



Subsurface Disposal Area (SDA) Cap

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EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

Idaho Cleanup Project

Refresher on SDA Cap

- The 2008 CERCLA WAG 7 ROD
 - Surface barrier (aka cap), remedy component
 - Agencies approved an evapotranspiration (ET) surface barrier
- Ideally suited for low rainfall desert environments



Aerial View of RWMC and SDA (looking southeast)



Left: AMWTP waste processing facilities
Right: ARPs in the SDA
Background: Big Southern Butte



RWMC Closure Vision



Artistic rendering of final RWMC end state



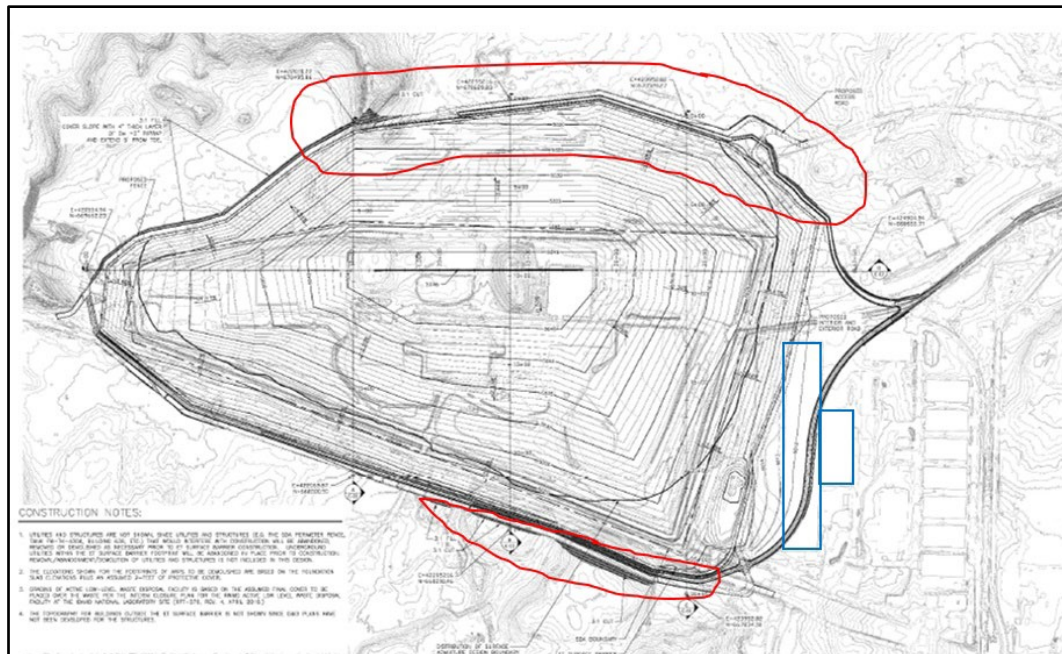
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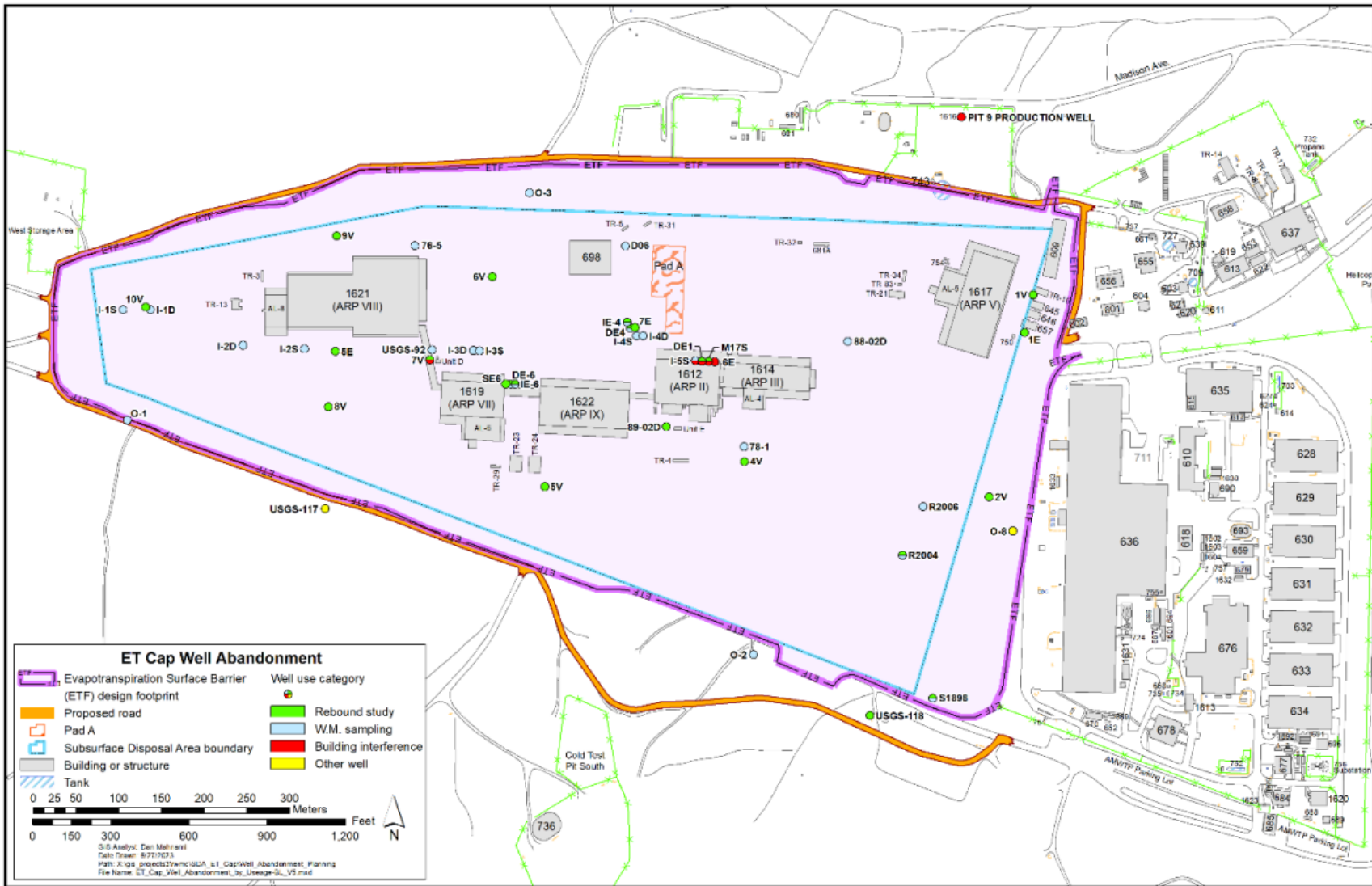
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Recent Redesign Improvements

