

Measure J Update



5/25/2022

Completed Projects Series A & B

- **Scenario Village**
 - Construction began – August 2021
 - Construction complete – October 2021
 - Ribbon Cutting – November 2021
- **Technology Remodel** - (State Funds \$6.3M Bond Funds \$2.1M)
 - Construction began – March 2021
 - Construction complete – May 2022
 - Ribbon Cutting– June 2022
 - Classes Begin – August 2022
- **IST Upgrades**
 - Smart Classroom Upgrade Skyway Center – Complete**
 - Phone/VOIP UPS Upgrade – Complete**
 - Network Upgrade** - Replaced aging network switches connected to the server and storage equipment in the data centers to increase backbone switching capacity.
- **Facilities Infrastructure**
 - Underground Storage Tank – Complete February 2022**
 - Campus Drive Overlay – Complete February 2022**



Completed Projects Series A & B



Campus Drive



Scenario Village

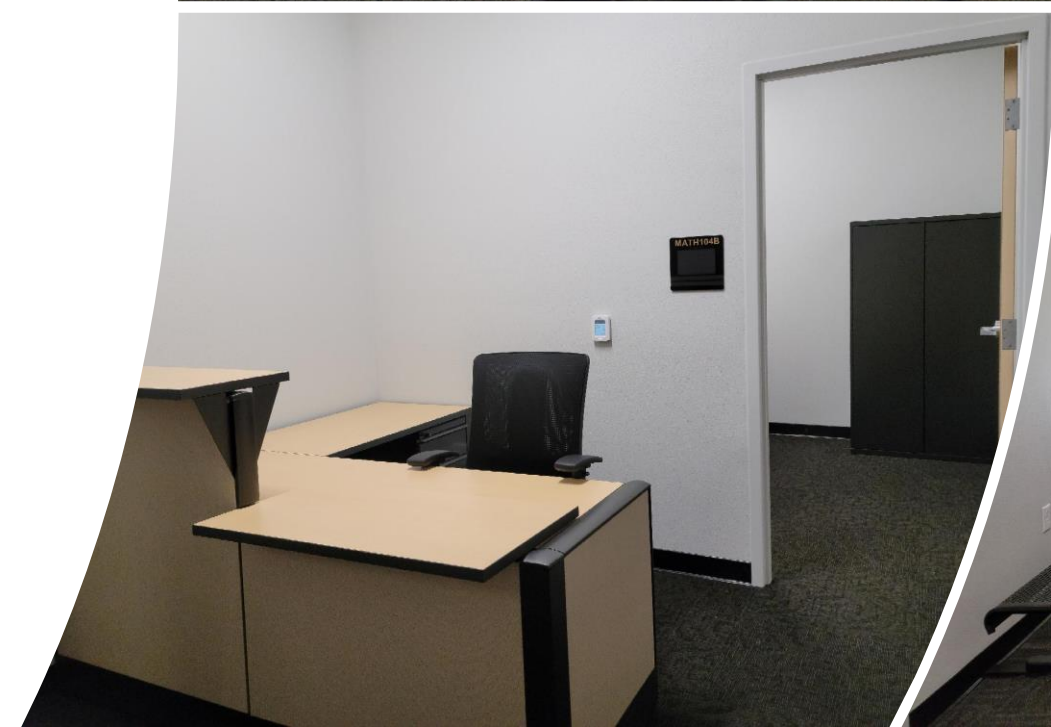


Underground Storage Tank



Technology Remodel

New Mathematics Building aka Technology

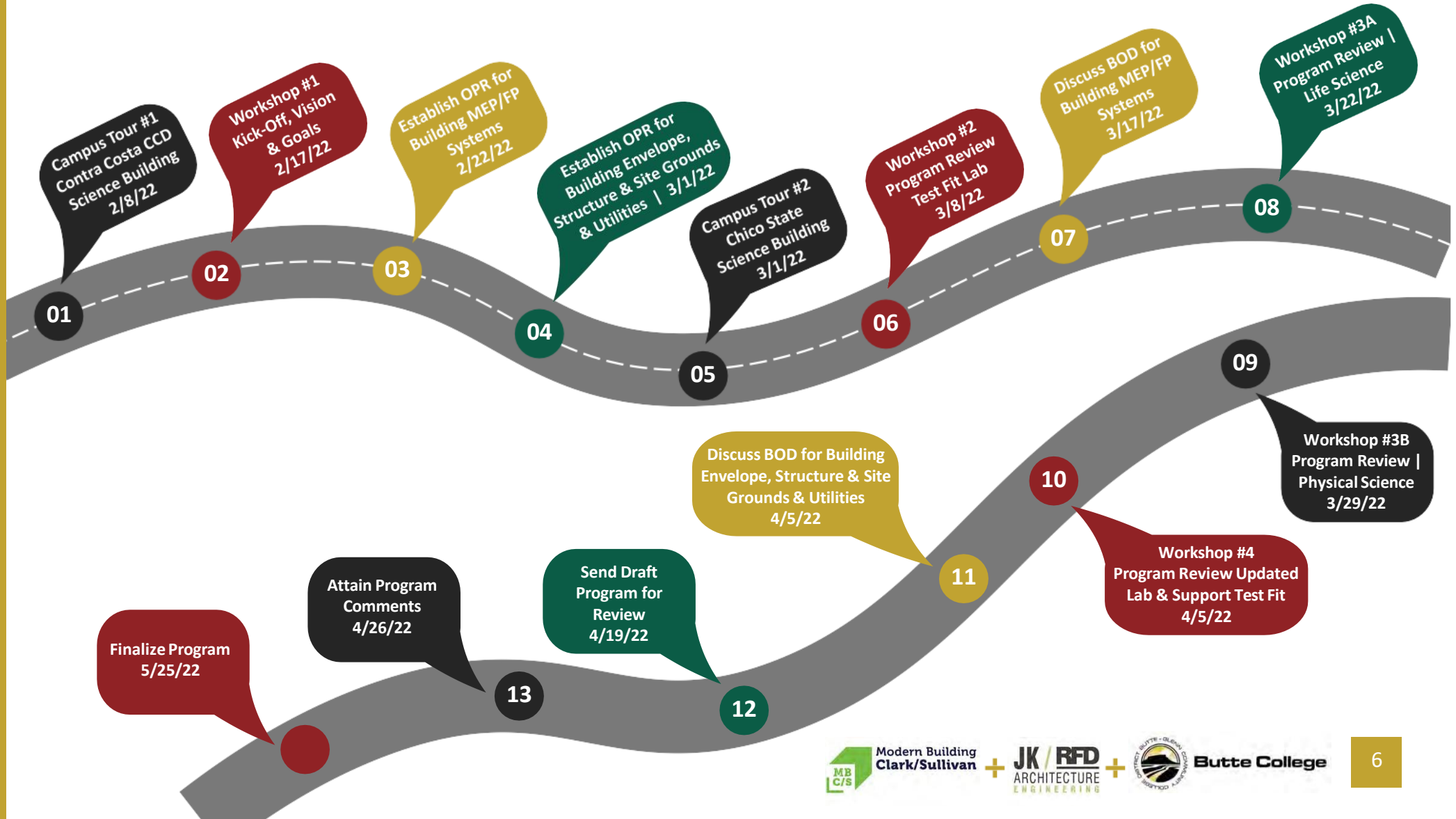


Projects in Progress Series B

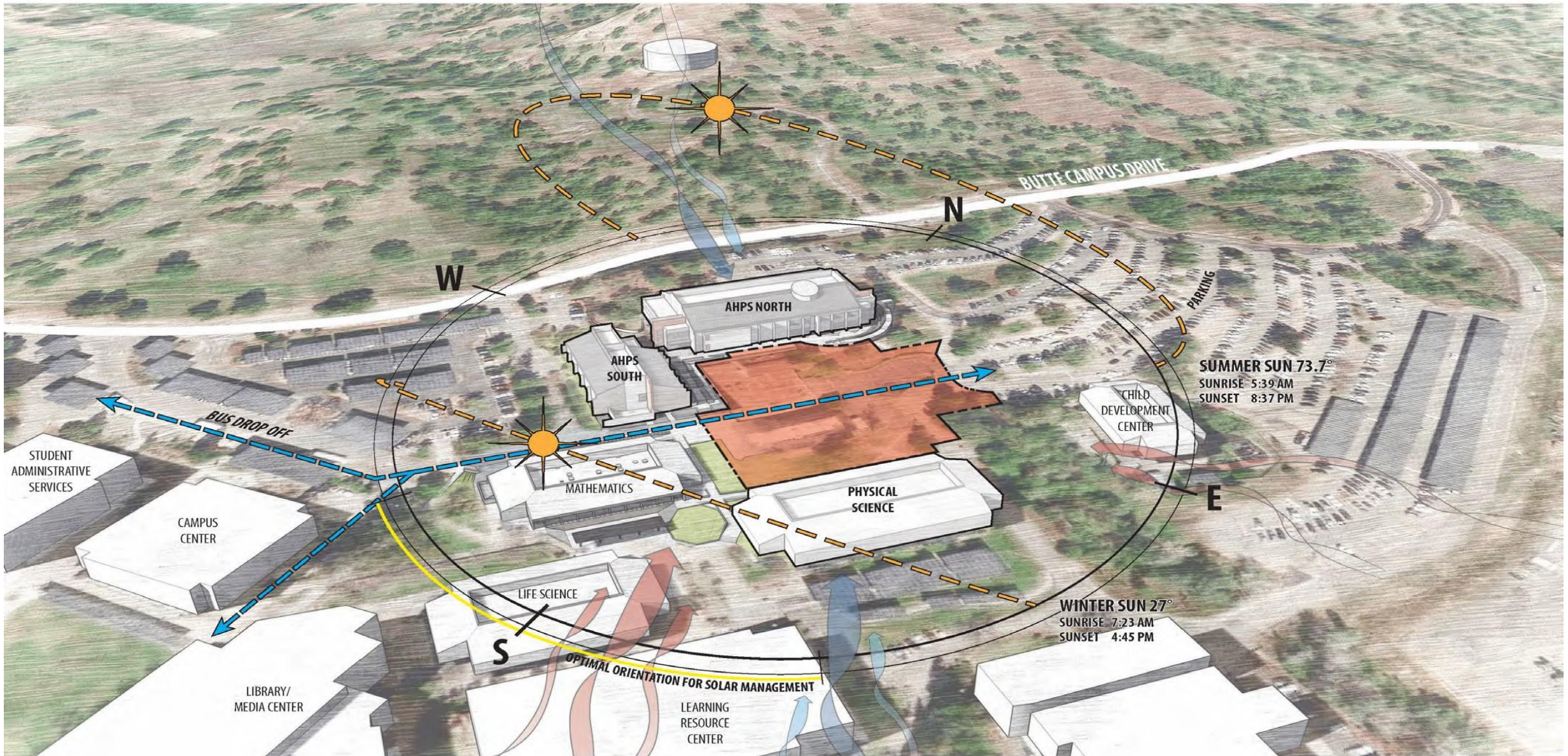
- **Science**
 - Board Approves Design Build Team – February 2022
 - Pre-Construction Phase – February 2022 – October 2022
 - Board Approves GMP – November/December 2022
 - Construction Phase – January 2023
 - Classes Begin – August 2025
- **IST Upgrades**
 - **Servers/Infrastructure** – Server lifecycle replacement for 15 servers – Spring 2022
 - **Continue Computer Lifecycle Refresh** – On-going
 - **Chico Center Smart Classroom Upgrade**
 - **Electronic Document Imaging System Upgrade Replacement**
- **Facilities Infrastructure**
 - **Backflow Replacement/Repairs**
 - **ADA Pathway Improvements**
 - **ADA Classroom Improvements** – MA/HVAC/Engineering/Construction Programs
 - **Electrical Panels Replacement/Repairs**
 - **Wastewater Treatment Plant – Equipment Upgrades**
 - **Electrical & Fire Life Safety Upgrades – Gym Concession**



