



Idaho CERCLA Disposal Facility Expansion Project Update

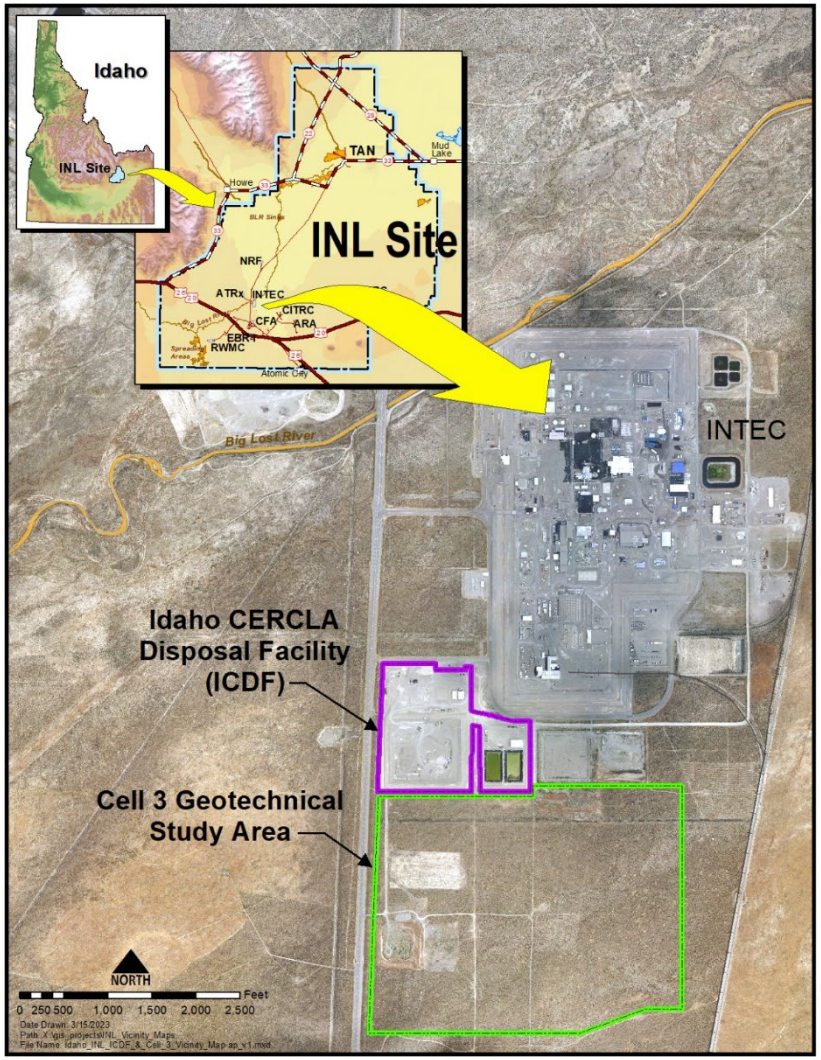
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Federal Project Director
ICDF Expansion Project

October 23, 2024

Purpose of the Idaho CERCLA Disposal Facility (ICDF)

- The ICDF provides central containment of onsite waste for long-term protection of human health and environment
- Consolidation of onsite waste to ICDF reduces risk of exposure of contaminants to human and ecological receptors



