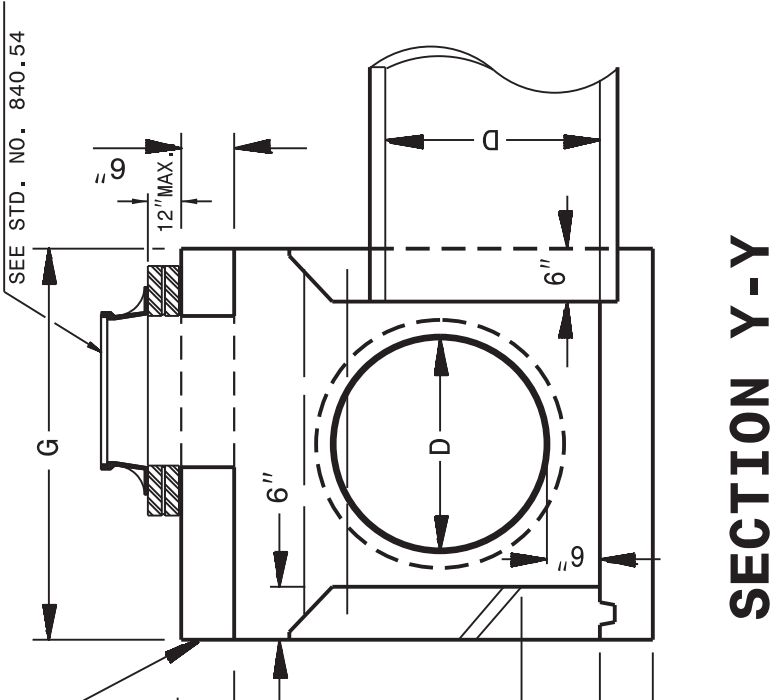
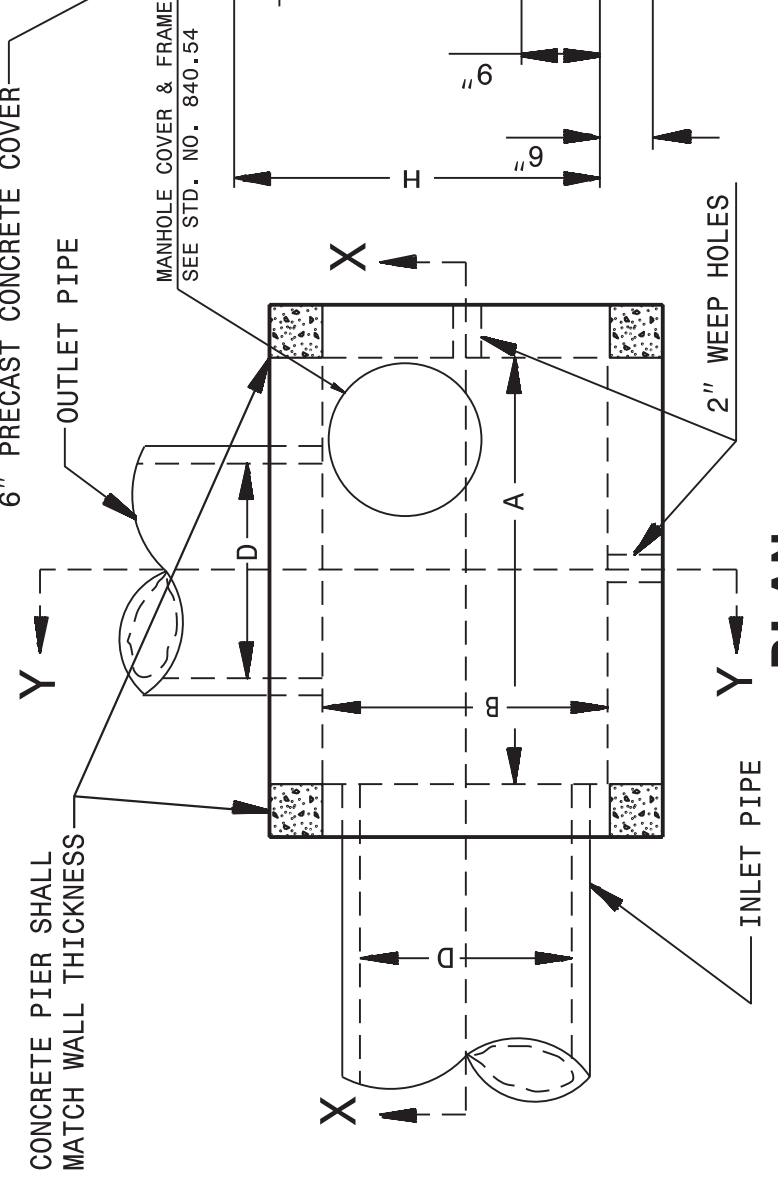


