

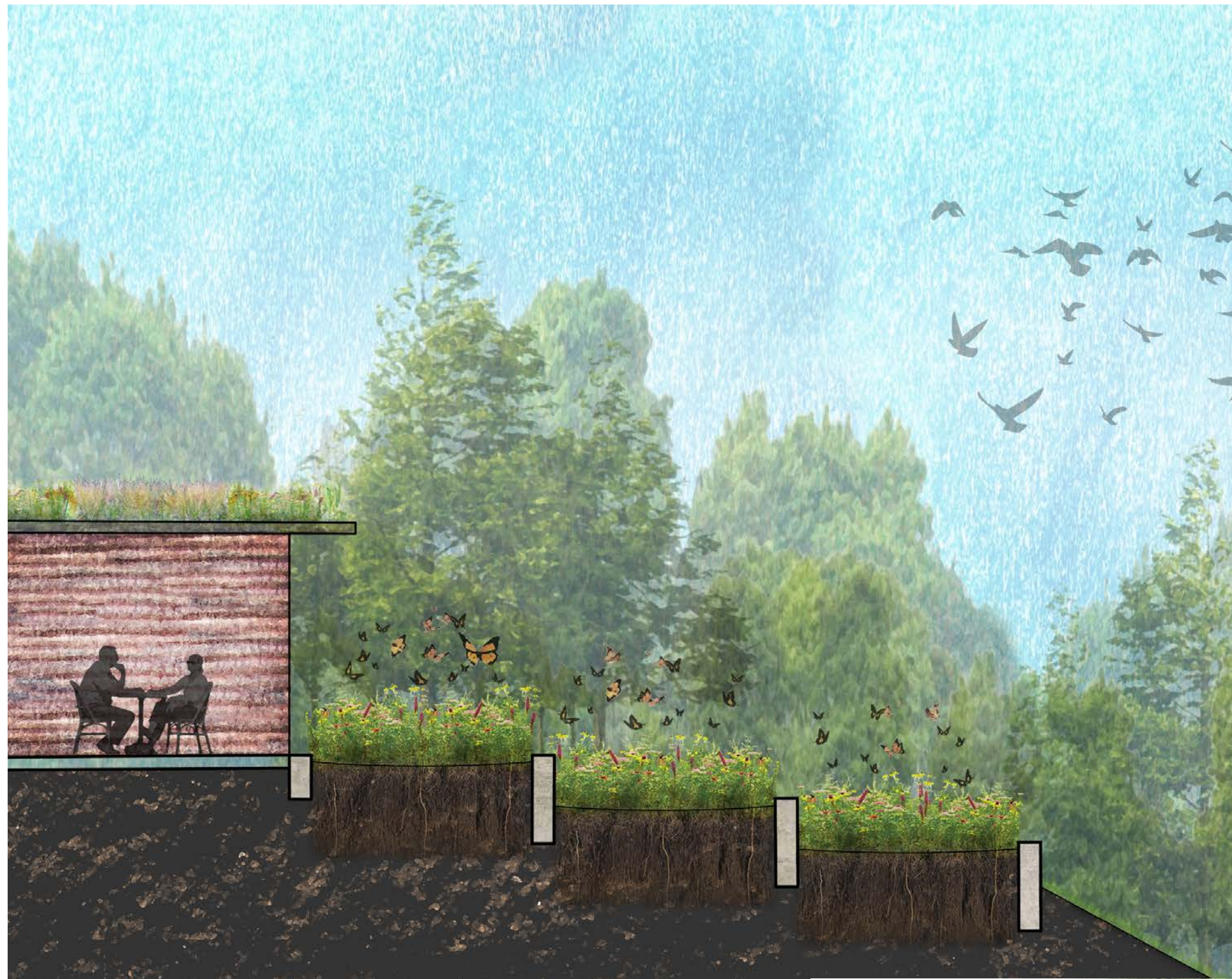


Site Plan of NW Corner

Charlotte Sawyers Natural Area

Parkville, MO

Hannah Brown | Professor Skabelund | LAR410 | Fall 2018
| Kansas State University



