Teaching Greenhouse Outdoor Plaza
Oklahoma State University | Stillwater, OK

Faculty Programs
1. Urban Horticulture (4577 sq. feet)
   - Raised Brick Planters (670 sq. feet)
   - Pergola-shaded Seating
   - Community Volunteer Garden with Storage and Water Source
2. Display Horticulture (3649 sq. feet)
   - Oklahoma Proven Winner Trials
   - Teaching Orchard
   - Dr. Carl Whitcomb Crape Myrtle Display
3. Agriculture (2390 sq. feet)
   - Crop Display Walkway
   - 13 Sections for Summer and Winter Crop Rotations
   - Signage Opportunities for Crop Identification
4. Turf Management (1640 sq. feet)
   - FFA Lawn
   - OSU Cultivar Open Lawn Space

Visitor Programs
A. North Grand Entry
B. Bench Seating
C. Event Lawn
D. Outdoor Classroom with Seating
E. Pergola Shade Structure
F. Granite CASNR Monument
G. Light Pole Adjacent Seating
H. Pergola Shade Structure
I. Decorative Fencing
J. South Grand Entry
K. OSU Designated Signage
L. Passive N-S Walkway

Campus Landscape Plan
(4) Acer rubrum 'Brandywine'
   Brandywine Red Maple
(6) Cercis c. ssp. Texensis 'Oklahoma'
   Oklahoma Redbud
(3900 sq. feet) OSU Cultivar Turf
Grand Entry Ranch Feel

Volunteer Garden Storage

Outdoor Seating and Litter Receptical Style

CASNR Monument Done In Granite

Still Water

Where Oklahoma Began

Light Pole Rustic Style

East Passive Walkway Feel

Decorative Fence Style

Semi-circle Pergola Shade Structure
Faculty Programs
1. Urban Horticulture Raised Planters | 452 sq.ft.
2. Volunteer Gardens | 254 sq.ft.
3. Turf Plots | 864 sq.ft.
4. Oklahoma Crops | 1,527 sq.ft.
5. Raised Horticulture Beds | 1,003 sq.ft.
6. Mini Arboretium
7. Proven Winner Garden | 312 sq.ft.
8. Shrub Gardens
9. Conversation Garden

Visitor Programs
A. Terraced Outdoor Classroom
B. Conversation Pods
C. Movable Table and Chairs
D. Integrated Seating on Planter Edge
E. Water Feature
F. Shade Trellis
G. Benches

Plant Key

<table>
<thead>
<tr>
<th>Name</th>
<th>Botanical Name</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Red Maple</td>
<td>Acer rubrum</td>
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<tr>
<td>Pin Oak</td>
<td>Quercus palustris</td>
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<tr>
<td>Eastern Red Bud</td>
<td>Cercis canadensis</td>
<td>3</td>
</tr>
<tr>
<td>Blue Atlas Cedar</td>
<td>Cedrus atlantica</td>
<td>8</td>
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<tr>
<td>Dogwood</td>
<td>Cornus</td>
<td>2</td>
</tr>
<tr>
<td>Lacebark Elm</td>
<td>Ulmus parvifolia</td>
<td>2</td>
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</tbody>
</table>

Red Maple
Pin Oak
Eastern Red Bud
Blue Atlas Cedar
Eastern Red Bud
Dogwood
Lacebark Elm
Lacebark Elm

Teaching Greenhouse

Reference Images

RAISED BED STYLE

OUTDOOR CLASSROOM

INTEGRATED SEATING

CONVO POD SHADE STRUCTURE

WATER FEATURE DESIGN

TRELLIS STYLE

Chase Skelton | Professor Mihalko | Planting Design | March 15th, 2019
Overview
This design offers practical and functional spaces for OSU students, faculty and visitors on campus. Linear pathways connect the north parking lot and south buildings, allowing direct access for daily users to move quickly to their destinations. Alternatively, one can enjoy a slow walk through the stone fruit orchard and proven winner displays. Multiple benches are placed under the fruit trees for people to rest and relax. There are shaded seating areas that provide excellent views of the surrounding natural environment. Slow overflowing fountains greet people leaving or entering the diagonal pathway that bypasses the greenhouse. Triangular forms have been purposely used throughout this design to help reflect the CASNR logo and the history of Agriculture within Oklahoma State.
Reference Images

Faculty Program Areas

1a Corten planter beds with seating.

1b Campus volunteer gardens.

1c Fruit orchard with seating.

People Areas

6 Water fountain.

7 Gathering lawn.

8 Shaded seated area.

9 Wisteria flower tunnel.

*All images sourced from www.pinterest.com
The front lawn for the Horticulture Teaching Greenhouse resembles crop circles like the ones man-made out in the fields of farmlands. The site has visitor programs, such as planted coffer structured pergola with tables and seating under the the shaded structure. There are plenty of visitor tables and seating placed within the site as well. Upon entering the garden central pathway that runs through the site, there is a bronze farmer with his son and working mule statue that is placed looking towards the entrance of the greenhouse. This resembles the work load every farmer and son experience working hard in growing their land. The site also contains other bronze farmer like sculptures that are sculpted like they working.
Department of Horticulture Teaching Greenhouse

Department Key
1. Plant Sale Area
2. Apple Orchard
3. Turf Grasses
4. Wisteria Planted Pergola
5. Tree of 40 Fruits
6. Crops
7. Winner Proven Plants
8. Vegetable Garden
9. Seating Area
10. Shade Structure

Visitors Key
A. Plant Purchase Area
B. Apple Orchard
C. Turf Grasses
D. Pergola
E. Tree of 40 Fruits
F. Crop Area
G. Winner Proven Plants
H. Vegetable Garden
I. Seating Area

Hack-berry
Canadian Hemlock
Chinese Pistache
Deador Cedar
Mexican Feather Grass
Japanese Maple ‘Orangeola’
Colorado Blue Spruce
Abelia Kaleidoscope
Weeping Blue Atlas Cedar
Deador Cedar
Chaste Tree

Landscape Master Plan
Scale: 1" = 20' - 0"
4D: Wisteria Planted Pergola

5E: Tree of 40 Fruits

2D: Apple Orchard

15: Potted Plants Barricades

13/14: Raised Garden Beds

8H: Vegetable Garden

7G: Winner Proven Plants
Faculty Programs

Urban Horticulture:
1. Raised Planting beds
2. Crushed Granite Walking paths

Display Horticulture:
3. Perennial Gardens
4. Grafting Tree

Agriculture:
5. Winter Crop Rotations
6. Viewing Areas and Paths

Turf Management:
7. Open Lawn
8. FFA Space

Visitor Programs
A. Covered Walkway
B. Seating with wifi and electric
C. Open Lawn
D. Garden Access

Oklahoma Redbud (4)
Colorado Blue Spruce (4)
Red Maple (2)
Teddy Bear Magnolia (8)
Rosy Glow Barberry
Dwarf Procumbens Juniper
Raised Planting Beds

Steel Shade Structure

Paving Pattern

Seating benches