

APPLIED RESEARCH BUILDING

DATE: **8/30/21 - 9/3/21**

PHASE: **Electrical Progress**



Tower Crane Electrical



In Wall Electrical Rough-in

FUN FACT:

The electrical when complete will supply power to all building systems and 6 air handling units to cool the various spaces.

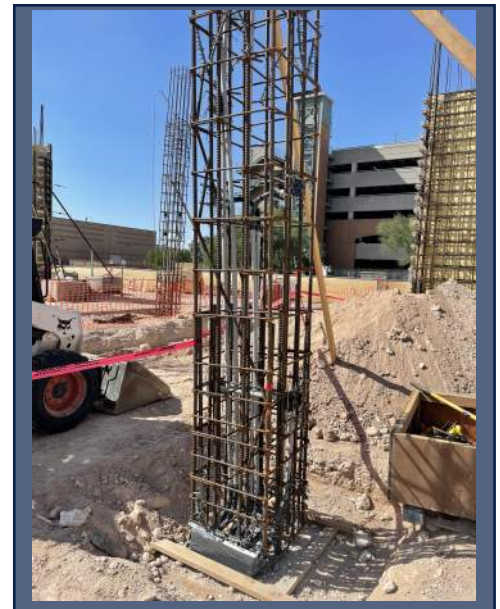
APPLIED RESEARCH BUILDING

DATE: **8/30/21 - 9/3/21**

PHASE: **Electrical Progress**

FUN FACT:

Electrical "in column and wall" installation is critical to ensure the different spaces of the Applied Research Building have power, data and necessary security functionality.



In Column
Electrical Rough-in



South-Loop In Progress



APPLIED RESEARCH BUILDING

DATE: **8/30/21 - 9/3/21**

PHASE: **Main Waste & Lab Waste**



Lab Waste and Main Waste Lines Complete and Inspected



Waste Line Back Fill In Progress



McCarthy + SmithGroup
ARB Design Build Team

APPLIED RESEARCH BUILDING

DATE: **8/30/21 - 9/3/21**

PHASE: **Vertical Structure**



Column Stripped and Walls Formed



Embeds Installed and Core 2 Formwork

FUN FACT:
Over 20,000 SF of vertical wall and column formwork will be installed and placed throughout the course of construction.





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DATE: **8/30/21 - 9/3/21**

PHASE: **Project Overview**



Facing North View



Facing South View



McCarthy + SmithGroup
ARB Design Build Team



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DATE: **8/30/21 - 9/3/21**

PHASE: **What's Next?!?**

COMING SOON

- The Tower Crane will be erected Thursday 9/9 and Friday 9/10.
- Plumbing waste line branches from the sewer main line to the remaining of the building.
- Continuous footing excavation and forming to prepare for slab on grade which provides the base foundation of the first floor.
- Thermal Vacuum chamber pad excavation preparation. The chamber simulates deep space!
- Electrical South loop completion permitting permanent power to be used within the construction building zone.
- Concrete walls pouring and stripping, preparation for the second floor concrete deck.
- Begin steel stair framing preparation.



McCarthy + SmithGroup
ARB Design Build Team

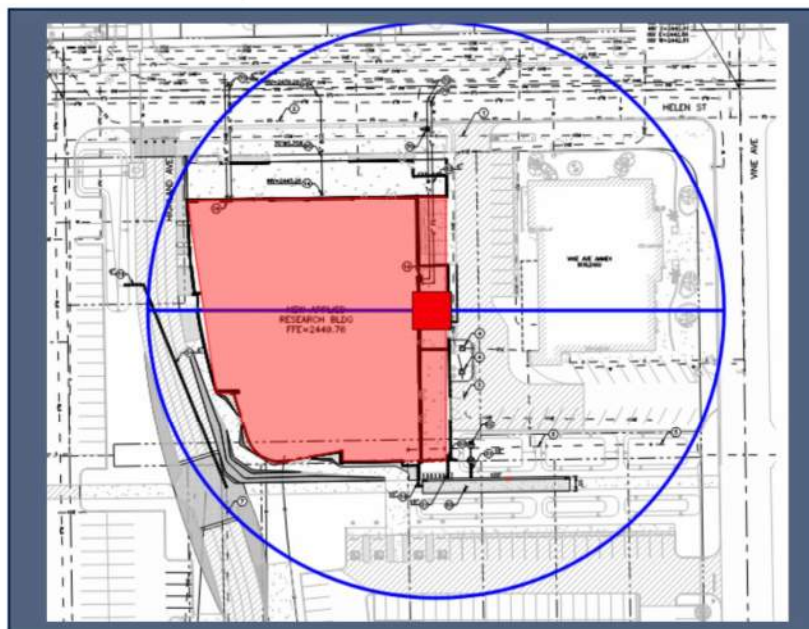


APPLIED RESEARCH BUILDING

DATE: **9/9/21 and 9/10/21**

PHASE: **Tower Crane Erection**

- Tower Crane delivery and erection will take place 4:00AM Thursday, 9/9/21 through 6:00PM Friday, 9/10/21
- Highland Pathway traffic open to Helen Street, Pedestrian and Bike traffic re-routed to Mountain Avenue
- Access to Highland Garage permitted on the East side
- Access to Highland Garage not permitted on the West side
- Parking at the AME Building remains opens during delivery and erection
- Foundation Building access and alleyway affected, no access in designated fly zone
- North side of Helen closed, sidewalk not accessible Campus Infrastructure Project.



