

SEATTLE POLICE NORTH PRECINCTS

DESIGN DEVELOPMENT PRESENTATION

01/21/16



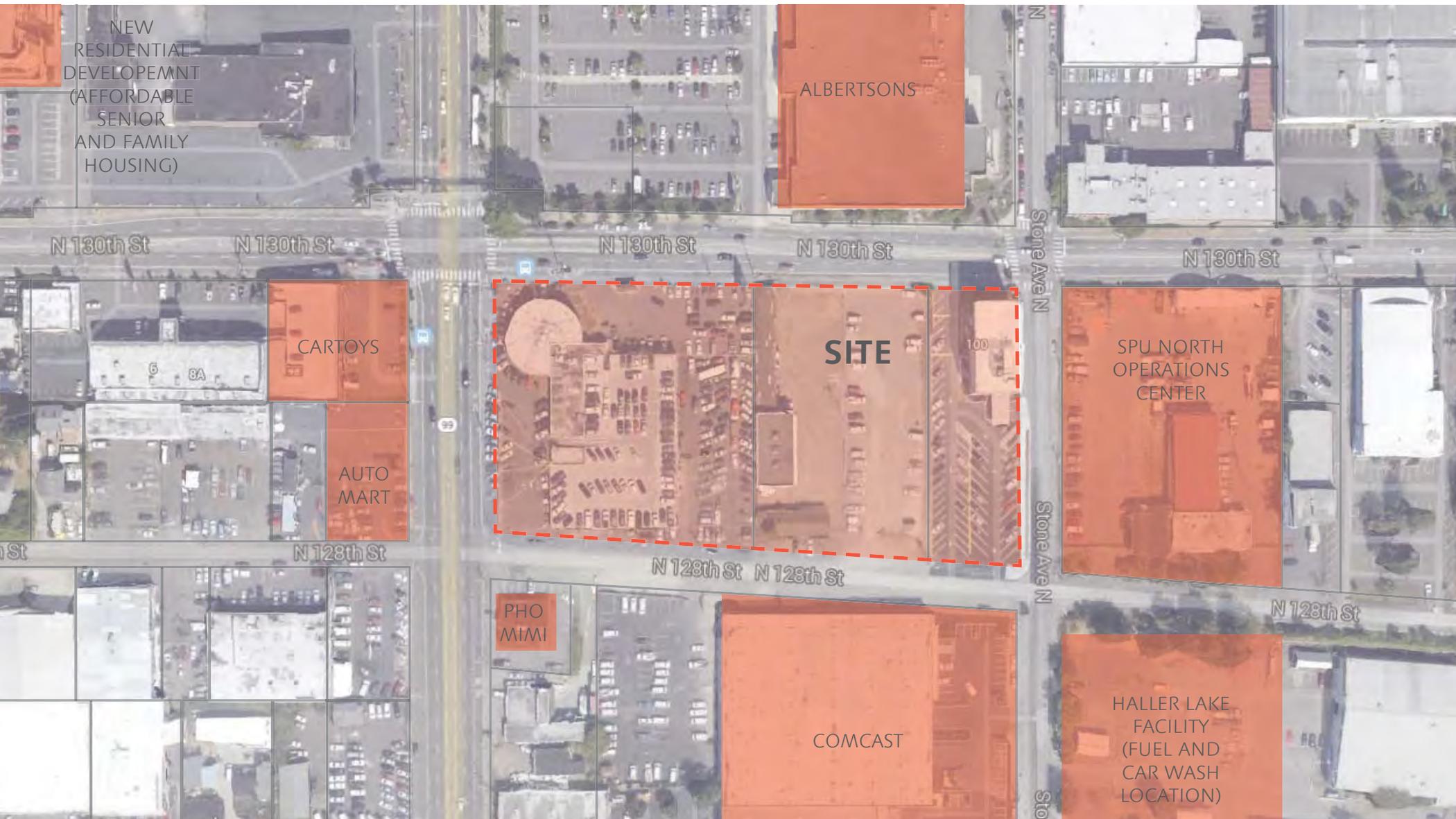




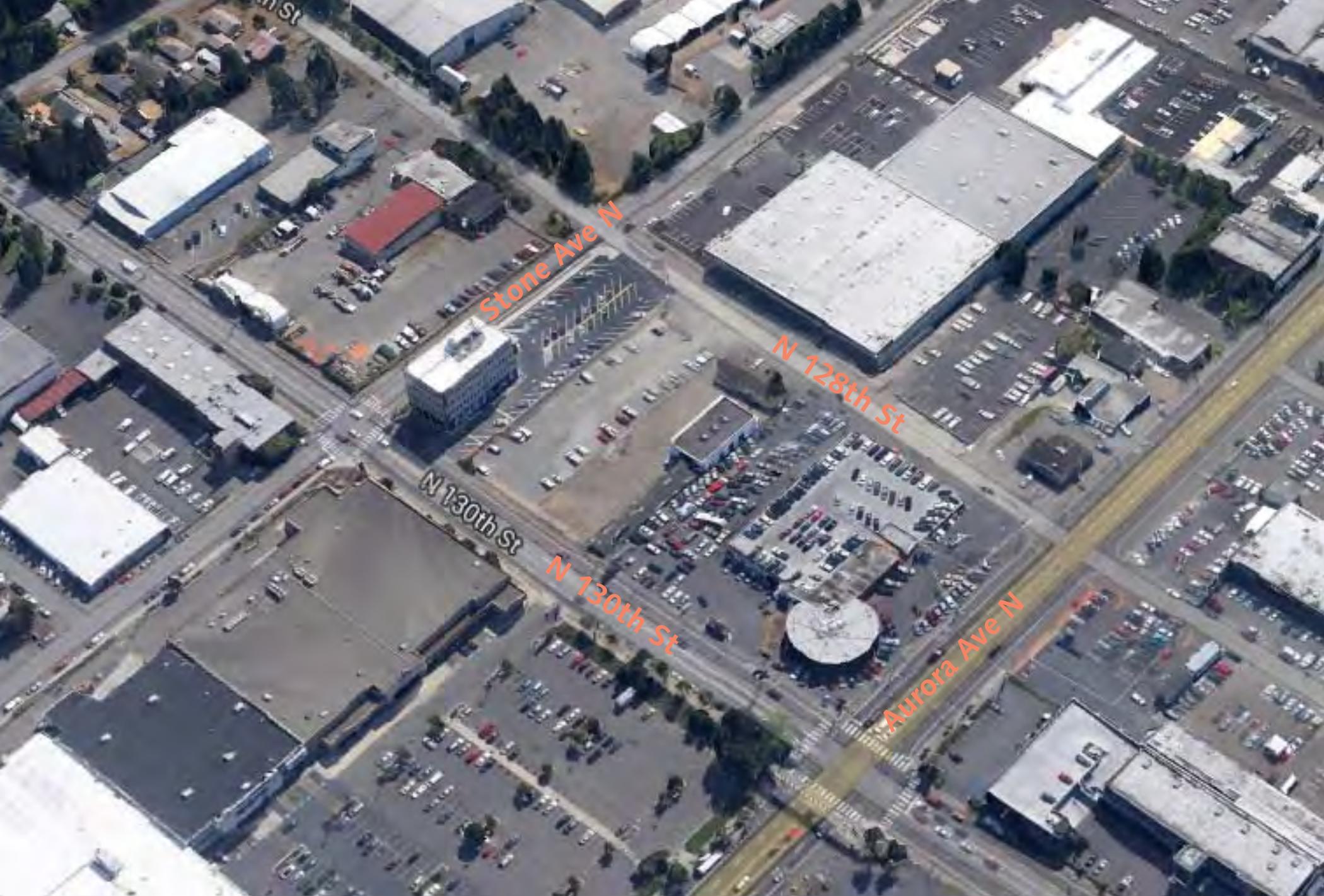
COMMUNITY ENGAGEMENT: OPEN HOUSE



NEIGHBORHOOD PLAN

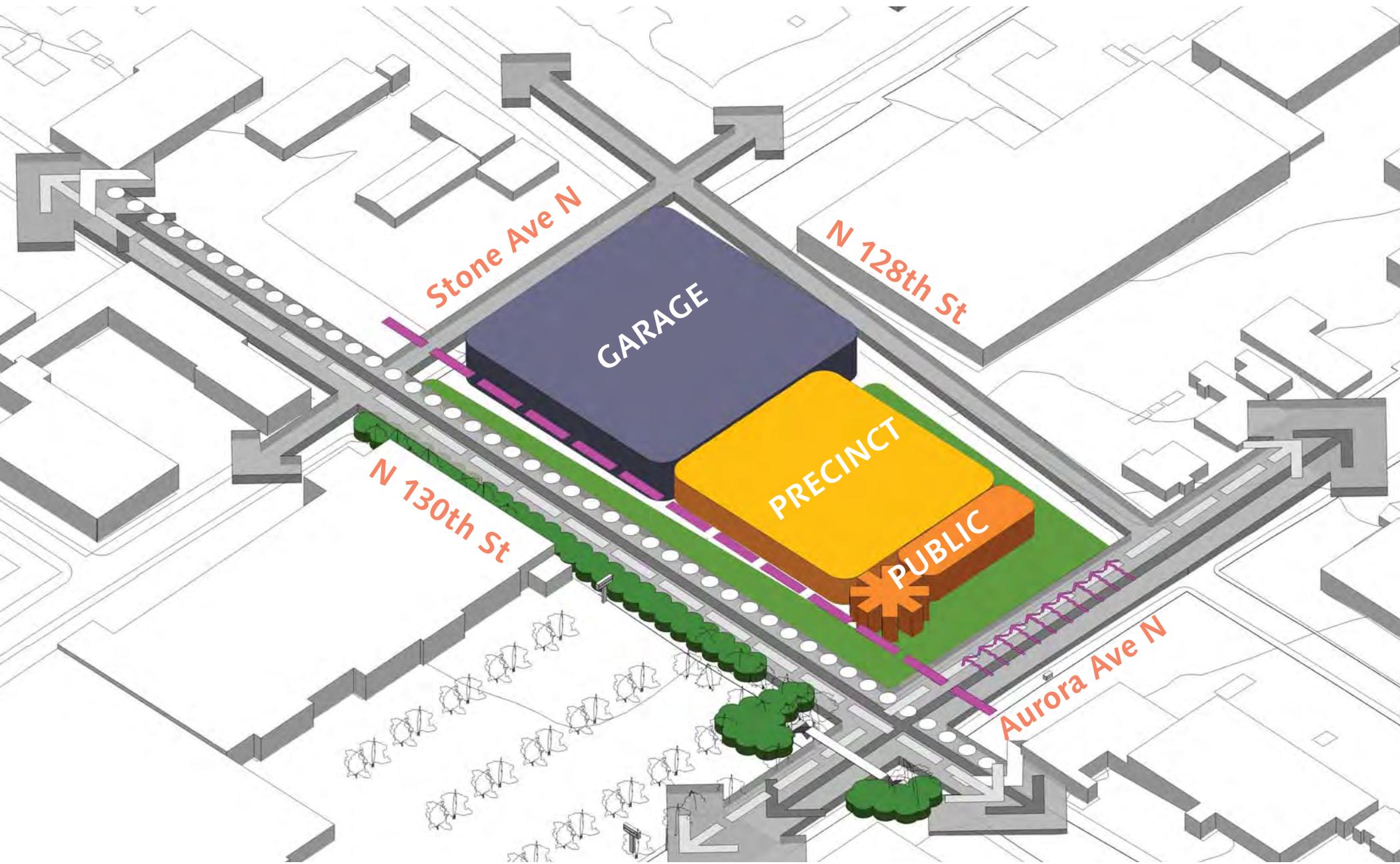


SITE AERIAL PHOTO



SITE AERIAL PHOTO





SITE DIAGRAM: PROGRAM LAYOUT





AURORA AVE & N 130TH ST



AURORA AVE & N 128TH ST



N STONE AVE & N 130TH ST

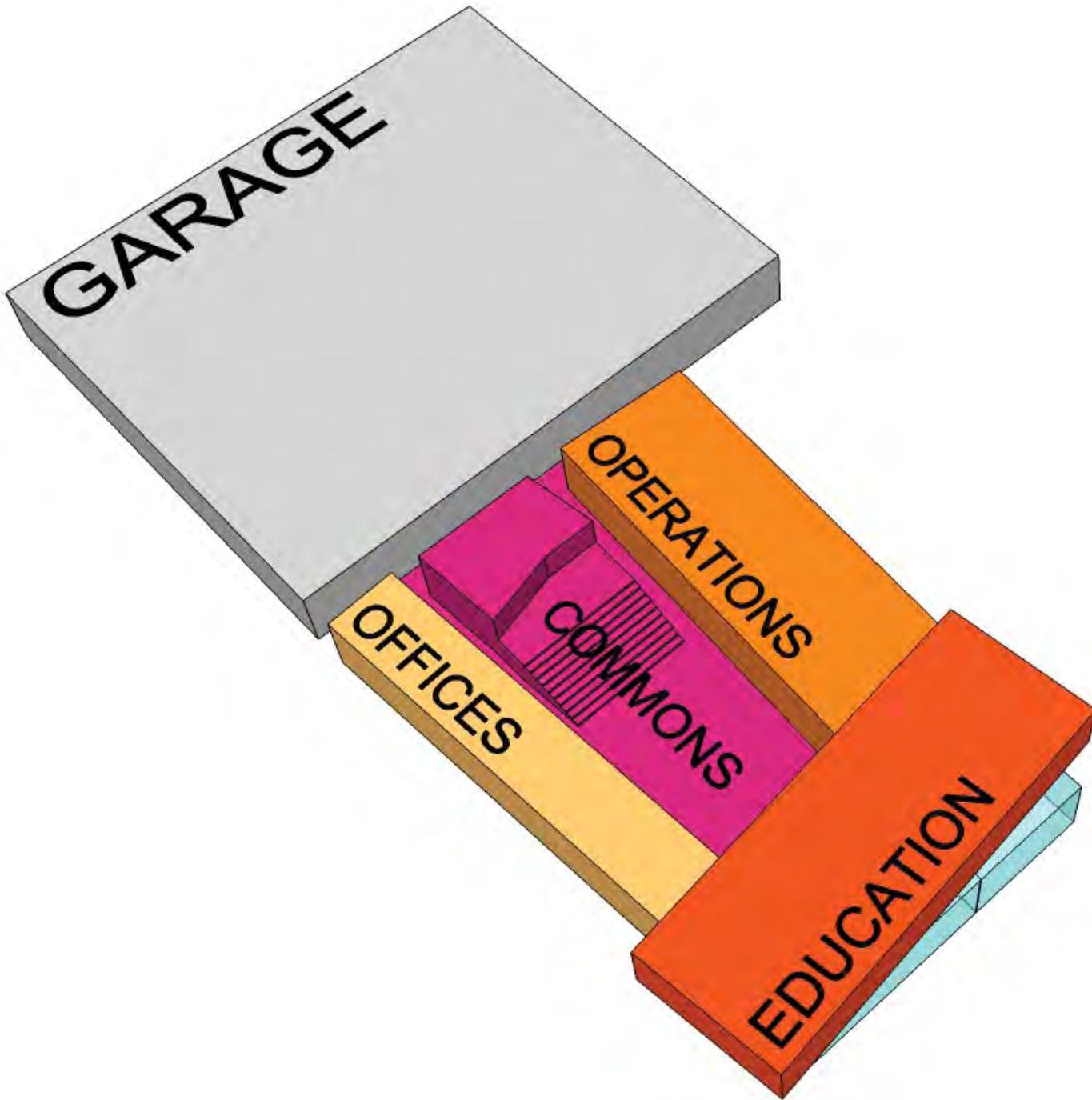


N STONE AVE & N 128TH ST

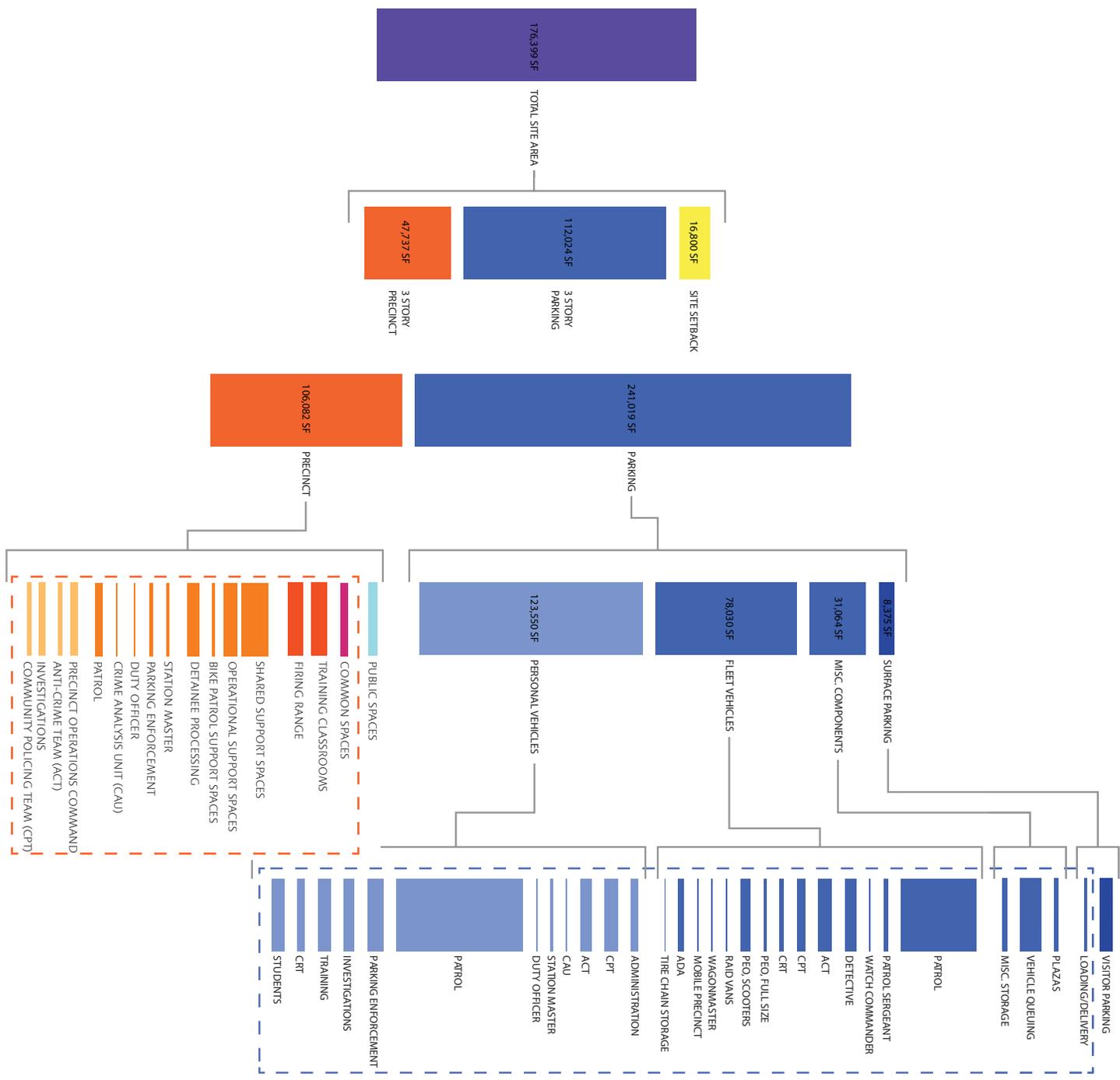
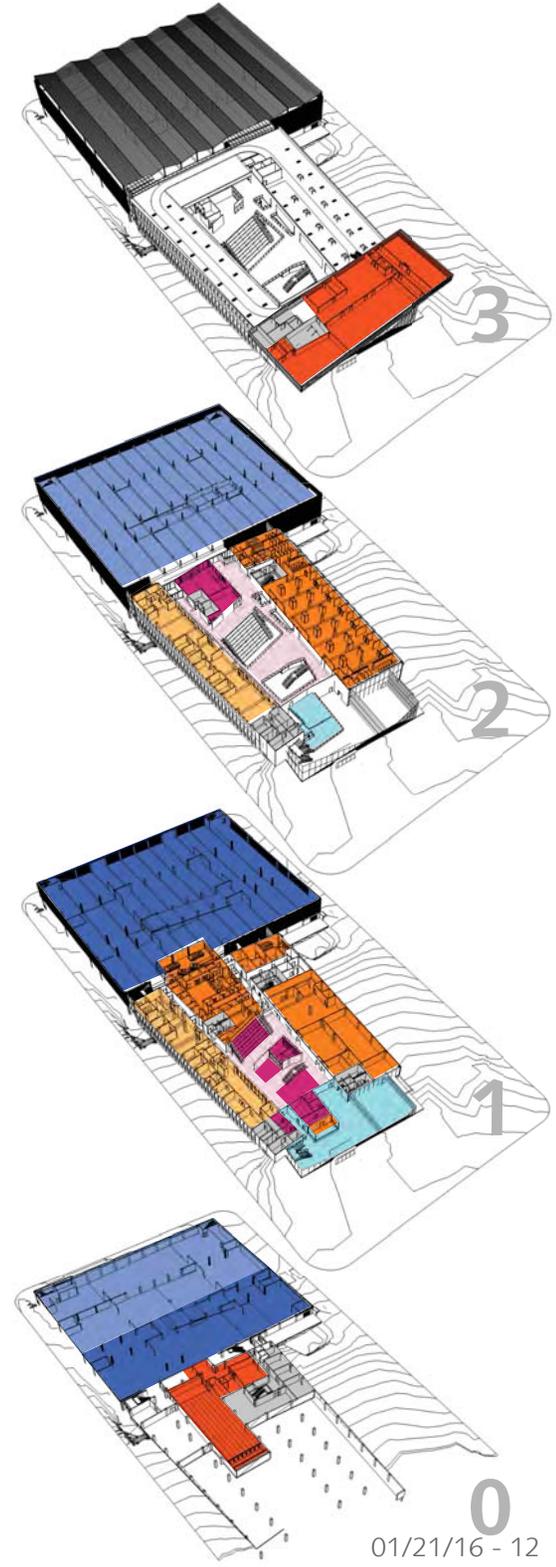


