

**Summer Village of Norris Beach**  
**INSTALLATION OF RESIDENTIAL DRIVEWAYS & CULVERTS**  
**BYLAW NO. 131**

**A BYLAW REGARDING INSTALLATION OF RESIDENTIAL DRIVEWAYS AND CULVERTS  
WITHIN THE SUMMER VILLAGE OF NORRIS BEACH, IN THE PROVINCE OF ALBERTA.**

WHEREAS Section 7 of the Municipal Government Act, R.S.A. 2000, c. M-26 as amended, and any amendment or substitutions thereof, provides that a Municipal Council may pass bylaws to provide for the safety, health and welfare of people and the protection of people and property;

AND WHEREAS the *Municipal Government Act* (the "MGA") Division 2, Section 18 (1) allows the municipality to control, direct and manage all roads within the municipality.

AND WHEREAS the *Municipal Government Act* (the "MGA"), Section 61 allows the municipality to grant rights with respect to its municipal property.

AND WHEREAS the Council of the Summer Village of Norris Beach deems it expedient and in the public's interest to pass a bylaw to regulate the construction of driveways and culverts to ensure the orderly flow of water drainage. This includes specifications for culverts, and the requirement for a development permit for modifications to be done on the ditch within the Summer Village of Norris Beach;

NOW THEREFORE, the Council of the Summer Village of Norris Beach in the province of Alberta, duly assembled, hereby enacts as follows:

**Section 1 - TITLE**

This Bylaw shall be cited as the "Driveways & Culverts Bylaw"

**Section 2 - DEFINITIONS**

In this Bylaw, including this section, unless the context otherwise requires:

**"Council"** means the Municipal Council of the Summer Village of Norris Beach

**"Culvert"** means new galvanized corrugated steel pipe(s), complying with CSA Standard G401, and designed for culvert use, to act as drainage conduits to conduct the flow of surface drainage.

**"Ditch"** means a long narrow excavation adjacent to a roadway for the purpose of assisting the orderly flow of rainwater or snow melt with minimal damage or adverse erosion effects to the developed road or private property.

“**Driveway**” means vehicle access to or from private property by crossing boulevards, municipal property and/or ditches and is synonymous with the term “**approach**”. A driveway consists of two portions: (i) the property access portion connects the travelled part of the Summer Village road to the property line, and (ii) the residential portion starts at the property line and continues onto the lot.

“**Residential Culvert**” means culvert placed under a driveway leading to a property in the Summer Village used primarily for residential purposes.

“**Rip-Rap**” means rock ranging in size from 150mm to 350mm.

“**Summer Village**” or “**Village**” means the entity of The Summer Village of Norris Beach.

### **Section 3 – RATIONALE**

- a) This Bylaw is intended to give requirements on the construction of residential driveways (approaches), while adhering to the original intention and integrity of the ditch which is for the purpose of assisting the orderly flow of rainwater or snow melt. Driveways can be counter-productive to proper drainage management even with culverts installed. Therefore the limited length of residential culverts and proper diameter of same, with erosion protection (rip-rap), reduce the risk of plugging and negatively impacting the drainage management system.
- b) This Bylaw is intended to provide further requirements regarding ditches. Ditches which have been filled in, even with the installation of culverts, effectively removes the functionality of the ditch and may create drainage problems for neighbouring properties
- c) This Bylaw is intended to provide for the control of orderly development within the boundaries of the Summer Village for maintaining and improving the infrastructure. This includes guidance on the installation of residential culverts for the purpose of proper drainage and safety.

### **Section 4 - SPECIFICATIONS**

All residential driveways shall be installed in accordance with the requirements of the Summer Village of Norris Beach Land Use Bylaw #73, Section 8.2 and Schedule B, Section 3 and any amendment or substitutions thereof.

All residential culverts shall be installed in accordance with the requirements of the Summer Village of Norris Beach Land Use Bylaw #73, Schedule B, Section 3, and any amendment or substitutions thereof.

