

ROLLING HILLS Redesign of Two Creeks Natural Area

Fossil Creek Park, Fort Collins, Colorado

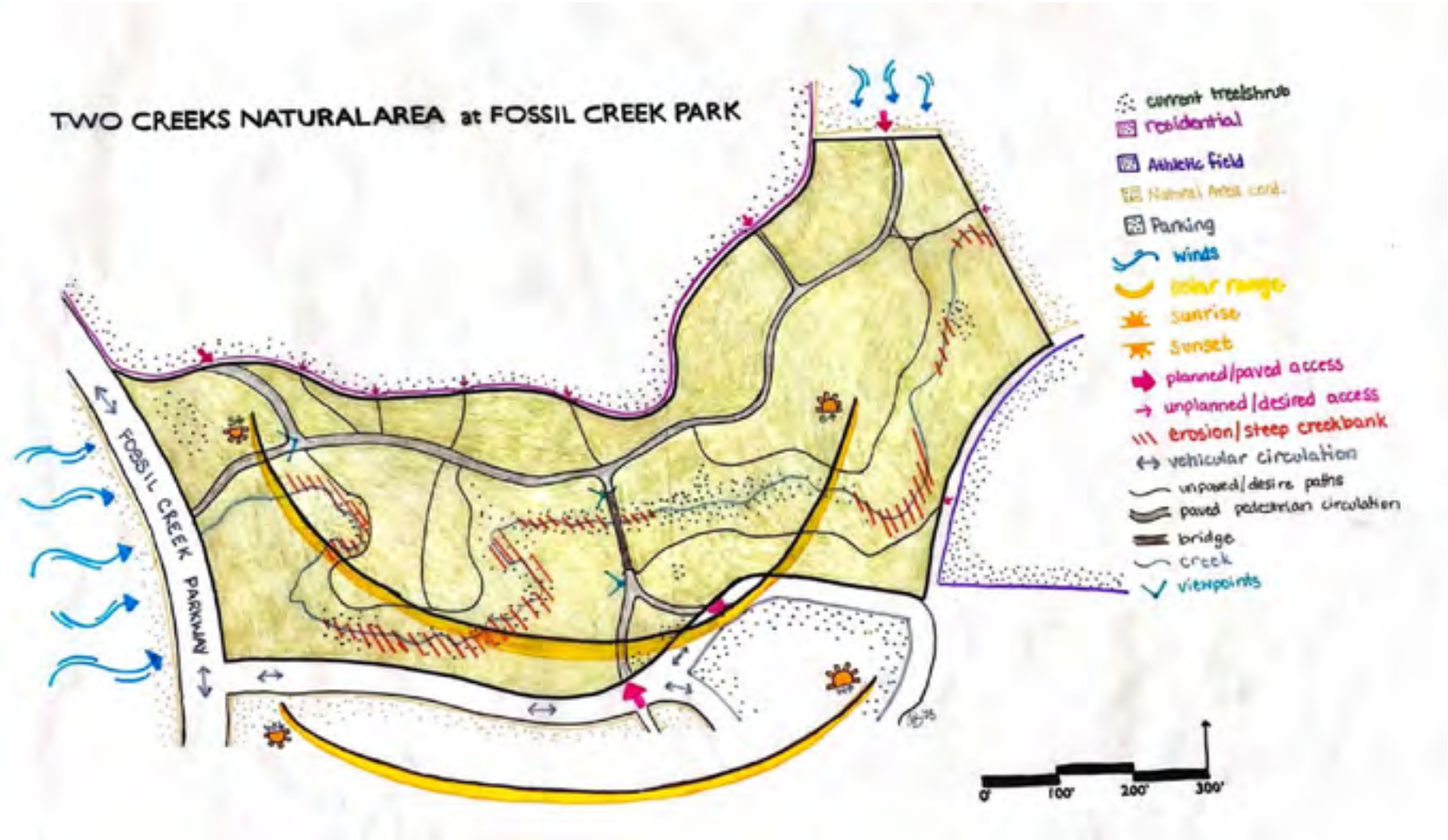
Leslie Berger
LAND240 Spring 2023

SITE ISSUES

The site is located on the southern side of Fort Collins, and is designated open space. This area is part of Fossil Creek Floodplain, meaning this area has the potential to be a retention area immediately following an intense flooding event. One of the biggest issues with this site is the extent of erosion that has already happened along the creek. Without mitigating this contiual wear, the surround roads and sidewalks could potentially collapse. Because this area is a flood plain, vegetation can have a hard time surviving during the wet periods. This site also gets direct sunlight and wind exposure, further hindering possible vegetation and activities.



