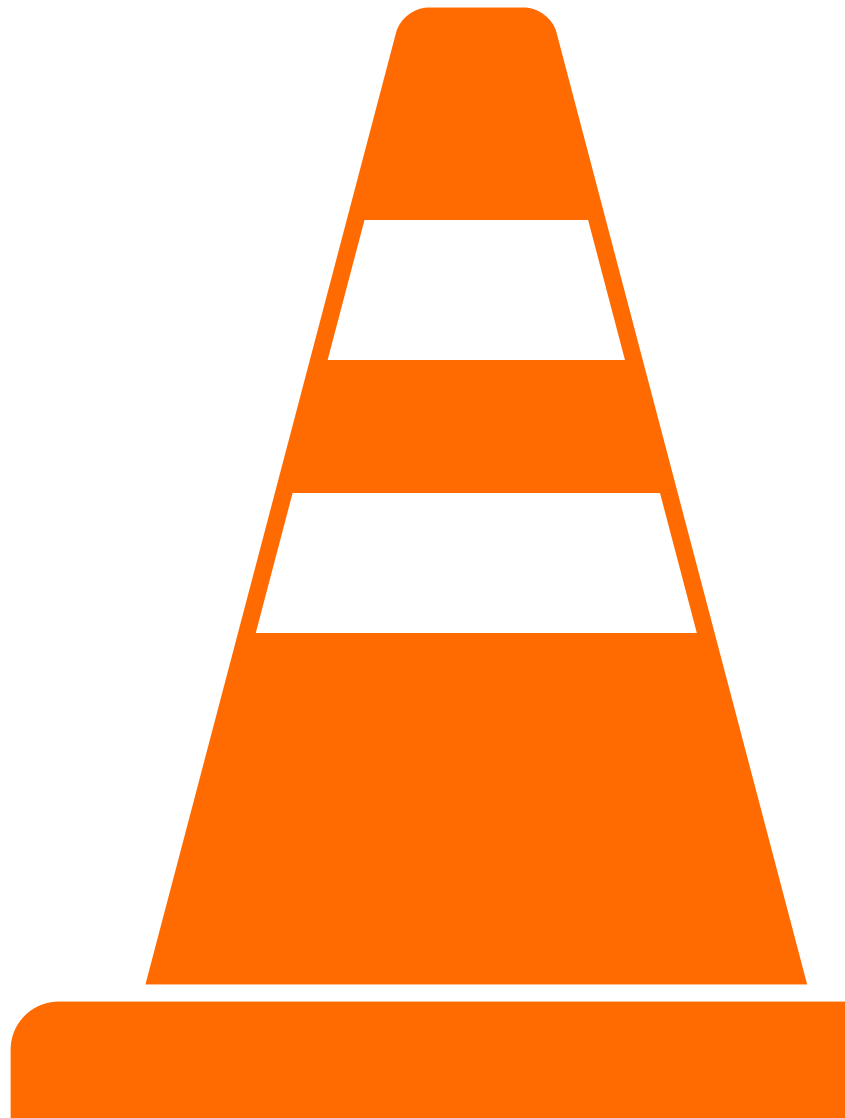


# 2022

# Construction Forecast



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# Welcome

The City of Saskatoon Construction and Design Department is pleased to present the 2022 Construction Forecast. This is a preview of upcoming projects that contractors will have the opportunity to submit tenders for once they are open. Some sections also include highlights from the 2021 construction season.

The 2022 Construction Forecast includes planned projects lead by various City of Saskatoon departments including Construction and Design, Parks, Saskatoon Land and Transportation. It also contains important safety messages, and information about the City's procurement process including Indigenous Procurement and Engagement.

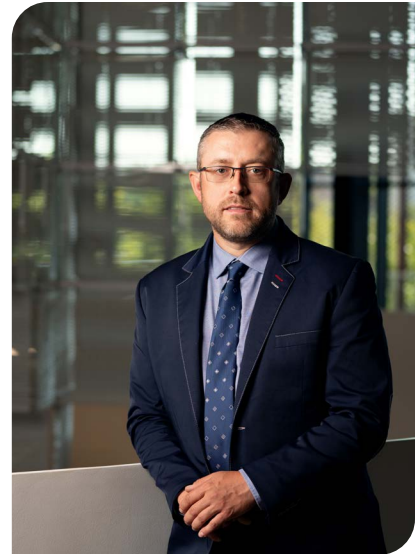
If you have any questions about the projects, please refer to the contact information on each project page. Please note that at this point, all projects are tentative and subject to change.

It is our hope to resume our annual Construction Forecast Breakfast in 2022 so that we can once again enjoy in-person collaboration.

Sincerely,

**Matt Jurkiewicz**

*Director, Construction and Design*



## Land Acknowledgment

**We acknowledge that our community is located on Treaty 6 Territory and the Traditional Homeland of the Métis.**

Indigenous people of primarily Cree, Dakota and Saulteaux descent have called Saskatoon home for thousands of years. Today, Saskatoon is home to Indigenous people from a diversity of cultures and language groups.

The City of Saskatoon recognizes the distinct order of government of First Nations and Métis and is committed to maintaining strong relationships through meaningful dialogue with Indigenous communities and organizations.

Strengthening cooperation and mutual support by working in partnership with Indigenous communities toward respective community goals and objectives is vital to fostering more inclusive communities.



## SUPPLY CHAIN MANAGEMENT

# Purchasing Services

## CONTACT

**Ruth Busby**

*Purchasing Manager*

☎ 306-975-2600

✉ [ruth.busby@saskatoon.ca](mailto:ruth.busby@saskatoon.ca)

Supply Chain Management is gearing up for another busy construction season in 2022. Projects will be competitively bid using either a low bid or best value approach.

There are a number of procurement templates used by the City and all our RFx templates can be viewed at: [saskatoon.ca/procurementpolicy](https://saskatoon.ca/procurementpolicy)

The templates all follow a similar format, and will define important dates, specifications, and submission requirements. Here are a few of the most frequently used for construction:

### **Request for Quotation (RFQ) – Low Bid Version**

This format is for use in invitational competitions and simplified open competitions for the procurement of standard goods, services or construction on the basis of *lowest price* and standardized contract terms that will not require negotiation.

### **Request for Quotation (RFQ) – High Score Version**

This format is for use in invitational competitions and simplified open competitions for the procurement of standard goods, services or construction on the basis of *straightforward high-score evaluation criteria* and standardized contract terms that will not require negotiation.

### **Invitation to Tender (ITT)**

This format is for use in an open competition for the procurement of goods or construction where there is a need for legally binding, irrevocable bids, typically supported by bid security, and price is the primary consideration. This format must include well-defined specifications, requirements and contract terms and conditions, as post-bid negotiations are typically not permitted.

In 2020 the City of Saskatoon partnered with Biddingo and adopted eBidding to eliminate the waste and inefficiencies of paper-based and email bid submission processes.

Biddingo and eBidding enhance industry access, reduce the risk of non-compliant or late bid submissions, and make our bidding process more secure and efficient throughout the entire lifecycle of the RFx.

The City has its own Biddingo landing page at: [biddingo.com/saskatoon](https://biddingo.com/saskatoon) and registration is free! Once registered, you can download documents and addenda, submit responses, and receive email notice of procurement opportunities relevant to your business.

The City will post all bid results and award notices to Biddingo. Results are published on the original procurement, under Bid Award.

## Indigenous Procurement Protocol

The City considers Indigenous Participation when conducting procurement activities. The Indigenous Participation evaluation criteria rewards vendors for actions that add social value. The intent is to:

- Support positive outcomes through thoughtful planning, consultation, and an understanding of cultural and community practices.
- Encourage innovation in procurement, recognizing that every procurement is unique.
- Invest more time and involve Indigenous communities in planning, where appropriate, to benefit program and service-delivery outcomes.
- Undertake ongoing consultation and communication with the Indigenous communities.

The City's Indigenous Procurement Protocol and Specification provides guidelines and sets out the roles and responsibilities to support Indigenous Procurement. This protocol should be read in conjunction with the City's Purchasing Policy.

For the City of Saskatoon, a Diverse Supplier means any business or enterprise that is more than 50% owned, managed and controlled by persons belonging to a group that experiences discrimination or barriers to equal opportunity including women, Indigenous people, persons with disabilities, new immigrants, LGBTQ2S+ people, visible minorities, and other groups the City identifies as historically under-represented.

### **Indigenous procurement and employment is the key to economic prosperity in Saskatchewan and Saskatoon for several reasons, including:**

- It's a necessity: Statistics Canada projects that Indigenous people will constitute up to 19% of Saskatchewan's population and workforce by 2041.
- It's becoming key to competitiveness and profitability.
- In the next few decades, we'll see a record number of retirees. The young Indigenous population presents the answer to this challenge.

### **The following tips are helpful in ensuring a successful submission:**

**Register in Biddingo** and take advantage of any training Biddingo has to offer.

**Review all documents** to ensure understanding and clarity.

**Ask questions** during a competition, ensuring they are submitted prior to the deadline for questions using Biddingo.

**Follow submission instructions** to ensure submission requirements have been met.

**Don't wait** until the last minute to submit your response.

# Land Development

## 2022 Projects

### Kensington A3 Water & Sewer Antonini & Nightingale

#### KEY QUANTITIES

Linear metres  
of pipe: **2,265**

#### KEY TEAM MEMBERS

Project Engineer: Adam Coates  
Inspector: Travis Hartman  
Surveyor: Ron Flynn  
Drafter: Son Tran / Louise Wu

### Kensington A3 Roadways Antonini

#### KEY QUANTITIES

Linear metres of road: **320**

#### KEY TEAM MEMBERS

Project Engineer: Adam Coates  
Inspector: Cole Hamm  
Surveyor: Ron Flynn  
Drafter: Kent Ness

## CONTACT

### Adam Coates

Project Engineer

☎ 306-986-3687

✉ adam.coates@saskatoon.ca

## 2021 Project Highlights

### Kensington A3 Area Grading, Pond Construction



#### KEY QUANTITIES

Linear metres of pipe: **180**

Cubic metres of earth moved: **80,000**

#### PROJECT HIGHLIGHTS

Large diameter storm sewer stubs were installed as part of this project. They will be connected to future phases of development.

