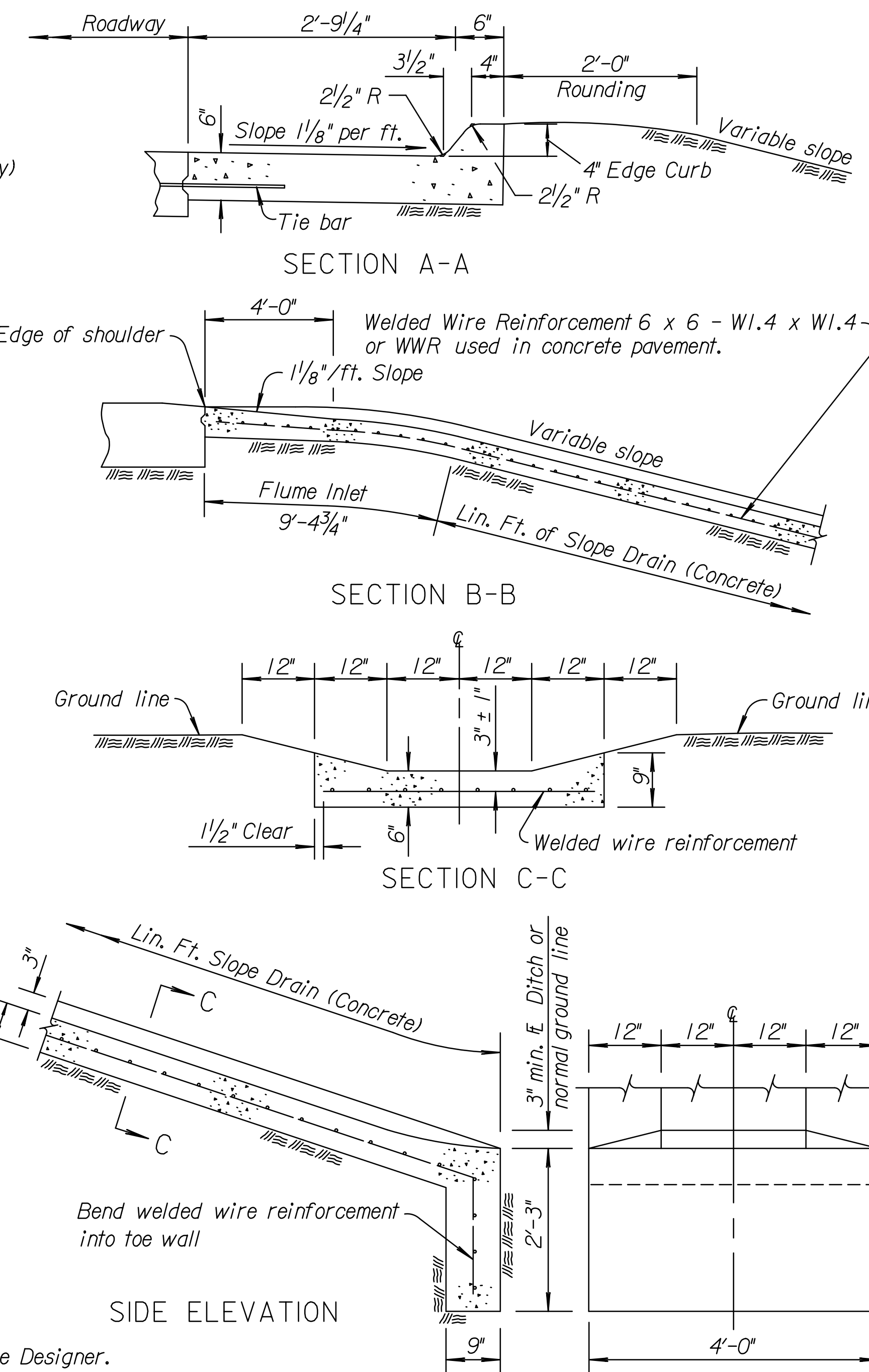
