

Overall Campus Logistics Plan

Our approach is to work with you to make sure all aspects of our work is properly planned, coordinated, and communicated throughout all phases of the Undergraduate Teaching and Learning Facility.

This project is unique in that its site is not only located at one of the "entrances" to campus off University Avenue, but also sits in a very active part of campus.

As a result, we took great consideration in developing our site logistics plans, which you see on the following pages, to account for and accommodate all the various factors that make this project both an exciting and challenging endeavor.

Fundamental Construction and Site Logistics Goals

1. Student, faculty, and guest safety
2. Minimize disruptions to surrounding facilities and overall campus
3. Regular communication on project updates
4. Achieving and celebrating construction milestones
5. Protect the required trees to remain
6. Focus on noise, dust, and vibration mitigation



Site Make Ready

Key items to focus on

- Work with the Campus to draft and approve a mobilization plan that identifies key tasks and timing of set up activities.
- Communicate clearly and consistently with the campus to ensure an aligned and successful site mobilization approach.
- Submit the site mobilization plan to plan check and Fire Marshal to confirm we're meeting all the University's requirements.
- Utilize Just in Time staging of materials.
- Effectively communicate and coordinate deliveries to the site using the TeamUp App. **[Enhancement]**
- Utilize our in-house mapping team to review and verify existing utilities. **[Enhancement]**
- Verify as-builts provided by UC Riverside and incorporate into design.
- Establish tree protection plan



Legend

- | | | | |
|---|---|------------------------------|--------------------------------------|
| 01 Main Construction Entrance & Exit | 04 Material Laydown Staging & Mockup | Truck Haul Route | Fire Access Route |
| 02 Project Fence | 05 Protected Tree Areas | Trade Partner Path of Travel | Pedestrian Safety Accommodations |
| 03 Man Gate & Fire Department Access | 06 Hydraulic Cranes | Pedestrian Path of Travel | Camera Locations During Construction |

SCAN THE QR CODE
for Site Make Ready
Animation



Truck Haul Route Access

Key items to focus on

- Asphalt the truck haul route ramp in order to mitigate dust as well as sweep the ramp.
- Install K-railing, in addition to project fencing, on both sides of the access route to enhance the safety and security.
- Remove or protect in place certain current conditions, such as the light pole located at the top of the truck haul route ramp, as needed.
- Provide pedestrian safety accommodations along truck haul route to enhance the safety of students, faculty, staff and guests.



SCAN THE QR CODE
for Truck Haul Route
Access Animation



Legend

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|---|---------------------------------------|------------------------------|--------------------------------------|
| 01 Main Construction Entrance & Exit | 04 Trailer / Co-Location Space | Truck Haul Route | Fire Access Route |
| 02 Project Fence | 05 Truck Haul Route Ramp | Trade Partner Path of Travel | Pedestrian Safety Accommodations |
| 03 Man Gate & Fire Department Access | | Pedestrian Path of Travel | Camera Locations During Construction |

Construction

Key items to focus on

- Organize the design packages to mirror our planned construction sequence.
- Break out critical packages from less critical to allow work to commence early.
- Incorporate University holidays, move in/orientation, graduation, and commencement into overall project schedule.
- Plan construction sequences to best take advantage of University's breaks during disruptive construction activities.
- Develop strategic work plans that take into consideration the time of year as well as campus activities.
- Incorporate the 35 rain days in critical path of schedule to be utilized for rain and wind events.
- Prep site after grading is complete to allow proper drainage and filtration.
- Protect in place the Cart Parking Structure and electrical gear located on the south side of the site.