#### KEY TEAM MEMBERS

Project Engineer: Adam Coates  
Inspector: Travis Hartman  
Surveyor: Ron Flynn  
Drafter: Hervey Lumictin  
Contractor: Thomcat

2021 Project Highlights (cont.)

## Aspen Ridge C1 AG, W&S



### KEY QUANTITIES

Linear metres of pipe:	<b>3,500</b>
Cubic metres of earth moved:	<b>270,000</b>

### PROJECT HIGHLIGHTS

Topsoil and clay were moved off site to stockpiles prior to water and sewer construction for 122 residential lots.

### KEY TEAM MEMBERS

Project Engineer:	<b>Adam Coates</b>
Inspector:	<b>Trevor Deepel</b>
Surveyor:	<b>Jesse Becker</b>
Drafter:	<b>Hervey Lumictin</b>
Contractor:	<b>KPCL</b>

## Brighton D2 W&S



### KEY QUANTITIES

Linear metres of pipe:	<b>1,500</b>
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### PROJECT HIGHLIGHTS

Excavations greater than five metres were required to install the sanitary sewer. A water main and large diameter concrete pipes were also installed.

### KEY TEAM MEMBERS

Project Engineer:	<b>Adam Coates</b>
Inspector:	<b>Dean Visser / Neil Leibel</b>
Surveyor:	<b>Karl Schroeder</b>
Drafter:	<b>Son Tran / Dawn Haubrich</b>
Contractor:	<b>Hamm</b>

## Land Development

### 2022 Projects

#### Marquis 9 Water & Sewer

##### KEY QUANTITIES

Linear metres of pipe: **1,260**

##### KEY TEAM MEMBERS

Project Engineer:	Dayna Johnson
Inspector:	Hervey Lumictin
Surveyor:	Phil Dobrohoczki
Drafter:	Louise Wu

#### Marquis 9 Roadways

##### KEY QUANTITIES

Linear metres of road: **420**

##### KEY TEAM MEMBERS

Project Engineer:	Dayna Johnson
Inspector:	Jordan Brickner
Surveyor:	Phil Dobrohoczki
Drafter:	Amanda Penton

## CONTACT

### Dayna Johnson

*Project Engineer*

☎ 306-975-2739

✉ dayna.johnson@saskatoon.ca

#### Marquis 11A2 Roadways & Wanuskewin Intersection

##### KEY QUANTITIES

Linear metres of road: **475**

##### KEY TEAM MEMBERS

Project Engineer:	Dayna Johnson
Inspector:	Jordan Brickner / Kyle Pikaluk
Surveyor:	Phil Dobrohoczki
Drafter:	Paige Ziprick

#### Aspen Ridge C1 Roadways

##### KEY QUANTITIES

Linear metres of road: **1,075**

##### KEY TEAM MEMBERS

Project Engineer:	Dayna Johnson
Inspector:	Cole Hamm
Surveyor:	Jesse Becker
Drafter:	Kent Ness



## CONTACT

### Devon Parker

Project Engineer

☎ 306-986-0139

✉ devon.parker@saskatoon.ca

CONSTRUCTION AND DESIGN

**Land Development**

## 2022 Projects

### McOrmond Dr. Arterial

Southbound 2 lanes between  
Brighton Common and 8th St.

#### KEY QUANTITIES

Linear metres of road:	<b>1,600</b>
Linear metres of separate walk:	<b>1,600</b>
Linear metres of bike lane:	<b>1,600</b>

#### KEY TEAM MEMBERS

Project Engineer:	<b>Devon Parker</b>
Inspector:	<b>Jake Mickelson</b>
Surveyor:	<b>Karl Schroeder</b>
Drafter:	<b>Jasmohan Singh</b>

### Acadia Dr. Primary Water Main

from pumphouse to Taylor St.

#### KEY QUANTITIES

Linear metres of pipe:	<b>200</b>
------------------------	------------

#### KEY TEAM MEMBERS

Project Engineer:	<b>Devon Parker</b>
Inspector:	<b>Neil Leibel</b>
Surveyor:	<b>Jesse Becker</b>
Drafter:	<b>Hervey Lumictin / Louise Wu</b>

## Responding to TRC Calls to Action

In 2015, the Truth & Reconciliation Commission (TRC) released its report with 94 Calls to Action. Saskatoon City Council responded by adopting and implementing the relevant Calls to Action (those within the City's jurisdiction), and making a commitment to work with community groups to promote reconciliation.

#### Call to Action #92 states the following:

- Commit to meaningful consultation, building respectful relationships, and obtaining the free, prior, and informed consent of Indigenous peoples before proceeding with economic development projects.
- Ensure that Indigenous people have equitable access to jobs, training, and education opportunities in the corporate sector, and that Indigenous communities gain long-term sustainable benefits from economic development projects.



## Land Development

### 2021 Project Highlights

#### Brighton D1 Roadways

##### KEY QUANTITIES

Linear metres of road:	<b>1679</b>
Linear metres of curb and walk:	<b>938</b>

##### PROJECT HIGHLIGHTS

Brighton D1A subdivision was completed and prepared for housing development.

##### KEY TEAM MEMBERS

Project Engineer:	<b>Devon Parker</b>
Inspector:	<b>Jake Mickelson</b>
Surveyor:	<b>Karl Schroeder</b>
Drafter:	<b>Jasmohan Singh</b>
Contractor:	<b>ASL</b>

#### McOrmond Drive Trunks and Primary Water Main

##### KEY QUANTITIES

Linear metres of pipe:	<b>3,425</b>
Cubic metres of earth moved:	<b>1,027,160</b>

##### PROJECT HIGHLIGHTS

One and a half subdivisions were fully serviced.

8th St commercial district serviced for overland drainage and prepared for local servicing.

##### KEY TEAM MEMBERS

Project Engineers:	<b>Devon Parker</b> <b>Jankit Patel</b>
Inspectors:	<b>Dean Visser</b> <b>Neil Leibel</b>
Surveyor:	<b>Karl Schroeder</b>
Drafters:	<b>Son Tran</b> <b>Hervey Lumictin</b>
Contractor:	<b>Hamm</b>

#### Aspen Ridge B1 Roadways

##### KEY QUANTITIES

Linear metres of road:	<b>2,512</b>
------------------------	--------------

##### KEY TEAM MEMBERS

Project Engineer:	<b>Devon Parker</b>
Inspector:	<b>Jake Mickelson</b>
Surveyor:	<b>Jesse Becker</b>
Drafter:	<b>Jasmohan Singh</b>
Contractor:	<b>ASL</b>

##### PROJECT HIGHLIGHTS

Top lift fully installed and concrete deficiencies taken care of.



## Crystalline Silica Dust Hazards and Controls

### KNOW

Crystalline silica dust (silica dust) is a component in sand, rock, concrete, brick, mortar, and other construction materials. Silica dust can cause Silicosis, a serious and irreversible lung disease. It can also cause lung cancer. Anyone frequently exposed to silica dust is at a greater risk of the long-term health effects.



Any construction activity that creates airborne silica will expose workers to this hazard. When construction activities are taking place in a residential or public area, airborne silica will also cause a hazard to the public. Safety is everyone's responsibility and everything reasonably possible needs to be done to protect workers and the public who may be affected by construction activities.

The most common construction materials that City workers and contractors will encounter that contains silica is concrete and asphalt. Silica is a by-product of the materials that make up the concrete and asphalt and is released when dust is produced from these materials during construction. Some examples of construction activities that will create silica dust when working with concrete or asphalt are: chipping, sawing, grinding, hammering, drilling, dry sweeping, pressurized air blowing, loading, and dumping.

### ACT

Putting controls in place that will reduce the risk of exposure to silica dust is a requirement as stated in the *OH&S Regulations, 2020* under section 7-13 Exposure to Hazardous Substances. The following are examples of controls that can be put in place when this work is being done.

#### Engineering Controls

- Use water to prevent dust from becoming airborne, or;
- Use a dust collector. The dust collectors should either be attached to the saw, or used in a way that prevents the dust from becoming airborne.

#### Administrative Controls

- Develop and follow a safe work procedure for dealing with silica dust that includes exposure control for workers and controls that protect the public.
- Use Personal Protective Equipment.
- Use proper respirators, eye wear, and protective clothing.

Whichever controls are used, they must adequately control the crystalline silica dust hazard.

