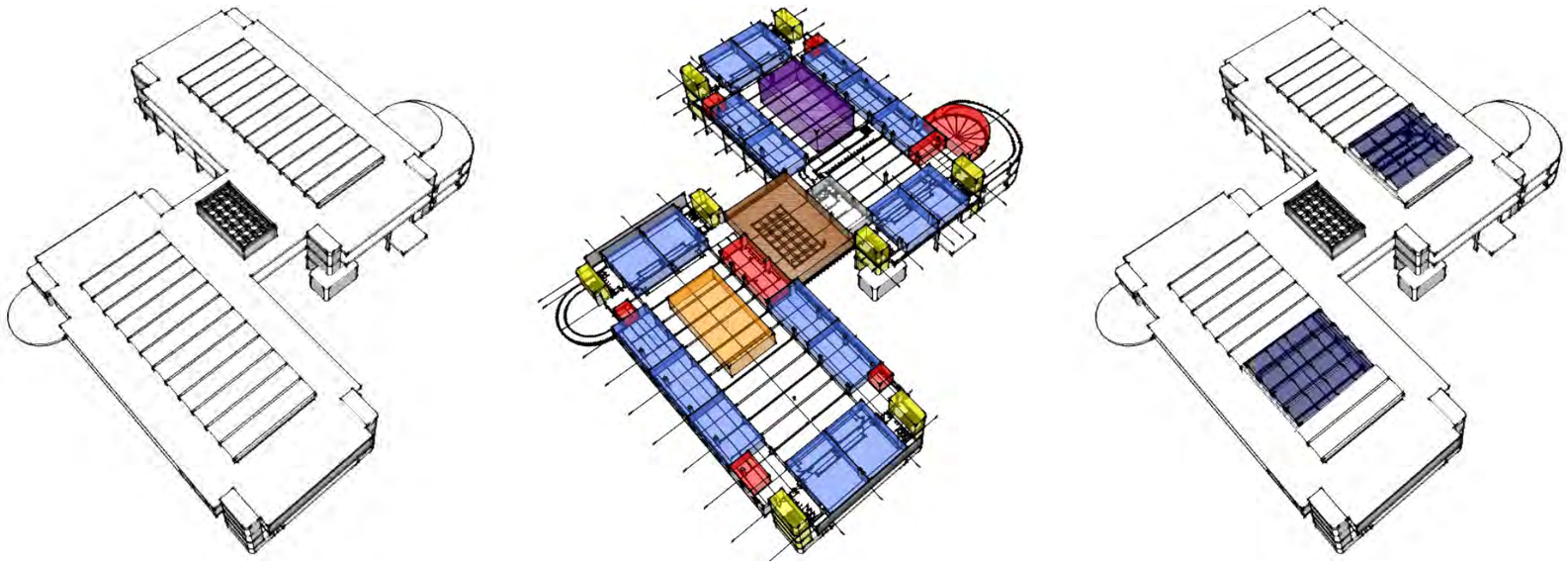
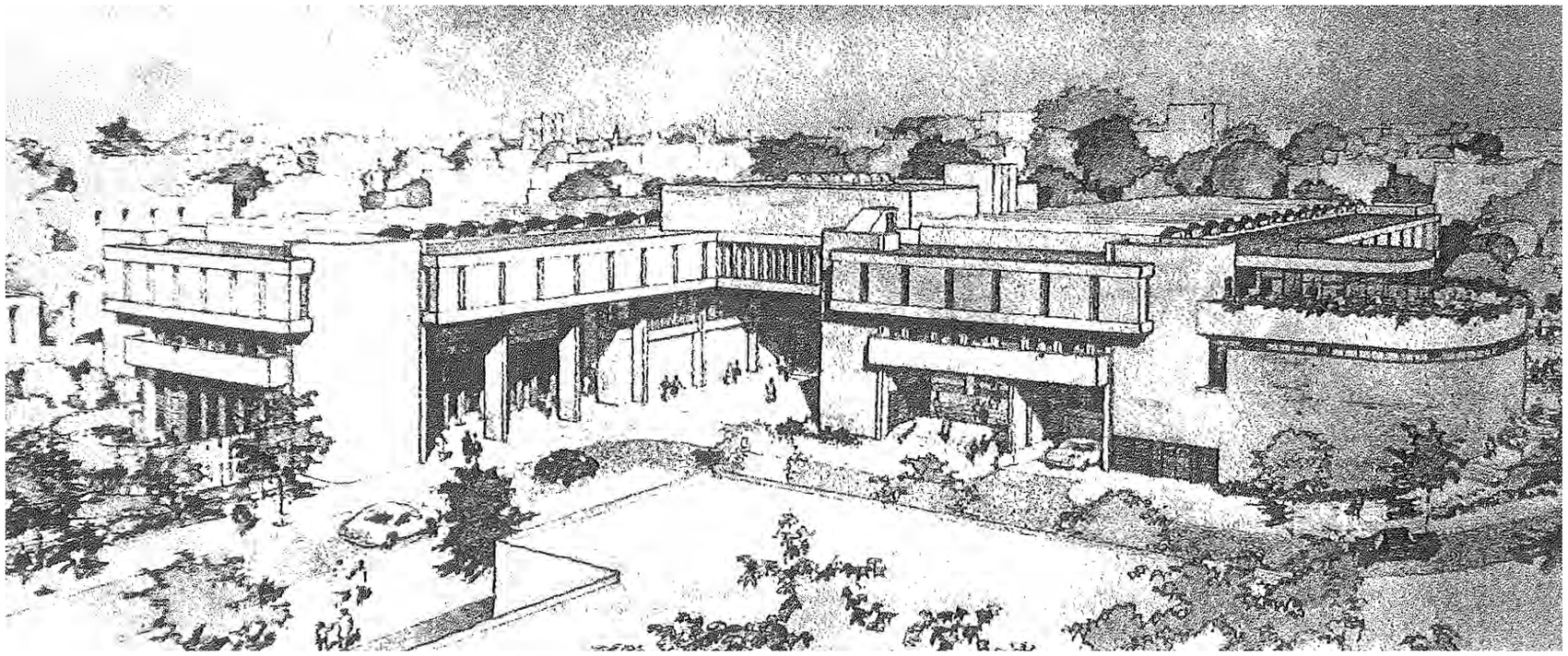




REVISED CONCEPT DESIGN
CFA SUBMISSION

MARIE H. REED COMMUNITY LEARNING CENTER

2201 18TH STREET NW,
WASHINGTON, D.C. 20009

SUMMARY SLIDES

EXCERPTS FROM THE LARGER 04 FEBRUARY 2016 SUBMISSION

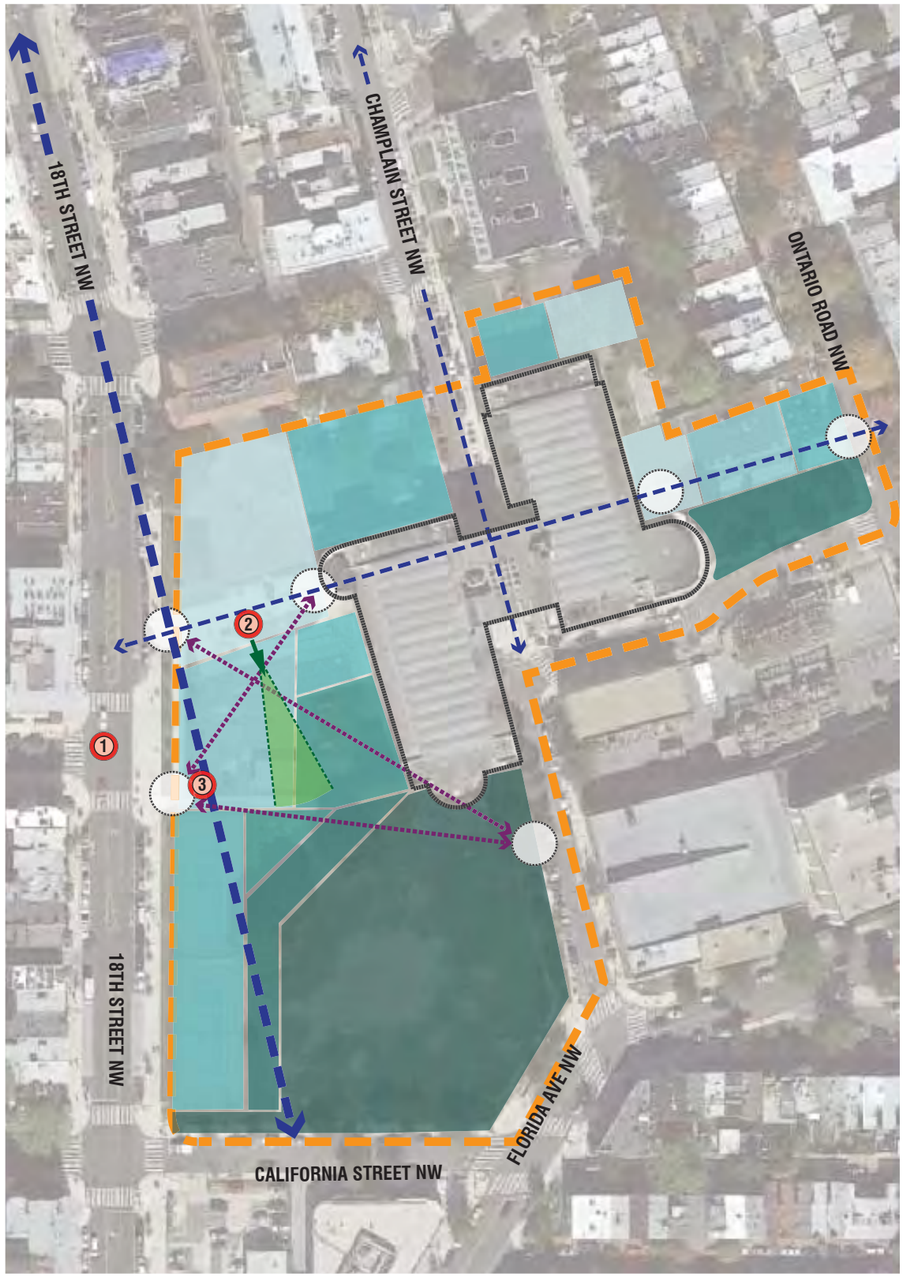
DRAFT

QUINN EVANS
ARCHITECTS

SITE ANALYSIS

LEGEND

- SITE BOUNDARY
- EXISTING BUILDING
- CONTEXTUAL AXES
- DESIRE LINES
- EXISTING NODES
- EXISTING VIEWSHED
- CHANGE IN ELEVATION
  (LIGHT BLUE INDICATES HIGHEST ELEVATION)



0 125 250 FT

SCALE 1"=125'

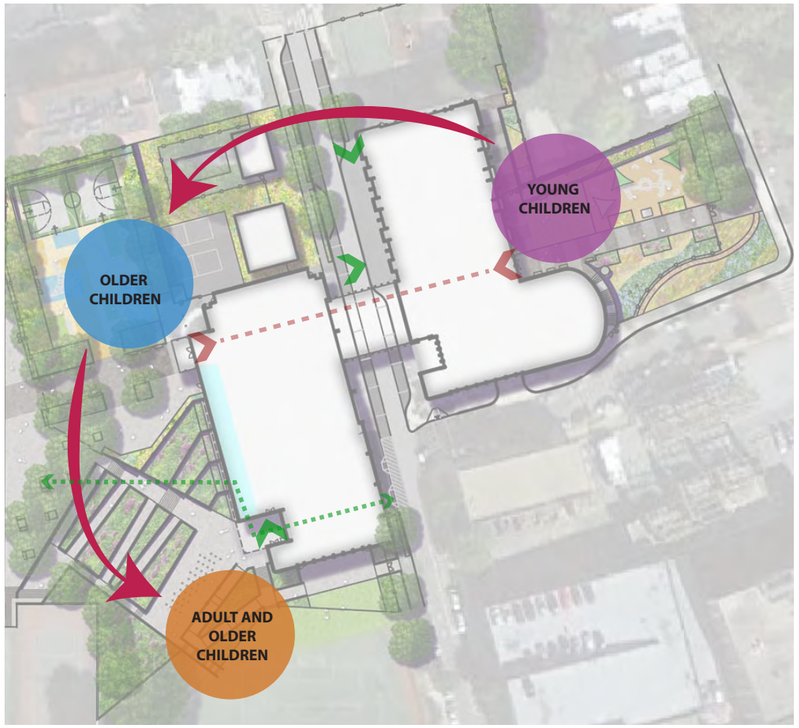
The school's entrance is not clear or organized, resulting in an unwelcoming front entrance. But, 18th Street's direct vista to the school provides opportunities to create a strong street presence.