SITE PHOTOS

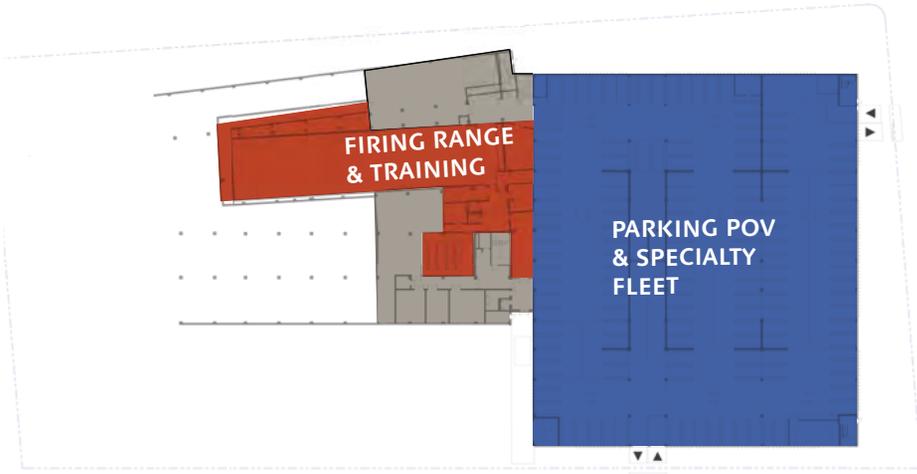
WHERE WE WERE



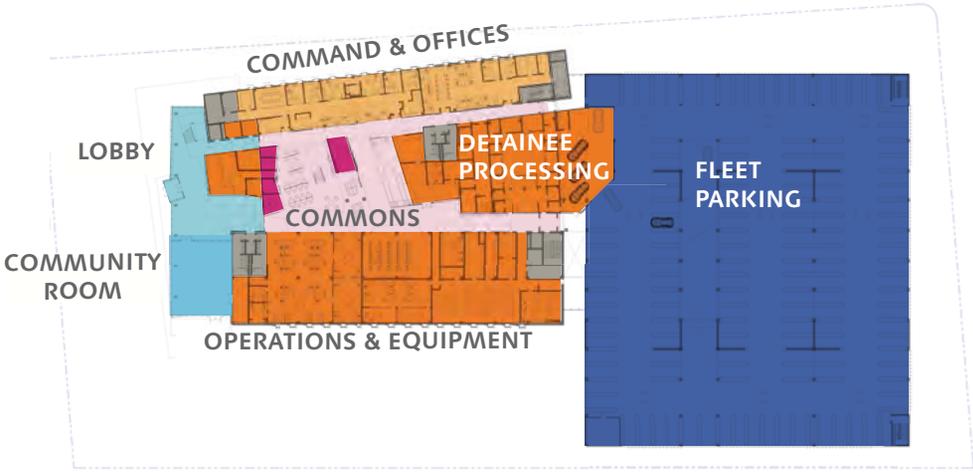
GARAGE PRECINCT EDUCATION PUBLIC



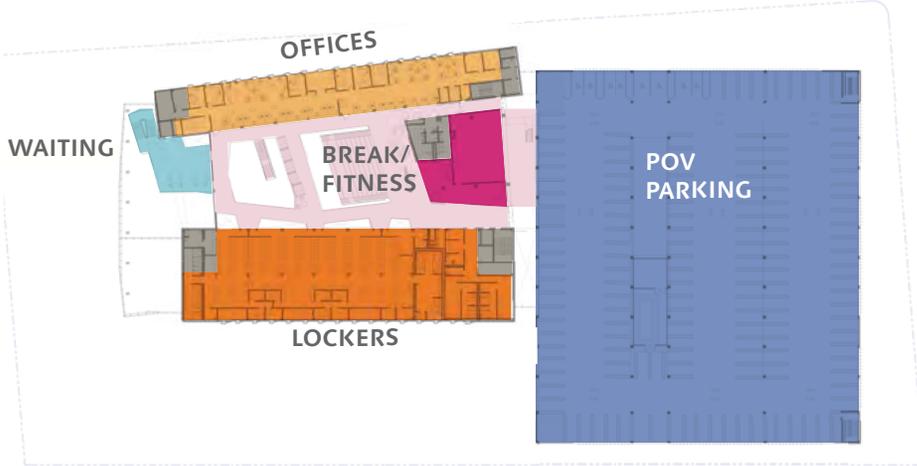
PROGRAM & LAYOUT



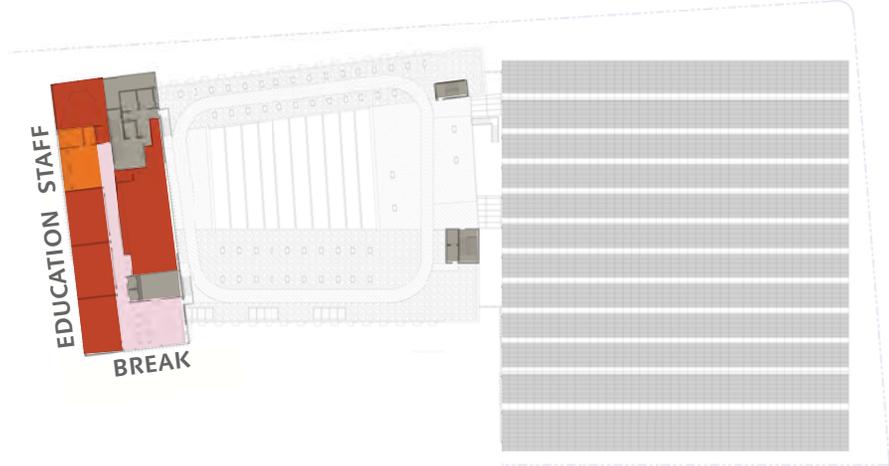
LEVEL 0



LEVEL 1

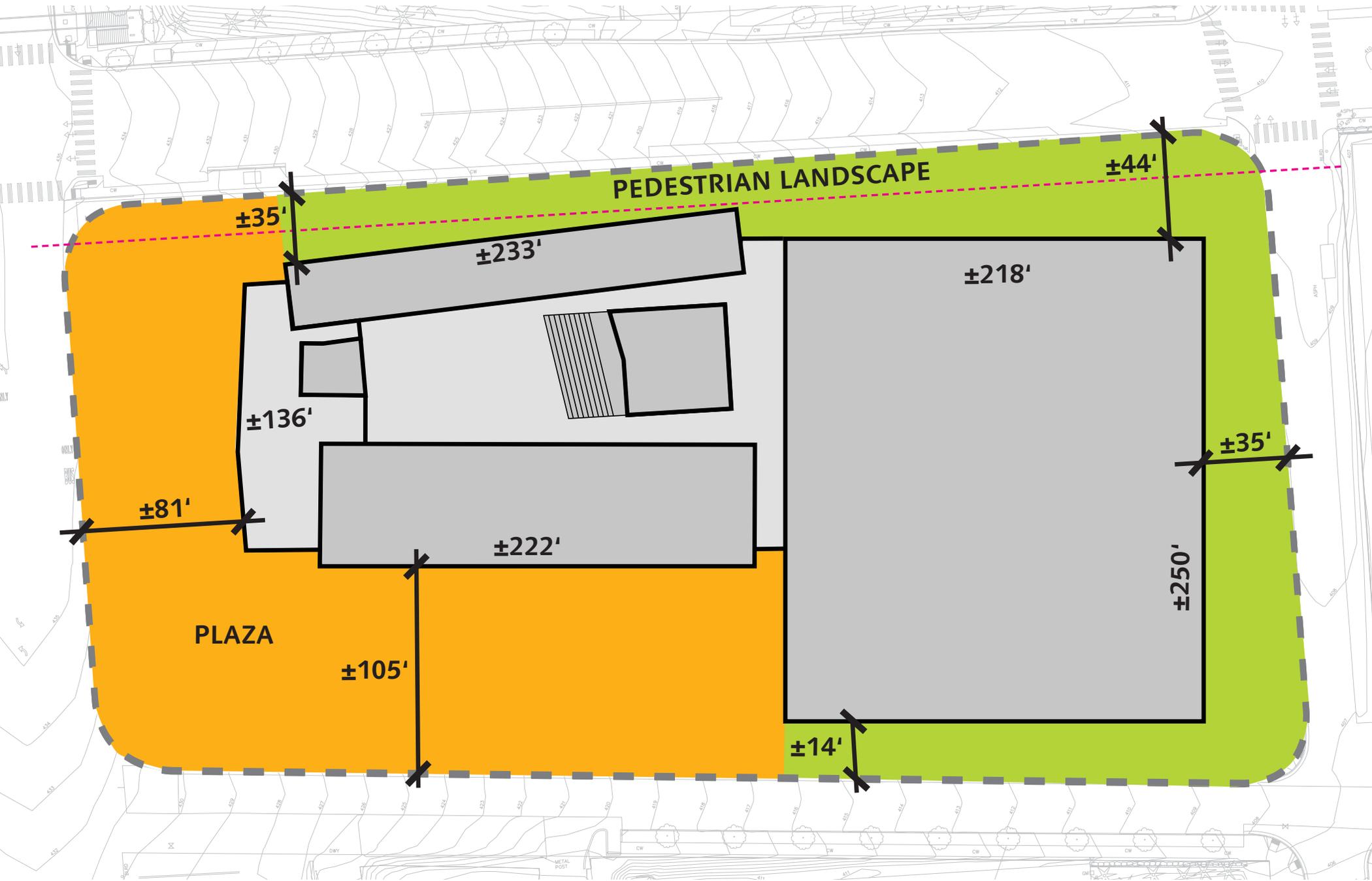


LEVEL 2

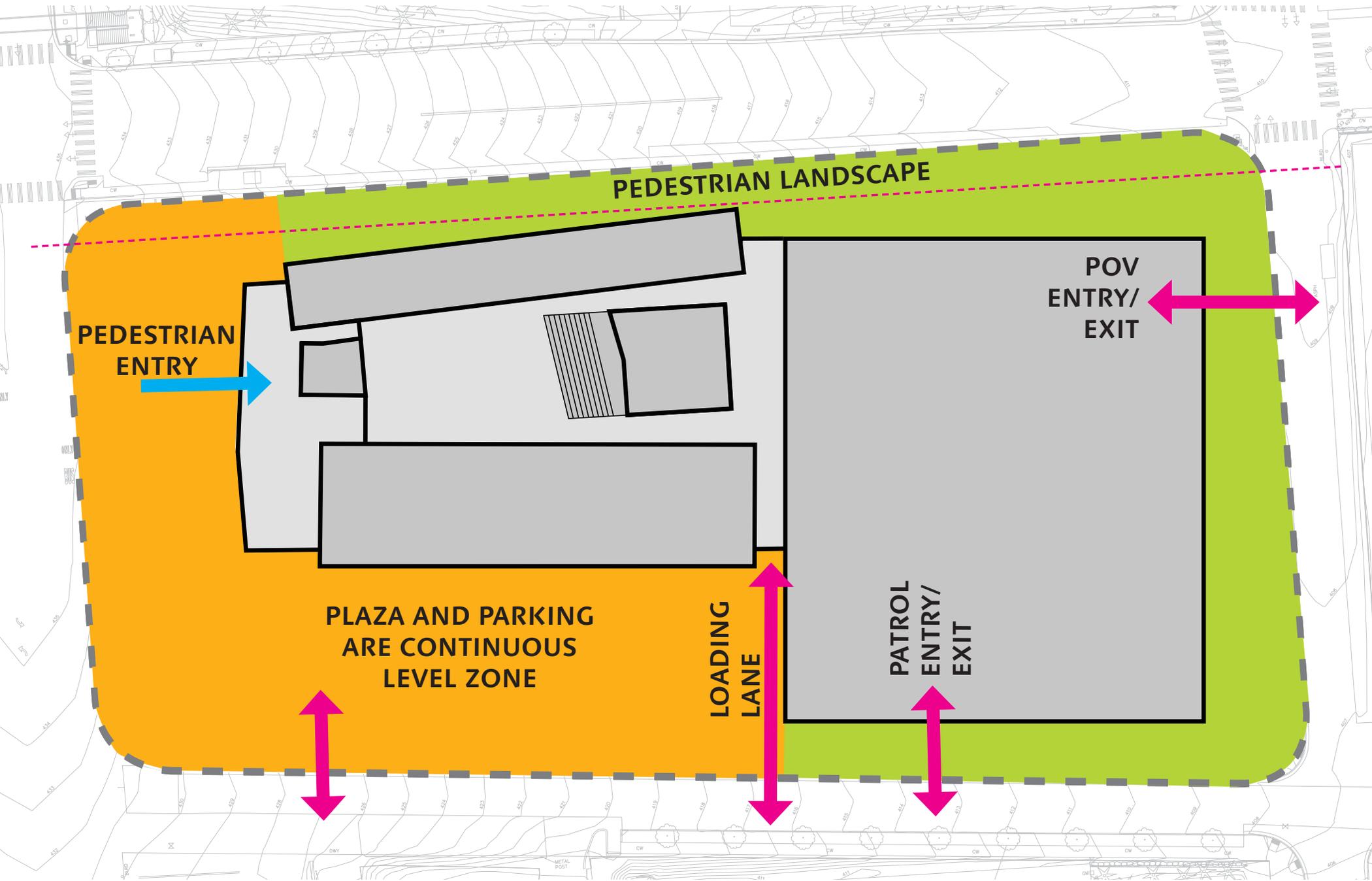


LEVEL 3

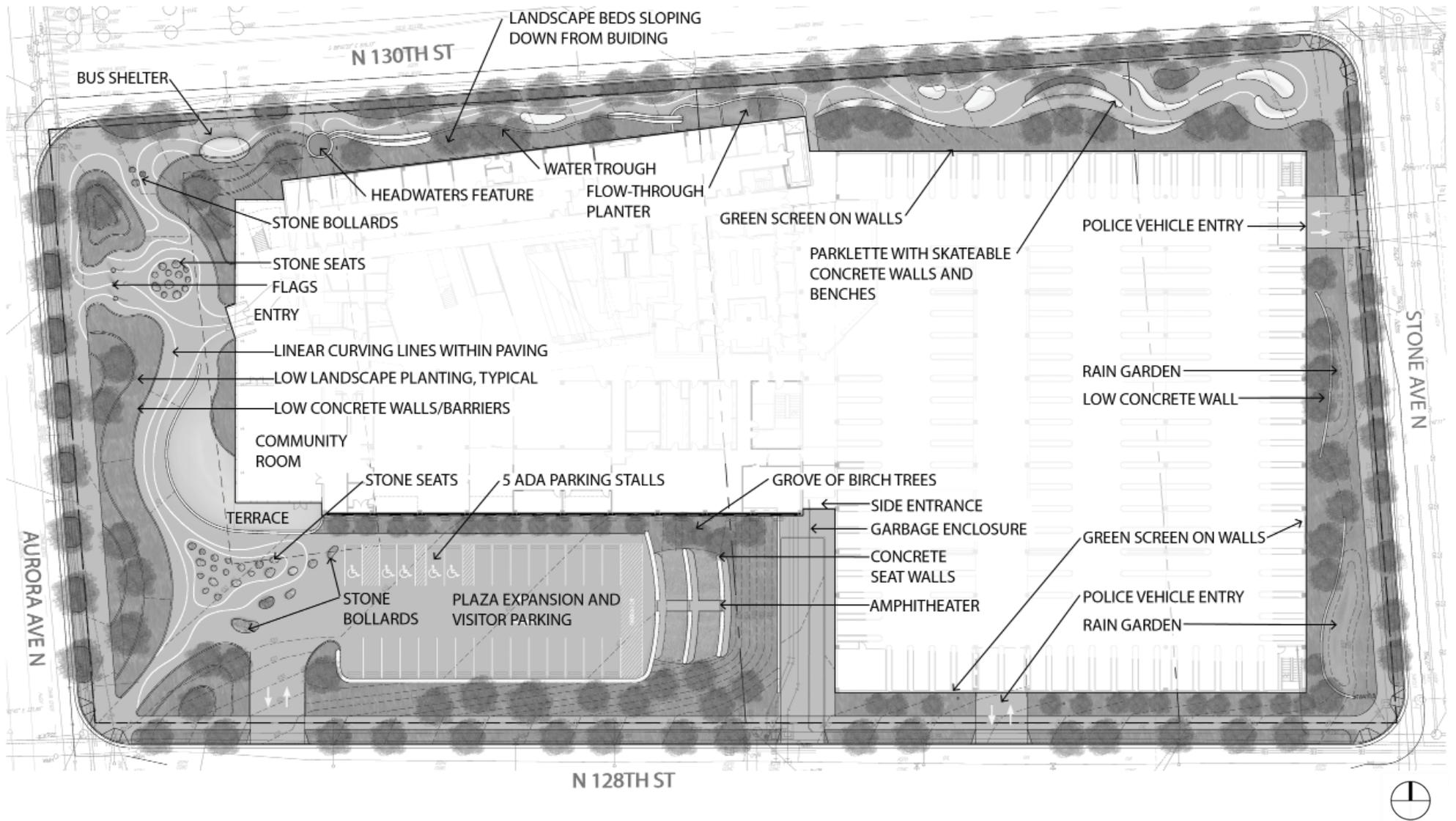
FLOOR PLANS



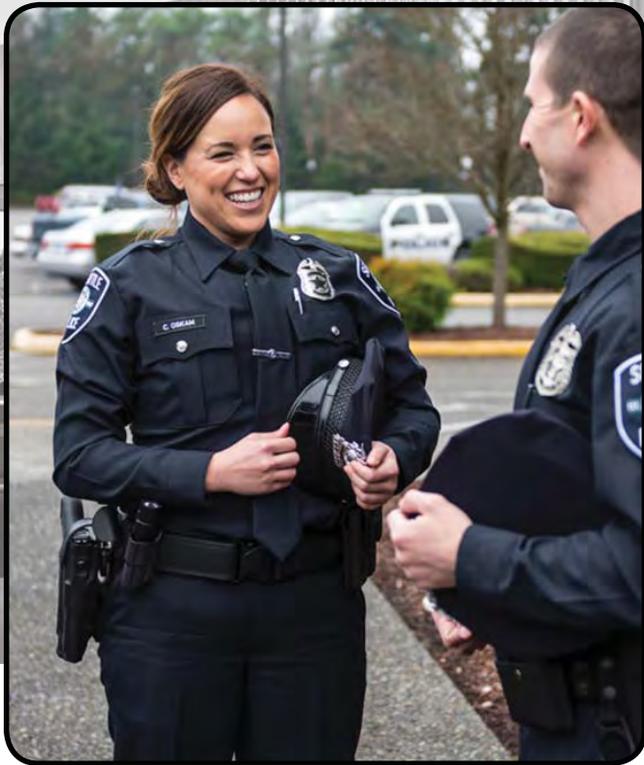
BUILDING SITE LOCATION: CURRENT LOCATION



