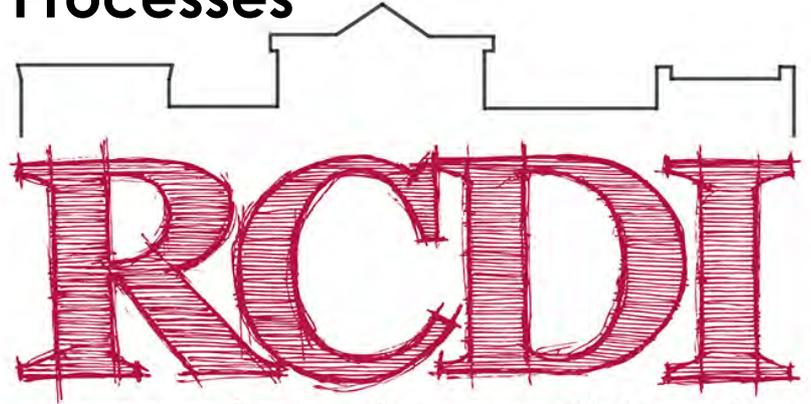


Collaborative Planning Processes



a community | university collaboration

Rural Communities Design Initiative

October 18, 2016

IACC

Kathleen Ryan

karyan@wsu.edu

School of Design and Construction
Washington State University
Pullman, Washington

University **Collaboration**



Mattawa Government Road planning workshop

Our intention is

renovate, repurpose or recycle
community properties through
conceptual visioning

Our value is

more potential for preservation
more potential for sustained community
more focus of energies
develop a visual concept

Our method is

immersion in the community,
participatory design
follow up support



Mattawa Government Road planning workshop

We are

research and design faculty
advanced design students

- Interior design
- Landscape architecture
- Architecture
- Construction management

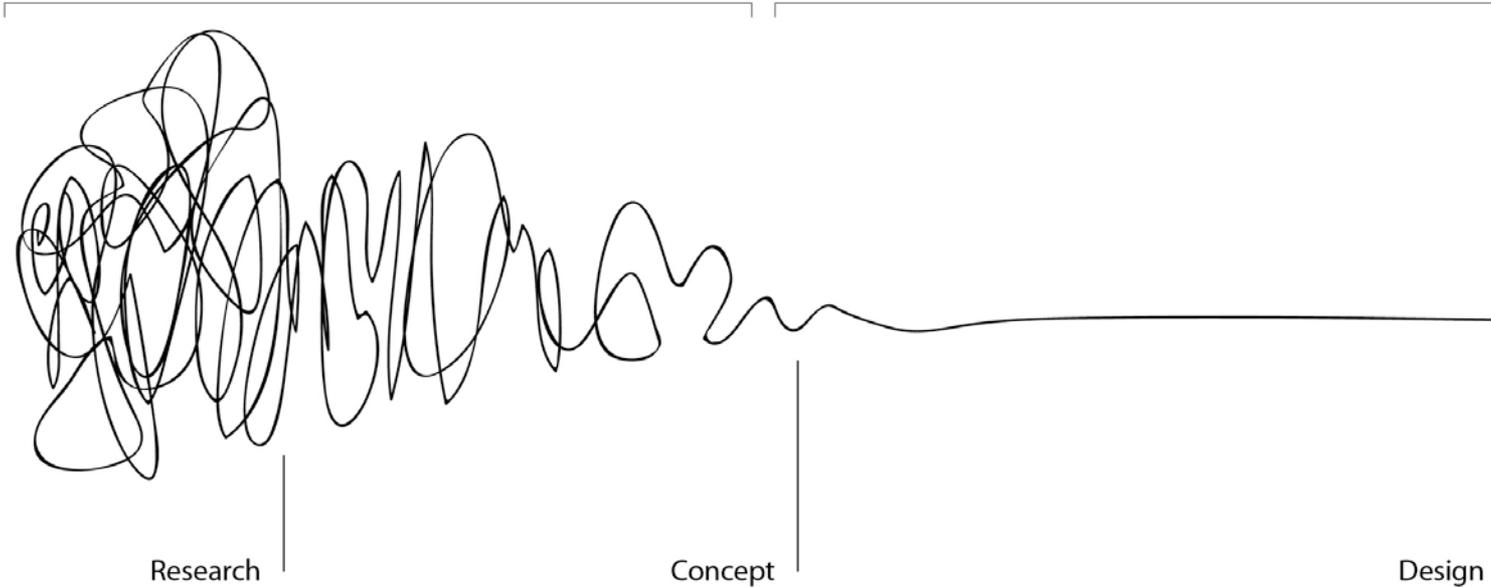
We do

CONCEPT with the community

design process

Uncertainty / patterns / insights

Clarity / Focus





Soap Lake parks & recreation planning workshop

RCDI outreach works with a variety of initiatives over numerous semesters.

Most RCDI projects are crafted to have the majority of the work done within one semester's studio.

RCDI provides additional support to the community to keep the projects moving forward in subsequent semesters.

The **goal of RCDI** is to work with a community to **develop a concept**.

What RCDI brings to the collaboration:

Collaboration provides a face to face connection with the community.

A “**doing with**” approach as opposed to a “**doing for**” approach.

Engaged students and faculty

Process

Site Visit - Ground Truthing

Asset mapping

Ethnography

Community Visioning Workshop

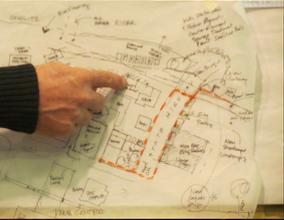
Concept design work

Concept design review with community

Concept design revisions

Deliverables tailored for the project

Evaluation and Assessment



What the community brings to the collaboration:

Champions or **Visionaries** – individuals who lead the effort

Logistical support – individuals who pull the events together

Funding for transportation, meals, printing

What the community brings to the collaboration:

Open to all ideas

Open to all community members

Open to diverse points of view

Avoid hidden agendas

Ideation | what do you need to know about your community's vision of its future?

Consider the focus topic for a design workshop

revitalize downtown, develop storefront character, repurpose vacant spaces, renovate/repurpose existing buildings, develop trail and park system, build a commercial community kitchen, develop a historic walking tour

Why do you think such a project would **benefit your community?**

Consider **your local resources** in people and services.

