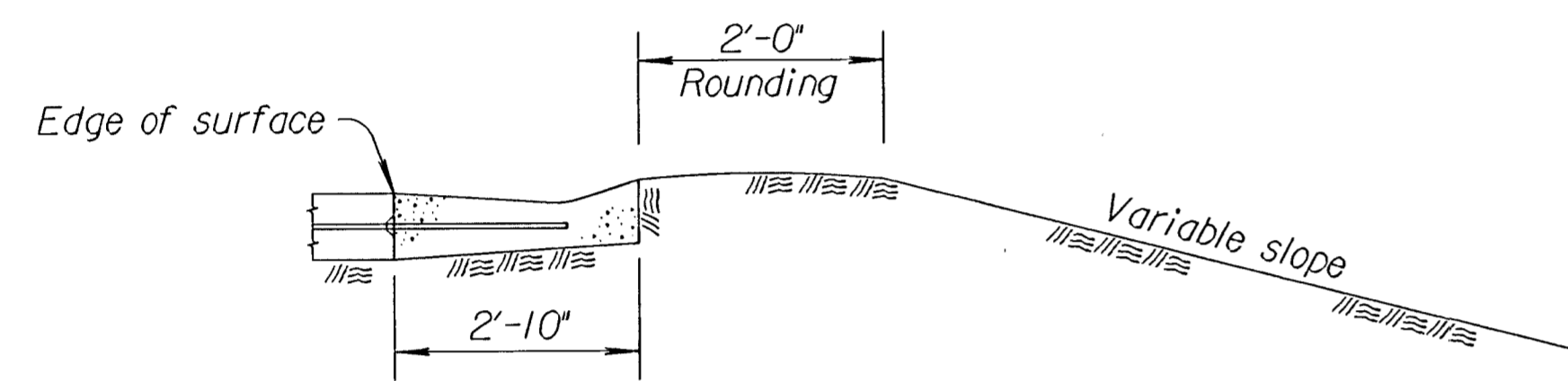


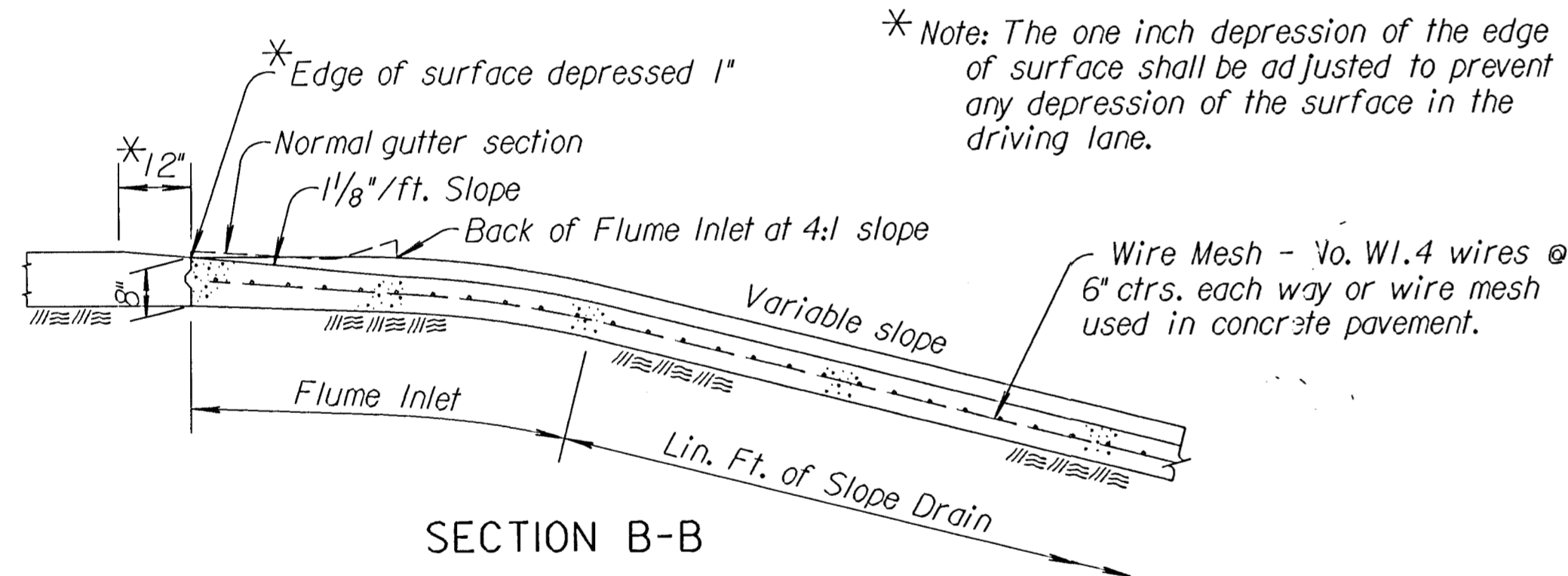
▲ On concrete paved shoulders where, due to skew of the bridge, flume inlet extends beyond the 4' pressure relief joint of the special concrete bridge approach, the portion of inlet or gutter extending beyond the pressure relief joint shall not be tied to the concrete shoulder with tie bars.

