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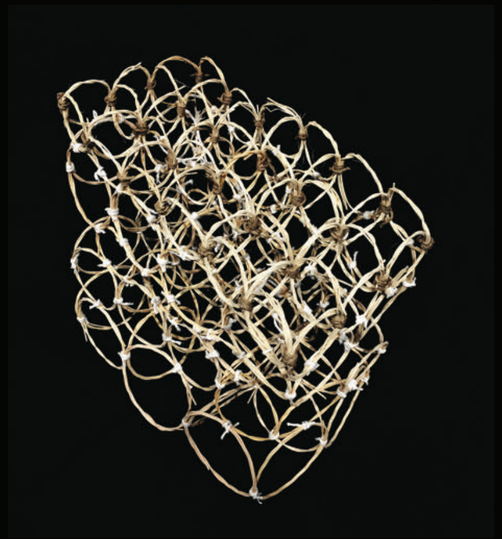
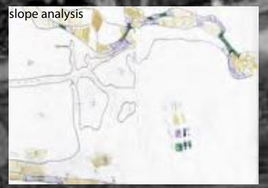
Wind Tunnel

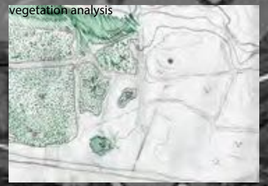
Design Principles | Landscape Architecture Department studio | Fall Semester, 2017
Providence, Rhode Island | Individual work
Instructors: Suzanne Mathew, Colgate Searle

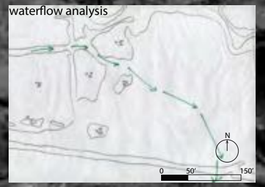


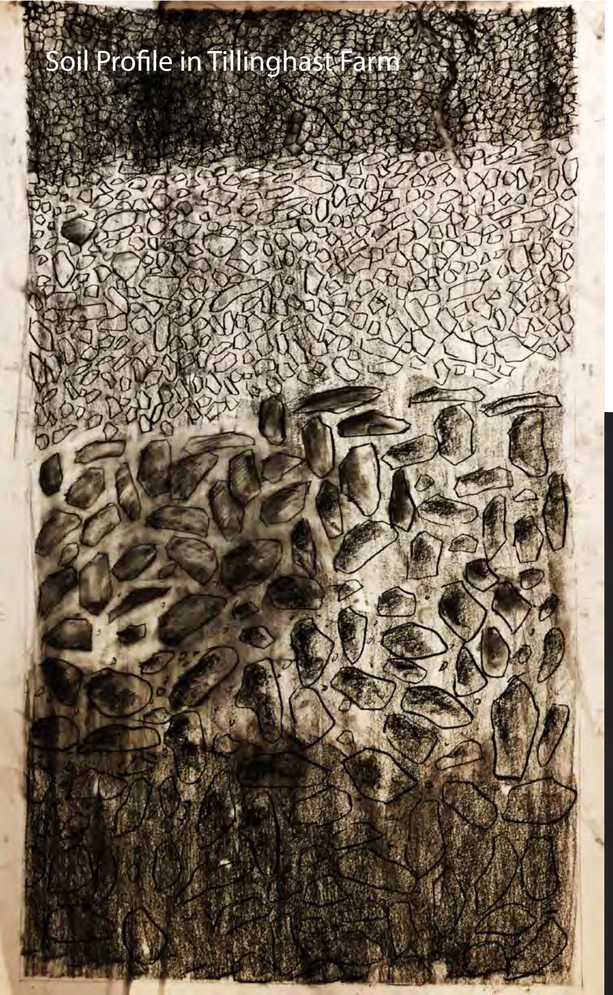
After I researched the environmental conditions around Tillinghast farm for 45 days, I created a lot of hand-made models and drawings to analyze the phenomenal changes of tides, wind, soils and so on. Then I focused on the phenomenon of wind and created a design for visitors to experience the transformation of wind on this site.

Site Transition








Soil Profile in Tillinghast Farm

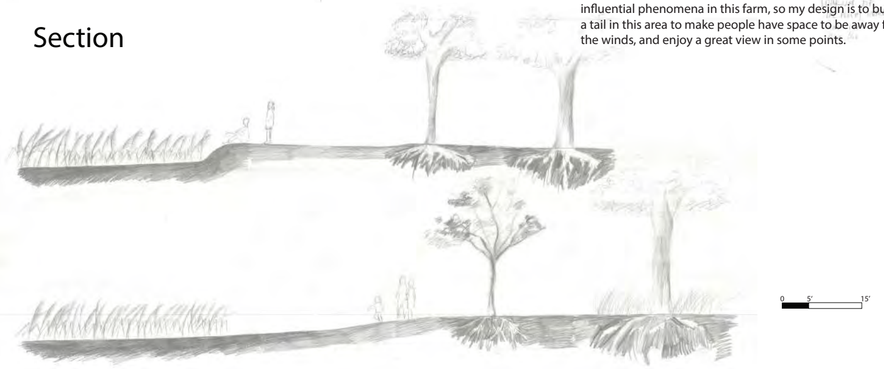

Soil Profile model

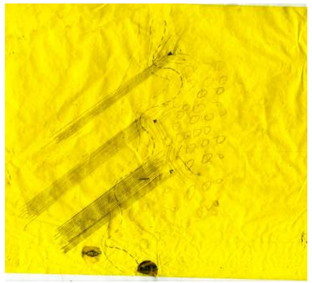



PLan

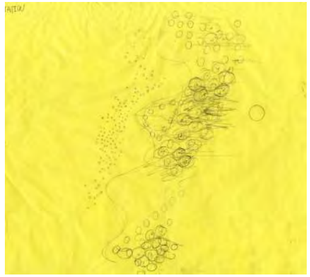
After the research, I realize the wind and tides are the most influential phenomena in this farm, so my design is to build a tail in this area to make people have space to be away from the winds, and enjoy a great view in some points.

Section





wind analysis



vegetation analysis

pathway analysis