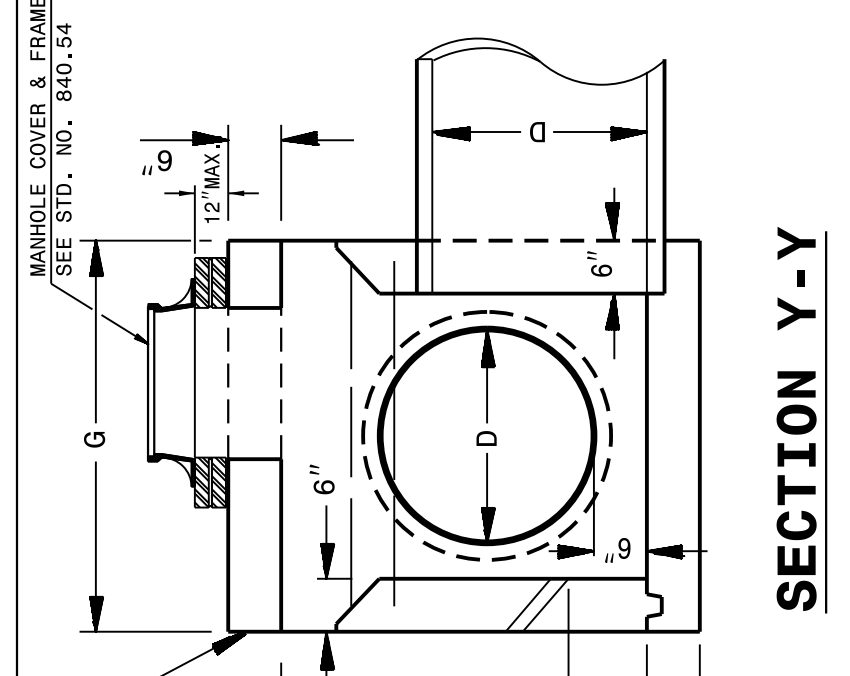
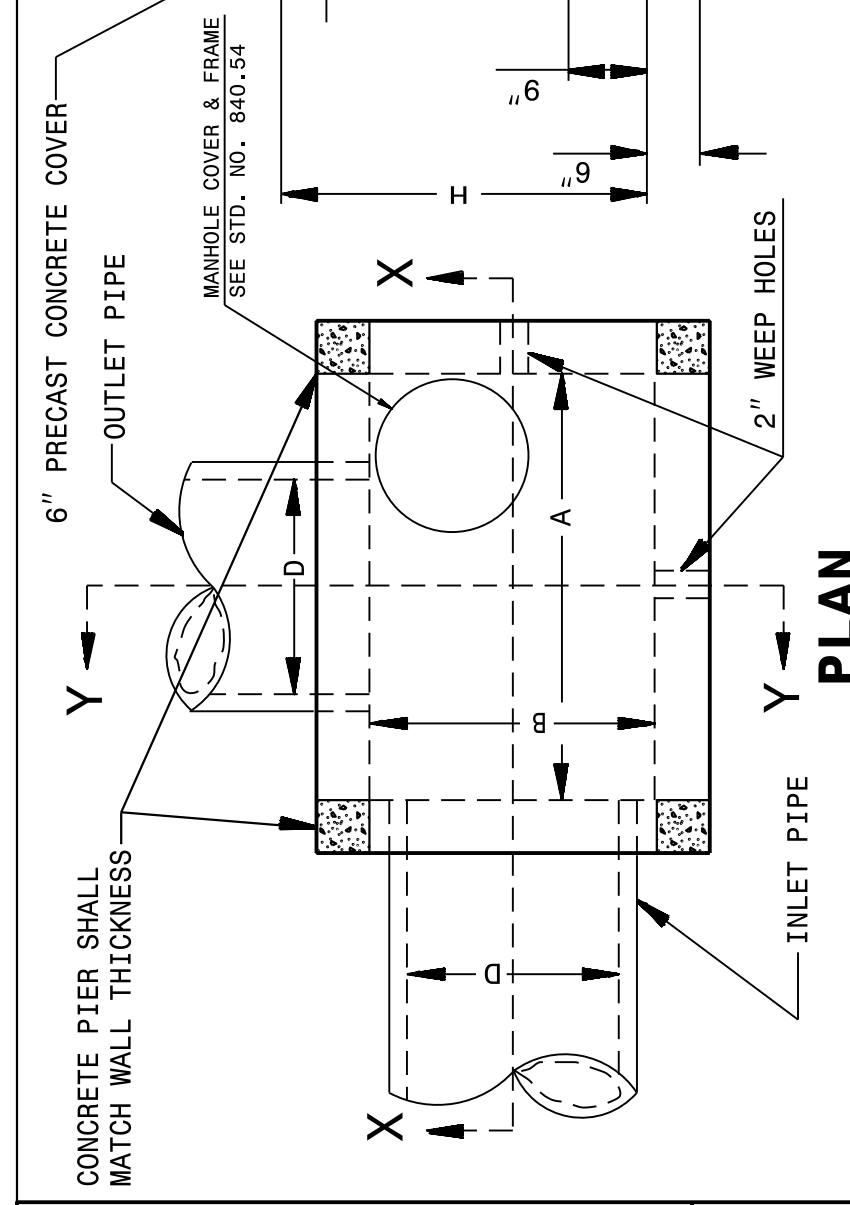


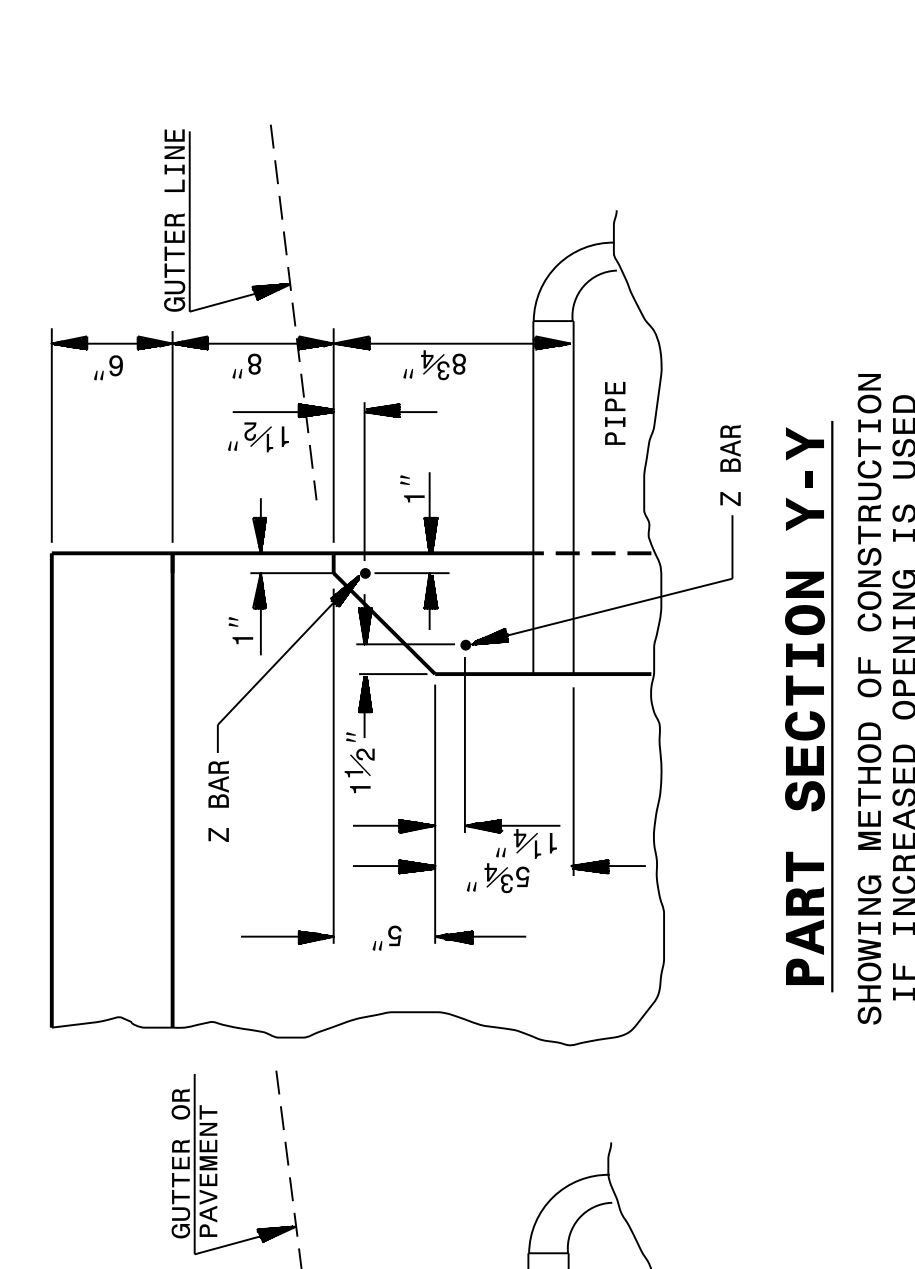
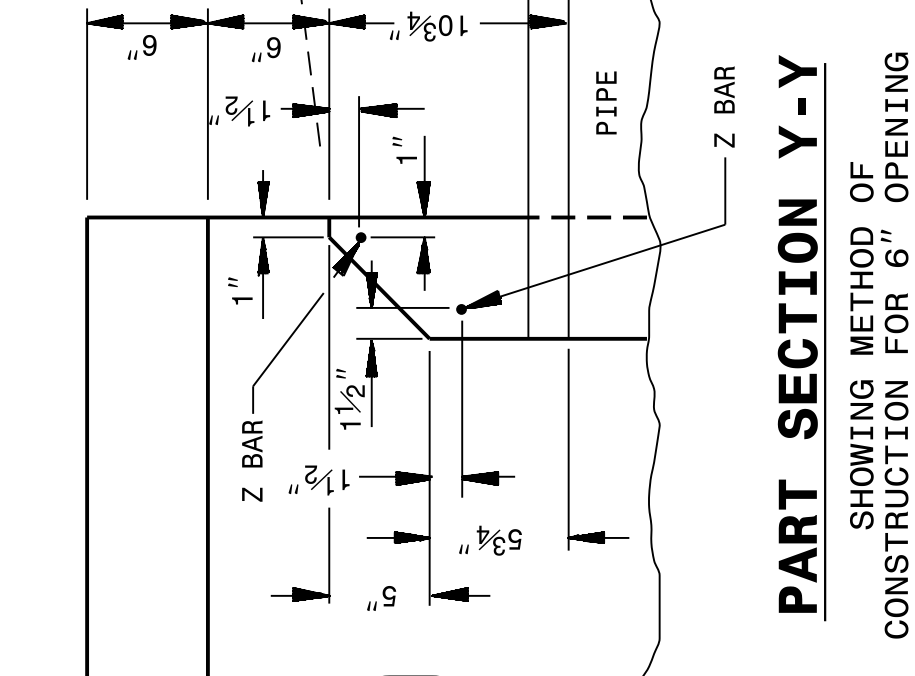
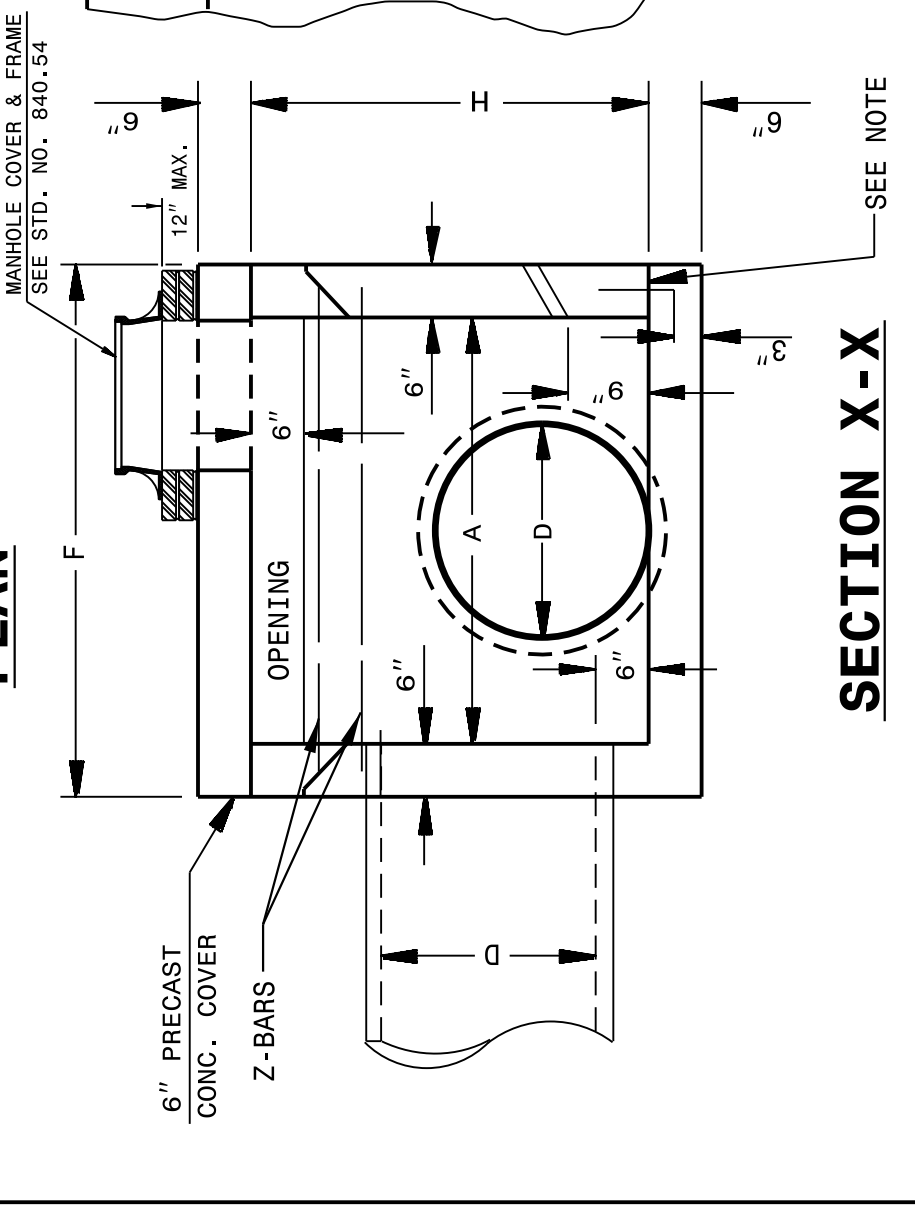
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GENERAL NOTES:
 ALL CATCH BASINS OVER 3'-6" IN DEPTH TO BE PROVIDED WITH STEPS 12" ON CENTERS. STEPS SHALL BE IN ACCORDANCE WITH STD. 840.66.
 ALL EXPOSED CORNERS TO BE CHAMFERED 1".
 CLASS "B" CONCRETE TO BE USED THROUGHOUT.
 2" PIPE WEEPHOLES TO BE PLACED AS DIRECTED BY THE ENGINEER.
 THE 6" OPENING SHALL BE INCREASED TO 8" MAXIMUM IF DEEMED TO BE NECESSARY BY THE ENGINEER.
 OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #5 BAR DOWELS FORMS ARE TO BE USED FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
 IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD TO BASE AS SHOWN ON STD. DWG. 840.00.
 A STONE DRAIN CONSISTING OF 1 CUBIC FOOT OF NO. 78M STONE CONTAINED IN A BAG OF POROUS FABRIC SHALL BE PLACED AT EACH WEEP HOLE.