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ARB Design Build Team

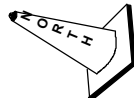


TRAFFICADE SERVICE INC.
2721 N FLOWING WELLS RD
TUCSON, AZ 85705
[520] 624-0465
FAX [520] 623-6925

NOT TO SCALE

LOCATION OF WORK: CITY OF TUCSON
CONTRACTOR: MCCARTHY BUILDERS
PHONE #: 480-815-2856
FAX #:
CONTACT PERSON: DAVID HOLLENACK AT MCCARTHY
DATE DRAWN: AUGUST 17, 2021
DRAWN BY: DOONE BAKER
TIME: 24-HOUR SETUP
LOCATION #: 0825H
DATE OF WORK: 9-9-21 THRU 9-10-21
START TIME: 06:00 AM
PERMIT #:
INSPECTOR:

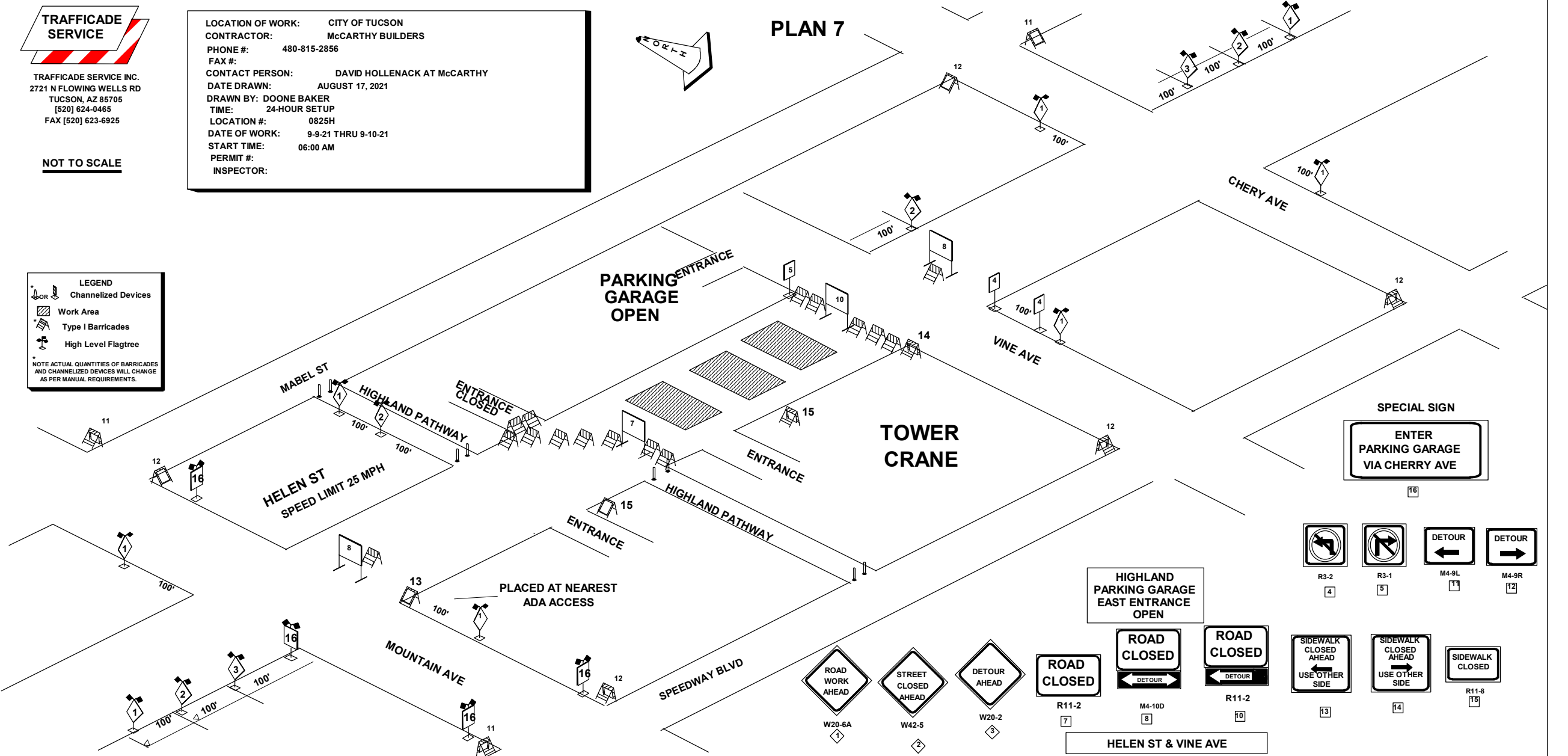
PLAN 7



LEGEND

- Channelized Devices
- Work Area
- Type I Barricades
- High Level Flagtree

NOTE ACTUAL QUANTITIES OF BARRICADES AND CHANNELIZED DEVICES WILL CHANGE AS PER MANUAL REQUIREMENTS.



