



Jonathan Sieg | Landscape Architecture Portfolio



About

Jonathan is a fourth year landscape architecture student at Ball State University in Muncie, IN. His focus lies primarily in urban design and ecological restoration. A native Hoosier, his love for plants and the landscape stem from his early experiences playing and working on farms and creeks in rural southern Indiana.

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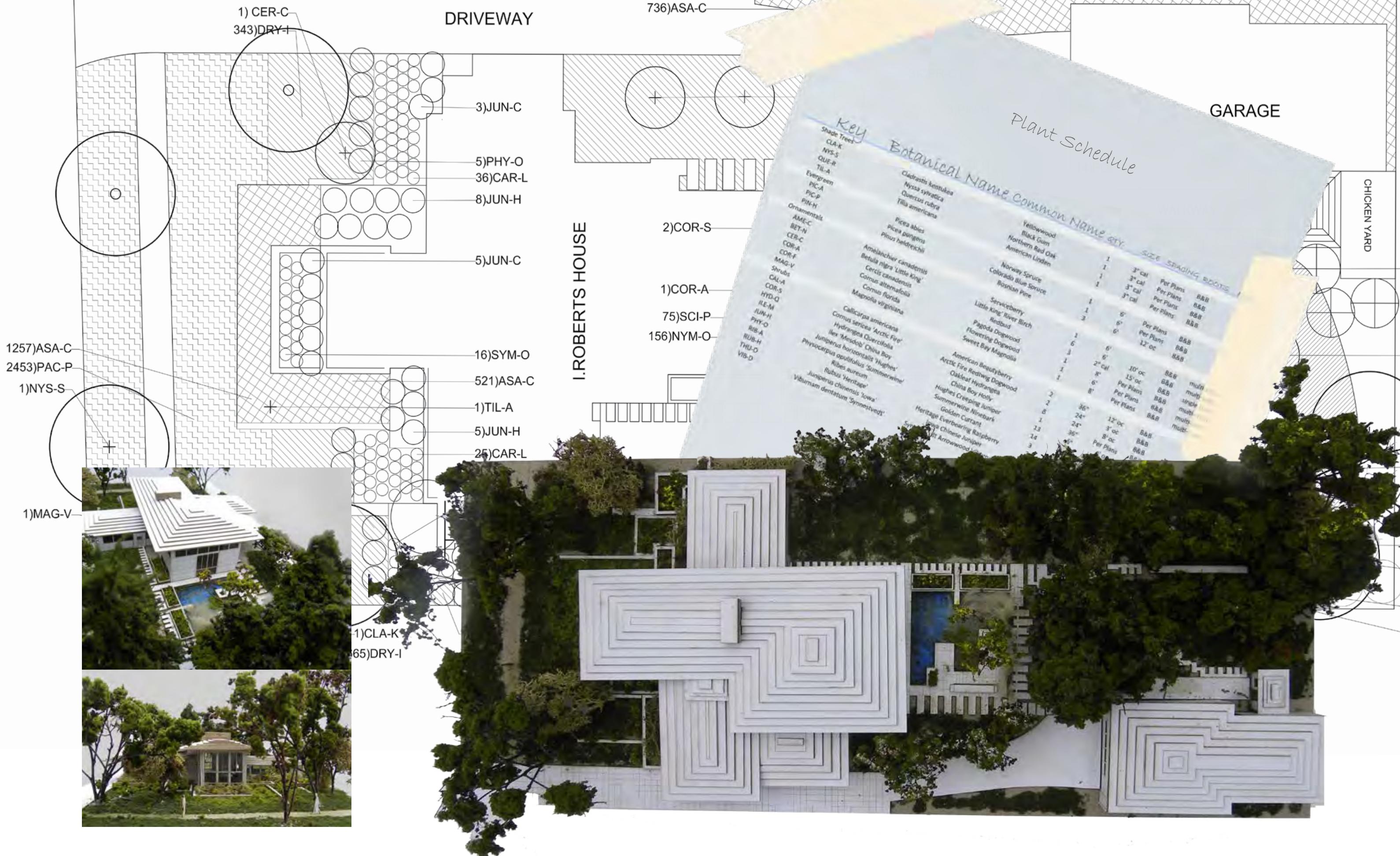


Isabel Roberts House

Referencing the Wright-designed Prairie style home,
this landscape incorporates a diverse program for a busy
family with minimal maintenance and contemporary style.



Landscape Plan for Isabel Roberts House, Oak Park, Chicago





BBQ at the Natural Pool



Feeding Chickens in the Bosque.

Park & Open Space

Residential Area

Commercial Area

Multi-use Barn

Reservoir

A

A'