CONSTRUCTION AND DESIGN

## Land Development

## CONTACT

**Jankit Patel**

*Project Engineer*

☎ 306-975-2696

✉ jankit.patel@saskatoon.ca

### 2022 Projects

## Faithfull Avenue Trunks and Primary Water Main



### KEY QUANTITIES

Linear metres of water and sanitary sewer: **1,800**

Linear metres of storm sewer: **1,200**

Cubic metres of earth that will be moved: **95,000**

### KEY TEAM MEMBERS

Project Engineer:	Jankit Patel
Inspectors:	Dean Visser & Neil Leibel
Surveyor:	Phil Dobrohoczki
Drafter:	Son Tran

### 2021 Project Highlights

## Hampton Business Park Sanitary Sewer Trunk



### KEY QUANTITIES

Linear metres of sanitary sewer: **315.6**

Cubic metres of earth moved: **15,000**

### KEY TEAM MEMBERS

Project Engineer:	Jankit Patel
Inspectors:	Evan Sears & Jordan Brickner
Surveyor:	James Olfert
Drafter:	Janel Fernandez
Contractor:	Hamm

## CONTACT

### Josh Quintal

Senior Project Management Engineer

☎ 306-975-3525

✉ joshua.quintal@saskatoon.ca

CONSTRUCTION AND DESIGN

## Land Development

### 2022 Projects

#### 2022/2023 Sidewalk Warranty

##### KEY QUANTITIES

Linear metres  
of sidewalk: **1,500**

##### KEY TEAM MEMBERS

Project Engineer: **Nathalie Baquerizo**  
Inspector: **Jordan Brickner**

#### Aspen Ridge B1 Roadways Dattani & McCrory

##### KEY QUANTITIES

Linear metres of road: **450**

##### KEY TEAM MEMBERS

Project Engineer: **Nathalie Baquerizo**  
Inspector: **Cole Hamm**  
Surveyor: **Jesse Becker**  
Drafter: **Paige Ziprick**

#### Central Ave. Pathway

##### KEY QUANTITIES

Linear metres  
of pathway: **500**

##### KEY TEAM MEMBERS

Project Engineer: **TBD**  
Inspector: **Jake Mickelson**  
Surveyor: **Jesse Becker**  
Drafter: **Jaimie Wright**

## Land Development

### 2021 Project Highlights

#### Recovery Park AG and Roadways - Phase I



##### KEY QUANTITIES

Linear metres  
of road: **750**

Cubic metres  
of earth moved: **14,000**

##### PROJECT HIGHLIGHTS

New road will provide public access around the future Recovery Park facility.

##### KEY TEAM MEMBERS

Project Engineer: **Miguel Gaudet**  
Inspector: **Kyle Pikaluk**  
Surveyor: **Phil Dobrohoczki**  
Drafter: **Jane Litterick**  
Contractor: **Lafarge**

#### COLT - City Yards AG 88 King Street

##### KEY QUANTITIES

Square metres of  
parking surface  
completed: **3,750**

Linear metres of pipe: **175**

Cubic metres of  
earth moved: **14,000**

##### PROJECT HIGHLIGHTS

Recycled Asphalt Pavement (RAP) was used to pave, freeing up funds to complete the east parking lot.

##### KEY TEAM MEMBERS

Project Engineer: **Miguel Gaudet**  
Inspector: **Evan Sears**  
Surveyor: **Phil Dobrohoczki**  
Drafters: **Wade Thomas**  
**Janel Fernandez**  
Contractor: **ASL**

#### 2019/2020 Sidewalk Warranty

##### KEY QUANTITIES

Linear metres  
of sidewalk: **1,110**

##### PROJECT HIGHLIGHTS

Quantity and quality of sidewalks and curbs completed met City's expectations.

##### KEY TEAM MEMBERS

Project Engineer: **Tayeb Abdulaziz**  
Inspector: **Jordan Brickner**  
**Cole Hamm**  
Contractor: **Petrocare**

## CONTACT

### Kalyna Livingstone

Engineer I

☎ 306-975-2696

✉ kalyna.livingstone@saskatoon.ca

CONSTRUCTION AND DESIGN

**Land Development**

## 2022 Projects

### Neault Rd. Area Grading, Storm Sewer

#### KEY QUANTITIES

Linear metres of storm sewer:	<b>750</b>
Cubic metres of earth moved:	<b>150,000</b>

#### KEY TEAM MEMBERS

Project Engineer:	<b>Kalyna Livingstone</b>
Inspector:	<b>Travis Hartman</b>
Surveyor:	<b>James Olfert</b>
Drafter:	<b>Son Tran</b>

### Neault Rd. Arterial Southbound Lanes

#### KEY QUANTITIES

Linear metres of road:	<b>1,700</b>
Linear metres of asphalt pathway:	<b>1,700</b>

#### KEY TEAM MEMBERS

Project Engineer:	<b>Kalyna Livingstone</b>
Inspector:	<b>Travis Hartman / Cole Hamm</b>
Surveyor:	<b>James Olfert</b>
Drafter:	<b>Jasmohan Singh</b>

## Council Priority: **REDI** (Reconciliation, Equity, Diversity, Inclusion)

The 2022-2025 Strategic Plan identifies REDI as a Council Priority, with the goal of fostering meaningful organizational and policy change to eliminate institutionalized and systemic racism.

#### This means:

- The City's workforce and contracted partners need to be reflective of the population of Saskatoon.
- Recognizing the importance of external expertise and lived experience.
- Addressing barriers to participation.
- Creating and sustaining ongoing relationships with under-represented groups.
- Updating practices in ways that support inclusivity.





# Land Development

## 2021 Project Highlights

### Neault Road Primary Water Main - Phase II



#### KEY QUANTITIES

Linear metres of 600 mm primary water main:	<b>470</b>
Linear metres of storm sewer:	<b>150</b>

#### PROJECT HIGHLIGHTS

The project included fully excavating the road in five locations to install the pipes across.

A primary water main was installed to service the future Blairmore sector.

#### KEY TEAM MEMBERS

Project Engineer:	<b>Kalyna Livingstone</b>
Inspector:	<b>Travis Hartman</b>
Surveyor:	<b>James Olfert</b>
Drafter:	<b>Son Tran</b>
Contractor:	<b>ABS Excavating</b>

### Aspen Ridge B2A/B Roadways

#### KEY QUANTITIES

Linear metres of road:	<b>2,322</b>
Linear metres of sidewalk:	<b>4,300</b>

#### PROJECT HIGHLIGHTS

Completed construction on local and collector roadways.

#### KEY TEAM MEMBERS

Project Engineer:	<b>Kalyna Livingstone</b>
Inspector:	<b>Cole Hamm</b>
Surveyor:	<b>Jesse Becker</b>
Drafter:	<b>Jasmohan Singh</b>
Contractor:	<b>Lafarge</b>



# Roadways Preservation

## 2022 Projects

### Pre Micro Patching

#### KEY QUANTITIES

Lane-km	66
---------	----

### Microsurfacing

#### KEY QUANTITIES

Lane-km	71
---------	----

### Asphalt Overlays

#### KEY QUANTITIES

Lane-km	14
---------	----

### Resurfacing

#### KEY QUANTITIES

Lane-km	80
---------	----

## CONTACT

### Andy McMeekin

Senior Project Management Engineer

☎ 306-986-0888

✉ andy.mcmeekin@saskatoon.ca

### Paved Back Lane Rehab

#### KEY QUANTITIES

Lane-km	4
---------	---

### Channelization/Traffic Calming

#### KEY QUANTITIES

Planning for approx. **15 locations** to be completed in 2022.

### Pedestrian Ramp installation outside of Building Better Roads program

#### KEY QUANTITIES

**300** potential locations over two years.

## ConnectR: Economic Reconciliation

Reconciliation Saskatoon is a community of over 115 organizations, non-profits, businesses, and partners who work together to maintain a citywide conversation about Reconciliation and provide opportunities for Saskatoon residents to engage in the TRC Calls to Action.

On Sept. 22, 2021, the Reconciliation Saskatoon Business Engagement Action Group hosted an information session on Economic Reconciliation. Indigenous and non-Indigenous speakers shared their experiences and wisdom for moving forward.

▶ [Watch the info session.](#)



Roadways Preservation

2021 Project Highlights

Resurfacing



KEY QUANTITIES

Lane-km of roadway **33**

PROJECT HIGHLIGHTS

Paved EB College Drive/HWY 5 from Central Avenue to City limits.

KEY TEAM MEMBERS

Contractor: **Lafarge**

Channelization/Traffic Calming



KEY QUANTITIES

Installed **more than 100** traffic calming and safety-related measures at various locations throughout the city.

PROJECT HIGHLIGHTS

Included \$3.3M in funding through the Municipal Economic Enhancement Program (MEEP).

KEY TEAM MEMBERS

Contractors: **Sautner Concrete  
TMonz Concrete  
Conco Concrete**

## Roadways Preservation

### 2021 Project Highlights (cont.)

#### Microsurfacing

##### KEY QUANTITIES

Completed approximately **65** lane-km.

##### KEY TEAM MEMBERS

Contractors: **Wescan**  
**Prairie Paving**

#### Concrete Preservation

##### KEY QUANTITIES

Completed **over 25** lane-km of concrete replacement/preservation.

##### PROJECT HIGHLIGHTS

Larger program than normal due to stimulus spending.

##### KEY TEAM MEMBERS

Contractors: **City Asphalt**  
**RNC**  
**Acadia**  
**Firma**  
**Proslab**  
**Petrocare**  
**Lafarge**  
**Sautner Concrete**

#### Asphalt Overlays

##### KEY QUANTITIES

Completed approximately **14** lane-km.

##### KEY TEAM MEMBERS

Contractor: **Northern Blacktop**

#### Roadside Safety Systems



##### KEY QUANTITIES

Installed and replaced approximately **2,000** metres of guard rail.

##### PROJECT HIGHLIGHTS

Guard rail upgrades on Circle Drive and Idylwyld Drive.

