

Visalia Landfill

Phase 4 Expansion Project (Cells 4 & 5)

Presented by

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Tulare County Solid Waste Department

June 2, 2020

Overview of Presentation

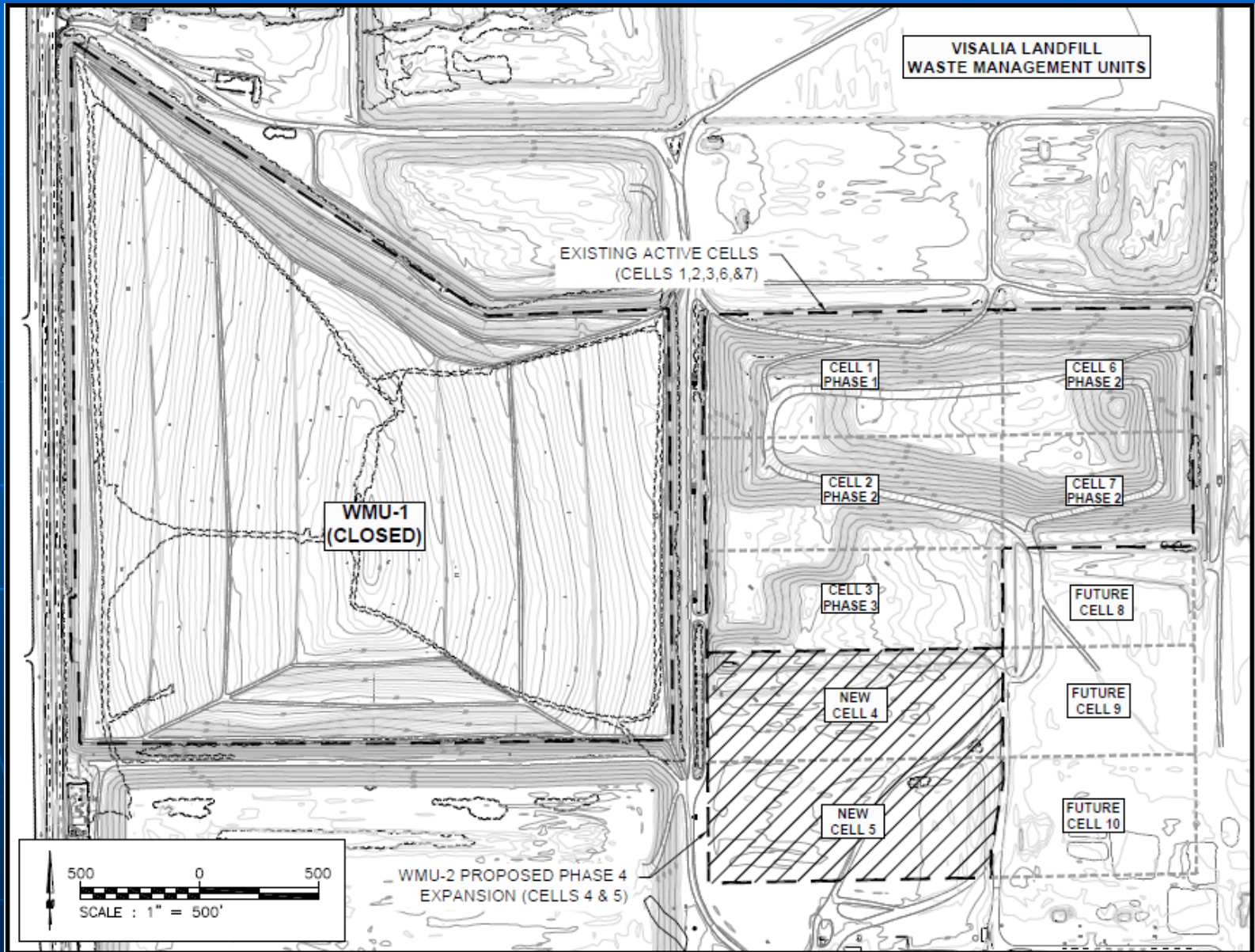
1. Waste Management Unit 2 Expansion

- Waste Management Unit 2 Design Map
- Waste Management Unit 2 Construction Layout
- Visalia Landfill Phase 4 Cost Summary
- Waste Management Unit 2 Timeline
- Phase 4 Project Timeline

