



Proposed Courtyard Redesign

Design by Vishaka Nayak

Technology Wing Courtyard



Purpose

Give back to the community



School improvement project

Space for the photo classes



PLANNING

Technology Education
Montgomery High School

Name: _____
Date: _____

Portfolio Contract

Description:

As a Portfolio student in Technology Education at Montgomery High School, you are expected to do exception work and display work habits above and beyond of what that is required. The following contract was designed for individuals in the Portfolio level course to stay on track and to develop an agreement upon grading procedures. This Contract will serve as an important guideline throughout the course and will be referred to on numerous occasions.

Course Name: Architecture Portfolio

Teacher Name: Mr. Leicht

Student Name: Vishaka Nayak

Project Proposal: I will be researching courtyard designs and coming up with my own ideas in order to redesign the courtyard near the health rooms. I will have a list with all my ideas, as well as some drawings and sketches as a visual aid.

Time Line

Starting Date: 9/8/16 **Completion Date:** 10/10/16

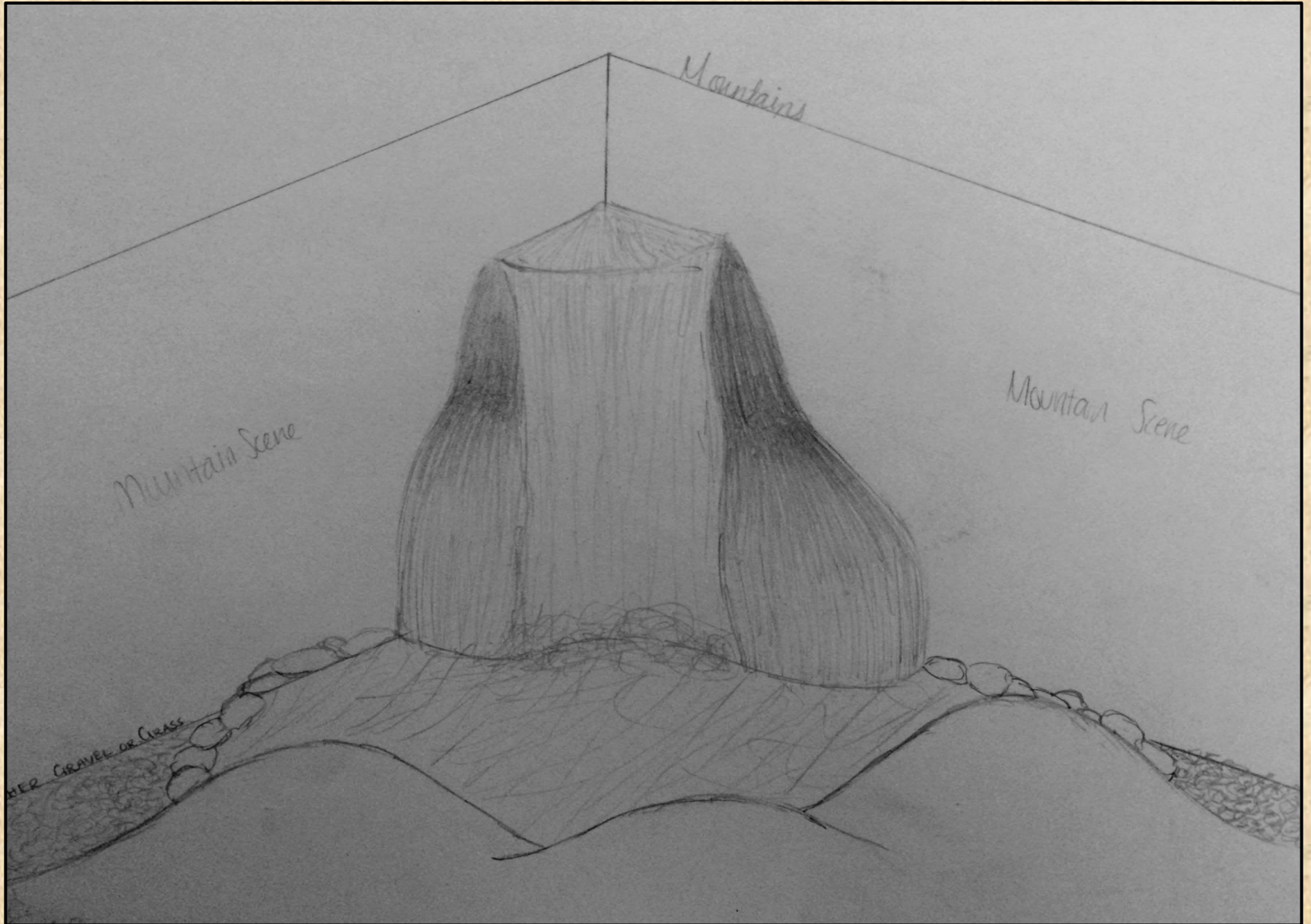
Grading Criteria: Ideas are well-thought out and practical
Incorporates the various parts of New Jersey
List and visuals are clear and easy to understand
Space is maximized and makes use of the whole courtyard