##### KEY TEAM MEMBERS

Contractor: **Acadia Construction**



## Consistency in Safety: Temporary Traffic Control

### KNOW

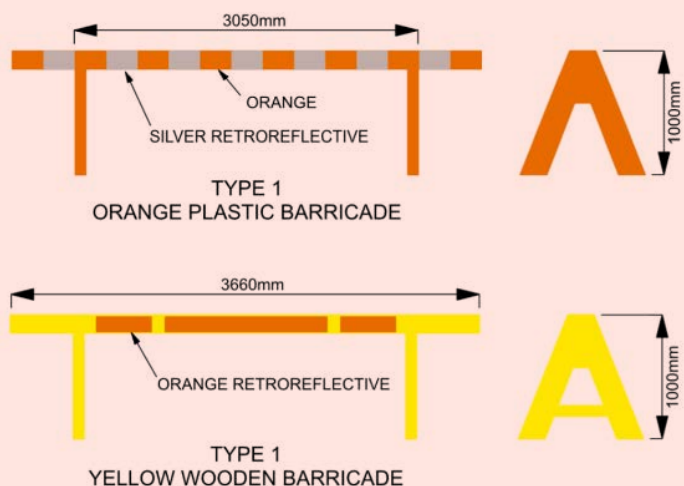
“Safety in all that we do” is a core value at the City of Saskatoon. In the Construction and Design Department, one of the ways that we demonstrate this is by confirming contractor health and safety competencies.

The standard that has been set is that all contracting companies must follow *The Occupational Health and Safety Regulations 2020*, The [Traffic Control Manual](#), and Safe Work manuals for tools and safety equipment. Consistency during site assessments is key for maintaining the safe work culture that Construction and Design has worked to establish and maintain.

The following are examples of minimum safety standards that have presented the greatest consistency challenges from site to site in traffic control. Please use the following as a guide for planning and assessing work. This guide does not include all safety standards that need to be followed, only the ones that are most commonly missed. For a more detailed layout and check list of each bullet point please see the [Safety Checklist Sheet](#).

The City of Saskatoon Temporary Traffic Control Manual (TTCM) is used as a reference so that we can maintain a consistent message when it comes to traffic control. The following are some highlights from the manual:

- Contractors must have a temporary traffic control plan (TTCP) for all work being done in the City of Saskatoon.
- The Contractor can create a TTCP and set it up themselves on local roads.
- The City of Saskatoon’s Transportation Department must create and set up any TTCPs for roadways classified above a local road.
- The correct traffic control material, signs, barricades, delineators, and flag person must be used on site.
- Keeping the work zone secure during periods of activity and inactivity.
- No work can be done outside of a controlled work zone, this includes the placement of stockpiles and equipment.



## CONSTRUCTION AND DESIGN

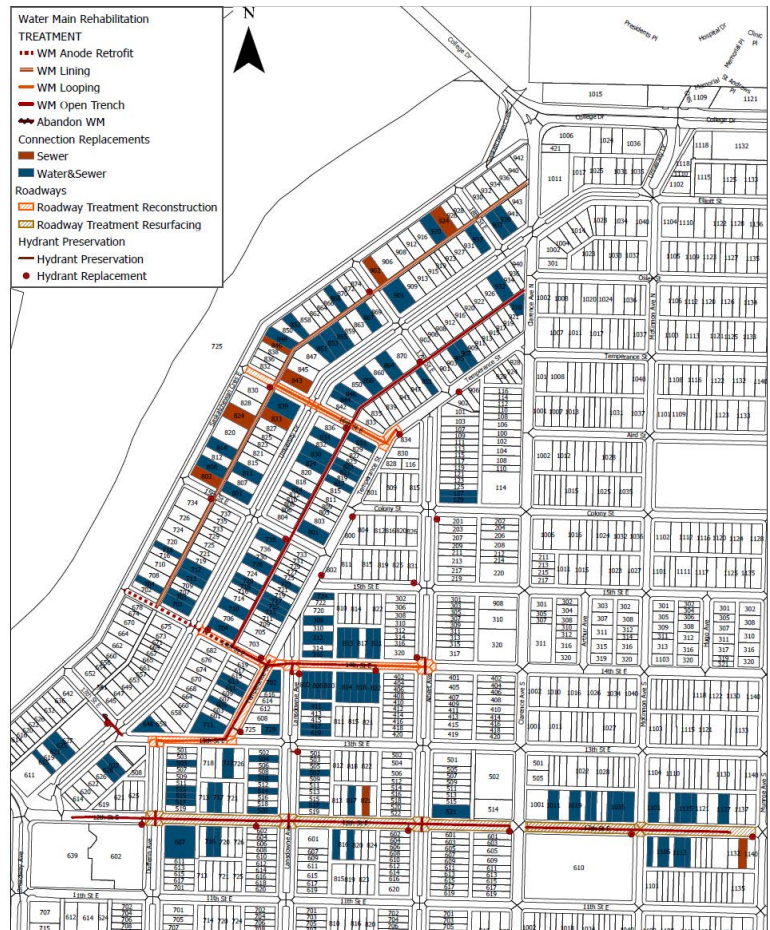
# Water and Sewer

### 2022 Project

## Nutana East & 12th Street Improvements

### KEY QUANTITIES

Open Trench:	1,800 m
Open Trench or Lining:	1,470 m
Connections:	158
Anodes:	175 m
Lane-km:	5.5



## CONTACT

### Sohrab Khan

Senior Project Management Engineer

306-361-4204

sohrab.khan@saskatoon.ca

## Saskatoon Tribal Council (STC) Employment Skills & Training

STC employment and skills training programming is delivered on reserve to the STC member nations and off reserve for First Nations residents of Saskatoon.

The overall goal of STC employment and skills training is to improve the quality of life for members, which is actively supported by STC Labour Force Development (LFD) Programs. STC LFD works closely with the Active Measures Program to ensure that the provision of:

- Necessary opportunities for employment success.
- Increased employment levels for First Nations.
- Decreased social dependence.
- Improved economic independence.
- Rural and urban labour force development.





## Water and Sewer

**2022 Project**

### Downtown Improvements

#### KEY QUANTITIES

Open trench: **750 m**  
Lane-km: **7**



### Council Priority: Economic Development

The 2022–2025 Strategic Plan identifies Economic Development as a Council Priority, and specifically supporting economic development strategies that continue to uphold Saskatoon’s reputation as a city widely recognized for its vibrant, inclusive economy.

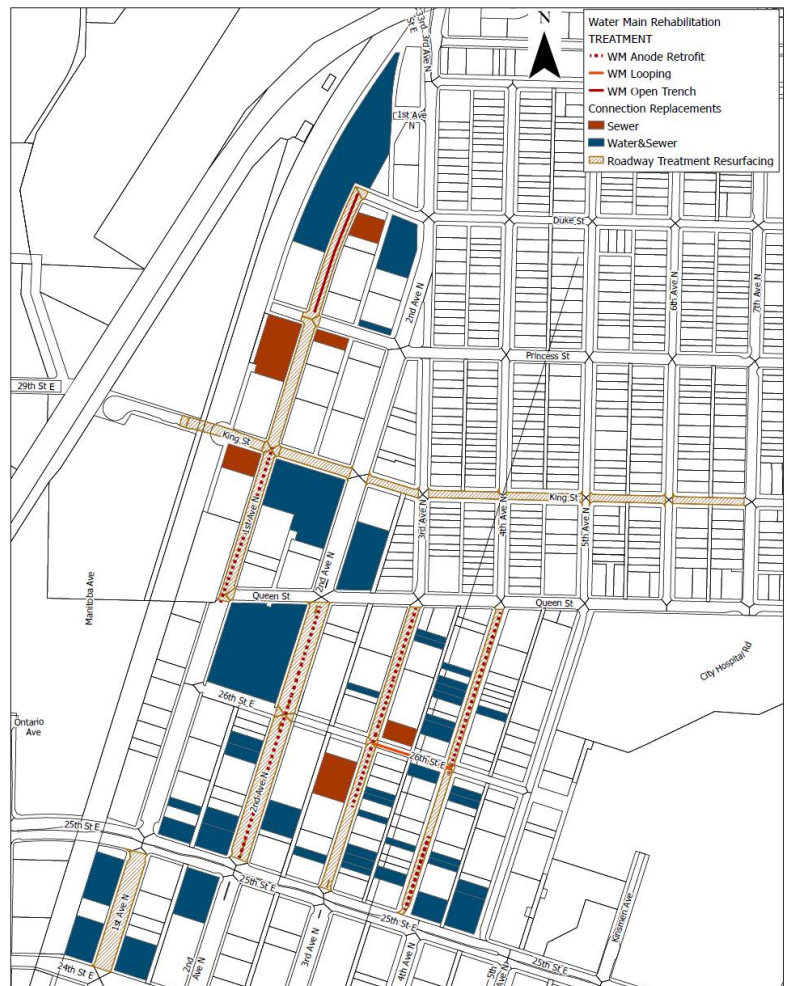
#### This means:

- Working with the Saskatoon Regional Economic Development Authority (SREDA), business entities, postsecondary institutions, Indigenous organizations, and all orders of government to support investments that generate enduring economic benefits.
- Looking for opportunities that result in increased revenue generation for Saskatoon, more job opportunities for residents, and a greater ability to invest in social and physical infrastructure and overall enhanced quality of life.
- Working with Indigenous leaders and SREDA’s Indigenous Economic Development Committee to determine how best to respond to TRC Calls to Action related to Indigenous business development.

