

Measure J Project Update



10/18/2023



Projects In Progress Series B

Science Building Aerial View





Science Schedule

DSA Approval Increment 1, 2, 3 – October 2022 – October 2023

Increment 1 (Demolition and Site) approved by DSA – October 10, 2022

Increment 2 (Building) approved by DSA – September 21, 2023

Increment 3 (Solar/Planetarium) expected DSA approval October 25, 2023

Construction Phase – April 2023 – May 2025

Substantial completion May 2025

Final Completion July 2025

Classes Begin – August 2025

JUNE



**Footings for
the Flagpole**



**Existing infrastructure -
removed/rerouted/replaced**



August
A ton of
digging!



**September
Preparing for building
footings/pad/etc.**







Site Work Continues



Equipment &
Trenches
Everywhere





Safety is our Priority!





Unique to our project

Science Milestones

- October/November Getting site ready for slab
- December/January Slab on grade complete for main building & Planetarium
- February/March/April Building equipment delivered to site (Lab equipment/solar panels/inverters/Fire Alarm/generator/ Equip etc.)
- May/June Roof level concrete/Structure complete for main & Planetarium
- June PGE Transformer delivery to site
Power for the Building



Watch the Progress

Butte College - Science Building & Planetarium CAM 1

<https://cams.clarksullivan.com/butte1>

Butte College - Science Building & Planetarium - CAM2

<https://cams.clarksullivan.com/butte2>



Infrastructure

- **ADA Pathway Improvements**
- **ADA Classroom Improvements**
- **Fire Life Safety Upgrades**
 - Fire Alarm System Campus Wide
 - CDC – WLR – MLR – Complete**
 - MA-Farm Shop-Horticulture-PSTC - Next**
- > **Energy Efficient Projects**
 - Add 10 EV Stations at Skyway Center - Complete



ADA Classroom Improvements – Mechanized Agriculture/Construction/HVAC



Getting the Site Ready





Portables Moved



New Home of Mechanized Ag/Construction/HVAC

Projects in Series C - \$50M

- **Science - \$41.5M**
 - Construction March 2023 – May 2025
 - Classes Begin – August 2025
- **Physical Science Remodel Planning - \$500K**
 - Programming has begun
- **IST Upgrades - \$2M**
 - Support New Science Building
 - Support Physical Science Remodel
 - Smart Classroom Technology
 - Replace older failing switches
 - Technology Infrastructure
- **Facilities Infrastructure - \$6M**
 - Infrastructure for Science & Planetarium
 - Infrastructure for Physical Science Remodel
 - Gas Line Replacement
 - Parking Lot and Sidewalk Repairs
 - Energy Projects (Lighting, Solar, Commissioning, EV Stations)
 - ADA Pathway Improvements
 - Fire Alarm System and Emergency Notification Replacement






Physical Science Remodel



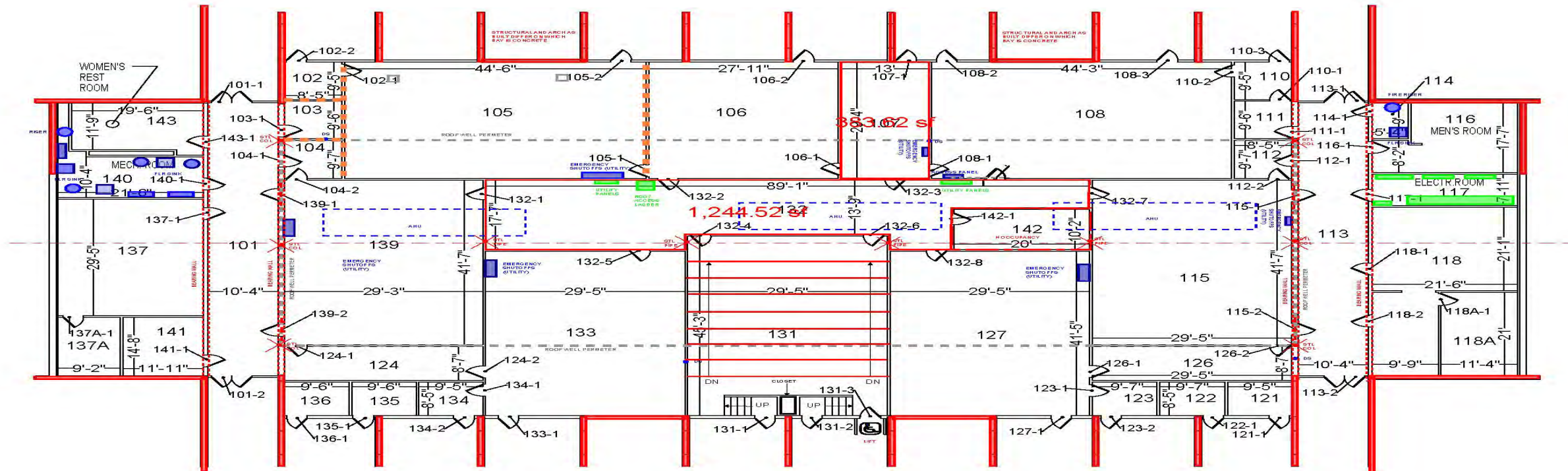
Project Constraints – Existing Structure + Budget

