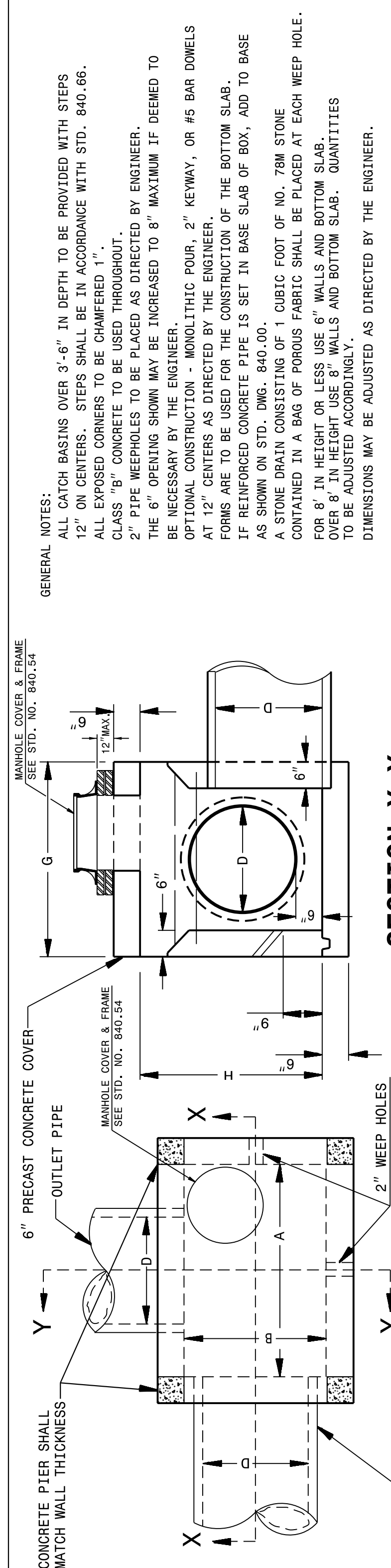


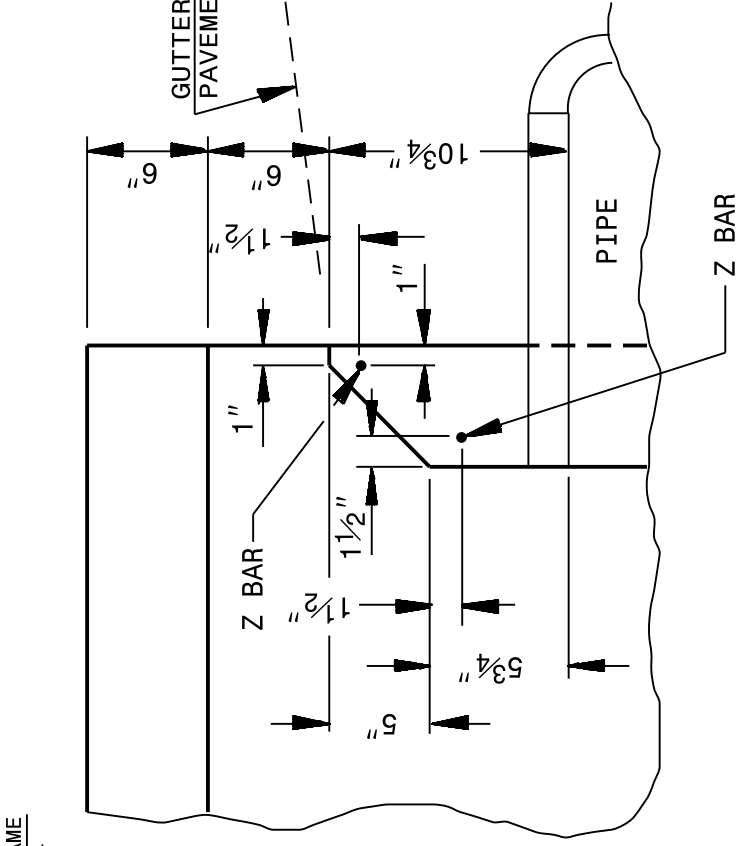
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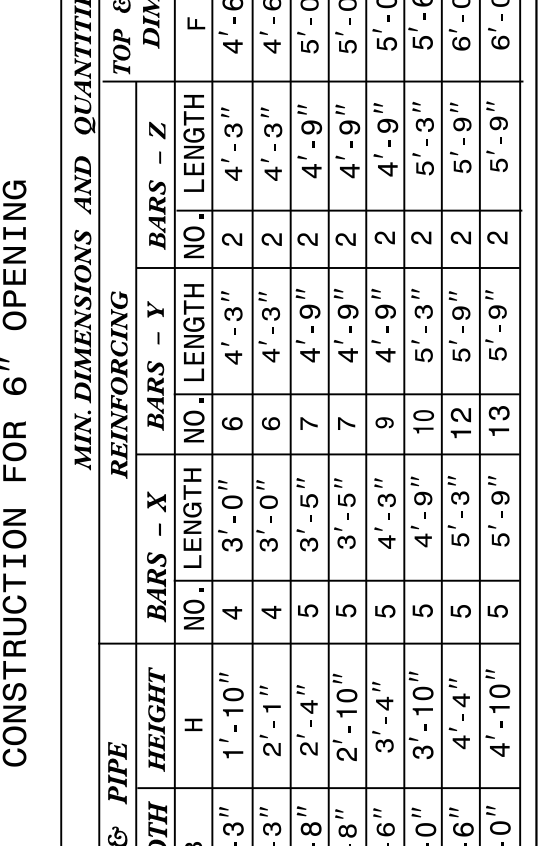
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 RALEIGH, N.C.