Project Accepted By: _____ **Date:** _____

By signing below you are in full agreement with the described contract listed above including the criteria and time line for this project

Student Name: _____ **Date:** _____

Sketches



City/Suburban

EXPAND TO HERE ←

EXPAND TO HERE →

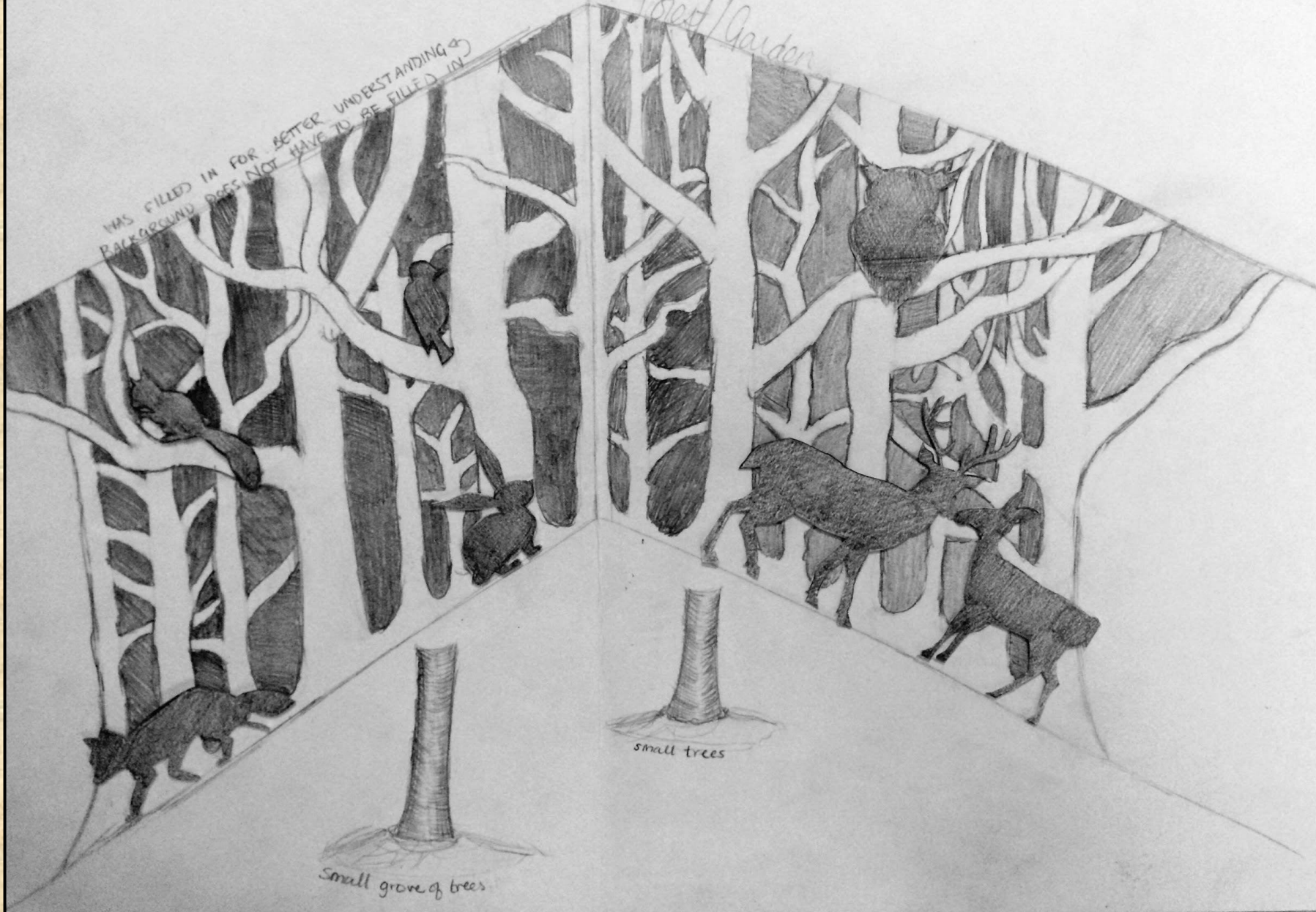
MAKE TREES





Forest/Garden

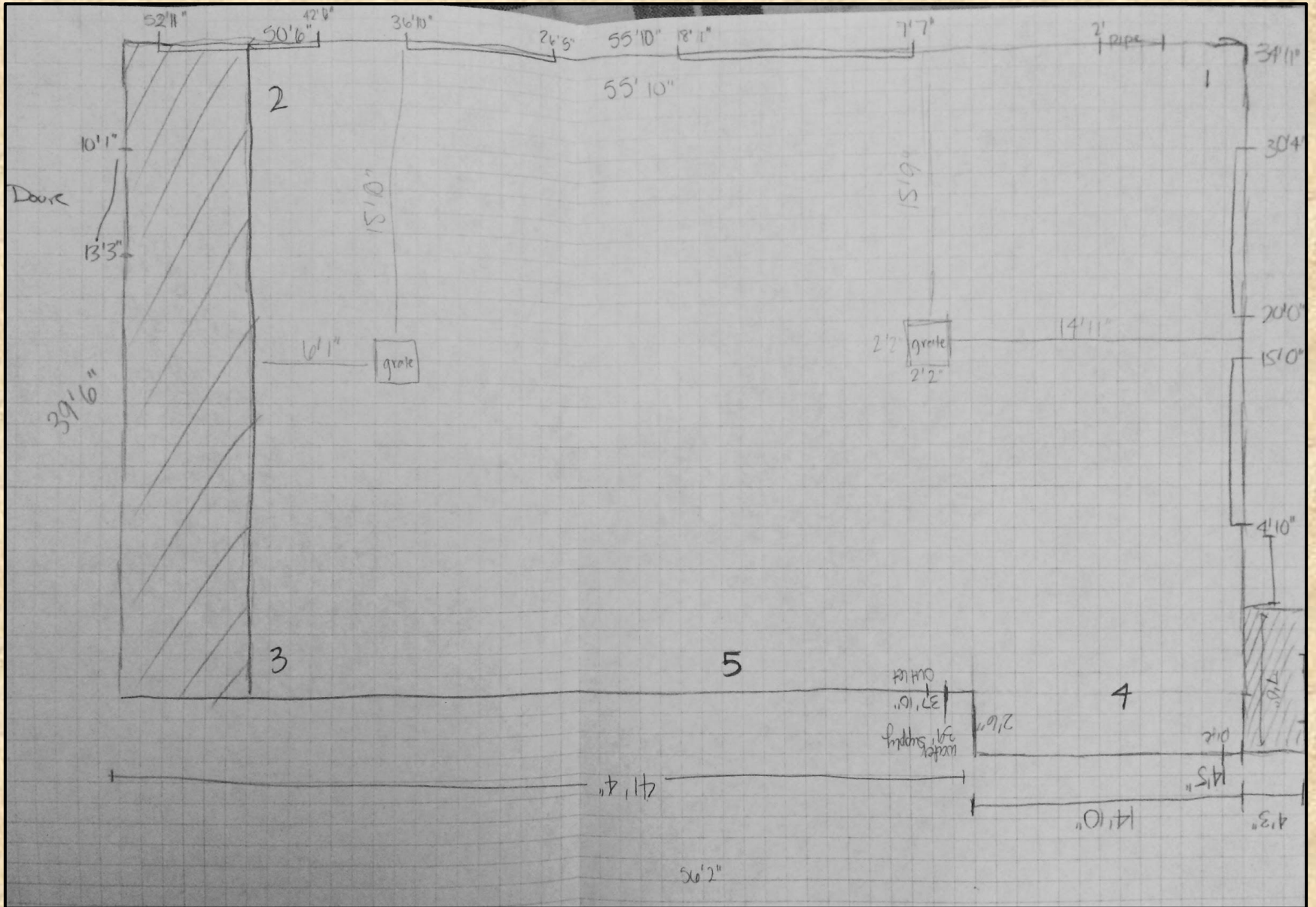
WAS FILLED IN FOR BETTER UNDERSTANDING OF
BACKGROUND DOES NOT HAVE TO BE FILLED IN



