



PORTFOLIO

SAYAKA AKAYAMA

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-  3 Sensory Based Rail Trip P.14
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-  5 Beyond the time P.18
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Sayaka AKAYAMA

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Having over 7 years of experience working with a wide variety of people, Sayaka brings to her work a passion that stems from being driven, bold, and detail oriented. Her work also reflects her proactivity when planning and executing projects. These experiences have helped season her skills to create exceptional work in landscape design. In addition to her primary work, all experiences in which she collaborated with people from other countries helped her advance her skills to communicate in different languages and interact with different cultures.

Education

- 2015-2018 ● Bachelor of Environmental Science
Nagasaki University, Nagasaki, Japan
- 2018-2019 ● Master of Environmental Science
Nagasaki University, Nagasaki, Japan
- 2019-2022 ● Master of Landscape Architecture
(Expected)
University of Oregon, Eugene, Oregon

Achievements

- Dean's Special Award
- Certification of Nagasaki Global Plus Course
- Nagasaki Global Plus Course Distinguished Achievement Award
- Article publication at Journal for Interdisciplinary Research on Community Life, Vol.10, 2019, pp.1-12
https://doi.org/10.20845/jircl.10.0_1
- Rotary Global Grant Scholarship (2019-2022)
- Nagasaki University Campus Mall Competition Second Prize (2022)
<http://shisetsu.jimu.nagasaki-u.ac.jp/competition/>

Experience

- 2015 - 2017 ● Nagasaki Landscape International Workshop
1 week workshop with graduate students in UC Berkeley
- 2016. Dec. ● KAKEHASHI Project
Government-funded Exchange Program (US and Japan)
- 2018 - 2020 ● Nagasaki Landscape International Internship
5 weeks workshop with graduate students in UC Berkeley
- 2018. Aug. ● Japanese Garden Workshop
- 2018. Aug. ● Landscape Design Charrette
- 2021. June-Sep. ● Summer Internship
Perennial Patterns Design, Eugene, OR
- 2021 - 2022 ● Japanese Language Teaching
University of Oregon, Eugene, OR

Roles

- Research and Design Role in Team Nagasaki
- Leader of 23 students from Nagasaki University and led presentations and demonstration during the visit.
- Co-designer and Researcher in Team in 2018 and 2019, and Designer and Graphic Support by Remote in 2020.
- Graphic Design Role in a team
- Worked on landscape design, installation, and maintenance projects as well as creating digital media content for landscape design education products.
- Working as a graduate employee and support Japanese classes and teach classes twice in a week.

1. Vanport Voice

Studioproject | Portland, Oregon | Winter and Spring 2021 | Remote

The town of Vanport, which was proposed originally to create housing for Kaiser's shipyard workers, was destroyed by a flood in 1948. The lack of documentation of this tragedy involving racism, necessitates telling Vanport history and the spatial narrative of the site. Oral history documented by Vanport Mosaic (NPO) inspired me to focus on soundscapes at the site. This project's purpose is to listen to both historical and ecological sounds at the site and create a space that educates visitors and provides landscape experience to pause, listen, and reflect the past and future of Vanport by applying sound typology.



