

BOARD OF EDUCATION OF HARFORD COUNTY

INFORMATIONAL REPORT

**DECISION ON SCHOOL/ORGANIZATION SPONSORED PROJECT
EDGEWOOD ELEMENTARY SCHOOL
OUTDOOR CLASSROOM BEAUTIFICATION AND REVIVAL PROJECT**

September 26, 2016

Background Information:

Currently Edgewood Elementary School (EDES) is equipped with an outdoor classroom. The existing outdoor classroom structure is aging and is in need of various improvements. Refurbishment of the existing outdoor classroom includes the demolition of existing structures and the construction of a new classroom, to include, a new wooded patio area with a fence enclosure and a teacher's work station. The proposed scope of work will beautify, update, and better define the current space. Additional enhancements include, provisions for additional ramping, as required to meet, as set forth by the American with Disabilities Act (ADA) of 1990. When desired, this type of requirement becomes the responsibility of the local school community and is coordinated under the HCPS School/Organization Sponsored Project process.

Discussion:

Edgewood Elementary School is seeking approval to remove the existing outdoor classroom structures and to construct a new outdoor classroom patio and teacher's work station. The work of this project will be performed by the Lowe's of Abingdon and volunteers from the United States Army Medical Research Institute of Chemical Defense (USAMRICD). The work will be jointly managed by EDES and USAMRICD staff members. Observation and inspection will be performed by the HCPS Facilities Management Department to ensure compliance with the proposed scope of work.

The Lowe's of Abingdon, through the Toolbox for Education Grant and the USAMRID, through additional fundraising efforts, are contributing funds for this project.

All of the necessary documentation has been submitted, reviewed, and approved by the appropriate school system staff, with comments through the Assistant Superintendent for Operations, as required by school system procedures. The established budget is as follows:

- | | |
|---|-------------------|
| • Outdoor Classroom (Tool Box for Education Grant) | \$5,000.00 |
| • Butterfly Garden and Seating (USAMRICD Fundraising) | \$1,500.00 |
| • Total Cost Budgeted | \$6,500.00 |

Superintendent's Recommendation:

The Superintendent of Schools recommends that the Board of Education approve the request by Edgewood Elementary School for the Outdoor Classroom Beautification and Revival Project for the amount of \$6,500.

**REQUEST FOR APPROVAL
PROPOSED SCHOOL/ORGANIZATION
SPONSORED PROJECT APPROVAL REQUEST**

(1) SCHOOL/FACILITY NAME:

Edgewood Elementary

(2) SCHOOL/FACILITY ADDRESS:

2100 Cedar Drive
Edgewood, MD 21040

(3) SPONSOR(S):

Lowe's of Abingdon

(4) SPONSORS CONTACT:

Jeff Topper

(5) ADDRESS:

414 Constant Friendship Blvd
Abingdon, MD 21009, Store #2589

(6) SPONSOR'S CONTACT INFORMATION:

Telephone Number - 443-456-7080

Fax Number – 443- 456- 7083

Email Address - jeffery.c.topper@store.lowes.com

(7) PROJECT NAME:

Outdoor Classroom Beautification and Revival Project

(8) PROJECT DESCRIPTION: (Attach Drawing, site plan, location plan)

Refurbishment of existing Outdoor Classroom including the demolition of existing structures and building of a new classroom. The project consists of a wooded patio area with a fence enclosure and a teacher's work station. Please see plans for the final project, as well as pictures of the current site, here:

 [EE Outdoor Classroom Complete Presentation \[Aut...](#)

(9) PERFORMANCE OF WORK:

Describe who will perform the work associated with the project, and their specific qualifications.

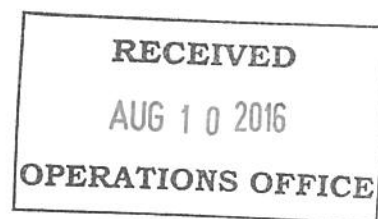
Volunteers from US Army Medical Research Institute of Chemical Defense (USAMRICD), specifically:

SPC Jeffrey Augustin-Project Manager

SPC Shasta Gutierrez_ Fundraiser Lead

Ms. Thuy Dao -Project Manager

Mr. Sherwin Sapasap-Fundraiser, Public Relations



SSG Trenise Porchsylvester- Fundraising

(10) **MANAGEMENT OF PROJECT:**

Describe who will be responsible for the development, coordination, completion, and follow-up of the project from the school/location and from the sponsor.

Caitlin Sieracki, Title I Teacher Specialist at Edgewood Elementary, wrote the grant, contacted our partners at USAMRICD, and has worked with them to coordinate meetings, complete necessary paperwork, help develop the site plan, and develop a timeline for completion. She is in contact with the sponsor, Lowe's, to ensure the guidelines of the Toolbox for Education grant are met.

Our sponsor from our local Lowe's store is Jeff Topper. He has worked with our team to pick out cost-effective materials and help in the development of our site plan.

(11) **ESTIMATE OF COST:**

Provide an estimate of the projected costs associated with the planning, construction, purchase, permits, and services for this project.

\$5,000- will be utilized on the building materials and renting of any necessary equipment to complete the space

\$1,000- \$1,500- for additional, nonessential projects, such as the butterfly garden and stools for seating.

(12) **FUNDING SOURCE:**

Describe how funds will be provided or all aspects of the project.

\$5,000- awarded through the Toolbox for Education grant from Lowe's

\$1,000- \$1,500- through additional fundraising efforts spearheaded by the USAMRICD and other community partners

SCHOOL SYSTEM IMPACT:

Describe how this project will impact the school system in the following categories:

(13) **Funding:** There will be no impact. This project is fully funded through the Lowe's Toolbox for Education grant and fundraising efforts will cover any additional projects.

(14) **Physical impact on existing building and/or site:** There will be minimal impact, as the site is already utilized for an existing outdoor classroom. It will beautify, update, and define the current space. It will also provide an additional ramp to make the site meet ADA requirements.

(15) **Additional equipment and materials required:** Unsure. Items will be identified with assistance of Lowe's specialist

(16) **Maintenance (short and long term):** The materials purchased have specifically been chosen with our sponsor to be weather-resistant and last several decades.

(17) **Staffing (short and long term):** No staffing is required for the space.

(18) **Utilities (short and long term):** No utilities are required for the space.

(19) **Monthly/Quarterly/Yearly Charges:** There are no ongoing charges for this space.

(20) **Permits required (list):** None. Building on existing site.

(21) **Environmental Impact:** Negligible. In fact the plan is to eventually install birdhouses and/or a butterfly garden to make the spot a sanctuary for animals and an additional learning opportunity for our students.

(22) **Other:**

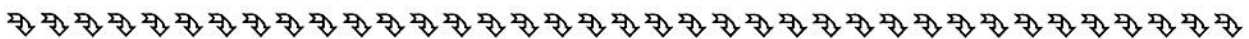
(23) **COMMUNITY IMPACT:**
Describe how the project will impact the community-at-large

We feel as though this updated and revitalization project will positively impact our community as beautification efforts are always appreciated and necessary in a community that is underserved and often overlooked. In addition, we hope this outdoor learning space will encourage our families to attend academic events, such as American Education week, in order to work alongside their student and learn the benefits of our Outdoor Classroom.

(24) **ENDORSEMENTS:**
Attach written letters of endorsement for this project by the sponsoring organization and the school principal or highest-ranking location administrator.

See attached.

DO NOT WRITE BELOW THIS LINE



Superintendent Copy

Assistant Superintendent Copy

Director Copy

Principal Endorsement

Funding Commitment

Department Reviews Complete

Board of Education Initial Review

Department of Parks & Recreation

Follow-up Correspondence

07-13-16



EDGEWOOD ELEMENTARY SCHOOL

2100 Cedar Drive • Edgewood, Maryland • 21040

(410) 612-1540 • fax (410) 612-2013

Cynthia Ross, Principal

*Jeanna Gentile, Assistant Principal
Laurie Ascenzi, Instructional Facilitator*

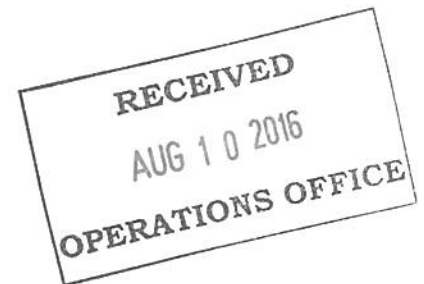
August 9, 2016

To the Office of Operations:

This is a letter of my endorsement for the Outdoor Classroom Beautification and Revival Project. Thank you for reviewing our approval request.

Thank you,

Cynthia Ross, Principal Edgewood Elementary



USAMRICD

Community Outreach

Edgewood Elementary School
OUTDOOR CLASSROOM PROJECT



RECEIVED

AUG 18 2016

OPERATIONS OFFICE

Current State.....



