



# Resort Village of Manitou Beach

In conjunction with the Water Security Agency and Golder Associates Ltd.

**Phase I Construction, Berm and Embankment Raise – 2016**

Without the cooperation and understanding of our residents, the work of various contractors and village staff, and major funding from the Water Security Agency, this project wouldn't have been possible.  
*Thank you from the Resort Village of Manitou Beach*



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# Camp Easter Seal

Construction commences:  
October 2016.



# Construction continues...

Flowing seamlessly from Camp Easter Seal onto MacLachlan Avenue, construction continues adjacent to the Regional Park property.





*Bye Bye Barriers:*  
Sand from the Hesco barriers is recycled and reused throughout the project.





# MacLachlan Avenue

A new beach area is worked into the engineering plans. This non-essential element was a gracious and welcome gift from the Water Security Agency and will certainly assist in reviving tourism in 2017.



Before construction and during construction.







It's hard to believe that this is the same space that was once lined with Hesco barriers and an unusable playground. The trees have since been cut down while the remaining stumps will be removed in the spring.





Main Beach and Business Area





## Turbidity Curtain

The yellow turbidity or floating silt curtain (above), is a flexible barrier designed to prevent the spread of silt and sediment in lakes when work is being performed in water, or near the shoreline.



# Businesses and residences along the main beach are now better protected.

Mike's Beach Bar & The Village Perk



Manitou Springs Resort & Spa parking





# Lake Avenue

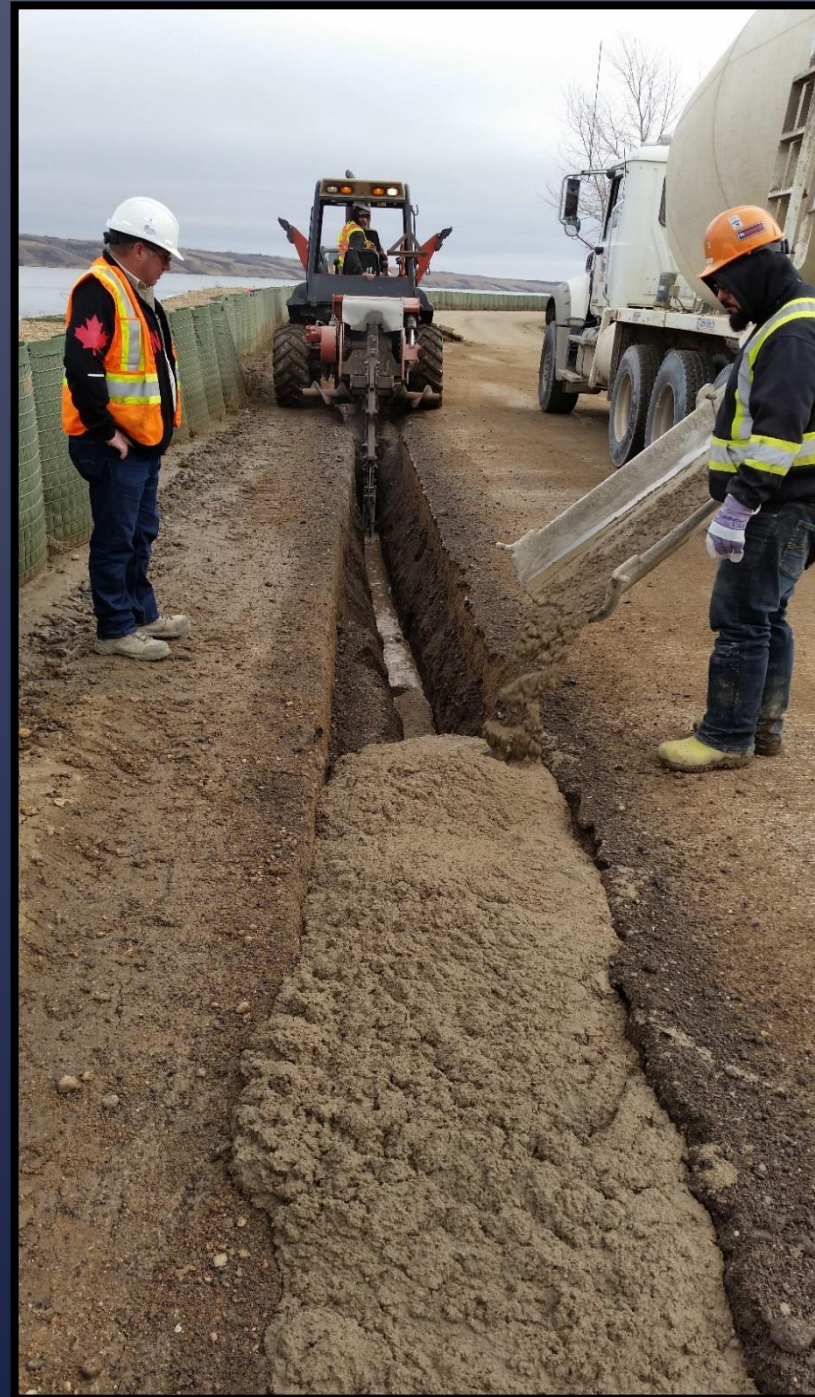
It's truly remarkable what has transpired here.







