



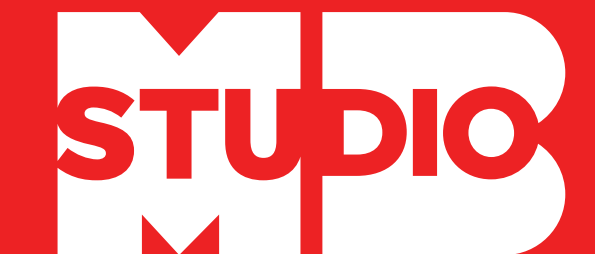
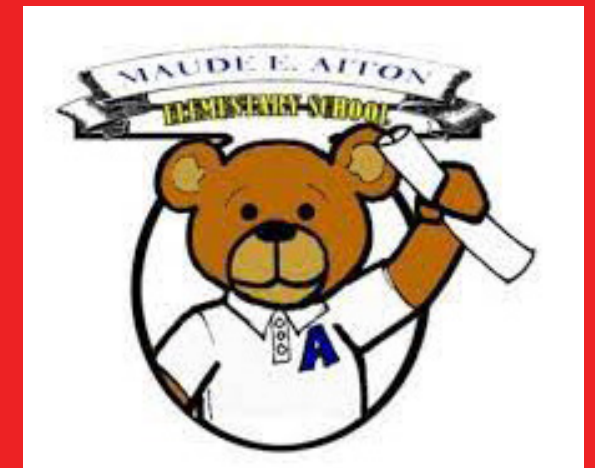
LORRAINE H. WHITLOCK ELEMENTARY

(FORMERLY AITON)

533 48TH PL NE, WASHINGTON, D.C.

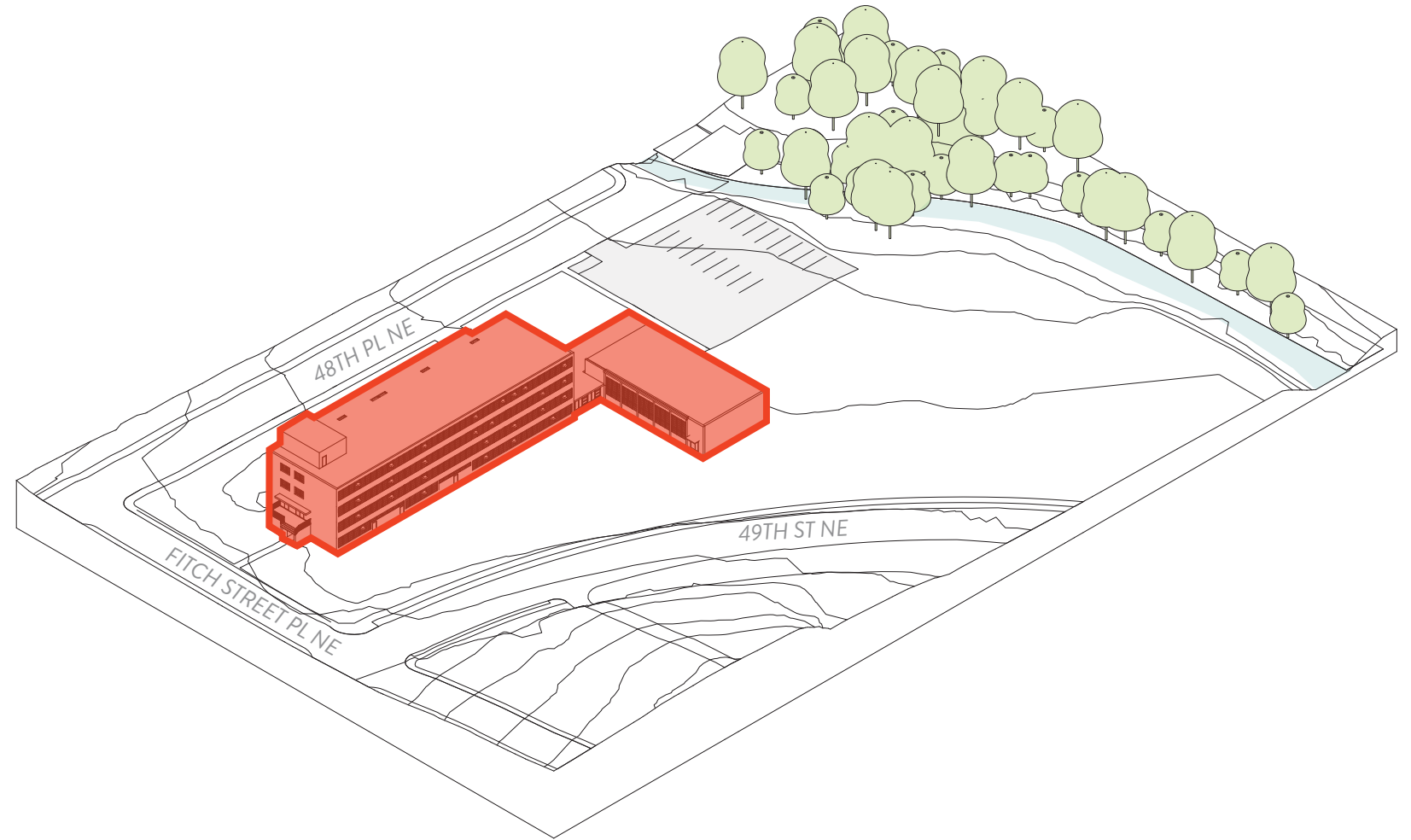
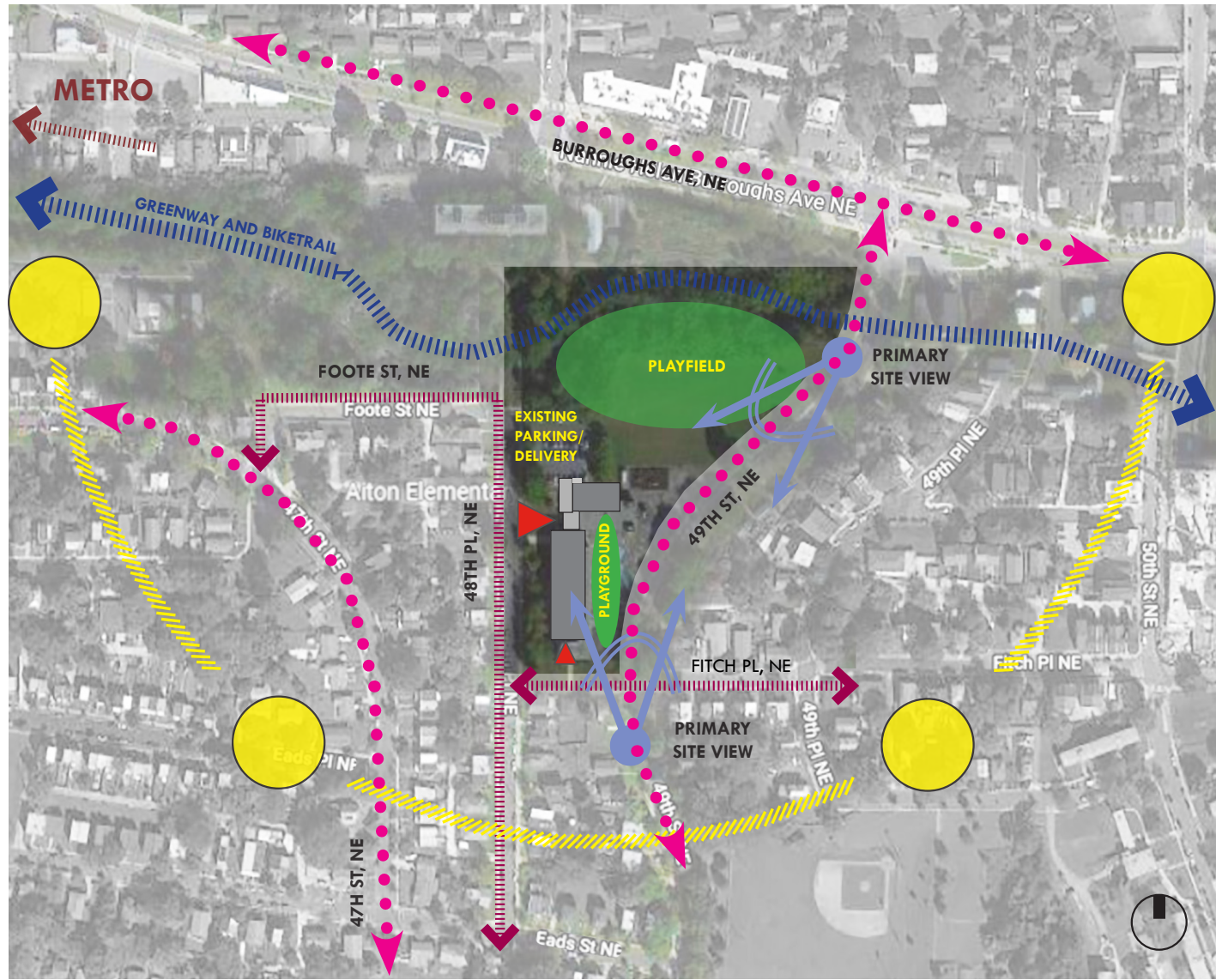
COMMISSION OF FINE ARTS (CFA) CONCEPT REVIEW

15 SEPTEMBER 2022





1 OBSERVATIONS : SITE LOCATION



Understated entry toward residential scale of 48th Pl, NE. This faces a narrow residential street and may contribute to traffic congestion at pickup and dropoff.



Secondary entry at Fitch Pl, NE. 1 story above main entry and cuts the "bowl" of the site into 2 zones.

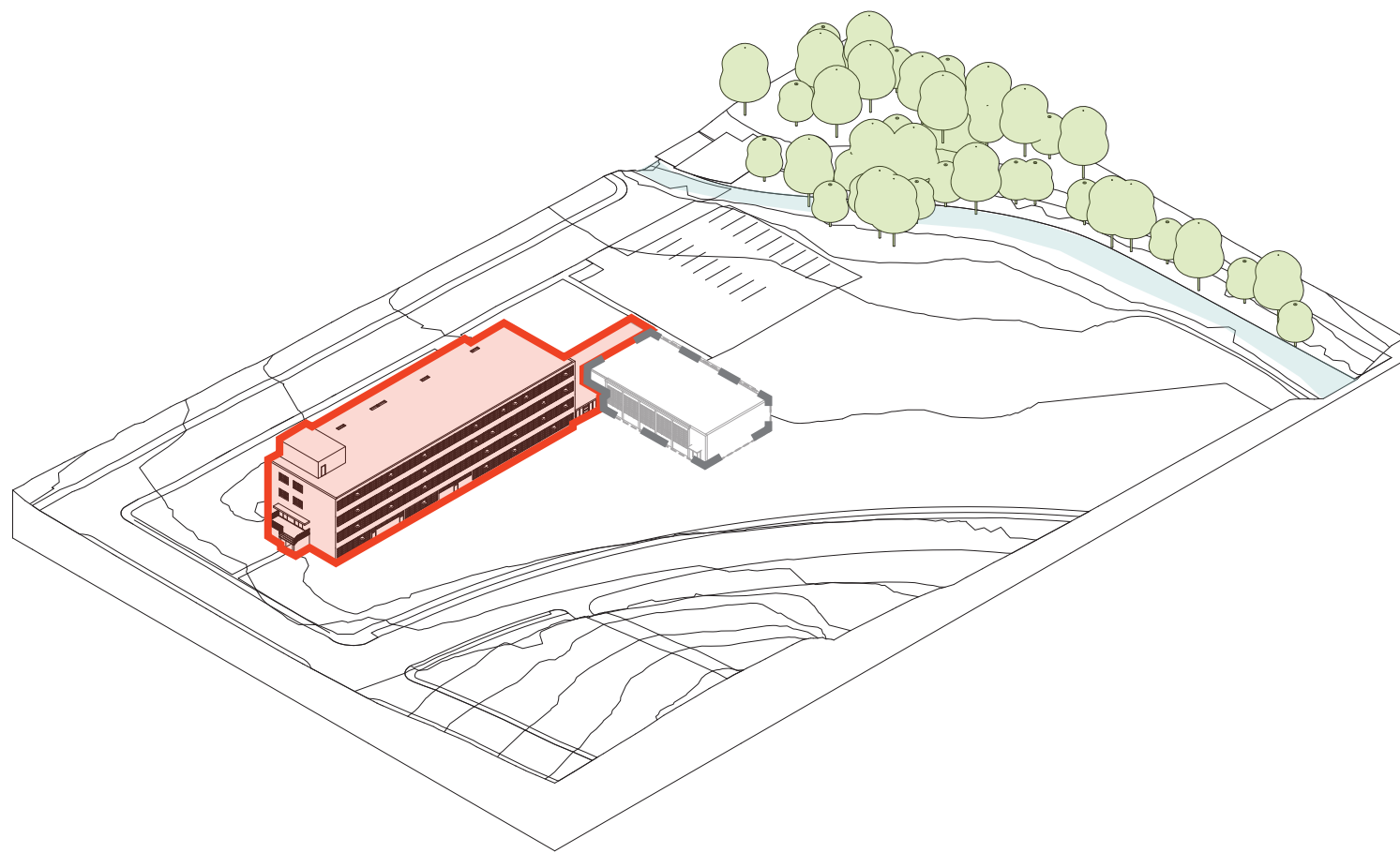


Tree lined sidewalk at 49th St, NE allows for visual connection between school and neighborhood.

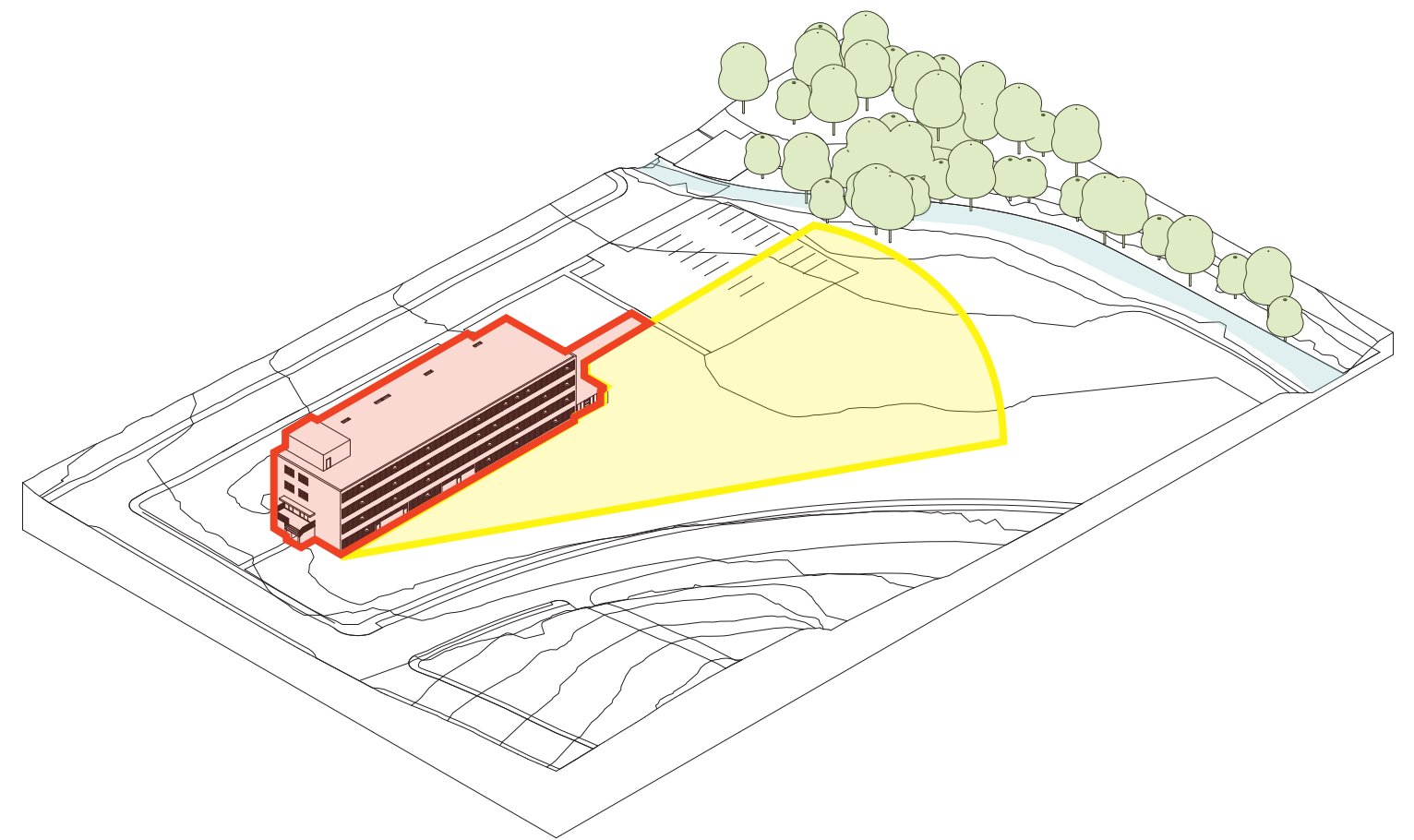


Existing approach view from the north along 49th St, NE.

