FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	618-34	1998	G1	100

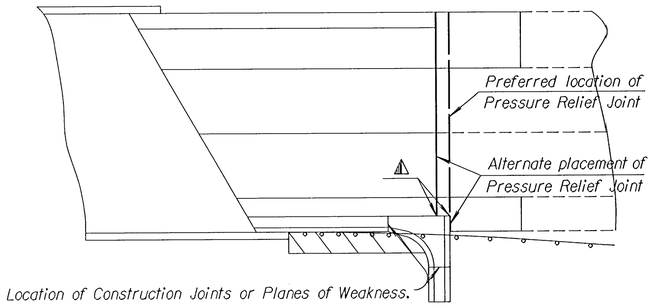
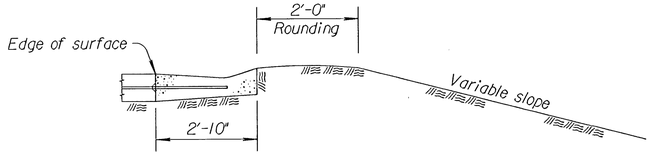
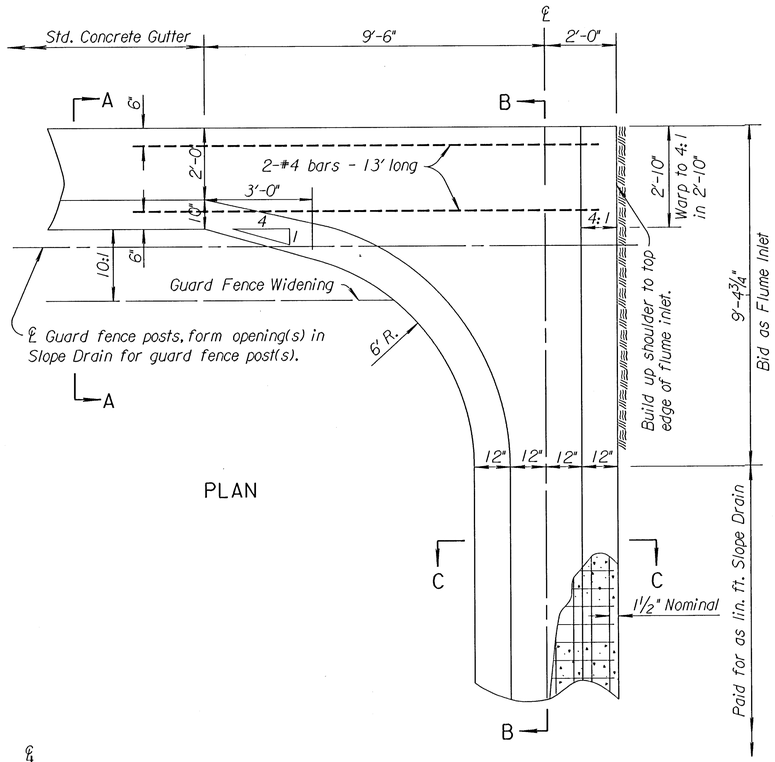


DIAGRAM of FLUME INLET at PRESSURE RELIEF JOINT

⚠ 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.

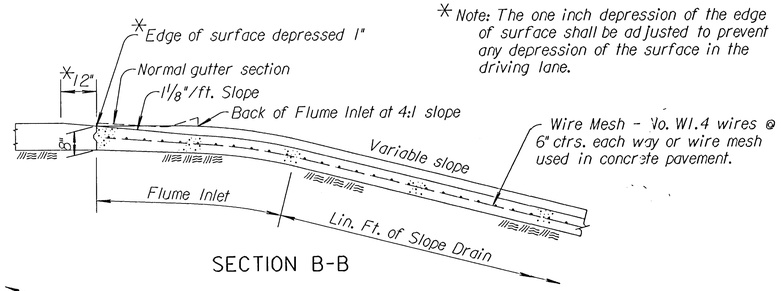


SECTION A-A

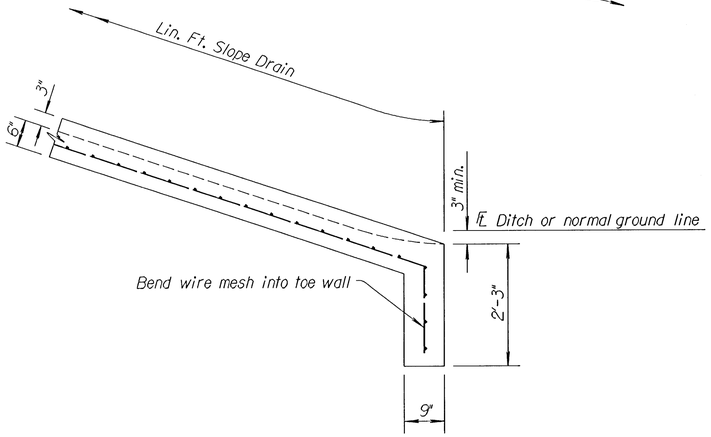


PLAN

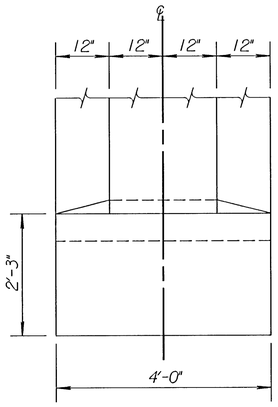
✳ Note: The one inch depression of the edge of surface shall be adjusted to prevent any depression of the surface in the driving lane.



SECTION B-B

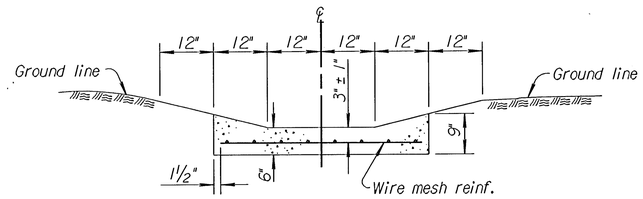


SIDE ELEVATION



END ELEVATION

SLOPE DRAIN & TOE WALL



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 lineal 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	TRACED Bowser
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK. Seitz

Drawn By: KDOT | Plotted by: mef 7-28-97
File: i:/1995/952971/002/standard/rd630.dgn