Concept diagram/ Adobe Photoshop and Adobe Illustrator

Sound Typology

 Source of the Sound, Modulating the Object

 Object, Manipulating the Sound

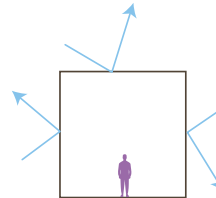
 Person, Experiencing the Sound



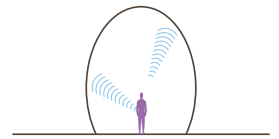
Woodland



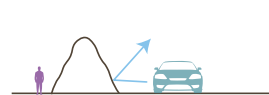
Ecological Habitat



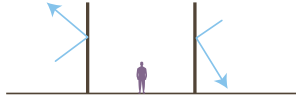
Block Outer Noise



Inside Sounds Echo



Block Car Noise



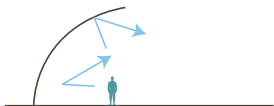
Block Outer Noise



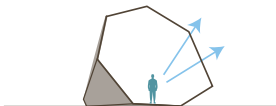
Amphitheatre



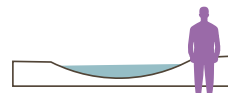
Tuning Forks



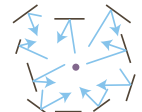
Reflection



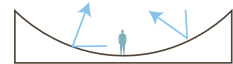
Gramophone



Water Basin



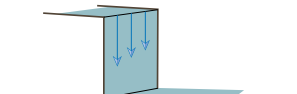
Sound Installation



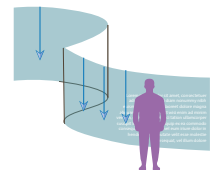
Reflection



Water Drop



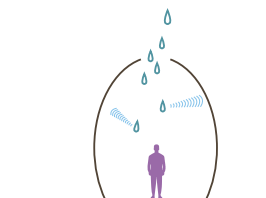
Waterfall



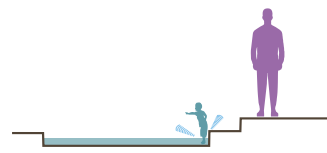
Interactive Waterfall



Ecological Sounds



Sounds of Raindrops



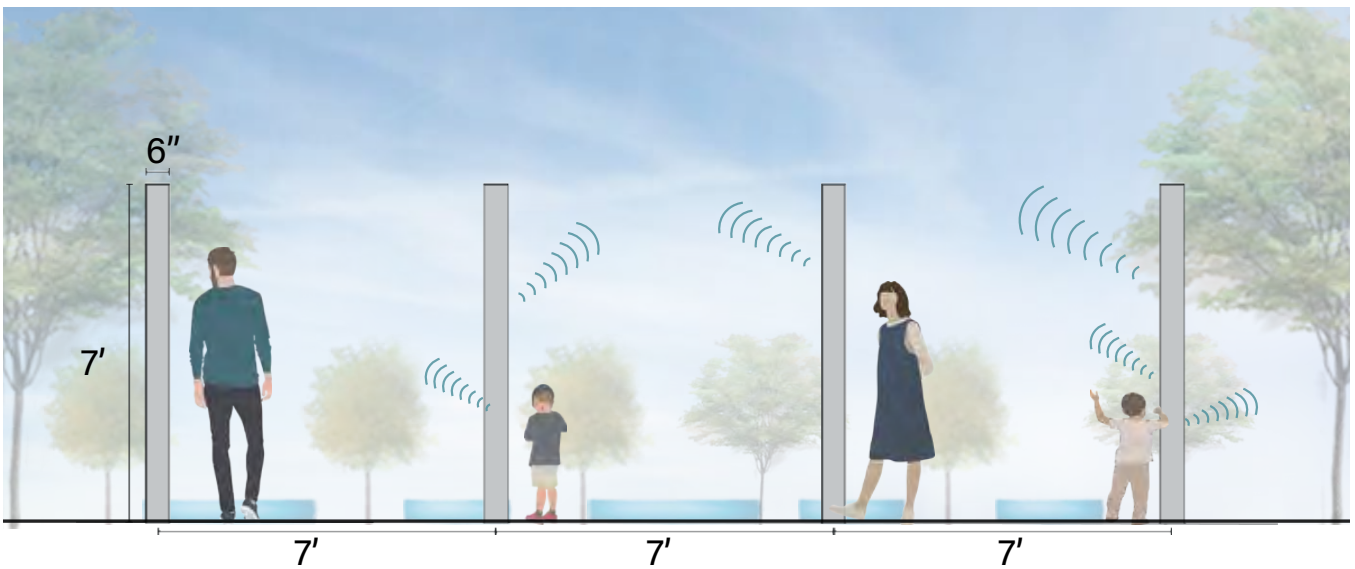
Interactive Water Experience



Step on leaves



Site Plan/ Rhinoceros, Adobe Photoshop and Adobe Illustrator



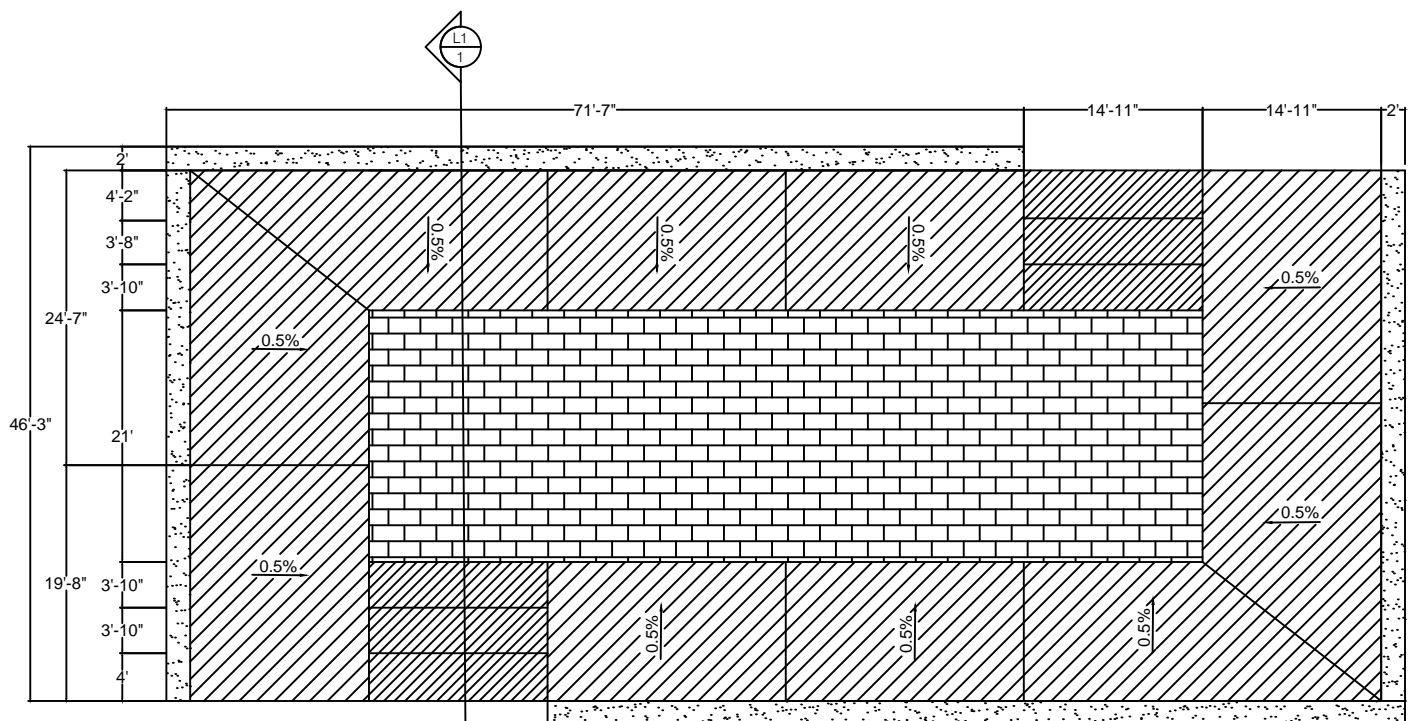
Section at the Sound Poles/ Rhinoceros, Adobe Photoshop and Adobe Illustrator



Perspective at the Sound Poles/ Rhinoceros, Adobe Photoshop and Adobe Illustrator

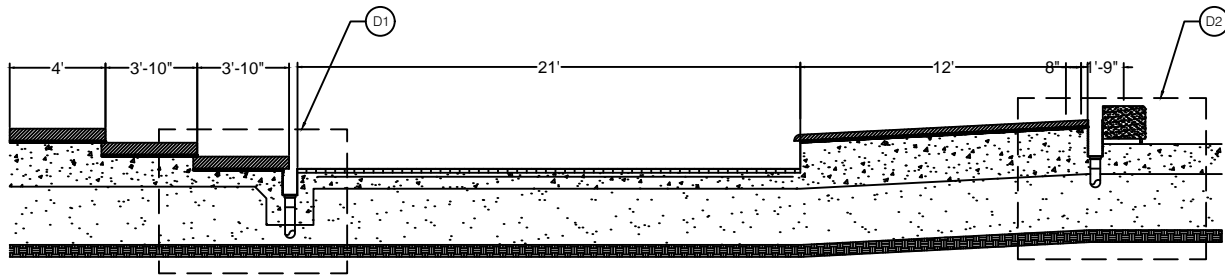


Perspective at the Water Feature/ Rhinoceros, Adobe Photoshop and Adobe Illustrator

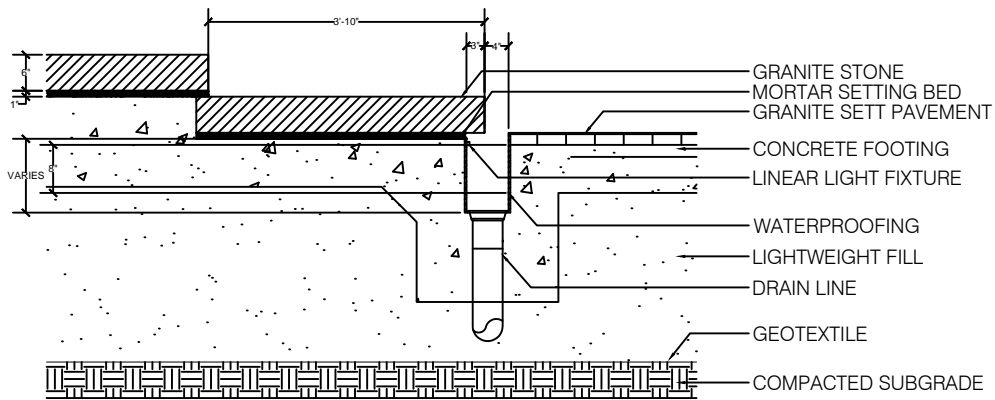


1 REFLECTING POOL PLAN
SCALE 1/16" = 1'-0"

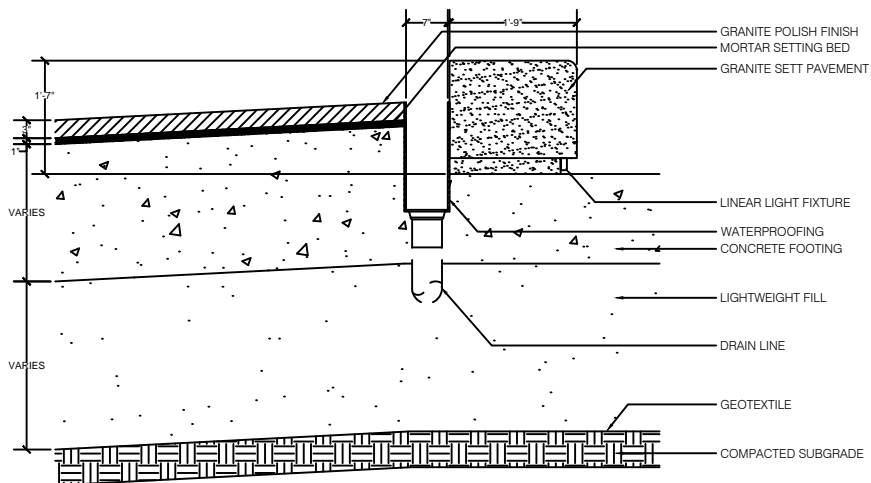
Construction documentation/ Auto CAD



1 REFLECTING POOL SECTION
SCALE 1/8"=1'-0"



D1 SECTION DETAIL
SCALE 3/8"=1'-0"

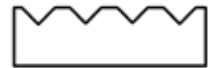
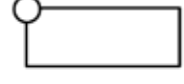
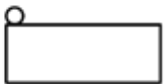
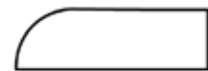
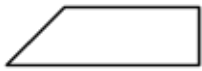


D2 SECTION DETAIL
SCALE 1/4"=1'-0"

Prototyping

Studio project | Portland, Oregon | Spring 2021

Adding to the Vanport Voice project, this studio gave time to prototype a part of the design. The prototyping models demonstrate a variety of water edge types that can be applied to the reflective pool edge.



2. Uku Historical Design

Internship project | Sasebo, Japan | Summer 2020 | Remote

This was part of the landscape internship project with students from UC Berkeley and Nagasaki University. I was in charge of developing and finalizing designs in the historic area and managing site analyses. For this, we proposed the connections of historical temples and shrines. The streetscape designs, including gates and pavements, are based on local history and help people feel the historical atmosphere when passing through the gate of the site.