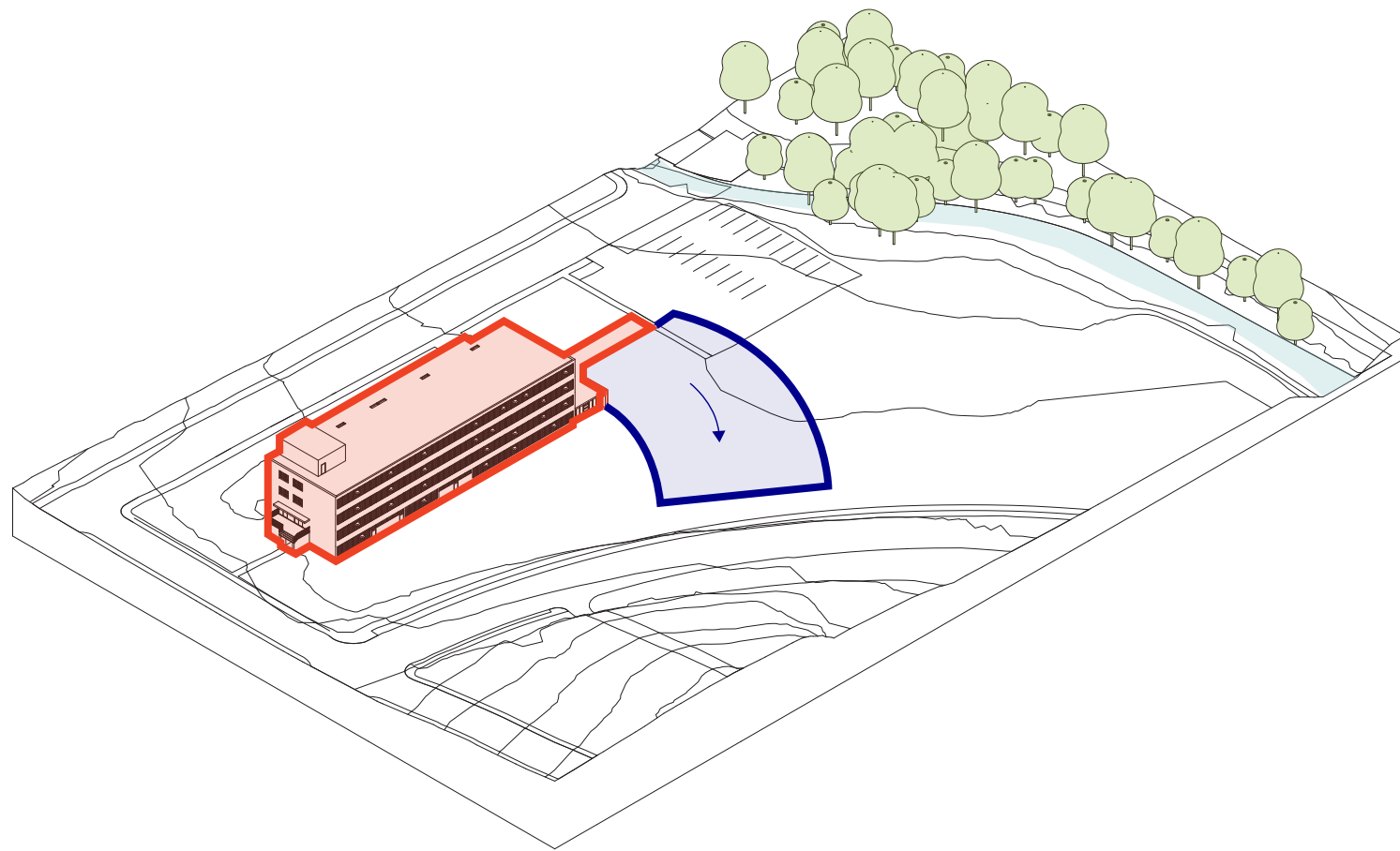
1 OBSERVATIONS : EXISTING CONDITIONS



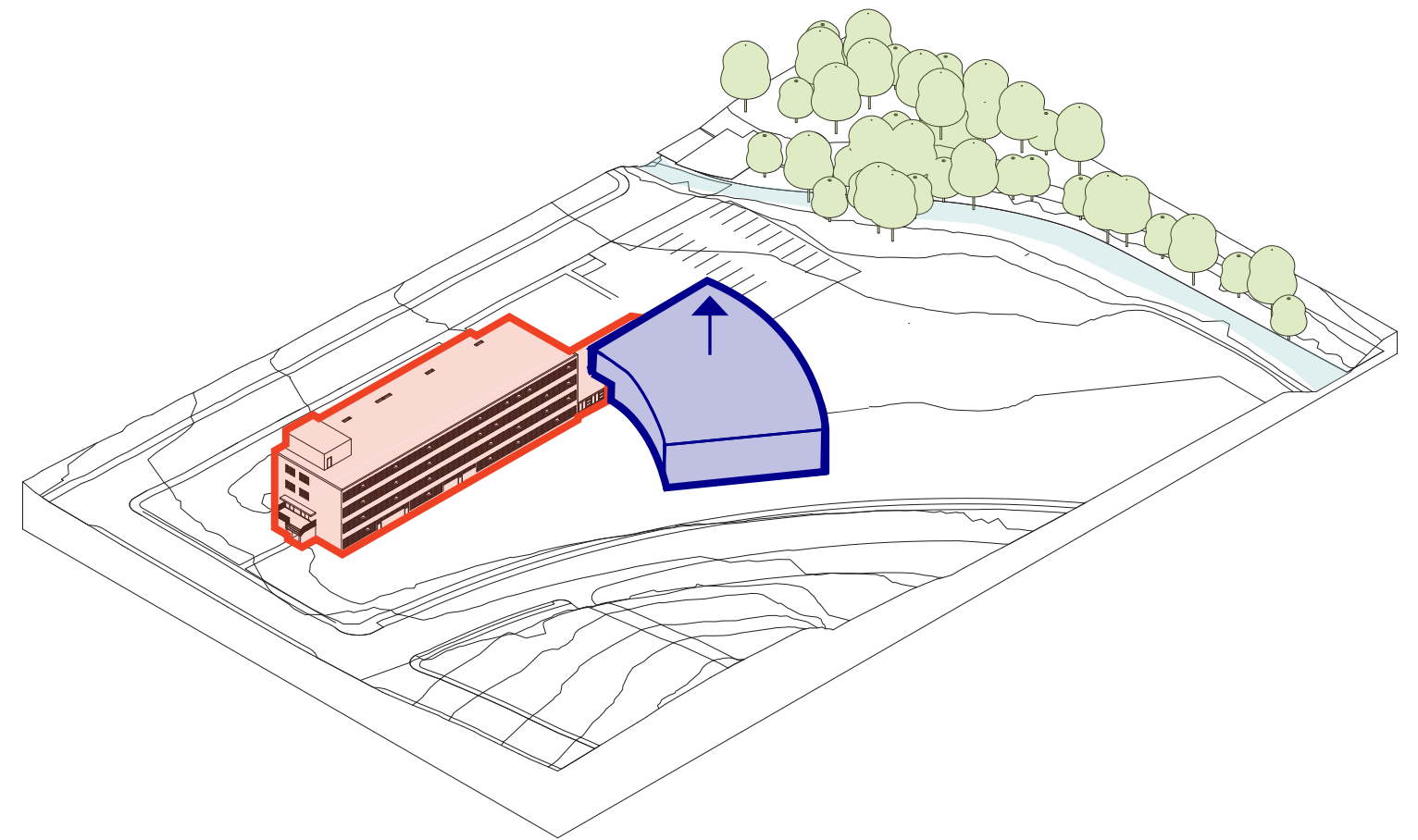
STEP 1 : PRESERVE EXISTING CHARACTER DEFINING FEATURES



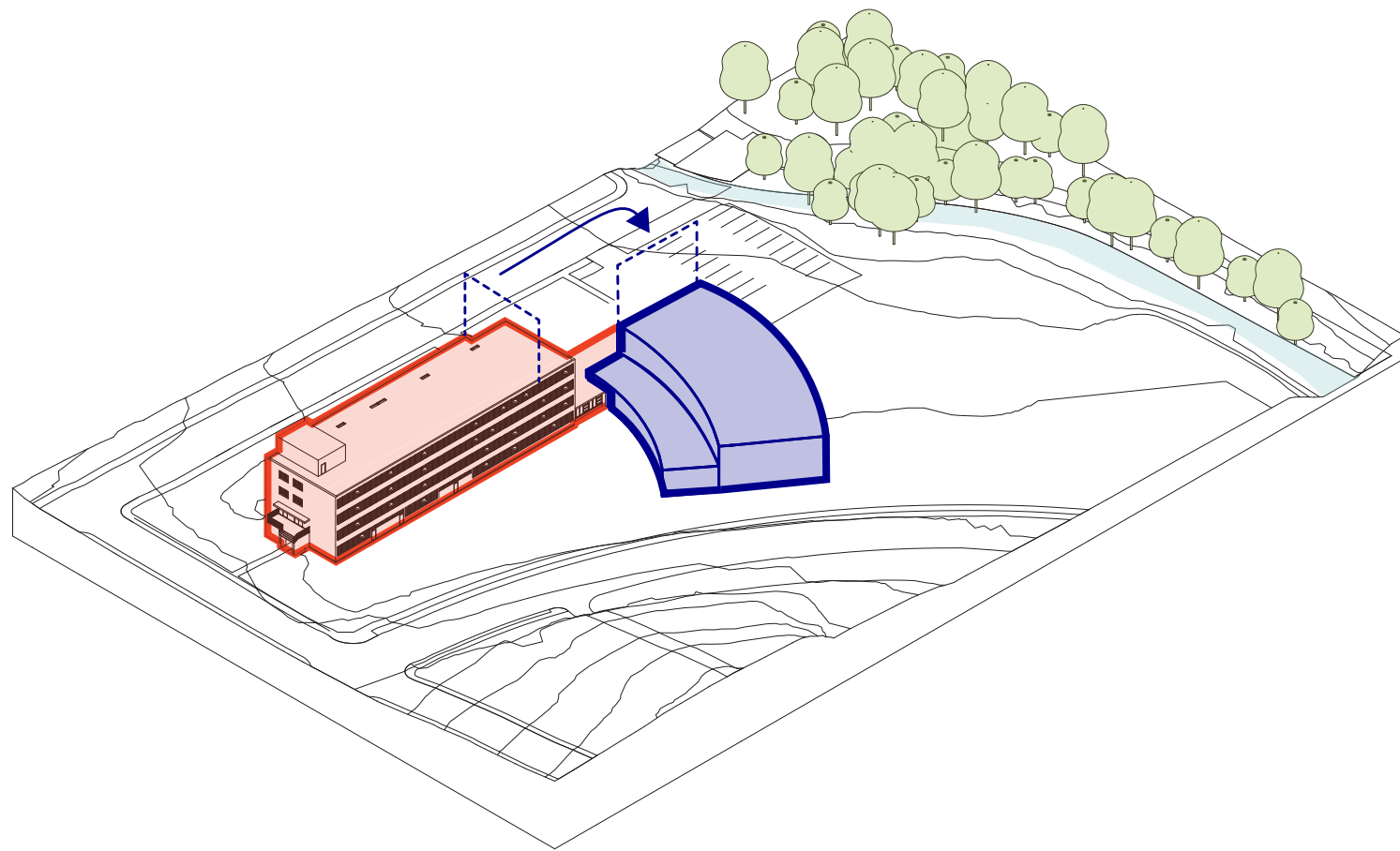
STEP 2 : REORIENT BUILDING AND SITE TO BETTER LINK WITH CONTEXT



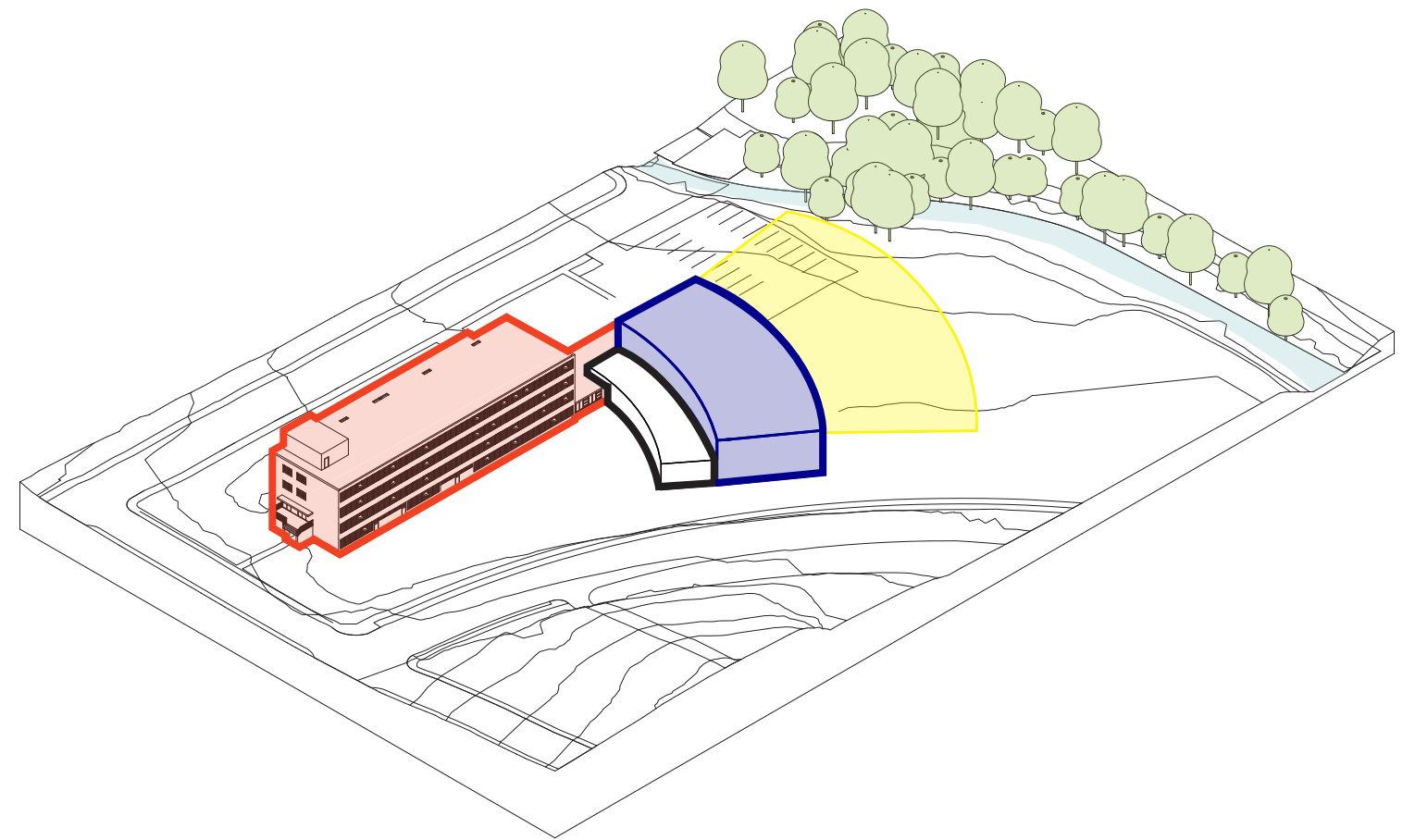
STEP 3 : LOCATE COMMON USE SPACES TO ENGAGE WITH SITE AND NEIGHBORHOOD EDGE



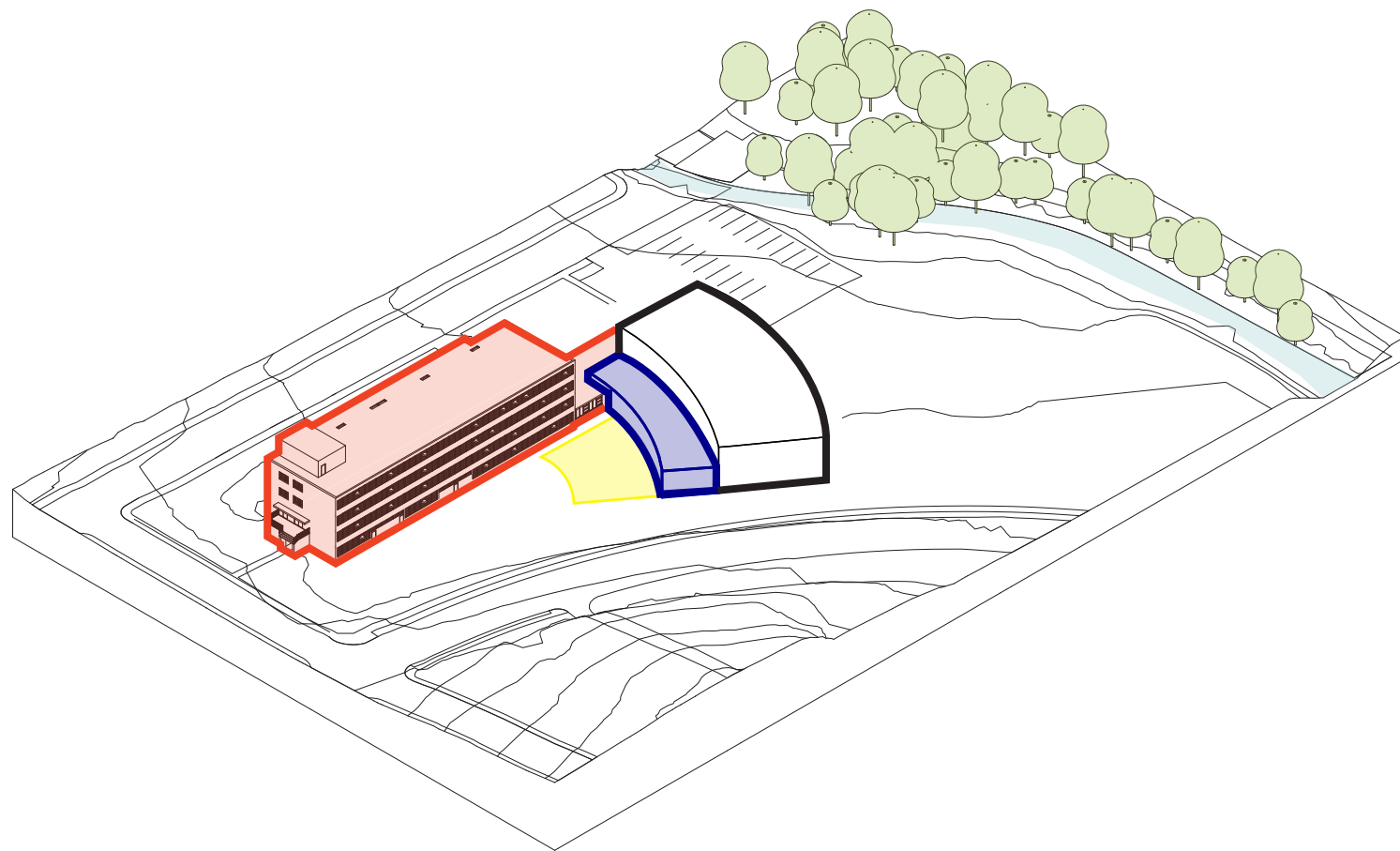
STEP 4 : EXTRUDE THE MASS TO FIT THE PROGRAM



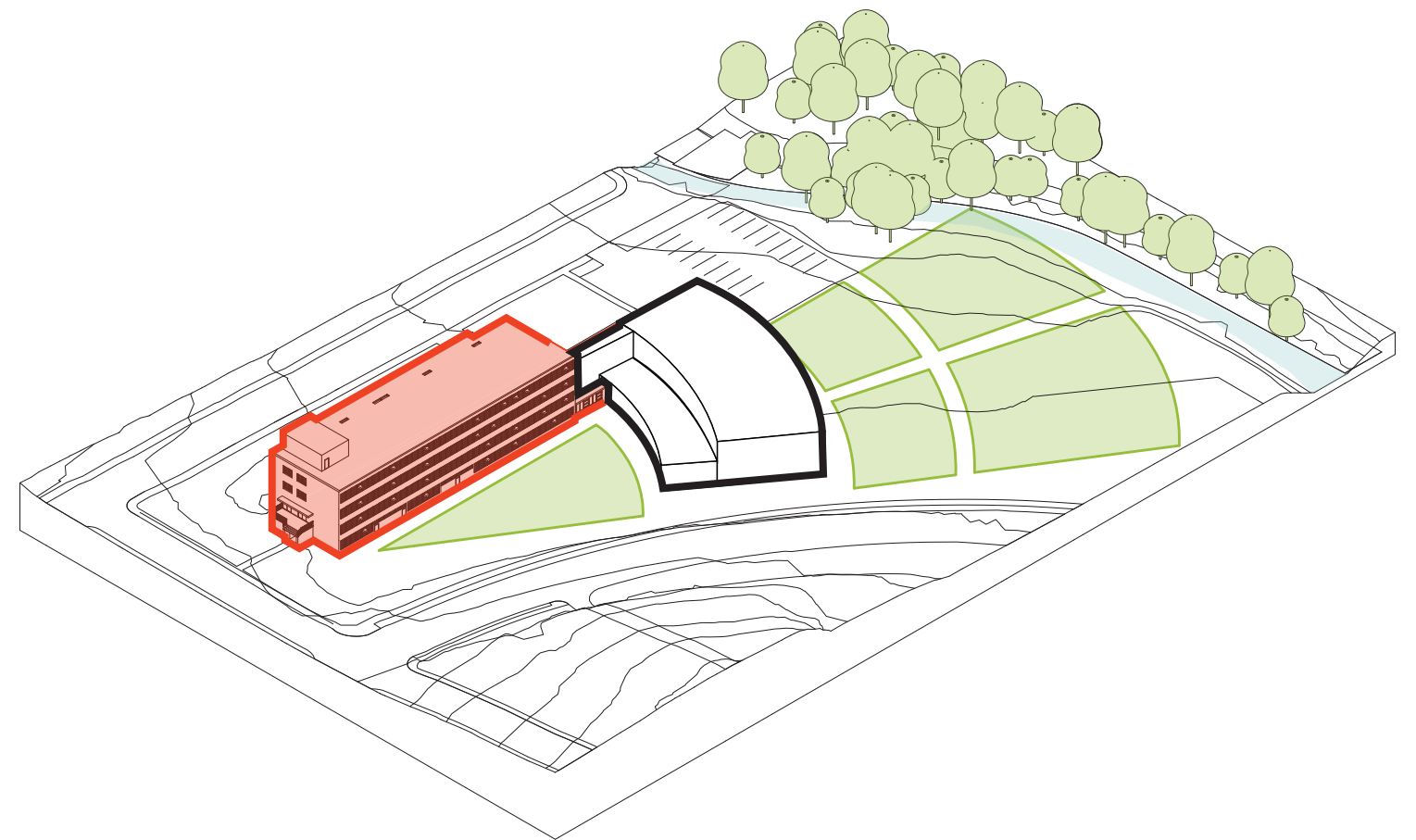
STEP 5 : RETAIN WIDTH OF EXISTING BY PUSHING DOWN EXCESS MASSING TO EXISTING LOBBY HEIGHT



