



# CRNWSC

## Commission Engineer's Report

Chris Parfitt, P.Eng  
Commission Engineer  
September 21, 2020

# Overview

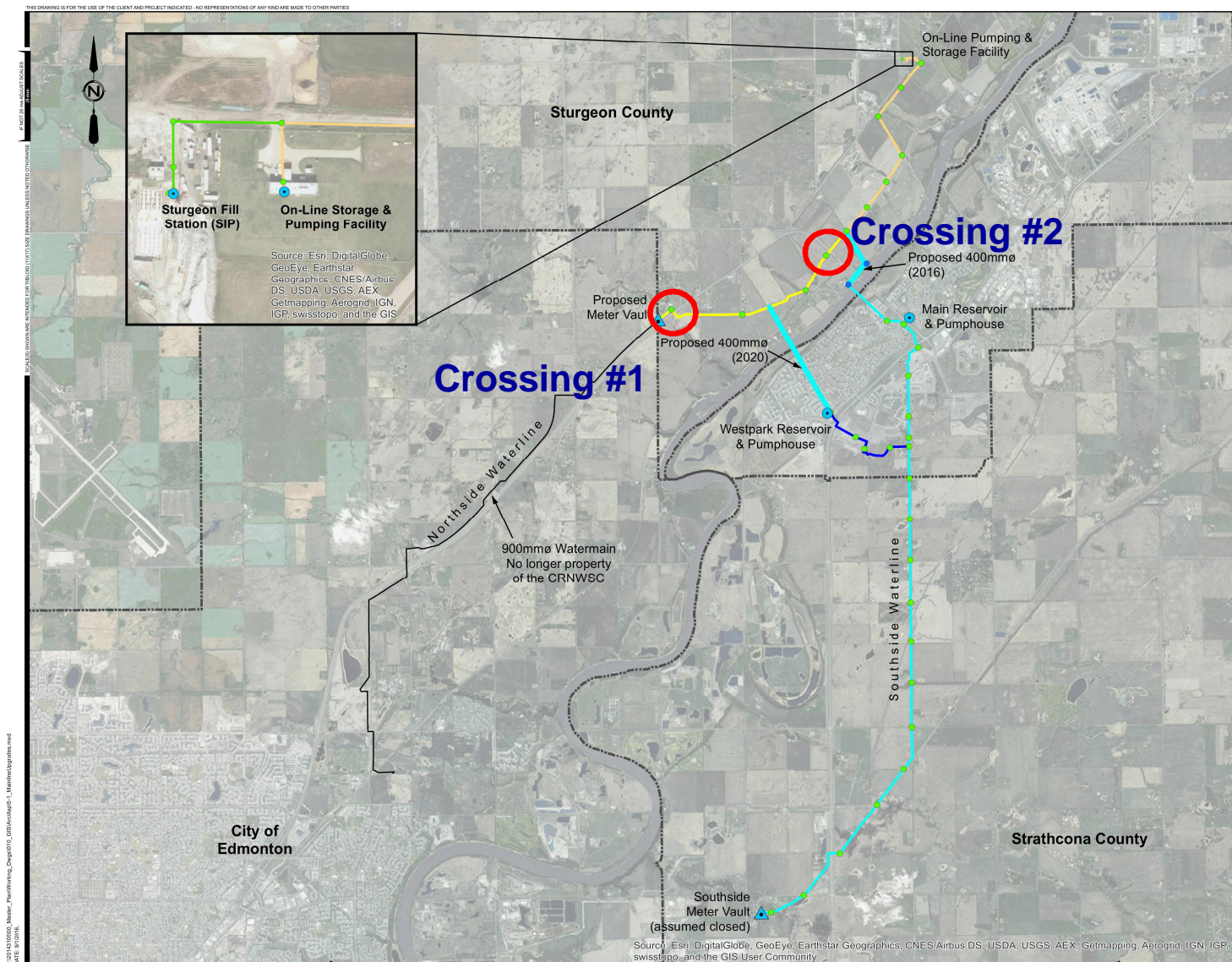
- 2019/2020 Capital Project Updates
  - Highway 15 Waterline Relocation
  - Highway 825 Waterline Relocation
  - Lamoureux Drive Waterline Rehabilitation
  - Gibbons/Bon Accord Integrity Dig/ Replacement (CM)
  - 2020 Capital Plan Update
- Questions



