

Design Implementation III
Assignment 2- Design Charrette
09/27/2021

PROJECT GOALS

The first phase of this project is to create a Site Plan for the future development at the Lake Dr. Park or Issaqueena Lake Park. This will include developing the physical design of **landscape spaces, hardscape spaces**, and supporting **infrastructure**. In addition to landscape and hardscape spaces the plan should provide a well-defined and functional **entrance**, places to **gather**, accessible and intuitive **circulation**, clear **wayfinding**, purposefully located **comfort amenities**, and **access to the water's edge**.

SITE PROGRAM

The Site Plan may include, but is not limited to, the following elements:

- Entry Pavilion and/or Threshold to park
- Outdoor Event or Gathering Space(s) for a total of 100 users
- Parking for 40 automobiles (Two (2) all abilities spaces)
- Accessible landscape and hardscape elements
- Accessible circulation
- Accessible pedestrian lake access
- Accessible pedestrian access to historic trail (Lake Dr. Park)
- Accessible pedestrian access to Council Ring (Issaqueena Lake Park)

TASK 1- DESIGN CHARRETTE REQUIREMENTS

Using the file supplied by professor:

1. Print four (4) to scale 24"x36" bases per class (Lake Drive Park)
2. Print one (1) to scale 24"x36" bases per class (Issaqueena Lake Park)
3. In groups of 4-5 students design the site with the above program in mind
4. Bring engineers scale, markers, pencils, pens, and trace paper

Due Date: We will present in class on 9/27 (Monday)

Design Implementation III
Assignment 5- 50% CD Set
10/25/2021

TASK GOALS

- Have a well organized and drafted CD Set
- Focus on set legibility, organization, and line work quality

TASKS

Have the following bases drafted:

- Hardscape Base
- Plant Base
- Grading Base
- Existing Conditions
- Hardscape Details- 1-2 Paving, 1 Joint, 1 Stair, 1 Retaining Wall, 1 Ramp, 1 Specialty details as needed (6-8 total)
- (2) Grading Details- Landform, Retention System, Draining System, Drain (1-3 total)
- Planting Details- 1-2 Tree Well, 1-2 Shrub (2-3 total)
- Identify one (1) enlargement area- (Enlargement will come later)

Have the following sheets set-up:

- L0.00- Cover Sheet
- L0.01- Materials Sheet
- C1.00 - Existing Conditions
- L1.01- Demo/ Tree Mitigation as needed
- L2.01- Hardscape Plan
- L3.01- Grading Plan
- L4.01-L4.03- Hardscape Details as needed
- L5.01- Planting Plan
- L5.02- Planting Details and Schedule (Schedule can come later)

Due Date: Mon. 11/01/2021 at 9:00 am- 11"x17" fit to page

Sheet Checklist

Project Cover Page

- Project Title
- Progress Set Drawing list and issue date

C1.01 Existing Conditions Plan

- All existing survey information (black and white)
- Property Line
- Existing Contours

L0.01 Materials Sheet

- General Notes
- Plant Protection Notes
- Site Demolition Notes
- Erosion and Sedimentation Notes
- Site Grading Notes
- Line Type and Abbreviation Legend
- Symbols Legend
- Material Callouts
- Submittals Chart

L-1.01 Demolition and Tree Mitigation Plan

- Existing Survey
- Property Line
- Limit of Work Line
- Hardscape to be Removed
- Trees to be Removed or Protected

L-2.01 Hardscape Plan

- Existing survey information (toned back or gray)
- Property Line
- Limit of Work Line
- Proposed / Existing building footprints
- Parking Areas
- Indicate ramps where applicable
- Hardscape surfaces and Patterns
- Site element names (e.g. Lawn, Drive, Planting Area, Pool etc.)
- Existing trees and landscape to remain
- Necessary dimensions and annotation
- Scale and north arrow

L-3.01 Grading Plan

- Existing survey information (toned back or gray)
- Property Line
- Limit of Work Line
- Hardscape (toned back or gray)
- Existing Contours
- Proposed Contours
- Proposed swale centerlines
- Key spot elevations (high points, low points, corners of concrete, top and bottom of walls, stairs, and ramps)
- Existing trees and landscape to remain
- Necessary annotation
- Scale and north arrow

L-4.01 Hardscape Details

- Typical details
- Flatwork and vertical element details
- Vertical element elevations
- Necessary annotation and dimensions
- Detail hatches

