

Northwest Regional Wastewater Lift Station Project Information Session

REGINA

Land Acknowledgement

We acknowledge that Regina is on Treaty 4 Territory, a Treaty signed with 35 First Nations across Southern Saskatchewan and parts of Alberta and Manitoba and the original lands of the Cree, Saulteaux, Dakota, Nakota, Lakota and on the homeland of the Métis Nation.

A Land Acknowledgement represents an act of reconciliation, honouring the land, Indigenous heritage, and history that dates back thousands of years. To recognize the land is an expression of gratitude and appreciation to those whose territory we reside on, and a way of honouring the Indigenous people who have lived here for thousands of years. It is important that we understand our history that has brought us to reside on the land, and to seek to understand our place within history.



Photo credit: Nina Henry

Welcome and Introductions

Welcome to the **Northwest Regional Wastewater Lift Station (NRWLS)** information session.

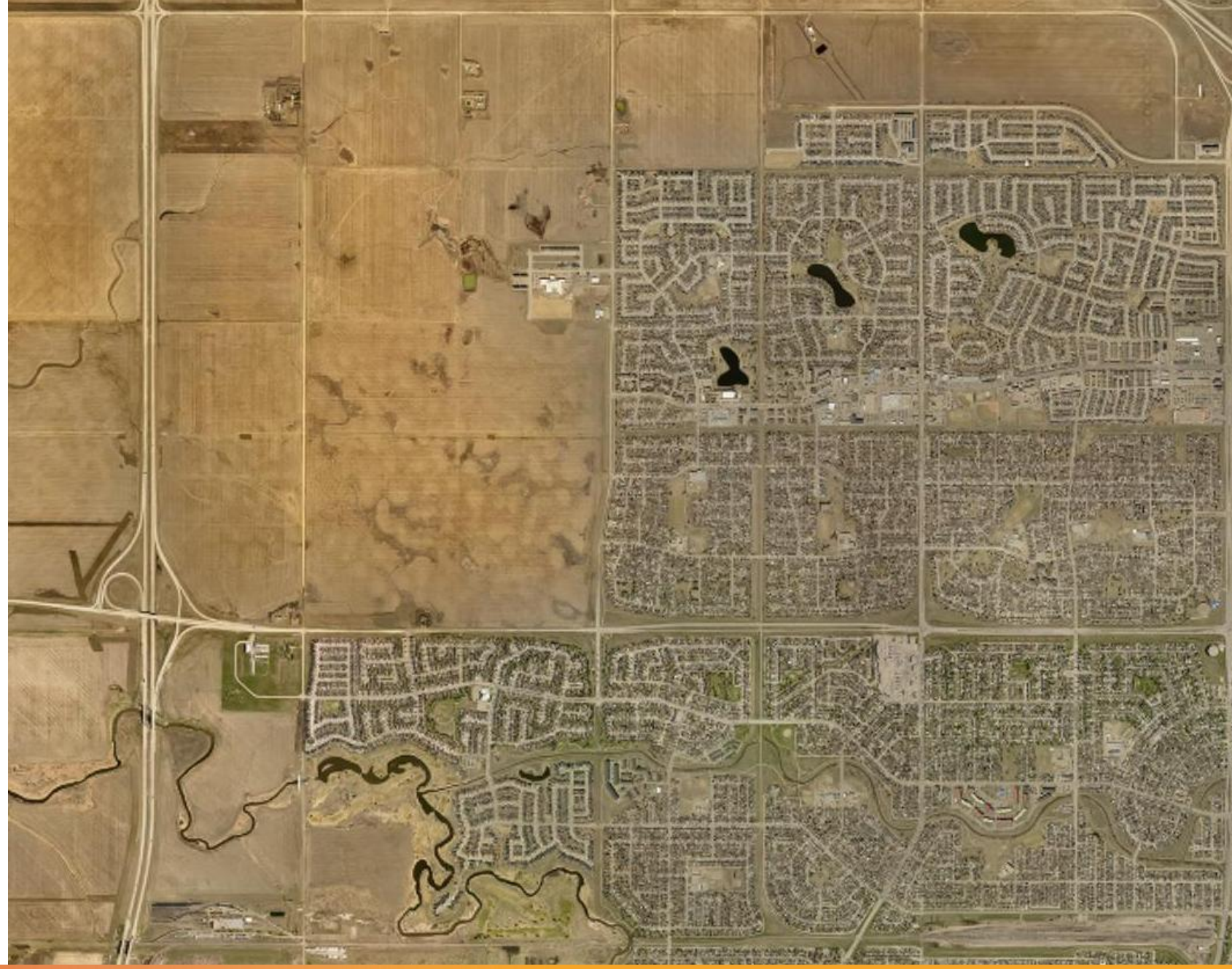
The **City of Regina** **will own and operate the lift station.**

Today is an opportunity to **learn** about the proposed design and **share** questions with the project team.