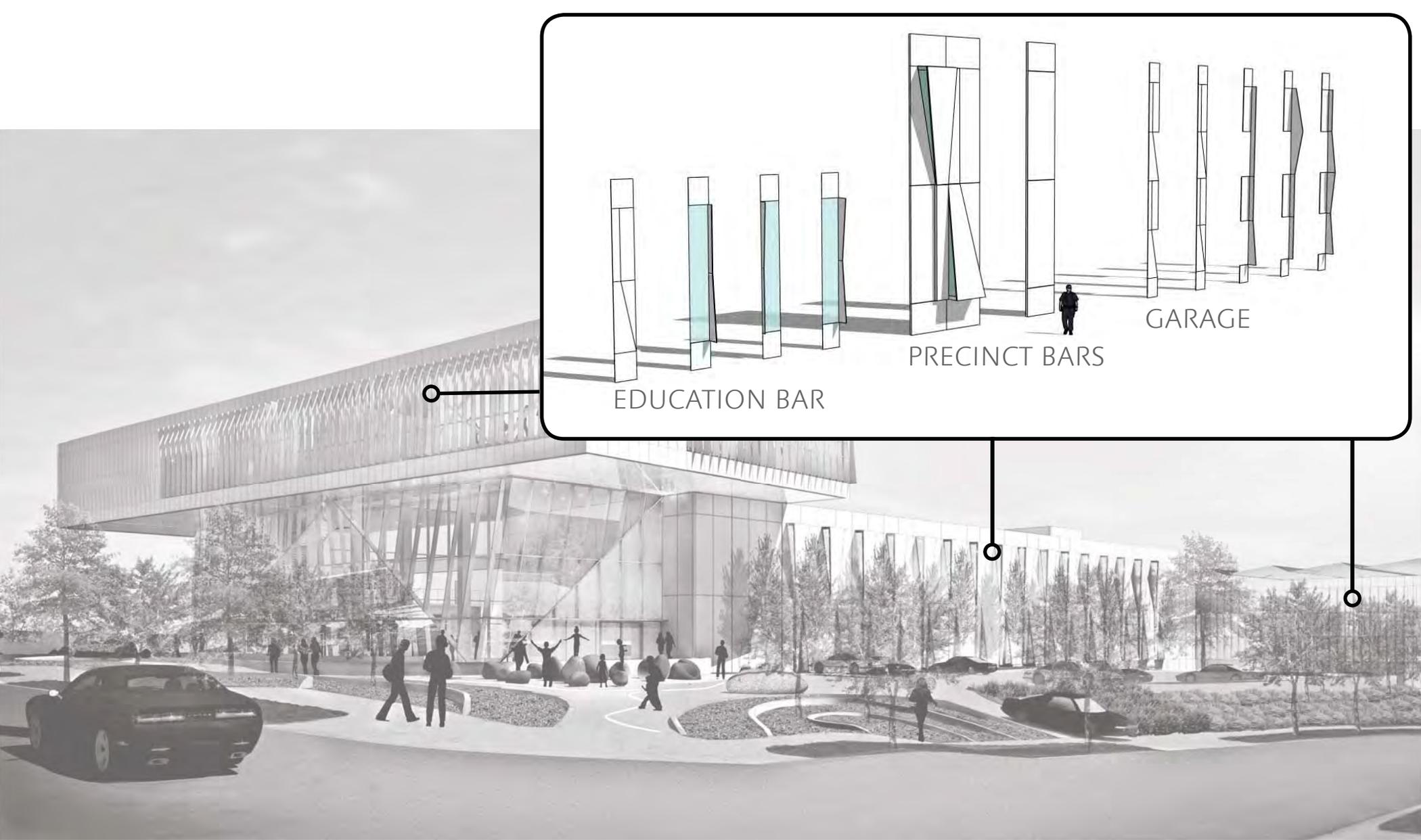
BUILDING SITE LOCATION: CURRENT VEHICLE SITE ACCESS



LANDSCAPE PLAN: PREVIOUS SCHEMATIC DESIGN



INSPIRATION: POLICE UNIFORM

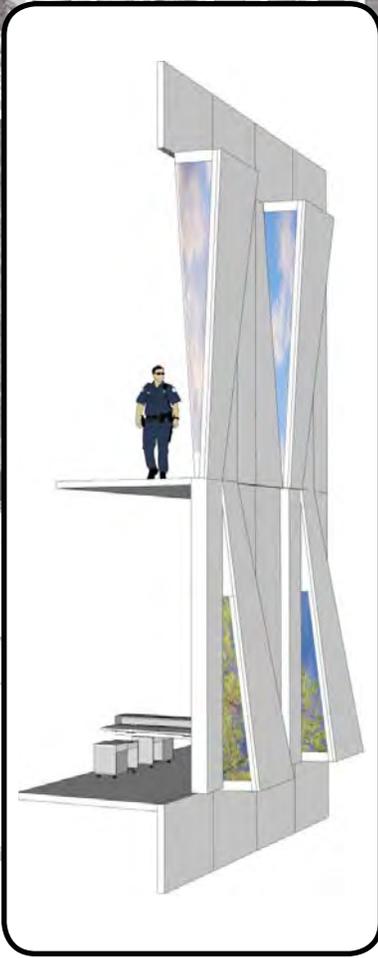


EDUCATION BAR

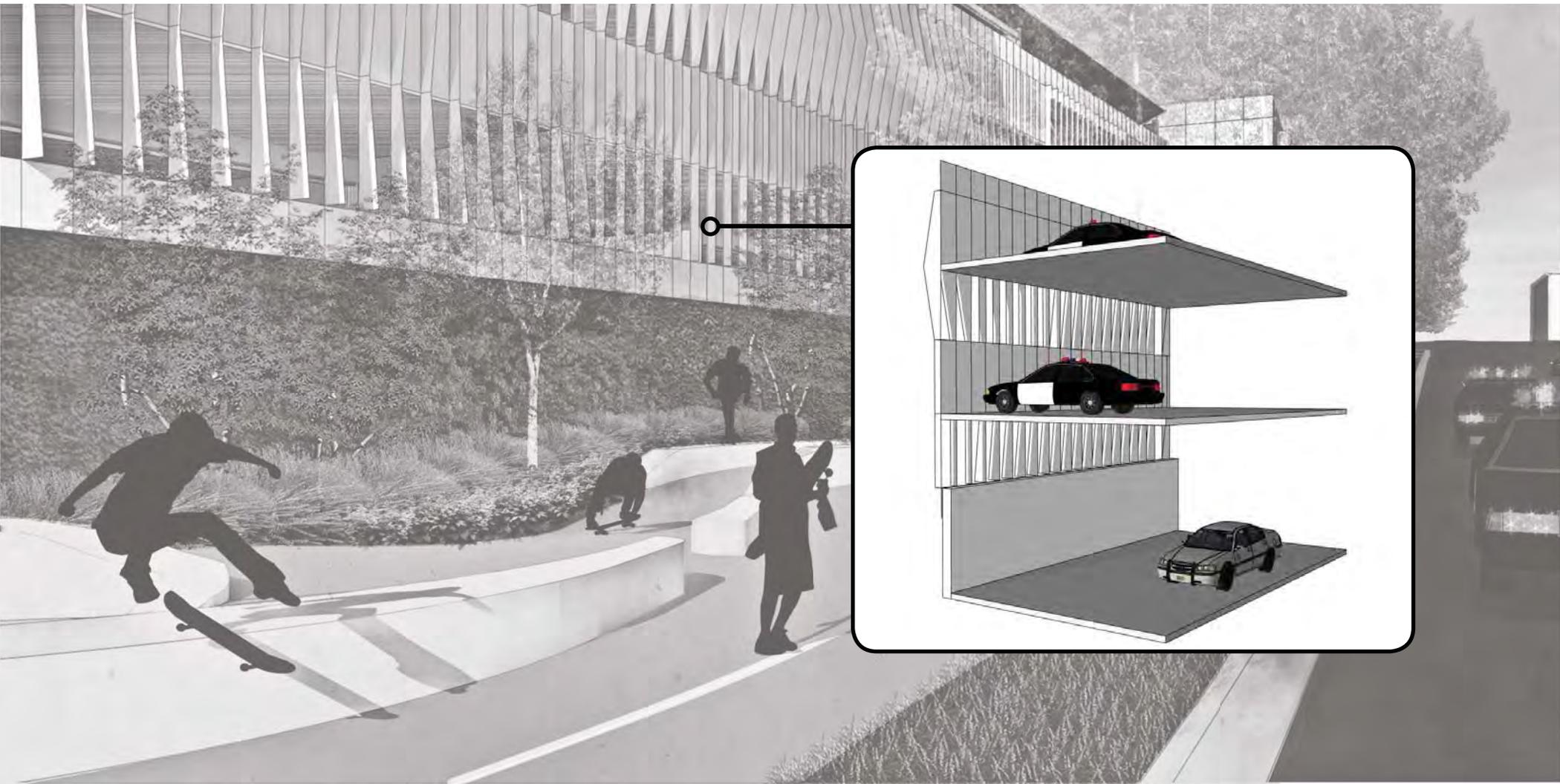
PRECINCT BARS

GARAGE

BUILDING CLADDING: FAMILY OF PANELS

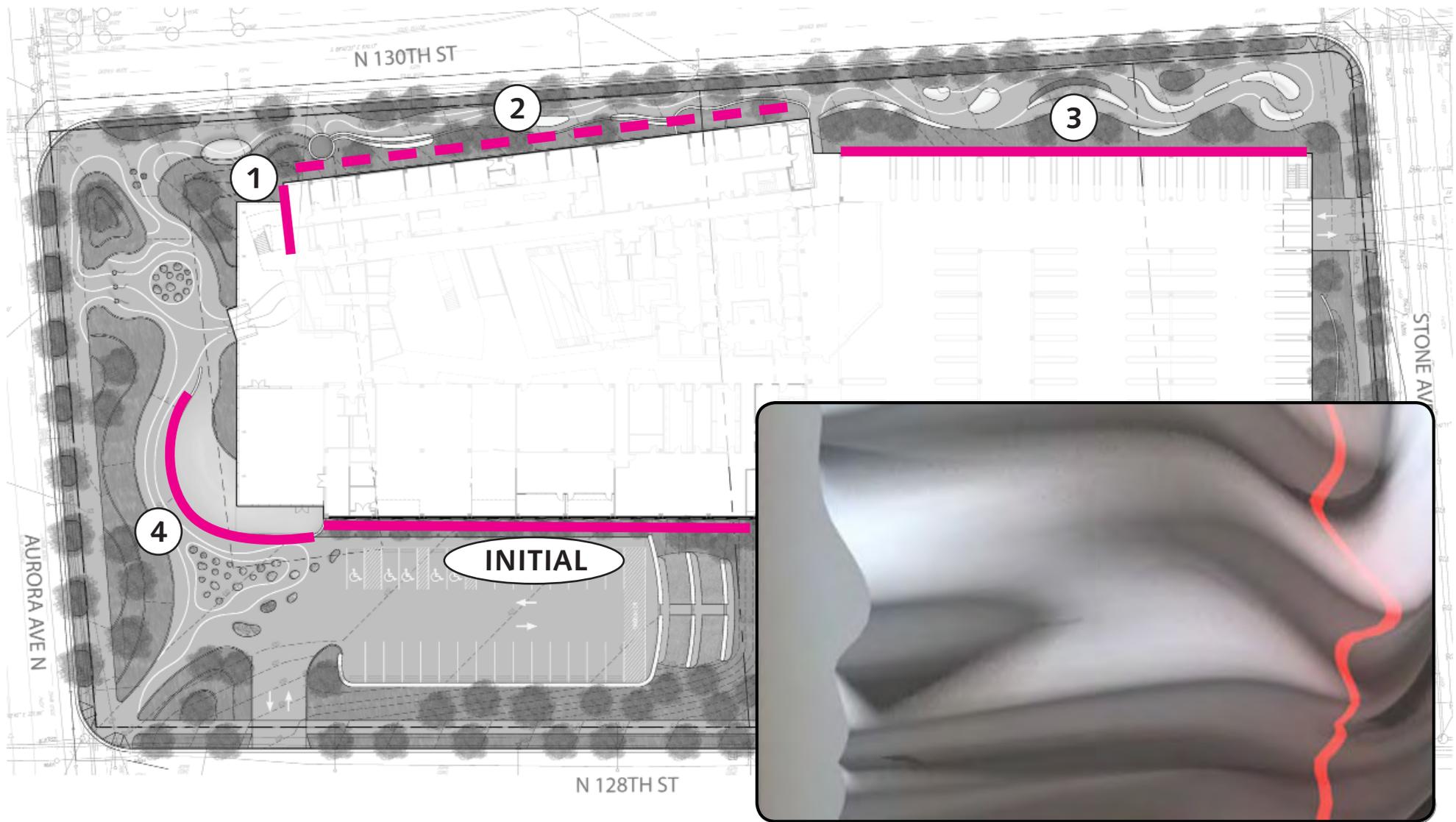


NORTH BUILDING SKIN DIAGRAM



GARAGE SKIN DIAGRAM

WHAT WE HEARD



PREVIOUS SCHEMATIC ART LOCATIONS: POTENTIAL OPTIONS

ART:

“On the topic of art, the Commission expressed a desire to see the art further developed quickly now that it was shifting location on the site.”

LOCATE THE PUBLIC ART



PREVIOUS SCHEMATIC PERSPECTIVE: AURORA & 130TH

AURORA ENTRY EXPERIENCE:

"Although progress had been made on the west end of the building, the commission was concerned that the vestibule was not of an appropriate scale in relationship to the overall façade and its design features"

EXPLORE THE VESTIBULE DESIGN



PREVIOUS CONCEPT PERSPECTIVE: AURORA & 128TH

LANDSCAPE DESIGN:

"The commission was concerned that the lines in the ground plane would negatively affect the landscape plan, given the amount and extent of the lines as a design feature.... The commission agreed that the lines were a good feature but that the design team needed to focus more attention to detail.

The commission then discussed the necessity of the proposed amphitheater.... it would be best if the amphitheater included programming, while several commissioners believed that, regardless of programming, the amphitheater could be an inviting, engaging feature, depending on how it was designed and integrated within the site."

REFINE THE PAVING CURVED LINES



PREVIOUS SCHEMATIC PERSPECTIVE: STONE & 128TH

SUSTAINABLE DESIGN:

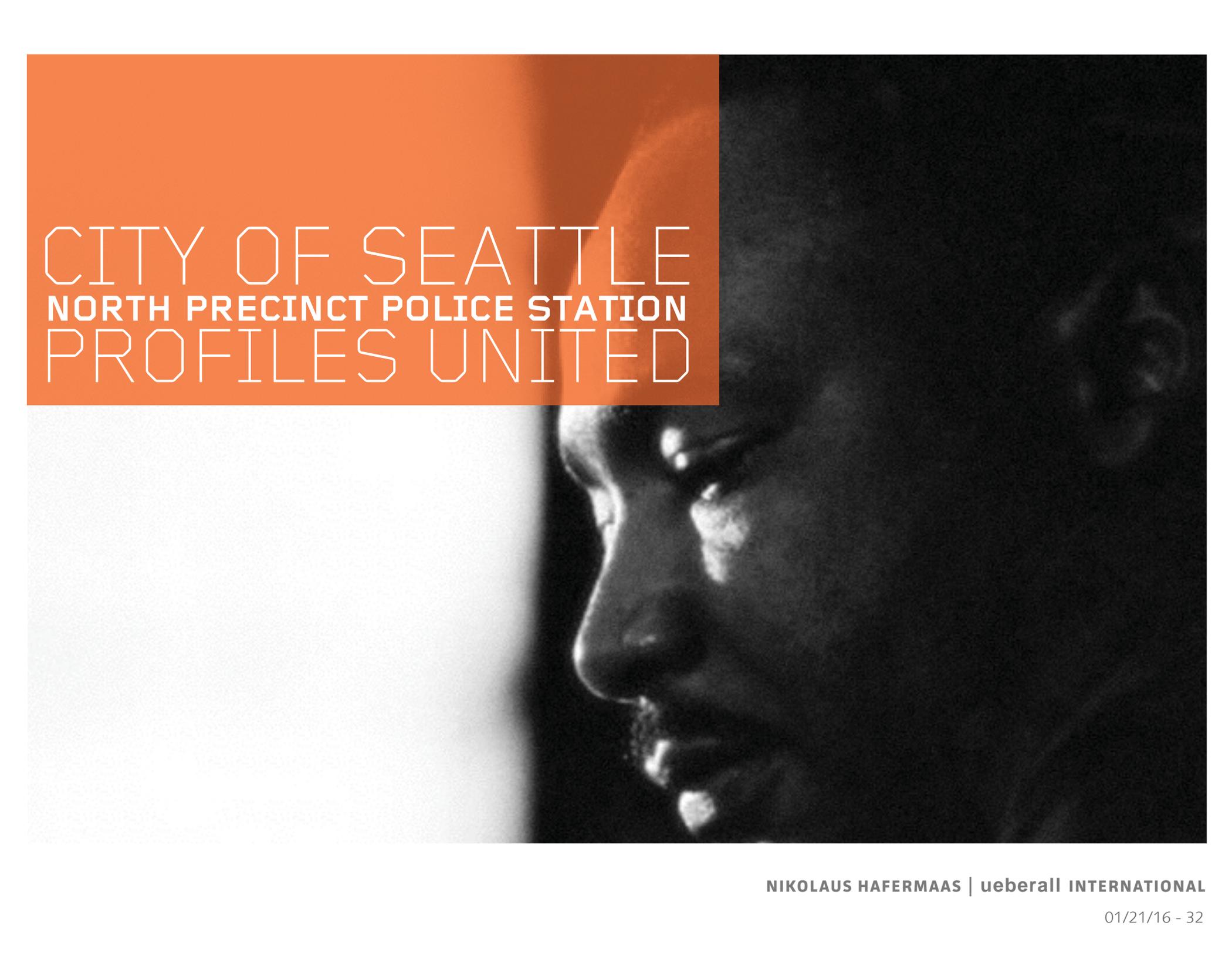
"To the subject of sustainability, Commissioners asked that the use of grey water be maximized.

Storm water management can be a difficult item within the Living Building Challenge program. Consider additional building systems (ie: HVAC) and/or deep-well injection as means for achieving the storm water petal."

