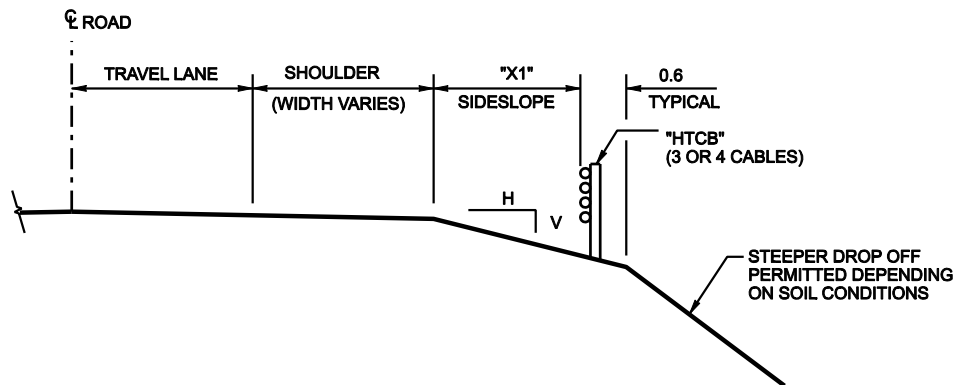


NOTES

1. HIGH TENSION CABLE BARRIERS (HTCB) ARE PROPRIETARY PRODUCTS AND THEREFORE MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S AND/OR VENDOR'S SPECIFICATIONS. CABLE BARRIER PRODUCTS VARY SUBSTANTIALLY IN DETAILS, SPECIFICATION AND METHOD OF INSTALLATION, ETC. DESIGNERS SHALL REVIEW THE FHWA (UNITED STATES FEDERAL HIGHWAY ADMINISTRATION) ACCEPTANCE LETTERS IN CONJUNCTION WITH THE MANUFACTURER /VENDOR'S PRODUCT DETAILS AND SPECIFICATIONS.
2. DESIGNERS SHALL REVIEW THE FHWA ACCEPTANCE LETTERS, AND THE TEST DOCUMENTATION UPON WHICH THE LETTER IS BASED IN DETAIL. THIS INCLUDES THE SUMMARY RESULTS (E.G. TEST DEFLECTION), TEST SITE CONDITIONS (E.G. POST SPACING, SOIL DATA, ETC.), PRODUCT DETAILS, PROVISIONS, ETC. IN WHICH THE PRODUCT WAS TESTED AND ACCEPTED UNDER.
3. FHWA ACCEPTANCE LETTERS ARE NORMALLY BASED ON THE HTCB SYSTEM BEING TESTED ON TANGENT IN A CONTROLLED ENVIRONMENT. THE SLOPE PLACEMENT, POST SPACING AND MAXIMUM SPECIFIED, DEFLECTION ETC, MAY NEED TO BE ADJUSTED DUE TO SITE SPECIFIC CONDITIONS.
4. HTCB SYSTEMS CAN TYPICALLY BE PLACED DOWN THE SIDESLOPES IF THE SLOPES ARE 4H:1V OR FLATTER. THIS SLOPE REFERS TO THE SLOPE ON THE ROADSIDE BETWEEN THE SHOULDER BREAK POINT AND THE BARRIER SYSTEM (DIMENSION "X1"). THE AREA IMMEDIATELY BEHIND THE BARRIER SYSTEM MAY BE CONSTRUCTED AT STEEPER SLOPES DEPENDING ON THE STABILITY OF THE SOIL.
5. HTCB SYSTEMS SHOULD NOT BE PLACED DOWN THE SLOPE ON ROADSIDES STEEPER THAN 4H:1V UNLESS THE SYSTEM HAS BEEN SUCCESSFULLY CRASH TESTED UNDER THESE CONDITIONS (FHWA ACCEPTANCE LETTER), HOWEVER HTCB MAY BE PLACED AT THE EDGE OF PAVEMENT (OR EDGE OF SHOULDER ON UNPAVED ROADS) AS SHOWN IN THE TABLE.
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.



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No.	REVISIONS	BY	DATE

ROADSIDE SIDESLOPE*	MAXIMUM DIMENSION (X1) FROM THE OUTSIDE EDGE OF SHOULDER (m) *
6H:1V OR FLATTER	INFINITY
6H:1V > SIDESLOPES ≥ 4H: 1V	0 TO 1.2
STEEPER THAN 4H:1V	0

*SUBJECT TO GEOTECHNICAL/SOIL CONDITIONS

Approved:	Government of Alberta ■ Transportation
Steve Otto For Executive Director, Technical Standards Branch	
Date: 17 February, 2012	

TYPICAL HIGH TENSION CABLE BARRIER ROADSIDE INSTALLATION

SUPERSEDED

Prepared By: GEC	Checked By: PM	Scale: NTS	Dwg No.: RDG-B2.4
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