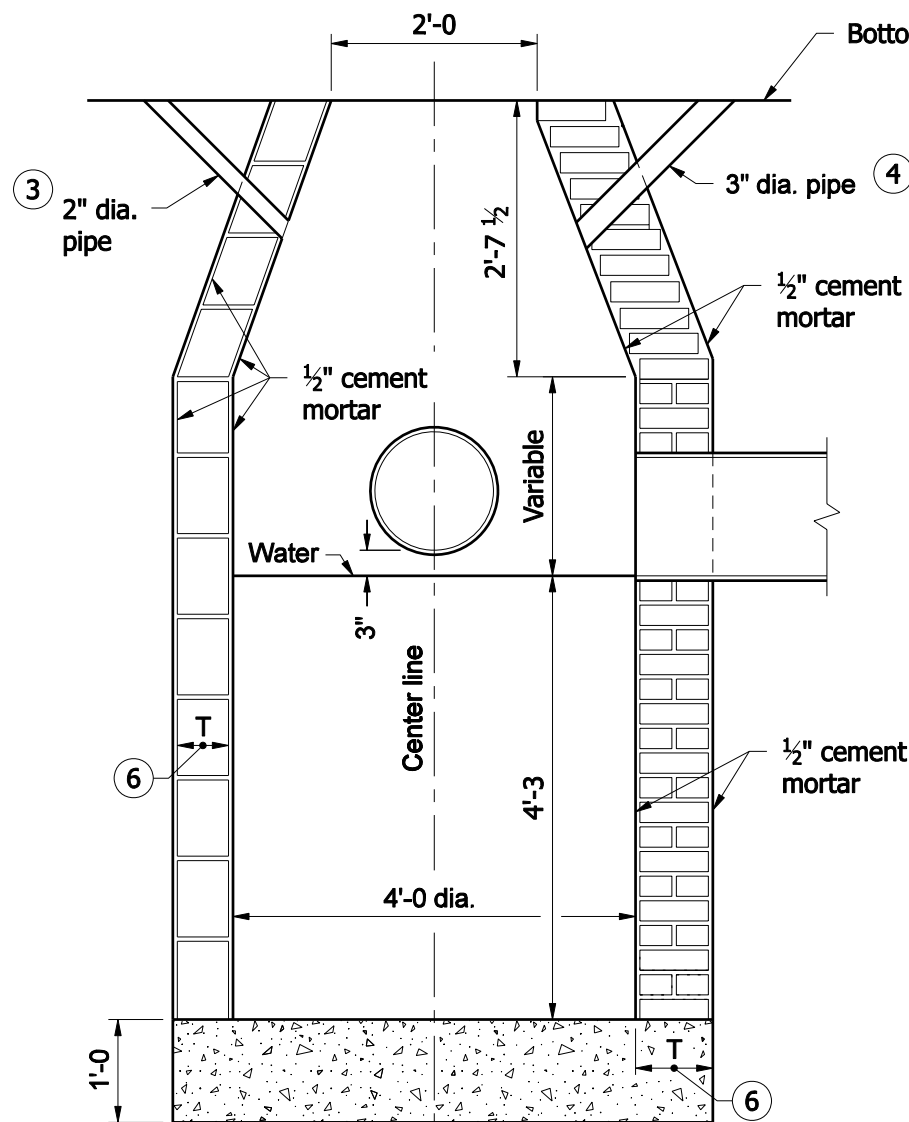
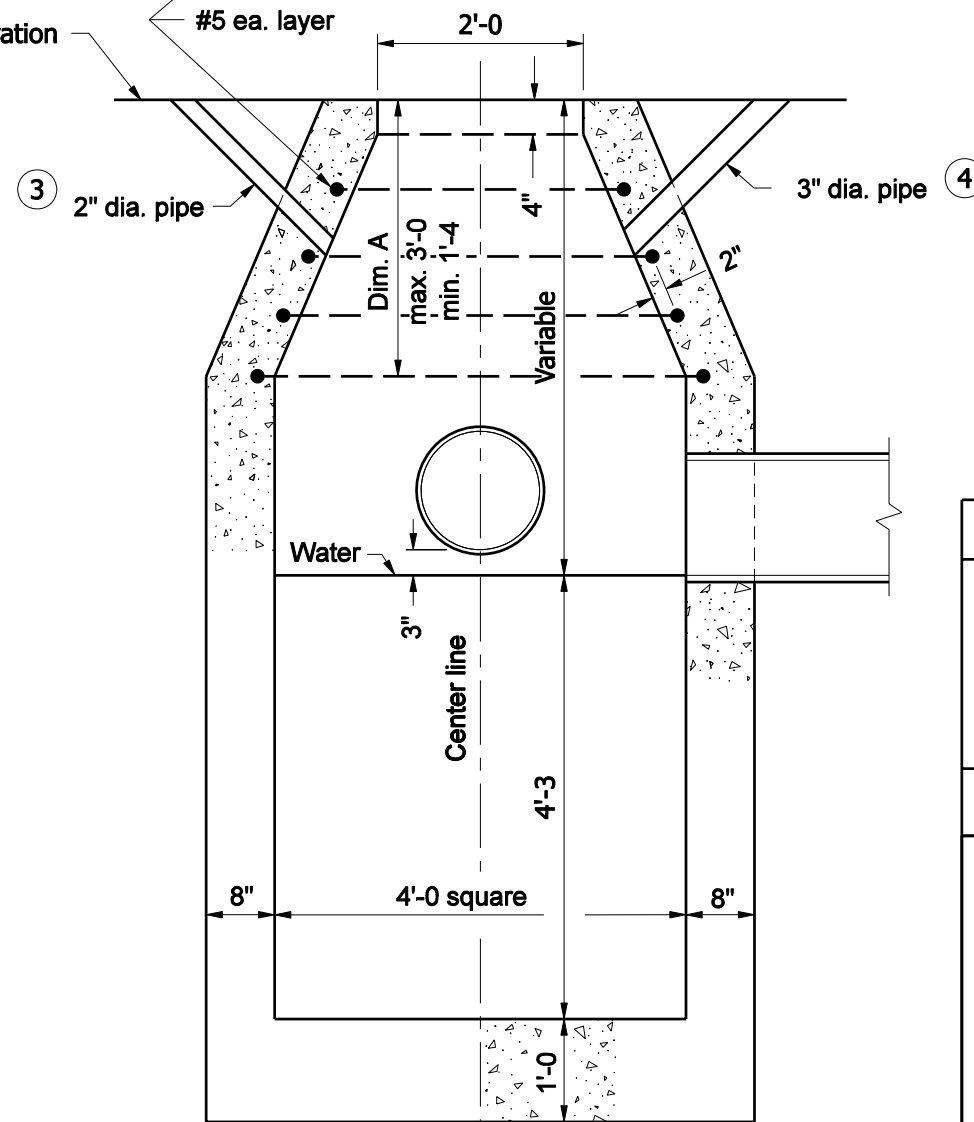