**2022 Project****North Downtown Improvements\*****KEY QUANTITIES**

Open trench:	<b>260 m</b>
Connections:	<b>50</b>
Lane-km:	<b>9</b>
Anode retrofit:	<b>1,100 m</b>

*\*The North Downtown and Nutana / Buena Vista improvement projects will be tendered as one project.*



# Water and Sewer

2022 Project

## Nutana / Buena Vista Improvements\*

### KEY QUANTITIES

Open trench:	375 m
Connections:	47
Lane-km:	4
Anode retrofit:	180 m

\*The North Downtown and Nutana / Buena Vista improvements projects will be tendered as one project.



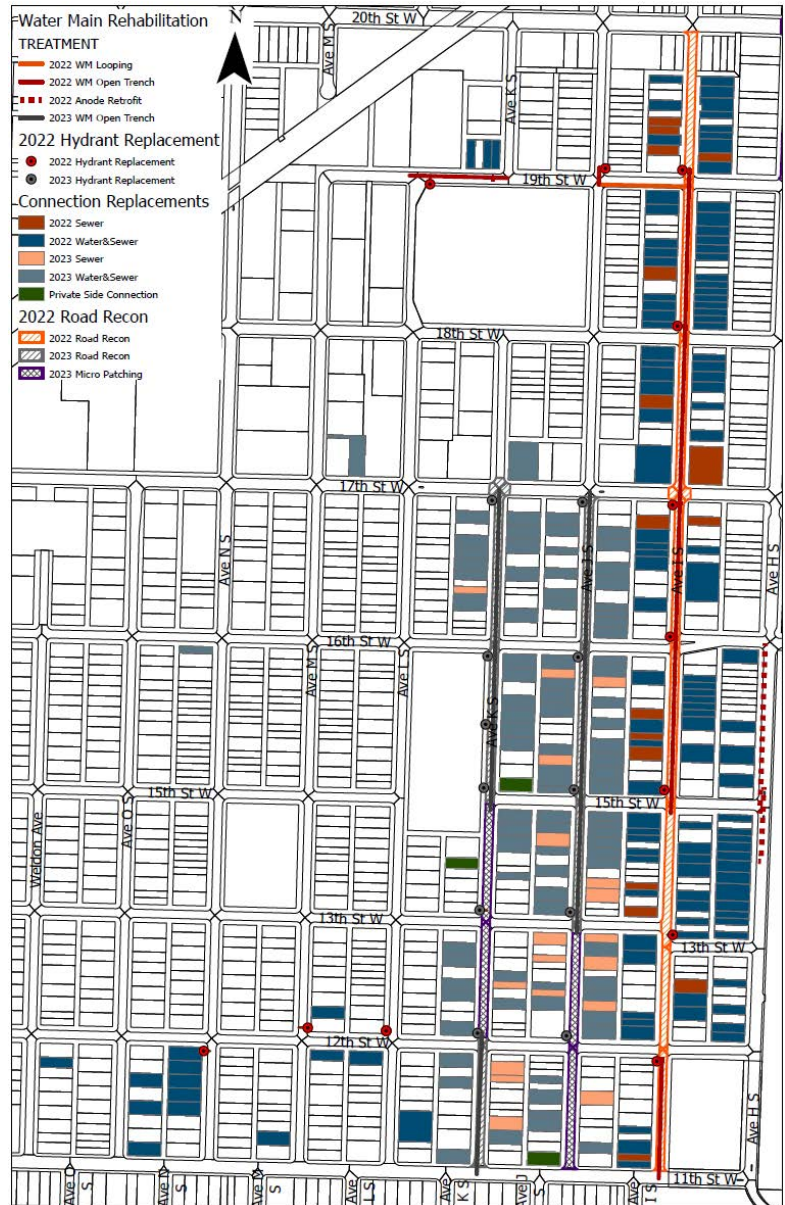


**2022 Project****King George Improvements****KEY QUANTITIES****2022**

Open trench:	<b>1,070 m</b>
Anode retrofit:	<b>375m</b>
Connections:	<b>142</b>
Lane-km:	<b>2.8</b>

**2023**

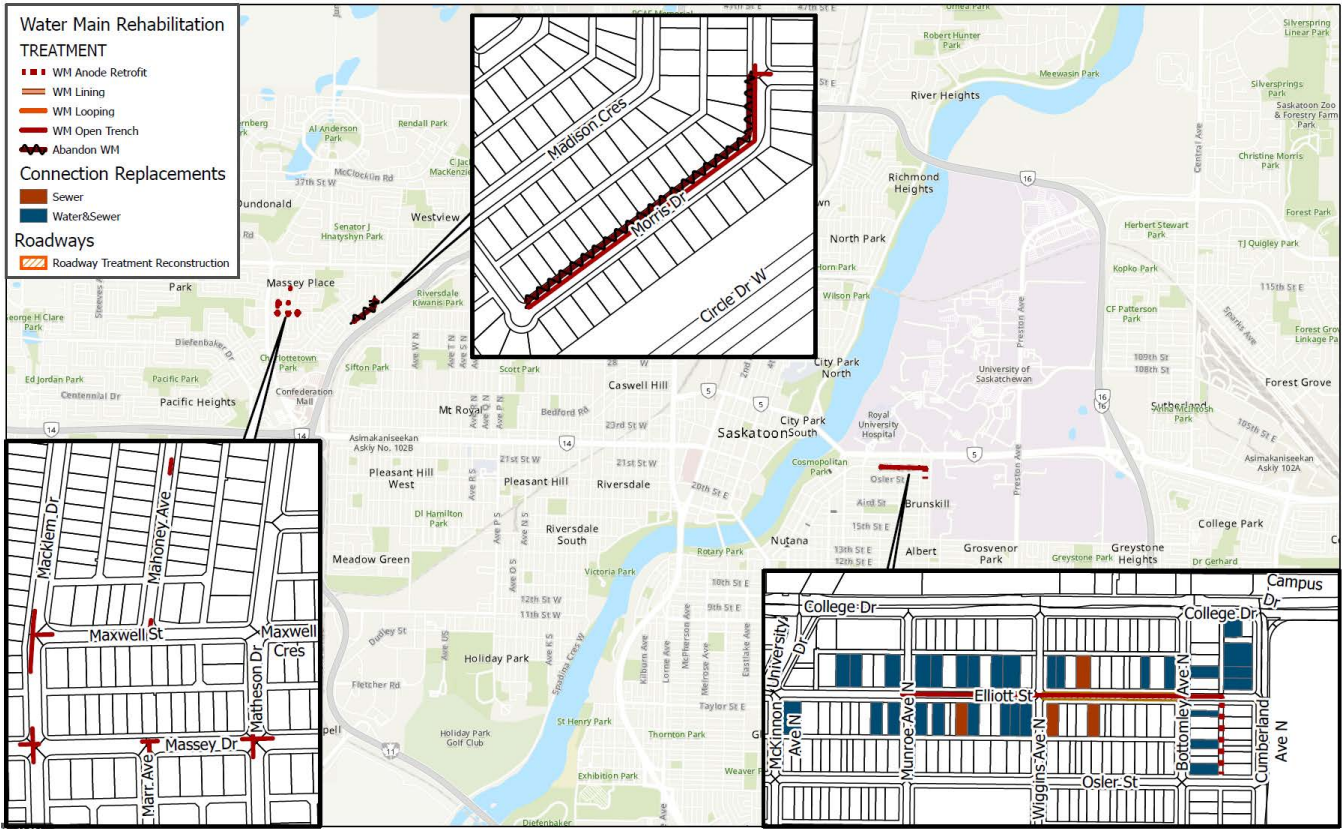
Open trench:	<b>1,000 m</b>
Connections:	<b>112</b>
Lane-km:	<b>3.6</b>



