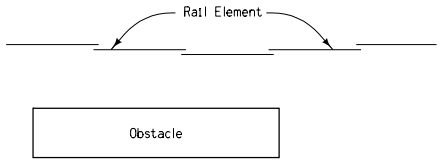


LAPPING PROCEDURE

OFFSETS TO LAST POST OF TERMINAL										
Distance Along Flare, meters (4)	11.430	15.240	19.050	22.860	26.670	30.480	34.290	38.100	41.910	45.720
(X), meters	11.365	15.155	18.940	22.730	26.520	30.305	34.095	37.880	41.670	45.460
(Y), meters	1.220	1.625	2.035	2.440	2.845	3.255	3.660	4.065	4.475	4.880

(1) Refer to Standard Road Plan RE-76 for details of Terminal Section.

(2) The 'H' length extends beyond the obstacle equally in both directions.

(3) For earth shaping at barrier and berm widths, see Standard Road Plan RL-14.

(4) Variable Flare length (VF) + Terminal length (ET) (11.430 m).

GENERAL NOTES:

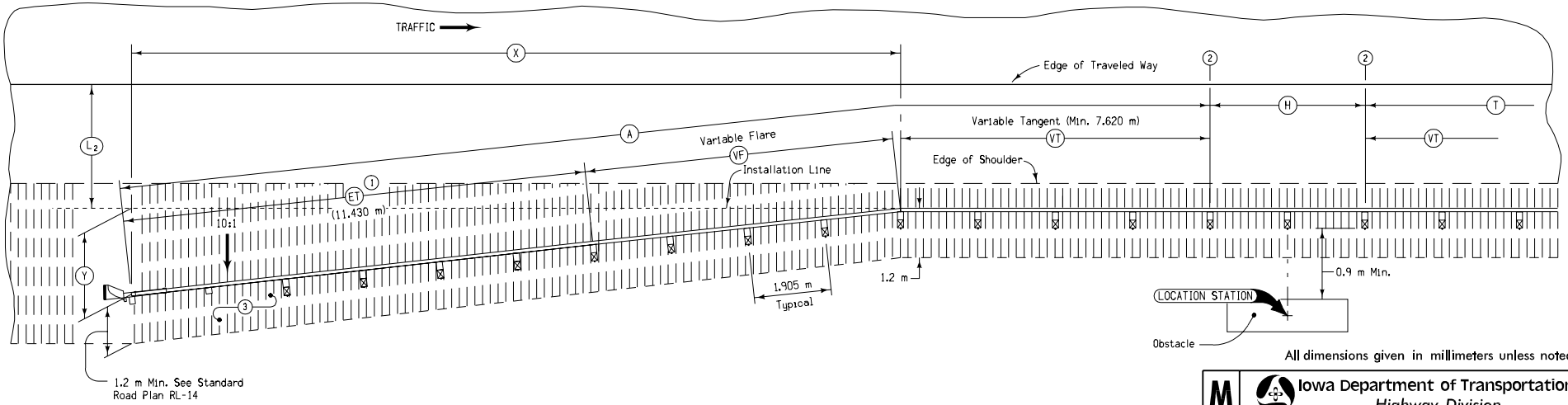
Details indicated hereon are for installation of formed steel beam guardrail for obstacles located adjacent to the traveled way. For information regarding individual installations, refer to Tabulation of Steel Beam Guardrail, other Standard Road Plans and detailed project plans for additional data.

In areas where the guardrail diverges from installation line, a smooth profile shall be established. Grade a 10:1 slope from the edge of the shoulder to behind the guardrail post as detailed on Standard Road Plan RL-14. Refer to project plans for specific requirements.

Guardrail shall be lapped towards the obstacle.

Price bid for contract items shall be considered full compensation for furnishing all materials and constructing guardrail essentially as indicated hereon.

Contract items for guardrail construction are:
Installation of Guardrail
(Bid Item Length = A + H + T)
Beam Guardrail Terminal (RE-76)



All dimensions given in millimeters unless noted.

PLAN VIEW

For additional information, see Standard Road Plans and Tabulations as follows: RE-12A, RE-76, RL-14, 107-23, 108-8B.

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN **RE-54A**

REVISION: Update number of FLEAT posts

REVISION NO. 7

REVISION DATE 04-30-02

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

GUARDRAIL INSTALLATIONS
(SIDE OBSTACLE, TWO-WAY PROTECTION)
1.905 m POST SPACING AT OBSTACLE