Boardwalk

Boardwalk

Small Homes

Main Street

Town Houses

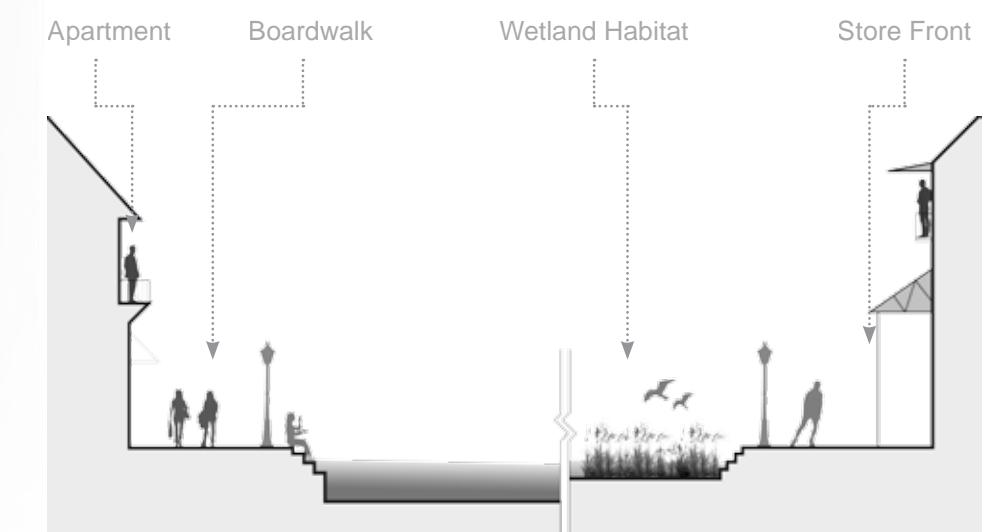
B

Garden Plots

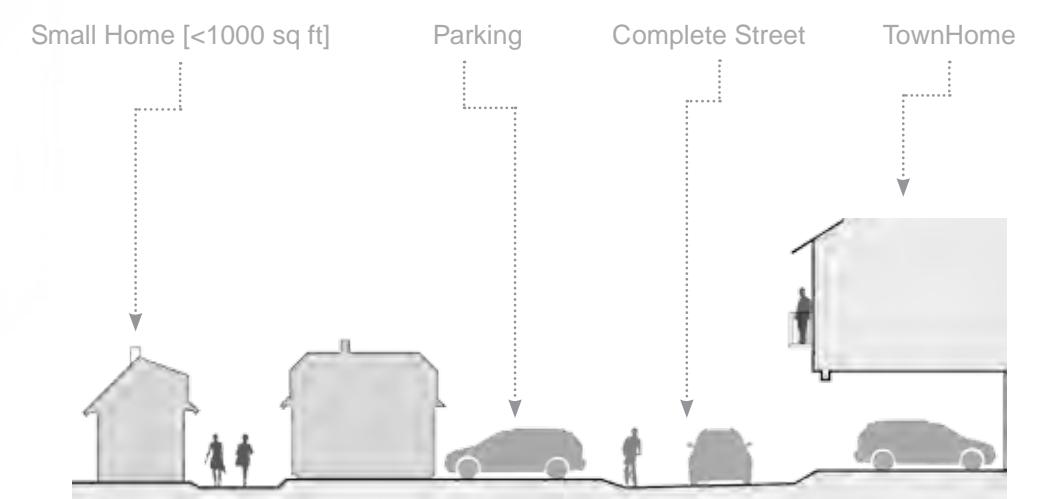
All-American Infill



This community is situated on a crop field surrounded by suburban development. The designer was challenged to create a livable community that referenced both physical and cultural context. A multi-use design was conceived that featured a small-home village, reservoir and canal system, and apartment shopping center made from local, repurposed barns.



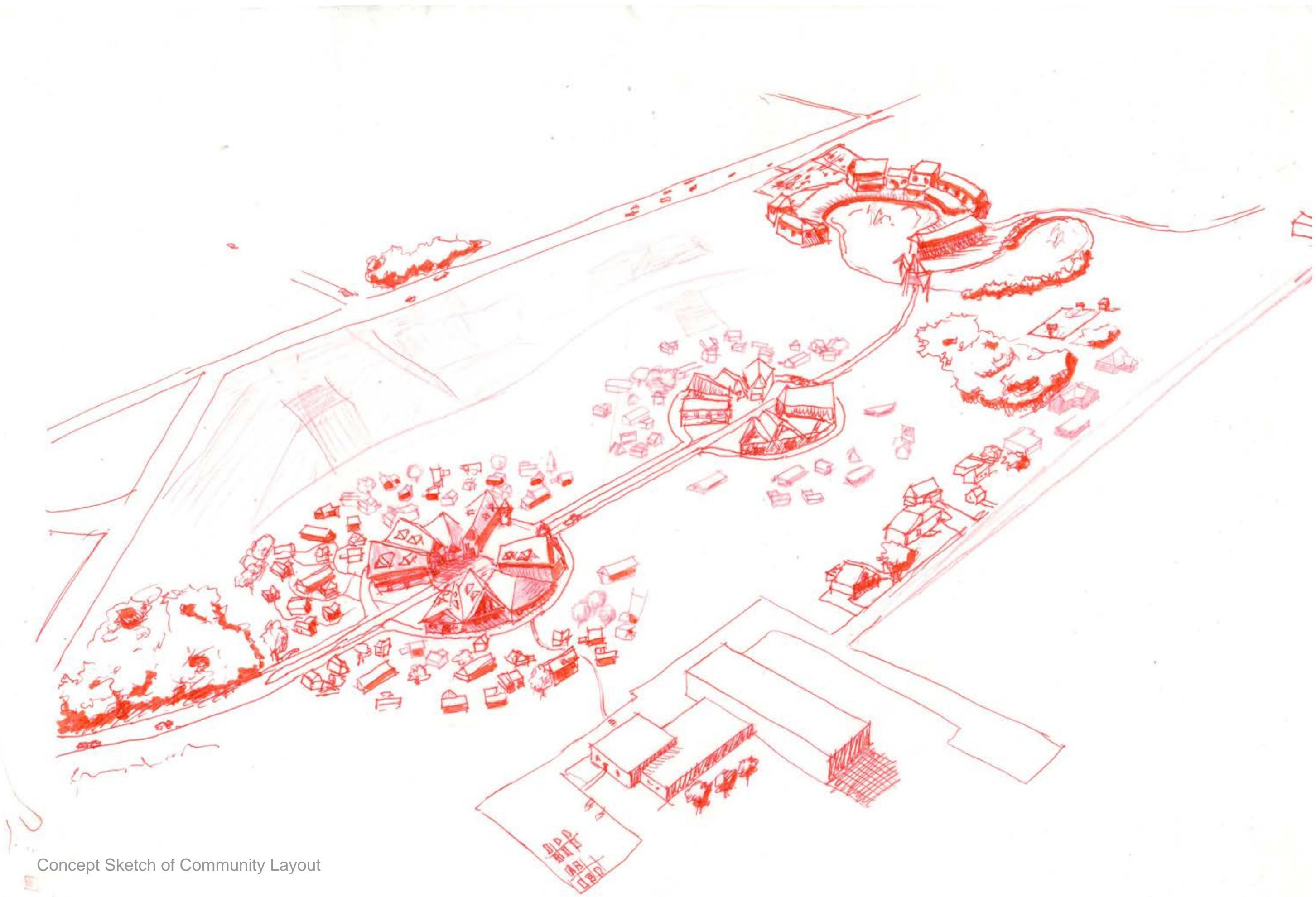
Section through Commercial Area Boardwalk [A-A']



Small Home and Townhouses [B-B']



