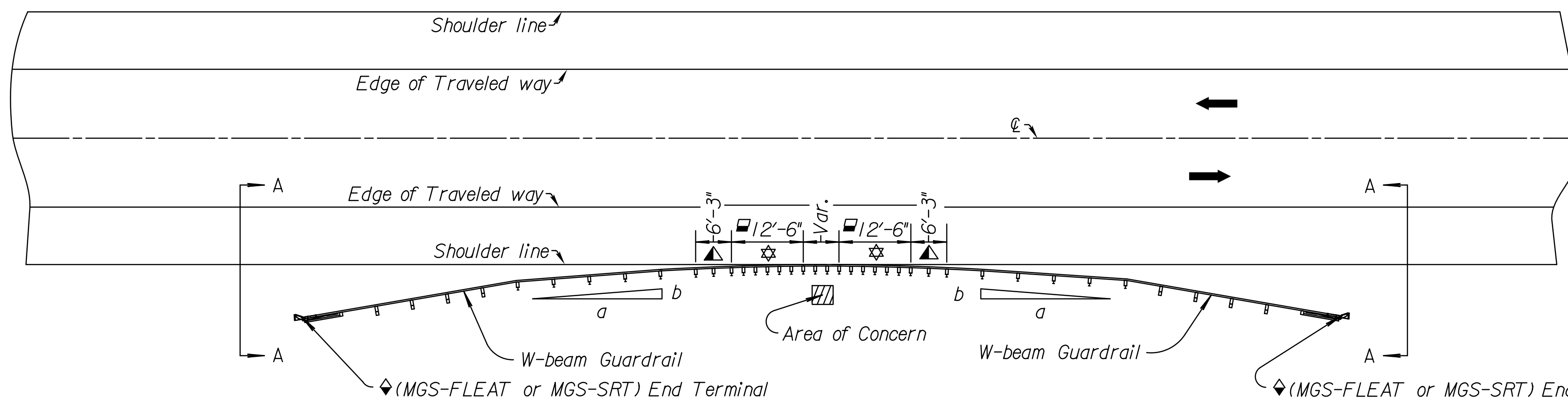
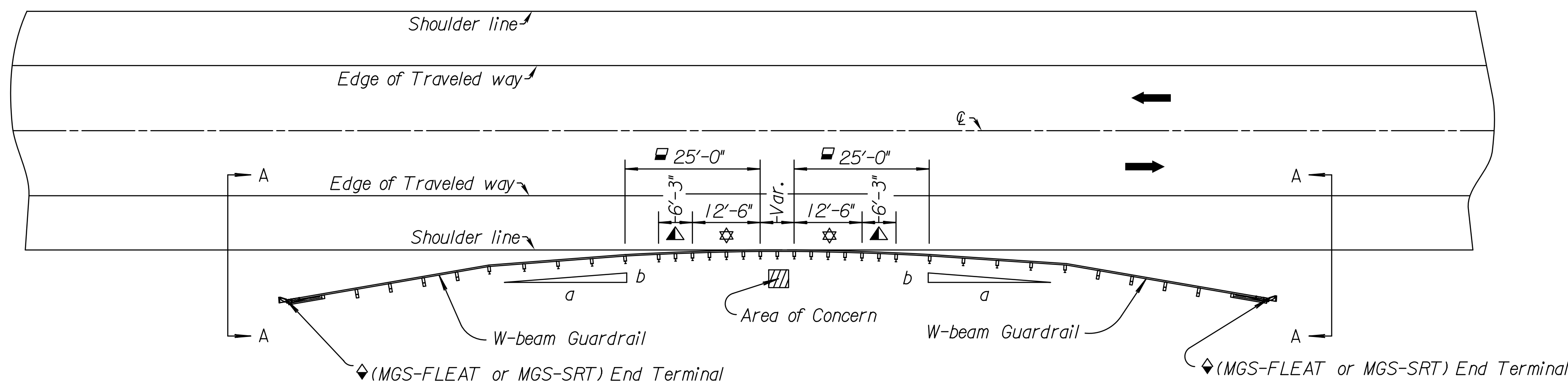