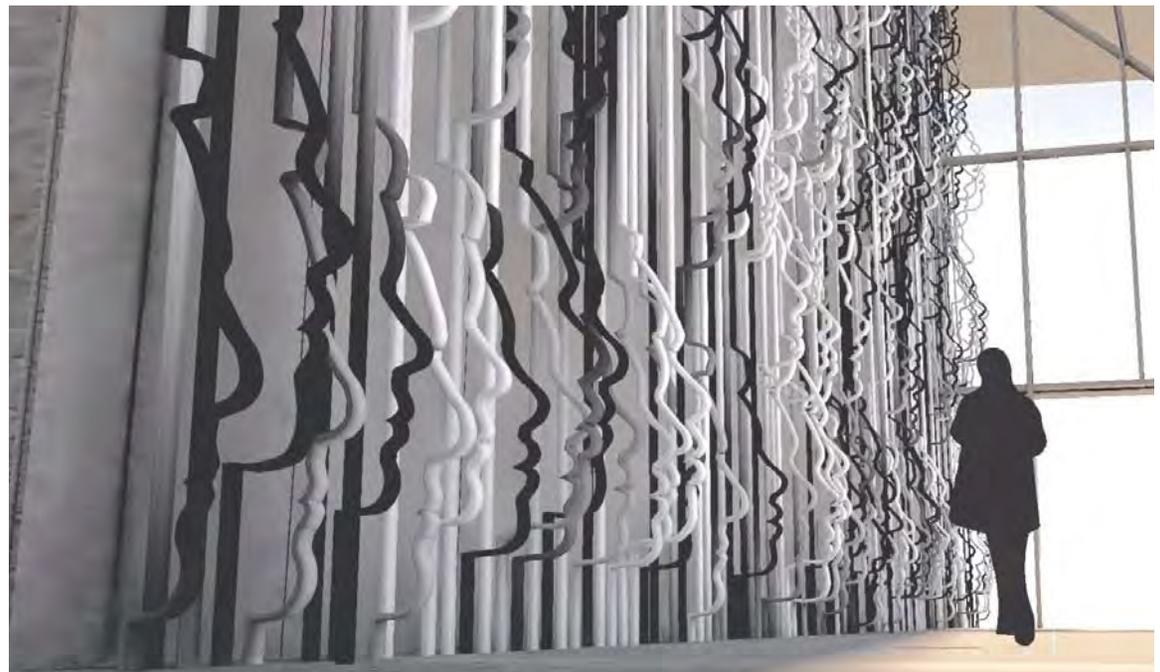
EXTEND THE REUSE OF WATER

DESIGN PROGRESS

ART INTEGRATION



CITY OF SEATTLE
NORTH PRECINCT POLICE STATION
PROFILES UNITED



ART INTEGRATION: EXPLORED LOCATION A - SEPTEMBER 4



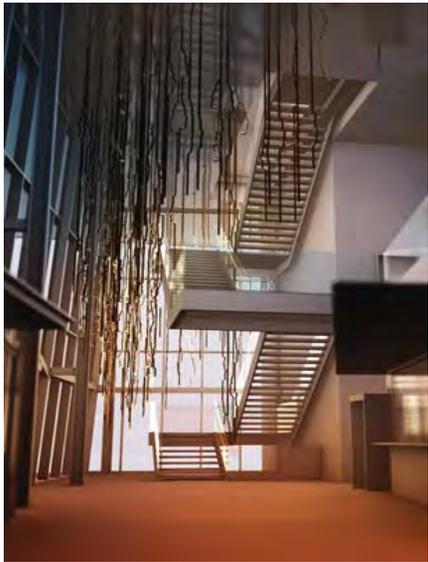
ART INTEGRATION: EXPLORED LOCATION B - SEPTEMBER 30



ART INTEGRATION: EXPLORED LOCATION C - NOVEMBER 13

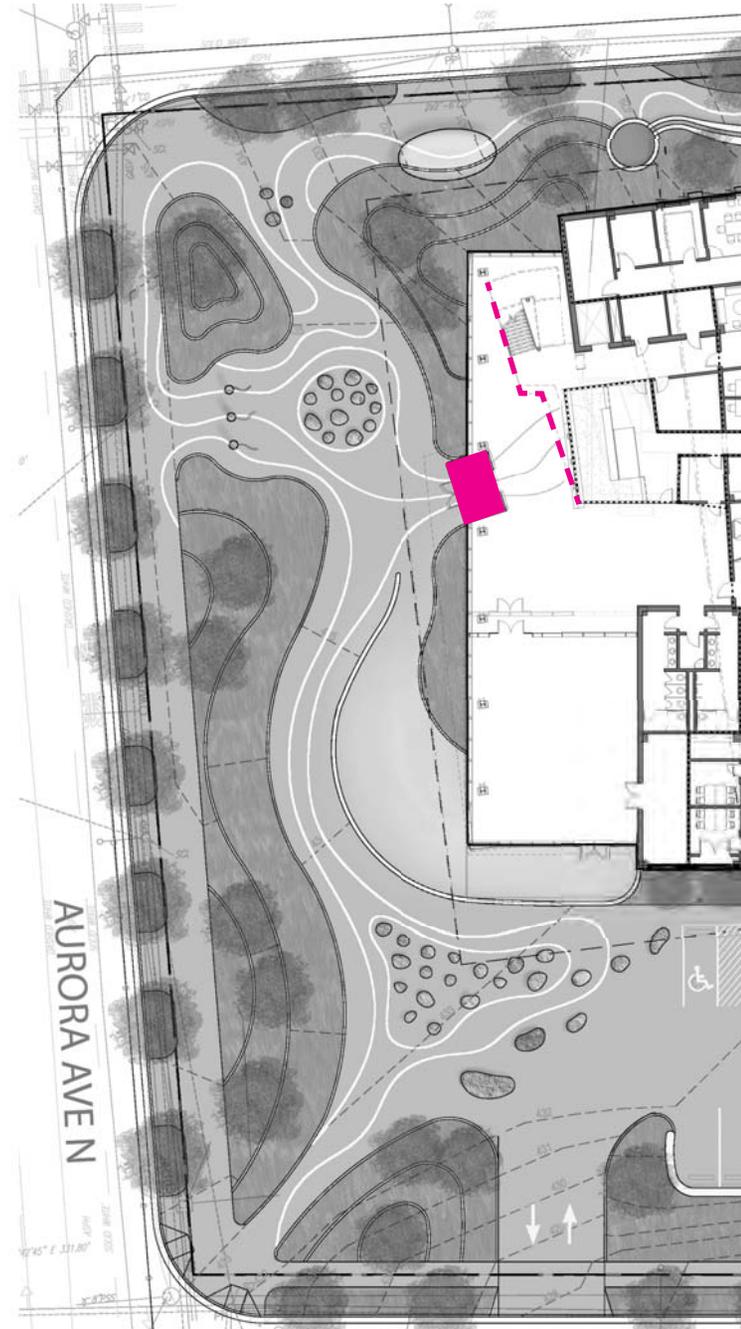


ART INTEGRATION: COLLABORATION SESSION - DECEMBER 14

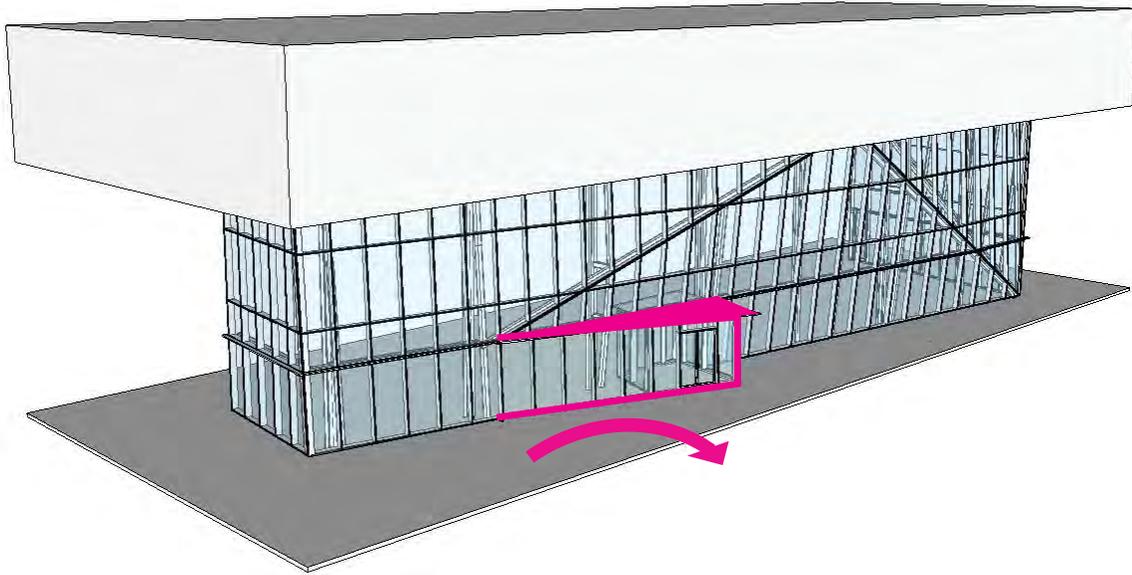


ART INTEGRATION: CURRENT LOCATION - JANUARY 12

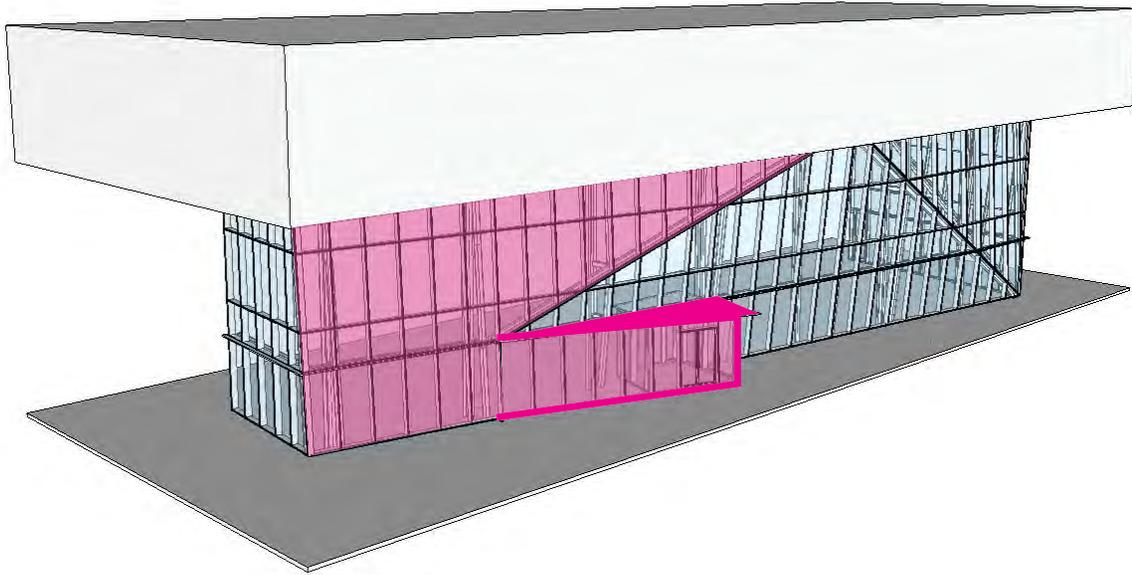
PUBLIC ENTRY EXPLORATION: VESTIBULE DESIGN



VESTIBULE: SCHEMATIC DESIGN SCHEME

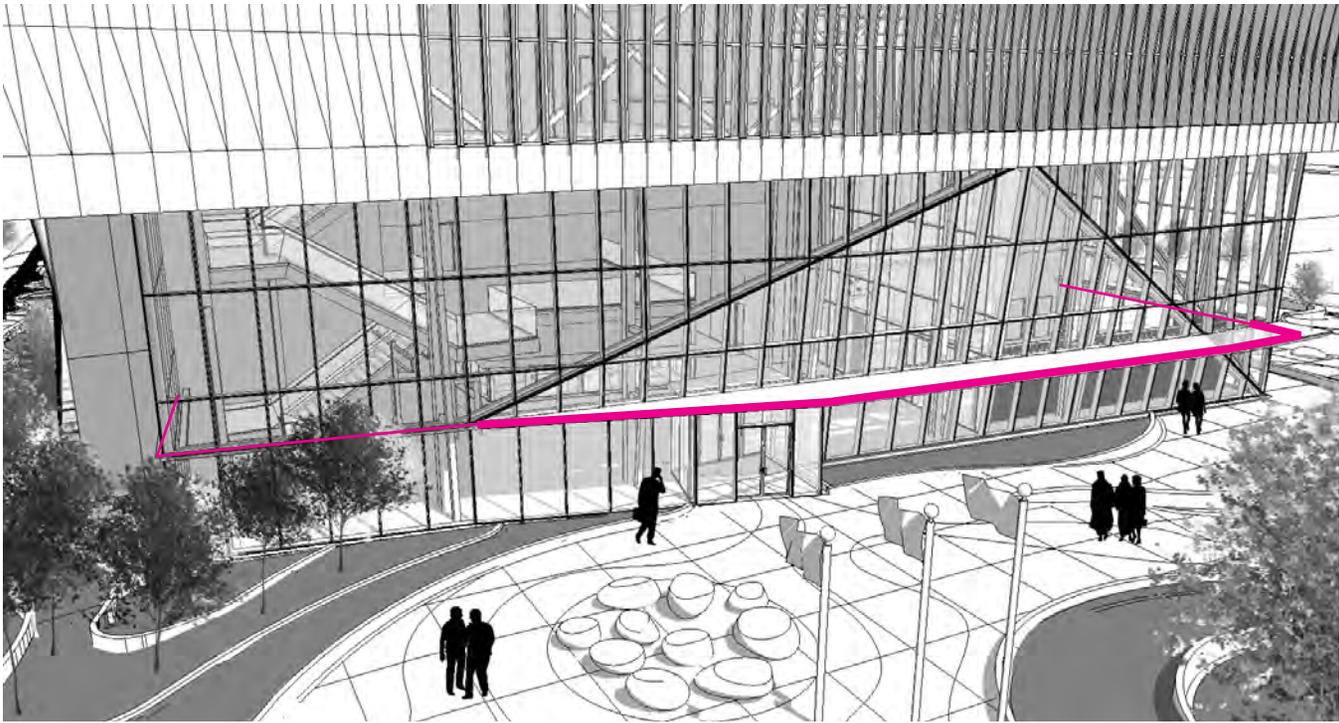


VESTIBULE UPDATE: DESIGN DEVELOPMENT SCHEME

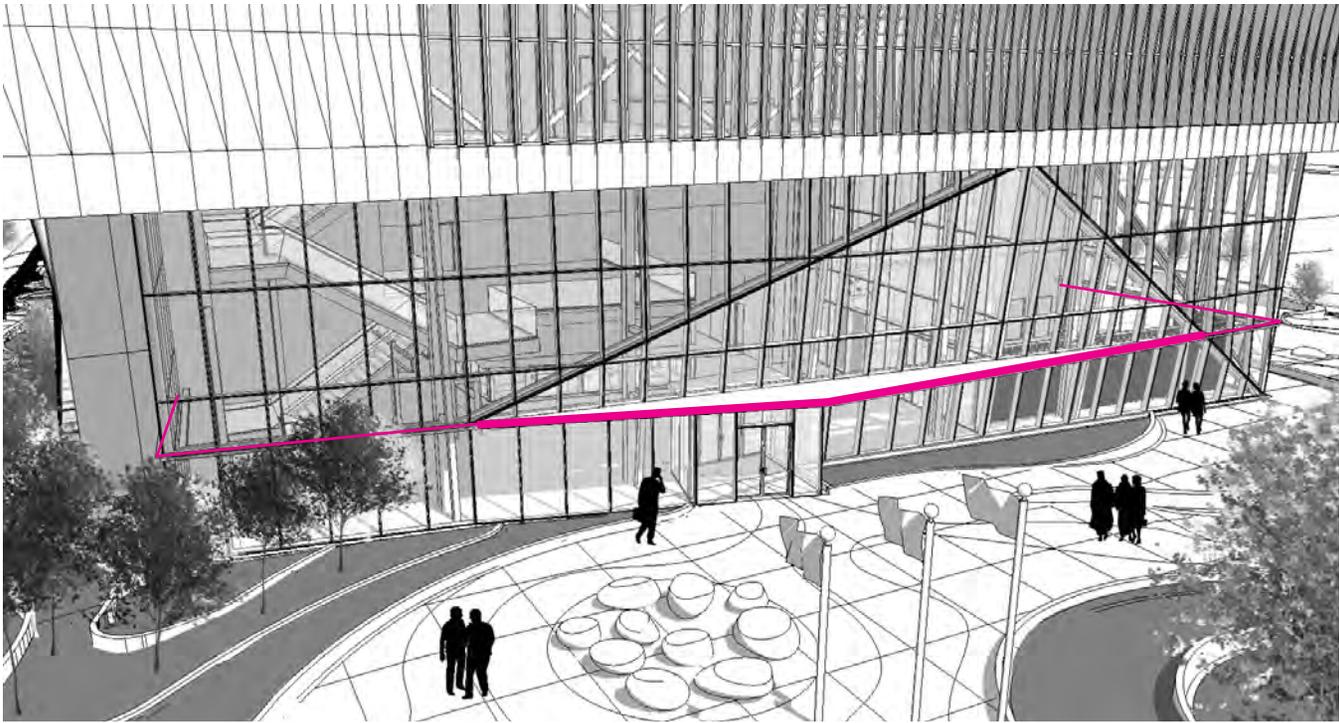


VESTIBULE UPDATE: DESIGN DEVELOPMENT SCHEME

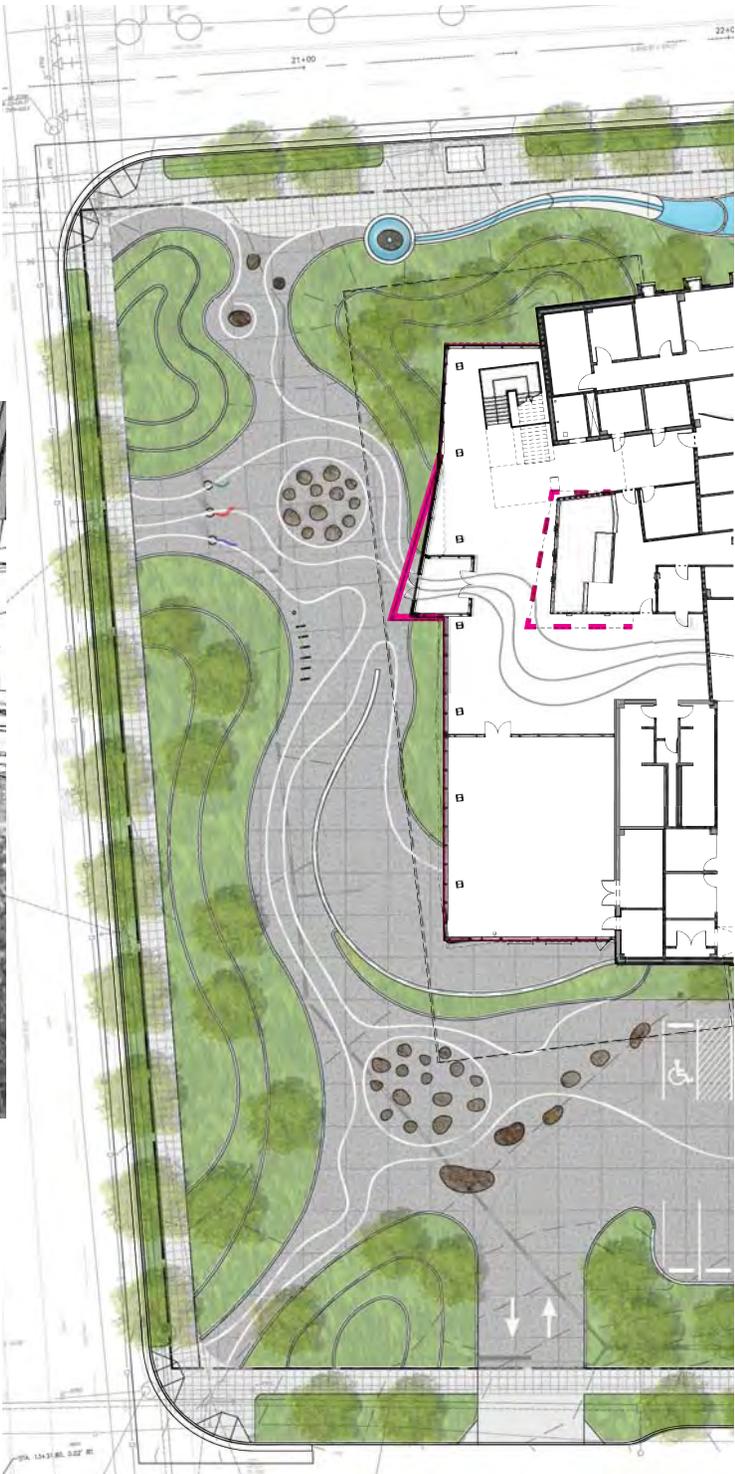
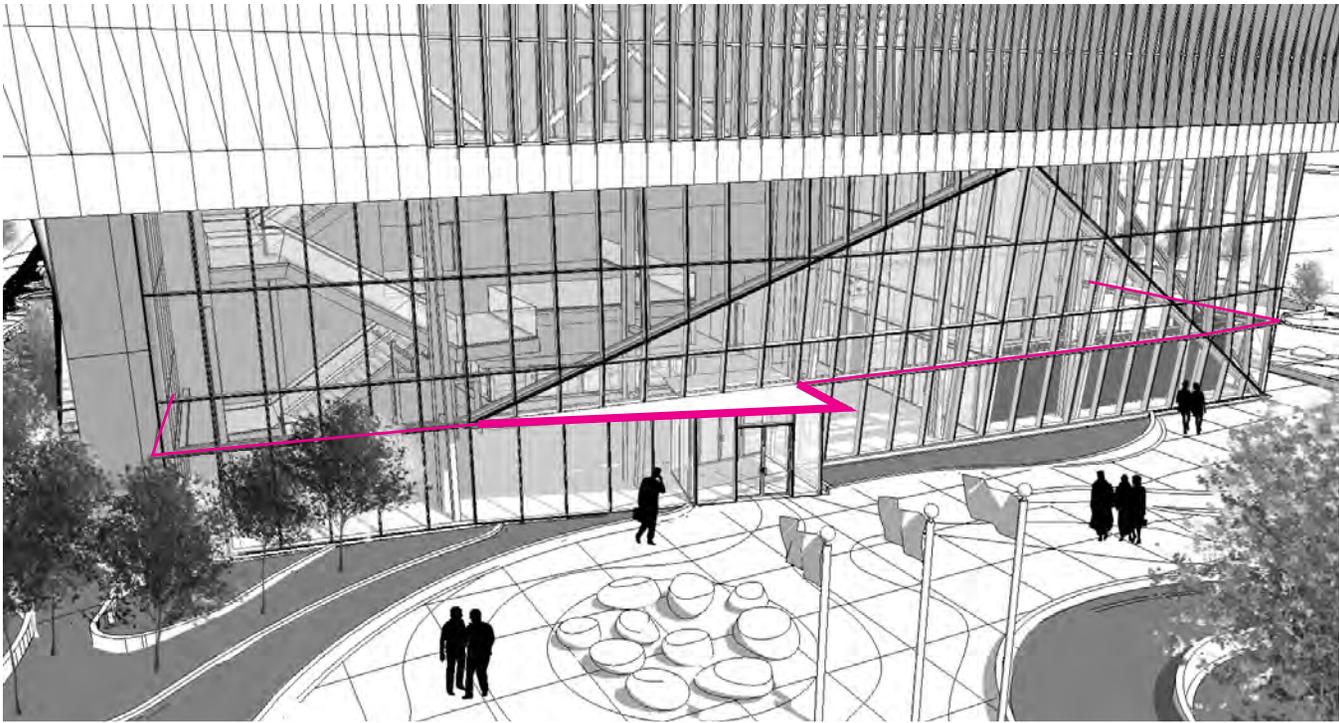
PUBLIC ENTRY EXPLORATION: CANOPY STUDIES



