SCOTTSDALE

Unified School District

DESIGN DIRECTION RECAP

orcutt|winslow



June 15, 2020

MEETING RECAP

1. Review of Site Arrangement & Site Amenities
2. Review of Architectural Forms & Materiality
3. Feedback, Questions & Answers

MEMORABLE GOALS

01 REVITALIZED TRADITIONS

- Develop a building design that fits within the residential scale of its surroundings and its community context
- Provide a project that cultivates the positive aspects of the existing campus, bringing those qualities forward in modern applications
- Retain the existing indoor/outdoor connection, provide accessible and useable outdoor learning opportunities
- Create an open campus feel, focusing on natural light, daylight, windows & ensuring interaction with the outdoors every day

02 FLEXIBLE & MODERN LEARNING ENVIRONMENTS

- Provide adequate space for all-school assemblies and community events
- Create flexible multi-purpose spaces that accommodate for a multitude of uses
- Provide a variety of learning environments for different uses, scales and student groupings
- Use strategies such as flexible furniture and collaboration areas to foster learner centric spaces, student agency and engagement

03 SAFETY & WELLNESS

- Intuitive site circulation & way-finding: create a well organized site arrangement that allows for safe arrival to and departure from campus, efficient parent drop-off, bus drop-off, parking, pedestrian and bicycle circulation, service entry, etc.
- Design for student emotional and social well being
- Design for student safety [CPTED (crime prevention through environmental design) concepts such as layers, controlled points of entry, line of sight & transparency for supervision, etc]

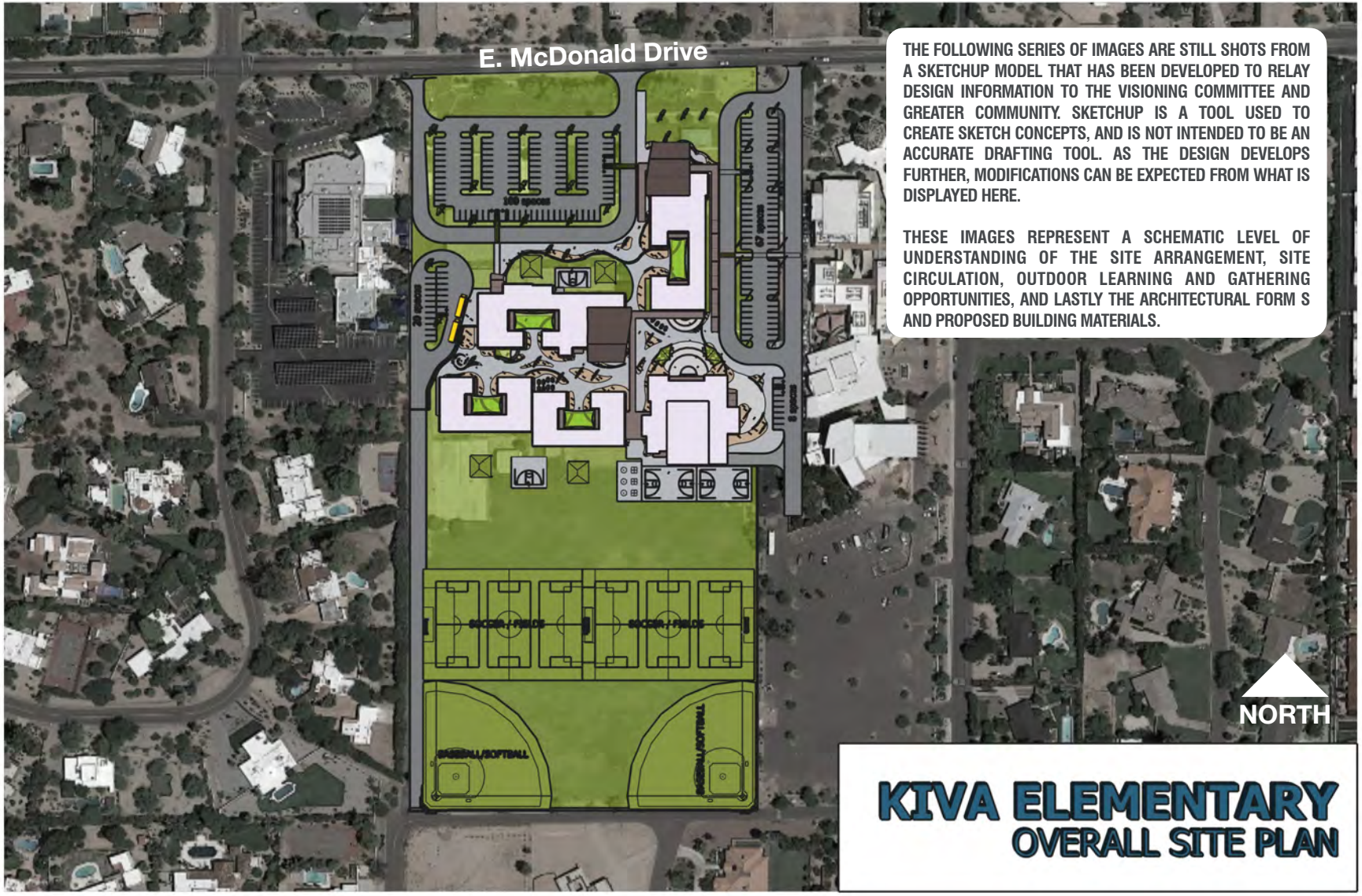
04 HIGH PERFORMANCE BUILDING DESIGN

- Create an energy efficient facility with a focus on sustainability as a learning objective [Define sustainability for this context and identify learning objectives to incorporate in design]
- Provide a facility that has the needed infrastructure to support technology and future flexibility
- Focus on user comfort (healthy indoor environment, natural daylight & transparency, thermal, plumbing, etc.)

