

CONSTRUCTION NOTICE

Valley Line West LRT - Drainage Utility Relocations Stony Plain Road from Groat Road to 138 Street

SEPTEMBER 2020

PROJECT OVERVIEW

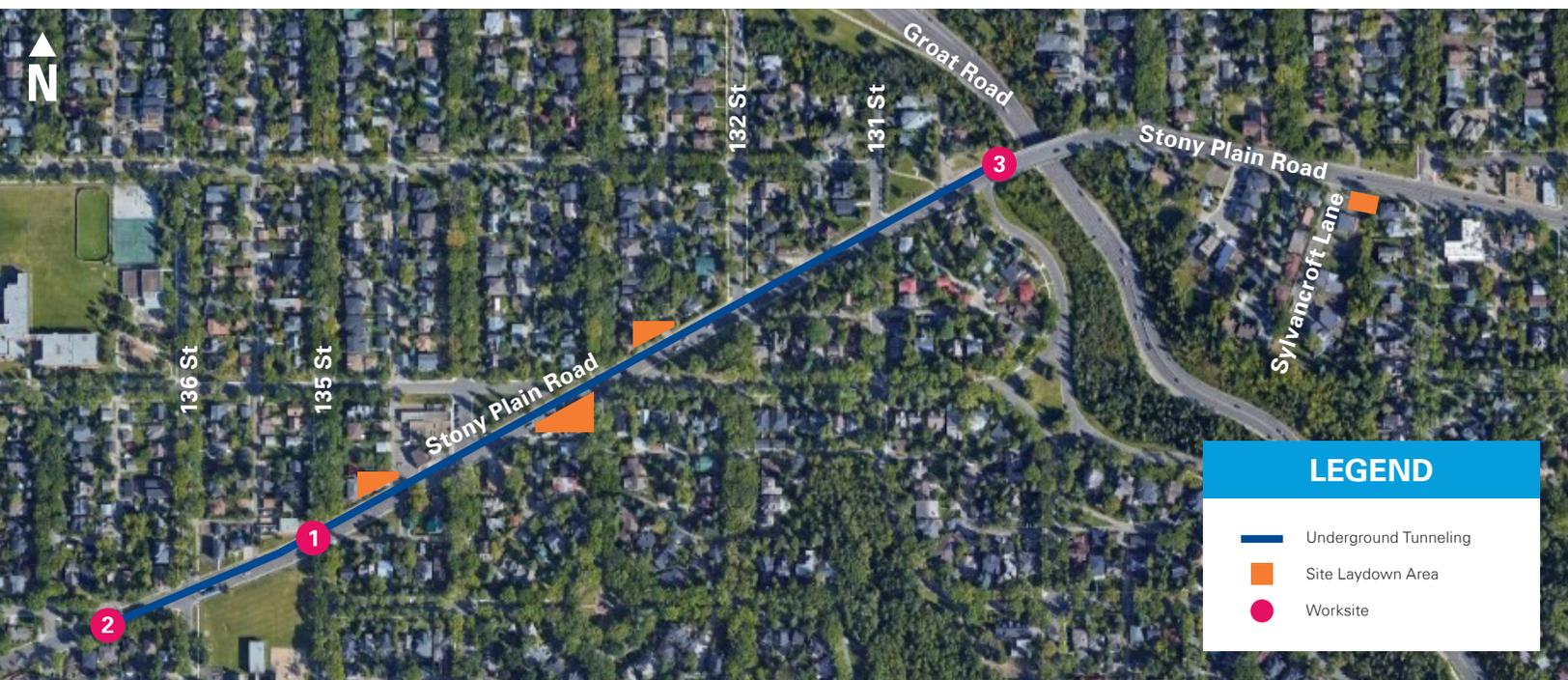
As part of the Valley Line West LRT project, EPCOR is responsible for relocating utilities to avoid potential conflicts with the future Valley Line West LRT infrastructure. This is the second stage of the Valley Line, an urban-style 27km line that will operate between Mill Woods in southeast Edmonton and Lewis Farms in west Edmonton.

WHAT'S HAPPENING

To meet the overall LRT project schedule, the City has requested that EPCOR perform the utility relocations within specific areas along the alignment prior to LRT construction. In addition, EPCOR will be constructing a new sanitary sewer tunnel west of Groat Road Bridge, improving reliability of the local drainage system.

