

# Institute of Biotechnology

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Institute of  
Biotechnology Site

Parking  
Garage Site

Aerial View of Site Looking Southwest

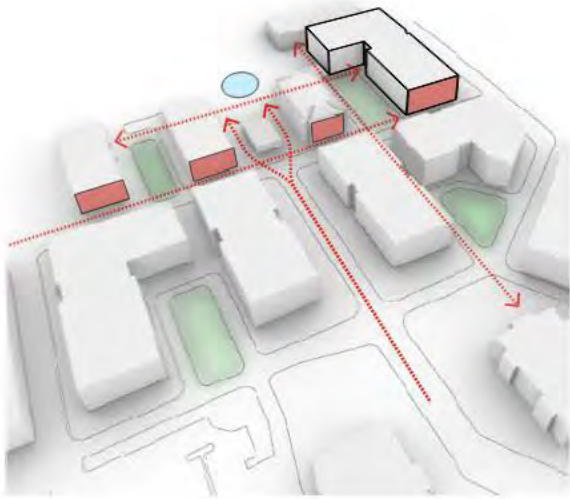


Site Plan

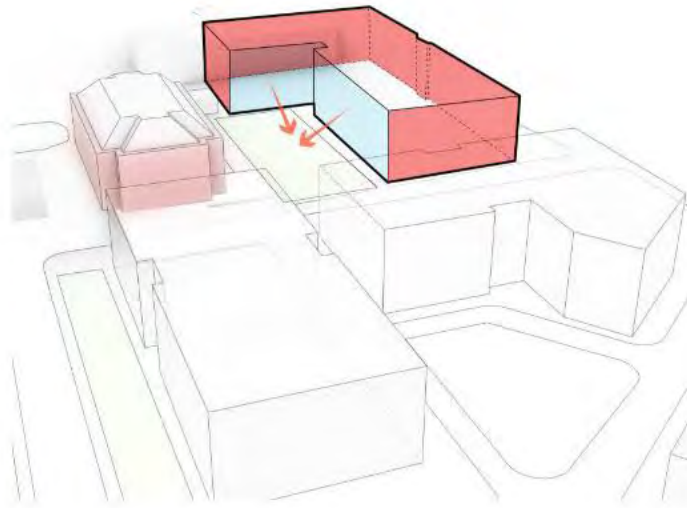


0 200'