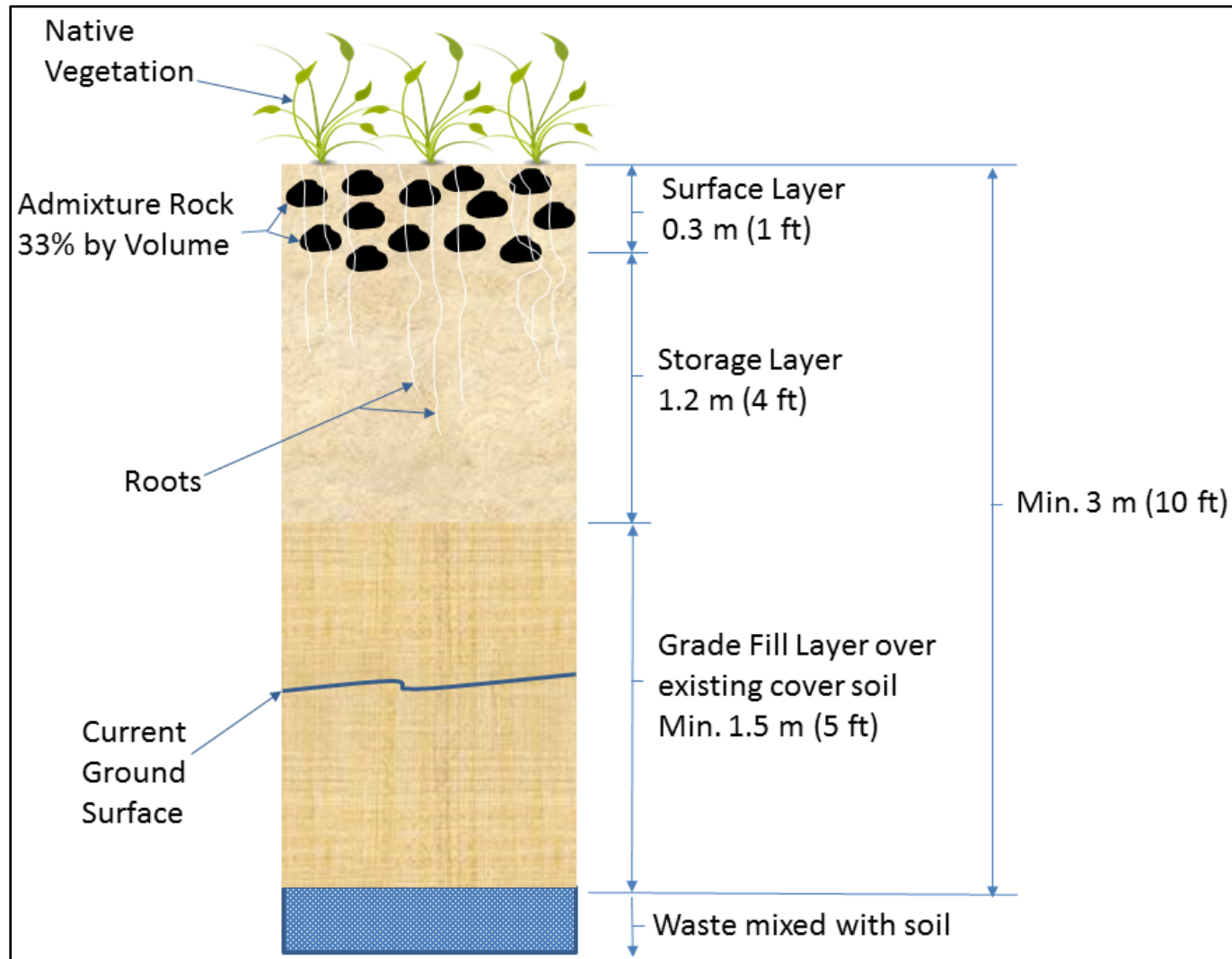
- Removal of the Transuranic Storage Area - Retrieval Enclosure (TSA-RE) from the cap footprint.
- Avoid basalt on the North and Southeast of the CAP
- Adjust the location of the drainage ditches
- Reduction in overall footprint



