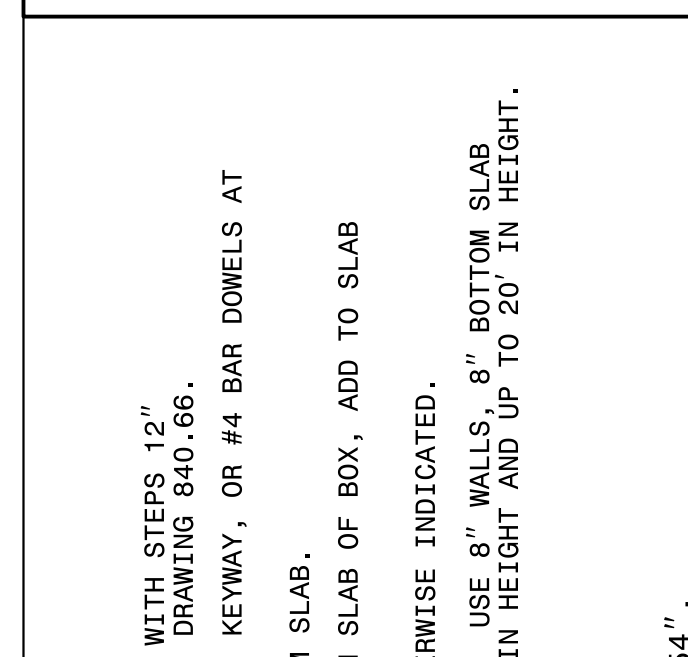
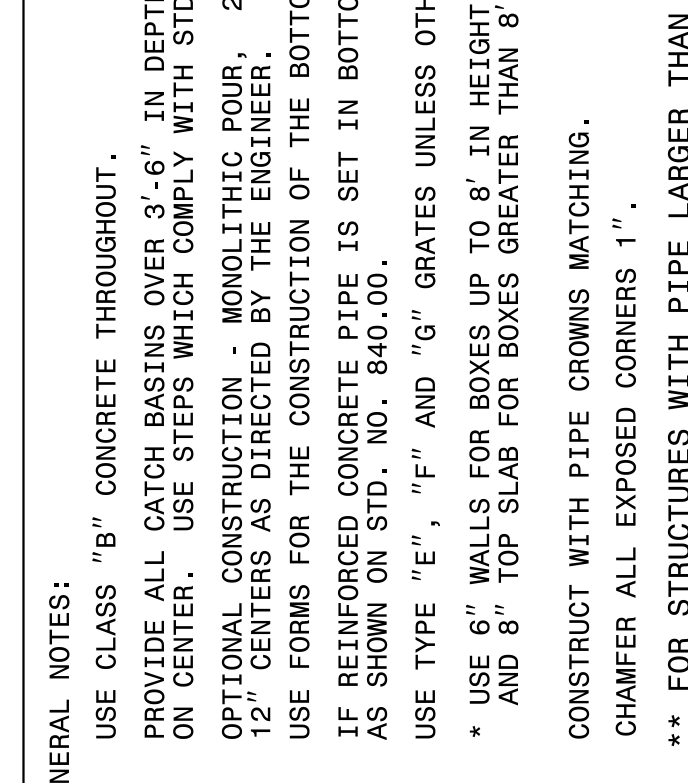
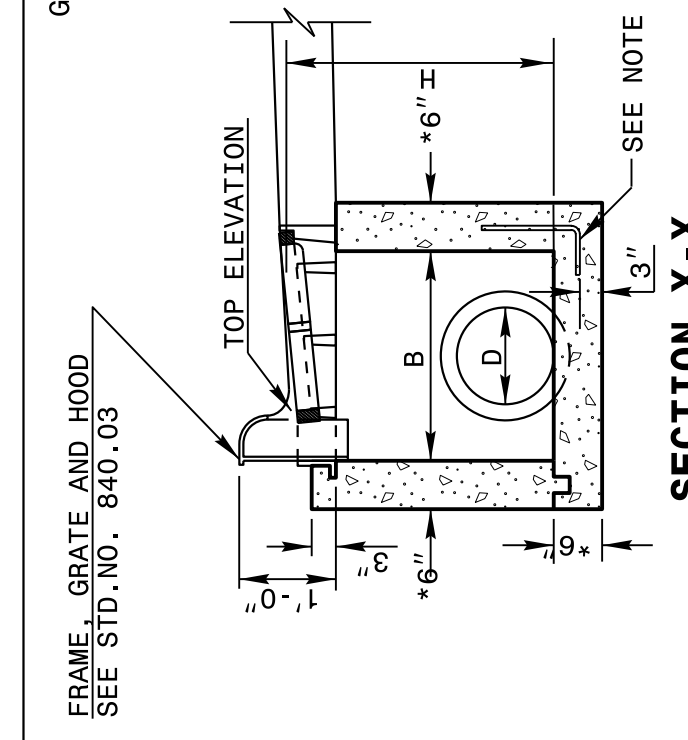
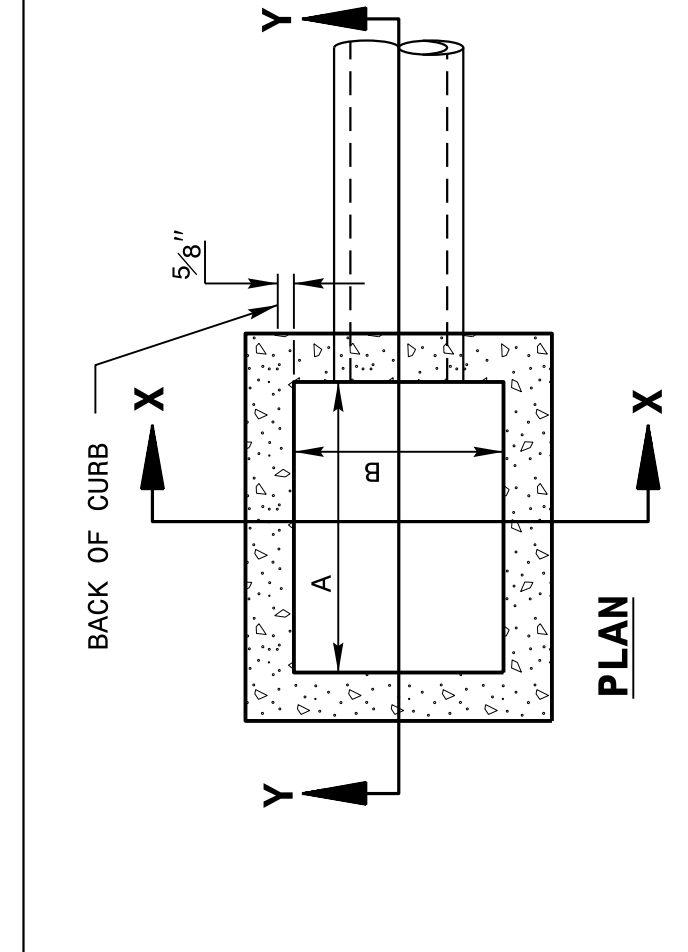


