

Measure J Update



05/31/2023

Projects Complete Series B

Facilities Infrastructure

Upgrade DSPS Cart Stops
Waste Water Equipment Upgrade





DSPS Cart Stop Locations





Projects In Progress Series B

- **Science**
- **IST Upgrades**
 - > **Technology Infrastructure**
 - > **Smart Classroom Upgrades**
- **Facilities Infrastructure**



Science

DSA Review Increment 1, 2, 3 – October 2022 – September 2023

Increment 1 (Demolition and Site) approved by DSA

Increment 2 (Building) Looking for approval in October 2023

Increment 3 (Solar and Planetarium) Looking for approval in September 2023

Construction Phase – April 2023 – May 2025

Increment 1 Demolition and Building Site construction began April 1, 2023

Increment 2/3 Building – Construction begins September 2023

Projects substantial completion May 2025

Final Completion July 2025

Classes Begin – August 2025 – **This may change depending on DSA**

Science Groundbreaking April 12, 2023





Groundbreaking Ceremony



Demo Begins













Demo Continues

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

- > **Gas line Replacement** – New Science Area
- > **ADA Pathway Improvements**
- > **ADA Classroom Improvements**
 - MA/HVAC/Engineering/Construction Programs
- > **Electrical & Fire Life Safety Upgrades**
 - Upgrade Fire Alarm System at AHPS North/South
- > **Energy Efficient Projects**
 - Upgrades to Solar Phase 1 & Phase II
 - Add 10 EV Charging Stations at Skyway Center



Repurpose Swing Space



Getting Ready for the Move



Getting Ready for the Move



DSA Impact of Project



Getting the Site Ready

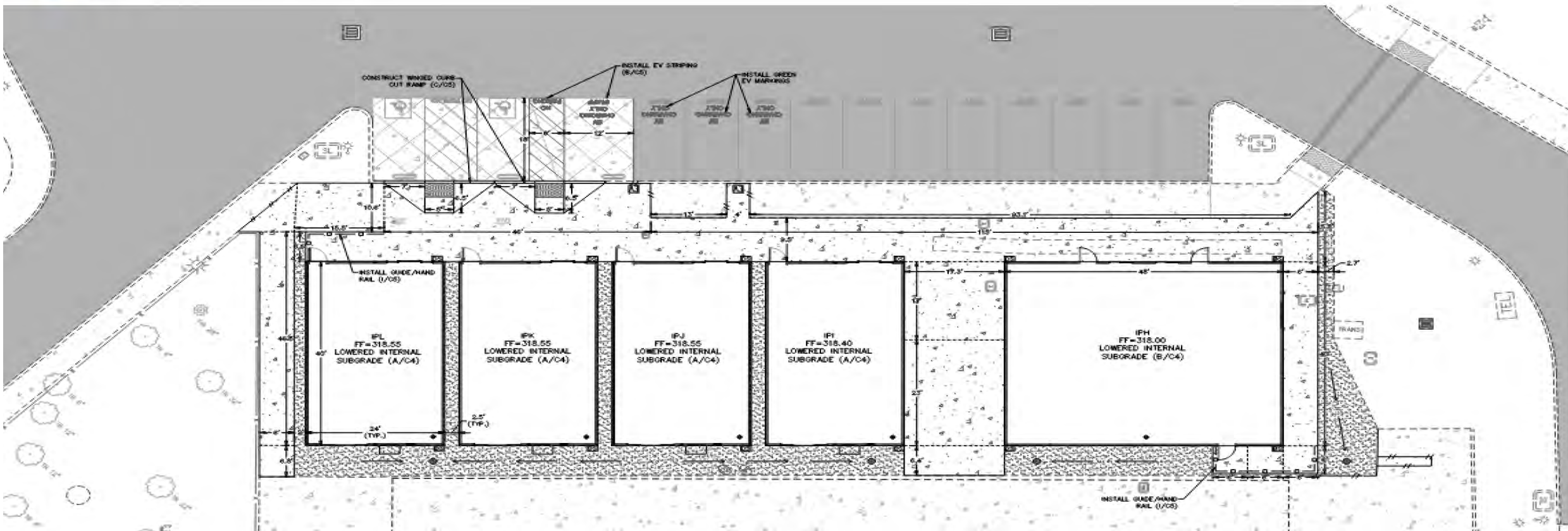


Relocate Classrooms and Labs (Non-ADA Compliant) Mechanized Ag/HVAC/Construction/Heavy Equipment Programs