Aerial View of Village Street

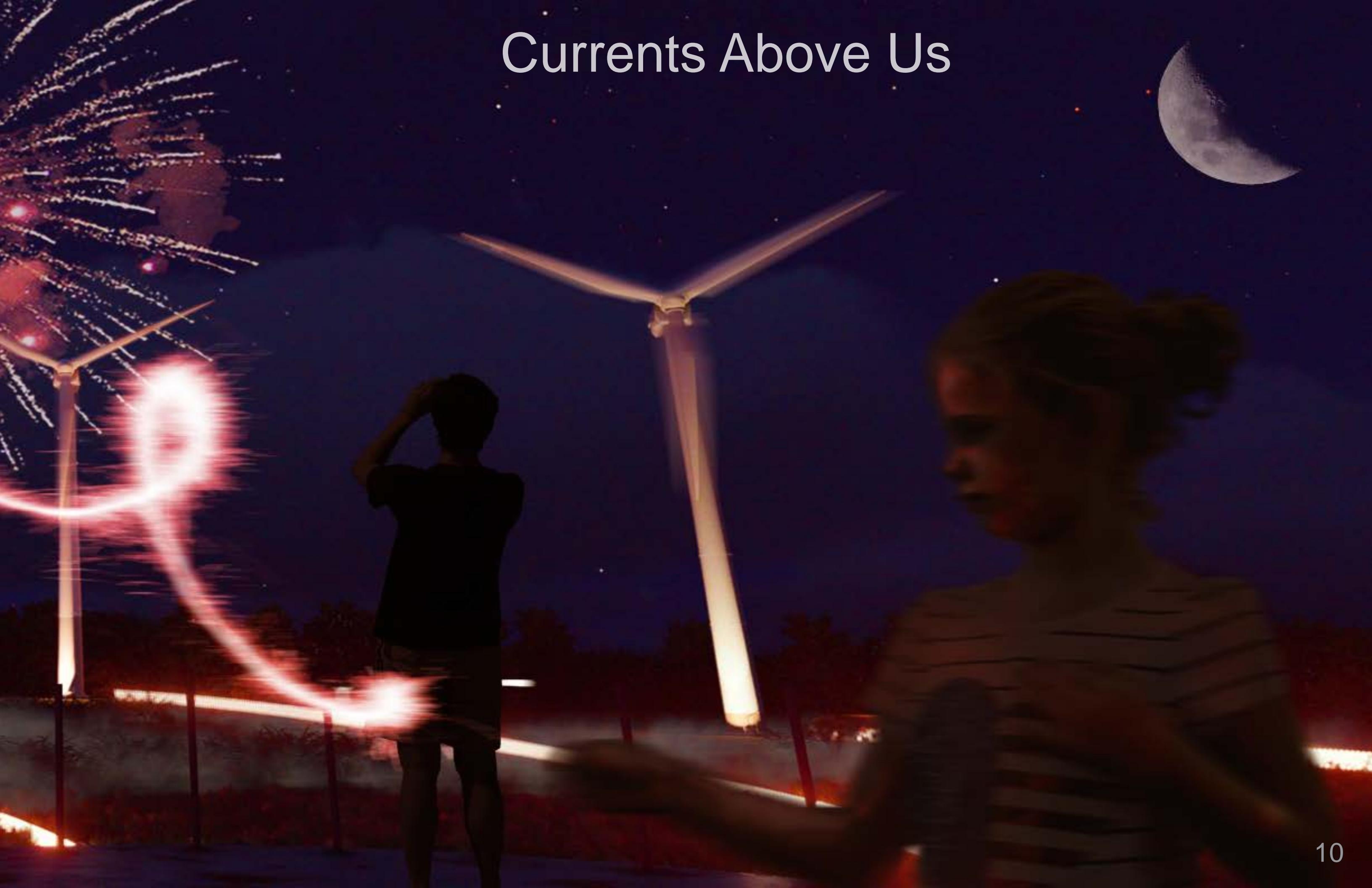


Concept Sketch of Community Layout

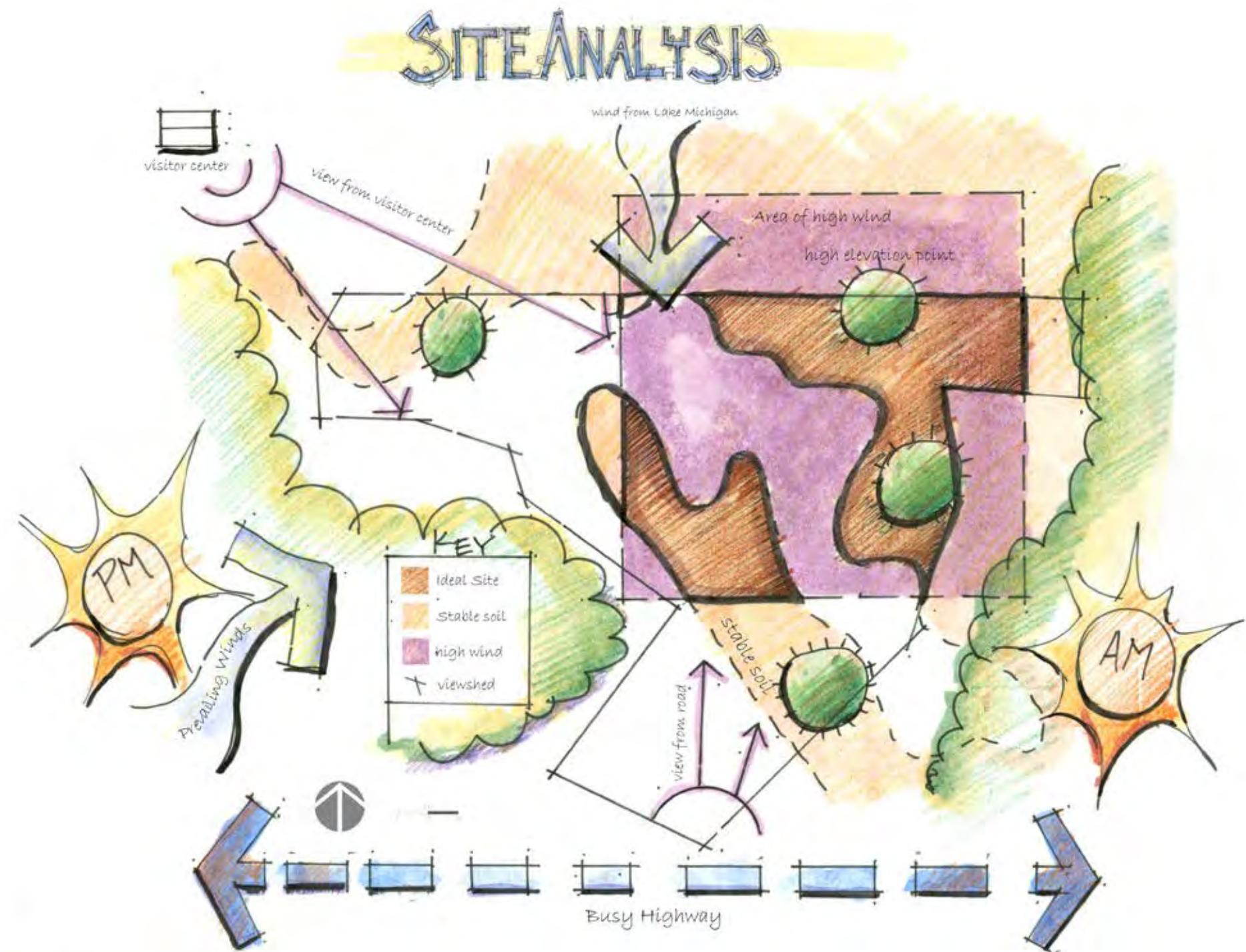
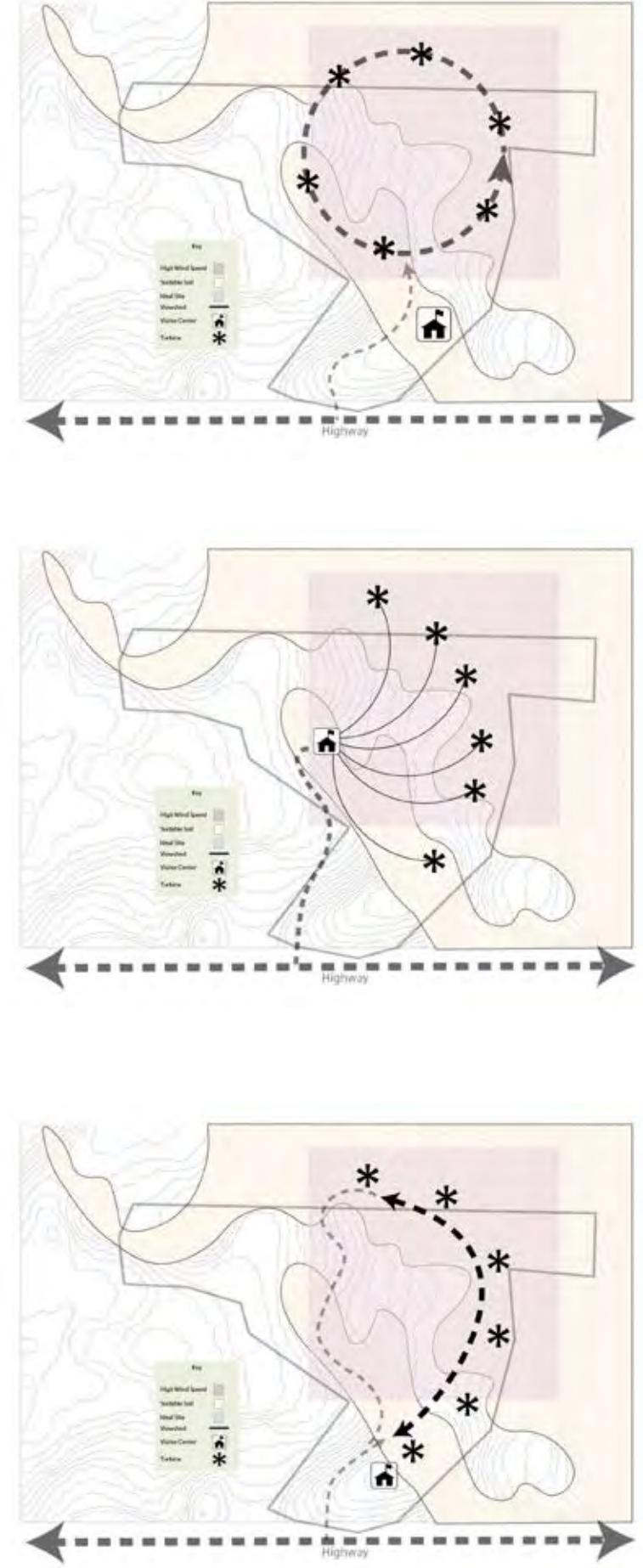