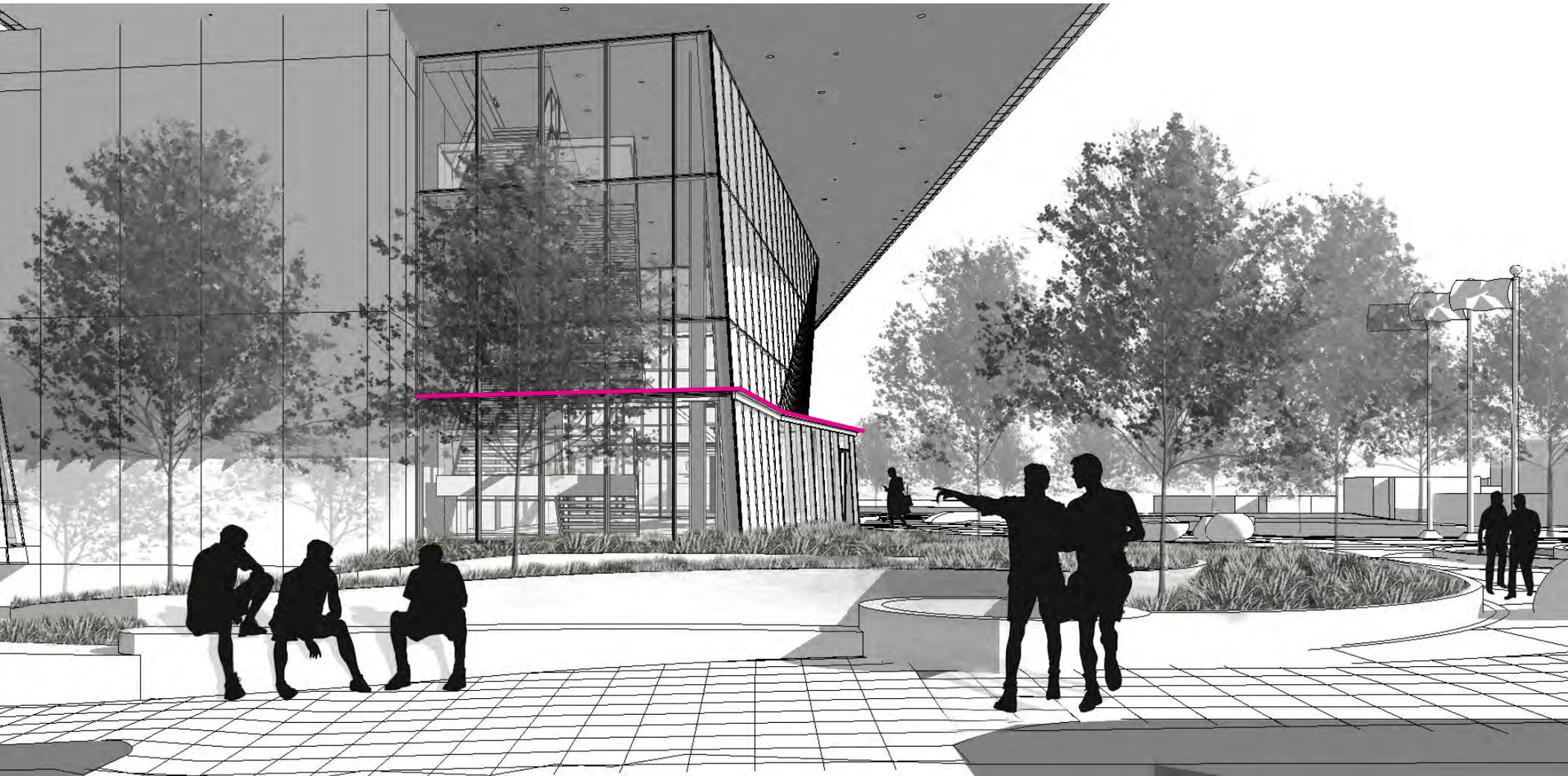
CANOPY STUDIES: OPTION 1



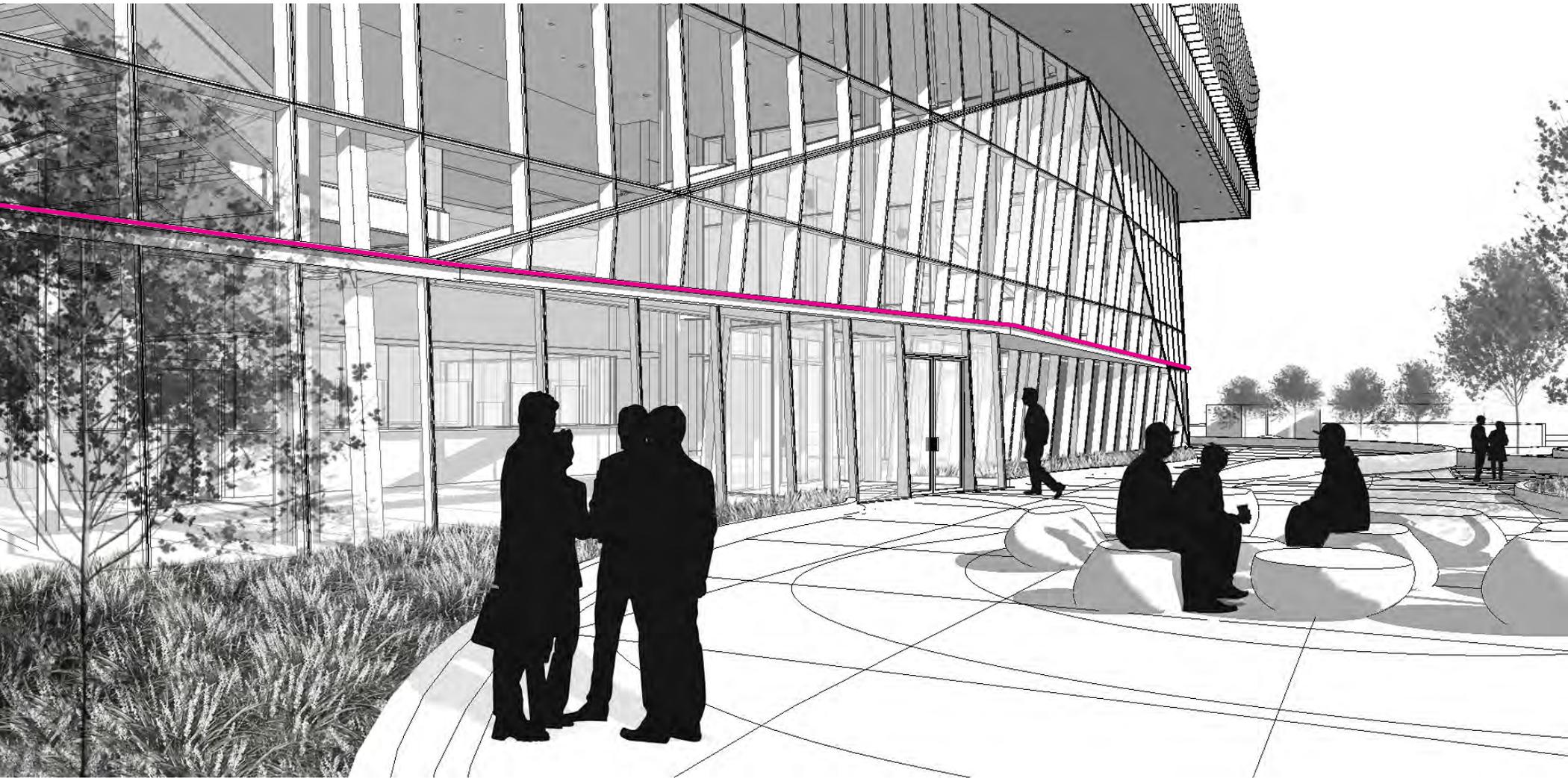
CANOPY STUDIES: OPTION 2



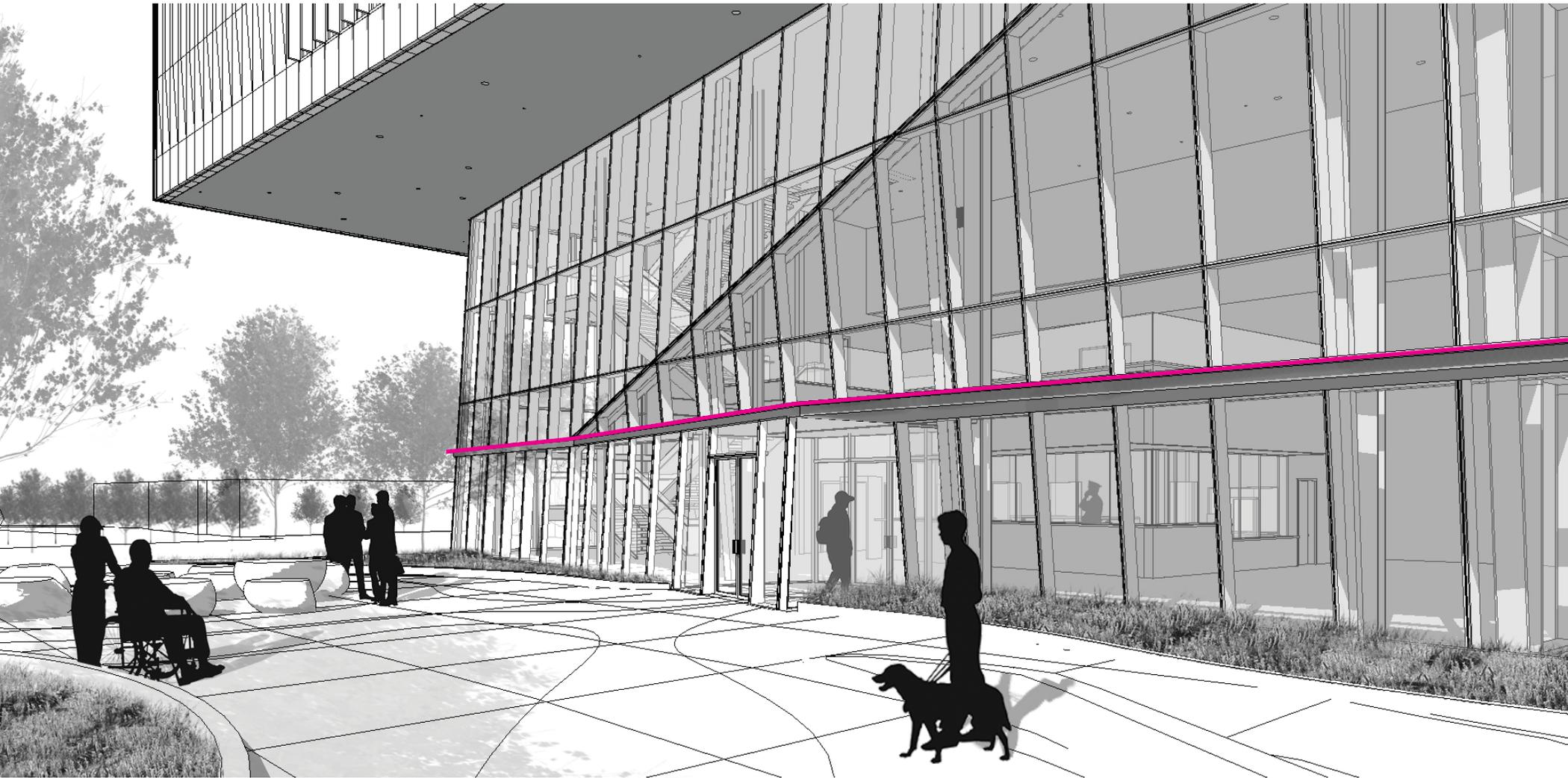
CANOPY STUDIES: OPTION 3 PREFERRED



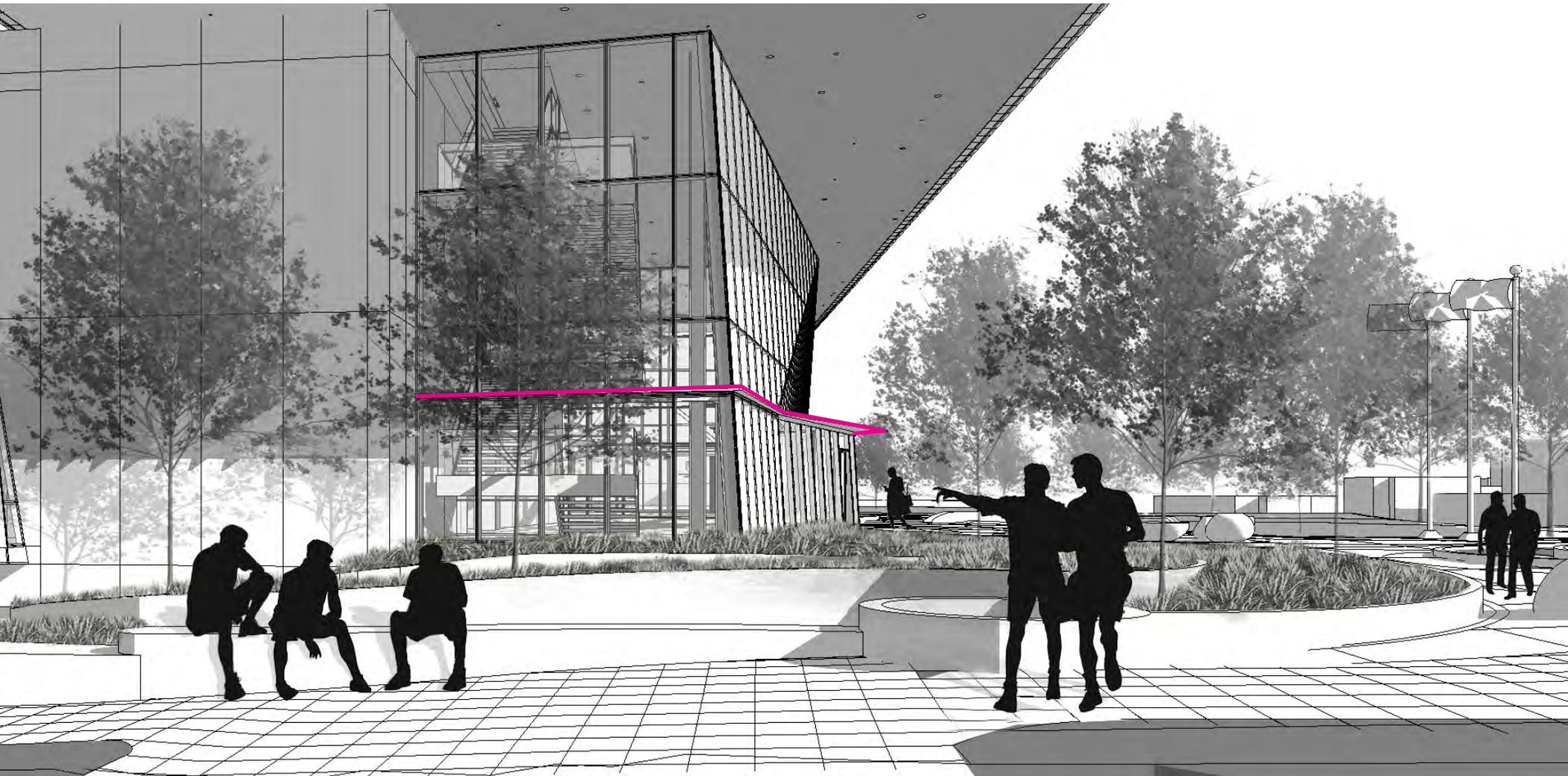
CANOPY OPTION 2: FROM BUS STOP



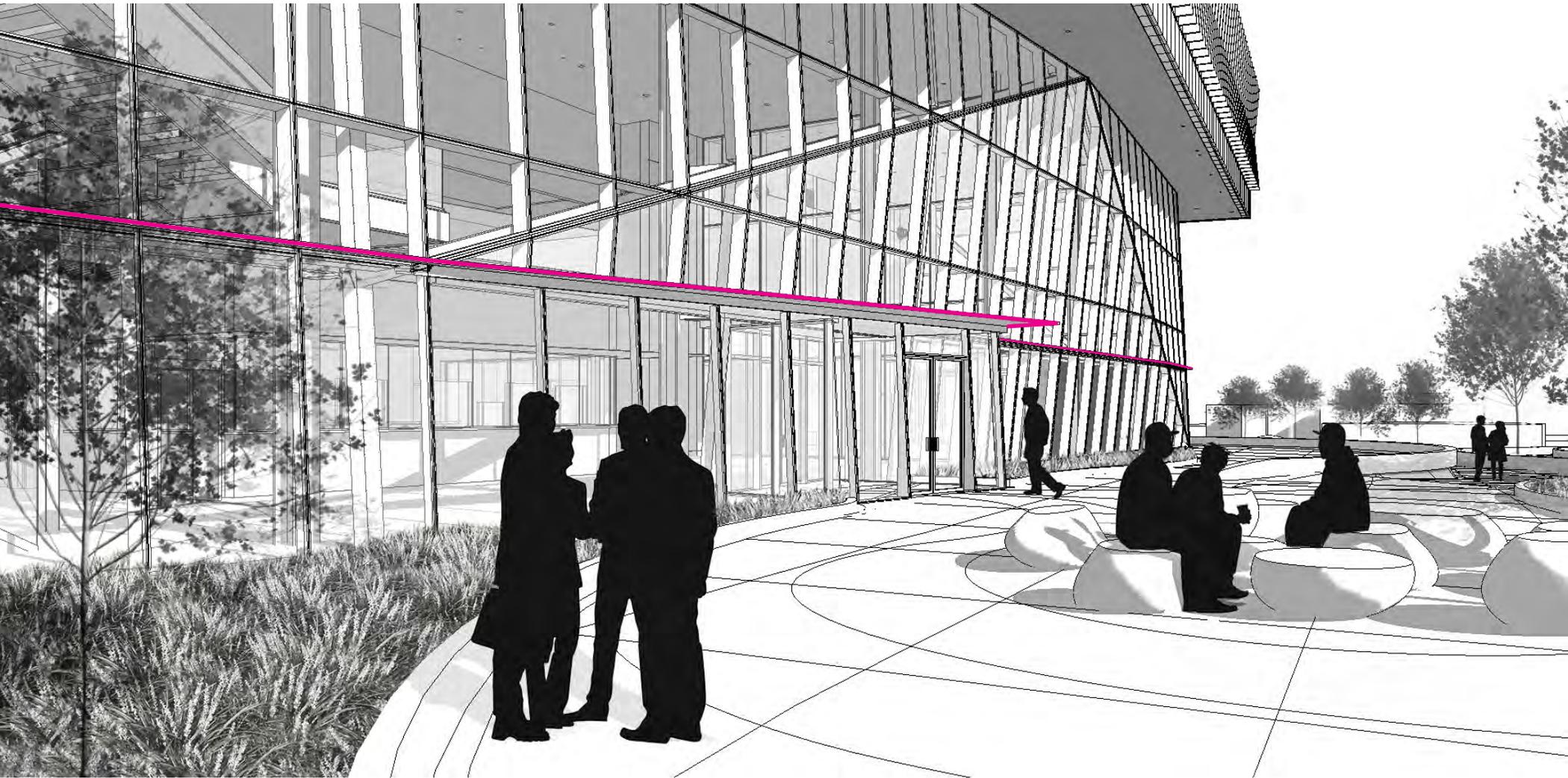
CANOPY OPTION 2: NORTH APPROACH



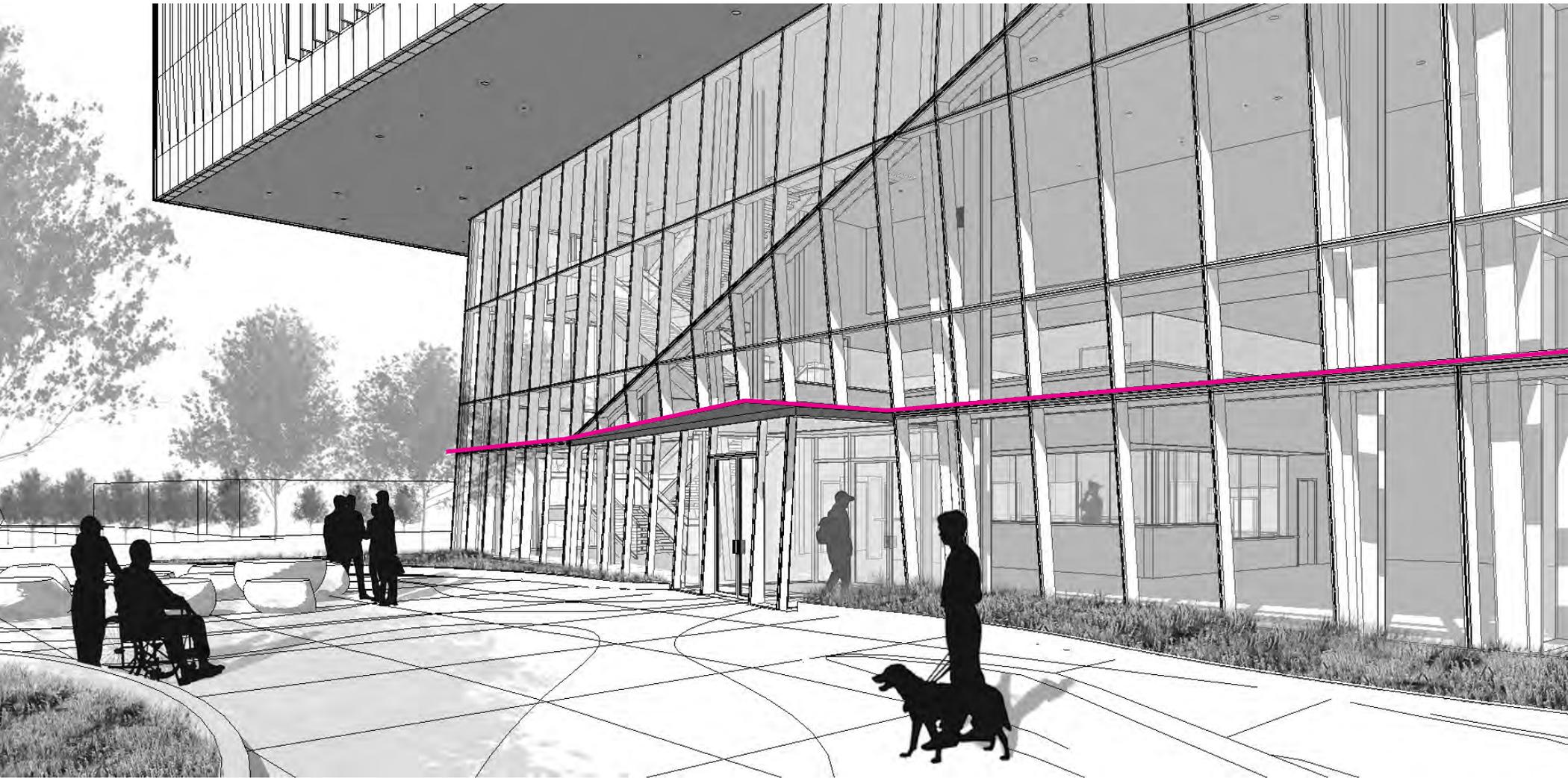
CANOPY OPTION 2: SOUTH APPROACH



CANOPY OPTION 3: FROM BUS STOP

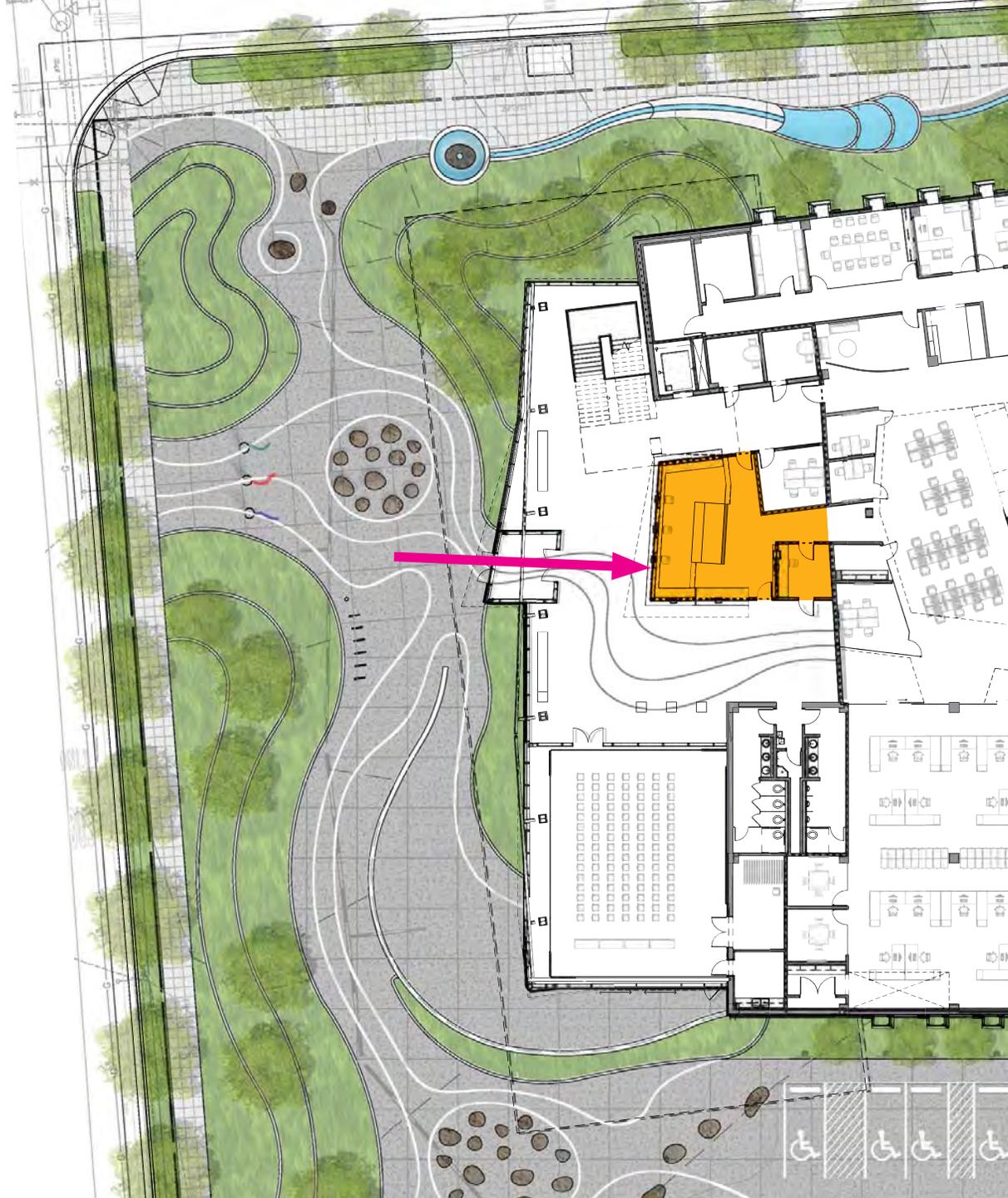


CANOPY OPTION 3: NORTH APPROACH



CANOPY OPTION 3: SOUTH APPROACH

PUBLIC ENTRY EXPLORATION: LOBBY PROGRAMMING



LOBBY PROGRAMMING: DIRECT LINE TO DUTY OFFICER



LOBBY PROGRAMMING: WAITING ZONES



REPORT
TAKING

PUBLIC
CONFERENCE
ROOM

LOBBY PROGRAMMING: MEETING ROOMS

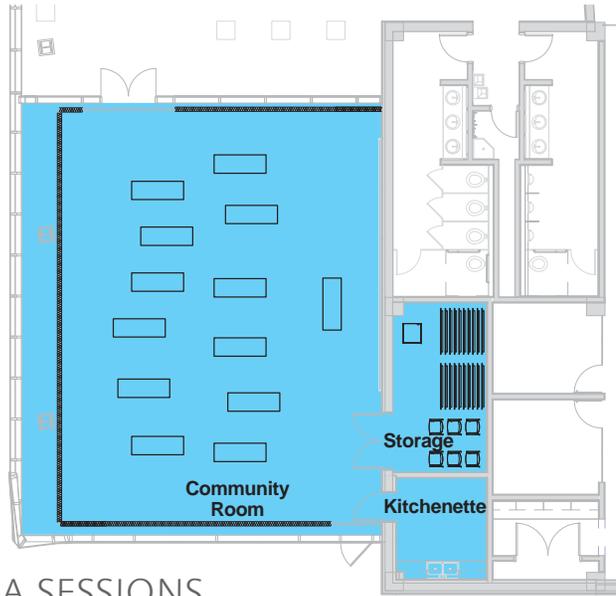


PUBLIC RESTROOMS

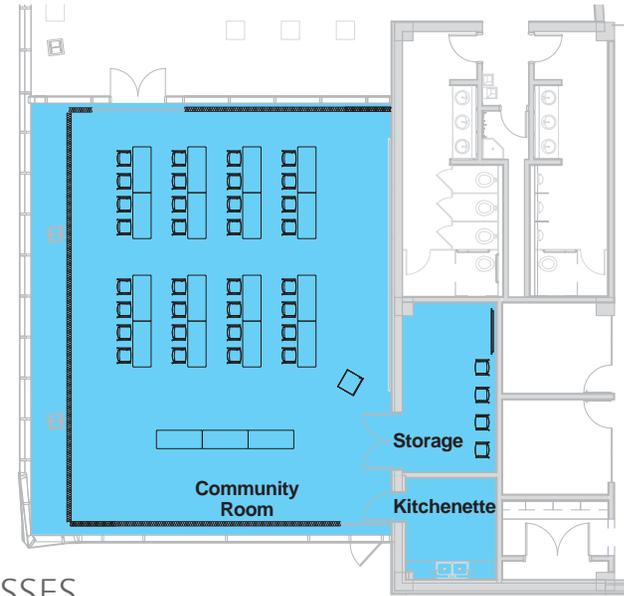
LOBBY PROGRAMMING: PREFUNCTION AND WAITING AREA



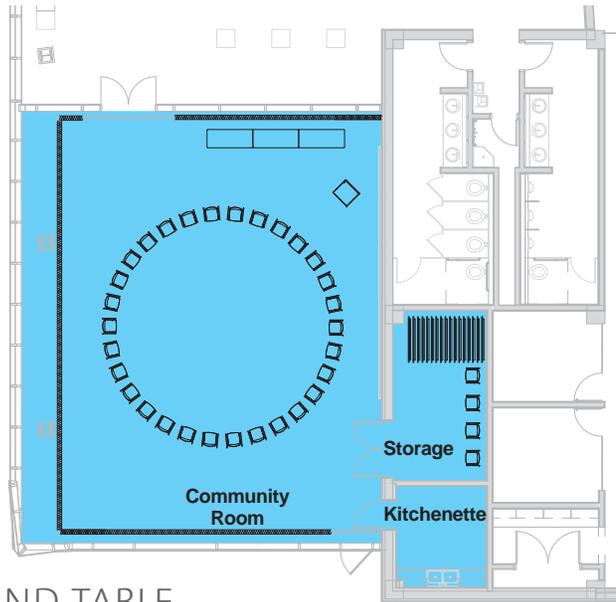
LOBBY PROGRAMMING: COMMUNITY ROOM



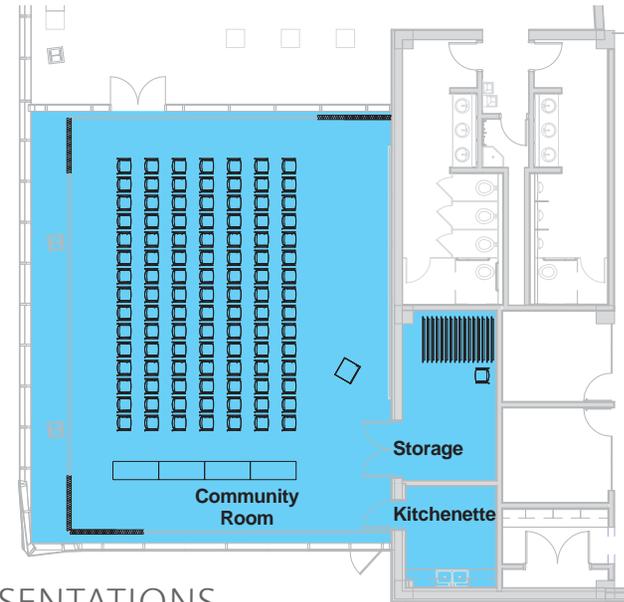
YOGA SESSIONS



CLASSES



ROUND TABLE



PRESENTATIONS

LOBBY PROGRAMMING: COMMUNITY ROOM LAYOUTS



