



Access approach Construction application

Engineering
101-1101 5 St., Nisku, AB T9E 2X3
p: 780-979-6185 f: 780-955-7814
engineering@leduc-county.com

Date _____

Office use only

Approach #		SD/D #		Security deposit	\$	Date deposit received	
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Applicant information

Applicant name		Phone	
Mailing address		Fax	
Town/city		Postal code	

Land location description

¼		Section		Township		Range		West of		Roll #	
Lot		Block		Plan		Municipal address					

Approach information

<input type="checkbox"/> New	<input type="checkbox"/> Relocating	<input type="checkbox"/> Temporary, proposed time frame _____ weeks
<input type="checkbox"/> Additional	<input type="checkbox"/> Improving existing	<input type="checkbox"/> Inspect existing

Purpose of approach:

Please submit a proposed site drawing (hand drawn or google map is fine)
Indicate on that copy as much information as possible:

<input type="checkbox"/> Placement of driveway	<input type="checkbox"/> Location of property line	<input type="checkbox"/> Location of sewer inspection port
<input type="checkbox"/> Location of road	<input type="checkbox"/> Location of water valve	<input type="checkbox"/> Distance of driveway to intersection
<input type="checkbox"/> Distance of driveway to hydrants, street lights, trees, pedestals (1.5 m clearance)		

The construction of this access approach shall be undertaken in accordance with the Development Guidelines set out by Leduc County, Engineering. In addition, all costs associated with the construction of the proposed access approach are to be borne by the applicant. Construction is to be undertaken by:

Name of contractor		Commencement date	
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Signature of applicant

Name of registered owner (if different from applicant)

Signature of registered owner

Office use only

Authorization to construct _____ Date of approval _____ Print name Signature	Notes:
Approved final construction _____ Date of approval _____ Print name Signature	

1. APPLICATION

- 1.1 These are the minimum standards and requirements for developing / constructing an access approach to service a parcel within Leduc County.
- 1.2 For any new approach (permanent or temporary), upgrading of an existing access approach, or re-location of an existing access approach within the public road right-of-way, an application form must be obtained from, completed, and delivered to:

Leduc County, Engineering
Suite 101, 1101 5th Street
Nisku, AB T9E 2X3

Email: PWE@Leduc-County.com
Phone: (780) 955-6185
Fax: (780) 955-7814

- 1.3 All applications will require a drawing showing the proposed new location or the existing access approach to be inspected. A hand sketch is acceptable.
- 1.4 All access approach installations require written authorization from Leduc County Engineering prior to any construction. This authorization will expire one year from the date issued.
- 1.5 Obtaining a Development Permit does not imply, nor ensure, approval of an application for an access approach.

2. INSPECTION

- 2.1 Engineering will inspect and approve proposed location. **Please stake/flag the approach before inspection.** Applicant will be advised of requirements for construction. Following construction, applicants will be required to advise Engineering to arrange a final inspection and Planning and Development will be advised when that inspection has been completed.

NOTE: Weather and site conditions may affect approach inspections and turnaround times

3. ACCESS APPROACH LOCATION

- 3.1 For **ALL** applications, an access approach will only be permitted where it would be:
 - 3.1.1 More than 30 m (100 ft) from an existing approach on the same side of the road right-of-way;
 - 3.1.2 More than 30 m (100 ft) from any bridge;
 - 3.1.3 More than 30 m (100 ft) from any at-grade railway crossing;
 - 3.1.4 More than 30 m (100 ft) from the intersection of two municipal roadways;
 - 3.1.5 More than 6 m (20 ft) from a utility pole;
 - 3.1.6 More than 6 m (20 ft) from a fire hydrant;
 - 3.1.7 More than 6 m (20ft) from the property line.

NOTE: Variances may be considered for development within an Industrial Park or a Residential Subdivision

- 3.2 Parcels of land less than 10 ac (4 ha) that fall within the following developing districts:
 - Agriculture
 - Agriculture / Country Residential
 - Country Residential / Mobile Homes
 - Public Institutional
 - Hamlet
 - Recreation / Open Space
 - Wildlife Habitat

- Lakeshore

will be limited to one (1) access approach, unless written authorization to have additional access approaches is granted by Leduc County Engineering.

Parcels of land greater than 10 ac (4 ha) within the previously mentioned developing districts will be limited to two (2) access approaches, unless written authorization to have additional access approaches is granted by Leduc County Engineering.

3.3 Parcels of land within the following Developing Districts:

- General Industrial
- Restricted Industrial
- Direct Control / Industrial

will be limited to two (2) access approaches, unless written authorization to have additional access approaches is granted by Leduc County Engineering.

4. SIGHT DISTANCE CRITERIA



Speed Limit (km/h)	Stopping Sight Distance (m)
50	85
60	110
70	140
80	170
90	200
100	235

NOTE: The applicable sight distance is required for both directions from the approach.

5. CONSTRUCTION

5.1 An access approach servicing a single lot or parcel of land within the following developing districts:

- Agriculture
- Agriculture / Country Residential
- Country Residential / Mobile Homes
- Public Institutional
- Hamlet
- Recreation / Open Space
- Wildlife Habitat
- Lakeshore

shall have a minimum width of 8.0 m (26 ft) and a maximum width of 12.0 m (39 ft). A new corrugated metal culvert, minimum 500 mm in diameter **or** as determined by Leduc County's inspection, is required for an approach that requires drainage. This will be at the discretion of the Leduc County Engineering representative.