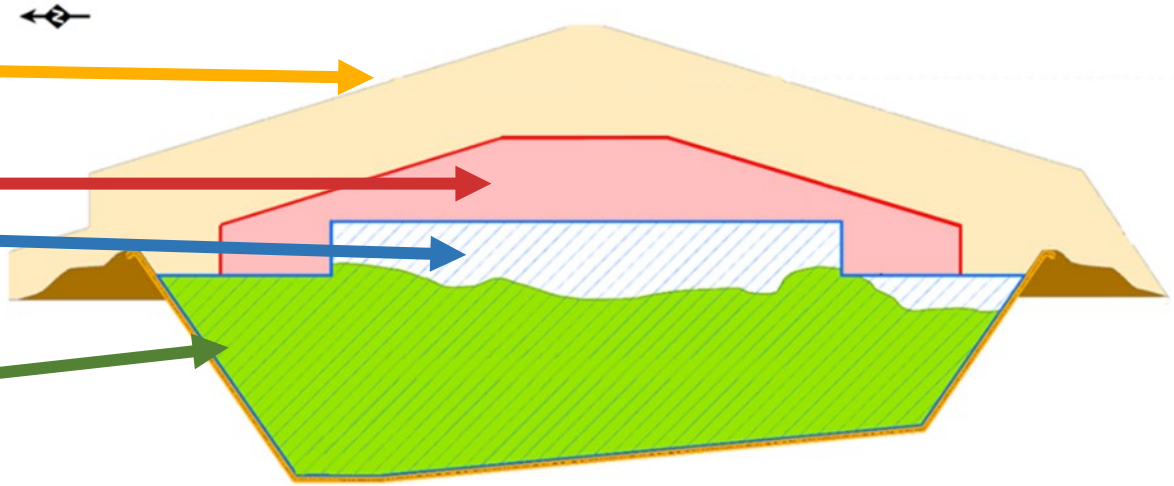


ICDF Expansion Project - Scope

- Increase the disposal capacity in the existing landfill cells (1&2)
  - Add 140,000 m^3 waste capacity
  - No change in cover/cap design
  - Continue to meets the Applicable or Relevant and Appropriate Requirements (ARARs)
- Add New landfill cell (cell 3) and evaporation ponds
  - Use design from existing landfill cells and evaporation ponds
  - Adds 530,000 m^3 of landfill disposal capacity
  - Use cover/cap design
  - Meets ARARs
- Extend Operational Life of ICDF Complex
  - From 2025 to 2050

Increasing Disposal Capacity for Landfill Cells 1&2

- No change in cover/cap design
- Add potential waste capacity ≅140,000 m^3
- Remaining disposal capacity ~80,000 m^3
- Placed Soils and Debris Waste ~310,000 m^3