Agenda

- Purpose of the session
- Project overview and need
- Project area and staging
- Proposed lift station
- Estimated project timeline
- Environmental assessment
- Questions and feedback
- Next steps



Purpose & Anticipated Outcome

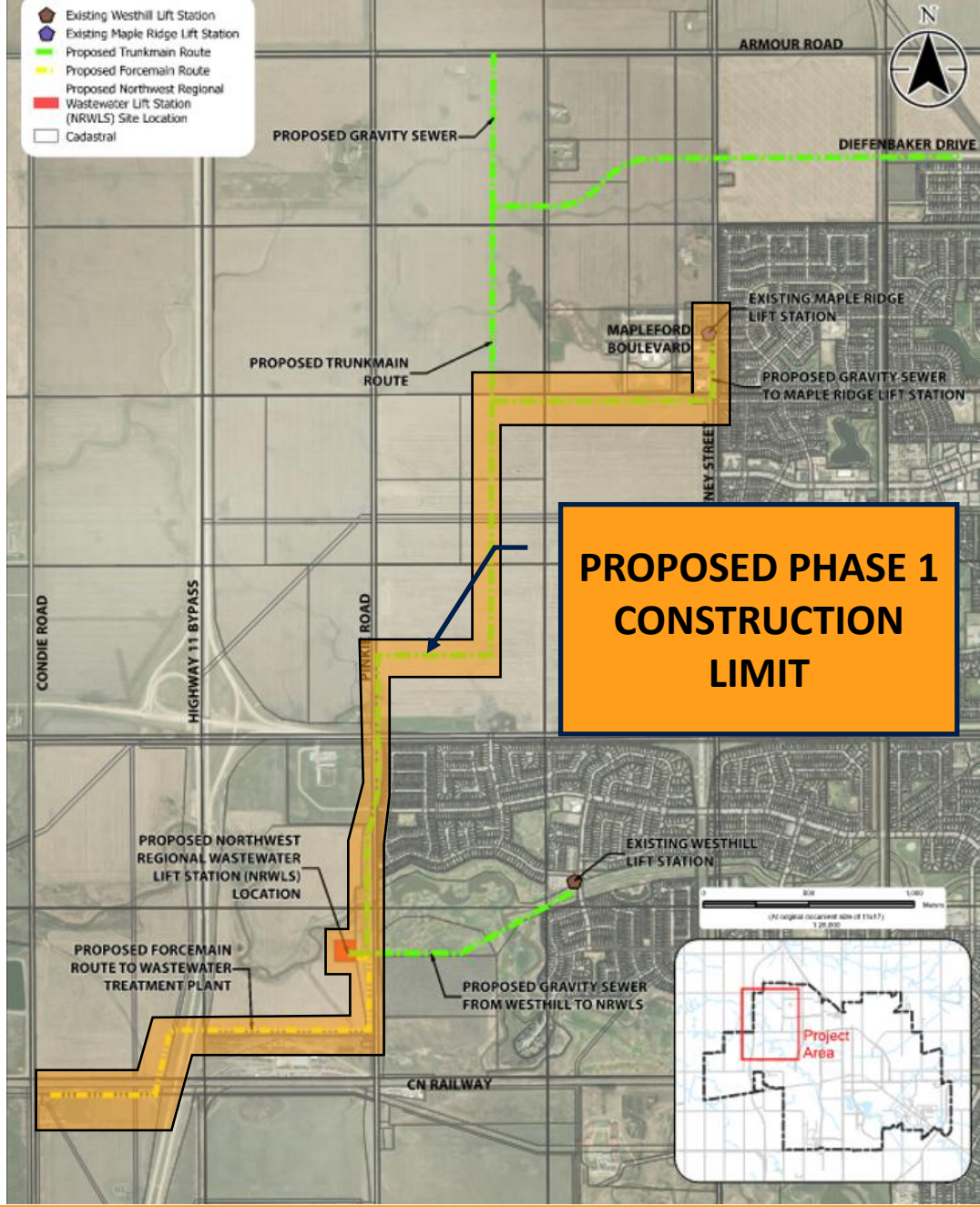
- Learn why the City is planning the project and how the proposed system would work.
- Review the project area, planning schedule and environmental considerations.
- Share local knowledge and concerns for the project team to consider as part of the environmental assessment process.



