PROJECT UPDATE

Valley Line West LRT Utility Relocations (2019-2023)

APRIL 2022

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.

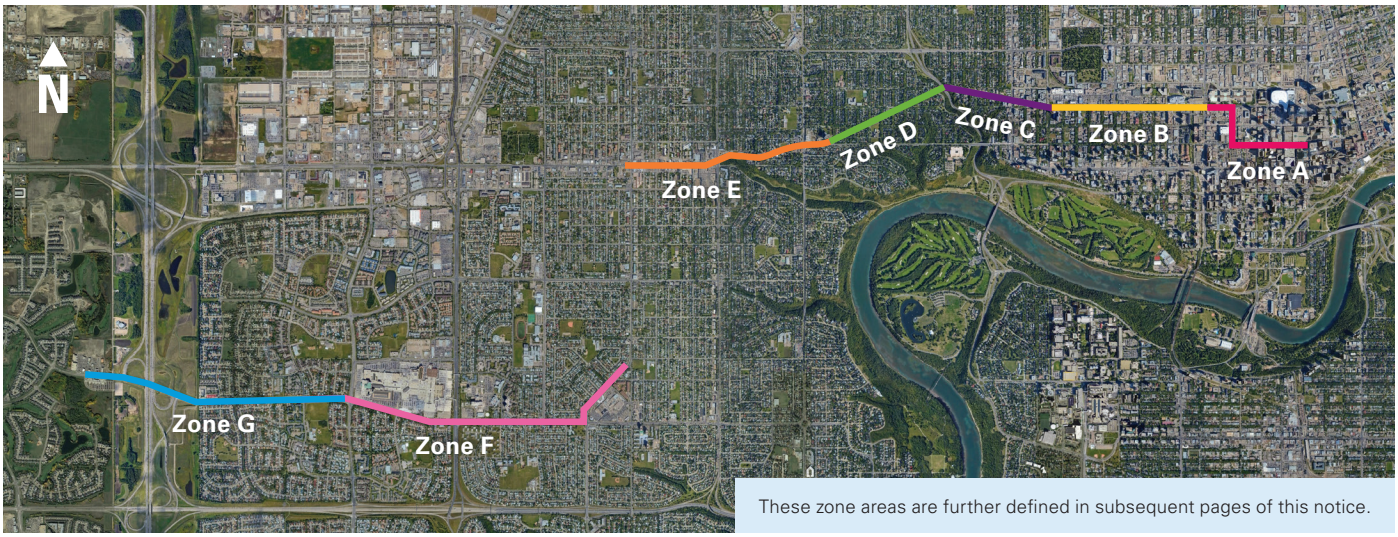
To meet the overall LRT project schedule, the City has requested that EPCOR perform the utility relocations within specific areas along the alignment prior to LRT construction.

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 2022 and the information throughout the following pages will outline the work plan for this year. EPCOR is committed to engaging and building relationships with residents, 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 (2019-2023). Please note that other utility work may occur throughout the new LRT alignment. These zones cover areas impacted by EPCOR construction.

- 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 139 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, businesses and other organizations 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**.

WORK ACTIVITIES

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

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 involve 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.

Relining

Existing sanitary and storm sewer pipes will be relined using a trenchless relining method called Cured in Place Pipe, where a sleeve is inserted into the pipes and then cured, maintaining the structure of the existing pipes.

The work is typically low impact as it is short duration but depending on the scope, major traffic disruptions may occur. In addition, manholes may need to be constructed to facilitate the relining. Typical impacts also include temporary and short-term sewer odours.

PROJECT IMPACTS

Further 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 closures, detours, and 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/outages.

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 in 2021

Water main relocations have been completed along 102 Avenue from 103 Street to 106 Street.

