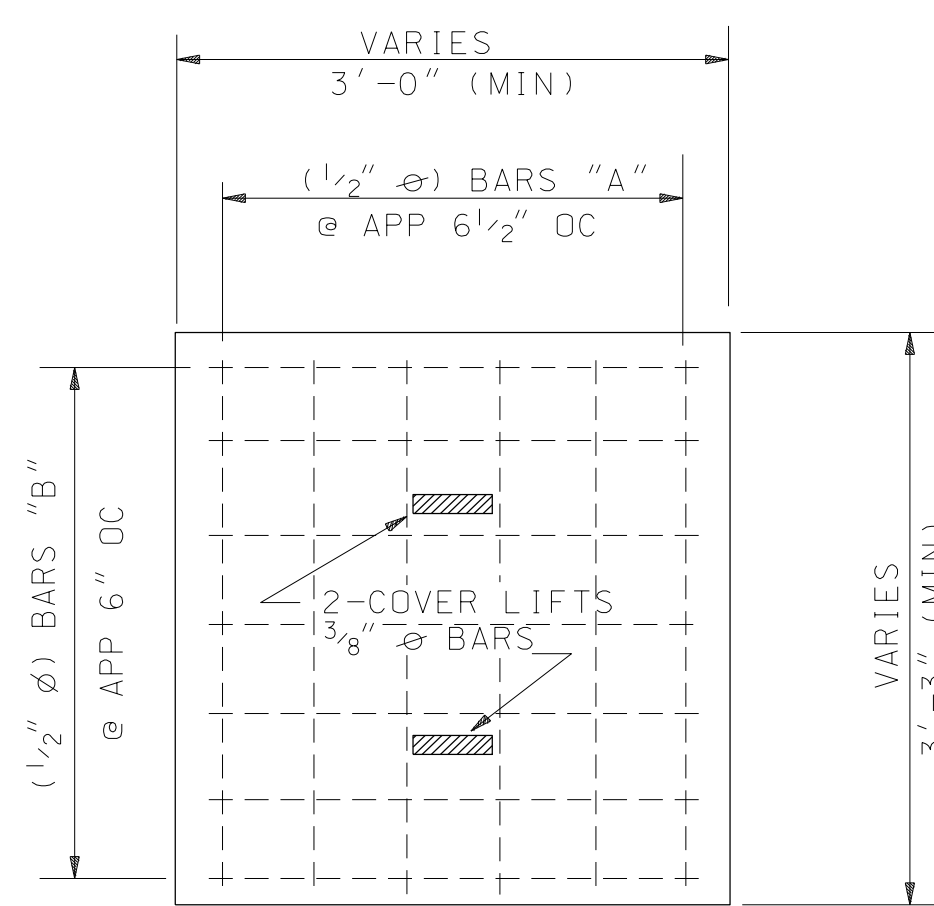
INDEX NO
 62001

NOT TO SCALE

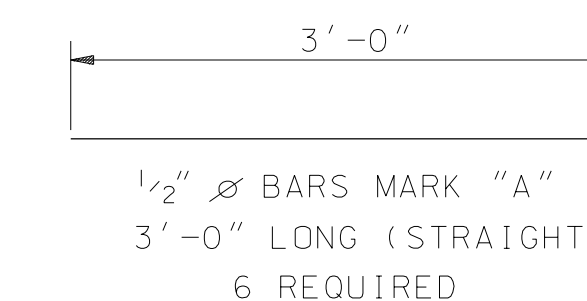
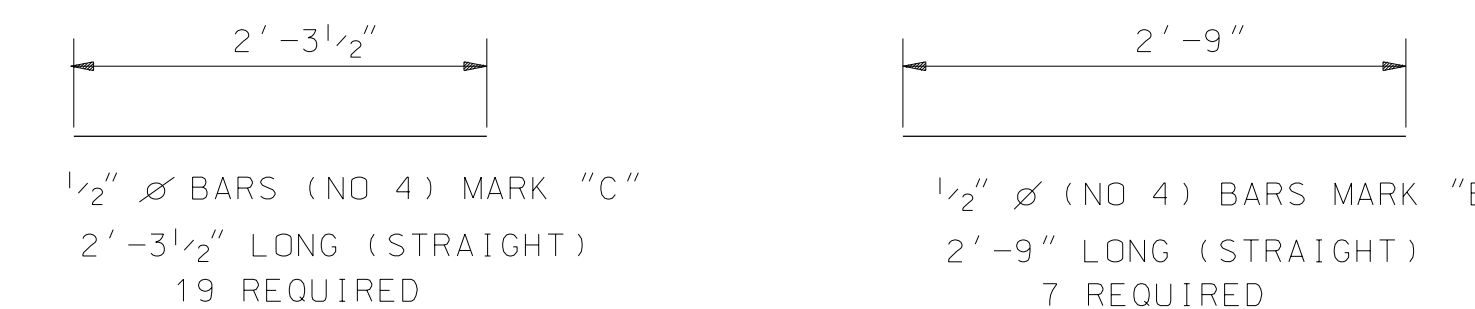
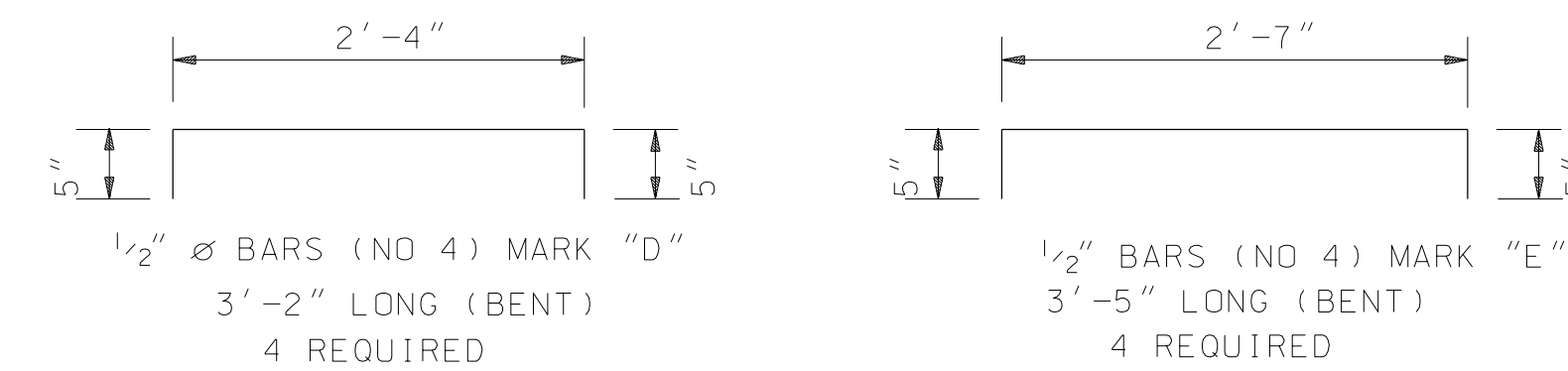
NOTE: IF SPRING BOX LARGER THAN MINIMUM SIZE DETAILED ON THIS SHEET IS REQUIRED, INCREASE SIZE DETAILED IN INCREMENTS OF 6" FOR EACH MEASUREMENT MARKED VARIES. STEEL LENGTHS SHALL BE INCREASED IN INCREMENTS OF 6" ACCORDING TO INCREASE IN BOX SIZE.