Existing trees frame the view to the Washington Monument, providing an opportunity to visually connect the site to the larger DC context.

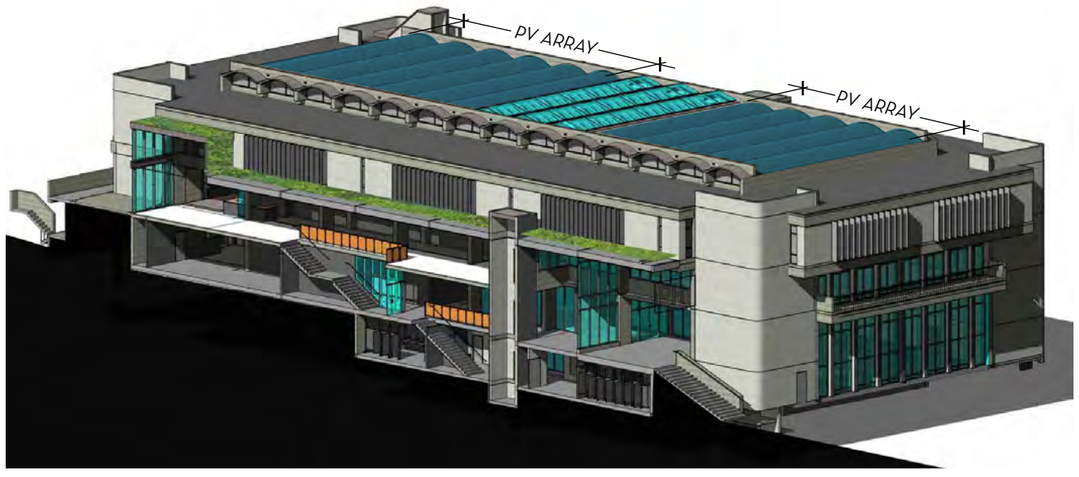
Numerous grade changes form scattered transitions between levels. Intermediate curbs and level changes create tripping hazards, causing playground safety issues.

DESIGN - CONCEPT DIAGRAMS

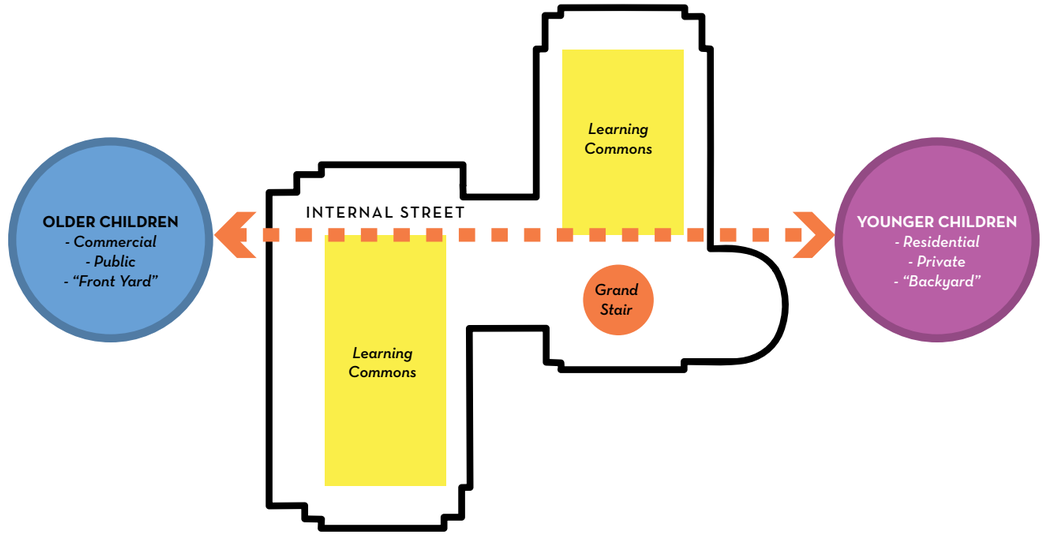
Site Circulation



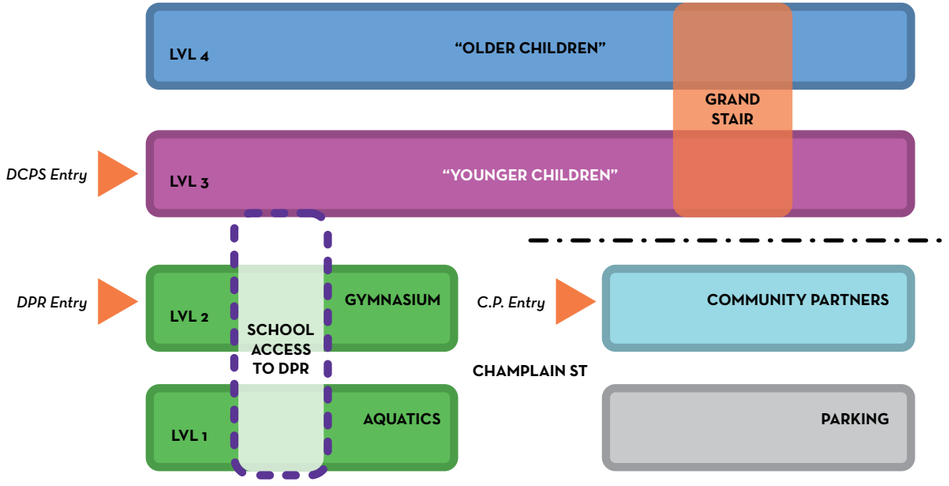
West Addition Axonometric Cross-Section



Horizontal Building Circulation



Vertical Building Circulation

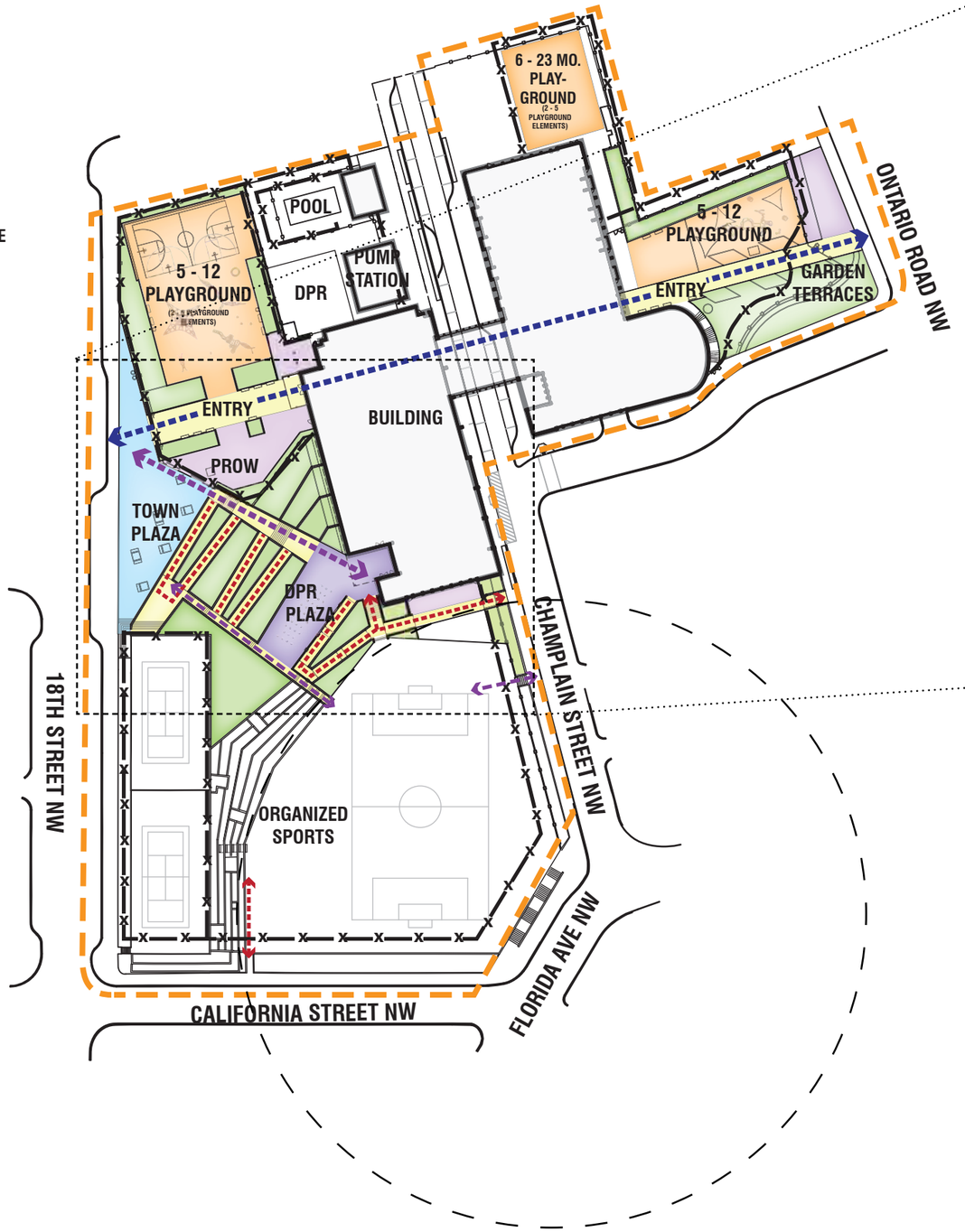


EXISTING VIEW FROM SOCCER FIELD SEATING

CIRCULATION & RAMP DIAGRAM

LEGEND

- SITE BOUNDARY
- PRIMARY SCHOOL ROUTE
- PRIMARY COMMUNITY ROUTE
- SECONDARY COMMUNITY ROUTE
- ADA COMPLIANT ROUTE
- FENCE LINE
- PLANTING AREAS
- MAJOR CIRCULATION ROUTE
- PLAY SPACE
- PLAZA & GATHERING SPACES



- FACILITY / AMENITY ACCESS
- SIGNIFICANT CONNECTIONS
- 90° PARALLEL LINES
- 136° PARALLEL LINES
- 142° PARALLEL LINES

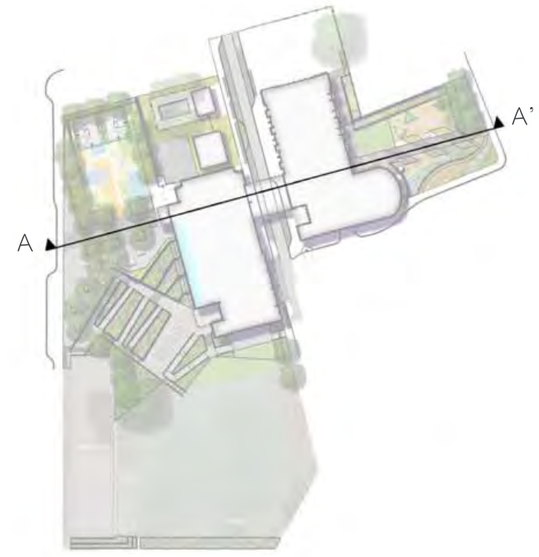
0 100 200 FT

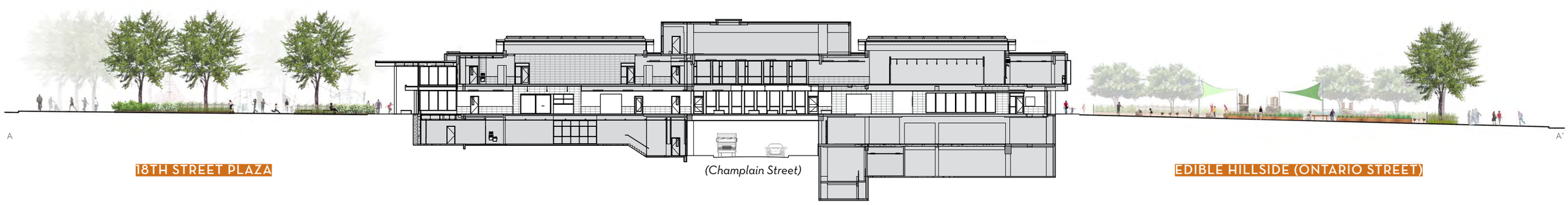
SCALE 1"=100'

Marie H. Reed Community Learning Center
District of Columbia Public Schools

SITE DESIGN - ILLUSTRATIVE PLAN

SITE DESIGN - INTERNAL STREET SECTION





SITE DESIGN - COMMUNITY STAIRCASE SECTION

COMMUNITY STAIRCASE SECTION

SCALE: 1" = 10'=0"