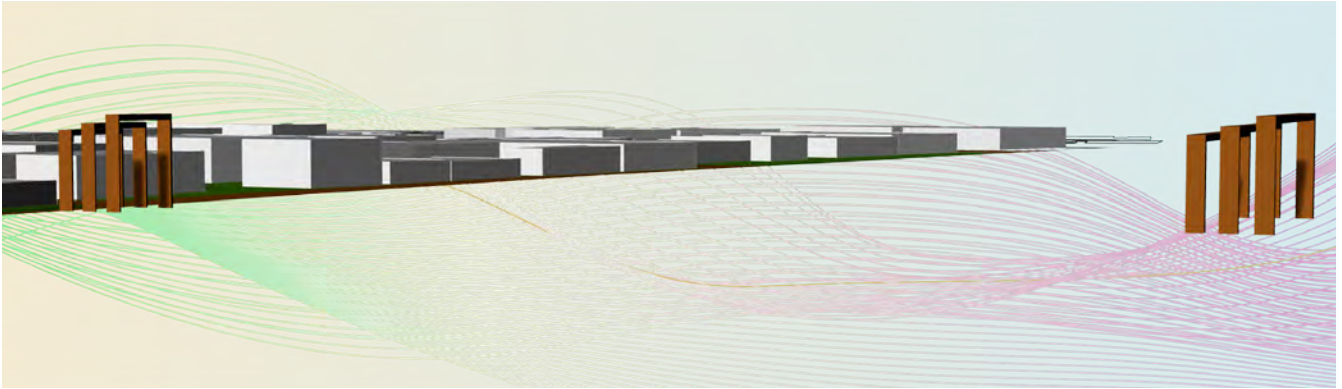
Context Map and Design Diagram/Adobe Illustrator and Photoshop



Perspective at the temple/Adobe Photoshop



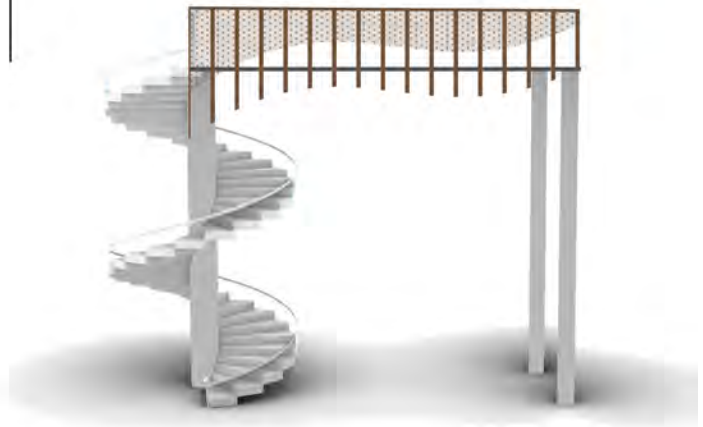
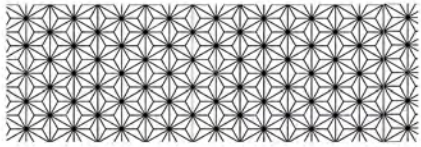
Site Plan/Adobe Illustrator and Photoshop



Concept diagram of connecting areas by gate/ SketchUp, Adobe Illustrator



Perspective at the gate/ SketchUp, Adobe Photoshop



Concept diagram of lookout gate design/ Rhinoceros and Adobe Illustrator



Perspective at the temple with new lookout gate/ Rhinoceros and Adobe Photoshop

3. Sensory Based Rail Trip

Studio project | Portland, Oregon | Fall 2022

This project was led by the question “What if we create a multi-sensory journey on the TriMet’s MAX Red line that users can enjoy and explore from both inside and around the line?”. Using Arc GIS Pro, I created current sensory-focused maps in the Portland area and analyzed features of each station on Red line. The project proposed each station design features sight, experience, or sound.



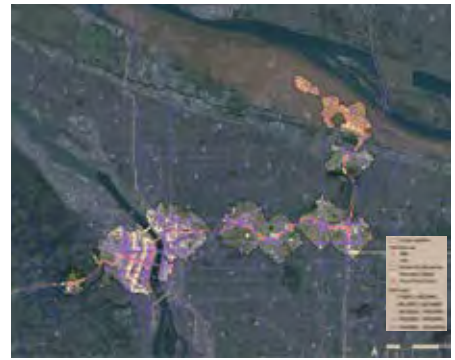
GIS layers:

- Walkshed
- Parks
- Restaurants
- Streamline
- Wind



GIS layers:

- Viewshed
- Tree Canopy
- National Historic Building



GIS layers:

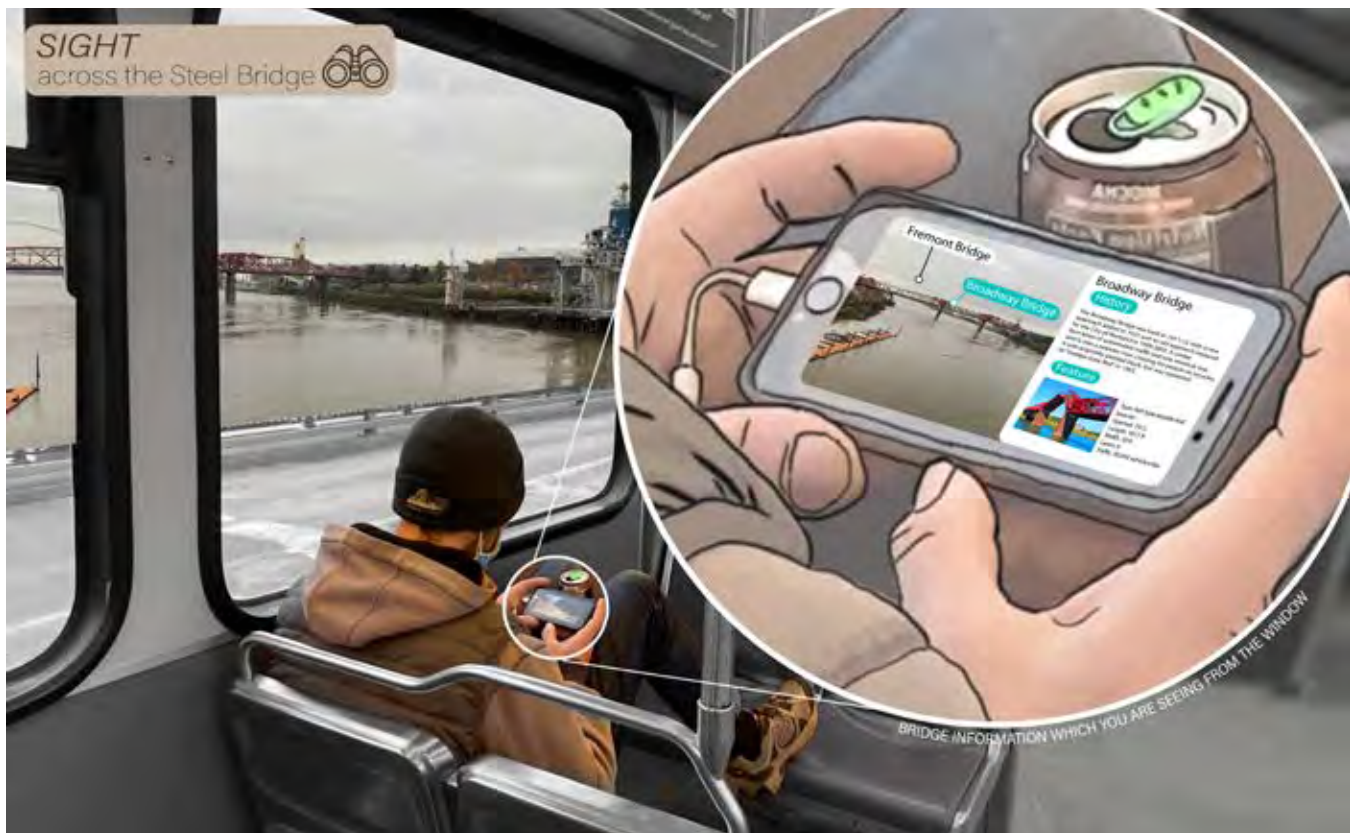
- Airport Noise Impact
- Traffic Count
- Elementary School
- Train sounds