# Water and Sewer

2022 Project

## Water Main Replacement Project



### KEY QUANTITIES

Open trench:	1,250 m
Anodes:	100 m
Connections:	34
Lane-km:	0.5

**2022 Project****Water Main Replacement Project****KEY QUANTITIES**

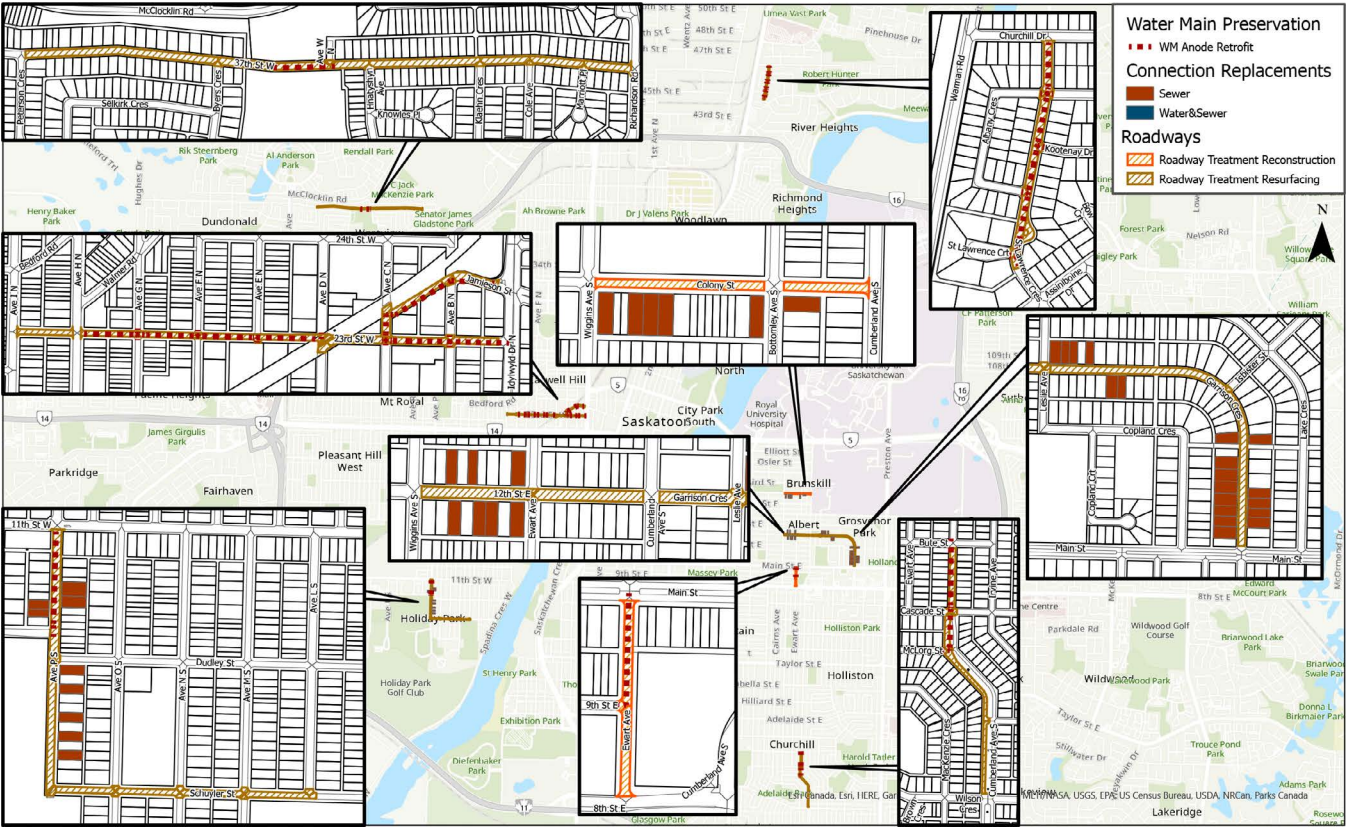
Open trench:	<b>960 m</b>
Anodes:	<b>150 m</b>
Connections:	<b>69</b>
Lane-km:	<b>7</b>



Water and Sewer

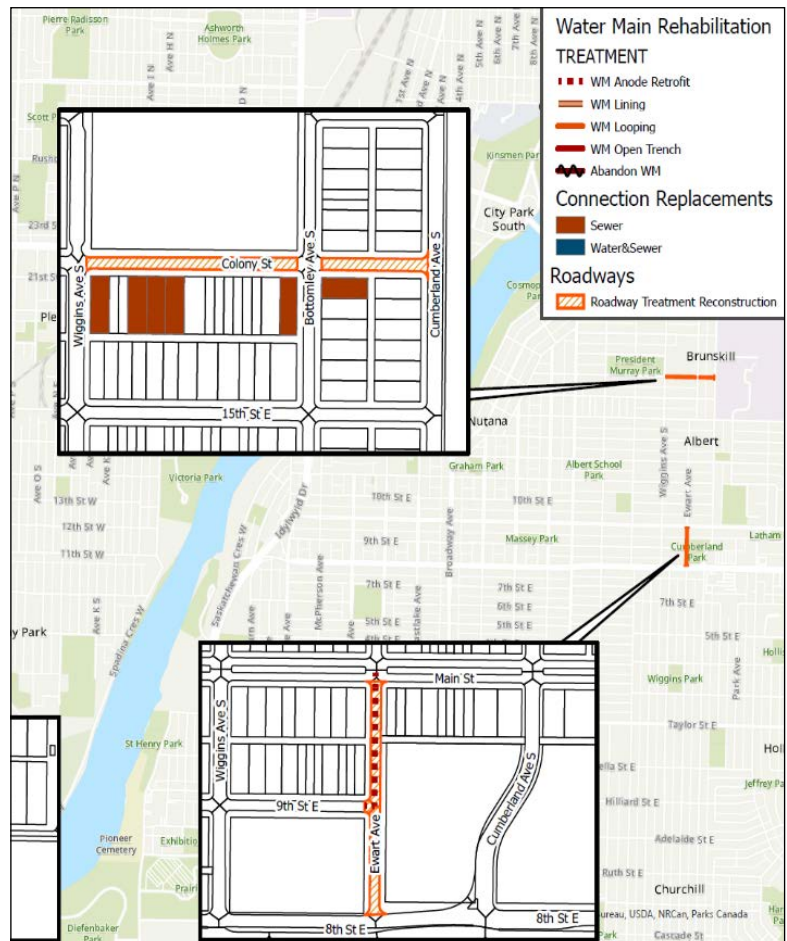
2022 Project

Resurfacing Project



KEY QUANTITIES

Anodes: 1,800 m  
Lane-km: 13

**2022 Project****Reconstruction Project****KEY QUANTITIES**Anodes: **150 m**Connections: **29**Lane-km: **2.5**

Water and Sewer

2022 Project

Churchill Park Dry Storm Pond



KEY QUANTITIES

Cubic metres of earth  
that will be moved: **35,000**

Metres of various size  
storm pipe installations: **900**

Landscaping, concrete, and  
roadways improvements.



**2021 Project Highlights****Quantities Completed in 2021 vs Tendered in 2021**

	2021 Tendered Quantities	2021 Completed Quantities
Water main replaced/rehab	<b>8,228 m</b>	<b>6,500 m</b>
Sanitary & storm sewer replaced/rehab/inspected	<b>15,000 m</b>	<b>15,200 m</b>
Short service connections	<b>818 each</b>	<b>503 each</b>
Roadway treatments under W&S	<b>45,000 l-m</b>	<b>34,591 l-m</b>

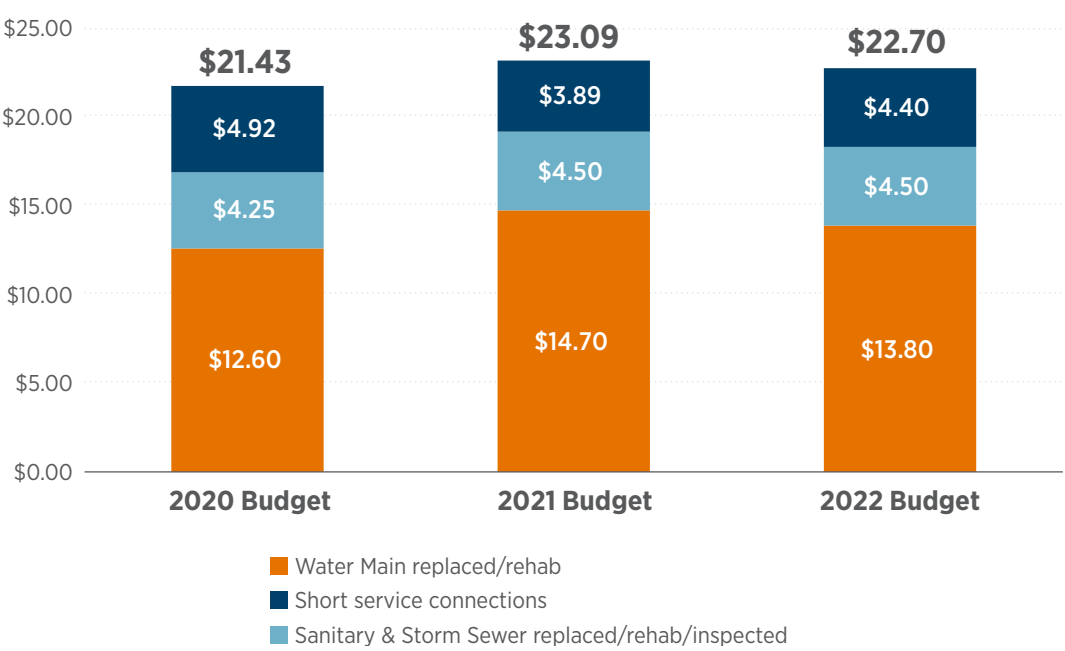
**Quantities will be Tendered in 2022**

	2020 Quantities	2021 Quantities	2022 Quantities
Water main replaced/rehab	<b>2,965 m</b>	<b>8,228 m</b>	<b>8,690 m</b>
Sanitary & storm sewer replaced/rehab/inspected	<b>16,000 m</b>	<b>15,000 m</b>	<b>15,000 m</b>
Short service connections	<b>33 each</b>	<b>818 each</b>	<b>627 each</b>
Roadway treatments under W&S	<b>11,000 l-m</b>	<b>45,000 l-m</b>	<b>50,000 l-m</b>

Water and Sewer

2021 Project Highlights (cont.)

Budget 2022 vs Previous Budgets (in Millions of \$)



	2020 Budget	2021 Budget	2022 Budget
Water main replaced/rehab	\$12.60 M	\$14.70 M	\$13.80 M
Sanitary & storm sewer replaced/rehab/inspected	\$4.25 M	\$4.5 M	\$4.5 M
Short service connections	\$4.92 M	\$3.89 M	\$4.40 M
Total	\$21.43 M	\$23.09 M	\$22.7 M





## Consistency in Safety: Trenching and Excavations

### KNOW

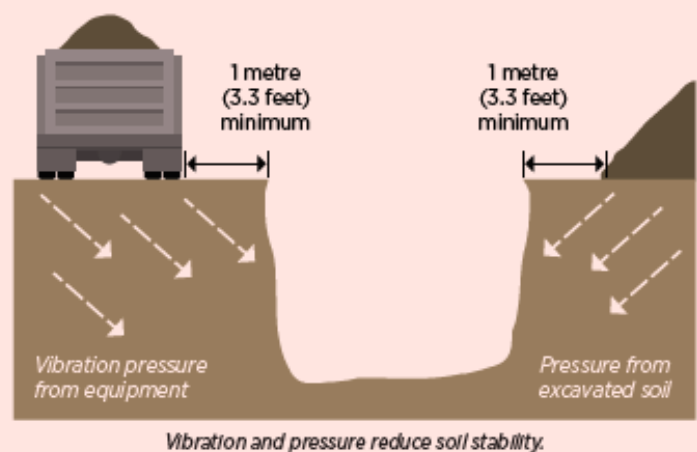
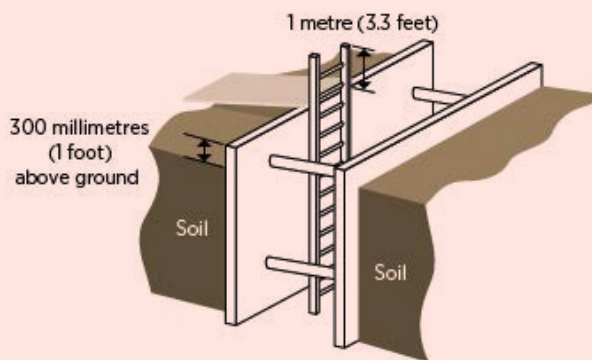
“Safety in all that we do” is a core value for the City of Saskatoon. In the Construction and Design Department, we ensure contractor health and safety competency in various ways.