SITE DESIGN - COMMUNITY STAIRCASE ELEVATION

COMMUNITY STAIRCASE & RAMP ELEVATION

SITE DESIGN - ONTARIO HILLSIDE

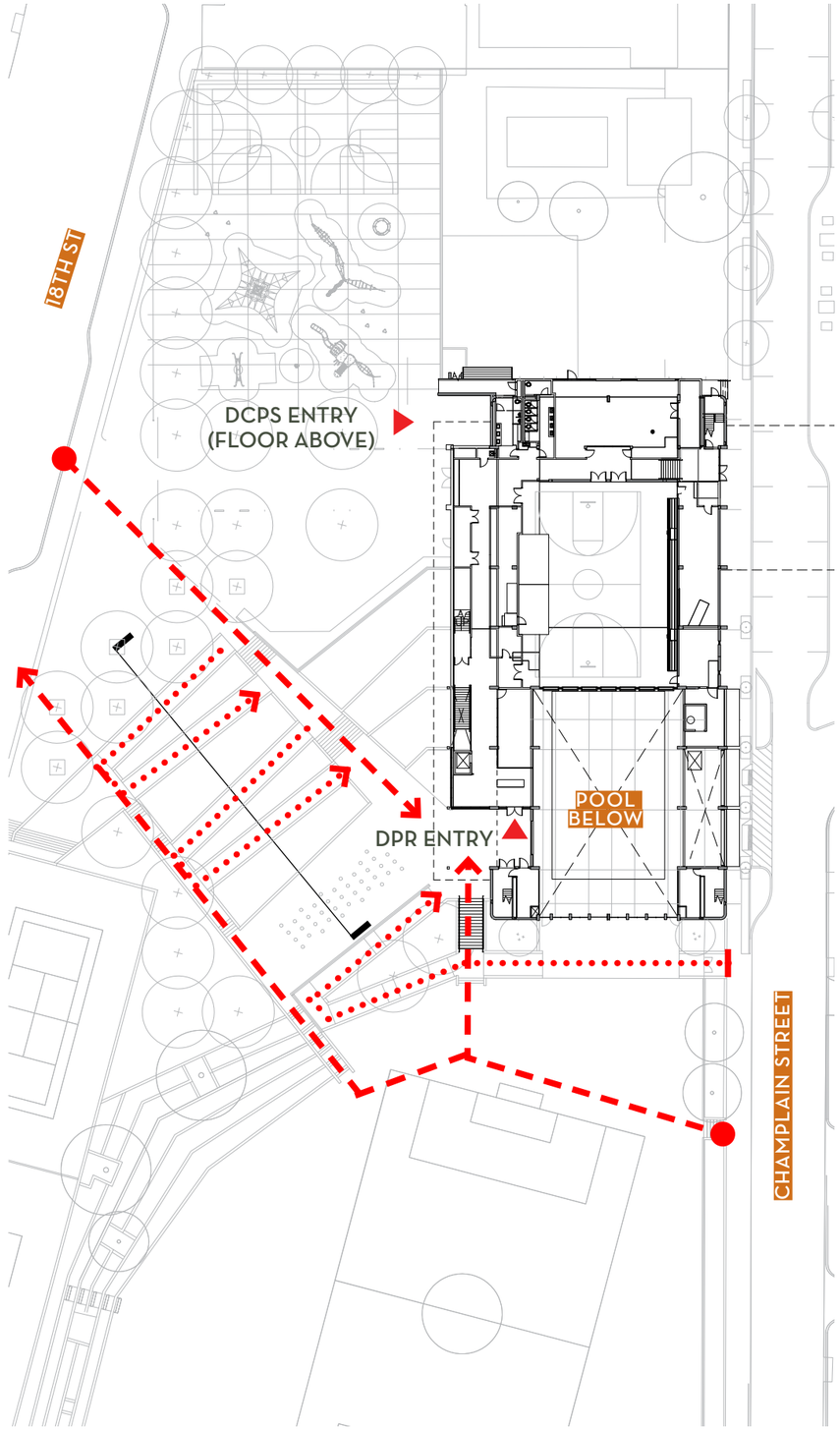
ONTARIO PLAYGROUND & HILLSIDE TERRACES

SCALE: 1" = 10'-0"

DPR SITE ACCESS

SITE SECTION THROUGH RAMP

SITE SECTION THROUGH STAIR



Concept Design: CFA Submission

GREEN DESIGN STRATEGIES - PRELIMINARY

The following list of sustainable design strategies shall be considered during Schematic Design

Sustainable Sites
- Use **NATIVE PLANTS**
- **GREEN ROOF**
- Innovative and **INTEGRATED STORM WATER** management best practices
- Underground **CISTERN** or storage system
- **GARDEN**
- **LIVING** vertical wall

Water Efficiency
- **LOW FLOW** fixtures

Energy & Atmosphere
- Employ **PHOTO-VOLTAIC** panels
- Purchase power generated from **RENEWABLE RESOURCES** (sun, wind)
- Provide **IMMEDIATE FEEDBACK** on energy use to facilitate student monitoring and learning
- Employ a **WASTE WATER** source heat pump system
- Employ **SOLAR THERMAL** panels for hot water

Material & Resources
- Use of **LOCAL MATERIALS** wherever possible
- Use of material containing **RECYCLED CONTENT** wherever possible

Indoor Environmental Quality
- Use of shading devices on west facade to **MINIMIZE GLARE** and solar gain.
- Use of **LIGHT SHELVES** to bounce light further into spaces
- Use of **SKYLIGHTS** to increase daylight in spaces

Innovation in Design
- **ALTERNATIVE POOL WATER TREATMENT** system (bromine)