Current Sensory Map in Portland Area/Arc GIS Pro and Adobe Illustrator



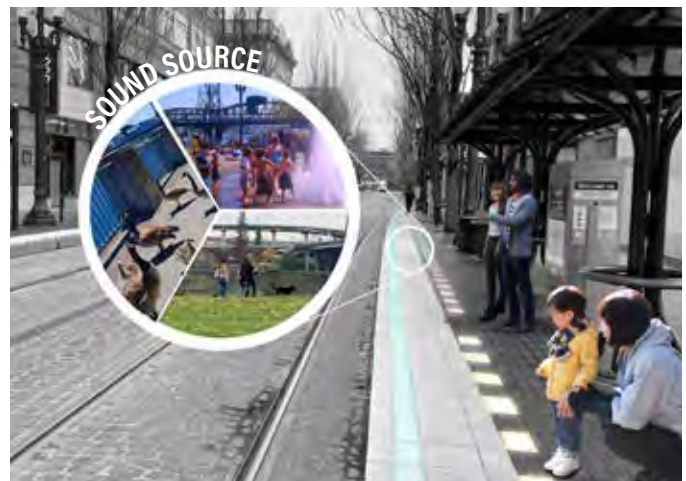
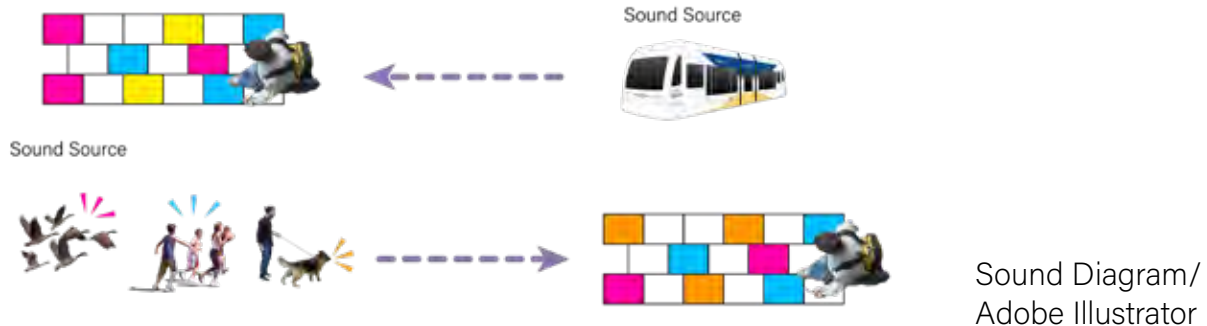
Perspective for Experience / Rhinoceros, Adobe Photoshop and Adobe Illustrator

The station provides three different levels of direction: local level, where you stand, Portland district level, and national level. They will be respectively shown in the pavement, street furniture, and projection.



Perspective for Sight /Procreate,, Adobe Photoshop and Adobe Illustrator

The Sight featured line will be a self-guided tour connecting to the application which shows the views from windows that riders are seeing with labels of historic buildings, bridges, parks, and nearby activities.



Perspective for Sound /Adobe Photoshop and Adobe Illustrator

The station will have sensor-operated embedded lightings which works with the combination with nearby parks and plazas. At the parks, lights cooperate with the sounds that you hear when the MAX line arrives, while the sensors at the station detect sounds created at the park area such as birds singing, kids' play, or dogs' bark.

4. McKenzie River Clinic Front Garden

Rotary Club project | Blue River ,Oregon | Summer-Fall 2021 | Complete Construction

The project was a Rotary service project for the McKenzie River Clinic where fire-ravaged by the Holiday Farm Fire in September 2020. I designed the exterior landscape and led 22 Rotary club members from Springfield and Bend, Oregon for the installation and planting for two days. Acknowledging the local McKenzie River existence and the fire disaster, water was a necessary element to design. With the essence of the Japanese dry sand garden, *Karesansui*, which often represents water flow, I brought the water into the site. The garden filled with many native plants will welcome all visitors with their colorful seasonal interests.



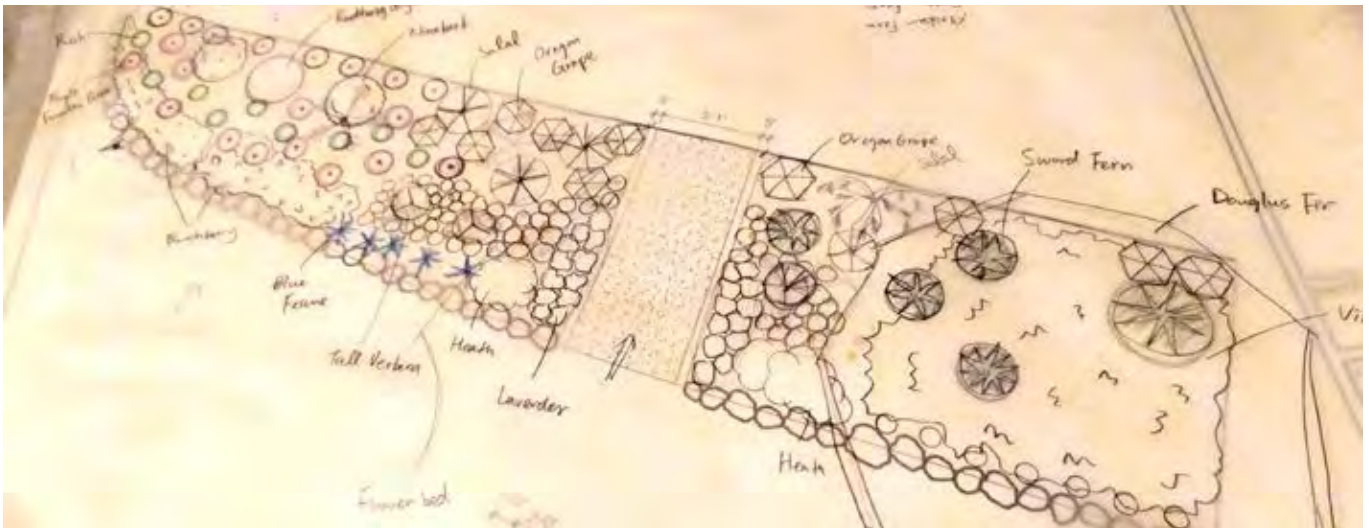
Front Left Garden/After planting, irrigation and mulching