LOBBY PROGRAMMING: PUBLIC AMENITIES



LOBBY PROGRAMMING: PUBLIC AMENITIES



PUBLIC ART

RECLAIMED GLULAM BENCHES

DISPLAY CASES

LOBBY PROGRAMMING: PUBLIC AMENITIES



PUBLIC ART

RECLAIMED GLULAM BENCHES

DISPLAY CASES

BUILDING PERFORMANCE DASHBOARD

LOBBY PROGRAMMING: PUBLIC AMENITIES LEVEL 1

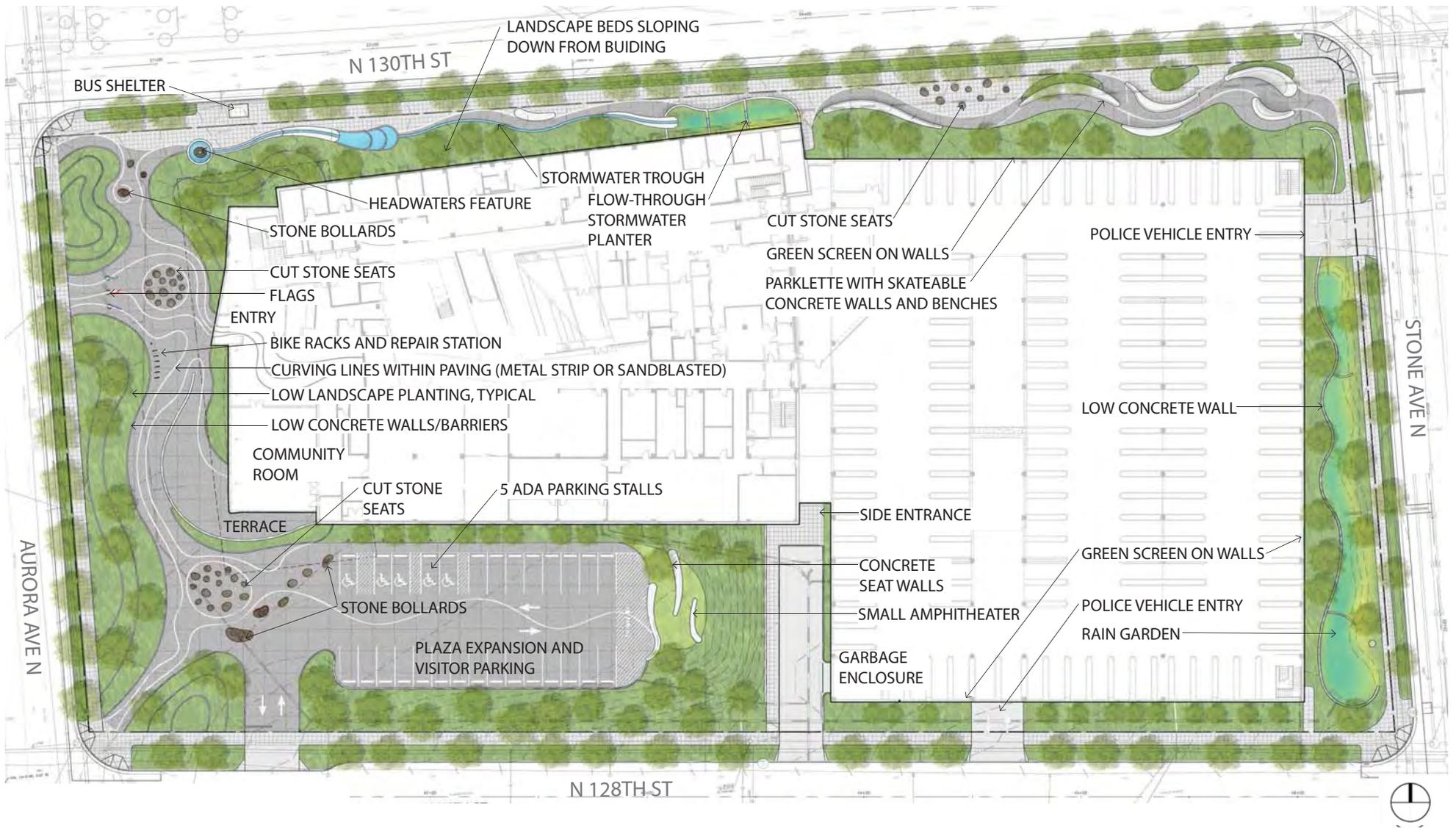


LOBBY PROGRAMMING: PUBLIC AMENITIES LEVEL 2



DESIGN DEVELOPMENT PERSPECTIVE: 130TH & AURORA

LANDSCAPE AND LIGHTING DEVELOPMENT



LANDSCAPE PLAN: DESIGN UPDATE



LANDSCAPE PLAN: SKATE FORMS



LANDSCAPE PLAN: RAINGARDENS



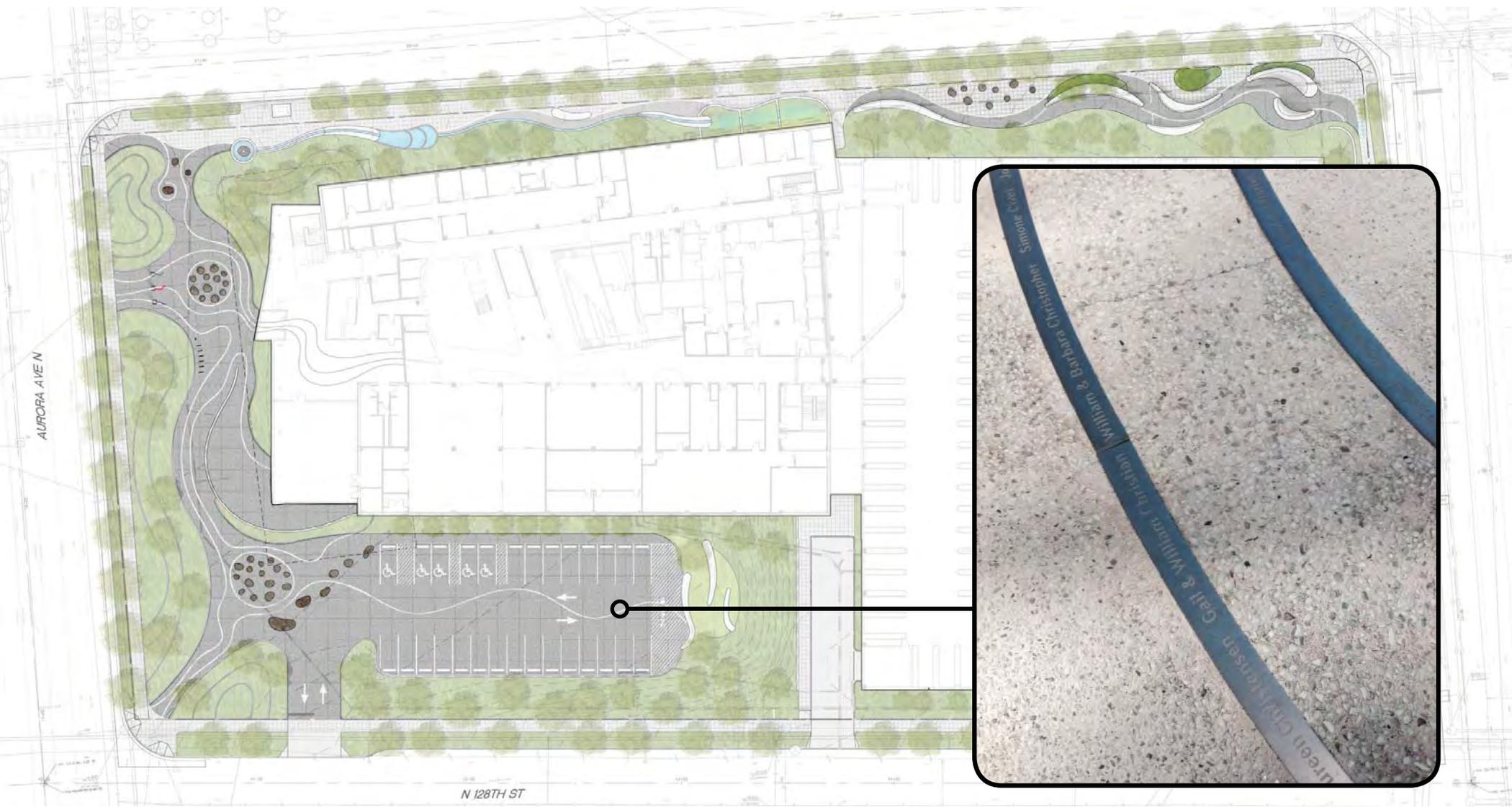
LANDSCAPE PLAN: AMPHITHEATER



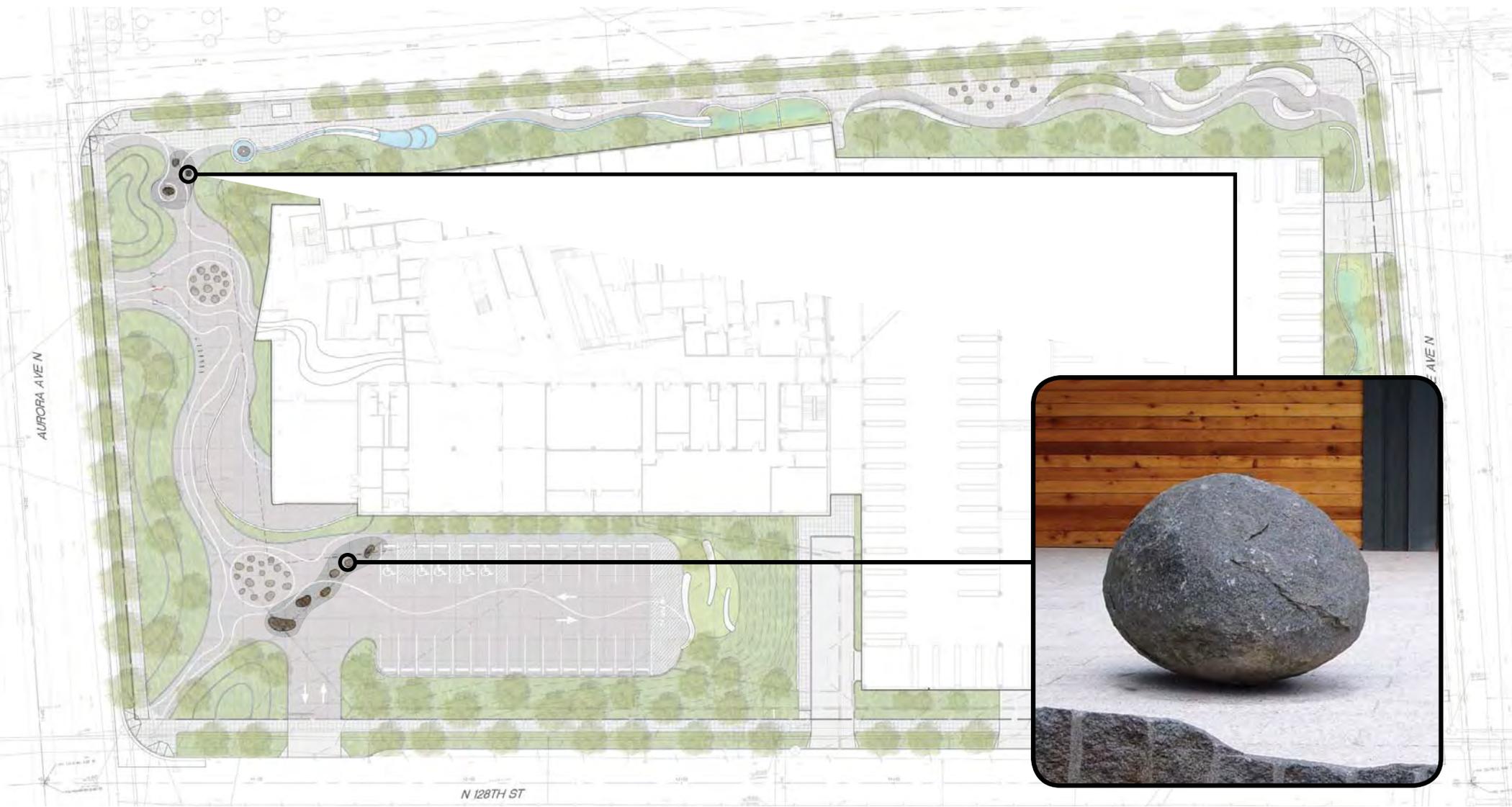
LANDSCAPE PLAN: TERRACED PLANTINGS



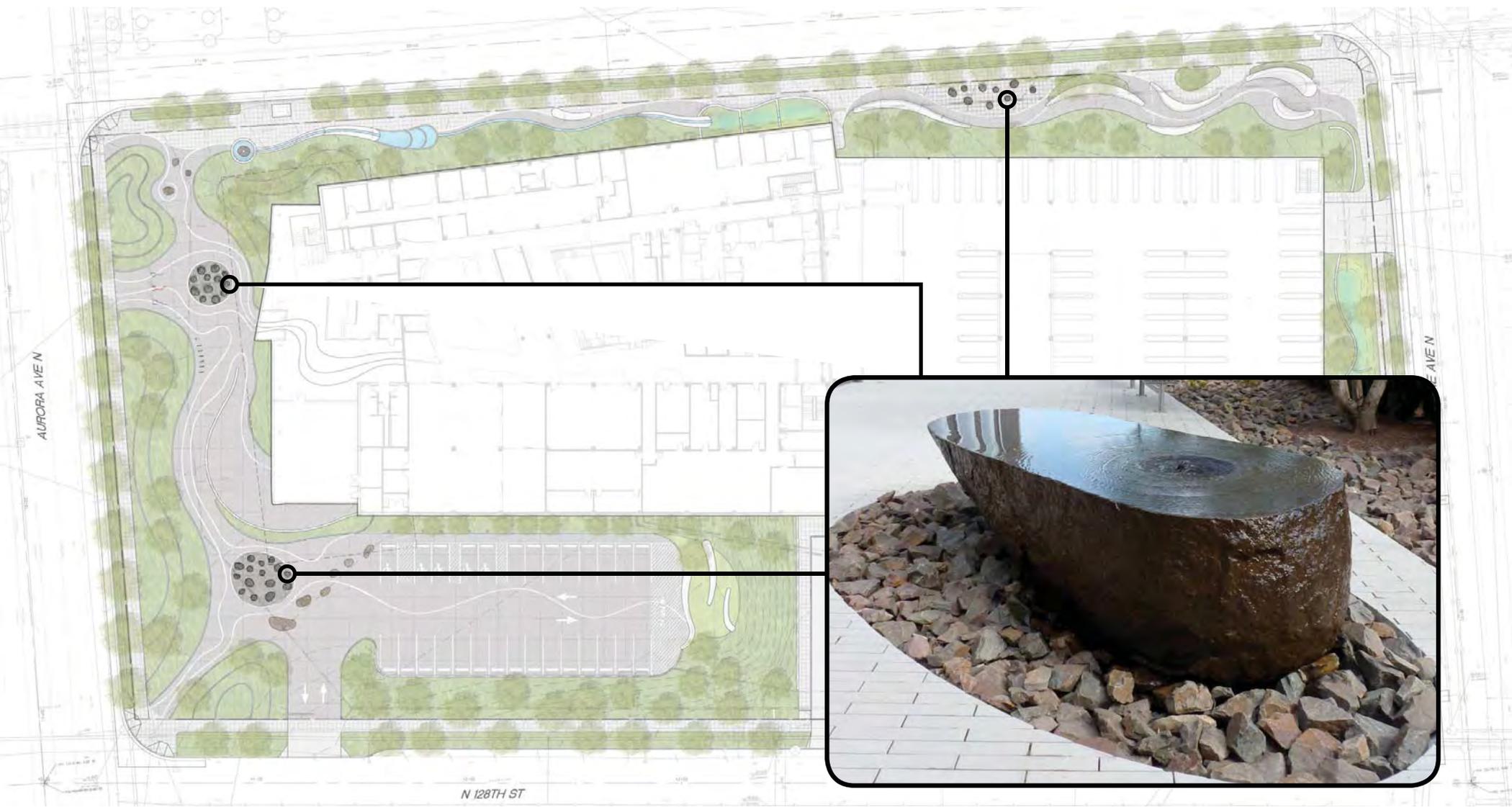
LANDSCAPE PLAN: PAVING STRIPS



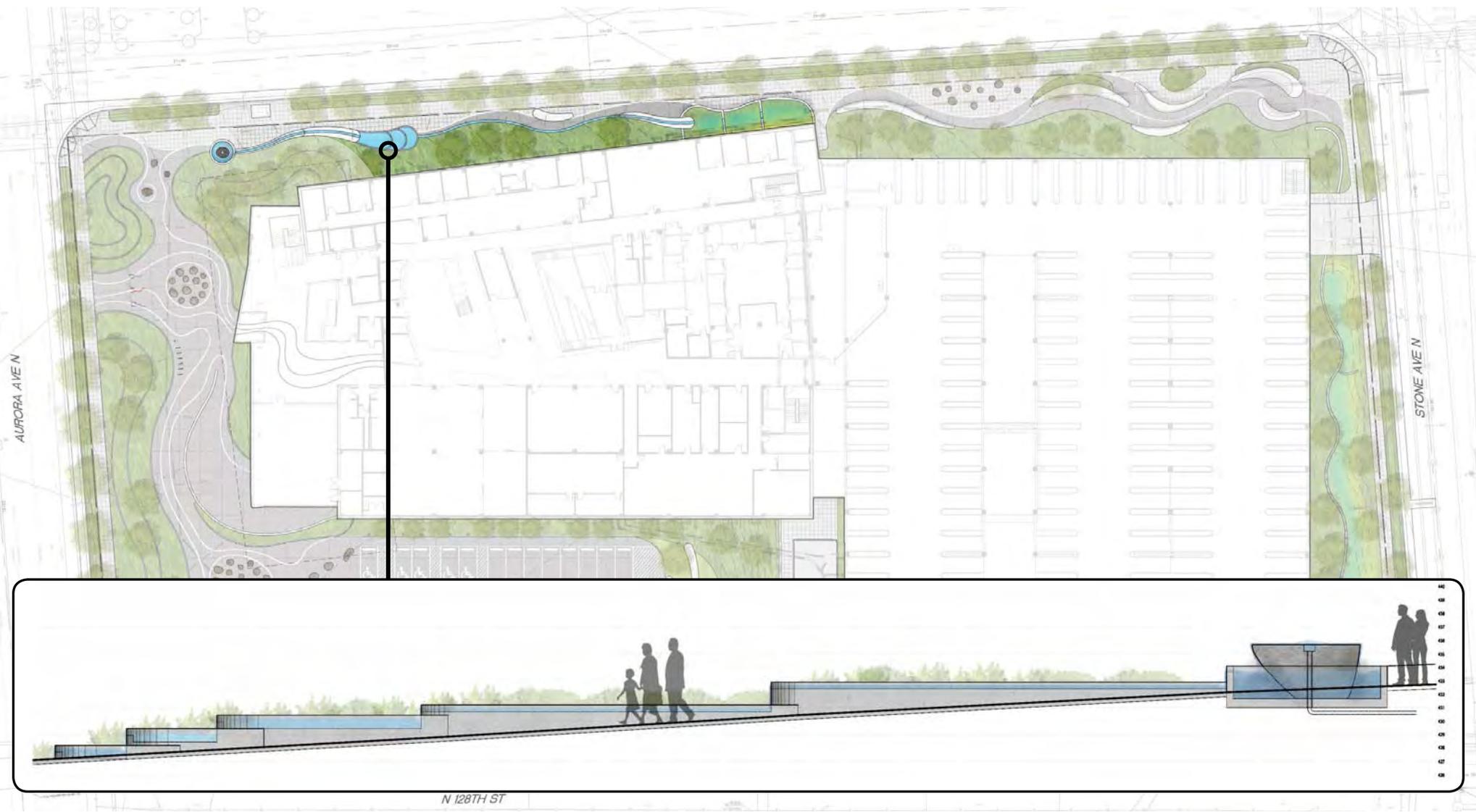
LANDSCAPE PLAN: PAVING STRIPS



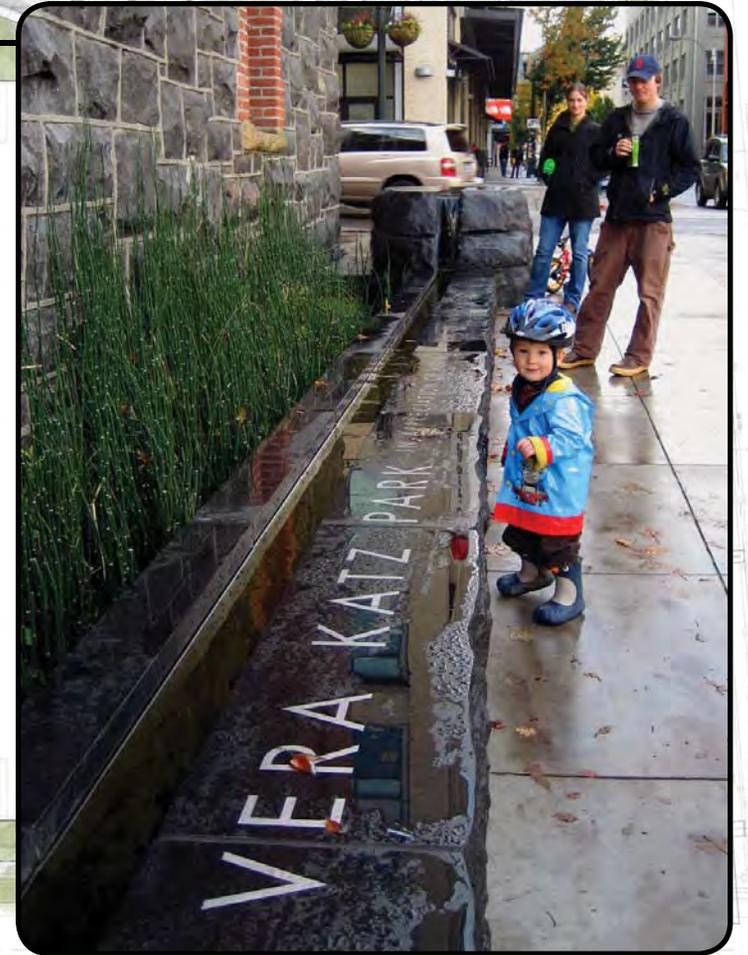
LANDSCAPE PLAN: ROUNDSTONE BOLLARDS



LANDSCAPE PLAN: INTERACTIVE FLAT TOP ROUNDSTONE



LANDSCAPE PLAN: WATER FEATURE SECTION



LANDSCAPE PLAN: RUNNEL



DESIGN DEVELOPMENT PERSPECTIVE: 128TH & AURORA



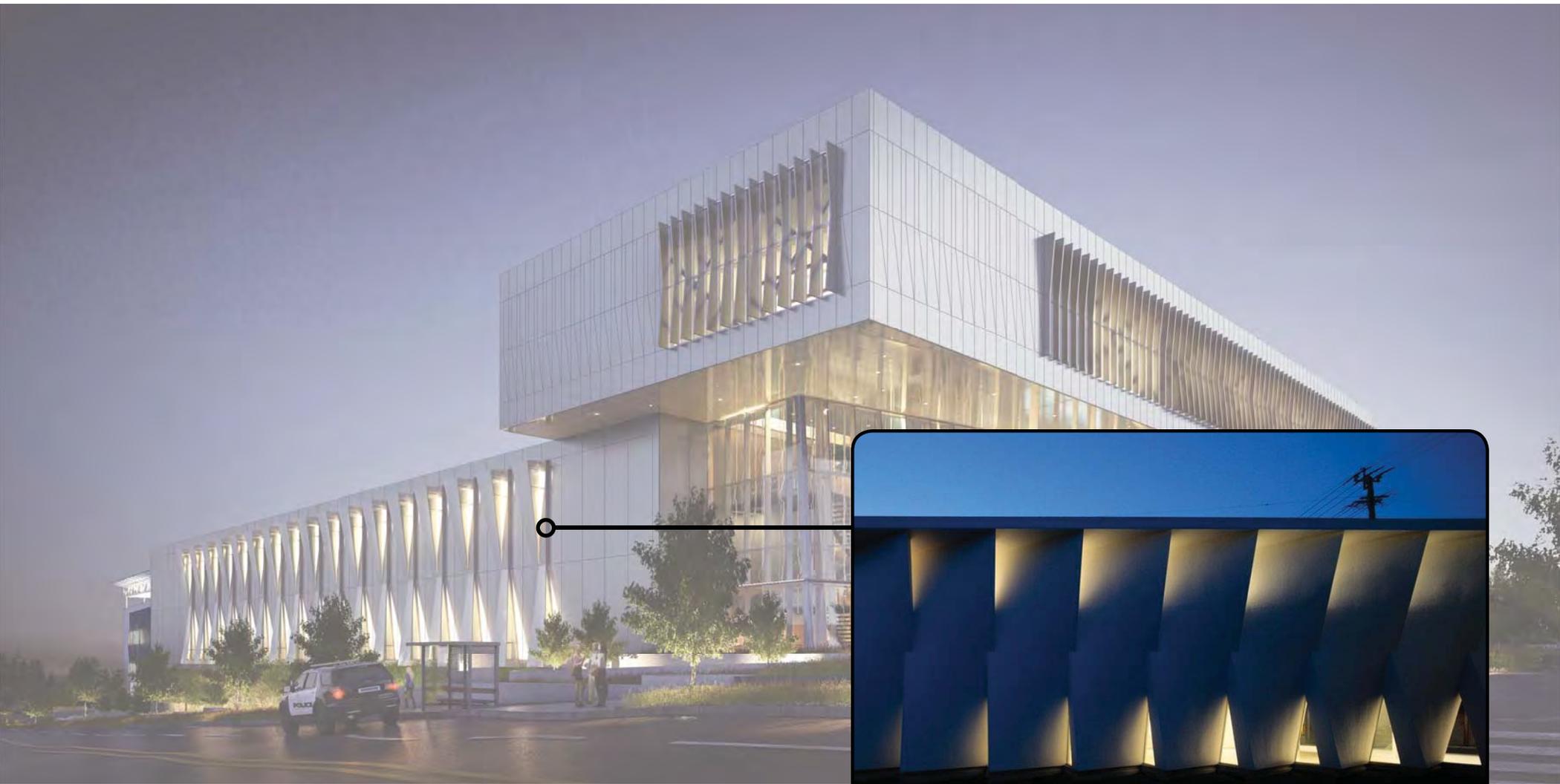
DESIGN DEVELOPMENT PERSPECTIVE: 130TH & AURORA



