

Welded Wire Reinforcement
6 x 6 - W1.4 x W1.4

AGGREGATE SUBSIDARY TO
CONCRETE FLUME PER L.F.

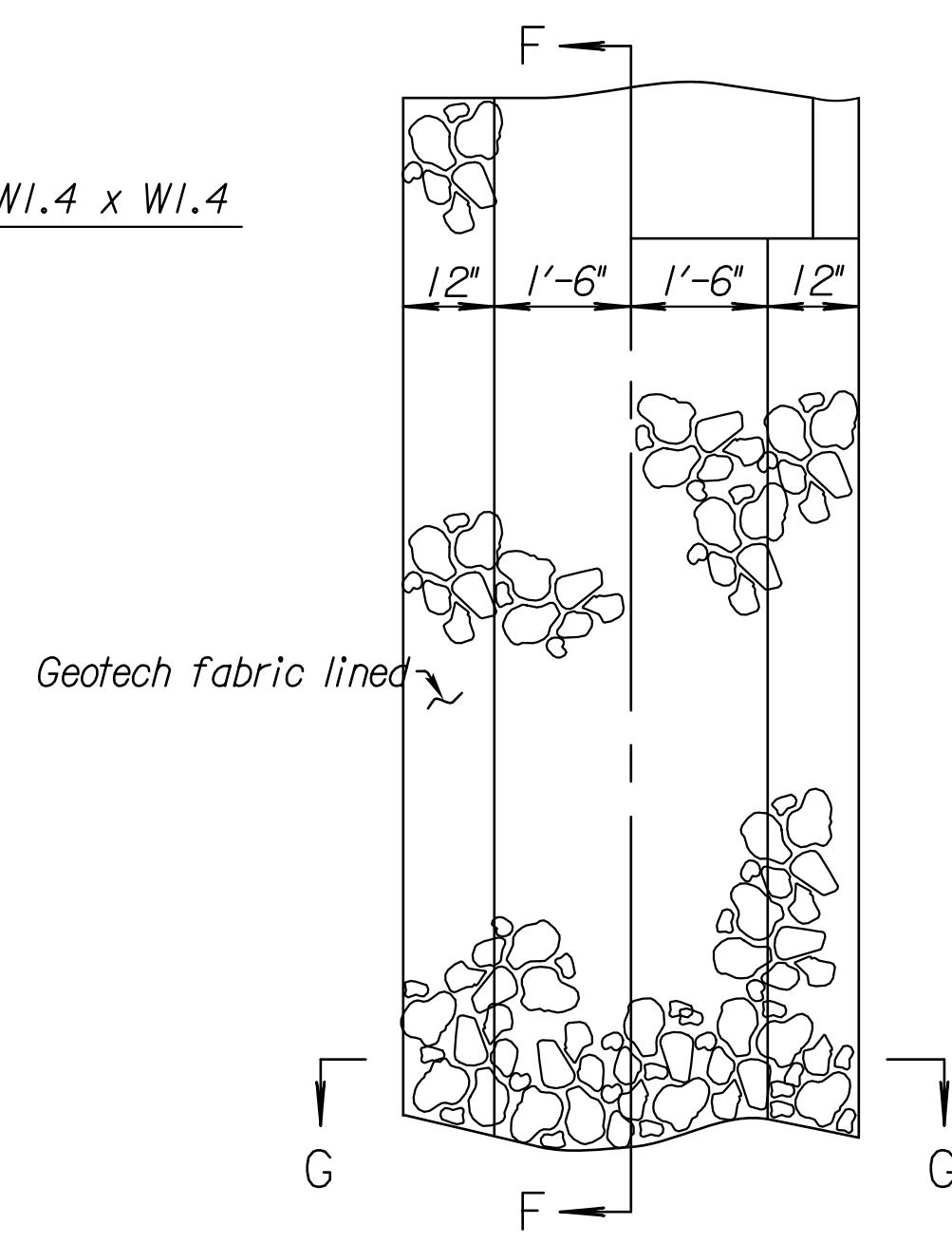