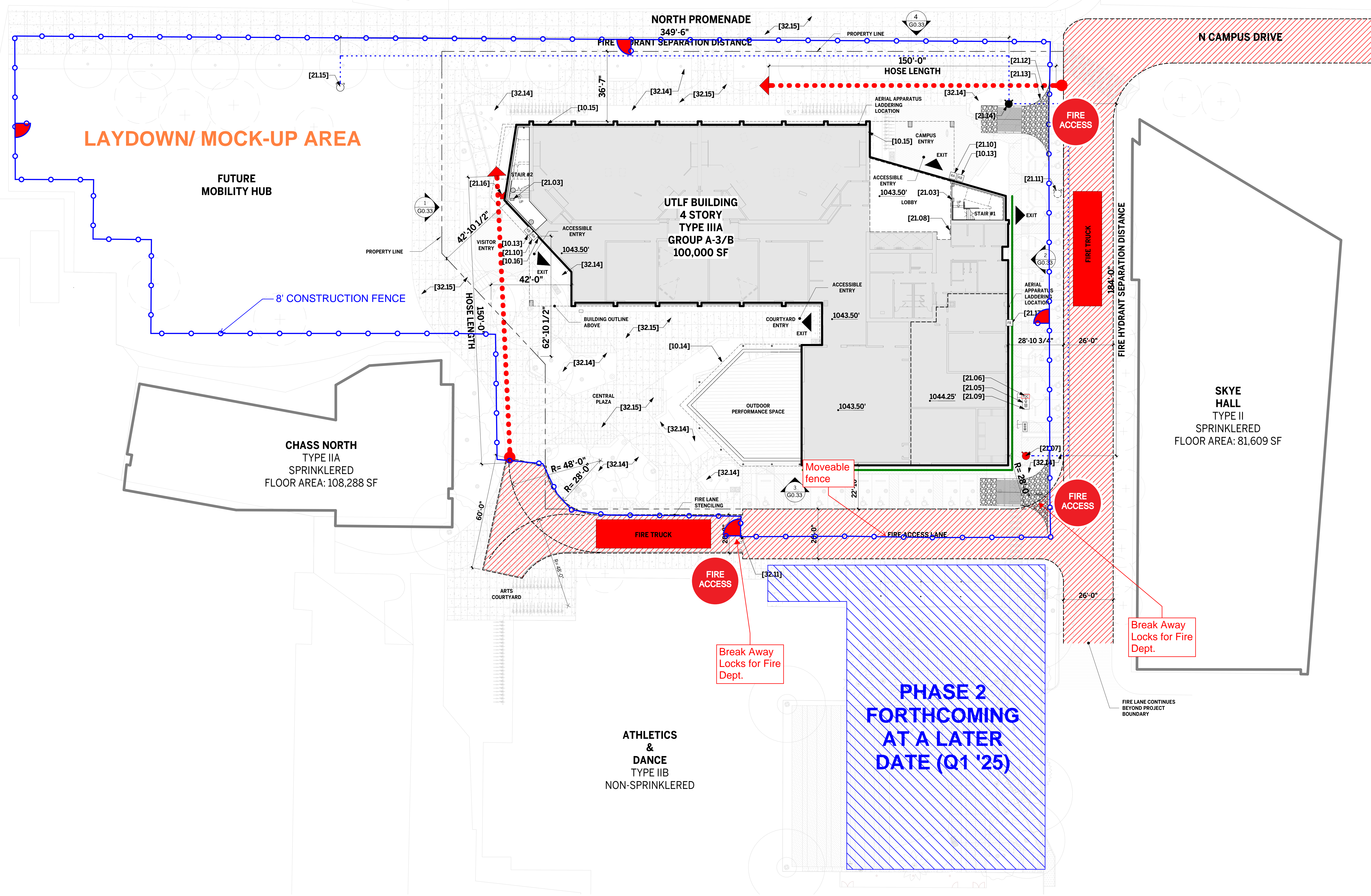
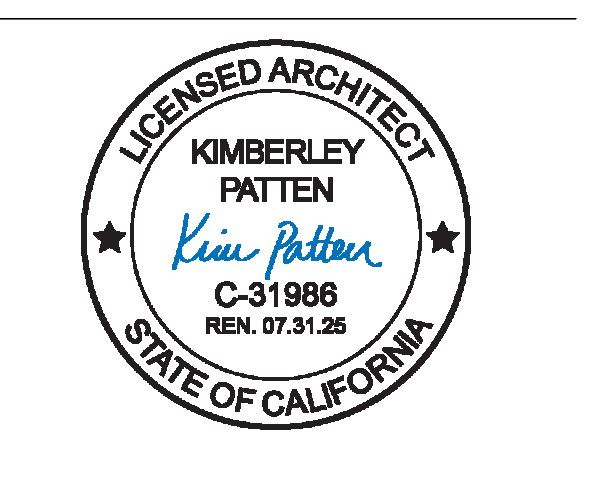


Legend

- | | | | |
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SCAN THE QR CODE
for Vertical Construction
Animation





FIRE ACCESS PLAN
SCALE: 3/4" = 1'-0"