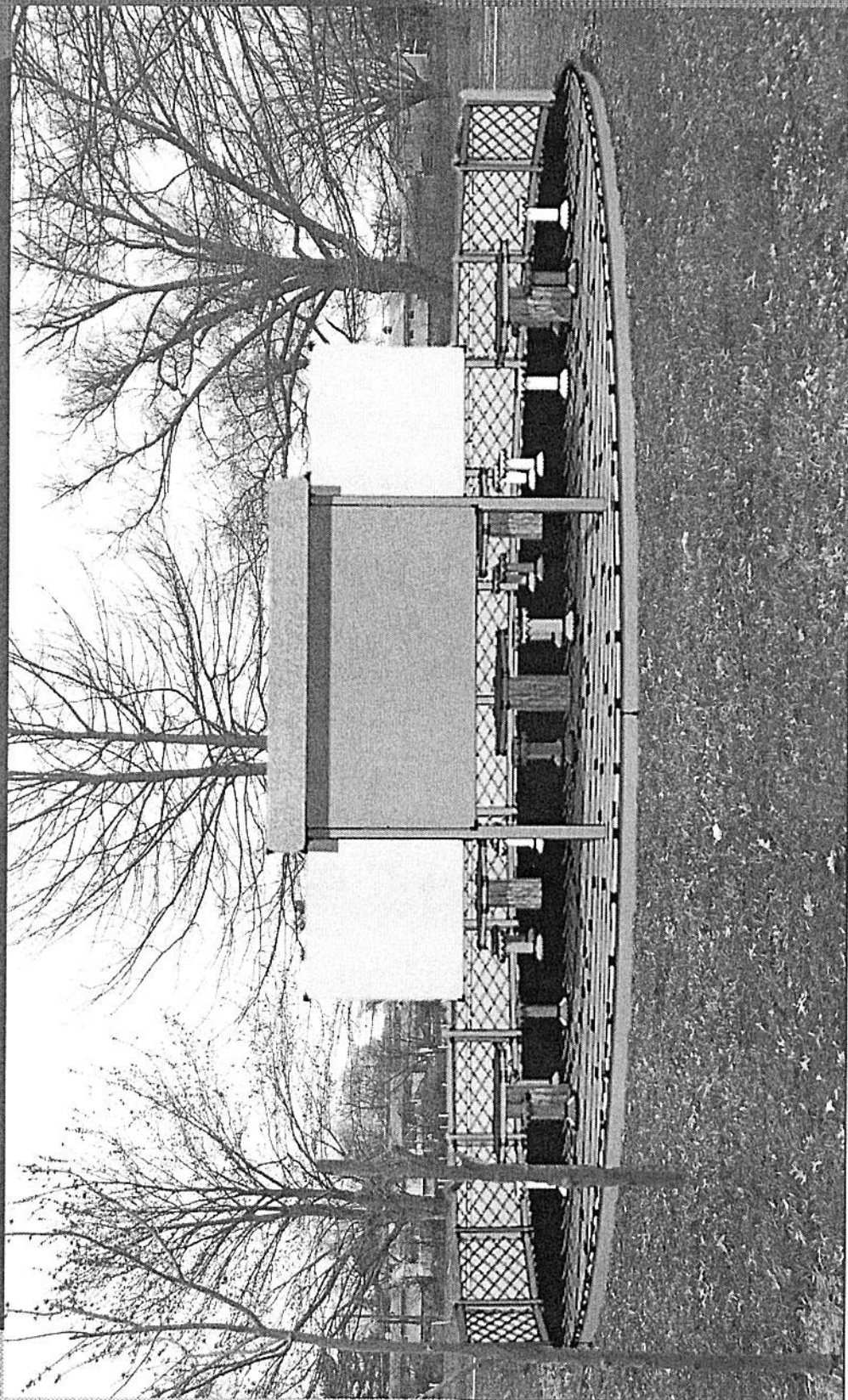
Current State.....