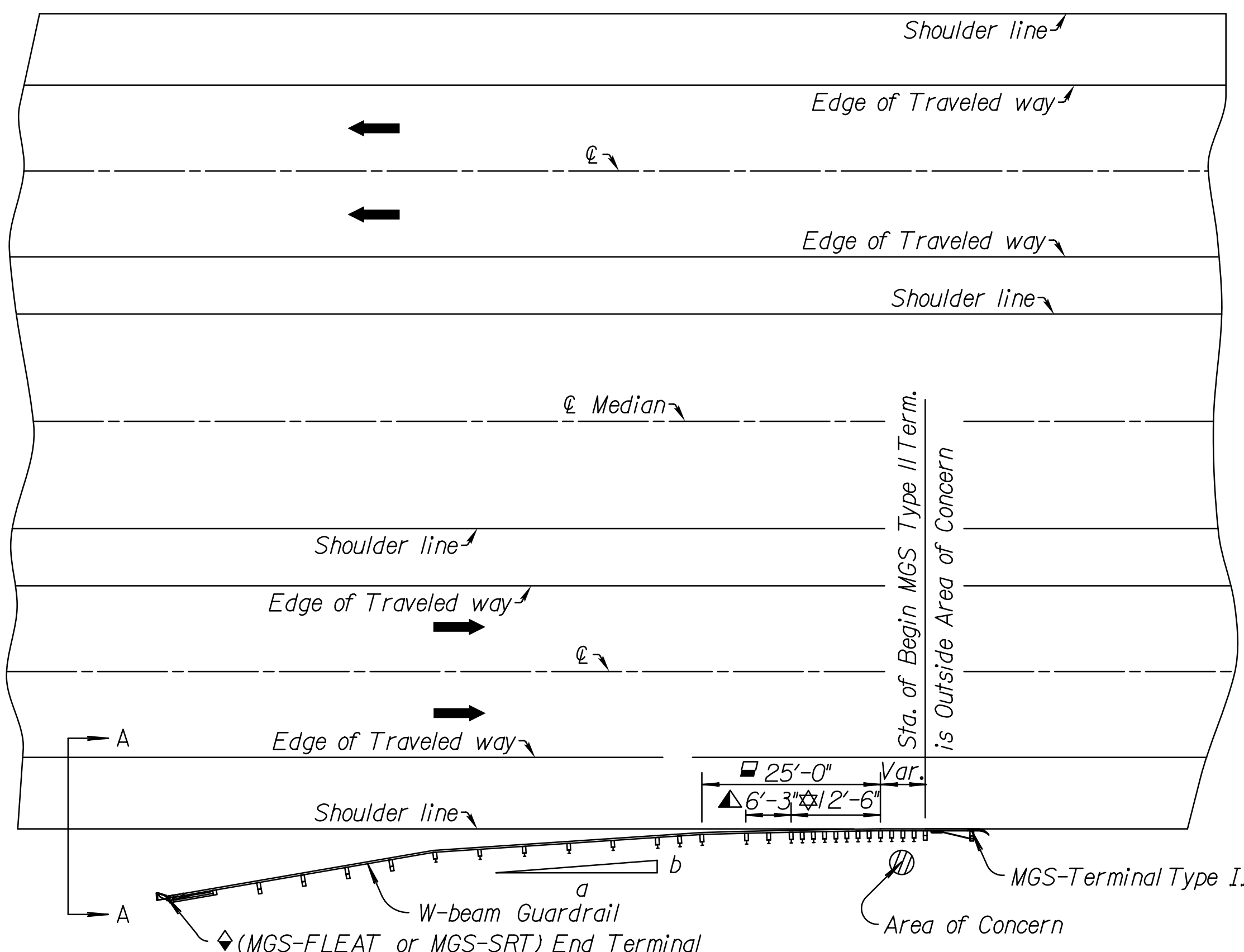
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-85066	2014	83	388