Butte College

MECH AG PORTABLES



Construction Started – April 12, 2023
Final Completion – October 2023

Projects in Series C - \$50M

- **Science - \$41.5M**
 - Construction March 2023 – May 2025
 - Classes Begin – August 2025
- **Physical Science Remodel Planning - \$500K**
- **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)
 - Fire Alarm System and Emergency Notification Replacement



Physical Science Planning Phase I



Physical Science Planning Phase I

MATH
B SPRINKLERED
JSA # 02-118320

NEW SCIENCE BUILDING

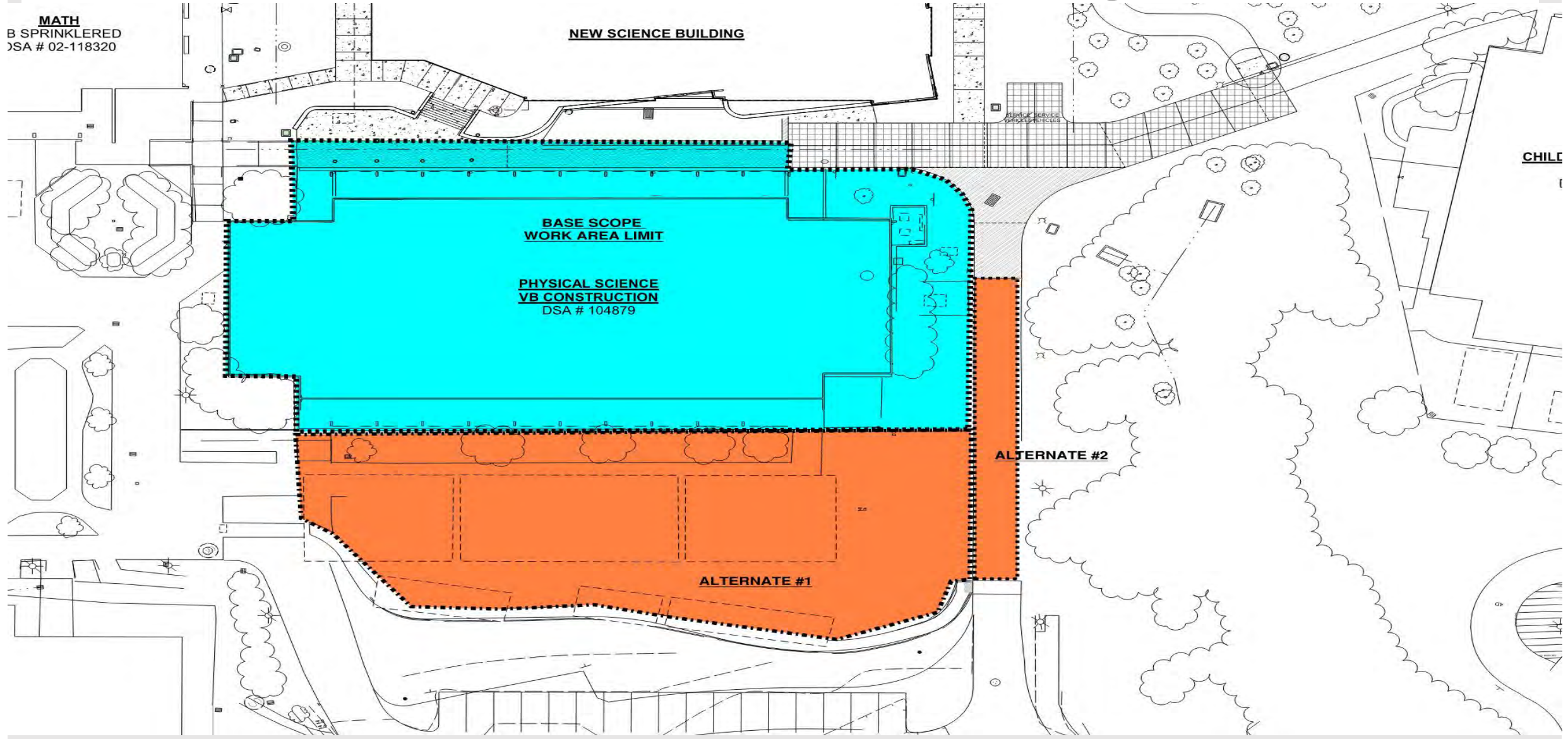
**BASE SCOPE
WORK AREA LIMIT**

**PHYSICAL SCIENCE
VB CONSTRUCTION**
DSA # 104879

ALTERNATE #2

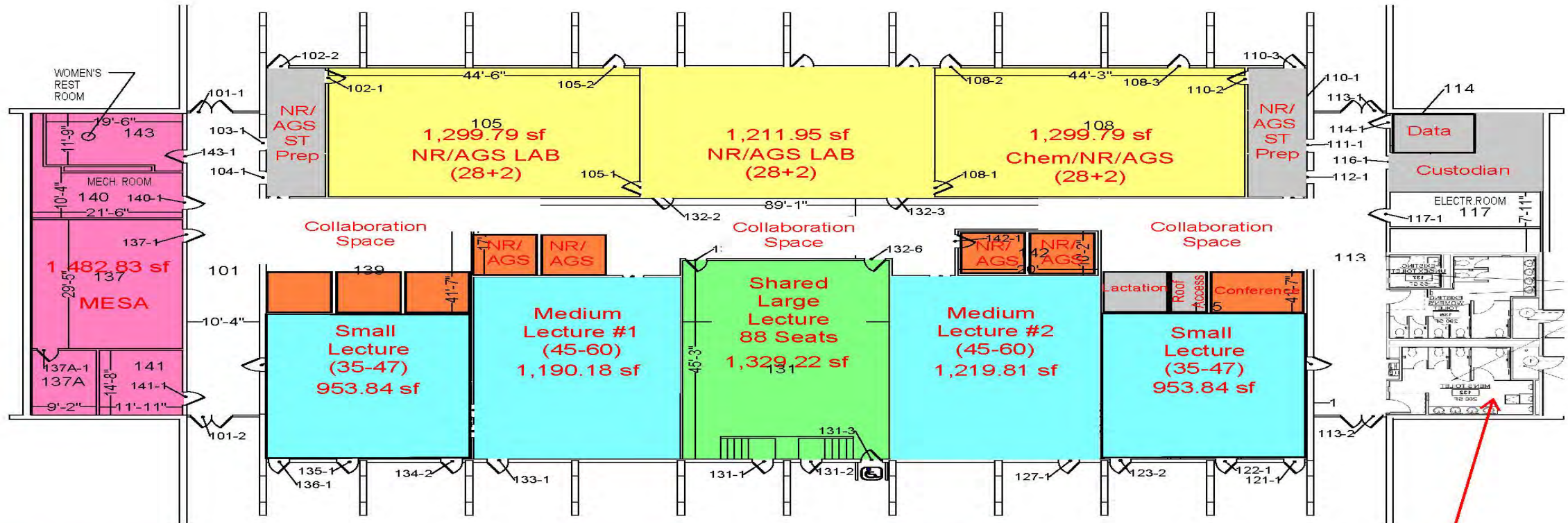
ALTERNATE #1

CHILD



Physical Science Planning Phase I

PHYSICAL SCIENCE- CONCEPT 040622



NR/AGS Needs

- (1) Lecture 28 + 2
- (3) Wet labs (water only) 28 + 2
- (1) Large Lecture 100
- (4) Faculty Offices