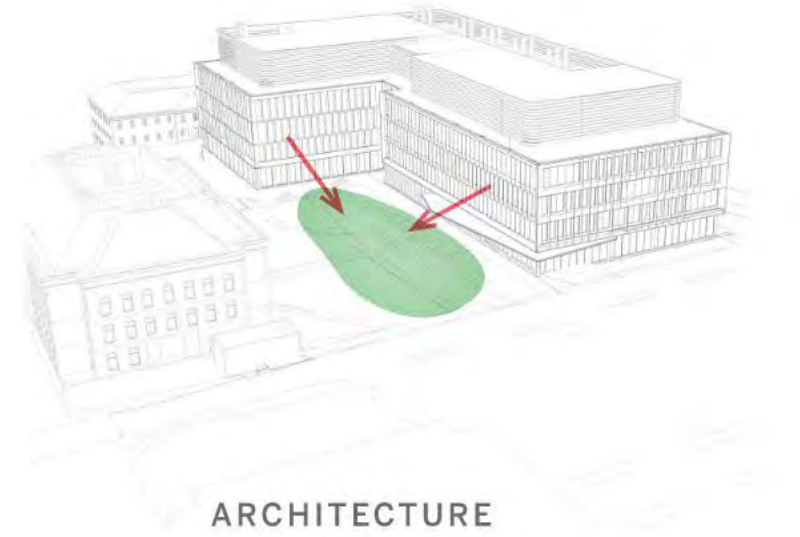




CONNECTIVITY



COURTYARD EMPHASIS

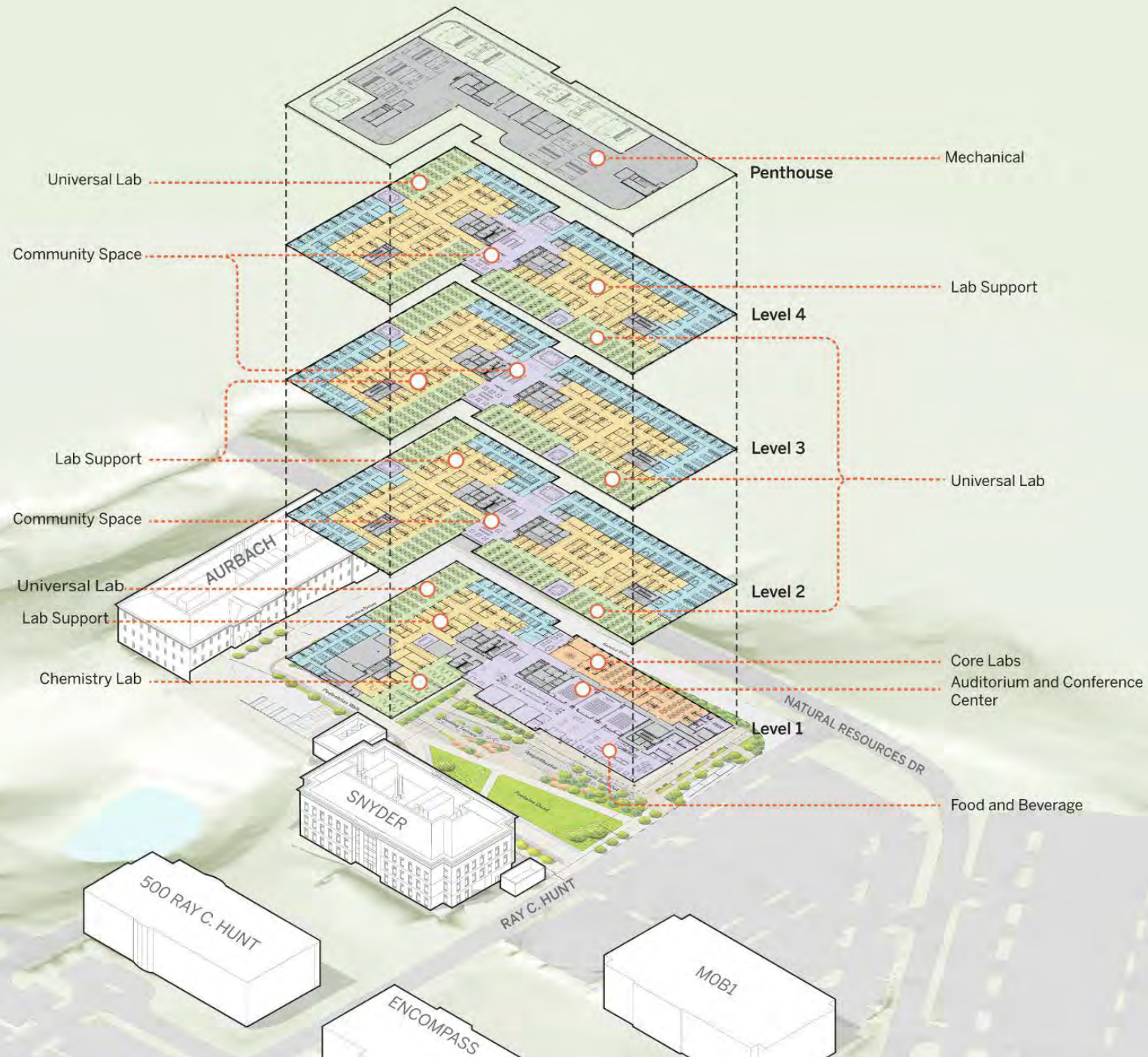


ARCHITECTURE

**Institute of Biotechnology**



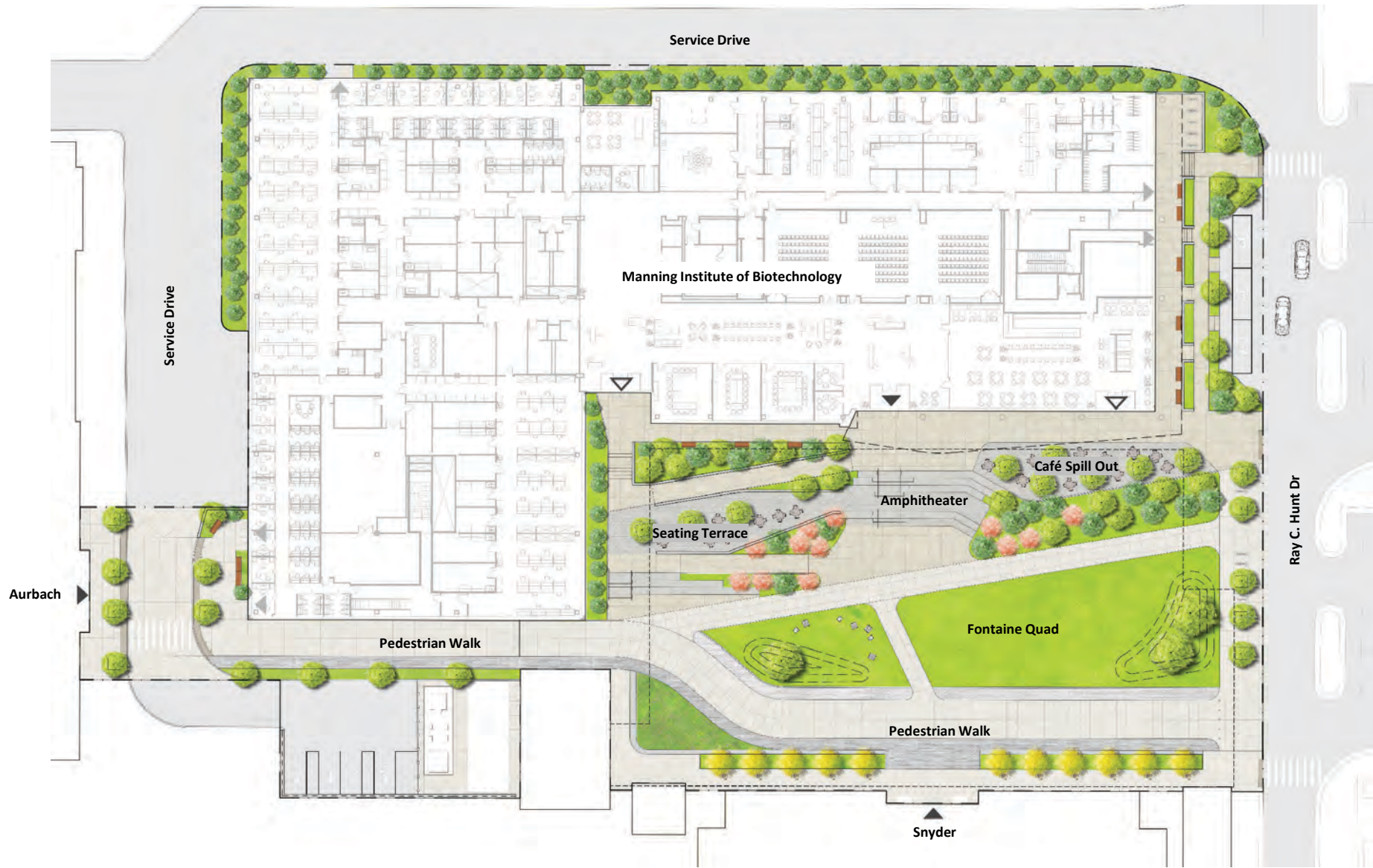
Site Section Looking South



# Program Stacking



**Proposed View Looking South**



- ▼ Main Entrance
- ▽ Secondary Entrance
- ▶ Service Access

**UVA Manning Institute of Biotechnology Site Plan**



Proposed View From Snyder Looking West



**ENERGY EFFICIENCY & OPERATIONAL CARBON**

- 1 HIGH PERFORMANCE FAÇADE
- 2 HEAT RECOVERY
- 3 CHILLED WATER SUPPLY FROM CENTRAL UTILITY PLANT
- 4 DEMAND CONTROLLED VENTILATION
- 5 ENERGY EFFICIENT LIGHTING DESIGN
- 6 ALL-ELECTRIC READY
- 7 SOLAR READY ROOFTOP

**OCCUPANT HEALTH, WELLNESS, & COMFORT**

- 1 HIGH QUALITY DAYLIGHT THROUGH EXTENSIVE SHADING
- 2 MERV 13 FILTERS AND CO2 CONTROL
- 3 PROMOTE ACTIVE DESIGN THROUGH INTERNAL STAIR
- 4 LOW VOC AND NON-TOXIC MATERIALS