PLAN VIEW



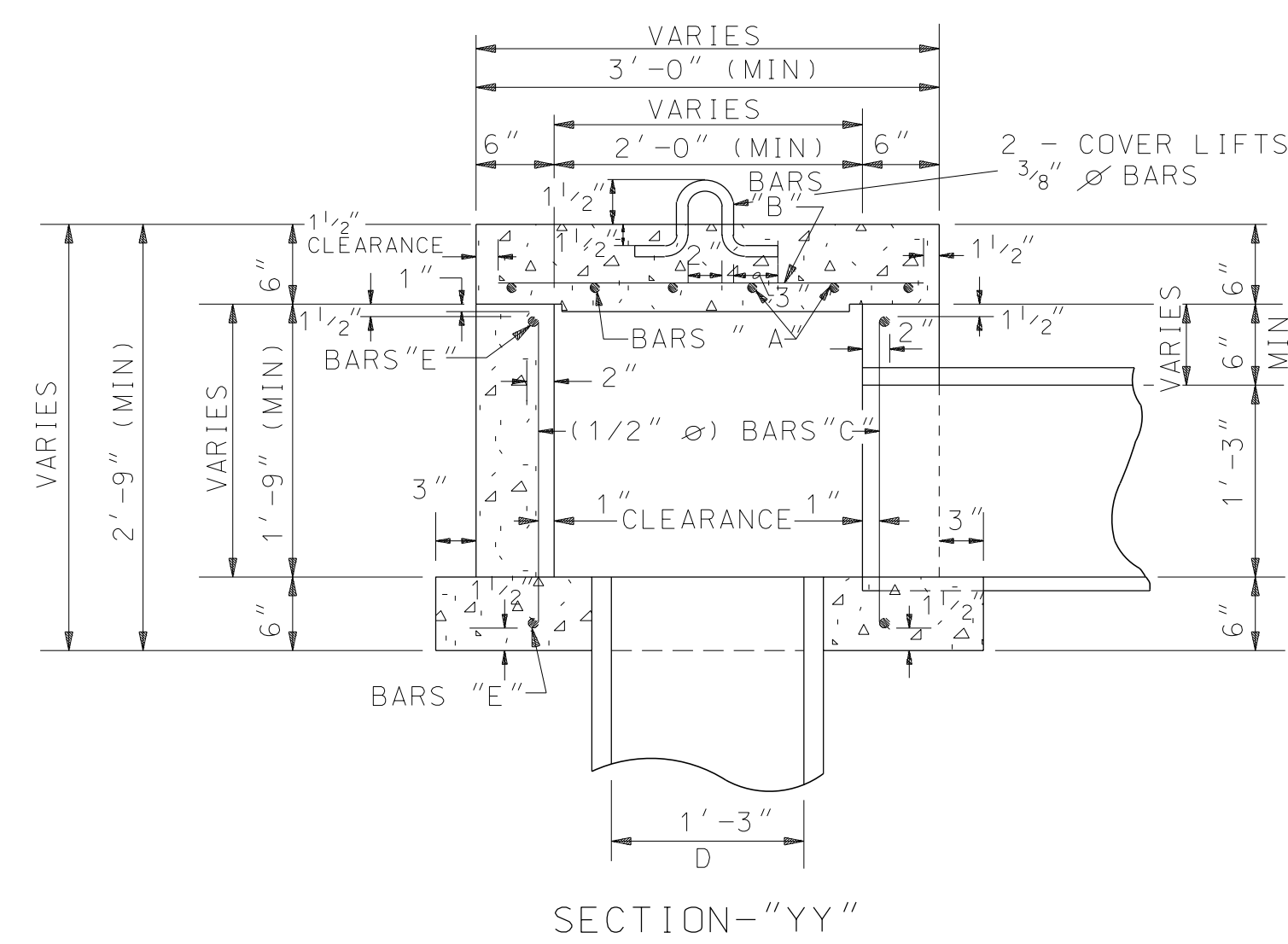
PLAN VIEW OF TOP SLAB



