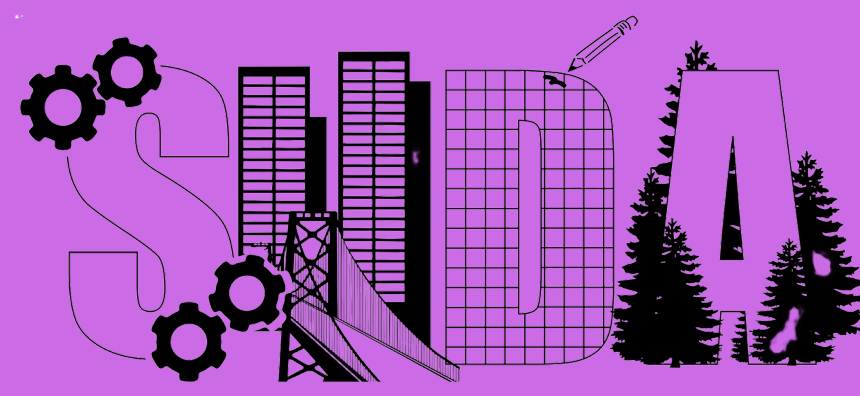


MLK SHORELINE - ANALYSIS

Pati, Robert, Brianna, Melissa



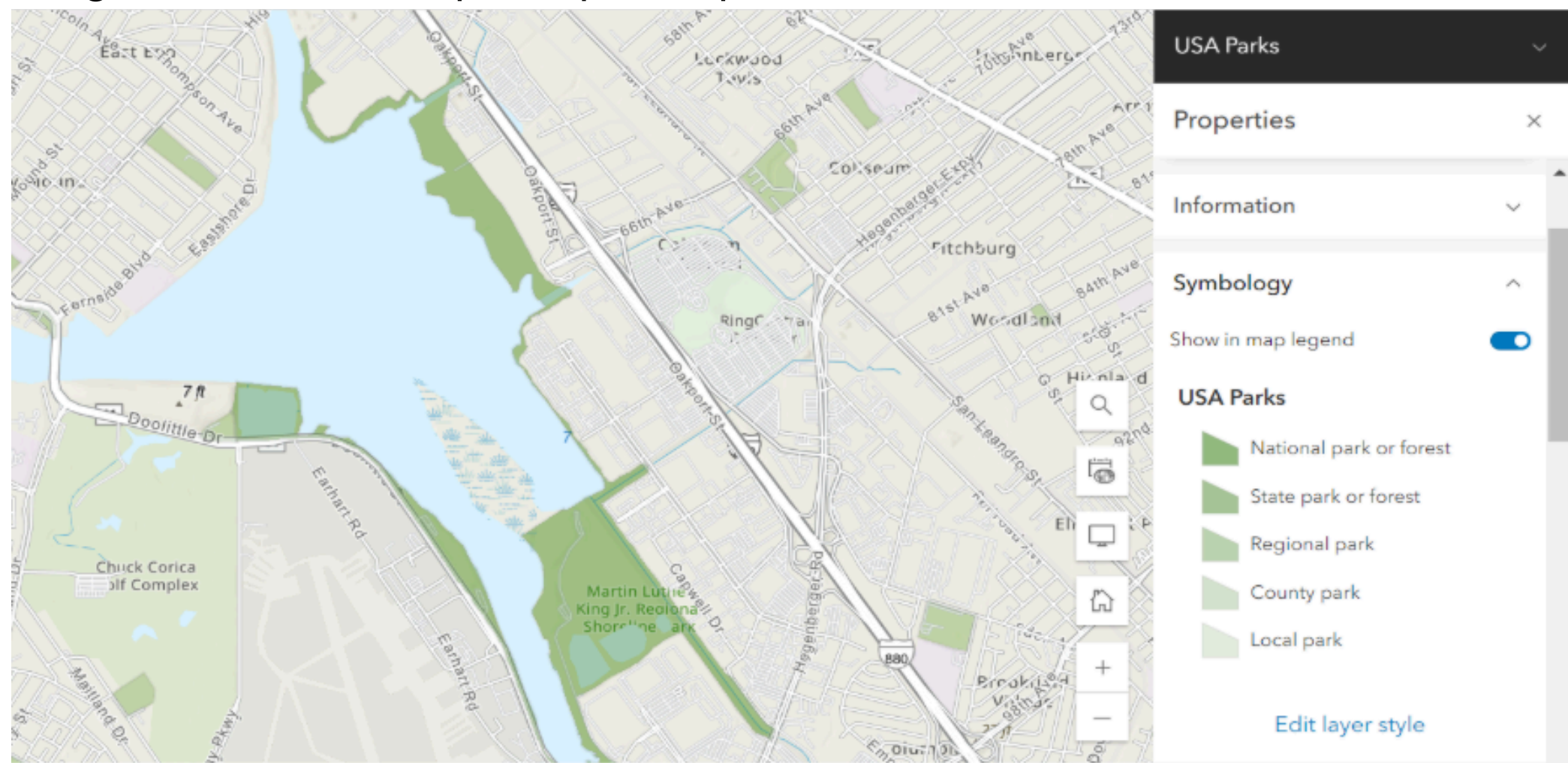
Sustainable Urban Design Academy

CASTLEMONT HIGH SCHOOL PROJECT

SITE CONTEXT

- MLK Shoreline is a regional park located on the shores of the San Leandro Bay in Oakland, California. It's part of the East Bay Regional Parks.
- The vision is to improve the lack of seating, bathroom availability, add shading to be more pleasant, and transportation availability.
- Improvement at the MLK shoreline is crucial for engagement and appearance such as upgrading lights and adding shaded areas will provide the surrounding communities a safe, inviting, and comfortable public space to enjoy.
- This neighborhood map shows the open space and park areas around MLK Shoreline park.
- MLK Shoreline park is important because it is a park with a lot of resources and is a very big space compared to other parks.

Neighborhood Map - Open Space



SITE ANALYSIS

- In order to understand our project site, we talked to our clients Ninth Root and Hood Planning Group. We also went to visit the site at MLK Shoreline and took notes, photos, and observations.
- Our two assets are biking and walking access along with open space that is inviting for anyone to enjoy for free!
- Limited shading and transportation are key factors that could stop visitors from visiting the site. That couldn't be good because it's scorching hot in the summer and there is little transportation that would lead to the abandonment of the shoreline ;(