Small grove of trees

small trees

Measurements



Portfolio Contract

Description:

As a Portfolio student in Technology Education at Montgomery High School, you are expected to do exception work and display work habits above and beyond of what that is required. The following contract was designed for individuals in the Portfolio level course to stay on track and to develop an agreement upon grading procedures. This Contract will serve as an important guideline throughout the course and will be referred to on numerous occasions.

Course Name: Architecture Portfolio

Teacher Name: Mr. Leicht

Student Name: Vishaka Nayak

Project Proposal: I will be creating a model of the courtyard in Revit using the measurements taken and my drawings as inspiration. The object of this project is to provide a comprehensive visual for those who will be working on the courtyard to help them understand what the plan is.

Time Line

Starting Date: 10/11/16 **Completion Date:** 11/8/16

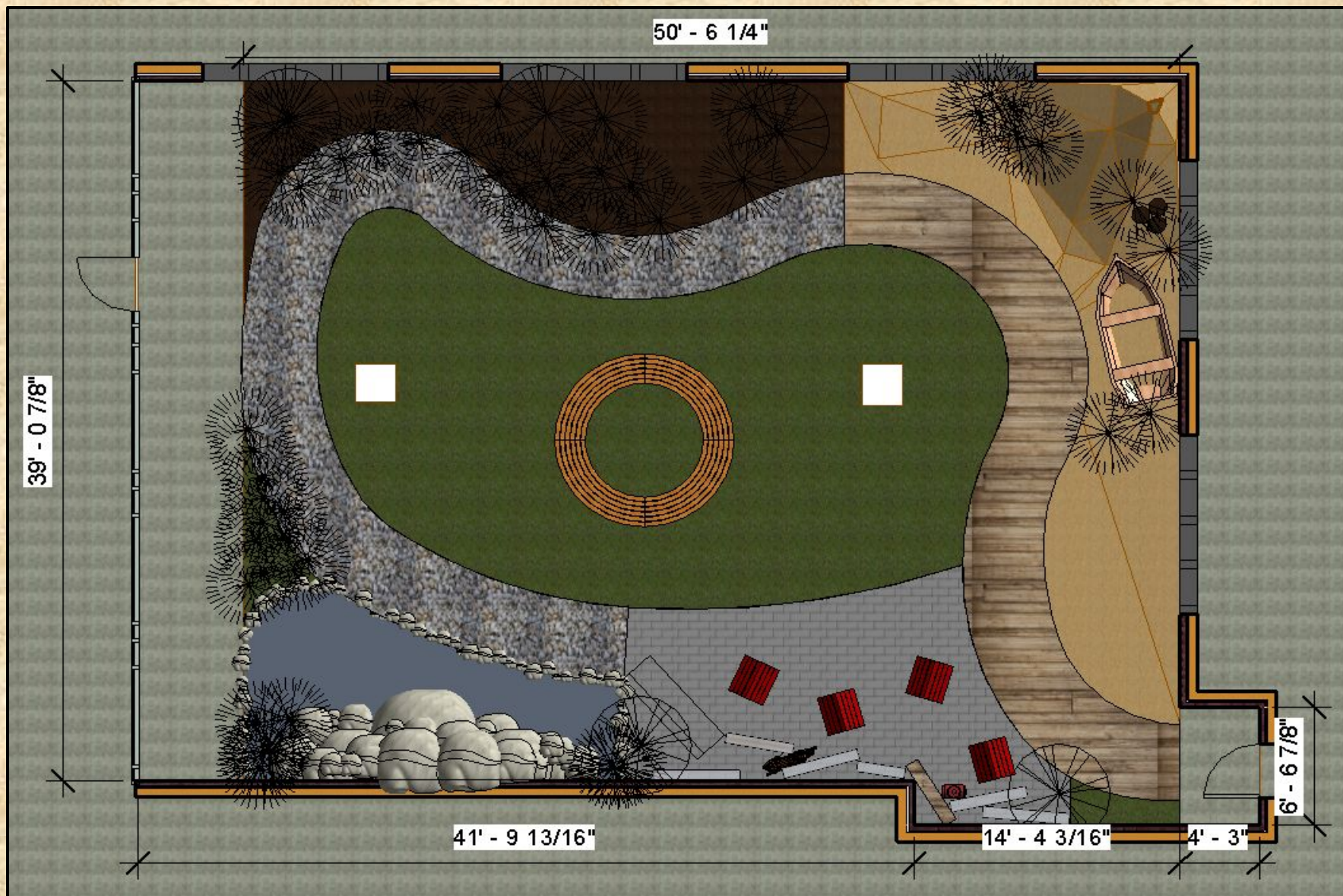
Grading Criteria: How well ideas were transferred into Revit
Ideas are well-thought out and practical
Space is maximized and makes use of the whole courtyard
Incorporates the various parts of New Jersey
Clear and easy to understand

Project Accepted By: _____ **Date:** _____

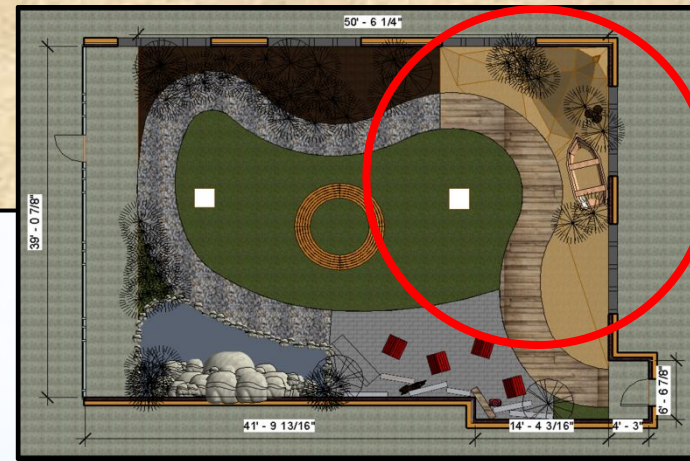
By signing below you are in full agreement with the described contract listed above including the criteria and time line for this project.