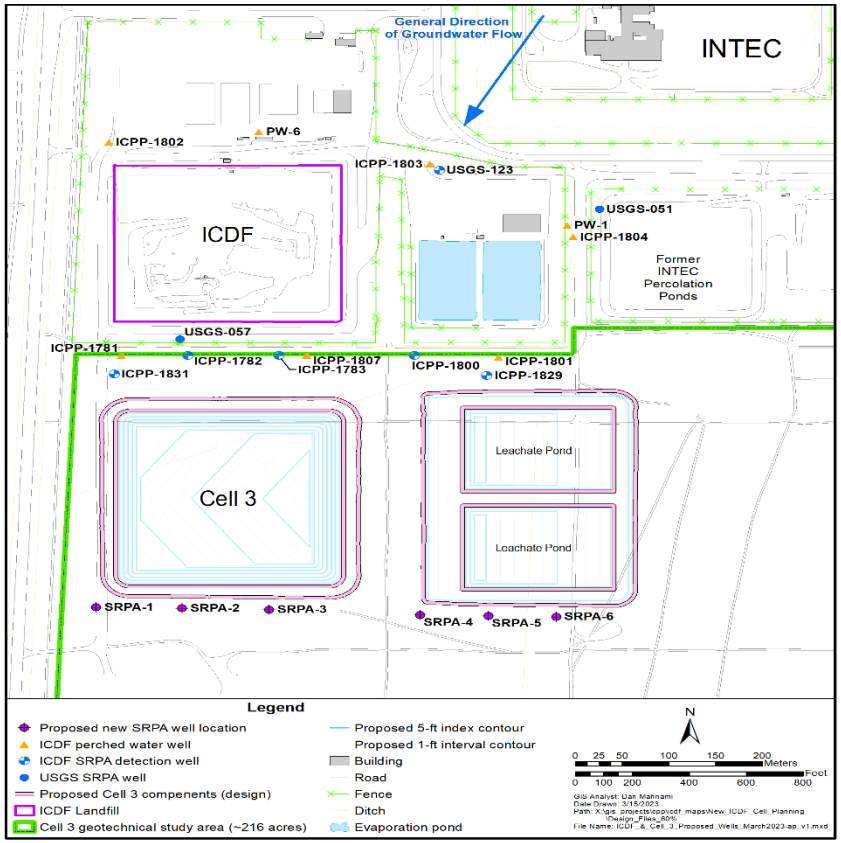




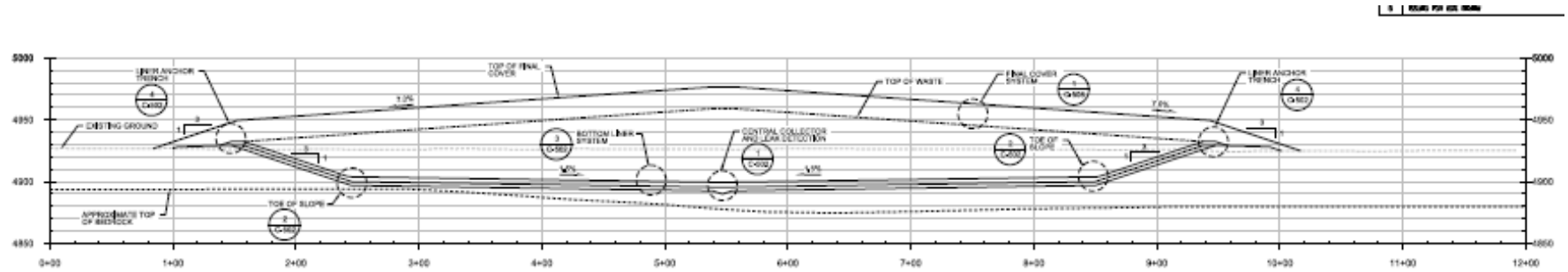
Profile Cross-section (September 22, 2019)

ICDF Landfill Cell 3 and Evaporation Ponds - Design

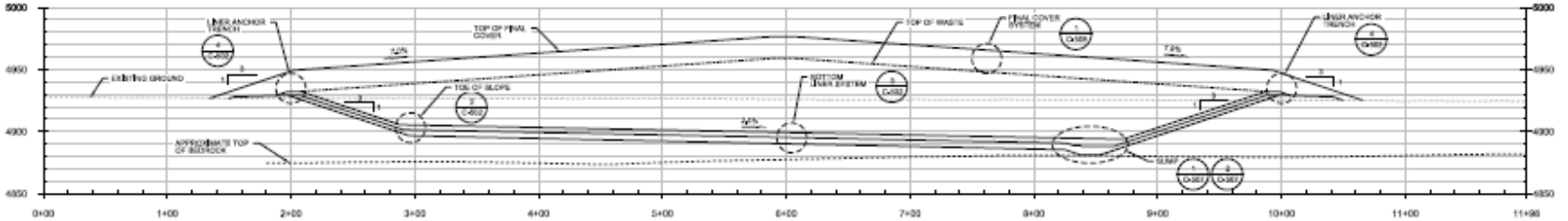
- New facilities (landfill cell 3 and evaporation ponds) located south of the existing ICDF facilities
- Orientation of the landfill changed to have sump and crest pad building on East side versus North side
- Orientation of the evaporation ponds changed to have sump and crest pad building on West side versus North side
- Landfill cell bottom lowered and berms height reduced from previous design
- Sump design changed to improve collection of leachate
- New Evaporation Ponds size increased to more efficiently manage leachate
- All four evaporation ponds will be interconnected for efficient leachate/water management
- Six new wells to monitor Aquifer