L-5.01 Planting Plan

- Existing survey information (toned back or gray)
- Property Line
- Limit of Work Line
- Proposed / Existing building footprints
- Hardscape and grading (toned back or gray)
- Location of existing and proposed trees
- Location of essential shrubs
- Hatched areas of groundcovers and lawns
- Necessary dimensions and annotation
- Scale and north arrow

L-5.02 Planting Details and Schedule

- Typical planting details
- Necessary annotation and dimensions
- Detail hatches
- Planting Schedule

Design Implementation III

Design Phase: Project Brief- 2022

PROJECT GOALS

The goal of this project is to create a design for a future Clemson Park/Plaza. This will include the establishment of a project concept. The plan should provide a well-defined and functional **entry sequence**, accessible and intuitive **circulation**, purposefully located **comfort amenities**, concept compatible **programs/elements**. The design should create programs that are appropriately dimensioned to accommodate the desired activity and create a comfortable, functional, and memorable experience from the user(s) perspective.

SITE PROGRAM

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

- Entry threshold- required for all groups- can be a concept compatible program/element
- Outdoor event/ gathering space for all weather- required for all groups- can be a concept compatible program/element
- Comfort amenities- required for all groups
- General landscape and hardscape elements- required for all groups
- Accessible circulation- required for all groups
- Four (4) concept compatible programs/elements- required for groups of 4 members
- Three (3) concept compatible programs/elements - required for groups of 3 members
- Two (2) concept compatible programs/elements - required for groups of 2 members

***note: designs must contain at least one retaining wall, at least one free standing wall, at least one set of stairs and/or ramp.**

TASKS

Task 1 (Exercise 4):

Site Visit and Documentation Map

Requirements: Requirements are as follows:

1. Visit the site
2. Take inventory of the site using the supplied 'survey' as a guide
3. Document existing conditions graphically. Including:
 - a. Hardscape elements
 - b. Landscape elements
 - c. Specimen trees
 - d. Utilities
 - e. General topography (high points, low points, ridges, swales, contours if possible)
 - f. Viewsheds
 - g. Structures
 - h. Ecological, geological, hydrological systems
 - i. Social systems
 - j. Circulation patterns
 - k. Site character
 - l. Site comfort conditions
 - m. Sound conditions

- n. Site access
 - o. Site context
 - p. Other
4. Measure and document existing elements supplied on 'survey'
 5. As a class mark-up a full size, to scale base with dimensions and missing elements to be returned to surveyor (professor)

Learning Objective: The purpose of the exercise is as follows:

1. Practice taking inventory of a site
2. Practice working collaboratively

Due Date: (1) One 24"x36" legibly marked-up plan per class- **Due 9/7** (before the weekend)

Task 2 (Assignment 1-1; 1-2):

Concept/Schematic Design Draft

Requirements: Requirements are as follows:

1. Develop a design concept
2. Define limit of work
3. Create a minimum of (2) two concept compatible designs (hand drawn)
4. Be ready to discuss and defend your designs through plans, diagrams, sections, research, models, and sketches- you choose your deliverables

Learning Objective: The purpose of the exercise is as follows:

1. To understand the importance of designing as a team
2. To practice designing quickly
3. To understand the importance of concepts
4. To understand the importance of selecting deliverables appropriately and efficiently
5. To understand the importance of efficient, concise, and clear graphic communication

Due Date: Assignment 1-1: (2) Two hand drawn plans (minimum)- **Due 9/14**

Assignment 1-2: All necessary deliverables for 1 design and a scanned jpg of plan- **Due 9/19**

Task 3 (Assignment 2):

Precedent Study and Group Presentation

Requirements: Requirements are as follows:

1. Develop a presentation with concept and experiential compatible precedents
2. Select projects, designers, and/or spaces that express the concept, experience, and programs of your design
3. Presentation should be 5-7 minutes long with 3-5 minutes for questions
4. Everyone must present
5. Presentation can be digital, analog, or both

Learning Objective: The purpose of the exercise is as follows:

1. To understand the importance of presenting as a team
2. To understand the importance of precedents in design
3. To practice presenting

Due Date: Present 9/26

CD Set Drawing Check List

L0.00 Project Cover Page

- Project Title
- Project Location
- Set Drawing list and issue date

L-0.01 General Notes

- General Notes
- Planting Notes
- Submittals List
- Symbols Legend

L-1.01 Demolition and/or Tree Mitigation Plan

- Existing survey information (toned back or gray)
- Property Lines/Limit of Work
- Materials legend
- Existing structures footprints
- Existing trees
- Existing hardscape
- Trees to be protected
- Trees to be removed
- Hardscape to be removed
- Legend
- Scale and North Arrow