**GENERAL NOTES**

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**



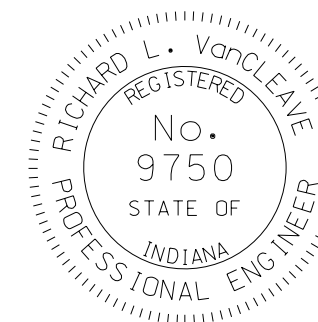
**CONCRETE**

INDIANA DEPARTMENT OF TRANSPORTATION

CATCH BASIN  
TYPE A

SEPTEMBER 2008

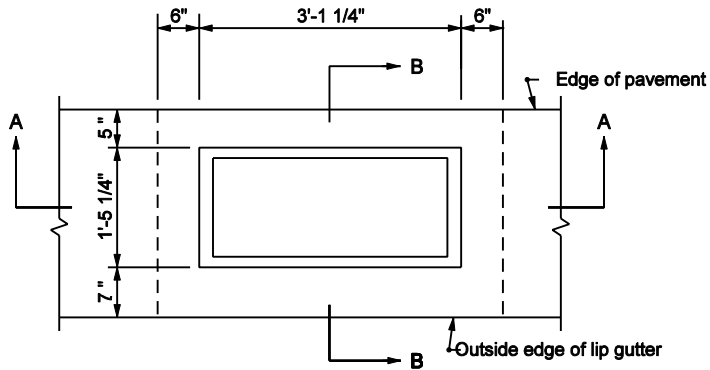
STANDARD DRAWING NO. E 720- CBST-01



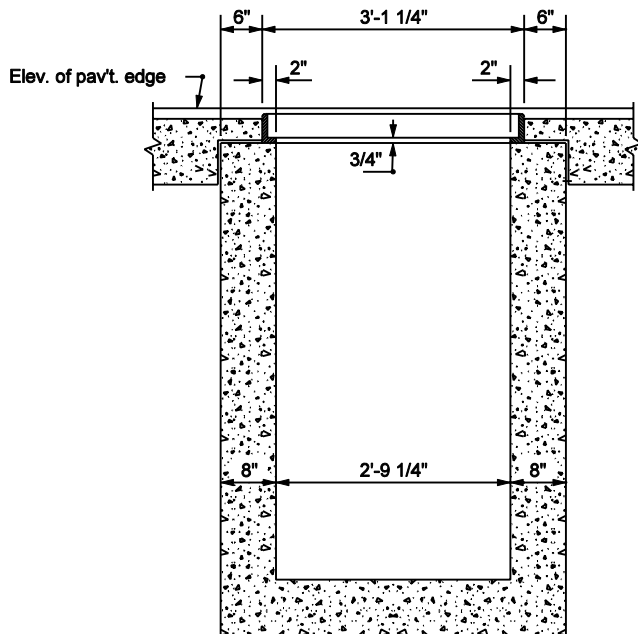
DESIGN STANDARDS ENGINEER

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

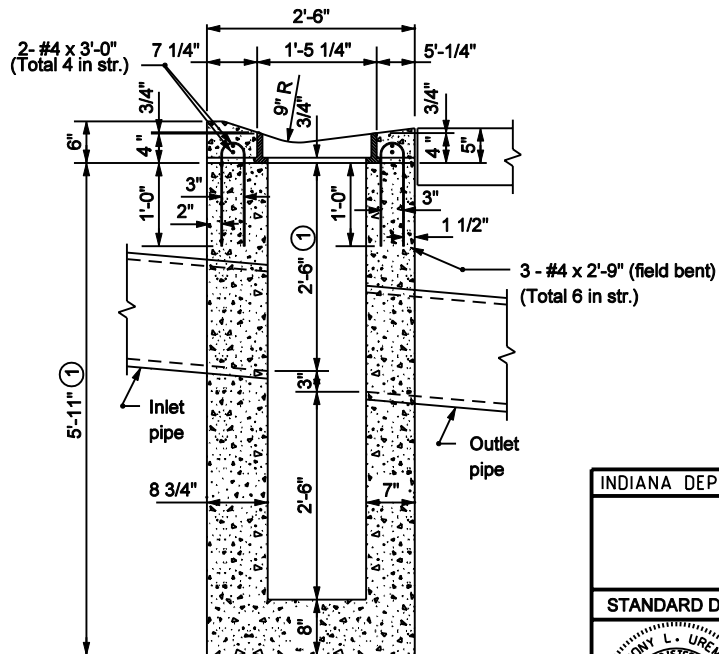
/s/ Mark A. Miller 09/02/08  
CHIEF HIGHWAY ENGINEER DATE



**PLAN**



**SECTION A-A**

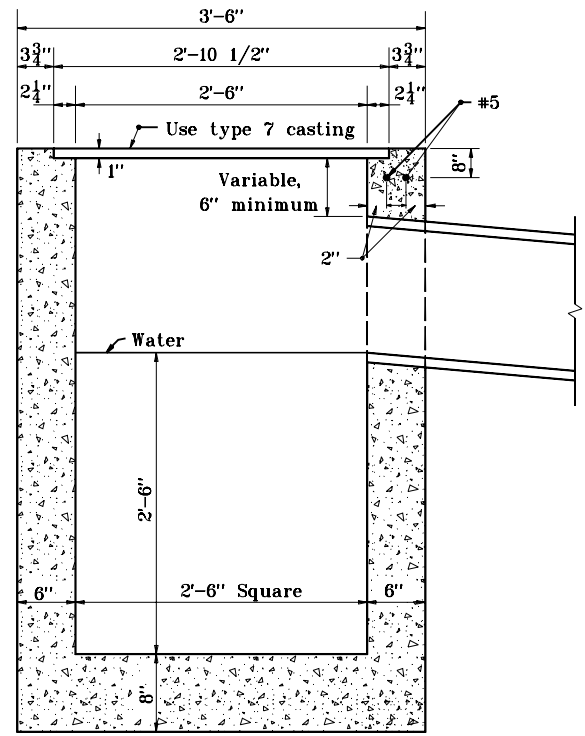
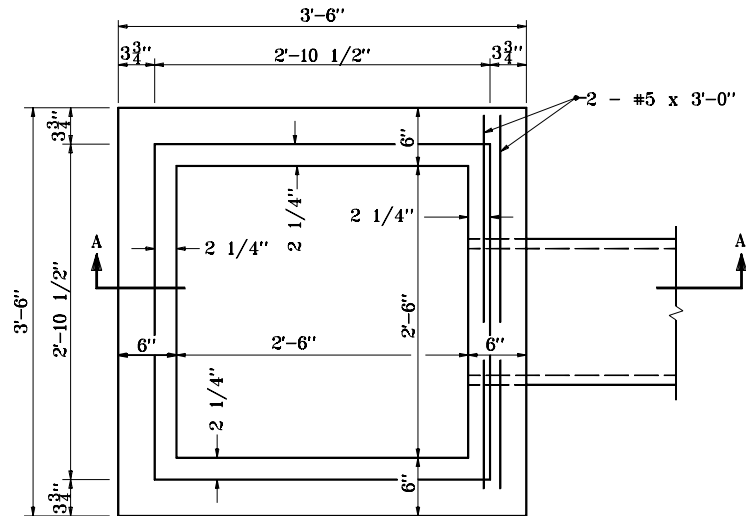