Three worksite locations will be utilized in this area to facilitate construction of a new Drainage tunnel. The locations and estimated timelines are:

- Worksite #1 - Stony Plain Road west of 135 Street – scheduled to start **September 28, 2020**
- Worksite #2 - Stony Plain Road west of 136 Street – anticipated to start in February 2021
- Worksite #3 - Stony Plain Road west of Groat Road Bridge – anticipated to start in September 2021



WORKSITES OVERVIEW

There will be three worksite locations where a large pit (also known as shaft) will be dug. Once the shafts have been constructed, a large tunnel boring machine (TBM) will be lowered underground to excavate the new tunnel. The shafts will also be used to remove the TBM from the ground once tunneling is complete.

Worksite #1 will be the first area to start construction, followed by Worksite #2 in February 2021. Tunneling will start from Worksite #1 heading west to Worksite #2. Once the west section of the tunneling is complete, the TBM will be removed from Worksite #2 and will re-enter Worksite #1 to tunnel east towards Worksite #3.

Details regarding timelines, traffic impacts and access restrictions will be provided for other worksites in a future notice as we get closer to the start of construction at those worksites and confirm those details with the contractor.

CONSTRUCTION DETAILS

Worksite #1 - Stony Plain Road west of 135 Street

Construction is expected to start on **September 28, 2020** and is expected to be completed by **end of December 2021**, weather permitting. Please note: Timelines are estimates and may change based on weather and construction conditions.

Traffic Impacts

- Eastbound lanes on Stony Plain Road from 136 Street to 135 Street will be closed.
- One westbound lane on Stony Plain Road from 136 Street to 135 Street will be converted into an eastbound lane to maintain two-way traffic.
- No left turns from Stony Plain Road onto 135 Street will be permitted.

Pedestrian Impacts

- The sidewalk on the south side of Stony Plain Road within the work area will be closed. A temporary detour will be provided.

Other

- Bus stop #5036 will be relocated to 20m east of 137 Street.
- 24 hour a day work is required to prevent the Tunnel Boring Machine (TBM) from seizing. There are two time frames where 24 hour a day work will be occurring for Worksite #1:
 - Estimated to start in February 2021 and occur for approximately 41 consecutive days.
 - Estimated to start in May 2021 and occur for approximately 152 consecutive days.



TRUCK HAUL ROUTES AND NO-HAUL TIMES

The truck haul routes for Worksite #1 will be from west on Stony Plain Road, to south on 134 Street and then back west on 102 Avenue.

The hauling of materials will start on **October 1, 2020**.

Haul restriction times have been established during times when students are arriving and departing:

- **8:00am to 8:40am and 3:00pm to 3:40pm Monday to Friday** with the exception of early dismissal on Thursday afternoons.
- **No-haul times on Thursdays run from 2:00pm to 2:40pm.**

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



WHAT TO EXPECT TO SEE ON SITE

Shaft Construction Site and Tunnel Boring Machine

A Tunnel Boring Machine (TBM) will be used to construct the new sewer. The TBM grinds underground through soil or other material and then pipe is installed to create the new tunnel. The TBM operates under a pressure system to move forward and requires pipe lubrication. When tunneling stops the lubrication may harden causing the pipes and the TBM to be unable to be pushed forward – this is why 24/7 tunneling is necessary.



Slurry Separation Machine

The Tunnel Boring Machine (TBM) tunnels through the ground by breaking up the soil, mixing it with the drilling fluid to form a slurry and then pumping this slurry to the surface. At the surface, the slurry is pumped into a slurry separation machine which separates the tunneled soil from the drilling fluid. The tunneled soil is then loaded into dump trucks and hauled away and the drilling fluid is pumped back to the TBM to be reused. The slurry separation machine will be used at Worksite #1 only.



HOURS OF WORK

The typical hours of construction will be **7:00 a.m. - 6:30p.m. Monday to Saturday**. If required, these hours may be extended, and construction may occur on Sundays from 9:00a.m. to 6:00 p.m.

We will comply with the City of Edmonton's Community Standards Bylaw for Noise Control. If it's necessary to temporarily exceed acceptable noise levels, we will work with the City of Edmonton to obtain the necessary permits.

SAFETY

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

Flagging personnel is on site to control vehicle and pedestrian traffic into and around the construction site. Traffic control signage is in place along the roadways adjacent to the site.

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

COVID-19

EPCOR is closely monitoring the situation related to the COVID-19 outbreak. Protocols have been put in place for our employees while performing essential work to protect the health of our teams and our customers. We also request homeowners take precautionary measures by maintaining a safe, two-metre distance from our crews.

We would like to reassure our customers that we have plans in place to manage disruptions or emergencies, and are committed to providing the services our communities count on.



FOR MORE INFORMATION

EPCOR Drainage Services

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