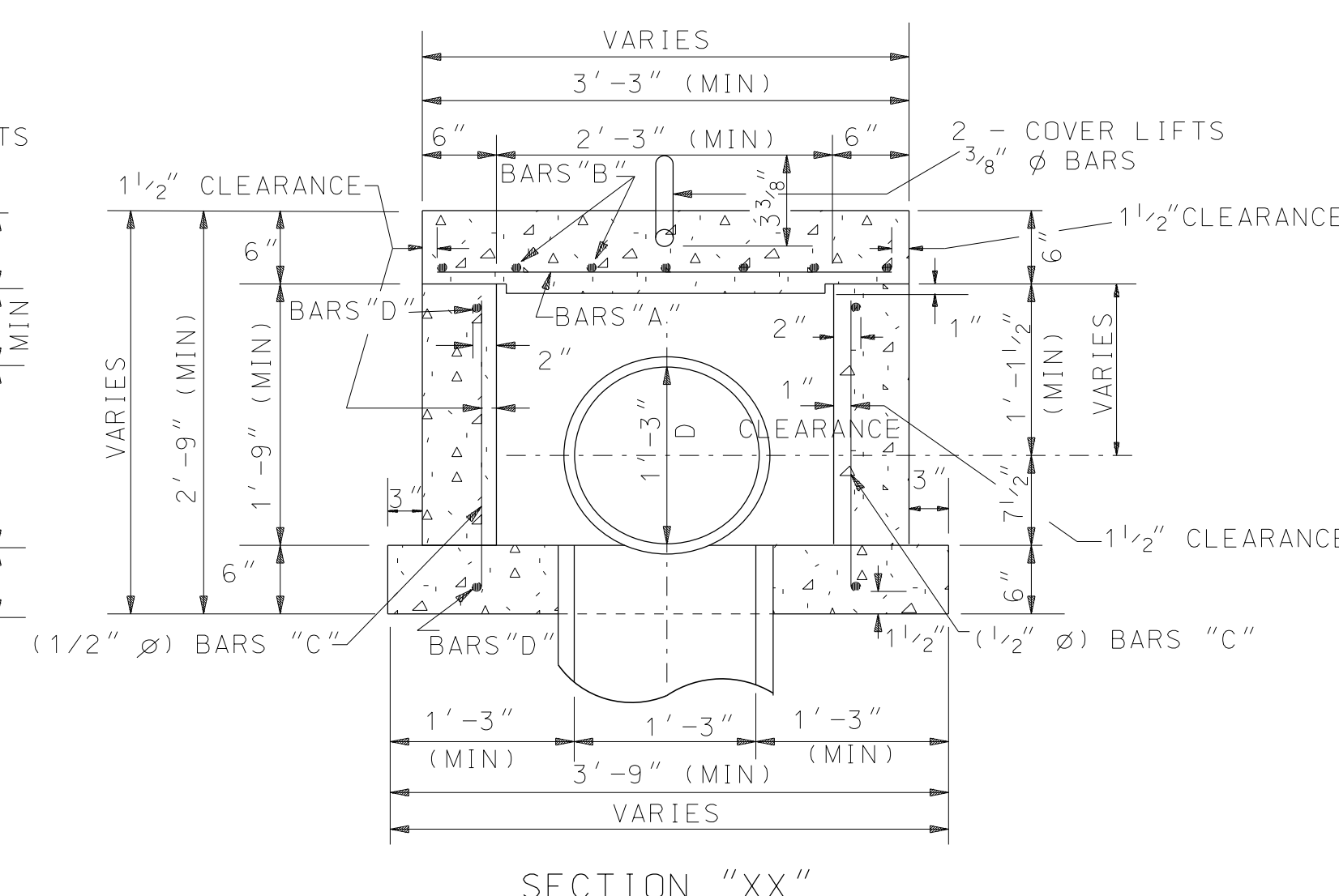
REINFORCEMENT BARS

QUANTITIES FOR ONE SPRING BOX (MIN)