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

2022 Work

Drainage – Open-Trench Excavation & Relining

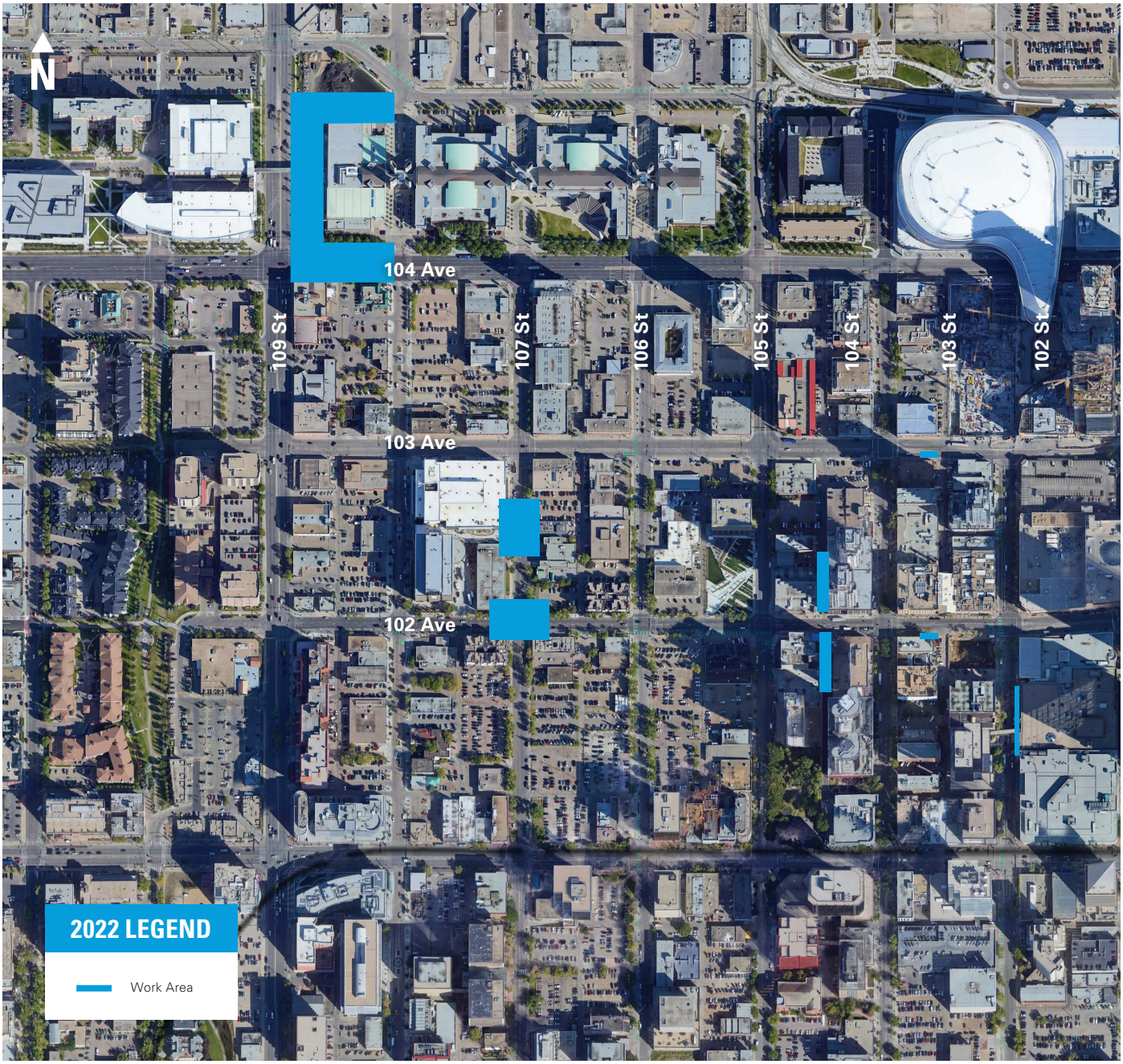
A new drainage manhole will be installed on 107 Street from 103 Avenue to 102 Avenue. Relining will occur following installation of the manhole.

Water – Water Main Relocation

A water main relocation will occur at the intersection of 107 Street and 102 Avenue and from 104 Avenue to 105 Avenue between 109 Street and 108 Street.