Before: Front Left Garden



Before: Front Right Garden/At the site visit



Planting Plan/Hand drawing



Front Right Garden/Dry sand garden area, after planting and mulching



Installing gravels

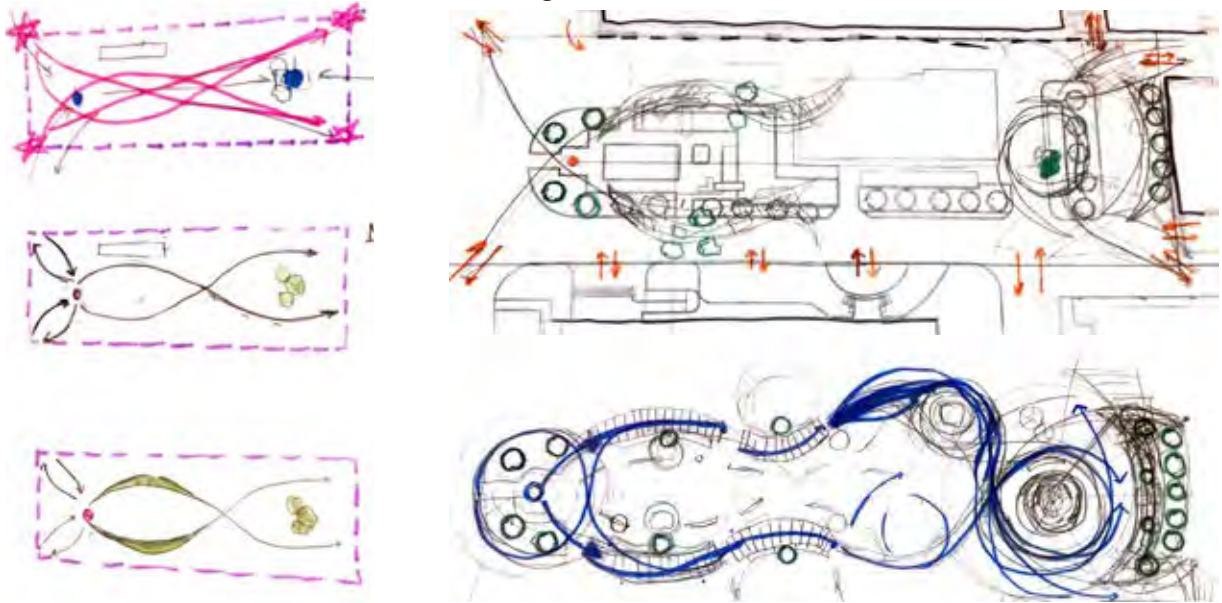


Soaking Plants before planting

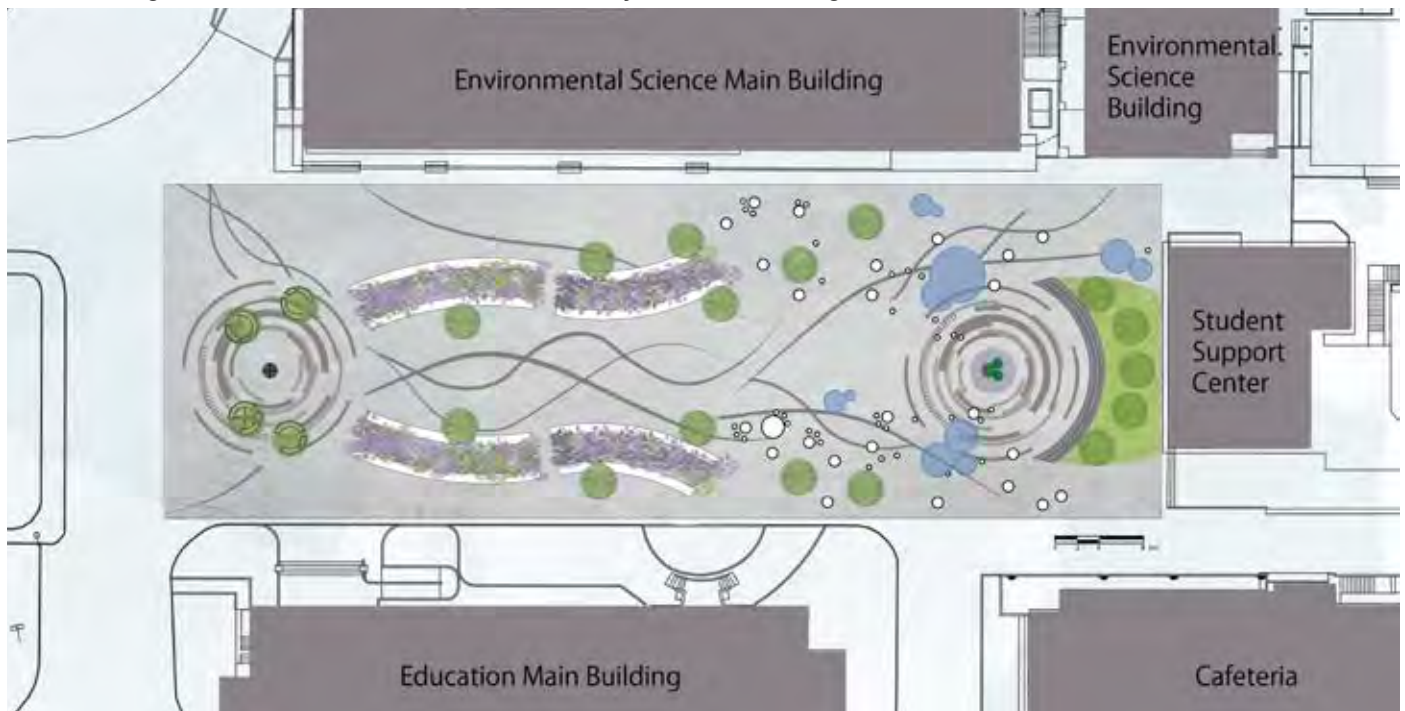
5. Beyond the time

Competition Prize Winning Work | Nagasaki, Japan | Winter 2022

Since the site, Nagasaki, is such a historically significant place, the design concept was to let people travel through the time and space at the site and reveal its historical layers. The site now has two focal points by relocating the memorial trees that survived the atomic bomb and using the existing bronze statue. The wavy-shaped tunnel leading towards the back open space with the memorial trees remains the essence of the old wisteria trellis on campus. It provides more capacity for students to stay, gather or read and leads people to the gathering space at the back where the memorial trees locate. The walk-through video is on [YouTube](https://youtu.be/pyMp-kfVa74). <https://youtu.be/pyMp-kfVa74>