- Existing Facility: Structural, Electrical, Equipment
- Construction Budget: \$7.2m




LEGEND

	MECH/PLUMBING
	STRUCTURAL
	ELECTRICAL

PHYSICAL SCIENCE- EXISTING BUILDING CONSTRAINTS

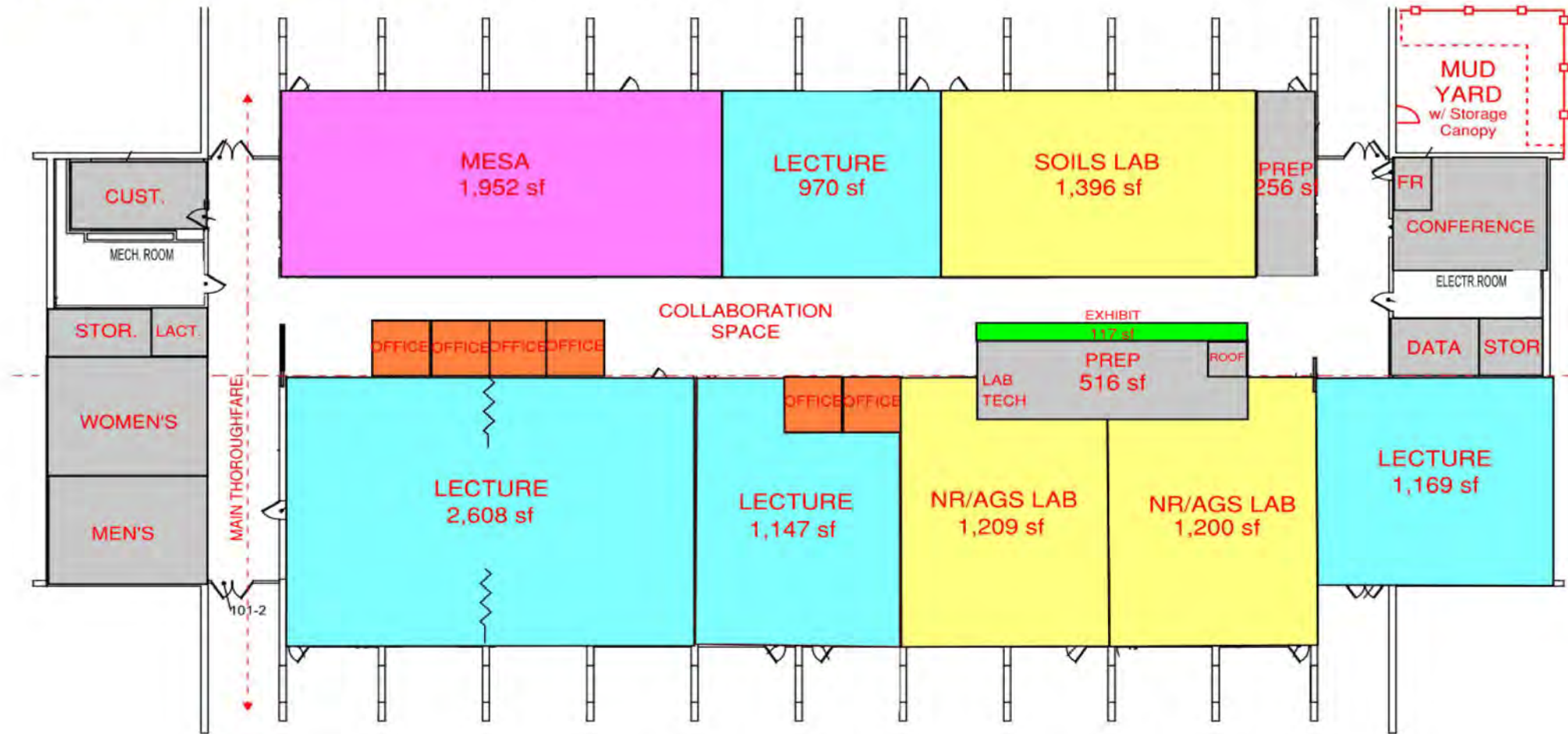


LEGEND

	MECH/PLUMBING
	STRUCTURAL
	ELECTRICAL

--- Non Structural Demo

Physical Science | Concept 2.v2



Proposed Plan

Physical Science | Project Schedule

1. Programming / Existing Building Review September 2023 – October 2023
2. Preliminary Plans Phase November 2023 – January 2024
3. Construction Drawings January 2024 – March 2024
4. DSA Project Review March 2024 – September 2024
5. Bidding / Board Approval October 2025 – January 2025
6. Pre-Construction: Submittals / Procurement February 2025 – August 2025
7. Construction September 2025 – September 2026
8. District Move-In October 2026 – December 2026
9. Classes Begin January 2027