Project Overview

What will the lift station project do?

- This is a major infrastructure project that will:
  - **Support growth** of new neighbourhoods in the northwest like Coopertown, Rosewood & Westbrook.
  - **Improve service** for existing Westhill, Rosewood & Maple Ridge neighbourhoods.
- The project will provide new wastewater pipelines and new pumping capacity in the City-wide wastewater system including:
  - **A new wastewater collection trunk sewer** (large pipe that collects flow from smaller sewer lines to collect wastewater and carry it to the lift station).
  - **A new wastewater lift station** that will pump wastewater onward from the trunkmain
  - **New forcemains that** will carry pumped wastewater toward the existing wastewater treatment plant.



Project benefits:

- This project will **support existing, new and future neighbourhoods in the northwest** identified in the Growth Plan and Official Community Plan.
- The **new lift station will free up wastewater capacity in other parts of the City** to improve service in existing neighbourhoods and support infill development projects.
- **Meet stringent environmental standards** and regulations.
- Incorporation of **sustainable design elements.**

Project Area

- The project **serves existing and planned growth** areas in northwest Regina.
- It **serves multiple greenfield developments** like Coopertown and Westbrook.
- The project **aligns with the City of Regina 25-year growth plan**.
- Provides a **long-term servicing strategy**.



Proposed Lift Station



Conceptual image produced by Veras (by Evolve LAB and Chaos)

- The proposed lift station would receive wastewater from the trunk sewer and sewermains in the catchment area.
- Pumps inside the lift station move wastewater through forcemains toward the wastewater treatment plant.
- The design concept supports phased connections as the northwest service area develops.

Anticipated Project Timeline



Environmental Assessment

Saskatchewan Ministry of Environment's Environmental Process

- [Environmental Assessment | Environmental Protection and Sustainability | Government of Saskatchewan]



Environmental Assessment Process

What is an environmental assessment?

Environmental assessments (EA) look at the ability of a project applicant to minimize or prevent environmental impacts before any work gets underway.

The process starts when an applicant seeks government approval to build a new development that could impact air quality, fish and fish habitat, wildlife, people or Indigenous use of lands, to name a few.

Typical projects include:

- energy
- industrial
- mines
- water management (i.e. water diversions and dams)
- wind power

Process



For more detailed information about the Environmental Assessment process, please visit saskatchewan.ca/environmentalassessment

Why are they important?

EAs consider potential environmental impacts and mitigation measures early in the project planning to ensure developments are safe and sustainable. Benefits include:

- **identifying and mitigating risks** to protect human health and safety;
- supporting a **practical, comprehensive and integrated approach to decision-making**;
- **increasing** accountability and **transparency** by providing opportunity for public input; and
- contributing to the protection of the province's **biodiversity**.

When is an assessment required?

When a project, operation or activity is likely to have a significant impact on the environment, an EA is required.