POSITIVE ATTRIBUTES

- Adequate Vehicular Queueing
- Administration Front and Center
- Discreet Service Access
- Physical Education Adjacent to Courts/Fields
- Curb Appeal
- Minimized Points of Access
- Large Assembly Capacity
- Age Clustered Learning
- Age Clustered Play
- Primary Age Cluster Accessibility
- Incorporate Views
- Passive Solar Design
- Line of Sight
- Pods
- Limit High Volumes
- Community Hub
- Engaging Outdoor Spaces
- Neighborhood Context
- Kiva Traditions
- Retain Existing Trees
- Limit Field Disturbance
- Garden Space
- Ease of Construction Phasing
- Acoustical Separation
- Bio Breaks
- SCA Separate From Public
- Convenient Pullout Spaces
- PTO Amenities
- Ease of Way-Finding
- Access to Core Spaces
- Pre-K & Panda Adjacency
- Dedicated Teachers Lounge
- Indoor/Outdoor Connection
- Security and Access Control
- Flexible Spaces
- Staff Parking Proximity
- Universal & Accessible

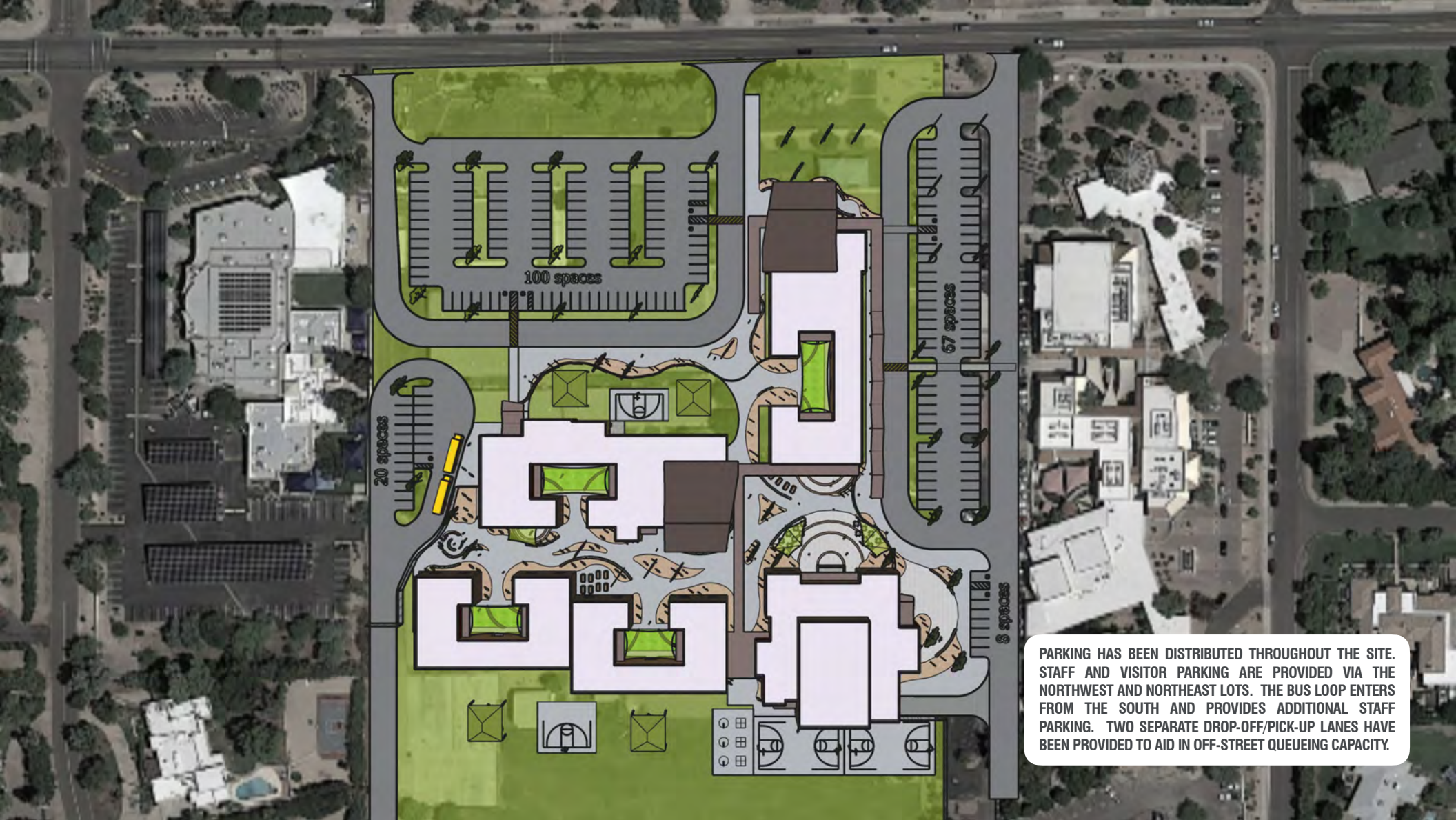
NOTE: This list is not prioritized



THE FOLLOWING SERIES OF IMAGES ARE STILL SHOTS FROM A SKETCHUP MODEL THAT HAS BEEN DEVELOPED TO RELAY DESIGN INFORMATION TO THE VISIONING COMMITTEE AND GREATER COMMUNITY. SKETCHUP IS A TOOL USED TO CREATE SKETCH CONCEPTS, AND IS NOT INTENDED TO BE AN ACCURATE DRAFTING TOOL. AS THE DESIGN DEVELOPS FURTHER, MODIFICATIONS CAN BE EXPECTED FROM WHAT IS DISPLAYED HERE.

THESE IMAGES REPRESENT A SCHEMATIC LEVEL OF UNDERSTANDING OF THE SITE ARRANGEMENT, SITE CIRCULATION, OUTDOOR LEARNING AND GATHERING OPPORTUNITIES, AND LASTLY THE ARCHITECTURAL FORM S AND PROPOSED BUILDING MATERIALS.