SECTION Y-Y



SECTION X-X



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

SHEET 1 OF 2
840D04

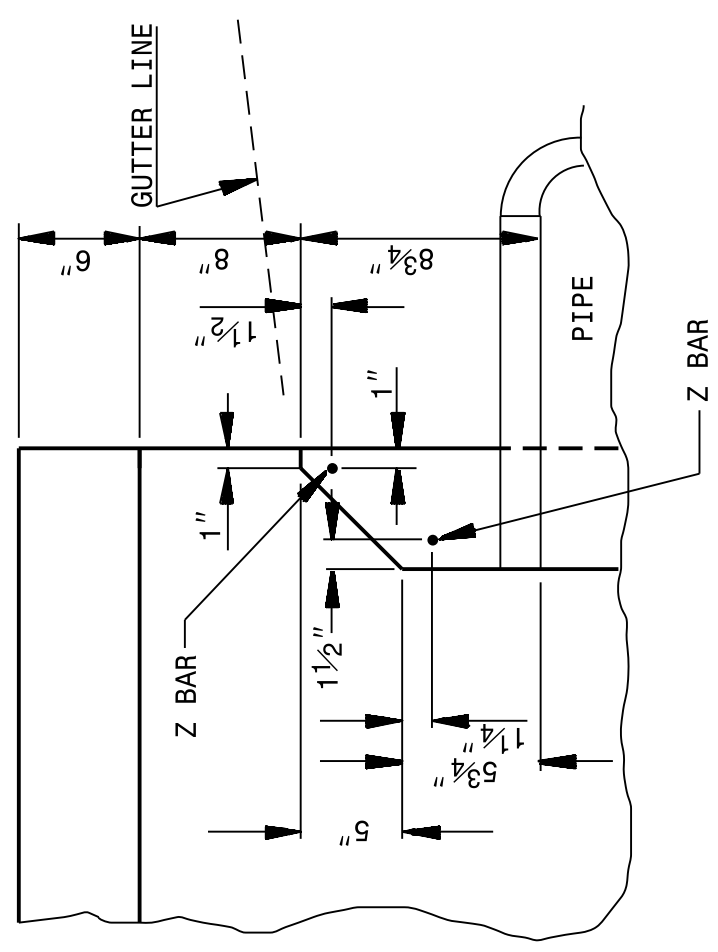
GENERAL NOTES:
 ALL CATCH BASINS OVER 3'-6" IN DEPTH TO BE PROVIDED WITH STEPS 12" ON CENTERS. STEPS SHALL BE IN ACCORDANCE WITH STD. 840.66. ALL EXPOSED CORNERS TO BE CHAMFERED 1". CLASS "B" CONCRETE TO BE USED THROUGHOUT.
 2" PIPE WEEPHOLES TO BE PLACED AS DIRECTED BY ENGINEER.
 THE 6" OPENING SHOWN MAY 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.