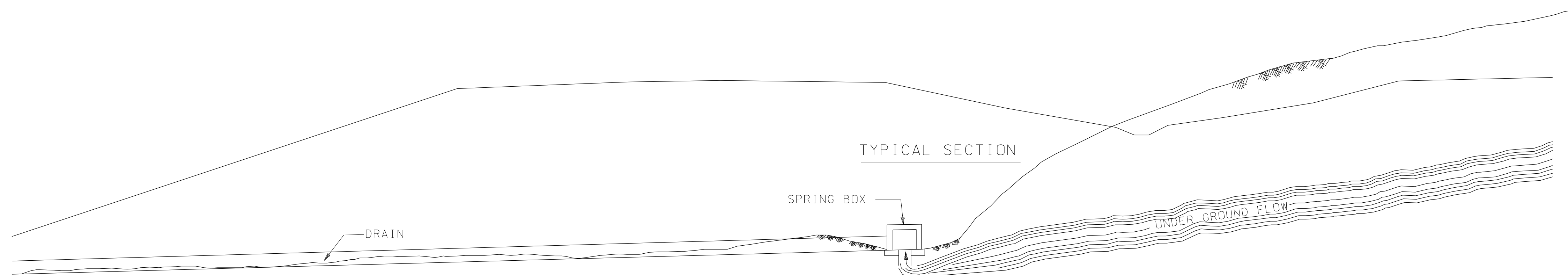
STEEL REINFORCEMENTS ————— 72.0 POUNDS
 CONCRETE ————— .794 CUBIC YARDS



SECTION "YY"



SECTION "XX"



TYPICAL SECTION

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REVISIONS
 1. Added to CADD on 05-01-00 by J.F.T.