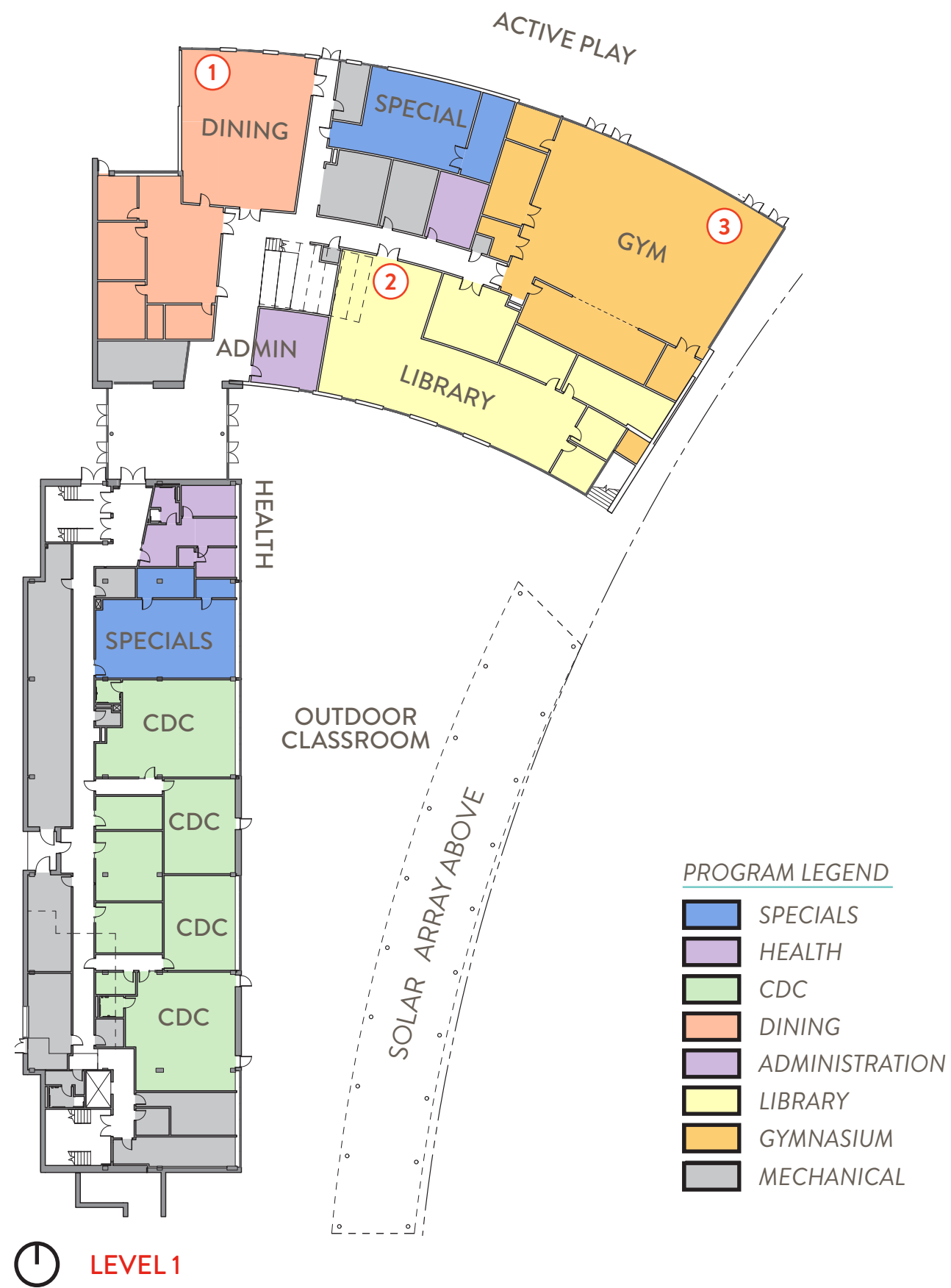
STEP 6 : GYM AND CAFETERIA OPEN TO NORTH AND CIVIC ENTRANCE



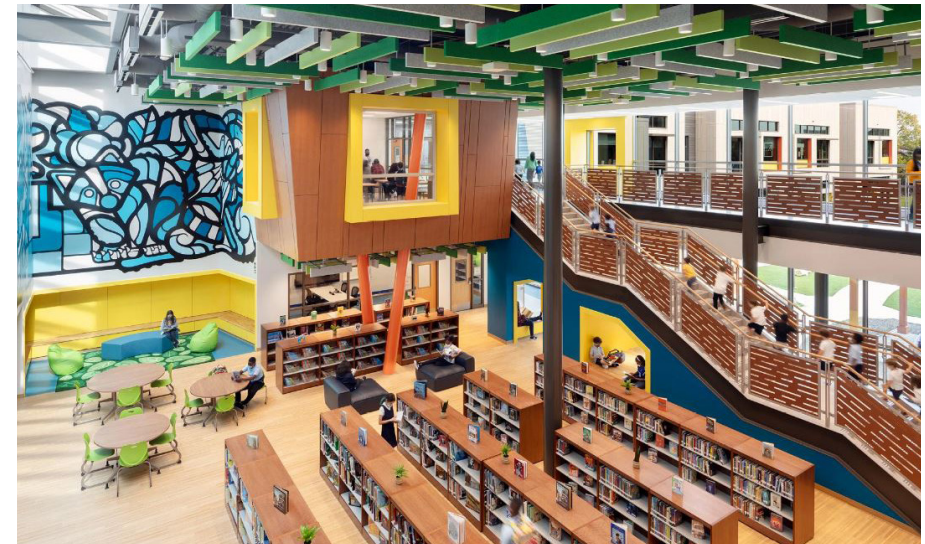
STEP 7 : LIBRARY ACCESSES OUTDOOR CLASSROOM AND BOWL



STEP 8 : LINK BUILDING TO SITE THROUGH IMPROVED LANDSCAPES



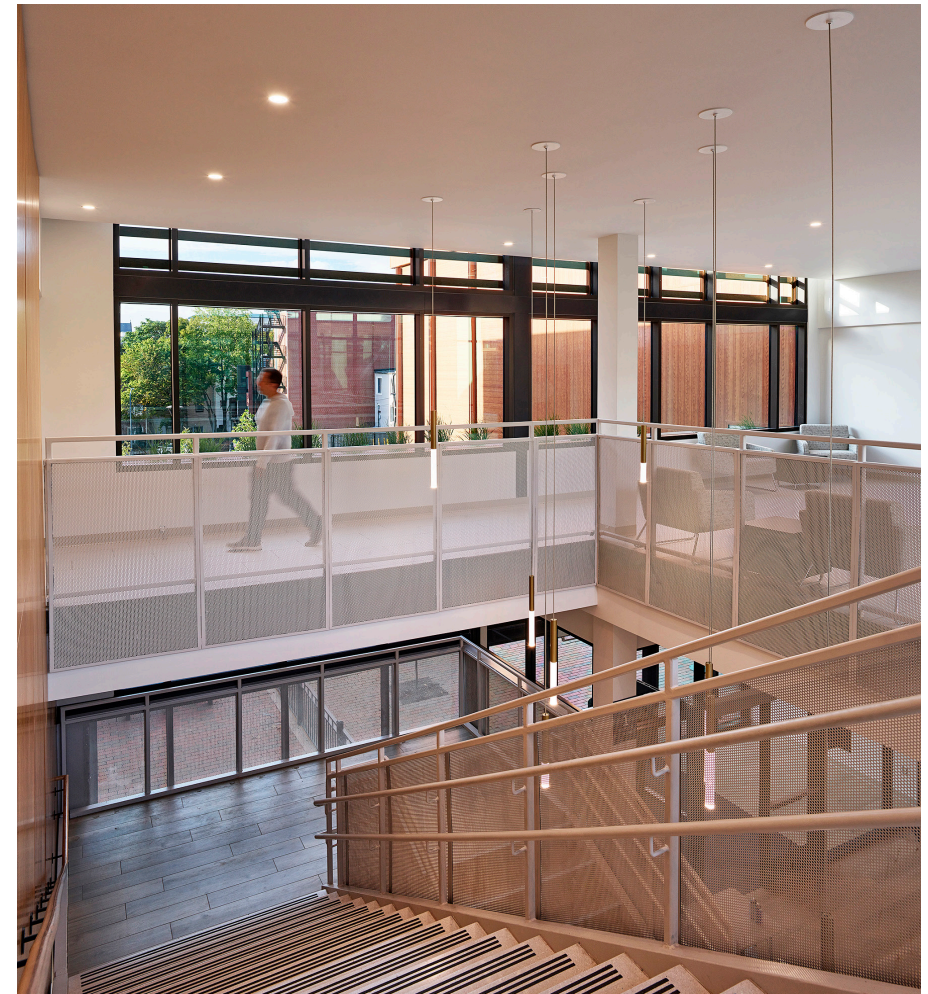
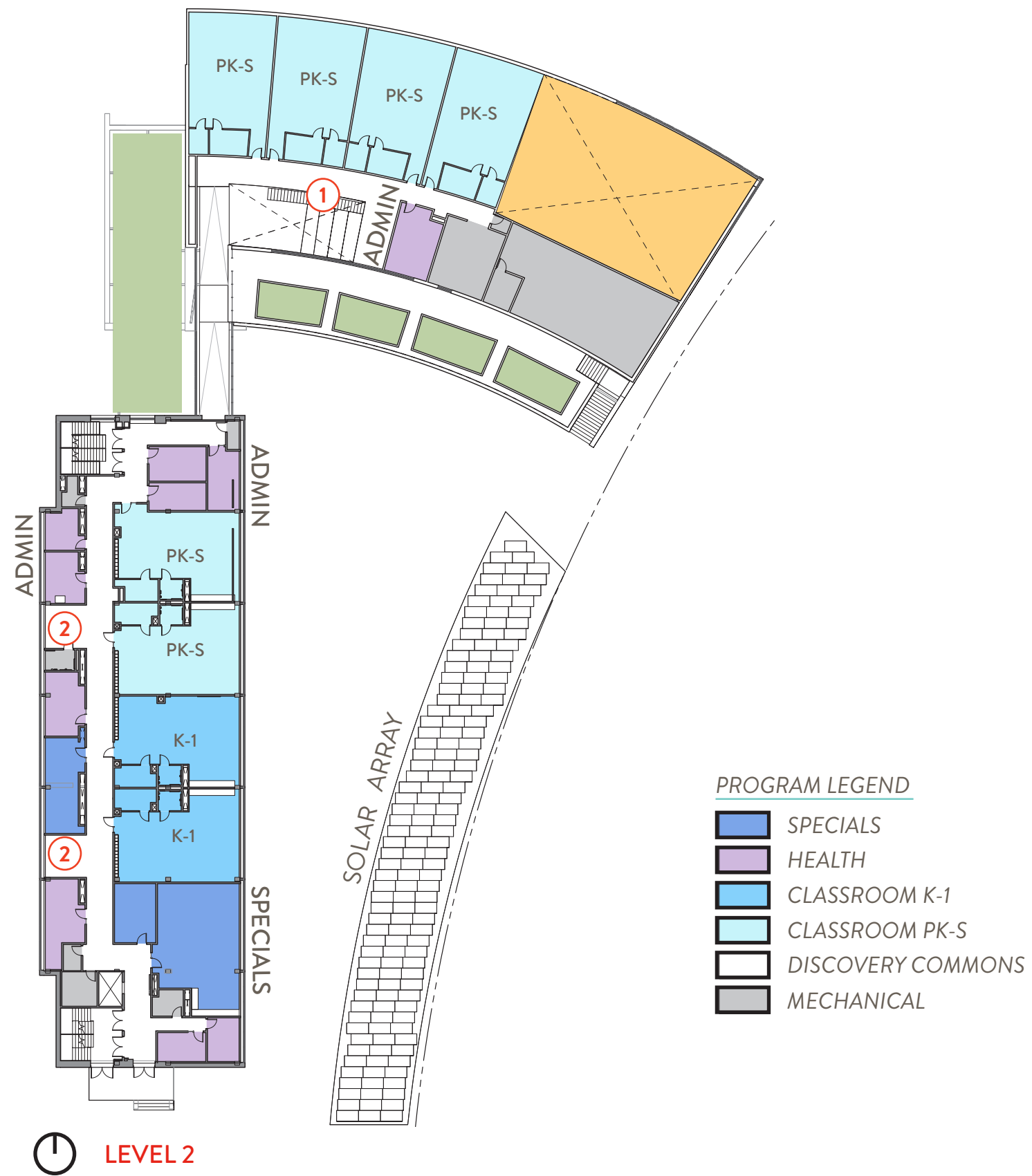
1. Dining Space with views to nature



2. Library open to circulation to create connectivity



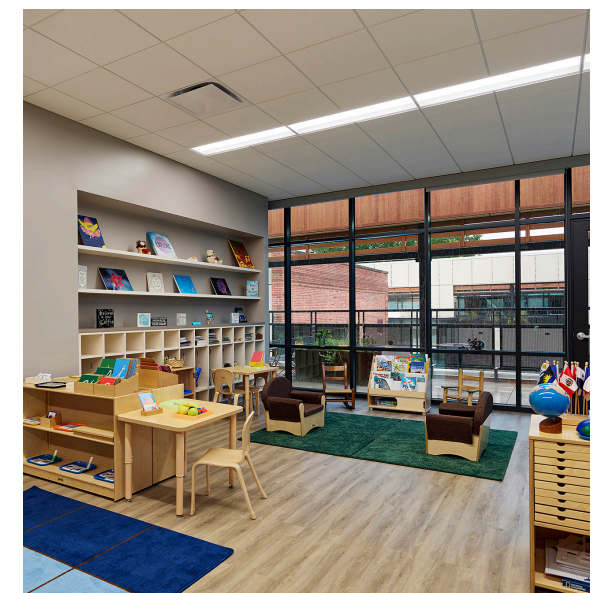
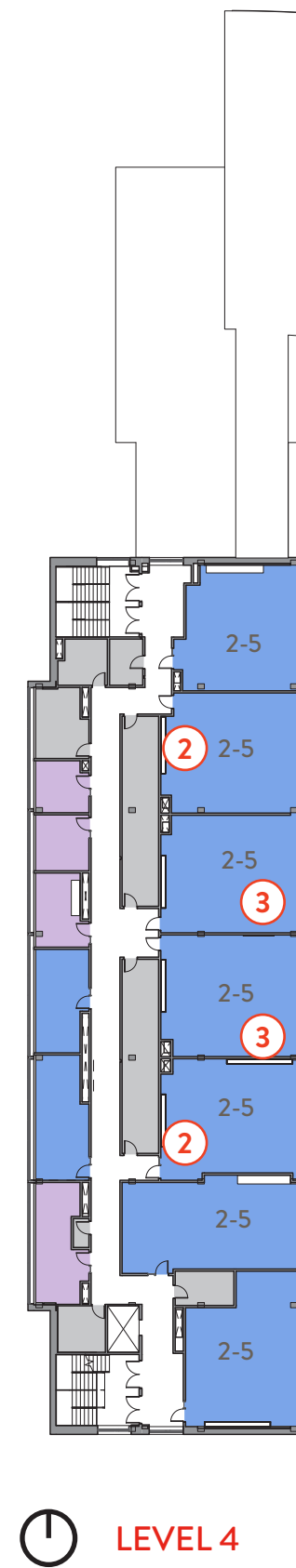
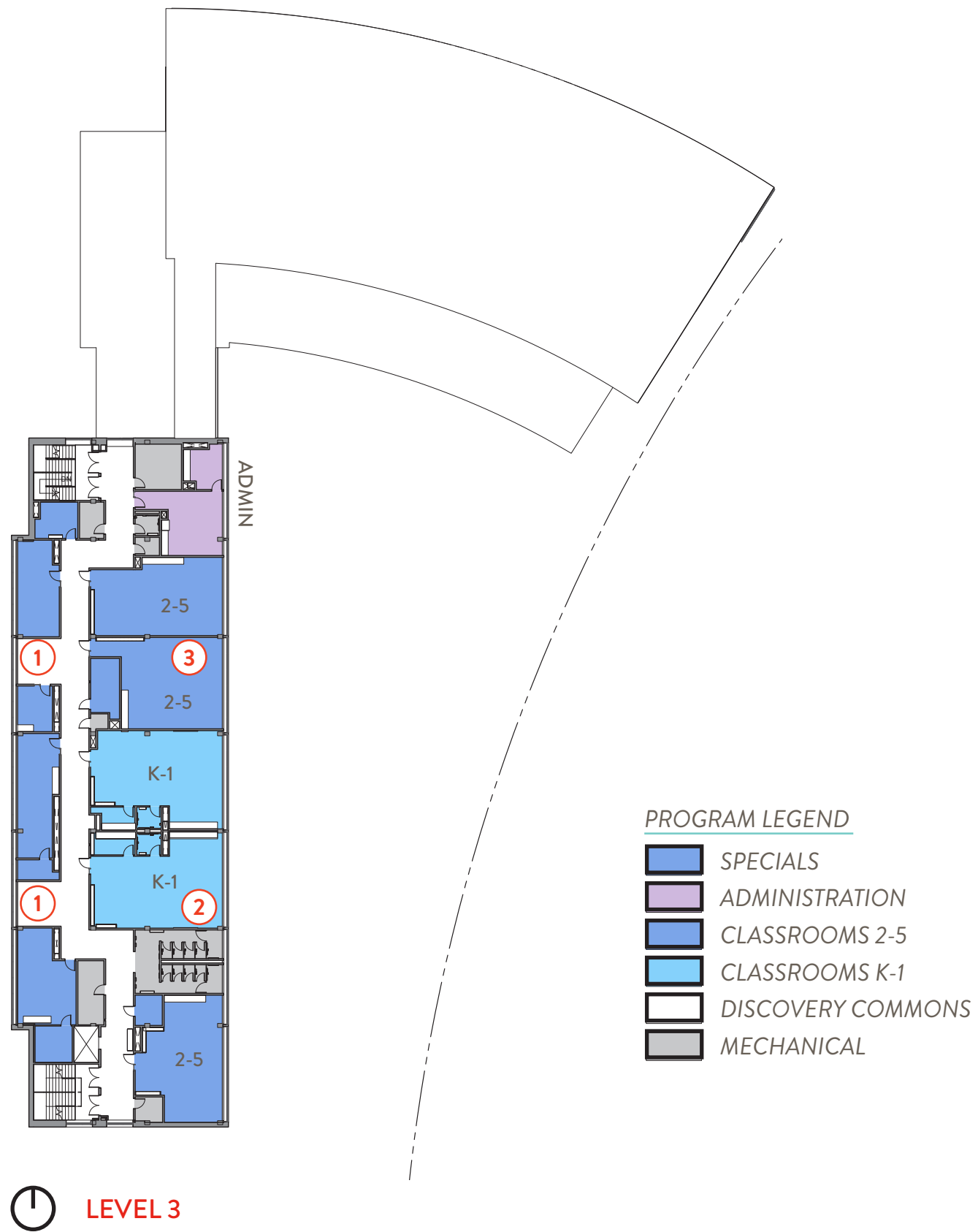
3. Gym with natural materials and large clerestory windows

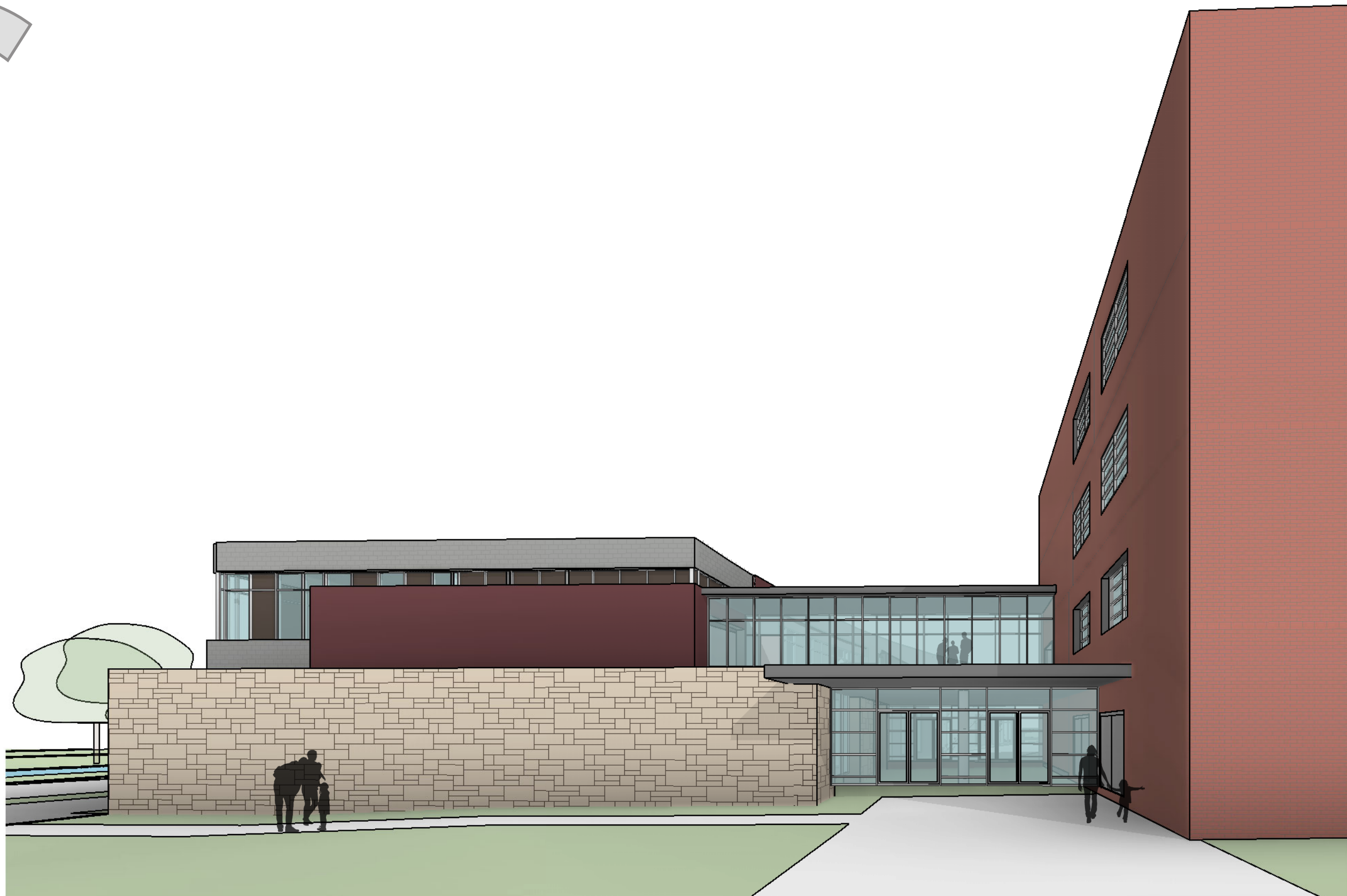
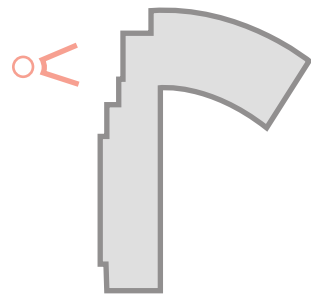