 FOR 8" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB.
 OVER 8" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. QUANTITIES TO BE ADJUSTED ACCORDINGLY.
 DIMENSIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

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ENGLISH DETAIL DRAWING FOR
**CONCRETE CATCH BASIN
 (3 OR 4 SIDE OPEN THROAT)
 (MANHOLE OPTIONAL)**

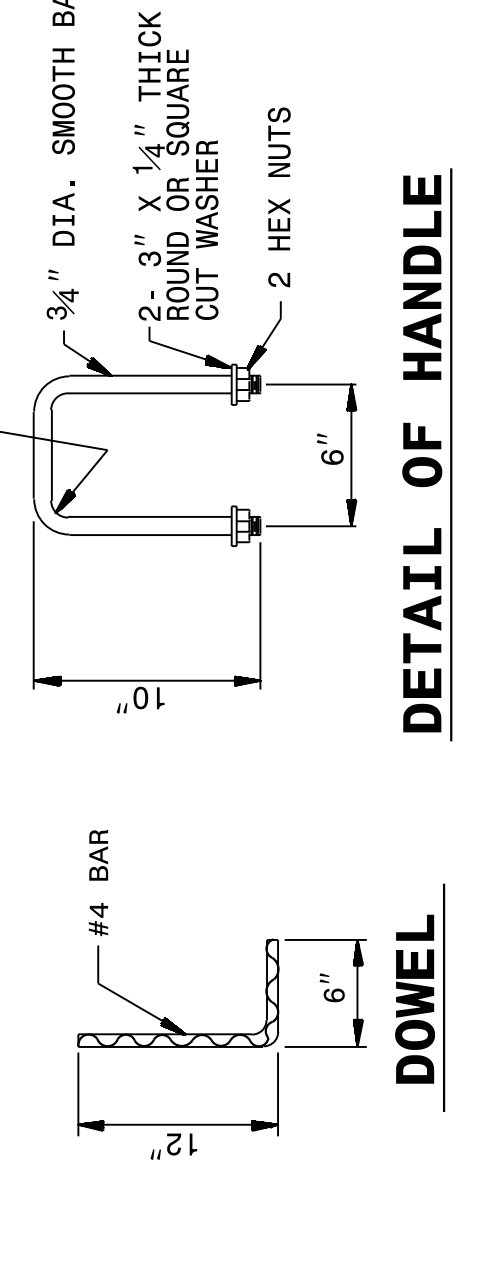
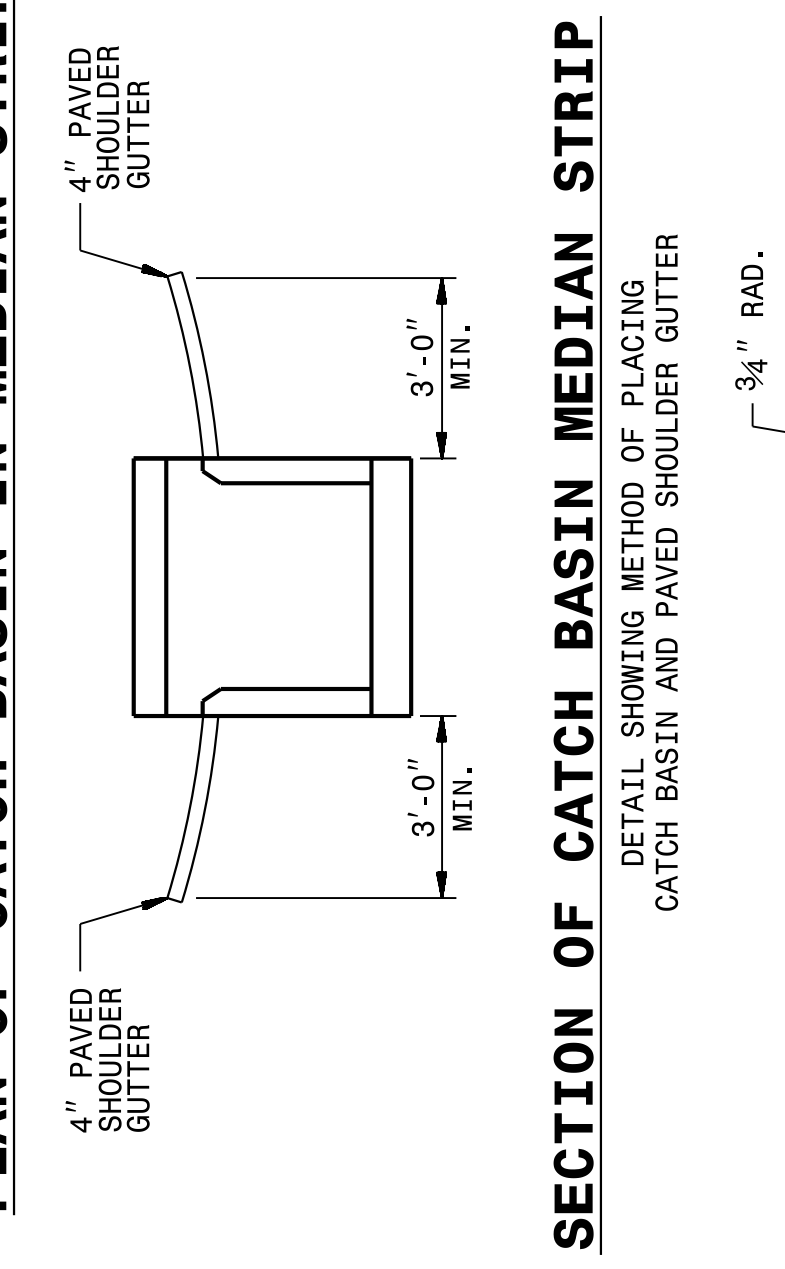
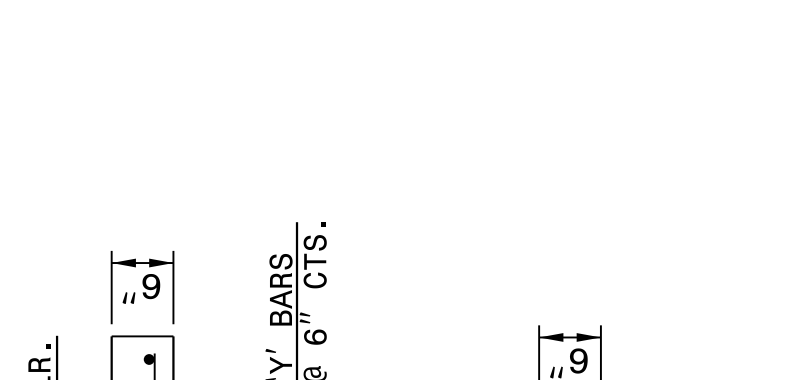
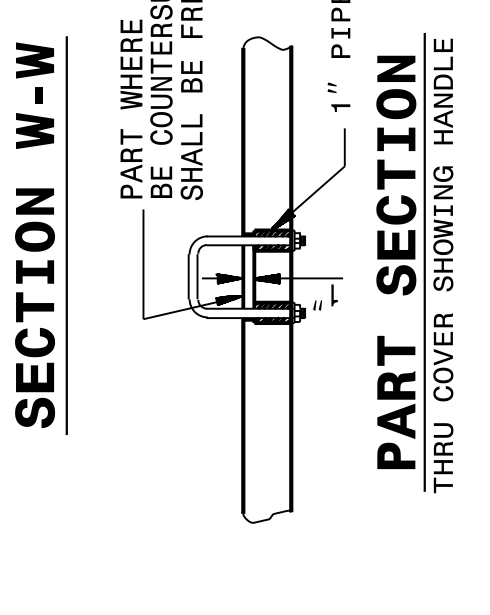
