



PROJECT GOALS

RECREATION

- PROVIDE ACCESS TO HIGH-QUALITY RECREATIONAL OPPORTUNITIES IN THE WHITE EARTH STATE FOREST

ECOLOGY

-REESTABLISHMENT AND RESTORATION OF DETERIORATING NATIVE DECIDUOUS WETLANDS

BENJAMIN MOCNIK | MLA CANDIDATE

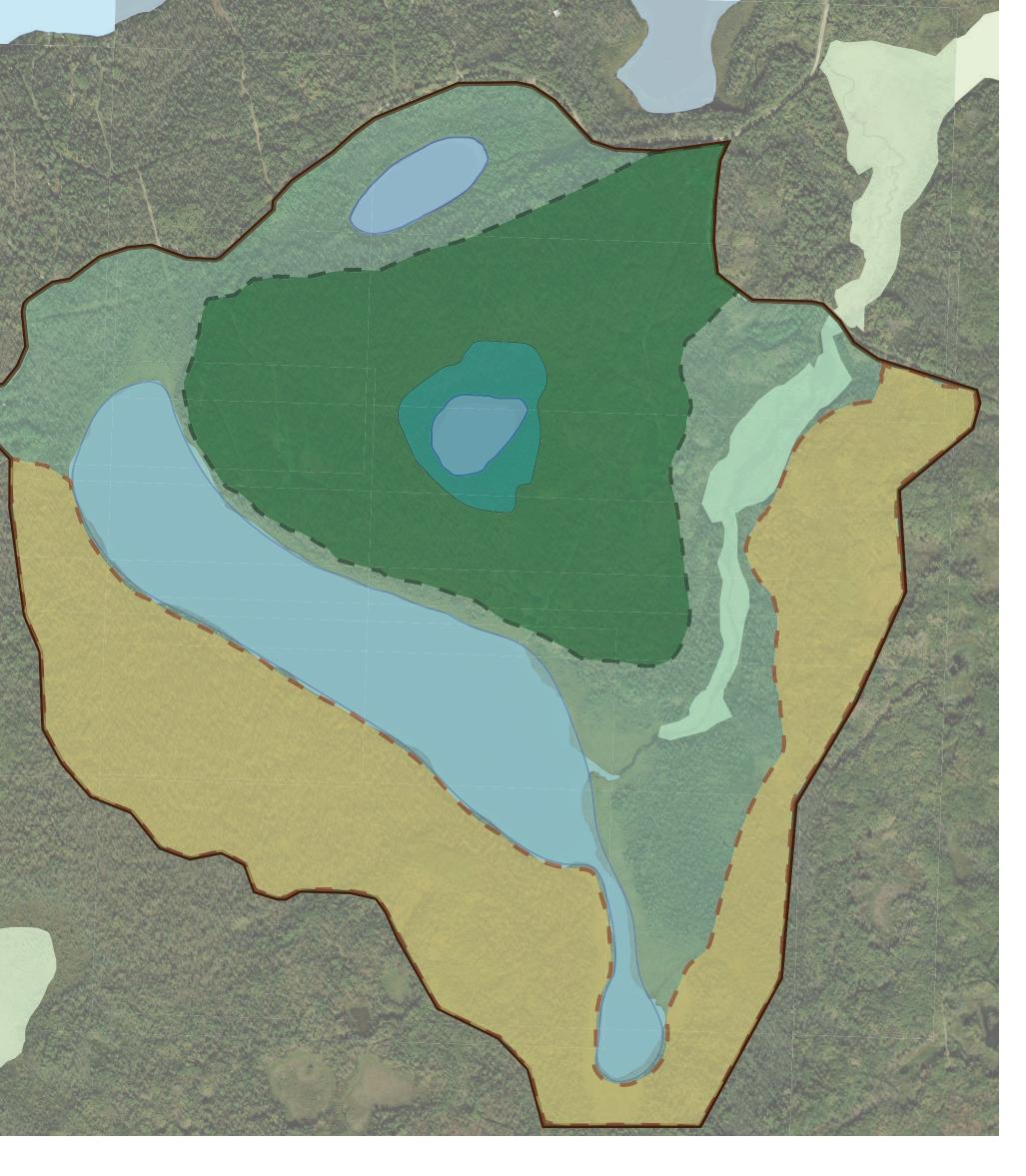
LANDSCAPE ARCHITECTURE 772 | LANDSCAPE ARCHITECTURE GRADUATE THESIS DEPARTMENT OF LANDSCAPE ARCHITECTURE | SCHOOL OF DESIGN, ARCHITECTURE, + ART NORTH DAKOTA STATE UNIVERSITY | SPRING 2023 JAY KOST | DOMINIC FISCHER

