



APPLIED RESEARCH BUILDING

DATE: 09/13/21-09/17/21

PHASE: Overall Project Progression



Facing North View



Facing South View

FUN FACT:
The University of Arizona Flag will be flying proud to support the Wildcats at each home game. Bear Down!



McCarthy + SmithGroup
ARB Design Build Team

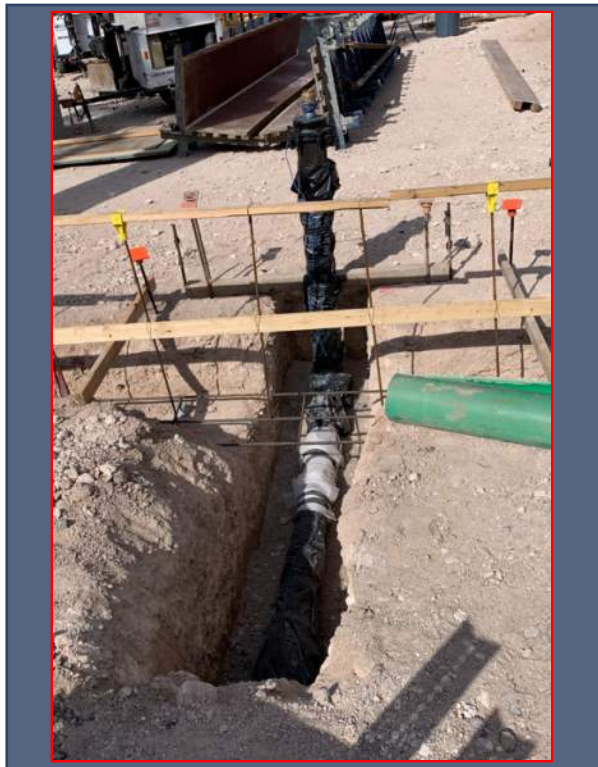
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PHASE: **Underground Plumbing and Electrical**



Sanitary Line Branches Stub-ups



Fire Riser Main Line

FUN FACT:

The fire riser main will connect to the main City of Tucson source and supply fire water to protect the building with a fire suppression system. Safety first!

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PHASE: Structural Concrete



Core Walls Reinforcing



Core Wall-2 Being Closed &
Continuous Footing Clean Cut

FUN FACT:
There will be thousands of pounds of rebar placed and tied throughout the course of vertical construction

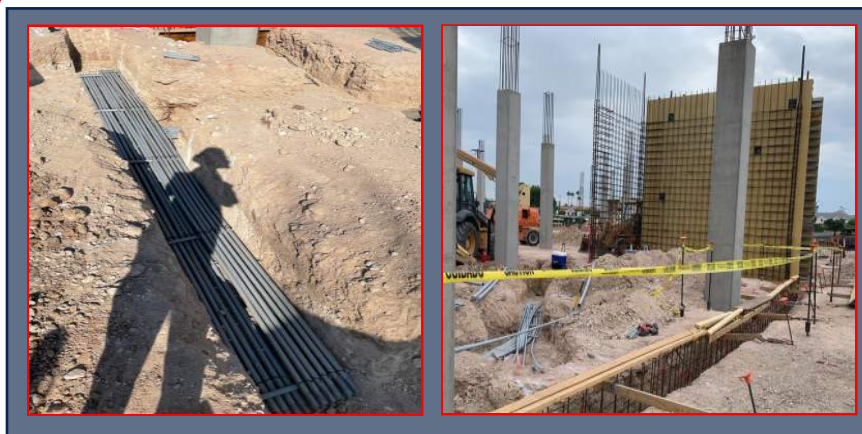
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PHASE: Electrical Infrastructure



South Loop Medium Voltage Vault Energized



Underground Utilities

FUN FACT:
The medium voltage loop provides the main power source for the Applied Research Building. The equipment is rated for 15.5Kv, that is a lot of electricity!



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PHASE: Concrete Foundations and Mock Up



Shearwall 2 Stripped & Last Grade Beam Poured



Thermal Vacuum Pad Base & Slab
On Grade Mock-up

FUN FACT:
Mock Ups are used to demonstrate quality and understand finished product prior to work being put in place



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PHASE: What is next!?

UP COMING
NEXT

- Slab on Grade ground floor mock ups
- Underground plumbing layout and installation south building
- Electrical underground installation and main building power completion
- Slab on grade and stair/elevator core wall vertical concrete pours
- Thermal Vacuum Chamber support pad reinforcing
- Elevator pit concrete
- Structural steel stairs and misc. metals



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