

# PROJECT UPDATE

## Valley Line West LRT Utility Relocations (2019-2023)

**APRIL 2021**

### PROJECT OVERVIEW

As part of the City of Edmonton’s Valley Line West LRT project, EPCOR is responsible for relocating all the power, water and drainage utilities to avoid potential conflicts with the future 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.

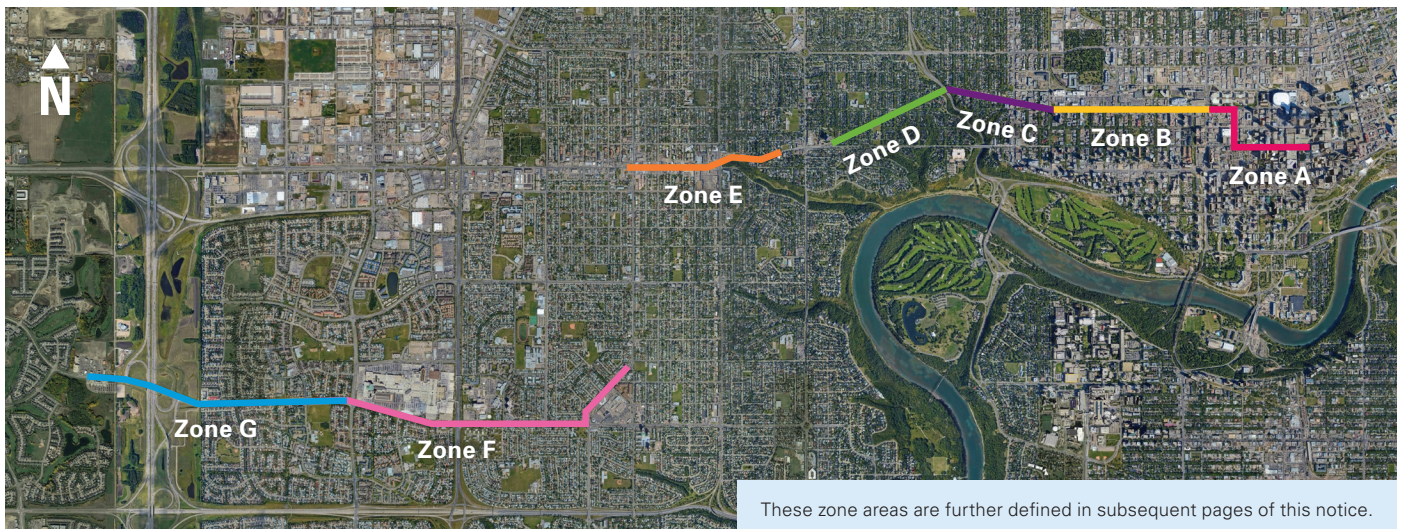
To meet the overall LRT project schedule, the City has requested that EPCOR perform the utility relocations within specific areas along the alignment prior to LRT construction.

Work to relocate power, water and drainage utilities began in 2019 and is expected to be completed by 2023. Once complete, the relocation work will also improve reliability of utilities to local areas.

The work will continue in 2021 and the information throughout the following pages will outline the work plan for this year. EPCOR is committed to engaging and building relationships with the community and stakeholders. Further information will be provided as work begins, major milestones are met and as the project evolves.

*All timelines are estimates and may change based on weather and construction conditions.*

### OVERALL PROJECT AREA



These zone areas are further defined in subsequent pages of this notice.

## PROJECT AREA AND NOTIFICATION

This project is broken down geographically into seven zones which follow the alignment of the LRT from east to west. The relocations may occur in any of these geographic areas along the route from the start to the end of the project (2019-2022).