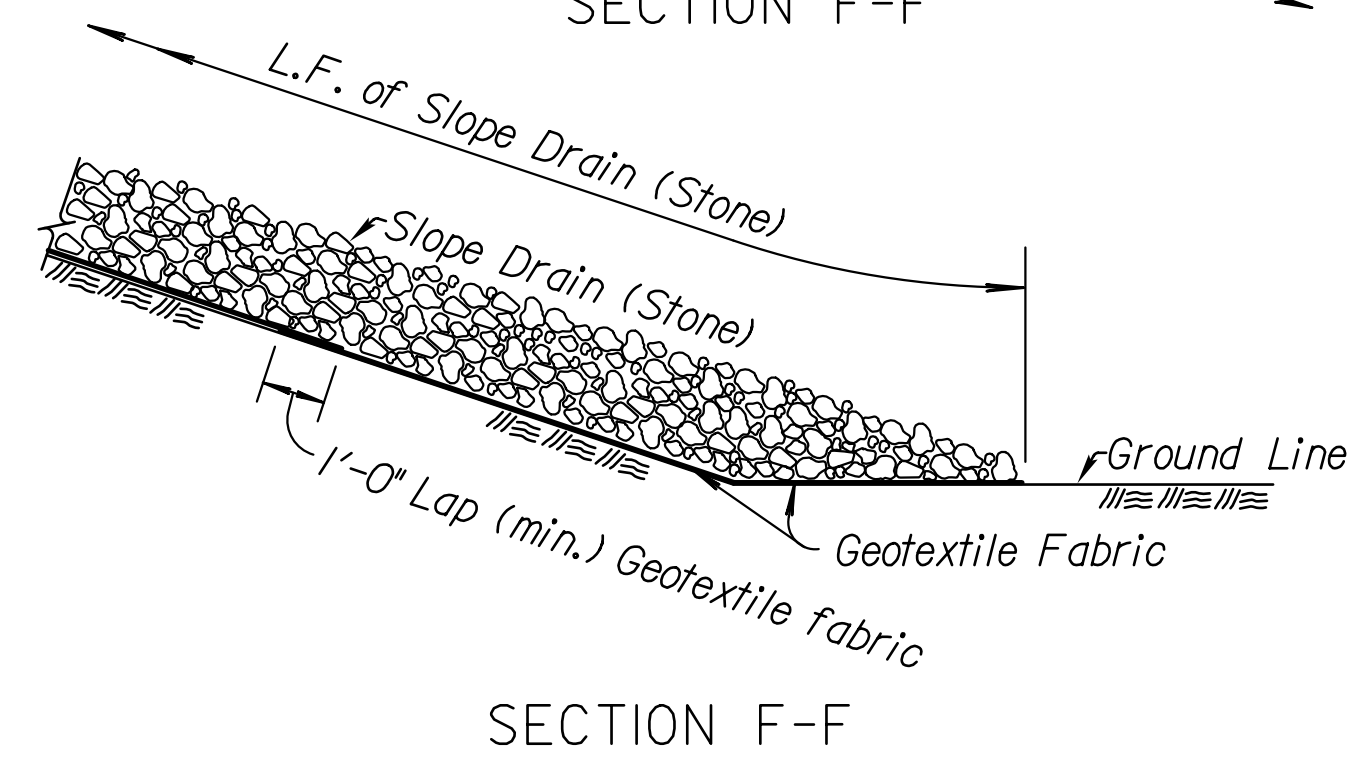
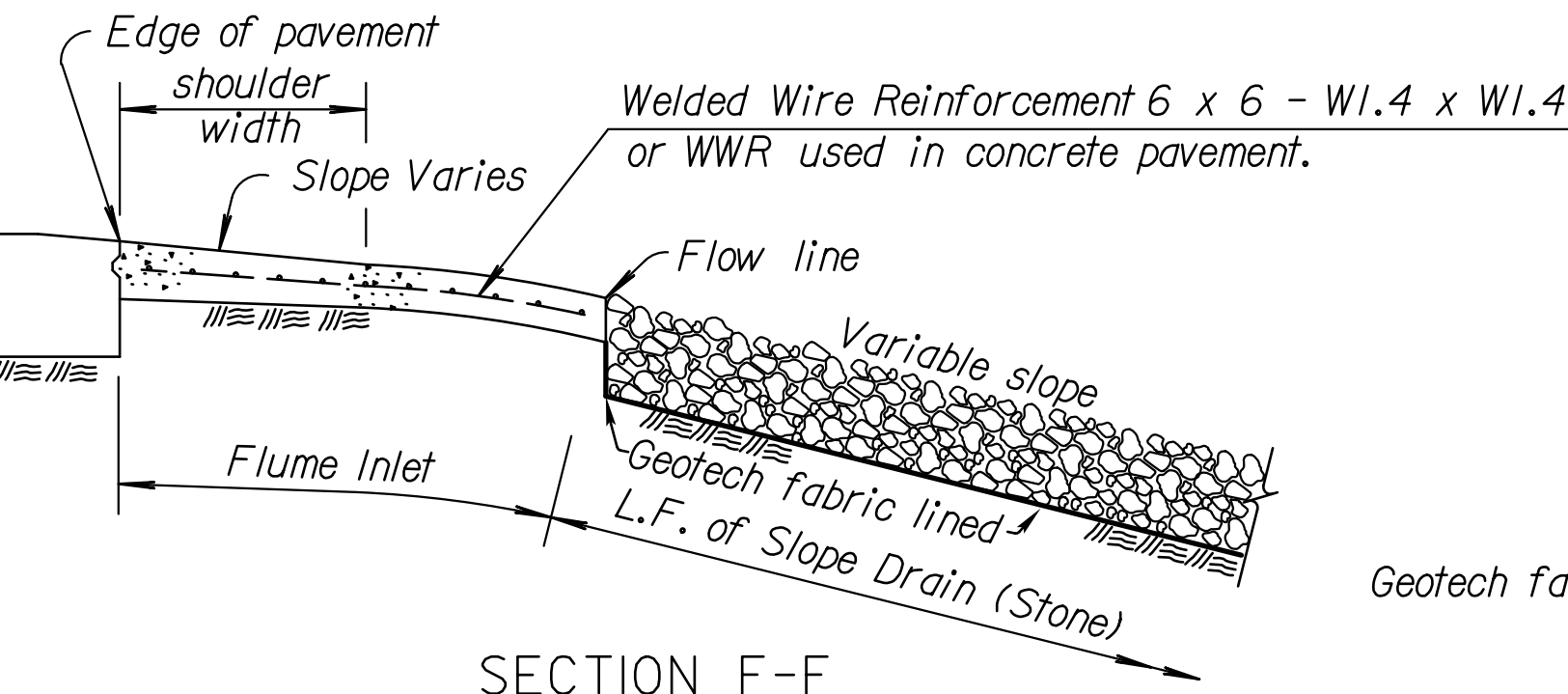
Length Varies

