

Upcoming stormwater system upgrade

Background

- We would like to share information on upcoming outfall repair projects that will occur in your community.
- After the June 2013 Flood, The City of Calgary inspected the Bow and Elbow Rivers and Fish, Nose and West Nose Creeks for damages to outfalls and riverbanks. We identified damage to 161 river outfalls and 53 creek outfalls and have prioritized them for repair. This work is beneficial because damaged outfalls can lead to storm drain backups during heavy rainfall events resulting in impacts to both public and private property and the safety of citizens. A damaged outfall could also lead to erosion of our riverbanks and if another flood occurs this could cause damage to infrastructure like pathways, sidewalks, roads and private property, especially in the event of a flood. To date, 75 per cent of identified outfalls have been repaired.

What is an outfall?

- Stormwater is rain or snow melt from our roofs, lawns and roadways that enters the storm drains on our streets and travels through an underground pipe system eventually draining into our rivers. The site where the stormwater flows from the pipes and into the river is called an outfall.

Project details

- Repairs to the outfalls include removing existing vegetation, grass and shrubs from the outfall to allow for repair work to begin. At outfall [E56](#), the existing concrete apron and pipe sections at the outfall are damaged and have become separated from each other, resulting in seepage between sections of pipe. We will replace the concrete apron and pipe sections with a galvanized steel pipe to allow flows to enter the Elbow River. At outfall [E18](#), the existing concrete apron of the outfall is badly cracked with also results in seepage. We will replace the concrete apron to allow flows to enter into the Elbow River. At outfall [E19](#), the outlet for the outfall has become obstructed and requires cleaning to

remove the build-up of sediment and river gravels. Additionally, placement of bedding gravel and rip rap will be added at all three outfalls which will provide erosion protection for the outfall and the Elbow River. This also helps to reduce turbidity. The measurement of turbidity is a key test of water quality.

Construction Impacts

- Repairs to outfall [E56](#) will occur in the community of Elbow Park, construction will take place on the left bank of the Elbow River south of the intersection at Sifton Boulevard S.W. and 9 Street S,W, This work will begin the week of April 2, 2018 and will last one week.
- Repairs to outfalls [E18](#) and [E19](#) will occur in the communities of Mission and Erlton, construction will take place on the left and right banks of the Elbow River under the Victoria Bridge. This work will begin the week of April 9, 2018 and will last two weeks.
- A pathway detour is required for each site (see embedded hyperlinks for [E56](#), [E18](#) and [E19](#) for details)
- Construction vehicles, equipment and a small lay-down area for supplies will occupy the green space along the river and pathway. It will be fenced off.
- Work will be done from 7:30 a.m. until 6:00 p.m. for approximately five days at outfall [E56](#) and for approximately 10 days at outfalls [E18](#) and [E19](#).

For more information

If you have any questions or concerns, or would like more information please visit Calgary.ca. We regret the inconvenience our work may cause – your patience and understanding are appreciated.