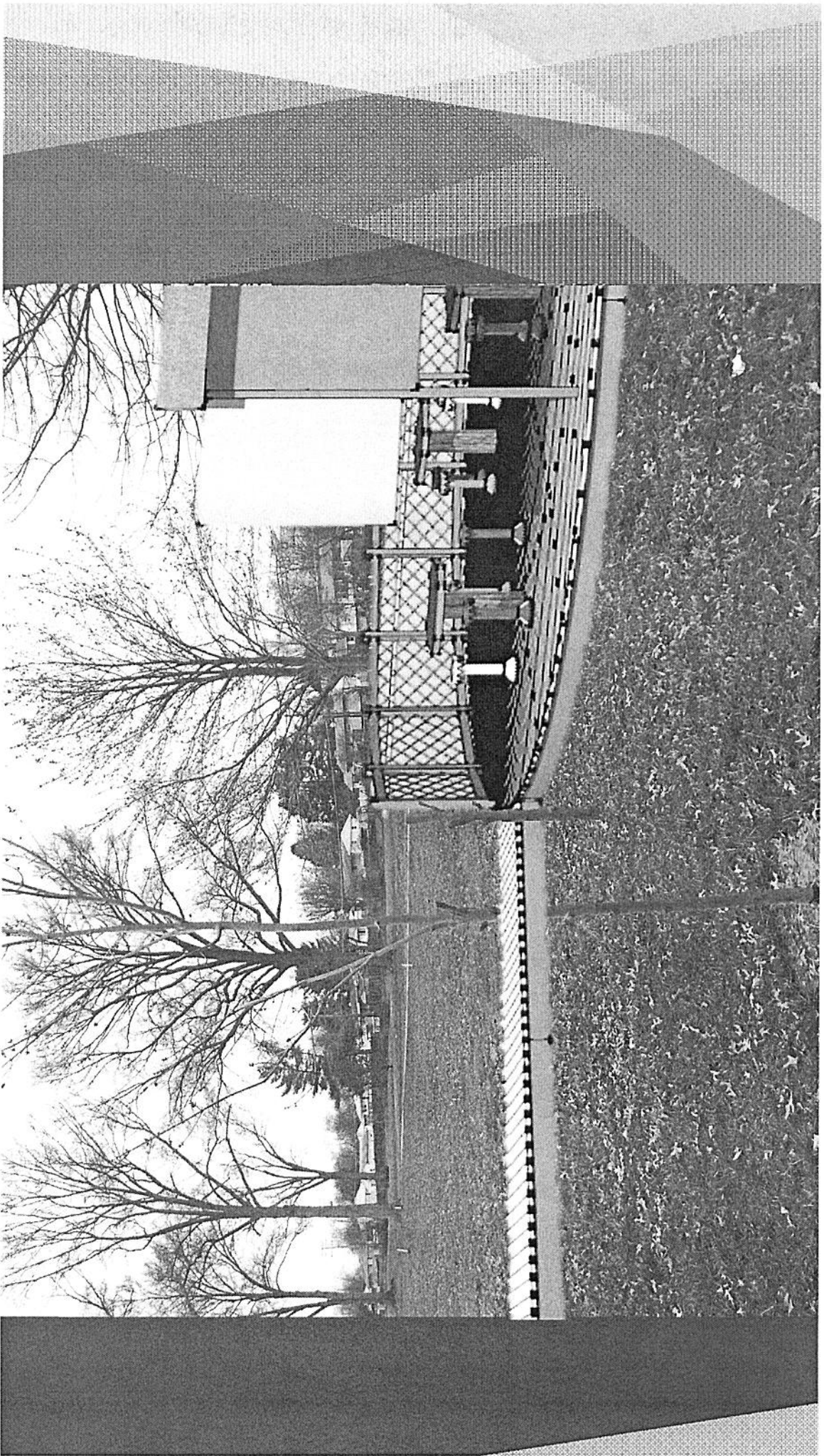


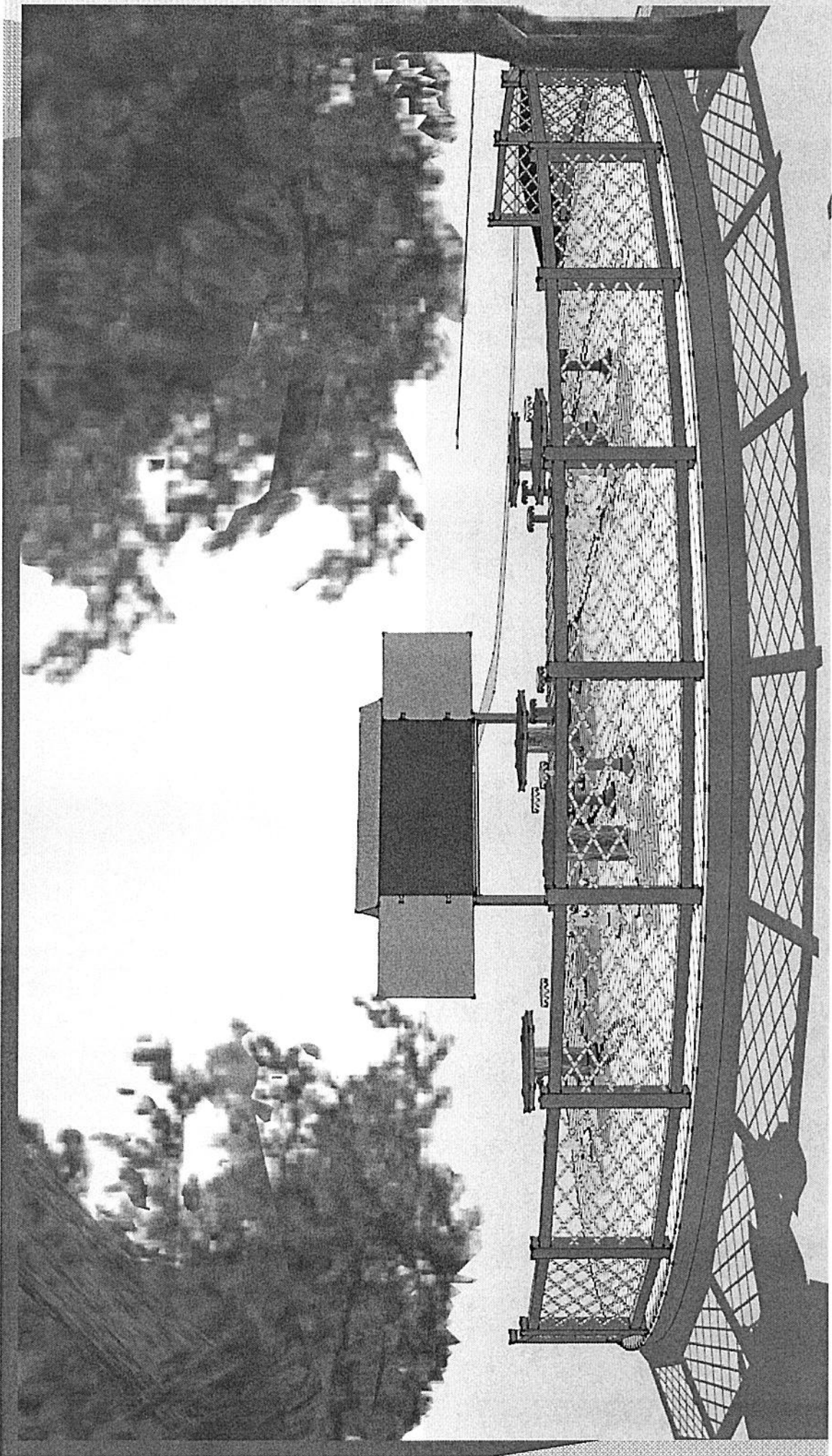
Current State.....

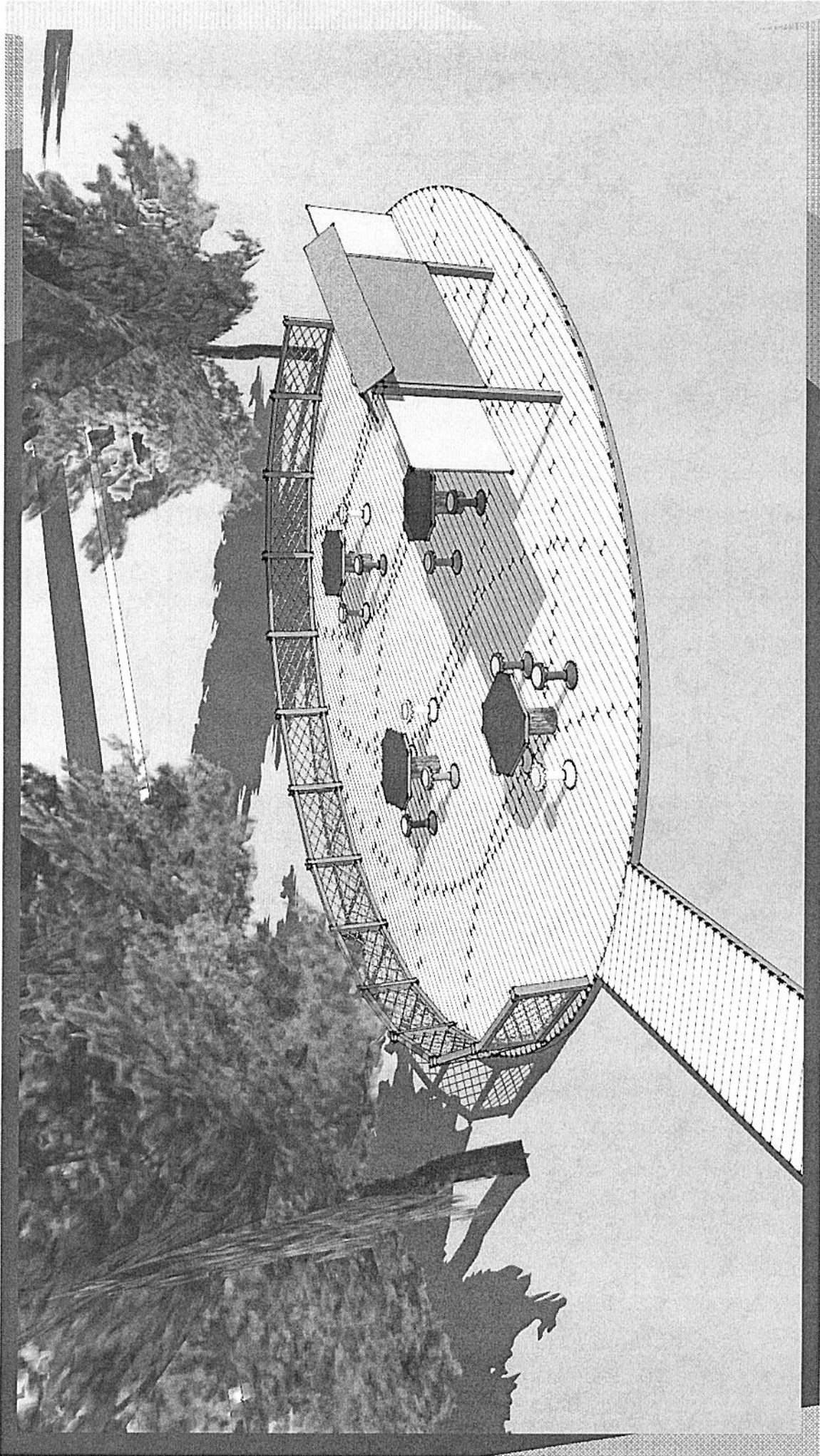


The Inspiration.....









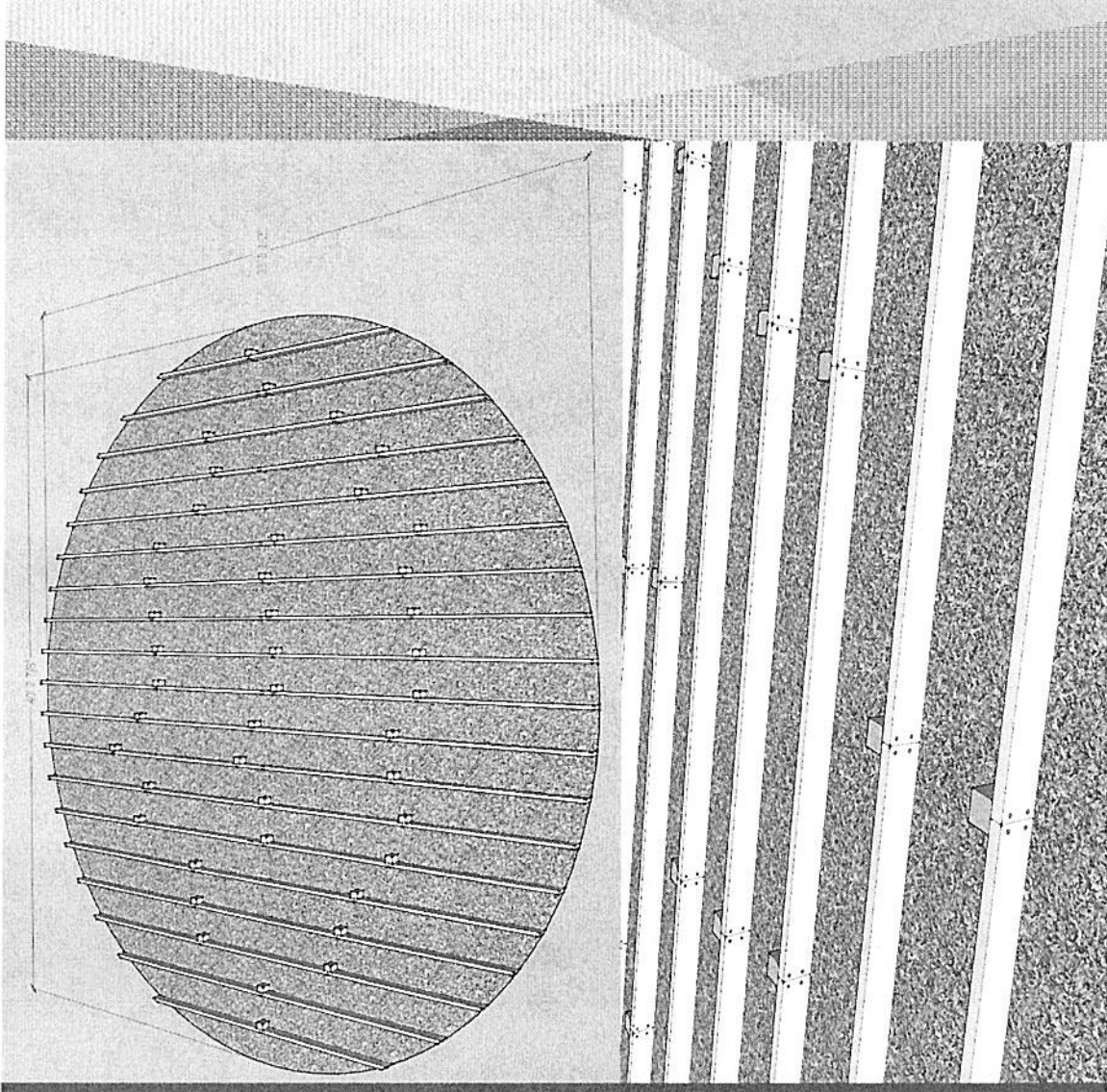
The Plan.....