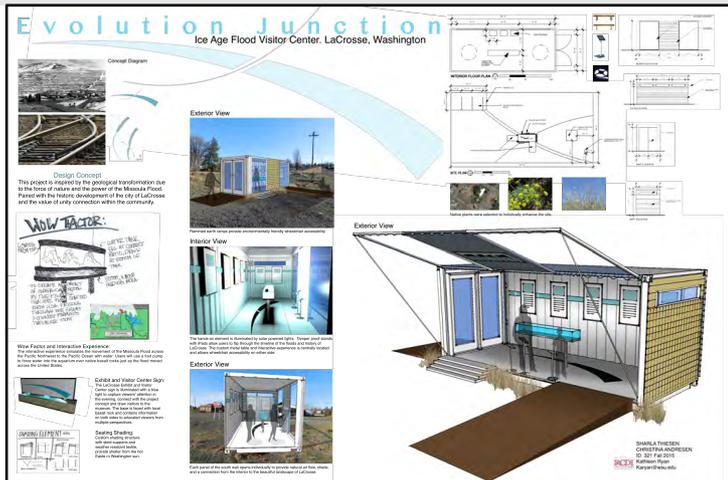
Consider how **your community will invest and contribute** to the success of the project.

Be open to new ideas

focus on the community-based question to develop a concept

recent projects:

- Rosalia, WA Commercial Community Kitchen
- Electric City Regional Nature Trails | Ice-Age Flood
- Colfax, WA Community Enrichment Center
- Mattawa, WA Main Street design
- Colton, WA Bike trail between Colton and Uniontown
- Hartline, WA Adaptive Re-use of 20th Century School
- LaCrosse, WA Pop-up Visitor Center
- St. John, WA Community History Museum



benefit your community

- S** Strengths
- W** Weaknesses
- O** Opportunities
- T** Threats

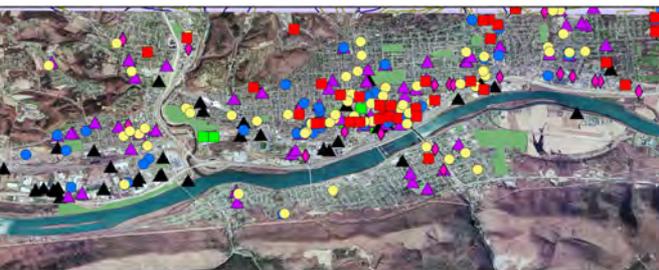


local resources | Bring people together



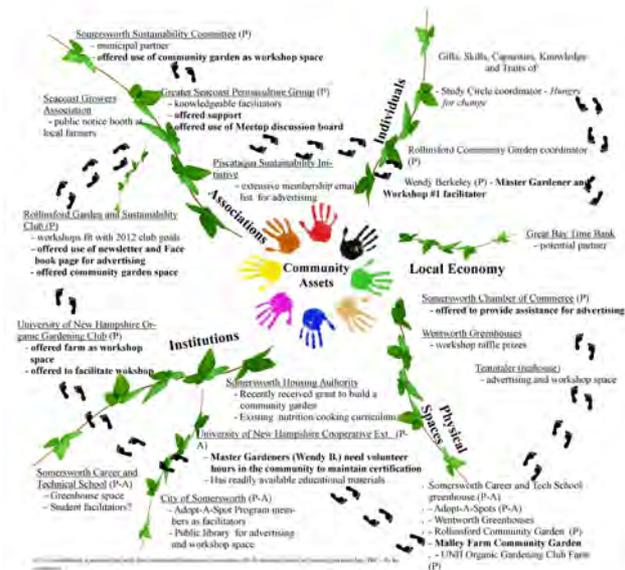
Sauk-Suiattle Indian Tribe Village planning workshop

local resources | asset mapping



- Health Care
- ◆ Food
- Government
- Churches
- ▲ Education
- Community Resources
- ▲ EPA Sites

abcdinstitute.org



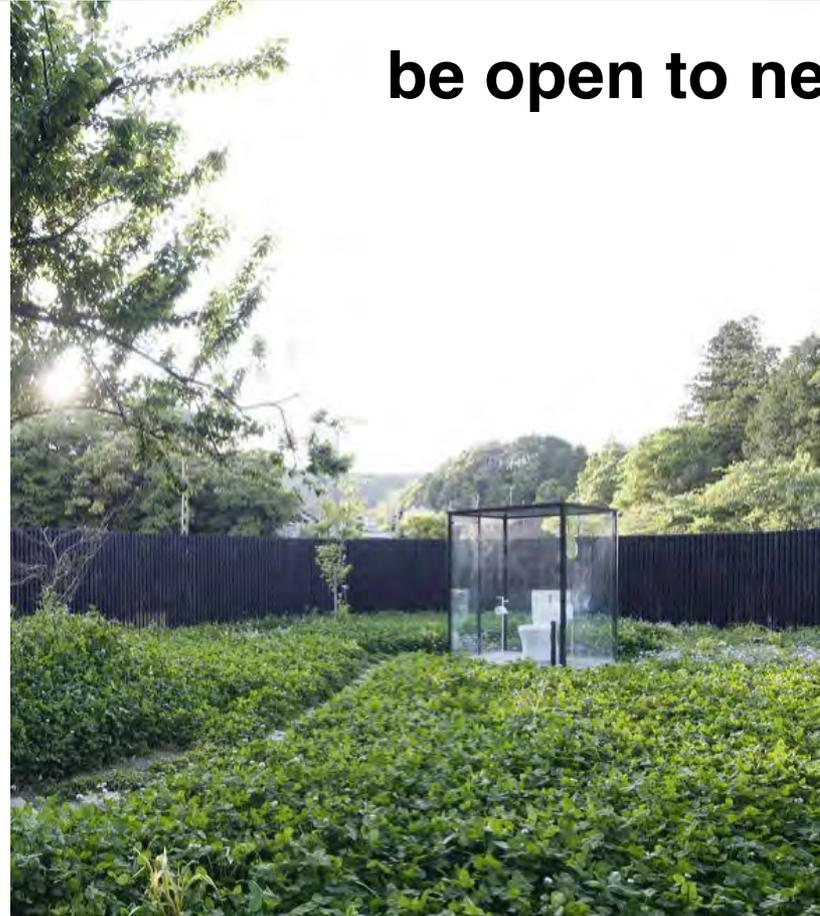
Seacoast Skill Sharing





© photo by Iwan Baan used with permission

public restroom, Ichihara Japan
design | Sou Fujimoto



be open to new ideas

inspired by **precedent**



used with permission | Mirror House / ArchDaily, accessed 24 Sep 2014
<<http://www.archdaily.com/200735/mirror-house-mlrp/>>