KIVA ELEMENTARY
OVERALL SITE PLAN



PARKING HAS BEEN DISTRIBUTED THROUGHOUT THE SITE. STAFF AND VISITOR PARKING ARE PROVIDED VIA THE NORTHWEST AND NORTHEAST LOTS. THE BUS LOOP ENTERS FROM THE SOUTH AND PROVIDES ADDITIONAL STAFF PARKING. TWO SEPARATE DROP-OFF/PICK-UP LANES HAVE BEEN PROVIDED TO AID IN OFF-STREET QUEUEING CAPACITY.



APPROXIMATELY 75 SPACES ARE PROVIDED VIA A SHARED LOT WITH THE NEIGHBORING CHURCH TO THE EAST OF CAMPUS. THIS DROP-OFF/PICK-UP SERVES THE 2ND, 3RD, 4TH AND 5TH GRADE SCHOOL POPULATION. TRAFFIC IMPACT STUDIES ARE UNDERWAY. THE CURRENT DESIGN INCORPORATES A DOUBLE LANE FOR DROP-OFF/PICK-UP AND THE TRAFFIC IS DIRECTED BACK ONTO EAST MCDONALD DRIVE.



THE NORTHWEST LOT IS INTENDED FOR PRE-K, KINDERGARTEN, AND 1ST GRADE PARENTS/STUDENTS. APPROXIMATELY 100 SPACES AND A PARENT DROP-OFF/PICK-UP ARE PROVIDED.



PRE-K STUDENTS ARE REQUIRED TO BE ESCORTED TO THE BUILDING AND SIGNED IN AND OUT. A SEPARATE BUILDING ENTRANCE TO THE WEST END OF CAMPUS PROVIDES ENTRY FOR THESE FAMILIES. PARKING AND A CROSSWALK HAVE BEEN FURNISHED FOR EASE OF ACCESS AND OPERATIONAL EFFICIENCY.

THE BUS LOOP ARRIVES FROM THE SOUTH AND DROPS STUDENTS AT A GATED ENTRY TO CAMPUS.



A SECURITY FENCE WILL SURROUND THE CAMPUS AT ITS PERIMETER, SEPARATING PUBLIC SPACE FROM SPACE RESERVED FOR STAFF AND STUDENTS. A SECURITY VESTIBULE WILL BE PROVIDED AT THE ENTRY TO THE ADMINISTRATION BUILDING FOR VISITORS AND PARENTS TO CHECK IN.