- Zone A – 101 Street to 109 Street & 105 Avenue to Jasper Avenue
- Zone B – 104 Avenue from 109 Street to 121 Street
- Zone C – Stony Plain Road from 121 Street to 129 Street
- Zone D – Stony Plain Road from Groat Road to 138 Street
- Zone E – Stony Plain Road from 142 Street to 156 Street
- Zone F – 87 Avenue from 156 Street to 184 Street
- Zone G – 87 Avenue from 184 Street to west of Anthony Henday Drive

This notice is being delivered to all residents and businesses in the zones identified above. Further notifications will be mailed to residents and businesses in the immediate zone where the work is occurring. All zone updates are available at [epcor.com/valleyline](http://epcor.com/valleyline).

Please note, some work with a duration of less than 48 hours may occur along the route between Zones E and F.

## WORK ACTIVITIES

You may see some of the following work activities in your area.



### Micro-Tunneling

Micro-tunneling is a method used to construct new sewer tunnels. First a large shaft (about 4-7 metres in diameter) is built which will facilitate lowering of a micro-tunnel boring machine (TBM) into the ground. The TBM then grinds through soil and rocks/boulders underground along the alignment of the new tunnel. Pipe is then pushed behind behind the micro-tunneling machine to create the new sewer.

The tunneling process occurs underground; however, shafts are required at the surface along the alignment of the tunnel. These shafts are placed at engineered start and end points (used to retrieve or turn the TBM). Due to the size of the shaft locations, impacts usually include road/sidewalk closures. A large machine used to manage the drilling slurry will also be on site at some shaft locations.



### Open-Trench Construction/Excavation

Open-trench construction is a method in which surface area is excavated to install new infrastructure. Most of the work for this project will include this type of construction, including the installation of underground power cables, installation of new drainage infrastructure and water main relocations.

Open-trench construction requires a large area to accommodate trenching; therefore, impacts usually include road and/or sidewalk closures. Due to the amount of material and equipment required, there is often a laydown area that needs to be incorporated onto the site, which may cause a large portion of a road and/or sidewalk to be closed, or disrupt a greenspace area which may normally be used for public recreation.

### Water Main Relocation

Water main relocation work includes moving an existing water main to an alternate location after the infrastructure has been exposed through open cut excavation.

In addition to the activities associated with open-trench excavation, customers affected by water main relocations may require a temporary water connection supplied by EPCOR while work is ongoing.

### Directional Drilling

Directional drilling will be used to install new underground electrical infrastructure. This method is used in an effort to minimize the amount of ground disturbance to an area or for crossing large roads, bodies of water, and where open-cut is not feasible. Holes are drilled and power cables will be pulled through the holes.



## PROJECT IMPACTS

Further zone notification will be provided before work begins and will include details of traffic impacts, timelines and schedule when possible.

### Traffic

- Depending on the work location, residents and businesses can expect to see activity that is typical to construction, including company/contractor vehicles and equipment.
- Road/lane and sidewalk closures are anticipated. Signage will indicate closures and detours along with parking restrictions.
- We will work with the City of Edmonton to relocate bus stops as needed.
- Construction vehicles and tandem dump trucks used for hauling will access work areas through local roadways.

### Outages (Water/Power)

- Depending on your location along the route you may experience a water outage during the course of the planned construction work. If we have to shut off the water main temporarily during construction, you will receive written notice at least 24 hours in advance. Water service will typically resume within eight hours.

- If we need to shut off your water during construction for longer than eight hours, we will provide you with a temporary above ground water supply. There will be no consumption charge for water provided through the temporary line. You will only pay the monthly basic charge for water supply and any water consumption provided by regular metering service.
- Power outages may be necessary at times to ensure work can be completed safely. Customers can learn more about power outages at [epcor.com](http://epcor.com).

### Noise

- Work will create typical noise associated with construction.
- Work outside the noise bylaw hours may occur. More information will be distributed if construction is scheduled outside regular hours outlined in the noise bylaw.
- We will take measures to ensure compliance with the City of Edmonton's Community Standards Bylaw for Noise Control.

### Laydown Areas

- Four laydown areas for material storage are required for this project. Material will be transported to and from these areas for the duration of the construction activities. Information on these locations can be found on the Zone D map in this notice.