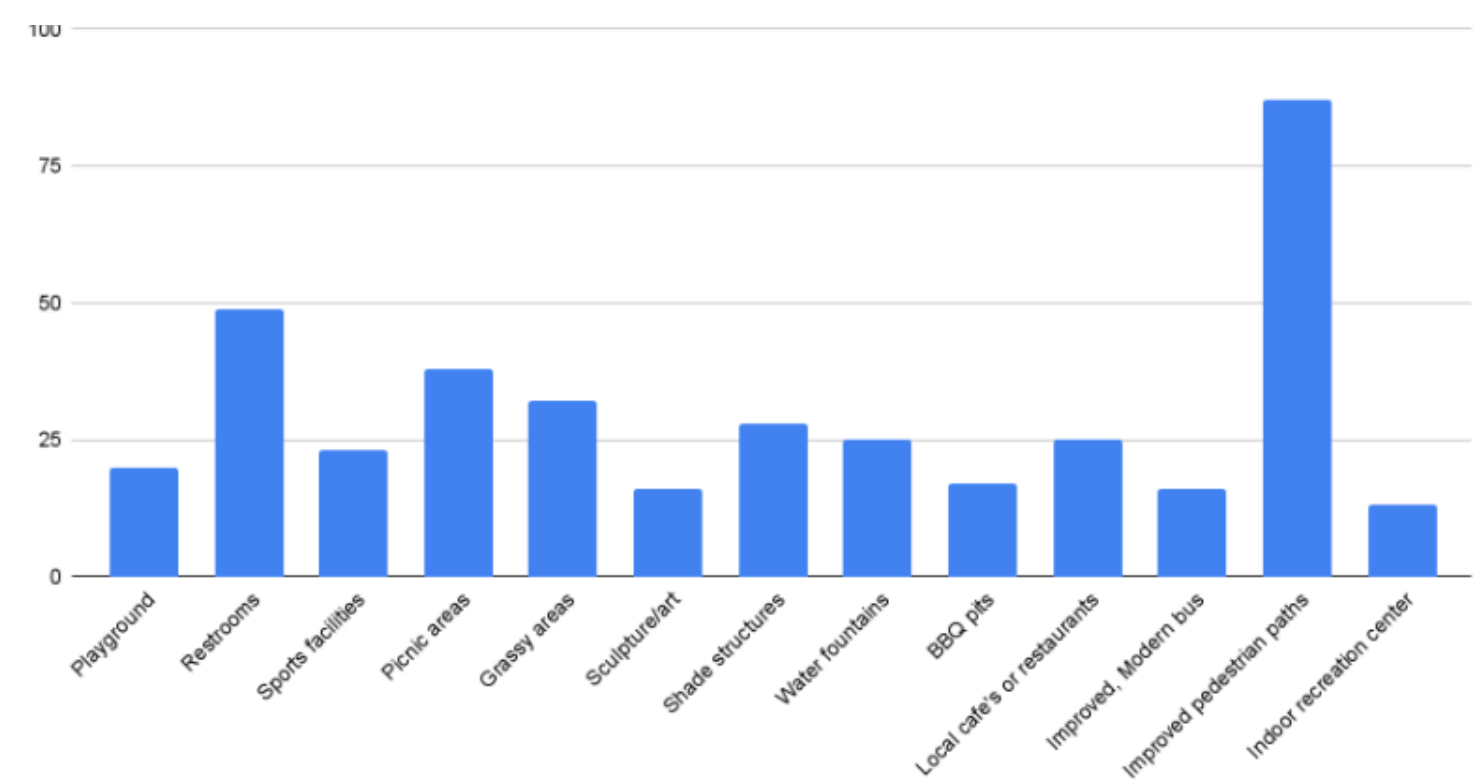


CLIENT INPUT

- Our clients are Ninth Root and Hood Planning Group.
- Key points we learned is that the MLK Shoreline can serve as a peaceful oasis for East Oakland, impacting mental health well-being and the nervous system.
- They want an outdoor space where the community can engage, boating, fishing, and walking trails.
- They believe a pop-up Cafe is a great idea for having the community engaged and visiting this space.
- This information influences our design because it gives us an insight of what can be designed based on our interview with Dane and Shy, what they thought would be a great design.