- Phase I: Demolition Saturday
- The entire space will be cleared out
- Old wood discarded
- Hand carved messages will be held over for repurposing
- Ground preparations / layout will be made for the new classroom's main deck



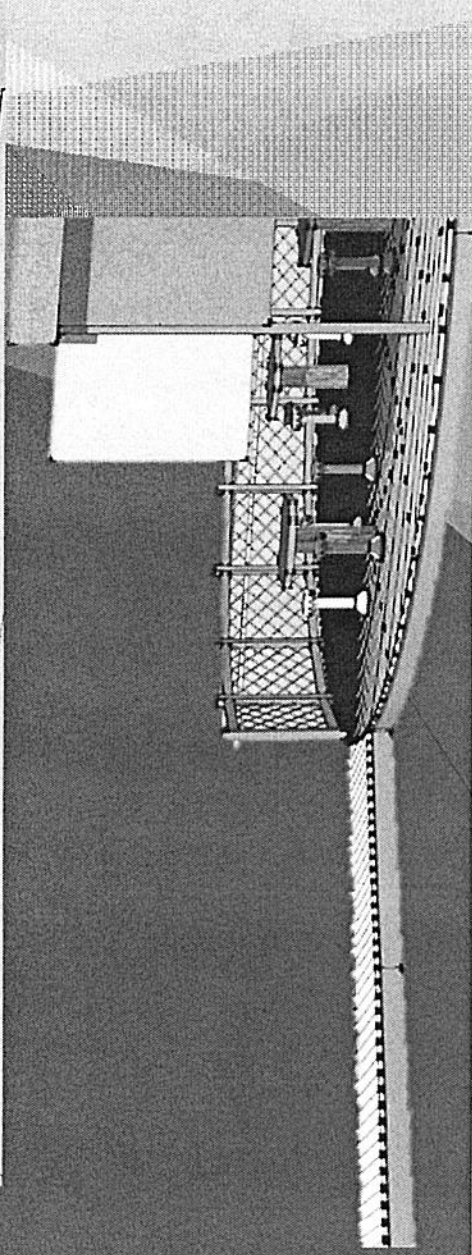
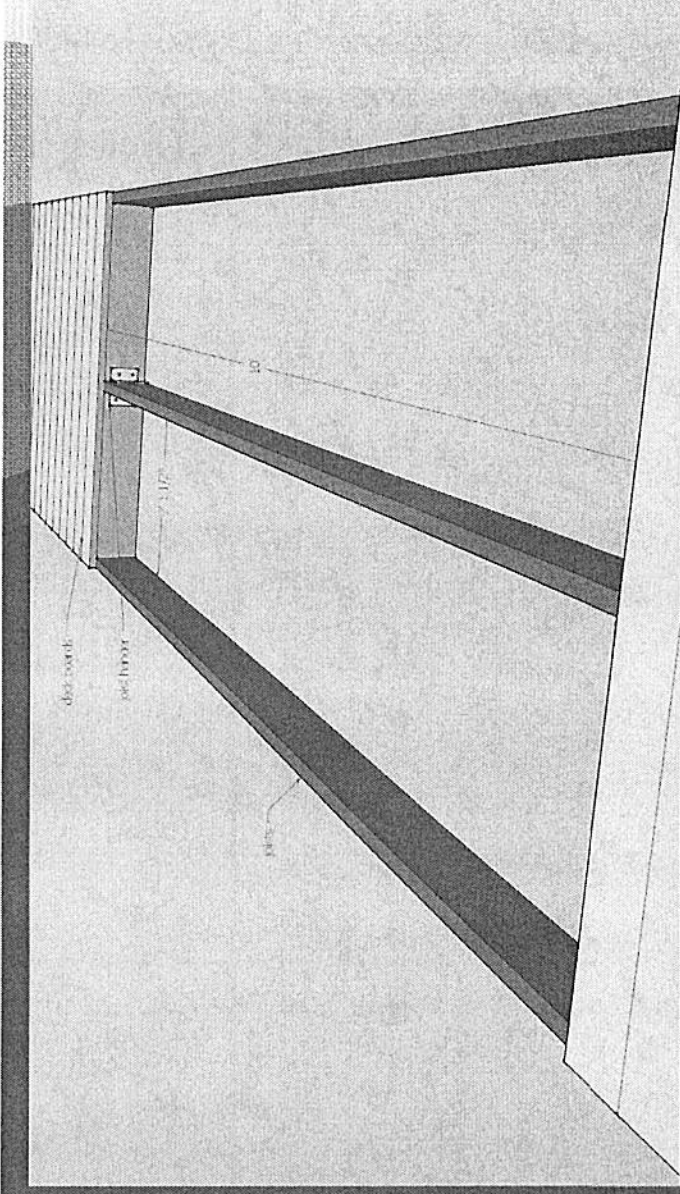
The Plan.....

- Phase 2: All Hands on Deck
- Construction of main deck flooring for the classroom space
- Low to ground, low maintenance, and long lasting!
- Ground preparations/ layout for walkway and table installment



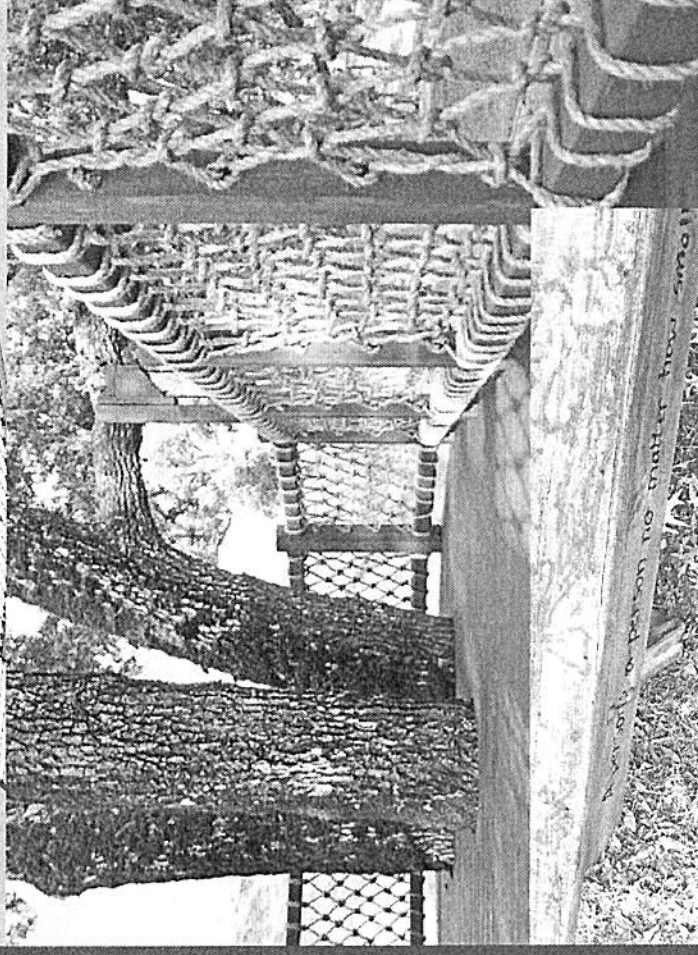
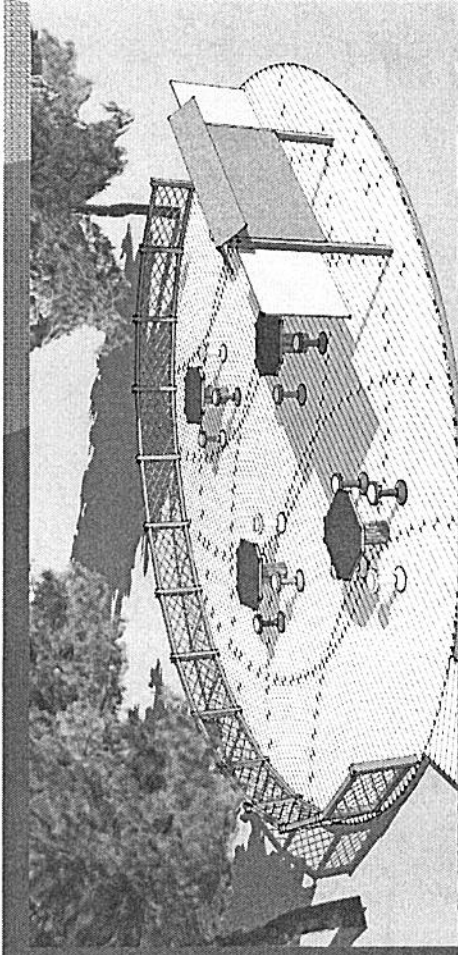
The Plan.....

