

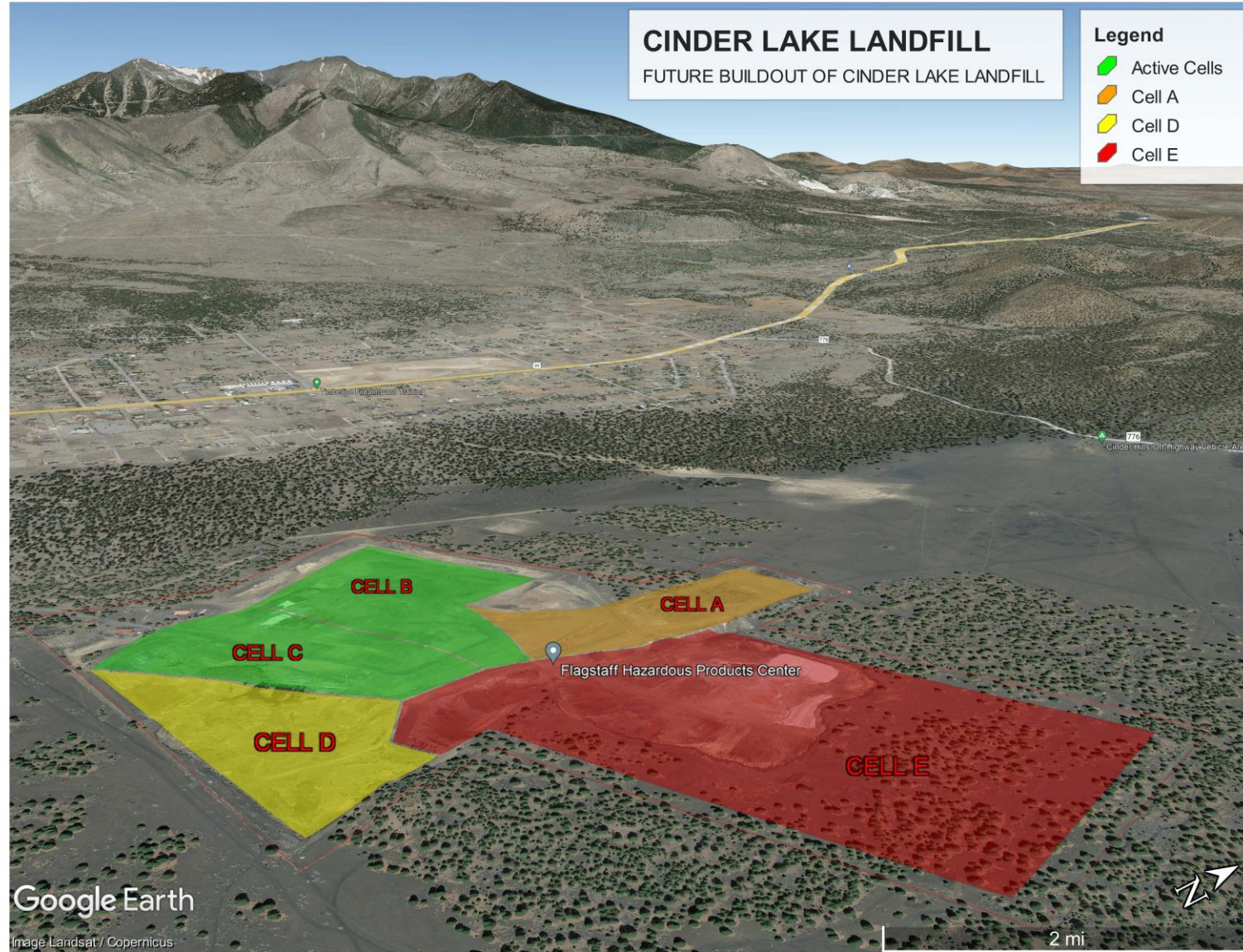
# Sequence D Phase-II Excavation & Design

**CINDER LAKE LANDFILL**





# SEQUENCE D-PHASE II





# SEQUENCE D-PHASE II



## Background

- Cinder Lake Landfill
  - 343 Acres
  - Current Operations
    - Sequence B and C
  - Future Operations
    - Sequence D
      - 33 Acres
      - Expected life-10 to 12 years
      - 200,000 Cubic Yards (cu. yd.) of soil excavation required
      - Needs to be ready in 3 years

CINDER LAKE LANDFILL-SITE PLAN  
CELL/SEQUENCE D EXCAVATION



PROPERTY BOUNDARY  
CELL NAME  
CELL A  
CELL B  
CELL C  
CELL D  
CELL E

0 0.1 0.2 0.4 Miles





# SEQUENCE D-PHASE II

## Phase I Completed Sept. 2021)

- Excavated 85,000 cu. yds.

## Phase II Major Milestones

- Revised Excavation plan
  - Engineering design & stockpile plan
- Construction
  - Soil excavation-200,000 cu.yd.
- Design and construction of leachate collection system (liner and piping)

CINDER LAKE LANDFILL-SITE PLAN  
CELL/SEQUENCE D EXCAVATION



PROPERTY BOUNDARY  
CELL NAME  
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CELL E

0 0.1 0.2 0.4 Miles



## Scope of Work

- Excavation Plan Elements
  - Stockpile and Staging
  - Establish excavation limits
- Landfill Design Elements
  - Basis of Design Memo
  - Geologic Testing (TBD)
  - Grading and Liner Plan/Design
  - Hydrology and Hydraulics
  - Engineer Cost Estimates
  - CQA
  - Construction Specifications

CINDER LAKE LANDFILL-SITE PLAN  
CELL/SEQUENCE D EXCAVATION



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CELL E

0 0.1 0.2 0.4 Miles





# SEQUENCE D-PHASE II



## Experience

- 36 years in landfill design
- Local Projects
  - Phoenix
  - Glendale
- Previous experience at Cinder Lake Landfill
  - 2018 Gas sampling & reporting



# SEQUENCE D-PHASE II

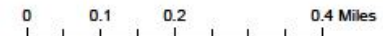
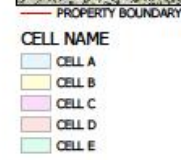
## Estimate for design services

- \$148,808.00

## Design and Construction Schedule

- Excavation Plan
  - 2-Years (design and construction)
- Landfill Design
  - 1-Year (includes design, review by regulatory agencies, and construction)

CINDER LAKE LANDFILL-SITE PLAN  
CELL/SEQUENCE D EXCAVATION



# Questions?