STORMWATER MANAGEMENT

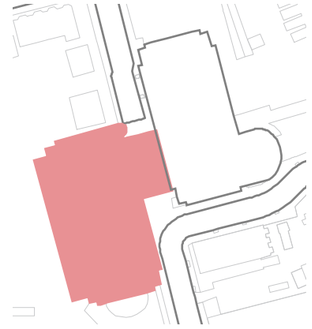
VERTICAL SHADING AT WEST FACADE

EXTENSIVE GREEN ROOF

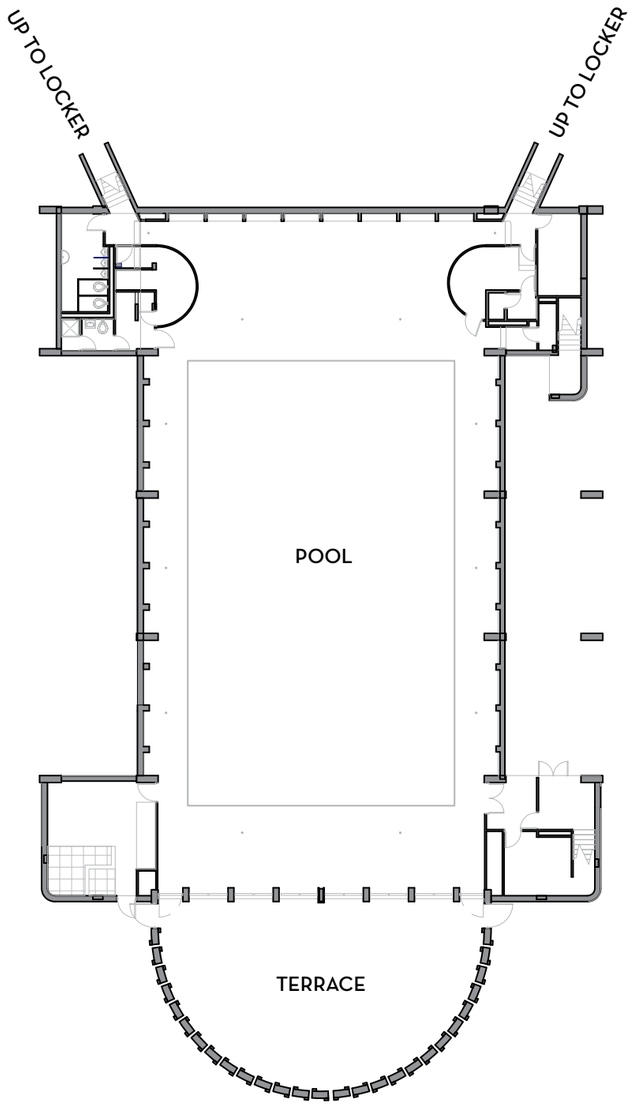
HORIZONTAL SHADING AND LIGHT SHELF AT SOUTH FACADE

Sustainable Strategies Diagram

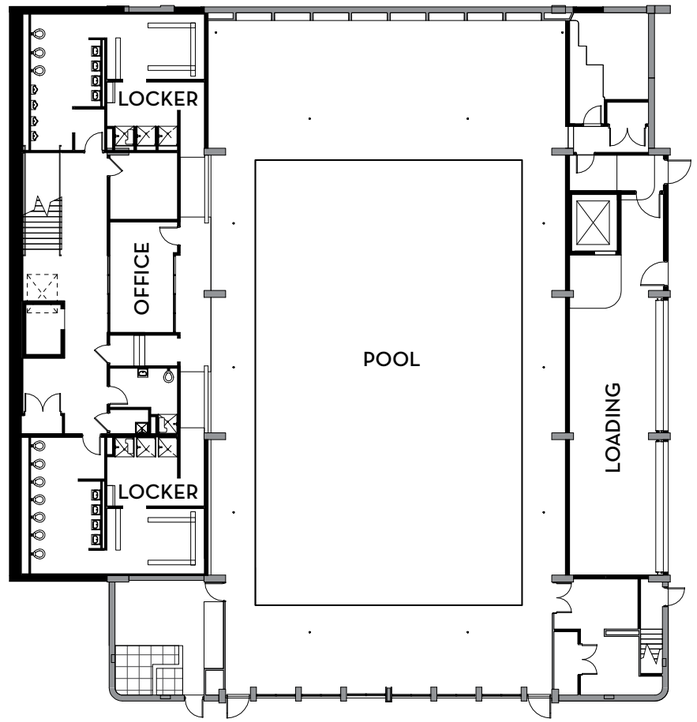
COMPARATIVE PLANS - LEVEL 1W AQUATICS



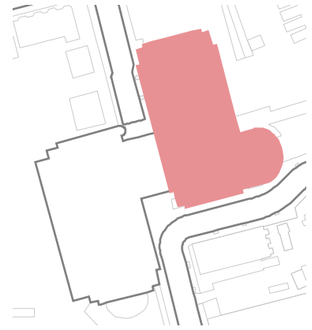
EXISTING



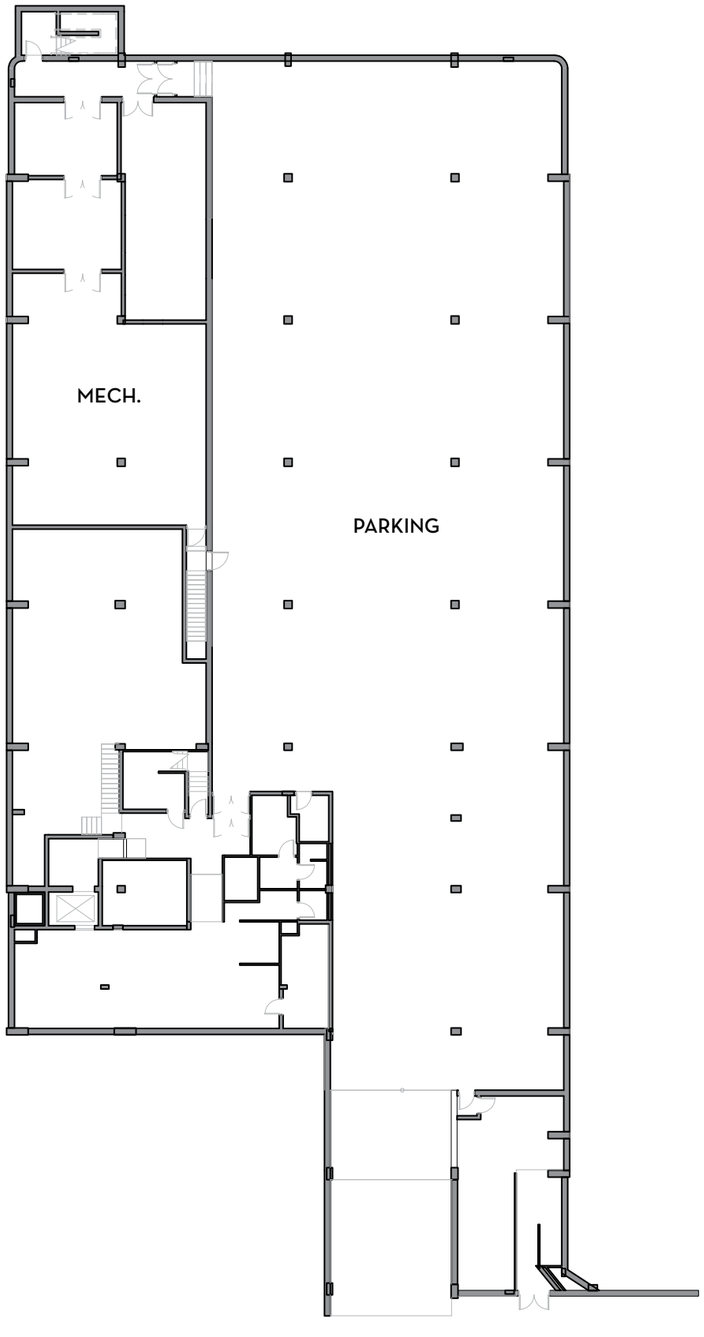
PROPOSED