- Phase 3: Pathway to Success
 - Build and Install ADA compliant Walkway/Ramp
 - Ramp extends 38.5 feet from paved path to classroom deck and 4 feet wide
 - Build and Install Tables with Tabletops
 - Preparations for Teacher's Blackboard, Blackboard Tabletops, and Fence



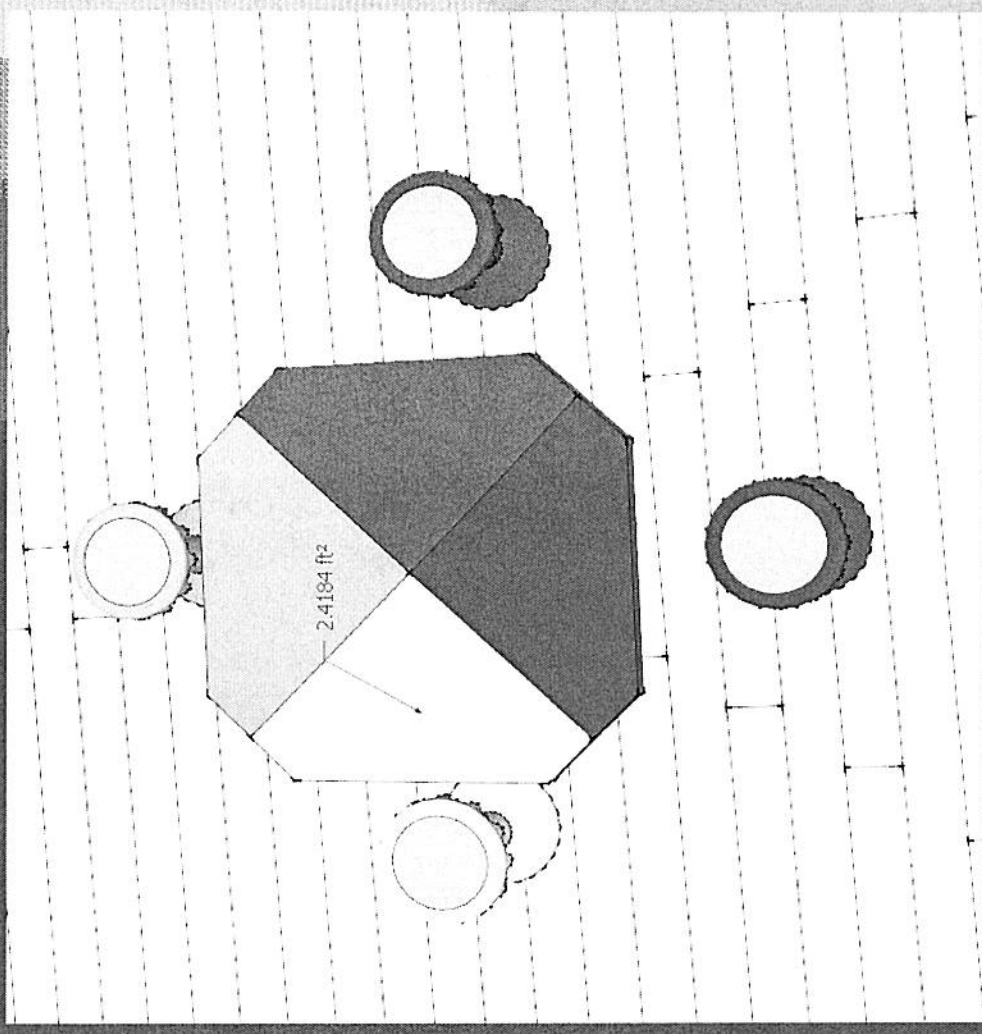
The Plan.....

- Phase 4: Mending Fences
 - Build and Install Semi-Circular Rope Netting Fence
 - Hand Carved Messages repurposed and installed as part of new fencing
 - Build and Install Teacher's Blackboard
 - Blackboard protected with door and awning



The Plan.....

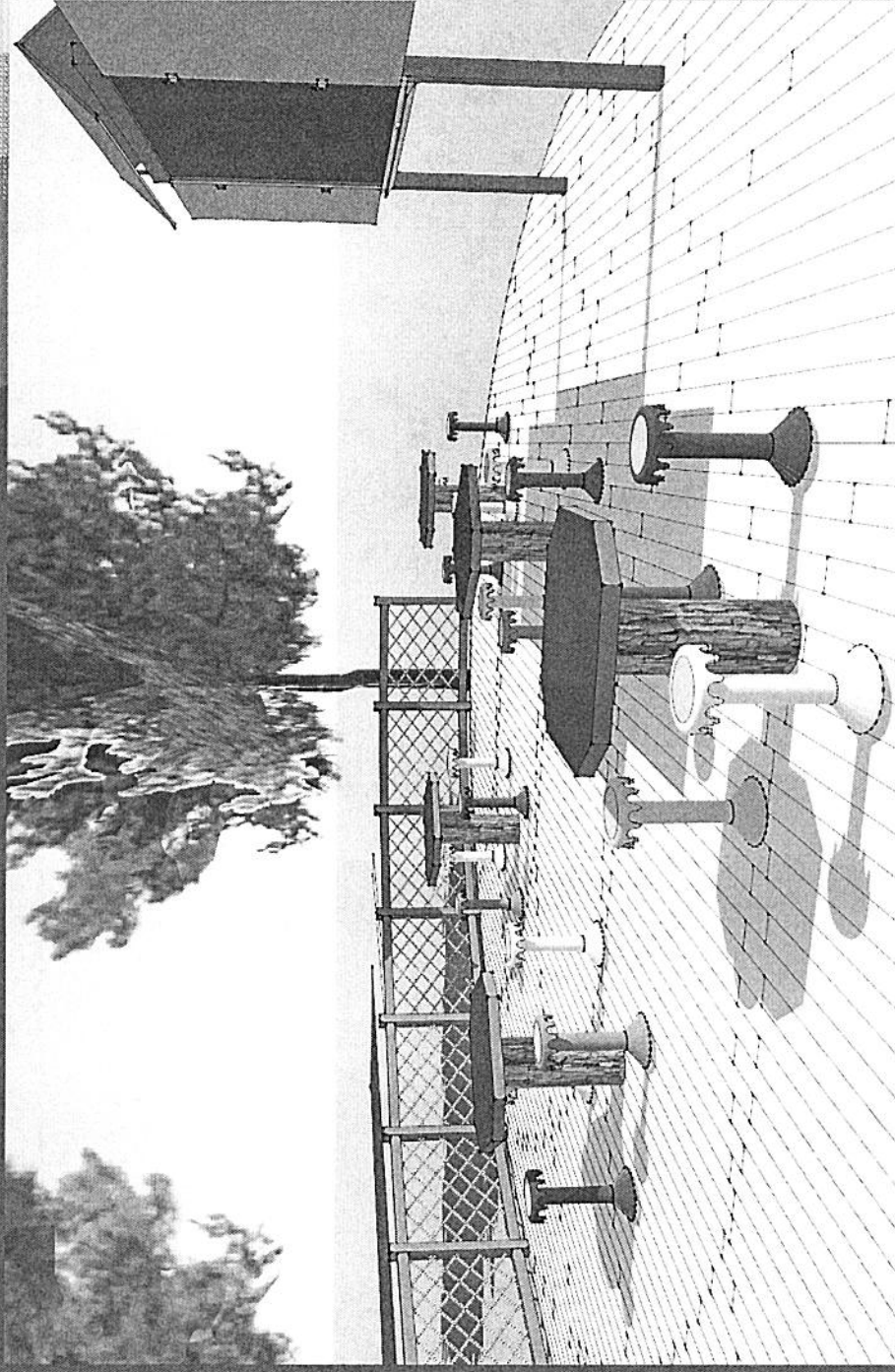
- Phase 4 Cont'd: Mending Fences
 - Paint and Install Blackboard Tabletops
 - Tabletops are 3ft x 3ft with 45 degree edges
 - A stain and scratch resistant black chalkboard surface for exterior use will be painted onto tabletops

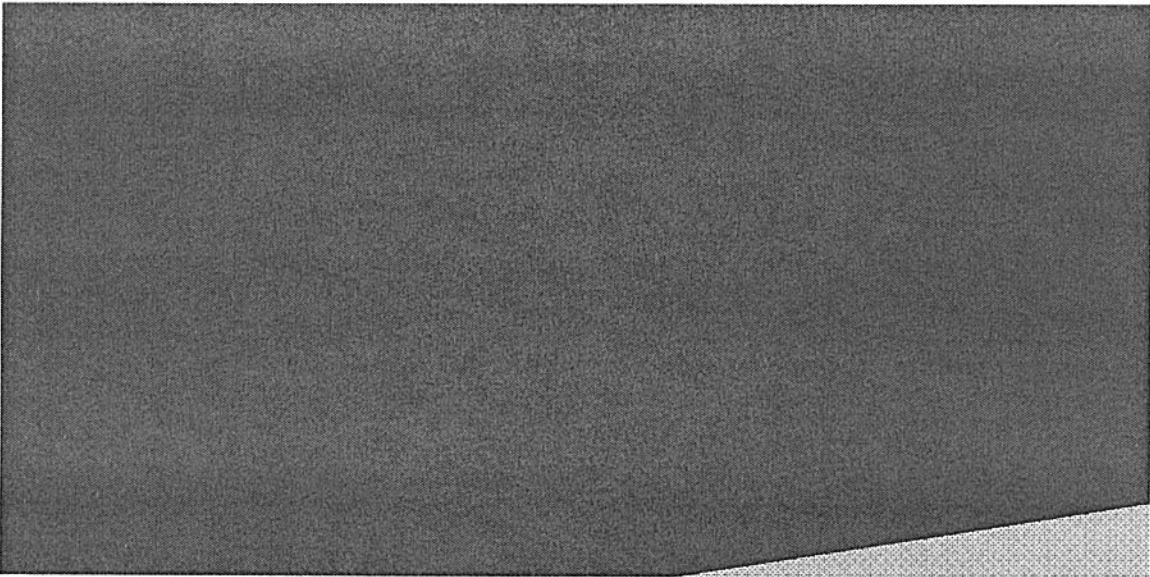


Seating

Hokki 15"-18" Stools from Kaplan (\$112.95 - \$125.95 ea.)