**SECTION B-B**

**NOTES**

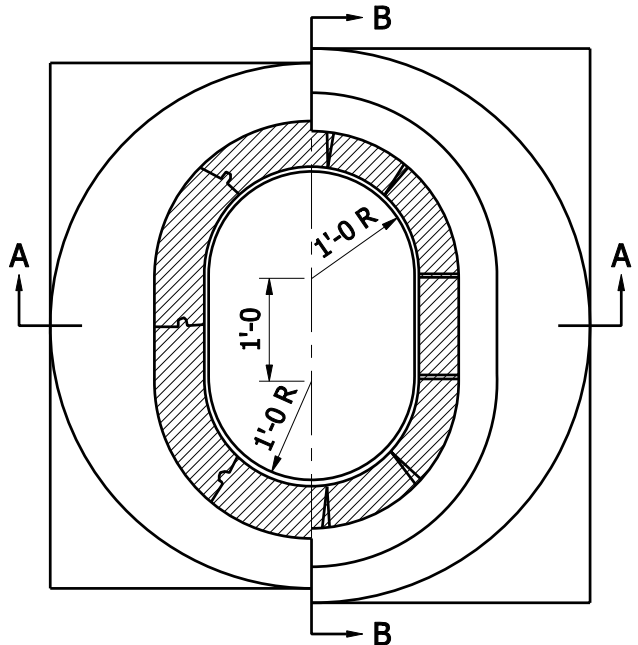
- ① These dimensions may be increased or decreased by 1'-0", as directed.