Mirror House Central Park, Copenhagen
design | MLRP Architects

inspired by **precedent**



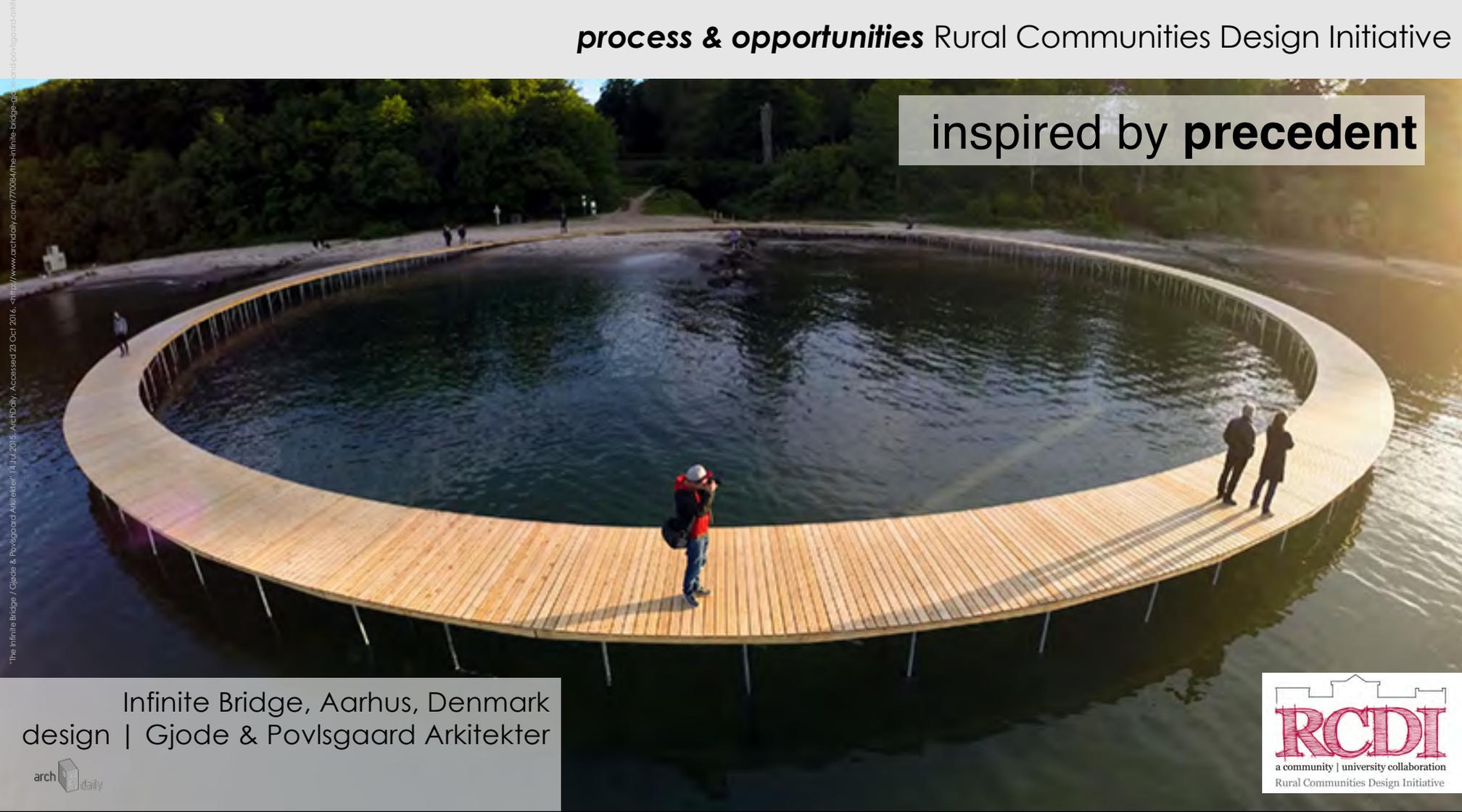
archdaily.com/165739/kilcreggan-competition-a-future-for-rural-communitie

beach trail

Kilcreggan Public Beach Scotland, Proposed
design | Gaffney Architects



inspired by **precedent**



archdaily.com/770384/the-infinite-bridge-glo...
"The Infinite Bridge" / Gloede & Povlsgaard Arkitekter, 14 Jul 2015, ArchDaily, Accessed 23 Oct 2016. <http://www.archdaily.com/770384/the-infinite-bridge-glo...>

Infinite Bridge, Aarhus, Denmark
design | Gjode & Povlsgaard Arkitekter



inspired by **precedent**

CC 2.0 David Evans Follow Red Tree - Lydham, Shropshire

Lydham, Shropshire England
design | Phillipa Lawrence

inspired by **precedent**

WAKE Franconia Sculpture Park, Minnesota
design | Michael McGillis
used with permission

What the RCDI brings to the collaboration:

Concept design for the community-based problem

Concept visuals that allows the entire community to participate and weigh in on the vision

Making connections with design practice to further the project

What we do not do:

Drawings for construction

process & opportunities Rural Communities Design Initiative



Mattawa Government Road planning workshop



Sauk-Suiattle Indian Tribe Village planning workshop

Process

Site Visit - Ground Truthing

Ethnography

Community Visioning Workshop

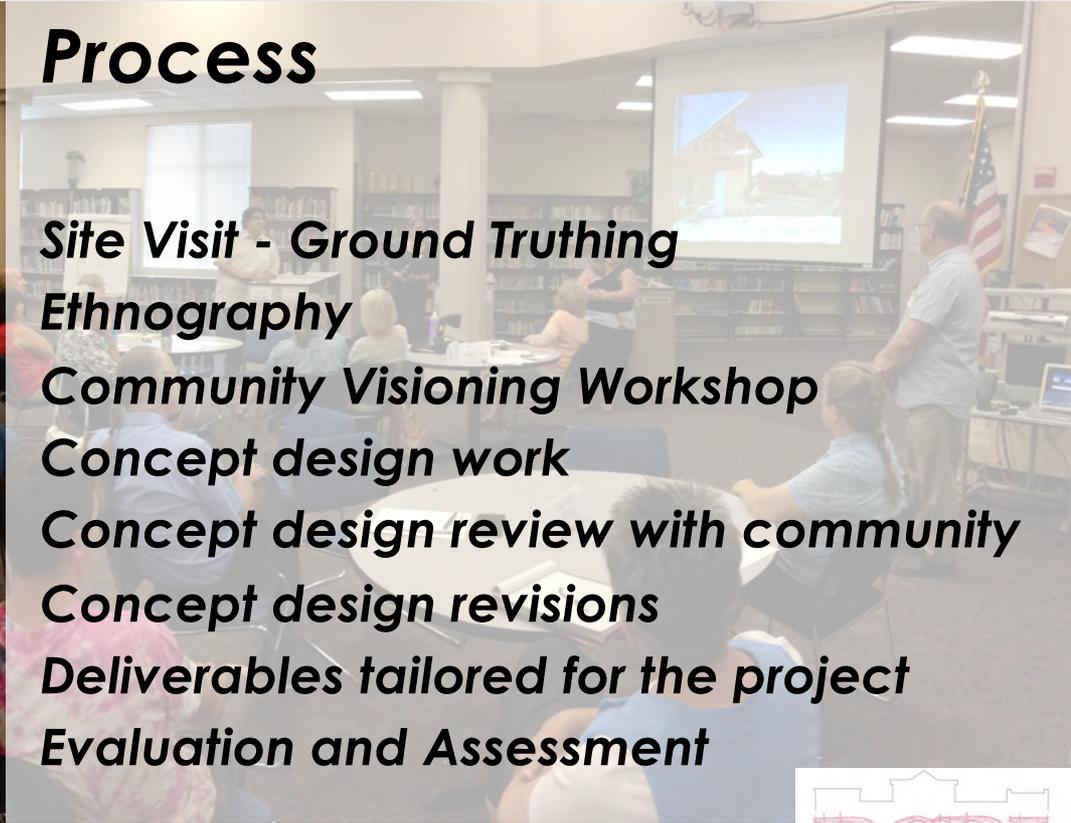
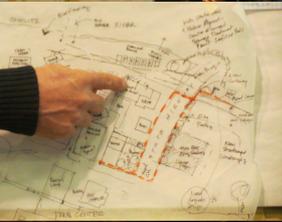
Concept design work

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Evaluation and Assessment



ground truthing

process & opportunities Rural Communities Design Initiative



Electric City ground-truthing

Objective: To provide students with sufficient knowledge of concerns for the site design. To provide a foundation for students' site inventory, site analysis, and conceptual design phases. Focus on analysis of Strengths, Weaknesses, Opportunities, Threats/Constraints.



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Design review with community



TOLEDO WA downtown streetscape concept

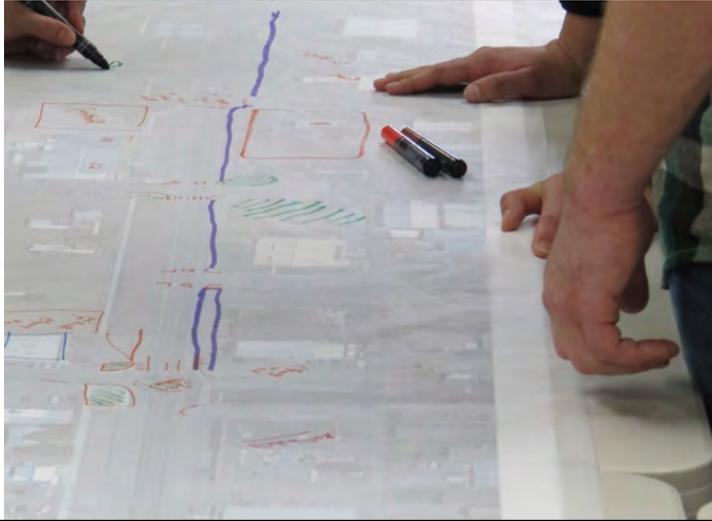


Objective: Students develop the community ideas into visual images and written documents. The community reviews the work and discusses the next steps and desired revisions. The goal is to create visual images and written documents to enable the community to move the project forward.