View from Battery Tower of Wind Turbine Complex on 4th of July

Currents Above Us



Design Concepts



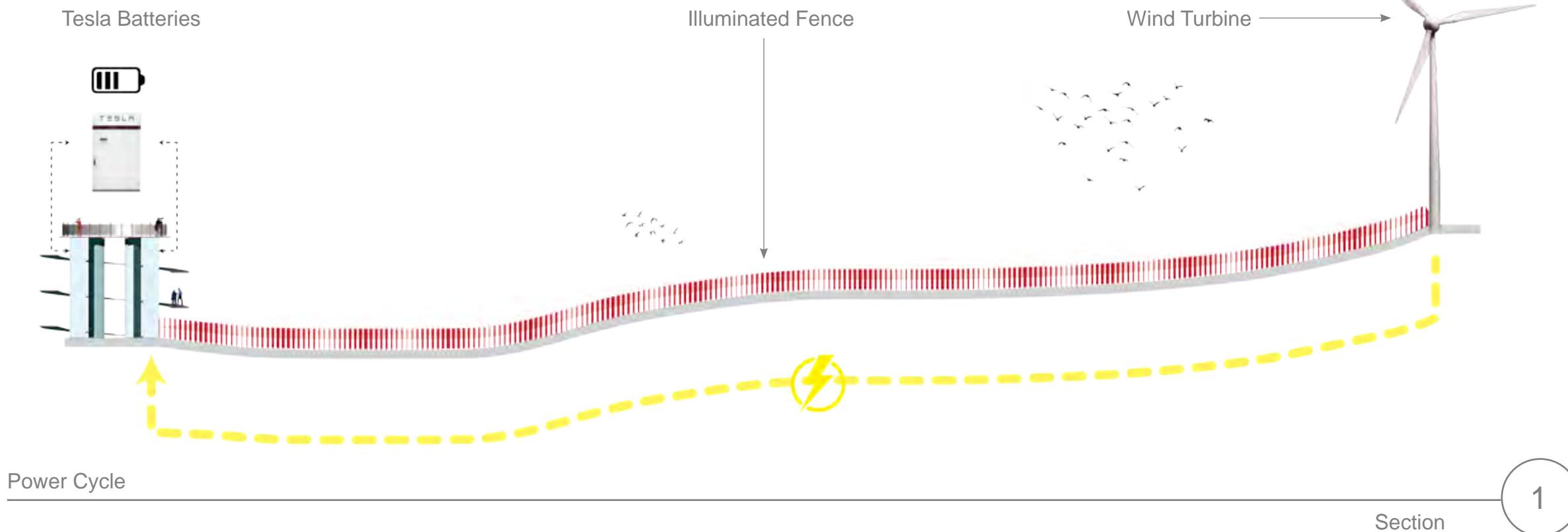
Currents Above Us

This project revolved around designing a renewable energy complex for the Indiana Dunes National Lakeshore.