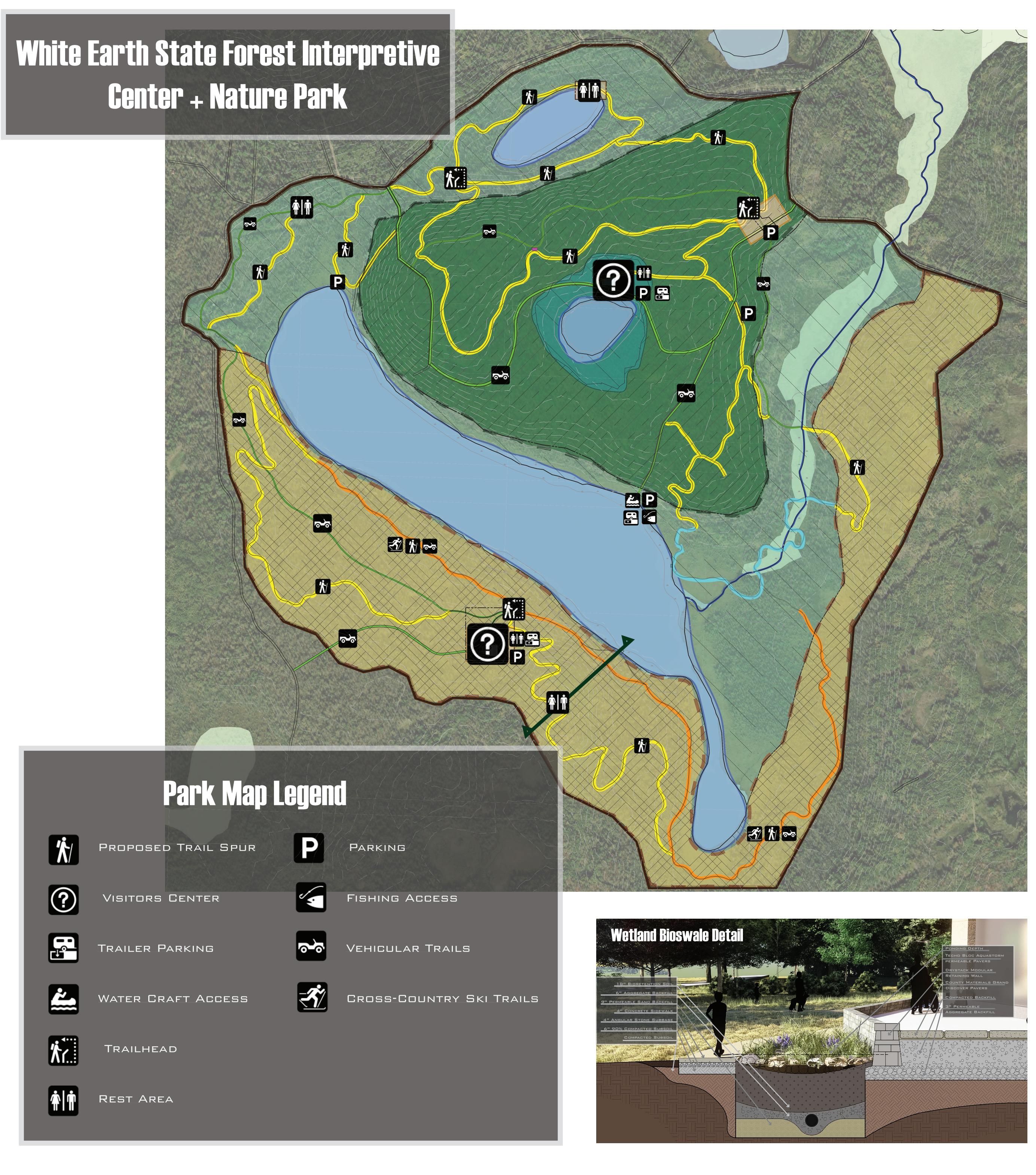




INTRODUCTION

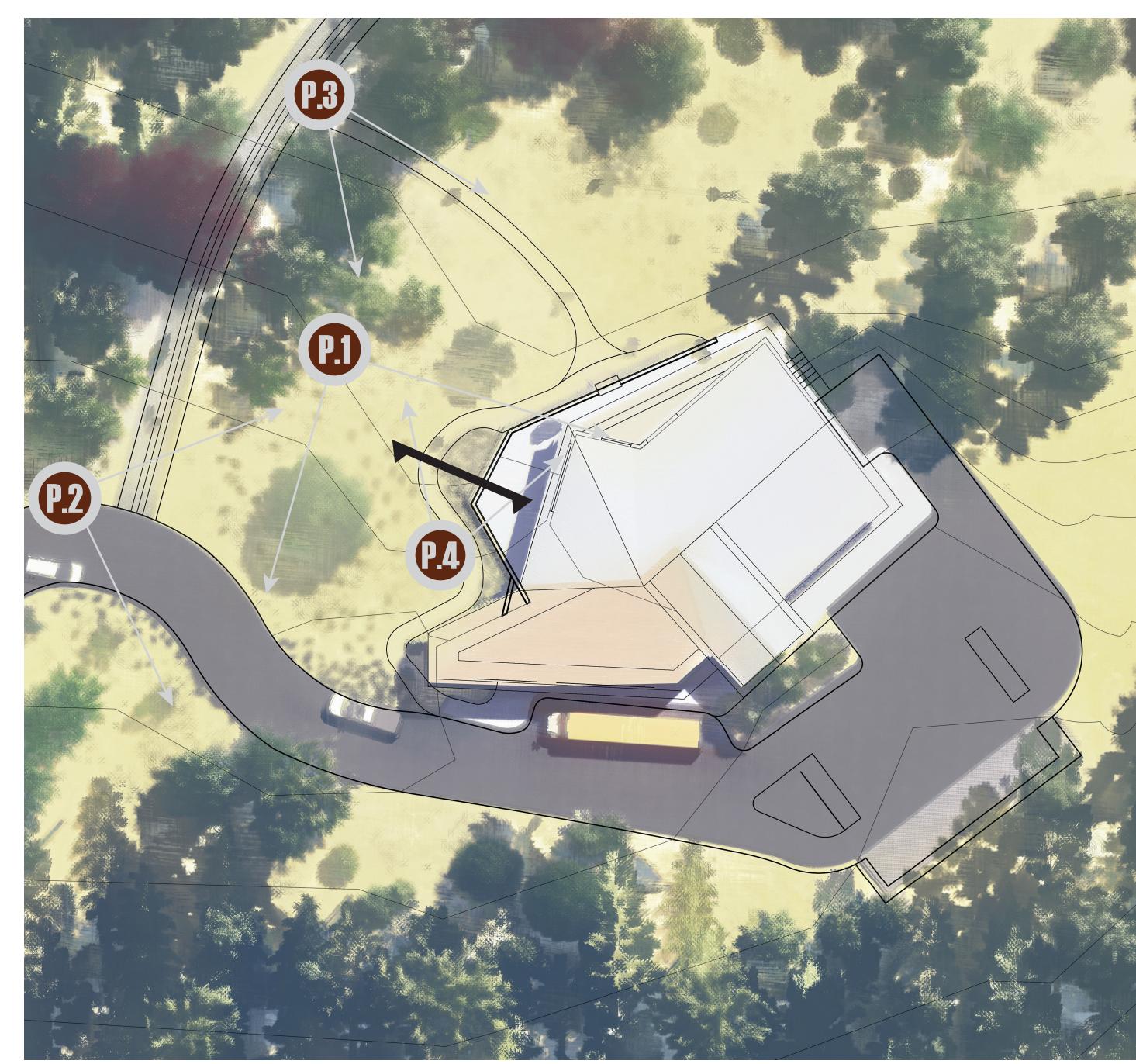
ACROSS THE GLOBE, WETLANDS ARE REMARKABLE NUMBERS OF FLORA AND FAUNA. IN THE U.S., 43% OF THREATENED OR ENDANGERED SPECIES OF PLANTS AND WETLANDS. WHILE THE UPPER MIDWEST IS LIMITED IN TERMS OF BIODIVERSITY DUE TO THE SHORT GROWING SEASON AND HARSH WINTERS, WETLANDS REMAIN A BIOLOGICAL HOTSPOT.