Deliverables tailored to the project

Mattawa WA main street character and pedestrian safety

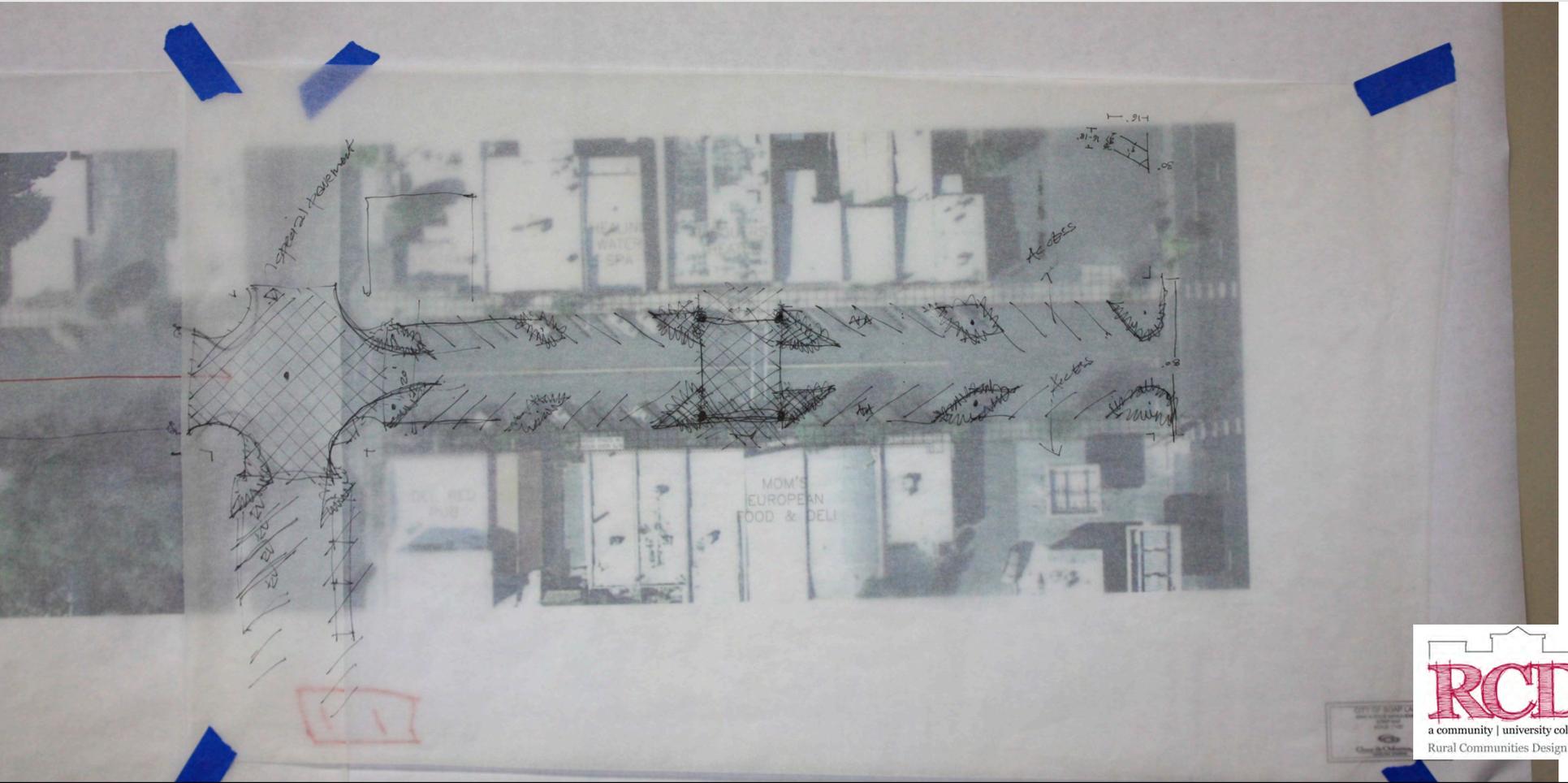




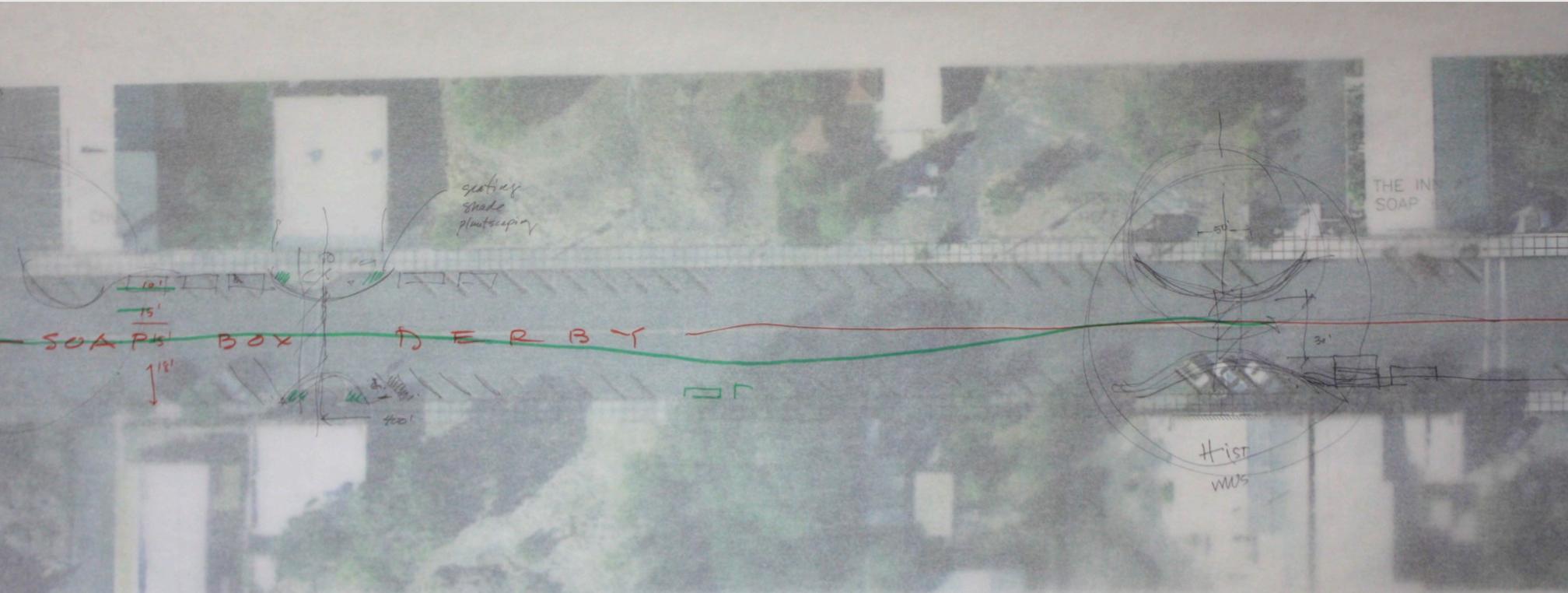
Soap Lake WA downtown streetscape concept



Soap Lake WA downtown streetscape concept



Soap Lake WA downtown streetscape concept



160'

Uniontown WA artisan barn event space concept

CONCEPT STATEMENT

CONSERVING THE AESTHETIC VIEWS OF THE BARN AND ITS WHEEL FENCE, WHILE WELCOMING VISITORS WITH INTEGRATED ART THAT DOES NOT DISTRACT FROM THE SITE, AS WELL AS ENHANCING THE HUMAN EXPERIENCE THROUGH ENGAGING THE SENSES.