FIRE MARSHAL SITE PLAN NOTES

A. FIRE SAFETY DURING CONSTRUCTION, ALTERATION, OR DEMOLITION OF A BUILDING SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 a. CFC SECTIONS CHAPTER 33 SHALL APPLY TO ALL BUILDINGS UNDER CONSTRUCTION.
 b. CFC SECTIONS CHAPTER 33 SHALL APPLY TO ALL BUILDINGS UNDER CONSTRUCTION FOR ALTERATION.
 c. CFC SECTIONS CHAPTER 33 SHALL APPLY TO ALL BUILDINGS UNDER DEMOLITION.
 B. WHEN THE BUILDING IS PROTECTED BY A FIRE PROTECTION SYSTEM, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING DEMOLITION AND/OR ALTERATION WHENEVER THE BUILDING IS OCCUPIED.
 C. MAINTAIN AROUND AND ADJACENT TO ALL FENCE LINES A FIRE BREAK MADE BY REMOVING AND CLEARING AWAY ALL FLAMMABLE VEGETATION, EXCLUDING CAMPUS LANDSCAPED TREES AND SHRUBBERY FOR NOT LESS THAN 30 FEET OF THE ENCLOSURE (TITLE 39 SECTION 3027).
 D. EVERY BUILDING FOUR STORES OR MORE IN HEIGHT SHALL BE PROVIDED WITH ONE STANDPIPE FOR USE DURING CONSTRUCTION. SUCH STANDPIPES SHALL BE INSTALLED WHEN PROGRESS OF CONSTRUCTION IS NOT MORE THAN 40 FEET IN HEIGHT ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT ACCESS. (CFC SECTION 333.3)
 E. EMERGENCY ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT AN IMPOSED LOAD OF 80,000 POUNDS AND WILL HAVE A SURFACE THAT PROVIDES ALL-WEATHER DRIVING CAPABILITIES. (CFC APPENDIX D 0202.3)
 F. ALL WEATHER ACCESS ROADS AND HYDRANT LOCATIONS SHALL BE APPROVED BY THE DCFM AND SHALL BE IN PLACE AND OPERATIONAL BEFORE ANY COMBUSTIBLE MATERIALS ARE PLACED ON SITE. ACCESS ROADS AND HYDRANTS SHALL BE MAINTAINED AND REMAIN CLEAR OF OBSTRUCTIONS AT ALL TIMES PER CFC CHAPTER 3.
 G. THE GRADE OF FIRE DEPARTMENT ACCESS ROADS SHALL NOT EXCEED 10% FOR UNSPRINKLERED STRUCTURES. A MAXIMUM OF 5% GRADE MAY BE ALLOWED FOR STRUCTURES WITH AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM.
 H. FIRE LANE WIDTHS SHALL BE MEASURED FROM TOP OF CURB TO TOP OF CURB FOR FIRE LANES WITH CURBS AND GUTTERS, AND FROM FLOW LINE TO FLOW LINE FOR FIRE LANES WITH MODIFIED CURB DESIGNS (E.G., ROLLED, RAMPED, ETC.).
 I. PLANS FOR ALL UNDERGROUND PIPING SERVING HYDRANTS AND SPRINKLER SYSTEMS SHALL BE SUBMITTED TO UCR FIRE SAFETY DIVISION BEFORE INSTALLATION.
 J. ADDRESS NUMBERS SHALL BE A MINIMUM SIX INCHES HIGH, CONTRAST WITH THEIR BACKGROUND IN COLOR, AND BE PLAINLY VISIBLE FROM THE ROADWAY FROM WHICH THE BUILDINGS ARE APPROACHED. THE UCR FIRE SAFETY DIVISION WILL DETERMINE FINAL LOCATION.
 K. ACCESS GATES SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE IN COMPLIANCE WITH SECTION CFC, CHAPTER 5. SUBMIT PLANS TO UCR FIRE SAFETY DIVISION FOR APPROVAL.
 L. STORAGE, DISPENSING, OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH CFC REGULATIONS.
 M. ANY FUTURE MODIFICATION TO THE APPROVED FIRE SAFETY SITE PLAN OR APPROVED SITE PLAN, INCLUDING BUT NOT LIMITED TO ROAD WIDTH, GRADE, SPEED HUMPS, TURNING RADI, GATES OR OTHER OBSTRUCTIONS, SHALL REQUIRE REVIEW AND APPROVAL BY THE UCR FIRE SAFETY DIVISION PRIOR TO CONSTRUCTION.