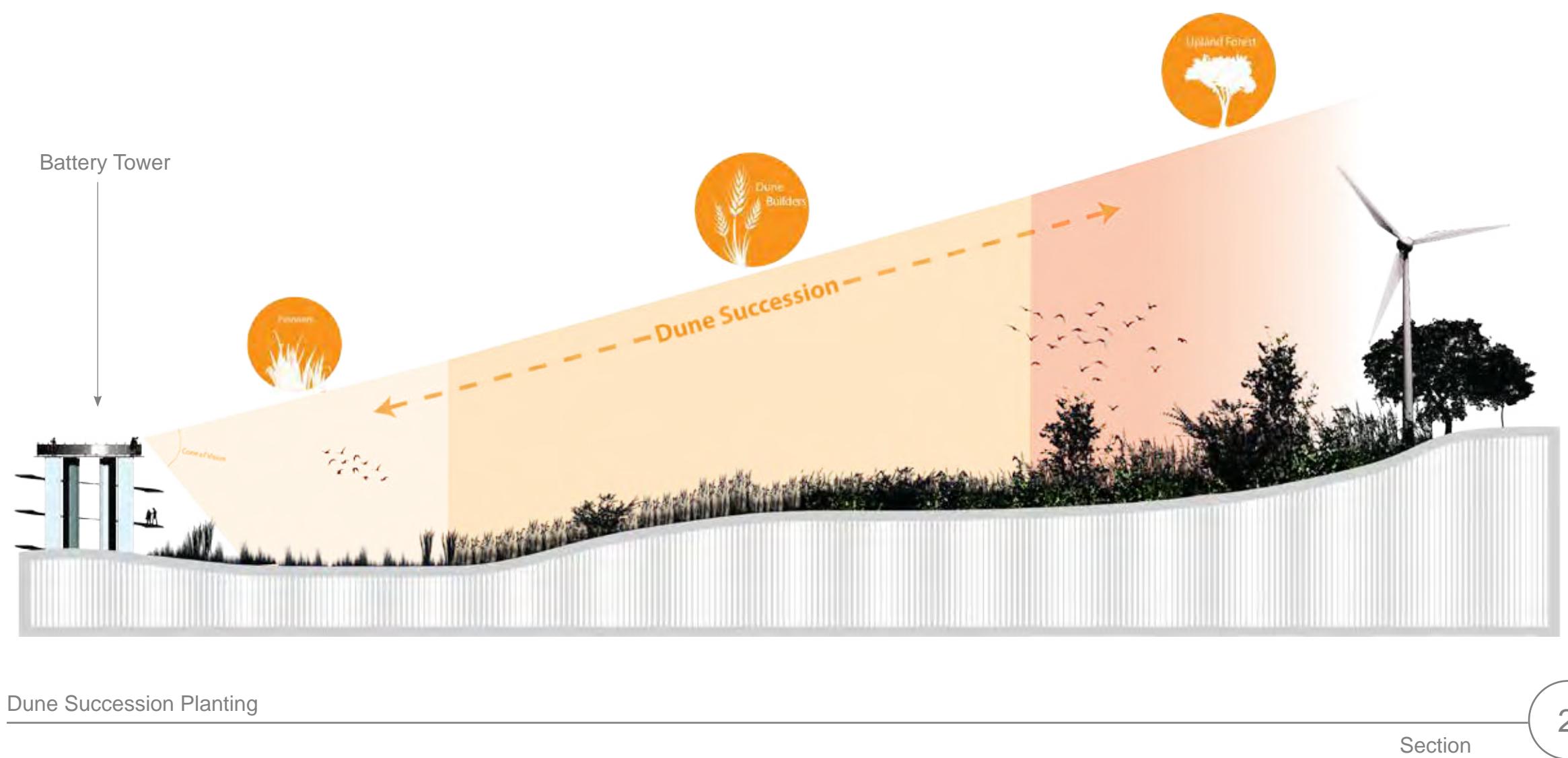
Extensive GIS analysis was performed using ESRI ArcMaps to determine suitable site locations. Afterwards a design was conceived that could power the campgrounds and educate curious visitors.



This section shows the cycle of energy storage. The fence lights up proportionally to the amount of current passing through. Windier days mean a brighter fence row.



This section shows the planting of various plants that relate to ecological communities of the Dunes landscape.