UNCONVENTIONALLY BY THE GRAVEL TRAIL RESEMBLES WHEAT, CONTAINS SITTING WALLS AND OLD FARM EQUIPMENT TO BE USED AS ART. GREAT PLACE TO GENERATE IDEAS.

GATHERING AREA
LOW VEGETATION AND WIND CHIMES ARE USED AROUND THE SPACE. ORNAMENTAL TREE PROVIDES SHADE AND INTEREST. AREA COULD BE USED FOR SMALL ART EVENTS.

AMPHITHEATER
PLANTS CONFINE THE SPACE AND PROTECT AGAINST WINDS. A WHEEL MADE OUT OF COLORED BRICK IS SAVED TO THE FLOOR SURFACE FOR INTEREST. SITTING WALLS ARE USED FOR ADDITIONAL SITTING, AS WELL AS A RAISED PLANTING BED FORMING A SMALL WHEEL FENCE SERVE AS AN ART PIECE.

VIEWING AREA
PROVIDES GREAT SCENERY OF BARN AND SURROUNDING AREAS FOR PHOTOGRAPHERS AND THE GENERAL PUBLIC. GREAT PLACE TO GET INSPIRATION.

FRAGRANT GARDENS
EVERGREEN SHRUBS PROVIDE PLEASANT AROMAS WHILE WALKING THROUGH THE GRAVEL TRAIL THAT CONNECTS THE AMPHITHEATER TO THE FRONT SIDE OF THE BARN.

- CONIFEROUS TREES
 - EVERGREEN SHRUBS
 - WHEEL FENCE
 - FARM EQUIPMENT
 - DECIDUOUS TREES
 - TALL GRASS
 - WHEEL SCULPTURE
 - FARM ANIMALS
 - ORNAMENTAL TREES
 - LOW GRASS
 - WIND CHIMES
 - COW SCULPTURE
- RUSTIC ART WOOD ART

PARKING LOT
PARKING LOT IS LEFT OPEN TO MAINTAIN VIEW OF BARN. TALL GRASS IS USED TO SCREEN OFF THE VIEW OF THE PARKING LOT FROM THE HIGHWAY AND SERVE AS A FOREGROUND FOR THE BARN. GRAVEL TRAIL DIRECTS PEDESTRIAN TRAFFIC TOWARDS THE BARN AND CONTAINS RUSTIC FARM ANIMALS.

INSPIRATION



POND AREA
ORNAMENTAL TREES ARE LOCATED AROUND THE POND TO PROVIDE SHADE TO THE SITTING AREAS. AREA COULD BE USED TO HAVE A FARMERS MARKET OR ART GALLERY SHOW. PAINTED COW SCULPTURES ARE LOCATED AROUND THE SITE AS ART.

CROSS SECTION ELEVATION A-A



PERSPECTIVE VIEWS OF SITE



GOALS & OBJECTIVES

- ENHANCING VISUAL INTEREST OF THE BARN**
 - BY INCORPORATING RUSTIC AND WOOD ART THROUGHOUT THE SITE.
- CREATING NEW AREAS**
 - BY MAKING DIVERSE GATHERING SPACES FOR PEOPLE OF ALL AGES TO ENJOY.
- PROVIDING BETTER PUBLIC ACCESSIBILITY**
 - BY ADDING WALKWAYS THAT FIT THE EXISTING TOPOGRAPHY AND MAKE IT EASIER FOR EVERYONE TO GO AROUND.

BACKGROUND

THE BARN WAS BUILT IN 1935 BY FRANK WOLF FOR JACK DAHMEN AND HIS FAMILY. THE FARM WAS USED FOR DAIRY PRODUCTION UNTIL 1952 WHEN JACK'S NEPHEW STEVE DAHMEN PURCHASED THE BARN. IN 2004 STEVE DAHMEN AND HIS WIFE JINETTE DONATED THE BARN TO UCLDIA. SINCE THEN IT HAS BEEN TRANSFORMED TO AN ARTISAN BARN KNOWN AS THE DAHMEN BARN.

THE DAHMEN BARN AND ITS UNIQUE FENCE HAS BECOME A LANDMARK THAT ATTRACTS ARTISTS AND PHOTOGRAPHERS ALL OVER THE WORLD. OVER A 30 YEAR PERIOD STEVE DAHMEN AND HIS LOVE FOR ART LED HIM TO CREATE A WHEEL FENCE THAT IS MADE OUT OF MORE THAN 1000 WHEELS FROM DIFFERENT KINDS OF MACHINES. THE BARN SURROUNDED WITH HIS ARTWORK HAS APPEARED IN MANY PUBLICATIONS, BUT ONE OF THE MOST NOTABLE PUBLICATIONS HAS COME FROM NATIONAL GEOGRAPHIC.

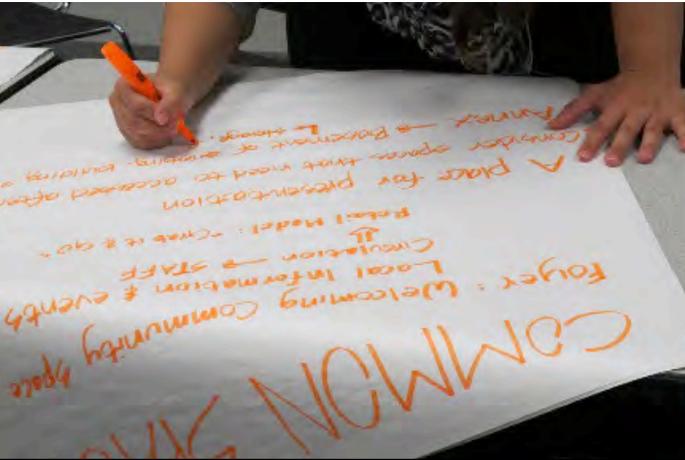
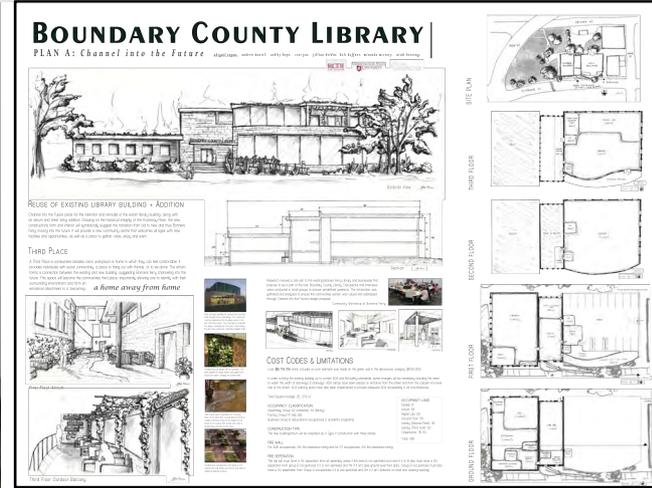
WORK PROCESS