The City of Saskatoon safety standard is that all contracted work must follow The Occupational Health and Safety Regulations 2020, Saskatchewan Ground Alliance manual, and Trenchbox Tabulated Data that is provided by the manufacturer or rental company.

Consistency during site assessments is key for maintaining the safe work culture that Construction and Design has worked to establish and maintain. The following are examples of minimum safety standards that have presented the greatest consistency challenges in trenching and excavation work. For a more detailed layout and check list of each bullet point, please see the [Safety Checklist](#) in this guide.

- Does the contractor have safe work procedures for trenching and excavation work?
- Have line locates been done, or have been updated before expiration date?
- Is tabulated data readily available on site?
- Are stockpiles and equipment set back according to OH&S regulation?
- Is the topman or competent person stationed in the correct location?
- Is benching of the trench box according to tabulated data?
- Can workers enter and exit the excavation safely?
- Is the trench box being used according to the specific trench box tabulated data?
- Are all excavations according to the OH&S regulations?

**Trench cage walls are 300 millimetres (1 foot) above ground**



## COMMUNITY SERVICES

# Parks

### 2022 Projects

#### Marriott Park Upgrade



##### PROJECT HIGHLIGHTS

Work will include asphalt and irrigation upgrades.

#### Forest Grove Linkage Upgrade



##### PROJECT HIGHLIGHTS

Work will include asphalt, irrigation, grading, and site furniture upgrades.

## CONTACT

### Barb Giocoli

*Landscape Development Coordinator*

☎ 306-975-7663

✉ [barb.giocoli@saskatoon.ca](mailto:barb.giocoli@saskatoon.ca)

#### Parkridge Park Upgrade



##### PROJECT HIGHLIGHTS

Work will include: asphalt, irrigation, planting, site furniture, and playground upgrades.

**2022 Projects (cont.)****WJL Harvey South Upgrade****PROJECT HIGHLIGHTS**

Work will include asphalt, irrigation, grading, lighting, site furniture, and planting upgrades.

**Rosewood Linear & Pocket Park****PROJECT HIGHLIGHTS**

Work will include grading, irrigation, asphalt pathway construction, tree and shrub planting, site furniture, pathway lighting, and establishment maintenance.



SASKATOON LAND

# Land Development

## CONTACT

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*Land Development Project Manager*

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### 2022 Projects

## McOrmond Drive Streetscaping Aspen Ridge Neighbourhood

McOrmond Drive is a multi-way boulevard with a “main street” style that will embrace a high-density mixed-use with commercial and residential areas. As part of the overall neighbourhood development, the streetscape was conceptualized to be a pedestrian-oriented space. The streetscape design’s aim is to create that higher-end landscaping to enhance the street appeal while creating the goal of a pedestrian-like place.

Work for this project consists of boulevard and median landscaping encompassing the supply and install of

irrigation, sod, trees, and shrubs including hardscape elements such as the fabrication supply and install of metal planter boxes, and concrete form work. This work will also include the installation of street furniture including lighting and tree grates.

**Phase 1** – Fedoruk Drive to Feregyhazi Boulevard

**Phase 2** – Feregyhazi Boulevard to Henry Dayday Road

Phase 1 will be issued first, followed by a second procurement for Phase 2 in spring 2022.



## 2022 Projects (cont.)

**Aspen Ridge Parks**

## Linear Parks and Drainage Channel

Aspen Ridge (AR) has an extensive network of linear parks throughout the neighbourhood. Two of these linear parks will be constructed in 2022 forming part of the linear park system in the AR neighbourhood connecting residents to continuous green space with linking trails throughout. The linear park and drainage parcel will be landscaped to create a symbiotic relationship between the two different parcel types. Municipal Reserve Parcel (MR19) will be landscaped to the typical standards of a linear park system.

Work for these projects will consist of grading, asphalt pathway, site furnishings, irrigation, turf establishment, turf rehabilitation and the planting of trees and shrubs throughout the site.



## Gabriel Dumont Institute Indigenous Apprenticeship Program

The Gabriel Dumont Institute (GDI) Apprenticeship Program supports Indigenous apprentices by engaging with employers willing to train and mentor GDI clients.

Apprenticeship supports include job coaching, essential skills training, tools and equipment supports, support for the apprentice through to Journeyman status, and improved job security.

The GDI Apprenticeship Program provides employers with subsidized wages for indentured employment, access to the Indigenous labour market, and assistance with the indenturing process and associated costs. If you would like further information, please contact GDI at 1-877-488-6888.



**GABRIEL DUMONT INSTITUTE**  
of Native Studies and Applied Research



# Transportation

## CONTACT

**Adam Melvin**

*Operations Superintendent*

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## Detour Set-up

### New Council Policy for Pedestrians and Cyclists

More and more people are using active transportation, like walking and biking, to get around Saskatoon, especially during construction season. It's always been required that access to sidewalks and pathways be accommodated in your detour set-up; however, it's now a City of Saskatoon Council Policy. The goal of the policy is to provide pedestrians and cyclists with a safe, convenient and accessible facility during a temporary detour.

This will apply for all temporary detours longer than 24 hours or where a detour completely restricts access to a multi-use pathway or designated bike lane.

To guide you, we will add some examples to the Temporary Traffic Control Manual and have some more information on the [Traffic Detour Requests](#) webpage before construction season begins.

Enforcement may result from work-site inspections. Under the new policy, if proper controls are not in place, work may be temporarily or permanently stopped and repeat violations may impact future work for the contractor with the City.

Policy C07-032 [August 30, 2021] - [Pedestrian and Cyclist Accommodation in Work Zones and Detours \(PDF\)](#)





## CONTACT

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## Transportation

## Changes to Sidewalk Width Standards

### Beginning in 2022

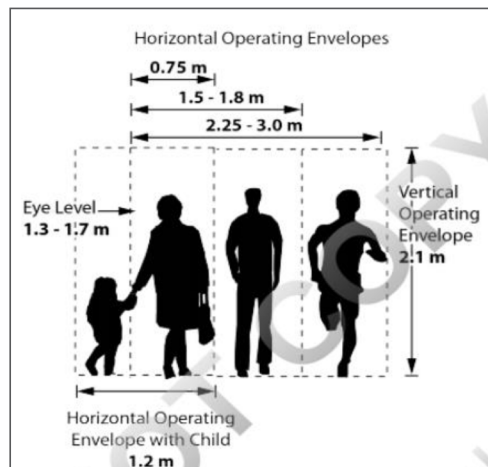
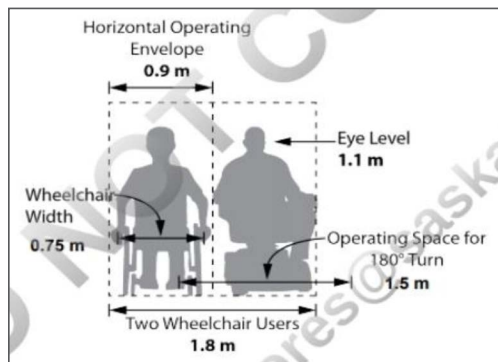
The City's Active Transportation Plan recommendation to implement a wider sidewalk width was approved this year and will be in effect for this coming construction season. Detailed designs submitted for construction in 2022 must reflect updated sidewalk width requirements, as detailed in the Design and Development Standards Manual. This includes new development and missing sidewalks in established neighbourhoods.

#### Minimum Sidewalk Requirements, in effect for 2022 construction season:

Street Classification	Location	Minimum Walking Surface Clear Width (m)	Material	Offset from Back of Curb
Freeway/ Expressway	As per the <i>Active Transportation Plan</i>	3.0	Asphalt	Separate (outside of clear zone)
Arterial	Both Sides	2.5	Concrete	Separate (1.5m)
Collector	Both Sides	1.8	Concrete	Combined or Separate (1.5m)
Local	Both Sides	1.5	Concrete	Combined or Separate (1.5m)

#### Referenced and related resources:

- [Street Design Policy \(C07-030\)](#)
- [Active Transportation Plan \(PDF\)](#)
- [Information Report - Sidewalk Width Standard on Local Roads - Update](#)
- [Design and Development Standards Manual \[3.10.1 Sidewalks\] \(PDF\)](#)



## SUSTAINABILITY

# Environmental Protection

## CONTACT

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*Project Manager*

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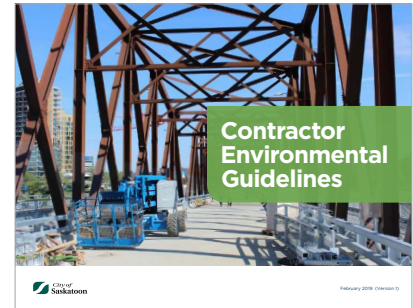
The City of Saskatoon is committed to becoming an environmentally sustainable community. Environmental Policy (C02-036) indicates that environmentally responsible behaviour is encouraged and expected from all employees and contractors working at civic facilities and grounds.

