

Technical drawing of a catch basin, showing plan and side views with dimensions and annotations.

**Plan View (Top):**

- Overall width: 5'-4"
- Overall depth: 3'-0"
- Grate opening width: 3'-1 3/4"
- Grate opening depth: 8 5/16"
- Side flange width: 4 13/16"
- Side flange depth: 8 5/16"
- Section lines A-A and B-B are indicated.

**Side View (Left):**

- Top width: 5'-4"
- Bottom width: 12"
- Top depth: 3'-1 3/4"
- Bottom depth: 2'-8 3/4"
- Side flange width: 4 13/16"
- Side flange depth: 8 5/16"
- Grate opening width: 3'-1 3/4"
- Grate opening depth: 8 5/16"
- Section line A-A is indicated.

**Side View (Right):**

- Top width: 5'-4"
- Bottom width: 12"
- Top depth: 3'-1 3/4"
- Bottom depth: 2'-8 3/4"
- Side flange width: 4 13/16"
- Side flange depth: 8 5/16"
- Grate opening width: 3'-1 3/4"
- Grate opening depth: 8 5/16"
- Section line A-A is indicated.

**Annotations:**

- FOR DETAILS OF GRATE SEE DETAIL " PLAN OF GRATE " SHEET
- THIS DIM. MAY BE INCREASED TO 1 1/2" AT DIRECTION THE ENGINEER
- 1/2" MIN.
- 3' MIN.
- NORMAL FINISHED GRADING
- GRADING TO BE VARIED ADJACENT TO CATCH BASIN AS DIRECTED
- FOR DETAILS OF THE CATCH BASIN, SEE DETAIL "HARTFORD TYPE 'C' CATCH BASIN" SHEET

MATCH ADJACENT CROSS SLOPE

2" 10 3/16" 10" 10 3/16" 10" 2"

3 3/16"

11 1/2" 1 1/2"

12" 2' 1 3/8" 8"

7 13/16" 2 13/16"

5" 4" 2 13/16"

CURB INLET  
CLASS "A" CONCRETE; POURED  
IN PLACE OR PRECAST CONC. UNIT

FOR DETAILS OF THE CATCH, SEE DETAIL  
"HARTFORD TYPE 'CATCH BASIN' SHEET"

NOTE 1

EXIST. CONC. CURB & GUTTER

TACK COAT

1" (MIN.)

1/2" (MIN.)

1 1/2 BIT. CONC. SURFACE COURSE (CLASS 2)

3 1/2" PREMIXED BIT. CONC. BASE

EXIST. OR NEW PROCESSED TRAPROCK BASE

Diagram illustrating the proposed curb and traprock base construction. The diagram shows a cross-section of the curb and base layers, with dimensions and labels indicating the materials and structure.

**Labels and Dimensions:**

- PROPOSED CURB AS SHOWN ON PLANS
- PROPOSED BIT. CONC. SURFACE
- PROPOSED BIT. CONC. BASE
- EXISTING AND/OR PROPOSED PROCESSED TRAPROCK BASE
- SUBGRADE
- PAYMENT LINE FOR PROCESSED STONE TO BE INCLUDED IN THE COST OF UNDERDRAIN
- 3/4" CRUSHED ROCK
- 6" PERFORATED PIPE WRAPPED IN FILTER FABRIC
- 18" (width of curb)
- 36" (height of curb)
- 48" (total height of curb and base)
- 18" MIN. (height of traprock base)
- 6" MIN. (height of 3/4" crushed rock layer)

PAVING AT CONCRETE CURB &amp; GUTTER

1. WHEN EXCAVATING CLOSE TO TREES, USE ONLY HAND TOOLS. CARE SHALL BE TAKEN TO ENSURE THAT TREE ROOTS ARE NOT DAMAGED IN ANY WAY. THE INSPECTOR SHALL BE NOTIFIED IMMEDIATELY WHENEVER TREE ROOTS ARE ENCOUNTERED. FURTHER EXCAVATING AT THAT LOCATION SHALL BE AS DIRECTED BY THE INSPECTOR.
2. CONTRACTOR SHALL INFORM UTILITY COMPANY OF REQUIRED POLE RELOCATION AND COORDINATE WORK WITH UTILITY COMPANY.
3. TOP OF CURB SHALL BE 6" ABOVE GUTTER GRADE UNLESS OTHERWISE NOTED.
4. CITY ACCEPTED SIDEWALK, SHALL BE CONSTRUCTED AS PART OF THIS CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "5" CONCRETE WALK ON NEW FOUNDATION". THE APPROXIMATE QUANTITY OF THIS ADDITIONAL WORK IS 265 S.F.

NO.	DATE	REVISION	
DESIGNED: A.M.		DATE MAY 14, 1990	
DRAWN: T.N.S.			
CHECKED: P.L.			
APPROVED: R.C.G.			
		SCALE N.T.S.	



**PURCELL**  
ASSOCIATES

SHEET NO.	5 OF 11
DAYBOOK NO.	