PROGRAM

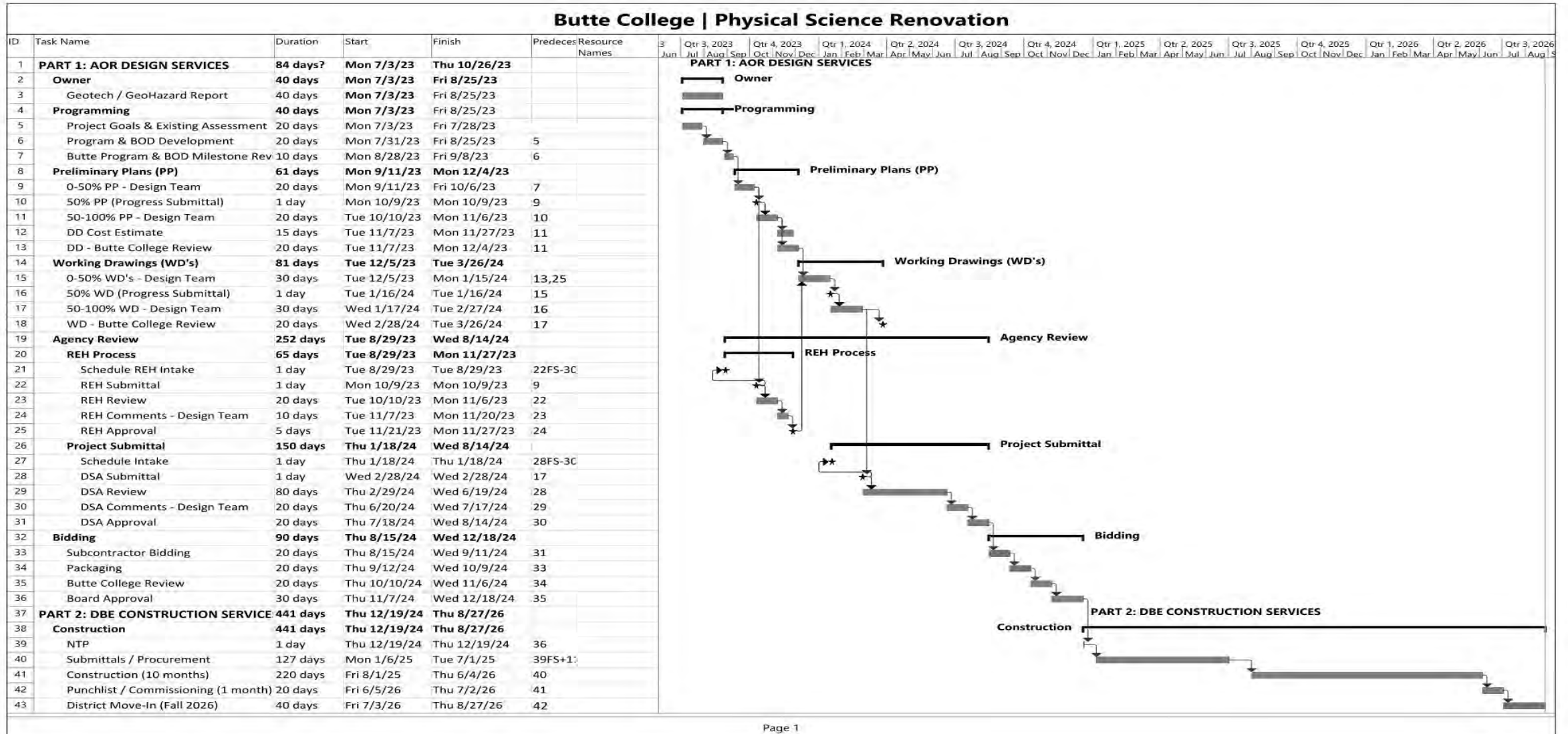
- Small Lecture (950 sf)
- Medium Lecture (1200 sf)
- Large Lecture
- Wet Labs
- Offices
- MESA

PROPOSED

- 2
- 2
- 1
- 3
- 6
- 1

Restroom
Improvements similar
to Technology

Physical Science Potential Schedule



Physical Science Budget

Begin the Project Now	Costs
Progressive Design-Build Construction Costs	\$7,261,026
District In-Direct Construct Costs (Design, Testing, DSA, Inspection, Commissioning, Project Management, Insurance,)	\$1,767,802
District Direct Construct Costs (FFE, Technology, Contingency)	\$706,200
Total Project Budget	\$9,735,028

Time Value of Monies from 07-1-2023			
Year	Future Value Interest Factors	Project Cost Variance	
(1) Year @ 6% Yearly Inflation Rate	1.0600		\$10,319,130
Total Project Budget 07-01-2023			<u>\$9,735,028</u>
Project Cost Variance			\$584,102
(2) Years @ 6% Yearly Inflation Rate	1.1236		\$10,938,277
Total Project Budget 07-01-2023			<u>\$9,735,028</u>
Project Cost Variance			\$1,203,249
(3) Years @ 6% Yearly Inflation Rate	1.1910		\$11,594,418
Total Project Budget 07-01-2023			<u>\$9,735,028</u>
Project Cost Variance			\$1,859,390

Construction Challenges

- Still recovering from COVID-19
- Materials & Labor Shortages
- Skilled Trained Workforce Requirements
- DSA
- *Hard Bid*
 - Contractor's bidding projects too low
 - 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
 - Pricing changes daily
 - Longer lead times
 - Shipment Delays

Biggest Challenge

Maintaining Established Bond Project Budgets without jeopardizing scope.

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)
- Use the Design-Build delivery method whenever possible to shift risk of cost escalations, labor shortages and "Scope Gap" to the DBE Team – **This was a savings for Science**
- 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** This phase if the project is to add the addition of a synthetic practice field.
- **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 Veterans Center, Safe Place, Sustainability Resource Center, Regional Testing Center and the Call Center. The result will be permanent space for all of these Student Services programs.
- **Law Enforcement Training Center \$16M:** This project would complete the Public Safety Training Area by constructing an indoor firing range.
- **Remove Student Services Portables \$500K**

Your Taxi Awaits...
Let's Take a Tour