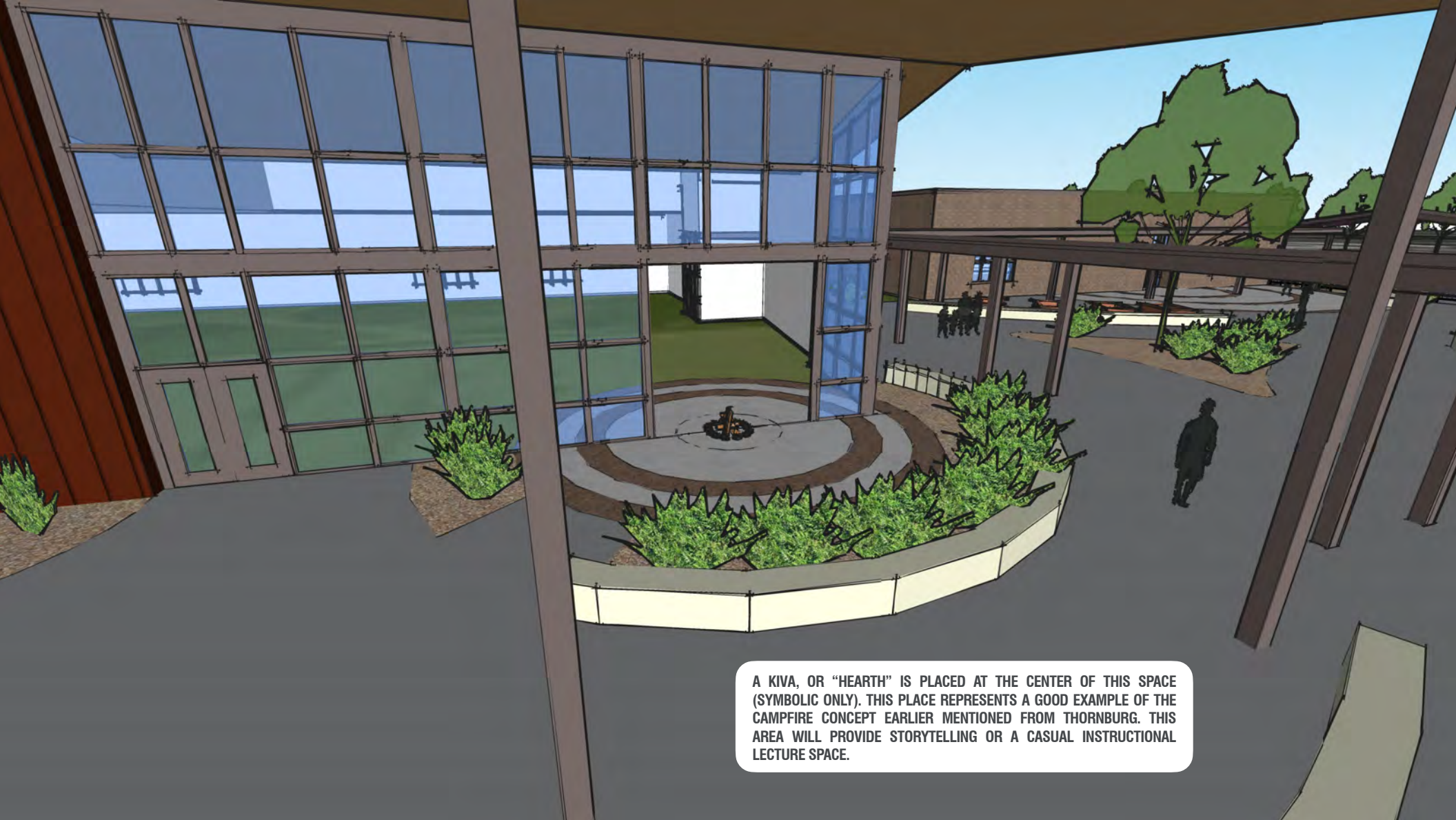
THE LAYOUT OF THE PHYSICAL FENCE WILL BE A COMBINATION OF FENCE AND SCREEN WALLS, AS WELL AS UTILIZING THE BUILDING AS OFTEN AS POSSIBLE.



A VARIETY OF OUTDOOR LEARNING AND GATHERING OPPORTUNITIES ARE ACCOMMODATED FOR WITHIN THE SITE DESIGN. PRINCIPLES FROM THORNBURG'S PRIMORDIAL LEARNING METAPHORS ARE USED TO CREATE UNIQUE OUTDOOR LEARNING OPPORTUNITIES THAT FOCUS ON SOCIAL AND EMOTIONAL LEARNING(SEL). EXAMPLES OF THESE METAPHORS ARE CAMPFIRE, CAVE, WATERHOLE AND LIFE. THESE ARE SPACES DESIGNED TO ALLOW FOR DIFFERENT LEARNING STYLES AND DIFFERENT LEARNING ACTIVITIES.



AT THE CENTER OF CAMPUS, A KIVA IS LOCATED WITHIN THE MEDIA CENTER. THIS KIVA WILL PROVIDE AREAS FOR SMALL OR MEDIUM SIZED STUDENT GROUPINGS FOR A VARIETY OF ACTIVITIES. THE ADJACENT EXTERIOR SPACE IS DESIGNED TO BE AN OUTDOOR CLASSROOM.



A KIVA, OR “HEARTH” IS PLACED AT THE CENTER OF THIS SPACE (SYMBOLIC ONLY). THIS PLACE REPRESENTS A GOOD EXAMPLE OF THE CAMPFIRE CONCEPT EARLIER MENTIONED FROM THORNBURG. THIS AREA WILL PROVIDE STORYTELLING OR A CASUAL INSTRUCTIONAL LECTURE SPACE.