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

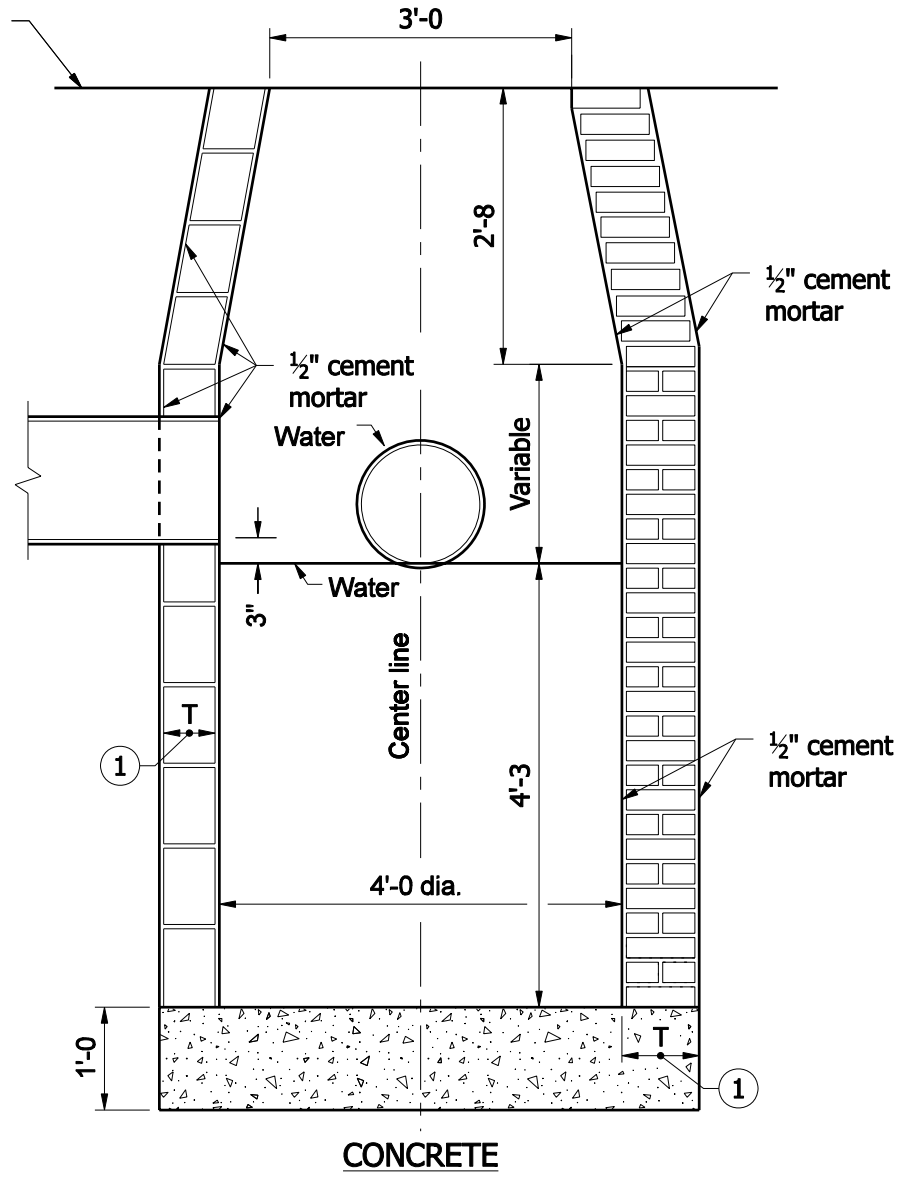
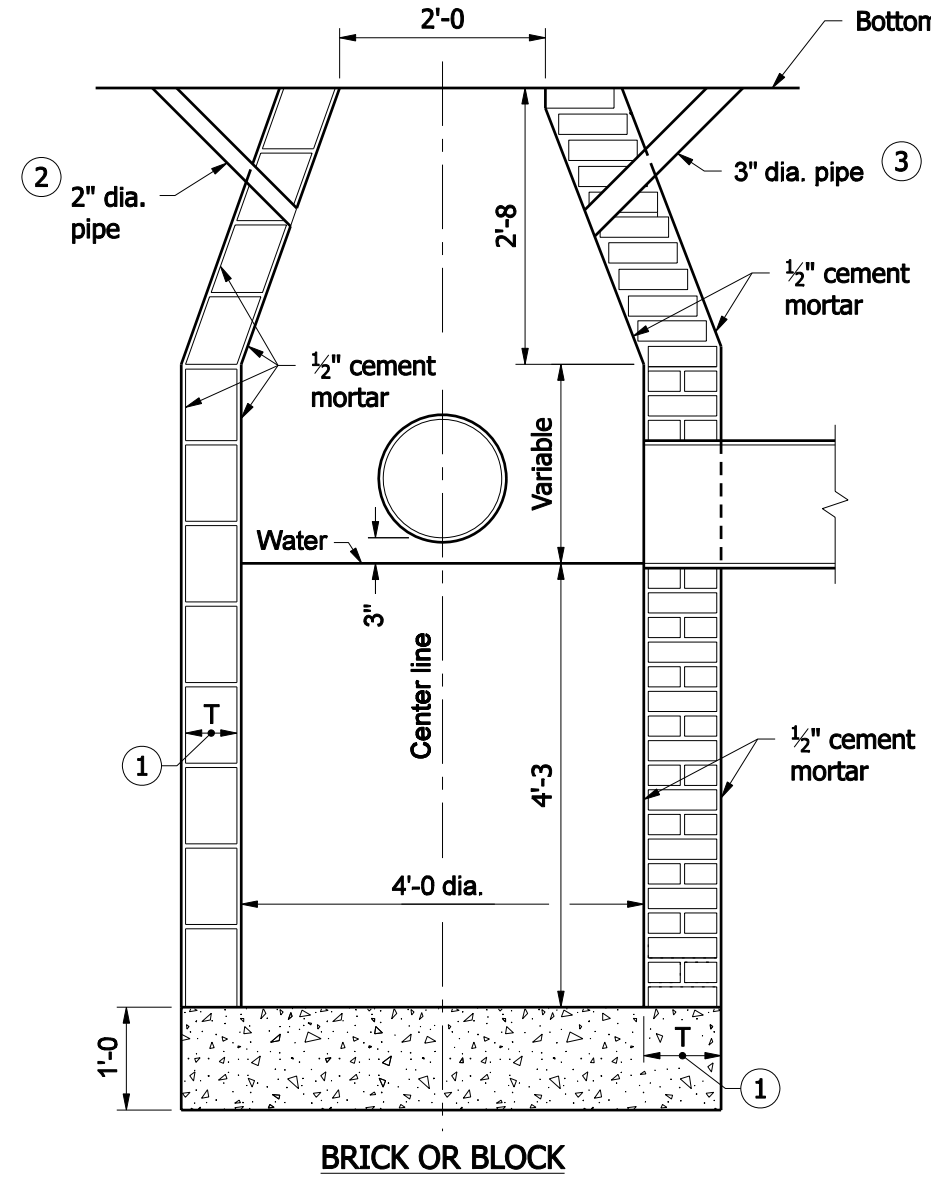