- Great Reasons to Have Stools
- 1. Calm the Wiggles
- 2. Improve Posture
- 3. Develop Trunk Control
- 4. Mind-Body Activity Improves Concentration
- 5. Portable Seating
- 6. Comfortable and Space Saving
- 7. Reward Students





Tools Required & Tips for Success

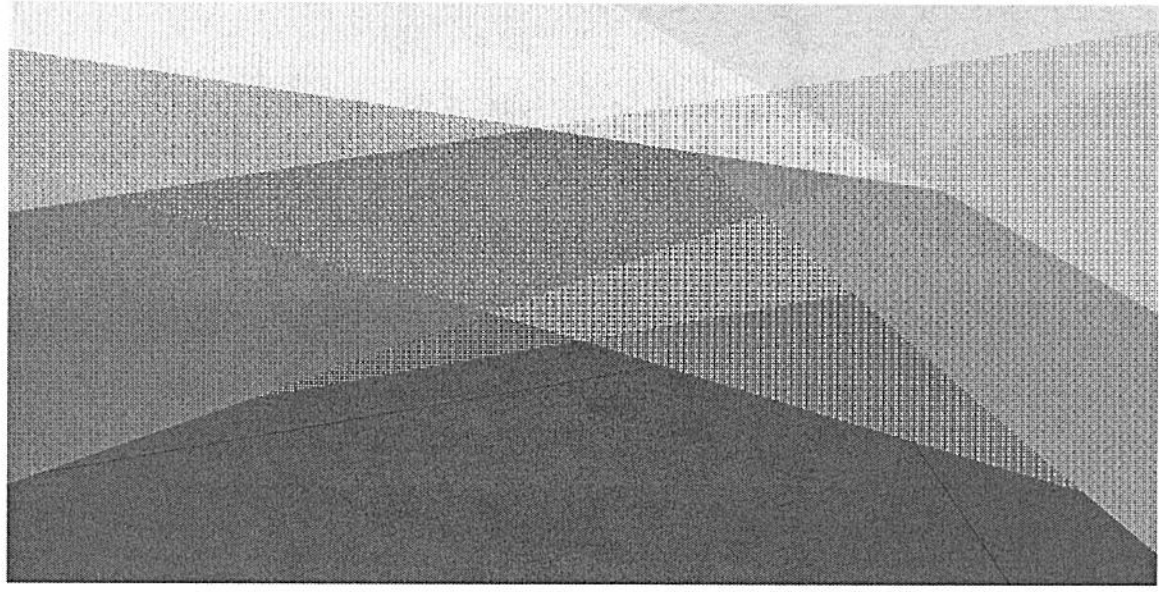
Tools Required:

Carpenter's level	Hearing protection	Ruler
Carpenter's square	Hammer	Safety glasses
Chalk line	Hand saw	Screwdrivers
Chisel	Hoe and hose (to mix concrete)	Shims or spacers
Circular saw	Ladder	Shovel
Claw hammer	Line	Socket wrench
Combination square	Mallet	Stakes or batter boards
Crescent wrench	Nail set	String
Drills and bits	Pencil	Tamper
Dust mask	Pick	Tape measure
Extension cord	Plumb bob	Transit
Framing square	Post hole digger	Tool belt
Gloves	Rafter square	Two foot level

Tips for success:

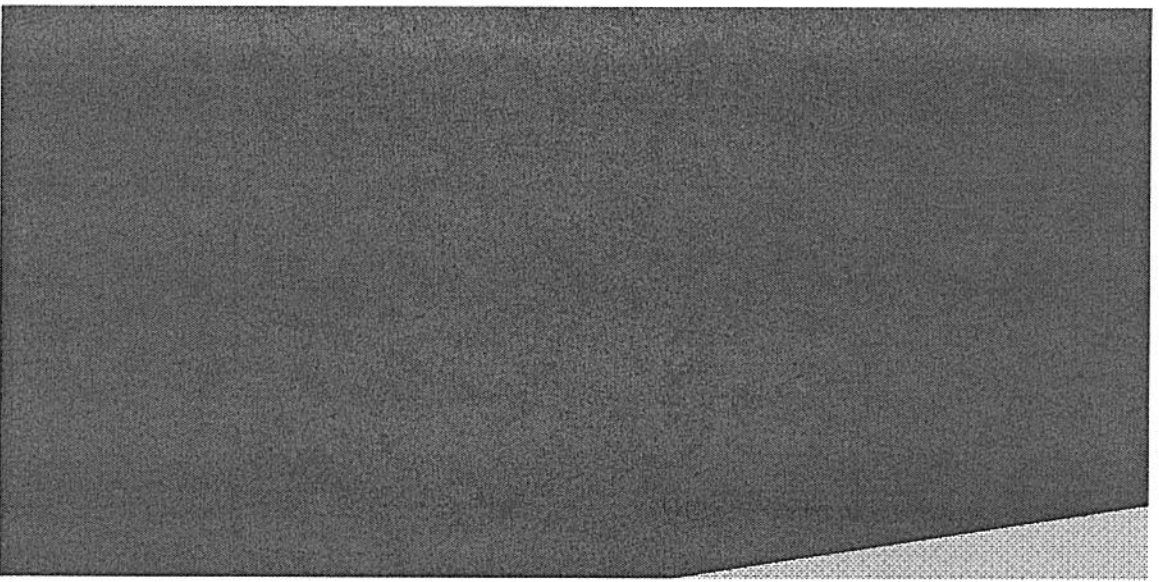
1. When cutting or drilling wood, always wear eye protection to prevent injury from flying wood particles.
2. When cutting lumber, a fabric breathing mask will help to avoid ingestion of the dust. Wear gloves as the surface is rough and can cause splinters.
3. For outdoor projects, nails and other hardware should be hot-dipped zinc-coated or equally well-protected material to keep them from rusting.
4. To help prevent splitting, drill pilot holes in each piece of lumber before nailing or screwing.
5. Make sure to treat your deck to prolong its lifespan.
6. Before you apply a finish on your deck, test for moisture by sprinkling the surface of a small area of the deck with water. If the droplets bead up, the wood is still wet. Wood that is dry enough for treatment will quickly soak up the water.
7. Deck finishes come in both water and oil based. While oil-based finishes penetrate deeper into the wood water based products are easier to clean up and are more forgiving in damp conditions.
8. When applying finish or cleaner to your deck, protect surrounding vegetation by wetting with a hose and covering with plastic.
9. Invest in a pair of kneepads if you are doing floor jobs or working on a deck.
10. Dispose of scraps in the regular trash or take to a landfill - never burn.