Sidewalk/Lighting Improvements



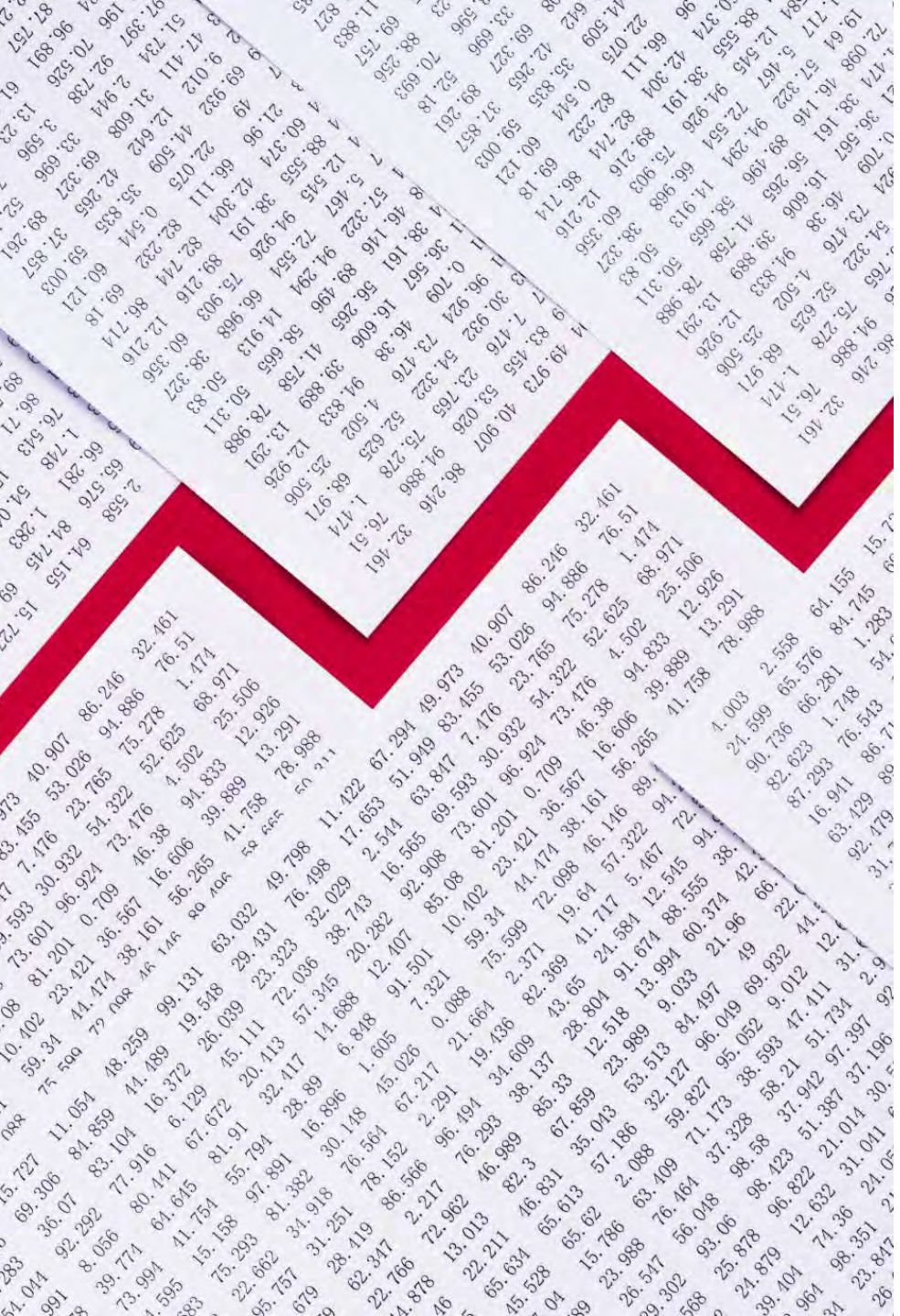
Construction Challenges

- **Maintaining Established Bond Project Budgets without jeopardizing scope**
- **DSA**
- **Materials & Labor Shortages**
- **Skilled Trained Workforce Requirements – Not Required for Physical Science**
- ***Hard Bid***
 - Managing Change Orders – Industry Standard is 15 – 30%
- **Cost Escalation**
 - Material prices have not leveled out and have not returned to pre-pandemic cost points
 - Longer lead times
 - Shipment Delays

Our Plan

- Consider all construction delivery systems and choose based on what is best for the District at the time. (Not one size fits all)
- Manage project budgets by “designing” to the budget and include cost escalations in the budget
- Utilize District Standards and focus on total cost of ownership when designing of the building.
- KISS every project (Keep It Simple Strategy)





Cash Flow Spreadsheet

Remaining Bond Project Sequence

Series D (May 2025 – May 2028) - \$26.9M

- Physical Science Remodel - \$9.5M
- Life Science Remodel for Veterans and Student Services - \$10M
- Removal of Portables for Veterans and Student Services - \$500K
- I.T. Upgrades - \$2.5M
- Facilities Infrastructure Upgrades - \$4.4M

Series E (May 2028 – May 2030) - \$21.6M

- Law Enforcement Training Center - \$16M
- Athletics - \$1.5M
- Facilities Infrastructure Upgrades - \$2.1M
- I.T. Upgrades - \$2M

Project Bond Allocations - \$190M

- **Welding Building \$23M:** Complete