ALABAMA DEPARTMENT OF TRANSPORTATION
 1409 COLISEUM BOULEVARD
 MONTGOMERY, AL 36130-3050
 DESIGN BUREAU SPECIAL DRAWING

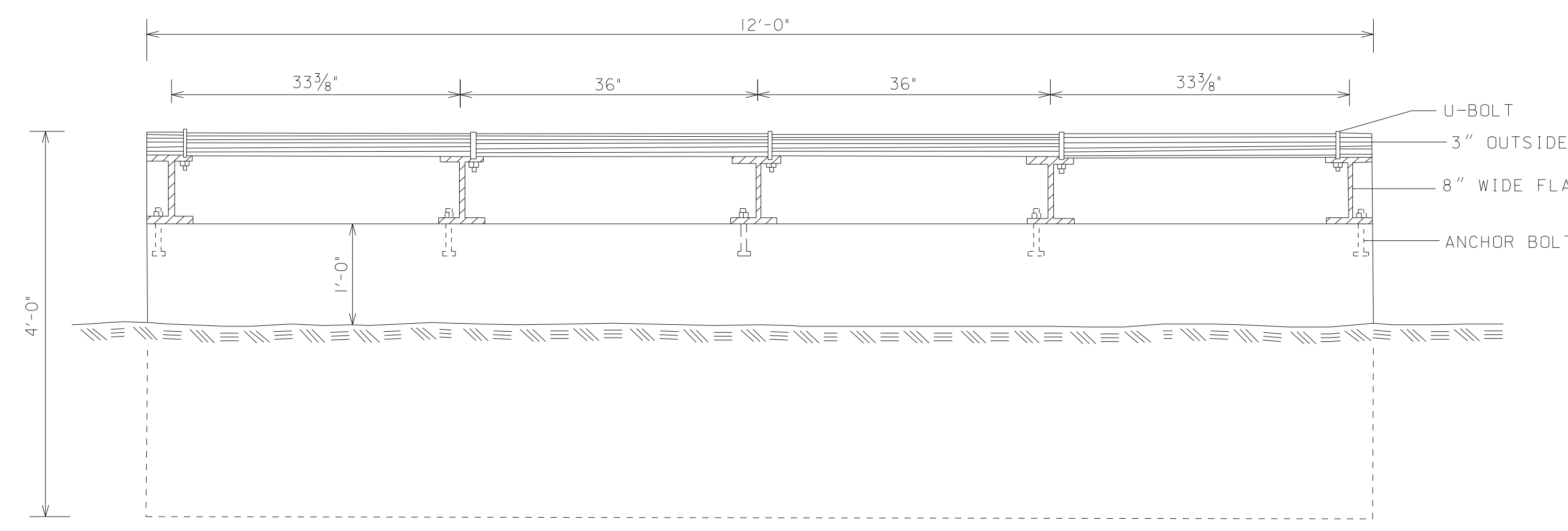
DETAILS OF CONCRETE SPRING BOX

Bureau Std Engr: D.J.W.
 DRAWN BY: _____ DATE DRAWN: 12-16-74

SPECIAL DRAWING NO
 SB-620

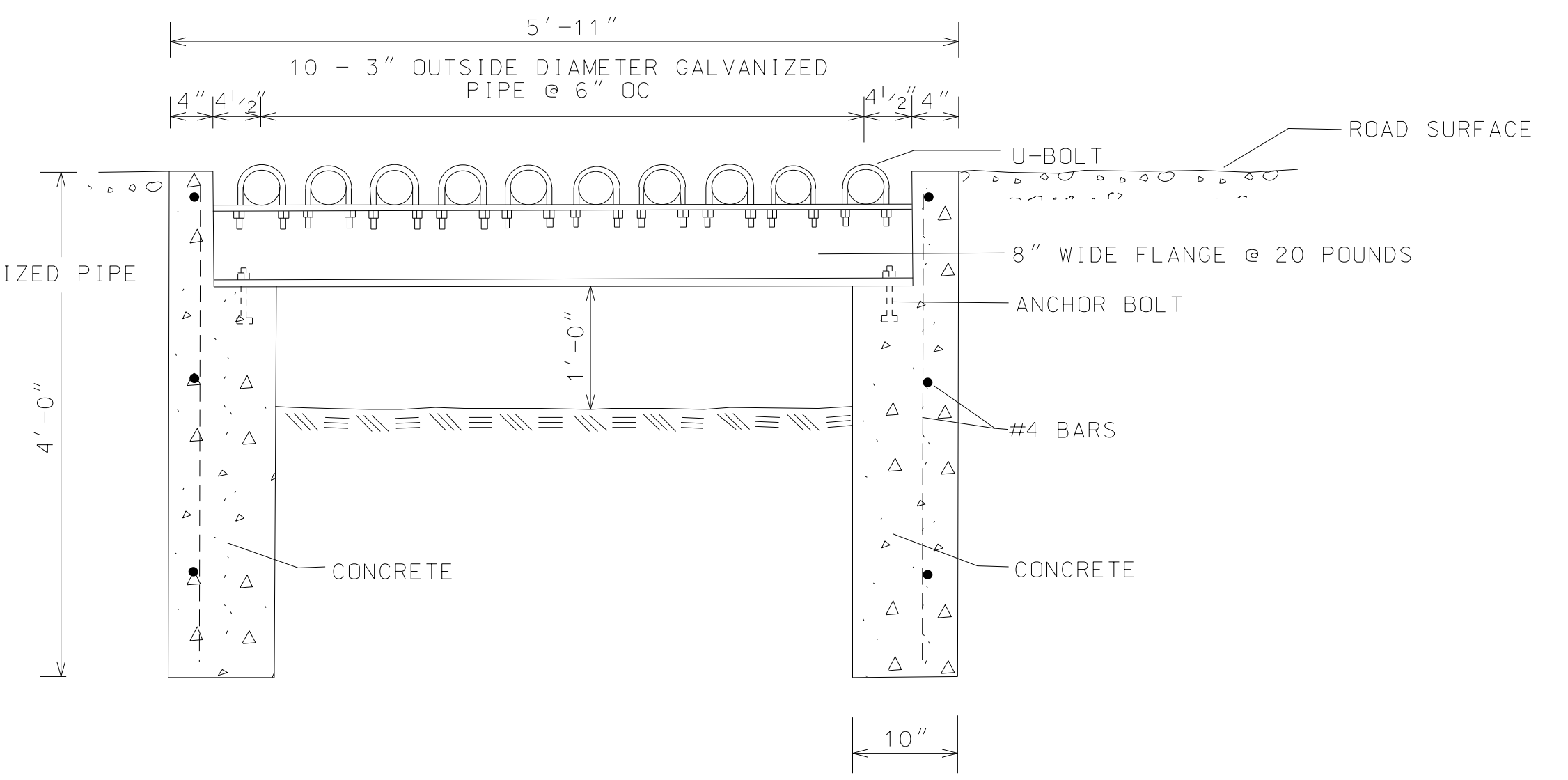
INDEX NO
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NOT TO SCALE

