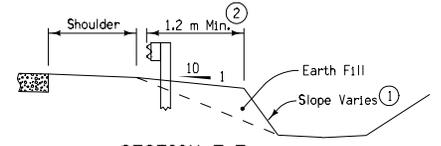
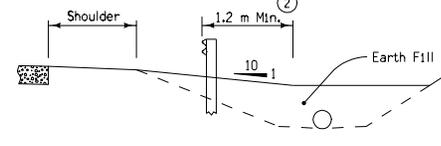


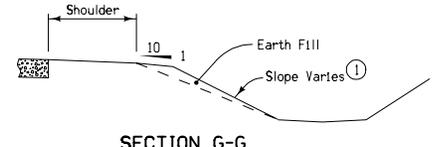
TYPE 3 - PLAN
Guardrail may or may not attach to face of obstacle



SECTION E-E



SECTION F-F



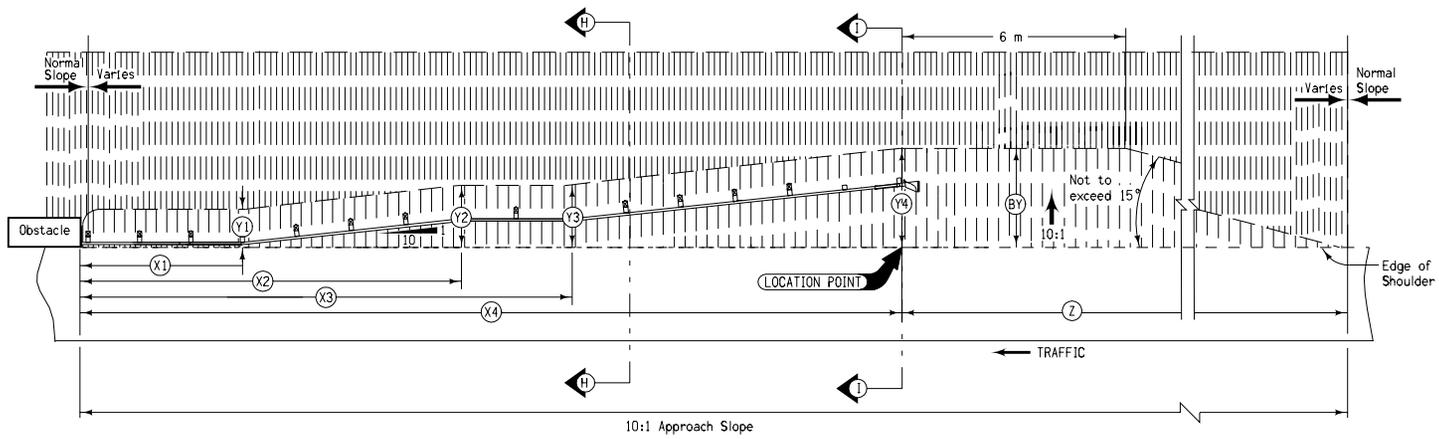
SECTION G-G

Extension unit may be used on either or both sides of intakes. Details are similar when extension unit is on the opposite side.

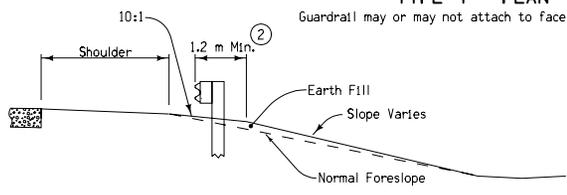
Dimensions shown are for the construction of a 150 millimeter standard curb as a part of pavement. Modifications may be made to conform to other curb shapes.

Contract Item:
Intake Extension Unit, RA-42

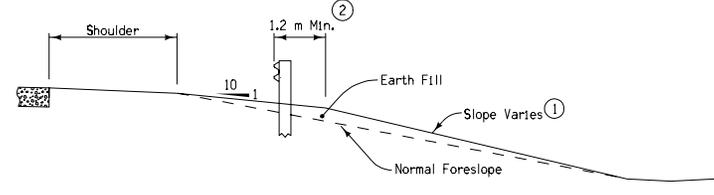
- ① Slope to be as flat as conditions allow. When possible, this slope should be the same as the normal foreslope. In no case shall it be steeper than 3:1.
- ② From face of guardrail to toe of 10:1 slope.
- X Measured from face of obstacle.
- Y Distance from edge of shoulder to toe of 10:1 slope.



TYPE 4 - PLAN
Guardrail may or may not attach to face of obstacle



SECTIONS H-H



SECTIONS I-I

BY m	Z m
2.0	13.5
2.5	15.3
3.0	17.2
3.5	19.1
4.0	20.9
4.5	22.8
5.0	24.7
5.5	26.5
6.0	28.4
6.5	30.3

All dimensions given in millimeters unless noted.

M		Iowa Department of Transportation Highway Division
	STANDARD ROAD PLAN RL-14A(2)	
	REVISION: NEW. Replaces RL-14.	REVISION NO. NEW
	<i>William J. Stein</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 04-19-05
GUARDRAIL GRADING (Sheet 2 of 2)		