Student Name: _____ **Date:** _____

Proposal



BEFORE



AFTER



BEFORE



AFTER



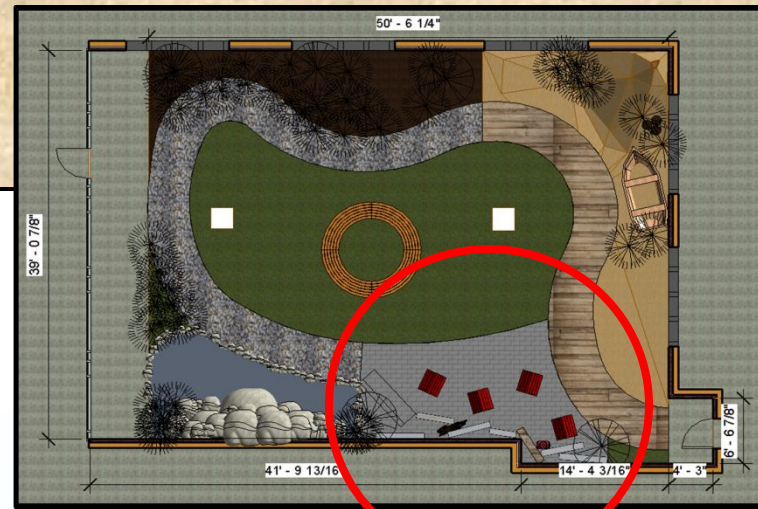
BEFORE



AFTER



BEFORE



AFTER



EXECUTION & FINANCING



You're shopping
Bridgewater II

Store Finder Truck & Tool Ren

What can we help you find today?

All Departments

DIY Projects & Ideas

Home Services

Specials & Offers

Local Ad

Free Shipping & Return Online and Pick Up in Store.

Home / Paint / Paint Colors

Paint Colors



Exterior House Paint