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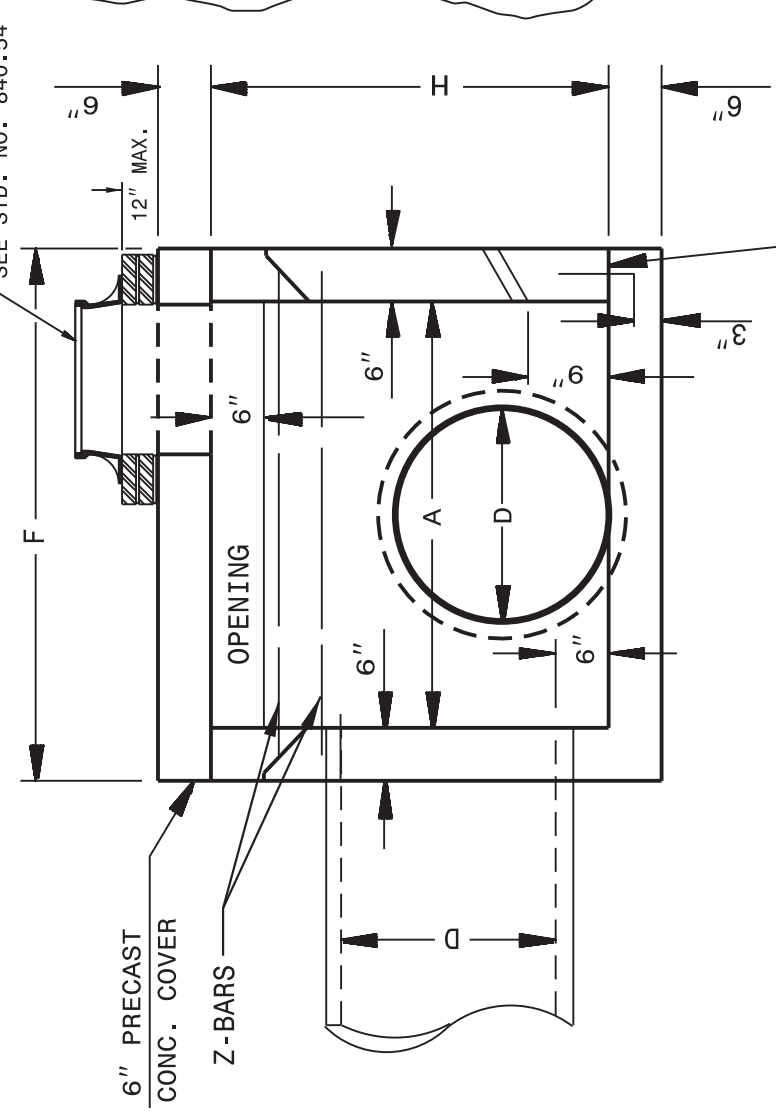
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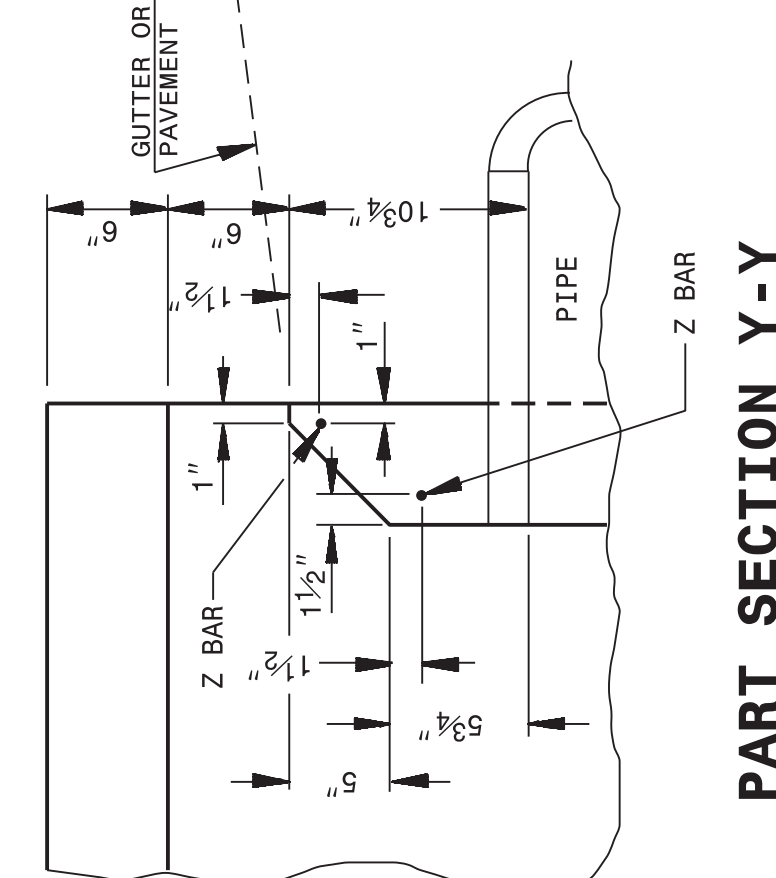