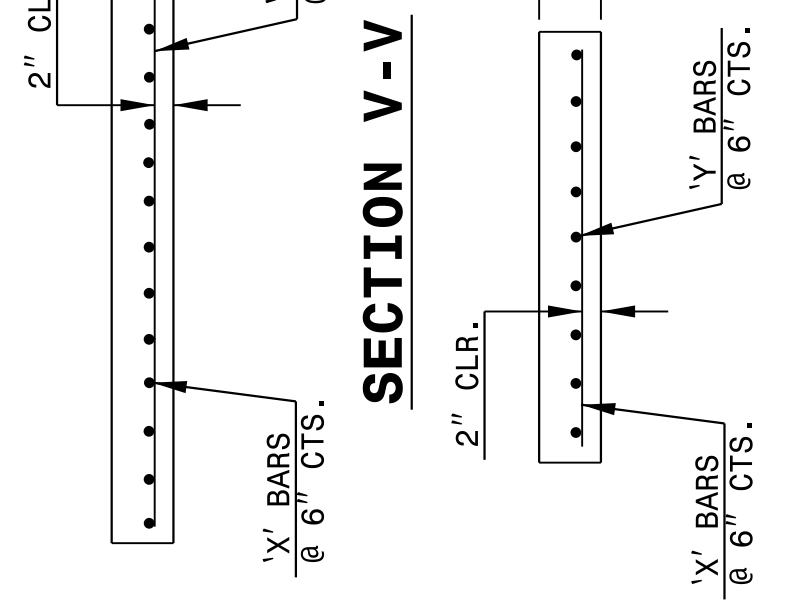
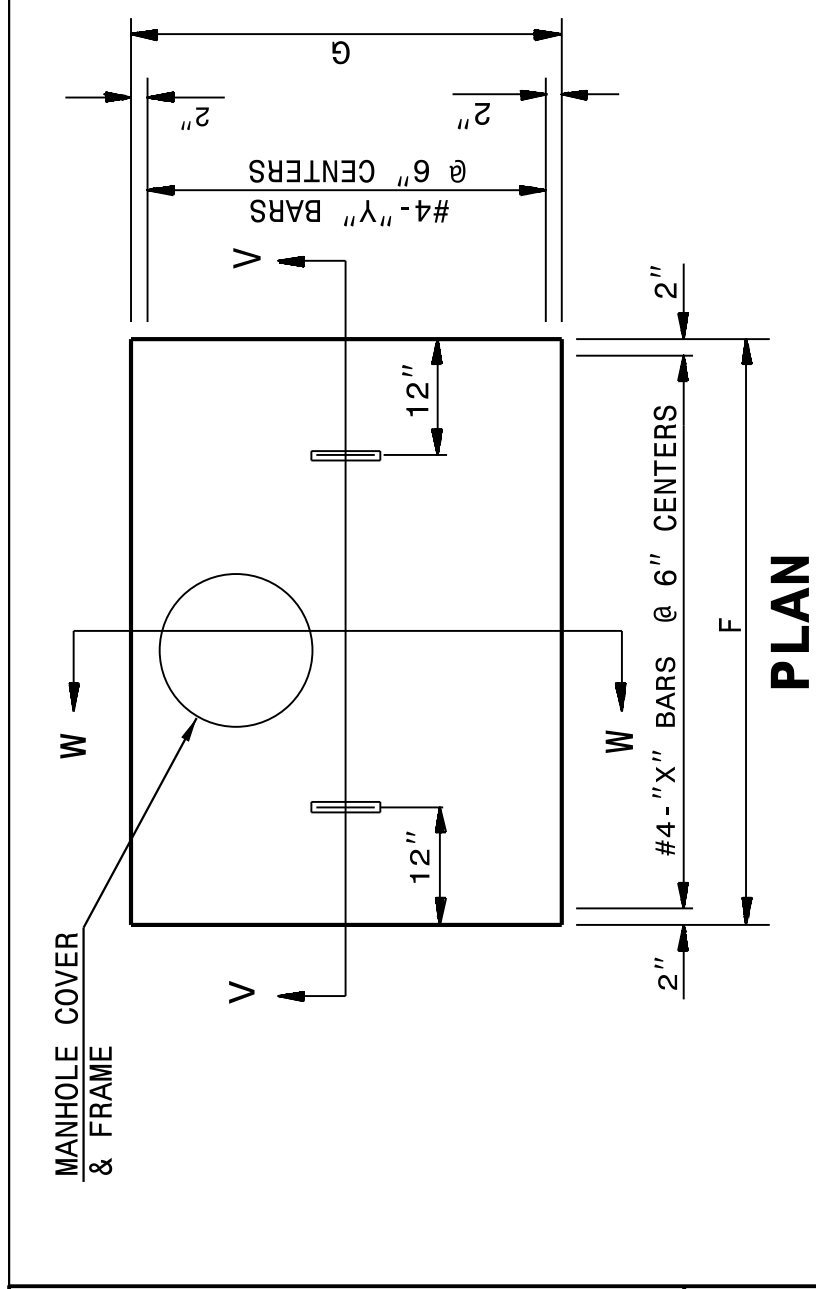


MIN. DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN (BASED ON MIN. HEIGHT, H)

PIPE DIM'S OF BOX & PIPE	REINFORCING			TOP & BOT. SLAB DIMENSIONS			CU. YDS. CONC. IN BOX			TOTAL QUANTITIES BOX & SLABS			DEDUCTION ONE PIPE 6" THROAT OPENING		
	SPAN	WIDTH	HEIGHT	BAIRS - X	BAIRS - Y	BAIRS - Z	F	G	H	TOP SLAB (BOT. SLAB)	REIN. (FT. H)	REIN. (YD ³)	R. C.	R. C.	YD ³
12"	3'-6"	2'-3"	1'-10"	4	3'-0"	6	4'-3"	4'-6"	3'-3"	0.181	0.271	1.046	0.015	0.032	0.046