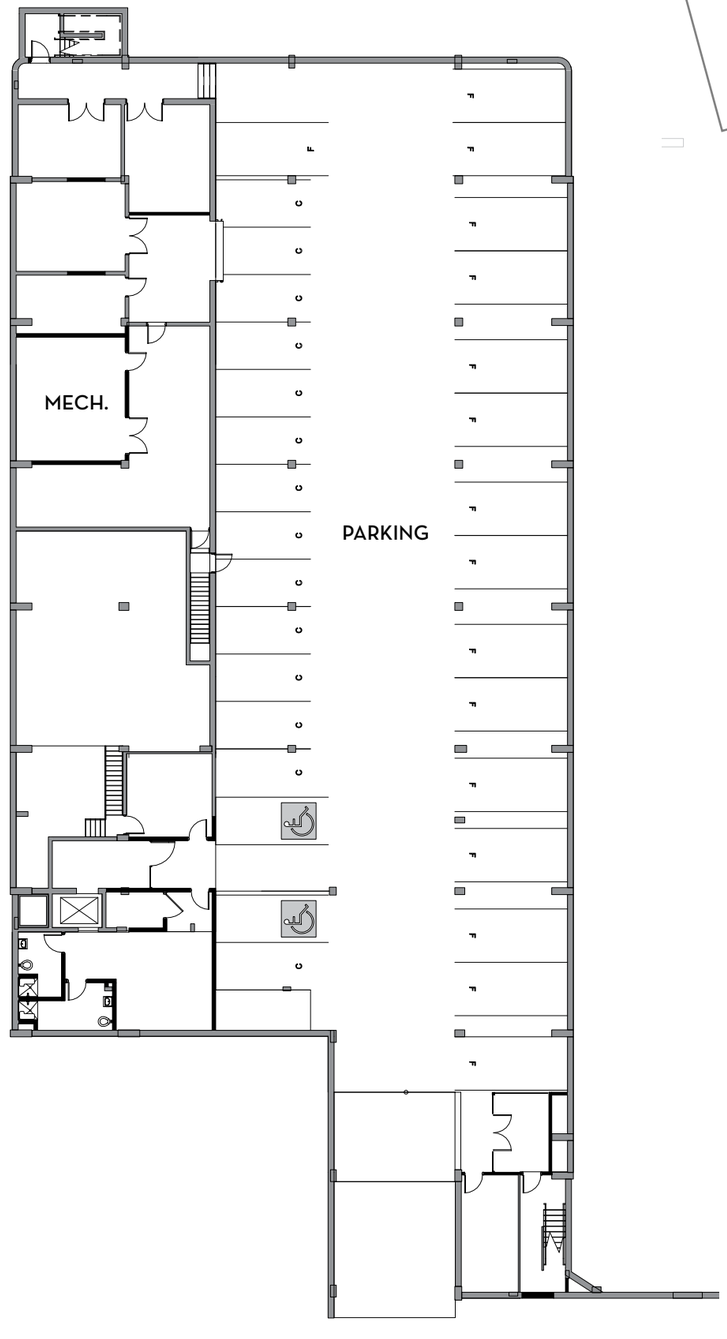
COMPARATIVE PLANS - LEVEL 1E PARKING



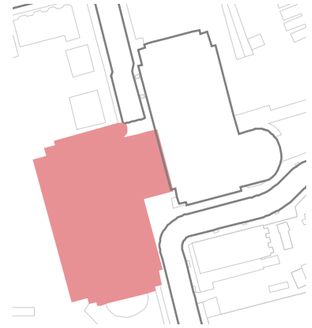
EXISTING



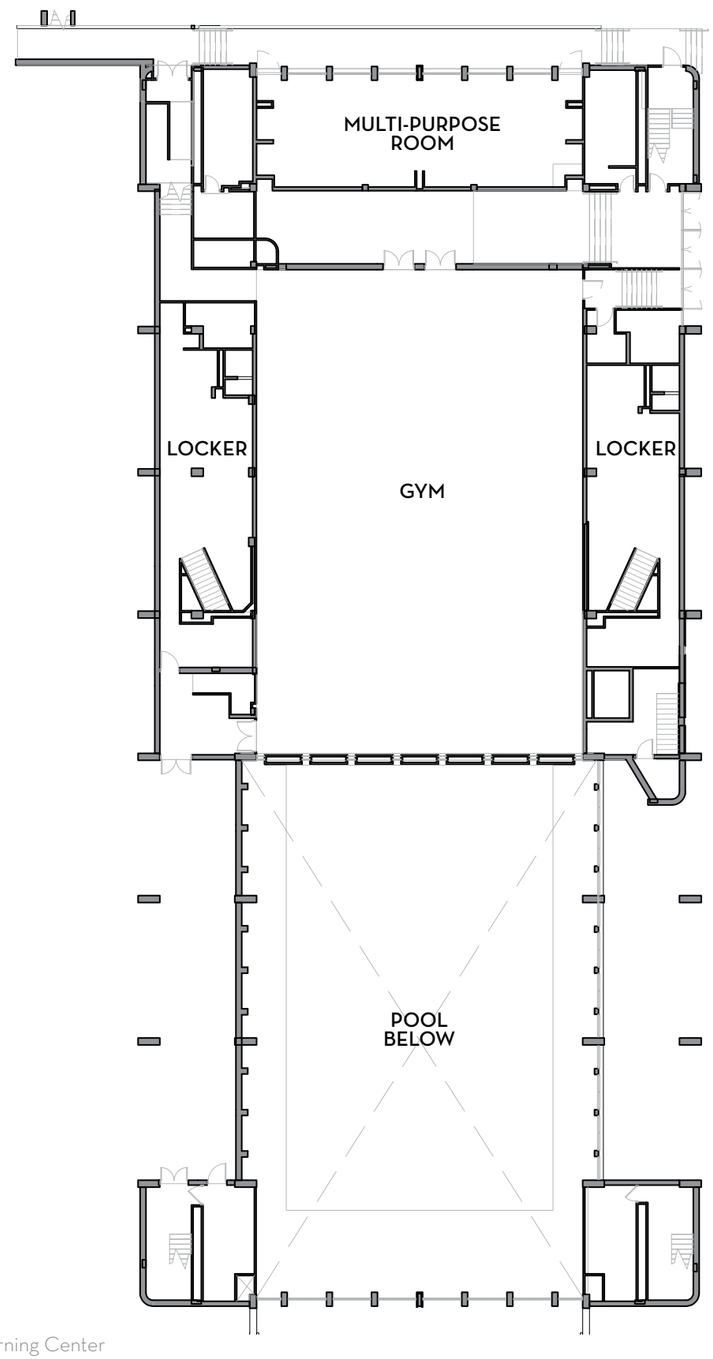
PROPOSED



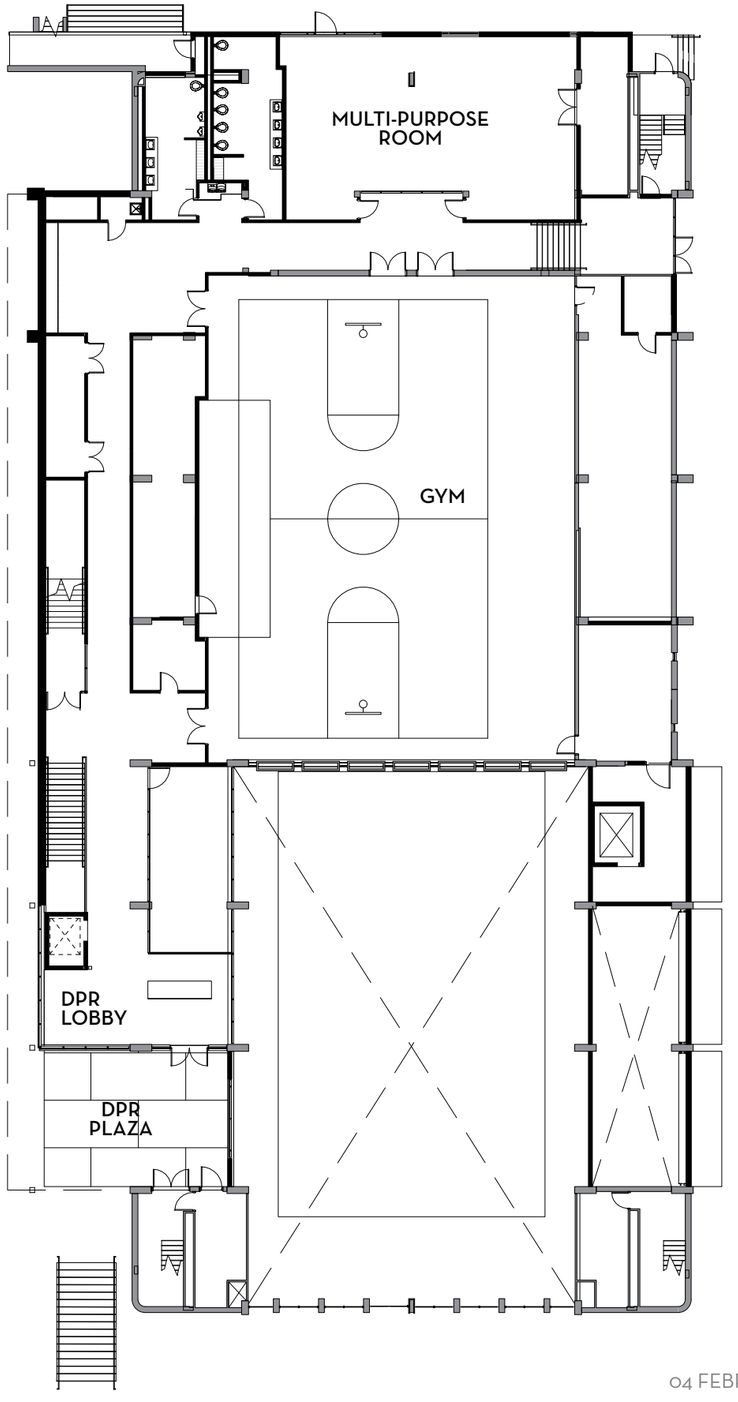
COMPARATIVE PLANS - LEVEL 2W GYMNASIUM



EXISTING

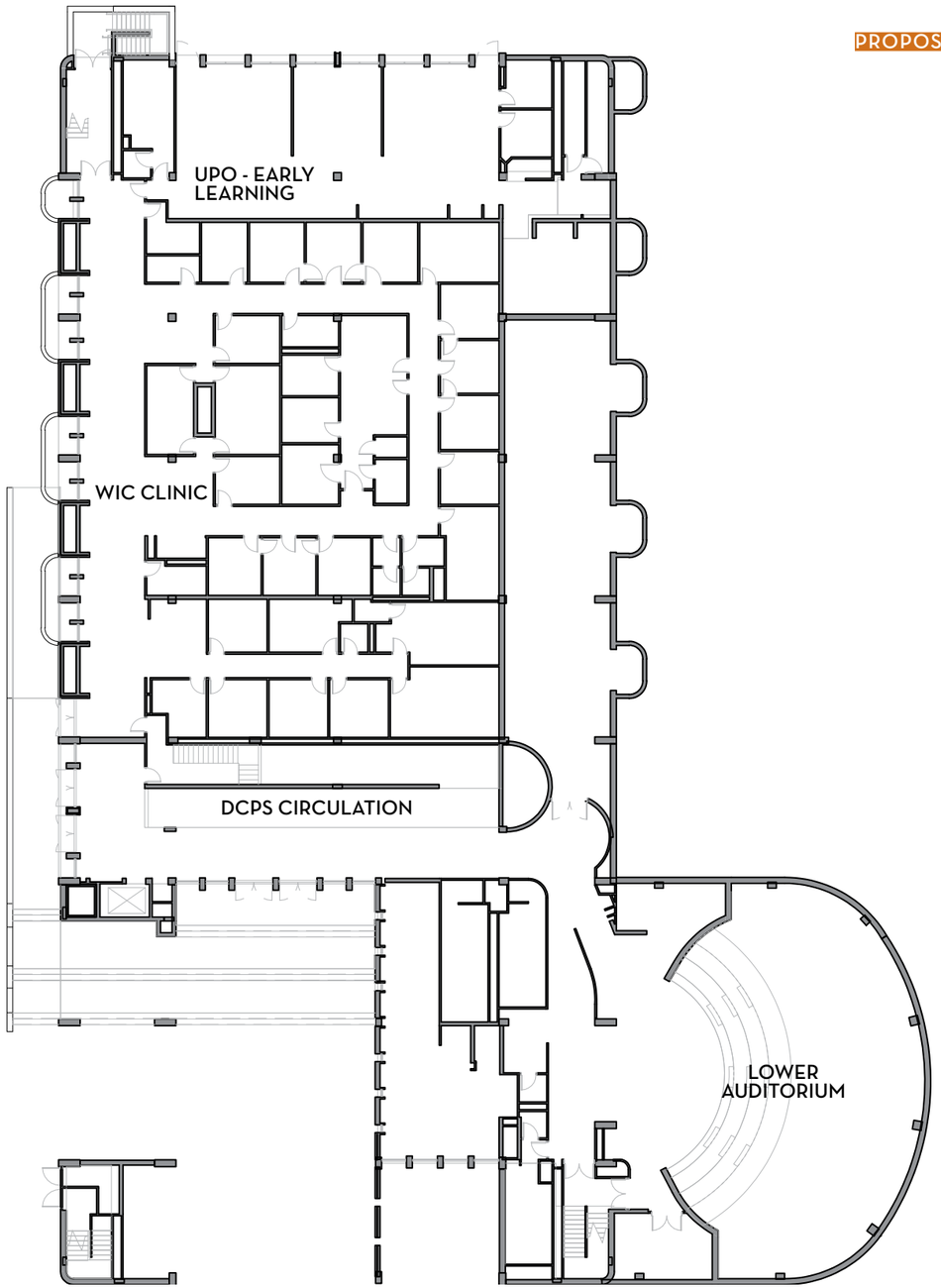


PROPOSED

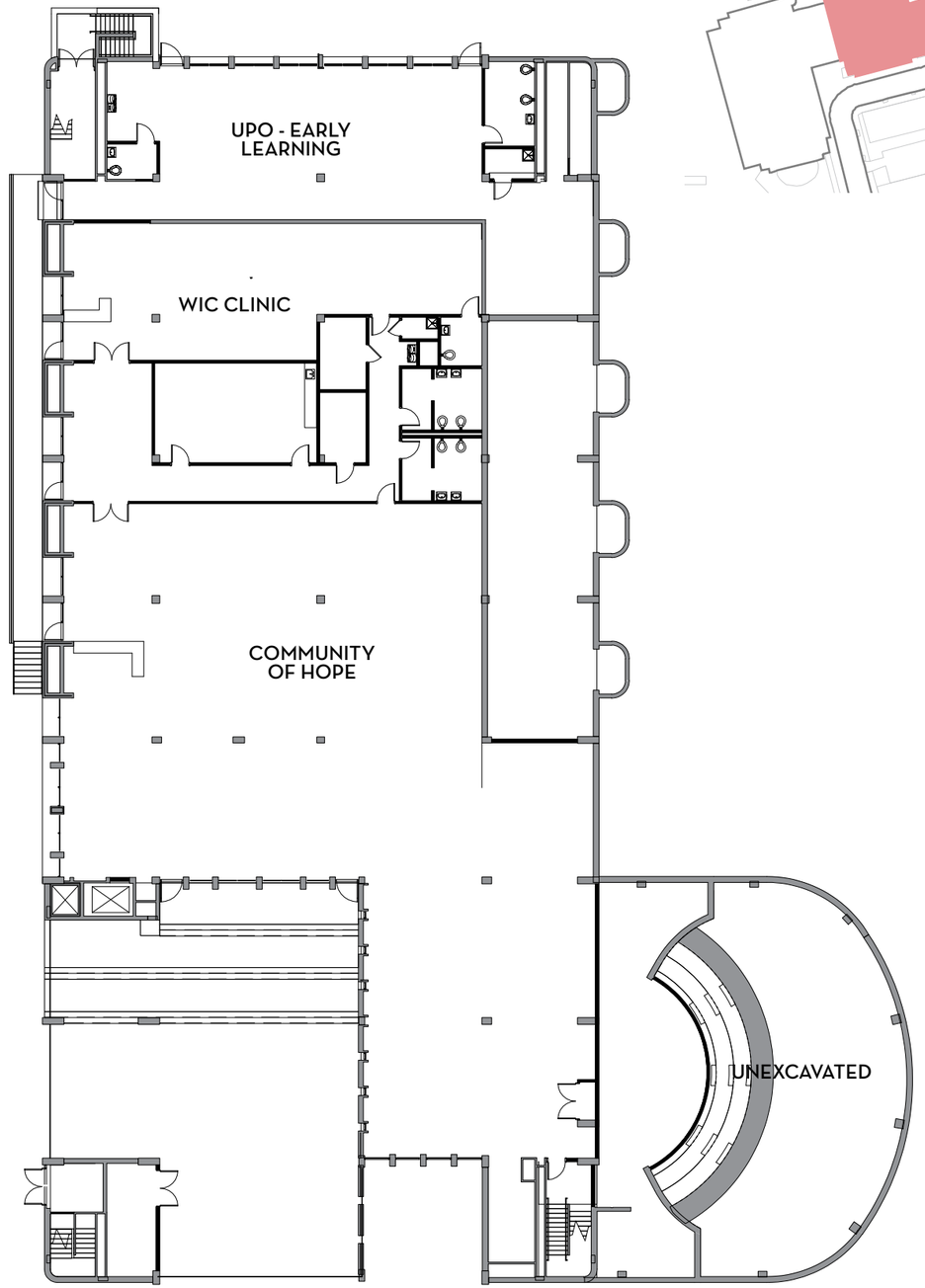


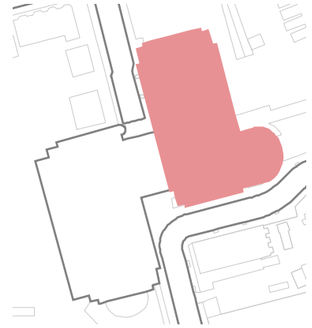
COMPARATIVE PLANS - LEVEL 2E COMMUNITY PARTNERS