Beginning on the date of approval of this Bylaw, all new residential driveways and culverts to be installed, and modifications of ditches shall meet the following criteria:

- a) The minimum culvert diameter shall be 300mm in accordance with the Land Use Bylaw, or equal to the existing upstream culvert, whichever is greater.
- b) Steel culvert tubular material in accordance with the referenced CSA standard shall have a minimum wall thickness of 1.6mm or as required by the loading criteria.
- c) The minimum width of a residential driveway shall be 5 metres.
- d) The maximum width of a residential driveway shall be 8 metres.
- e) All culverts shall be installed with a minimum depth of cover of 300 mm or one-half the culverts diameter, whichever is greater. In circumstances where this is not possible, a reasonable amount of cover material will be required depending on the depth of the ditch and at the discretion of the Summer Village's Development Officer.
- f) All culverts shall be installed with beveled end-sections with the invert extended to the toe of the side slope. The edge of the beveled end shall not be rough cut and thereby hazardous.
- g) All driveways must be constructed perpendicular (90 degree angle) to the roadway.
- h) All culverts shall have rip-rap placed around the inlet and outlet sides with the rip-rap extending approximately one metre past the end of the culvert. For erosion protection, all ditches and areas around the ends of culverts shall be grassed.
- i) Couplings, fittings and hardware shall match the culvert pipe.
- j) All culverts shall be constructed using new galvanized pipe or of suitable materials for the use under a driveway. All pipe, fitting and hardware shall be handled in a manner to prevent distortion or bending and damage to metal or galvanized coating.
- k) All culvert shall be laid so that the horizontal seams fall to the sides of the culverts.
- l) All culverts must be installed in a proper manner without any modifications to the ditch profile unless specified in the development permit application.
- m) The property access segment of the driveway shall be surfaced with well-compacted gravel, crushed rock, or asphalt (concrete, paving stones, or any other permanent or semi-permanent surfacing materials are not allowed). The residential segment of the driveway may be surfaced with any suitable material approved on the Development Permit (concrete, pavers, asphalt, and gravel are all acceptable).
- n) A driveway attached to a paved roadway need not be hard surfaced on any portion but, as a minimum, must be covered with well compacted gravel that does not migrate to the pavement.
- o) If the property owner chooses to hard surface a driveway, that is attached to a paved roadway, with pavement, concrete, tiles or other hard and permanent surfaces, he/she should be aware that the portion installed on municipal property is at his/her own risk and may, at the discretion of the Summer Village's Development Officer, require the completion of an encroachment agreement.
- p) The property owner shall consider the need of an expansion or separation section between the hard surfaced driveway and the municipal roadway.
- q) Each lot is to have a private approach, i.e. two adjoining lots shall not have connected Driveways or Culverts.
- r) Other than Driveways, no other crossings may be constructed across Drainage Ditches, i.e. Driveways are to be used as pedestrian access to lots.

All exceptions to the above shall be approved by the Summer Village's Development Officer.

**Section 5 - EXCLUSIONS**

- a) A development permit is required for all driveway and culvert related work.
- b) There are specific restrictions for those driveways connecting to Marine Drive as per Bylaw #132 – Control of Marine Drive Access and any subsequent bylaw replacing Bylaw # 132.

**Section 6 – RETROACTIVITY**

This Bylaw is not retroactive but significant driveway or culvert repairs or modifications shall meet this Bylaw.

Any modifications to ditches made prior to the date of this Bylaw which infilled the ditch without provision for a culvert installation or where the normal flow of water is impeded, shall be rectified in accordance with this Bylaw to the satisfaction of the Summer Village.

**Section 7 – SEVERABILITY**

Should any section or part of this Bylaw be found to have been improperly enacted, and become invalid, void, illegal or otherwise not enforceable, then such section or part shall be regarded as being severable from the rest of this Bylaw and the Bylaw remaining after such severance shall be effective and enforceable as if the section found to be improperly enacted had not been included as part of this Bylaw.

**Section 8 - REPEAL OF EXISTING BYLAW**

Any previous Driveway & Culvert Bylaws, and amendments thereto, are hereby repealed.

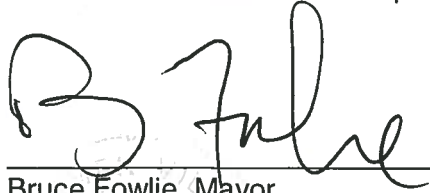
**Section 9 - EFFECTIVE DATE**

This Bylaw shall take effect on the date of the third and final reading.

Read the first time this 6<sup>th</sup> day of April, 2013.

Read a second time this 18<sup>th</sup> day of May, 2013.

Read a third time and passed this 8<sup>th</sup> day of June, 2013.



Bruce Fowlie, Mayor  
Summer Village of Norris Beach



Sylvia Roy, Chief Administrative Officer  
Summer Village of Norris Beach