## ZONE A: 101 STREET TO 109 STREET & JASPER AVENUE TO 105 AVENUE

### Work Completed to Date

Water main relocations have been completed along 107 Street from 102 Avenue to 104 Avenue and along 103 Avenue from 101 Street to 103 Street.

New underground electrical infrastructure was installed along 102 Avenue and 103 Avenue between 108 Street and 103 Street and along 105 Street from 101 Avenue and 103 Avenue.

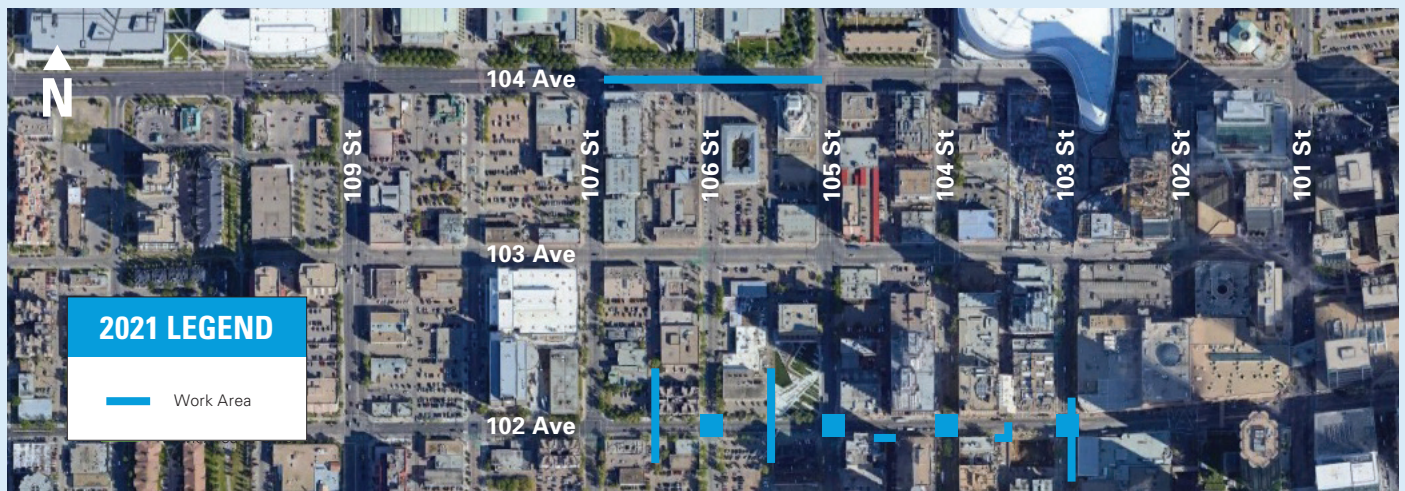
### 2021 Work

#### Water – Water Main Relocation

Water main relocation work will occur on 102 Avenue at each intersection from 103 Street to 106 Street.

#### Power – Open-Trench Construction

New underground electrical infrastructure will be installed between 102 Avenue and 104 Avenue from 108 Street to 103 Street in various areas.



## ZONE B: 104 AVENUE FROM 109 STREET TO 121 STREET

### Work Completed to Date

The following work has been completed:

- Drainage utility relocations on the south side of 104 Avenue at 113 Street.
- A fire hydrant relocation on 104 Avenue at 115 Street.
- Power infrastructure has been relocated along 104 Avenue and 121 Street.

