Gatchell Outfall Sewer
Project Update
CGS Operations Committee

Presented by:
Wendi Mannerow, P.Eng.
Water / Wastewater Engineer, CGS
&
Rebecca Gilchrist, P.Eng.
Project Manager, CGS

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Introduction & Purpose

- Review Project History
- Summarize Class EA Study & Recommended Solution
- Provide Next Steps - Schedule & Budget Implications

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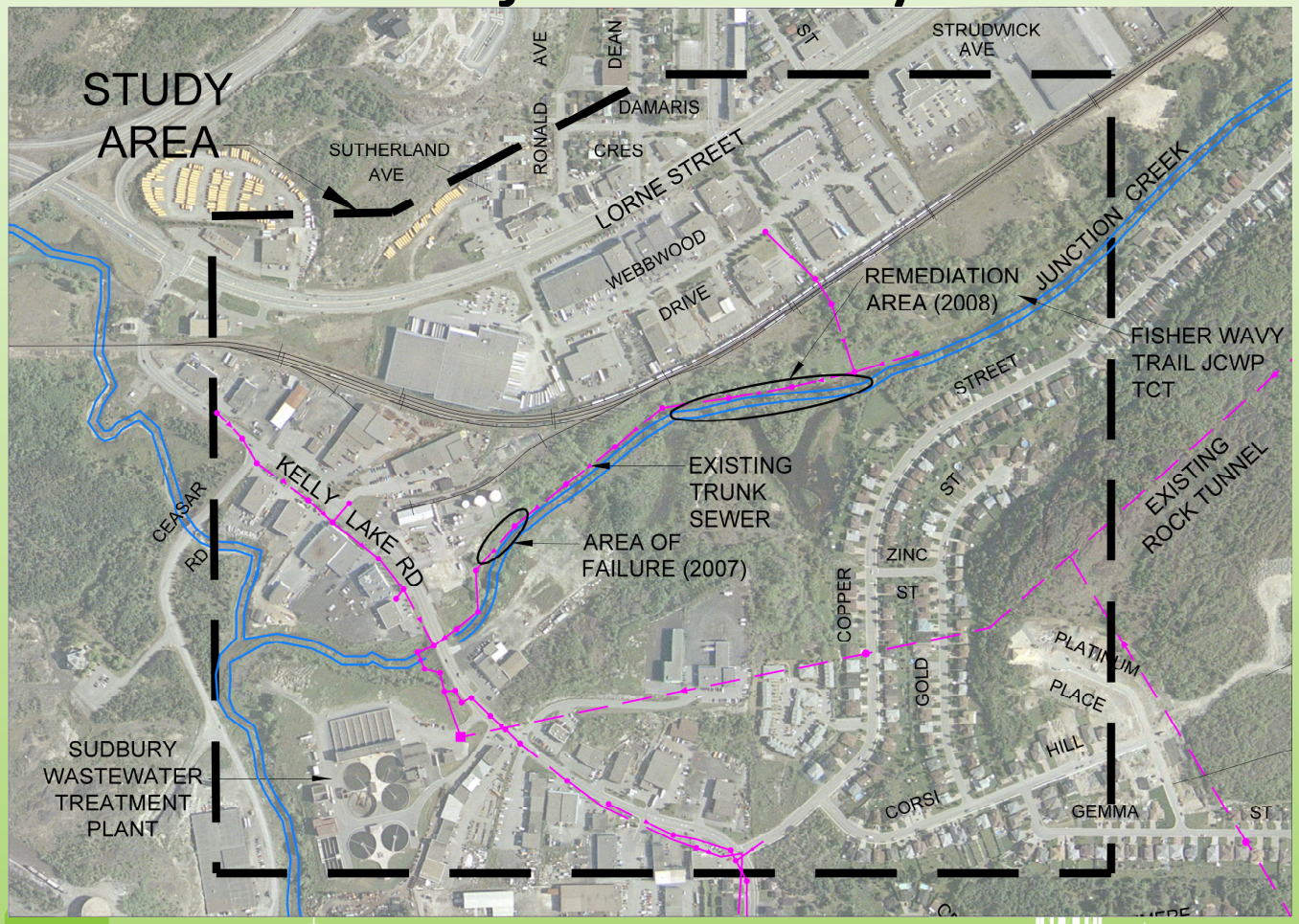
Project History