**SECTION A-A**

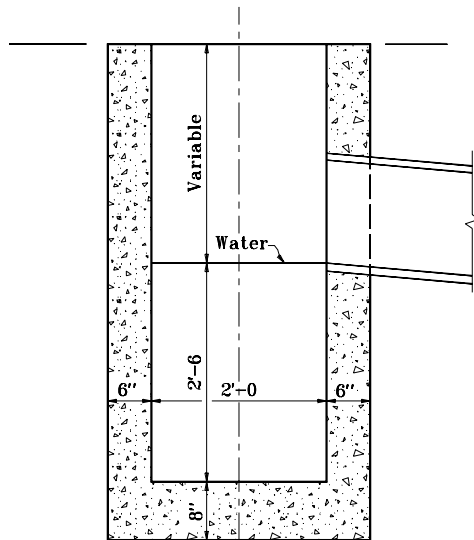
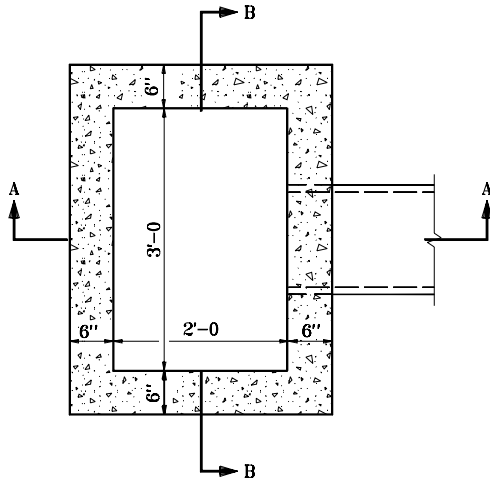
INDIANA DEPARTMENT OF TRANSPORTATION	
<b>CATCH BASIN TYPE E</b>	
SEPTEMBER 1997	
<b>STANDARD DRAWING NO. E 720-CBST-03</b>	
	DETAILS PLACED IN THIS FORMAT 11-15-99 /s/ Anthony L. Uremovich 11-15-99 DESIGN STANDARDS ENGINEER DATE
DESIGN STANDARDS ENGINEER	/s/ Firooz Zandi 11-15-99 CHIEF HIGHWAY ENGINEER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