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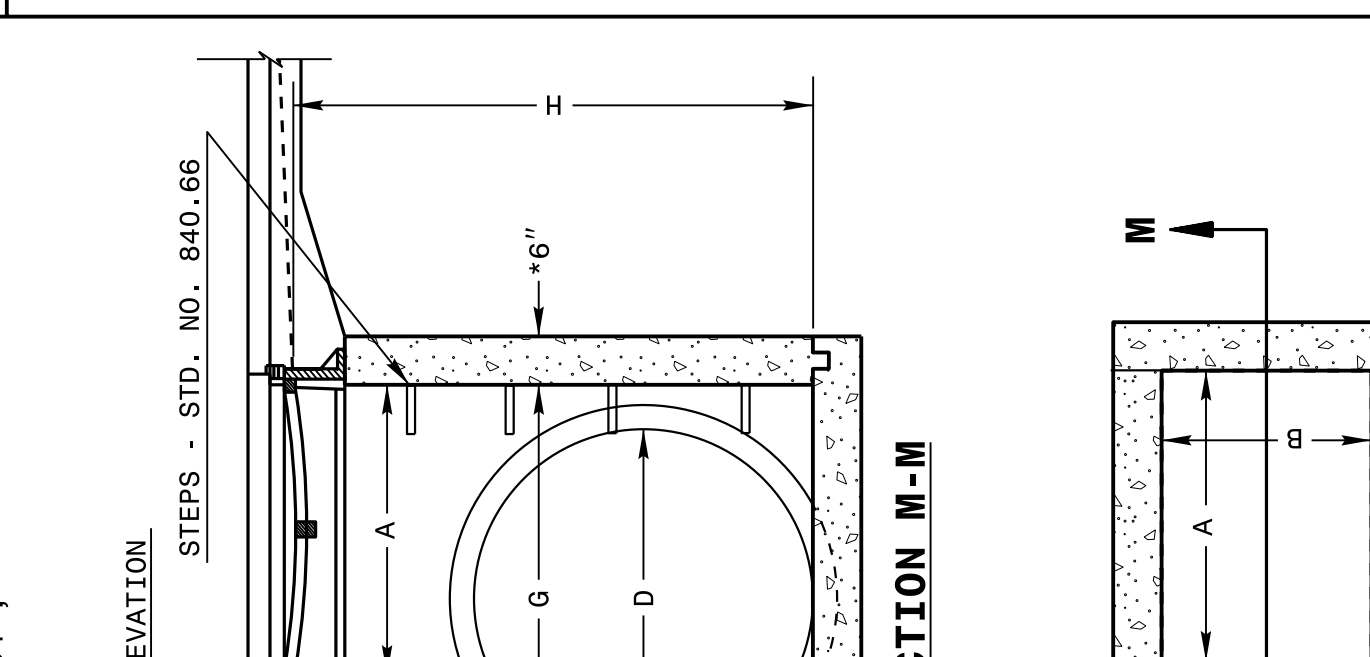
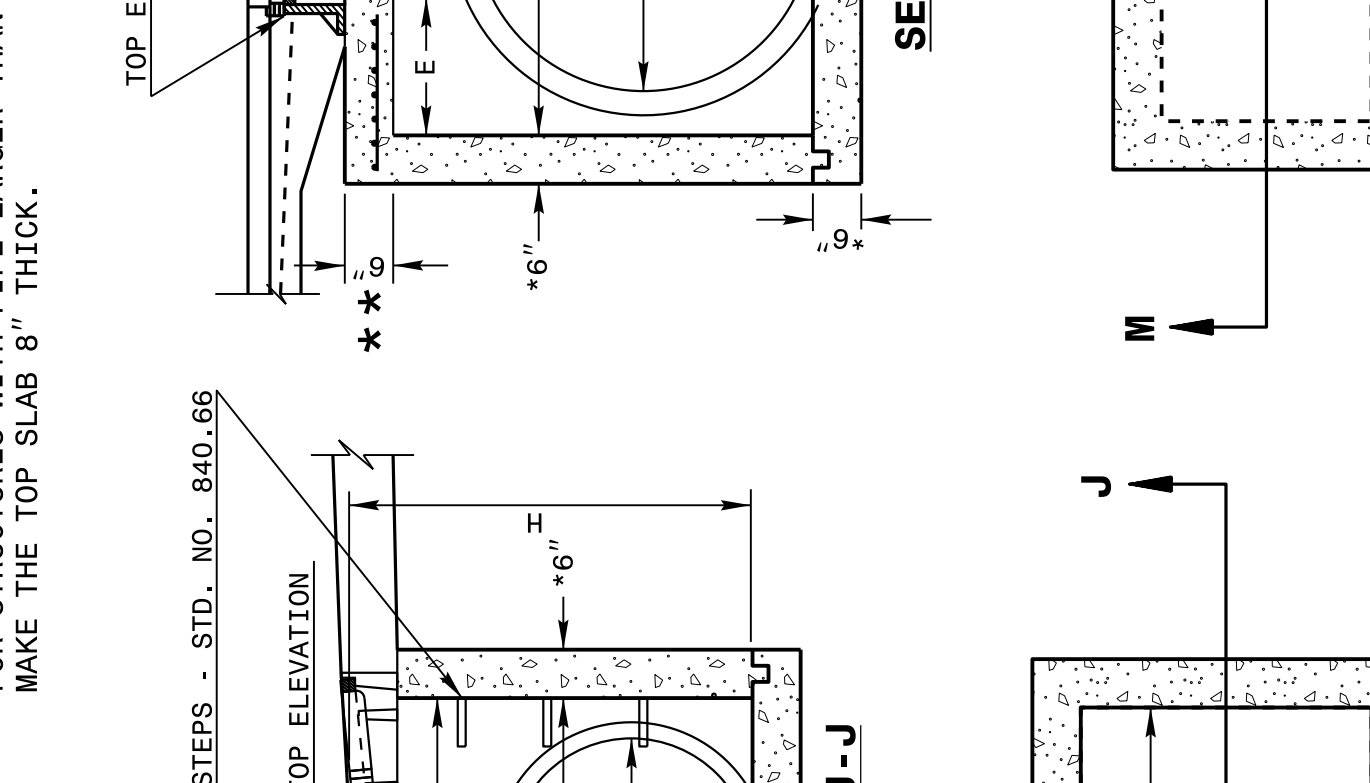