### 2021 Work

#### Drainage – Micro-Tunneling & Open-Trench Excavation

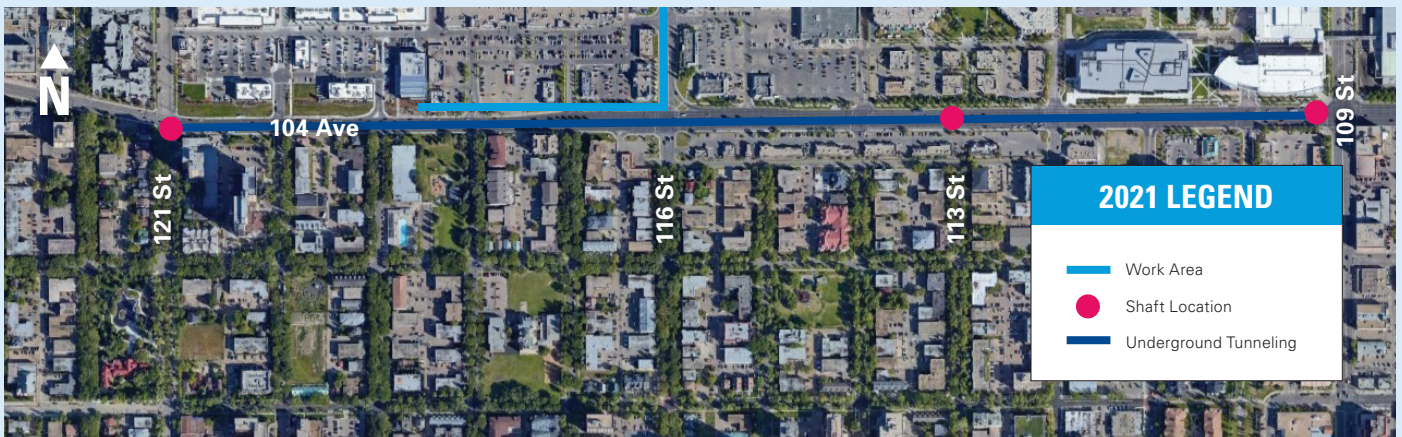
Construction of a new sewer tunnel is underway along 104 Avenue at 113 Street. Construction of two shafts will start in late 2021 to complete the new tunnel. The locations are 104 Avenue at 109 Street and 121 Street. Open-trench excavation will also occur in various locations in 2021 to install drainage infrastructure.

#### Power - Open-Trench Excavation/Directional Drilling

New electrical infrastructure, including power cubicles and underground cables, will be installed along 104 Avenue and 116 Street.

#### Other Work in the Area - Columbia Avenue

Water hydrants will be relocated along 105 Avenue from 110 Street to 115 Street as part of another project.



## ZONE C: STONY PLAIN ROAD FROM 121 STREET TO 129 STREET

### Work Completed to Date

Water main relocations have been completed along and on either side of Stony Plain Road.

### 2021 Work

#### Drainage – Open-Trench Excavation

New drainage infrastructure will be installed in the following areas:

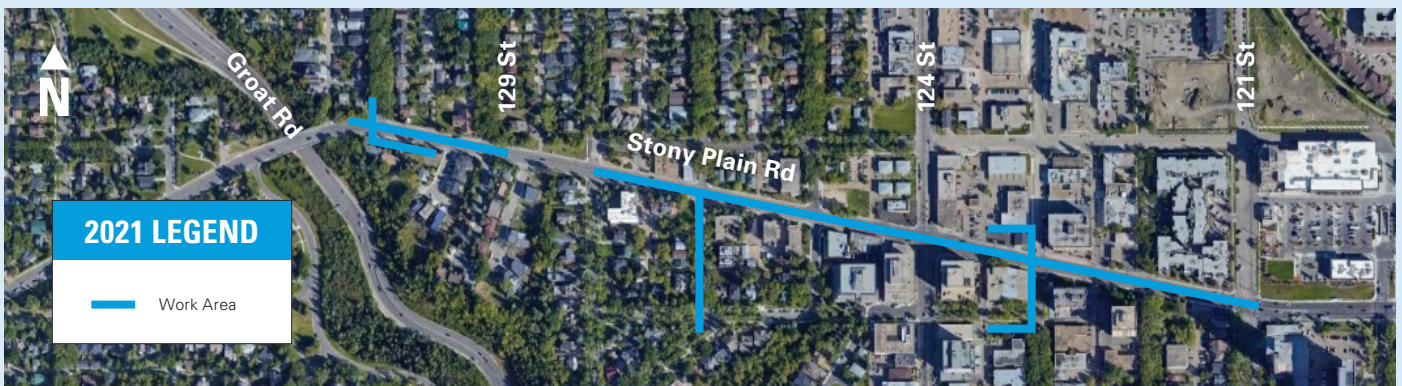
- 129 Street to Sylvancroft Lane
- 127 Street to 121 Street

