











# Foothills Hydrovac Facility

**Design and Construction** 

Stan Reimer, P.Eng.

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#### Introduction

Owner

FOOTHILLS REGIONAL SERVICES COMMISSION



Joe Angevine – Foothills Landfill Manager Design Consultant

NLR/AE CONSULTANTS



Stan Reimer – Project Manger/ Engineer of Record

Bob Jardine – Designer/ Landfill Specialist Geotechnical Consultant

THURBER ENGINEERING LTD.



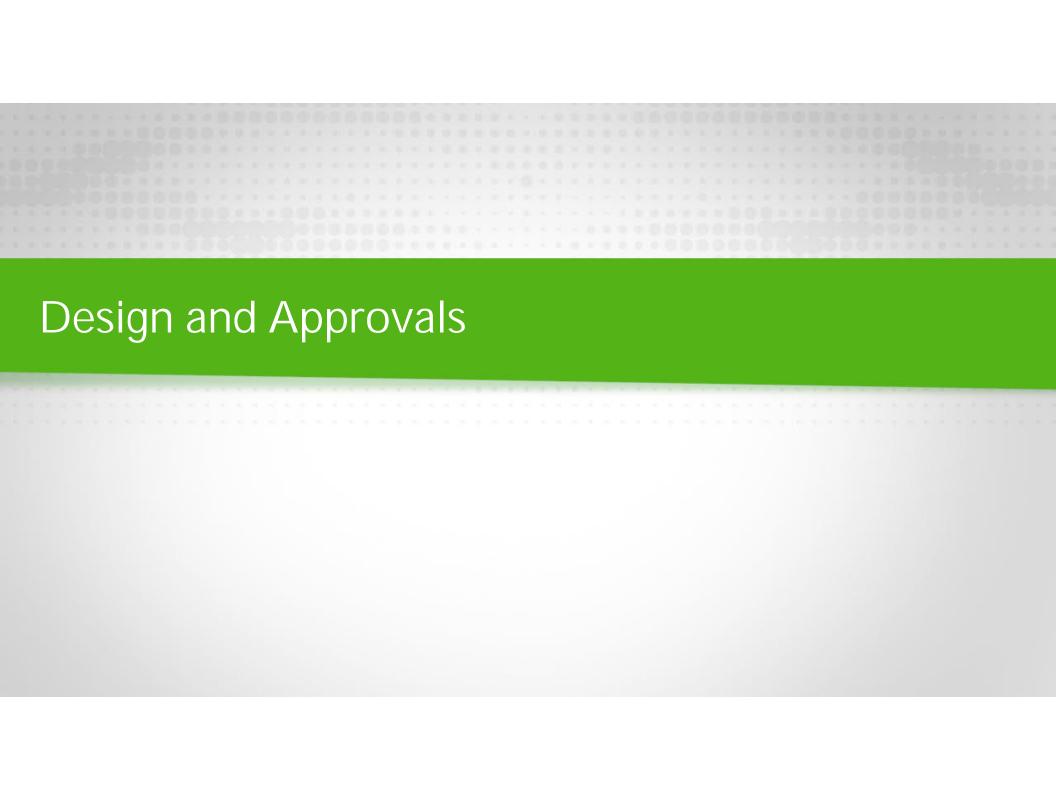
David Gorling – Project Manger Contractor

BLACKIE SITE WORKS LTD.



Harvey Leslie – Project Manger/ Owner





### Key Design Criteria / Challenges / Goals

Design Criteria Facility Location

Simplistic yet Versatile

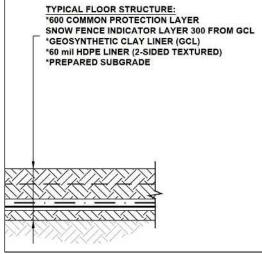
Access & Operations



# Key Design Criteria

- 2 Hydro-vac Retention Cells
  - Each can be operated independently
  - Approx. 8,000 m³ per retention cell
- Decanting Pond
- Facility Access
- Facility Location
- Containment Structure







Key Design Challenge Location





Key Design Goal Simplistic yet Versatile

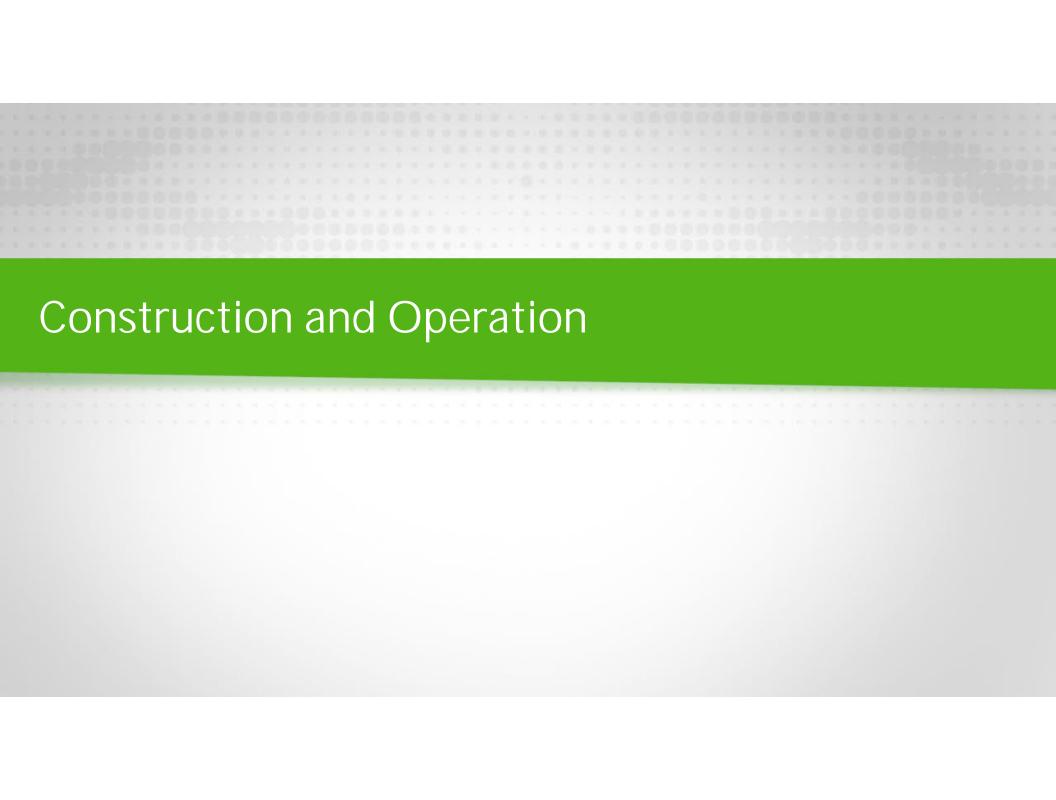




Key Design Goal Access / Operations







Key Factors For Success

- Material Selection
- Frequent Inspections
- Local Contractor
- Focus of Quality
- Team Mentality





Operation





# Operation





ACKNOWLEDGEMENTS