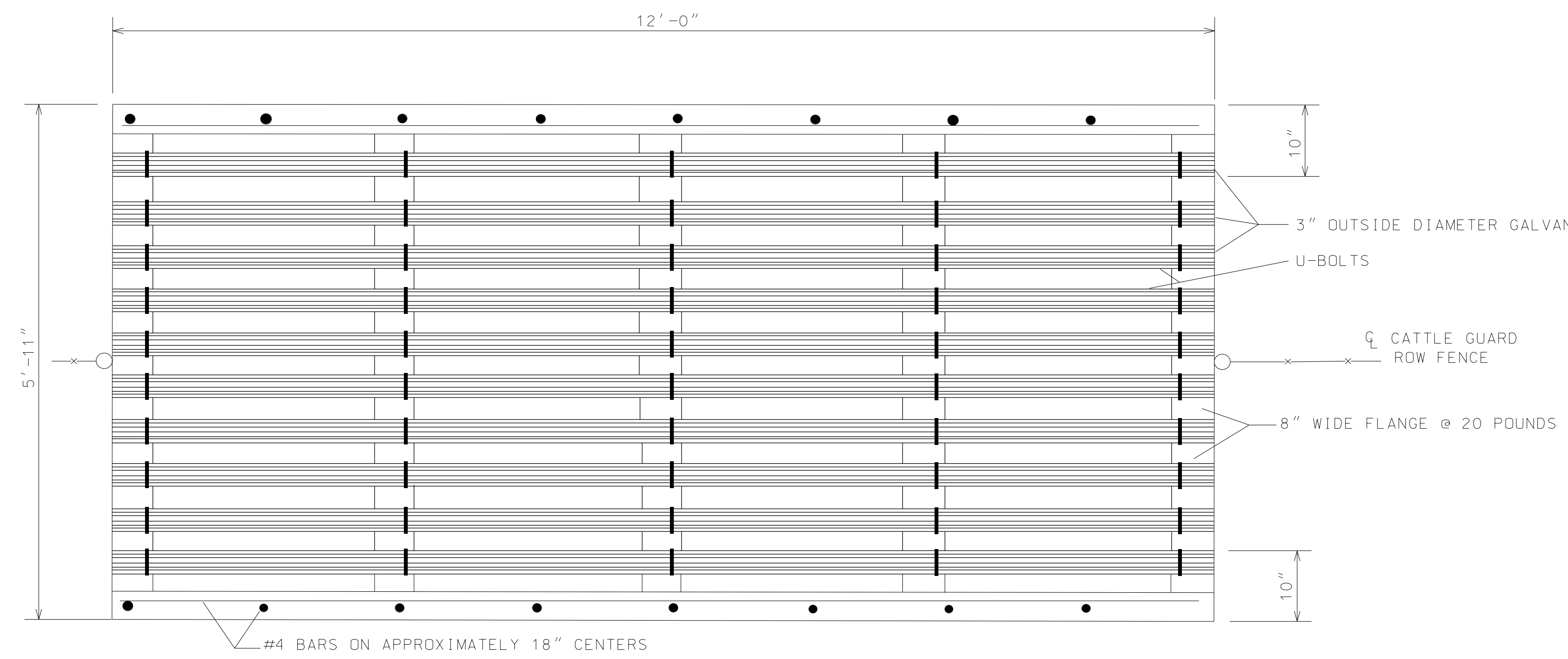


LONGITUDINAL SECTION

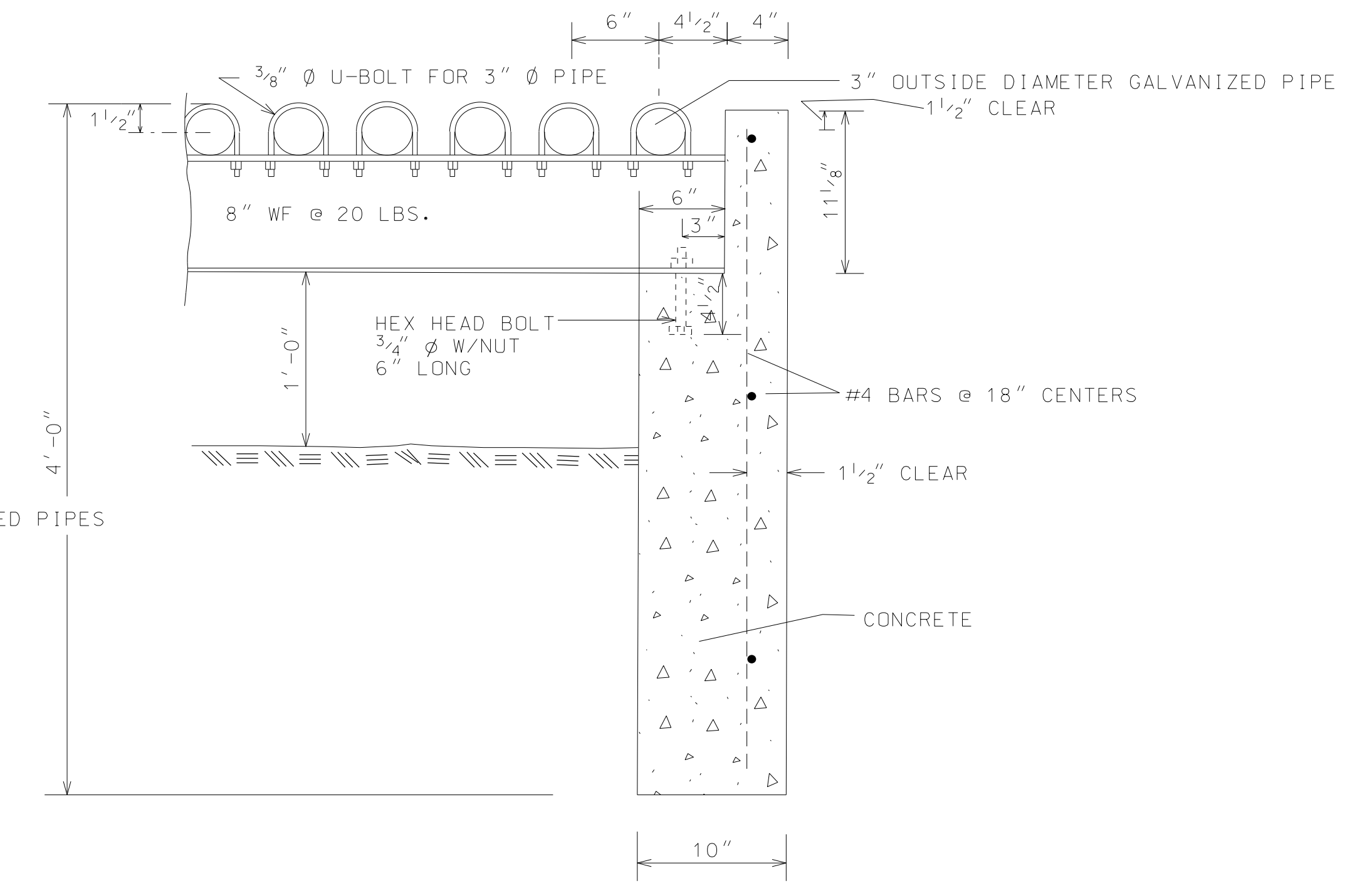
NOTE: STEEL, PIPE, WIDE FLANGE BEAM AND NECESSARY NUTS AND BOLTS SHALL BE INCLUDED IN UNIT PRICE BID FOR MINOR STRUCTURE CONCRETE/ CATTLE GUARD. (2.55 CU YD)