1. Bright, multi-level Lobby and Discovery Commons

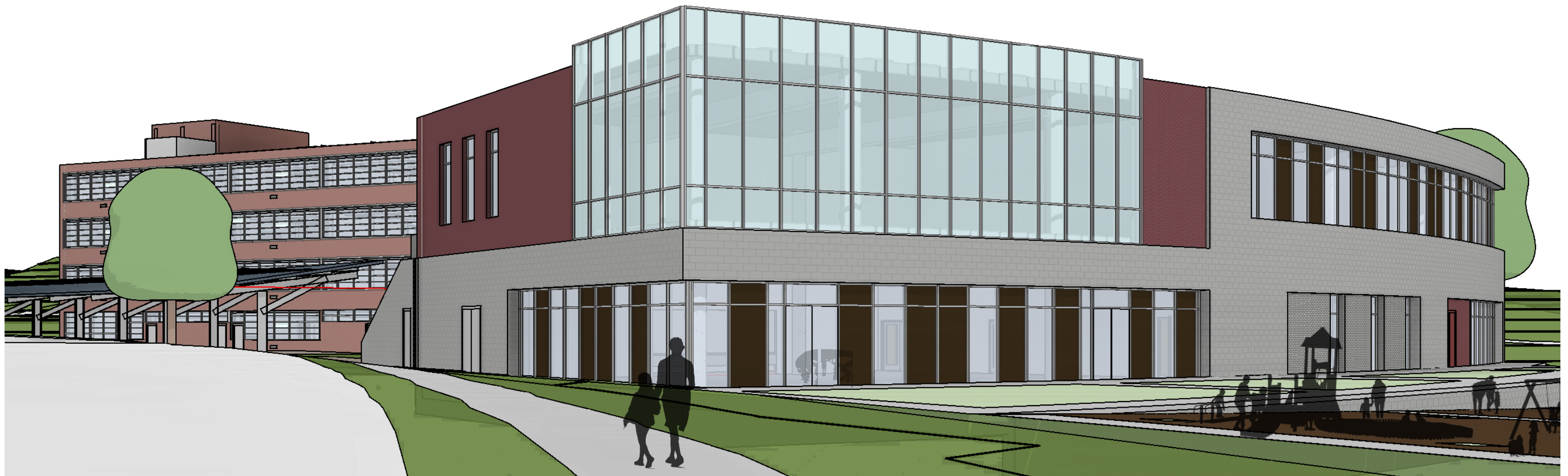
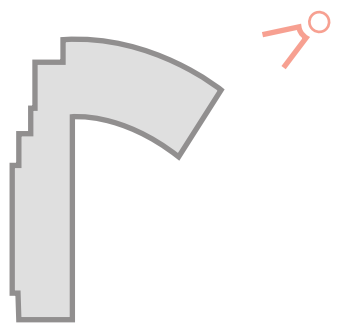


2. Light filled breakout spaces

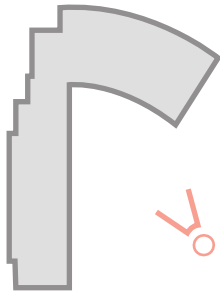




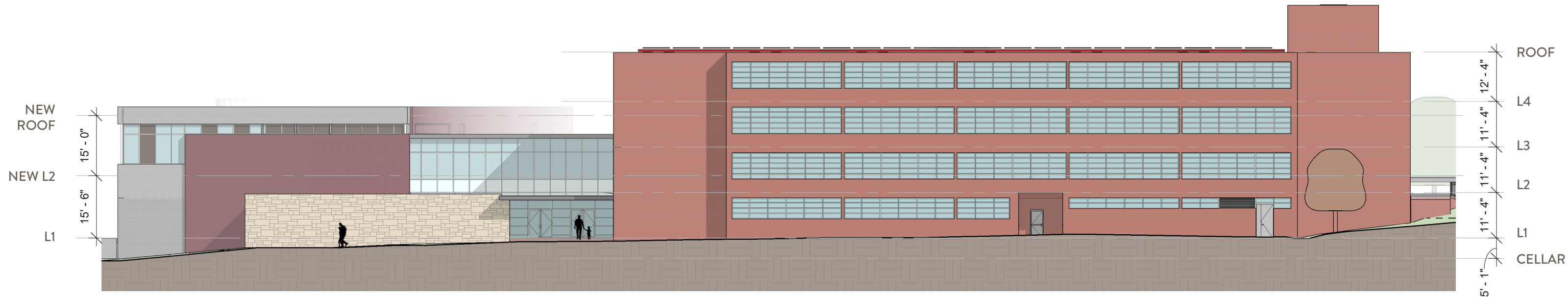
2 PERSPECTIVE 1 : PRIMARY ENTRANCE - PREVIOUS CONCEPT



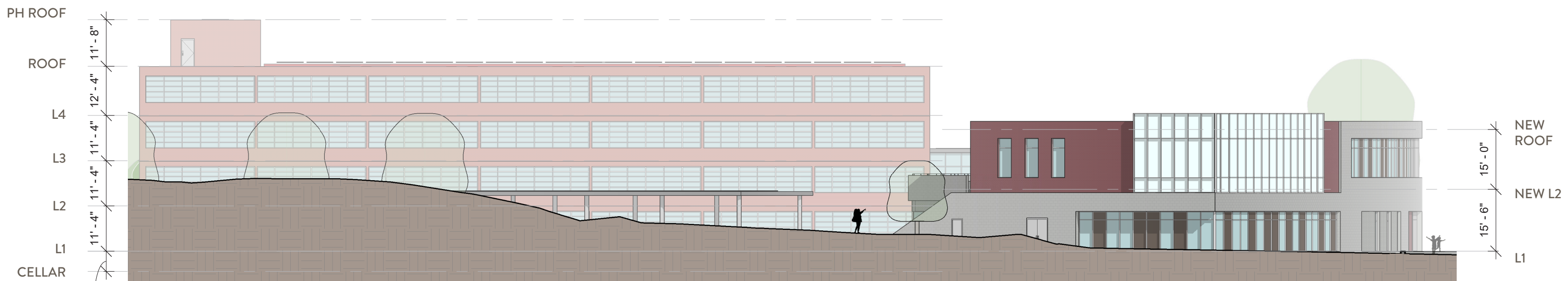
2 PERSPECTIVE 2 : NORTHEAST VIEW - PREVIOUS CONCEPT



2 PERSPECTIVE 3 : SOUTHEAST VIEW - PREVIOUS CONCEPT



2 | WEST ELEVATION



1 | EAST ELEVATION

2 ELEVATIONS - PREVIOUS CONCEPT





2 ELEVATIONS - PREVIOUS CONCEPT

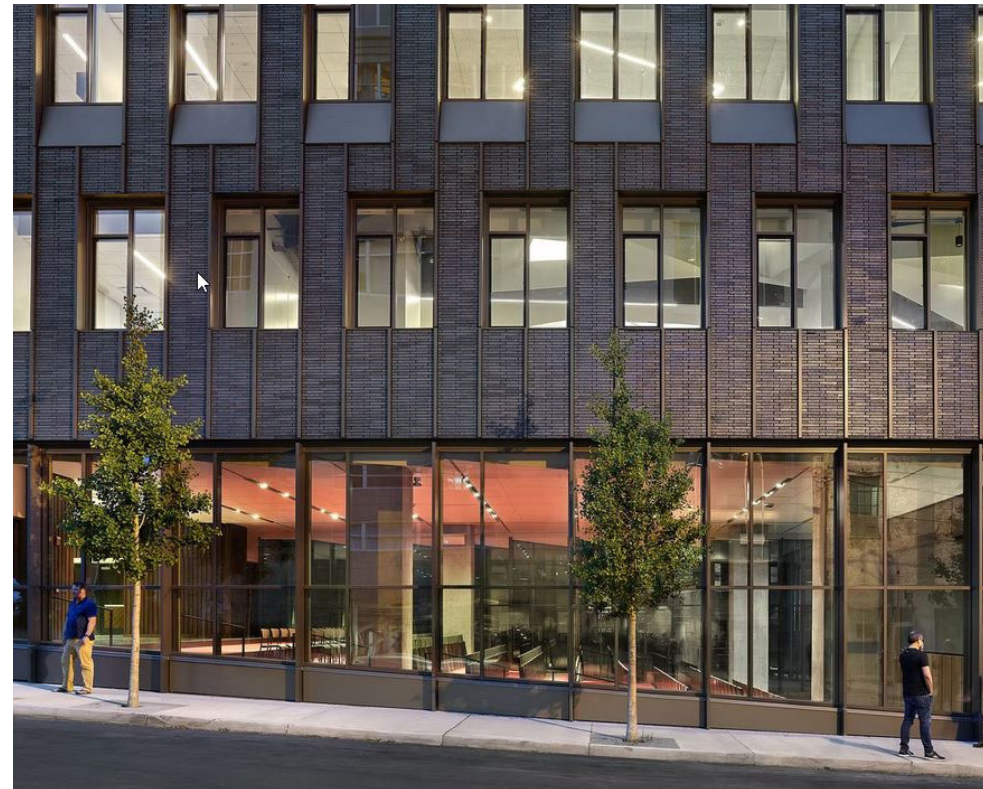




2 PRECEDENT : EXTERIOR



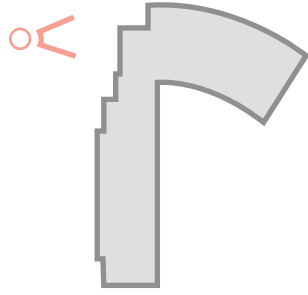
WHITLOCK ELEMENTARY SCHOOL
CFA CONCEPT DESIGN REVIEW SUBMISSION | 17



2 PRECEDENT : EXTERIOR



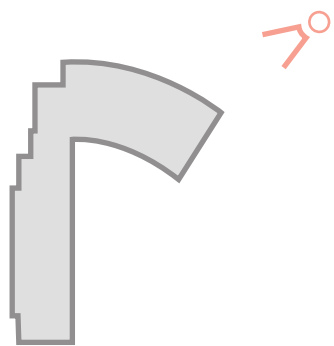
WHITLOCK ELEMENTARY SCHOOL
CFA CONCEPT DESIGN REVIEW SUBMISSION | 18



2 PERSPECTIVE 1: PRIMARY ENTRANCE



WHITLOCK ELEMENTARY SCHOOL
CFA CONCEPT DESIGN REVIEW SUBMISSION | 19



2 PERSPECTIVE 2 : NORTHEAST VIEW



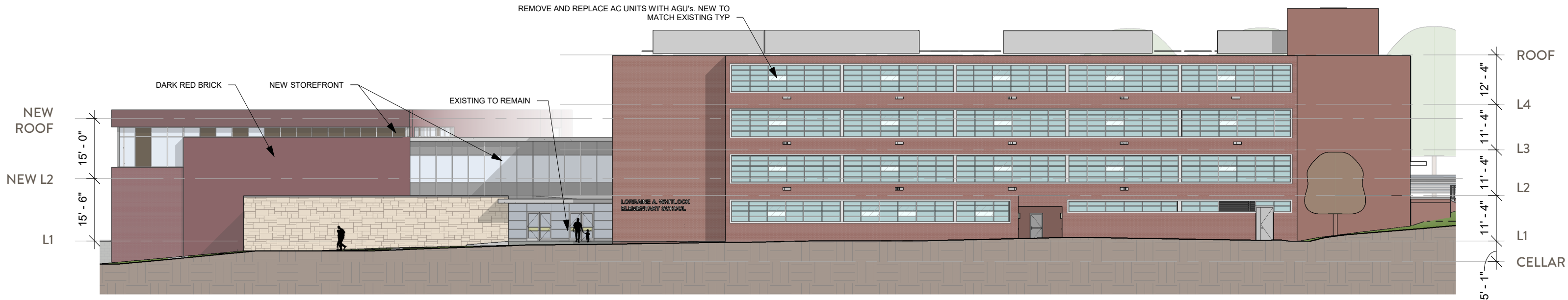
WHITLOCK ELEMENTARY SCHOOL
CFA CONCEPT DESIGN REVIEW SUBMISSION | 20



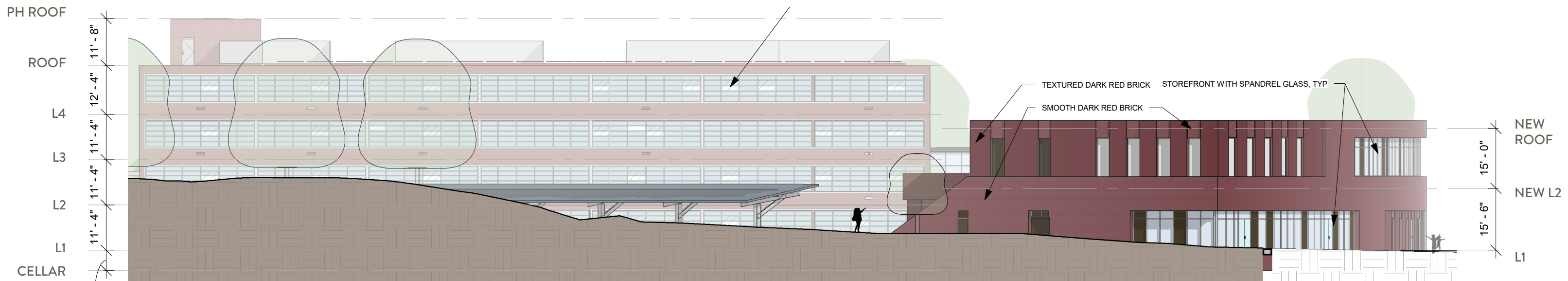
2 PERSPECTIVE 3 : SOUTHEAST AERIAL VIEW



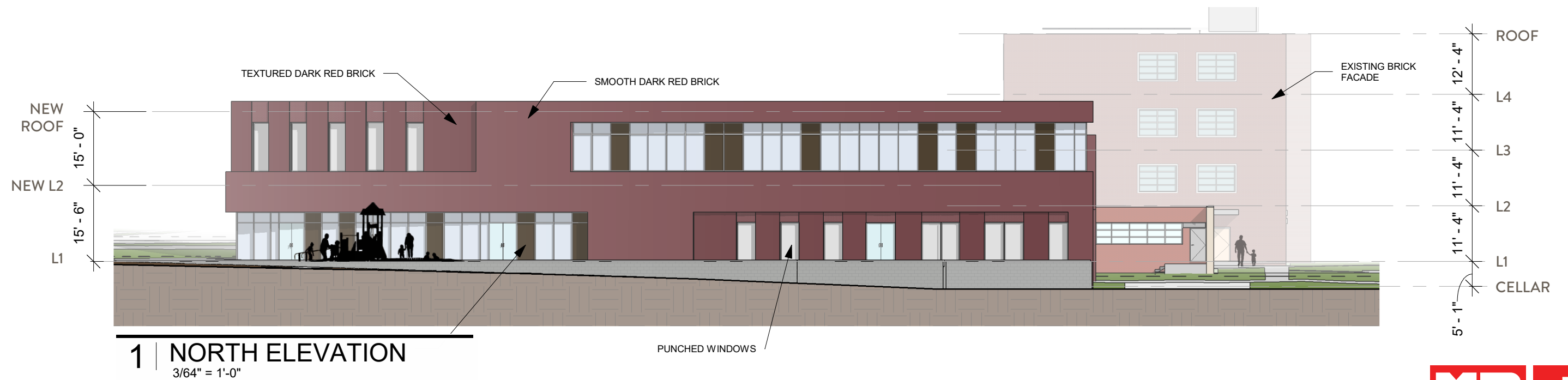
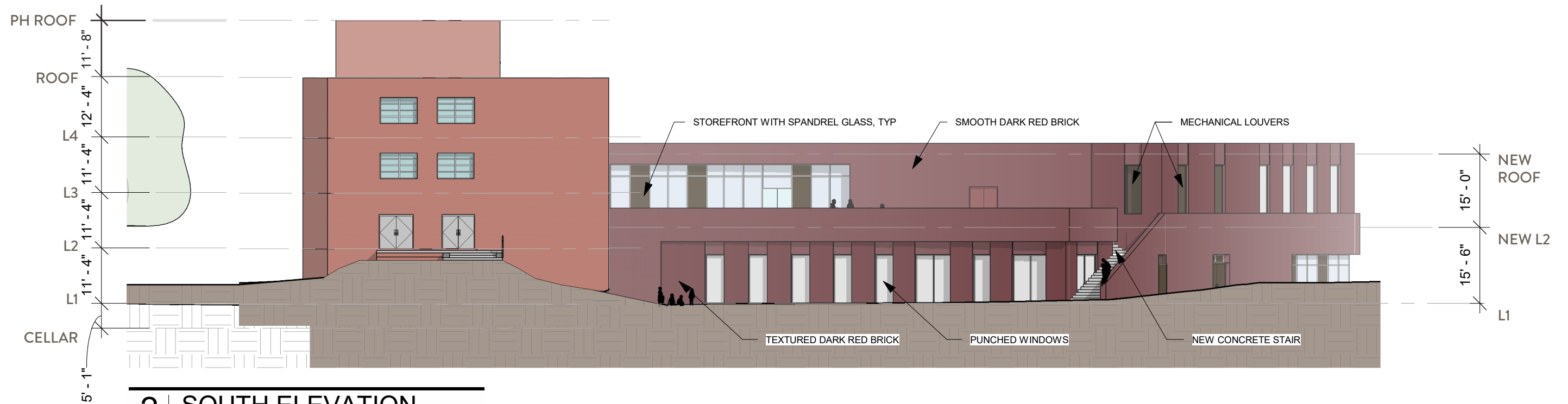
WHITLOCK ELEMENTARY SCHOOL
CFA CONCEPT DESIGN REVIEW SUBMISSION | 21

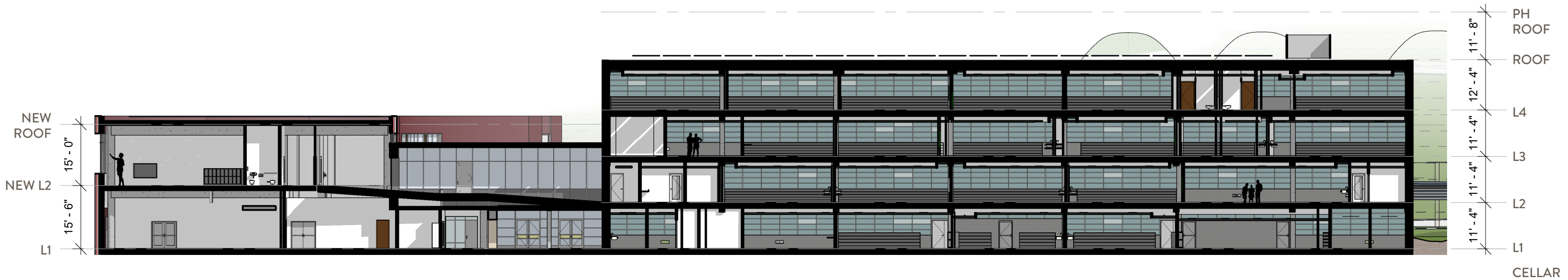


2 | WEST ELEVATION
3/64" = 1'-0"

