



City of  
**Kelowna**

# Knox Mountain Geotechnical Engineering Project

August 22, 2022

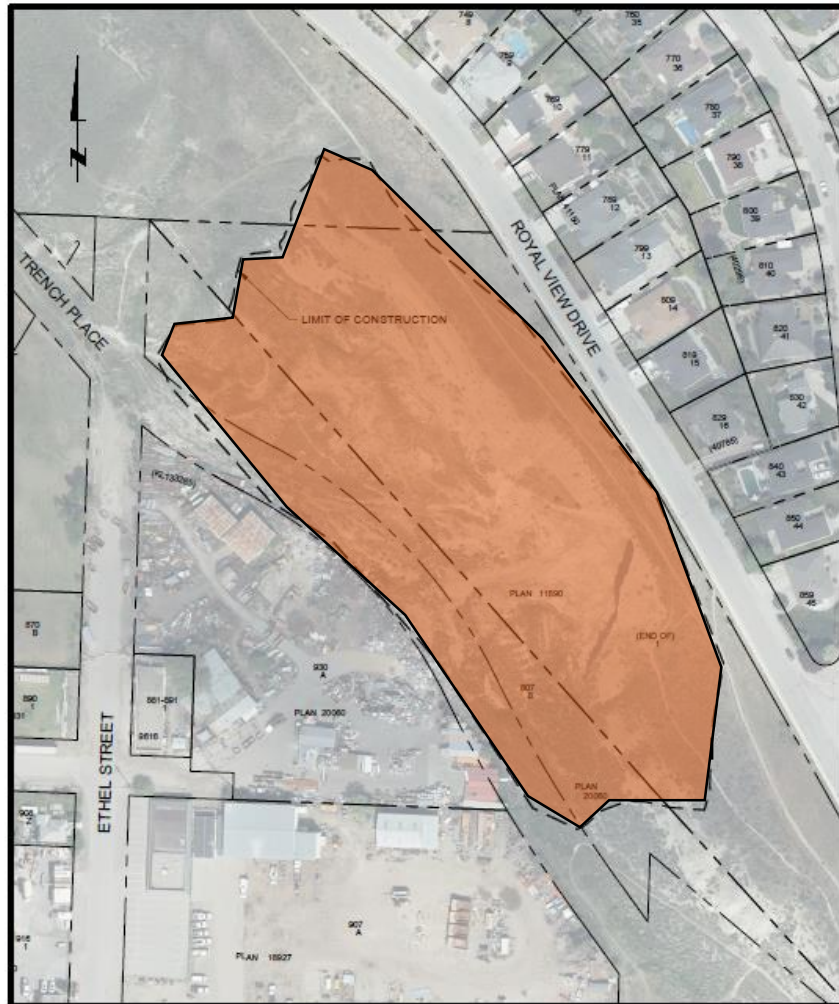
# Purpose

- ▶ To provide an update on the slope rehabilitation needs for the Knox Mountain Geotechnical Project.
- ▶ To present the budget needs to complete the final construction phase in 2022 and 2023.