Location of Construction Joints or Planes of Weakness.

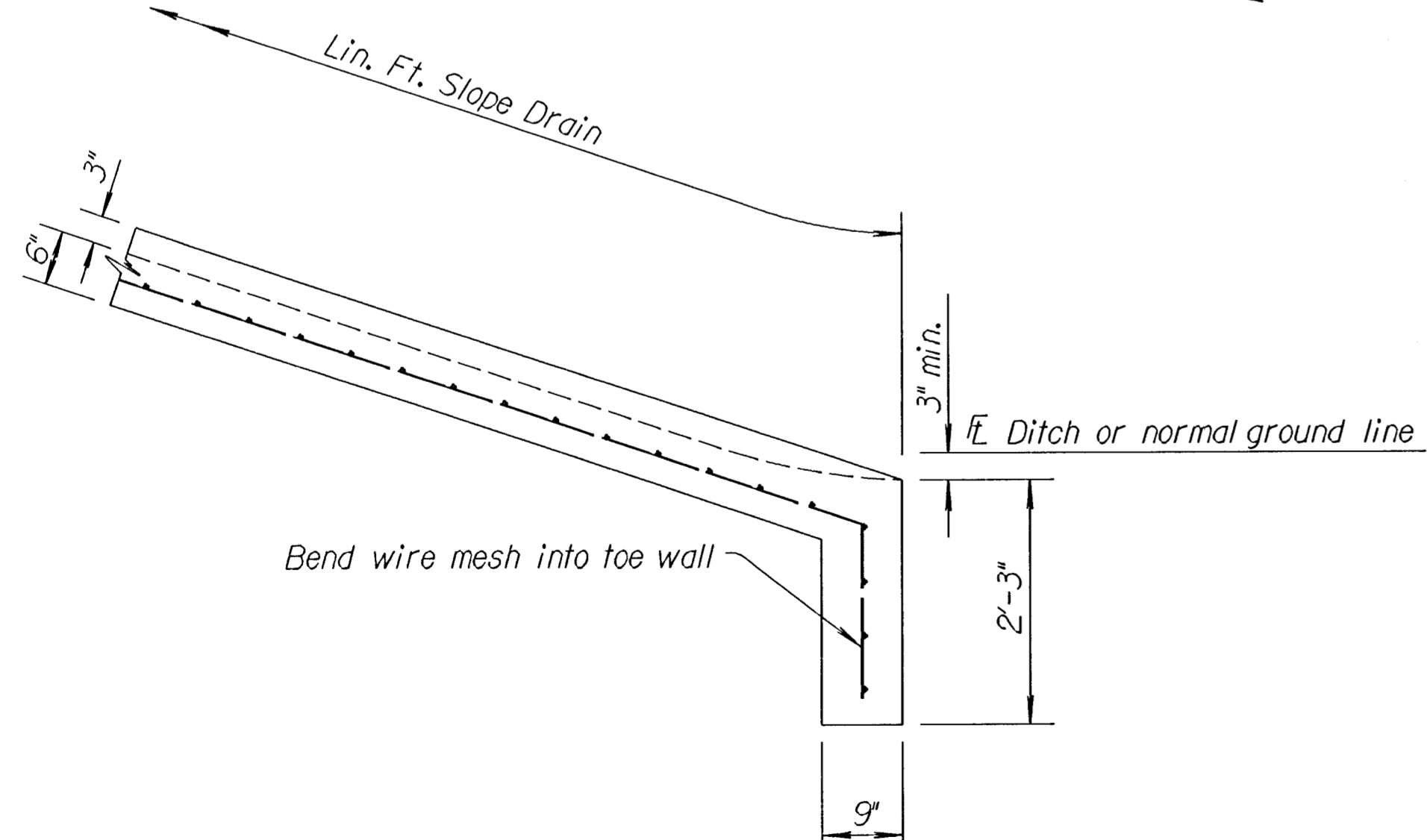
DIAGRAM of FLUME INLET at PRESSURE RELIEF JOINT