SCALE 1" = 20'



Bonnars Ferry ID library and education concept



LaCrosse WA pop-up visitor center and ice-age flood exhibit



LaCrosse WA pop-up visitor center and ice-age flood exhibit

Evolution Junction

Ice Age Flood Visitor Center. LaCrosse, Washington

Concept Diagram



Exterior View



Rammed earth ramps provide environmentally friendly wheelchair accessibility

Interior View



The hands-on element is illuminated by solar powered lights. Tamper proof stands with iPads allow users to flip through the timeline of the foods and history of LaCrosse. The custom metal table and interactive experience is centrally located and allows wheelchair accessibility on either side.

Exterior View



Each panel of the south wall opens individually to provide natural air flow, shade, and a connection from the interior to the beautiful landscape of LaCrosse.

Design Concept

This project is inspired by the geological transformation due to the force of nature and the power of the Missoula Flood. Paired with the historic development of the city of LaCrosse and the value of unity connection within the community.

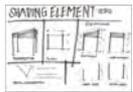


Wow Factor and Interactive Experience:

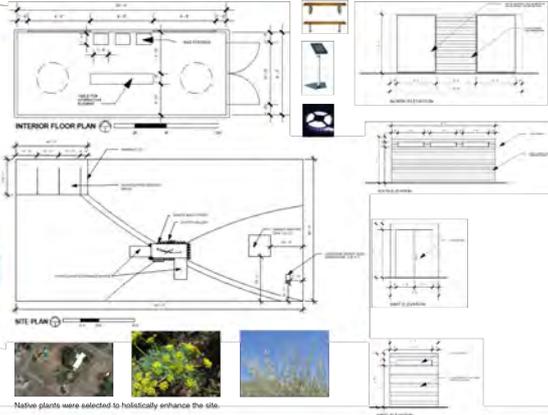
The interactive experience simulates the movement of the Missoula Flood across the Pacific Northwest to the Pacific Ocean with water. Users will use a foot pump to force water into the aquarium over native basalt rocks just as the flood moved across the United States.



Exhibit and Visitor Center Sign:
The LaCrosse Exhibit and Visitor Center sign is illuminated with a blue light to capture viewers' attention in the evening, connect with the project concept and draw visitors to the museum. The base is fitted with local basalt rock and contains information on both sides to educated viewers from multiple perspectives.



Seating Shading:
Custom shading structure with steel supports and weather resistant textile, provide shelter from the hot Easte in Washington sun.



Native plants were selected to holistically enhance the site.

Exterior View



SHARLA THIESEN
CHRISTINA ANDRESEN
ID 321 Fall 2015
Kathleen Ryan
Karyan@wsu.edu

| student work |
Christie Andresen
Sharla Thiesen



LaCrosse WA pop-up visitor center and ice-age flood exhibit



| student work |
Christie Andresen
Sharla Thiesen

| student work |
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LaCrosse WA pop-up visitor center and ice-age flood exhibit



| student work |
Christie Andresen
Sharla Thiesen

| student work |
Christie Andresen
Sharla Thiesen

Deliverables tailored to the project

LaCrosse WA pop-up visitor center and ice-age flood exhibit

VISITORS CENTER
REGIONAL HISTORY
INTERPRETIVE CENTER



Design Development

The graphic identity for the LaCrosse and Missoula Floods visitor center was inspired by the floods themselves and the immense impact that they had on the region. The scale and severity of the Missoula Floods modeled and shaped the topography, small farms, prairie, the soft rolling landscapes that are seen in this region and went on to the ocean over a long period of time. The graphic images were derived from the physical topography that surrounds LaCrosse. Directly pulling the lines, contour lines and developing them into graphic lines accompanied by colors

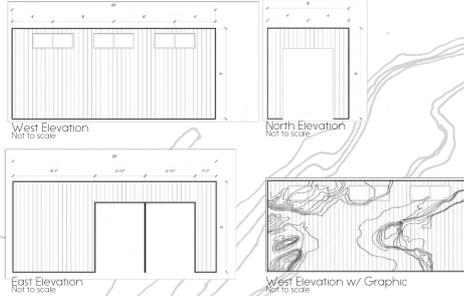


Signs & Information

To create a positive experience for visitors on site to provide a fully educational experience on the Missoula Floods, and their affect on the region and history of LaCrosse. In order to maximize the amount of history information available to the visitors there will be informational signs along the exterior pathways giving more insight on the topic, such as the towns history, indigenous plants, and its extreme seasons.



Elevations



Shading Strategies

The design implements a variety of shading strategies that are inspired by the conceptual organic and natural strategies. On the entrance side of the shipping container there is a portico that leads the visitor into the space. The portico is built over the area that it is suspended between, this encompasses half of the platform out of 2x4 wood planks, with 1 1/2" spacing between each board. This allows light area in shade during most points of the day. This shading device still allows breezes in at intervals, easing the transition from exterior to interior and providing shade to and allows a large sun umbrella of a shade contrast for the area.