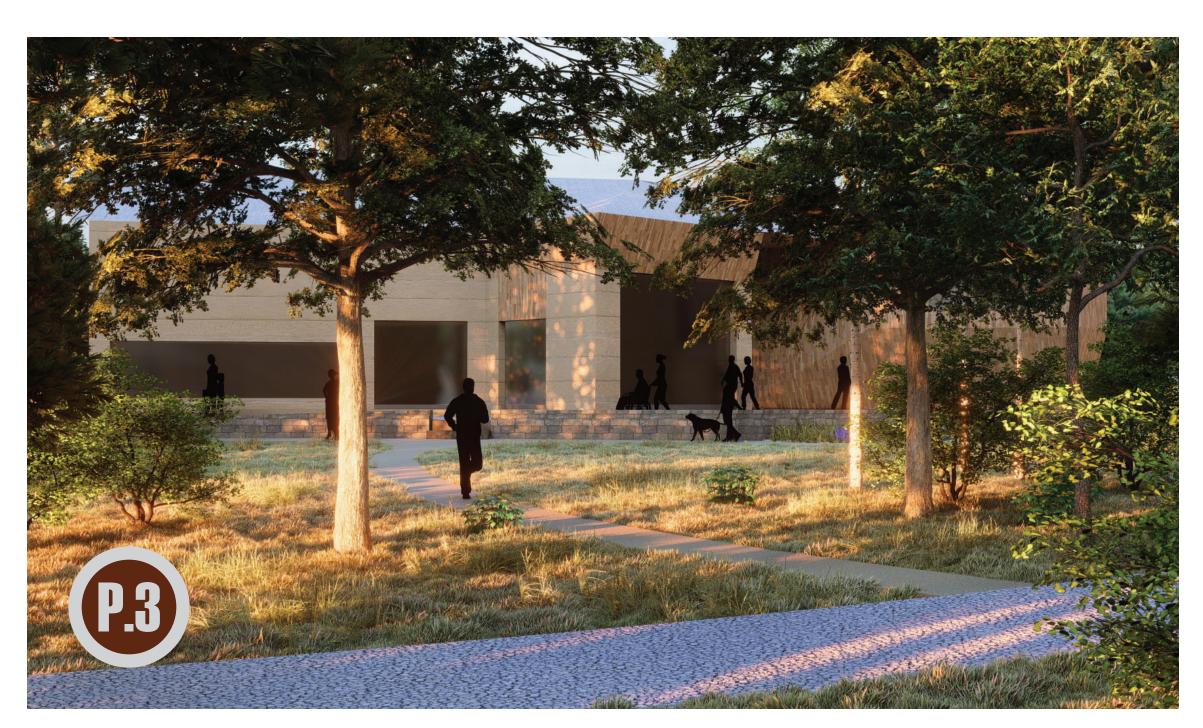








THIS GRADUATE THESIS PROJECT EXPLORES NEW METHODS FOR WETLAND STABILIZATION WHILE CREATING UNIQUE RECREATIONAL OPPORTUNITIES FOR THE SURROUNDING COMMUNITY. THROUGH A DETAILED ANALYSIS OF THE EXISTING ECOLOGY, COUPLED WITH ANALYSIS OF SUCCESSFUL WETLAND ECOSYSTEMS, WHITE EARTH STATE FOREST INTERPRETIVE VENTER + NATURE PARK IS DESIGNED TO MAXIMIZE THE EXISTING NATURAL BEAUTY OF THE NATIVE FOREST WHILE STABILIZING AND REESTABLISHING THE AREAS OF CONCERN. THE PROJECT WILL ALSO FEATURE AN EXTENSIVE BOARDWALK SYSTEM, DESIGNED WETLANDS, KAYAK LAUNCH AS WELL AS A SYSTEM OF RECREATIONAL HIKING \pm BIKING TRAILS THAT MEANDER THROUGHOUT THE PARK













Johnson Lake Rest Area