# 2019/2020 Capital Project Updates

# Highway 15 Waterline Relocation





- Legend:
- Meter Vault
  - CRNWSC Fill Station
- Peak Day Pressure
- < 138 kPa (< 20 psi)
  - 138 kPa - 689 kPa (20 psi - 100 psi)
  - 689 kPa - 1034 kPa (100 psi - 150 psi)
  - > 1034 kPa (> 150 psi)
- Pipe Diameter (Existing)
- 200mmø
  - 250mmø
  - 300mmø
  - 400mmø
  - 750mmø
  - 900mmø
- Pipe Diameter (Proposed)
- 400mmø

Strathcona County

DRAFT

FIGURE No. 5-1  
CAPITAL REGION NORTHEAST WATER SERVICES COMMISSION - MASTER PLAN  
UPGRADES TO EXISTING MAINLINE SYSTEM

AE PROJECT No. 2014-3109  
SCALE 1:70,000  
APPROVED  
DATE 2016 SEPTEMBER  
REV  
DESCRIPTION ISSUED FOR DRAFT

# Highway 15 Waterline Relocation





# Highway 15 Waterline Relocation

- Crossing #1 – Old Fort Trail
  - All Land Owners has sign the release form
- Crossing #2 – North of CN Bridge
  - Minor deficiency
  - Land Owner is waiting to see how the crops develop



## Project Costs

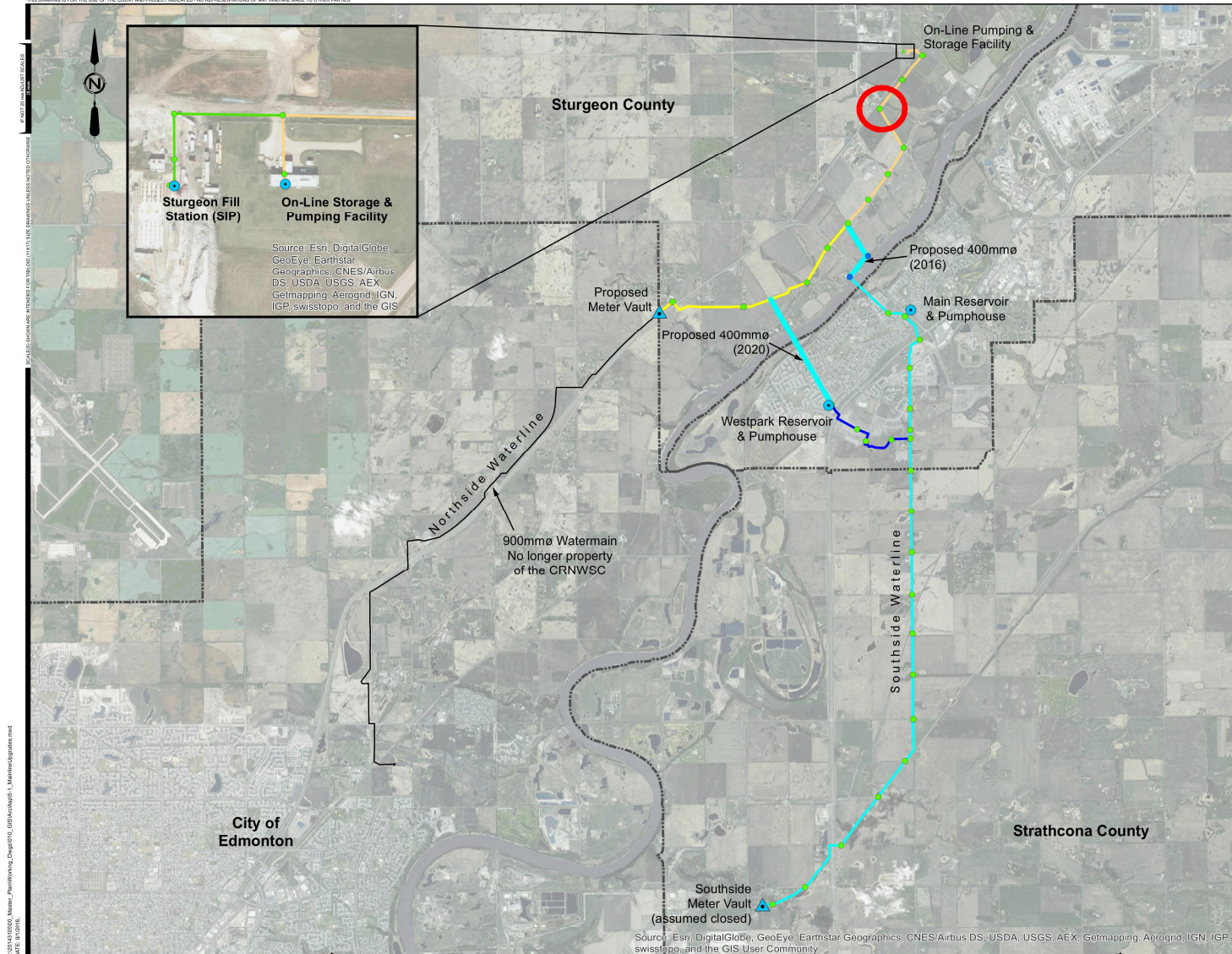
- Spent to Date \$ 5,570,006
- Forecast Project Costs \$ 5,680,000
- Approved AT Budget \$ 6,438,923





