



Engineering & Public Works Department

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DATE: September 13, 2017

TO: Mary Becker, Chair
Public Works and Facilities Committee

FROM: John Bohan, Chief CIP Engineer

SUBJECT: Maier Drive Forcemain Repair Transfer Request

The Maier Drive Forcemain conveys wastewater from the west side of the Mendenhall River (Industrial Boulevard area, Pederson Hill, Wildmeadow etc.) to the Mendenhall Waste Water Treatment Plant (MWWTP). The forcemain across the Mendenhall River to the MWWTP broke on Saturday, September 2 due to high flows. This pipe was installed in 2007, 3' below the river bottom. The forcemain had been recently exposed and undermined by flooding and significant down-cutting of the river caused by the Jökulhlaups from the Mendenhall Glacier over the past 6 years. Fortunately, the break was caught immediately by Wastewater staff with minimal wastewater release (if any) occurring into the Mendenhall River. As an interim measure to maintain service to the area, Wastewater staff are currently trucking wastewater from the Maier Drive Pump Station to the MWWTP, an activity that is labor intensive, but doesn't impact the users.

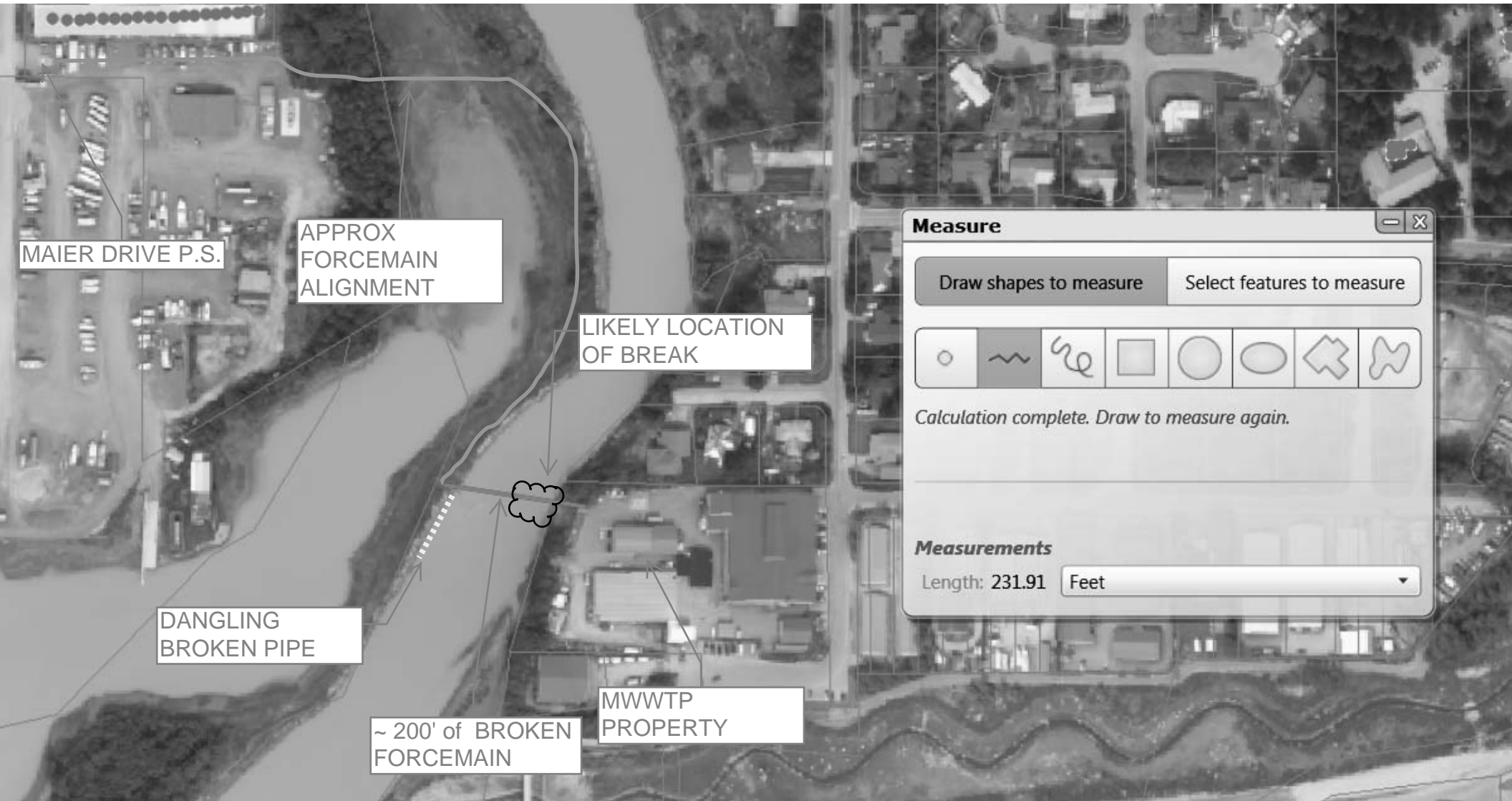
CBJ Risk Management Staff are currently in discussions with our insurance carrier with optimistic hopes of this repair being covered by insurance. Design work needs to begin immediately to implement a new river crossing repair as soon as possible.

In the event of the repair not being covered by insurance, staff requests a transfer of \$100,000 from the Wastewater SCADA (Supervisory Control and Data Acquisition) CIP to a new CIP to fund the design of the work for the Maier Drive Forcemain repair. SCADA upgrades and improvements are an important priority to the Wastewater Utility and significant funding remains (~\$700k) in the SCADA CIP to continue working on the improvements.

If Insurance will cover this work, the funding will be returned to the Wastewater SCADA Improvements CIP.

Recommendation

Staff requests the above transfer be forwarded to the Full Assembly for approval.



MAIER DRIVE P.S.

APPROX
FORCEMAIN
ALIGNMENT

LIKELY LOCATION
OF BREAK

DANGLING
BROKEN PIPE

~ 200' of BROKEN
FORCEMAIN

MWWTP
PROPERTY

Measure - X

Draw shapes to measure Select features to measure

Calculation complete. Draw to measure again.

Measurements

Length: 231.91 Feet ▼