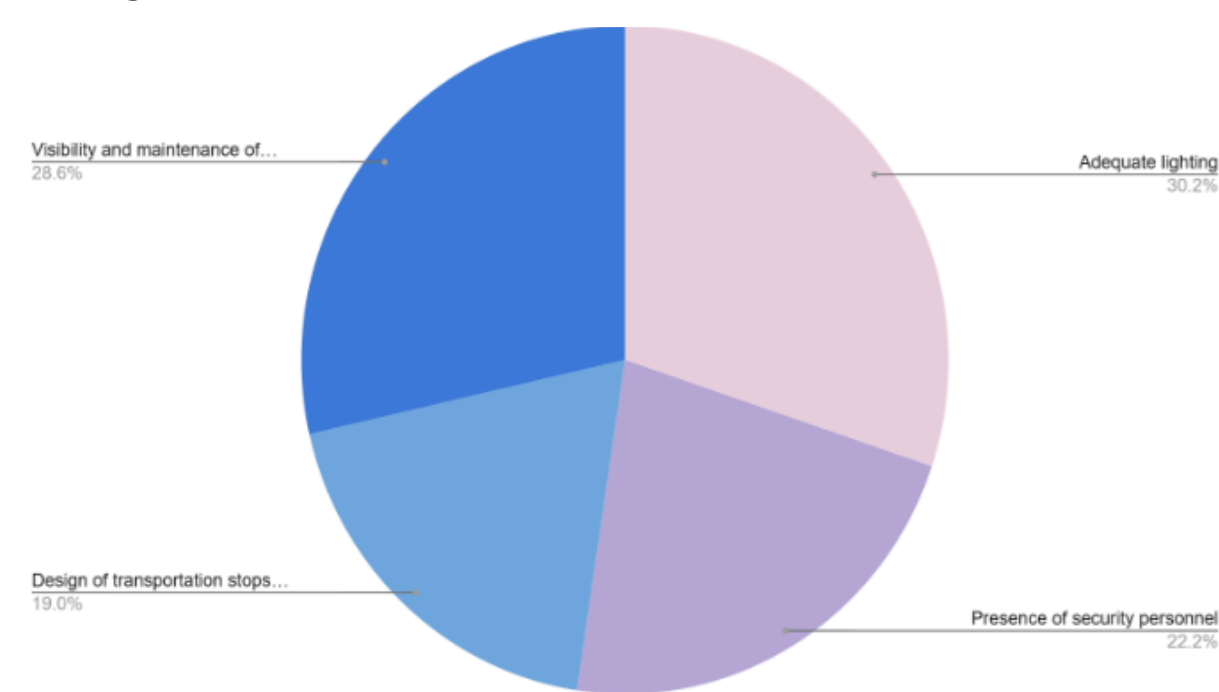
SURVEY ANALYSIS

Amenities



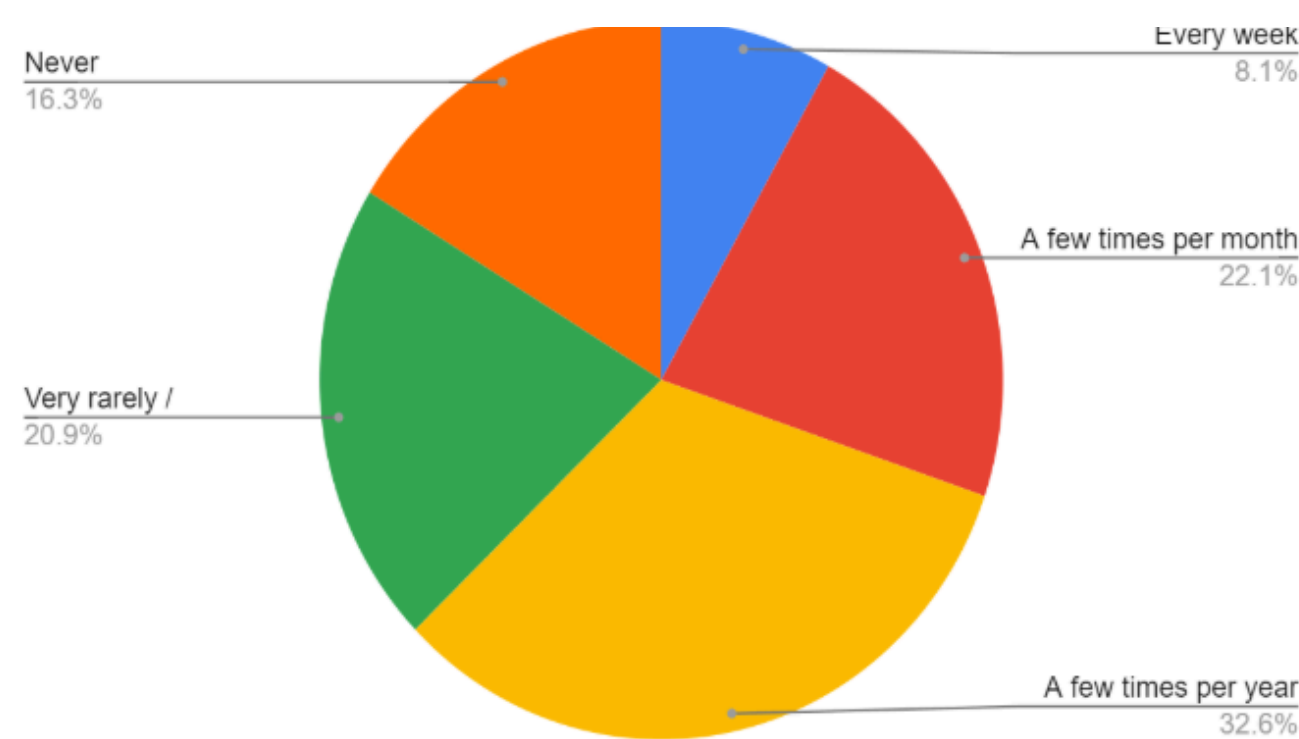
- This chart asks community members what amenities they would want to see
- Most people want bike/walking path improvements as they're the main reason people visit the Shoreline along with picnic, grassy areas, etc.
- Based on this data, we can add and improve the areas visitors want to see to better their experiences.

Safety Improvements



- The chart shows the importance of visibility and security in shoreline safety.
- This data shows what people want regarding safety on the shoreline such as lights & cameras.
- This information helps us develop targeted solutions for safety such as adding lights and redesigning the transportation infrastructure.

How often people visit



- This chart shows the shoreline visitation frequency, with 32.6% of visitors going a few times a year.
- This means the MLK Shoreline has low visitation, with most visits occurring only a few times a year.
- This information is crucial because it reveals the visitation pattern, highlighting the need to attract more people to the site.

PRELIMINARY IDEAS

Our five preliminary design interventions were:

Shaded Seating
Restroom Facility
Improved Lighting
Bus Stop
Water Fountains

These existing assets need improvement to maximize visitor comfort, as they are not to their full potential that could improve the Shoreline's engagement.

Walking Clubs and Mystery Theme Cycle.

We strongly feel that people would join these groups because they're engaging & good for health exercise that could possibly highlight the site's open space availability.

- Our two site activation ideas are pop up cafe and the food pop up event
- We chose these ideas because we thought it would be a good way to get the community together and talk about issues in the community
- Some adjustments we've made are we have spread things out more to make it look nicer and not as cluttered



2D PLAN VIEW DESIGN



DESIGN EXPLANATION

- Our design process was we first worked on the bubble diagram on paper with our group, and we worked with clients to make it look a little better and then we each chose a role and create our individual designs based on the final bubble diagram.
- The final 8 design interventions we included is pop up food area, art area, playground, seating area, outlook area, planting bed, Orchard, flower bed, medicinal garden and water fountains
- We included them with the community in mind. These design interventions were based on community surveys and client brainstorms answers
- We put the bus stop on Oakport because thats where all the streets connect. We put the playground in the open area because it makes sense to give the kids a big open area to play. We added the art area because we thought itd be a good reason for people and community to gather. We added the outlook area near the Revitalize Area because its a really nice view and itd be a good attraction
- Our design addresses the needs of our clients because they said they want a bus stop for people to added the area and we added that with them in mind we did the same with water fountains.
- It addresses the needs of the community by giving Oakland an attraction and somewhere the community can come and be social.

2D PERSPECTIVE

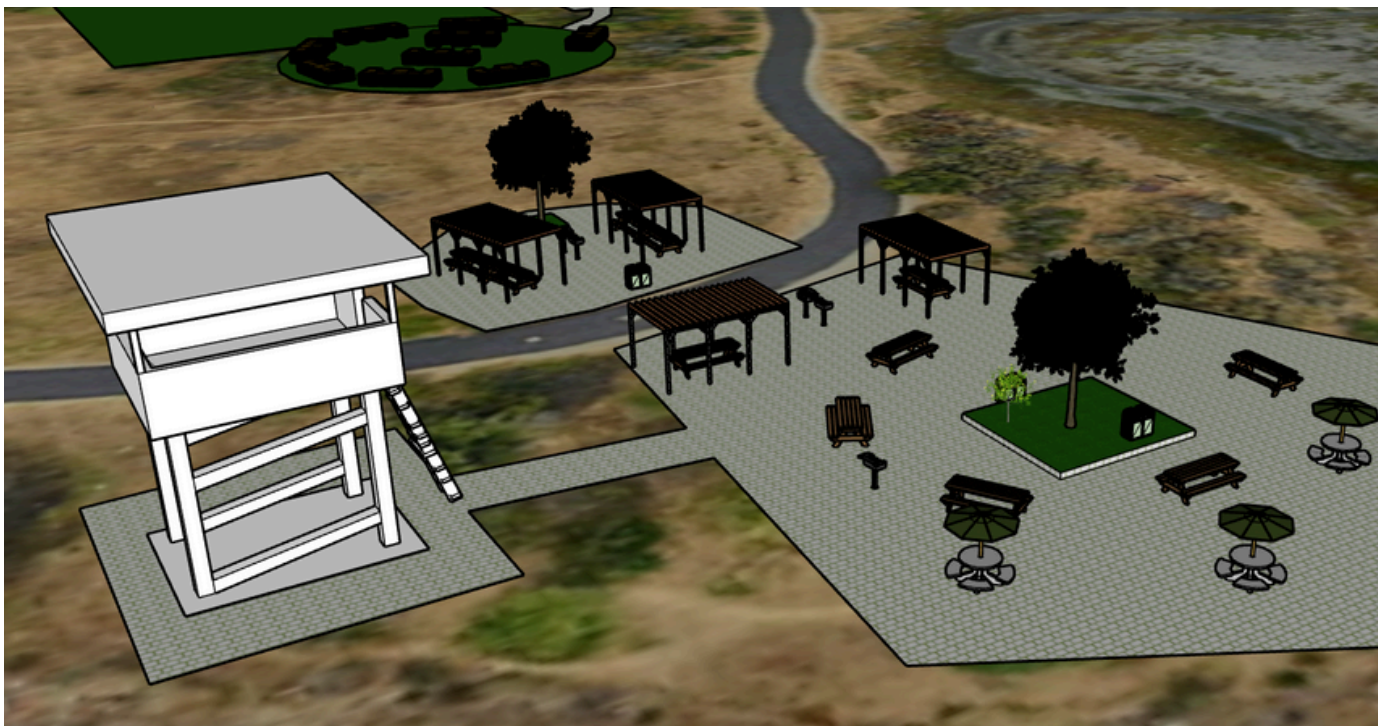


- Our previous photo of this current space is showing a very dry and boring awkward space. It also has limited seating and shade
- Our after photo of this space shows a clear vision of what this space can have such as picnic tables, tents with shades, flowers, green grass, and paving.
- Design features improve park spaces by enhancing safety, accessibility, functionality, and aesthetics, ultimately creating more welcoming and versatile environments for all users to enjoy.