Battery Tower and Turbines on a Clear Night

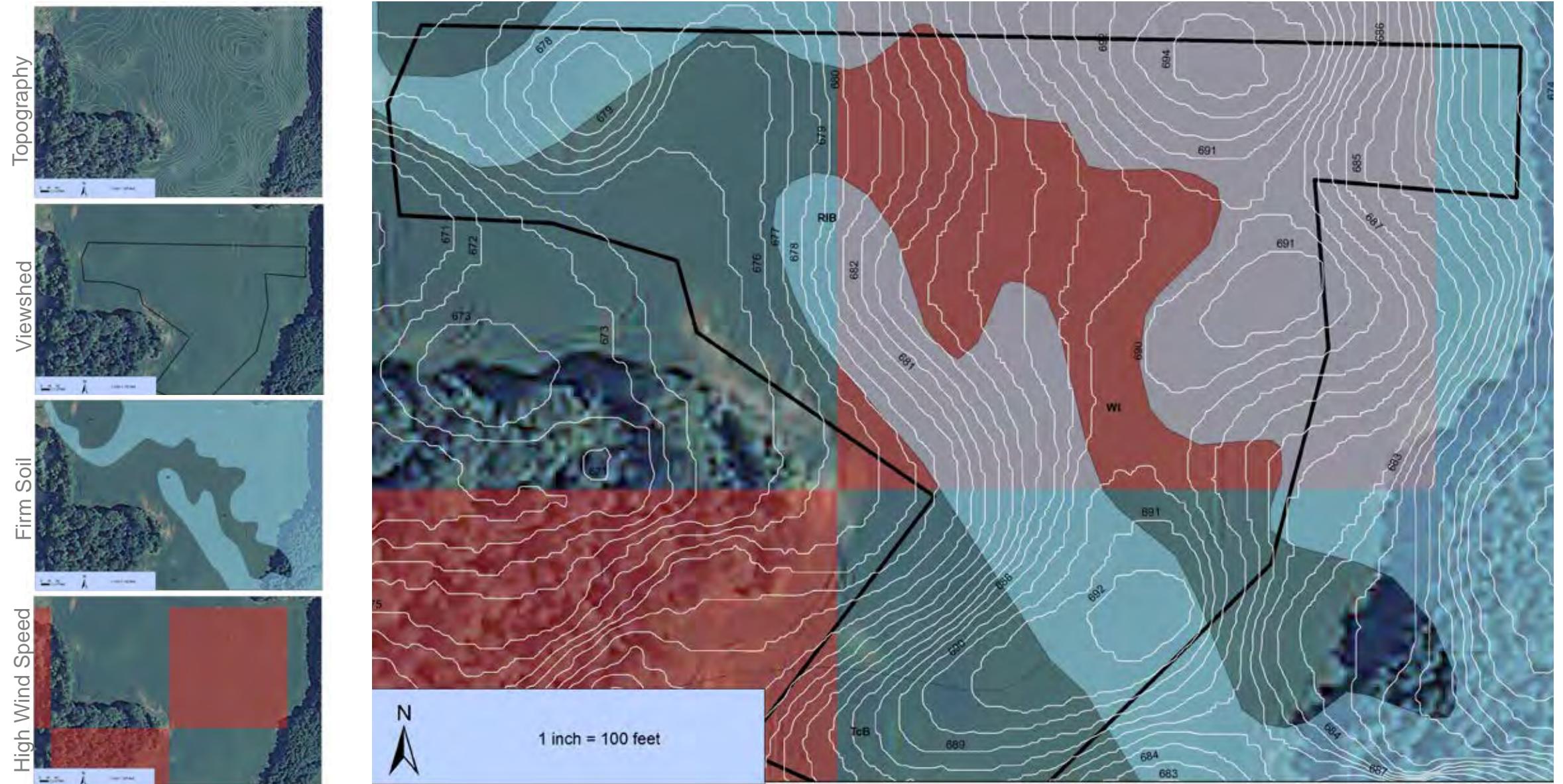
GIS Regional Site Selection Process



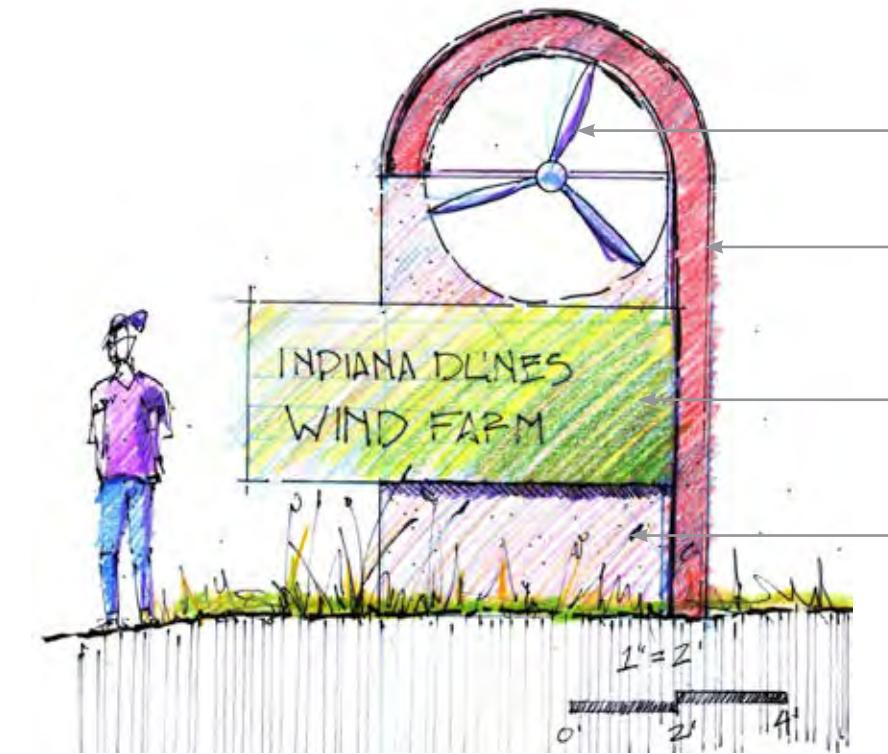
Site Factors

The GIS analysis process started by filtering out sites from a county scale with data such as land use, soil type, wind speed potential, and viewsheds from key points in the Dunes National Lakeshore.

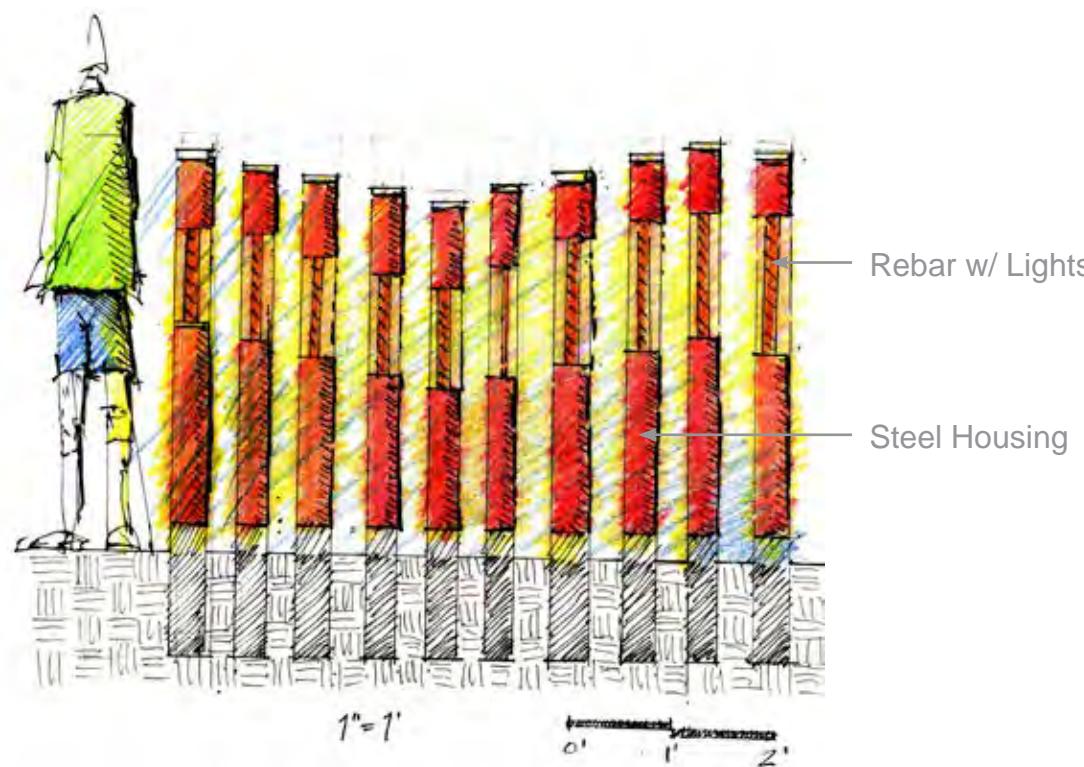
Next GIS was used to prepare a basemap (right) that included topography, the viewshed from the visitor's center, buildable soil, and high wind speed to inform the design of the turbine complex.