**EMBODIED CARBON & MATERIALS**

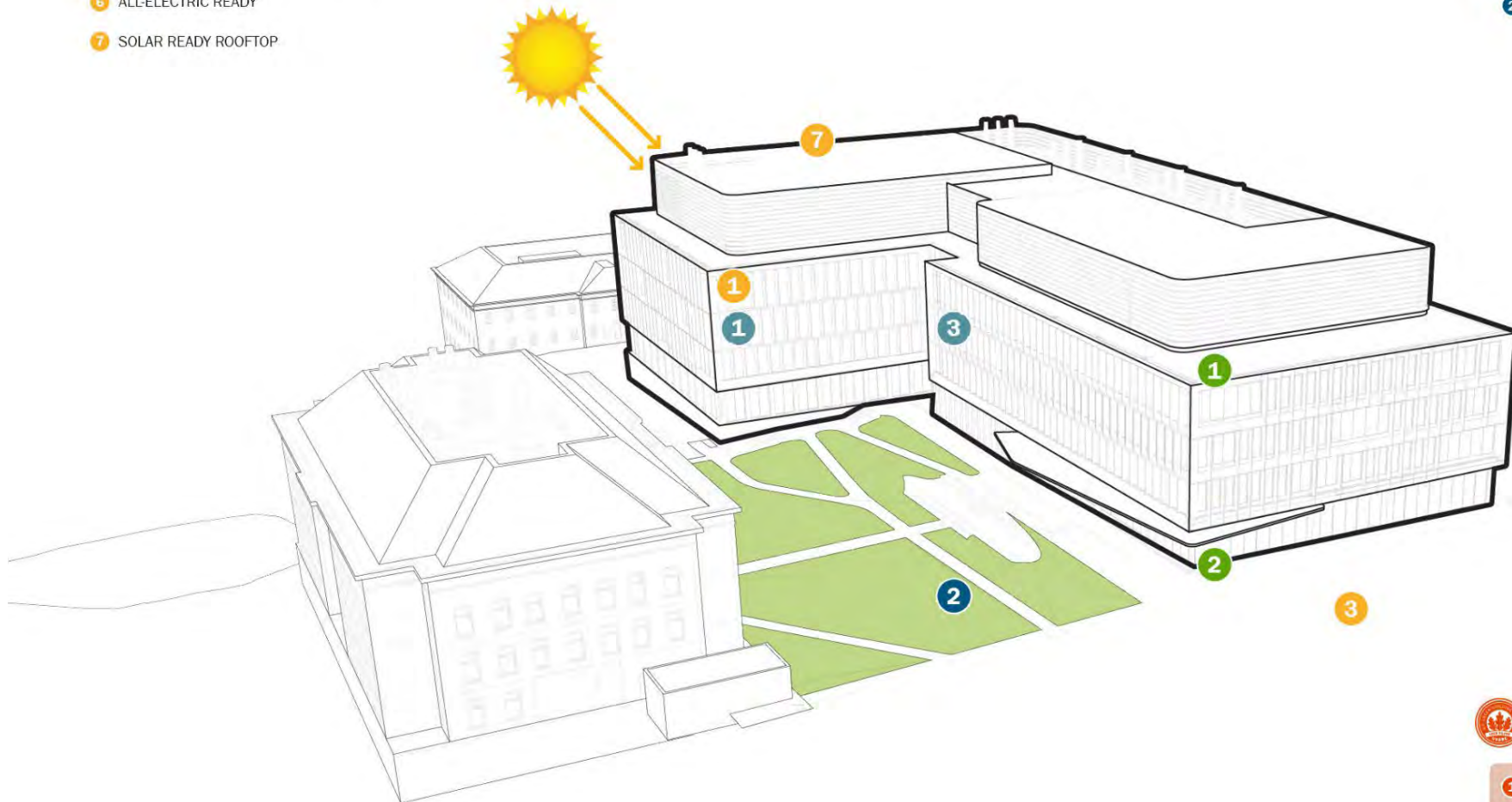
- 1 LOW CARBON RECYCLED MATERIALS
- 2 EFFECTIVE WASTE MANAGEMENT

**SITE & LANDSCAPE**

- 1 HIGH REFLECTANCE MATERIALS
- 2 BICYCLE RACKS AND SHOWER FACILITIES

**WATER MANAGEMENT & CONSERVATION**

- 1 LOW FLOW FIXTURES AND FITTINGS
- 2 NO PERMANENT IRRIGATION TO LANDSCAPE



**BENCHMARKING**

- 1 MINIMUM LEED SILVER

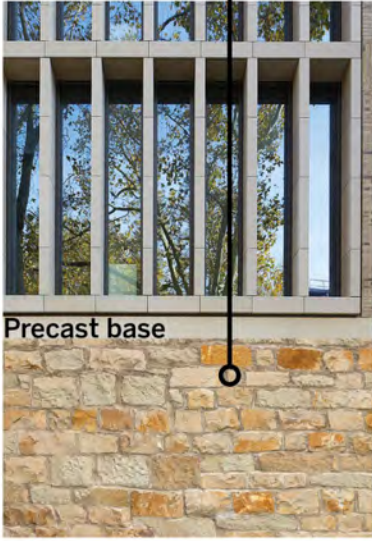
**Sustainability Initiatives**



Proposed View from Natural Resources Drive Looking Southeast



Metal Sunshades



Precast base

Rough Stone Base



Brick Pier Facade



Metal Panel



Precast "Swiss Coffee" Entrance Canopy



Brick



Stone

# Material Palette