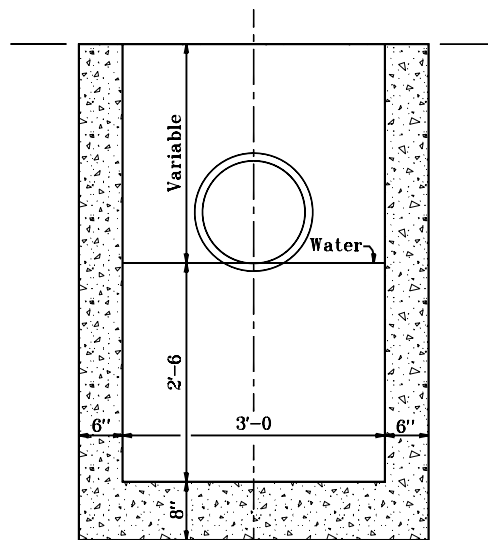
- GENERAL NOTES**
- ① T = 8" for brick structure  
T = 6" for segmental block structure
  - ② 2" pipe drain from bottom of curb to inlet. Aggregate to be placed around inlet end of pipe.
  - ③ 3" min. dia. pipe to be kept open for drainage of subgrade or base until surface is placed.



<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>									
<b>CATCH BASIN TYPE J</b>									
<b>SEPTEMBER 2008</b>									
<b>STANDARD DRAWING NO. E 720- CBST-04</b>									
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black;"><i>/s/ Richard L. VanCleave</i></td> <td style="border-bottom: 1px solid black; text-align: right;">09/02/08</td> </tr> <tr> <td style="font-size: small;">DESIGN STANDARDS ENGINEER</td> <td style="font-size: small; text-align: right;">DATE</td> </tr> <tr> <td style="border-bottom: 1px solid black;"><i>/s/ Mark A. Miller</i></td> <td style="border-bottom: 1px solid black; text-align: right;">09/02/08</td> </tr> <tr> <td style="font-size: small;">CHIEF HIGHWAY ENGINEER</td> <td style="font-size: small; 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**



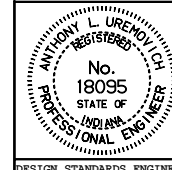
**SECTION B-B**

INDIANA DEPARTMENT OF TRANSPORTATION

**CATCH BASIN  
TYPE K**

APRIL 1995

STANDARD DRAWING NO. E 720-CBST-05



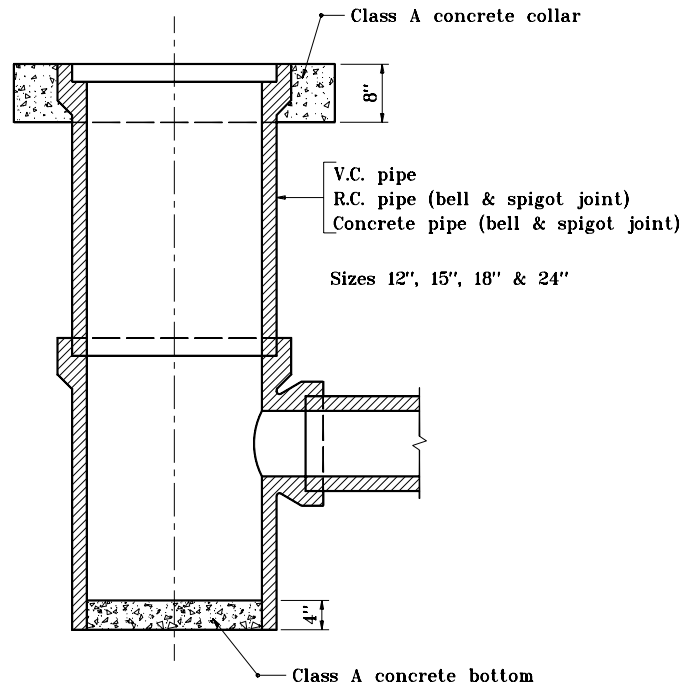
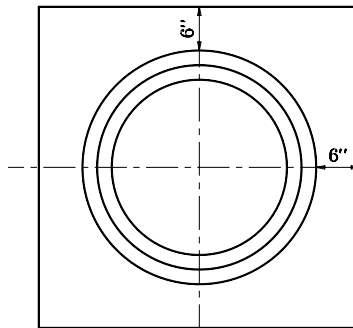
DETAILS PLACED IN THIS FORMAT 11-15-99

