

County of Lethbridge Policy Handbook

EFFECTIVE:	May 11, 1983	SECTION:	300 NO. 321 Pge 1 of 3
APPROVED BY:	County Council	SUBJECT:	Buried Electrical Line Installation and Rural
REVISED DATE:	March 24, 2005		Crossing Regulations

I. BURIED ELECTRICAL LINE SETBACK

- 1. Electrical line buried parallel to local roads shall be eighteen (18) metres from the road allowance right-of-way.
- 2. All buried electrical line must conform to the regulations specified by the Electrical Inspector in conjunction with the regulations of the Electrical Protection Act.

II. BURIED ELECTRICAL LINE ROAD CROSSINGS

1. Local Roads

- a) Electric lines crossing local roads are required to be installed 2.5 metres below the crown of the road surface. A minimum depth of 1.1 metres below the borrow pit grade level must be maintained for all electric lines crossing County roadways. In circumstances where 2.5 metres below the crown of the road does not provide the required depth of cover, the 1.1 metres depth below the borrow pit grade must be used.
- b) Electric lines crossing local roads must extend a distance of 13 metres on either side from the centre line of the existing road right of way.
- c) No horizontal or vertical bends are permitted in the electric line road crossing and extension.
- d) All electric lines crossing County roadways must be installed by using the push-pipe or boring method unless otherwise authorized.
- e) Rigid PVC pipe must be used under local road crossing to meet CSA Standards.
- f) All electric line road crossing shall be installed as near as ninety degrees to the road allowance as possible and marked with warning signs on each side of the right of way.



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III. <u>CONDITIONAL REQUIREMENTS</u>

- 1. Local Roads
 - a) In specific cases, electrical plans submitted to the County of Lethbridge for approval will have to be reviewed on an individual basis. Notation will be made on the installation plans outlining the special road crossing requirements as they pertain to each particular crossing site.
 - b) The backfilling of all open cuts, if such open cuts are authorized, shall be well tamped throughout such backfilling operations and 8 cubic metres of crushed gravel spread over the affected area.
 - c) The road and the road allowance must be restored to at least its original condition and maintained in this condition by the Electric Line Owner for a period of one year after the installation of the road crossing, subject to final approval of the Director of Municipal Services.
 - d) The County shall be notified at the time of the road crossings occurring and if a road closure is going to be in effect.
 - e) The Electric Line Owner shall accept the responsibility for any accidents and/or injuries due to or as a result of the construction taking place.
 - f) An Electrical Permit must be obtained from the Province of Alberta under the Electrical Protection Branch.
 - g) All electrical work must be done by a licensed electrician.

IV. SAFETY REQUIREMENTS

1. Where ditching or other operations might interrupt traffic, barricades and warning signs shall be erected at the crossing and at the entrance to the portion of the road affected.



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- 2. Open ditches that cross the travelled portion of a road shall not be left unattended unless a detour has been provided.
- 3. Where traffic is to be detoured around ditching or other operations, signs shall be erected to direct traffic throughout the detour.
- 4. During the hours of darkness or when visibility is less than 100 metres, all warning and detour signs and excavations shall be illuminated by flares.
- 5. Permanent signs of buried cable to be installed on either side of the road crossing as well as owners telephone number.

Approvals and inspection fees as per the County of Lethbridge Schedule of Fees By-Law. A refundable charge of \$100.00 will be reimbursed to the applicant, once inspection is conducted.

SECTION VIEW