3D DIGITAL MODEL



- This is the area we worked on and all our ideas we had for MLK Shoreline.
- Today, this area is bland, boring with nothing to it but the beautiful nature. But with our design improvements, there will be much more to attract people.

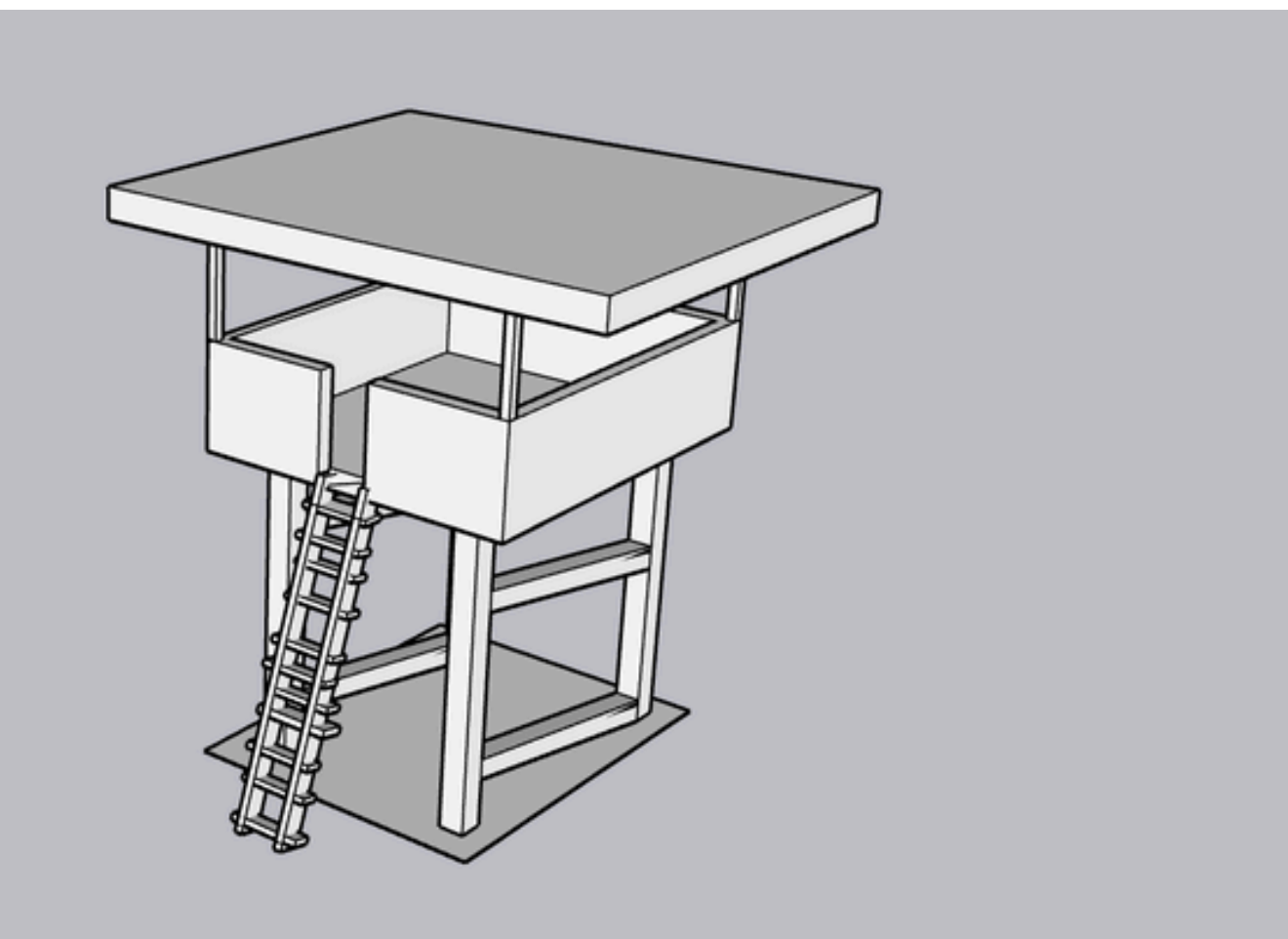


- This area is the “Revitalize Area”. In this area we have a observation tower to look over the water to enjoy the view and more seating.
- This would encourage people to come to the site and enjoy the fresh air and overall enjoy the nature



- This area shows the “Gather area” . In this area we have a pop up area, seating area and Oakland verison of the Chicago bean. We put in a giant strawberry because it would most definitely have people visit and altogether bring people together.
- This Area would bring the community together and it would have a reason for people to visit the place more often.

3D PROTOTYPE - OBSERVATION TOWER



- The chosen MLk shoreline signature element is an Observation Tower.
- We choose this distinctive signature element because It would offer something unique, giving visitors a view into the shoreline’s natural beauty.
- The signature element will add a special touch to enhance its visibility and provide a fun experience to visitors.
- I made many different designs using SketchUp until I landed on the one I liked best. Then I 3-D printed it and added color to finish it off.