Initial Design Ideas, Sketches, Movement study/Hand drawing



Site Plan/ Auto CAD, Adobe Photoshop, and Adobe Illustrator



Perspective at the memorial tree/Rhinoceros and Lumion



Perspective at the front/Rhinoceros and Lumion

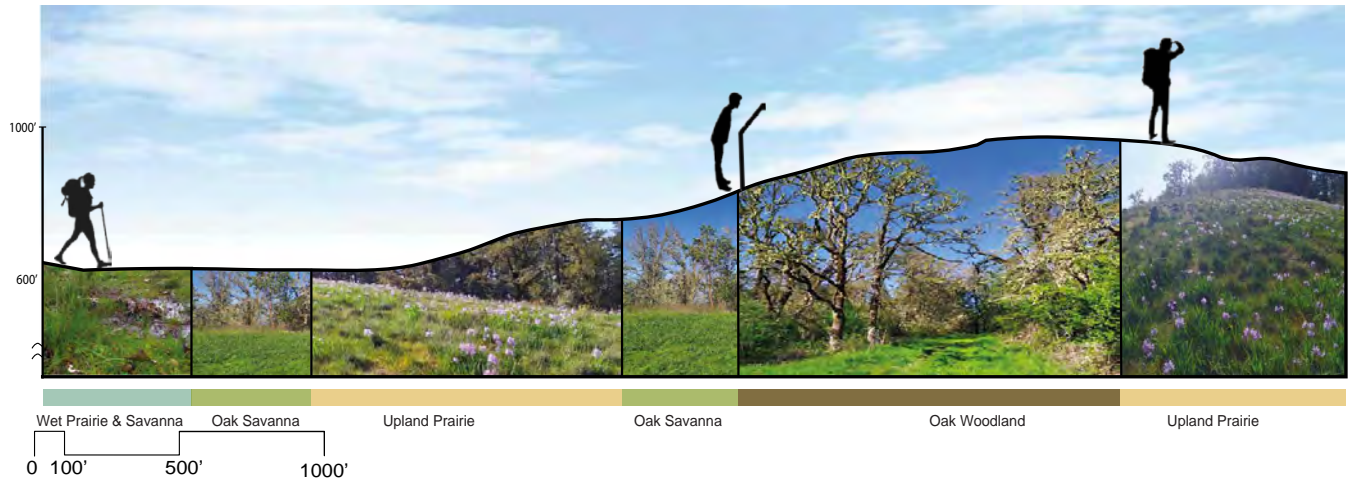


Perspective at the front/ Rhinoceros and Adobe Photoshop

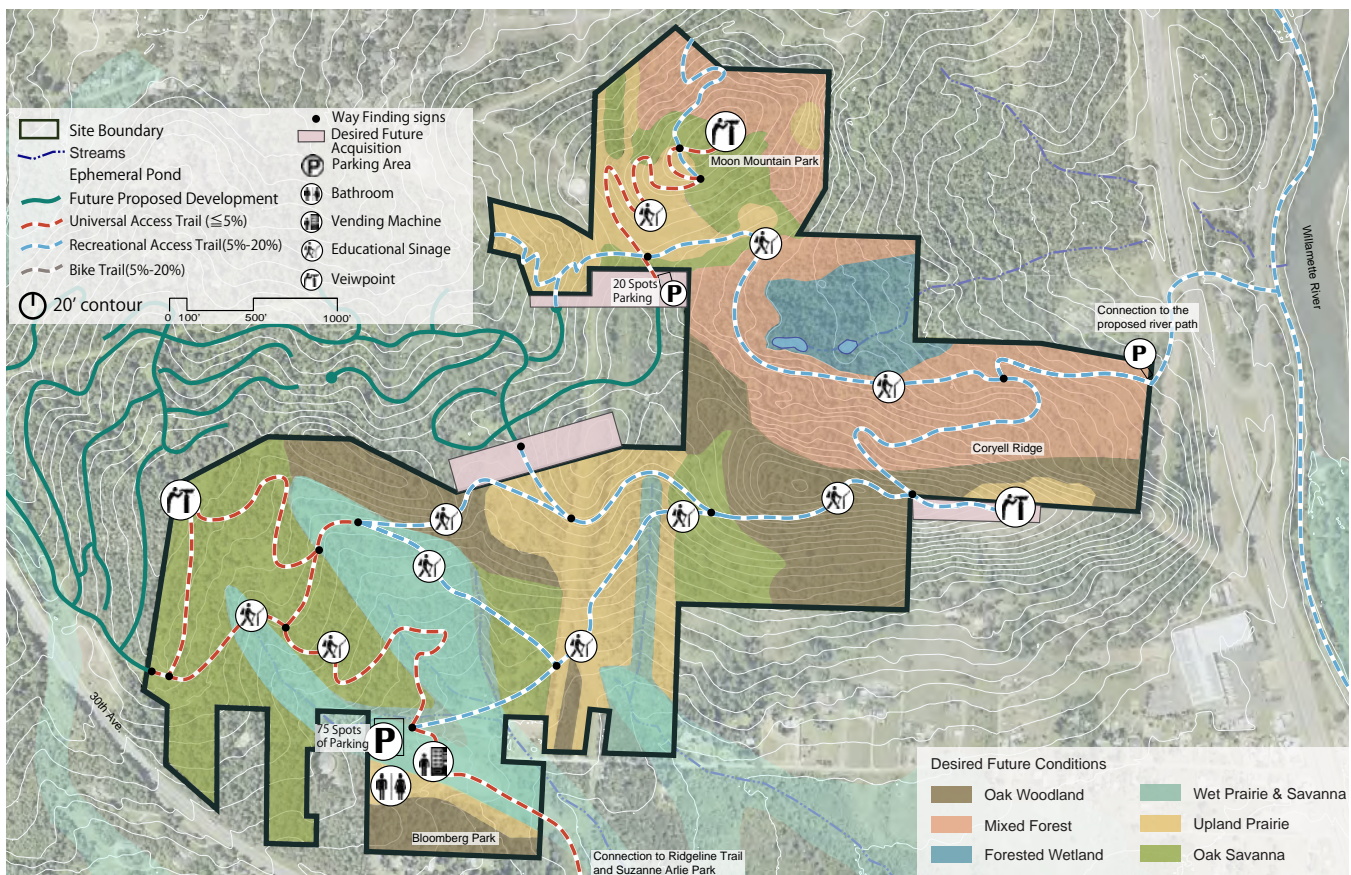
6. East Ridgeline Park Design

Studio project | Eugene, Oregon | Spring 2020 | Remote

This site was next to an Urban Growth Boundary, a line drawn on planning maps to designate where the city expects to grow over a 20-year period, which proved challenging due to the neighboring industrial growth. In this studio, the intended design was to keep the site natural, making the visitors' experiences more significant. The design was focused not only on conservation strategies but also on signage design to increase trail interaction, making it more interesting to the public.

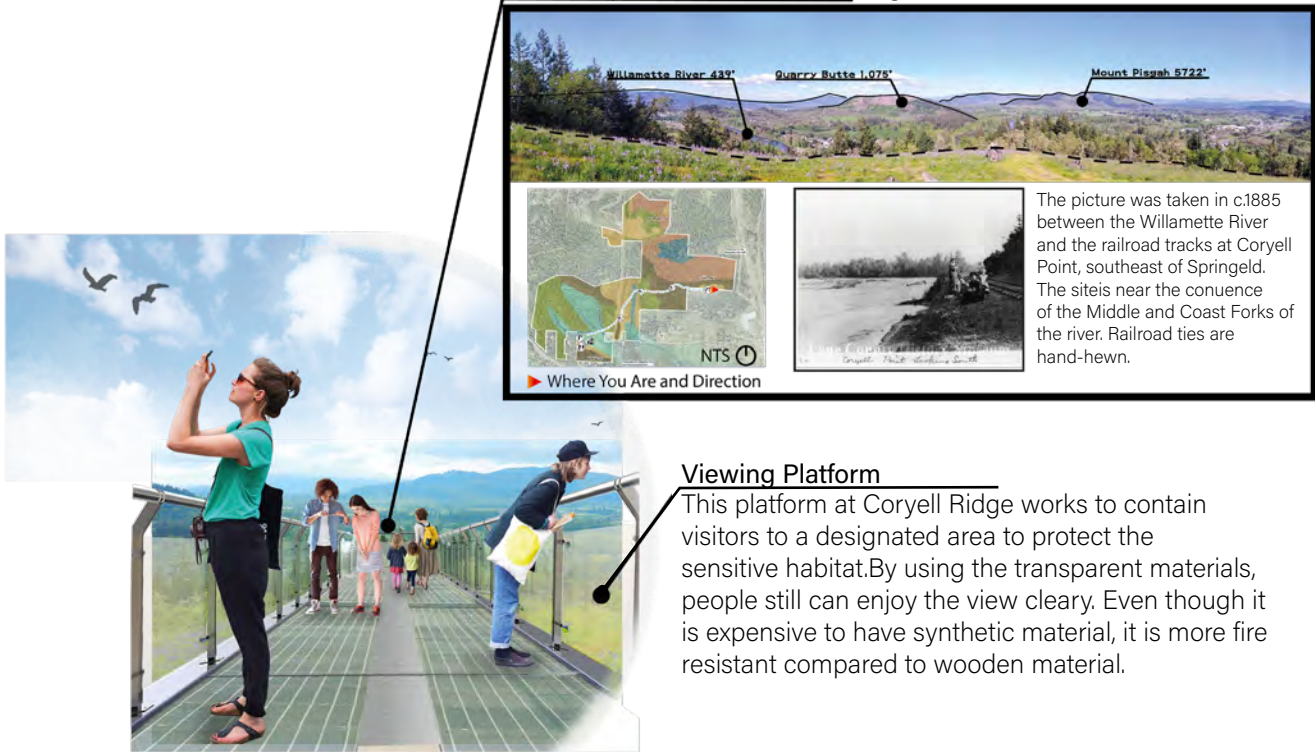


Trail Experience Section/Adobe Photoshop and Adobe Illustrator



Trail Proposal Plan/ Adobe Photoshop and Adobe Illustrator

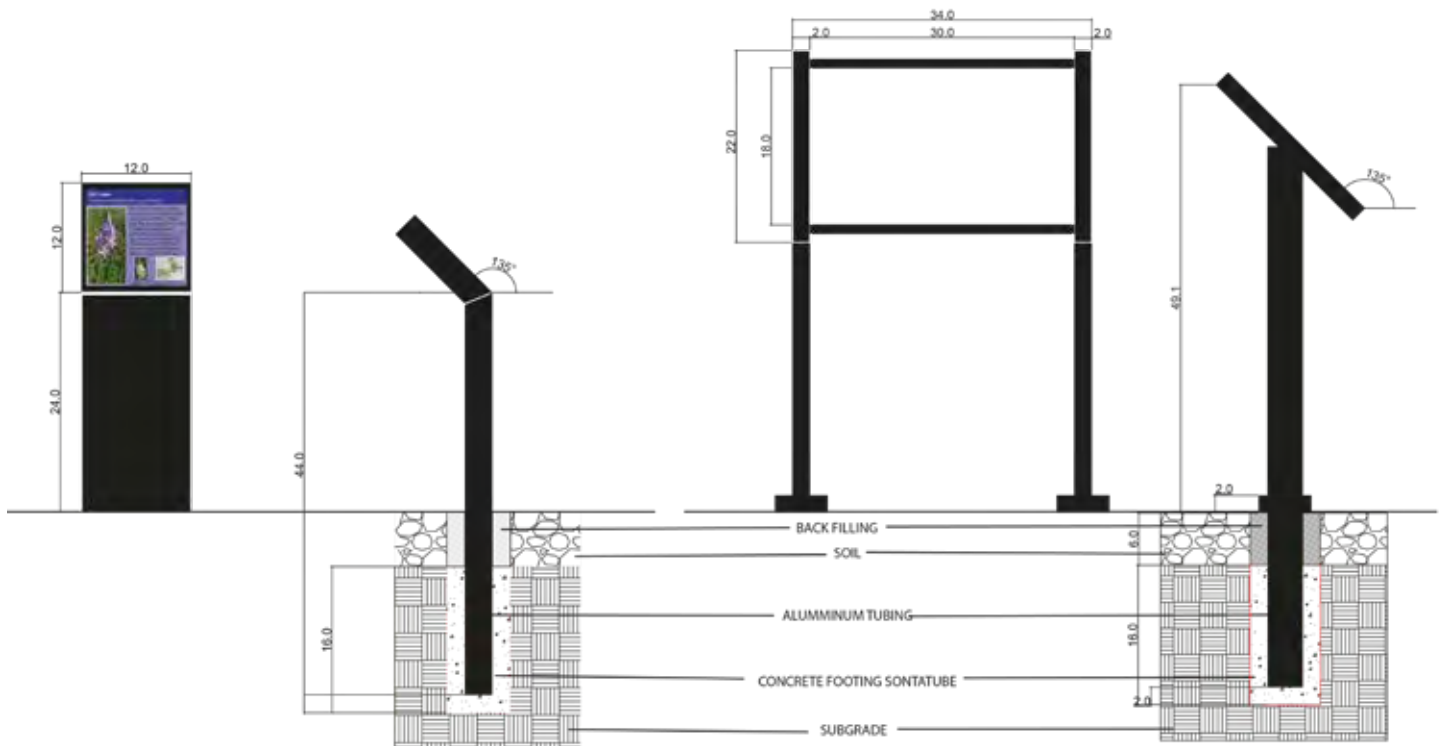
An Example of Interpretive Signage



Viewing Platform

This platform at Coryell Ridge works to contain visitors to a designated area to protect the sensitive habitat. By using the transparent materials, people still can enjoy the view clearly. Even though it is expensive to have synthetic material, it is more fire resistant compared to wooden material.

