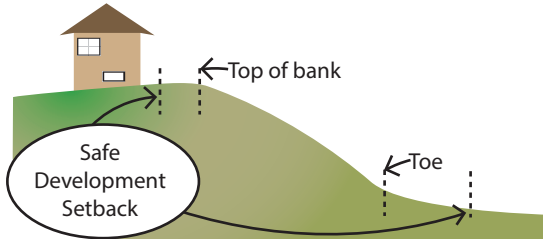


# SLOPES 101



Slopes and their **stability can change** over time. Some variables that can change a slope's stability include:

*Increased or Decreased Precipitation*



*Loss of Vegetation*



*Change in drainage patterns*



*River / Creek Floods*



*Disruption of the toe of slope*



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## Hazardous Slopes & Landslide Risk

Good Practice Slope Guidelines

Typical urban landslide viewed in the direction of movement (orange arrow).



For more information visit us online at  
[www.medicinehat.ca](http://www.medicinehat.ca)

# SLOPE MANAGEMENT GUIDELINES

**As a property owner, you can contribute to the stability of your slope.**

Direct drainage from your roof and driveway away from the slope, **OR** capture the runoff and pipe it to drain at the toe of the slope.

Locate yard waste and other material away from the top of bank to maintain the health of the natural, stabilizing vegetation.

Water your lawn for shorter time periods for shorter time periods with more frequent cycles.

eg) Water for 5 minutes in 4 cycles, separated with a half hour break between, instead of 1 cycle of 20 minutes.

Maintain natural vegetation on the coulee slope.

\*The City of Medicine Hat has a **development slope setback assessment that must be adhered to.**

Contact the City or a professional geotechnical engineer if you have questions.

Locate pools, hot tubs, ponds, etc away from the top of the bank.

Ensure maintenance of pools, hot tubs, ponds, and other water sources, including irrigation pipes, drains, etc to ensure they remain free of leaks.

Consult with the City prior to altering your yard with retaining walls.

Ensure that existing retaining walls remain in good repair.

Monitor trees down-slope for tilting or bending

Conduct regular inspections of your property.

Utilize natural, drought tolerant landscaping to minimize the amount of watering required.

Cooperate with other stakeholders in slope management practices.