Power – Open Trench Excavation

New underground electrical infrastructure will be installed in the alley east of 105 Street, between Jasper Avenue and 103 Avenue. Upgrades to manholes and electrical vaults will also be completed at various locations.



ZONE B: 104 AVENUE FROM 109 STREET TO 121 STREET

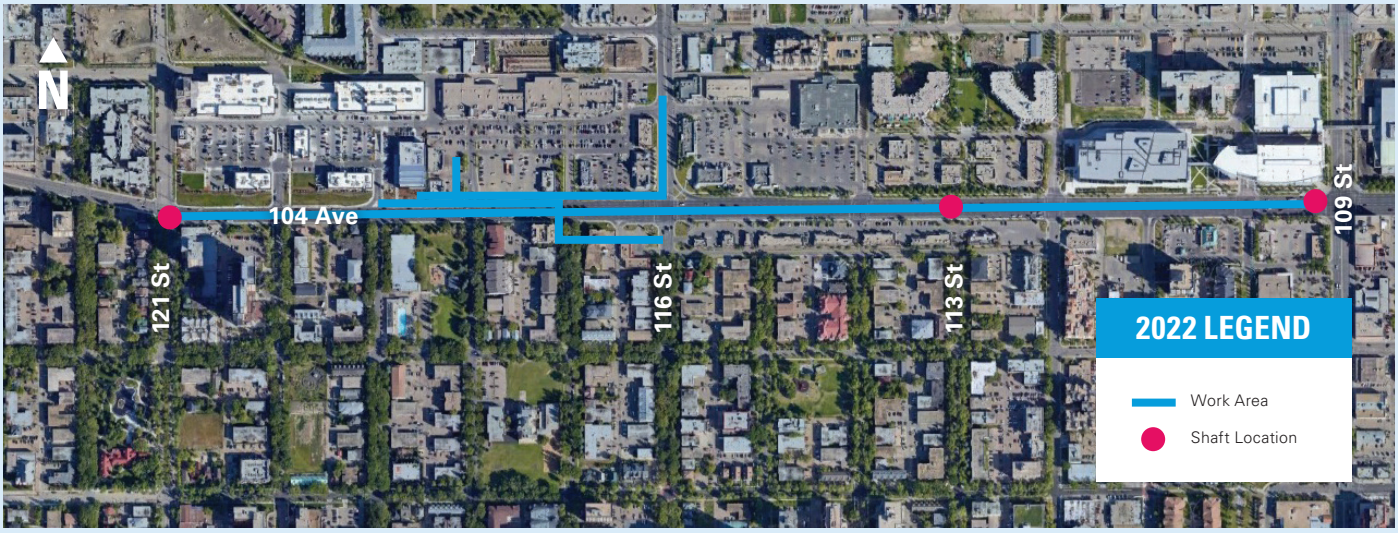
The new sewer tunnel along 104 Avenue from 109 Street to 121 Street has been completed.

Work Completed in 2021
Water hydrants have been relocated along 105 Avenue from 110 Street to 115 Street as part of another project.

2022 Work

Drainage – Open-Trench Excavation
Open-trench excavation will occur along the new tunnel alignment to install drainage infrastructure and connect services to the new tunnel.

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



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

Work Completed in 2021
Installation of new drainage infrastructure has been completed along the north and south sides of Stony Plain Road.

Water main relocation work has been completed along 126 Street south of Stony Plain Road.

New electrical infrastructure including underground cables, power cubicles and power poles have been installed in various locations between 126 Street and 129 Street.

2022 Work

Drainage – Open-Trench Excavation
Work to connect the new infrastructure to service connection points and manhole construction will be completed in various areas.

Water – Water Main Relocation
Water main relocation work will occur on Stony Plain Road and 123 Street.

Power – Directional Drilling
New electrical infrastructure including underground cables, power cubicles and power poles will be installed in various areas around Stony Plain road between 123 Street and Groat Road.