ENGLISH DETAIL DRAWING FOR
CONCRETE CATCH BASIN
 (3 OR 4 SIDE OPEN THROAT)
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SHEET 1 OF 2
840D04

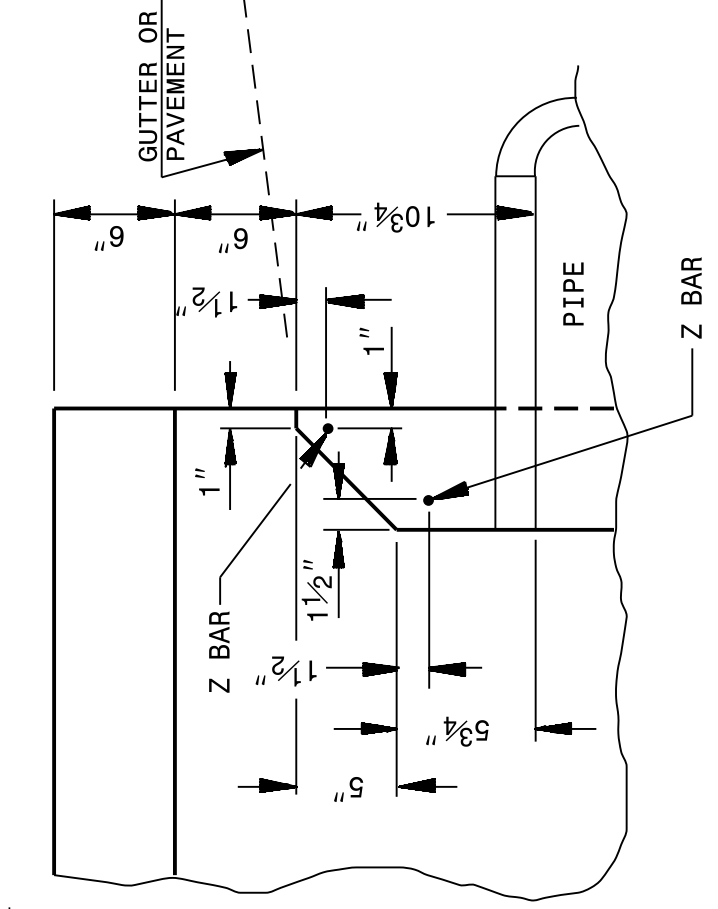
PART SECTION Y-Y

SHOWING METHOD OF CONSTRUCTION IF INCREASED OPENING IS USED



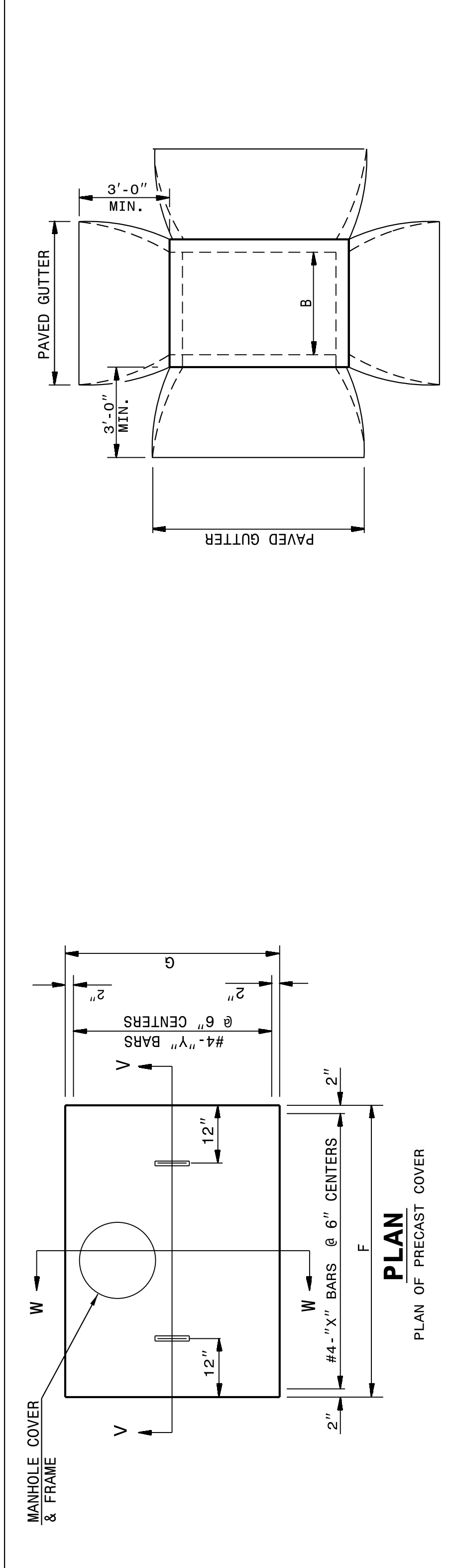
PART SECTION Y-Y

SHOWING METHOD OF CONSTRUCTION FOR 6" OPENING

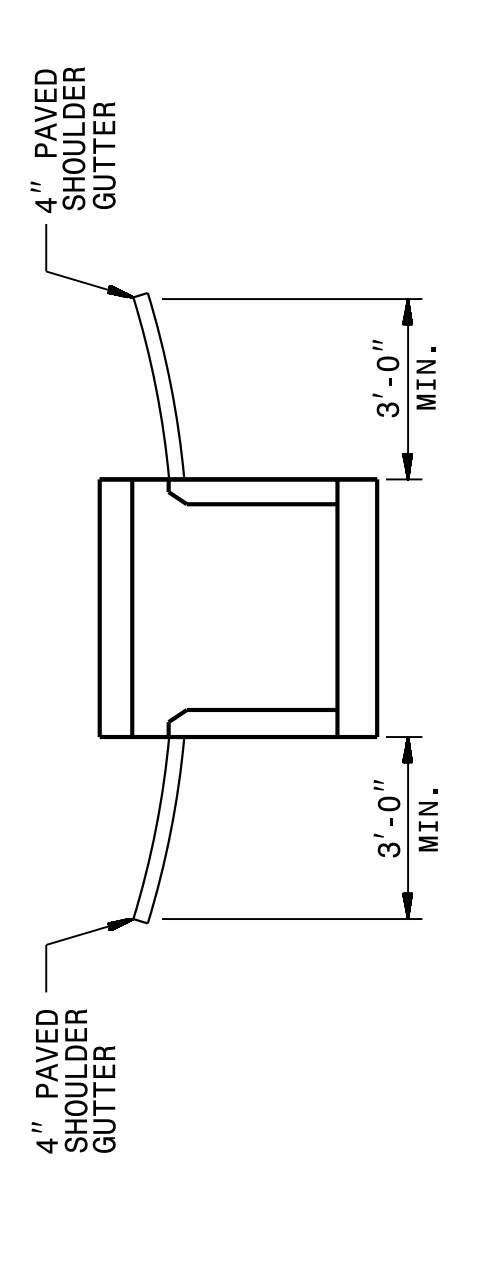


PIPE DIM'S OF BOX & PIPE	MIN. DIMENSIONS AND REINFORCING			TOTAL QUANTITIES FOR CONCRETE CATCH BASIN (BASED ON MIN. HEIGHT, H)			DEDUCTION ONE PIPE THROUGH OPENING
