

CONSTRUCTION UPDATE

Steinhauer and Ermineskin Flood Mitigation Project

MAY 2021

The Steinhauer and Ermineskin Flood Mitigation Project was initiated with the objective of reducing the risk of flooding during high-intensity, low-frequency rainfall events. The selected concept includes two dry ponds: one in Steinhauer Park and one in Ermineskin Park, as well as performing various sewer upgrades located in several areas of both neighbourhoods.

About 60% of the construction for the overall project was completed in 2020, including the Ermineskin Park dry pond and the sewer upgrades in both Ermineskin and Steinhauer.

The full benefits of the project will not be achieved until the Steinhauer Park dry pond, the remaining sewer upgrades (dry pond connections), and the storm system is fully operational in 2021.

STEINHAUER PARK DRY POND

Dry pond timeline

We expect to start construction of the Steinhauer dry pond the **week of May 17, 2021**, weather permitting. The construction schedule is as follows:

1. Site set-up: week of May 17, 2021
2. Excavation: May to August 2021
3. Drainage infrastructure installation: June to September 2021
4. Landscaping and recreation amenities: August to October 2021

In order to connect the Steinhauer Park dry pond to the drainage system, there will be three locations that will require sewer upgrades. The locations and estimated timelines are:

- **Location A:** 32A Avenue from 108 Street to 107A Street - end of June to end of August
- **Location B:** On 106 Street, north of 31 Avenue - mid-July to early August
- **Location C:** On 31 Avenue east of 107 Street - late June to end of July

Please note: Timelines are estimates and may change based on weather and construction conditions.

Details regarding specific timelines, traffic impacts and access restrictions will be provided for the dry pond connections in a future notice as we get closer to starting the work.

Dry pond construction

The construction for the Steinhauer Park dry pond will be similar to the construction for the dry pond in Ermineskin Park.

First, the topsoil will be removed from the park surface and hauled off site. Once the removal of the topsoil is complete, a survey crew will layout the design and the pond excavation will begin.

The installation of the sub-drain collection system will be done as sections of the pond are completed.

After the sub-drain collection system has been installed, the landscaping work will be done which will include topsoil, sod, recreation amenities and other fixtures.

No trees are expected to be removed as part of construction in the dry pond area in Steinhauer Park; however, there will be trees that need to be hoarded to protect them while construction activities are underway.

Hours of work

Typical hours of operation will be from **7:00am to 7:00pm, Monday to Saturday**. If required, these hours may be extended, and construction may occur on Sundays from 9:00am to 7:00pm.

EPCOR will do everything possible to manage noise associated with the construction. We will work to ensure that the construction is completed within the requirements of the City of Edmonton Noise Bylaw.

MAP OF STEINHAUER PARK DRY POND WORK AREA



Traffic impacts

For the Steinbauer Park dry pond, one major road closure will be required at Location A (on 32A Avenue from 108 Street to 107A Street). This closure is expected to be from the **end of June** until **early September**.

All sidewalks will be maintained during construction. Flag personnel will be onsite to assist pedestrians during construction activities.

Truck haul route

Access into the Steinbauer dry pond will be along 32A Avenue across from 108 Street and from 31 Avenue.

Haul restriction times have been established during times when students are arriving and departing from **8:00am to 8:45am, 11:15am to 12:25pm and 3:10pm to 3:45pm Monday to Friday** with the exception of early dismissal on Thursday afternoons. **No-haul times on Thursdays run from 2:10pm to 2:40pm.**

Please note, no-haul times are subject to change and will not be applicable once summer break commences.

Dust

Dust will be kept to a minimum. This will include utilizing water spraying systems, limiting stockpiles, limiting operations in windy conditions, as well as ample street monitoring/cleaning.

All loaded trucks importing and exporting materials to and from site will be tarped.

Roads affected by hauling will be cleaned as required. Parking will be limited in some sections near the construction site access to allow for adequate visibility and turning.

Access to recreation amenity areas

The dry pond construction area will be fenced off and inaccessible from the start of construction to the end of the landscaping warranty period. The area will not be available for any use for approximately 18 months. Any activity in this space while access is restricted will have long term consequences by damaging the landscaping and potentially delaying the full opening of the facility.

ERMINESKIN PARK DRY POND

The construction of the dry pond in Ermineskin Park has been completed, including planting of replacement trees. Residents can expect to see on-going maintenance within the fenced areas, including installation of soccer goal posts, picnic tables and waste bins.

During the early summer, the supervisory control and data acquisition system (SCADA) will be installed in the dry pond. SCADA is a computer system for gathering and analyzing real time data, which includes warning devices in the pond's drainage grates that notify EPCOR when it is filling with water. EPCOR staff can be dispatched as necessary to ensure the site is safe.

EPCOR is looking into options to potentially remove the fence around Ermineskin Park earlier than fall 2021. Please note, this is dependent on the amount of rain we get and ensuring the sod rooting is established before the fence is removed.

In fall 2021, the City of Edmonton will complete an inspection to ensure the landscaping has established prior to the dry pond and sports fields transferring to the City for ownership and maintenance.

Please note, these are still active worksites and are restricted areas. While we understand it is tempting to utilize these spaces, especially given the situation we are in with COVID-19, residents are asked not to remove the fencing or access the fenced area for their own safety and to prevent damage to the landscaping. Any damage to the landscaping may impact the City of Edmonton's approval and significantly delay the opening of the space.



SEWER UPGRADES

The various sewer upgrades throughout Steinhauer and Ermineskin, including associated concrete work and paving restoration, have been completed. Any minor seasonal hard-surface or landscaping deficiencies will be addressed in May-June 2021.

SAFETY

The construction area will be fenced and/or marked as a restricted area. We will take every precaution to ensure public safety, and we request your assistance in keeping children and pets a safe distance from the construction site and the equipment.

We thank you for your patience and understanding as we perform this necessary work.

COVID-19

EPCOR is closely monitoring our work related to the COVID-19 pandemic. Protocols are in place to protect the health of customers and our employees and teams while they perform essential work. We ask homeowners to please keep a safe two-metre distance from our crews.

OTHER UPCOMING DRAINAGE WORK

EPCOR is also planning to rehabilitate some existing sanitary sewer pipes in Steinhauer in 2022 using a trenchless relining method. The locations include:

- Along 32A Avenue from 106 Street to 108 Street
- Along 31 Avenue from 106 Street to 108 Street
- At the intersection of 34 Avenue and 106 Street

More information will be provided before work begins and will include details of traffic impacts, timelines and schedule. *Please note: These timelines are estimates and are pending internal approvals, and crew availability.*

DUGGAN TUNNEL REPLACEMENT PROJECT

The Duggan tunnel sanitary sewer line services neighbourhoods in south-west Edmonton, from Steinhauer up to Bonnie Doon, and has been identified for replacement. The proposed alignment of the new tunnel is along 111 Street from Saddleback Road/29A Avenue, east along 34 Avenue, north on 106 Street to the tie-in connection north of L.Y. Cairns School.

This project is part of EPCOR's Corrosion and Odour Reduction Strategy (CORe) which was initiated in 2019. With the completion of the new tunnel, the major cause of how odour is formed and how it is pushed out into the communities is expected to be notably diminished.

EPCOR is expecting to have a contractor on-board in early 2022, with construction beginning spring-summer 2022. The work will be done in sections with the sequencing and timing of the work determined by the contractor. The overall project is expected to be completed by 2026. *Please note: These timelines are estimates and are pending internal approvals, and contractor procurement/availability.*

More information will be provided before work begins and will include details of traffic impacts, timelines and schedule.

MORE INFORMATION

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