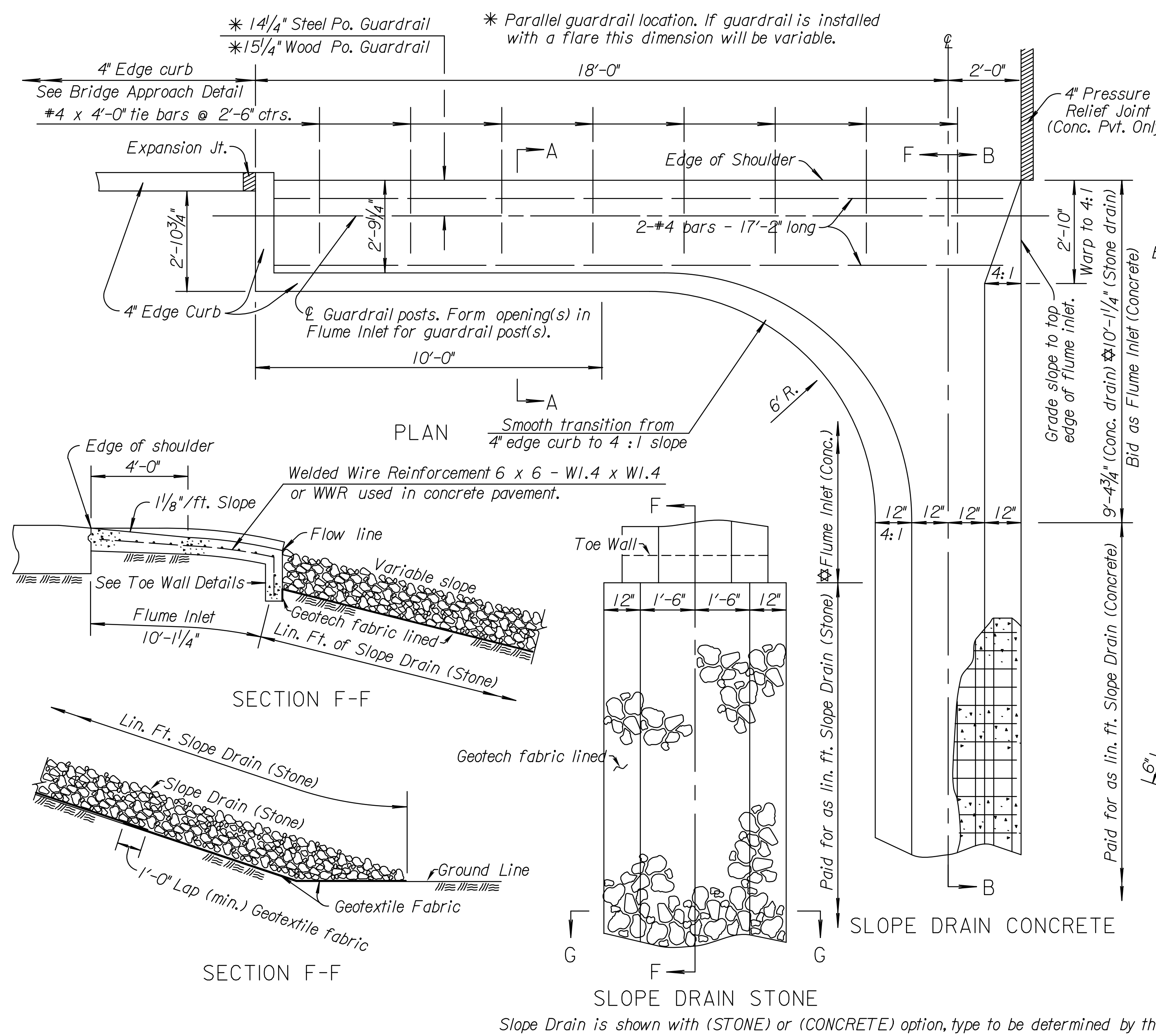