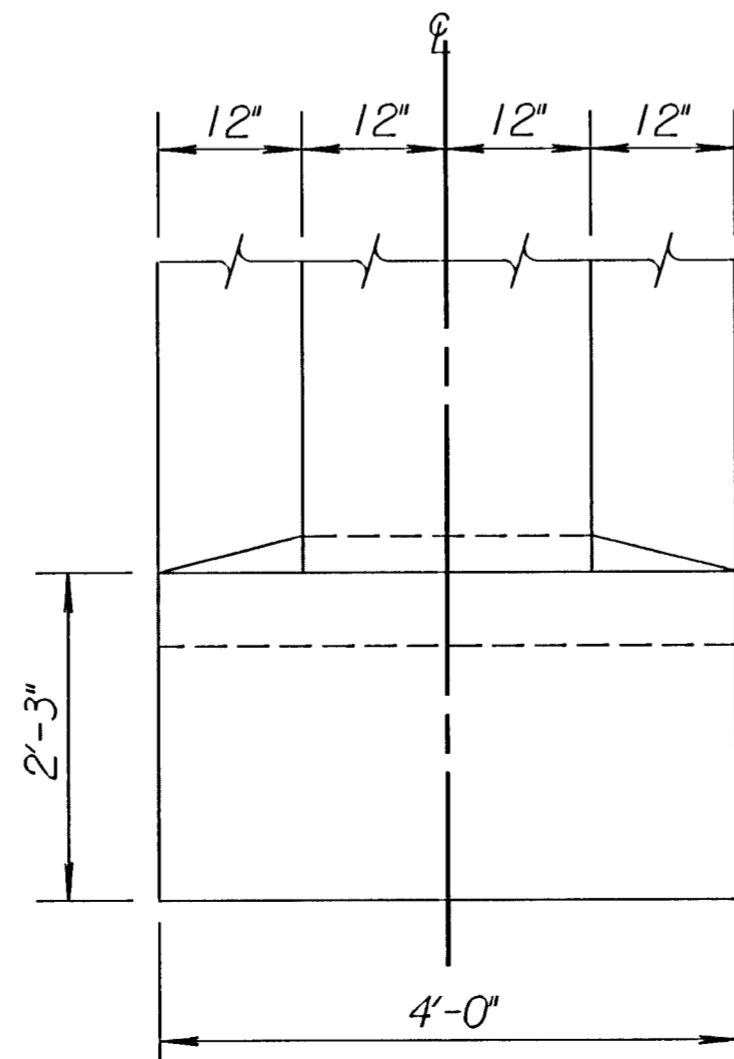
SECTION A-A



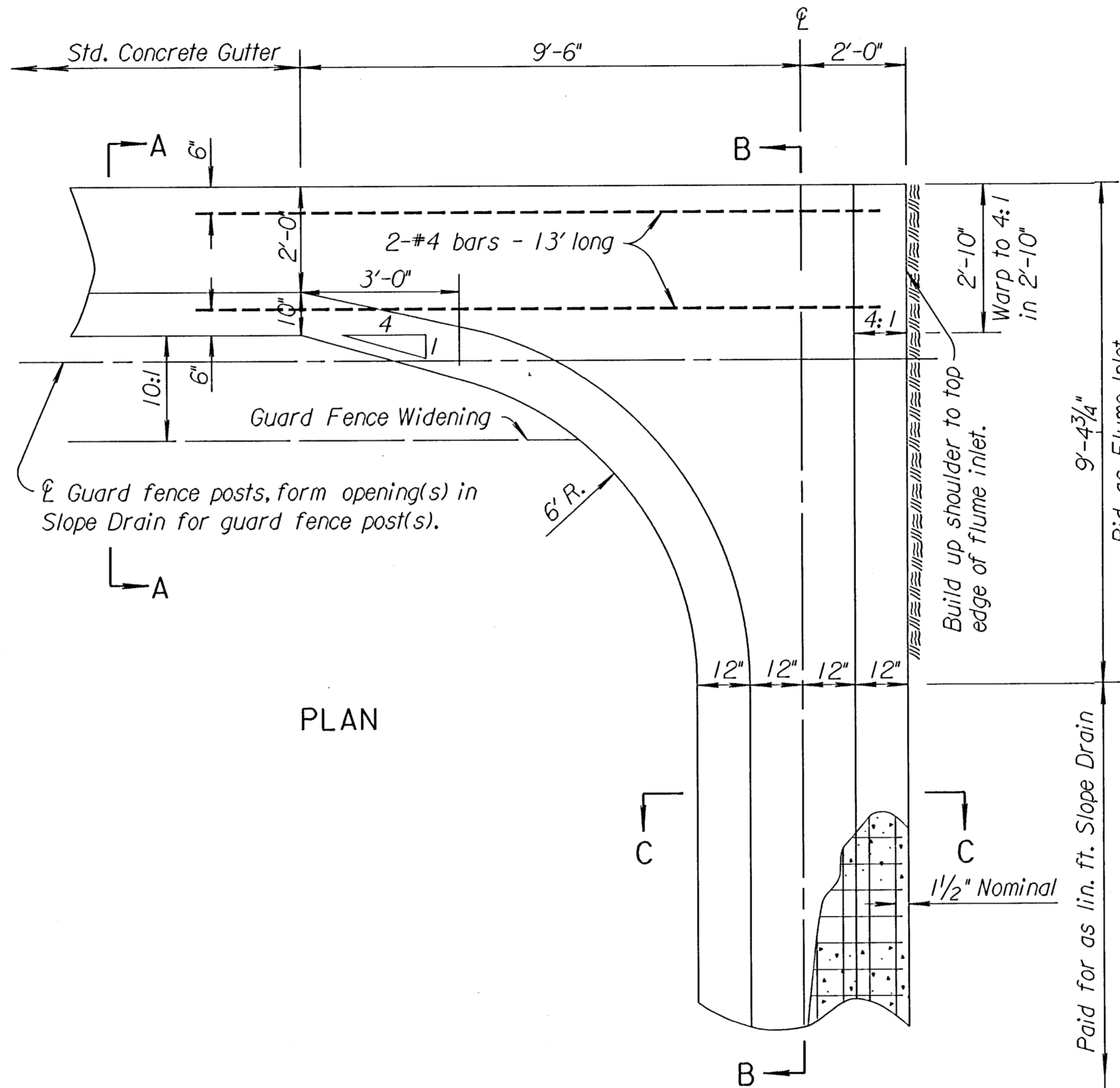
SECTION B-B



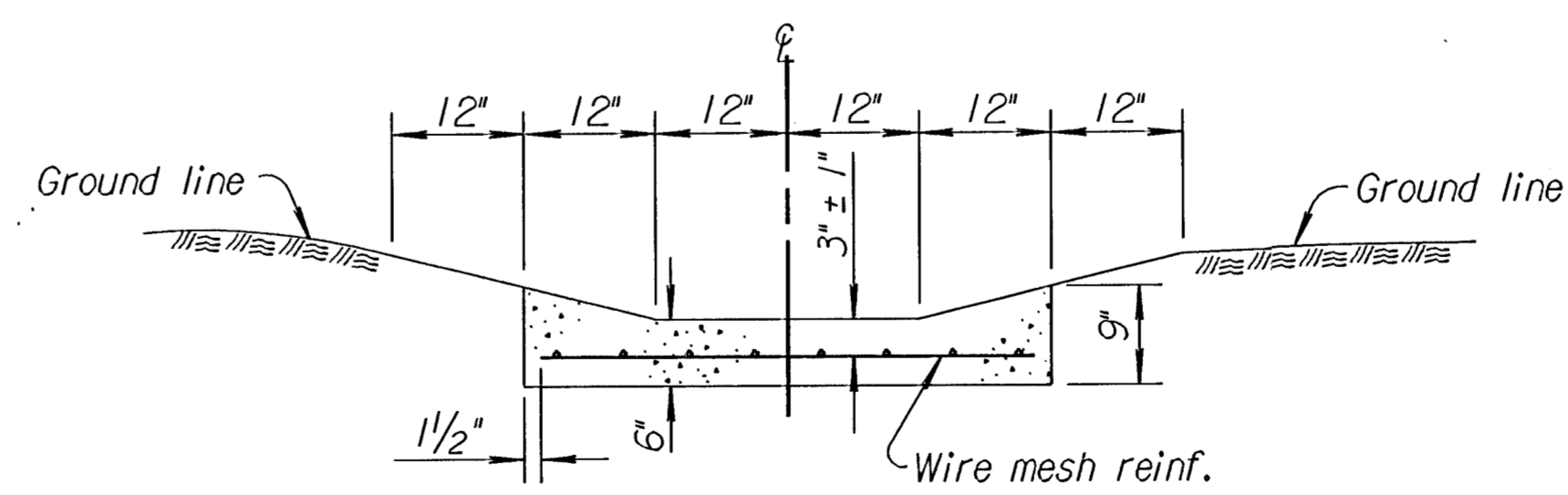
SIDE ELEVATION



END ELEVATION



PLAN



SECTION C-C

**GENERAL NOTE**

Flume Inlets shall be paid for by unit price per each. Slope Drains shall be paid for by unit price per lined foot.

Reinforcing steel & wire mesh are subsidiary to Flume Inlet and Slope Drain.

The entire area of the Flume Inlet & Slope Drain shall be poured monolithic and struck off with a uniform thickness of 6 inches.

Class "A" Concrete (AE) shall be used in Flume Inlet and Slope Drain. On concrete pavement projects, the contractor may substitute the mix used in concrete pavement.