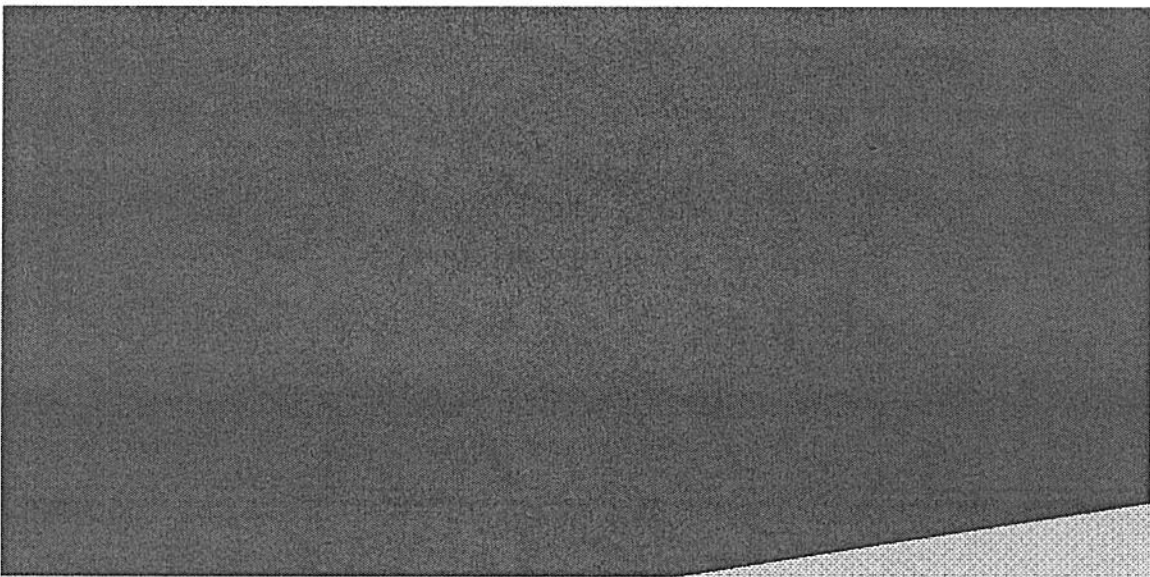




Material List

Item Number	Quantity	Description	Usage
Lumber Materials			
468941	44	Top Choice #2 Prime Pressure Treated Lumber (Common 2 x 8-16, Actual 1.5-in x 7.25-in x 16-ft)	Rim Joist
468938	5	Top Choice #2 Prime Pressure Treated Lumber (Common 2 x 9-8, Actual 1.5-in x 7.25-in x 9-ft)	Internal Joist
468940	30	Top Choice #2 Prime Pressure Treated Lumber (Common 2 x 9-12, Actual 1.5-in x 7.25-in x 12-ft)	Internal Joist
468939	70	Top Choice #2 Prime Pressure Treated Lumber (Common 2 x 8-10, Actual 1.5-in x 7.25-in x 10-ft)	Internal Joist
468945	6	Top Choice #2 Prime Pressure Treated Lumber (Common 2 x 10-16, Actual 1.5-in x 9.25-in x 16-ft)	Cladding
468969	1	5/4 x 6 x 12 Standard Treated Decking	Decking
468971	144	5/4 x 6 x 16 Standard Treated Decking	Decking
639134	4	Severe Weather #2 Pressure Treated Lumber (Common 4 x 4 x 8-ft, Actual 3.5-in x 3.5-in x 8-ft)	Post
Other Materials			
15082	20	USP 2-in x 6-8-in Triple Zinc Skewed Right 45-Degree Hanger Nails	Joist Framing
69262	2	Grip-Rite 5 lb 9-Gauge 3-in Hot-Dipped Galvanized Smooth Nails	Joist Framing
69139	2	Grip-Rite 1 lb 9-Gauge 3-in Hot-Dipped Galvanized Smooth Nails	Joist Framing
69141	4	1 lb 8-Gauge 3-1/2-in Hot-Dipped Galvanized Smooth Nails	Joist Framing
14107	20	USP 2-in x 6-8-in Triple Zinc Skewed Left 45-Degree Hanger Nails	Joist Framing
116239	30	USP 2-in x 8-10-in Triple Zinc Slant Nail Joist Hanger	Joist Framing
184955	2	USP 1 lb 9-Gauge 1-1/2-in Galvanized Smooth Joist Hanger	Joist Framing
21993	175	Grip-Rite 5 lbs 9-Gauge 1-1/2-in Triple Zinc Rafter Tie Smooth Joist Hanger Nails	Joist Framing
56928	3	Grip-Rite 5 lbs 9-Gauge 1-1/2-in Hot Dipped Galvanized Smooth Joist Hanger Nails	Joist Framing
132022	45	Sakrete 80-lbs Concrete Mix	Footing to Post
10367	1	QUIKRETE 60 lbs Setting Posts Concrete Mix	Footing to Post
6483	21	Sakrete 8-in Concrete Forming Tube	Footing to Post
195492	42	The Hillman Group 1/2-in x 8-in HDG Anchor Bolt	Footing to Post
249069	42	USP 4-in x 4-in Steel G185 Post Base	Footing to Post
63641	84	USP Steel G185 Post Cap (Common 4-in, Actual 3.562-in)	Post to Beam
2438	71	USP 2-1/4-in x 2-1/4-in x 6-7/8-in Triple Zinc Framing Angle	Joist Framing
16284	7	5 lbs #8 x 2-1/2-in Countersinking-Head Galvanized Deck Screws	Deck Planking
17365	1	1 lbs #8 x 2-1/2-in Countersinking-Head Galvanized Deck Screws	Deck Planking

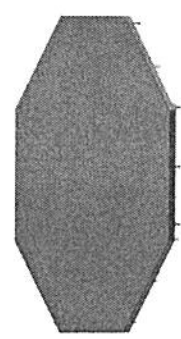




Your Custom Deck Estimate

Estimated materials cost with your custom selections:

\$6,138 - \$6,452



Your Custom Selections

- Decking Type:** Pressure Treated
- Decking Size:** 5/4x6
- Decking Color:** Pressure Treated
- Railing Material:**
- Railing Style:** Standard Railing with Bottom Rail
- Railing Color:**
- Joist Spacing:** 12"
- Joist Wood Type:** Top Choice Treated
- Joist Size:** 2x8
- Beam Size:** 2x8
- Post Wood Type:** Top Choice Treated
- Post Size:** 4x4

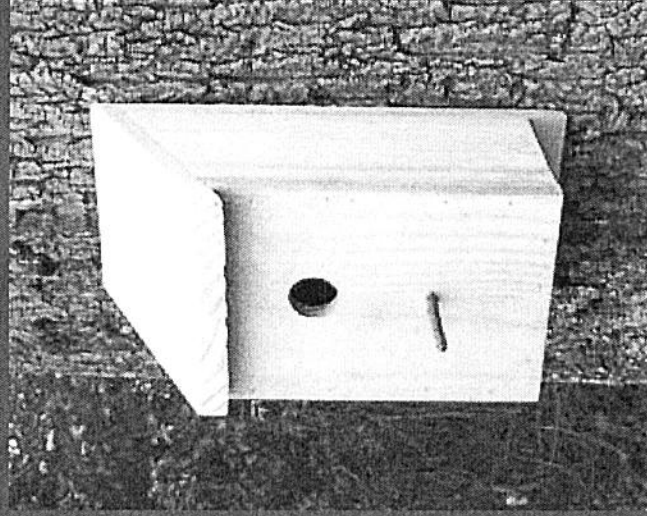
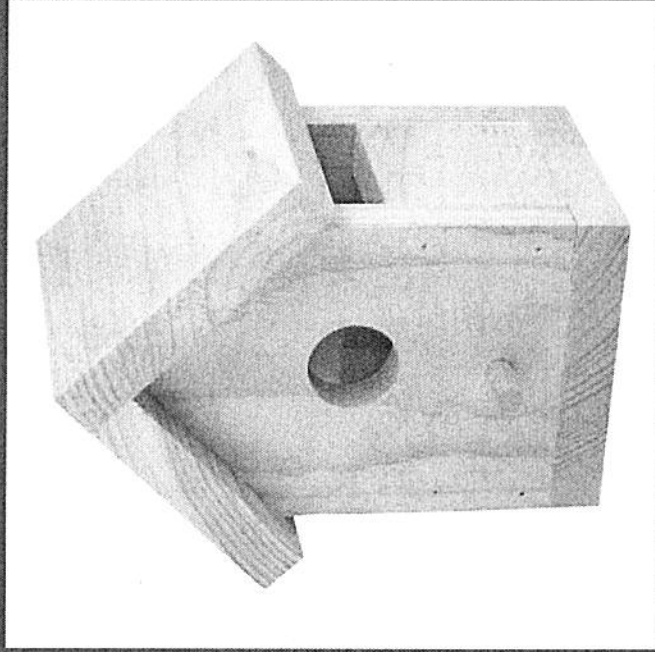
A detailed materials list, which includes the item numbers of products to purchase, can be found on page 10.

Estimated materials cost with basic selections:

- Decking Type:
- Decking Size:
- Railing Material:
- Railing Style:
- Joist Spacing:
- Joist Wood Type:
- Joist Size:
- Beam Size:
- Post Wood Type:
- Post Size:

Note: Estimates are based on representative costs of materials in your geographic area. Actual, current material costs and availability may vary by location, and are routinely subject to change. Contact your local Lowe's store for product availability, pricing, and other assistance.