Lower Bottom and Reduced Berm Height of Landfill Cell 3

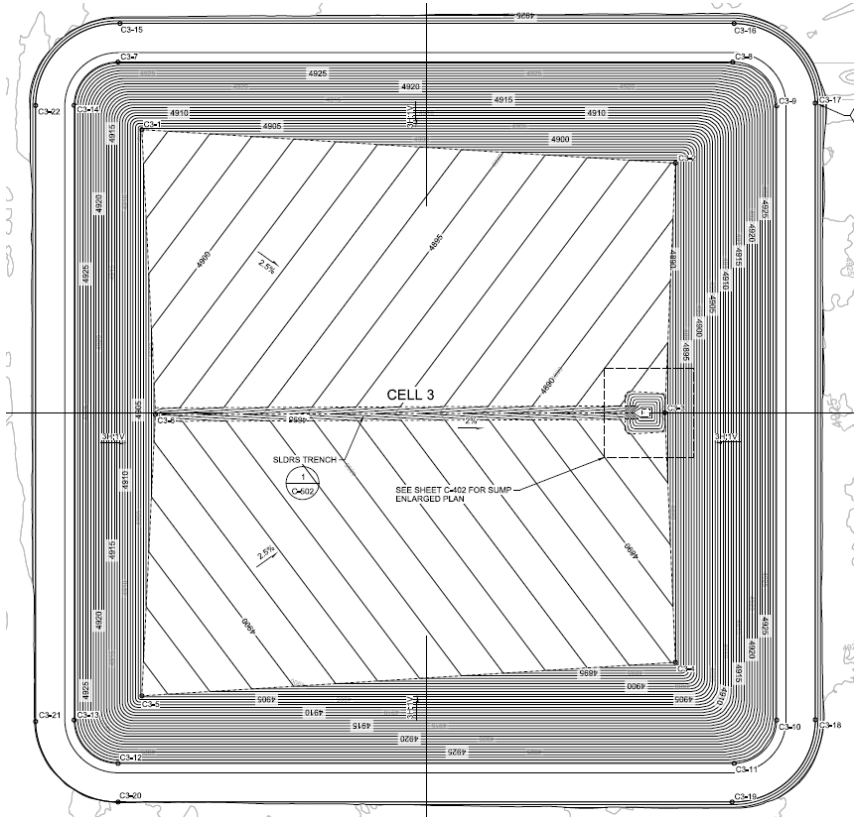


North – South Cross-Section

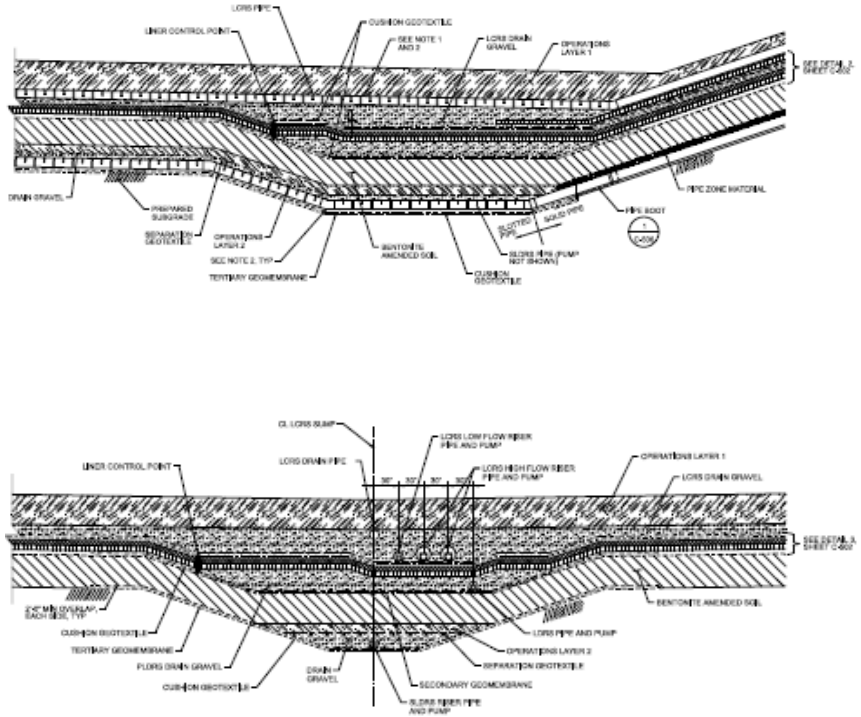


West – East Cross-Section

Improved leachate collection sump



Cell 3



Leachate sump design

Project Management – Phasing Approach

ICDF Expansion Subprojects:

- Project 1 Scope (underway):
  - Complete the design
  - Complete the site preparation activities
  - Complete the excavation of the landfill cell 3 site and evaporation ponds
  - Construct embankments and utilities
  - Procure the geosynthetic and liner materials, and
  - Complete drilling of 6 monitoring wells

