COMMUNITY ENGAGEMENT: OPEN HOUSE
NEIGHBORHOOD PLAN
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
FLOOR PLANS

LEVEL 0
- FIRING RANGE & TRAINING
- PARKING POV & SPECIALTY FLEET

LEVEL 1
- COMMAND & OFFICES
- COMMONS
- DETAINEE PROCESSING
- OPERATIONS & EQUIPMENT
- FLEET PARKING

LEVEL 2
- OFFICES
- BREAK/FITNESS
- LOCKERS
- POV PARKING

LEVEL 3
- EDUCATION STAFF
- BREAK
BUILDING SITE LOCATION: CURRENT VEHICLE SITE ACCESS
LANDSCAPE PLAN: PREVIOUS SCHEMATIC DESIGN
INSPIRATION: POLICE UNIFORM
WHAT WE HEARD
PREVIOUS SCHEMATIC ART LOCATIONS: POTENTIAL OPTIONS

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“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
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
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
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
ART INTEGRATION: EXPLORED LOCATION A - SEPTEMBER 4
ART INTEGRATION: EXPLORED LOCATION B - SEPTEMBER 30
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
PUBLIC ENTRY EXPLORATION: LOBBY PROGRAMMING
LOBBY PROGRAMMING: DIRECT LINE TO DUTY OFFICER
LOBBY PROGRAMMING: WAITING ZONES
LOBBY PROGRAMMING: COMMUNITY ROOM

STORAGE

KITCHENETTE
lobby programming: community room layouts

yoga sessions

round table

classes

presentations
LOBBY PROGRAMMING: PUBLIC AMENITIES

PUBLIC ART
LOBBY PROGRAMMING: PUBLIC AMENITIES

PUBLIC ART

RECLAIMED GLULAM BENCHES
LOBBY PROGRAMMING: PUBLIC AMENITIES

- PUBLIC ART
- RECLAIMED GLULAM BENCHES
- DISPLAY CASES
LOBBY PROGRAMMING: PUBLIC AMENITIES LEVEL 1
LOBBY PROGRAMMING: PUBLIC AMENITIES LEVEL 2

PUBLIC ART

SEATING

DISPLAY CASES
LANDSCAPE AND LIGHTING DEVELOPMENT
LANDSCAPE PLAN: DESIGN UPDATE

- SITE PLAN
  - AURORA AVE N
  - N 130TH ST
  - STONE AVE N
  - N 128TH ST
- ENTRY
- FLAGS
- STONE BOLLARDS
- BUS SHELTER
- LANDSCAPE BEDS SLOPING DOWN FROM BUILDING
- STORMWATER TROUGH FLOW-THROUGH STORMWATER PLANTER
- GREEN SCREEN ON WALLS
- POLICE VEHICLE ENTRY
- SIDE ENTRANCE
- CONCRETE SEAT WALLS
- SMALL AMPHITHEATER
- GARBAGE ENCLOSURE
- PARKLETTE WITH SKATEABLE CONCRETE WALLS AND BENCHES
- LOW CONCRETE WALL
- LOW LANDSCAPE PLANTING, TYPICAL
- LOW CONCRETE WALLS/BARRIERS
- BIKE RACKS AND REPAIR STATION
- CURVING LINES WITHIN PAVING (METAL STRIP OR SANDBLASTED)
- HEADWATERS FEATURE
- STORMWATER PLANTER
- CUT STONE SEATS
- RAIN GARDEN
- TERRACE
- COMMUNITY ROOM
- 5 ADA PARKING STALLS
- PLAZA EXPANSION AND VISITOR PARKING
- CUT STONE SEATS
- CUT STONE SEATS
- CUT STONE SEATS
- CUT STONE SEATS
- HEADWATERS FEATURE
- STONE BOLLARDS
- STONE BOLLARDS
- STONE BOLLARDS
- STONE BOLLARDS
- STONE BOLLARDS

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LANDSCAPE PLAN: SKATE FORMS
LANDSCAPE PLAN: RAINGARDENS
LANDSCAPE PLAN: AMPHITHEATER
LANDSCAPE PLAN: TERRACED PLANTINGS
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: 130TH & AURORA
LIGHTING: TREE UPLIGHT
LIGHTING: GREEN SCREEN
LIGHTING: NORTH AND SOUTH FACADE
LIGHTING: DOWNLIGHT LOBBY ARRAY
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
GROUND SOURCE HEAT PUMP SYSTEM

APPROXIMATELY 152 BORES, 200-300 FEET DEEP

THIS NATURAL GROUND SOURCE HEAT PUMP SYSTEM MEETS 100% OF THE HEATING AND COOLING DEMANDS FOR THE BUILDING.
STORMWATER IS TREATED NATURALLY ON-SITE THROUGH EXPOSED RAIN GARDENS

ALL RAINWATER IS COLLECTED AND FILTERED FROM THE ROOF FOR TOILET AND URINAL FLUSHING WATER

AN INNOVATIVE SUB-GRADE CISTERN PIPE STORES WATER ON-SITE FOR RE-USE

LANDSCAPE FEATURES MANAGE STORMWATER WHILE PROVIDING A PUBLIC AMENITY
ON-SITE SOLAR PV PANELS

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.
2,000 SF of solar thermal panels heats 2,500 gallons of hot water per day.

Provides 100% of hot water for an estimated 600 gallons of hot water used per shift change.
RADIANT FLOOR SLABS WITH SEPARATE ZONES FOR DIFFERENT SPACES PROVIDES COMFORTABLE TEMPS AND REDUCES FAN POWER

HIGH EFFICIENCY VENTILATION SYSTEMS WITH HEAT RECOVERY OFFSET THE UNIQUELY HIGH VENTILATION LOADS ASSOCIATED WITH LOCKER ROOMS, DETENTION AREAS, AND FIRING RANGE

WATER-SOURCE HEAT PUMP SYSTEM CAPTURES FREE HEATING AND COOLING FROM THE GROUND

HIGH EFFICIENCY HVAC SYSTEMS
EXTENSIVE GREEN ROOF SYSTEM ABSORBS 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.
SKYLIGHTS AND CLERESTORY WINDOWS REDUCE THE NEED FOR ELECTRIC LIGHTING.

THE AREA OF THE SKYLIGHTS EQUALS ROUGHLY 4% OF THE FLOOR AREA.

LIGHT SHAFTS BRING NATURAL LIGHT INTO THE FIRST FLOOR.

HIGH PERFORMANCE GLAZING ALLOWS LIGHT IN, WHILE KEEPING HEAT OUT.
DESIGN DEVELOPMENT PERSPECTIVE: INTERIOR COMMONS
MATERIALS: NORTH ELEVATION
THANK YOU

QUESTIONS AND COMMENTS