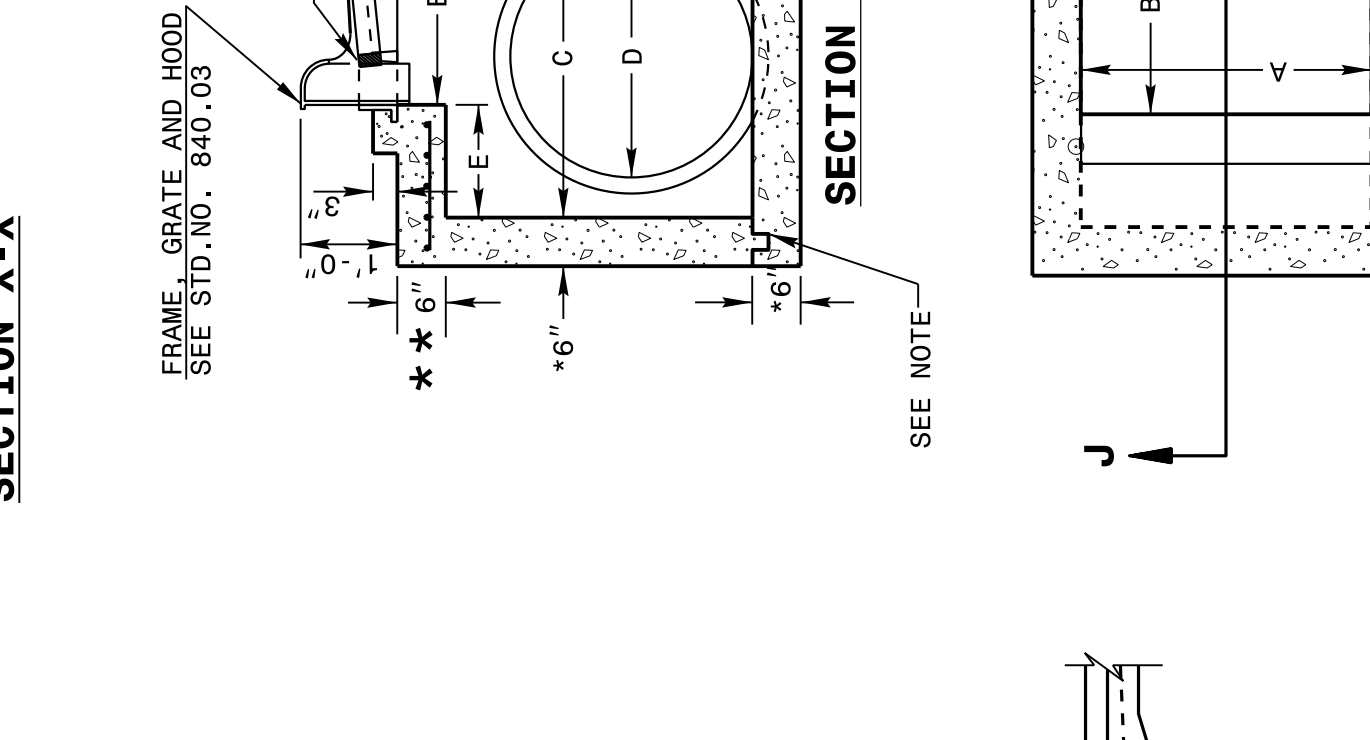
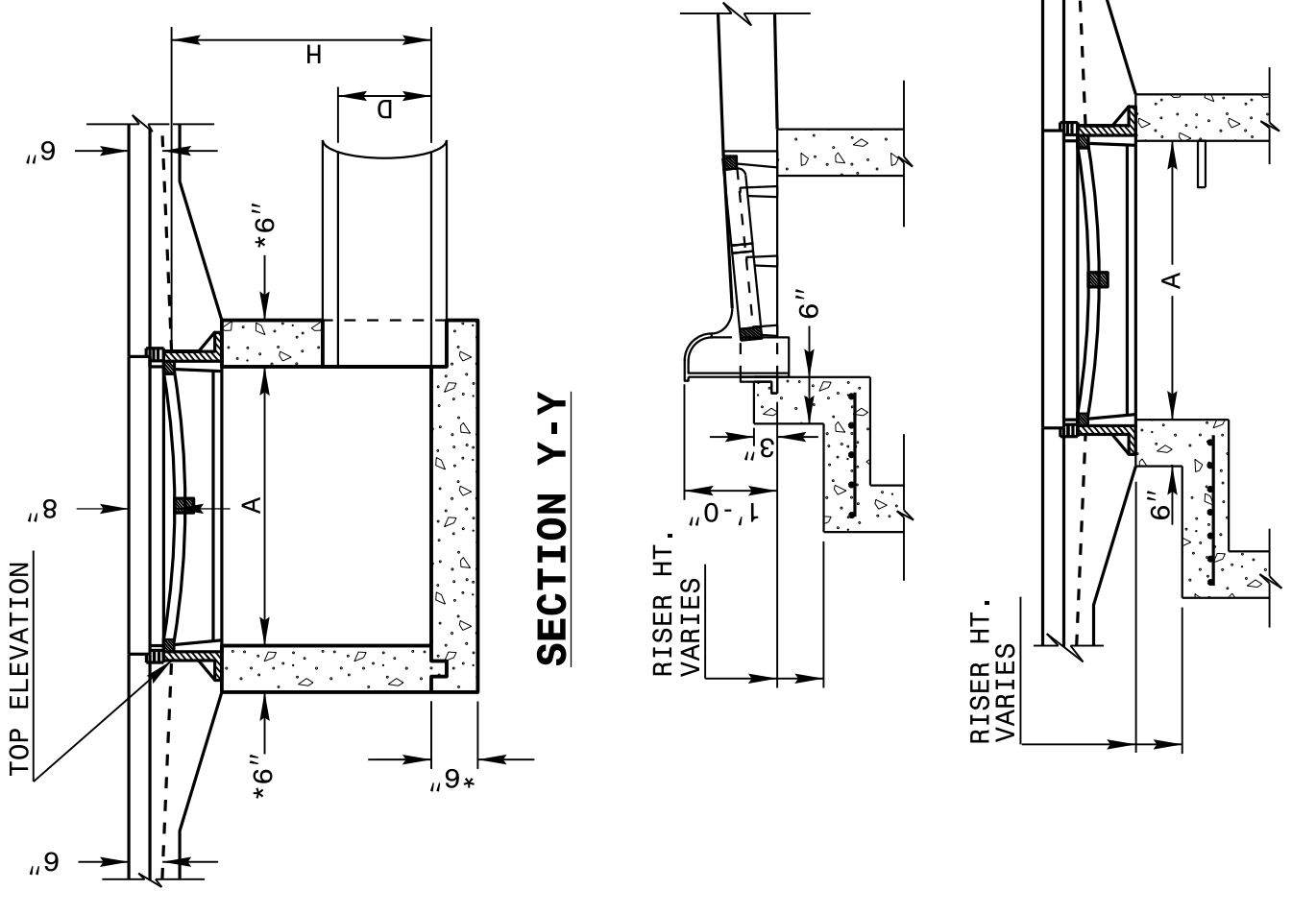
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ENGLISH