SITE CONTEXT ANALYSIS



SITE SKETCHES



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SITE SKETCHES



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PRECEDENTS

Menomonee River Valley Redevelopment & Community Park Milwaukee, WI

Wenk Associates revitalized a previous industiral area into a sustainably designed industrial area with a vast community park and 24-acres of open space. The Three Bridges park has been reimagined into a native landscape, providing several ecological benefits. This design translates to Fossil Creek by maintaining water paths while keeping erosion at bay.



Gathering Place Tulsa, OK

Michael Van Valkenburgh Associates revamped a stretch of the Arkansas Riverfront. The planned 100 acre site has focused on maintaining the natural ambiance while providing people a place to enjoy the outdoors. The Gathering Place designs relate to the Fossil Creek site due to the river/creek proximity and the desire to protect the natural environtment while creating a place people want to be.



Restoring the Waters Creek Restoration Fairfield, Sydney suburb, Austrailia

GANSW demonstrates how a design can rewrite how storm water is controlled in an urban environment. GANSW created a biologically diverse ecosystem while improving water quality and drainage. This design could be useful in regards to Fossil Creek as an example of a thriving watershed ecosystem that is not only functional, but beautiful.



SITE SECTIONS



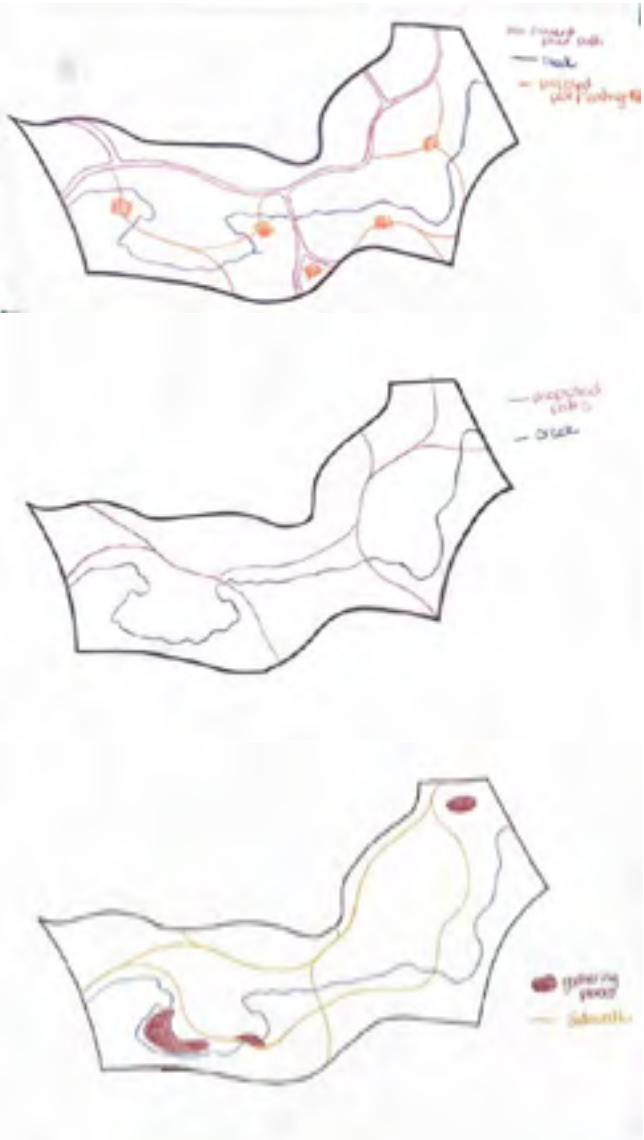
SITE PHOTOWORK



CONCEPT

Rolling Hills

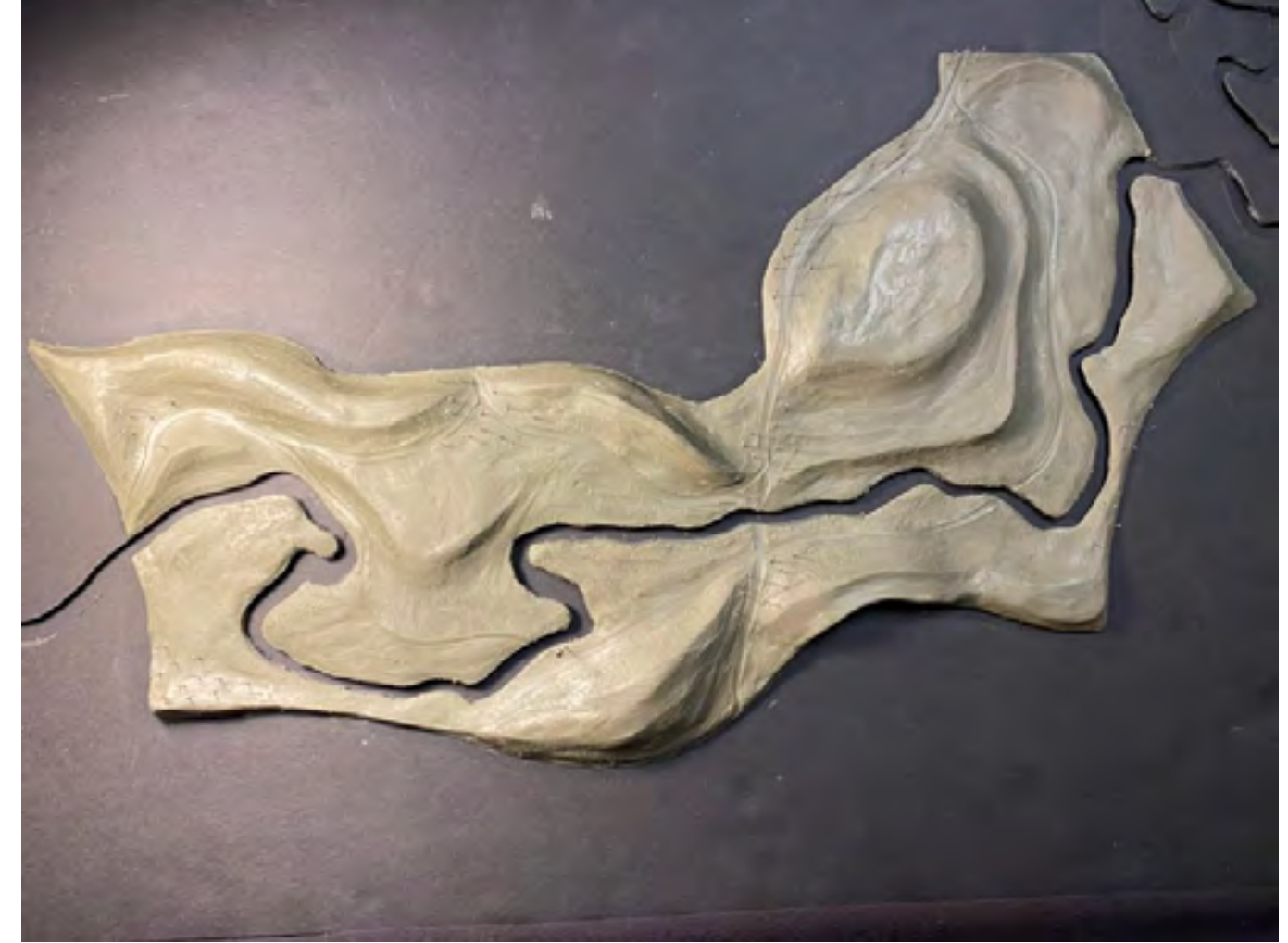
The Rolling Hills redesign of Two Creeks Natural Area serves to create an oasis for those visiting. The added landforms create varying degrees of isolation, from the intimate path on the west end to the vast open spaces along the creek. The rocky bank acts as a flood control but is also somewhere for visitors to explore. The elevated bridge allows for an exaggerated view of the western half of the site, as well as the open space and mountains beyond. The various landforms are created with flooding in mind. As the floodwaters rise, the experience within the site shifts - lower landforms, accentuating other landforms. Native plants and trees increase the biodiversity of the area, along with the riparian plants along the creek. The proposed changes will help diversify the area while maintaining a high plains environment.



DESIGN PROCESS - LANDFORM



DESIGN PROCESS - VEGETATION



SITE PLAN



PERSPECTIVES



SECTION