27,038

Items Found

Other Paint

Interior/ Ex

Interior

Com

Shop items in-store at
**Bridgewater II - Rt
202**
Change Your Store

Department

< Paint

< Paint Colors



20% OFF FURNITURE

savings, while
ours today.



Retaining Wall Blocks



Outdoor

Compare



NEW ONLINE-ON

Budgeting

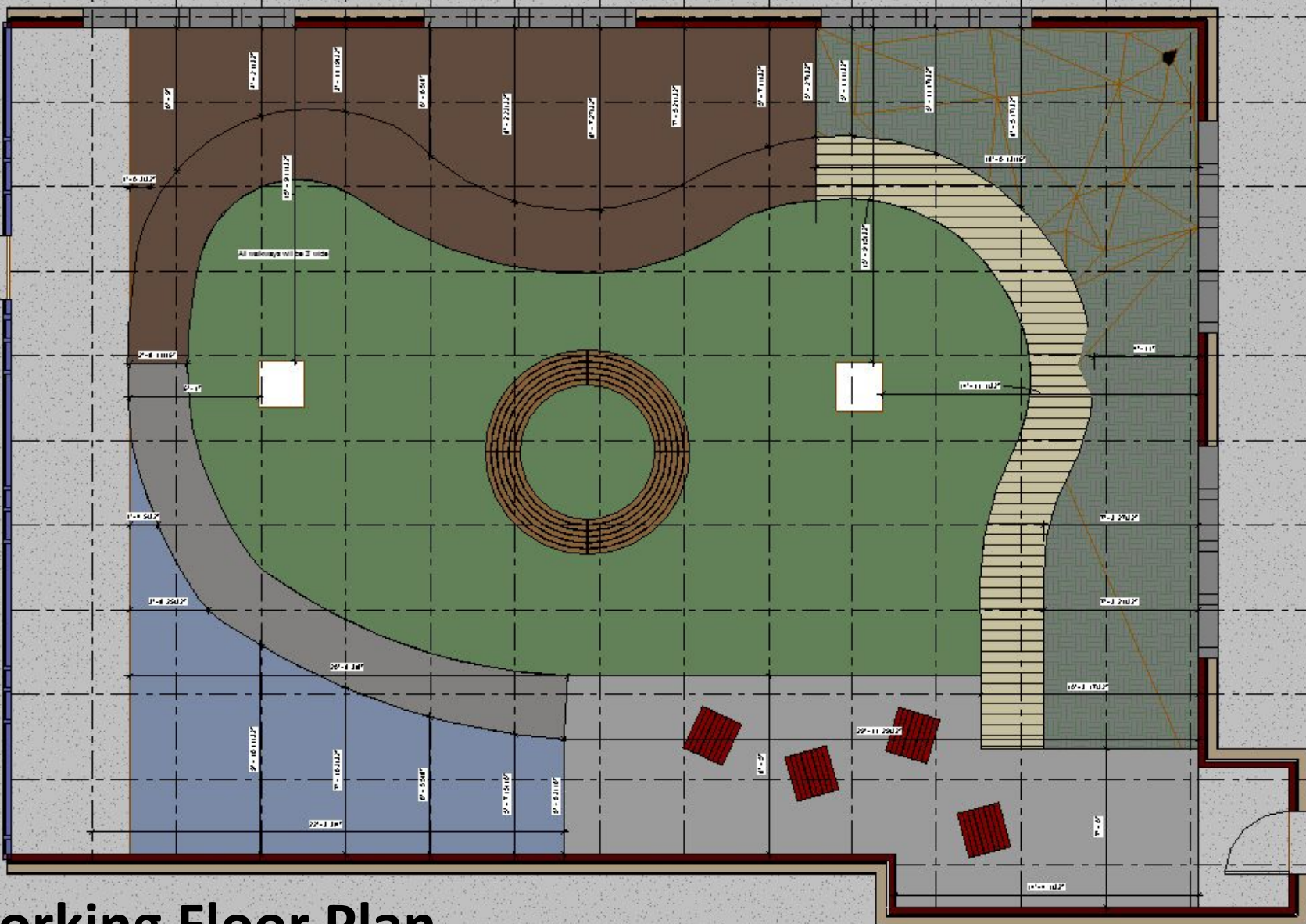
- Grants
 - PTSA Teacher
 - PTSA Student
- Donations
 - Home Depot
 - Local Businesses
 - Eagle Scout Project
 - Woodshop and Art Classes
 - Junkyards

