

		STEEL IN BASE SEC	TION. ANGED REINFORCING		STEEL. REV. 7-1 SPECIFI	29-02: Cation I	CHANGED A N GENERAL	NOTE (Ĉ.		REV. 5-27-01: ITEMS IN GENER CATCH BASIN MA	
D COUAIL COU		REINFORCING STEEL LEGEND									
SECTION D-D		23" 14" 116" VARIABLE			A501 A502 A503 A504 A505				115″	°℃ H500	
SPACES OF		INSIDE WIDTH OF CATCH BASIN (INCHES)			DUTSIDE WIDTH F CATCH BASIN (INCHES)		INLET OR MAX. INLET ET CONC. OUTLET CONC IZE - STR. PIPE SIZE - (INCHES)		ET CONC. SIZE - 90°	DIMENSION C (INCHES)	
└──2″ CLEAR		108	10		128			78		72	4.5
CATCH BASIN MINIMUM DEPTH TABLE											
						INS	IDE			M DEPTH - (
CUT-O INSIDE	-	R INLET & OUTL			DIAMET (X) OF			CONCRE ⁻ PIPE	TE	CORRUGATED Metal pipe	POLYETHYLENE
DIAMETER (X) OF PIPE CONCRETE		F & G - (INCHES) CORRUGATED POLYETHYLENE		IF			8	5.13		4.92	PIPE 5.04
(INCHES)	PIPE	METAL PIPE	PIPE			2	4	5.63		5.42	5.58
18	26	21	24			3	0	6.21		5.92	6.17
	24 32 30 40		31		36		6.75		6.46	6.67	
	30 40 30 47		45		42		2	7.29		6.96	7.13
	36 47 42 54		50		48		8	7.83		7.46	7.63
48	61	46	56		54			8.38		7.96	
	<u> </u>				60		0	8.92		8.46	
	60 75				66			9.46		8.96	
66 82		70			72			10.00		9.46	<u></u>
72	89	76						10.54		9.96	
128916—789682—789682—CUT- OUT HOLES FOR PRECAST STRUCTURES TO BE CORED OR FORMED IN ORDER TO OBTAIN A SMOOTH EDGED HOLE. SCORED OR ETCHED HOLES WITH REINFORCING STEEL LEFT UNCUT WILL NOT BE PERMITTED.(1) DEPTH MEASUREMENT MADE FROM TOP OF GRATE TO OUTLET FLOW ELEVATION BASED ON INLET AND OUTLET PIPES BEING THE SAME MUST BE MADE TO ACCOMMODATE THIS SITUATION.(2) TO DETERMINE FLOOR OF CATCH BASIN ELEVATION, WHEN INLET AND OUTLET PIPES ARE THE SAME SIZE, ADD PIPE WALL THICKNESS PLUS 1.5" TO THE ABOVE MINIMUM DEPTHS.											
		GENERA	L NOTES							1	
DRAWING TO BE USED CAST-IN-PLACE CONC SECTION 611 AND/OF	CRETE CATCH BAS R SPECIAL PROVI	IN-PLACE AND ALL Ins shall be con sions.	PRECAST NO. 31 (Structed in accor	rdan(CE WITH	I STAND,	ARD SPEC		·		
THE CONTRACTOR MAY CATCH BASINS PROVI THIS DRAWING.	DED THAT ALL P	RECAST ELEMENTS I	MEET ASTM M913 (C								
CONCRETE: F _c = 4, REINFORCING STEEL ALL REINFORCING I	: ASTM A615, F s to be install	_y = 60,000 POUNDS ed as detailed on	PER SQUARE INCH THIS DRAWING.			1 14/ 7 1 1					
PRECAST CATCH BASI Shall be the respo									NSE.		DR REVISION FHWA

A 500 A 500 A 500	3"		STEEL IN BASE SECT	ION. NGED REINFORCING	STEEL. REV. 7- SPECIFI	30-02: MODIFIE 29-02: CHANGED CATION IN GENER	ASTM AL NOTE (C).		CHANGED PAY Ral note (J. added aximum depth note.
A500 A500			43" 23" 14"	CING STEEL - A500 A501 A502 A503 A504	х С Е				
			VARIABLE A505 CATCH BASIN DIMENSIONS INSIDE WIDTH WALL OUTSIDE WIDTH OUTSIDE WIDTH MAX. INLET OR OUTLET CONC. MAX. INLET OR OUTLET CONC.						
—— A500 —— A500	3"1 LEAR		OF CATCH BASIN (INCHES) 108	THICKNESS W (INCHES) 10	OF CATCH (INCHI 128	ES) PIPE (OUTLET CONC. PIPE SIZE - 90° (INCHES) 72	C (INCHES) 4.5
	CATCH BASIN MINIMUM DEPTH TABLE								
	CUT-OU INSIDE		R INLET & OUTLE			INSIDE DIAMETER (X) OF PIPE (INCHES)	M Concrete Pipe	INIMUM DEPTH - (CORRUGATED METAL PIPE	POLYETHYLENE
	DIAMETER (X) OF PIPE (INCHES)	CONCRETE	F & G - (INCHE CORRUGATED METAL PIPE		NE	18	5.13	4.92	PIPE 5.04 5.58
R	18	26	21	24		30	6.21	5.42	6.17
	24 30	32	27	31		36	6.75	6.46	6.67
	36				42	7.29	6.96	7.13	
	42				48	7.83	7.46	7.63	
	48				54 60	8.38	7.96		
	54	68	58			66	9.46	8.96	
	60	75	64			72	10.00	9.46	
	66	82	70			78	10.54	9.96	+
	72	89	76						TE TO OUTLET FLOW
	78	96	82			ELEVATION DIAMETER,	BASED ON INL IF OUTLET PI	ET AND OUTLET PI PE IS GREATER AD	PES BEING THE SAME JUSTMENT IN DEPTHS
CUT- OUT HOLES FOR PRECAST STRUCTURES TO BE CORED OR FORMED IN ORDER TO OBTAIN A SMOOTH EDGED HOLE. SCORED OR ETCHED HOLES WITH REINFORCING STEEL LEFT UNCUT WILL NOT BE PERMITTED. MI NT									
			GENERAL	NOTES					
	DRAWING TO BE USED CAST-IN-PLACE CONCR SECTION 611 AND/OR THE CONTRACTOR MAY CATCH BASINS PROVID THIS DRAWING. CONCRETE: F _c = 4,00 REINFORCING STEEL: ALL REINFORCING IS	ETE CATCH BAS SPECIAL PROVI WITH PERMISSI ED THAT ALL P DO POUNDS PER ASTM A615, F	INS SHALL BE CONS SIONS. ON FROM THE ENGIN RECAST ELEMENTS M SQUARE INCH AT 28 P y = 60,000 POUNDS P	TRUCTED IN ACCO EER SUBSTITUTE EET ASTM M913 (DAYS ER SQUARE INCH	RDANCE WITH Precast ca ⁻	H STANDARD SP TCH BASINS FO	R CAST-IN-PL.	ACE	
 D PRECAST CATCH BASIN UNITS WHICH ARE DAMAGED DURING SHIPMENT OR INSTALLATION WILL BE REJECTED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE DAMAGED CATCH BASIN UNITS AT HIS OWN EXPENSE. E ADDITIONAL REINFORCING STEEL NECESSARY ABOVE THE CORED OR FORMED CUT-OUT HOLES TO MAINTAIN THE INTEGRITY OF THE STRUCTURE DURING HANDLING AND PLACEMENT SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. F APPROPRIATE SIZING AND LOCATION OF LIFTING DEVICES SHALL BE THE RESPONSIBILITY OF THE FABRICATOR TO 									
Solution Assure balanced handling during installation of the catch basin. Image: the contractor is to patch all lifting device holes and place a minimum of one(1) inch of cover over the hardware of these devices on both top and bottom surfaces. Image: the contractor is to be adjusted as directed by the engineer in order to accommodate inlet and outlet pipes. Image: the catch basin will be made under item numbers 611-31.02 catch basins, type 31, > 4'-8' Image: the catch basin will be made under item numbers 611-31.02 catch basins, type 31, > 4'-8' Image: the catch basin will be made under item numbers 611-31.02 catch basins, type 31, > 4'-8' Image: the catch basin will be made under item numbers 611-31.02 catch basins, type 31, > 4'-8' Image: the catch basin will be made under item numbers 611-31.02 catch basins, type 31, > 4'-8' Image: the catch basin will be made under item numbers 611-31.02 catch basins, type 31, > 4'-8' Image: the catch basin will be made under item numbers 611-31.02 catch basins, type 31, > 4'-8' Image: the catch basin basi									

		TENNESSEE TRANSPORTATION					
STANDARD 9'X9' SQUARE CONCRETE NO. 31 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)							
10 00 00							