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

Work Completed in 2021

The new sewer tunnel along Stony Plain Road from west of the Groat Road Bridge to 136 Street has been completed. The large worksite at Stony Plain Road and 135 Street is expected to be completed by May 2022.

Water main relocation work has been completed at the following locations:

- 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

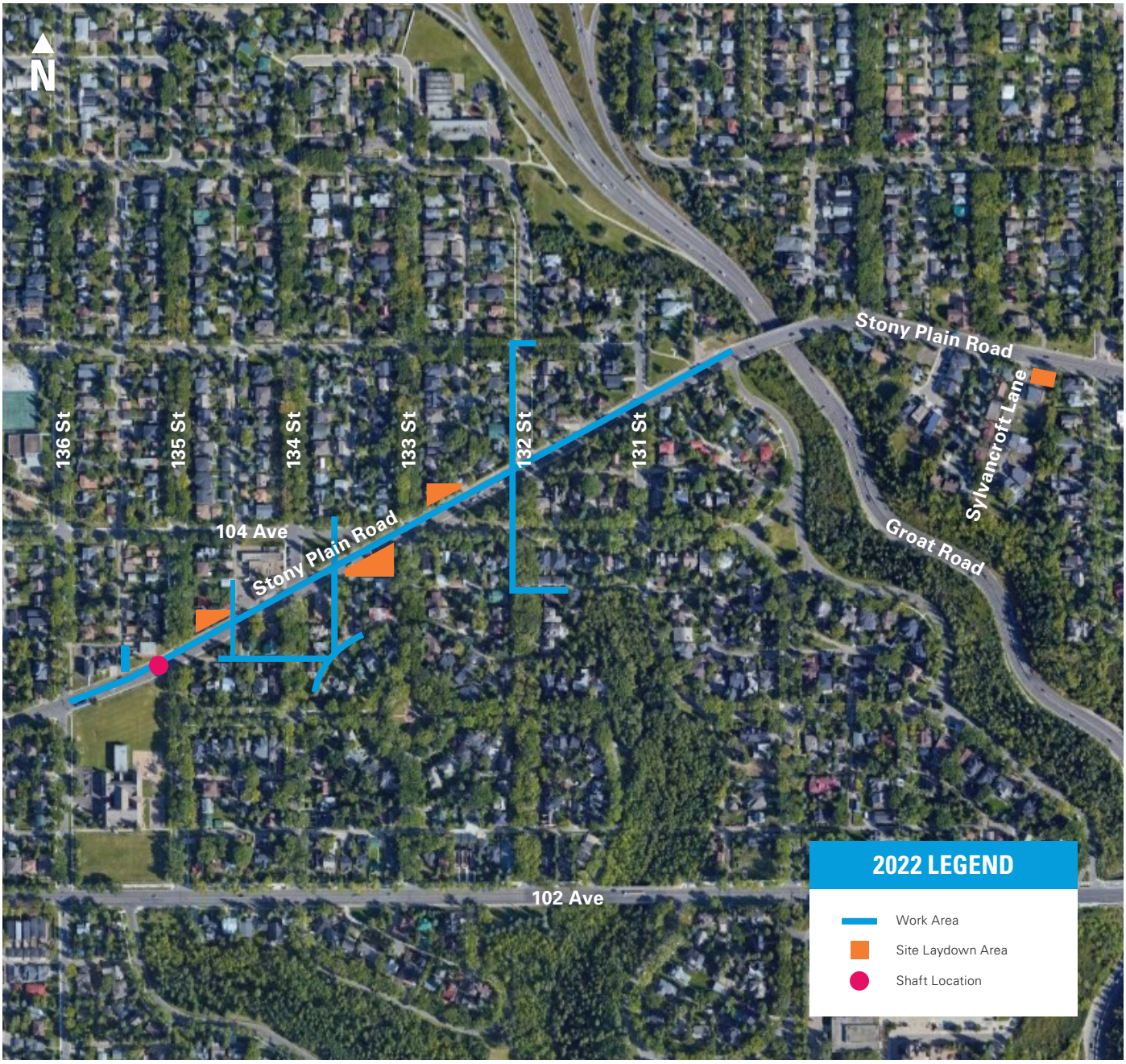
2022 Work

Drainage – Open-Trench Excavation

Work to connect the new infrastructure to service connection points and manhole construction will be completed in various areas.