MATERIAL	CALCULATIONS	COST
Boardwalk	25 planks → \$4.87/8ft plank	\$121.75
Sand	7 bags for 2 in. depth → \$3.75/50lb bag	\$26.25
Gravel for walkway	40 bags → \$4.18/bag	\$167.2
Bricks for Pavement	1030 bricks → \$0.46/brick <i>Donation from home depot?</i>	\$474
Paver Base	147 bags → \$3/bag <i>Donation from home depot?</i>	\$441
Leveling Sand	37 bags → \$3.87/bag <i>Donation from home depot?</i>	\$143
Fountain boulders	<i>Donation from quarry?</i>	\$100-\$600/ton
Used row boat	<i>Donation?</i>	\$75 (?)
Wood piling	<i>Donation?</i>	\$TBD
Sod	~700 sq. ft. → \$430/500 sq. ft./pallet <i>Donation from sod farm?</i>	\$602
Acrylic Paint	1,649 sq. ft. → 6 gallons → \$22/1 gallon	\$132
Masonry conditioner	1,649 sq. ft. → 6 gallons → \$70/5 gallon \$15/1 gallon	\$85
Little ceramic houses	<i>Donation from art classes?</i>	\$TBD
Metal sheets (for the cityscape)	<i>Donation from woodshop classes?</i>	\$TBD
Benches	<i>Donation from Eagle scout project?</i>	\$TBD
Wooden board (for sign)	<i>Donation from woodshop/art classes?</i>	\$TBD
Mulch	21 bags → \$3/bag	\$64.75
Woodchips	25 bags → \$2.59/bag	\$63
Total:	Including donation prices:	\$2,560-\$3,060
	Excluding donation prices:	\$1,160