Decoration Ideas



Grampy Bob's Bird Houses

Future Decoration Ideas



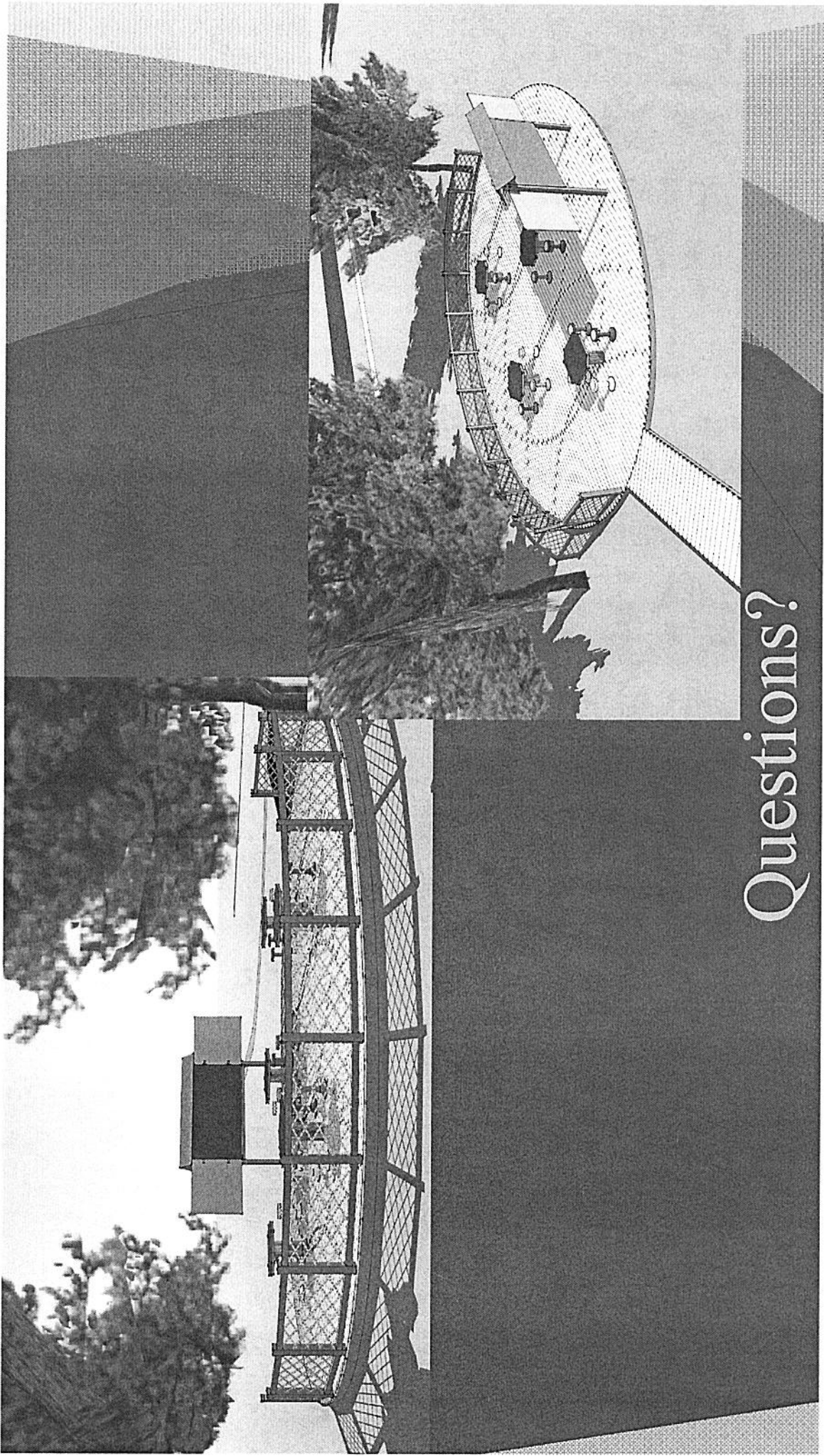
- Tree Planting
- Music Area
- Amphitheater

Benefits of outdoor learning

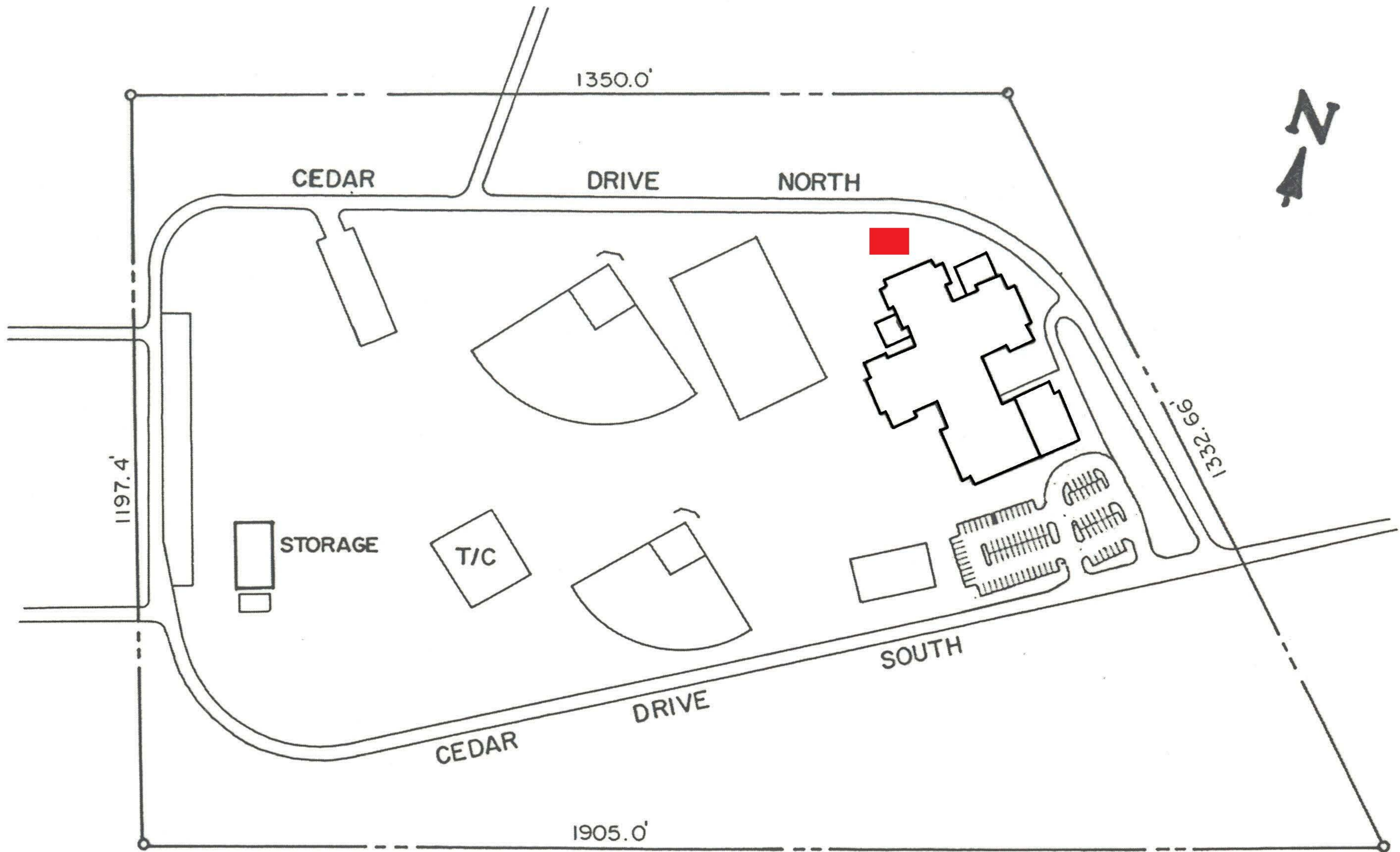
- Improved mood and happier students
- Enhanced appreciation for the outdoors through Interaction
- Increased retention rate for subject material
- Improved learning experience for tactile and experiential learners
- Lowered school violence and bullying, and improved social skills
- Increased understanding of complex ecological concepts
- Incorporation of physical activity across subject areas
- Opportunity to get out of the classroom if the school does not have the funds to go on field trips
- Community engagement for outdoor spaces that are used beyond the school community

Top 5 Reasons Outdoor Classrooms Succeed

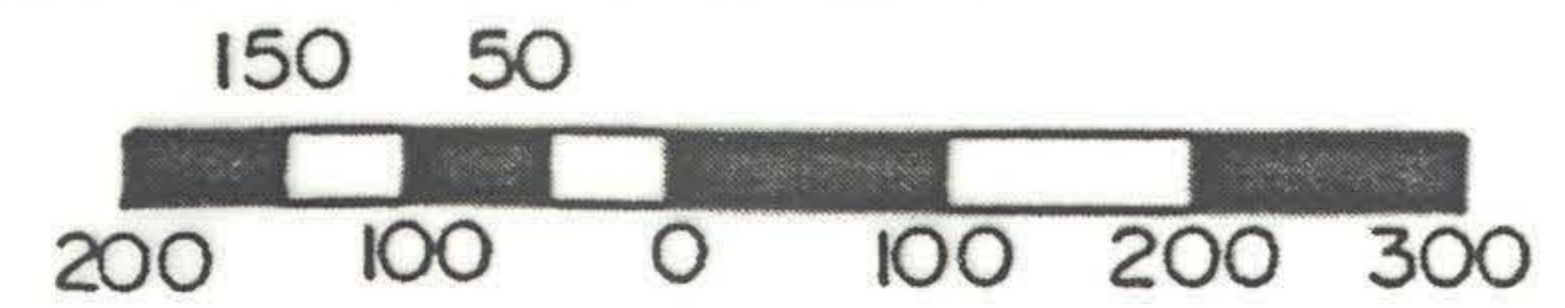
1. Community support
2. Student involvement
3. Funding
4. Teacher Training & Involvement
5. Administrative support



Questions?



EDGEWOOD ELEMENTARY SCHOOL SITE PLAN



44.71 AC. ±