AGGREGATE PAID FOR AS SLOPE
DRAIN (STONE)

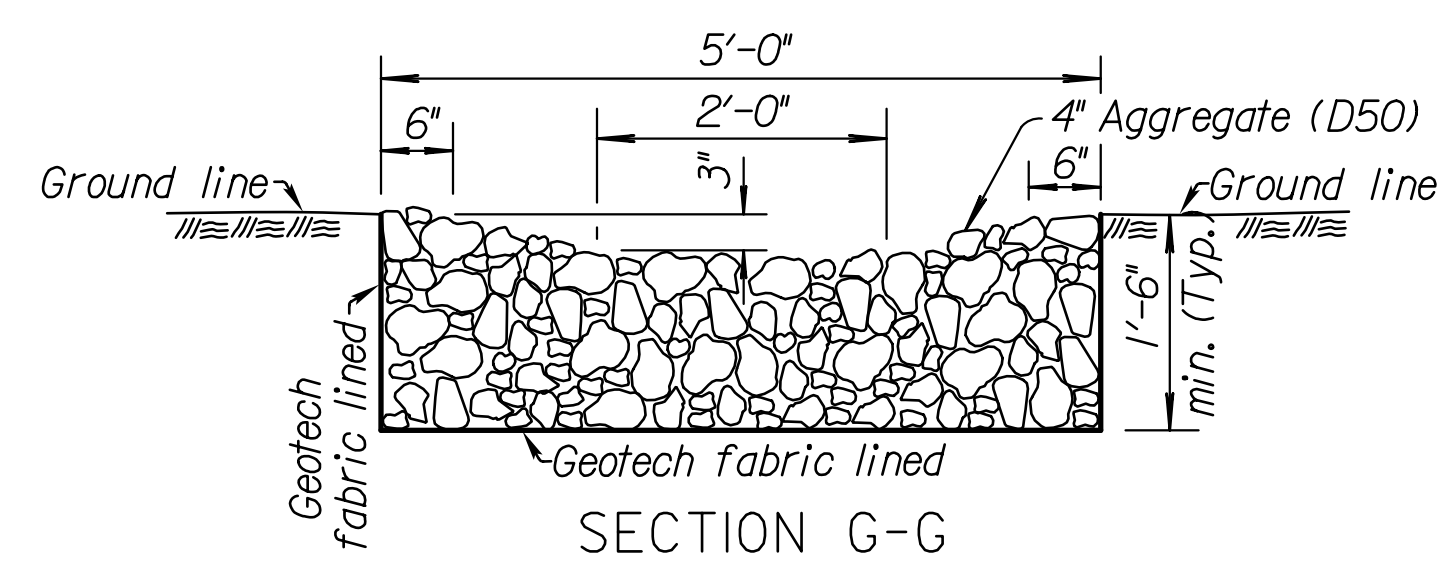
LENGTH VARIES

2'-6" 2'-6" 5'-0"

Type I Curb and Gutter



SLOPE DRAIN STONE
Slope Drain is shown with (STONE) or (CONCRETE) option,
type to be determined by the Designer.



GENERAL NOTE

Flume Inlets shall be paid for by unit price per L.F. Riprap Light Stone shall be paid for by unit price per square yard.
Reinforcing steel & welded wire reinforcement are subsidiary to Flume Inlet and Riprap Light Stone.
The entire area of the Flume Inlet & Riprap Light Stone shall be placed monolithic and struck off with a uniform thickness of 6 inches.
Concrete Grade 3.0 (AE) shall be used in Flume Inlet and Riprap Light Stone. 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.
Flume Inlet (CONCRETE) shall be shaped so that flow is as indicated by the drainage arrows shown in the drawings.
Aggregate subsidiary to Flume Inlet (CONCRETE) shall meet the requirements of Aggregate for Slope Drain (Stone).
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.

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CONSULTANTS:

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WICHITA, KANSAS
CITY OF WICHITA

REVISIONS:	MARK	DATE	DESCRIPTION

PROJ NO: 87 N-0616-01
SCALE: N/A
DATE: 10/9/2017
DESIGNED BY: TAU
DRAWN BY: TAU
CHECKED BY: MDB

SHEET TITLE:
CONCRETE FLUME DETAIL

SHEET NO.
43
SHEET 43 OF 166