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-85066	2014	65	388



GENERAL NOTE

Flume Inlets shall be paid for by unit price per each. Slope Drains (Stone or Concrete) shall be paid for by unit price per linear foot. Reinforcing steel & welded wire reinforcement are subsidiary to Flume Inlet and Slope Drain.

Flume Inlets will be constructed without Guide Vanes except at locations noted in plans or as directed by the Engineer. Construction of guide vanes, when required, shall be subsidiary to the bid item "Flume Inlet".

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

Guide Vanes may be formed monolithic with the Flume Inlet or tied to the Flume Inlet in the manner shown if constructed separately. Alternate methods of constructing Guide Vanes may be used with approval of the Engineer.

Concrete Grade 3.0 (AE) shall be used in Flume Inlet and Slope Drain. On concrete pavement projects, the contractor may substitute the mix used in concrete pavement.

Transverse expansion and contraction joints of same type in pavement are to extend through the flume inlet and 4" edge curb, omitting load transfer devices. The edge curb section will be made continuous through any expansion joint by using a filler material approved by the Engineer to fill the void to the full height of the curb. Joints will not extend into the Slope Drain.

All exposed edges shall be finished with an edging tool. For details of 4" edge curb see Standard Drawing RD711. No adjustment of guardrail post spacing will be permitted.

Flume inlet shall only be constructed adjacent to concrete pavement. Flume inlet shall be tied to the pavement with #4 x 4'-0" tie bars at 2'-6" centers. Tie bars shall be subsidiary to the Flume Inlet.

Shape of guide vane shown is approximate and may be altered slightly to simplify construction. Height and width dimension shall be as shown regardless of shape.

Aggregate for the Slope Drain (STONE) shall meet the requirements of stone for Aggregate Ditch Lining and have a D50 of 4" unless otherwise noted on the plans. The Contractor shall place stone from bottom to the top of slope to produce a well graded mass without segregation of material sizes. Placement, measurement, and payment shall conform to KDOT Standard Specifications.

Slope Drain (STONE) shall be underlain with geotextile fabric that meets the KDOT Standard Specification. All work and materials for the geotextile fabric shall be subsidiary to the Slope Drain (STONE).

QUANTITIES (For information only)

SLOPE DRAIN (CONCRETE)	
Flume Inlet Concrete:	1.9 cu. yds. Concrete
	42 lbs. reinf. steel and WWR
Slope Drain (CONCRETE):	0.0833 cu. yds. Concrete per lin. ft.
	0.79 lbs. WWR per lin. ft.
	Toe wall shall be paid for as 1.5 lin. ft. of Slope drain.
SLOPE DRAIN (STONE)	
Flume Inlet & Toe Wall Concrete:	2.2 cu. yds. Concrete
	44 lbs. reinf. steel and WWR
Slope Drain (STONE):	4" Aggregate (D50)
	0.25 cu. yds. 4" Agg. (D50) per lin. ft.
	0.90 sq. yds. Geotextile fabric per lin. ft.

⊗ Does not include guide vanes.