CROSS SECTION



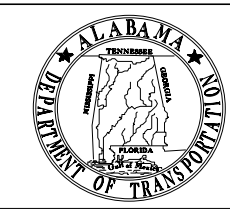
PLAN SECTION



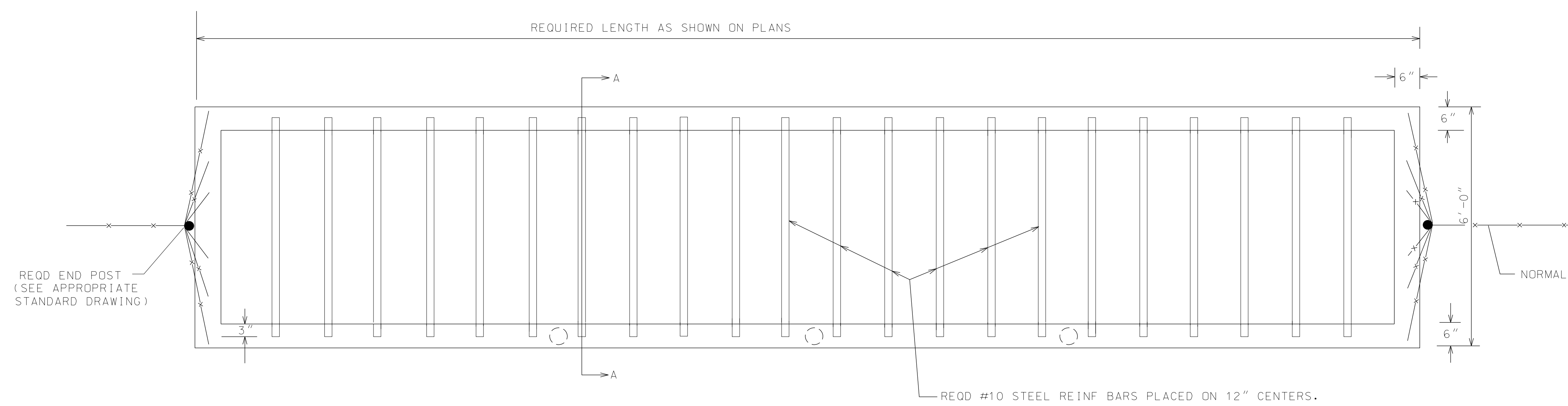
STRINGER DETAIL

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<p>REVISIONS</p> <p>1. Added to CADD on 05-05-99 by Joe Thomas.</p>	 <p>ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050</p> <p>DESIGN BUREAU SPECIAL DRAWING</p>
<p>Bureau Std Engr: D.J.W.</p> <p>DRAWN BY: _____ DATE DRAWN: 05-05-77</p>	<p>SPECIAL DRAWING NO CG-501-1</p>
	<p>INDEX NO 62007</p>