SECTION Y-Y

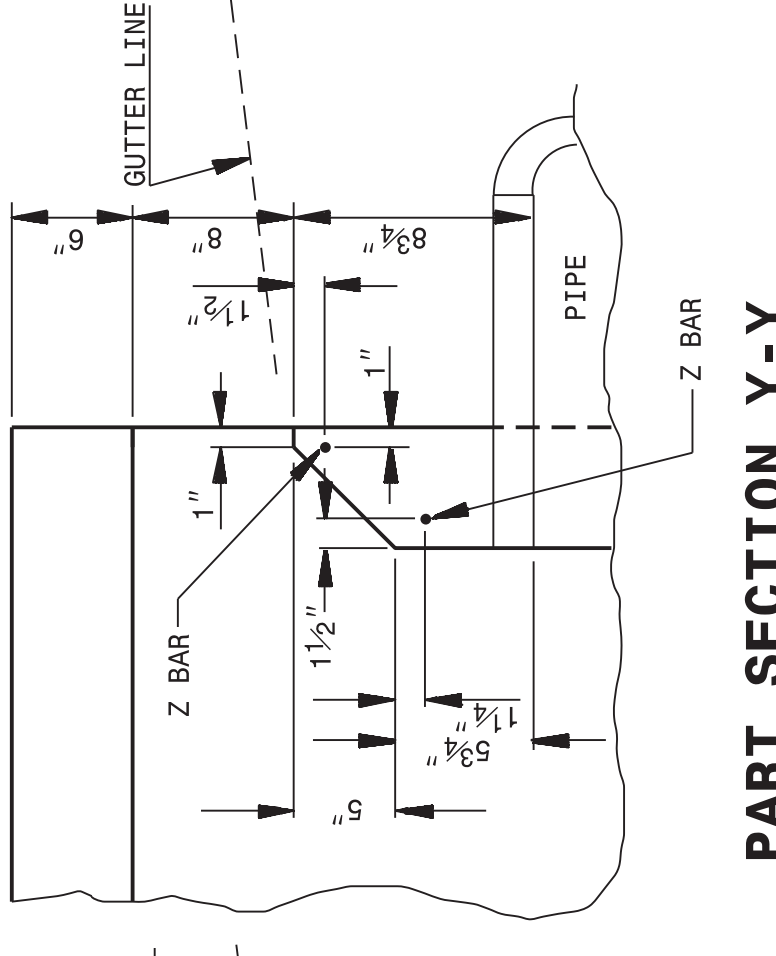
ENGLISH DETAIL DRAWING FOR
CONCRETE CATCH BASIN
 (3 OR 4 SIDE OPEN THROAT)
 (MANHOLE OPTIONAL)