EXISTING



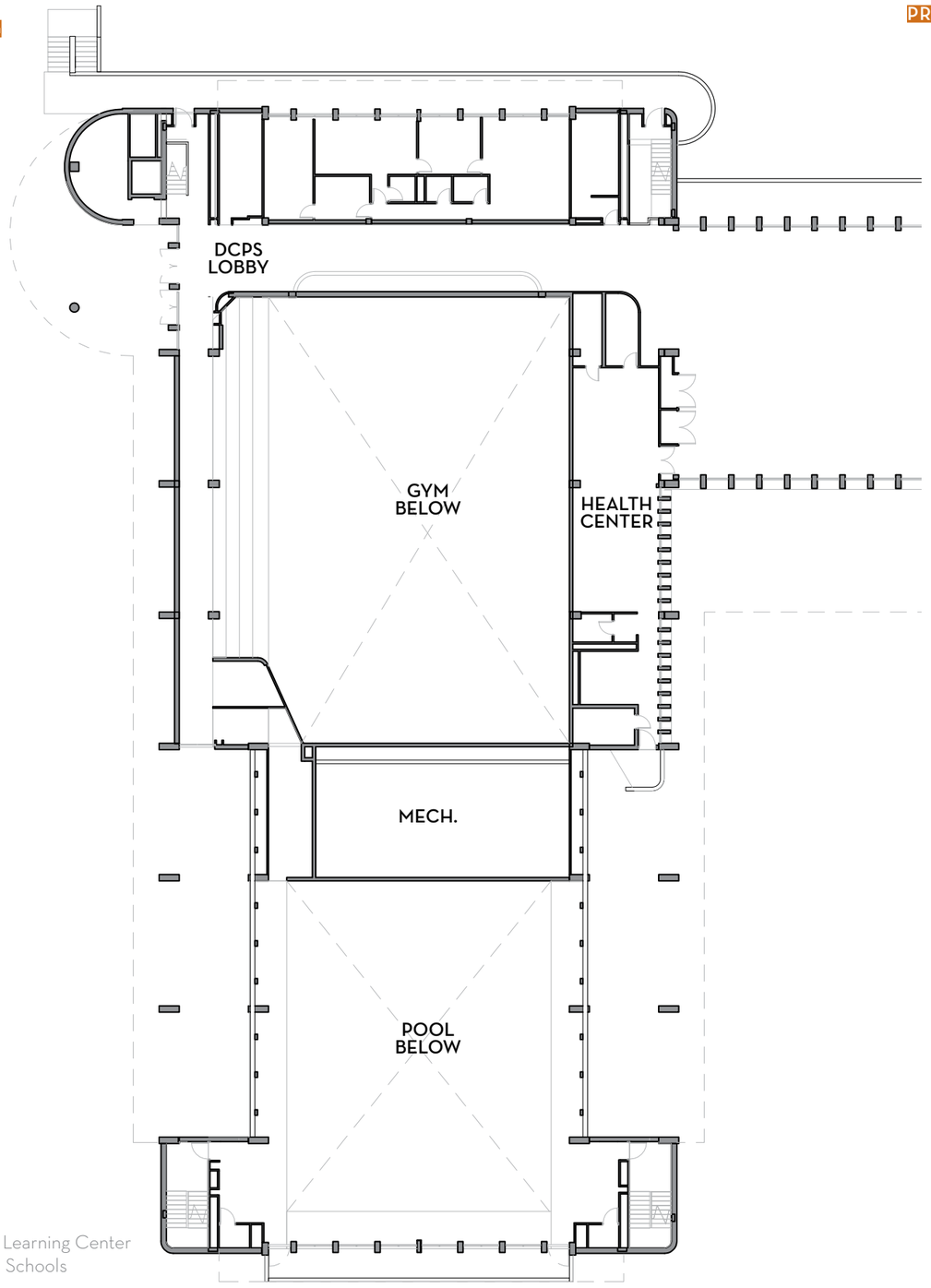
PROPOSED



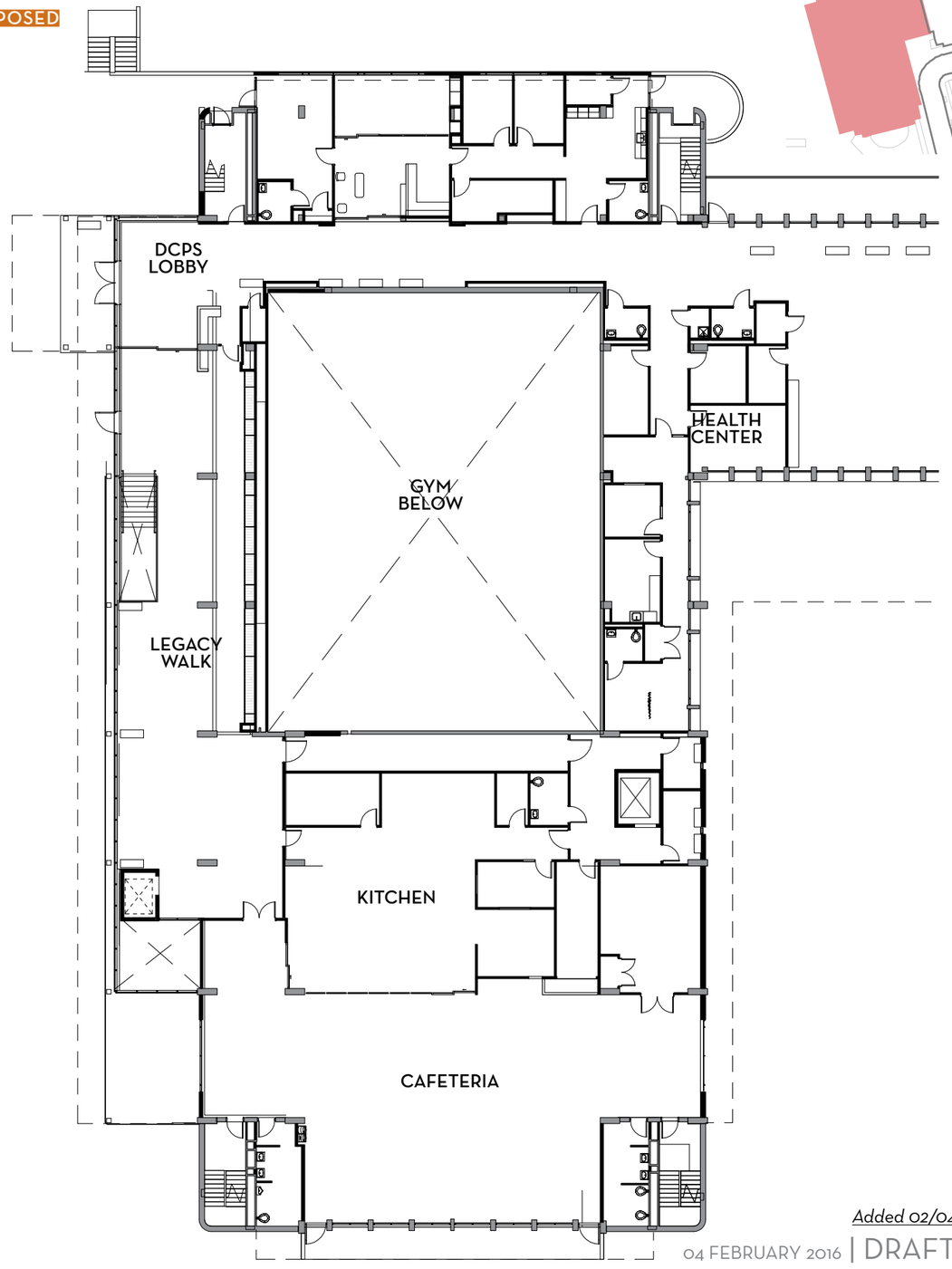


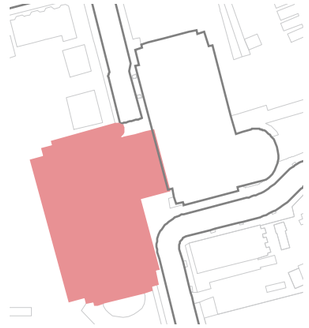
COMPARATIVE PLANS - LEVEL 3W LOWER SCHOOL

EXISTING

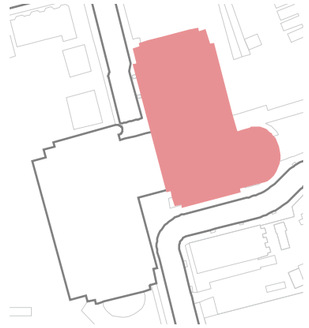


PROPOSED

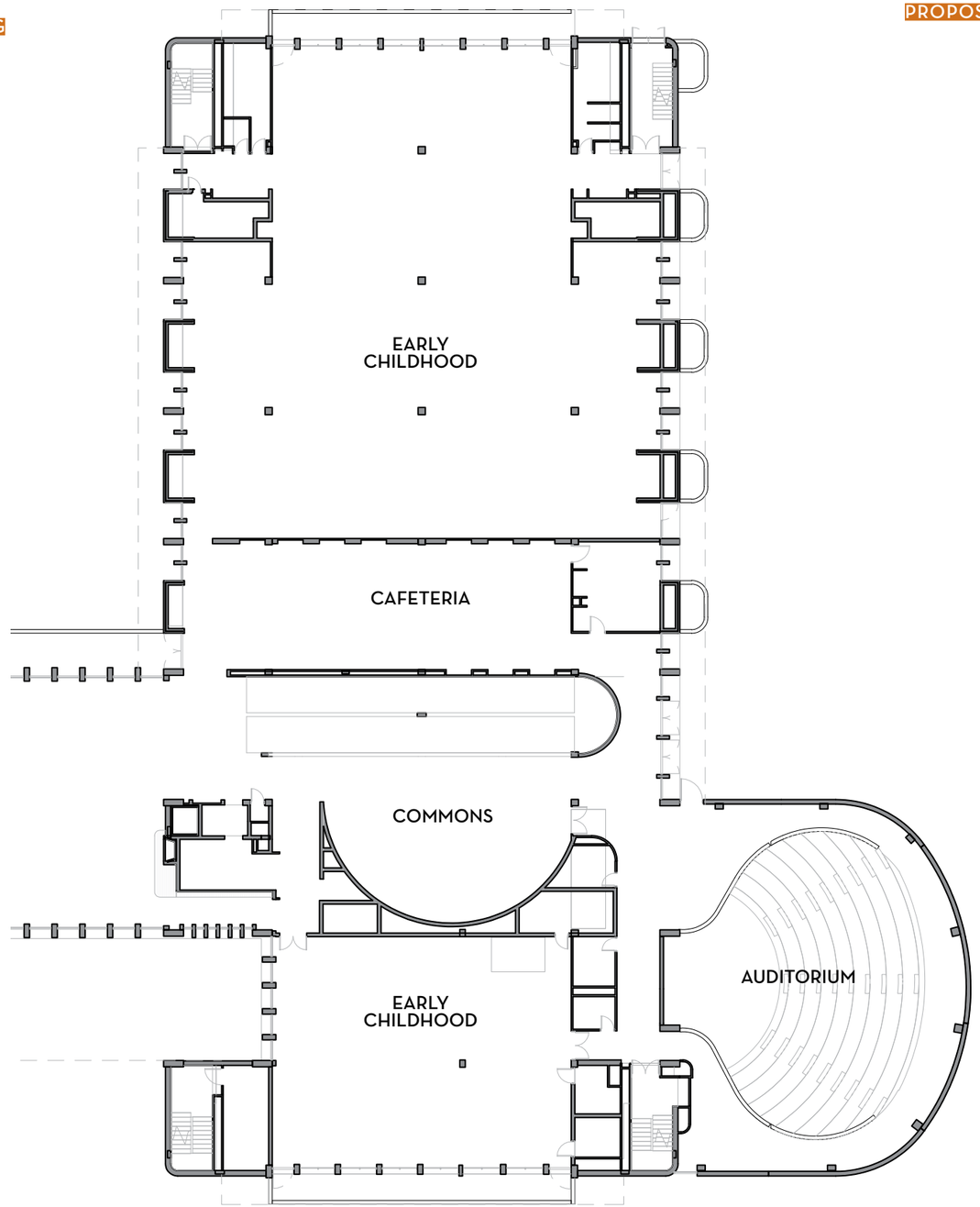




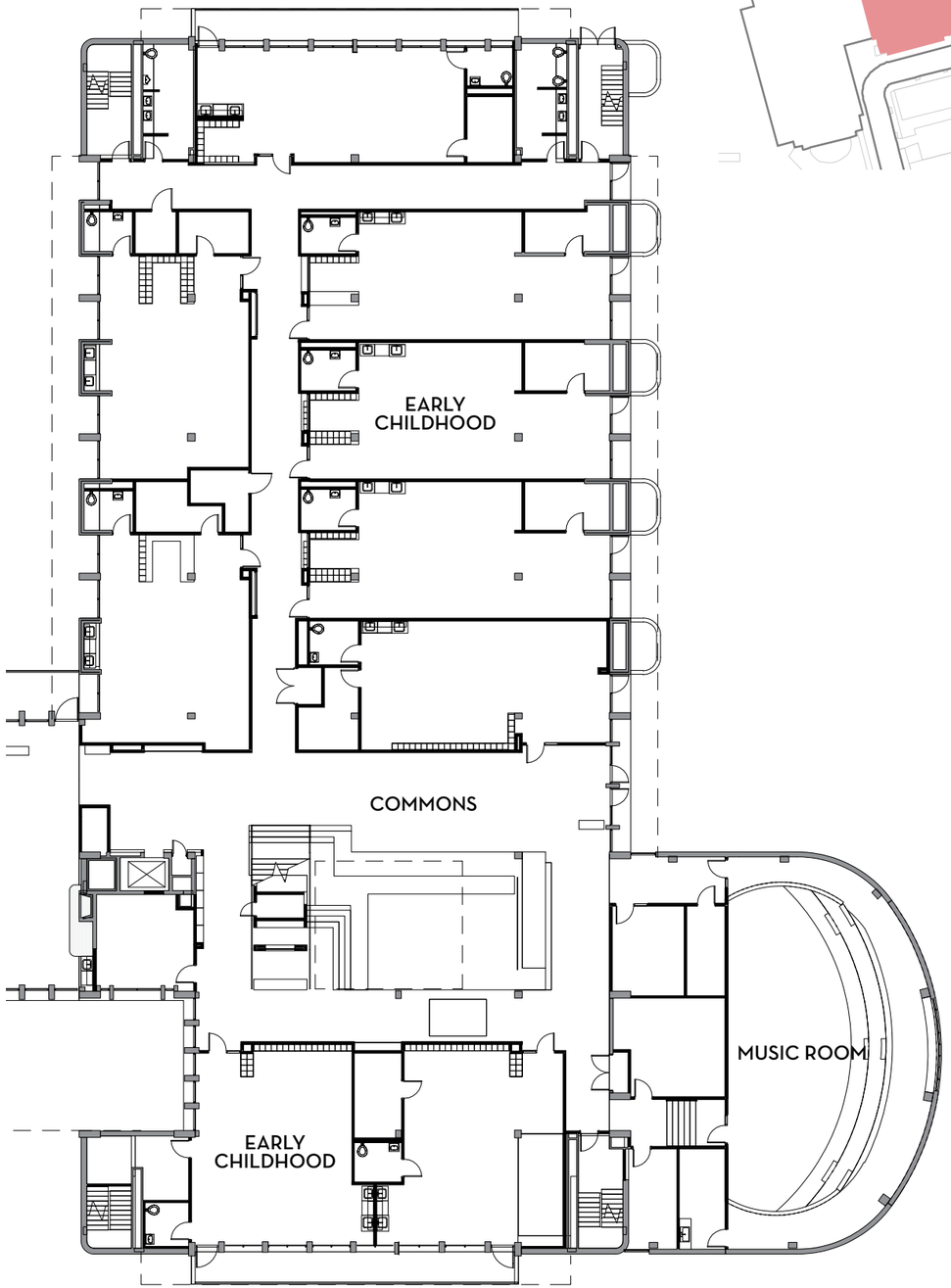
COMPARATIVE PLANS - LEVEL 3E LOWER SCHOOL



