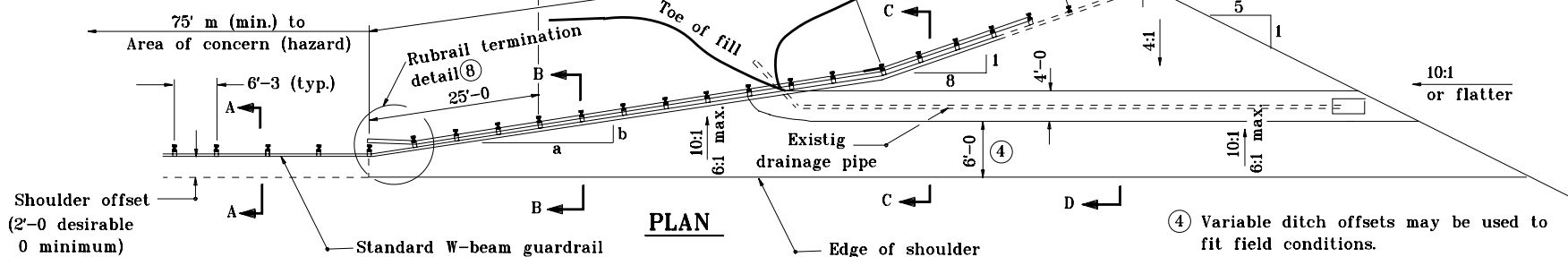


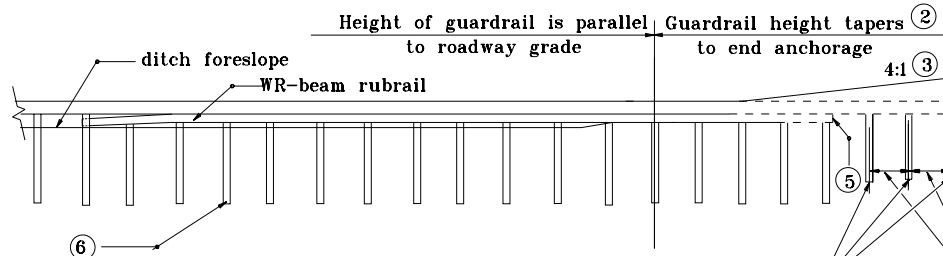
**DITCH DETAIL**



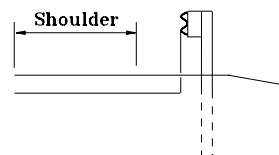
**PLAN**

Design speed mph	a:b
60	13:1
55	12:1
50	11:1
45 or less	10:1

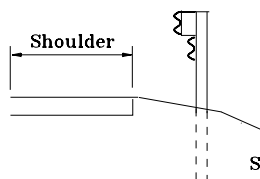
**a:b RATIO**



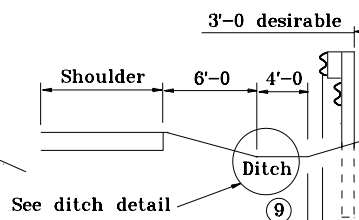
**ELEVATION**



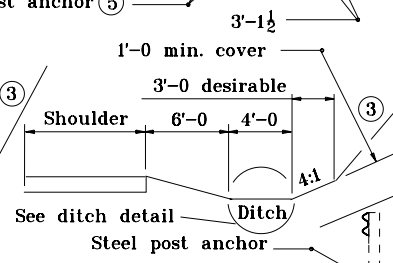
**SECTION A-A**



**SECTION B-B  
(WITH RUBRAIL)**



**SECTION C-C  
(WITH RUBRAIL)**



**SECTION D-D**

**NOTES:**

1. All posts are 8 ft in length from where the guardrail flares away from the shoulder back to the post anchor. Posts for the post anchor are 6 ft long.
2. Guardrail height may be tapered down in elevation to maintain 3'-9" maximum.
3. A 4:1 or flatter slope is desirable. However, a steeper or flatter existing slope may be used.
4. Variable ditch offsets may be used to fit field conditions.
5. See Standard Drawing E 601-GRET-11 for rail attachment details.
6. See Standard Drawing E 601-WBGA-06 for steel post and wood block details.
7. Ditch cross section profile should be same as upstream ditch cross section profile and have same or greater hydraulic capacity.
8. See Standard Drawing E 601-WBGA-06 for detail.
9. Posts shall be installed offset from the required ditch cross section to maintain hydraulic capacity.

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>GUARDRAIL END TREATMENT</b>	
<b>TYPE II</b>	
SEPTEMBER 2000	
<b>STANDARD DRAWING NO. E 601-GRET-10</b>	
	/s/ Anthony L. Uremovich 9-01-00 DESIGN STANDARDS ENGINEER DATE
	/s/ Firooz Zandi 9-01-00 CHIEF HIGHWAY ENGINEER DATE