SECTION X-X



PART SECTION Y-Y



PART SECTION Y-Y

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 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)

PART SECTION Y-Y
 SHOWING METHOD OF CONSTRUCTION
 IF INCREASED OPENING IS USED

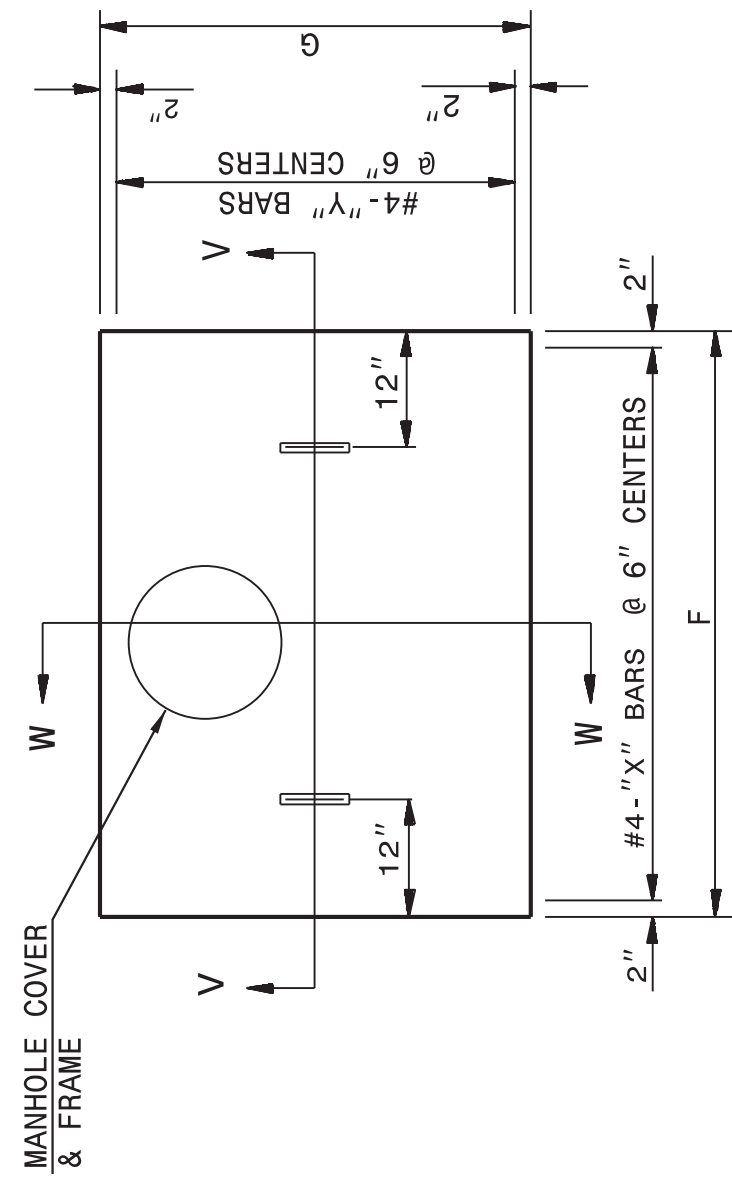
PART SECTION Y-Y
 SHOWING METHOD OF
 CONSTRUCTION FOR 6" OPENING

PIPE DIM'S OF BOX & PIPE	MIN. DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN (BASED ON MIN. HEIGHT, H)				TOTAL QUANTITIES		DEDUCTION ONE PIPE THROUGH OPENING								
	REINFORCING		DIMENSIONS		BOX & SLABS	R. C.									
PIPE SPAN	WIDTH	HEIGHT	NO. BARS - X	NO. BARS - Y	NO. BARS - Z	CU. YDS. CONC.	TOP SLAB (BOT. SLAB)	WALLS (FT. HT. LES. REIN.)	PIPE	C. S.	R. C.				
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	0.053
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	0.053
30"	4'-0"	3'-6"	3'-4"	5	4'-3"	9	4'-9"	5'-0"	4'-6"	0.278	0.417	1.315	0.035	0.059	0.063
36"	4'-0"	3'-6"	3'-10"	5	4'-3"	12	5'-3"	5'-9"	5'-0"	0.340	0.510	1.352	0.037	0.059	0.063
42"	5'-0"	4'-6"	4'-4"	5	5'-3"	12	5'-3"	6'-0"	5'-6"	0.407	0.611	1.389	0.040	0.069	0.066
48"	5'-0"	4'-6"	4'-10"	5	5'-9"	13	5'-9"	6'-0"	6'-0"	0.444	0.666	1.407	0.042	0.078	0.066