# Highway 825 Waterline Relocation

THIS DRAWING IS FOR THE USE OF THE CLIENT AND PROJECT INDICATED. NO REPRESENTATIONS OF ANY KIND ARE MADE TO OTHER PARTIES.



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- Pipe Diameter (Proposed)**
- 400mmø

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**FIGURE No. 5-1**

**CAPITAL REGION NORTHEAST WATER SERVICES COMMISSION - MASTER PLAN**

**UPGRADES TO EXISTING MAINLINE SYSTEM**

<b>AE PROJECT No.</b>	2014-3109
<b>SCALE</b>	1:70,000
<b>APPROVED</b>	
<b>DATE</b>	2016 SEPTEMBER
<b>REV</b>	
<b>DESCRIPTION</b>	ISSUED FOR DRAFT

# Highway 825 Waterline Relocation

- Awarded to Raywalt Construction Co. Ltd
- Construction started end of July 2020
- Scheduled Shutdown Dates
  - September 28, 2020
  - October 5, 2020
- Project Completion: End of October



## Project Costs

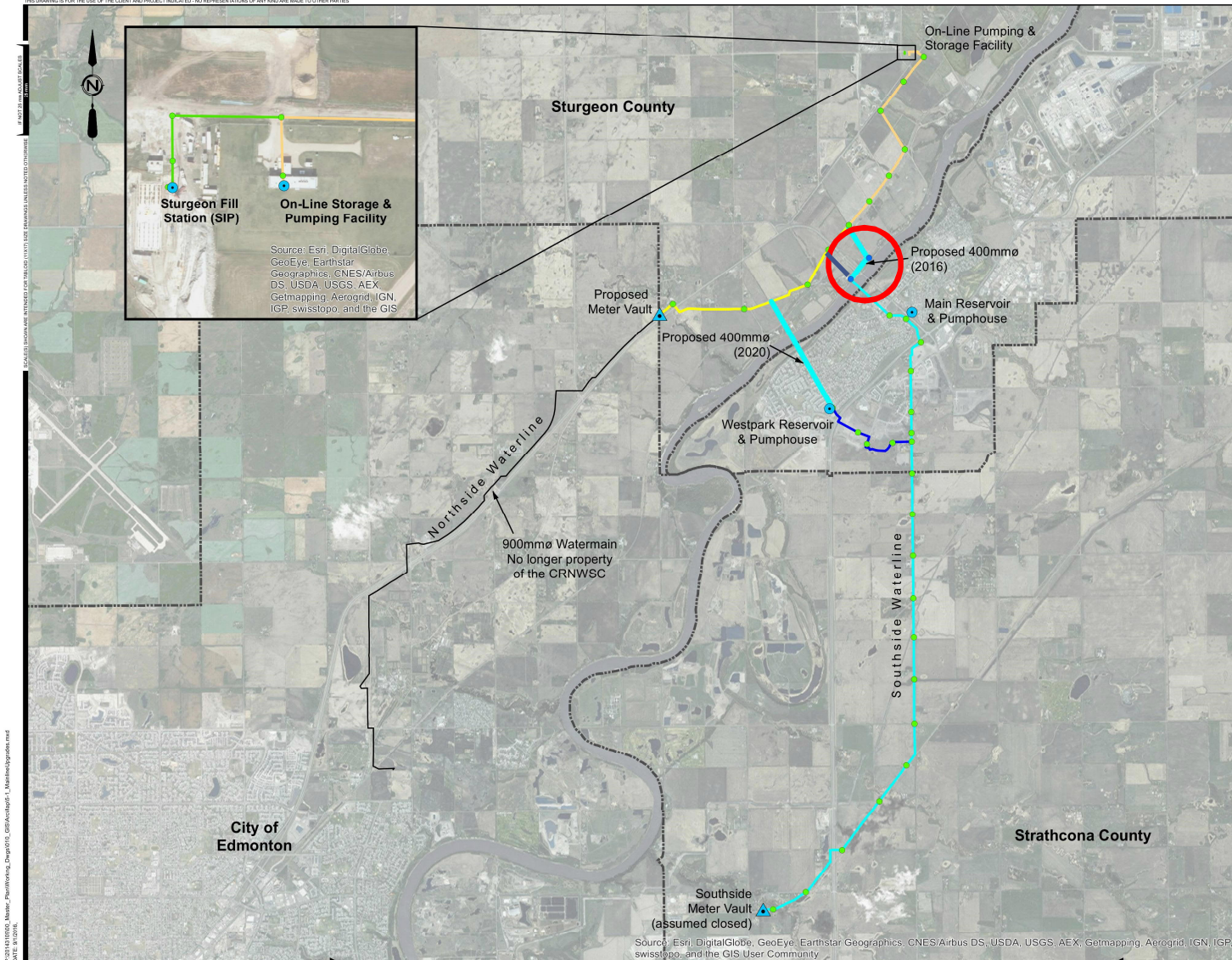
- Spent to Date \$ 144,000
- Forecast Project Costs \$ 1,752,000
- Approved AT Budget \$ 3,391,250