HYDRANT FLOW TEST AND DEMAND

DEMAND: TYPE IIA CONSTRUCTION 83,701-97,700 SQ FT
 FIRE FLOW TABLE (B105.3(2)): 3,250 GPM FOR 3 HOURS
 REDUCED FIRE FLOW (B105.2): 1,000 GPM FOR 2 HOURS

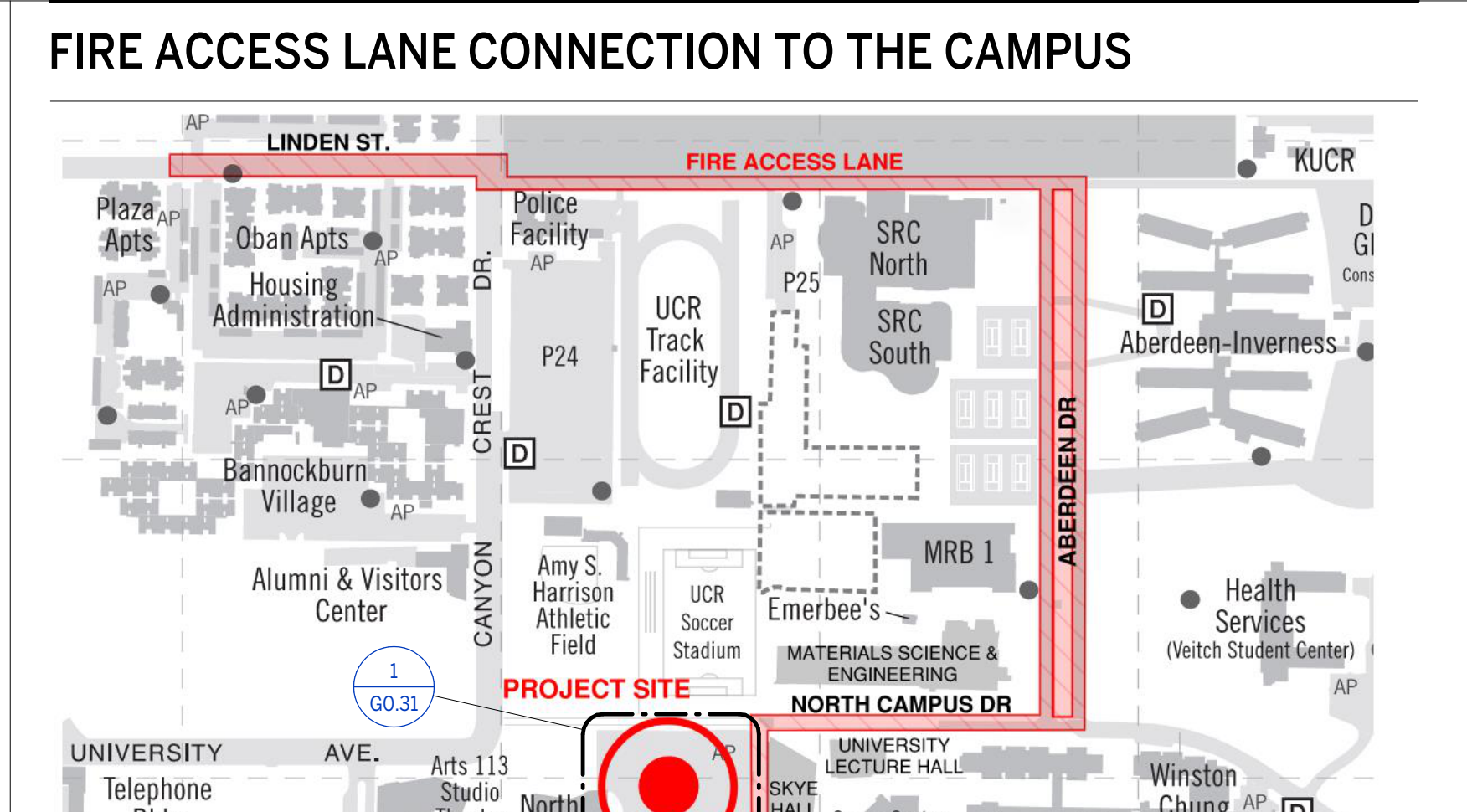
MINIMUM NUMBER OF HYDRANTS (C022.1): 1
 AVERAGE HYDRANT SPACING (C022.1): 500 FEET
 MAXIMUM DISTANCE FROM ANY POINT ALONG STREET: 250 FEET