	SPAN	WIDTH	HEIGHT	CU. YDS. CONC. IN BOX	BOX & SLABS	R. C.	
D	A	B	H	BAKRS - X	BAKRS - Y	BAKRS - Z	DED ONE 6" THROUGH OPENING
				NO. LENGTH	NO. LENGTH	NO. LENGTH	YD ³
12"	3'-6"	2'-3"	1'-10"	4	3'-0"	2	0.181
15"	3'-6"	2'-3"	2'-1"	4	3'-0"	2	0.271
18"	4'-0"	2'-8"	2'-4"	5	3'-5"	2	0.271
24"	4'-0"	2'-8"	2'-10"	5	3'-5"	2	0.284
30"	4'-0"	3'-6"	3'-4"	5	4'-3"	2	0.278
36"	4'-0"	3'-6"	3'-10"	5	4'-9"	2	0.340
42"	5'-0"	4'-6"	4'-4"	5	5'-3"	2	0.407
48"	5'-0"	4'-6"	4'-10"	5	5'-9"	2	0.444

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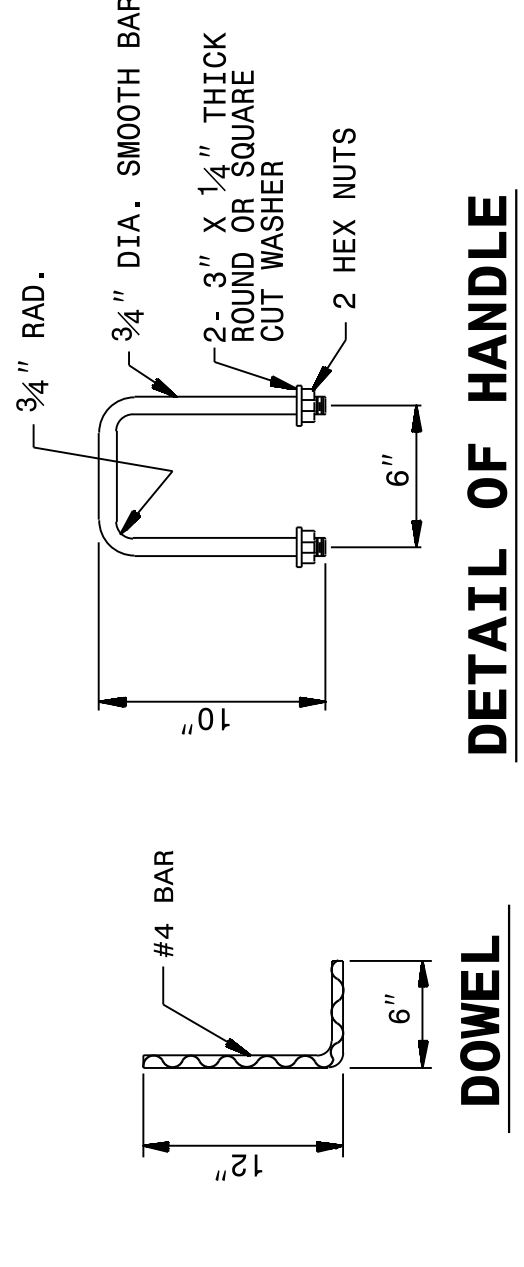