5.2 An access approach servicing a single lot or parcel of land within the following developing districts:

- General Industrial
- Restricted Industrial
- Direct Control / Industrial

shall have a minimum width of 8.0 m (26 ft) and a maximum width of 15.0 m (49 ft). A new corrugated metal culvert, minimum 600 mm in diameter **or** as determined by Leduc County's inspection, is required for an approach that requires drainage. This will be at the discretion of the Leduc County Engineering representative.

- 5.3 **ALL** access approaches must be constructed perpendicular (90° angle) to the roadway.
- 5.4 Access approaches must be constructed to the same engineering standard as the adjoining roadway and must have a minimum of 3:1 side slopes.
- 5.5 New approaches off a graveled road must be constructed using clay, compacted to 97% minimum Standard Proctor Density, and overlaid with a minimum 100 mm (4 inches), of 20 mm to 25 mm diameter gravel.
- 5.6 New approaches off a paved roadway, if approved, must be built to the above standard, and be paved with a minimum of 100 mm of asphalt, from road shoulder to property line, within one year of completion. A deposit is required.
- 5.7 The culvert must be countersunk, capped with clay, and compacted to 97% minimum Standard Proctor Density.
- 5.8 The length of the culvert is dependent on the depth of the ditch and width of the approach. Considering the 3:1 side slope (3 metres of run for every 1 metre of rise), the culvert length is calculated as per the following example:
 - Ditch depth = 0.6 metres
 - Approach width = 8.0 metres with 3:1 side slopes

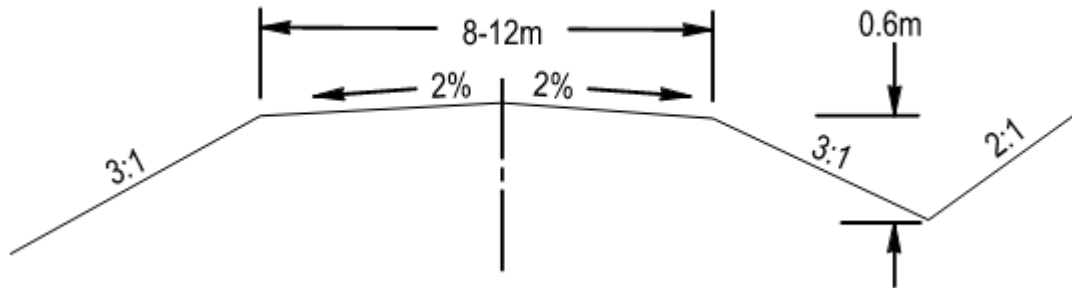
Culvert length = 8.0 metres + (0.6 metres of depth) x (3 metres of run x 2 for each end) = **11.6 metres**

SEE DWG'S 1 AND 2 IN SECTION 7 FOR FURTHER CONSTRUCTION DETAILS

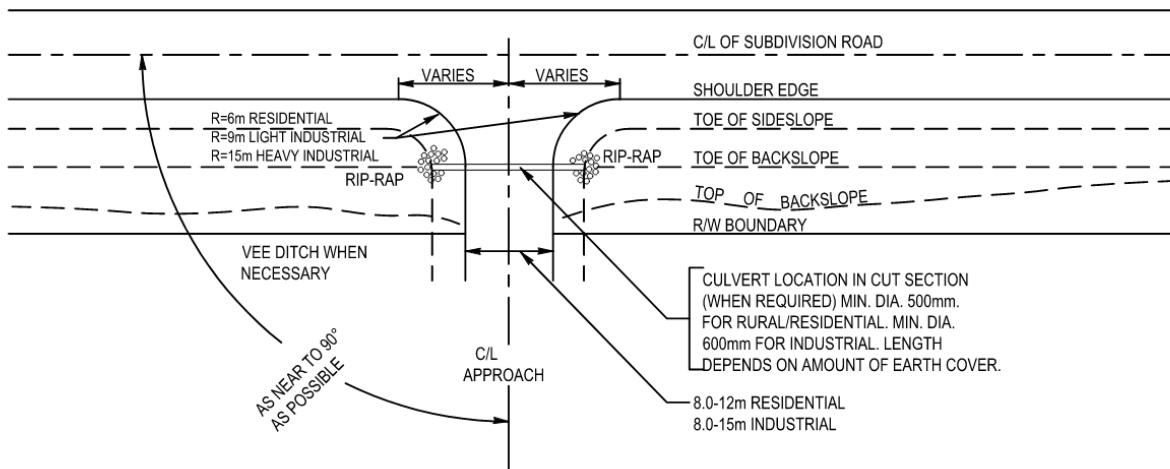
6. OTHER

- 6.1 All costs associated with constructing a new access approach are the responsibility of the landowner.
- 6.2 For any new approach being installed off a paved roadway a deposit is required prior to authorization being given. Each residential approach will require a \$5000.00 deposit, and industrial/commercial approaches will require a \$10,000.00 deposit.
- 6.3 Subdivided parcels, within a subdivision having an internal road system, shall have access approaches from the internal road system only.
- 6.4 If an applicant wishes to construct a shared access approach, servicing two parcels of land, they will be required to have a written agreement between the two parties, registered on each title. Leduc County will also require a copy of this agreement for their records.

7. DRAWINGS



DWG #1 – APPROACH CROSS SECTION



DWG #2 – APPROACH PLAN