MLK SHORELINE - ANALYSIS

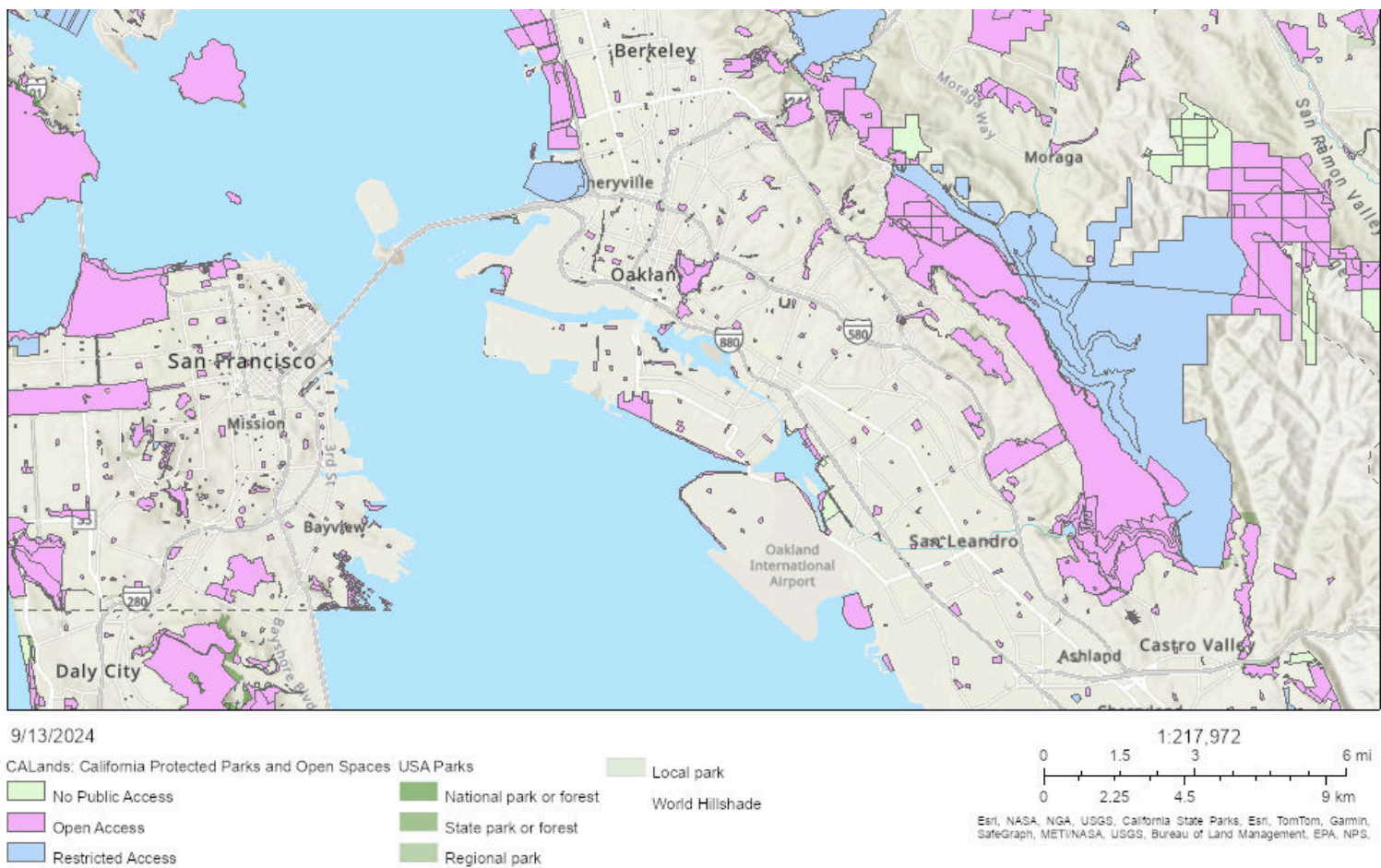
Francisco, Joairib, Issac, Deondrae, Saira



SITE CONTEXT

- The site we chose was the gratitude area in the MLK Shoreline.
- The goal to improve our project is to create a design where people can enjoy nature, also we want it to be a good space for fun activities outside like going on a run/ walk. And most important to have a nice clean environment for people to enjoy.
- Improvement at our site is important for the surrounding area/ community because we want to create a space where our community enjoys their visit at our site, making them come back to enjoy it again.
- This map shows open space in Oakland. You can see that there are not many large parks in East Oakland
- This information is important because there are open spaces in Oakland that could be improved and attract more people, and MLK Shoreline is one of them.

NEIGHBORHOOD MAP OF OAKLAND: OPEN SPACE



SITE ANALYSIS

- To understand our site better we visited the site and took notes and photos.
- One asset at our site is green space. This is an asset because in Oakland we lack green space. Another asset in our site is a safe environment and this is an asset because people will be more open to bringing out their families to our site.
- Two challenges in our site are that there are no night lights and no buses. These are challenges because people won't feel safe at night and it is hard to get to the site.



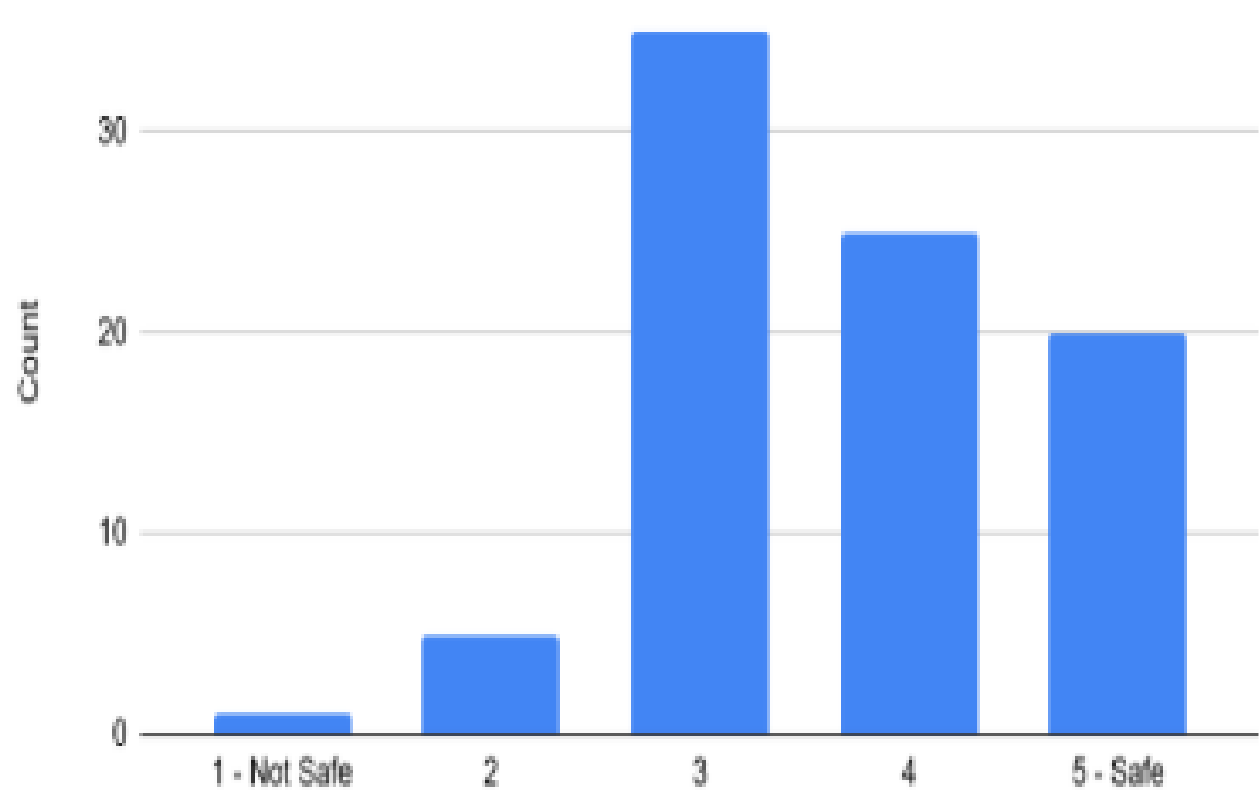
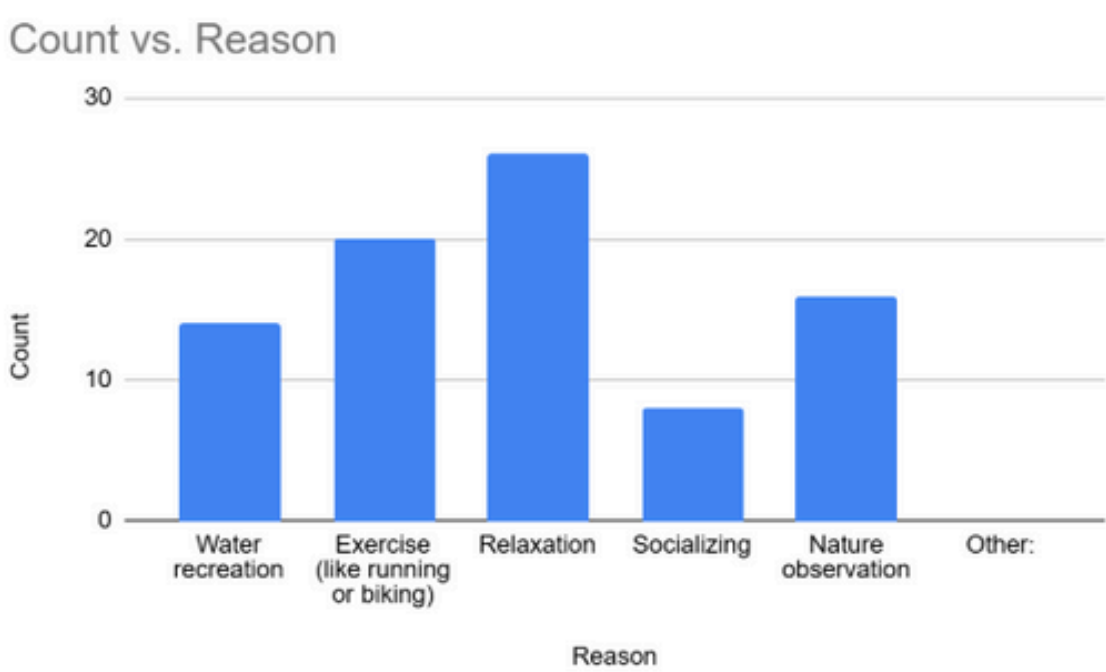
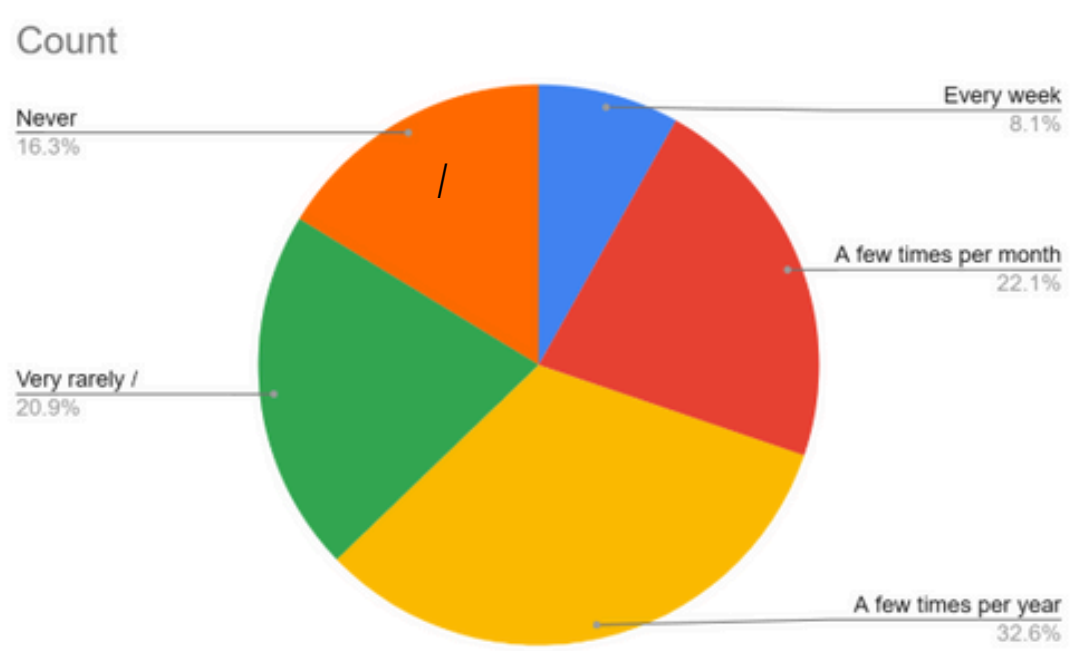
CLIENT INPUT