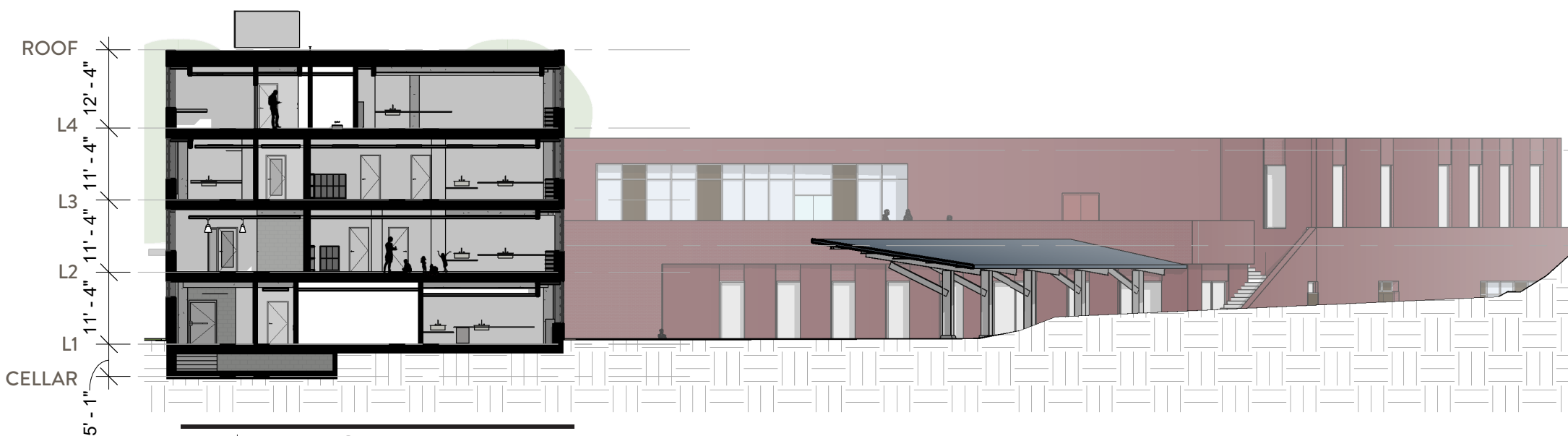


1 | EAST ELEVATION
3/64" = 1'-0"





3 | N-S Section 2
3/64" = 1'-0"



1 | E-W Section 1
3/64" = 1'-0"



2 | N-S SECTION 1
3/64" = 1'-0"

2 SECTIONS



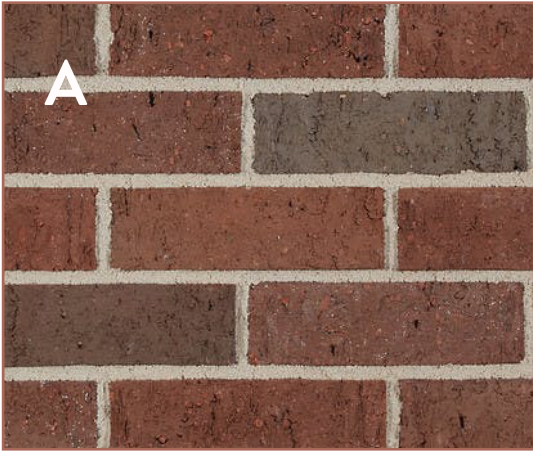
EXISTING



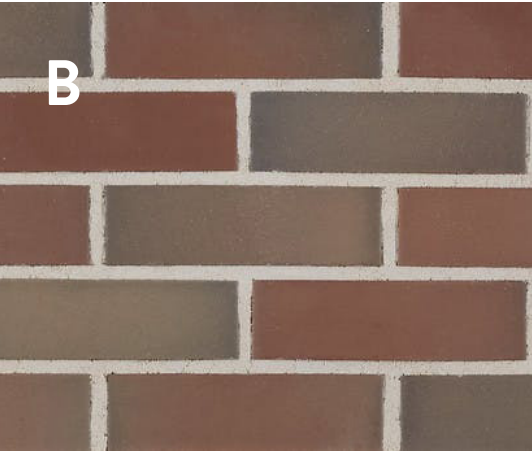
PRECEDENT



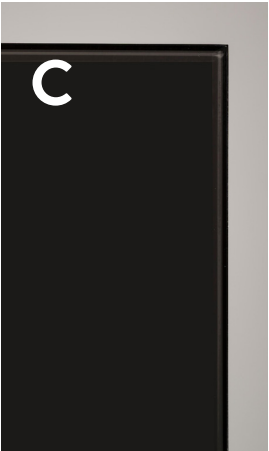
ROUGH PROJECTED BRICK



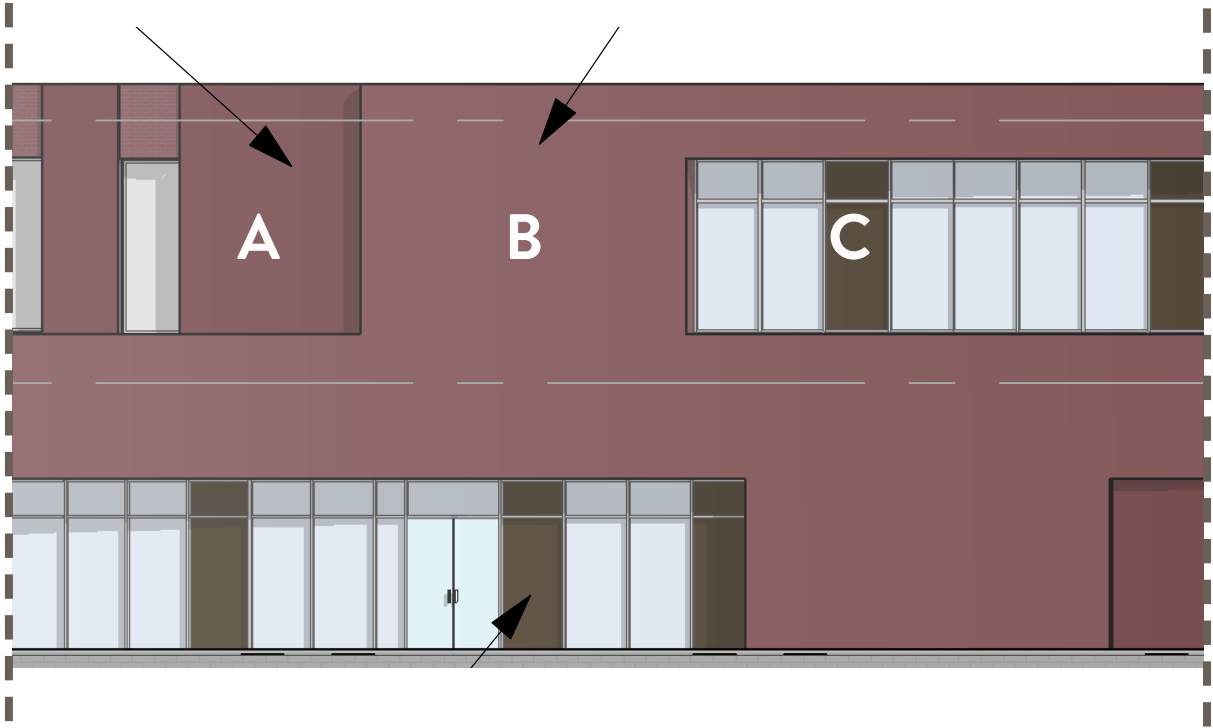
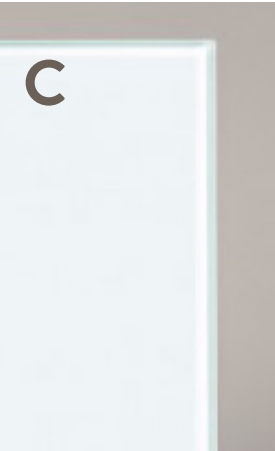
SMOOTH DARK RED BRICK



SPANDREL OPT 1



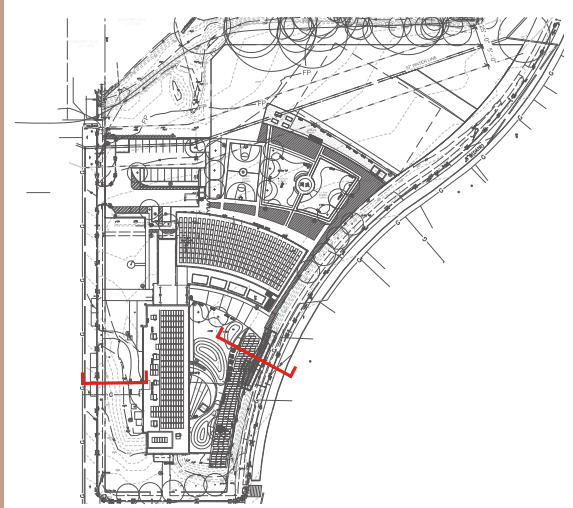
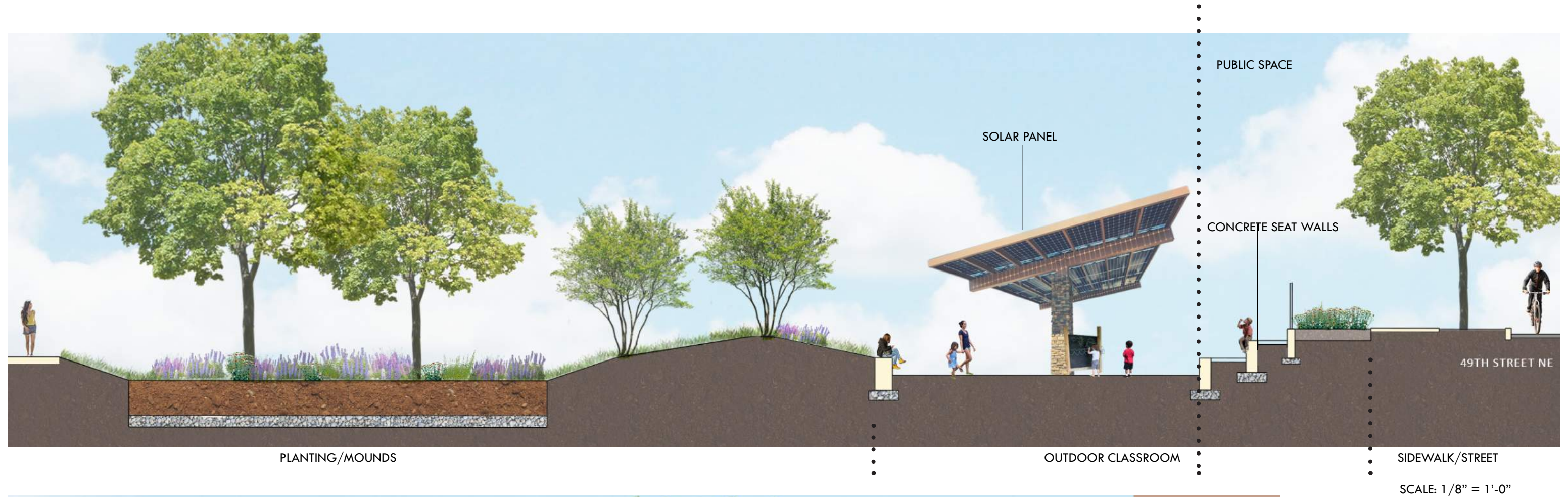
SPANDREL OPT 2



3 LANDSCAPE : PROGRAMMING

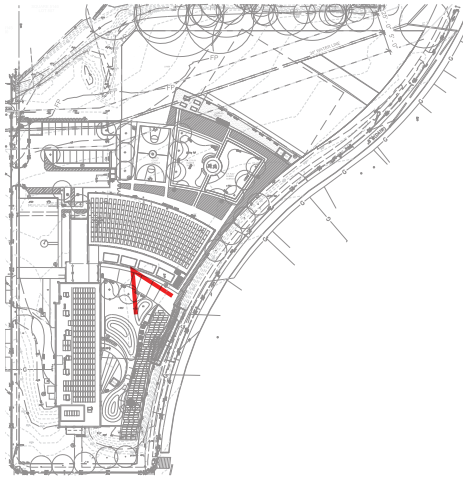






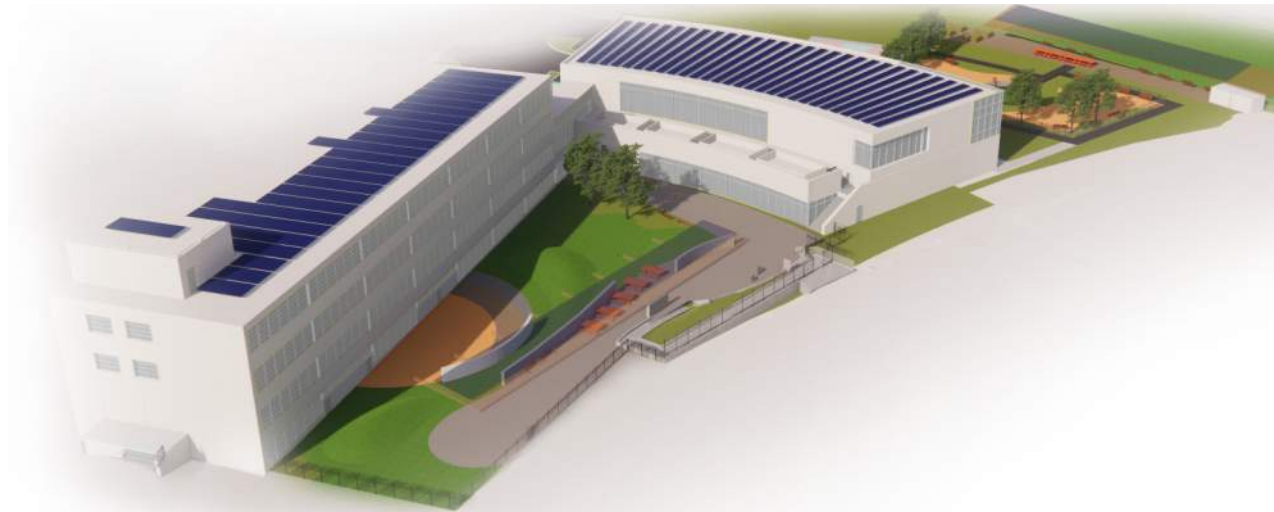
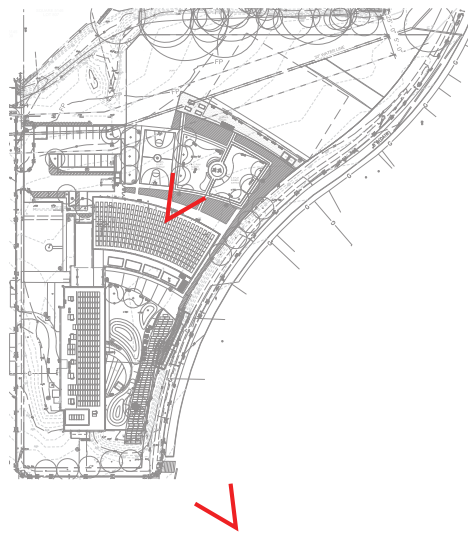
3 LANDSCAPE : SECTIONS