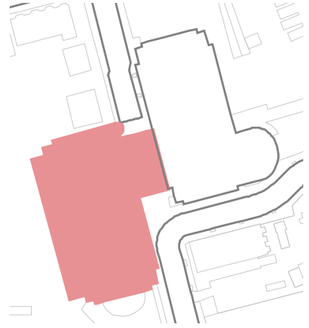
EXISTING



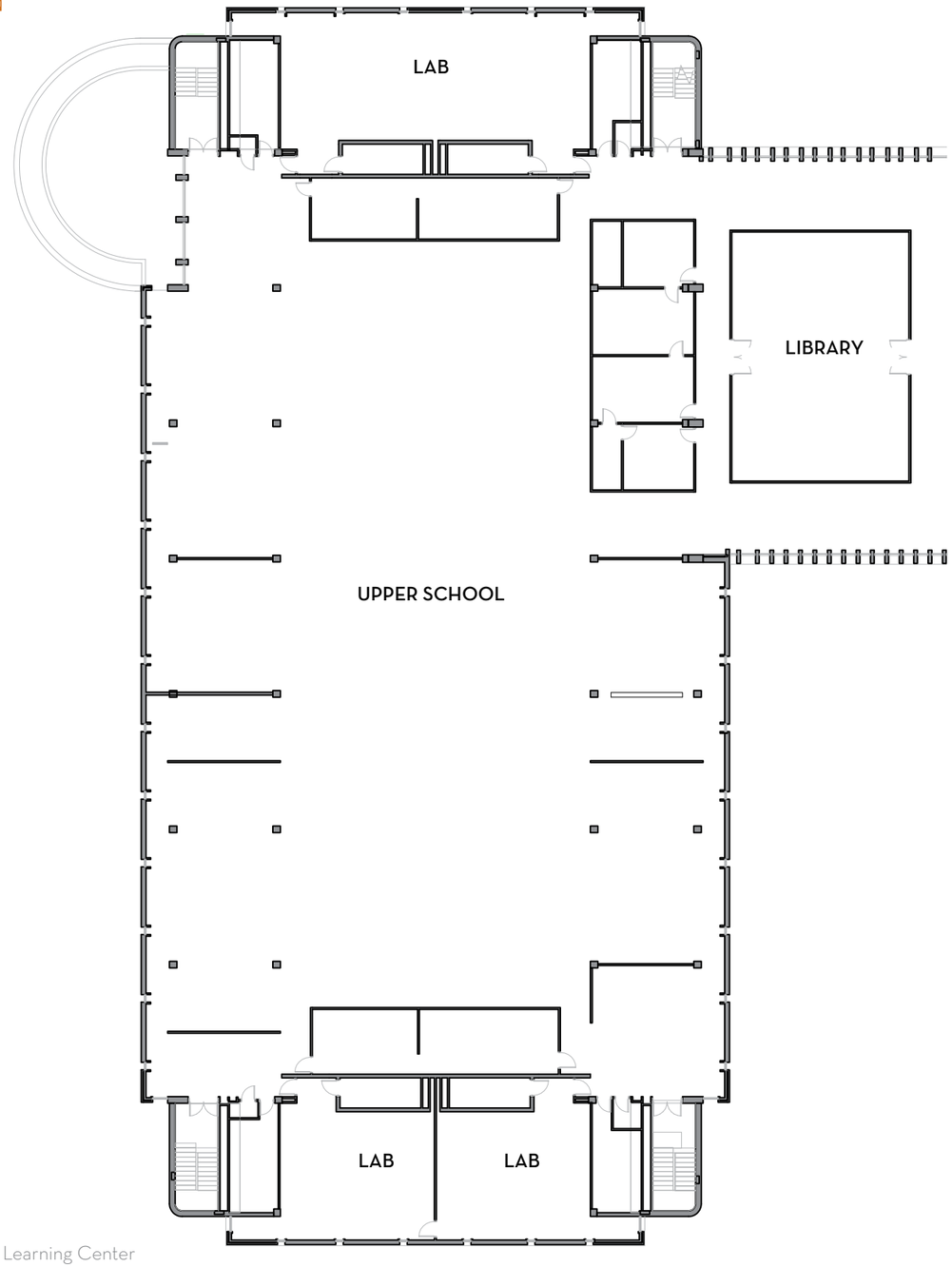
PROPOSED



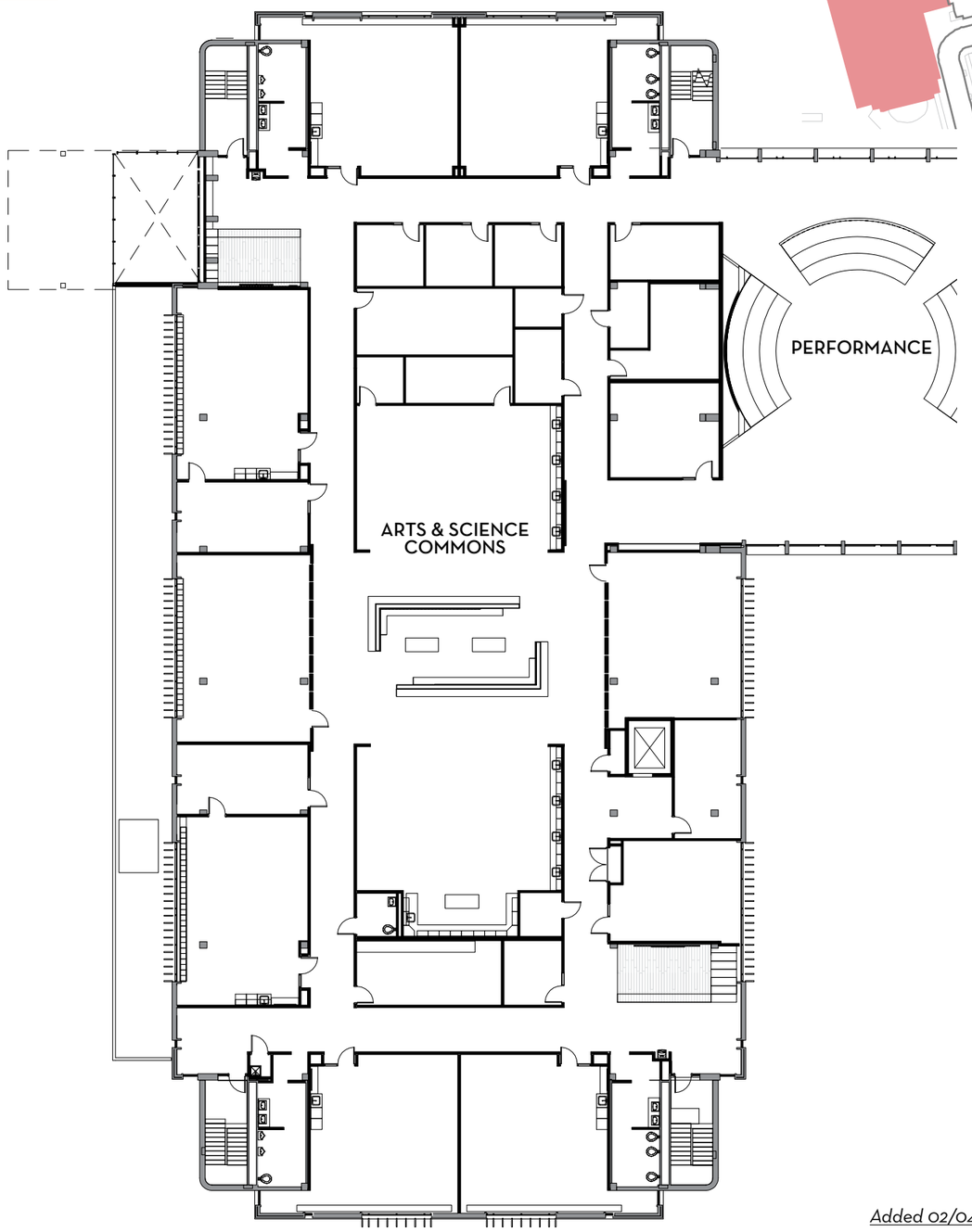
COMPARATIVE PLANS - LEVEL 4W UPPER SCHOOL



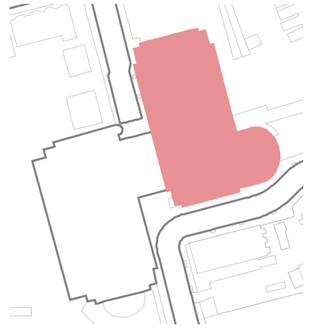
EXISTING



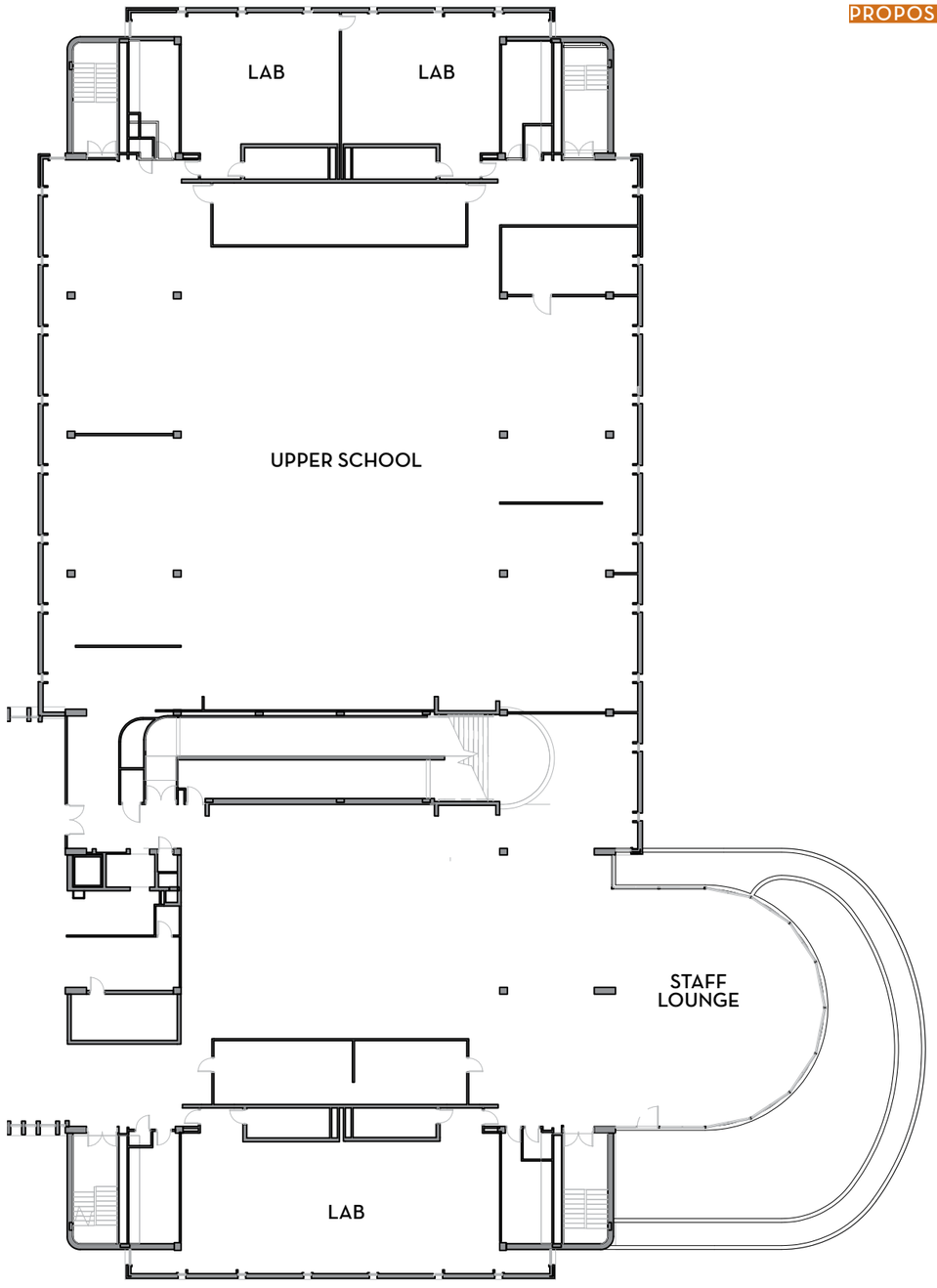
PROPOSED



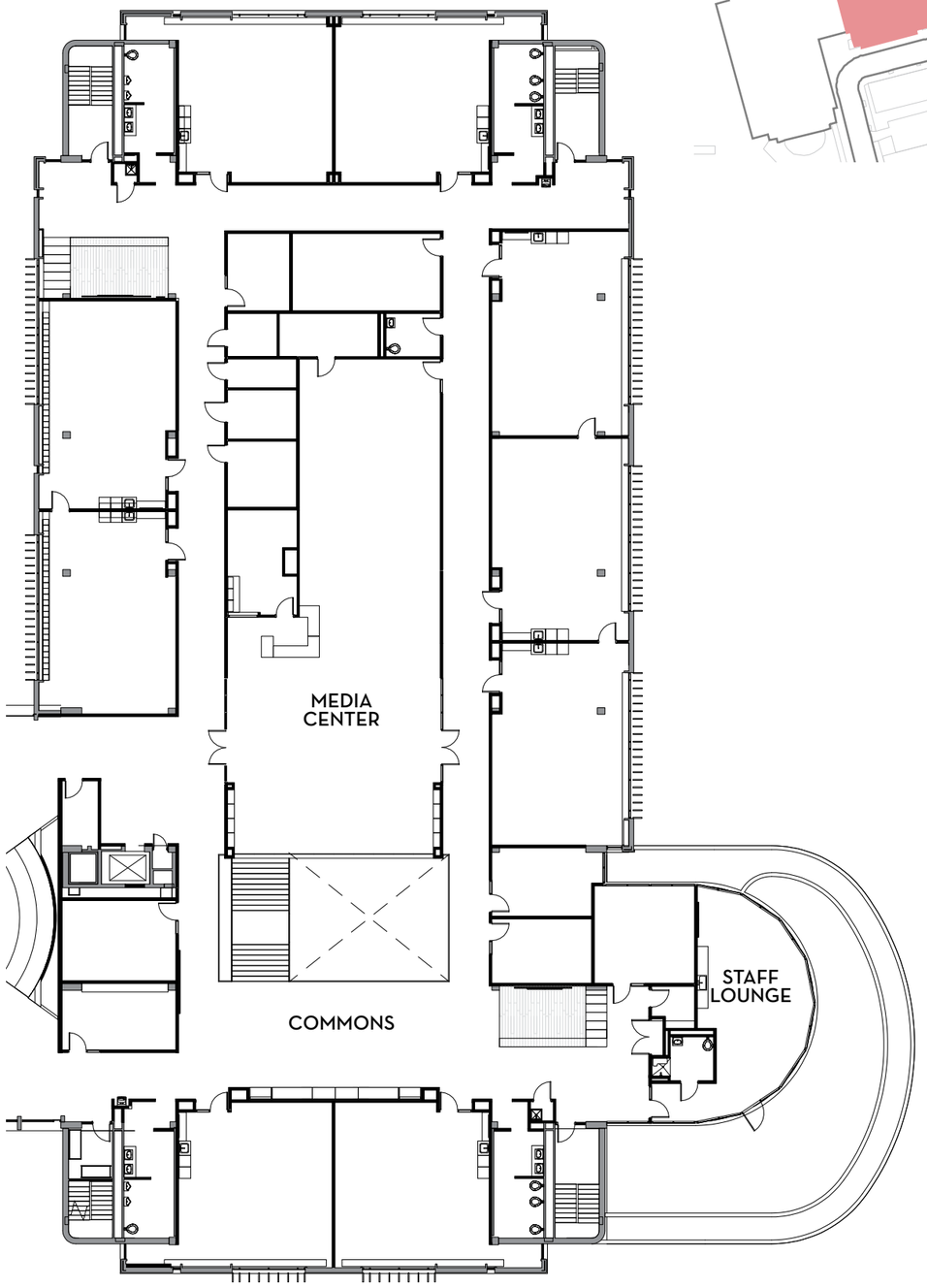
COMPARATIVE PLANS - LEVEL 4E UPPER SCHOOL