- Our clients for our project are Ninth Root and Hood Planning Group.
- During the client interview, we learned about the problems the site has like sea level rise and other improvements it needs. Also they gave us an Idea on what are some things we can add to our design.
- This influenced our design ideas by designing our site on the things our client said it needed. For example they talked about creating a space where people can find peace and healing in nature, Also adding bathrooms and water fountains. This affected our designs by creating a more enjoyable place for people who visit the site.

COMMUNITY OUTREACH

- We collected input for our design by making a flyer and survey then passing it out to the people in our community.
- 86 people completed our survey.
- In the future we would go out of our way to place a flyer in busy areas with the QR code to get more peoples opinions.

SURVEY ANALYSIS



- This chart shows most people only visit a few times a year
- This means that we need to try to get more people to visit the place by adding new things
- This matters to our project because we need to know if people go to the shoreline and this can also correlate with what they would like to see at the shoreline to make them more willing to go.

- This chart shows that people come to the shoreline mostly to relax and exercise and barely anyone comes to socialize.
- This means that we should hold monthly events to get the community together and add better places to relax and more bike lanes
- This information matters because we need to know what the community does at the shoreline so they can enjoy it more and keep coming

- This chart shows how safe people feel at the shoreline on a scale of 1-5
- This means that most of the visitors feel relatively safe at the shoreline.
- This information matters to the project because we need to know how safe the community feels at the shoreline in case they didn't feel safe we'd have to figure out ways to make them feel safer.

PRELIMINARY IDEAS

- Our five preliminary design interventions were solar powered path Lights, Bus stop, Bathrooms, Trash cans, and Pop-up cafe.
- We chose these Ideas by thinking about what can get people to the site, creating path lights so people can feel safer while they are in the site during the night time, trash cans to keep the site nice and clean, bathrooms so people have a close bathroom to them and not have to drive somewhere to use it, and a Pop-up cafe so people can enjoy a nice drink in the park.
- Our two program ideas are Walking Or Biking Group and Regular Trash Clean Up
- We chose these because it offers benefits for physical and mental health, the environment, and society.Garbage cleanup is important for several reasons, protecting the environment and biodiversity.
- Our two site activations were music/concert and food festival
- We chose these activation because we think it would bring the community together and connect with new people over all just have fun.
- After the preliminary ideas, we chose to focus on the tree and work around it also chose the curved benches as our signature design.



MLK SHORELINE - DESIGN



2D PLAN VIEW DESIGN



DESIGN EXPLANATION

- In order to come up with our design, we first made individual bubble diagrams, and then as a group we used each other's ideas to make one big diagram.
- We added a platform with a curved bench around the Gratitude tree, tables and chairs, a Gratitude boardwalk leading to the Harmonize area, bike racks, a water fountain, a bathroom, signs, and new plants.
- We added all of these design interventions because we wanted people to be more comfortable with the area and enjoy the space.
- We put the signs at the welcome area and at the harmonize area, then we put the platform, tables and chairs with curved bench around the gratitude tree, we put the bike racks rack next to the stairs leading to the tree, then we put the water fountain and trash cans next to each other across from the tree, and the bathroom more near the welcome area.
- We put the signs closer to the welcome area because we can let people know where they are, and the bathroom is closer to the road for easy maintenance. We put the curved bench around the tree so it can be a focal area. We added a boardwalk so people have multiple ways to move through the site.
- Our clients said they want healing through nature so we created a peaceful seating area around the tree, and they also said they wanted more bathrooms so we added one by the welcome area.
- On the community survey they wanted a bathroom and a picnic area so we put a bathroom near the welcome area, and we added tables and chairs so people can use them to sit and eat.