2007 – Junction Creek bank slope failure caused section of 600mm trunk sewer to fail; emergency repairs to bank & sewer

2008 - structural liner installed

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Project History

On-going Challenges:

- Sewer out of alignment – vertically & horizontally – not flowing well
- Requires costly yearly cleaning
- Risk of blockages / backups
- Risk of failure into creek

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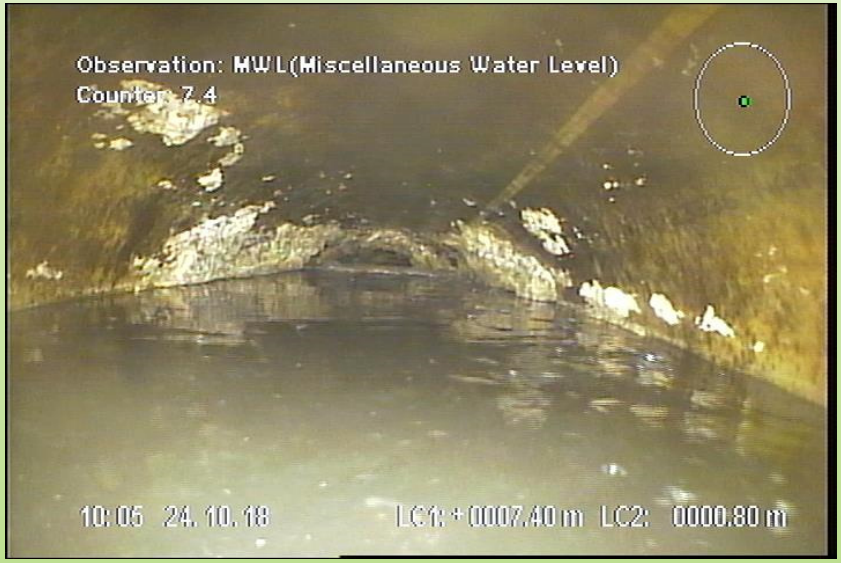
Project History

600mm diameter A/C sewer – normal flow



600mm diameter A/C sewer – just upstream of pipe “sag” – starting to backup in pipe