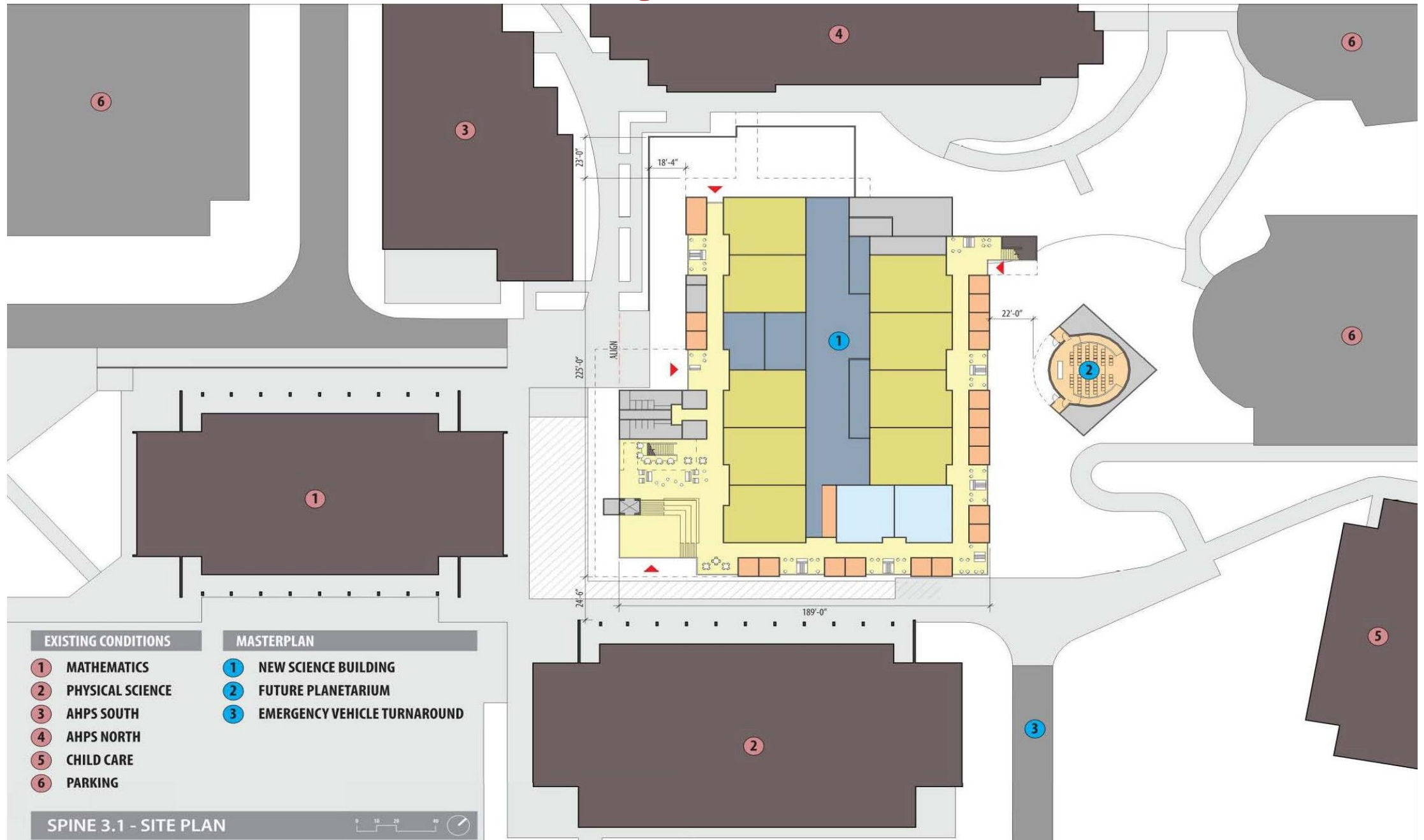
Our Journey for the New Science Building



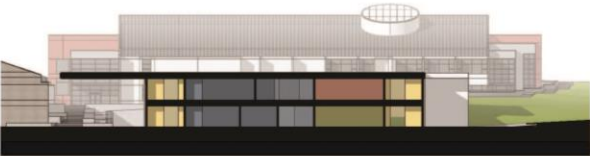
New Science Building Location



New Science Building Potential Site Plan

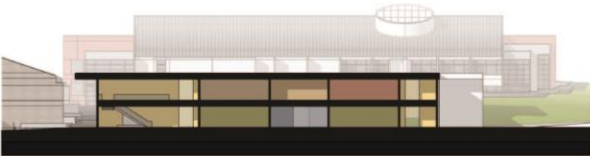


New Science Building Design (DRAFT)