- Project 2 Scope (May 2025 – May 2027):
  - Installation of the landfill and evaporation pond liners
  - Construction of the crest pad buildings (2)
  - Mechanical and instrumentation installation
  - Testing and startup

Project 1 Progress

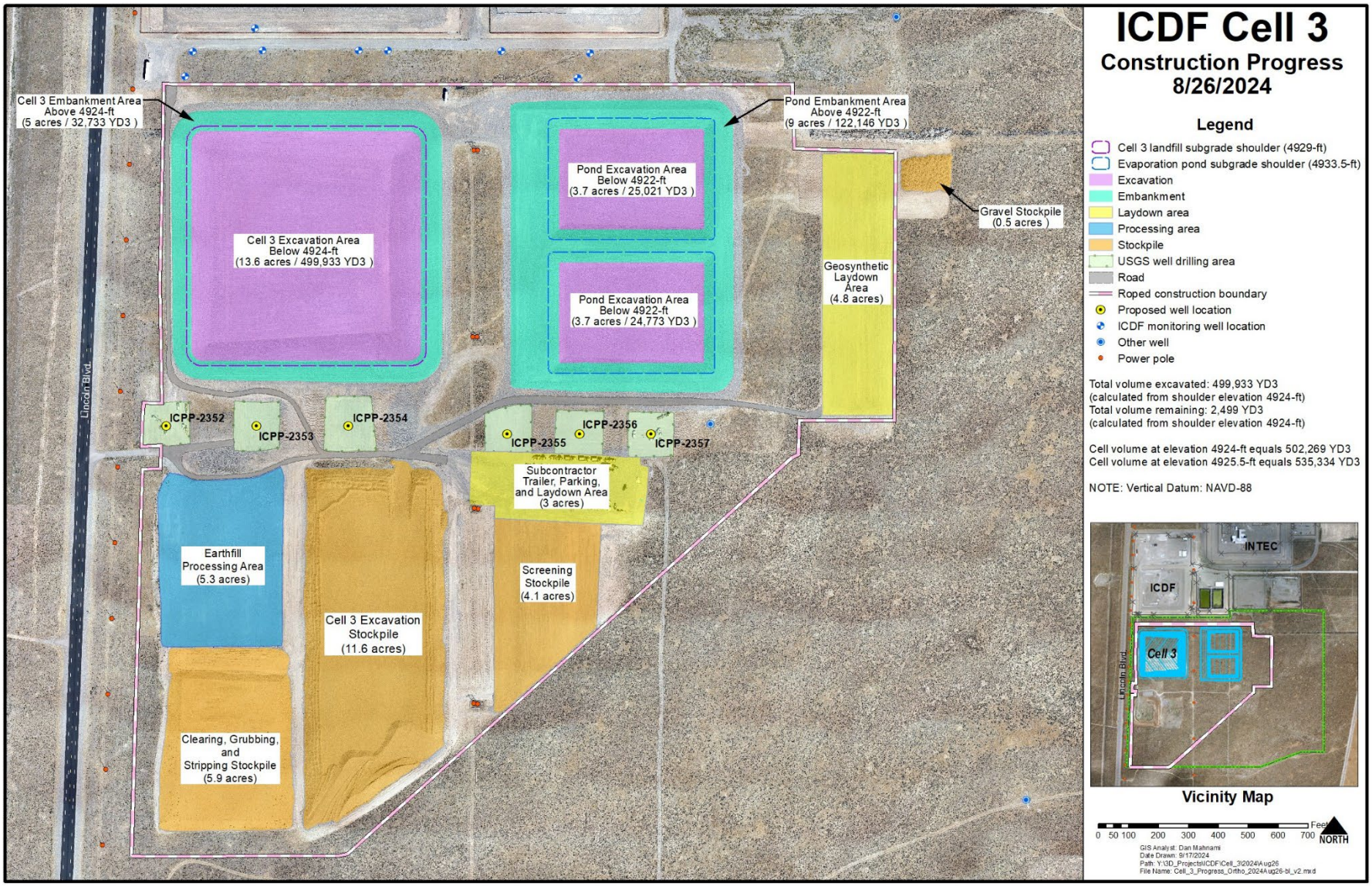
Completed Final Design of Cell 3 and Evaporation Ponds:

- Submitted to agencies – 01/25/2024
- Received agency approval – 03/01/2024

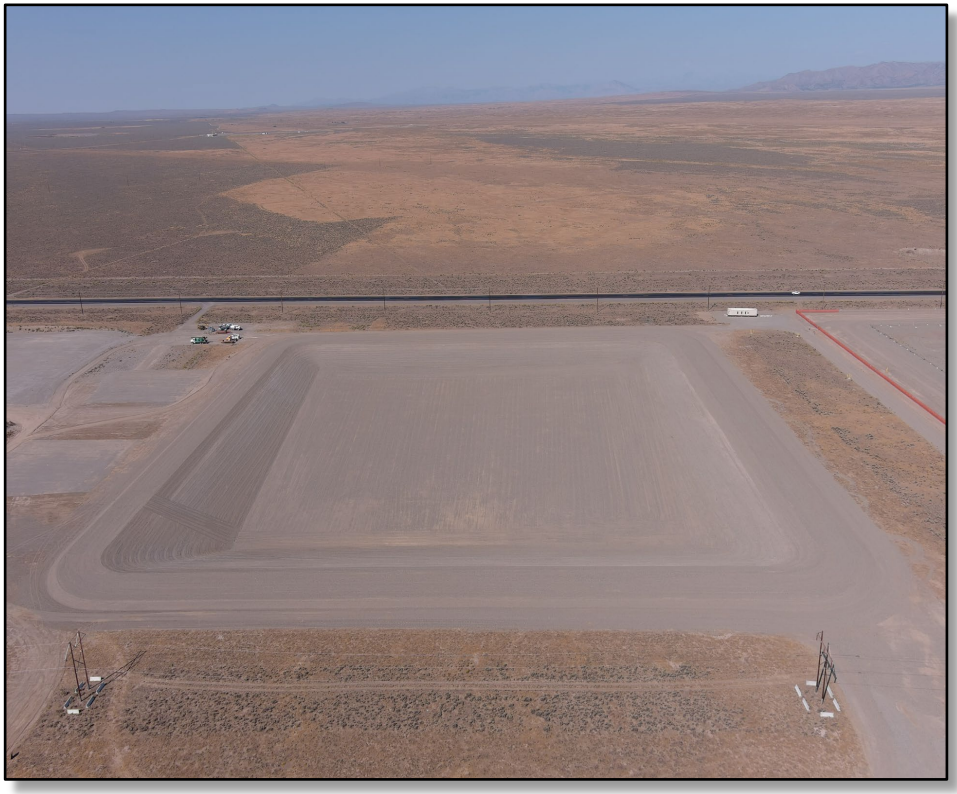
Site Preparation & Excavation - Final Quantities Completed & Finish Dates:

- Cleared/Grubbed - 35 Acres for Cell and Evaporation Ponds - 70 Acres total
- Cell 3 Excavation – 500,000 cubic yards – 08/14/2024
- Cell 3 Embankment – 33,000 cubic yards – 07/16/2024
- Evaporation Pond Excavation – 50,000 cubic yards – 06/06/2024
- Evaporation Pond Embankment 122,000 cubic yards – 07/29/2024