PLAN OF CATCH BASIN IN MEDIAN STRIP



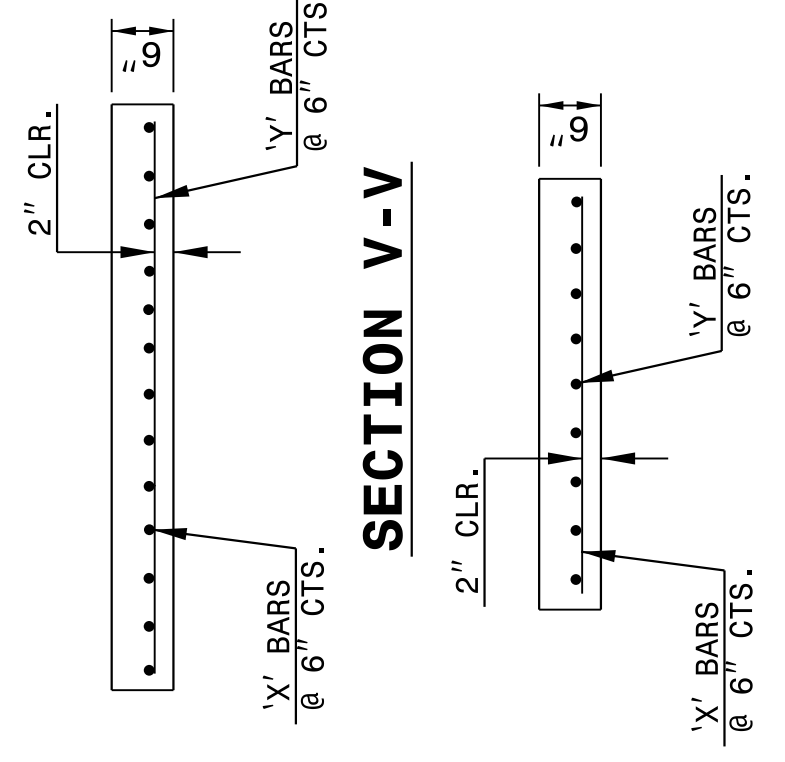
SECTION OF CATCH BASIN MEDIAN STRIP

DETAIL SHOWING METHOD OF PLACING CATCH BASIN AND PAVED SHOULDER GUTTER



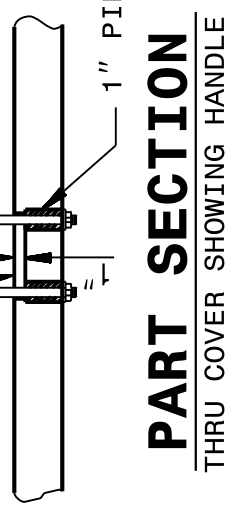
SECTION V-V

2" CLR.



SECTION W-W

PART WHERE HANDLE IS LOCATED SHALL BE COUNTERSUNK 1" AND HANDLE SHALL BE FREE TO MOVE UP AND DOWN.



PART SECTION THRU COVER SHOWING HANDLE

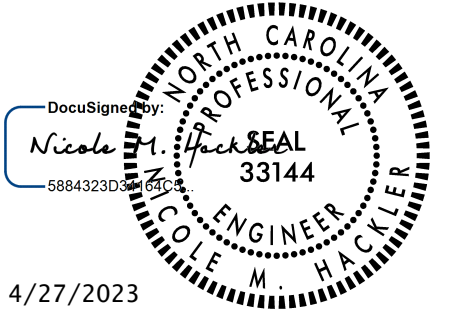
SHEET 2 OF 2
840D04

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

SEE PLATE FOR TITLE

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: rnbritt DATE: 07-03-2014
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: details/rnbritt/english/hydro/840d04.dgn

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



4/27/2023

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED