





	R	EINFORCING ST	EEL LEGEND			
	124″	A 50	0			
114″ VARIABLE		——— A 50	<pre>></pre>		° ™ H500	
		— A 50	2	113″		
		MANHOLE D	IMENSIONS			
INSIDE WIDTH Of manhole	WALL THICKNESS W	OUTSIDE WIDTH OF MANHOLE (INCHES)	MAX. INLET OR OUTLET CONC. PIPE SIZE - STR.		DIMENSION C (INCHES)	
(INCHES)	(INCHES)		(INCHES)	(INCHES)	(INCHES)	

CUT-OUT HOLES FOR INLET & OUTLET PIPES			
I NS I DE D I AME TER	DIAM	ETER OF CUT-OUT F F & G - (INCHES)	IOLES
(X) OF PIPE (INCHES)	CONCRETE PIPE	CORRUGATED METAL PIPE	POLYETHYLE PIPE
18	26	21	24
24	32	27	31
30	40	33	39
36	47	40	45
42	54	46	50
48	61	52	56
54	68	58	
60	75	64	
66	82	70	
72	89	76	
78	96	82	

CUT- OUT HOLES FOR PRECAST STRUCTURES TO BE CORED OR FORMED IN ORDER TO OBTAIN A SMOOTH EDGED HOLE. SCORED OR ETCHED HOLES WITH

REV. 5-30-02: STEEL.	MODIFIED REINFORCING
REV. 7-29-02:	CHANGED ASTM SPECIFICATION

in general note (B).

REV. 5-27-01: CHANGED ITEM NUMBERS IN GENERAL NOTE (]. ADDED MAXIMUM DEPTH NOTE.

	MANHOLE MINIMUM DEPTH TABLE				
	I NS I DE D I AME TE R	MINIMUM DEPTH - (FEET)			
	(X) OF PIPE (INCHES)	CONCRETE PIPE	CORRUGATED METAL PIPE	POLYETHYLENE PIPE	
	18	4.94	4.73	4.85	
NE	24	5.44	5.23	5.40	
	30	6.02	5.73	5.98	
	36	6.56	6.27	6.48	
	42	7.10	6.77	6.94	
	48	7.65	7.27	7.44	
	54	8.19	7.77		
	60	8.73	8.27		
	66	9.27	8.77		
	72	9.81	9.27		
	78	10.35	9.77		

MEASUREMEN NADE FRUN IULL COVL OUTLET FLOW ELEVATION BASED ON INLET AND OUTLET PIPES BEING THE SAME DIAMETER, IF OUTLET PIPE IS GREATER ADJUSTMENT IN DEPTHS MUST BE MADE TO ACCOMMODATE THIS SITUATION.

ED IN ACCORDANCE WITH STANDARD SPECIFICATIONS,		
ER SUBSTITUTE PRECAST CATCH BASINS FOR ST ELEMENTS MEET ASTM M913 (CURRENT EDITION)		
DAYS ER SQUARE INCH THIS DRAWING.		
PMENT OR INSTALLATION WILL BE REJECTED. IT EPLACE DAMAGED MANHOLE UNITS AT HIS OWN EXPENSE.		
ORED OR FORMED CUT-OUT HOLES TO MAINTAIN THE CEMENT SHALL BE THE RESPONSIBILITY OF THE		
SHALL BE THE RESPONSIBILITY OF THE FABRICATOR THE MANHOLE.		
S AND PLACE A MINIMUM OF ONE(1) INCH OF COVER BOTTOM SURFACES.		DEPARI
BY THE ENGINEER IN ORDER TO ACCOMMODATE INLET		
CAST IRON COVERS AND FRAMES, AND DETAILS FOR		9′ CO
RS 611-01.02 MANHOLES, > 4'-8' DEPTH THROUGH		CU
	.	

	REVISION FHWA AL NOT REQUIRED.
0	of tennessee of transportation
9′X CONCRE	ANDARD 9' SQUARE Ete no. 3 .nhole
9-5-98	D – MH – 7

⁽²⁾ TO DETERMINE FLOOR OF MANHOLE ELEVATION, WHEN INLET AND OUTLET PIPES ARE THE SAME SIZE, ADD PIPE WALL THICKNESS PLUS 1.5" TO THE ABOVE MINIMUM DEPTHS.