

INFORMATION FOR ADJACENT PROPERTY LANDOWNERS

MAY 2024

OUR MISSION

TO PROTECT THE PEOPLE, PROPERTY, INFRASTRUCTURE, AND ENVIRONMENT OF THE DRUMHELLER VALLEY

PROTECTION & INTEGRITY

It is important to ensure the protection and integrity of the flood protection berm adjacent to your property as outlined in the Land Use Bylaw and in this document. Damaging and/or disturbing the flood barrier on your property will impact the performance of the barrier and the overall flood protection level for your community, including protection against seepage and increase the risk of a possible piping failure.

The Town conducts regular inspections, maintenance, and site visits to ensure continued effective function of the berm, and to confirm property owner's compliance. Should breaches or damage occur to the flood barrier adjacent to your property, the Town may need to take action to ensure the integrity of the barrier is maintained. Please contact 403-823-4878, or visit floodreadiness.drumheller.ca for more information.

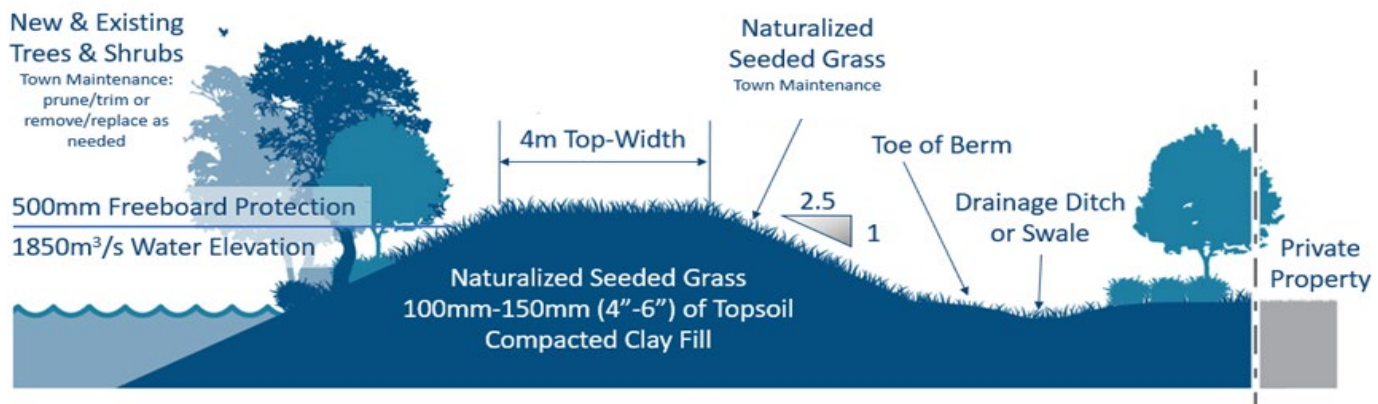
We encourage you to report any non-emergency unauthorized activity or any animal holes, cracks or deficiencies using the Town app SeeClickFix, which can be found at <https://ow.ly/PCMb50QgB0I>

DRUMHELLER BERM INFORMATION

The Drumheller Flood Berms are located on public land along the riverbank of the Red Deer River, Michichi Creek and Rosebud River. Berms have been constructed by the Town of Drumheller through Federal, Provincial and Municipal funding and play an important role in the Town's flood mitigation program protecting the people, property, infrastructure and environment of the Valley. To access the Province of Alberta's latest mapping study, visit floods.alberta.ca.

The Town will regularly inspect and maintain the Drumheller Flood Berms to ensure they can mitigate to a 1:100 year return period flood based on the regulatory flow rate for the Red Deer River set by the Province in 2021. To ensure the integrity of the Drumheller Flood Berms is maintained, the Town of Drumheller has prepared the following information outlining prohibited actions and allowable modifications for property owners with the Drumheller Flood Berm adjacent to their property.

LONG-TERM BERM DESIGN INTENT



DRAINAGE DITCHES

In some areas, a drainage ditch has been constructed to collect rainwater and snowmelt runoff and divert to the cross drain pipes to flow to the river. In times of high river flow, you may see water standing in the drainage ditch for a short time. This is normal and will drain to the river once river flow has receded.

PROHIBITED ACTIONS

To ensure the effectiveness of the Drumheller Flood Berms, disturbing or damaging the berm is prohibited. The following actions are prohibited:

Berm and drainage swale area

- X** Make changes to the grade (also known as the slope, incline, gradient, pitch, or rise) in the berm or swale area.
- X** Storage of anything in the area that would affect the flood barrier (including vehicles, sheds, building materials, hazardous materials).
- X** Installation of pipes and hoses through or across the berm.
- X** Pumping water across the berm from the river: Unless covered by a specific agreement with the Town, use of river water for irrigation is governed by the Provincial Water Act and regulations. In areas with municipal water supply, the Province does not allow for water to be pumped from the river for irrigation purposes.
- X** Blocking maintenance and emergency response vehicle access to the berm crest.
- X** Propping cross drains open; this can lead to excess water on your property and in your community.

Floodway/river bank area

- X** Alter the grade.
- X** Build or place rock structures, docks, fences, decks or other structures.
- X** Moving or alteration of constructed bank protection works.
- X** Any modifications to vegetation (ex. no cutting down plant material).

Protected flood fringe area (your lot)

- X** New development within 7.5m from the toe of base of the berm and swale.
- X** Constructing any new electrical or mechanical items below the flood construction level. The Drumheller Land Use Bylaw can be found at <https://www.drumheller.ca/public/download/files/226259>

During the Contractor Maintenance Period (2 years from completion of construction)

- X** Watering of new trees and/or shrubs (unless on private property)
- X** Mowing of grass
- X** Mulching
- X** Using land for personal structures. Placing personal items within the new berm footprint will interfere with Contractor Maintenance.

ALLOWABLE ACTIONS

Foot traffic

- ✓ Foot traffic is acceptable on the berm; however, only authorized vehicles may gain access for maintenance and flood response. Please adhere to signs and keep off grass where new seedlings are taking root. Limit foot traffic to all newly seeded areas during the Contractor Maintenance Period of two years.

Planting

- ✓ Trees can be planted 5m away from the berm on private property and shrubs can be planted 3m from the berm on private property.
The seeded grass is a native grass mix and is not bluegrass sod.
The Town will be mowing the flood protection infrastructure twice a year.

FOR MORE INFORMATION

Please visit the Flood Readiness website: floodreadiness.drumheller.ca

CONTACT US

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