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

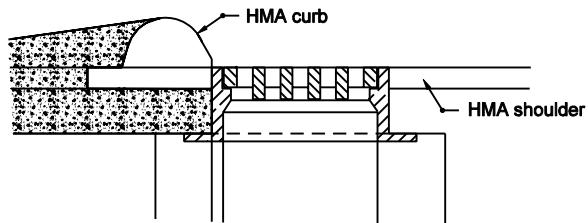
/s/ Firooz Zandi 11-15-99  
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER

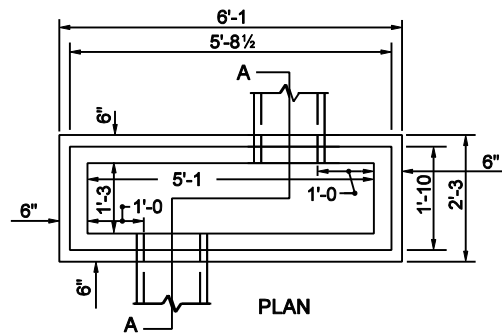
ORIGINALLY APPROVED 4-03-95



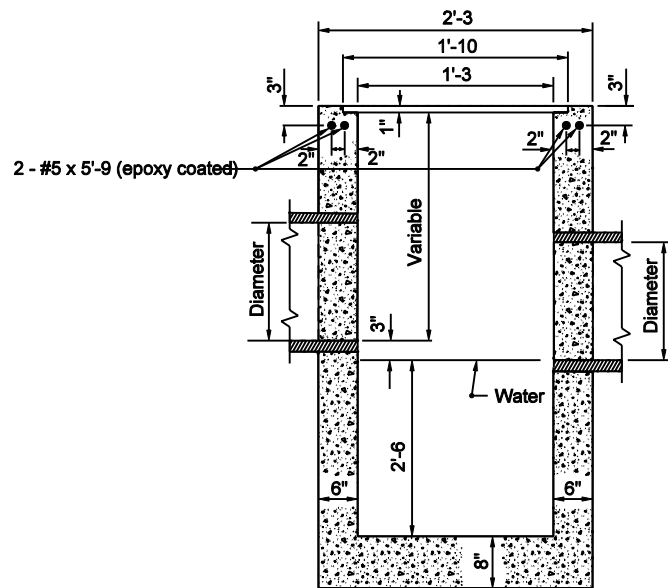
INDIANA DEPARTMENT OF TRANSPORTATION	
<b>CATCH BASIN PIPE</b>	
APRIL 1995	
<b>STANDARD DRAWING NO. E 720-CBST-06</b>	
	DETAILS PLACED IN THIS FORMAT 11-15-99
	/s/ Anthony L. Uremovich 11-15-99 DESIGN STANDARDS ENGINEER DATE
	/s/ Firooz Zandi 11-15-99 CHIEF HIGHWAY ENGINEER DATE
	ORIGINALLY APPROVED 4-03-95



**PLACEMENT DETAIL FOR  
CASTING**

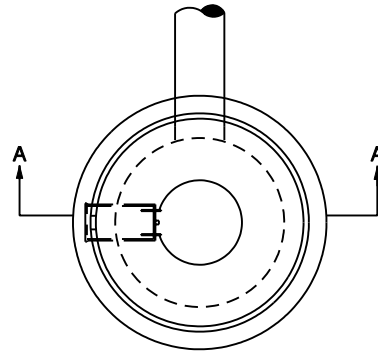


**CATCH BASIN TYPE S**



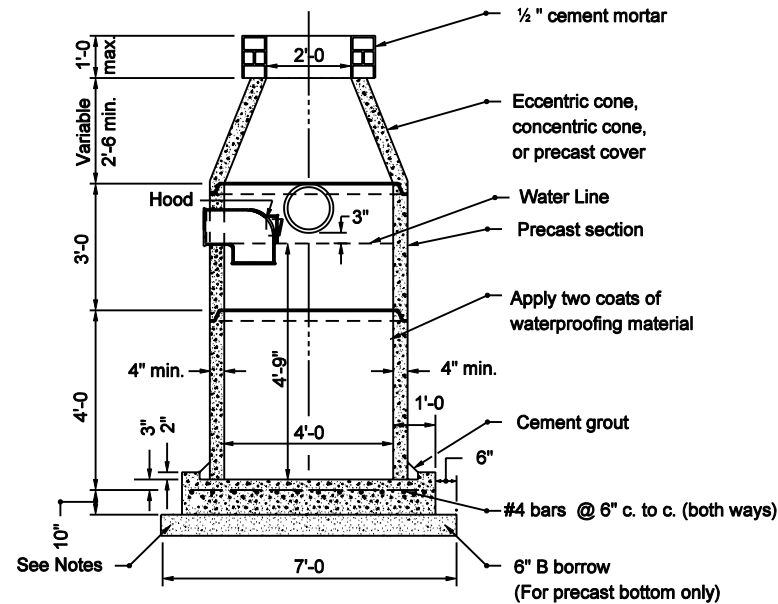
**SECTION A-A**

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>CATCH BASIN TYPE S</b>	
SEPTEMBER 2003	
STANDARD DRAWING NO. E 720-CBST-07	
	<i>/s/ Richard L. VanCleave</i> 9-02-03 DESIGN STANDARDS ENGINEER DATE
	<i>/s/ Richard K. Smutzer</i> 9-02-03 CHIEF HIGHWAY ENGINEER DATE
DESIGN STANDARDS ENGINEER	