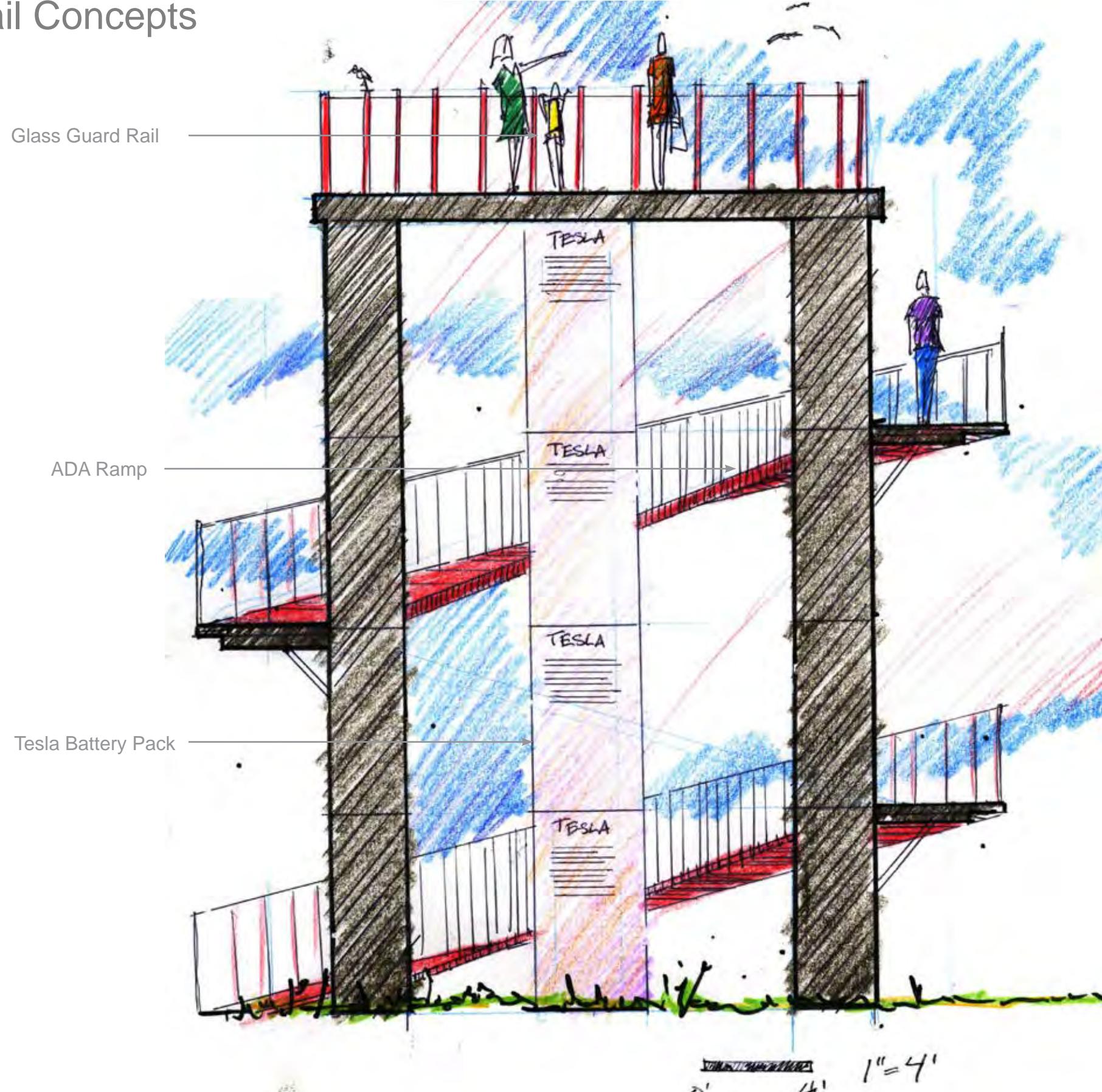
Design Detail Concepts



Entrance Sign
1" = 2'
Elevation 1



Illuminated Fence
1" = 1'
Elevation 2

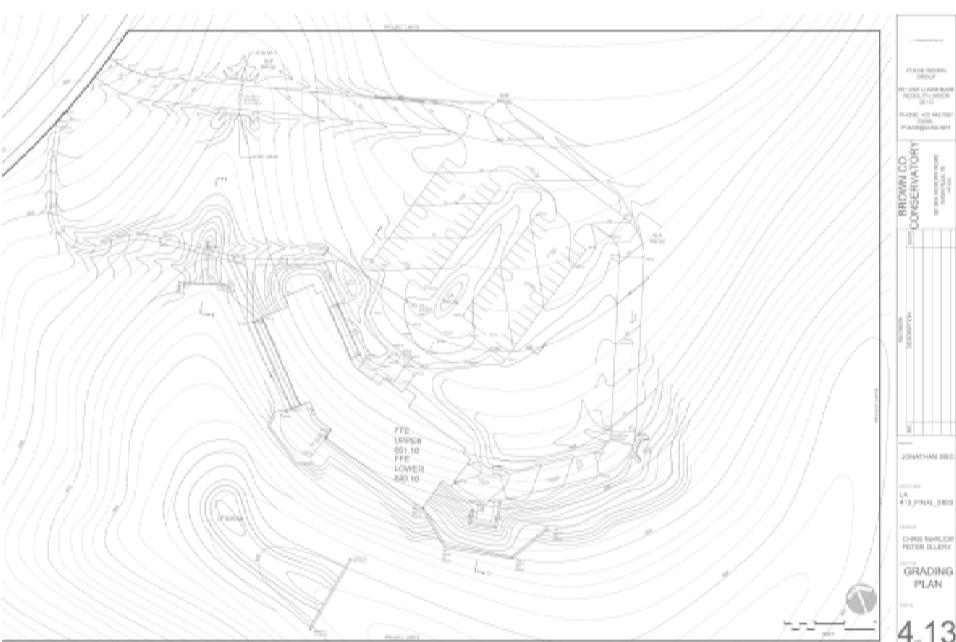


Battery Tower
1" = 4'
Section 3

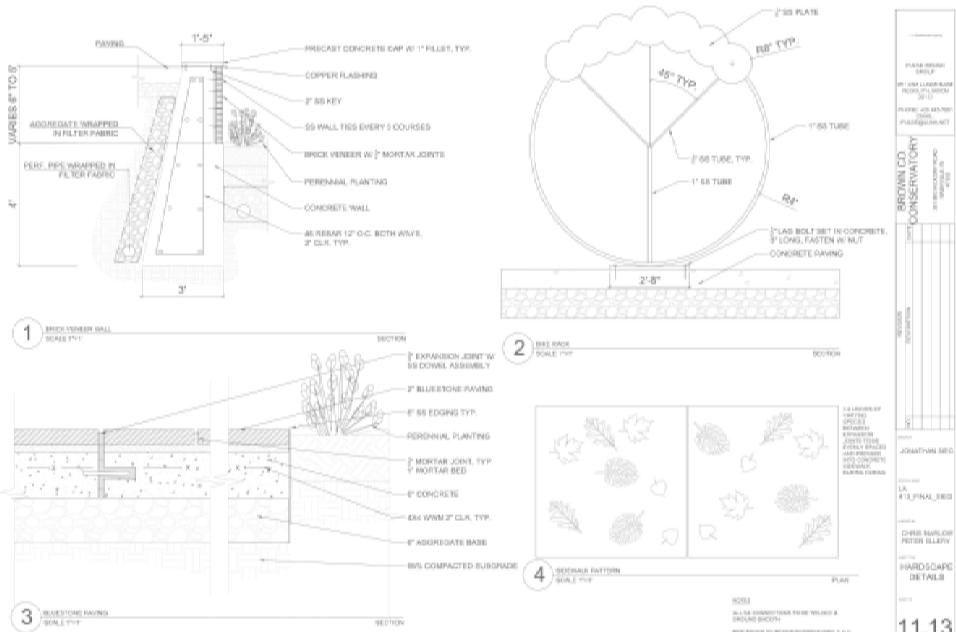
Site Engineering & Construction Documentation

This project involved conceiving and engineering a site for a new nature learning center in an Indiana State Park. After siting the building, parking and key structures were designed to minimize ecological disturbance. An entry road and service drive were engineered to fit over the landscape and connect with an existing road. A system of drains and culverts were also engineered to deal with run-off in a responsible way.

