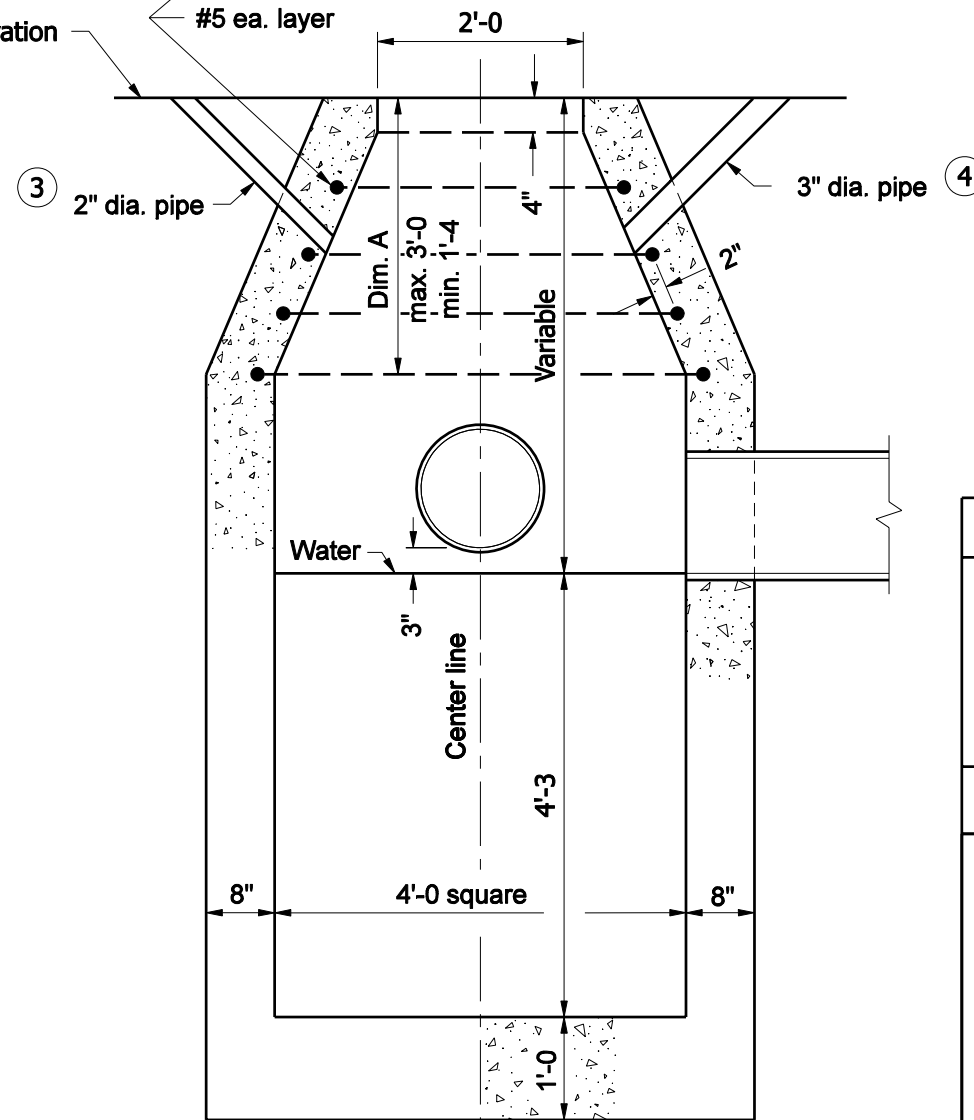
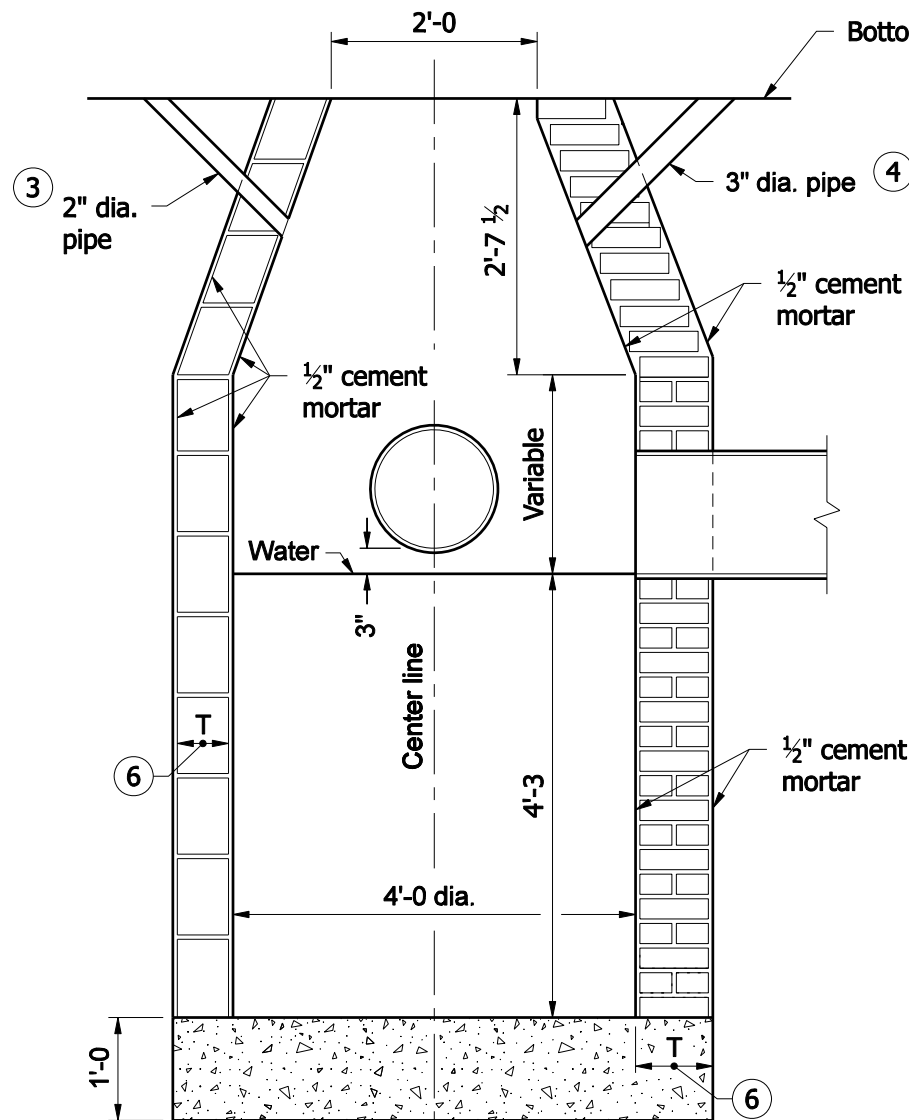