Cell 3 Construction Progress as of August 2024



Cell 3 – Excavation Complete



Cell 3



Cell 3 and evaporation ponds

Evaporation Ponds – Excavation Complete



Evaporation ponds



Earth Fill Stockpile



Earth fill stockpile



ICDF Expansion Project – Project 1



Before



After

Access Road Construction

Clearing and grubbing



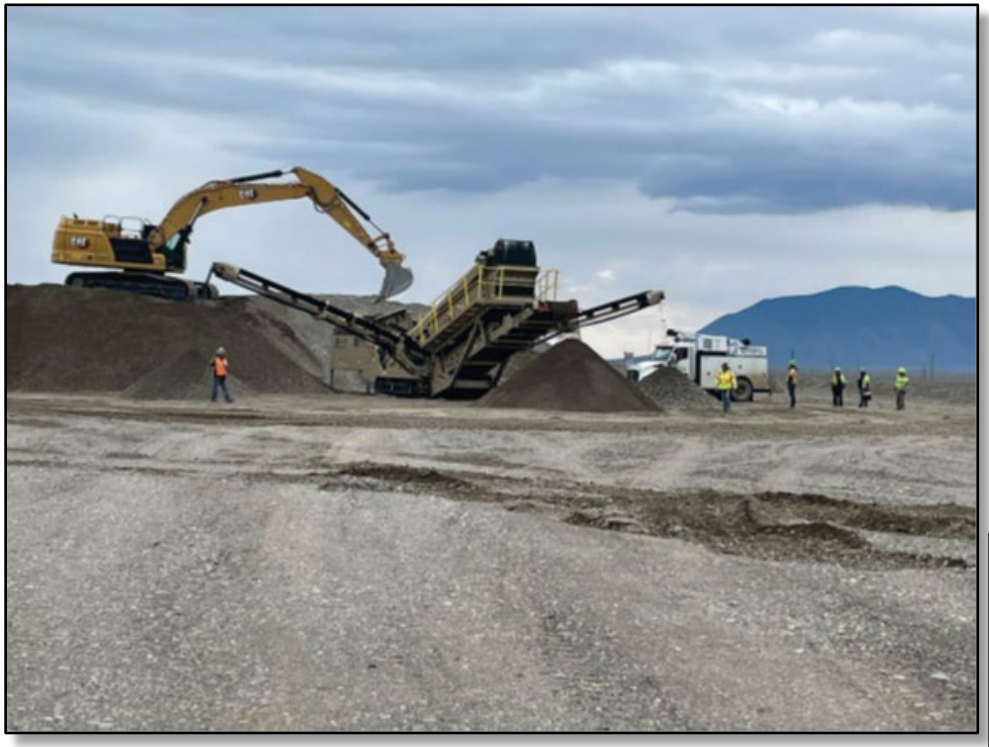




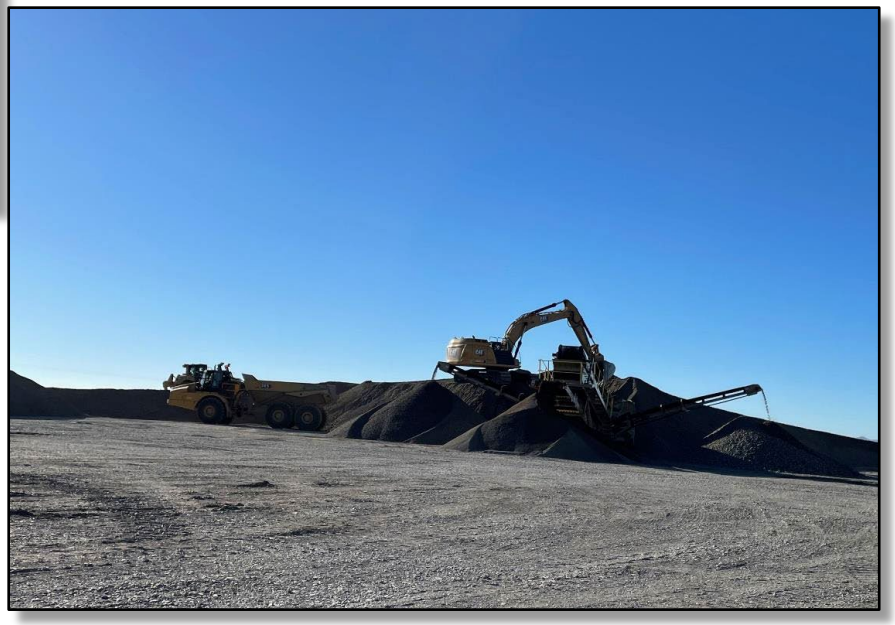


Subgrade Compaction

Soil Screening Operations



Soil screening



Construction Progress - Video



Questions?