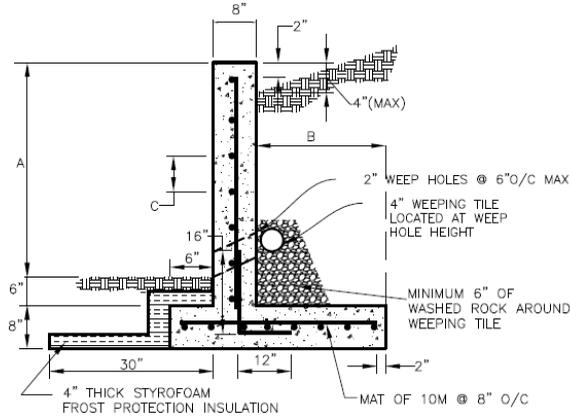


CONSTRUCTION DETAILS

Residential Retaining Wall

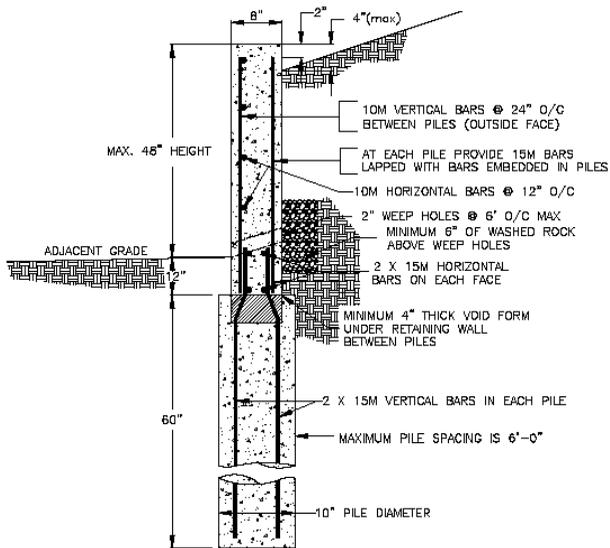


REINFORCEMENT REQUIREMENTS			
WALL HEIGHT (A)	FOOTING WIDTH (B)	VERTICAL (C)	HORIZONTAL (C)
3'-0" max	20"	15M@18" O/C	10M@18" O/C
4'-0" max	24"	15M@10" O/C	10M@12" O/C

- NOTES:
1. VERTICAL REBAR TO BE CENTERED IN WALL – HORIZONTAL REBAR ON TENSION SIDE AS SHOWN.
 2. CONTROL JOINTS REQUIRED IN WALLS OVER 100' IN LENGTH
 3. CONCRETE TO BE A MINIMUM TYPE 50-32 MPA @ 28 DAYS – SULPHATE RESISTANT CEMENT

Retaining Wall with Piles

GUARD NOT SHOWN, BUT IS REQUIRED WHERE THE WALL EXTENDS MORE THAN 24" ABOVE ADJACENT GRADE



NOTES:

1. CONCRETE TO BE A MINIMUM TYPE 50-32MPA @ 28 DAYS – SULPHATE RESISTANT CEMENT
2. CONTROL JOINTS REQUIRED IN WALLS OVER 100' IN LENGTH

REMINDER:

CALL BEFORE YOU DIG! Call for a FREE utility locate service at least two working days in advance.

Electric and Gas	1.800.242.3447 Alberta One-Call (No Charge Dial)
Water and Sewer	403.529.8176
Shaw	1.866.DIG.SHAW
Telus	1.800.242.3447



City of Medicine Hat
Planning & Development Services
580 First Street S.E.
Medicine Hat, Alberta
T1A 8E6

Phone: 403.529.8374

Fax: 403.502.8038

www.medicinehat.ca



Made with recycled materials.



Residential Fences and Retaining Walls

*Building a safe and sustainable
community together*

July 2015

DEVELOPMENT AND BUILDING PERMIT REQUIREMENTS FOR RESIDENTIAL RETAINING WALLS AND FENCES

Retaining walls should be avoided whenever possible. If a retaining wall is needed please note that:

A Development Permit is required for the construction of a fence and retaining wall if the combined height of the retaining wall and the fence on top of the wall, at the property boundary, exceeds the height shown in Figures 1 and 2. Note that the height is measured from grade.