GENERAL NOTES

1. Brick, block, or concrete may be used.
2. Precast catch basin type W may be substituted for catch basin type A.
- ③ 2" dia. pipe drain from bottom of curb to inlet. Aggregate to be placed around inlet end of pipe.
- ④ 3" dia. pipe to be kept open for drainage of subgrade or base until surface is placed.
5. Reinforcement required if Dim. A < 2'-6". Reinforcement not required if Dim. A ≥ 2'-6".
- ⑥ T = 8" for brick structure
T = 6" for segmental block structure



BRICK OR BLOCK

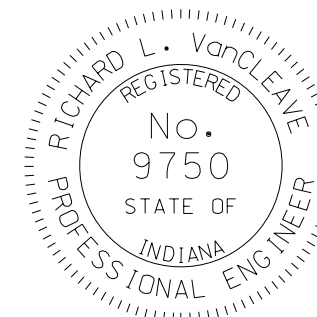
CONCRETE

INDIANA DEPARTMENT OF TRANSPORTATION

**CATCH BASIN
TYPE A**

SEPTEMBER 2008

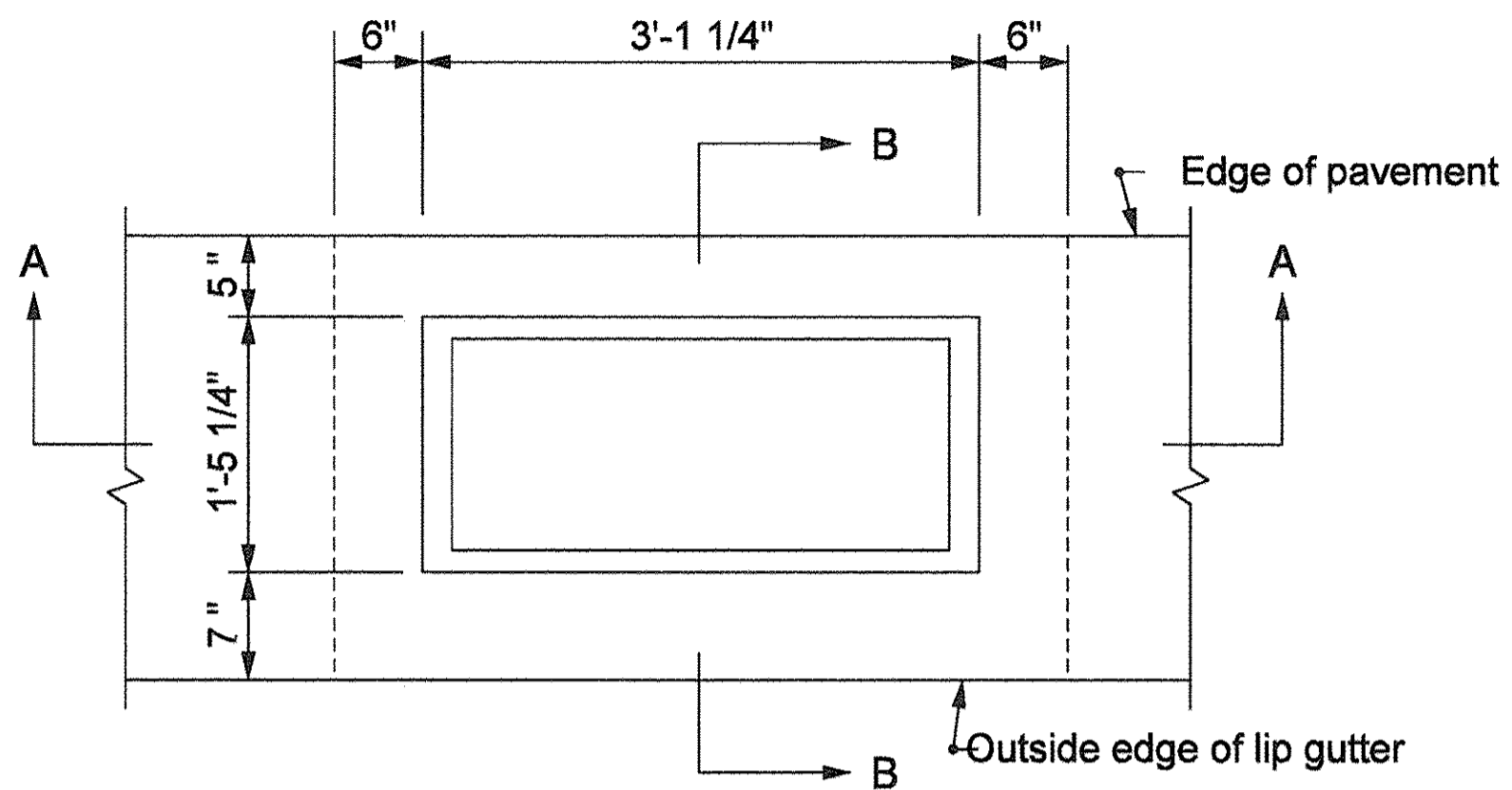
STANDARD DRAWING NO. E 720- CBST-01



/s/ Richard L. VanCleave 09/02/08
DESIGN STANDARDS ENGINEER DATE

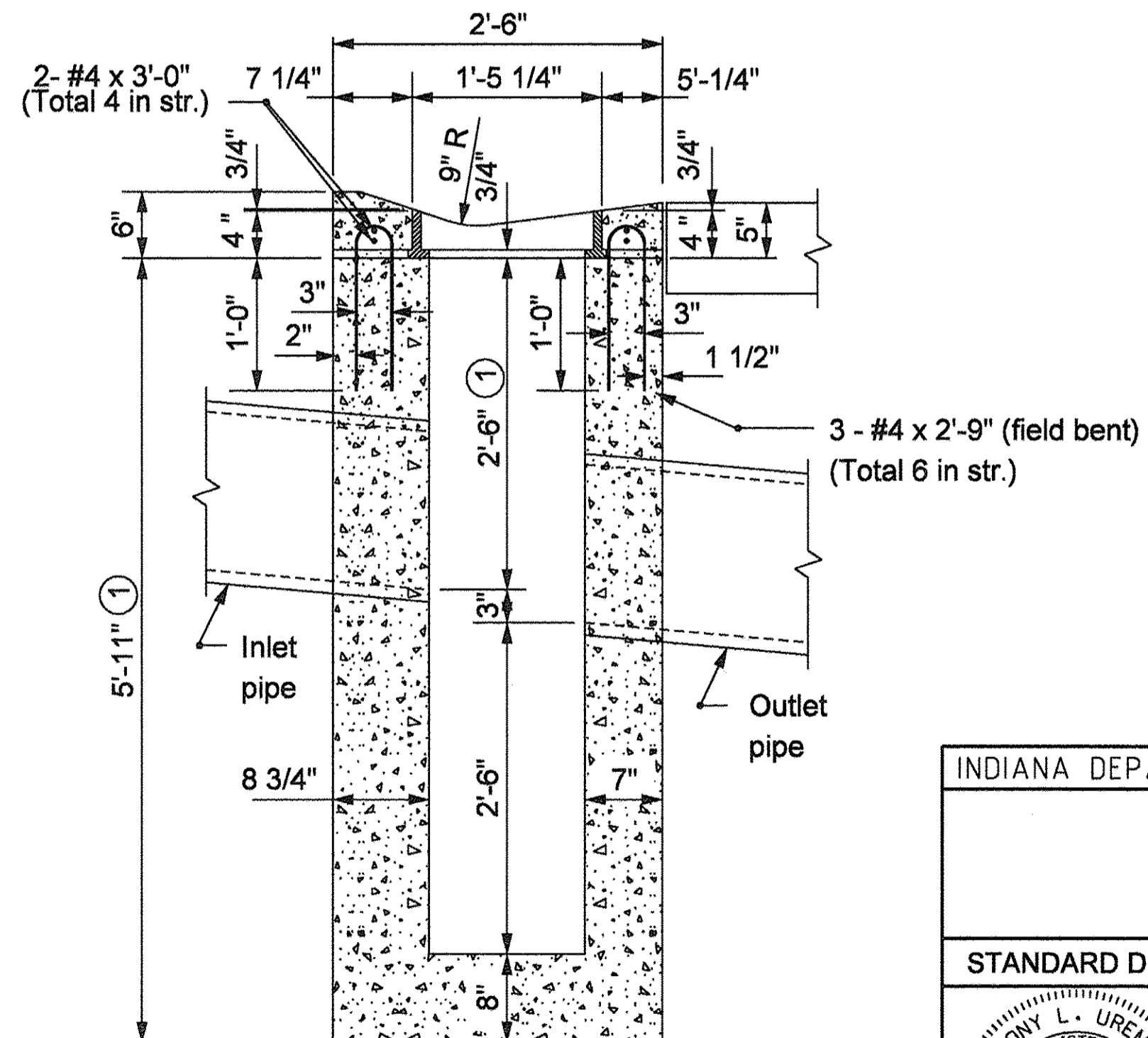
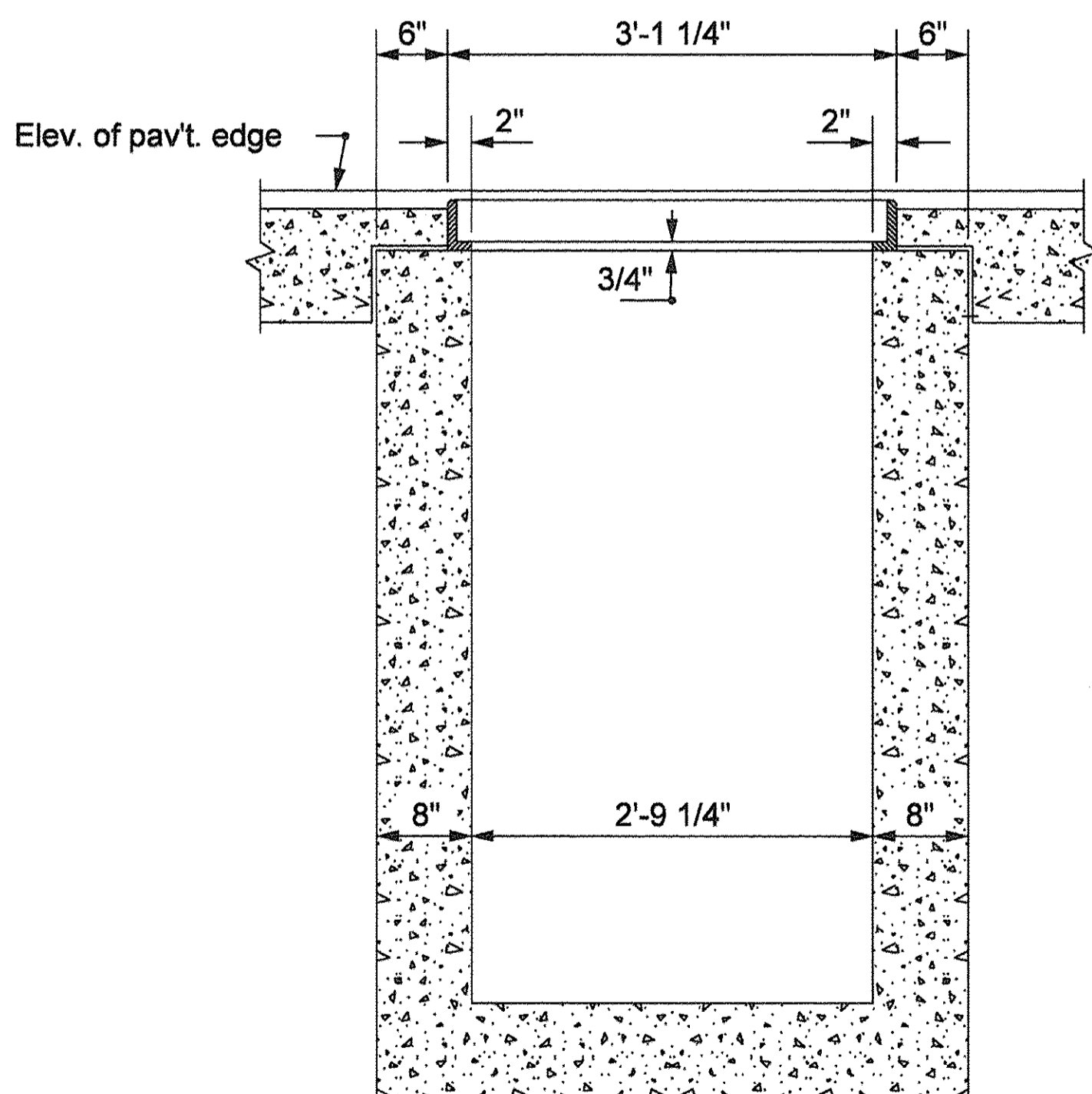
/s/ Mark A. Miller 09/02/08
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER

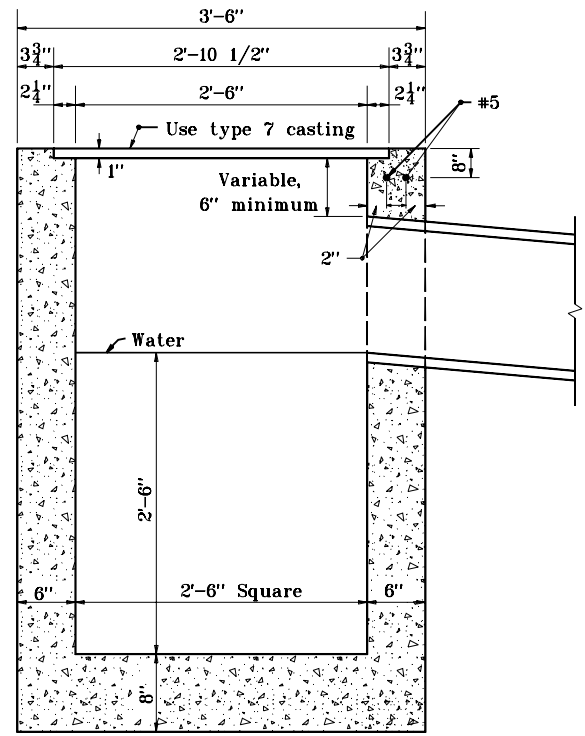
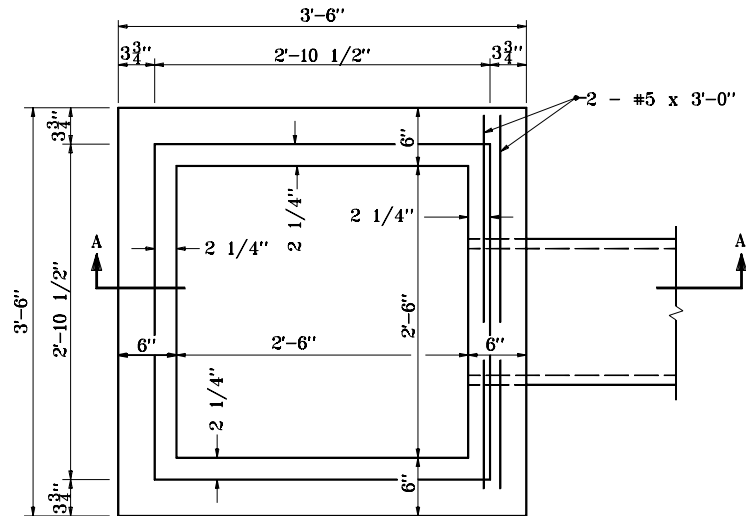


NOTES

- ① These dimensions may be increased or decreased by 1'-0", as directed.

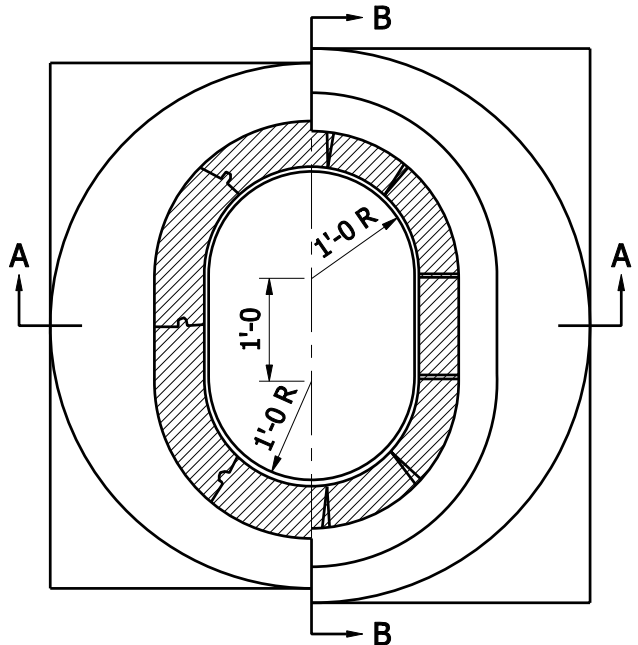


INDIANA DEPARTMENT OF TRANSPORTATION	
CATCH BASIN TYPE D	
SEPTEMBER 2003	
STANDARD DRAWING NO. E 720-CBST-02	
	Anthony L. Uremovich 9-3-03 DESIGN STANDARDS ENGINEER DATE
DESIGN STANDARDS ENGINEER	9-3-03 CHIEF HIGHWAY ENGINEER DATE