Perspective at the look out/ Adobe Photoshop and Adobe Illustrator



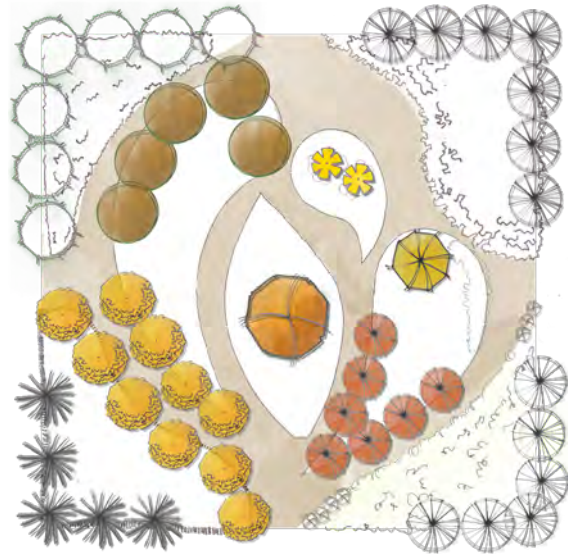
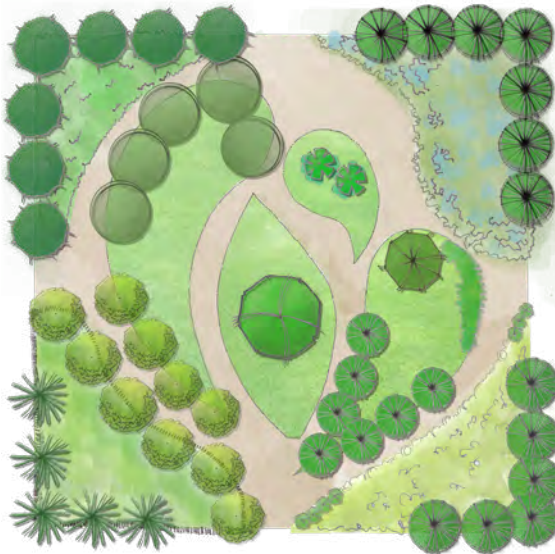
Interpretive Signage Detail/ Auto CAD and Adobe Illustrator

7. Planting Design and Models

Plants Class | Winter 2020



Model Section and Plan View/ Twigs.moss, paper, felt., and clay



Planting Plan: Summer and Autumn/Hand drawing and Adobe Photoshop



Model Section View/ Twigs.moss, felt, and clay

8. Landform Models

Studio Project | Fall 2019



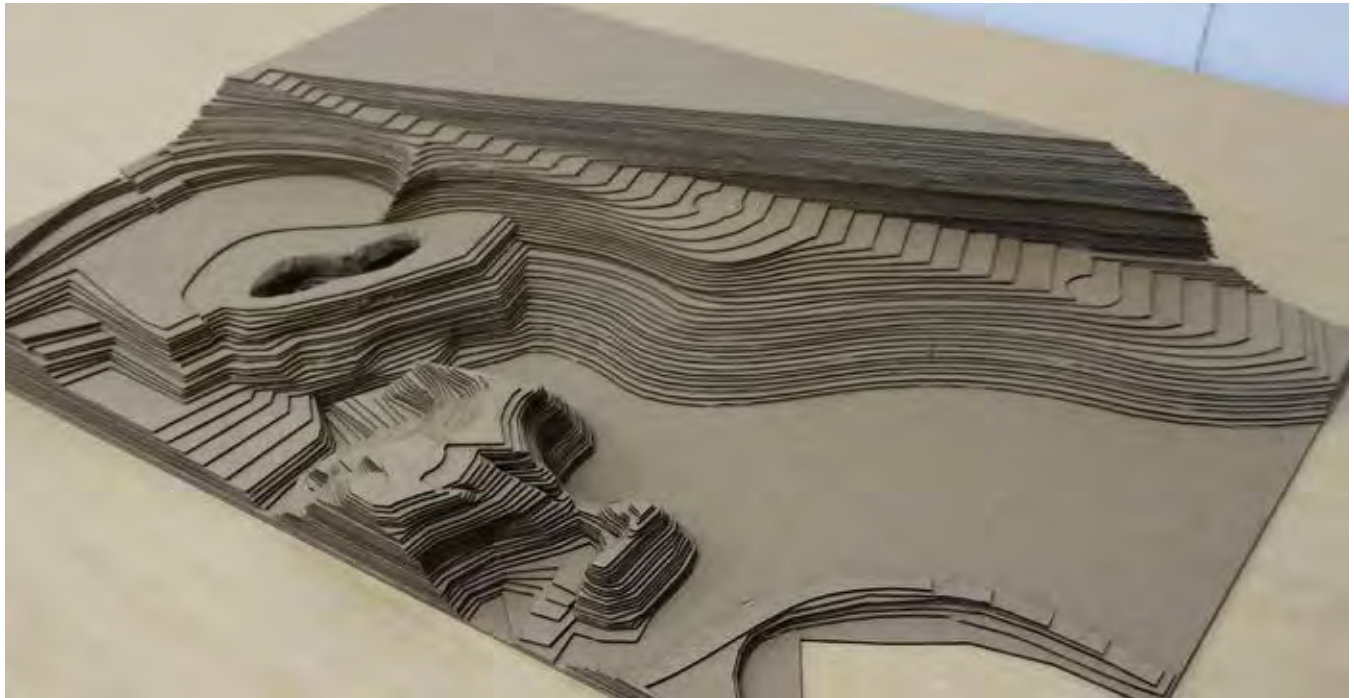
Tracing paper and water color



Wooden sticks



Origami: Paper



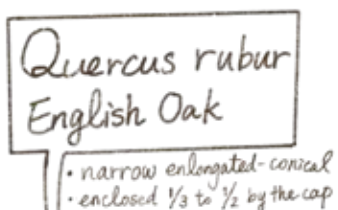
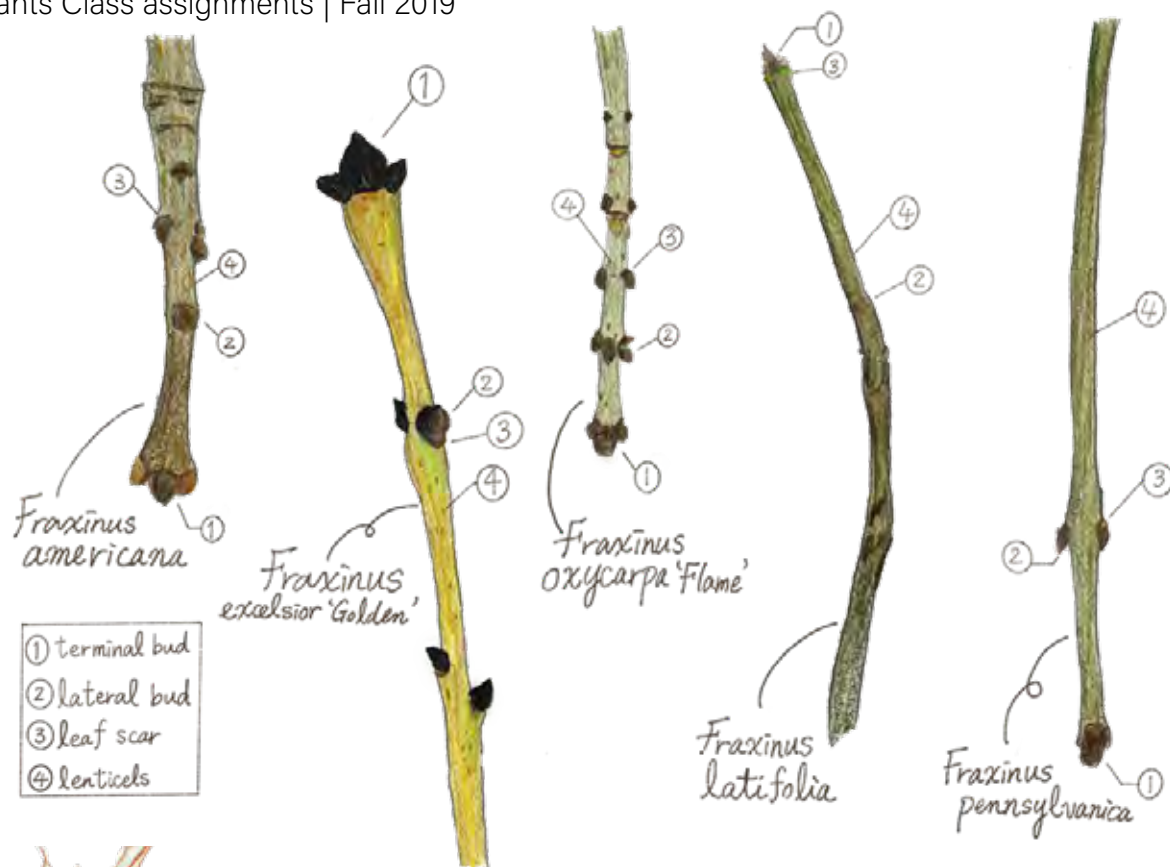
Laser cutting Model /Chipboards