LIGHTING: TREE UPLIGHT



LIGHTING: GREEN SCREEN



LIGHTING: NORTH AND SOUTH FACADE



LIGHTING: DOWNLIGHT LOBBY ARRAY

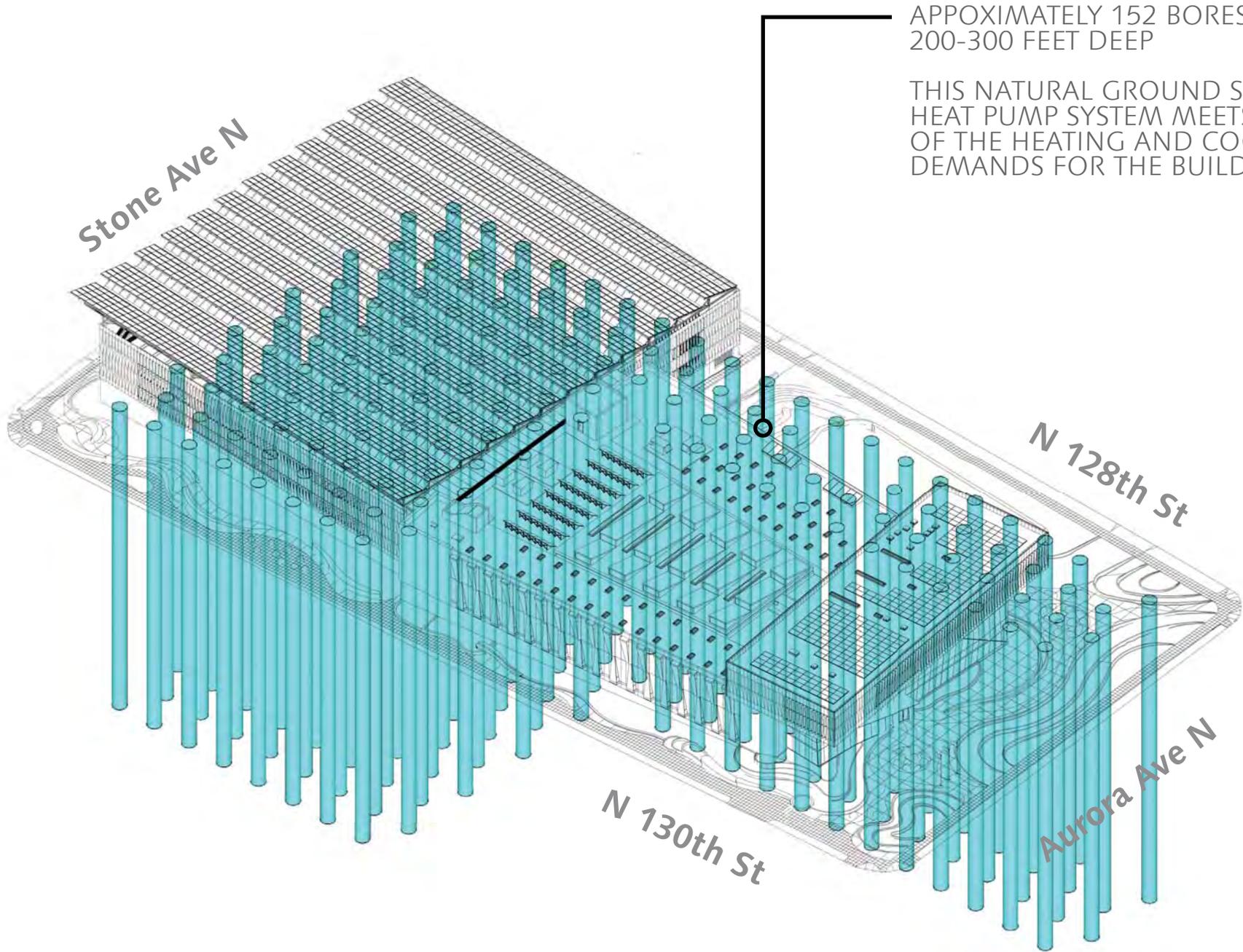
SUSTAINABLE DESIGN ELEMENTS

GREEN GOALS

- BUILD A STAND-OUT GREEN BUILDING AMONG PUBLIC SAFETY FACILITIES
- BUILD FOR CHANGE AND RESILIENCE
- BUILD FOR PASSIVE SURVIVABILITY
- BUILD FOR INNOVATIVE OPERATIONS

HIGH PERFORMANCE TARGETS

- REQUIRED CERTIFICATION: LEED GOLD (60-79 POINTS) + 15% ENERGY & 30% WATER REDUCTION
- TARGET CERTIFICATION: LEED PLATINUM (80+ POINTS)
- NET ZERO READY



APPOXIMATELY 152 BORES,
200-300 FEET DEEP

THIS NATURAL GROUND SOURCE
HEAT PUMP SYSTEM MEETS 100%
OF THE HEATING AND COOLING
DEMANDS FOR THE BUILDING.

Stone Ave N

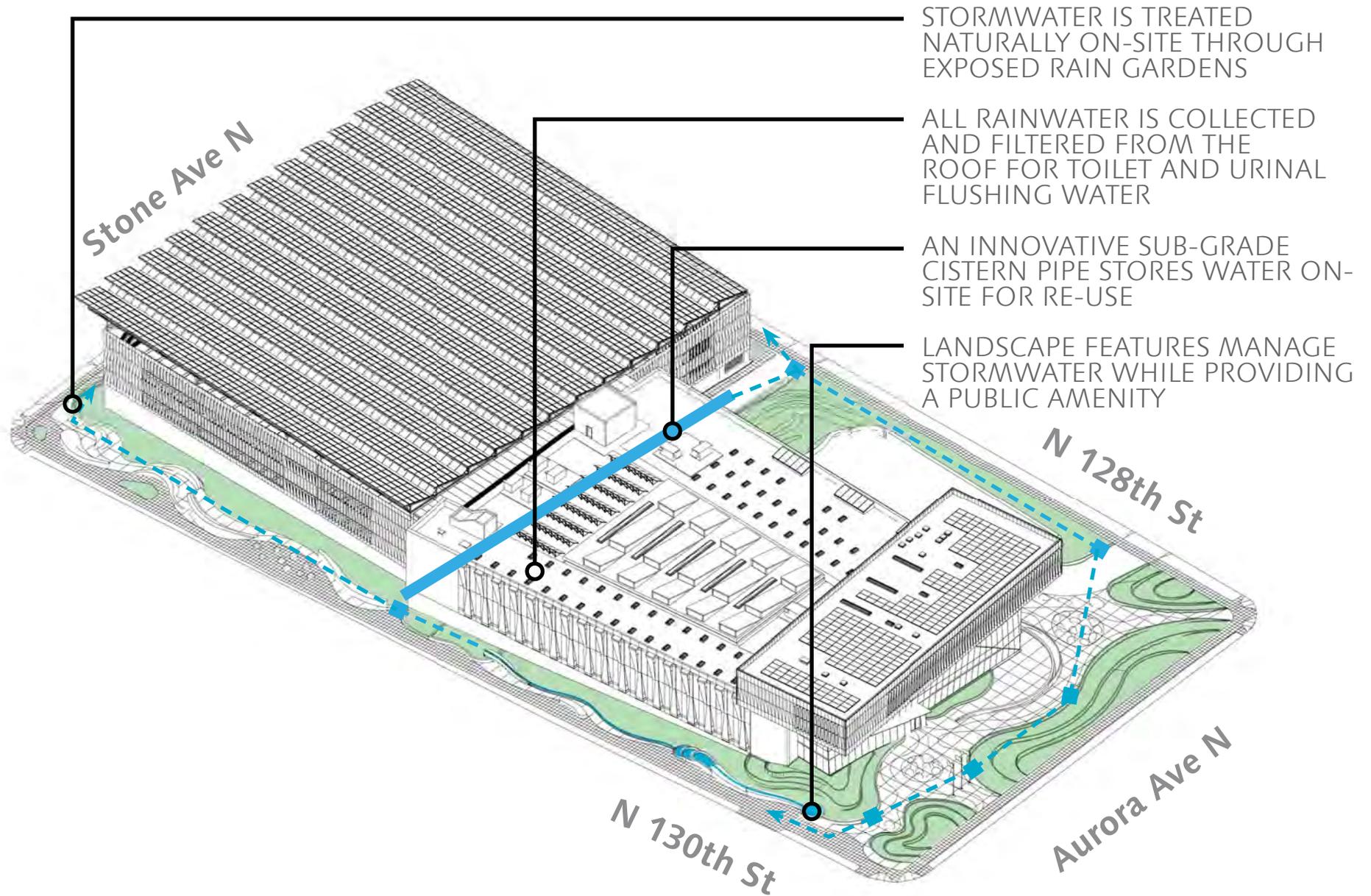
N 128th St

N 130th St

Aurora Ave N

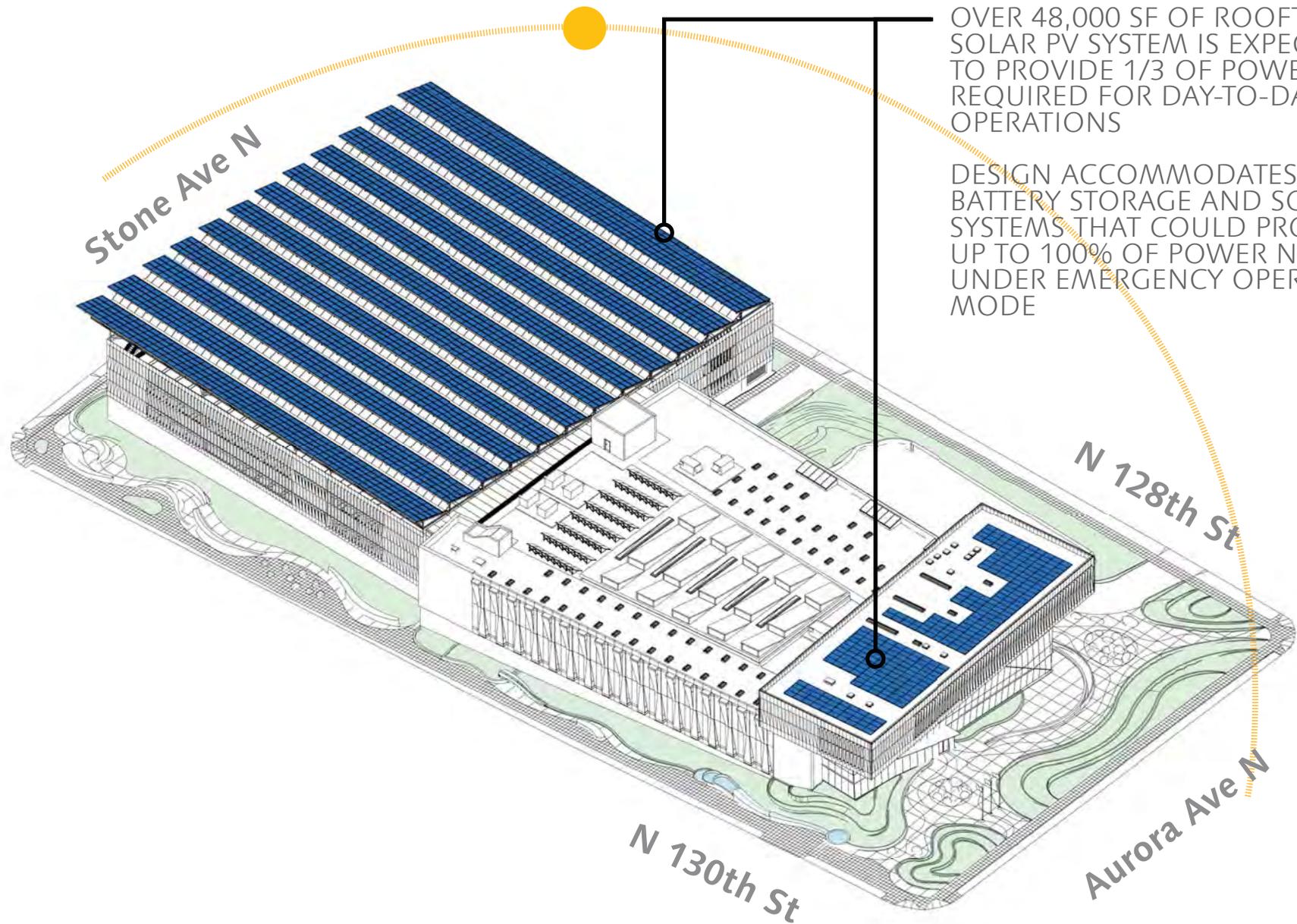
GROUND SOURCE HEAT PUMP SYSTEM





STORMWATER MANAGEMENT





OVER 48,000 SF OF ROOFTOP SOLAR PV SYSTEM IS EXPECTED TO PROVIDE 1/3 OF POWER REQUIRED FOR DAY-TO-DAY OPERATIONS

DESIGN ACCOMMODATES FUTURE BATTERY STORAGE AND SOLAR PV SYSTEMS THAT COULD PROVIDE UP TO 100% OF POWER NEEDED UNDER EMERGENCY OPERATIONS MODE