### These expectations include:

- Compliance with applicable environmental regulation;
- Responsible use of resources and pollution prevention; and
- Continuous improvement of environmental performance.

As a contractor for the City of Saskatoon, your environmental performance is critical to meeting our commitment to protect the environment and comply with environmental laws and regulations. To learn more about Contractor Environmental Guidelines, visit [saskatoon.ca/contractorenvironmentalguidelines](http://saskatoon.ca/contractorenvironmentalguidelines).

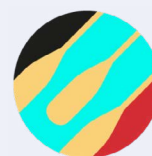
If you are awarded a contract with the City, you may be required submit an environmental management plan before construction can begin. You may also be required to comply with the guidelines and the environmental protection specification during construction. These requirements will be identified in the tender/contract. Visit [this page](#) for details.



## Saskatchewan Chamber of Commerce Indigenous Business Directory

The Indigenous Business Directory aims to ensure that more Indigenous businesses can participate in the Saskatchewan supply chain and will allow for increased engagement between members of the Saskatchewan Chamber of Commerce and Indigenous-owned businesses in the province.

The Indigenous Business Directory focuses on Indigenous-owned businesses, defined as 51%+ Indigenous-owned, and allows for businesses to set up a profile and provide additional information such as locations, services offered, contact details, and more.



**Indigenous  
Business  
Directory**





## Traffic Control: Safety Checklist

Prime Contractor:

Contract #:

Location:

Foreman:

COS Rep:

COS Rep:

Sub Contactor:

Notes:

# SAFETY MINUTE

## Temporary Traffic Control

BEFORE the Job		YES	NO	N/A
1.	Has the Transportation Division approved The Traffic Control Plan? <i>This only needs to be done on roads classified above a residential street.</i>			
2.	Has the project team Approved the Traffic Control Plan? <i>This needs to be done for roads classified as a residential street.</i>			
3.	Have the correct traffic control devices been requested and set up? <i>Delineation devices, barricades, signs, etc.</i>			
4.	Will the traffic control plan accommodate all work and control all hazards appropriately? <i>Equipment, stockpiles, contractor vehicles, pedestrians, cyclist, etc.</i>			
5.	Do you have the necessary permits? <i>Right of Way (ROW), Powered Mobile Equipment (PME) etc.</i>			
6.	Have you given adequate notice of the planned work to the affected businesses, utility owners, and residents?			
7.	Is a tree protection plan required?			
8.	Is a waste collection plan required?			
9.	Have you contacted Saskatoon Transit if you are working on a bus route?			
10.	Has an emergency response plan been made that shows safe access through the site?			
During Periods of ACTIVITY		YES	NO	N/A
11.	Is the Traffic Control Plan readily available on site and is the work zone set up according to this plan? <i>The plan can be digital or a hard copy.</i>			
12.	Is there enough proper equipment to secure the work zone? <i>Barricades curb to curb, fences around excavations, delineation devices, proper signs, proper separation of work and the public, etc.</i>			
13.	Are all traffic control devices in their proper place and maintained properly?			
14.	Is all equipment, spoil piles, and general work activities inside of a work zone? <i>Loading and unloading of equipment and materials needs to be controlled by a work zone.</i>			
15.	Are barricades/gates closed so that vehicles can't access the work zone?			
16.	Do you have an approved contingency plan to accommodate peak hour traffic?			
17.	Have conflicting signs been removed or covered? <i>For example, cover the gazetted speed if the set-up requires a speed reduction.</i>			
During Periods of INACTIVITY		YES	NO	N/A
18.	Where possible, remove all equipment and materials from the roadway.			
19.	Establish a barrier around open trench/excavations using physical barriers, such as concrete safety shaped barriers, suitable fencing (1.8m solid wire mesh), etc. The location and the nature of the excavation will dictate the method used to provide the necessary safety required.			
20.	Place barricades around all stockpiled material, spoil piles and equipment that is stored on the road or the shoulder.			
21.	Remove or cover any conflicting, or unutilized signs while workers are not present on site.			
22.	Ensure all temporary hazards are controlled accordingly.			

Trenching and Excavation: Safety Checklist

Prime Contractor:

Contract #:

Location:

Foreman:

COS Rep:

COS Rep:

Sub Contactor:

Notes:

# SAFETY MINUTE

## Trenching and Excavation

Tabulated Data according to the OH&S regulations		YES	NO	N/A
1.	A professional engineer certifies that the temporary protective structure, if constructed and installed as drawn and used, maintained and dismantled as instructed, will provide adequate protection to a worker who constructs, installs, uses, maintains or dismantles the temporary protective structure.			
2.	All drawings and instructions necessary to safely construct, install, use, maintain and dismantle a temporary protective structure required are kept on site.			
Topman or competent person		YES	NO	N/A
3.	Is the topman stationed on the surface to alert the workers in the trench about the development of any potentially unsafe conditions and to provide assistance in an emergency.			
Use of Trench Box (Skip question 4-17 if no trench box is in use)		YES	NO	N/A
4.	Ladder every 8m (26 ft.) and extend 1m (3.3 ft.) above the trench box.			
5.	Trench box extends at least 300 mm (1ft.) above the side wall.			
6.	Spoil piles and other surcharges at least 1 metre (3.3 ft.) away from the trench.			
7.	Have emergency plans been prepared?			
8.	Have hazardous atmospheres been checked for and if needed controlled? <i>Note: This will be needed in a confined space situation. A trench may be a confined space when it is deeper than 1.2 metres (4 ft.), has limited access and egress, and is not designed for continuous human occupancy. Ensure hazardous contaminants are not present and the atmosphere is not oxygen deficient or enriched.</i>			
Trench Box Installation		YES	NO	N/A
9.	Excavate to grade just slightly wider than Modular Shield dimension Dig walls vertical to minimum of 18 inches below the top of the box. Slope soil above box according to manufacturer's tabulated data.			
10.	Lower box into trench. Backfill between outside wall of the box and wall of the trench before use.			
11.	Proper backfill sufficient to stabilize the Modular Shield and to minimize ground surface and/or foundation settlements is required. Where such settlements are not a concern, over digging may be performed, however, the clear distance shall not exceed 6 inches.			
12.	Bottom panel may be omitted, allowing 2 feet open clearance, only if there is no possible loss of soil from behind or below the bottom of the shield.			
13.	Excavations and protective systems shall be inspected a minimum of once each working day and whenever there is a change of soil, water, or other job site conditions.			
14.	No vertical or horizontal loads shall be applied to the adjustable strut/spreader or static braces except as specified by the Manufacturer. Any mishandling, such as pounding with the backhoe bucket, will void the tabulated data.			
15.	All lifting and pulling equipment, including cables, slings, chains, shackles and safety hooks shall be evaluated for suitability and capacity, and shall be inspected for damage or defects prior to use.			
16.	Personnel shall always work within the shielding or shoring. Personnel shall not stand on the edge of an un-shored excavation			
17.	All personnel shall enter and exit excavations only within shielded or shored areas.			

(continued next page)

## Trenching and Excavation (cont.)

Open Cut Excavations According to OH&S regulations	YES	NO	N/A
18. In the case of type 1 or type 2 soil, the walls are sloped to within 1.2 metres of the bottom of the excavation or trench, with a slope at an angle not steeper than 1 horizontal to 1 vertical, or 45° measured from the horizontal.			
19. In the case of type 3 soil, the walls are sloped from the bottom of the excavation or trench, with a slope at an angle not steeper than 1 horizontal to 1 vertical, or 45° measured from the horizontal.			
20. In the case of type 4 soil, the walls are sloped from the bottom of the excavation or trench, with a slope at an angle not steeper than 3 horizontal to 1 vertical, or 19° measured from the horizontal.			
21. Ladder every 8 m (26ft) and extend 1 m (3.3ft) above the trench box.			
22. Soil piles and other surcharges at least 1 metre (3.3 ft.) away from the trench.			
23. Has all loose material been scaled or trimmed from the side of an excavation or trench if a worker is required or permitted to be present?			
24. Have all hazards around the excavation been identified and marked?			

## Indigenous Engagement Employer Handbook

Many sectors are experiencing or projecting expansions—which means job openings. As the fastest growing demographic in Canada, Indigenous people are poised to meet this demand.

What better way to foster your company's resiliency and enhance your competitiveness than to become an employer of choice for the Indigenous population in Saskatchewan? The [Indigenous Engagement Employer Handbook](#) covers strategies for attracting, recruiting, and retaining Indigenous employees.

The strategies are based on a series of workshops and consultations held in early 2019 that included some of Saskatoon's largest First Nation, Métis and non-Indigenous employers, employment, education and training institutions, business associations and community organizations.

Different sizes of businesses, in different industries and at different stages of their Indigenous engagement process, will need distinct strategies and capacities to reach their goals. While not every suggestion in this handbook will be relevant for you, we hope that many of the suggestions will resonate.

It's time to Kípa or Kakwayahook (hurry up) to better engage Indigenous participation in the economy from employment to partnerships to ownership.