SPECIAL SIGN

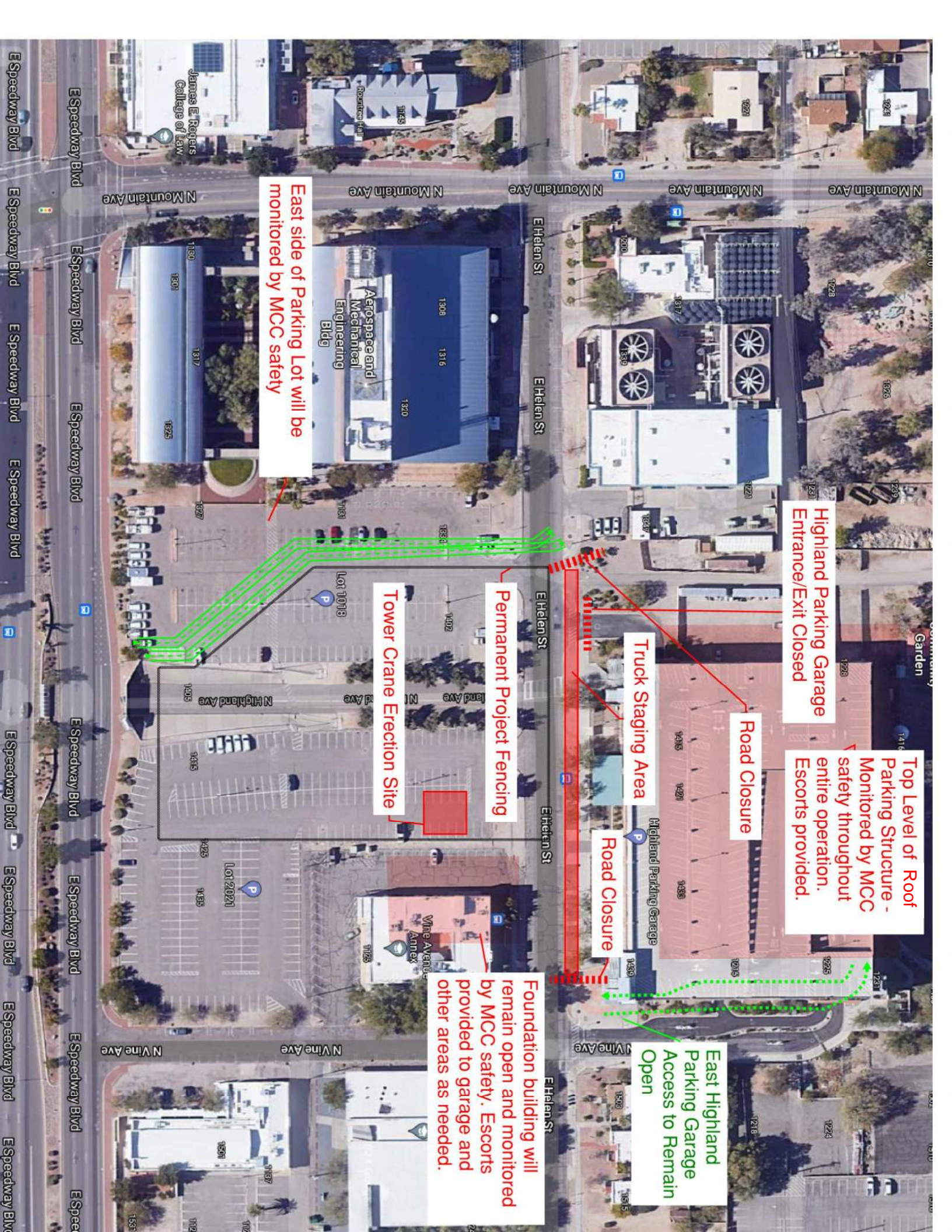
ENTER PARKING GARAGE VIA CHERRY AVE

R3-2 [4] R3-1 [5] M4-9L [1] M4-9R [2]

R11-2 [7] M4-10D [8] R11-2 [10]

[13] [14] R11-8 [15]

HELEN ST & VINE AVE



Highland Parking Garage Entrance/Exit Closed

Top Level of Roof Parking Structure - Monitored by MCC safety throughout entire operation. Escorts provided.

Road Closure

Truck Staging Area

Road Closure

East Highland Parking Garage Access to Remain Open

Permanent Project Fencing

Tower Crane Erection Site

Foundation building will remain open and monitored by MCC safety. Escorts provided to garage and other areas as needed.

East side of Parking Lot will be monitored by MCC safety

James E. Rogers College of Law

Aerospace and Mechanical Engineering Bldg

Wine Avenue Annex