CONSTRUCTION

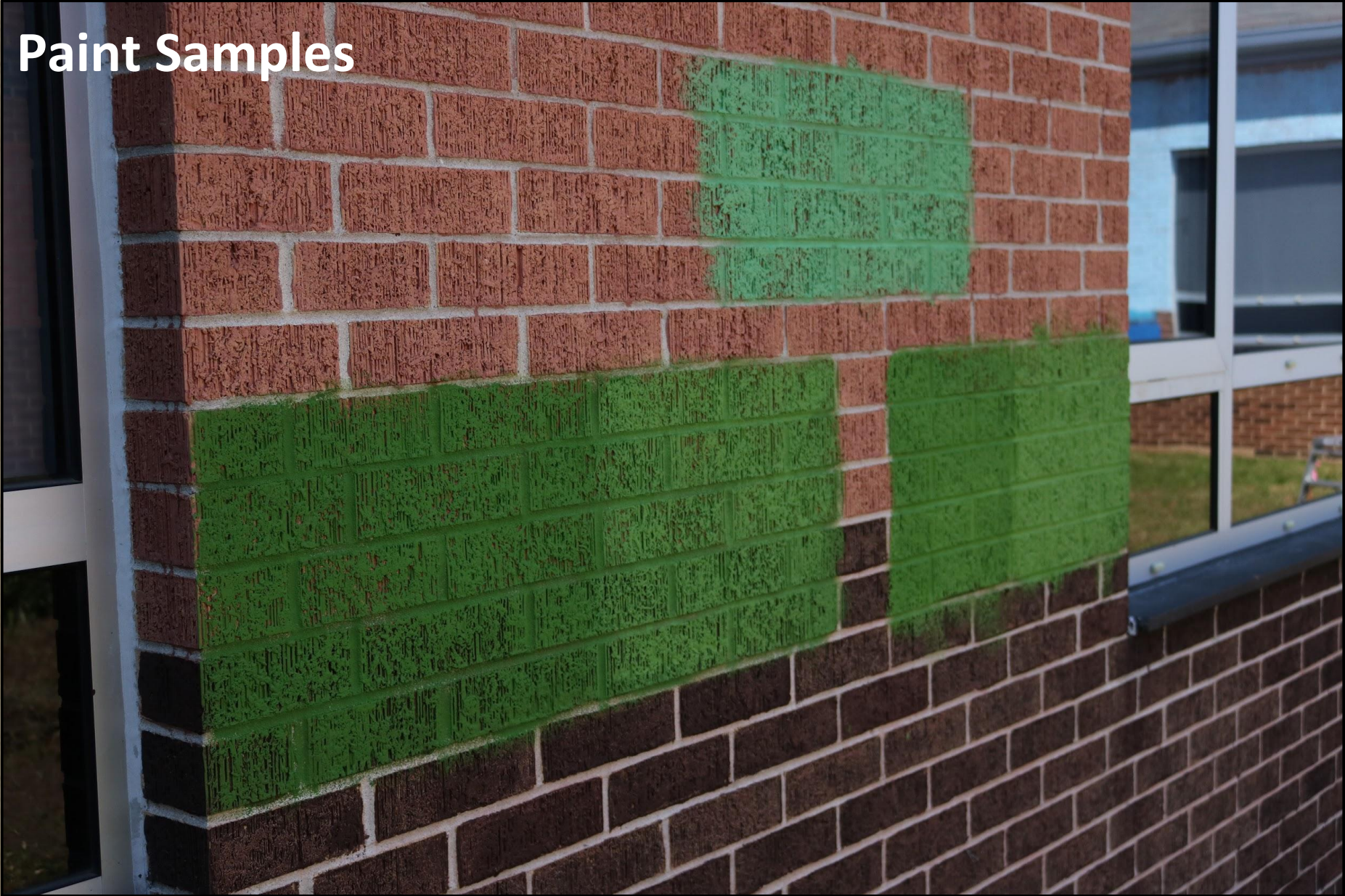
1 2 3 4 5 6 7 8 9 10 11 12 13 14

A
B
C
D
E
F
G
H
I
J
K



Working Floor Plan

Paint Samples





Powerwashing



Clearing the Area





Measuring the Walkway

Staking the Walkway



Painting







**QUESTIONS
OR
COMMENTS?**

**Architectural
Portfolio
Give-Back Projects**

Past Projects

- MHS Main/Auxiliary Gym
- MHS MPAC - seating numbers
- MHS Commons
- IDF Computer Location
- MHS Parking Lot
- Fire Emergency Signs (UMS, LMS, Village, Orchard)
- Gym set-up in Main Gym for State Fencing Tournament and Gymnastic Competitions
- Print large format drawings for building maintenance
- Preliminary drawings for UMS Media Center

Future Projects

- Drawing of camera locations and view of sight
- Fire Emergency Signs for MHS

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