3 LANDSCAPE : PERSPSECTIVE - OUTDOOR CLASSROOM





3 LANDSCAPE : PERSPSECTIVE





CRUSHED GRAVEL



OUTDOOR CLASSROOM SPECIAL PAVING



CONCRETE



TURF FOR MOUNDS



PLAYGROUND RUBBER SURFACE



SENSORY GARDEN



3 LANDSCAPE : PLAYGROUND



BENCH



FEATURE BENCH



TABLES & BENCHES



READING CORNER



ORNAMENTAL FENCE



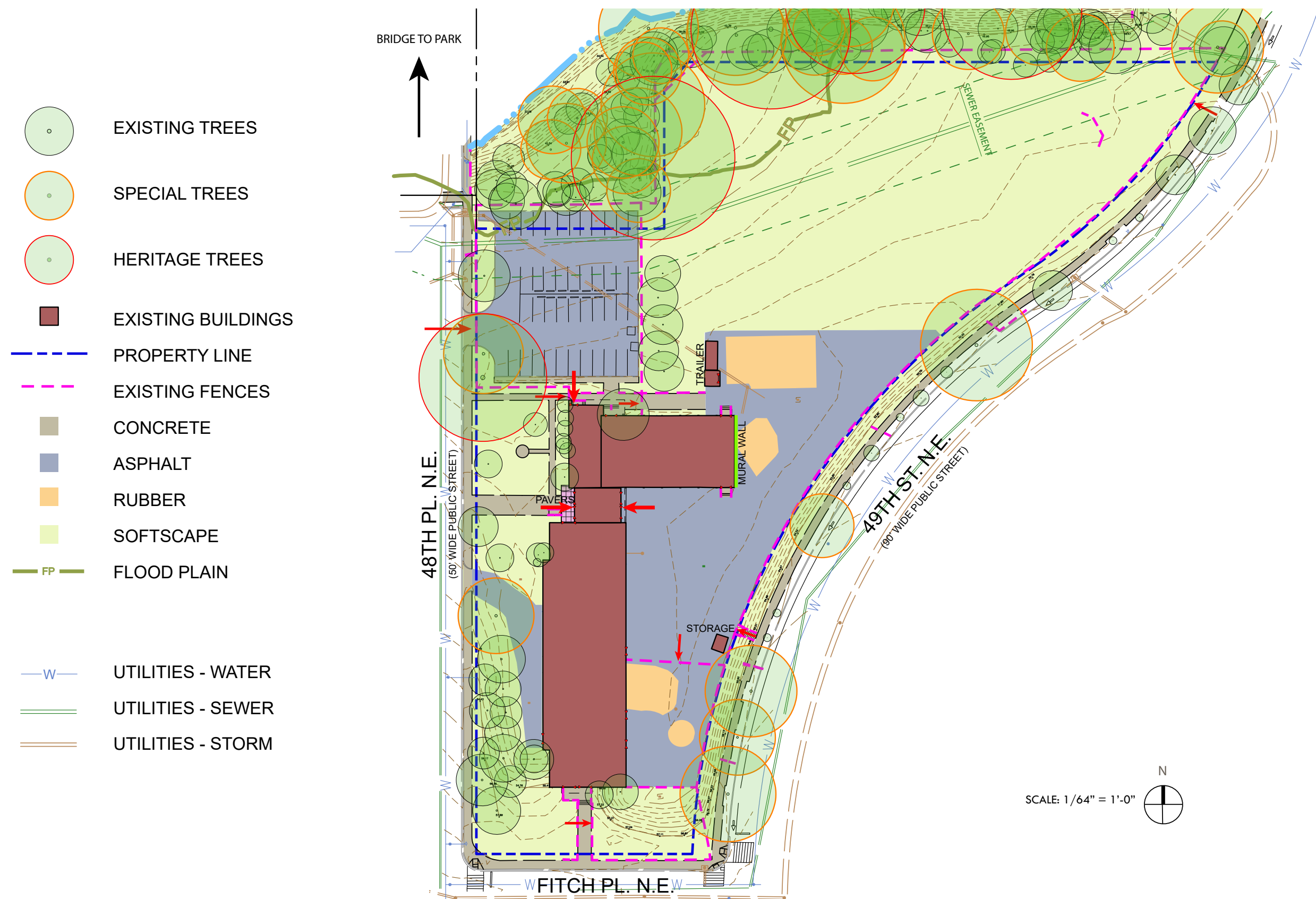
CHALK BOARD

3 LANDSCAPE : FURNISHINGS AND SITE ELEMENTS



3 LANDSCAPE : SOLAR STRUCTURES

4 APPENDIX





NORTHEAST VIEW



NORTH VIEW



WEST VIEW



SOUTH VIEW

4 SCHEMATIC DESIGN : MODEL PHOTOS

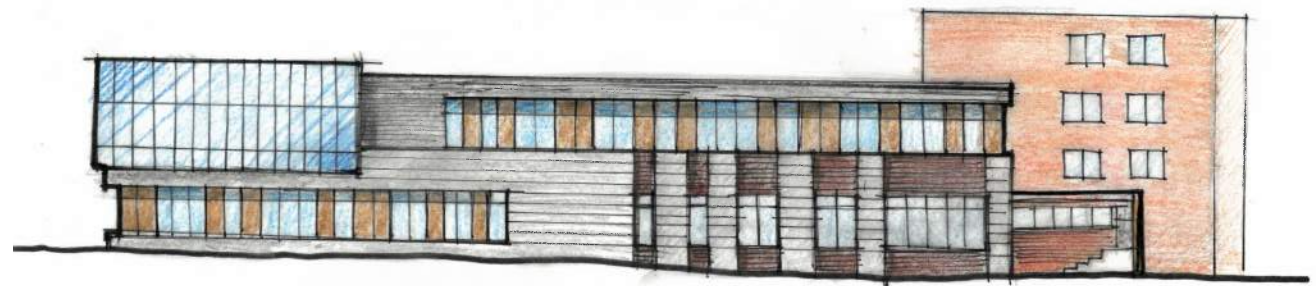




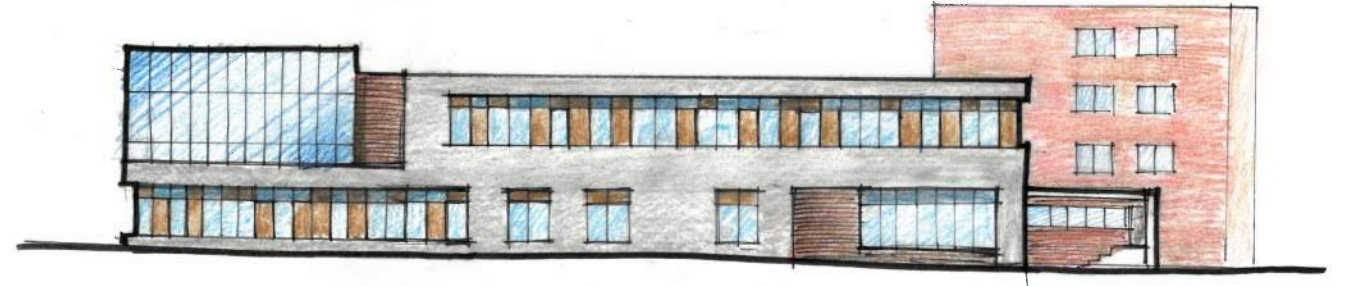
A



C

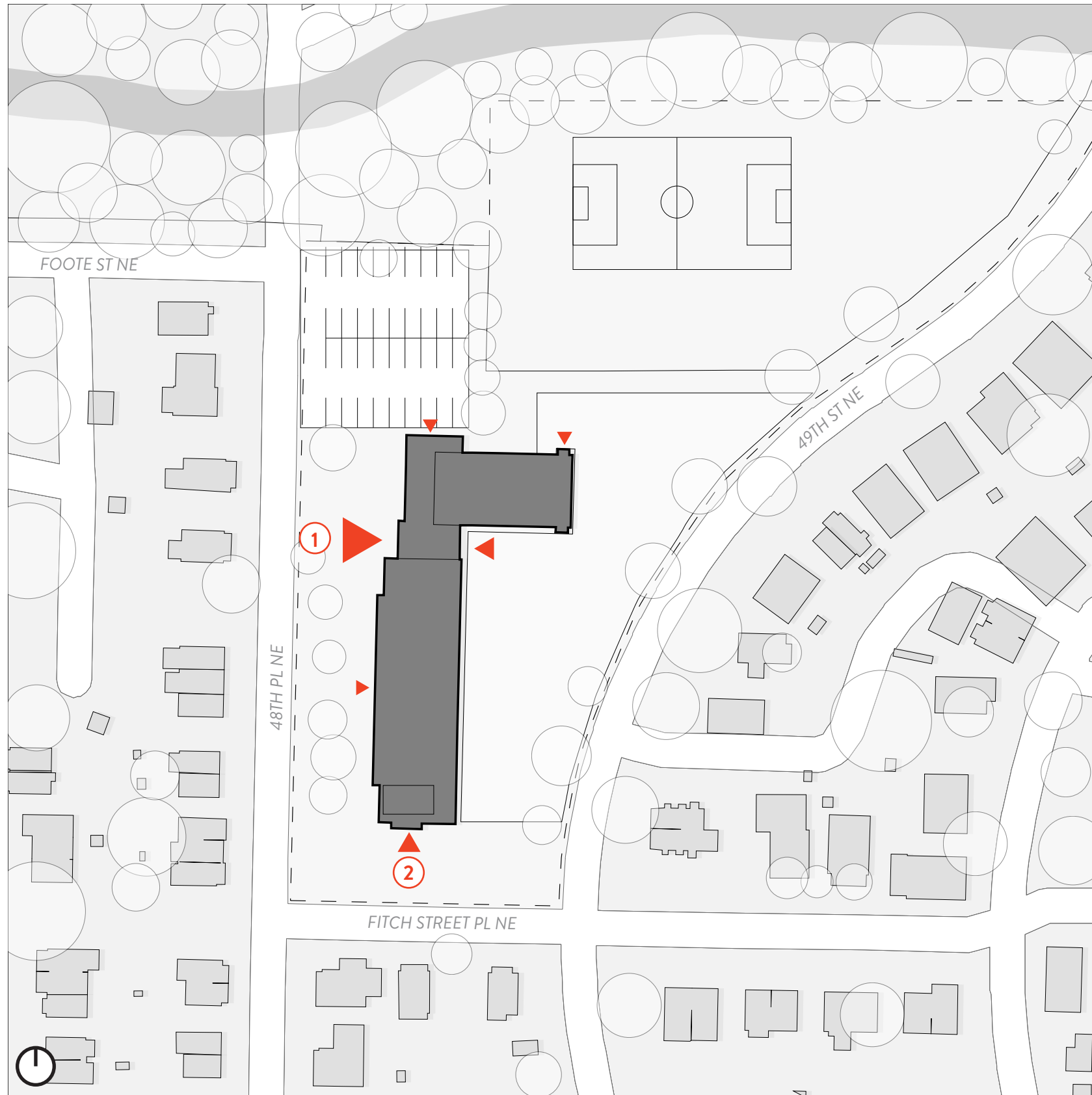


B



D

4 SCHEMATIC DESIGN : FACADE STUDIES

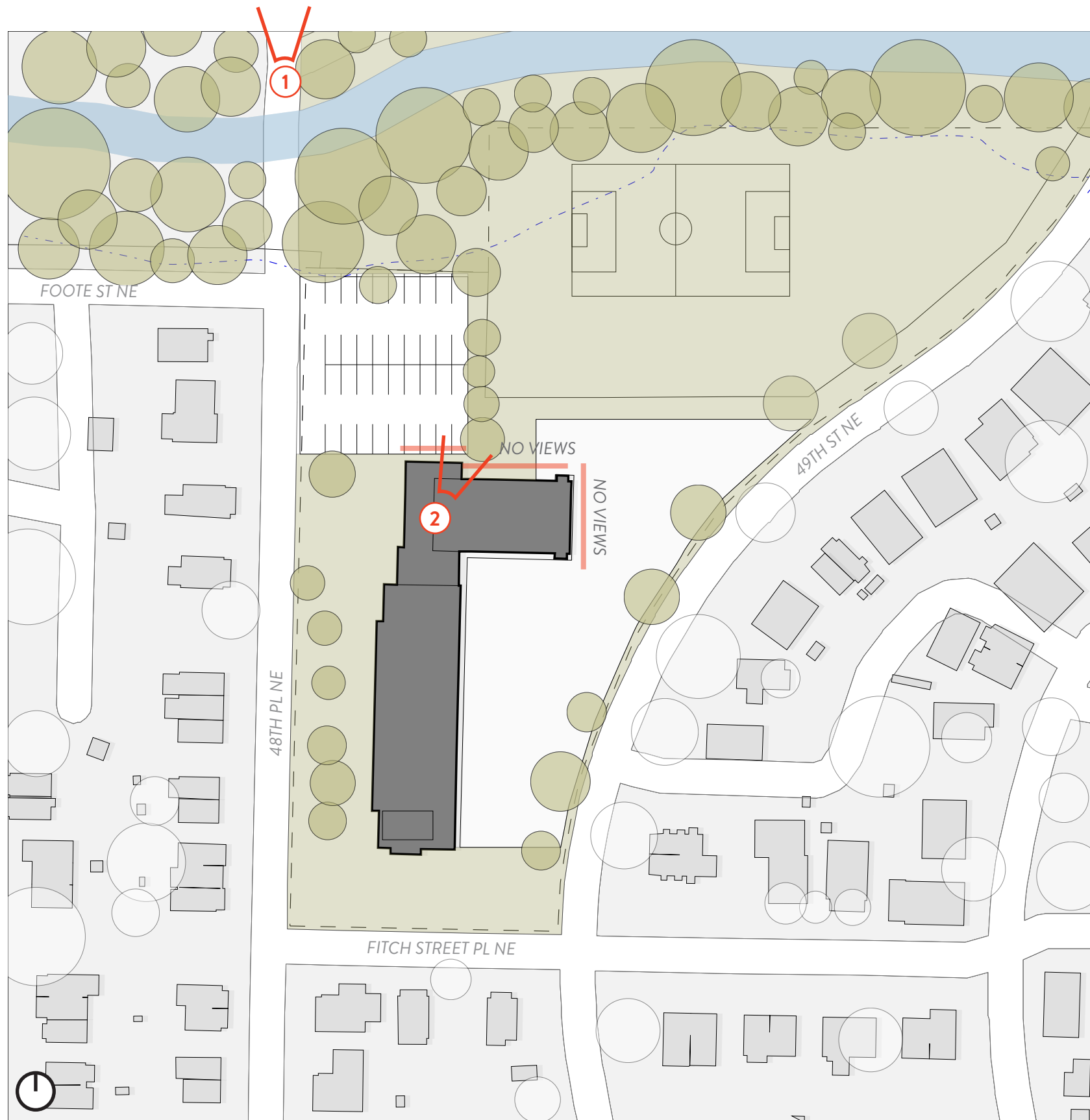


1. PRIMARY ENTRANCE | FROM 48TH STREET



2. SECONDARY ENTRANCE | FROM FITCH STREET

4 OBSERVATIONS : ENTRANCES

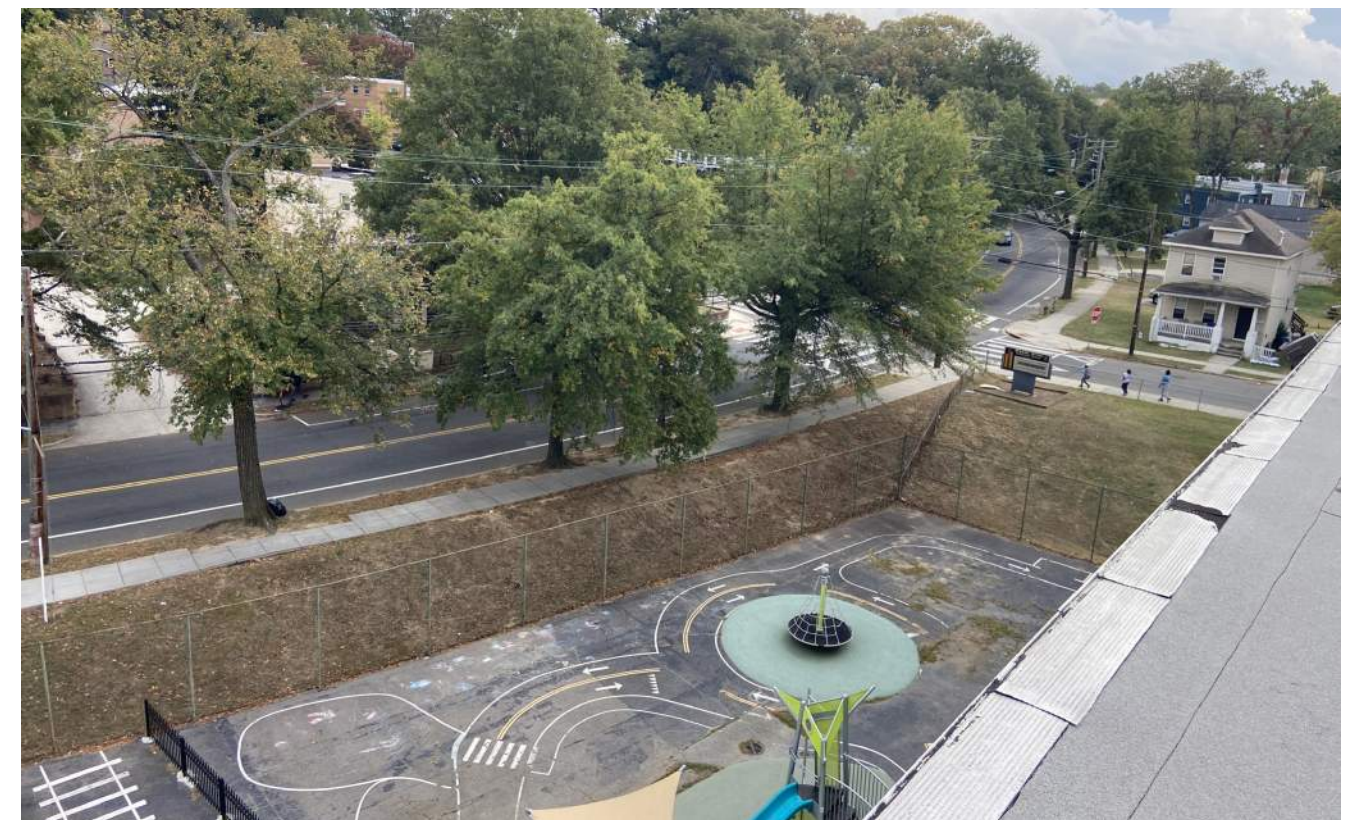
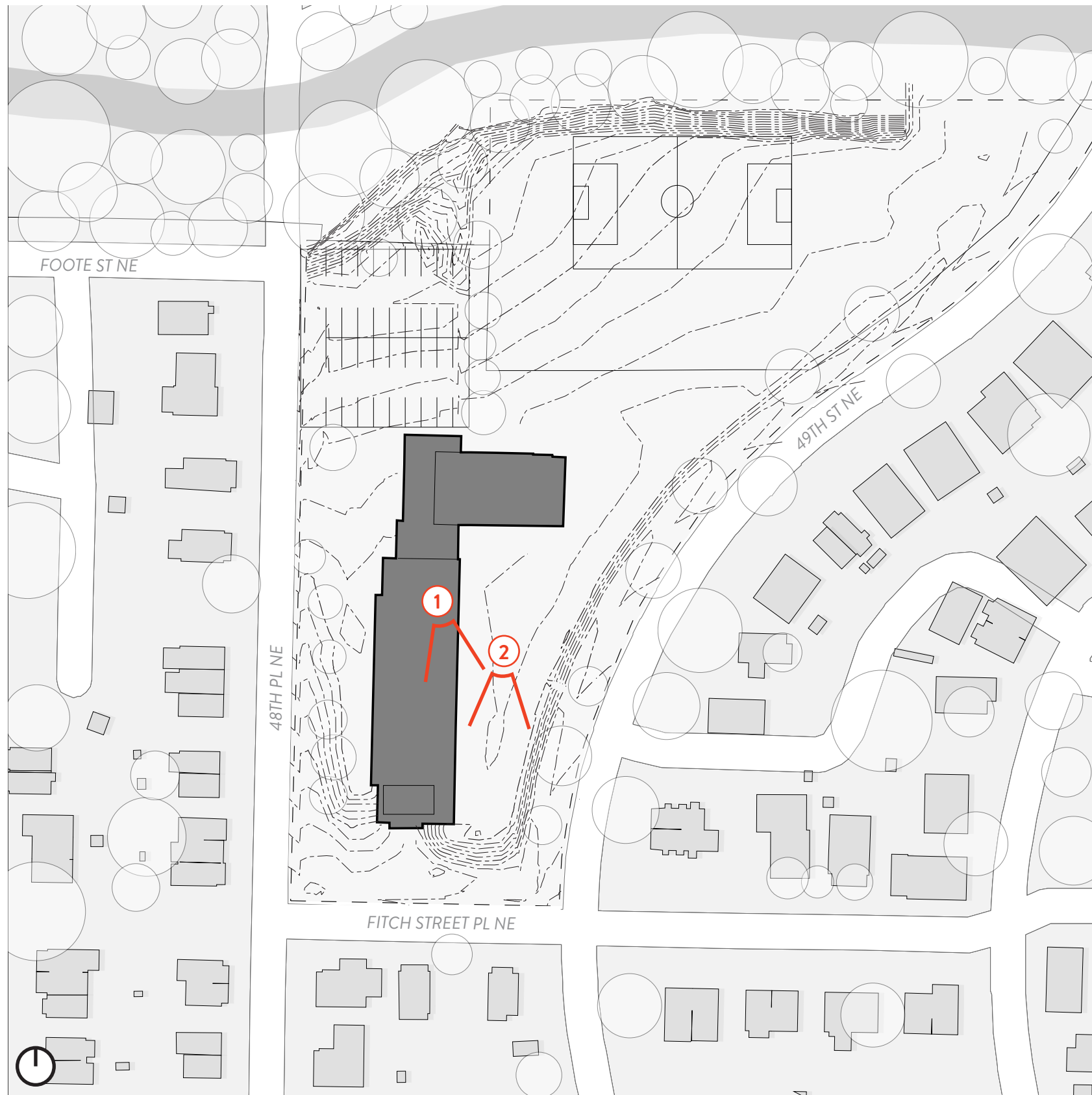