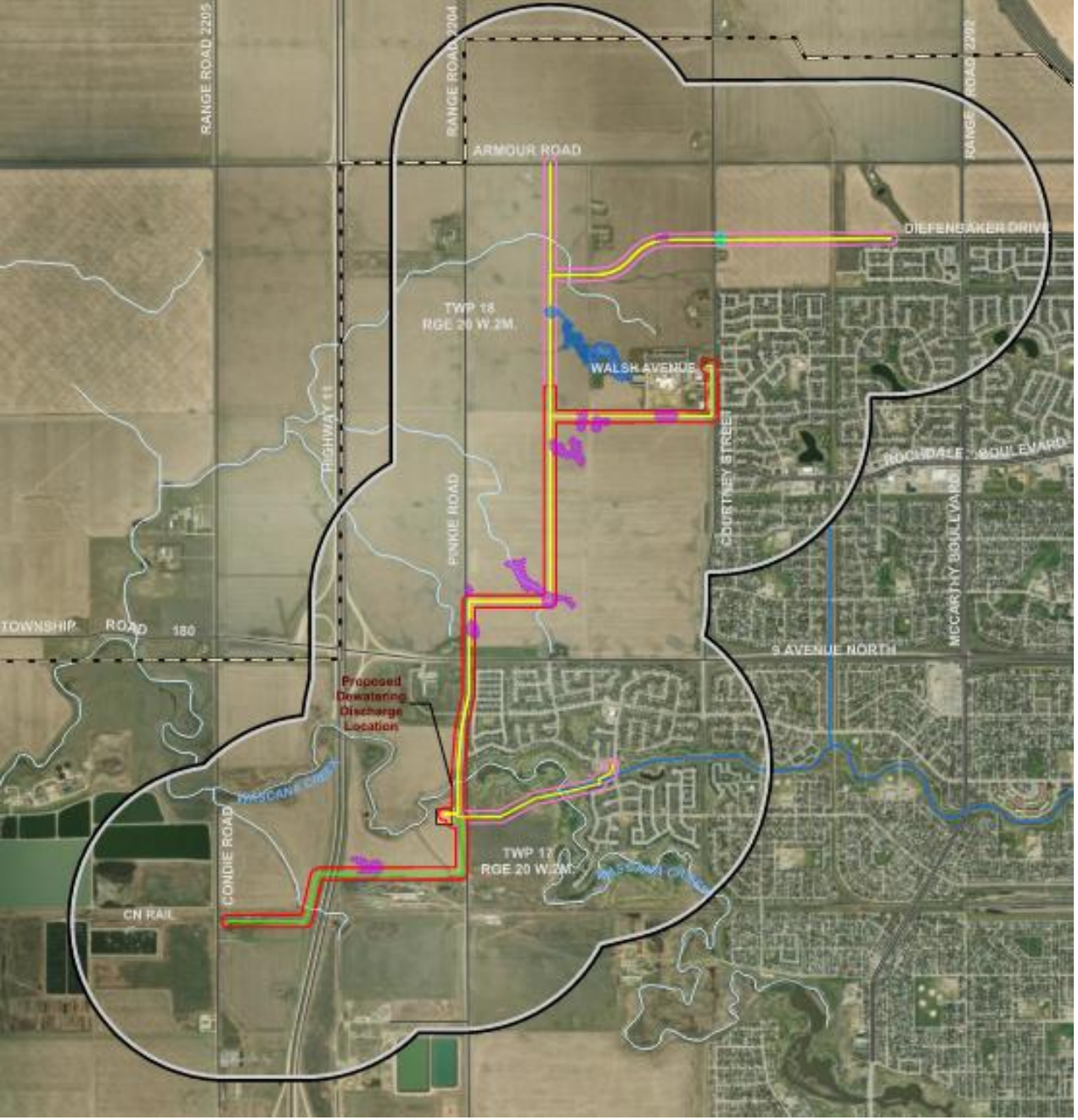
EAs may be triggered if a project could:

1. have an effect on any unique, rare or endangered feature of the environment;
2. substantially use any provincial resource in a way that would prevent using that resource for any other purpose;
3. cause the emission of pollutants or create byproducts, residual or waste products that require unregulated handling and disposal;
4. cause widespread public concern because of potential environmental changes;
5. involve a new technology related to the use of resources that may cause significant environmental change; or
6. necessitate a further development, such as an expansion or amendment to the original proposal, which is likely to have a significant impact on the environment.

Environmental Screening

- Preliminary screening identifies topics that need further study.
- Screening results are preliminary. They do not represent a final impact assessment or regulatory approval.
- Self-assessment identified need for a Technical Proposal submission to the Saskatchewan Ministry of Environment.





Environmental Assessment

- Baseline fieldwork and a Technical Proposal support the regulatory review.
- Additional studies:
  - Downstream User Impact Study (Water Security Agency)
  - Heritage Resource Impact Assessment (Heritage Conservation Branch)