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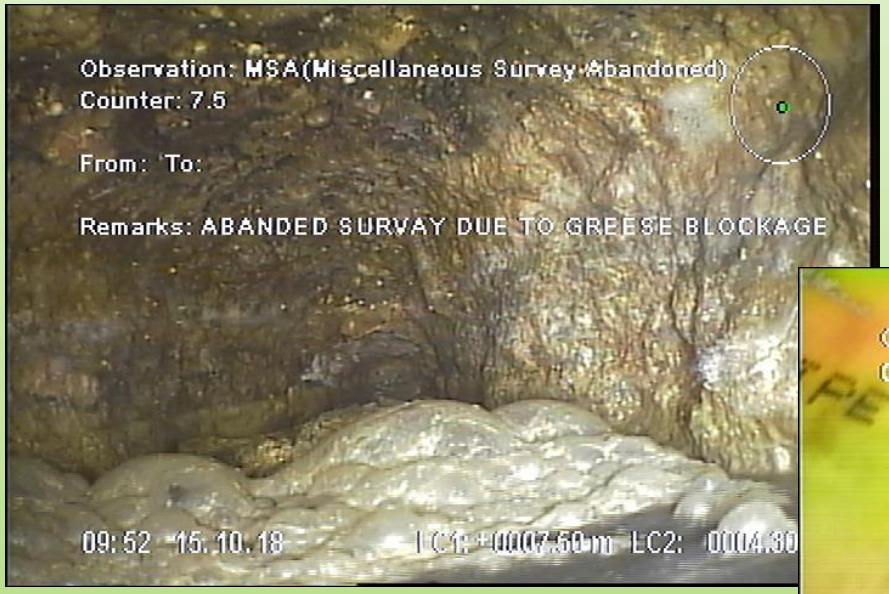
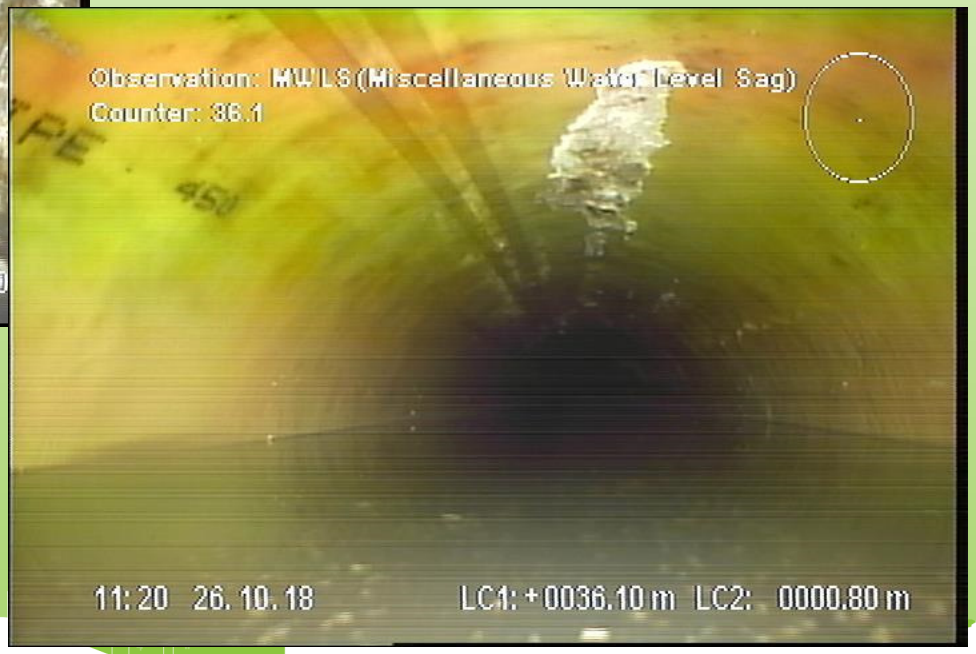
Project History



Clogged Sewer (Grease)

Cleaned Sewer (Lined Section)



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Project History

May 2013 – Creek Bank Slip
(no sewer failure)

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Project History

May 2013 - Emergency Work
Bank Stabilization &
Sewer Bypass Pipe

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Class EA Study

- 2010 – City retained RV Anderson to complete Schedule B Class EA Study:

  "The City of Greater Sudbury shall review alternatives to identify, evaluate and confirm the preferred long-term solution for the replacement of a sanitary sewer main known as the Gatchell Outfall Sewer"

