



Special Areas Board

SECTION: MSL, ROE, LOC & EASEMENTS
SUBJECT: Pipeline Road Crossing

06-01

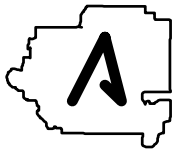
This Policy shall govern standards and Procedures used in the construction, maintenance, and operation of pipeline and/or integral parts thereof, or extensions thereto within the Special Areas. Provincial regulations must be followed at all times.

Definitions

- 1.1 Board means the Special Areas Board
- 1.2 Road crossing means any pipe installed across a road to convey gas, oil, water, sewage, etc.
- 1.3 Secondary road means all numbered roads other than primary provincial highways.
- 1.4 Oiled or light surface roads means roads which have a light asphalt or oiled surface.
- 1.5 Local roads means all roads that are regularly maintained other than numbered roads and highways and light surfaced or oiled roads.
- 1.6 Unimproved road allowances means road allowances other than those listed above.
- 1.7 Punched/bored means a procedure used to establish passageway through a road bed using either an auger or hydraulic or pneumatic type of equipment, eliminating the necessity of open cut/trenching.
- 1.8 Open cut/trenching means open trenching a passageway through a road surface or other surface, and down to the required depth as opposed to punched/bored.
- 1.9 Plough (plow) means a pull type or self-propelled machine which is used in planting or burying of plastic or aluminum pipe in the ground in a continuous one-step operation.
- 1.10 Approved or otherwise approved means written approval by board and/or authorized personnel of the Special Areas.
- 1.11 Pipeline means any piping system, as set forth in the pipeline act, chapter p8, RSA 1980, and amendments thereto, used in the transmission, gathering or distribution of gas, oil water, sewage, minerals, etc.
- 1.12 Owner means the owner or operator of a pipeline or integral parts thereof.

Pipelines

- 2.1 All pipelines paralleling road allowances, shall not at any point, be nearer than 100 ft. (30.5 meters) of the road allowance right of way unless otherwise approved.



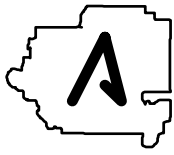
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- 2.2 Where a pipeline crosses a road, no bends shall be permitted in that portion of the pipeline within the road allowance right of way or within 50 feet (15 meters) of either side of the road allowance right of way without being approved.
- 2.3 The Board shall be supplied with a detailed map, plans and drawings for approval of all proposed pipelines and/or extensions or revisions thereto, prior to commencement of any construction. The contractor shall not proceed until the plans have been duly approved by the Board.
- 2.4 The Board shall not be liable for any damage, injury or other costs or inconvenience arising from the construction, maintenance or operation of any pipeline or integral part thereof within the Special Areas.
- 2.5 All pipeline road crossings shall be restored and maintained to their original condition, or to the satisfaction of the Board or their authorized personnel.

Road Crossings

- 3.1 All roads shall be punched from shoulder area to shoulder area unless otherwise approved. Punching shall take place in the ditch area no less than 6 feet (1.8 meters) from the road shoulder.
- 3.2 All roads approved for open cut/trenching, shall be well tamped throughout the backfilling operation. Adequate traffic accommodation and appropriate signage, barricades, etc., shall be established. The cut shall be backfilled with compacted granular material (sand or gravel). The owner of the pipeline shall assume responsibility with regards to trench settlement for one year following completion.
- 3.3 Maintenance of all road crossings shall be at the expense and the responsibility of the owner of the pipeline.
- 3.4 The depth of cover on all road crossings other than unimproved roads shall be a minimum of 54 inches (135 centimeters).
- 3.5 The depth of cover on all unimproved road crossings shall be a minimum of 72 inches (180 centimeters) except when the pipe is ploughed in the depth of cover may be a minimum of 60 inches (152 centimeters) if approved by the Board.
- 3.6 Pipeline road crossings shall not be located on a hill or high ground unless otherwise approved by the Board.
- 3.7 All road crossings of secondary, oiled or light surfaced and local roads, shall be steel or aluminum or equivalent as set down in the latest edition of related CSA codes or the Energy Resources Conservation Board of Alberta. All types of crossings shall extend throughout the entire width of the road allowance and to 15 meters beyond.
- 3.8 All unimproved road crossings may be crossed using the same type and thickness of pipe as used off the road, providing the acceptable standard of pipe be installed at the expense of the pipeline owner, should the road be improved to a higher standard.



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- 3.9 All road crossings shall be at 90 degrees to the road allowance unless extreme mitigating circumstances require otherwise. The applicant may request the Board to relax the crossing angle by no more than 20 degrees under these circumstances. The request must be reasonably substantiated to the Board's satisfaction.
- 3.10 All reasonable precautions shall be undertaken during construction, with signing and flagmen as required, to protect and safeguard the lives and property of the traveling public and adjacent property owners. At no time will the road be closed to traffic. Where traffic is to be detoured around ditching or other operations a detour shall be provided and adequately maintained. Ample and suitable signs shall be erected to direct traffic throughout the detour.
- 3.11 Where authorization has been given for ditch crossing, it is the responsibility of the pipeline owner to ensure no added hazard exists to traffic during construction and that on-going maintenance is not a problem.

General

- 4.1 All current government regulations must be adhered to in addition to this policy as set forth by the Special Areas Board

Approved by Special Areas Board
January 4, 1984 by Motion 1-8-84
3.5 was amended September, 2001

Jay J. Slemp, Chairman
Special Areas Board