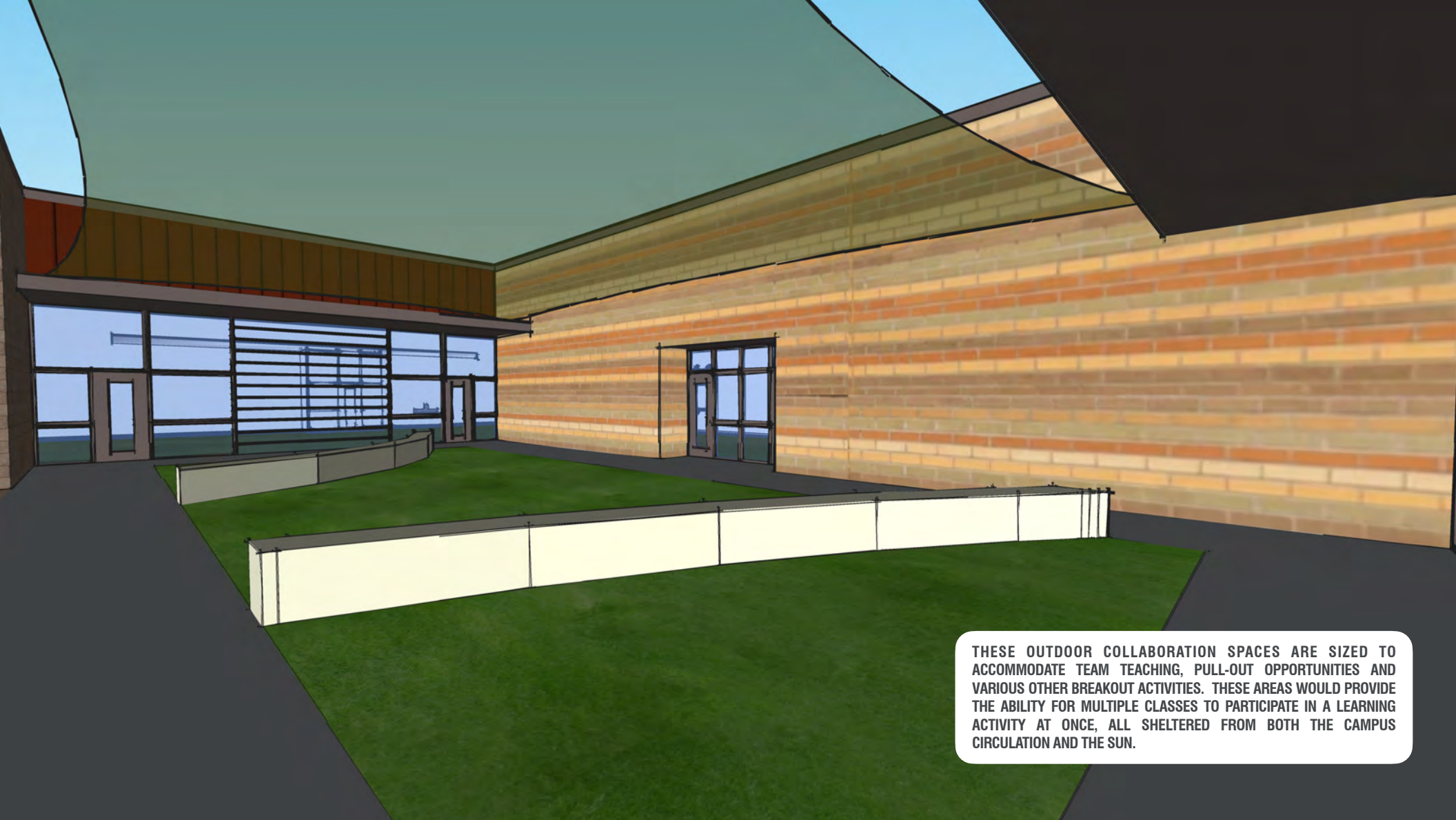
A SOUTH FACING OUTDOOR CLASSROOM IS LOCATED SOUTH OF THE ADMINISTRATION AND KINDERGARTEN/1ST GRADE BUILDING. RAISED GARDEN BEDS ARE PROVIDED, AND FURTHER DEVELOPMENT OF THIS SPACE WILL FOCUS ON CREATING A FUNCTIONAL OUTDOOR LEARNING AND ACTIVITY AREA.