1. EXISTING ATHLETIC FIELD AND NORTH GREENWAY



2. NORTH GREENWAY AND BIKE TRAIL

4 OBSERVATIONS : ACCESS TO GREEN

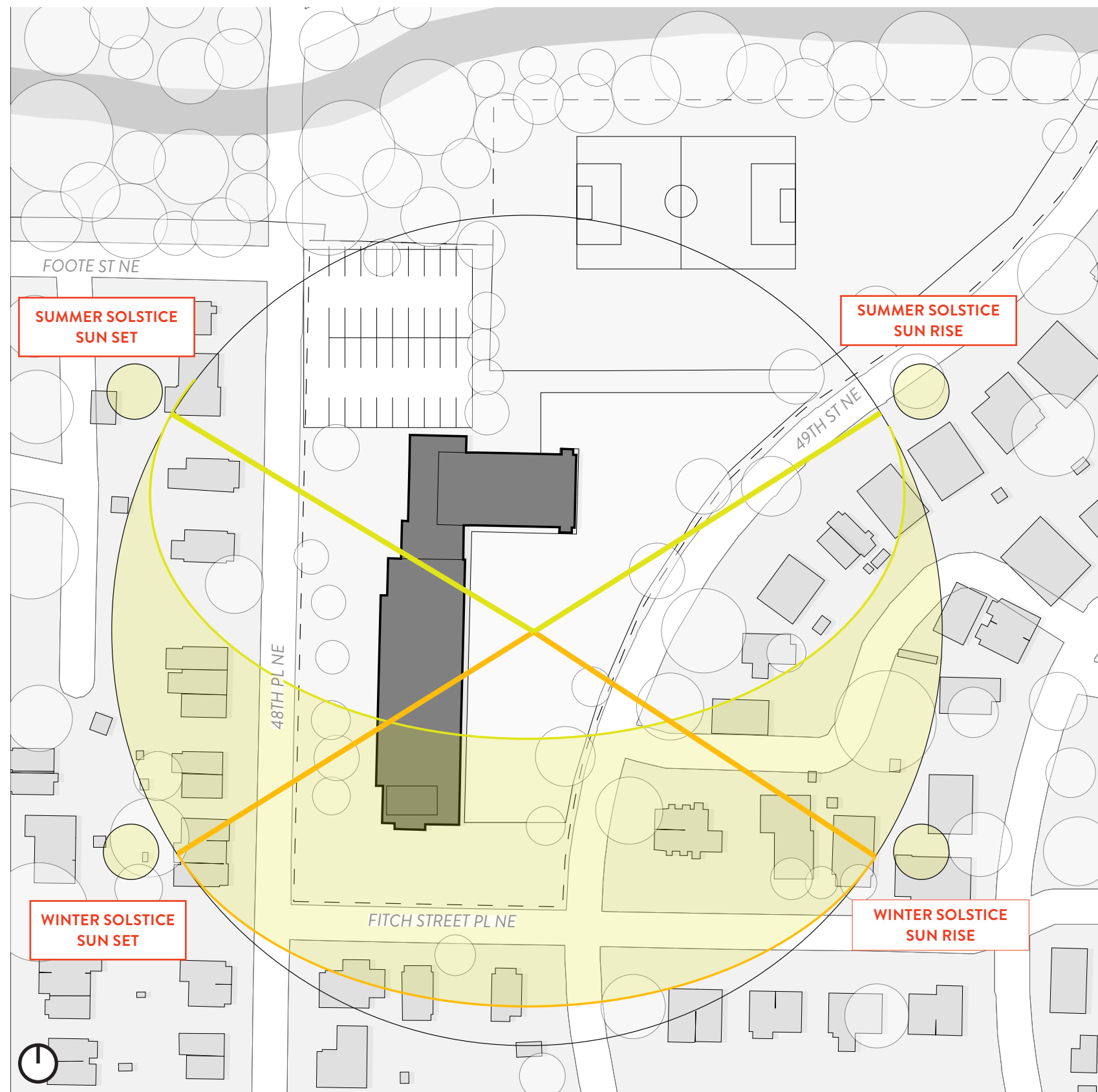


1. AERIAL VIEW



2. PEDESTRIAN VIEW

4 OBSERVATIONS : EXISTING TOPOGRAPHY

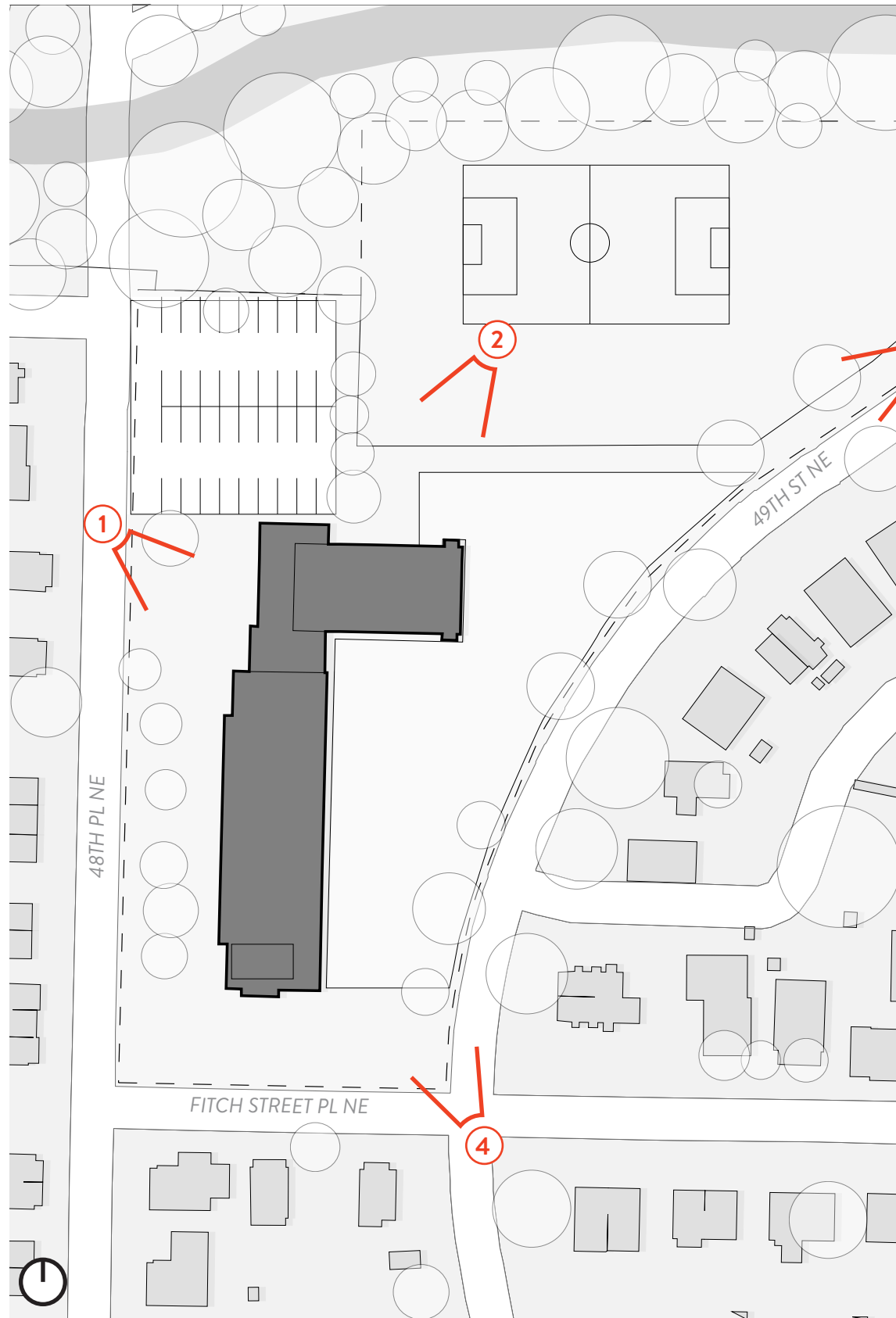


1. EAST FACADE : MORNING LIGHT



2. WEST FACADE : MORNING LIGHT

4 OBSERVATIONS : SOLAR ORIENTATION



1. PRIMARY ENTRANCE



2. NORTH FACADE OF EXISTING MULTIPURPOSE

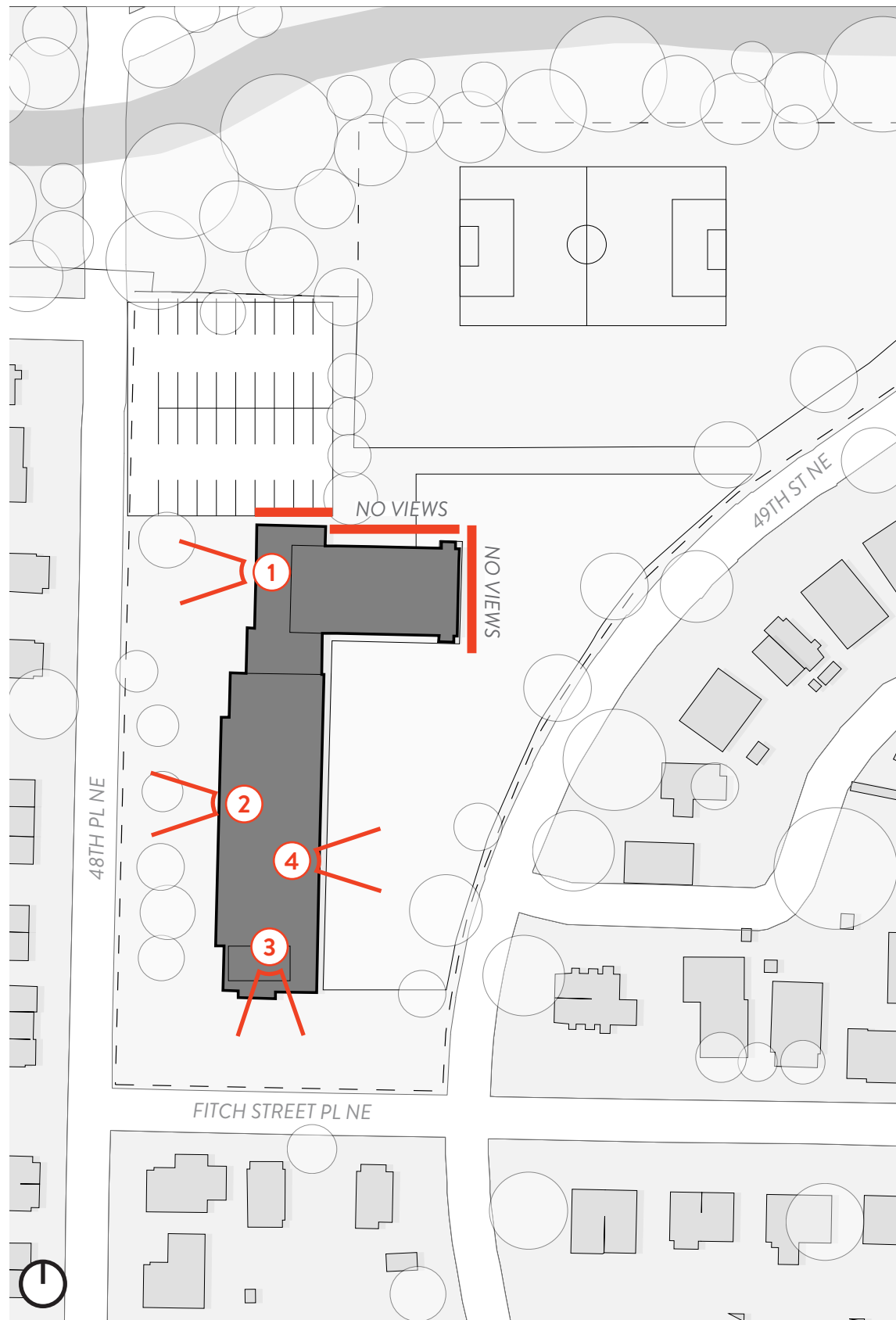


3. HEADING SOUTH ON 49TH STREET



4. HEADING NORTH ON 49TH STREET

4 OBSERVATIONS : VIEWS TOWARDS THE SITE



1. VIEW FROM PRIMARY ENTRANCE



2. FACING WEST / 48TH STREET

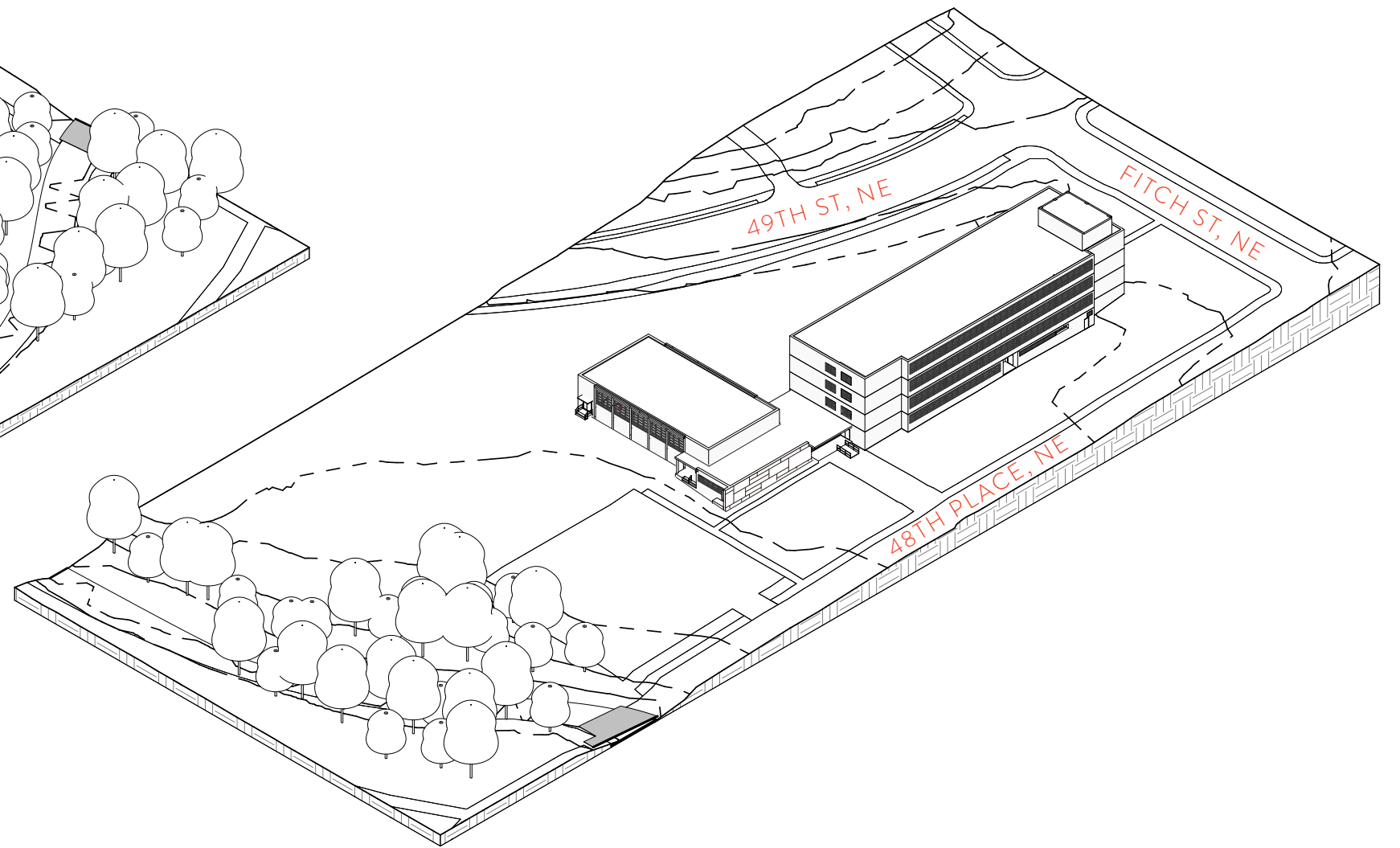
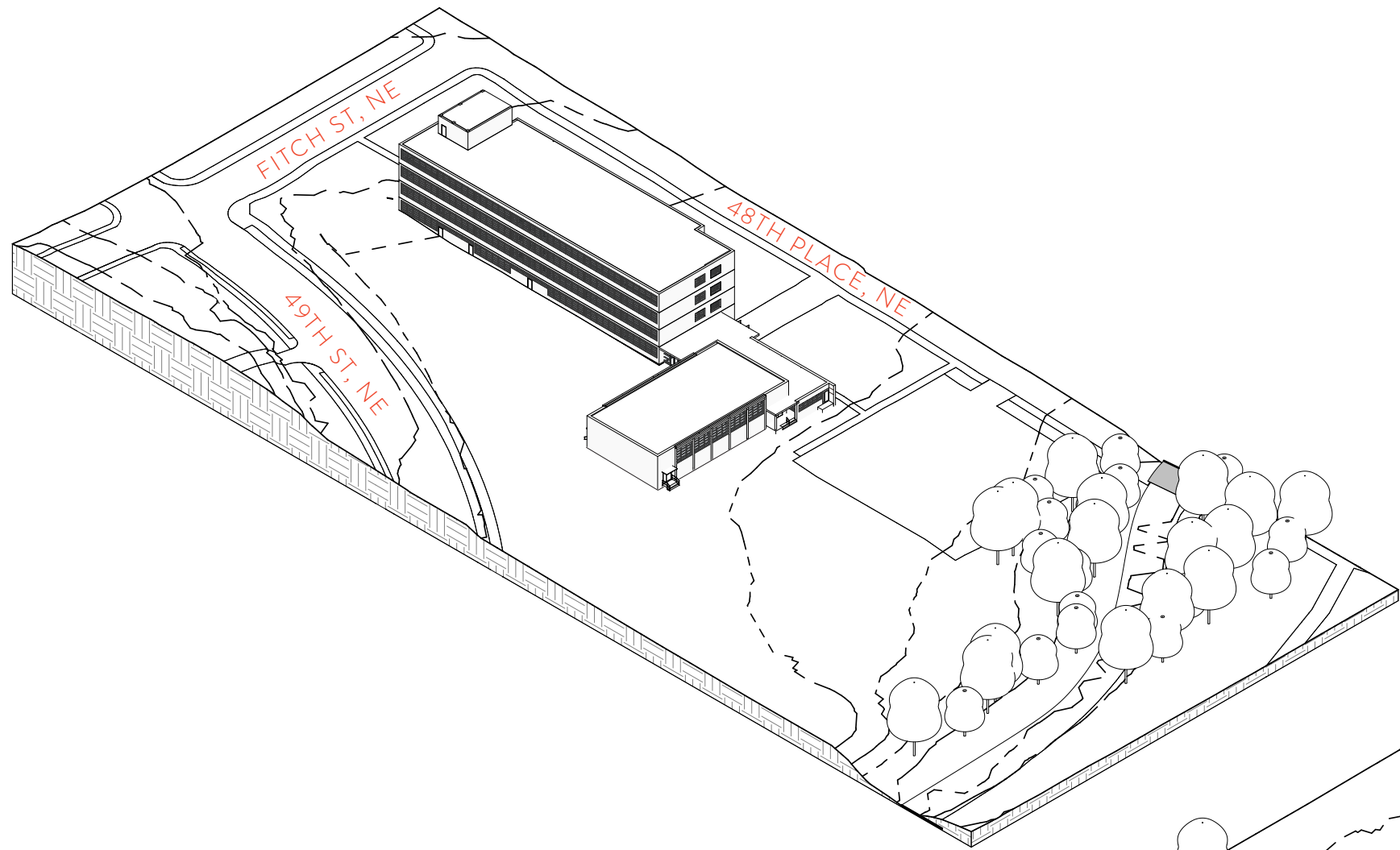