SECTION 1

70,325 GSF CONDITIONED



SECTION 2

1,450/2
725 GSF UNCONDITIONED

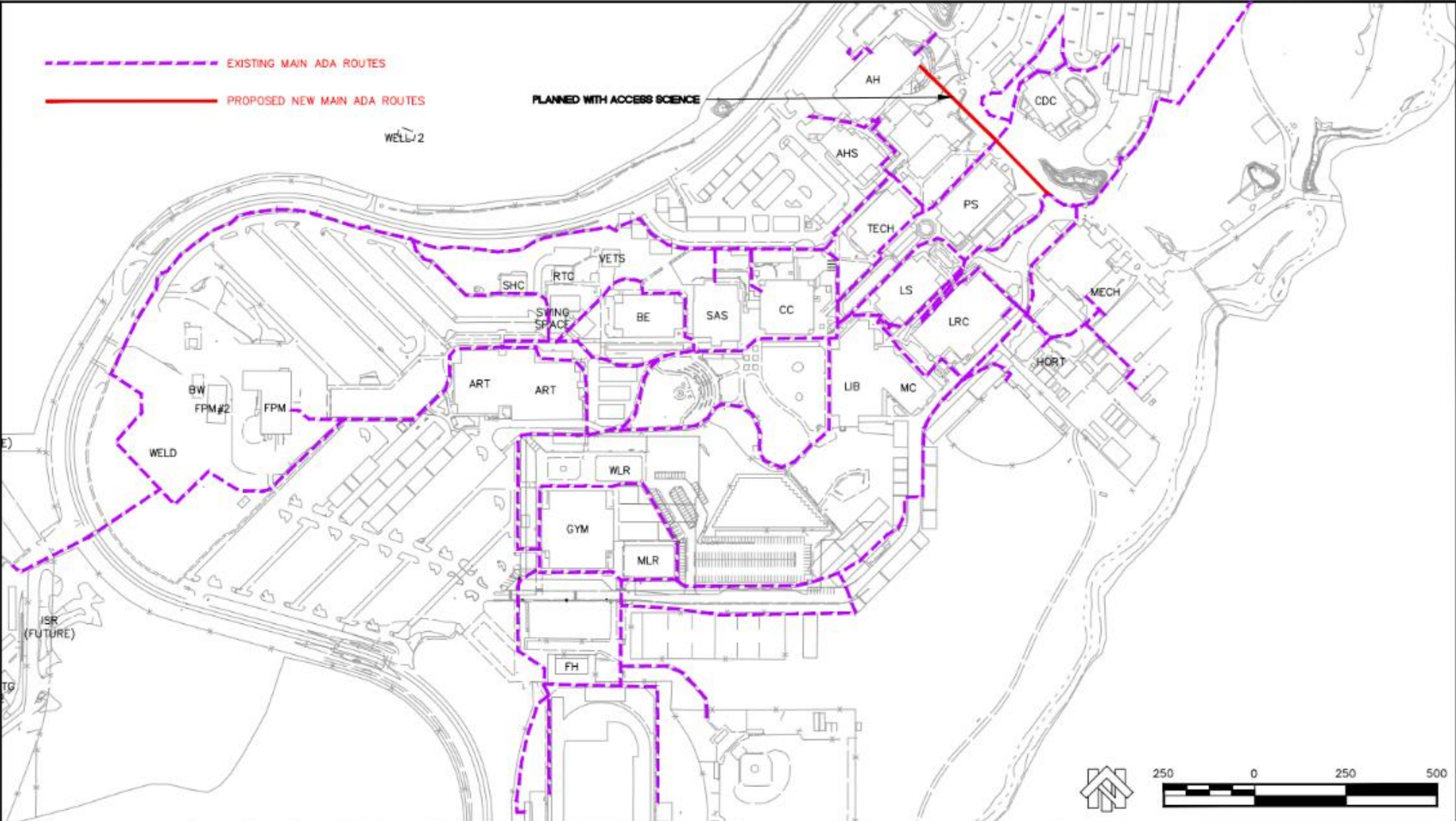
71,050 GSF



SECTION 3

KEY ▶ PRIMARY ENTRY ▶ RECEIVING — CONNECTION TO PREP

ADA Pathway Upgrades - Complete



Designed:	
Drawn By:	RMS
Approved:	
Date:	10-04-2021


NORTHSTAR
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BUTTE COLLEGE
 3536 BUTTE CAMPUS DRIVE
 CHICO, CALIFORNIA

ADA EXHIBIT			
BUTTE COLLEGE			
APN Number 000-000-000	Job Number 19-279	Scale 1" = 250' Horiz. N/A Vert.	Sheet 1 of 1

