

Technical drawing of a concrete barrier cross-section. The drawing shows a vertical barrier wall on the left, a central buttress, and a sloped base on the right. Key dimensions and labels include:

- Top of Conc. Barrier**: Indicated by a dashed line.
- Column**: A vertical line on the left side.
- Level**: Two horizontal lines indicating levels at different heights.
- Var**: A vertical dimension line between the two levels.
- 2'-0"**: Horizontal dimension at the top of the barrier wall.
- 4" Conc. Slab w/6x6x1/10 Wire Mesh**: Label for the top slab.
- NOTE: Steel Trowel Finish thru-out 4" Conc. Slab.**: A note about the finish.
- 1'-0 3/4"** and **2'-3 1/4"**: Horizontal dimensions on the right side.
- 4" THICK CONC. SLAB w/6x6x 1/10 WIRE MESH**: Label for the base slab.
- + Slope**: Indicated by an arrow pointing right.
- FINISH Rdwy. Grade**: A horizontal line indicating the road grade.
- 4" Lip**: A horizontal dimension at the base of the buttress.
- 2'-6" Level**: A horizontal line at the base of the barrier wall.
- Bottom Conc. Barrier**: Label for the base of the barrier wall.
- Bott of Buttress**: Label for the bottom of the central buttress.
- 4'-4"**: Horizontal dimension at the bottom right.
- Bott of Conc. Block**: Label for the bottom of the concrete block.
- RESTRAINING CABLE ANCHOR**: A label at the top right with an arrow pointing to a vertical line.
- Front Anchor Conc. Block See Details Below.**: A label at the bottom right.

Hand-drawn cross-section diagram of a bridge barrier and existing column. The diagram shows a central column with a barrier on either side. Key dimensions include a total width of 5'-6" between the barrier faces, a column diameter of 1 1/2", and a barrier height of 1'-8". Reinforcement details include #3 bars at 12" vertical spacing and #3 bars at 6" x 5'-6" spacing. A radius of R=10" is indicated for the barrier's base. The diagram also shows the finish grade slope and a 2" gap between the barrier and the column.

Annotations and Dimensions:

- 5'-6" (Total width between barrier faces)
- 2" (Gap between barrier and column)
- 1'-8" (Barrier height)
- 1 1/2" C.I. (Column diameter)
- R=10" (Radius of barrier base)
- #3 @ 12" Vert. Bars (Vertical reinforcement)
- #3 @ 6" x 5'-6" Iq. Horiz. Bars (Horizontal reinforcement)
- Finish Grade Slope (Indicated by arrows)
- 2 1/4" @ Normal Section. Varies @ Transition. SEE CUSHION BARRIER PLAN (Note on reinforcement)

$\frac{1}{2}" \times \frac{1}{4}" \times 0' - 4"$ P.B.

$1\frac{3}{8}" R$

$1\frac{3}{4}" \phi HOLE$

USE $1\frac{5}{8}" \phi PIN$

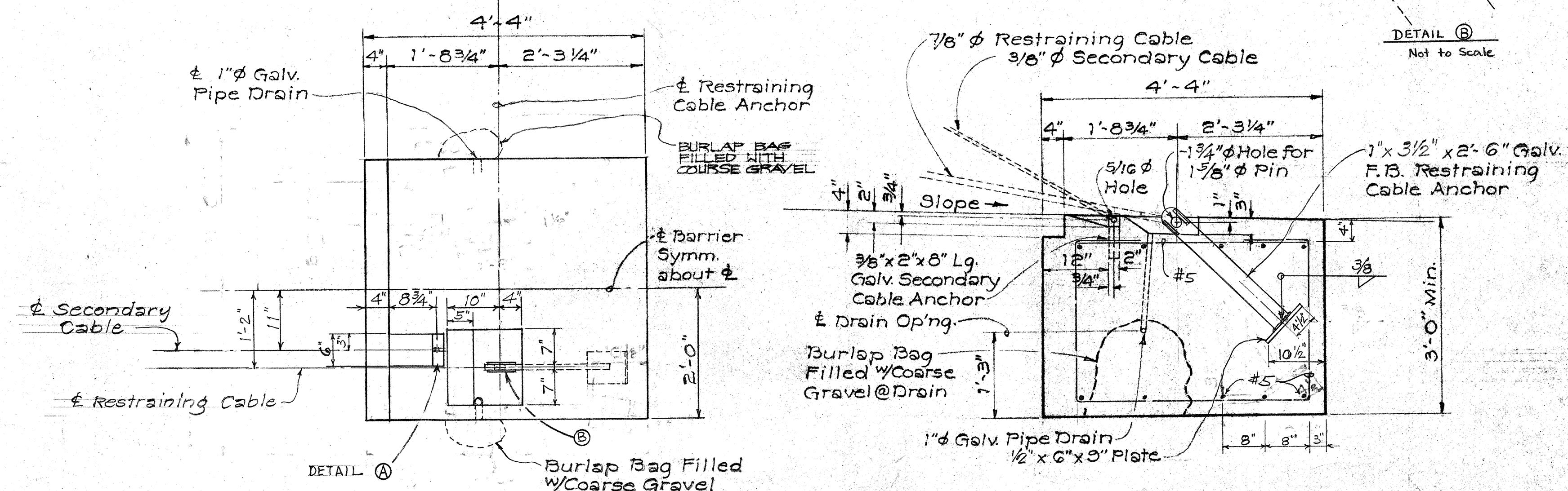
$2\frac{7}{8}"$

$\frac{1}{2}"$

(m)

DETAIL @

Not to Scale



TYPICAL SECTION
CONCRETE BARRIER
SCALE: 3/4" = 1'-0"

Technical drawing of a detail of a 16" ϕ HOLE. The drawing shows a vertical rectangular section of a plate with a horizontal line representing the hole. Dimensions include a 2" width for the section, a 2" height for the section, and a 2" distance from the hole to the bottom edge. Section lines are indicated by arrows and the letter 'A'.

DETAIL A

Scale: $\frac{1}{4}" = 1"$

DETAIL (A)
Scale: $\frac{1}{4}" = 1"$



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	" _____
	TRACED BY _____	" _____
	DESIGNED BY _____	" _____
	QUANTITIES BY _____	" _____
No. _____	CHECKED BY _____	" _____