Power – Directional Drilling

Electrical work will involve installing new underground electrical cables between 132 Street and 135 Street and removing sections of above ground power line. Work in the area will also include the installation of new power poles, replacing existing power poles and stringing new above ground power cables on existing infrastructure.



ZONE E: STONY PLAIN ROAD FROM 139 STREET TO 156 STREET

Work Completed in 2021
Relining of sewer pipes has been completed in various areas.

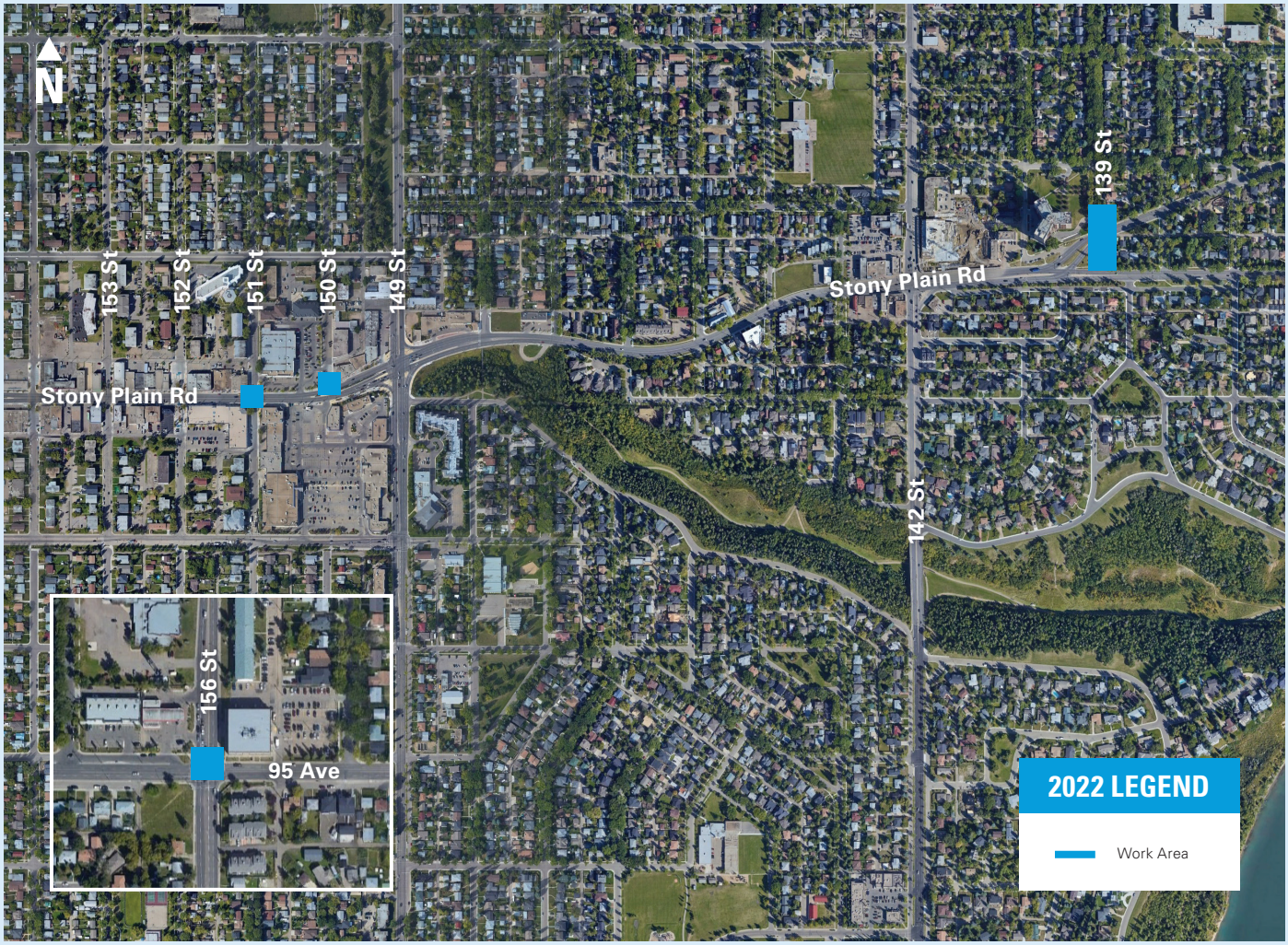
2022 Work

Drainage – Open-Trench Excavation & Relining
New drainage manholes will be constructed at the following locations followed by relining:

- Stony Plain Road and 150 Street
- Stony Plain Road and 151 Street
- 95 Avenue and 156 Street

Water – Water Main Relocation
Water main replacement work will occur on Stony Plain Road at 139 Street.

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.



ZONE F: 87 AVENUE FROM 156 STREET TO 184 STREET

Work Completed in 2021

Water main relocation work has been completed along 87 Avenue from 165 Street to 163 Street.

New underground electrical cables have been installed and existing above ground infrastructure has been replaced at the intersection of 178 Street and 87 Avenue.