Crews pour concrete and insert Lock-Block walls, replacing the Hesco barriers and preparing Lake Avenue for elevation.



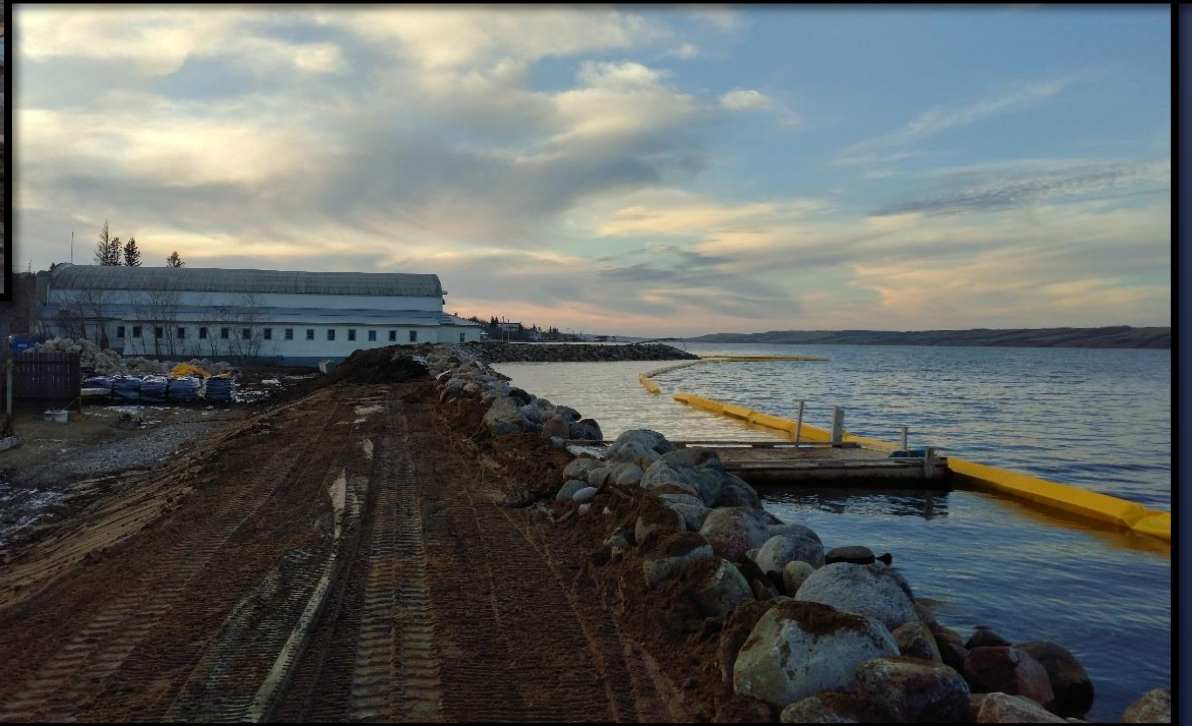


# Danceland and area

The world famous Danceland has felt the woes of rising waters as evidenced in the photo above (top). Today, with the help of the Water Security Agency's Emergency Flood Reduction Program and the Resort Village of Manitou Beach, Danceland will be around for years to come.







Danceland and area





## Wellington Creek

Along with protecting and separating this freshwater creek from our salt water lake, more than 10,000 minnows were relocated upstream while construction took place. The minnows were then returned to their original area.





# Lift Stations, Culverts and Pumps

Protection of our lift stations was addressed in the scope of work alongside other flood related issues such as culverts and electric/automatic pumps.