No pavement expansion or contraction joints shall be placed within the limits of the Flume Inlet & Slope Drain. Transverse expansion and contraction joints of same type as pavement are to extend through gutter. Omit load transfer devices.

All exposed edges shall be finished with an edging tool.

For details of concrete gutter see Std. No. RD635.

Location of Flume Inlet shall be adjusted as necessary in order that no more than one guard fence post is located within it. No adjustment of guard fence post spacing will be permitted to accomplish this.

When installed adjacent to concrete pavement, flume inlet shall be tied to the pavement with #4 x 4'-0" Gutter tie bars at 2'-6" centers.

**QUANTITIES**  
(For information only)

- Flume Inlet:  
1.46 cu. yds. Concrete  
31 lbs. reinf. steel and mesh
- Slope Drain:  
0.0833 cu. yds. Concrete per lin. ft.  
0.84 lbs. reinforcing mesh per lin. ft.  
Toe wall shall be paid for as 1.5 lin. ft. of Slope drain.

NO.	DATE	REVISIONS	BY	APP'D
5	12-4-94	Add gutter tie bar note	R.J.S.	J.O.B.
4	12-5-90	Revised notes & details,ent.on CADD	R.J.S.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

**FLUME INLET AND SLOPE DRAIN**

RD630

FHWA APPROVAL	1-12-95	APP'D. James O. Brewer
DESIGNED	DETAILED	QUANTITIES
DESIGN CK.	DETAIL CK.	QUAN. CK.

TRACED Bowser  
TRACE CK. Seitz

Drawn By: KDOT  
Plotted by: maf 7-28-97  
File: i:/1995/95297/002/standard/rd630.dgn