DETAIL DRAWING FOR
**EXTRA DEPTH
 CONCRETE CATCH BASIN**
 12" THRU 84" PIPE



ENGLISH DETAIL DRAWING FOR
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 12" THRU 84" PIPE

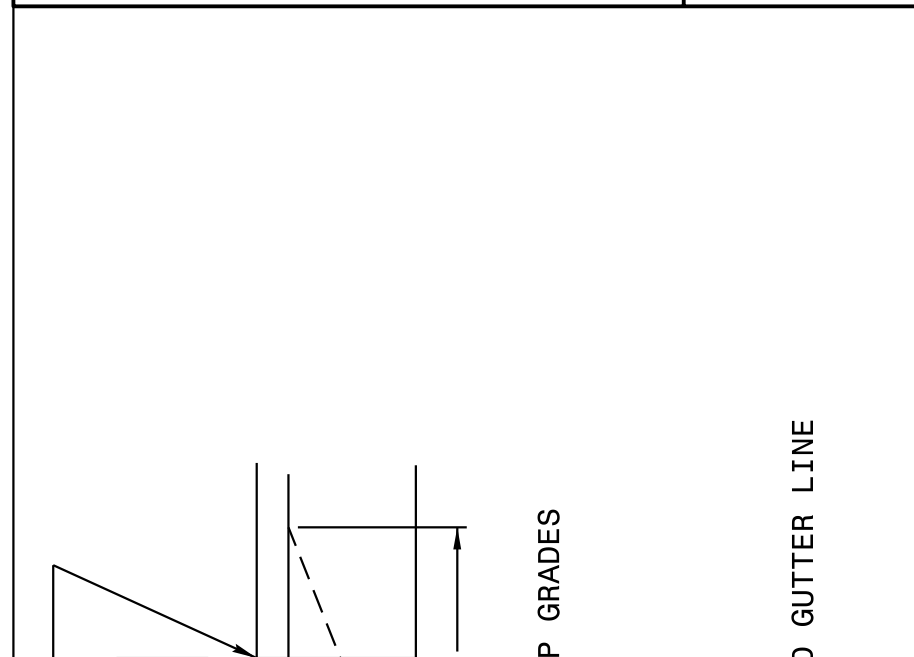
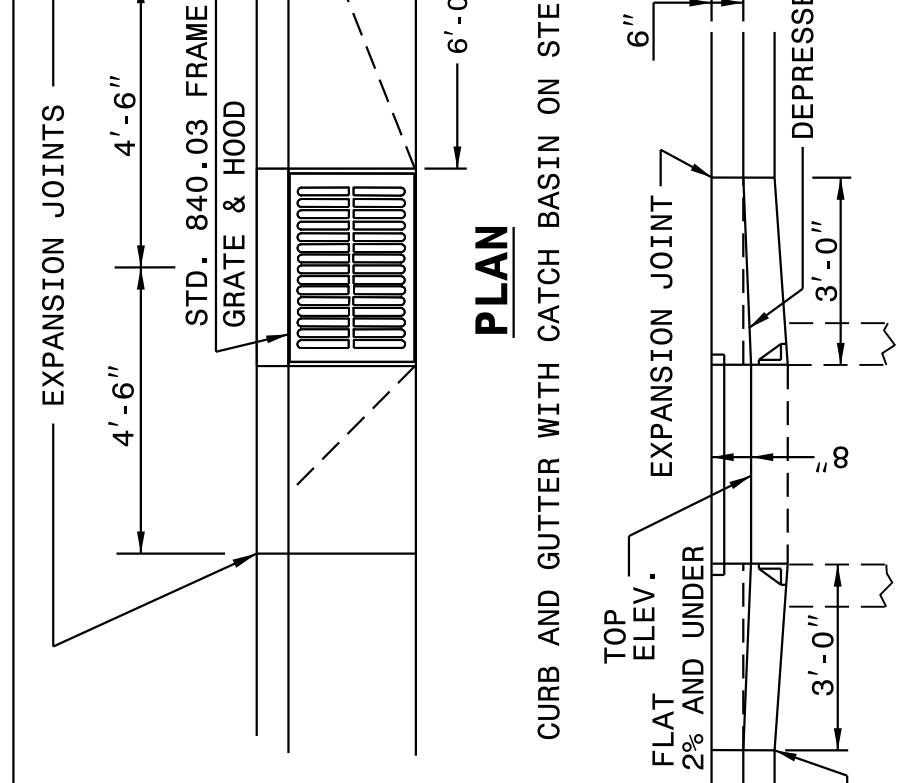
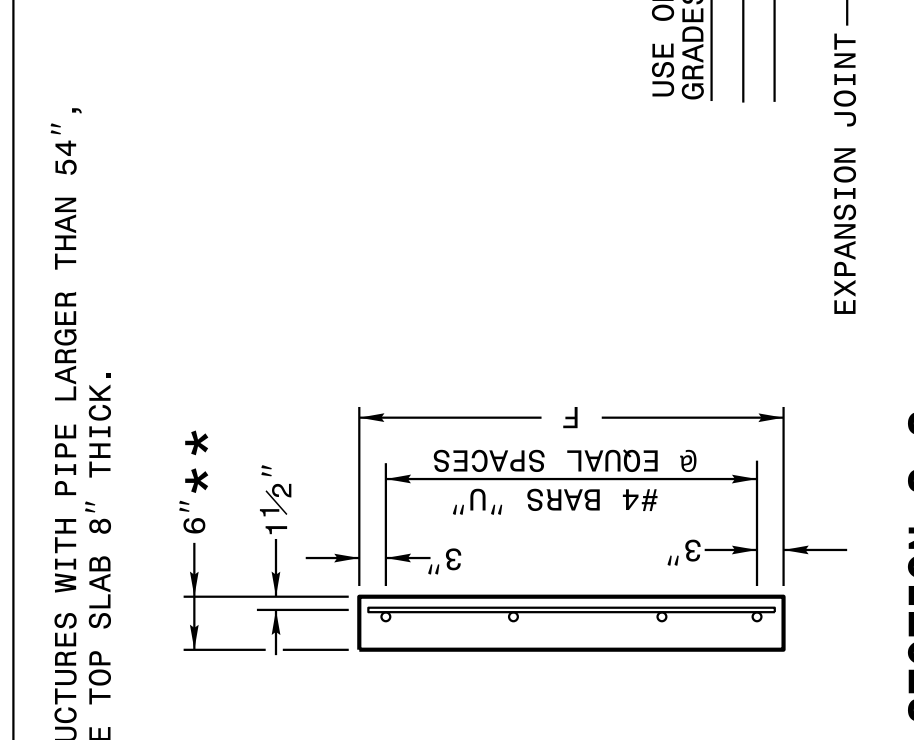