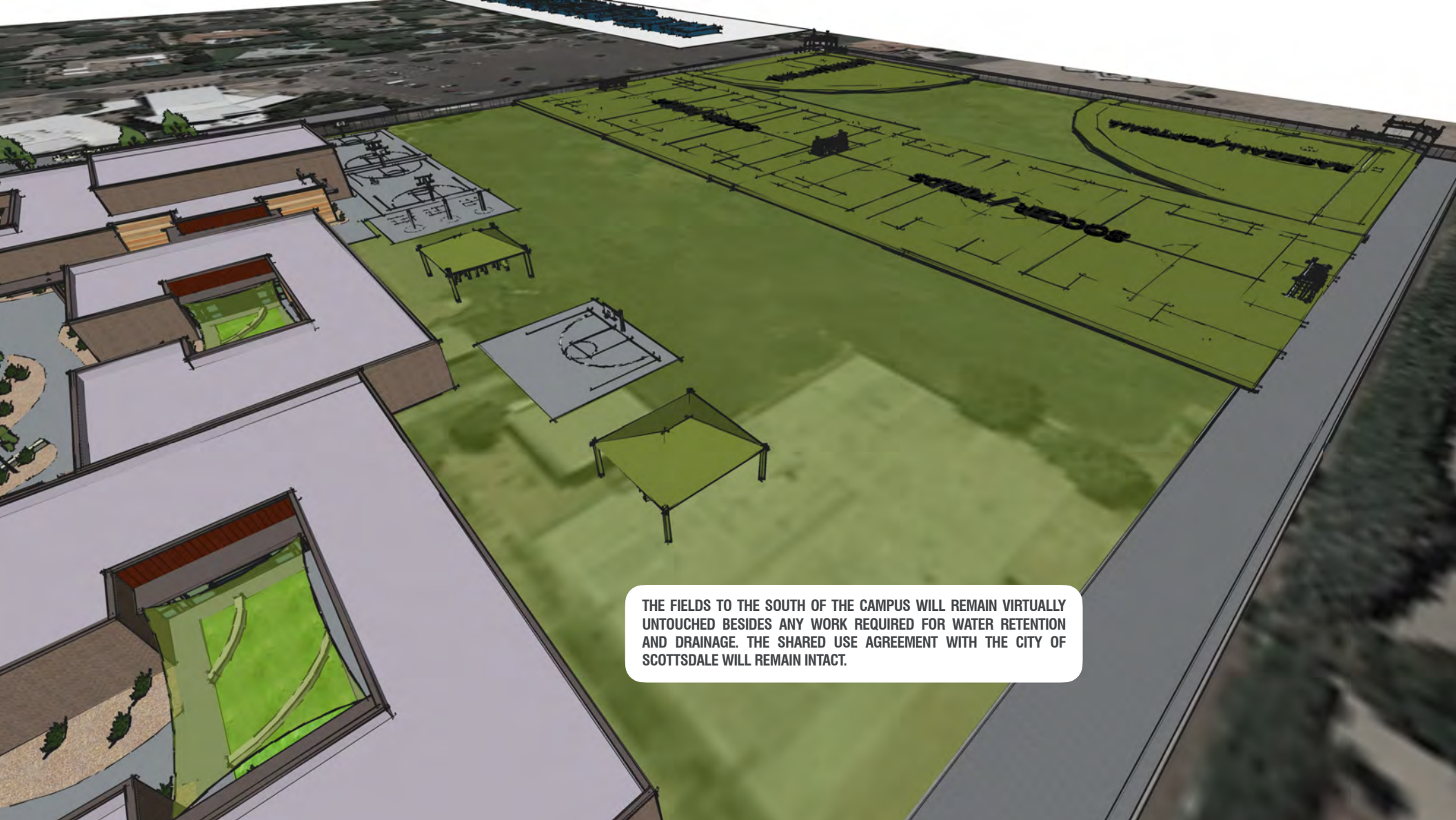
THE MULTI-PURPOSE BUILDING IS DESIGNED WITH A TWO SIDED STAGE THAT OPENS NOT ONLY TO THE INTERIOR ASSEMBLY SPACE, BUT ALSO TO THE NORTH EXTERIOR AMPHITHEATER. THIS SPACE WILL DOUBLE AS OUTDOOR DINING FOR THE STUDENTS AND PROVIDE A LARGE AREA FOR PERFORMANCES AND OTHER EVENTS.



FOUR INTERIOR COURTYARDS OR OUTDOOR COLLABORATION PODS ARE ARRANGED THROUGHOUT THE CAMPUS TO PROVIDE EACH AGE CLUSTER AN OUTDOOR LEARNING ENVIRONMENT THAT CONNECTS TO THEIR INTERIOR BREAKOUT AND COLLABORATION SPACES. THIS REINFORCES THE INDOOR/OUTDOOR CONNECTION DESIRED.



THESE OUTDOOR COLLABORATION SPACES ARE SIZED TO ACCOMMODATE TEAM TEACHING, PULL-OUT OPPORTUNITIES AND VARIOUS OTHER BREAKOUT ACTIVITIES. THESE AREAS WOULD PROVIDE THE ABILITY FOR MULTIPLE CLASSES TO PARTICIPATE IN A LEARNING ACTIVITY AT ONCE, ALL SHELTERED FROM BOTH THE CAMPUS CIRCULATION AND THE SUN.



THE FIELDS TO THE SOUTH OF THE CAMPUS WILL REMAIN VIRTUALLY UNTOUCHED BESIDES ANY WORK REQUIRED FOR WATER RETENTION AND DRAINAGE. THE SHARED USE AGREEMENT WITH THE CITY OF SCOTTSDALE WILL REMAIN INTACT.



THE MULTI-PURPOSE BUILDING HOUSES TWO HIGH-BAY PHYSICAL EDUCATION CLASSROOMS. THE SOUTHERN MOST CLASSROOM WILL OPEN DIRECTLY ONTO THE EXTERIOR COURTS TO ALLOW FURTHER INDOOR/OUTDOOR CONNECTION



THE KINDERGARTEN AND 1ST GRADE POD OPENS TO THE WEST, AND CONNECTS TO THE PLAYGROUNDS FOR THOSE GRADES. A PERIMETER FENCE AND SCREEN WALL PROVIDES SEPARATION FROM THE EXTERIOR OF CAMPUS. EACH PLAYGROUND IS STRATEGICALLY LOCATED NEAR THEIR ASSOCIATED AGE CLUSTER/POD.