Section A-A': Terrace Gardens



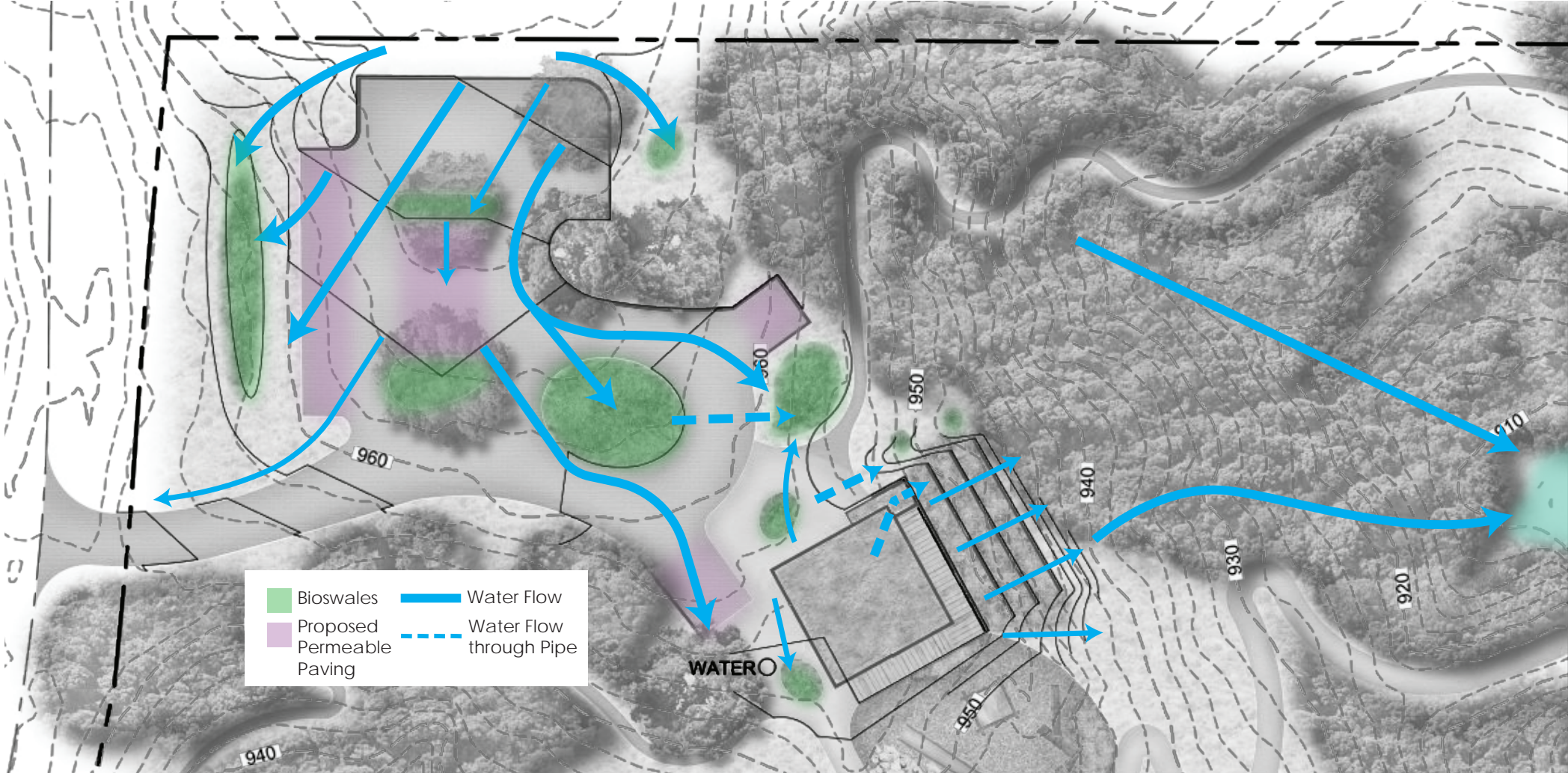
Section B-B' Perspective: Nature Center

Charlotte Sawyers Natural Area is a 20 acre property managed by the Platte Land Trust. The Platte Land Trust wants to provide more amenities and educational programming for their visitors while maintaining a sense of wildness and adventure. The focus of this design is on developing the NW corner around the entry where the topography is flattest as a center for organizing the site's activities.

The education center includes office spaces, restrooms that can be accessed from inside and outside, and an attachment for storage. The building sits at the top of a hill and acts as a gateway to the rest of the site. From the patio are views of the terrace gardens, woods, and pond on the east side, and the natural play area to the south. The plaza space by the vehicle drop-off branches off into two hiking trails that loop around the entire site, and an ADA accessible path that loops through the wildflower walk, to the amphitheater, and past the pond. It also

extends into an offshoot leading to a picnic shelter on the SW side.

In order to help slow, clean, and infiltrate the run-off from the new impervious surfaces, storm-water is directed into an array of bioswales around the development. Water flows from the top of the site and is split onto either side of the parking lot. The green roof system and terrace gardens also hold water from the building. The proposed planting would consist mostly of native species of wildflowers and grasses to aid the Platte Land Trust in their prairie restoration efforts. The wildflower walk and terrace gardens would emphasize plants that attract birds and pollinators, while the plants in the bioswales would have deeper roots and be well suited to filtering water and surviving periods of drought. Plantings around the building help integrate it into the landscape as well as demonstrating sustainable site features and native plantings to the visitors.



Water Flow Diagram



Section C-C' Perspective: Parking Lot

Proposed Species



Sporobolus heterolepis
Prairie Dropseed



Bouteloua curtipendula
Side Oats Gramma



Schizachyrium scoparium
Little Bluestem Grass



Penstemon digitalis
Foxglove Beardtongue



Symphyotrichum oblongifolium
Aromatic Aster



Asclepias syriaca
Common Milkweed



Echinacea purpurea
Purple Coneflower



Liastris aspera
Rough Blazing Star



Solidago speciosa
Showy Goldenrod



Coreopsis lanceolata
Lanceleaf Coreopsis



Rudbeckia fulgida
Orange Coneflower