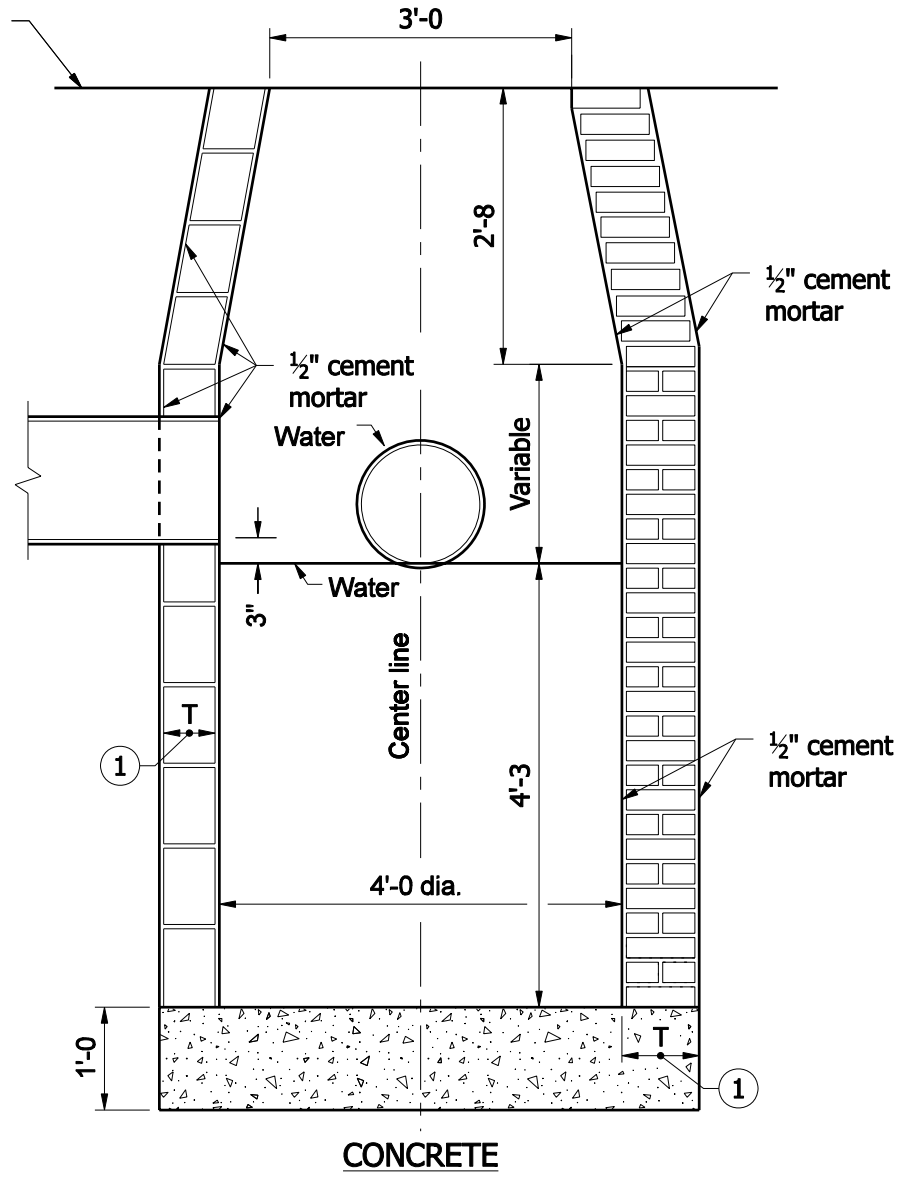
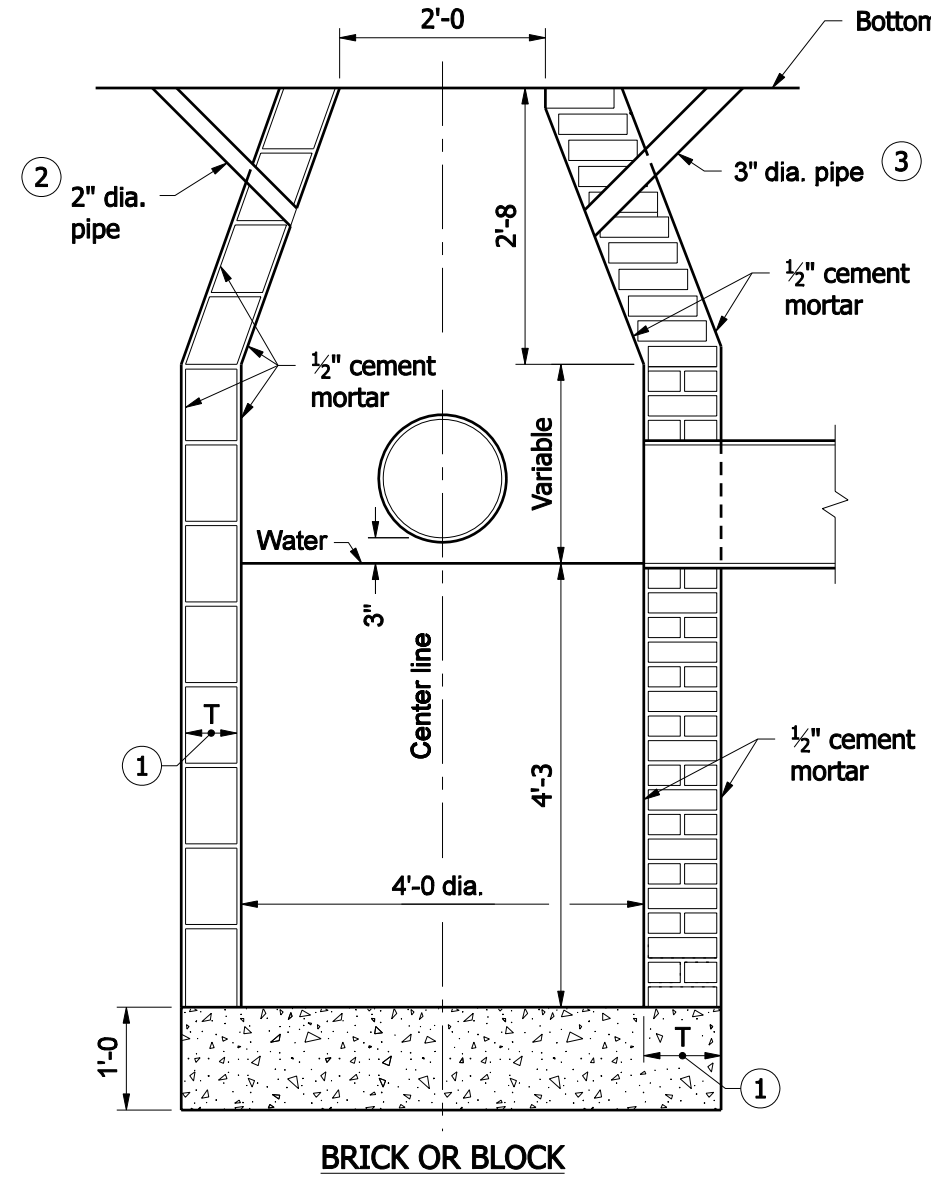