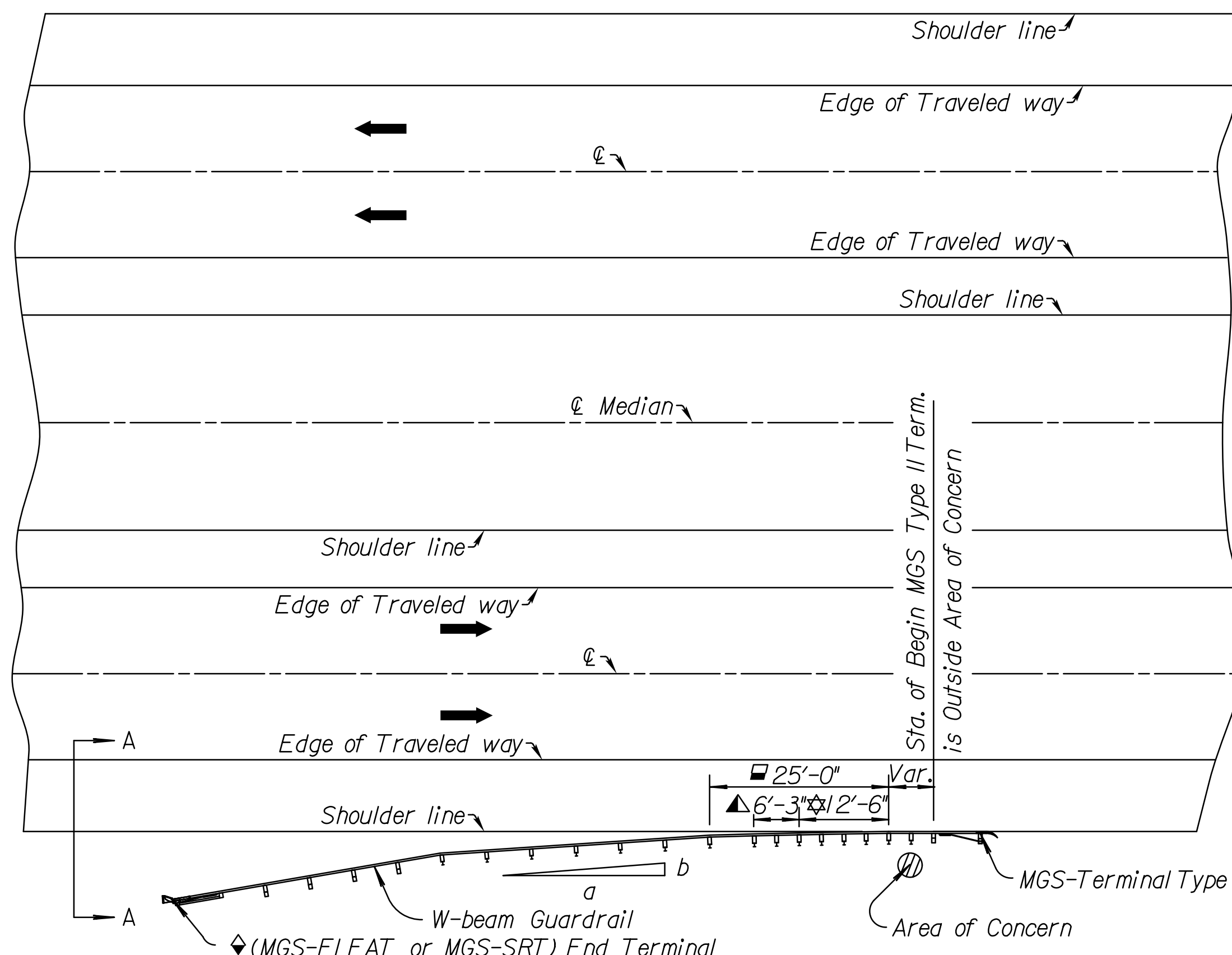
PLAN VIEW TWO LANE (1/4 Post Spacing)