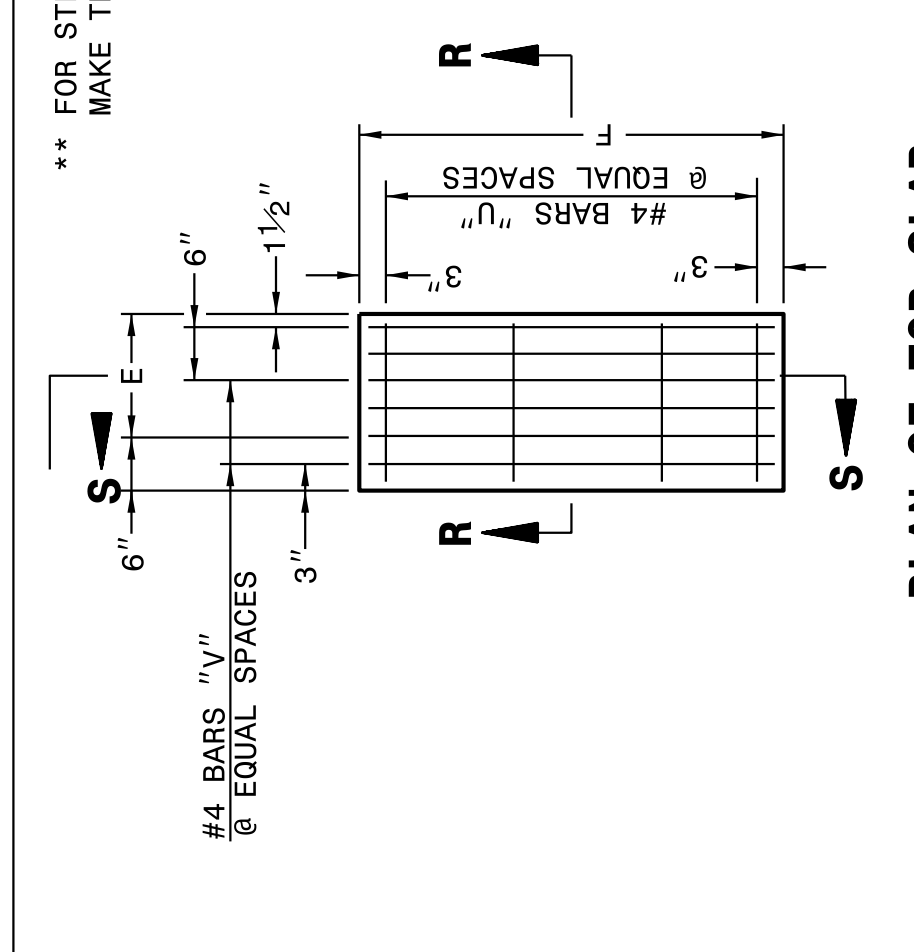
SHEET 1 OF 2
840D02

SHEET 1 OF 2
840D02

GENERAL NOTES:
 USE CLASS "B" CONCRETE THROUGHOUT.
 PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
 OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12 CENTERS AS DIRECTED BY THE ENGINEER.
 USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
 IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
 USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.
 * USE 6" WALLS FOR BOXES UP TO 8' IN HEIGHT. USE 8" WALLS, 8" BOTTOM SLAB AND 8" TOP SLAB FOR BOXES GREATER THAN 8' IN HEIGHT AND UP TO 20' IN HEIGHT.
 CHAMFER WITH PIPE CROWNS MATCHING.
 ** FOR STRUCTURES WITH PIPE LARGER THAN 54", MAKE THE TOP SLAB 8" THICK.

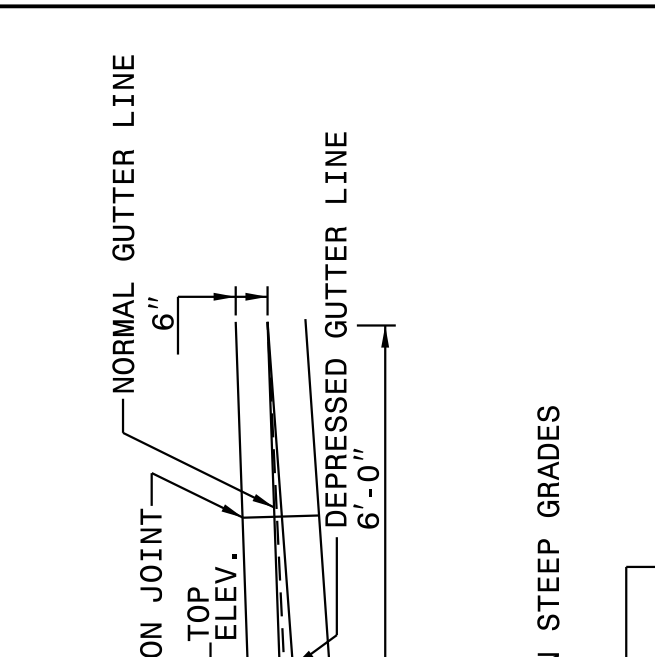
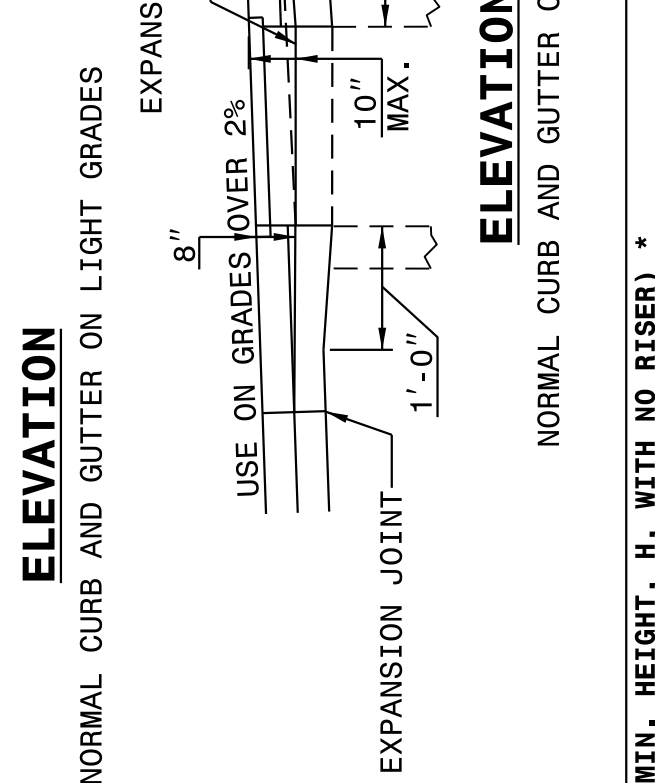
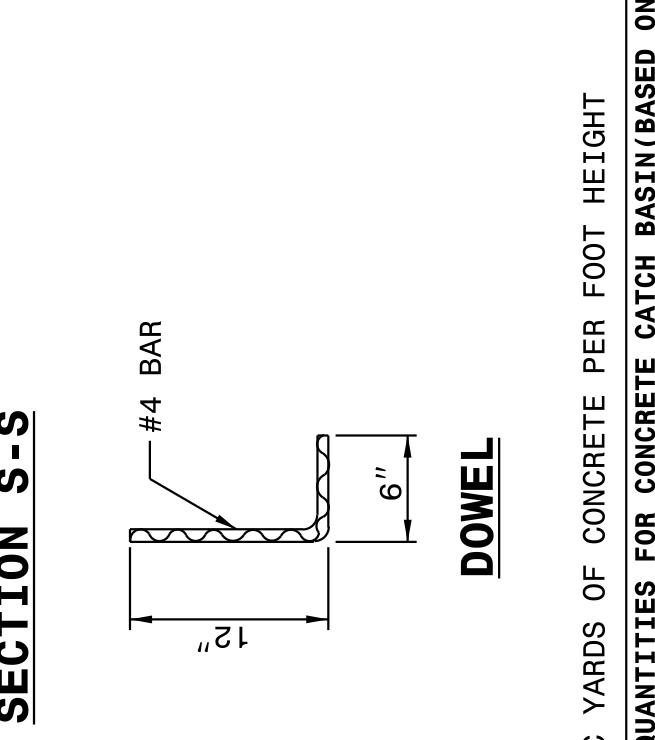
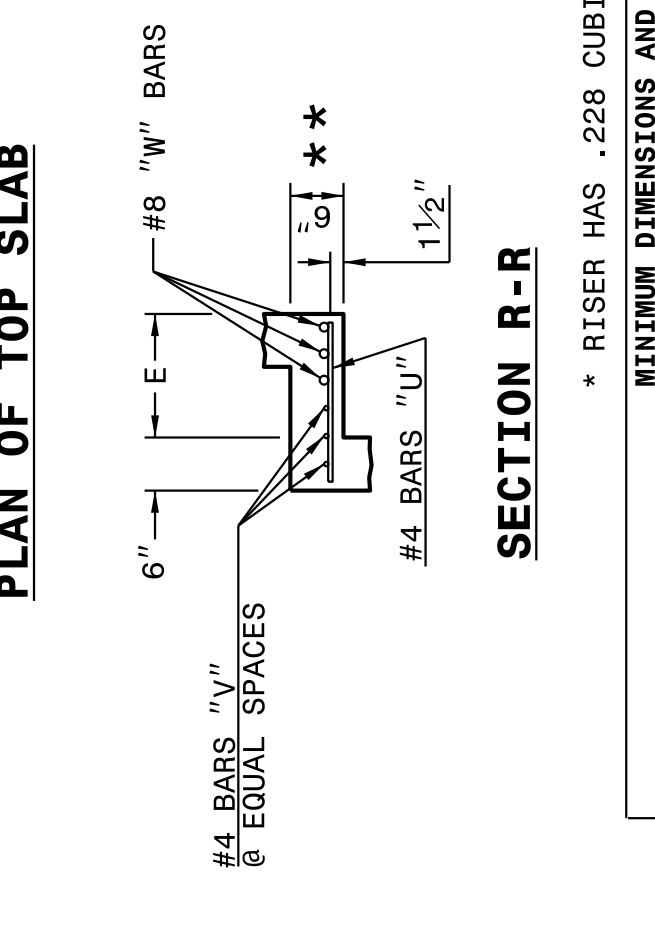
DETAIL SHOWING METHOD OF RISER CONSTRUCTION

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ENGLISH DETAIL DRAWING FOR
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 12" THRU 84" PIPE



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SHEET 2 OF 2
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SHEET 2 OF 2
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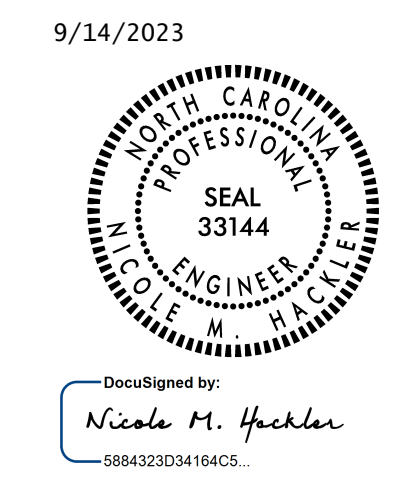
* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

PIPE D.	MINIMUM DIMENSIONS OF BOX AND PIPE			COVER DIMENSION			BARS-U			BARS-V			BARS-W			TOTAL			DEDUCTIONS		
	SPAN	WIDTH	HEIGHT	E	F	G	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	C.M.	R.C.	
12"	3'-0"	2'-2"	2'-0"	..	2'-0"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15"	3'-0"	2'-2"	2'-3"	..	2'-3"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18"	3'-0"	2'-2"	3'-1"	..	3'-1"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24"	3'-0"	2'-2"	3'-4"	..	3'-4"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30"	3'-0"	2'-2"	3'-10"	..	3'-10"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
36"	3'-0"	2'-2"	4'-5"	..	4'-5"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
42"	3'-0"	2'-2"	5'-0"	..	5'-0"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
48"	3'-0"	2'-2"	5'-7"	..	5'-7"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
54"	3'-0"	2'-2"	6'-3"	..	6'-3"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
60"	3'-0"	2'-2"	6'-11"	..	6'-11"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
66"	3'-0"	2'-2"	7'-6"	..	7'-6"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
72"	3'-0"	2'-2"	8'-1"	..	8'-1"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
78"	3'-0"	2'-2"	8'-9"	..	8'-9"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
84"	3'-0"	2'-2"	8'-9"	..	8'-9"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

CONTRACT STANDARDS AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: 2002 Std.840.01 DATE: _____
 MODIFIED BY: E.E. WARD DATE: 3-1-02
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: jhewerton/840d02 Extra_Depth CB.dgn



9/14/2023