SECTION A-A

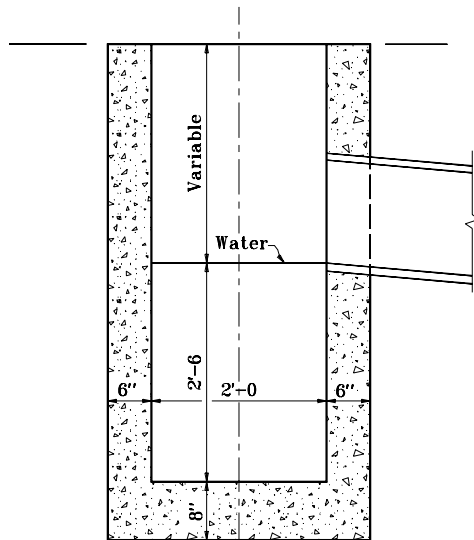
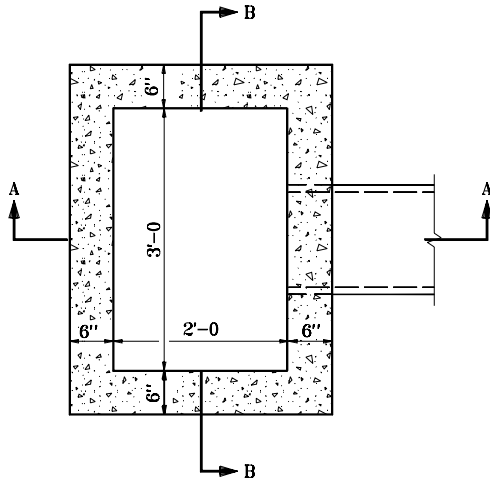
INDIANA DEPARTMENT OF TRANSPORTATION	
CATCH BASIN TYPE E	
SEPTEMBER 1997	
STANDARD DRAWING NO. E 720-CBST-03	
	DETAILS PLACED IN THIS FORMAT 11-15-99 /s/ Anthony L. Uremovich 11-15-99 DESIGN STANDARDS ENGINEER DATE
DESIGN STANDARDS ENGINEER	/s/ Firooz Zandi 11-15-99 CHIEF HIGHWAY ENGINEER DATE ORIGINALLY APPROVED 9-01-97



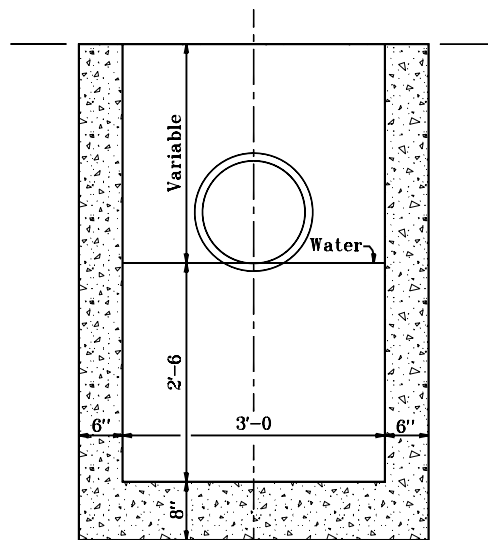
- GENERAL NOTES**
- ① T = 8" for brick structure
T = 6" for segmental block structure
 - ② 2" pipe drain from bottom of curb to inlet. Aggregate to be placed around inlet end of pipe.
 - ③ 3" min. dia. pipe to be kept open for drainage of subgrade or base until surface is placed.



INDIANA DEPARTMENT OF TRANSPORTATION									
CATCH BASIN TYPE J									
SEPTEMBER 2008									
STANDARD DRAWING NO. E 720- CBST-04									
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><i>/s/ Richard L. VanCleave</i></td> <td style="text-align: right;">09/02/08</td> </tr> <tr> <td style="text-align: center;">DESIGN STANDARDS ENGINEER</td> <td style="text-align: right;">DATE</td> </tr> <tr> <td style="text-align: center;"><i>/s/ Mark A. Miller</i></td> <td style="text-align: right;">09/02/08</td> </tr> <tr> <td style="text-align: center;">CHIEF HIGHWAY ENGINEER</td> <td style="text-align: right;">DATE</td> </tr> </table>	<i>/s/ Richard L. VanCleave</i>	09/02/08	DESIGN STANDARDS ENGINEER	DATE	<i>/s/ Mark A. Miller</i>	09/02/08	CHIEF HIGHWAY ENGINEER	DATE
<i>/s/ Richard L. VanCleave</i>	09/02/08								
DESIGN STANDARDS ENGINEER	DATE								
<i>/s/ Mark A. Miller</i>	09/02/08								
CHIEF HIGHWAY ENGINEER	DATE								
DESIGN STANDARDS ENGINEER									