THE ADMINISTRATION BUILDING IS LOCATED NEAR EAST MCDONALD DRIVE, AND IS ORIENTED TO BOTH THE EAST AND WEST FOR AN INTUITIVE ARRIVAL SEQUENCE FROM EITHER PARKING LOT. ITS LOCATION ON THE SITE PROMOTES GOOD STREET PRESENCE AND CURB APPEAL, WHILE KEEPING THE MAJORITY OF THE PARKING AND CAMPUS WELL SCREENED BY LANDSCAPE.

THE DESIGN AFFORDS INCLUSION OF A PARENT/VISITOR COURTYARD SPACE FOR BEFORE AND AFTER SCHOOL GATHERINGS. A MAJOR CONCEPT DERIVED FROM COMMUNITY INPUT IS THAT THE KIVA VIBE AND COMMUNITY FEEL IS CREATED BY THE SOCIAL INTERACTIONS THAT HAPPEN CURRENTLY ON CAMPUS. THE NEW DESIGN STRIVES TO CREATE AMPLE OPPORTUNITIES FOR THESE SPECIAL SOCIAL COLLISIONS TO OCCUR.

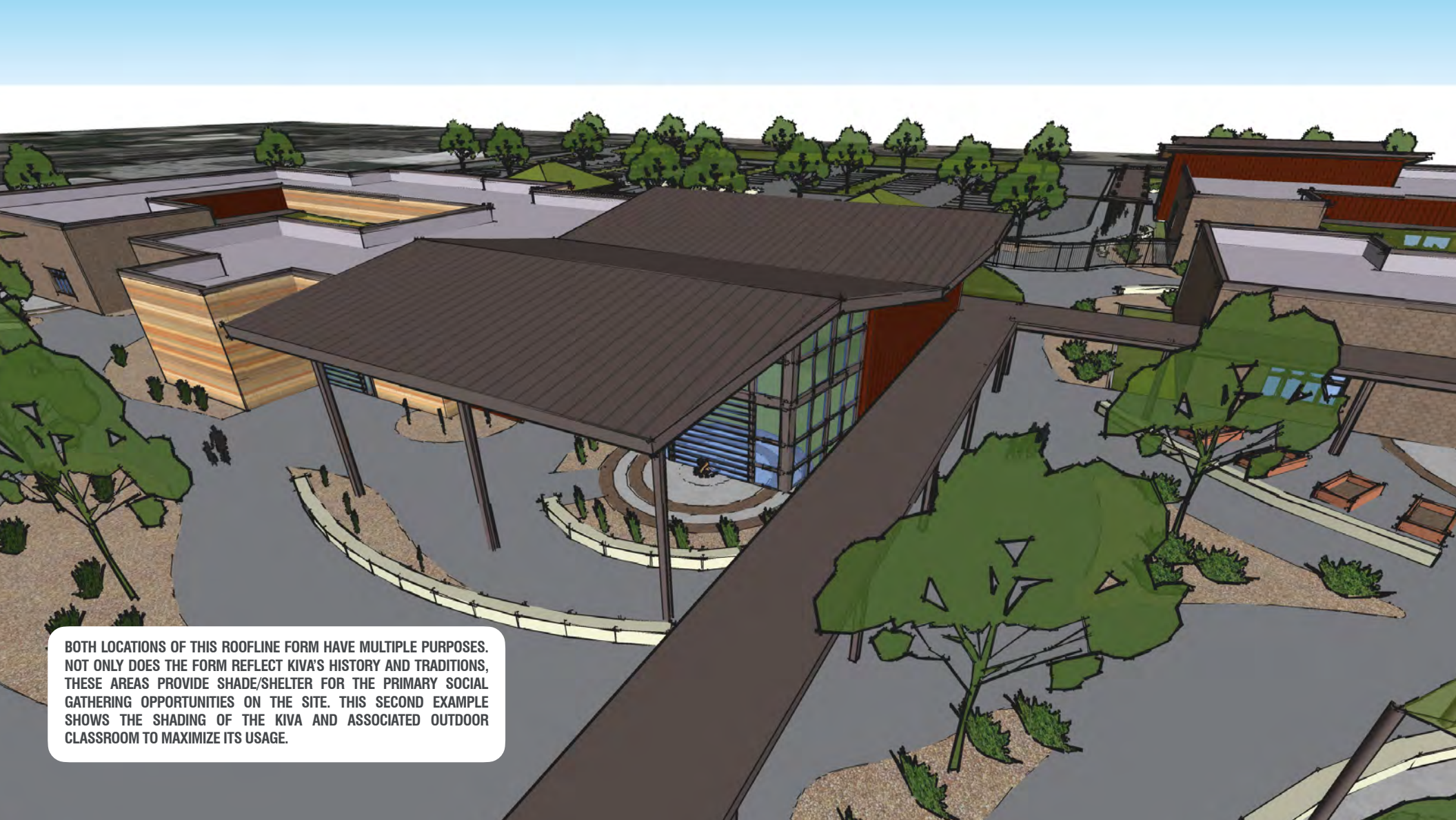




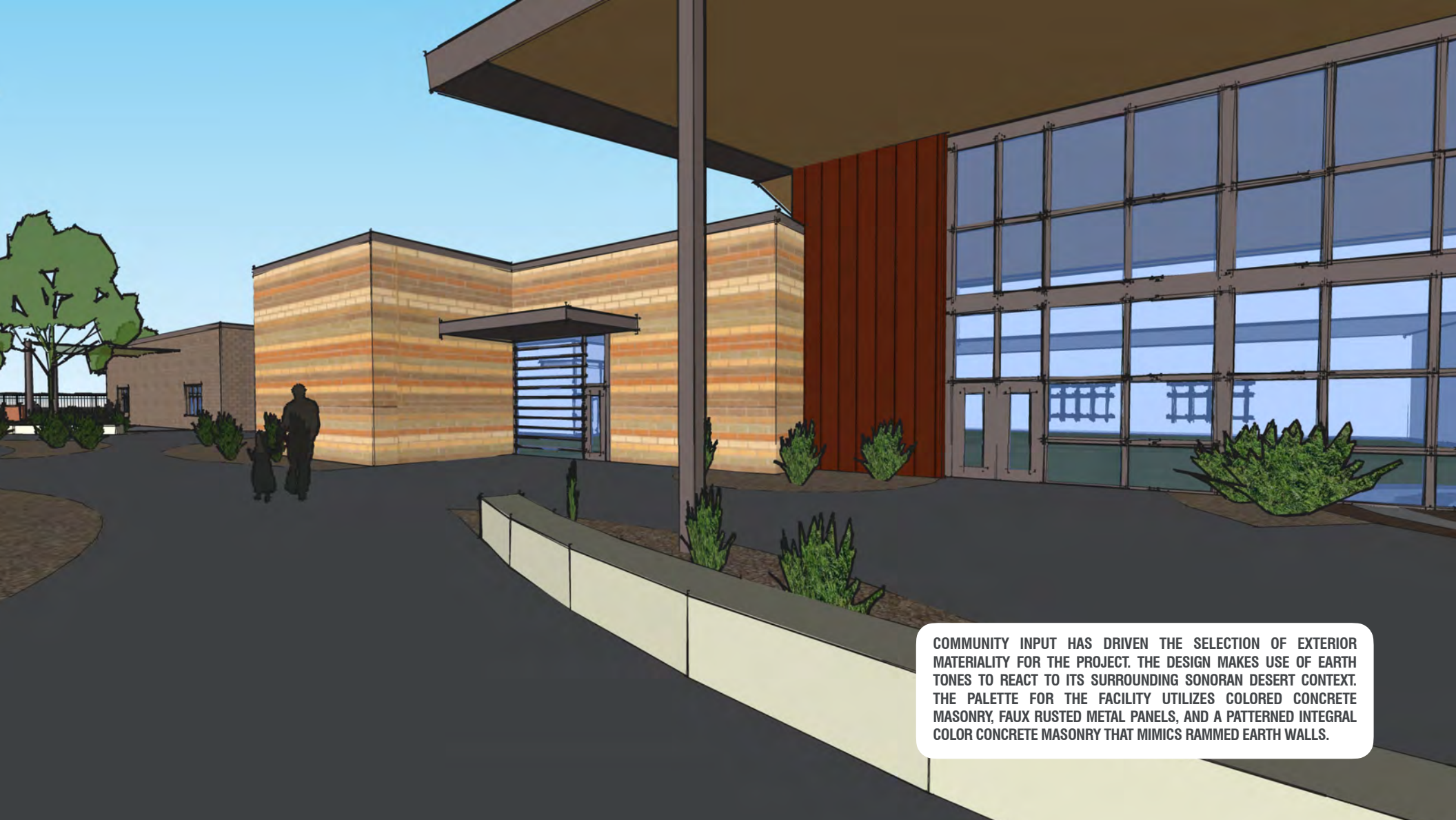
THE PROPOSED ARCHITECTURAL FORMS REACT TO THE EXISTING ROOFLINE OF KIVA'S FINGER WING CAMPUS. THIS PATTERN OF ROOFLINES WERE THEN ABSTRACTED