- 2016 – EA completed

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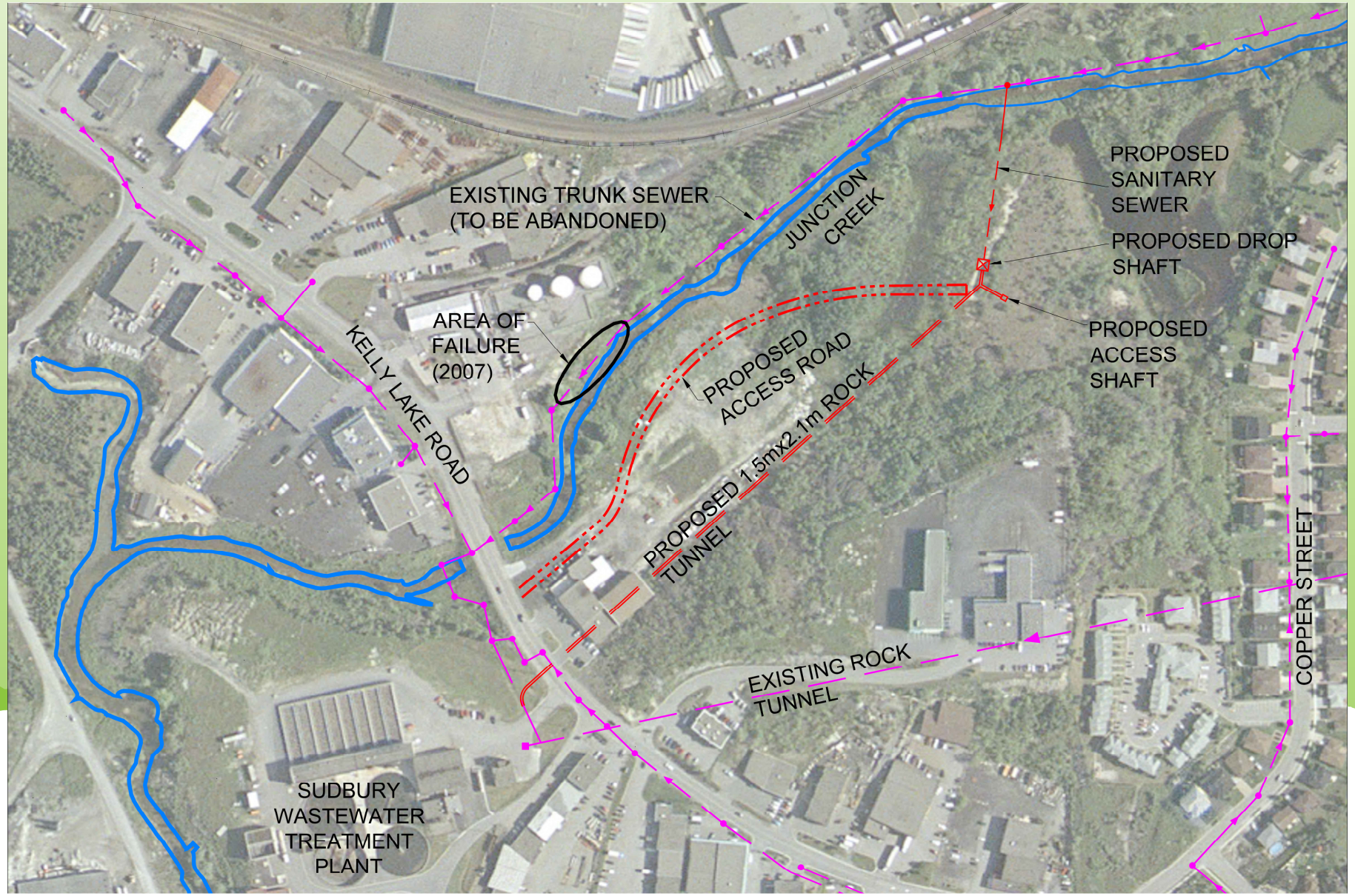
Recommended Solution



Recommended Solution

New rock tunnel extension to existing Gatchell rock tunnel

Benefits:

- Wastewater flow removed from high risk area
- Minimal long term operating costs
- Trail will be only maintenance cost
- Construct drop shaft to accommodate possible future Rock Tunnel expansion

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Next Steps - Project Schedule

- Fall 2018 - CGS retained RV Anderson (RFP process) to complete the detailed design, CA & inspection
- Fall 2019 - Detailed Design 30% Complete
- Spring 2020 – Detailed Design Complete
- Summer 2020 – 2022 Construction

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Next Steps – Budget Implications

Estimated Capital Cost = $9M

Funded from reserves & future water / wastewater rates

Details to be provided in a future report

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Questions / Discussion

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