L-2.01 Site Layout & Materials Plan / Hardscape Plan

- Existing survey information (toned back or gray)
- Property Lines/Limit of Work
- Materials legend
- Proposed / existing structures footprints
- Indicate ramps where applicable
- Provide separate distinguishable hatch/tone/pattern for each proposed constructed material
- Vegetation does not appear on this sheet (except existing trees)
- Key dimensions
- Key materials
- Detail call-outs
- Legend (if not on general information page)
- Scale and North Arrow

L-3.01 Site Grading Plan

- Existing survey and Hardscape Plan information (toned back or gray)
- Property Lines/Limit of Work
- Proposed / existing structures footprints
- Proposed intermediate/minor contours and index/major contours
- Proposed swale centerlines
- Proposed swale high points (SHP)
- Proposed earthworks including % slope directional arrows (as needed), high points (+HP), Low Points (+LP)
- Spot elevations on all hardscape surfaces as needed
- Provide all top and bottom of wall elevations where applicable
- Provide all top and bottom of step elevations where applicable
- Legend (if not on general information page)
- Scale and North Arrow

L-4.0X Hardscape Details

- Proposed details (3 per person on team)
- Each detail should have title and scale
- Each detail should have key dimensions
- Each detail should have key material call-outs
- Each detail should be coordinated to appropriate plan
- Materials Legend

L-5.01 Site Planting Plan

- Existing survey and Hardscape Plan information (toned back or gray)
- Property Lines/Limit of Work
- Planting legend (if not on own sheet)
- Proposed vegetation with individual symbols indicating: canopy, understory, evergreen, shrub, perennial, and groundcover
- Plant schedule shall include: number of proposed canopy trees and square footage of proposed groundcover, lawn seeding, and perennial planting
- Plant schedule shall include proposed plant notes where applicable
- Plant schedule shall include proposed plant sizes using standard industry notation
- Legend (if not on general information page)
- Scale and North Arrow

L-5.02 Planting Details and Schedule

- Proposed details (1 per person on team)
- Each detail should have title and scale
- Each detail should have key dimensions
- Each detail should have key material call-outs
- Each detail should be coordinated to appropriate plan

Plant Schedule if not on Planting Plan Sheet

- Plant schedule shall include: number of proposed canopy trees and square footage of proposed groundcover, lawn seeding, and perennial planting
- Plant schedule shall include proposed plant notes where applicable
- Plant schedule shall include proposed plant sizes using standard industry notation

Additional grading criteria:

Construction Drawings

- all drawings must be scaled and labeled properly to receive full credit
- all construction drawings shall be printed in black and white only

Design Implementation III

Design Phase: Final Project Brief- 2023

PROJECT GOALS

The goal of this project is to create a design and develop a 50% Construction Document Set for the abandoned utility easement at the South Carolina Botanic Garden. This will include the establishment of a project concept. The plan should provide a well-defined and functional **entry sequence**, accessible and intuitive **circulation**, purposefully located **comfort amenities**, concept compatible **programs/elements**. The design should create programs that are appropriately dimensioned to accommodate the desired activity and create a comfortable, functional, and memorable experience from the user(s) perspective.

SITE PROGRAM

The Site Plan may include, but is not limited to, the following elements:

- Entry Pavilion and/or Threshold to experience
- A covered place to sit that accommodates at least three people
- Parking for 10 automobiles (Two all abilities spaces)
- Accessible landscape and hardscape elements
- Accessible circulation/path
- Accessible destination experience (folly)
- Two all abilities parking spaces on the arboretum area
- Comfort amenities

PROJECT DELIVERABLES

100% Construction Document Set that includes:

- L0.00- Cover Sheet
- L0.01- General Information and Materials Sheet
- L1.00- Existing Conditions Sheet
- L1.0X- Existing Conditions Enlargement Sheets
- L2.00- Hardscape/Layout Sheet
- L2.0X- Hardscape/Layout Enlargement Sheets
- L3.00- Grading Sheet
- L3.0X- Grading Enlargement Sheets
- L4.0X- Hardscape Details (3 details per person)
- L5.00- Planting Plan Sheet
- L5.0X- Planting Plan Enlargement Sheets
- L5.0X+1- Planting Schedule and Details (3 details per person)(you can do more hardscape details instead of planting details 2 and 3.

Set size should be 24"x36" or 30"x42"

Submittal Schedule:

- **50% DD Set- Due 11.06- Full Size PDF**
- **100% DD Set- Due 11.20- Full Size PDF**
- **50% CD Set- Due 11.29-12.11- Full Size PDF + Full Size Grading Sheets (Hardcopies)**