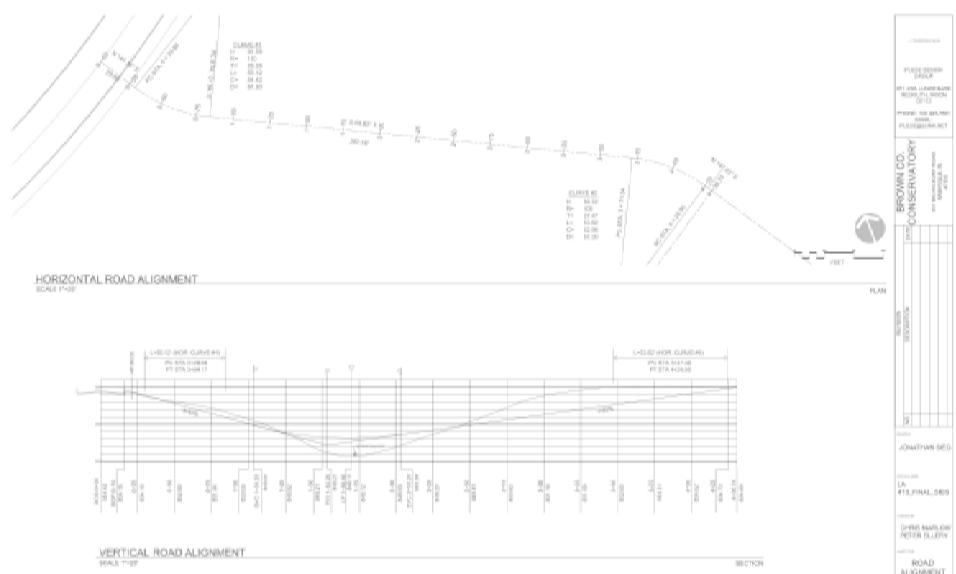
Grading Plan



Design Details



Road Alignment



6.13

PARK LEARNERSHIP
BROWNSVILLE, INDIANA
PROJECT TEAM: BROWN CO.
PLANNING & DESIGN:

PARK LEARNERSHIP
BROWNSVILLE, INDIANA
PROJECT TEAM: BROWN CO.
PLANNING & DESIGN:
CHRIS MARJORAM
PETER GILLERY
ROAD ALIGNMENT

11.13

PARK LEARNERSHIP
BROWNSVILLE, INDIANA
PROJECT TEAM: BROWN CO.
PLANNING & DESIGN:

NOTES

ALL WRITTEN DIMENSIONS
SHALL PREVAIL

SEE ARCHITECTURAL
DRAWINGS FOR BUILDING
DIMENSIONS

IMMEDIATELY REPORT ALL
DISCREPANCIES TO THE
LANDSCAPE ARCHITECT PRIOR
TO CONSTRUCTION

ALL PARKING LOT DIMENSIONS
ARE FROM/TO FACE OF CURB

ALL RETAINING WALLS ARE 2'
THICK

SERVICE RD. CURVES TO BE 35'

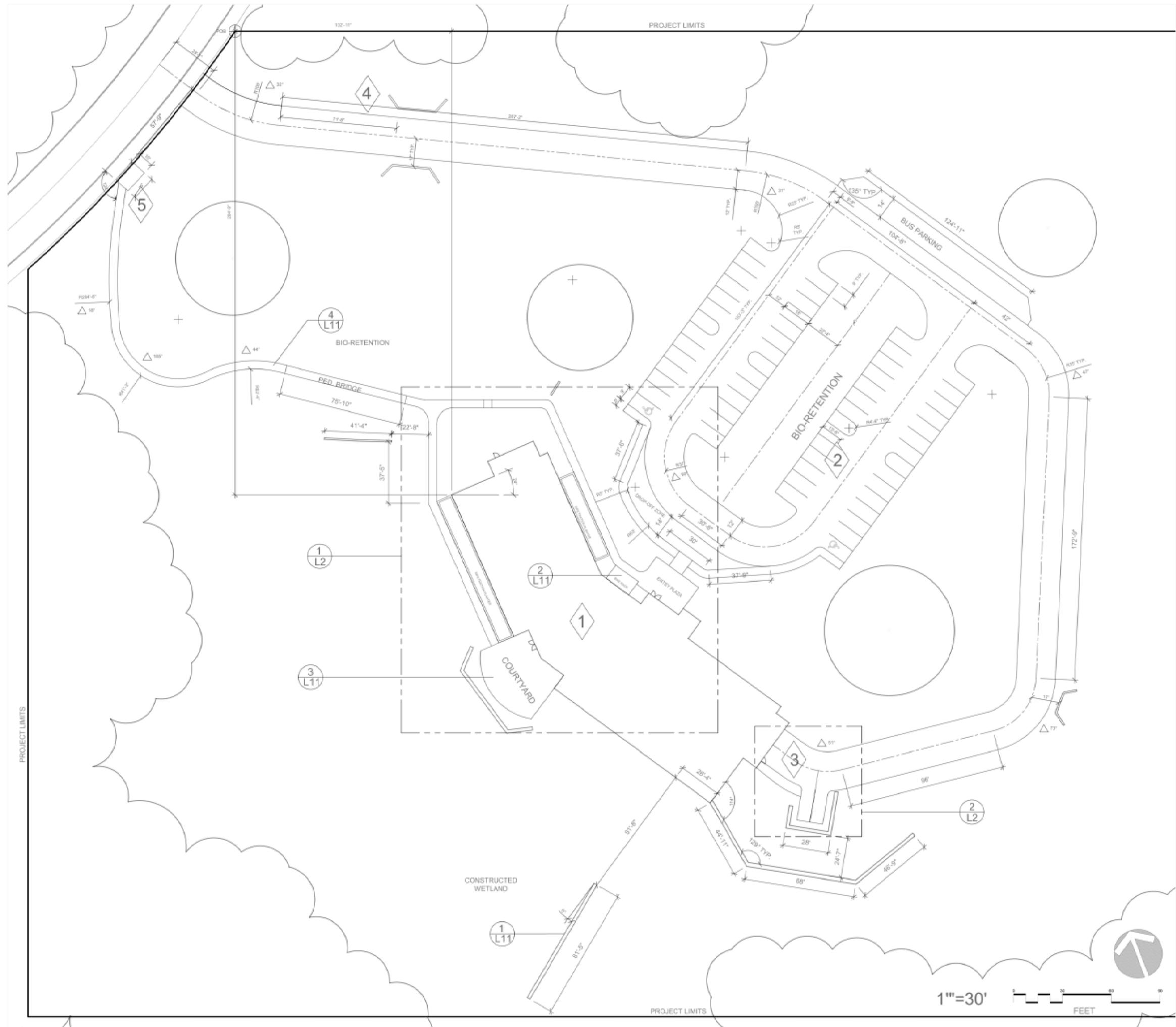
PARKING LOT IS SYMMETRICAL
AND ALL DIMENSIONS ARE
TYPICAL UNLESS OTHERWISE
NOTED. BUS DROP OFF IS AN
EXCEPTION.

ALL PARKING SPACES AND
ISLANDS ARE 9' WIDE

PROJECT COMPONENTS

1. VISITOR CENTER
2. PARKING LOT
3. SERVICE ENTRY
4. MAIN ROAD
5. BUS STOP & PEDESTRIAN
WALK

Layout Plan



J:\Descriptives\luna\00112	
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BROWN CO. CONSERVATORY	
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NASHVILLE, IN	
47302	
REVISION	DATE
NO.	DESCRIPTION
DRAWN BY	
JONATHAN SIEG	
DATE	
APRIL 25, 2018	
DWG FILE NAME	
LA	
413_FINAL_SIEG	
CHECKED BY	
CHRIS MARLOW	
PETER ELLERY	
SHEET TITLE	LAYOUT PLAN
SHEET NO.	