2D PERSPECTIVE

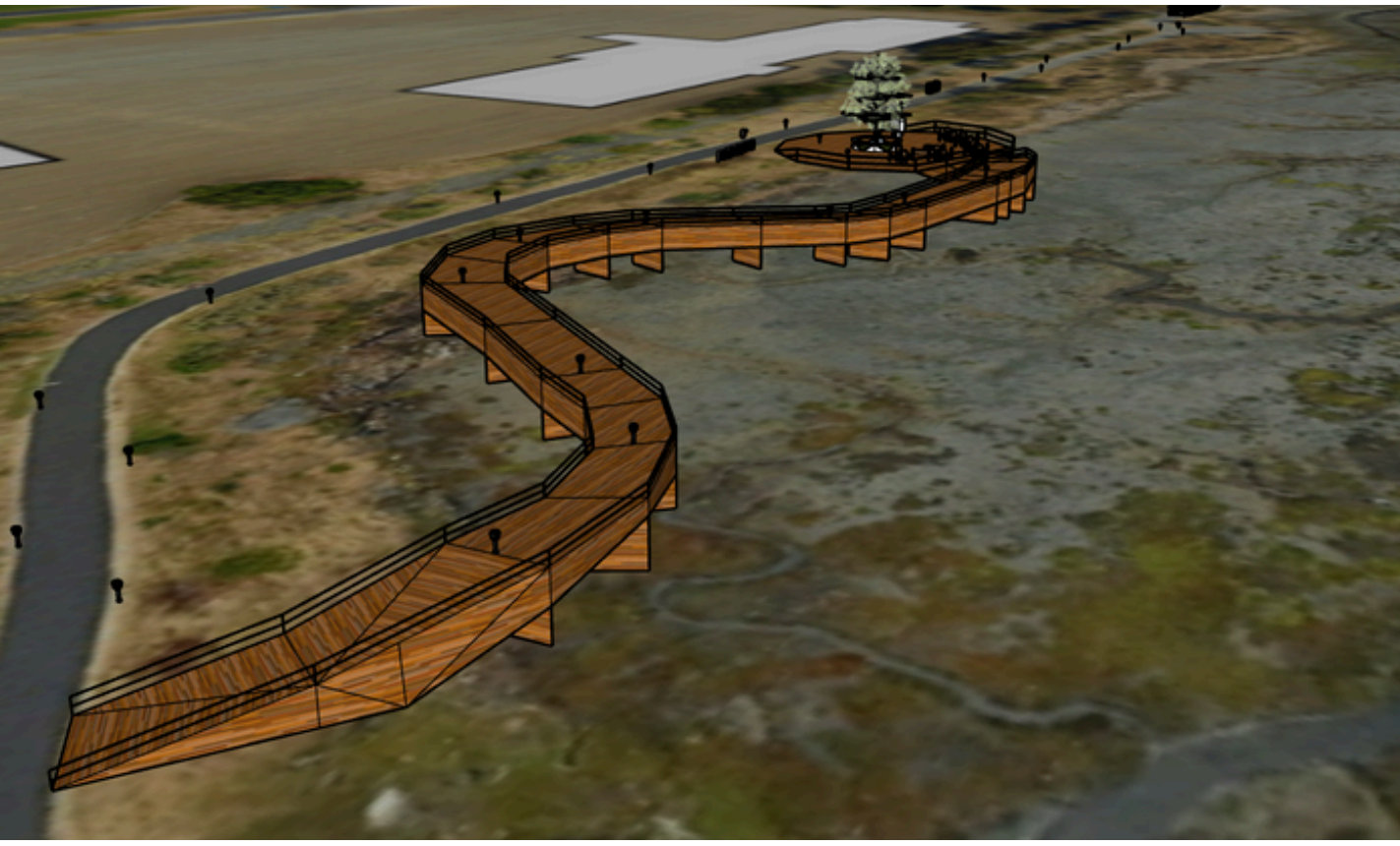


- The before photo is showing a very empty space with plants around it. The main challenge with this current space is that there's no benches nor trash cans in it, It doesn't look like an enjoyable place .
- The after photo has more enjoyable things for people who enjoy the site. The things I added to improve the space where trash cans, a water fountain, a bench, and more colorful plants.
- These design features improve the space by crating a rest area where people can sit down and drink water. A trashcan to keep the site clean and colorful plants to bring more life to the space.

3D DIGITAL MODEL



- This image shows the tree surrounded by a fence like structure I made with chairs and night lights all on a wooden platform.
- It will look better and make a better place to relax which was the biggest reason people visit the site according to our surveys.

