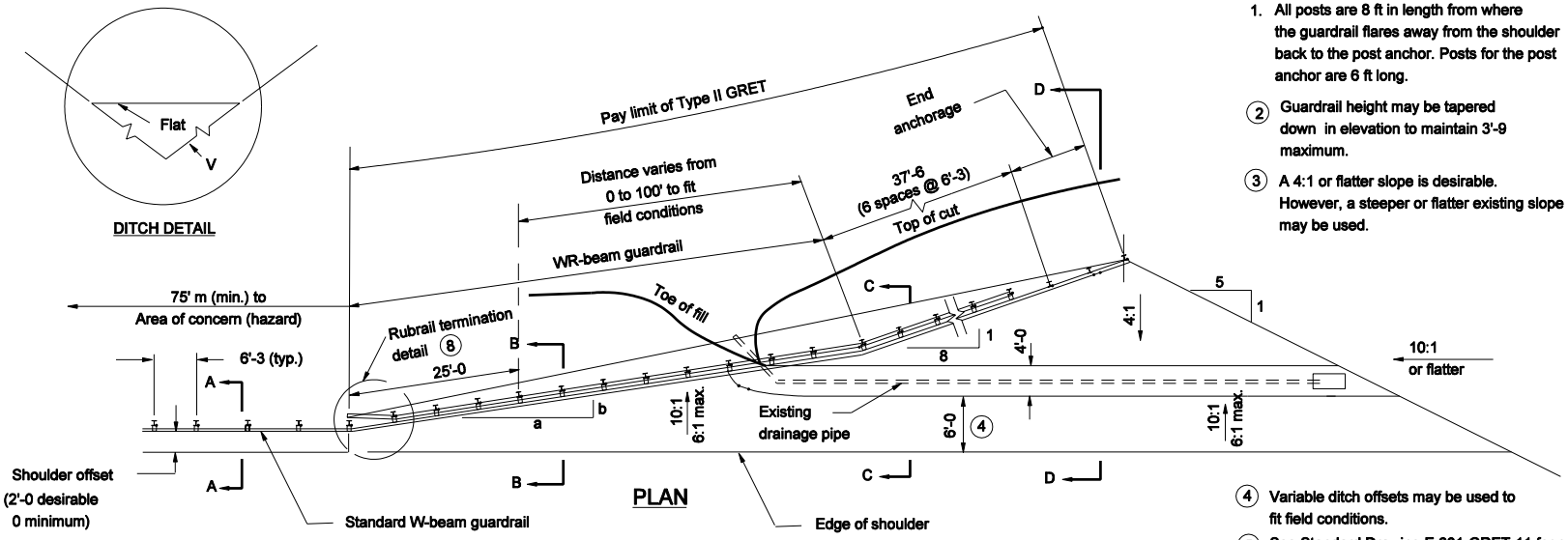
DITCH DETAIL



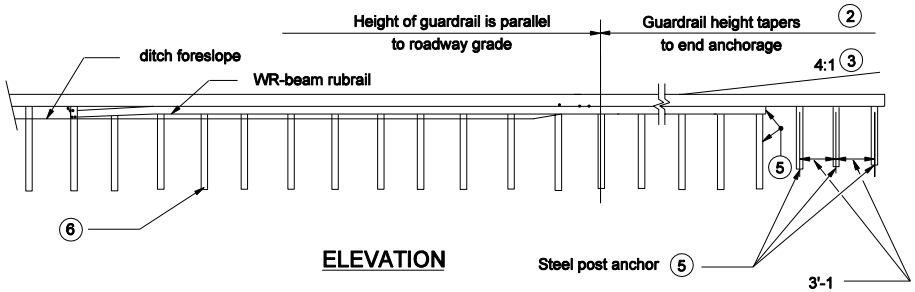
PLAN

NOTES:

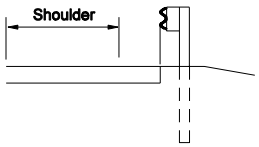
1. All posts are 8 ft in length from where the guardrail flares away from the shoulder back to the post anchor. Posts for the post anchor are 6 ft long.
2. Guardrail height may be tapered down in elevation to maintain 3'-9 maximum.
3. A 4:1 or flatter slope is desirable. However, a steeper or flatter 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 rub rail anchor details and post anchor 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 ditch's hydraulic capacity.

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

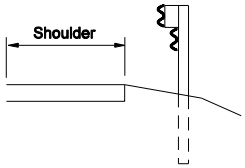
a:b RATIO



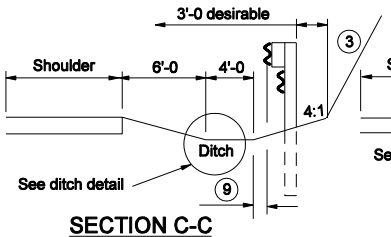
ELEVATION



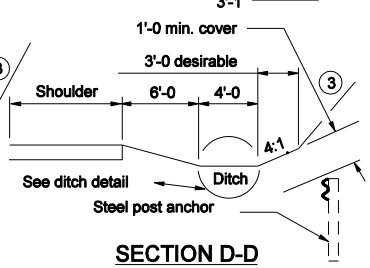
SECTION A-A



SECTION B-B
(WITH RUBRAIL)



SECTION C-C
(WITH RUBRAIL)



SECTION D-D

INDIANA DEPARTMENT OF TRANSPORTATION

GUARDRAIL END TREATMENT TYPE II

SEPTEMBER 2004

STANDARD DRAWING NO. E 601-GRET-10

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 9-01-04
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Smutzer 9-01-04
CHIEF HIGHWAY ENGINEER DATE