2. Department Requests

3. Comments and Questions

Visalia Landfill WMU-2 Expansion Project



Visalia Landfill Waste Management Unit 2 Design

All Phases/Cells:

- **Double Composite Liner:**

24" Thick Soil Operations Layer

Primary Geocomposite Drainage Layer

Primary 60 mil High Density Polyethylene Plastic Liner

Primary Geosynthetic Clay Liner

Primary Liner System

12" Thick Soil Separation Layer

Secondary Geocomposite Drainage Layer

Secondary 60 mil High Density Polyethylene Plastic Liner

Secondary Geosynthetic Clay Liner

Secondary Liner System

Engineered Soil Subgrade

- **Leachate Collection and Removal System:**

Collection Sumps for Each Liner

Automated Pumping System and Holding Tanks

- **Access Roads and Drainage Features**



Phase 4 Expansion- Cells 4 & 5

Phase 3 Expansion- Cell 3

Phase 2 Expansion- Cell 2

VISALIA LANDFILL EXPANSION SITE

Visalia Landfill Waste Management Unit 2 Timeline

2003

- Board of Supervisors awarded contract for Phase 1 (Reso. 2003-0336)
 - Cell 1- approximately 13 acres
 - Cost– approximately \$4 million

2008

- Board of Supervisors awarded contract for Phase 2 (Reso. 2008-0235)
 - Cells 2, 6 & 7– approximately 29 acres
 - Cost– approximately \$8.8 million
 - Cumulative Capacity– 4.5 million Cubic Yards

2017

- Board of Supervisors awarded contract for Phase 3 (Reso. 2017-0647)
 - Cell 3– approximately 12.4 acres
 - Cost– \$3.9 million (\$320,000/acre)
 - Capacity– 1.7 million Cubic Yards

2020/2021

- Visalia Landfill Phase 4 Expansion
 - Cells 4 & 5- 28 acres
 - Cost– approximately \$304,000/acre
 - Capacity– 3.5 million cubic yards

Visalia Landfill Phase 4 Expansion Project Cells 4 & 5 Cost Summary

Construction Contract- Sukut Construction LLC	\$8,132,806*
10% Contingency	<u>813,281</u>
Total Budgeted Contractor Cost: \$8,946,087	
Construction Quality Assurance (CQA)- EBA Engineering	891,972*
10% CQA Contingency (Reso. 2020-0113)	89,187
Construction Management- RMA	50,000*
Solid Waste Administration	<u>50,000*</u>
Total Expected Project Cost (less contingencies): \$9,124,778*	
Total Contingencies: \$902,468	
Future Cell Construction Reserve Balance- May 31, 2020:	\$10,130,860

Visalia Landfill Phase 4 Expansion Project Timeline

- Approve Phase 4 plans and advertise construction project for bids
 - April 7, 2020 (Board Resolution 2020-0167)
- Unseal Contractor Bids
 - May 6, 2020
- Award Construction Contract for Visalia Landfill Phase 4 Expansion
 - June 2, 2020
- Construction Duration- 180 working days
- File Notice of Completion Phase 4 Expansion–January 2021
- Submit Construction Quality Assurance Certification to Regional Water Quality Control Board and CalRecycle– January 2021
- Spring 2021 – Begin accepting waste in Cells 4 & 5

Department Requests

1. Approve and award a construction contract to the lowest, responsive, responsible bidder, Sukut Construction LLC, in the amount of \$8,132,806 for the Visalia Landfill Phase 4 Expansion Project.
2. Authorize the Chair to sign four (4) copies of the contract.
3. Approve Contingency Funds in the amount of \$813,281 to cover the cost of unexpected construction conditions.

Comments or Questions?