EXISTING



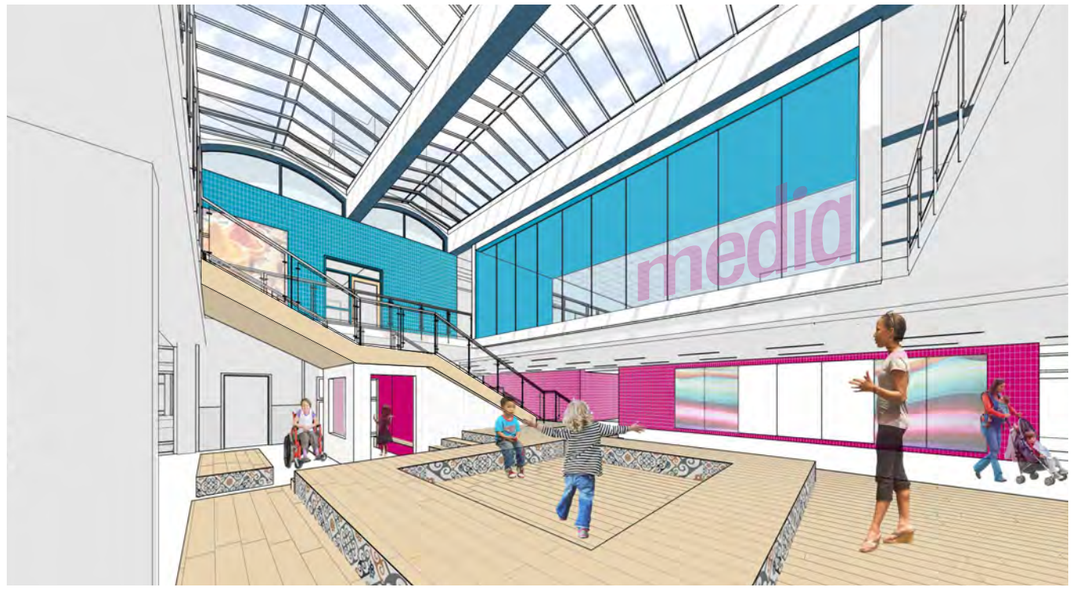
PROPOSED



KEY INTERIOR NODES

DCPS ENTRY

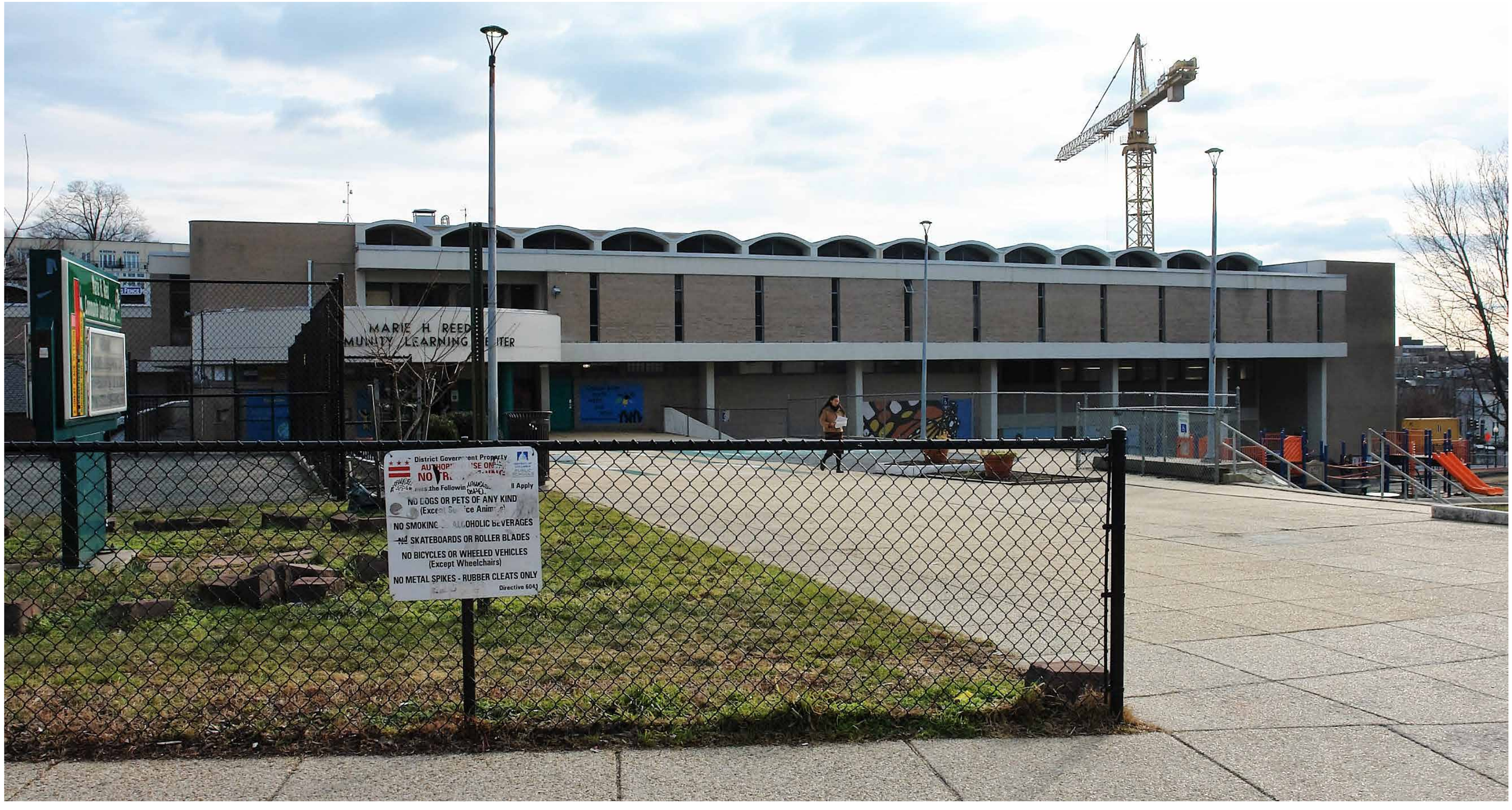
ARTS & SCIENCES COMMONS



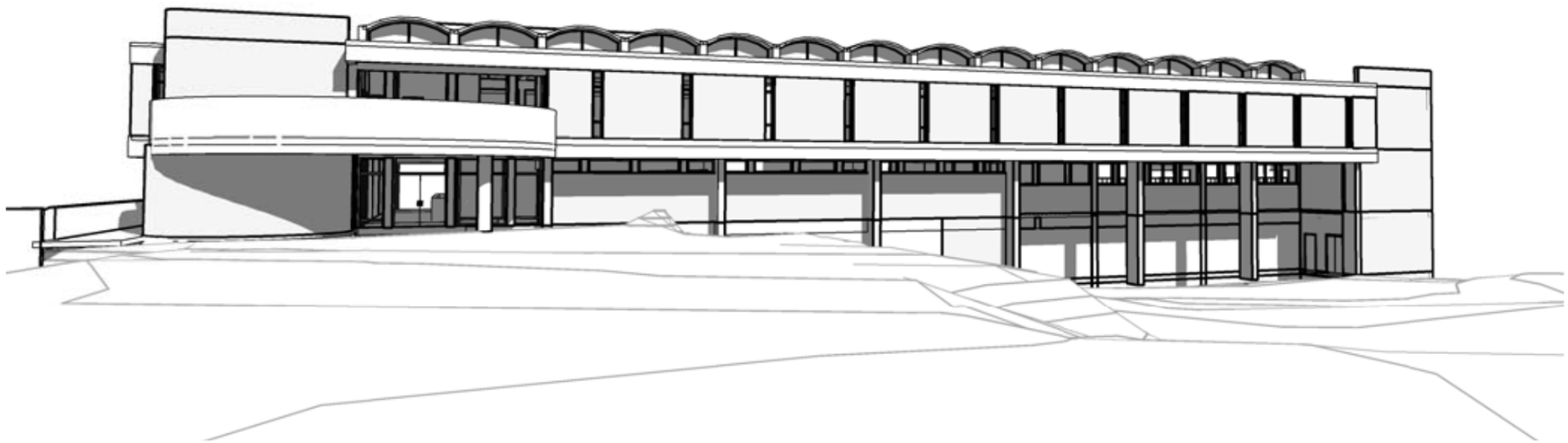
GRAND STAIR

AQUATICS CENTER

EXISTING VIEW FROM 18TH STREET



VIEW FROM 18TH ST



EXISTING

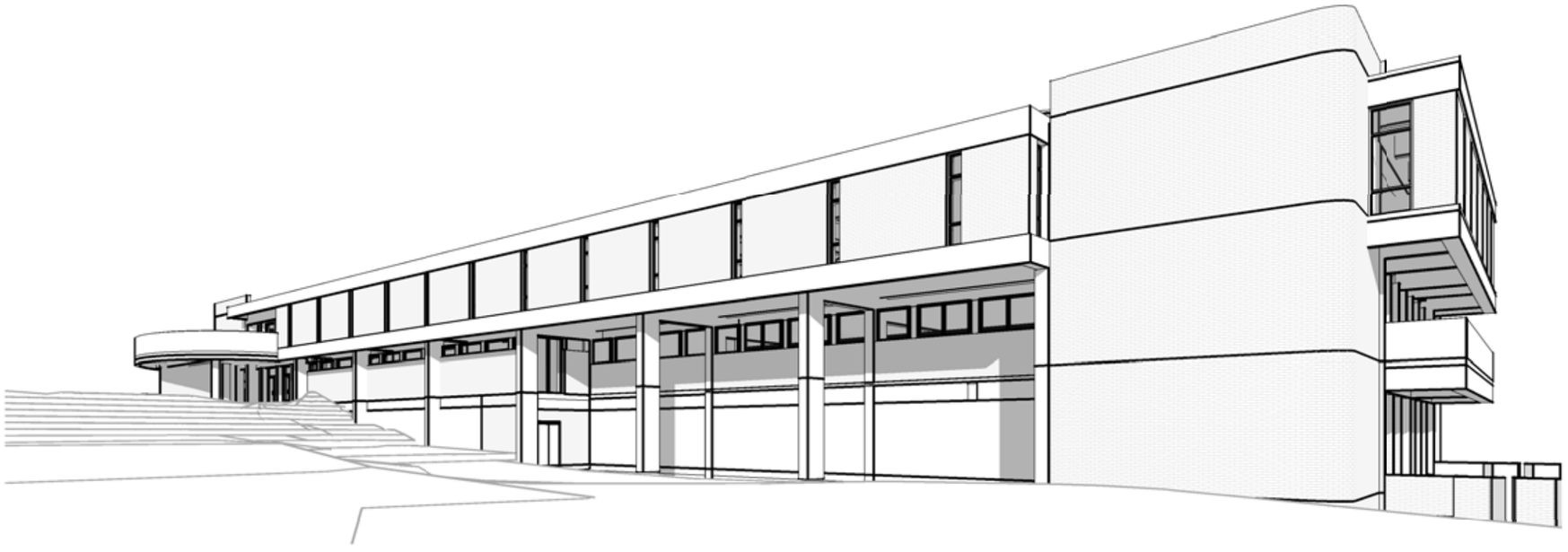
POST-DEMOLITION

PROPOSED VIEW FROM 18TH ST

PROPOSED

EXISTING VIEW OF WEST FACADE TERRACE

VIEW FROM DPR PLAZA



EXISTING

POST-DEMOLITION

VIEW FROM TENNIS COURTS

PERSPECTIVES & SITE PLAN RECAP

Marie H. Reed Community Learning Center
District of Columbia Public Schools