SECTION A-A



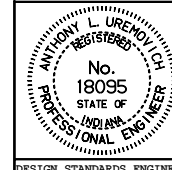
SECTION B-B

INDIANA DEPARTMENT OF TRANSPORTATION

**CATCH BASIN
TYPE K**

APRIL 1995

STANDARD DRAWING NO. E 720-CBST-05



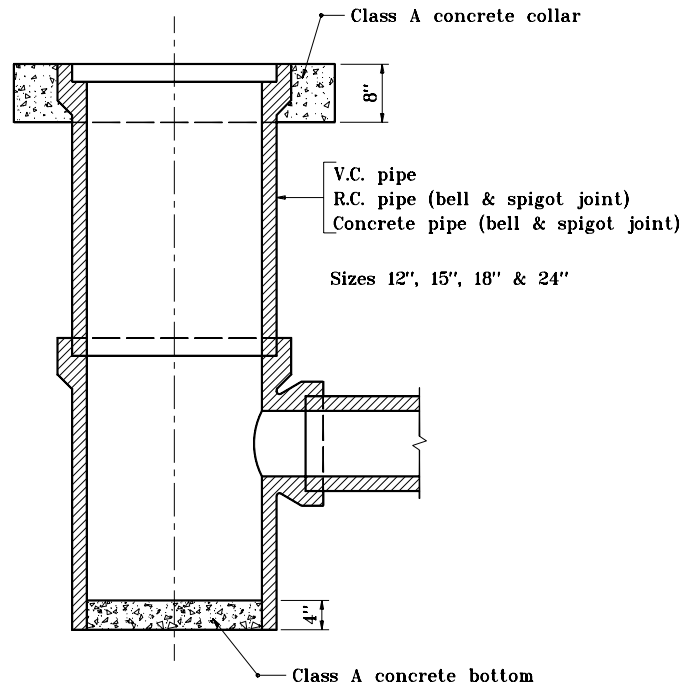
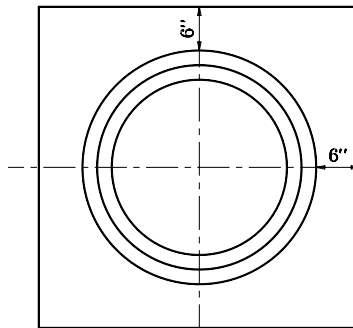
DETAILS PLACED IN THIS FORMAT 11-15-99

/s/ Anthony L. Uremovich 11-15-99
DESIGN STANDARDS ENGINEER DATE

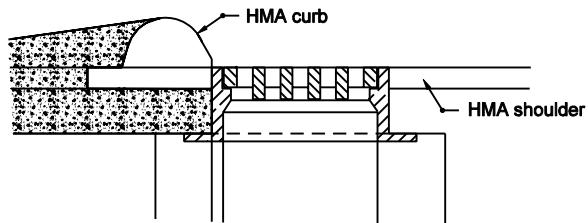
/s/ Firooz Zandi 11-15-99
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER

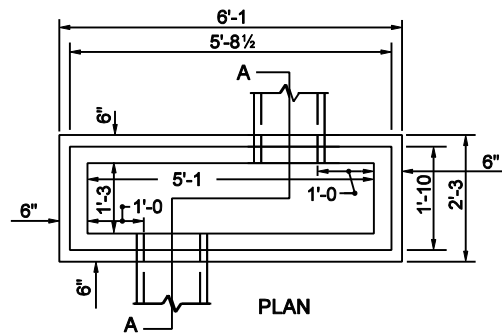
ORIGINALLY APPROVED 4-03-95



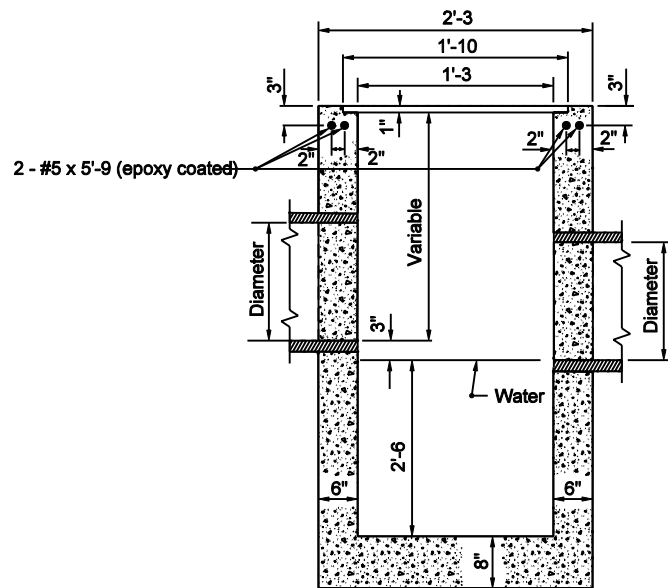
INDIANA DEPARTMENT OF TRANSPORTATION	
CATCH BASIN PIPE	
APRIL 1995	
STANDARD DRAWING NO. E 720-CBST-06	
	DETAILS PLACED IN THIS FORMAT 11-15-99
	/s/ Anthony L. Uremovich 11-15-99 DESIGN STANDARDS ENGINEER DATE
	/s/ Firooz Zandi 11-15-99 CHIEF HIGHWAY ENGINEER DATE
DESIGN STANDARDS ENGINEER	ORIGINALLY APPROVED 4-03-95



**PLACEMENT DETAIL FOR
CASTING**



CATCH BASIN TYPE S



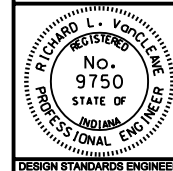
SECTION A-A

INDIANA DEPARTMENT OF TRANSPORTATION

**CATCH BASIN
TYPE S**

SEPTEMBER 2003

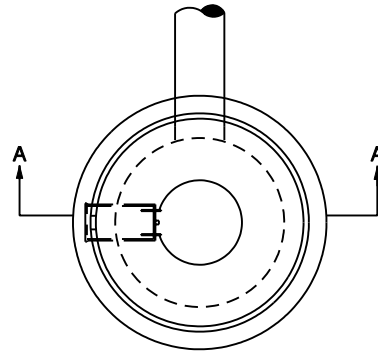
STANDARD DRAWING NO. E 720-CBST-07



/s/ Richard L. VanCleave 9-02-03
DESIGN STANDARDS ENGINEER DATE

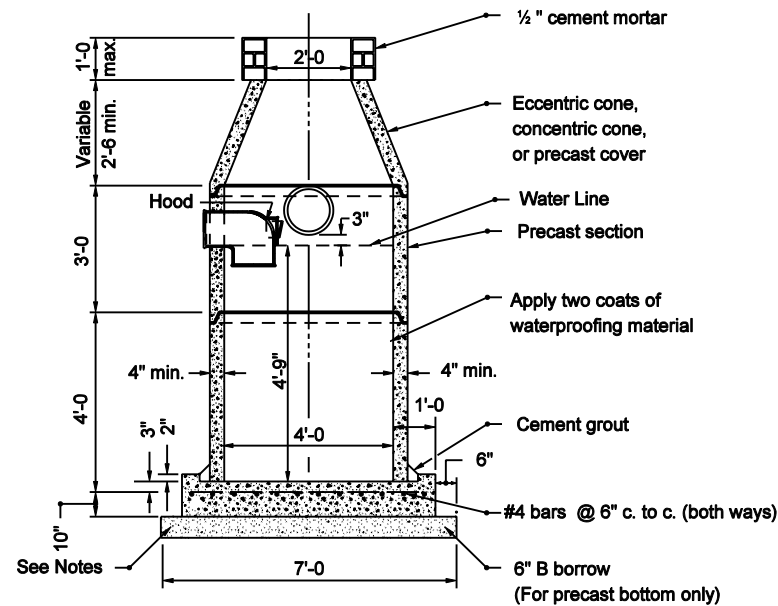
/s/ Richard K. Smutzer 9-02-03
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER



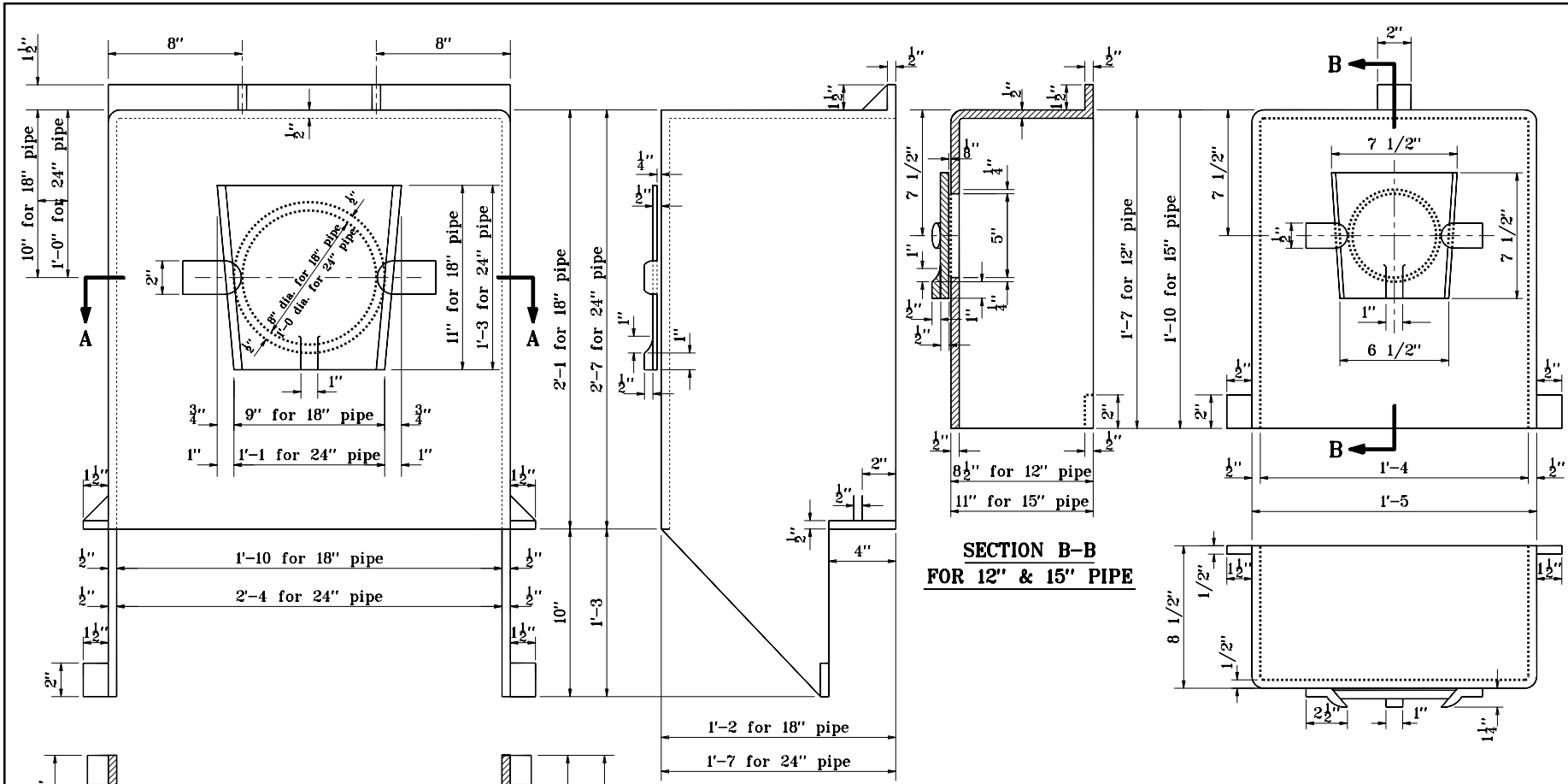
NOTES:

1. Concentric concrete section will not be permitted on any manhole that will be under the jurisdiction of the Indianapolis Sanitary District
2. The contractor will be permitted to substitute precast catch basin type "W" for catch basin type "A".



SECTION A-A

INDIANA DEPARTMENT OF TRANSPORTATION	
CATCH BASIN TYPE W	
SEPTEMBER 2003	
STANDARD DRAWING NO. E 720-CBST-08	
	/s/ <i>Richard L. VanCleave</i> 9-02-03 DESIGN STANDARDS ENGINEER DATE
	/s/ <i>Richard K. Smutzer</i> 9-02-03 CHIEF HIGHWAY ENGINEER DATE
DESIGN STANDARDS ENGINEER	



**SECTION A-A
FOR 18" & 24" PIPE**

**SECTION B-B
FOR 12" & 15" PIPE**

GENERAL NOTES

1. Hoods may be cast in one piece or may be built up of electrically welded 1/2" steel plates. All hoods shall be gas tight. Steel hoods shall be painted with waterproofing asphalt.
2. Hoods shall be omitted on earth ditch type catch basin unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION	
CATCH BASIN HOOD	
MAY 1998	
STANDARD DRAWING NO. E 720-CBST-09	
DETAILS PLACED IN THIS FORMAT 11-15-99	
	/s/ Anthony L. Uremovich 11-15-99 DESIGN STANDARDS ENGINEER DATE
	/s/ Firooz Zandi 11-15-99 CHIEF HIGHWAY ENGINEER DATE
DESIGN STANDARDS ENGINEER	ORIGINALLY APPROVED 5-01-98