15"	3'-6"	2'-3"	2'-1"	4	3'-0"	6	4'-3"	4'-6"	3'-3"	0.181	0.271	1.046	0.015	0.032	0.046
18"	4'-0"	2'-8"	2'-4"	5	3'-5"	7	4'-9"	5'-0"	3'-8"	0.226	0.340	1.379	0.033	0.049	0.063
24"	4'-0"	2'-8"	2'-10"	5	3'-5"	7	4'-9"	5'-0"	3'-8"	0.226	0.340	1.379	0.033	0.049	0.063
30"	4'-0"	3'-6"	3'-4"	5	4'-3"	9	4'-9"	5'-0"	4'-6"	0.278	0.417	1.315	0.043	0.059	0.073
36"	4'-0"	4'-6"	4'-4"	5	5'-3"	12	5'-3"	6'-0"	5'-6"	0.340	0.510	1.352	0.051	0.067	0.081
42"	5'-0"	4'-6"	4'-4"	5	5'-3"	12	5'-3"	6'-0"	5'-6"	0.340	0.510	1.352	0.051	0.067	0.081
48"	5'-0"	5'-0"	4'-10"	5	5'-9"	13	5'-9"	6'-0"	6'-0"	0.444	0.666	1.407	0.068	0.084	0.098

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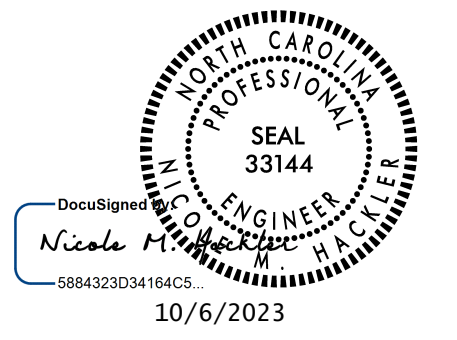
ENGLISH DETAIL DRAWING FOR
**CONCRETE CATCH BASIN
 (3 OR 4 SIDE OPEN THROAT)
 (MANHOLE OPTIONAL)**

SHEET 2 OF 2
840D04

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

SEE PLATE FOR TITLE

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: rnbritt DATE: 07-03-2014
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