Environmental Review Topics

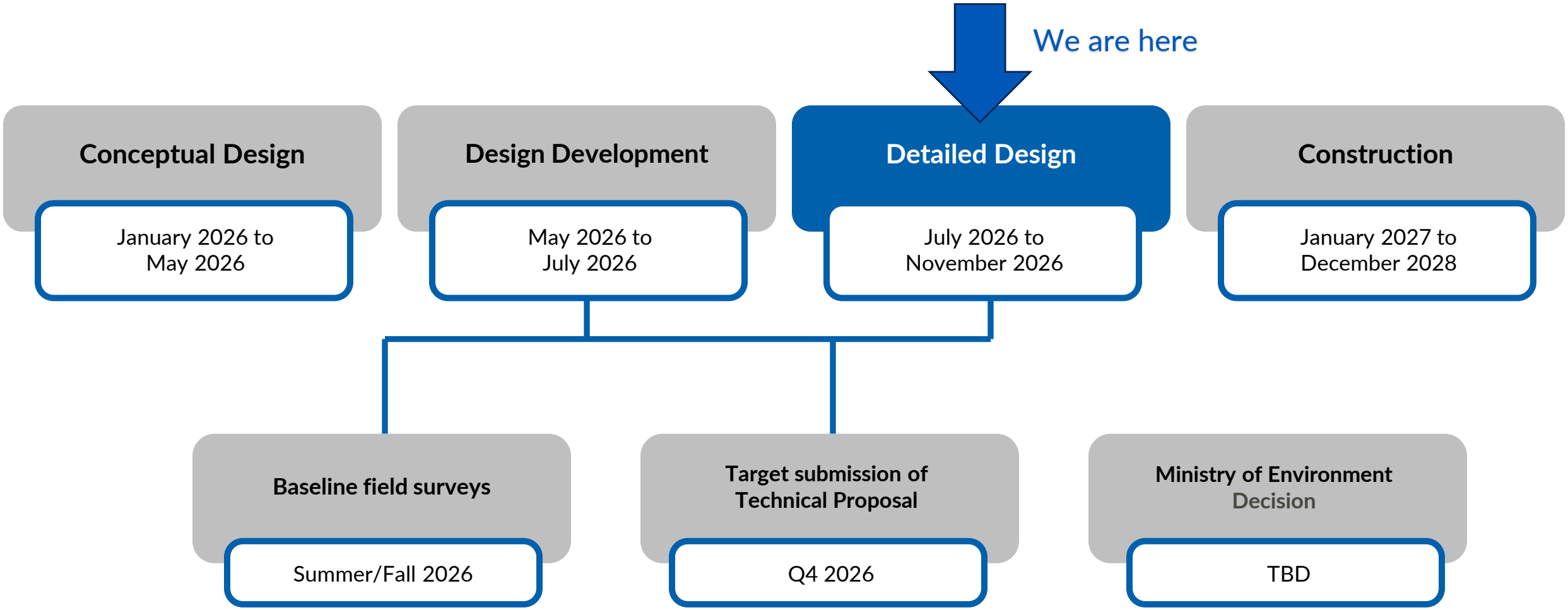
Environmental topic	Potential interaction	Local sensitivity	Preliminary status
Surface water	Pipe crossings and construction runoff	Watercourses and drainage	Further review
Fish and fish habitat	Crossing work, sediment or flow changes	Fish habitat	Further review
Groundwater	Excavation and removal of groundwater	Regina Aquifer and groundwater users	Further review
Soils and terrain	Trenching, grading and soil stockpiles	Agricultural soils and erosion	Further review
Vegetation and wetlands	Clearing and wetland crossings	Wetlands and streamside areas	Further review
Wildlife and habitat	Clearing, noise and construction activity	Species of conservation concern	Further review
Heritage resources	Ground disturbance	Potential archaeological resources	Further review
Indigenous interests / land use	Potential effects on culturally sensitive areas	Treaty 4 Territory and Crown land	Further review

Other Environmental Considerations

- Preliminary screening identifies the following topics as lower concern or manageable with mitigation. These findings remain subject to review.

Environmental topic	Potential interaction	Consideration	Preliminary screening
Air quality	Dust and equipment emissions	Temporary local effects	Mitigation anticipated
Noise and vibration	Construction and lift station operation	Nearby residents and land users	Mitigation anticipated
Land use and planning	Agricultural land and utility corridors	Planned growth area	Lower concern
Community effects	Traffic, access and future servicing	Local residents and road users	Lower concern
Landscape and views	Lift station and construction areas	Changes to the local setting	Lower concern
Climate and emissions	Construction and operating energy	Greenhouse gas emissions	Qualitative review

Anticipated Regulatory Timeline





Construction Considerations

Excavation and hauling may generate dust and equipment emissions.

Construction activity may cause temporary noise and vibration.

Work areas may affect traffic and local access.

Identify access needs and sensitive locations for the team to consider.

Questions and Discussion



Next Steps

The engagement team will summarize feedback for the project team to consider. Feedback themes for review include:

- Local conditions and access needs
- Environmental concerns
- Questions requiring follow-up
- Information needs for future updates

Environmental studies, design and regulatory review will form part of the planning process.

The schedule for the project is estimated and will be confirmed in more detail as the project progresses through the next steps.

Thank You

Thank you for sharing your questions and learning about the Northwest Regional Wastewater Lift Station project.

Your feedback

The engagement team will summarize comments for the project team to consider.

Further questions

Please speak with the project team about questions that need follow-up or email us at: nrwls@regina.ca

Project information

Visit Regina.ca/NWLiftStation
Or search Northwest Regional Wastewater Lift Station on Regina.ca

Regina.ca

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