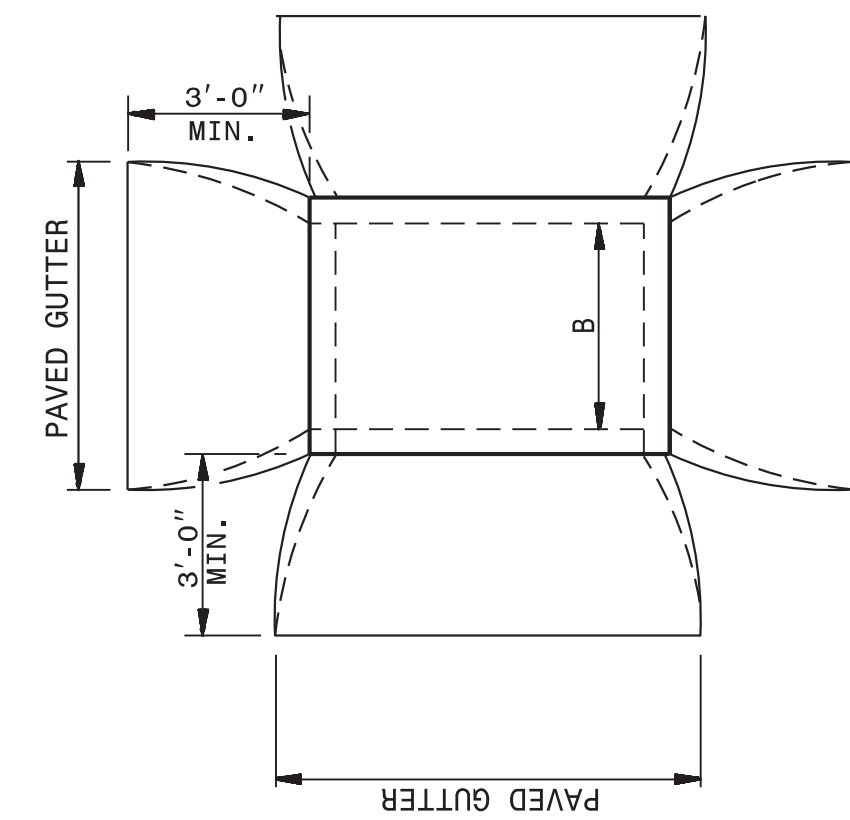
SHEET 1 OF 2
840D04

SHEET 1 OF 2
840D04

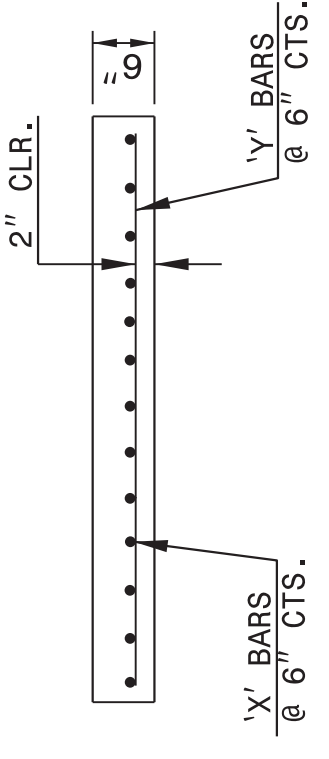
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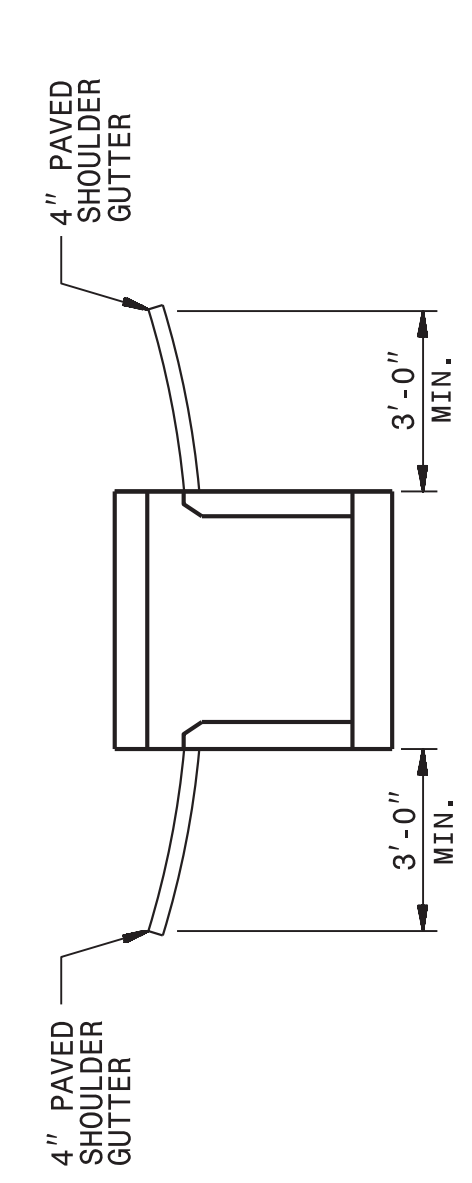
PLAN OF PRECAST COVER



PLAN OF CATCH BASIN IN MEDIAN STRIP



SECTION V-V

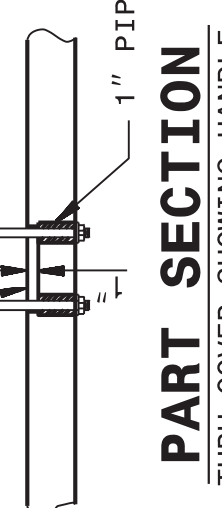


SECTION OF CATCH BASIN MEDIAN STRIP

DETAIL SHOWING METHOD OF PLACING
 CATCH BASIN AND PAVED SHOULDER GUTTER