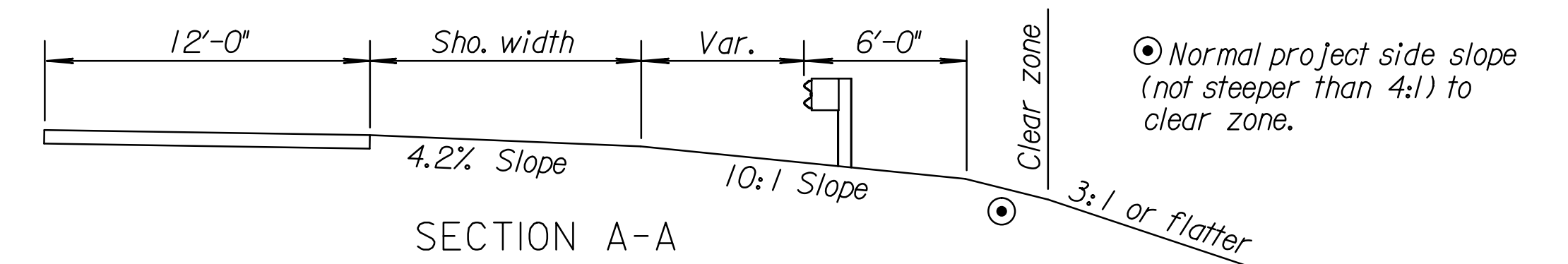
PLAN VIEW TWO LANE (1/2 Post Spacing)



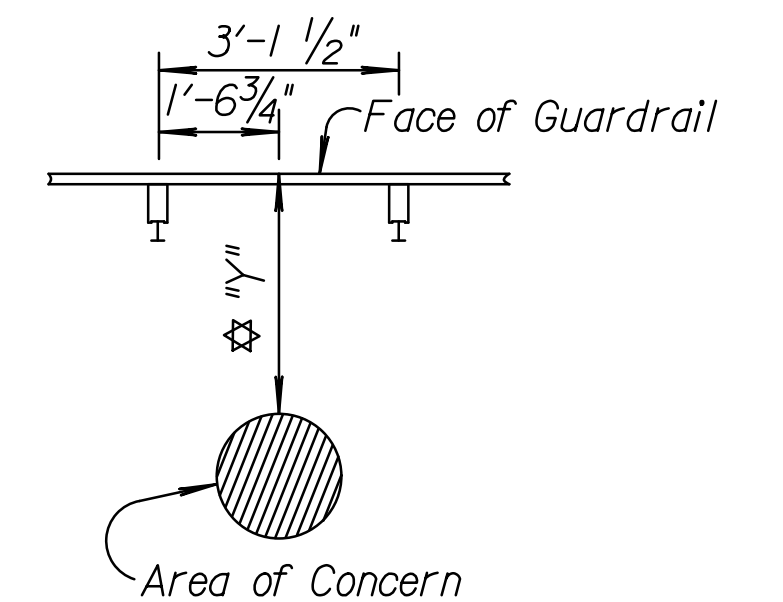
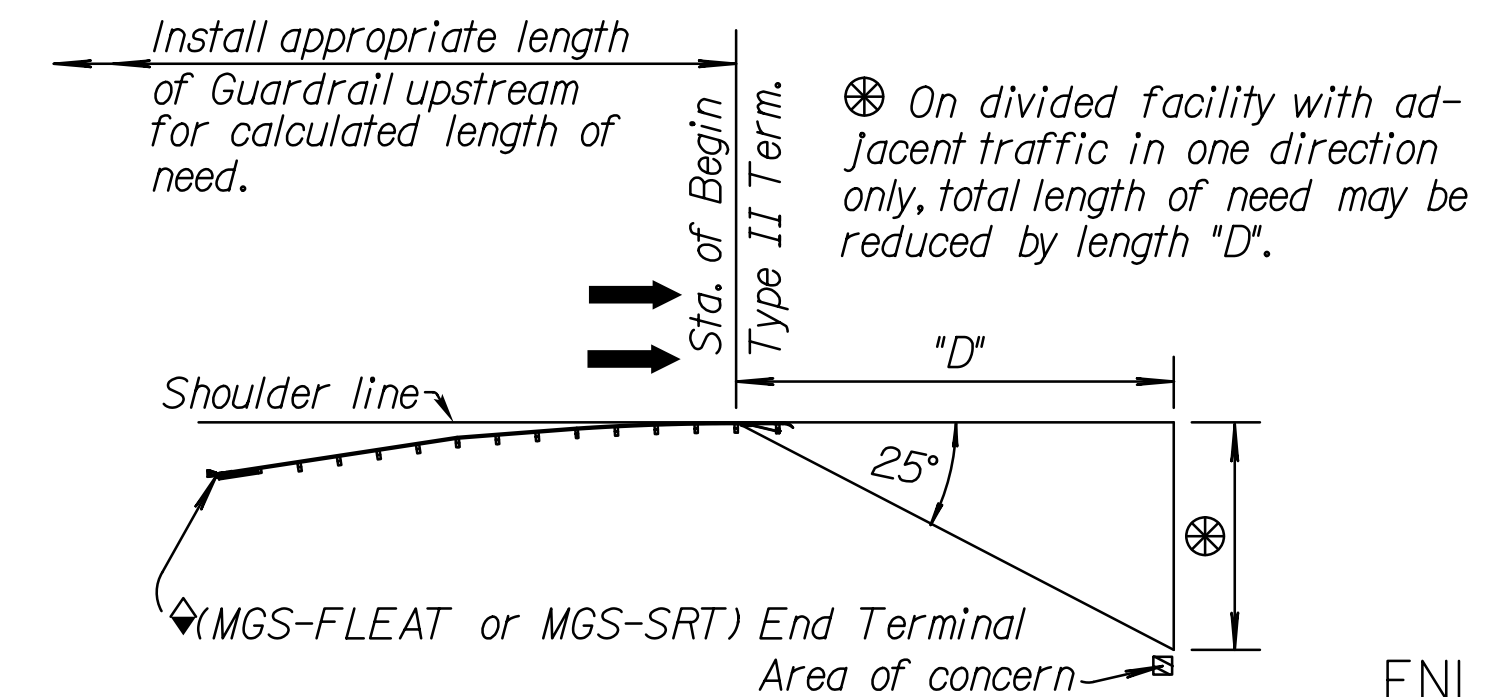
PLAN VIEW FOUR LANE (1/4 Post Spacing)



