



CATCH BASIN MINIMUM DEPTH TABLE			
INSIDE DIAMETER (X) OF PIPE (INCHES)	MINIMUM DEPTH - (FEET)		
	CONCRETE PIPE	CORRUGATED METAL PIPE	POLYETHYLENE PIPE
18	4.25	4.04	4.17
24	4.75	4.54	4.71
30	5.33	5.04	5.29

- | CATCH BASIN MAXIMUM DEPTH NOTE |
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| <p>MAXIMUM DEPTH FOR THIS STRUCTURE IS 20.00'.
 WHEN DEPTH REQUIREMENTS EXCEED THIS DEPTH,
 THE CONTRACTOR IS TO USE OTHER VERSIONS OF
 THE NO. 13 CATCH BASIN.</p> |

CUT-OUT HOLES FOR INLET & OUTLET PIPES			
INSIDE DIAMETER (X) OF PIPE (INCHES)	DIAMETER OF CUT-OUT HOLES F & G - (INCHES)		
	CONCRETE PIPE	CORRUGATED METAL PIPE	POLYETHYLENE PIPE
18	26	21	24
24	32	27	31
30	40	33	39

- ## GENERAL NOTES
- (A) DRAWING TO BE USED FOR ALL CAST-IN-PLACE NO. 13 CONCRETE CATCH BASINS AND ALL PRECAST NO. 13 CONCRETE CATCH BASINS THAT ARE GREATER THAN TWELVE FEET IN DEPTH. SEE STANDARD DRAWING D-CB-13P FOR DETAILS OF PRECAST NO. 13 CONCRETE CATCH BASINS TWELVE FEET AND LESS IN DEPTH.
 - (B) CAST-IN-PLACE CONCRETE CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS, SECTION 611 AND/OR SPECIAL PROVISIONS.
 - (C) THE CONTRACTOR MAY WITH PERMISSION FROM THE ENGINEER SUBSTITUTE PRECAST CATCH BASINS FOR CAST-IN-PLACE CATCH BASINS PROVIDED THAT ALL PRECAST ELEMENTS MEET ASTM M913 (CURRENT EDITION) UNLESS SUPERSEDED BY THIS DRAWING.
CONCRETE: $F_c = 4,000$ POUNDS PER SQUARE INCH AT 28 DAYS
REINFORCING STEEL: ASTM A615, $F_y = 60,000$ POUNDS PER SQUARE INCH
ALL REINFORCING IS TO BE INSTALLED AS DETAILED ON THIS DRAWING.
 - (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 ASSURE BALANCED HANDLING DURING INSTALLATION OF THE CATCH BASIN.
 - (G) 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.
 - (H) INVERT ELEVATIONS ARE TO BE ADJUSTED AS DIRECTED BY THE ENGINEER IN ORDER TO ACCOMMODATE INLET AND OUTLET PIPES.
 - (I) SEE STANDARD DRAWING D-CBB-13 FOR DETAILS REGARDING CAST IRON GRATES, FRAMES AND CURB INLETS.
 - (J) PAYMENT FOR CATCH BASIN WILL BE MADE UNDER ITEM NUMBERS 611-13.02 CATCH BASINS, TYPE 13, > 4'-8' DEPTH THROUGH 611-13.05 CATCH BASINS, TYPE 13, > 16'-20' DEPTH PER EACH.

- ❑ REV. 12-18-96: MODIFIED DRAWING NO. D-CB-12S BY CHANGING CURB IRON.
- ❑ REV. 12-31-96: REMOVED 0.5" PREMOLDED FIBER EXPANSION JOINT FROM SECTION "B-B". REMOVED OLD GENERAL NOTE (H). CHANGED LABEL OF LAST THREE GENERAL NOTES.
- ❑ REV. 10-26-97: CHANGED MINIMUM DEPTH TABLE AND MODIFIED STEEL IN BASE SECTION.
- ❑ REV. 1-19-99: MODIFIED CATCH BASIN MINIMUM DEPTH TABLE.
- ❑ REV. 3-20-00: ADDED SPECIAL NOTE RESTRICTING USE OF NO. 13 CATCH BASINS TO RADIUS LESS THAN 25 FEET.
- ❑ REV. 5-27-01: CHANGED PAV ITEMS IN GENERAL NOTE (J). ADDED CATCH BASIN MAXIMUM DEPTH NOTE.
- ❑ REV. 7-29-02: CHANGED ASTM SPECIFICATION IN GENERAL NOTE (C).

SPECIAL NOTE

TO BE USED ON RADIUS LESS
THAN 25 FEET. FOR RADIUS
25 FEET AND GREATER USE
TYPE 12 CATCH BASIN.

MINOR REVISION -- FHWA
APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD
RECTANGULAR
CONCRETE NO.13
CATCH BASIN

12-18-96	D-CB-13S
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