SECTION W-W

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

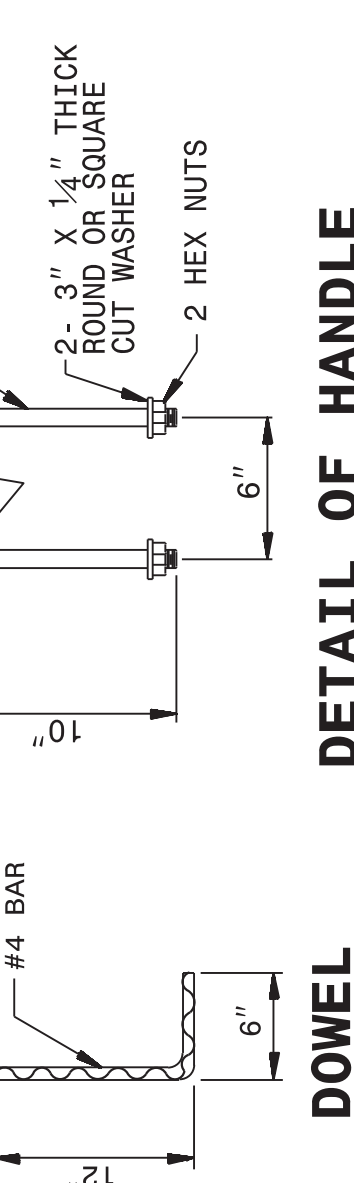


PART SECTION
 THRU COVER SHOWING HANDLE

SHEET 2 OF 2
840D04

SHEET 2 OF 2
840D04

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



DETAIL OF HANDLE

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

DOCUMENT NOT CONSIDERED FINAL
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8/2/2022