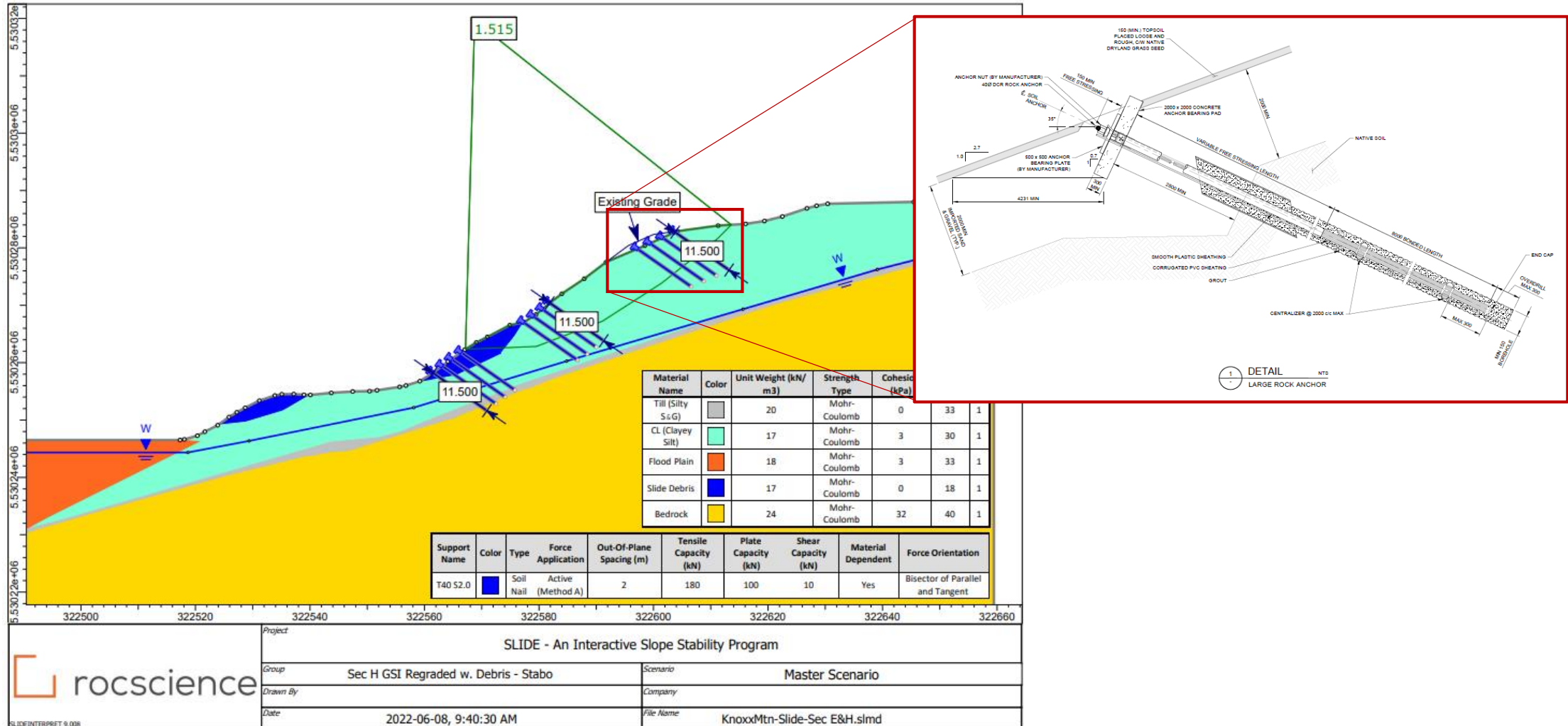


# Solutions



Aerial perspective of failed slope (2021)

# Soil anchor solution



SLIDEINTERPRET 9.008



# Project Cost Summary

Item	Amount	Notes
Expenditures to Date	\$520,000	Geotechnical Investigations, Instrumentation, Monitoring and Reporting, Solution Development, Design and Cost Estimating
Projected Construction Cost	\$4,316,000	Design-Build Estimate
Contingency & Administration	\$514,000	Applied 10% + administrative costs
<b>Updated Project Cost</b>	<b>\$5,350,000</b>	
Original Budget	(\$2,750,000)	From 2020, 2021 and 2022 Financial Plans
<b>Shortfall</b>	<b>\$2,600,000</b>	

# Outcomes

- ▶ Meets the City's objectives
  - ▶ A safe public feature
  - ▶ Protection of neighbourhoods and local business
  - ▶ Environmental improvements
  - ▶ Protects key City Infrastructure
  - ▶ Secure pricing
- ▶ Construction is ready to proceed.
- ▶ Resilient and lower risk solution

Thank You

