



THE UNIVERSITY
OF ARIZONA

APPLIED RESEARCH BUILDING

DATE: 8/23/21 - 8/27/21

PHASE: **Site Overview**

Camera Facing South



Camera Facing North



McCarthy + SmithGroup
ARB Design Build Team

APPLIED RESEARCH BUILDING

DATE: 8/23/21 - 8/27/21

PHASE: Columns and formwork

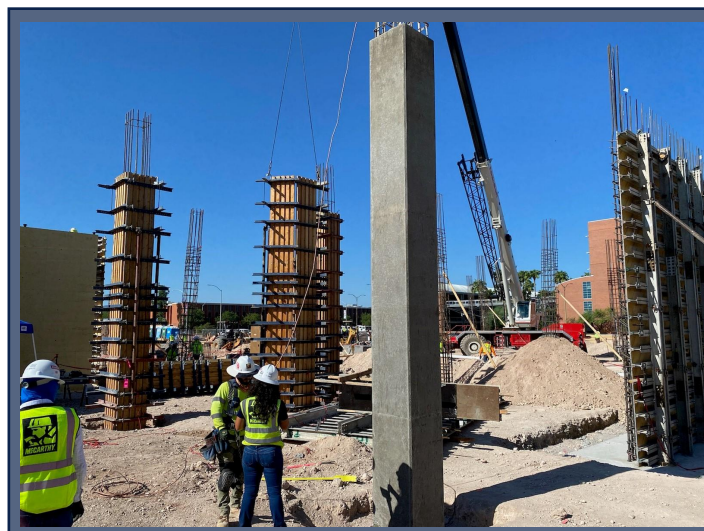
FUN FACT

There are 35 columns in total which extend all the way from the ground to the fourth floor. These columns will support the weight of the building structure and distribute it into the caissons underground. The columns will be carefully protected during construction to prevent any damage to the concrete because they will be a visible architectural feature in the building.



First vertical pour on site!

Concrete column is stripped of formwork



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PHASE: Transformer Switch

FUN FACT

The transformer function is to transform the incoming Medium voltage (1KV to 35KV) to Low voltage (480V and below).



Transformer relocated - will provide permanent power to the Foundation building.

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PHASE: Lab Waste Plumbing

FUN FACT

The lab waste plumbing extend along the building from north to south and is approximately 3'-4' below ground. The white pipe is for sanitary sewer and building waste, whereas the blue pipe is for lab waste.



In process of connecting the pipes



Excavations for underground pipe



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



- Continue Vertical Structure concrete pours.
- Grade Beams and Foundations complete reinforcing, inspection and pour concrete.
- Assemble tower crane - Traffic plan on the next page
- Electrical infrastructure South Loop tie-in completion to restore redundancy to BioTech loop.



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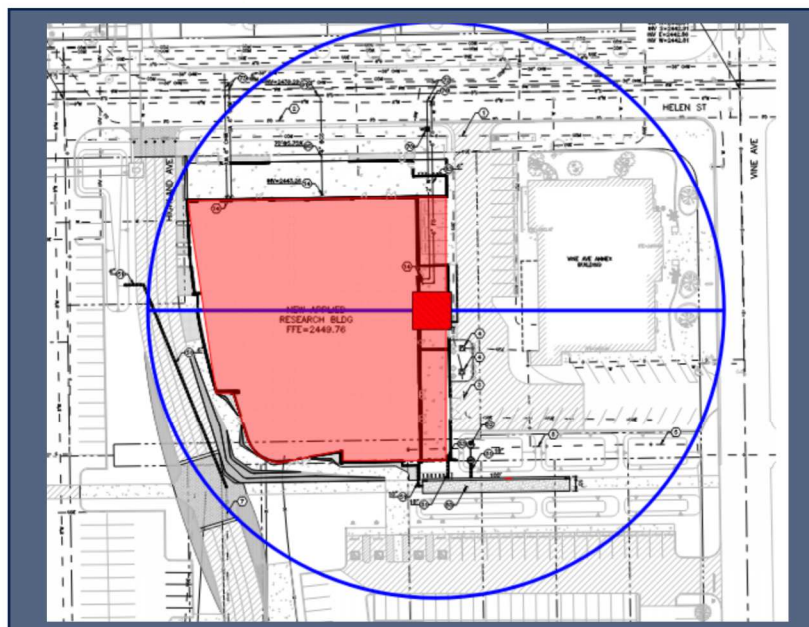
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APPLIED RESEARCH BUILDING

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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TRAFFIC SERVICE INC.
2721 N FLOWING WELLS RD
TUCSON, AZ 85705
[520] 624-4465
FAX [520] 623-6923