#### Water – Water Main Relocation

Water main relocation work will occur along 126 Street south of Stony Plain Road.

#### Power – Directional Drilling

New electrical infrastructure including underground cables, power cubicles and power poles will be installed in various locations between 123 Street and 129 Street.





## ZONE D: STONY PLAIN ROAD FROM GROAT ROAD TO 138 STREET

### Work Completed to Date

Water main relocations have been completed along and on either side of Stony Plain Road.

### 2021 Work

#### Drainage – Micro-Tunneling & Open-Trench Excavation

Construction of a new sewer tunnel has begun with active worksites on Stony Plain Road at 135 Street and 136 Street.

A worksite is expected to start in late 2021 on Stony Plain Road, west of the Groat Road Bridge. Open-trench excavation will also be performed in this zone in various areas throughout 2021.

### Water – Water Main Relocation

Water main relocation work will occur in the following areas:

- Along 104 Avenue from lane east of 134 Street to lane east of 136 Street
- 135 Street and 104 Avenue to Stony Plain Road
- 134 Street from 104 Avenue to 105 Avenue

### Power – Directional Drilling

Sections of overhead electrical lines will be relocated underground and existing overhead infrastructure will be replaced in various areas between 135 Street and Groat Road.



## ZONE E: STONY PLAIN ROAD FROM 142 STREET TO 156 STREET (NO MAP)

### Work Completed to Date

New underground electrical infrastructure was installed south of Stony Plain Road and 156 Street and north and south of Stony Plain Road at 143 Street.

No additional LRT work is scheduled in 2021 in this area.

### 2021 Work

#### Drainage – Other Work in the Area

Relining of main line pipes will be performed in this area and is expected to have minimal traffic impacts.

In addition, drainage work is currently being performed in this area for the 99 Avenue Sanitary Trunk Rehabilitation Project, which is unrelated to the LRT. For the specific project notice please visit [epcor.com/99Ave](http://epcor.com/99Ave).



## ZONE F: 87 AVENUE FROM 156 STREET TO 184 STREET

### Work Completed to Date

New underground electrical infrastructure was installed in various locations along 87 Avenue and 83 Avenue from 154 Street to 175 Street.