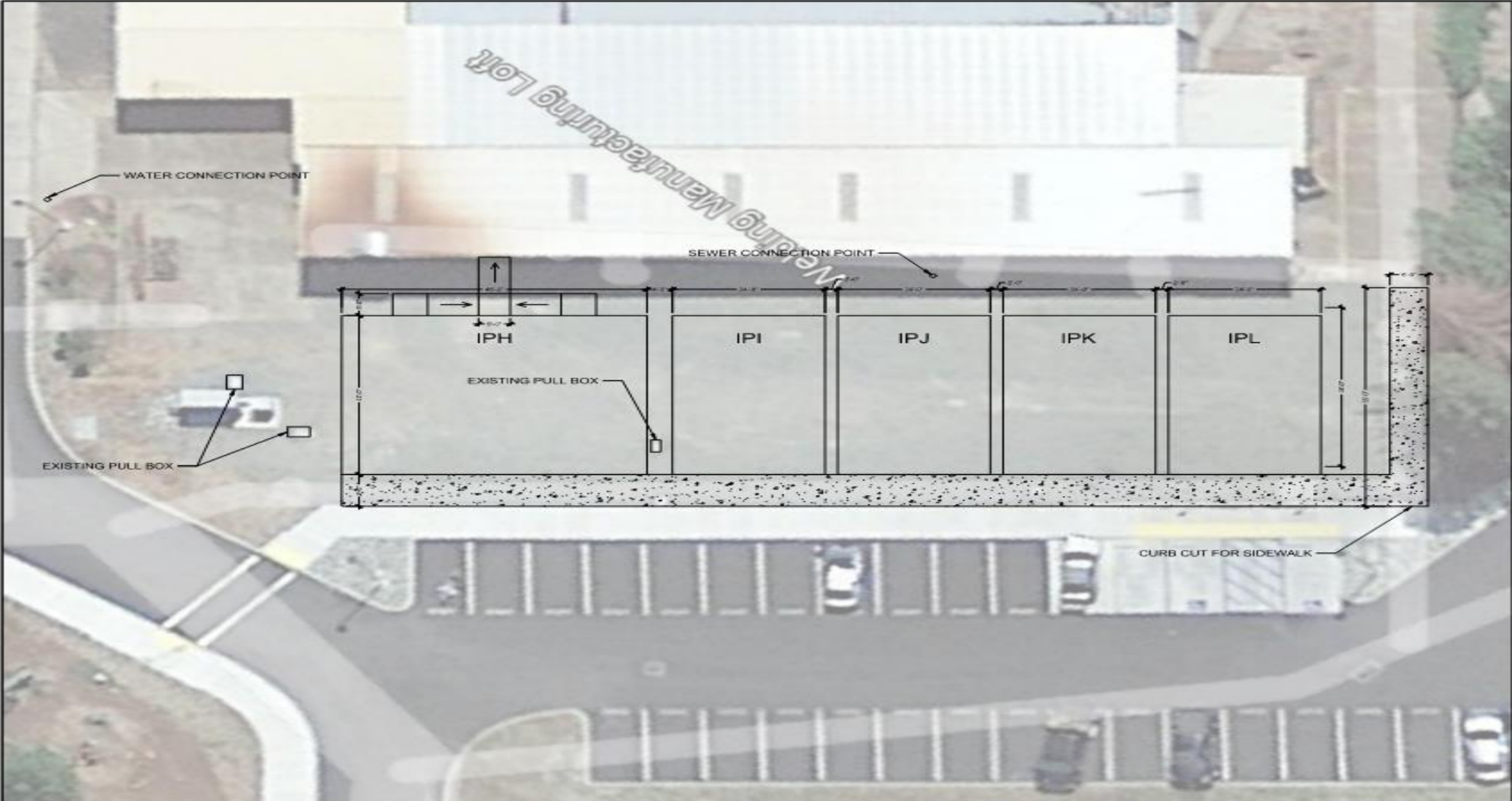
Repurpose Swing Space



Old Welding Site



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



Revision

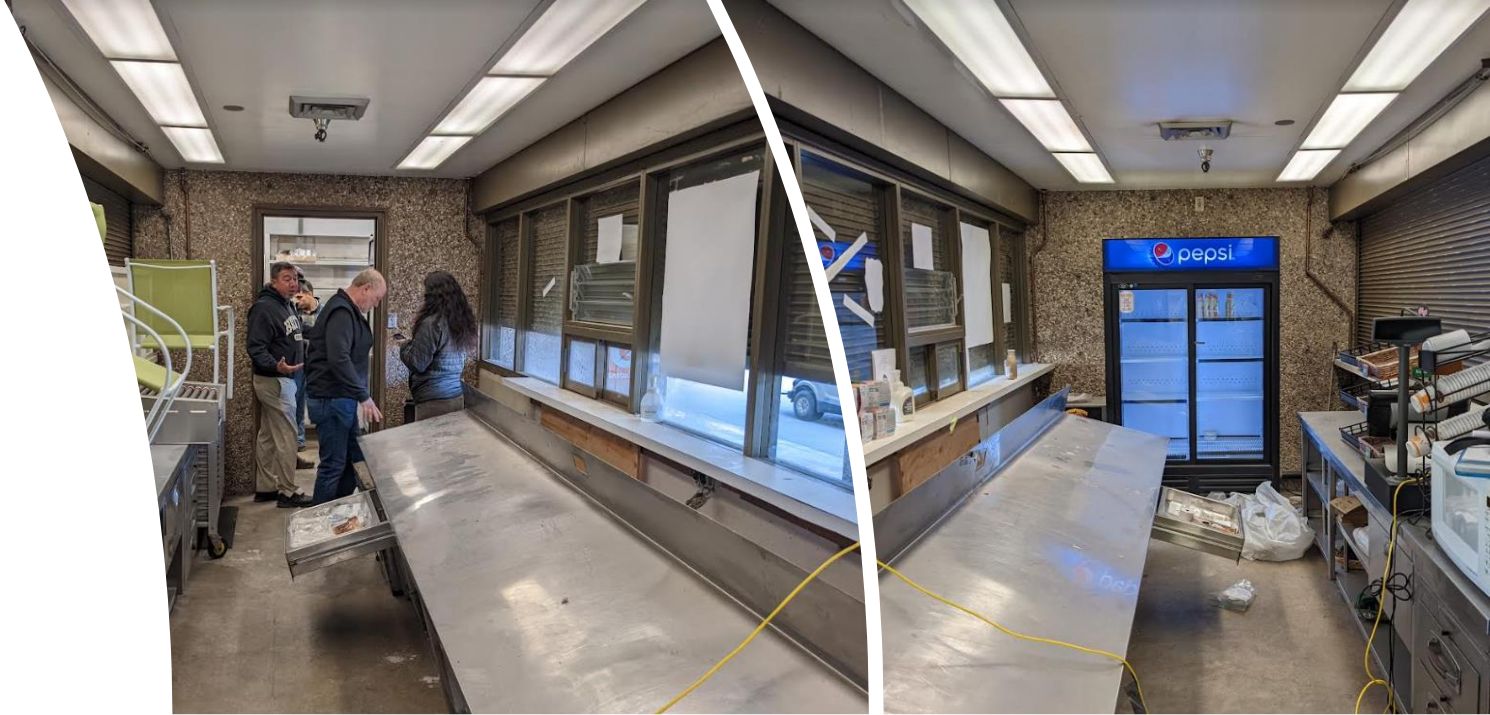
SHIRAH
Builders
Project & Construction Services Managers
Phone: 354-602-0853

MECH AG MODULARS

Butte College


1/24/2022
Sheet

Gym Concession ADA, Fire Suppression and Electrical Upgrades



Series C - Issuance



Projects in Series C

- **Science**
 - Board Approves GMP – November 2022Spring 2023
 - December 2022 – December 2024
 - Classes Begin – August 2025
- **Physical Science Remodel Planning**
- **IST Upgrades**
 - **Chico Center Smart Classroom Upgrade**
 - **Electronic Document Imaging System Upgrade Replacement**
 - Replace failing fiberoptic cable ends for LRC
 - Replace older failing switches
 - Smart Classroom Technology Upgrade
- **Facilities Infrastructure**
 - **Gas Line Replacement**
 - **Backflow Replacement/Repairs**
 - **ADA Pathway Improvements**
 - **HVAC Replacement/Repairs**
 - **Electrical Panels Replacement/Repairs**
 - **Parking Lot and Sidewalk Repairs**
 - **Energy Projects (Lighting, Solar, Commissioning, EV Stations)**
 - **Fire Alarm System and Emergency Notification Replacement**