PLAN VIEW FOUR LANE (1/2 Post Spacing)



- ▣ See Design Parameters table on this sheet for radius, length of curve and flare rate information.
- ◆ See appropriate end terminal details.
- ▲ Additional 1/2 post spacing



ENLARGEMENT - AREA OF CONCERN

DETAILS OF GUARDRAIL PROTECTION AT ROADSIDE OBSTACLE

Design Parameters				
Design Speed (mph)	Flare Rate (a:b)	Radius (R)	Flare Rate (2a:b)	Radius (R)
70	15:1	375.55'	30:1	375.14'
60	14:1	350.59'	26:1	325.16'
55	12:1	300.69'	24:1	300.17'
50	11:1	275.76'	21:1	262.70'
45	10:1	250.83'	18:1	225.23'
40	8:1	201.04'	16:1	200.26'

* GUARDRAIL AT ROADSIDE OBSTACLES	
TYPE	"Y"
Rigid Barrier	< 3'
Full Post Spacing	≥ 5'
1/2 Post Spacing	≥ 4'
1/4 Post Spacing	≥ 3'

Drawn By: cp
 Plotted: 30-DEC-2013 13:33
 File: I:\2009\09521\Standards\09521-rd614a.dgn

KANSAS DEPARTMENT OF TRANSPORTATION	
(MGS) GUARDRAIL at ROADSIDE OBSTACLE (FLARED INSTALLATION)	
RD614A	
DESIGNED	4-25-12
QUANTITIES	APP'D. James O. Brewer
TRACED	TRACED
DESIGN CK.	DETAIL CK.
QUAN. CK.	TRACE CK. King