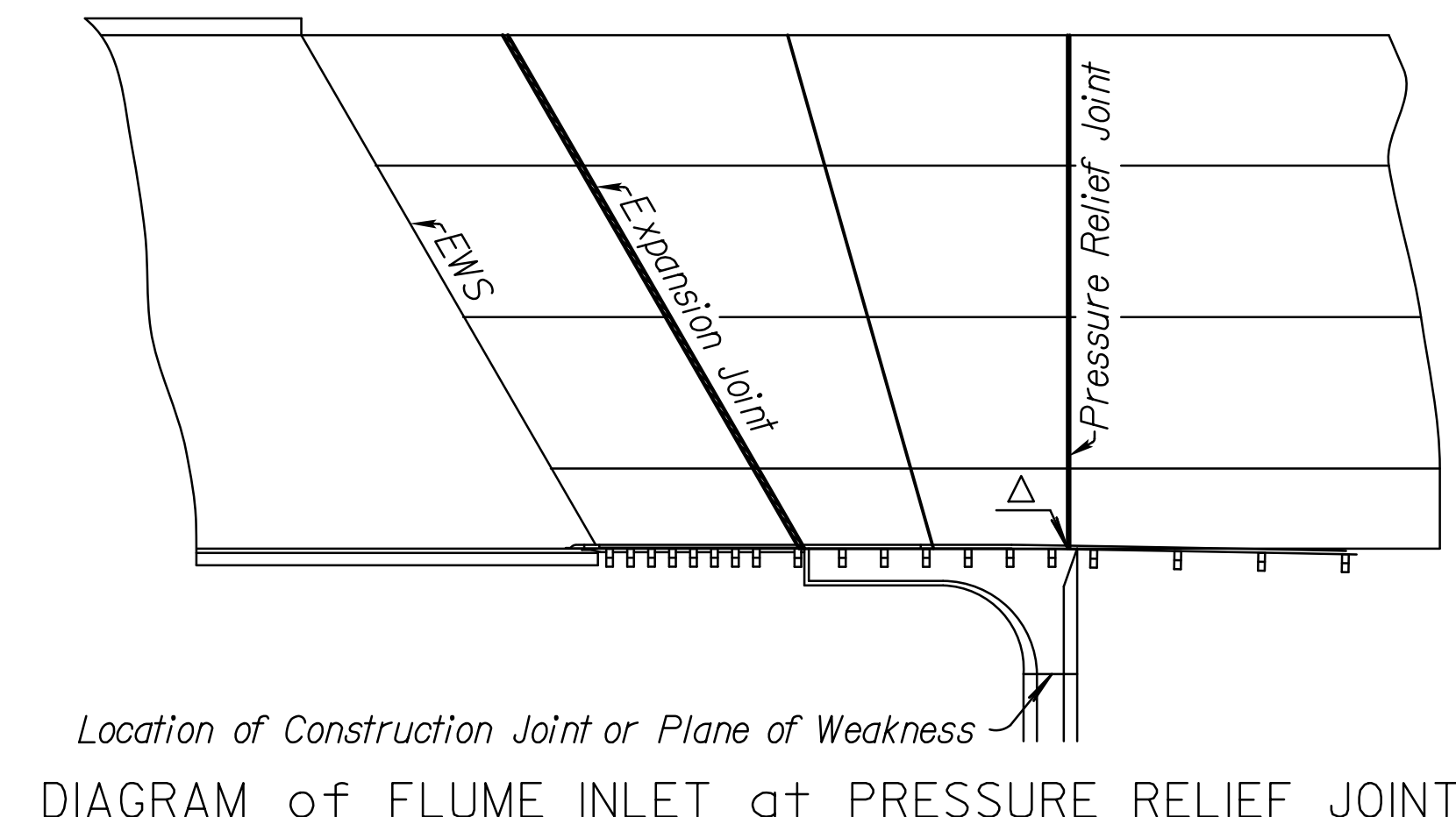
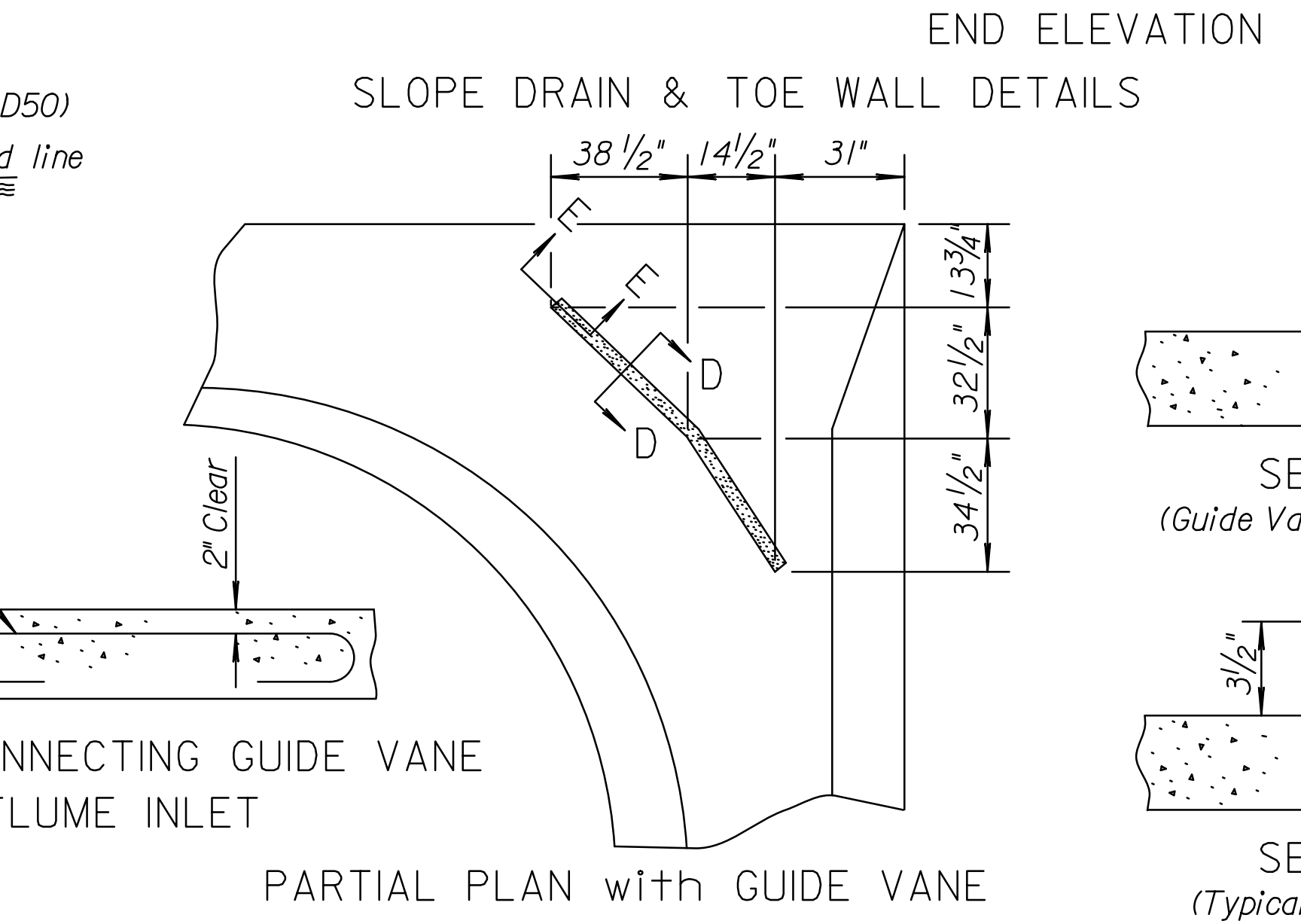
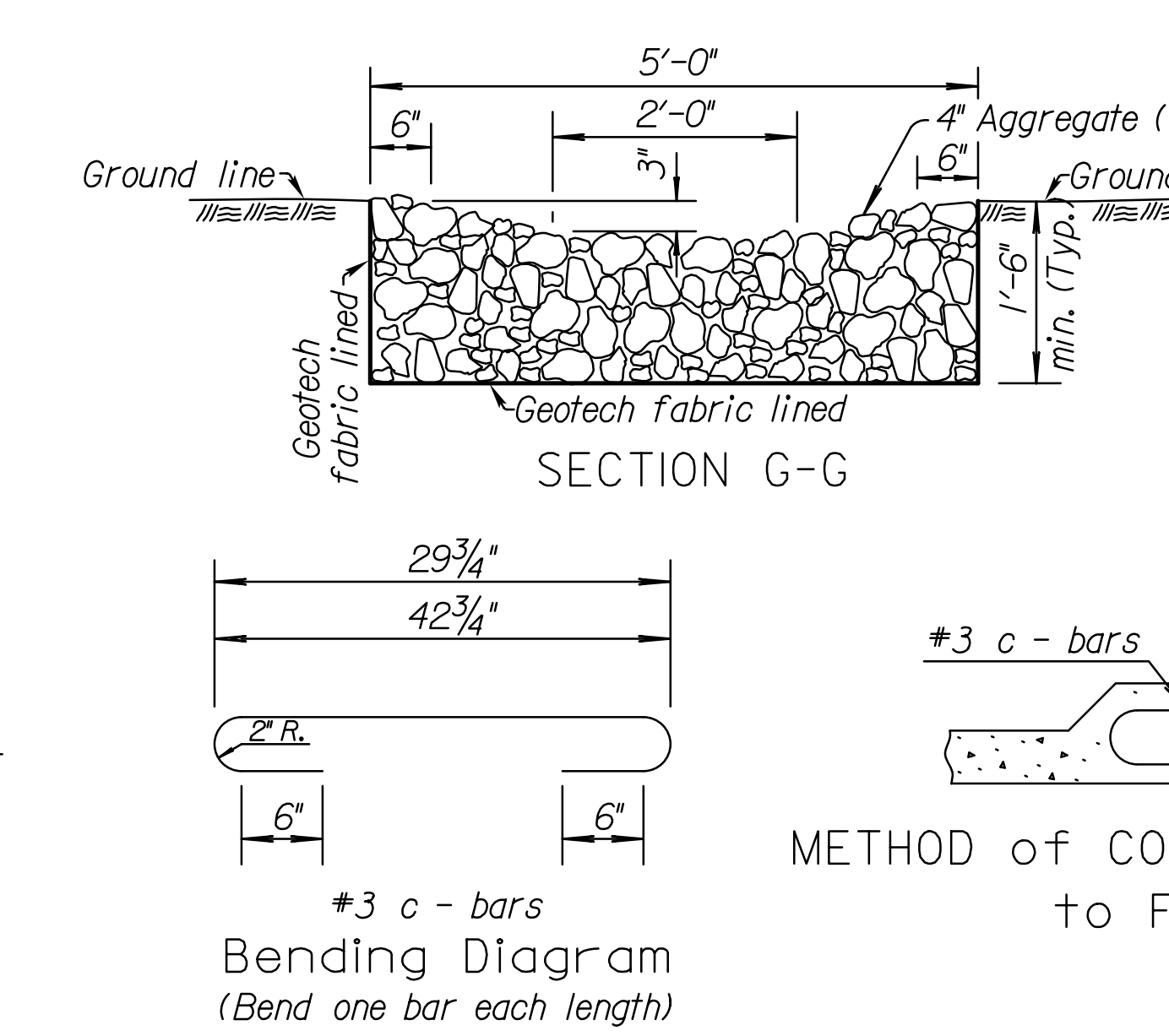


DIAGRAM of FLUME INLET at PRESSURE RELIEF JOINT

△ On projects with concrete paved shoulders where, due to skew of the bridge, the 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.



REVISIONS

NO.	DATE	REVISIONS	BY	APP'D
5	9-12-07	Reorg. sheet, add slope drain stone	S.W.K.	J.O.B.
4	1-28-05	Chg. Class to Grade conc., reinf.	S.W.K.	J.O.B.
3	7-26-04	Revised guard fence to guardrail	S.W.K.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

FLUME INLET and SLOPE DRAIN (CONCRETE/STONE)

RD628

DESIGNED	11-20-07	APP'D	James O. Brewer
DESIGN CK.	DETAILED	QUANTITIES	TRACED
	DETAIL CK.	QUAN. CK.	CK. King

Drawn By: cp
 Plotted: 30-DEC-2013 13:34
 File: I:\2009\09521\Standards\09521-rd628.dgn