# Lamoureux Dr. Waterline Rehabilitation



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**FIGURE No. 5-1**

**CAPITAL REGION NORTHEAST WATER SERVICES COMMISSION - MASTER PLAN**  
UPGRADES TO EXISTING MAINLINE SYSTEM

<b>AE PROJECT No.</b>	2014-3109
<b>SCALE</b>	1:70,000
<b>APPROVED</b>	
<b>DATE</b>	2016 SEPTEMBER
<b>REV</b>	
<b>DESCRIPTION</b>	ISSUED FOR DRAFT

# Lamoureux Drive Waterline Rehabilitation

- Awarded to GS Holding Co. Ltd
- Construction start date: November 1, 2020
- Scheduled coordinated:
  - Highway 15 Bridge Contractor
  - EPCOR Repairs
- Project Completion: End of November



## Project Costs

• Spent to Date	\$ 42,000
• Forecast Project Costs	\$577,850
CRNWSC Approved Budget	\$950,000



# Integrity Dig Gibbons Waterline (CM)

# 2020 Masterplan Update



# 2020 Masterplan Update

- Started January 2020
- Complete review:
  - Pressures & Flows
  - Southside Meter Vault Assessment
- CRNWSC has a draft for review (June 2020)



## Project Costs

• Spent to Date	\$ 68,665
• Forecast Project Costs	\$ 72,100
CRNWSC Approved Budget	\$ 72,100



QUESTIONS?