- **Skyway Center Remodel \$2.5M:** Complete
- **Scenario Village \$1M:** Complete
- **Technology Building Remodel \$5M:** Complete
- **Athletics \$12M:**
 - **Phase I - \$10.5M** – Complete
 - **Phase II - \$1.5M** – Athletic Program Needs
- **Facilities Infrastructure \$25.5M:** This project replaces the PVC gas lines, broken storm drains and sewer lines, improves deteriorated parking lots and service roads, and makes upgrades to meet newer accessibility requirements, mechanical repairs, energy efficiency projects.
- **I.T. Upgrades \$11M:** This project updates the College's technology infrastructure to alleviate information security issues and provides instruction technology to meet faculty and student needs.
- **Science Building \$73.5M:** This project provides a new Sciences Building that meets current and projected needs for the Physical and Life Science programs.
- **Physical Science Remodel \$10M:** This project will renovate the existing Physical Science building to accommodate classroom space for Agriculture, Natural Resources, Horticulture and MESA Programs
- **Life Science Remodel for Veterans and Student Services \$10M:** This project will renovate the existing Life Science building to accommodate the Student Services Programs to include Veterans Center. The result will be permanent space for Student Services programs.
- **Law Enforcement Training Center \$16M:** This project would complete the Public Safety Training Area.
- **Remove Student Services Portables \$500K**