**NOTES:**

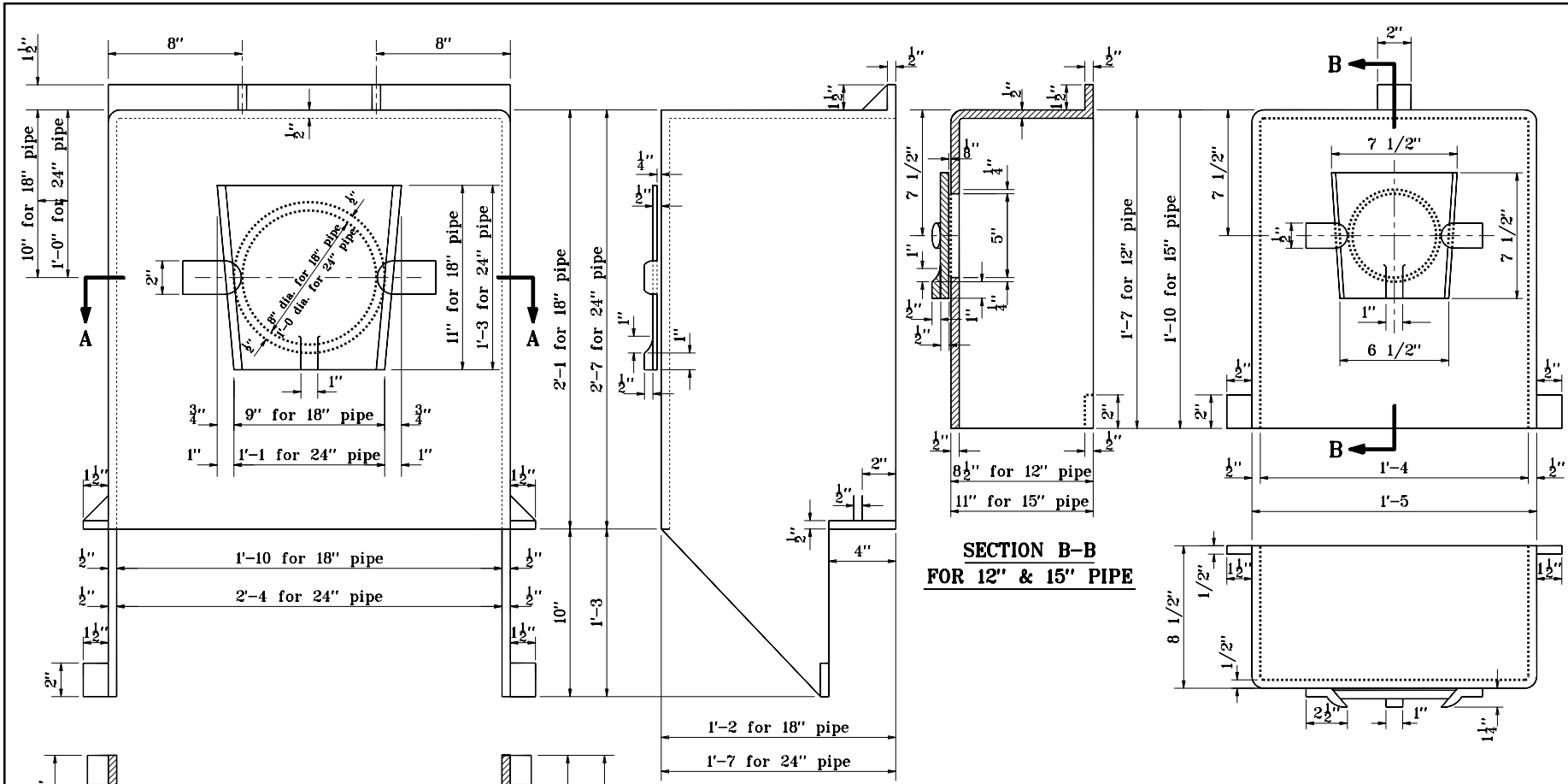
1. Concentric concrete section will not be permitted on any manhole that will be under the jurisdiction of the Indianapolis Sanitary District
2. The contractor will be permitted to substitute precast catch basin type "W" for catch basin type "A".



**SECTION A-A**

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>CATCH BASIN TYPE W</b>	
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	



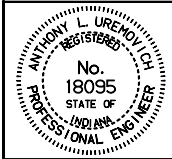


**SECTION A-A  
FOR 18" & 24" PIPE**

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