2022 Work

Drainage – Open-Trench Excavation & Relining

New drainage manholes will be constructed at the following locations followed by relining:

- 87 Avenue and 159 Street
- 87 Avenue and 182 Street

Water – Water Main Relocation & Hydrant Relocation

Water main relocation work will occur at 159 Street and 87 Avenue. Hydrant relocation work will occur along 87 Avenue between 161 and 163 Street.

Power – Directional Drilling

New underground electrical cables will be installed and existing above ground infrastructure will be replaced along 160 Street.

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

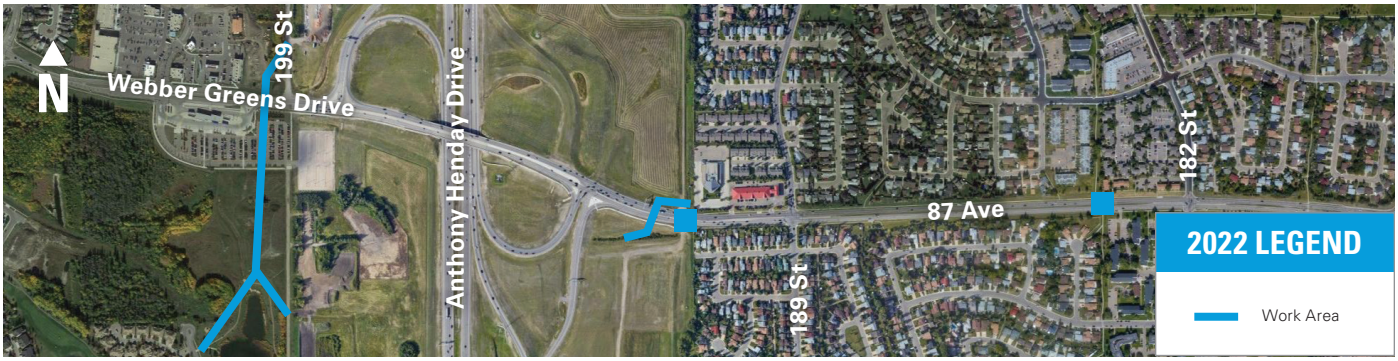
2022 Work

Water – Open-Trench Excavation

New water infrastructure will be installed on 87 Avenue at 183 Street and 190 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.



MORE INFORMATION

For more information on EPCOR construction covered in this notice:

Phone: 780-412-4200
Email: EPCORprojects@epcor.com
Website: epcor.com/valleyline

For all zone project notices, visit epcor.com/valleyline.

For general information on the City of Edmonton's Valley Line West LRT Project:

Phone: 780-496-4874
Email: lrtprojects@edmonton.ca
Website: edmonton.ca/valleylinewest