KEYNOTES

10.13	KNOX BOX
10.14	CANOPY OUTLINE ABOVE SIGNAGE - BUILDING ADDRESS
10.15	STANDPIPE
21.03	FIRE BACKFLOW PREVENTION DEVICE
21.05	FIRE DEPARTMENT CONNECTION
21.07	FIRE HYDRANT
21.08	FIRE ALARM CONTROL PANEL (FACP)
21.09	POST-INDICATOR VALVE (PIV)
21.10	REMOTE ANNUNCIATOR
21.11	EXISTING FIRE HYDRANT FOR SKYE HALL (TO BE RELOCATED)
21.12	FDC AND PIV FOR SKYE HALL TO REMAIN
21.13	DOMESTIC BACKFLOW PREVENTER FOR SKYE HALL TO REMAIN
21.14	EXISTING FIRE HYDRANT FOR SKYE HALL (RELOCATED, NEW LOCATION)
21.15	EXISTING FIRE HYDRANT TO REMAIN
21.16	EXTERIOR STANDPIPE CONNECTION TO PROVIDE HOSE PULL COVERAGE ALONG NORTH PROMENADE
21.17	FIRE ALARM BELL
21.18	REMOVABLE METAL BOLLARDS
32.14	LANDSCAPE AREA
32.15	HARDSCAPE AREA

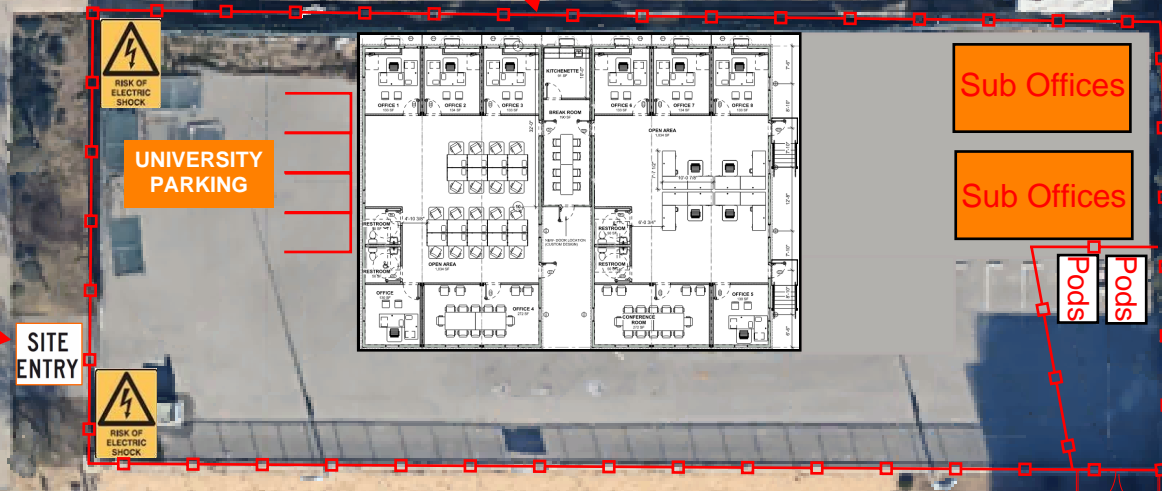
LEGEND

--- (dashed line)	LIMIT OF WORK
--- (dotted line)	OVERHANG
--- (solid line)	FIRE LANE WIDTH AS NOTED, PAINT CURBS RED
--- (dotted line)	HOSE PULL LENGTH
--- (solid line)	HOSE LAY LENGTH
--- (dotted line)	FIRE HYDRANT SEPARATION DISTANCE
--- (solid line)	PORTION OF EXTERIOR WALL BETWEEN 15-30 FEET FROM FIRE LANE (CFC D005.3)
--- (solid line)	BUILDING FOOTPRINT
--- (solid line)	BUILDING OVERHANG
▲ (black triangle)	EXIT
▲ (white triangle)	EXISTING FIRE HYDRANT, TO BE RELOCATED
▲ (black triangle)	EXISTING FIRE HYDRANT, RELOCATED
▲ (white triangle)	EXISTING FIRE HYDRANT, TO REMAIN
▲ (black triangle)	NEW FIRE HYDRANT
▲ (white triangle)	PROPOSED STANDPIPE HOSE CONNECTION
▲ (black triangle)	PROPOSED FIRE DEPARTMENT CONNECTION
▲ (white triangle)	FIRE ALARM BELL
▲ (black triangle)	KNOX BOX
▲ (white triangle)	REMOTE ANNUNCIATOR PANEL



Nearest Hydrant is located in front of the gym up the road

Fence to be 8' w/ McC Privacy Screen



SITE ENTRY

UNIVERSITY PARKING

Sub Offices

Sub Offices

Pods

Pods

EMERGENCY ACCESS

EMERGENCY ACCESS

Multidisciplinary Research Building