Improved SDA Cap Footprint



SDA Cap Vertical Profile



Borrow Locations for Cap Materials

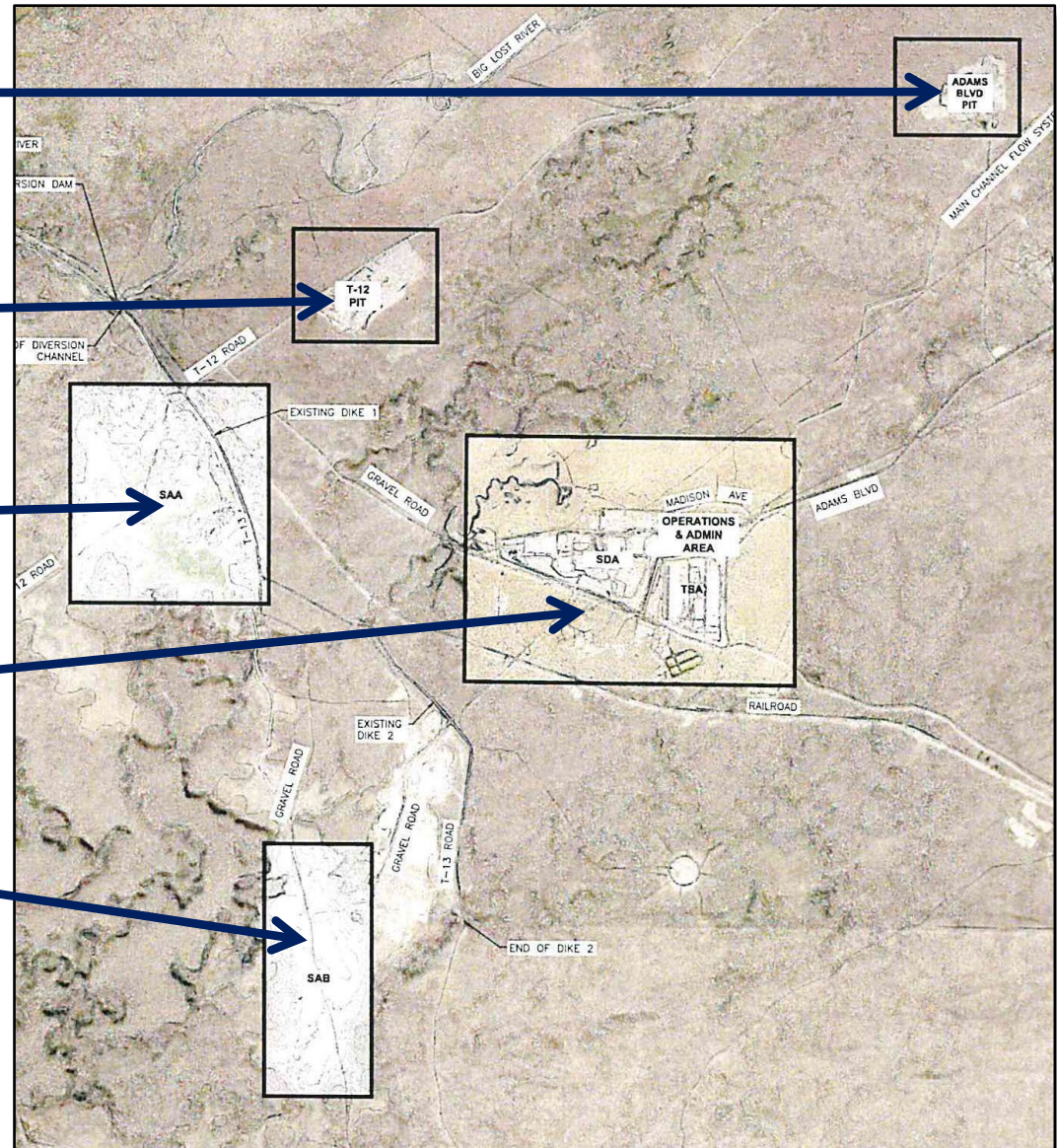
Adams Pit

T-12 Pit

Spreading Area A

RWMC

Spreading Area B



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Key Public and Tribal Input

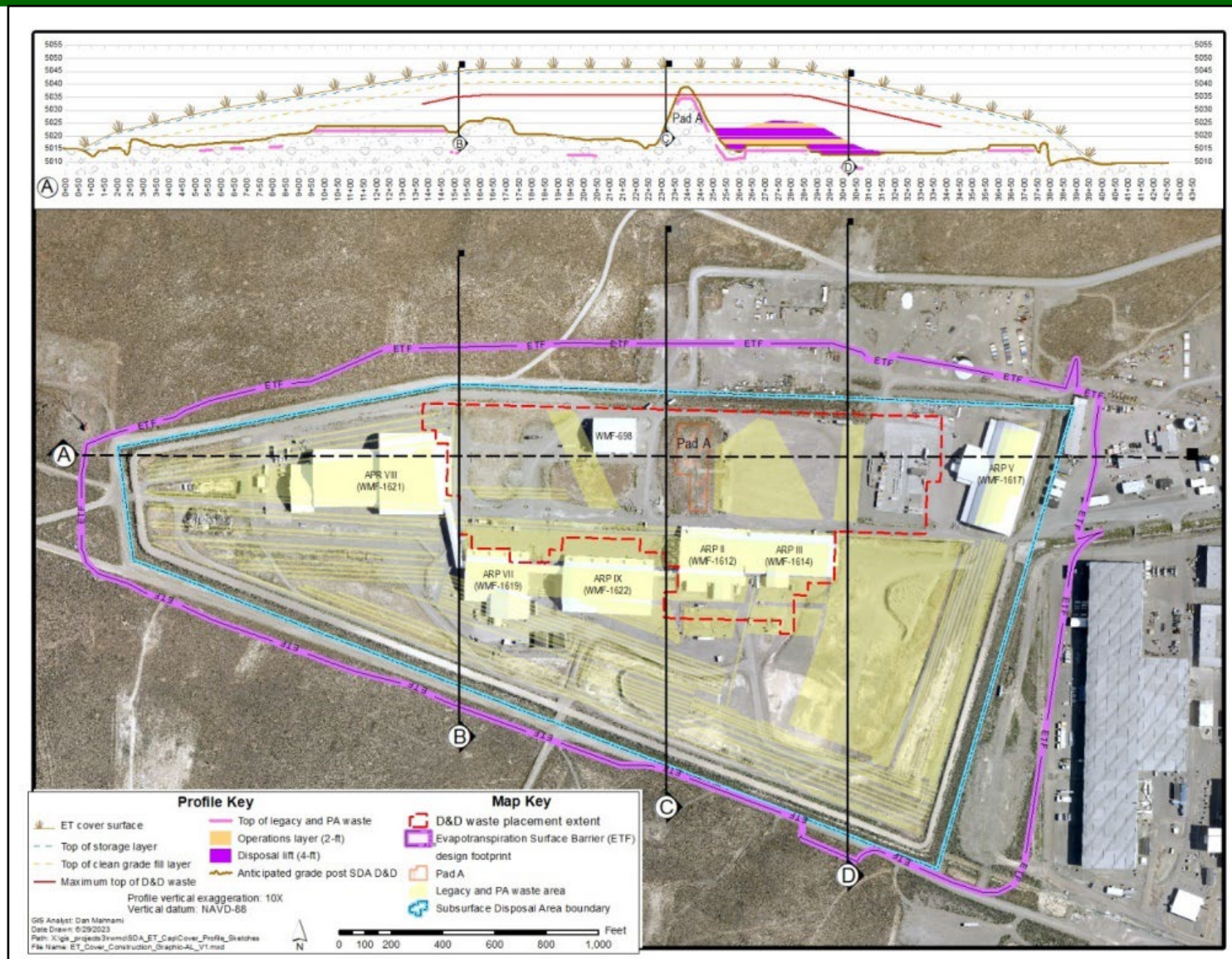
- Maintenance and Monitoring for long-term performance
- Climate events evaluated in the design
- Potential cultural resource impacts mitigated
- Indigenous flora established on the cap
- Regulatory agencies approve the performance standards in design
- DOE ensuring institutional controls (ICs) and monitoring programs



Back Up Slides



SDA Cap Elevation



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