Laser cutting Model /Chipboards

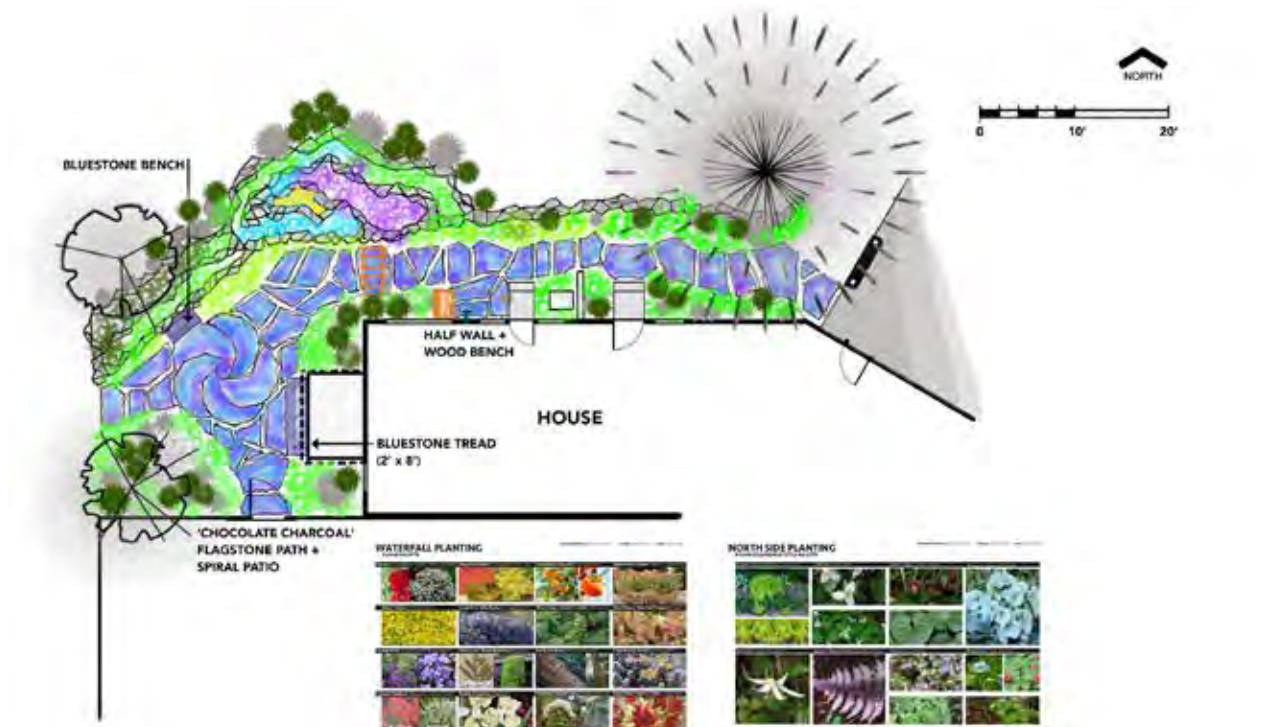
9. Hand Drawings

Plants Class assignments | Fall 2019



10. Auto CAD Draftings

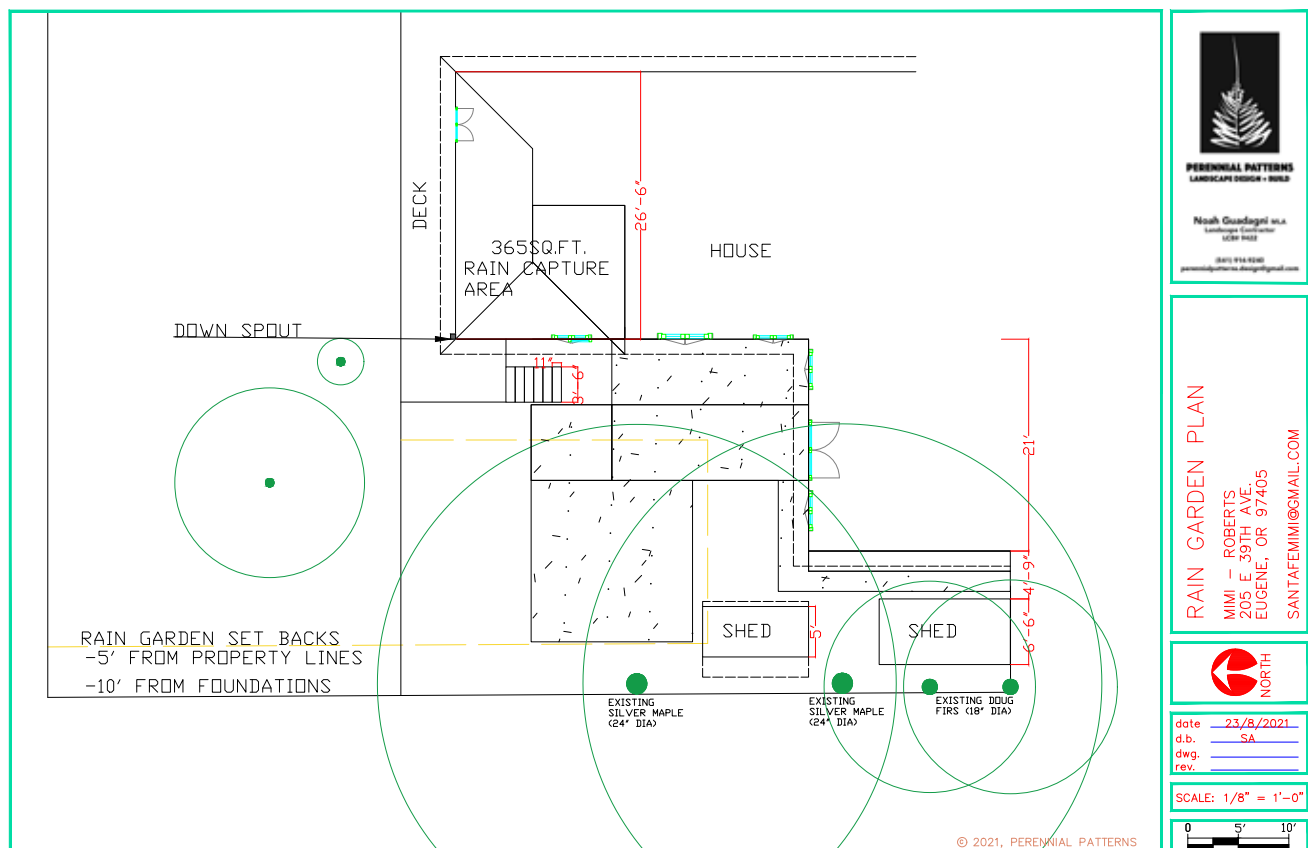
Internship works | Summer&Winter 2021



DD2 Falls Residence Landscape Plan

Perennial Patterns Design
Mar 4, 2022

Plan and Planting Palette/Auto CAD & InDesign/Base-map drafting and Design collaboration



Rain Garden Plan Base map/ Auto CAD/ Measuring at the site and drafting

11. Carving Collections

I started carving rubber stamps when I was eight years old, and used my stamps for New Year's cards every year since then. Each New Year's stamp is associated with a Chinese Zodiac or something that brings luck. Recently, I decided to expand my skillset to more complicated mediums, such as watermelon. This skillset has developed my interests in art, such as graphic design, and honed my creativity in landscape architecture.



12. The Preservation of Byodoin Temple

At the Kyoto Japanese Garden Workshop in 2018, I collaborated with the head garden manager, maintained plants of the site, and learned the art of Japanese sand garden making. At Byodoin temple, a buddhist religious site in Kyoto, Japan, I participated in cleaning and maintaining the grounds by removing weeds and debris from the gravel surrounding the pond.



Thank you for your time!