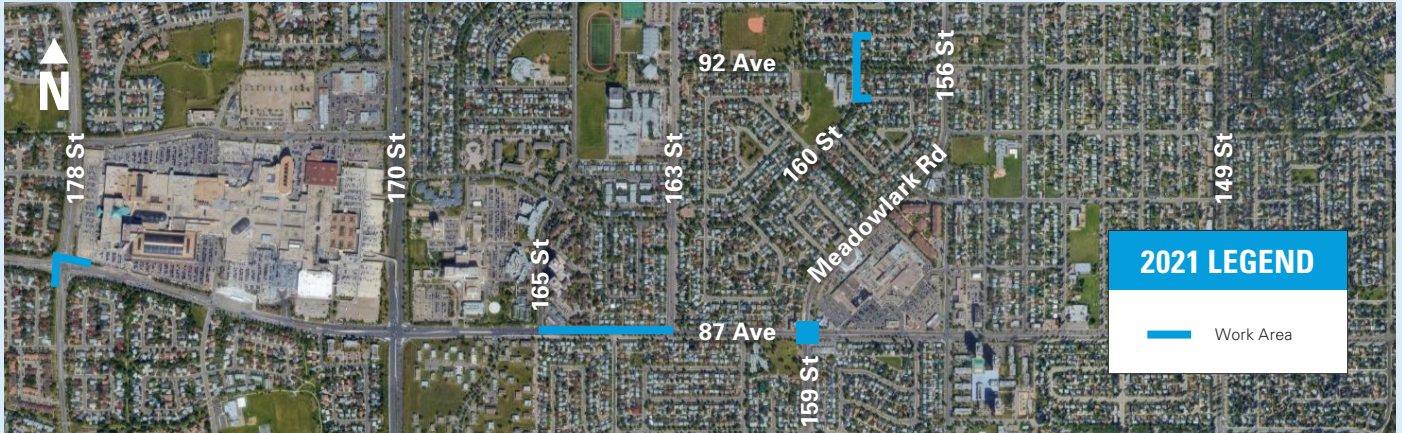
### 2021 Work

#### Water - Water Main Relocations

Water main relocation work will occur along 87 Avenue from 165 Street to 163 Street and at 87 Avenue and 159 Street.

#### Power – Directional Drilling

New underground electrical cables will be installed and existing above ground infrastructure will be replaced along 160 Street and at the intersection of 178 Street and 87 Avenue.



## ZONE G: 87 AVENUE FROM 182 STREET TO WEST OF ANTHONY HENDAY DRIVE

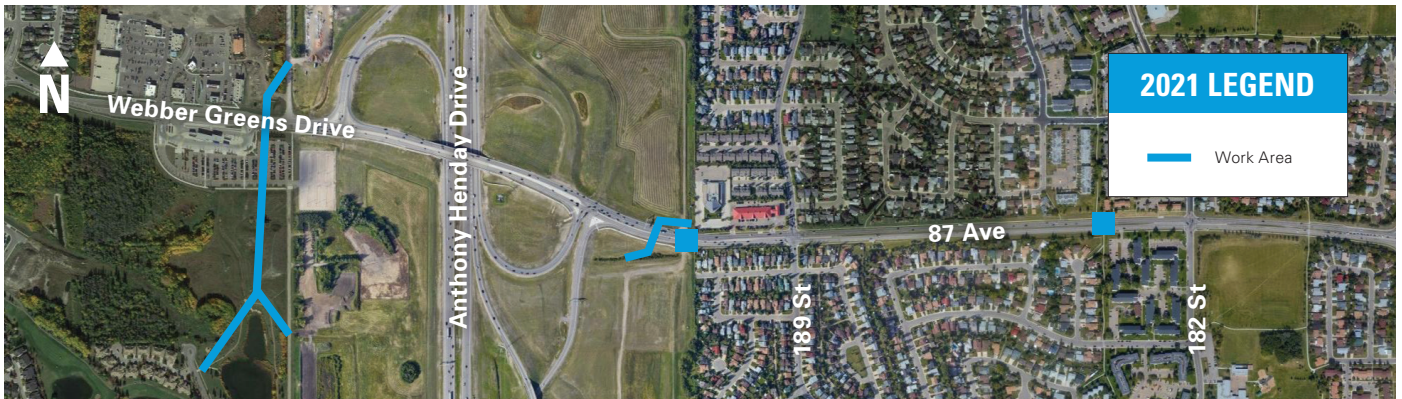
### 2021 Work

#### Water - Open-Trench Excavation

New water infrastructure will be installed along 87 Avenue west of 182 Street and along 87 Avenue west of 189 Street.

### Power – Directional Drilling

New underground electrical cables will be installed and existing above ground infrastructure will be replaced along 87 Avenue in the Transportation Utility Corridor and just west of 199 Street.



## 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.



## MORE INFORMATION

### EPCOR

**Phone:** 780-412-4200

**Email:** [EPCORprojects@epcor.com](mailto:EPCORprojects@epcor.com)

**Website:** [epcor.com/valleyline](http://epcor.com/valleyline)

For all zone project notices, visit [epcor.com/valleyline](http://epcor.com/valleyline).