AND RECREATED WITHIN THE CANOPY AND ROOFLINE DESIGN OF THE NEW FACILITY. CREATIVE REUSE OF THESE EXISTING FORMS RECREATES THE FEEL AND VIBE OF THE EXISTING CAMPUS.

BOTH LOCATIONS OF THIS ROOFLINE FORM HAVE MULTIPLE PURPOSES. NOT ONLY DOES THE FORM REFLECT KIVA'S HISTORY AND TRADITIONS, THESE AREAS PROVIDE SHADE/SHELTER FOR THE PRIMARY SOCIAL GATHERING OPPORTUNITIES ON THE SITE. THIS FIRST EXAMPLE SHOWS THE SHADING OF THE PARENT/VISITOR COURTYARD SPACE TO MAXIMIZE ITS USAGE.





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COMMUNITY INPUT HAS DRIVEN THE SELECTION OF EXTERIOR MATERIALITY FOR THE PROJECT. THE DESIGN MAKES USE OF EARTH TONES TO REACT TO ITS SURROUNDING SONORAN DESERT CONTEXT. THE PALETTE FOR THE FACILITY UTILIZES COLORED CONCRETE MASONRY, FAUX RUSTED METAL PANELS, AND A PATTERNED INTEGRAL COLOR CONCRETE MASONRY THAT MIMICS RAMMED EARTH WALLS.


Thank you!
orcutt | winslow