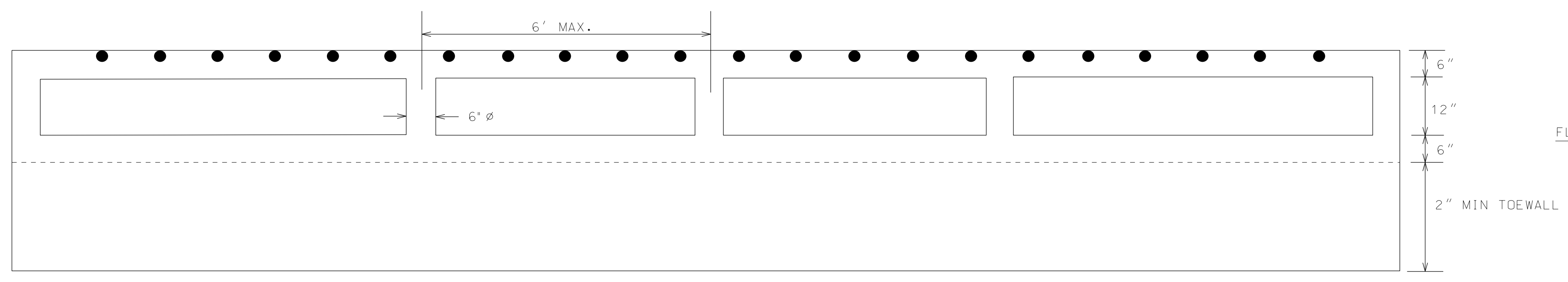
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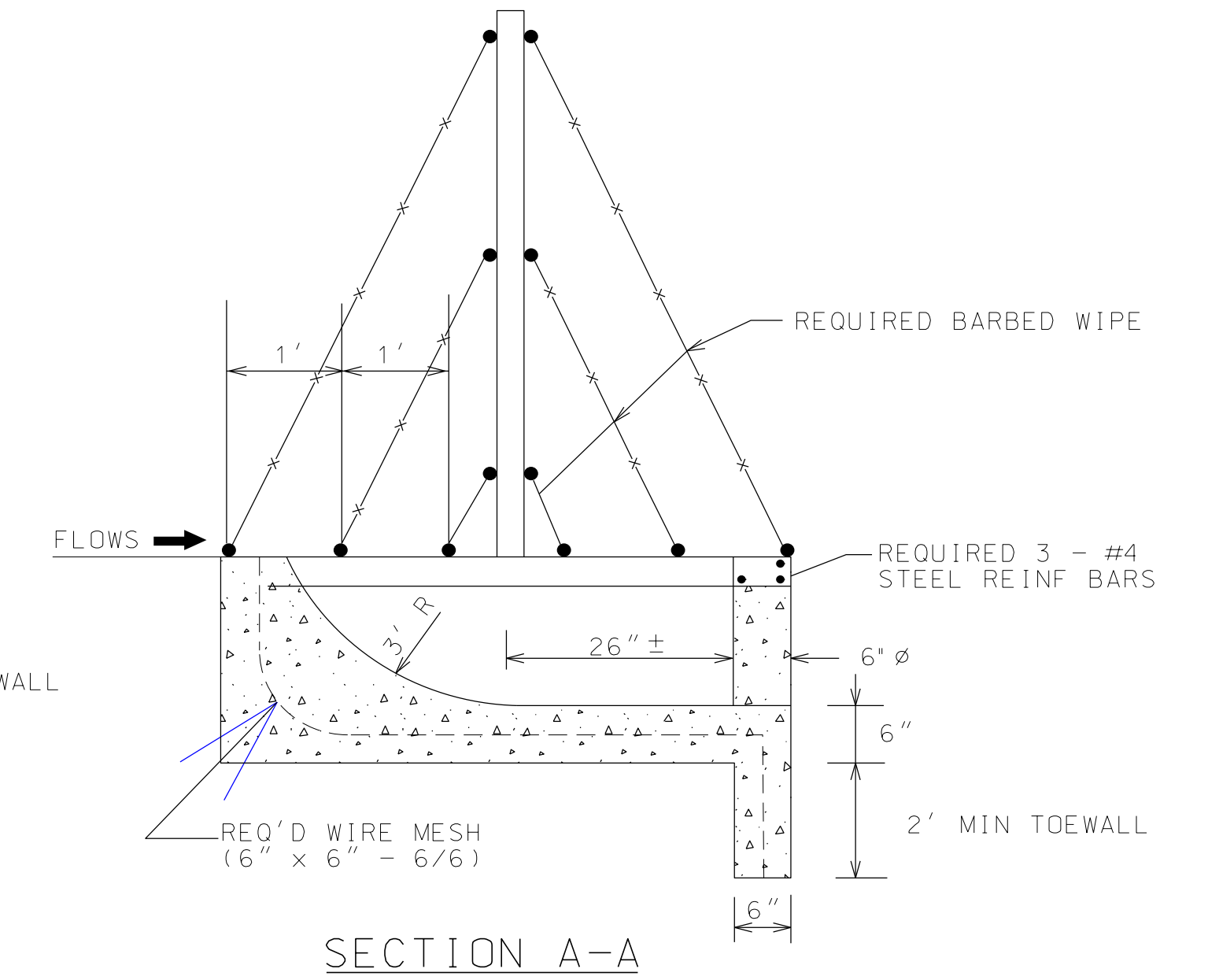
PLAN VIEW

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY/FEET
MINOR STRUCTURE	CU YD	0.231
STEEL REINF	POUNDS	29.262

REQD #10 STEEL REINF BARS PLACED ON 12" CENTERS.



ELEVATION
(OUTLET END)



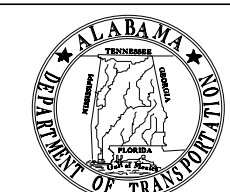
SECTION A-A

GENERAL NOTES

1. THE REQUIRED BARBED WIPE TO BE TIED TO THE CATTLE GUARD WITH 3/8" x 6" GALVANIZED EYE BOLTS WITH AN APP 1" WELDED EYE. THE REQUIRED BOLTS TO BE PLACED AT THE TIME THE END WALLS ARE FORMED. COST OF REQD BARBED WIRE & EYE BOLTS TO BE INCLUDED IN UNIT PRICE BID FOR WIRE FENCE.
2. THE WEIGHT OF THE REQD 6" x 6" - 6/6 WIRE MESH IS INCLUDED IN THE QUANTITY PER FOOT OF STEEL REINFORCEMENT.

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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<p>REVISIONS</p> <p>1. Added to CADD on 05-05-99 by Joe Thomas.</p>	 <p>ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050</p> <p>DESIGN BUREAU SPECIAL DRAWING</p>
<p>Bureau Std Engr: D.J.W. DRAWN BY: _____ DATE DRAWN: 04-20-77</p>	
<p>DETAILS OF CATTLE GUARD TO BE USED AT STREAM CROSSINGS</p>	
<p>SPECIAL DRAWING NO CG-501-2</p>	
<p>INDEX NO 62010</p>	

NOT TO SCALE