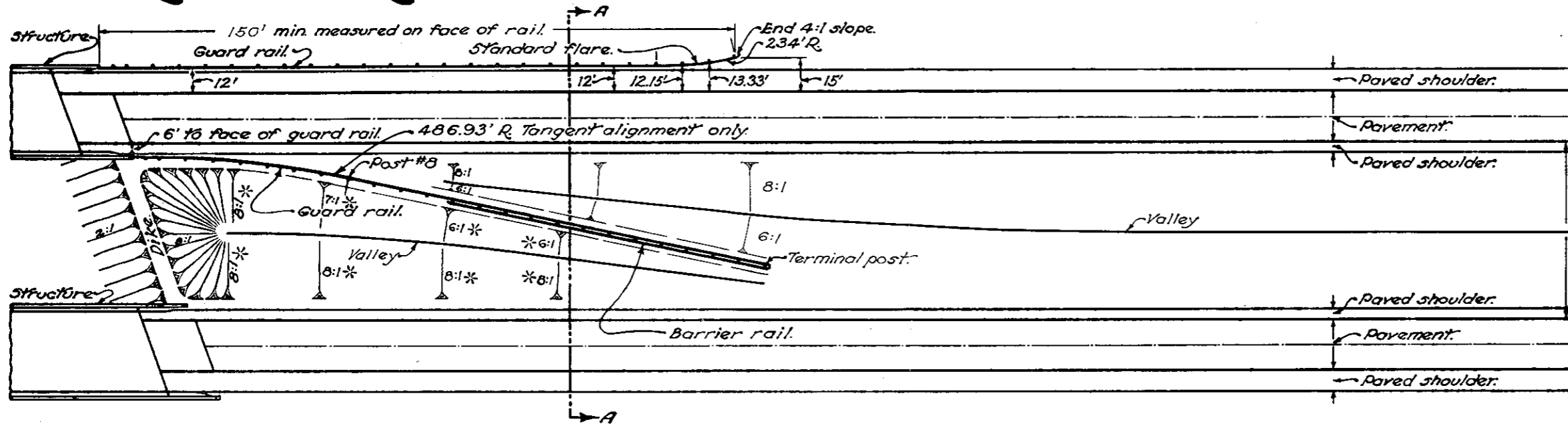
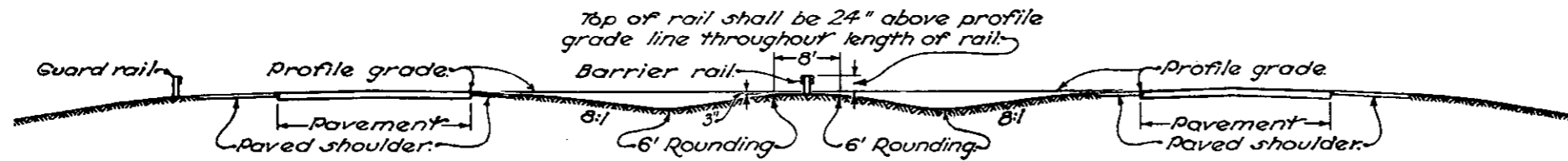


GUARD RAIL PROTECTION

EARTH DEPRESSED TYPE MEDIAN AT TWIN STRUCTURES



PLAN



SECTION A-A

NOTES
GENERAL:— Design details shown hereon shall govern the construction of guard rail at structures unless otherwise shown on the plans.
DIKE shall be provided at each end of each pair of structures.

OFFSETS for guard rail are based on the use of 6 ft. offset to median parapet and 15 ft. width outside shoulder. If other shoulder widths are used, the offsets shall be adjusted accordingly.

For 50' wide medians, back-slopes shall be 4:1 and inslopes shall be 6:1.

For 40' wide medians both back-slopes and inslopes shall be 4:1.

* When median slopes away from the bridge, the transverse slope shall be flattened in order to eliminate the need for a catch basin.

DISTANCE BETWEEN EDGE OF PAVEMENT AND FACE OF GUARD RAIL			
POST	OFFSET	POST	OFFSET
1/2	6.04	13	28.97
1	6.16	14	31.52
2	6.64	15	34.07
3	7.44	16	36.62
4	8.57	17	39.16
5	10.01	18	41.71
6	11.77	19	44.26
7	13.84	20	46.81
8	16.23	21	49.36
9	18.78	22	51.90
10	21.33	23	54.45
11	23.87	24	57.00
12	26.42		

TERMINAL POST OFFSET AND RAIL LENGTH REQUIRED FOR VARIOUS MEDIAN WIDTHS				
MEDIAN WIDTH	TERMINAL POST NO.	OFFSET	LENGTH OF GUARD RAIL	LENGTH OF BARRIER RAIL
84	24	57.00	150.0	150.0
60	17	39.16	112.5	100.0
55	16	36.62	100.0	100.0
50	14	31.52	87.5	87.5
40	11	23.87	75.0	62.5

BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF HIGHWAYS

GUARD RAIL

STANDARD
CONSTRUCTION DRAWING **GR-5B**

APPROVED *R. R. LITE* ENGR. L. & D.

DATE
6-1-65