A Development Permit may be required for a retaining wall if the wall has the effect of changing the approved grades on a site or otherwise changing surface drainage so that it affects adjacent properties.

Retaining walls higher than 0.6m (24 inches) require a Development Permit. Retaining walls higher than 0.6m (24 inches) require a Building Permit if they are located at or near the property boundary.

If the retaining wall is higher than 1.22m (4 feet), above grade, then the drawings submitted with the Building Permit application must be prepared and sealed by a Professional Engineer licensed to practice in Alberta.

Guards conforming to Section 9.8 of the Alberta Building Code are required at the top of any retaining wall where the upper surface supported by the retaining wall is used or intended to provide support for pedestrian or vehicular traffic and there is a difference in elevation of more than 600mm between the walking surface and the adjacent surface.

A Building Safety Codes Officer may request a design review by a Professional Engineer in those situations where the structure at any height is deemed to require special design considerations.

AVOID ENCROACHMENTS

Fences and retaining walls (including the foundation of the retaining wall) are not allowed on city property which includes roadways and the adjoining boulevard, as well as municipal and environmental reserves.

Please ensure that your fence and retaining wall are located entirely on your property.



Figure 1
Relationship of Fence to the Property Line

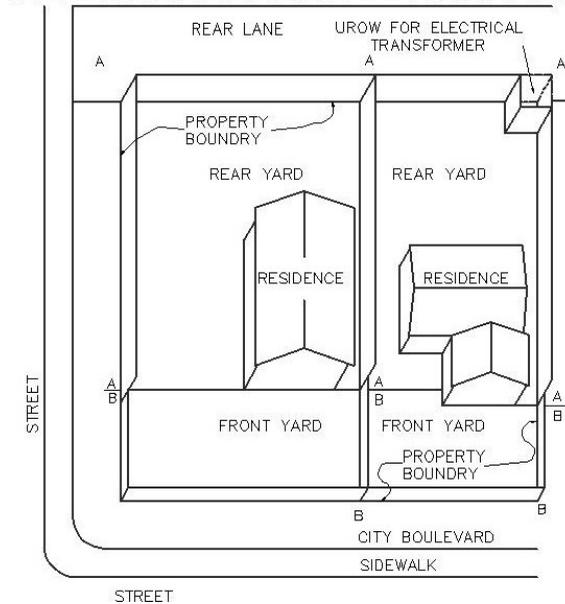
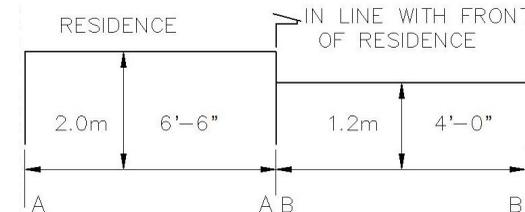


Figure 2
Height Restrictions (Fence + Retaining Wall)



From A to A Maximum height = 1.8m (5'11")
From B to B Maximum height = 1.2m (3'11")
From C to C Maximum height = 0.8m (2'7")

PLEASE KEEP IN MIND

Constructing a retaining wall can alter lot grades which can affect the lot's drainage. The City of Medicine Hat's Land Use Bylaw prohibits directing surface drainage onto your neighbour's property.

A properly constructed retaining wall is less likely to fail (e.g. collapse, topple etc.) but in the long term there is still a possibility that failure may occur. Such failure can affect your investment and require costly repairs.

UTILITY LOCATE SLIPS ARE REQUIRED FOR A DEVELOPMENT PERMIT AND BUILDING PERMIT APPLICATION.

Utility Locate Slips are sketches that are obtained by phoning the numbers listed on the reverse side. When you request a utility locate, you will receive a sketch and the ground will be marked showing the location of underground utilities. These slips should not be older than 3 months. Submit them with your application. (See also Call Before You Dig brochure, if available)

This pamphlet is produced by the City of Medicine Hat's Planning & Development Services Department. This pamphlet has no legal status and cannot be used as an official interpretation of the various codes and regulations currently in effect. Users are advised to contact the P&DS Department for assistance as the City of Medicine Hat accepts no responsibility to persons relying solely on this information.