

Interdisciplinary Design and Research Assignment 3-1 and 3-2- 2021

PROJECT GOALS

Using information gleaned from the Master Plan process and review, identify the first phase to be constructed from your Master Plan for Lake Issaqueena Park. Advance the design with the idea of experience and how the experience can support your Mission and Vision. We will continue to resolve site issues related to landscape and hardscape spaces, accessible and intuitive **circulation**, subtle yet clear **interpretation/ wayfinding**, purposefully located **comfort amenities**, and strategies for site **operations** and **maintenance**. Additionally, we will study potential influence of the design/project beyond the borders of the immediate property.

SITE PROGRAM

First Phase programs may include, but is not limited to, the following elements:

- A Site Structure
- Outdoor Event/Gathering Space for all weather
- Restrooms and comfort amenities
- Parking
- Accessible landscape and hardscape elements
- Accessible circulation
- Maintenance facilities

TASK 1: DESIGN ENLARGEMENT PLAN AND SECTIONS

Requirements:

Task 1-1: Develop a Base Map in AutoCad from which we will be designing your future design.

Base should include:

1. 1 ft Contours
2. Hardscape and landscape elements from Master Plan
3. Location of all existing surface utilities and signage
4. Key tree locations and interpolated elevations at the trees
5. Any easement, flood plain, etc. data discovered on GIS from first phase
6. Plan should be on a 24"x36" or 30"x42" sheet size
7. Plan scale should be 1/4"= 1'-0", 1/8"=1'-0" or 1"=10'-0".

*Be mindful of layer management

Task 1-2: Draw 2-3 sections required to understand your chosen enlargement areas. Sections should include key elements to understand the site and space. Sections should be drawn to scale either digitally or by hand.

Due Date: (1) One 24"x36" Hardcopy Plan and Sections brought to class on 10/25. Title and scale required.

TASK 2: ELARGEMENT MODEL(S)

Requirements:

Develop an Enlargement Model(s) for the first phase of the project to test ideas and design decisions.

1. Material: Students Choice
2. Model scale(s) should be 1/4"= 1'-0", 1/8"=1'-0" or 1"=10'-0".

Due Date: 10/29

Interdisciplinary Design and Research Final Review

SUGGESTED DELIVERABLES

SITE- AS NEEDED

1. Existing Site Model (Class)
2. Site Research- Edited and Bound (Class)
3. Site Master Plan- Updated and Rendered
4. Site Section(s)- Updated and Rendered
5. Site Parameters- Updated
6. Site Diagrams- Updated
7. Site- Other as needed to tell narrative

ENLARGEMENT

8. Materials and Methods Research- Edited and Bound (Class)
9. Enlargement Plan- Rendered
10. Enlargement Sections 2+- As Needed
11. Enlargement Diagrams 2+- As Needed
12. Enlargement Models
13. Experience Models
14. Beyond your Border Research and Diagram(s)
15. Perspective 2+-Rendered
16. Character Imagery Boards/Samples – Hardscape and Planting
17. Design Narrative (500-1000 words)

IMPLEMENTATION

18. Detail Model (Design Implementation)
19. Drafted Details (Design Implementation)
20. Construction Document Plans and Materials Sheet (Design Implementation)

Interdisciplinary Design and Research

Project 2: Site Design- 2023

PROJECT GOALS

In the first phase of this project, you created a Master Plan for the future development of the Historic Wind River Arboretum and Nursery. In the next phase, you will be working independently within your group to design a selected phase of the Master Plan. The design will address the hardscape materials, grading, planting materials, structure materials, infrastructure, and amenities. You will organize and design the site to promote the mission, vision, and goals developed during the Master Plan phase. Using SITES and LEED as a guide, parameters will be established to guide mission compatible design that focuses on site/building performance and experience.

PROJECT DELIVERABLES

Deliverables may include, but is not limited to, the following elements:

- Updated Master Plan (1/group)
- Mission/ Visions/ Goals Updated Board (1/group)
- Abridged research (1 presentation/group)*
- Project Concept and Ideogram (1/person)
- SITES/LEED Parameters Board
- Schematic Site Design including hardscape, grading, planting, and structures
 - Architects will do floor plans
- Diagram, Precedent, and Research Boards as need (2-5)
 - Can include systems, programs, circulation, usage, exploded axons, etc.
 - Architects will do massing diagrams
- Materials Board(s)- this can include character imagery
- Site Sections- 3 Illustrative site/building sections/ student
- Renderings- 2/person (architects can integrate exterior rendering in LA's work)
 - Architects need 1 exterior and 1 interior
- Physical Model(s)

Due Date: Mid-Project Review- Friday 11/17 and/or Monday 11/20

Final Review- Friday 12/08- Morning and Afternoon