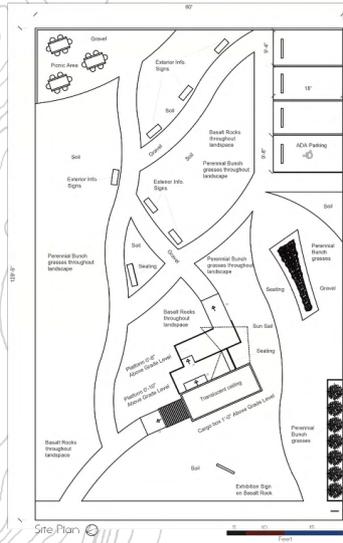


Details

A portico was designed for the North entrance of the Interpretive Center. 2x4 pieces of wood begin at 7'-10" High and increase by 2" increments to reach the height of 10'-2". All the pieces are connected by a tongue and groove joinery that will add resilience to the structure. In addition, all the pieces are placed 1 1/2" apart from each other so allow light to enter in intervals, easing the transition from exterior to interior.



Materials



| student work |
Laurel Swaney
Yuriva Bueno
Abigail Metcalf





Shading Strategies

The design implements a variety of shading strategies that are inspired by the conceptual organic and natural strategies. On the entrance side of the shipping container there is a portico that leads the visitor into the space. The portico is built out of 2x4 wood planks, with 1 ½” spacing between each board. This allows light in at intervals, easing the transition from exterior to interior and proving shade to the space below.

On the southern side of the container where the seating platforms are located there is a sun sail to provide shade. The sun sail is a stretched outdoor fabric that flows over the area that it is suspended between, this encompasses half of the platform area in shade during most points of the day. This shading device still allows breezes and doesn't create too intense of a shade contrast for the area.

| student work |
Laurel Swaney
Yuriva Bueno
Abigail Metcalf



Design Development

The graphic identity for the Lacrosse and Missoula Floods visitors center was inspired by the floods themselves and the immense impact that they had on the region. The scale and severity of the Missoula Floods molded and shaped the landscapes that are seen in this region and west to the ocean over a long period of time. The graphic images were derived from the physical topography that surrounds LaCrosse. Directly pulling the land's contour lines and developing them into graphic lines accompanied by colors

inspired by the region resulted in the bold, contrasting graphic lines that are applied to the exterior of the container itself. Throughout the site the design is done organically to mimic the topography, small berms mimic the soft rolling hills of the Palouse and the meandering paths are modeled after the topographic lines.

This concept drove the design of the site by inspiring the sunken walkways and the various levels throughout. For example, the berms and height changes of the porch and wood portico.



| student work |
Laurel Swaney
Yuriva Bueno
Abigail Metcalf

References:

Kretzmann, J. and McKnight, J. (1993). Building communities from the inside out: A path toward finding and mobilizing a community's assets. Evanston, IL: Northwestern University Center for Urban Affairs and Policy Research. Retrieved from <http://www.abcdinstitute.org/publications/basicmanual/index.html>

Wang, D., Vaux, D. and Xu, M. (2014) "Better Bowling: A "doing with" approach for design studio instruction and practice." *Journal of Interior Design*, (39)1, 33-45.

Rural Communities Design Initiative [RCDI]

a community university collaboration

The Rural Communities Design Initiative (RCDI) exists to promote economic prosperity in small, rural communities, by joining the tangible needs of small communities with the creative resources of university students and their faculty and strives to enhance the social, cultural, economic, and natural capital of unique rural places.

Acknowledging the value of the physical environment to the economic vitality and cultural identity of rural communities, Washington State University's School of Design and Construction and WSU Extension have collaborated to launch the RCDI. Through RCDI, we partner with small, rural communities to offer an innovative, cross-disciplinary approach for rebuilding and promoting a sustainable economy. The RCDI focuses on the development of the rural community by identifying, designing and implementing community-driven projects in the sectors of housing, community facilities and community and economic development.

A typical intervention process consists of a series of interviews, and collaborative work sessions between the RCDI and the community stakeholders. These can vary from a single consultation to a series of workshops that strive to determine a community's shared vision to develop conceptual designs for specific, executable projects. RCDI is funded by grants from allied organizations and the participating communities. The funds cover travel and material expenses, as well as support the community workshops.

RCDI serves as a catalyst to strengthen small rural communities and improve quality of life by **re-purposing community properties and built environment to determine and develop their potential related to community facilities and economic development**. RCDI is an action-oriented program of research focusing on the revitalization of rural, under-resourced communities. Finding new ways to restore, preserve, and revitalize such communities can entice investors, encourage the young to stay, and provide opportunity for those who have left to return.



RCDI operates through the School of Design and Construction curriculum in existing studios, and with graduate students in those programs. RCDI provides a written and visual summary of the community's vision, in preparation for the next step of engaging qualified design, planning and construction firms for bringing a community vision to reality. There is a fee for services, based on the scope of the project. Documents provided by RCDI are for conceptual purposes only. The documents and drawings are intended to facilitate discussion, not for use in construction. The documents and drawings may form the basis for work by qualified professionals.

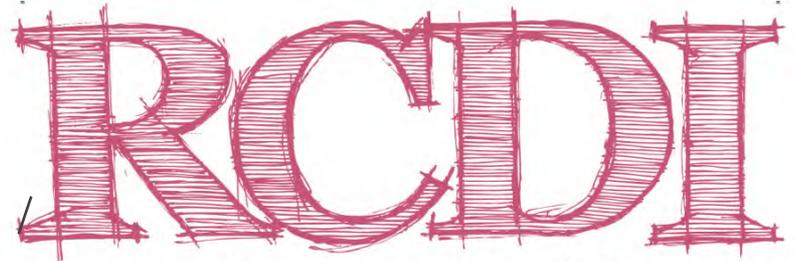
Contact us for more information: pullman.rcdi@wsu.edu or 509-335-6132
sdc.wsu.edu/school-of-design-construction/research/rural-communities-design-initiative/
facebook.com/pages/Rural-Communities-Design-Initiative/364089256939244

Kathleen Ryan, 509-335-3815, karyan@wsu.edu

Robert Krikac, 509-335-6845, rkrikac@wsu.edu

<http://rcdiwsu.wix.com/ruraldesign>

<http://sdc.wsu.edu/our-projects/research-initiatives/>



a community university collaboration

Kathleen Ryan
karyan@wsu.edu

School of Design and Construction
Washington State University
Pullman, Washington