3. FACING SOUTH / FITCH STREET

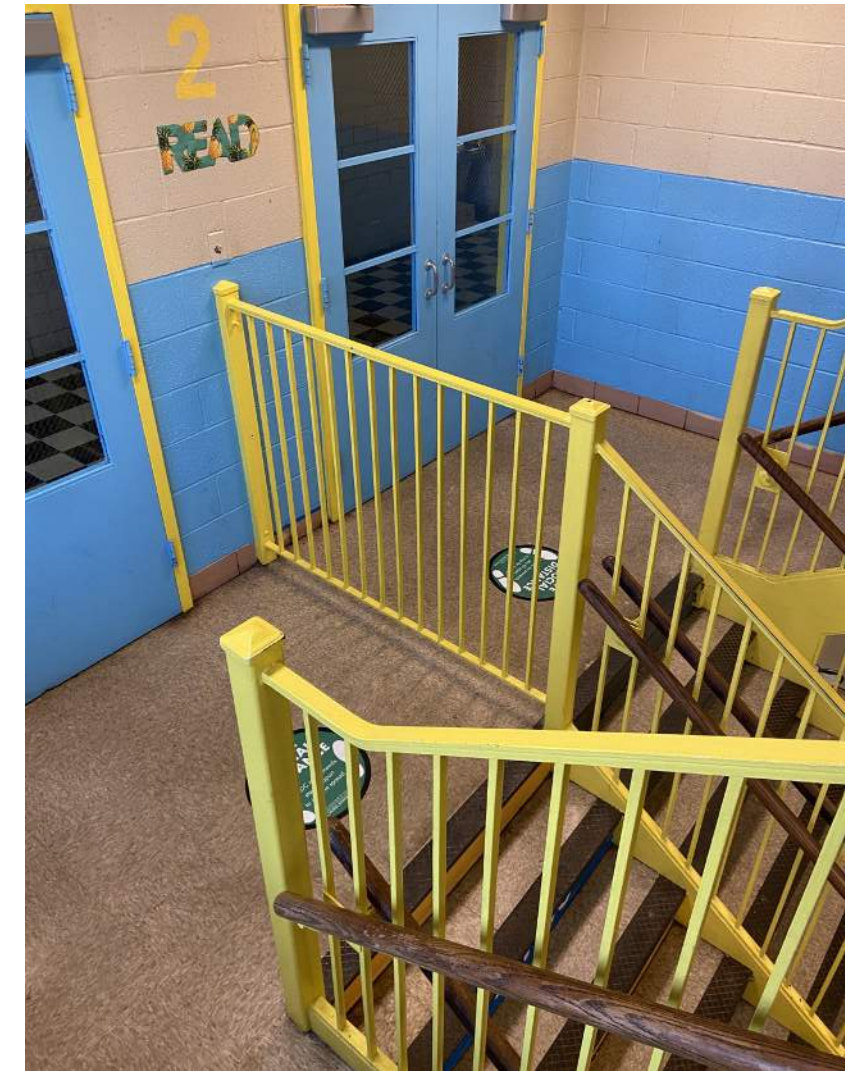


4. FACING EAST / 49TH STREET

4 OBSERVATIONS : VIEWS FROM THE SITE



4 OBSERVATIONS : EXISTING STRUCTURE



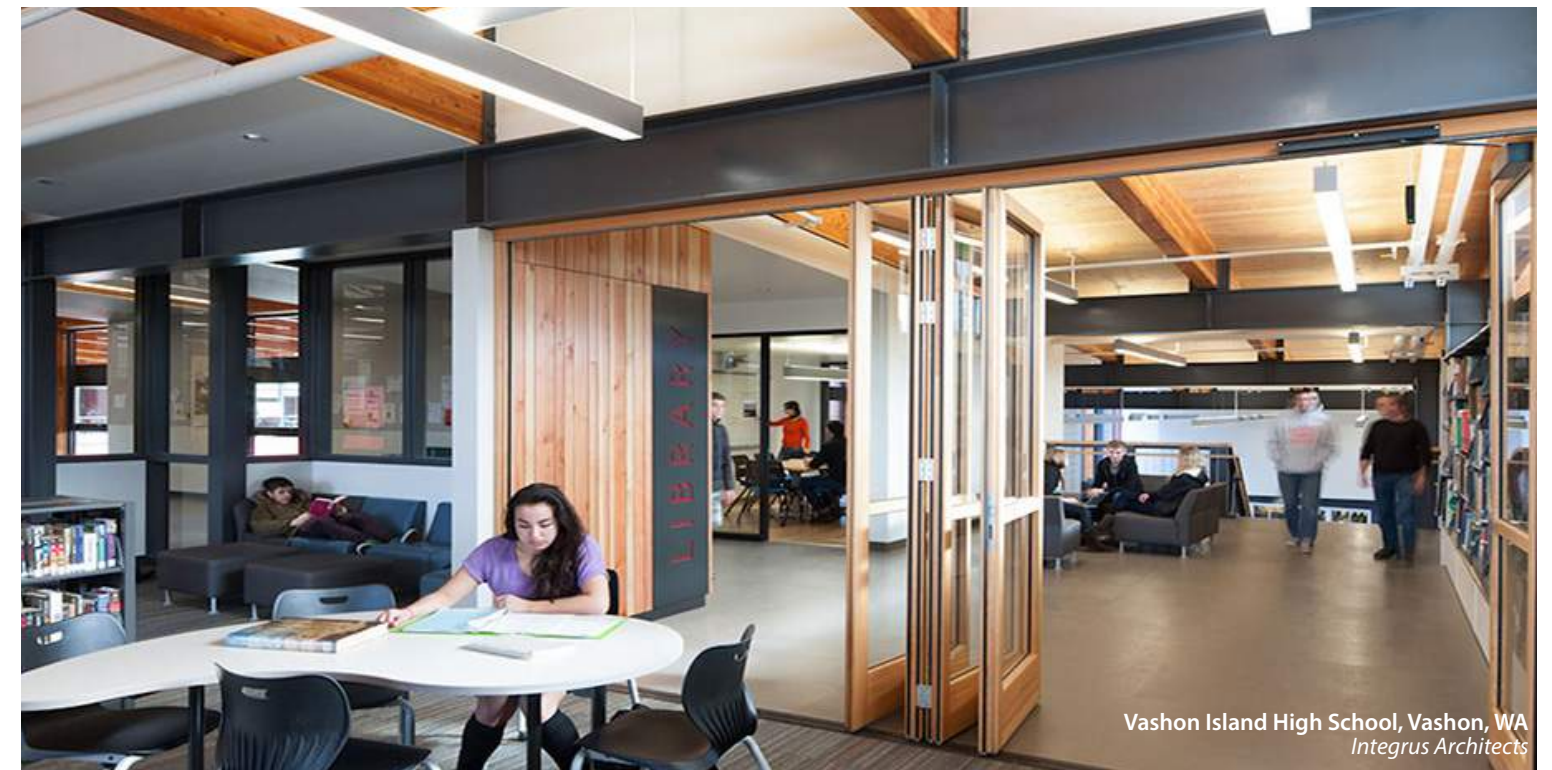
4 DESIGN CONSIDERATION 1: 21ST CENTURY LEARNING IN A 20TH CENTURY STRUCTURE



MPCS Elementary School, Manassas, VA
VMDO Architects

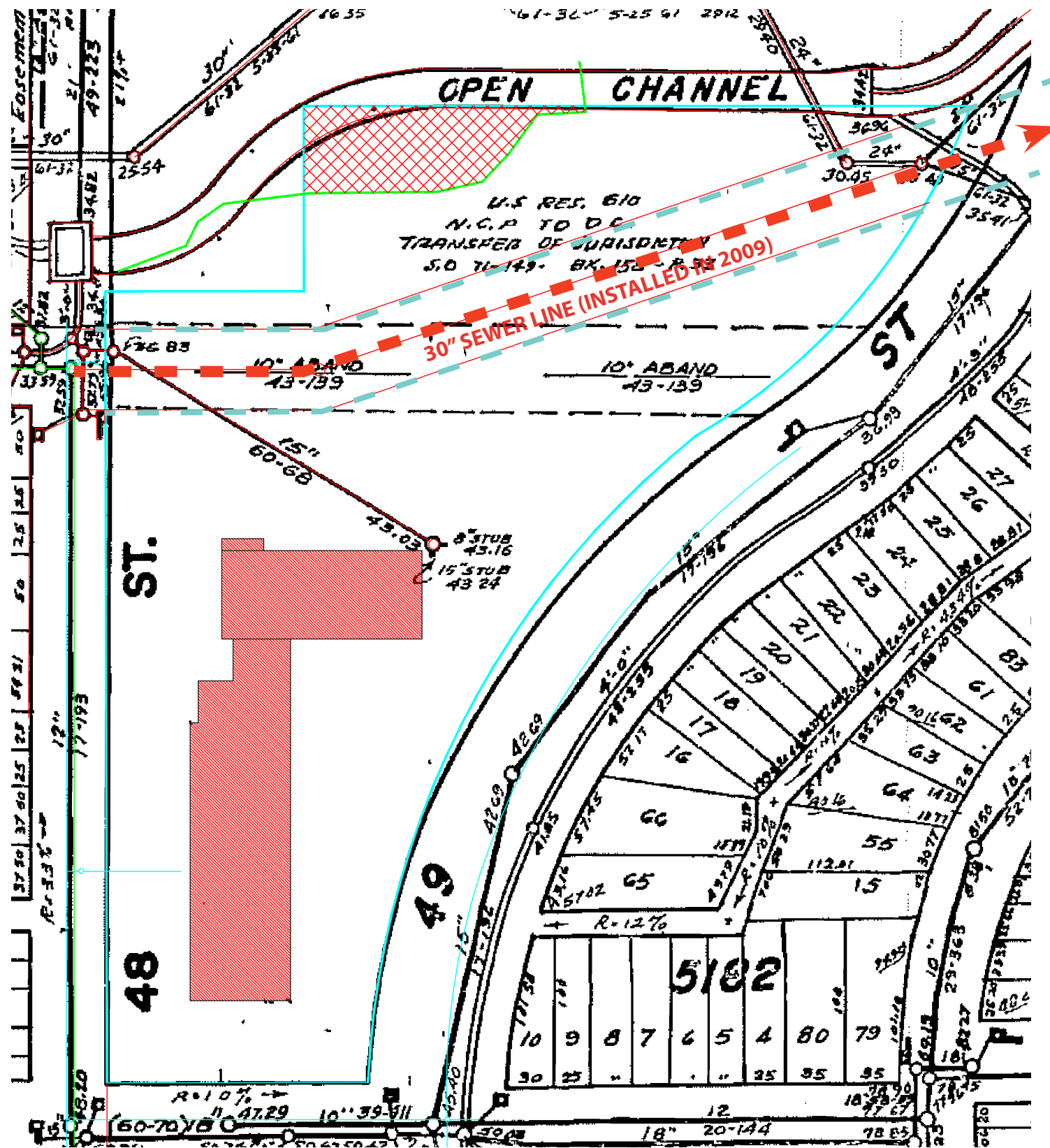


Alice West Fleet Elementary School, Arlington, VA
VMDO Architects



Vashon Island High School, Vashon, WA
Integrus Architects

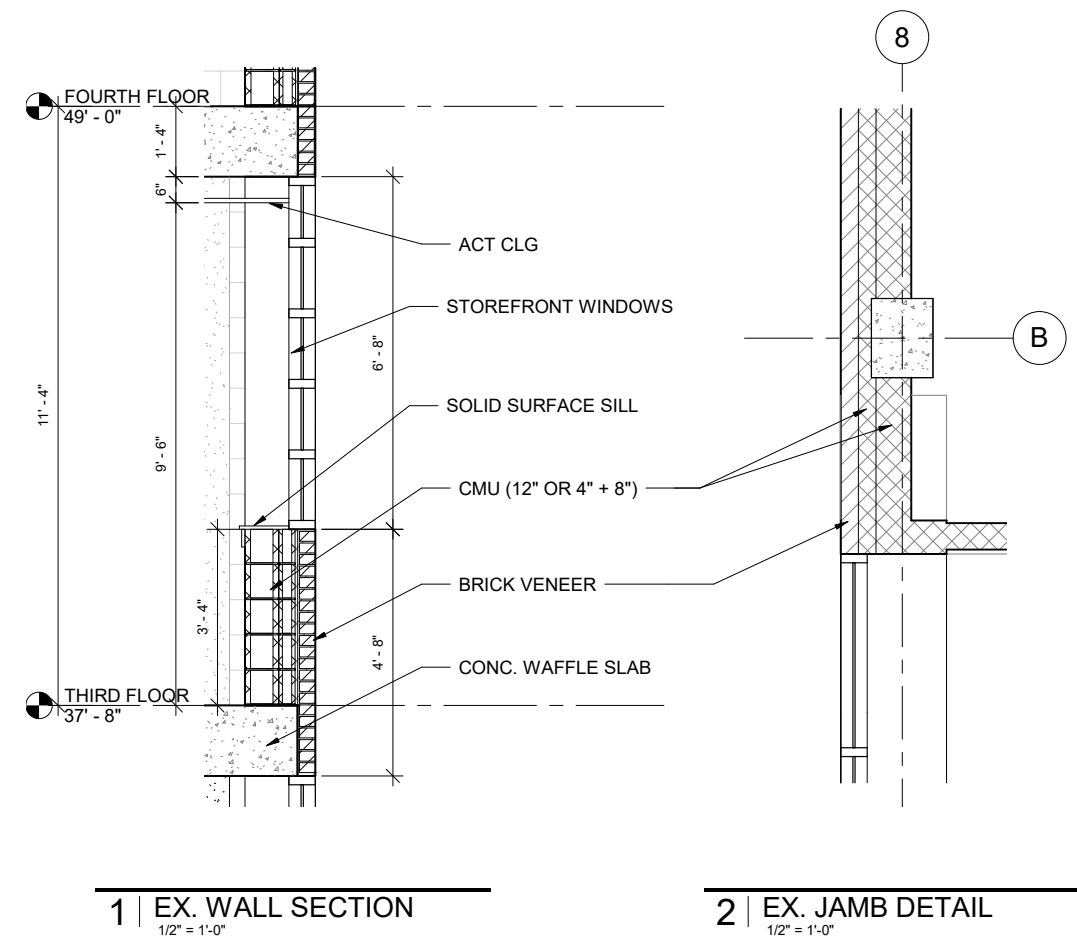
4 DESIGN CONSIDERATION 2 : EMPHASIZE THE SCHOOL'S UNIQUE NATURAL SETTING

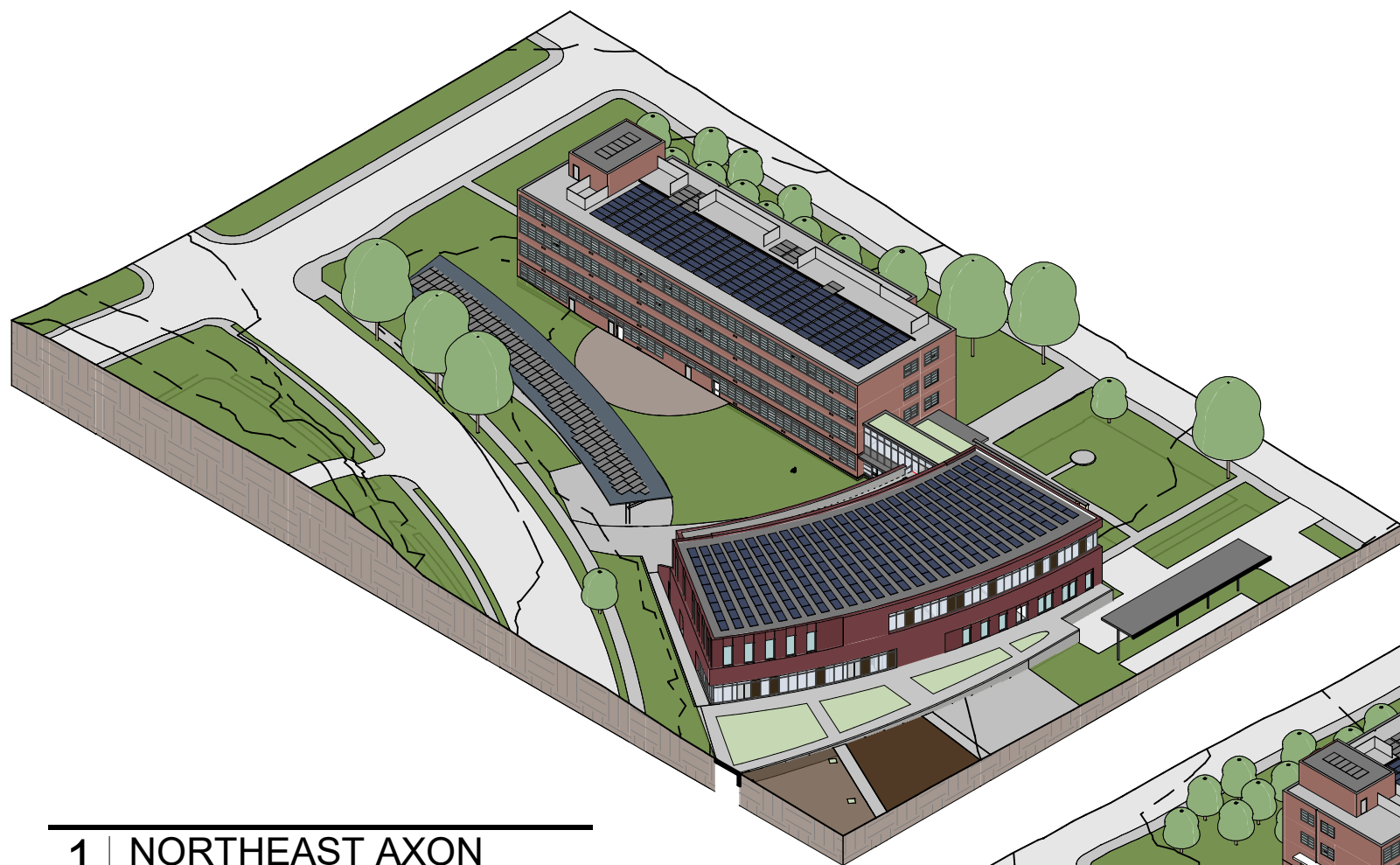


DC WATER'S EXISTING 30" SEWER LINE

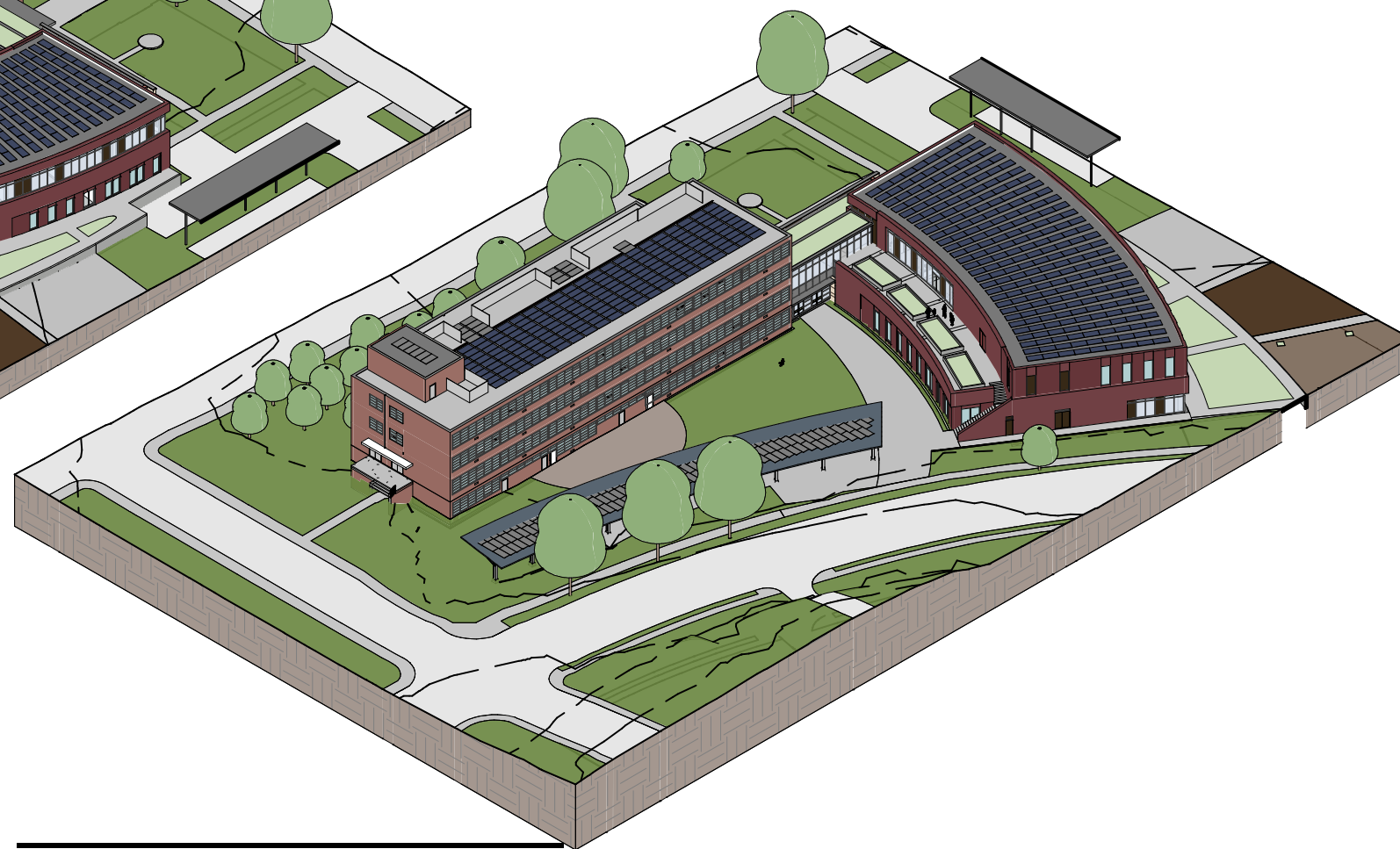
ADDITIONAL DESIGN CONSIDERATIONS

Net Zero Energy Possibilities: Given the broad site area available at Aiton, we believe the site will be possible to achieve Net Zero Energy with the understanding that approximately **100 geothermal wells** at a depth of 400' (among other energy reducing strategies) will be required to reach an **EUI between 22-24**. As such, the site will need to host approximately **32,500 SF of Solar PV** panels on rooftops and/or stand alone solar structures.

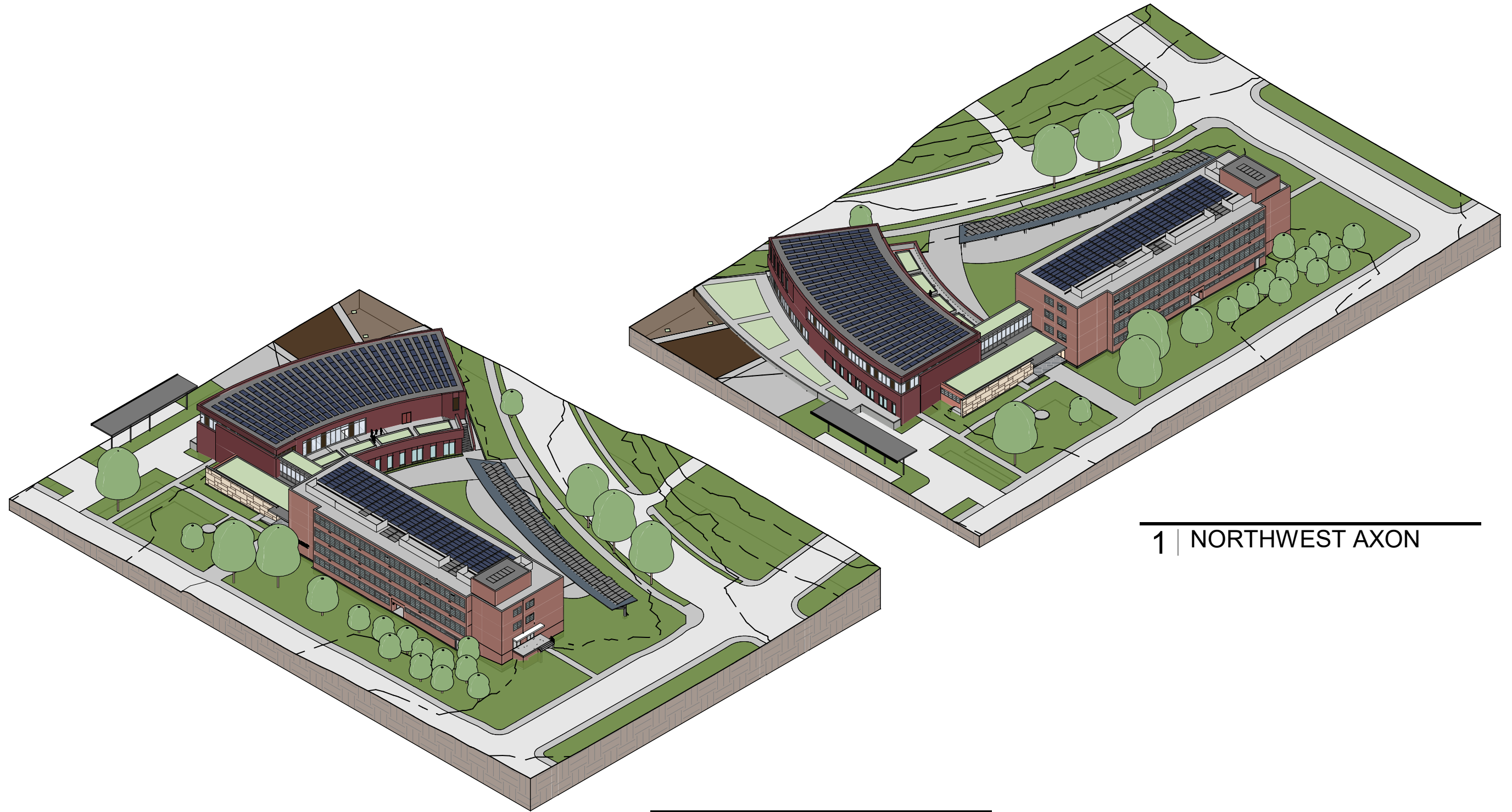




1 | NORTHEAST AXON



2 | SOUTHEAST AXON



1 | NORTHWEST AXON

2 | SOUTHWEST AXON