Underwood Family Sonoran Landscape Laboratory

2.0 CASE STUDY

LAND 484: Landscape Architecture Design III

project intro

The phase of creativity and visionary ideas in relation to landscape performance must be grounded by investigating succesful precedent studies of functioning landscape architecture projects. The Landscape Architecture Foundation has directed investigations into projects that demonstrate performing landscapes and showcase them on the Landscape Performance Series website (landscapeperformance.org).

objectives:

_Use Mark Francis' "A Case Study Method For Landscape Architects" as the template for analyzing and assessing the primary components of the selected precedent studies. (Topic Points Attached)
_Analyze and communicate the different environmental, social, and economic benefits of precedent studies (Topic Points Attached)

deliverables:

_8.5" x 11" color print outs effectively communicating the precedent study components from Mark Francis and the Landscape Performance Series website

part_2.0 (100 points)

due_9.18

_methodology generate visually effective precedent study boards using project photographs, diagrams, conventional drawings (plan, section, elevation, etc.), and annotations to communicate the topic points from the two resources. These graphic elements can be collected from the Landscape Performance Series website or original pieces. Graphics and information that is not original must be properly cited. Annotations must relate directly to it's respective graphic. Communicating the diverse and distinct environmental, social, and economic benefits must be evident, legible, and distinguishable.

_graphic principles the layout and format of your boards must follow a consistent template throughout the entirety of boards. Determine a color theme, typology styles, and grid layout that is appropriate to the communication of your project.

_full case study topics

- Project Name
- Location
- Date Designed/Planned
- Construction Completed
- Cost
- Size
- Landscape Architect(s)
- Client
- Context
- Site Analysis
- Project Background and History
- Genesis of Project
- Design, Development and Decision Making Process
- Role of Landscape Architect(s)
- Program Elements
- Maintenance and Management
- Photograph(s)
- Site Plan(s)
- User/Use Analysis
- Criticism
- Significance & Uniqueness of Project

_landscape performance topics

LAND
- Land efficiency/preservation
- Soil creation, preservation & restoration
- Shoreline protection

WATER
- Stormwater management
- Water conservation
- Water quality
- Flood protection
- Other water

HABITAT
- Habitat creation, preservation & restoration
- Habitat quality
- Populations & species richness

CARBON, ENERGY & AIR QUALITY
- Energy use
- Air quality
- Temperature & urban heat island
- Carbon sequestration & avoidance

MATERIALS & WASTE
- Reused/recycled materials
- Waste reduction

SOCIAL
- Recreational & social value
- Cultural preservation
- Health & well-being
- Safety
- Educational value
- Noise mitigation
- Food production
- Scenic quality & views
- Transportation
- Access & equity

ECONOMIC
- Property values
- Operations & maintenance savings
- Construction cost savings
- Job creation
- Visitor spending
- Economic development

_landscape performance topics

- *OVERVIEW*
- *SUSTAINABLE FEATURES*
- *CHALLENGE/ SOLUTION*
- *COST COMPARISON*
- *LESSONS LEARNED*
- *PROJECT TEAM*