Stone Ave N

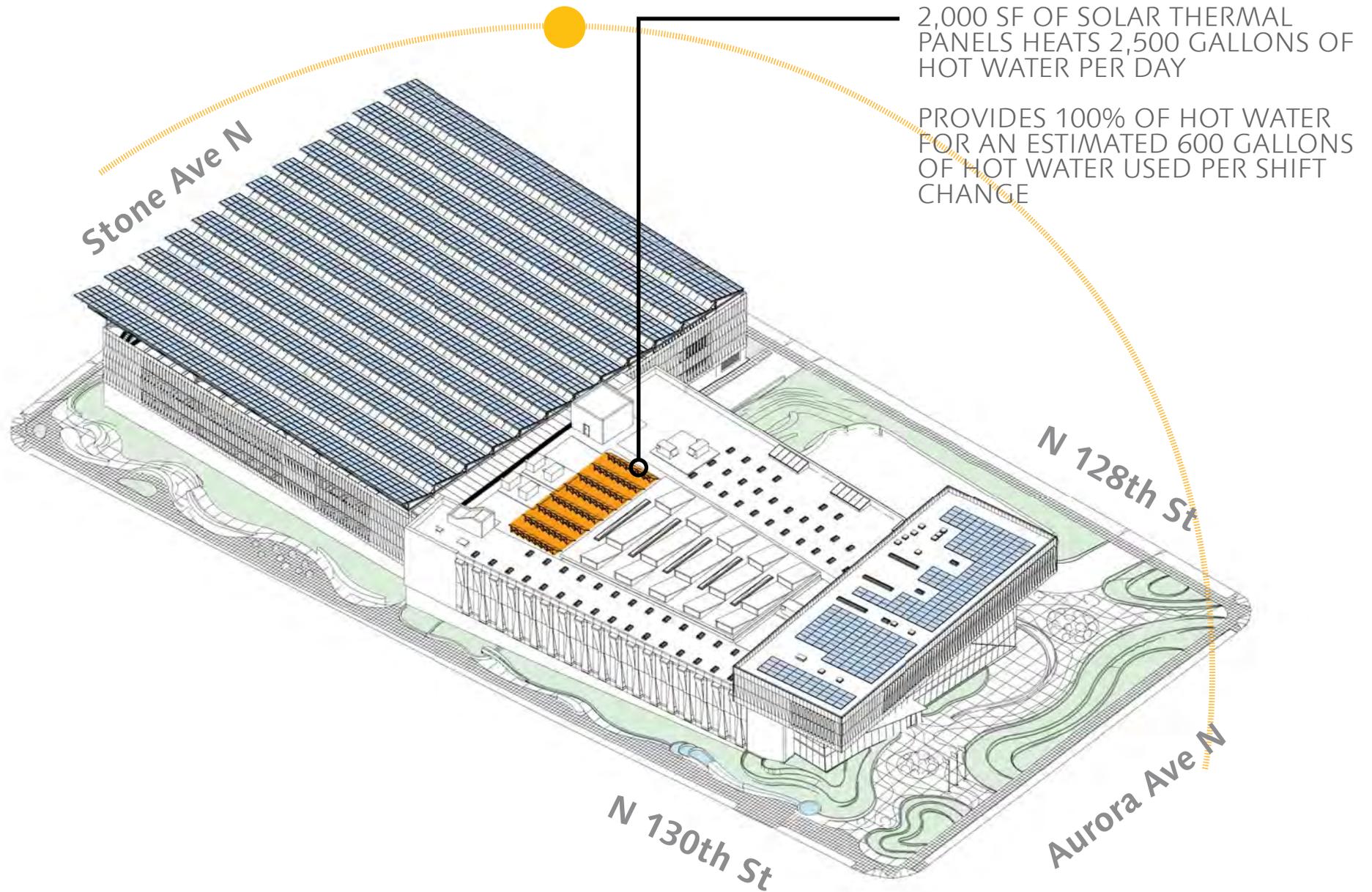
N 128th St

N 130th St

Aurora Ave N

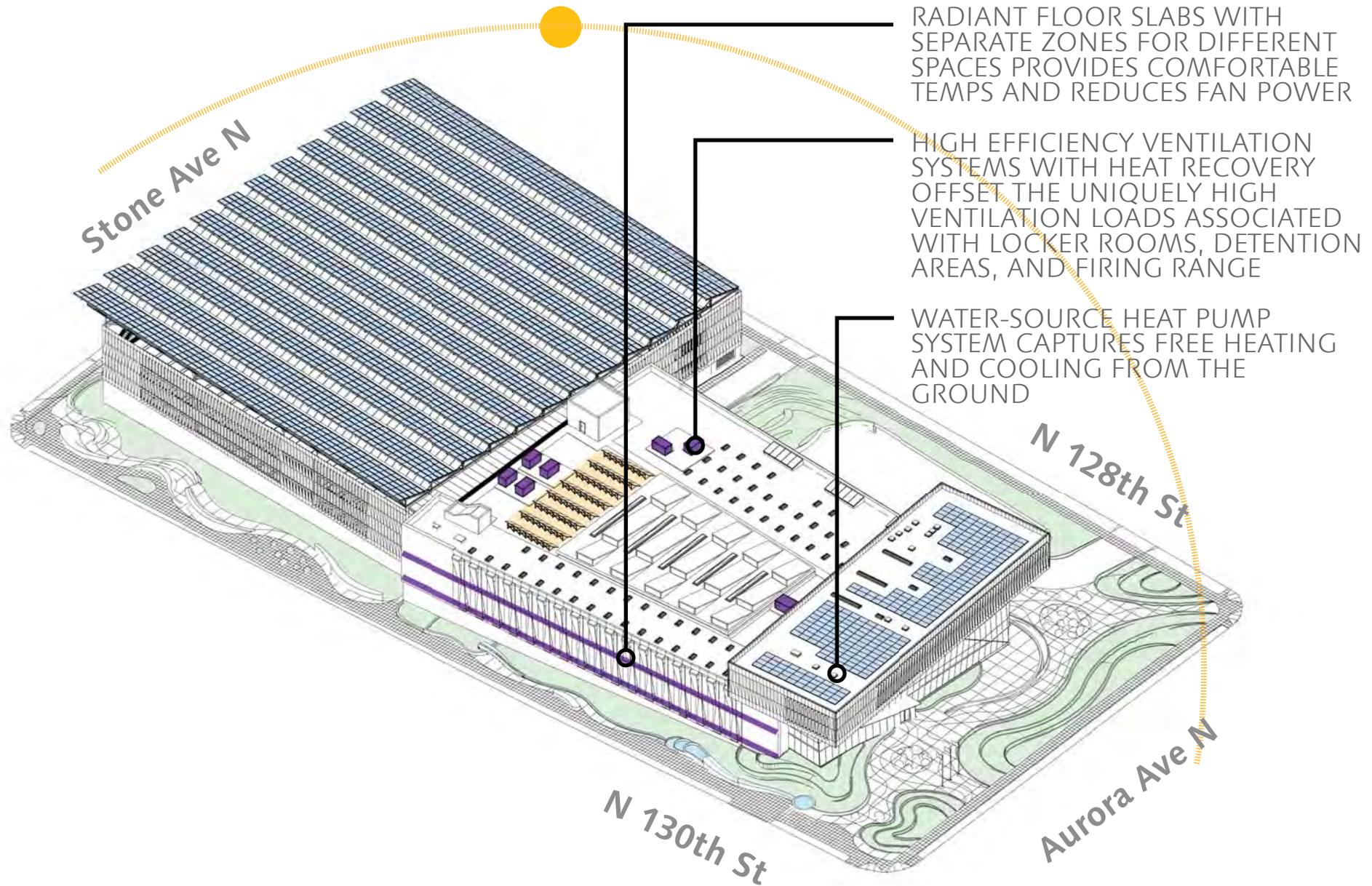
ON-SITE SOLAR PV PANELS





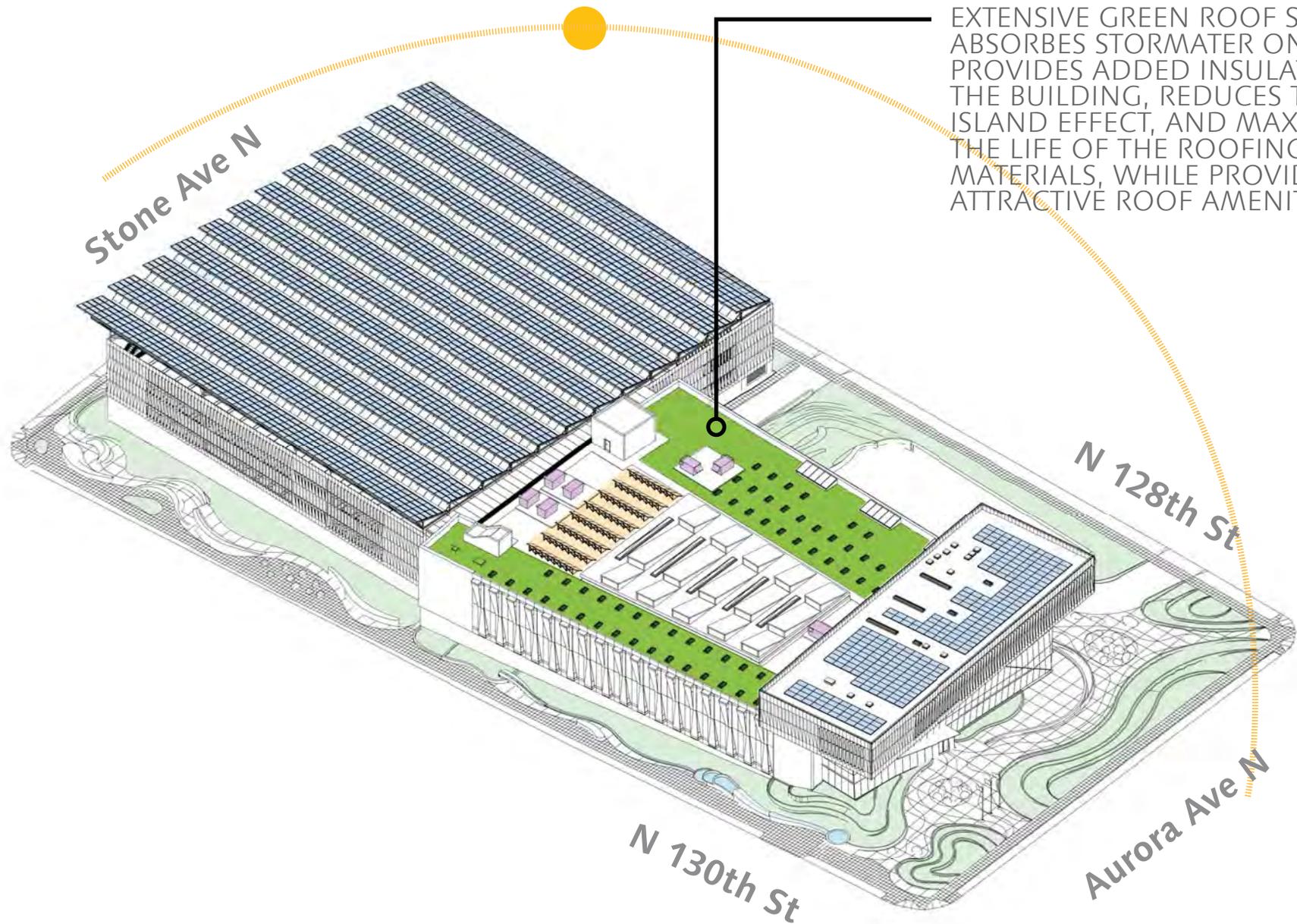
SOLAR THERMAL WATER HEATING





HIGH EFFICIENCY HVAC SYSTEMS

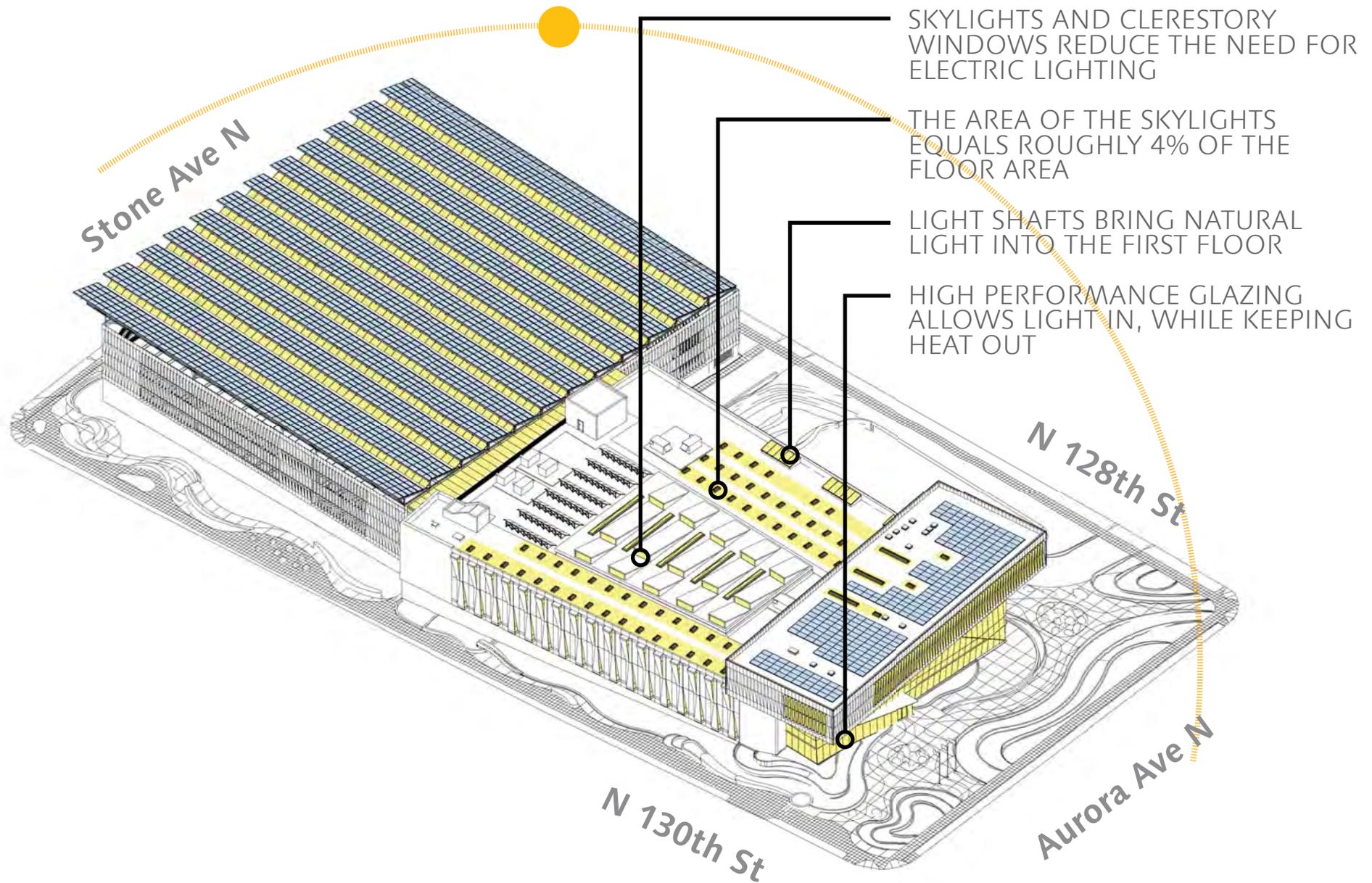




EXTENSIVE GREEN ROOF SYSTEM ABSORBES STORMWATER ON SITE, PROVIDES ADDED INSULATION TO THE BUILDING, REDUCES THE HEAT ISLAND EFFECT, AND MAXIMIZES THE LIFE OF THE ROOFING MATERIALS, WHILE PROVIDING AN ATTRACTIVE ROOF AMENITY.

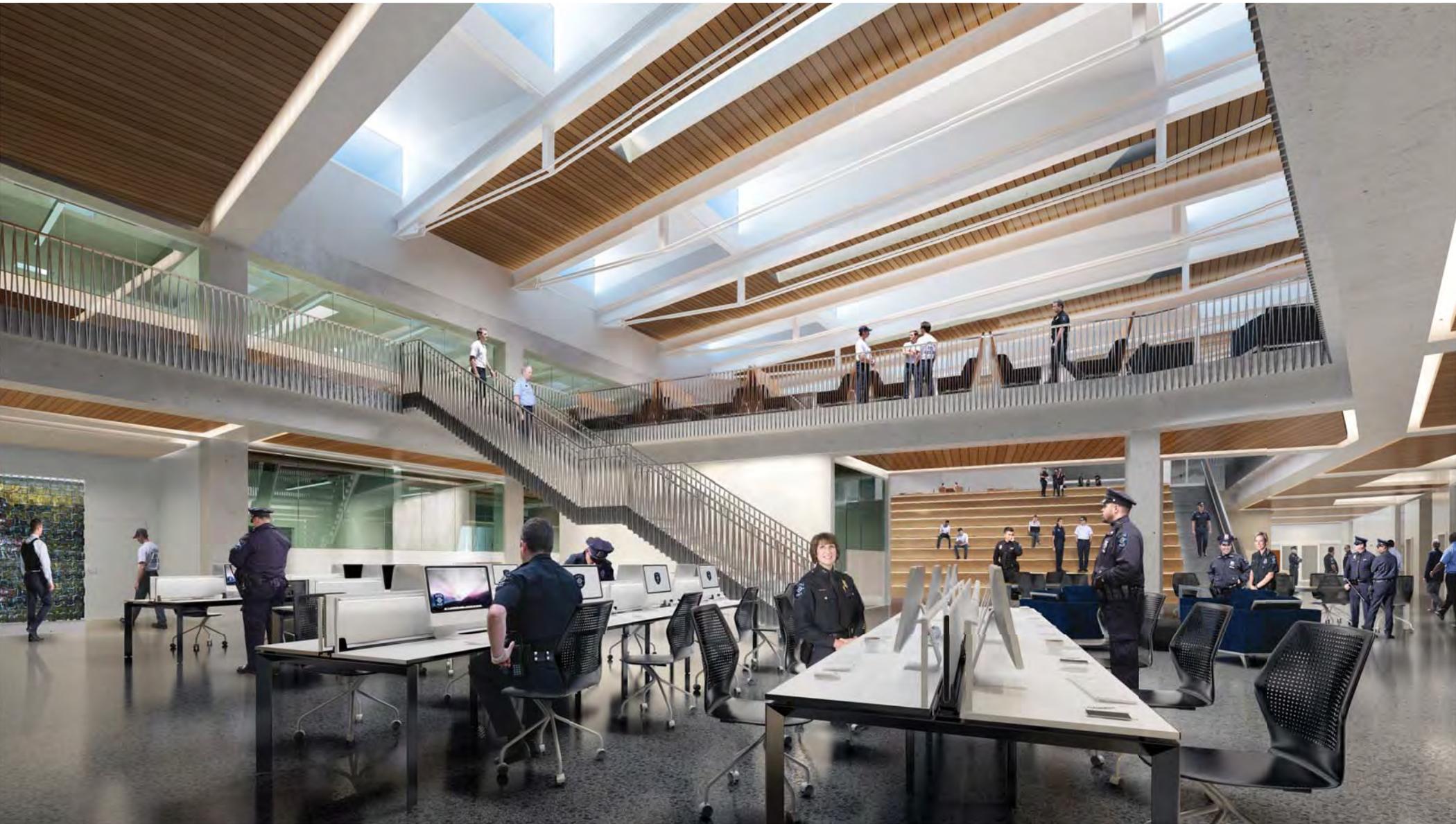
GREEN ROOF



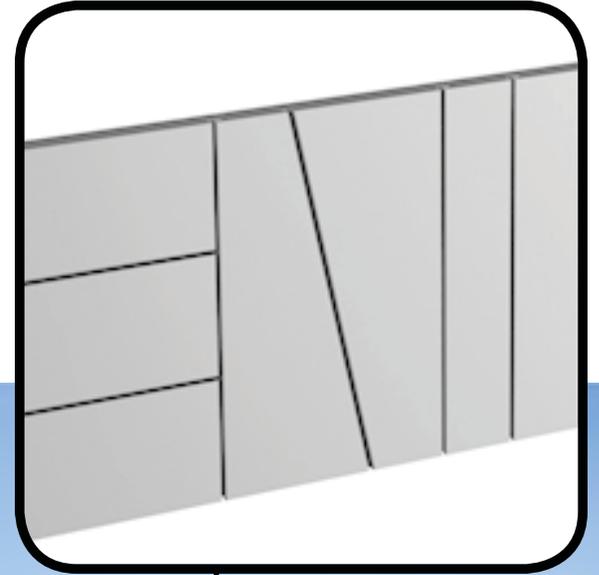
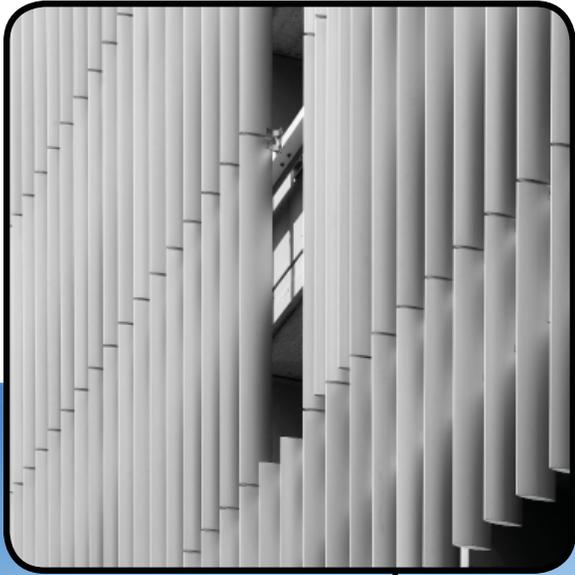


NATURAL DAYLIGHTING STRATEGIES

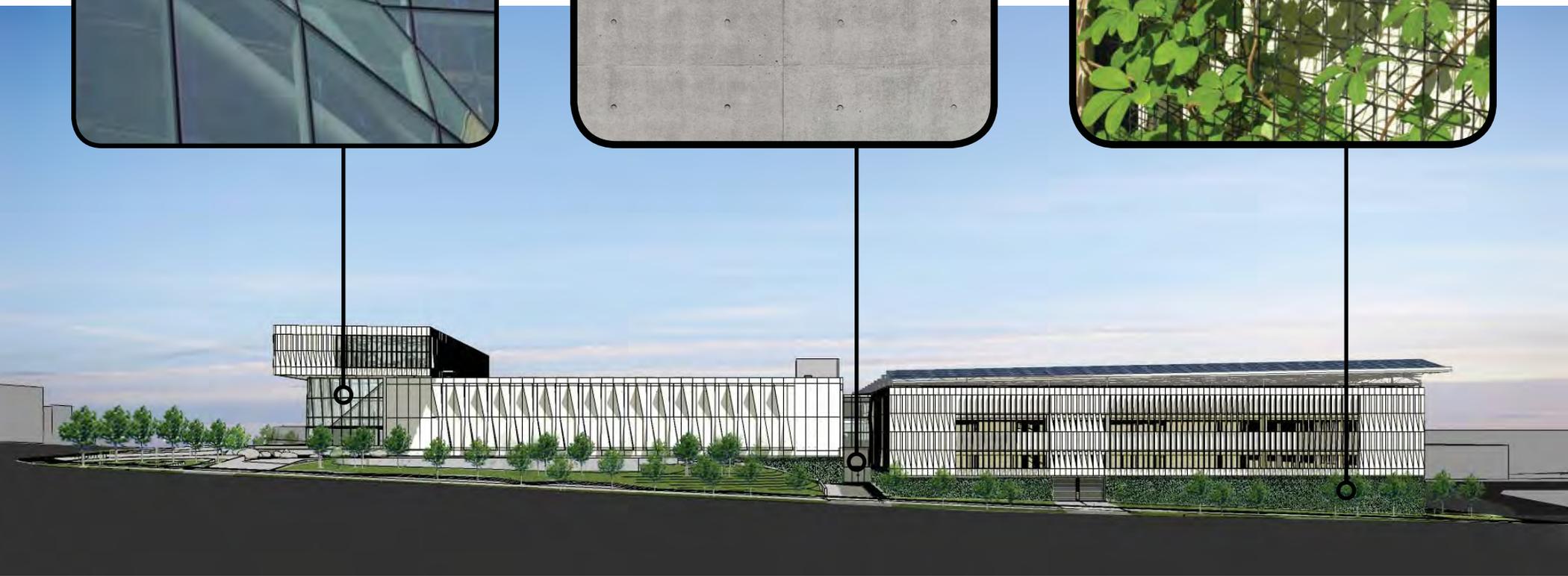
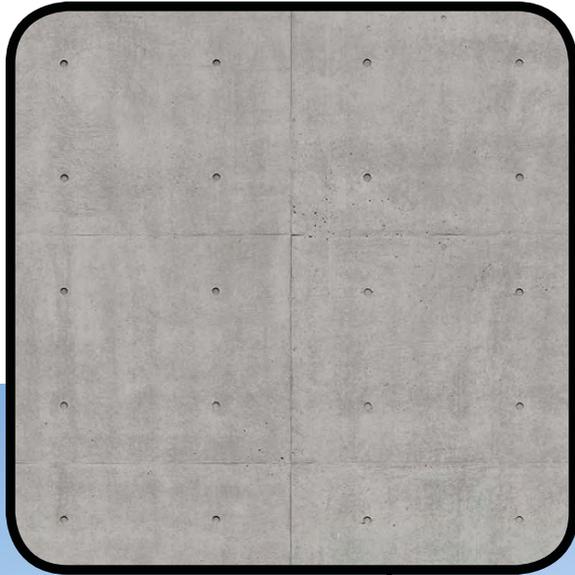




DESIGN DEVELOPMENT PERSPECTIVE: INTERIOR COMMONS



MATERIALS: NORTH ELEVATION



MATERIALS: SOUTH ELEVATION



THANK YOU

QUESTIONS AND COMMENTS