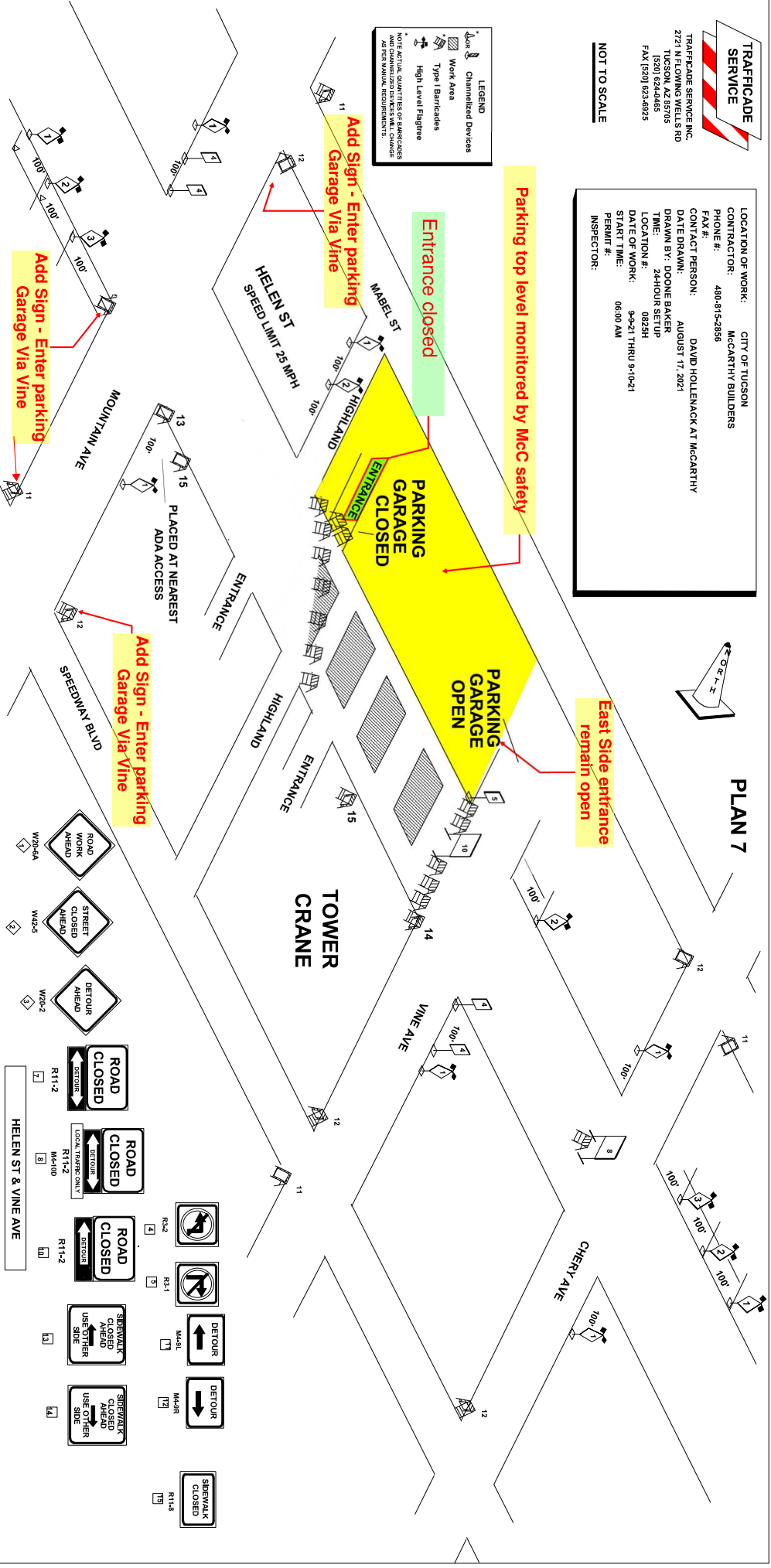
NOT TO SCALE

LOCATION OF WORK: CITY OF TUCSON
CONTRACTOR: MCCARTHY BUILDERS
PHONE #: 480-915-2856
FAX #: 480-915-2856
CONTACT PERSON: DAVID HOLLENACK AT MCCARTHY
DATE DRAWN: AUGUST 17, 2021
DRAWN BY: DOONE BAKER
TIME: 24 HOUR SETUP
LOCATION #: 0825H
DATE OF WORK: 9-4-21 THRU 9-10-21
PERMIT #: 06:00 AM
INSPECTOR:

LEGEND

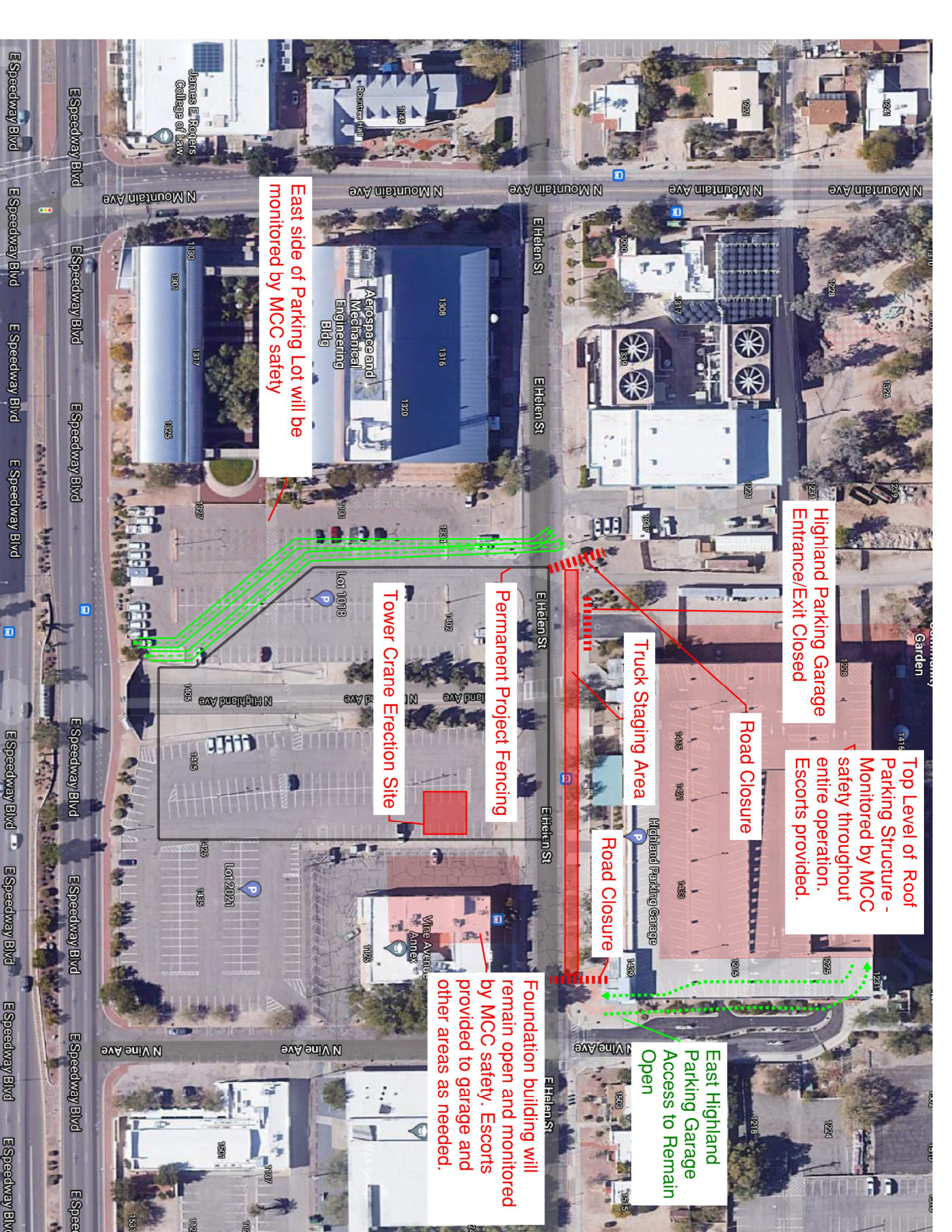
- Down Arrow: Channelized Devices
- Work Area: Work Area
- Type 1 Barricades: Type 1 Barricades
- High Level Flagpole: High Level Flagpole

*NOTE: ACTUAL QUANTITIES OF BARRICADES AND CHANNELIZED DEVICES TO BE DETERMINED AS PER MANUAL REQUIREMENTS.



TRAFFIC CONTROL SIGNS

- W20-64: ROAD WORK AHEAD
- W43-5: STREET CLOSED AHEAD
- W20-2: DETOUR AHEAD
- R11-2: ROAD CLOSED (DETOUR)
- M4100: ROAD CLOSED (LOCK TRAFFIC ONLY)
- R11-2: ROAD CLOSED (DETOUR)
- R2-4: DETOUR
- R2-1: DETOUR
- M4-4R: DETOUR
- M4-4L: DETOUR
- R11-8: SIDEWALK CLOSED
- R11-2: SIDEWALK CLOSED (USE OTHER SIDE)
- R11-2: SIDEWALK CLOSED (USE OTHER SIDE)



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