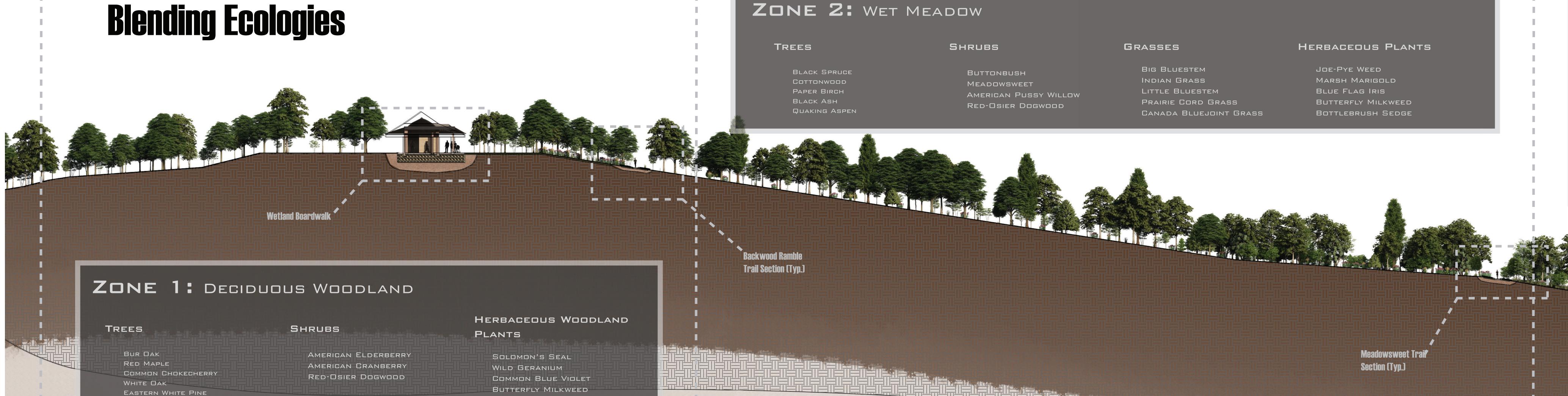
THIS PROJECT SERVES AS A THEORETICAL STUDY ON THE ECOLOGICAL BENEFITS AND IMPACTS OF THOUGHTFUL, LOW-IMPACT INTERVENTION IN SENSITIVE WETLAND ECOSYSTEMS AS WELL AS THE POSITIVE IMPACT THAT INCREASED RECREATIONAL OPPORTUNITIES IN THE NATURAL ENVIRONMENT CAN HAVE ON A COMMUNITY.

PROGRAMMING ELEMENTS | NORTH ENTRANCE OVERLOOK

- PARK PASS VEHICULAR (1) OVERLOOK PARKING LANE
- 2 GATEHOUSE
- TOWERING PINES SPUR TRAILHEAD 0.7 MILES
- 3 TRAILHEAD PARKING
- BLAZING STAR SPUR TRAILHEAD | 1.2 MILES



Blending Ecologies



Canada Wild Ginger

ZONE 3: EMERGENT WETLAND MARGINS

HERBACEOUS PLANTS

GREEN BULRUSH LAKE SEDGE RIVER BULRUSH

SWAMP MILKWEED

WHITE WATERLILY AMERICAN LOTUS

Wetland Boardwalk

6" PERFORATED PVC PIPE