Construction Challenges

COVID-19

- COVID Outbreaks:
 - Numerous outbreaks have occurred with General Contractors and their subcontractors that had to be managed and scheduled around. This has caused delays in material deliveries and delays in our projects, which both amount to cost impacts. (Fuel Tank & Insulation & Concrete & Electrical Supplies)
- Materials:
 - During that 12 months, suppliers were working off their inventories that were not being replenished because of COVID interrupting production and manufacturing.
 - Once inventories were exhausted, the District's contractor's experienced and still are experiencing long lead times (more than double normal) with price increases as much as 200-300% on some materials.
 - Some supply chains are disrupted to point alternate materials are being selected to meet project schedules
 - Fires and Hurricanes are depleting inventories
- Labor
 - Construction labor shortages are apparent according to feedback from Contractors and Subcontractors
 - Project impacts for District due to labor shortages
 - Skilled Workforce requirements for Bond Design-Build project remains a challenge
- Maintaining Established Bond Project Budgets - "Backing" into established budgets
- Many "*Hard Bid*" contractors bidding projects with low or no margins then looking to pick up their margin through change orders making managing a project very difficult and more time consuming for the District
 - "Hard Bid" projects we can expect 15-30% on average change orders
- DSA
 - Still Short handed – turn around time for project approvals an uncertainty in scheduling projects
 - New Review Requirements

Construction Challenges (Cont'd)

Cost Escalation

- Building material prices have increased 19.4% during the past 12 months and 13% year to date
- Producer Price Index (PPI) average change in the building materials between January and July was +1.2%
- Steel mill products prices climbed 10.8% in July following a 6.2% increase in June
 - Prices have climbed 108.6% over the past 12 months and 87.6% in 2021 alone.
- Drops in framing lumber prices in recent months, overall.
 - PPI for softwood lumber has fallen 29.5% from its peak but remains 71.9% above its January 2020 level.
- Gypsum products increased 2.5% in July and are up 15.8% year to date - the largest 12-month increase since July 2006
- Ready-mix concrete prices were unchanged in July (seasonally adjusted) after increasing 1.1% in June.
 - 100 - 340% cost increase on wood/metal framing supplies
 - 30% cost increase on rebar/metal/concrete supplies
 - Concrete now at \$150 per yard (\$110 per yard this time last year)
 - PVC pipe becoming unavailable
 - Pricing changing daily – Quotes good for as little as two days
 - Contractors unable to buyout projects; buying materials when they become available and needing temporary storage on site
 - Longer lead times

Our Plan

- Continue to embrace the Design-Build delivery method to shift risk of cost escalations, labor shortages and "Scope Gap" to contractor and designer as one entity
- Manage project budgets and contingencies by "designing" to funds available
- Plan for current and future cost escalations
- Estimate "time value of money" into cost estimates for future projects
- Continue to embrace all construction delivery systems and choose based on what is best for the District at the time. (Not one size fits al
- As we design, utilize District Standards energy efficiency to help with total cost of ownership of the building.
- KISS every project (Keep It Simple Strategy)



Remaining Bond Project Sequence

Series C (March 2023 – May 2025)

- Science Building (construction) \$41M
- I.T. Upgrades \$2M
- Facilities Infrastructure Upgrades \$6M
- Physical Science Planning - \$500K

Series D (May 2025 – May 2028)

- 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 - \$1.9M

Series E (May 2028 – May 2030)

- Law Enforcement Training Center - \$16M
- Athletics - \$1.5M
- Facilities Infrastructure Upgrades - \$800K
- I.T. Upgrades - \$2M





Project Bond Allocations

- **Welding Building \$23M:** Complete
- **Skyway Center Remodel \$2M:** 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 \$21.7M:** 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.
- **Scenario Village \$1M:** Complete
- **Technology Building Remodel \$6.8M:** This project will renovate this building to provide modern classrooms to support Mathematics.
- **Science Building \$73M:** This project provides a new Sciences Building that meets current and projected needs for the Physical and Life Science 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.
- **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.
- **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**

Let's Take a Tour