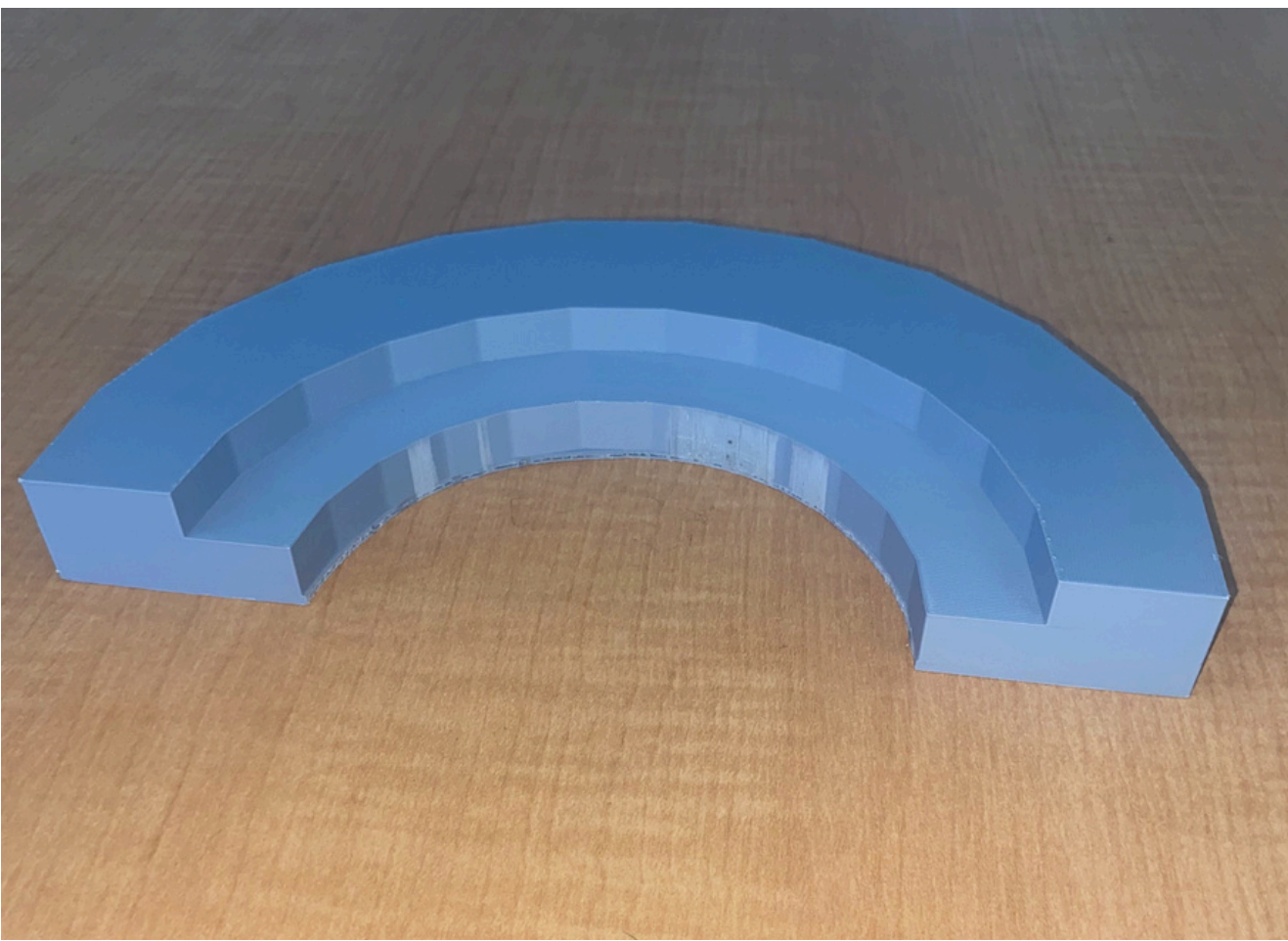
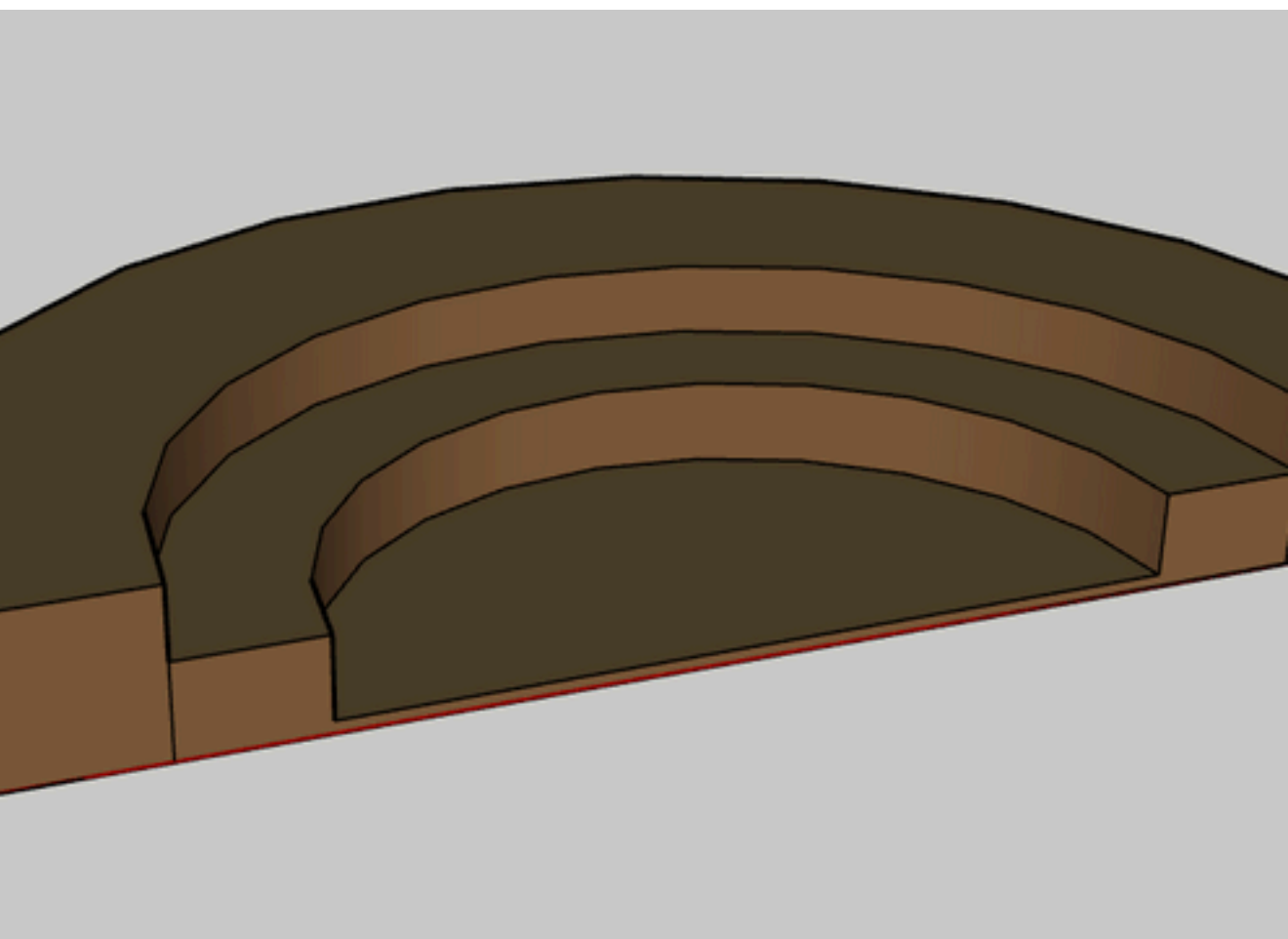


- This image shows the curved bridge with night lights and the platform the tree is on
- This design will make for a more fun way to get around the site and it can also be useful for people trying to get around the site so it's not all crowded in just one pathway.



- This shows the entrance with flowers and the sign to guide and explain more about the site
- This design makes for a more fun and interactive entrance explaining all the areas and fun facts about each area while also having a beautiful entrance setting the tone for what's to come.

3D PROTOTYPE - CURVED BENCH



- Our signature element is is a curved bench around the Gratitude tree
- One reason we chose this structure is because there is nowhere to sit at the MLK Shoreline Park and it would be more helpful to have somewhere to sit and rest somewhere that is peaceful when the weather is cool.
- This signature element benefits the project site by having somewhere to sit, think and rest for a period of time.
- How I created my prototype is on a computer using SketchUp to design the bench. Then I printed the bench on the 3D printer, and it took 2 hours to print.

MLK SHORELINE PARK - ANALYSIS

Maycol,Irma,Neyli,Andy,Walter.



SITE CONTEXT

- MLK Shoreline Park. and we are focused on recreating the “Gather” Areas so that is comfortable for everyone
- The goal of improving our project site is to connect the community. We are designing a Children's Play Area, Interactive gardens, A public gym, and food areas for urban vendors.
- Improvement at our site is important for the community because it will help the community to come together and share a beautiful space.
- The map below indicates that the air quality at MLK Shoreline is quite poor due to contamination.
- This information is important for our design because we now know what to improve and whether we can focus on taking measures to make the space safer for visitors while also giving them another opportunity to take advantage of the available space on the site. To help the air quality we add more trees and flowers to our design.

Neighborhood Map Title



SITE ANALYSIS

- During the notice phase of the design process, we visited the site and saw trees, water, birds, and flowers. But there were just a few trees and also many dead plants.
- One of our project's main assets is the immense view of the lake. This is an asset, as we can take advantage of this resource and focus on beautifying the site, attracting more people, and thus allowing them to enjoy the outdoor space. Another asset of our project site is its large size and space. This is an advantage because, with a wide variety of spaces, we can add more structures and different recreational areas.
- One challenge at our project site is the dead grass. This represents a challenge because, with the site filled with dead grass, it will be very difficult to plant or revive turf, making the soil difficult to manage or too dry to be used for other plants.
- Another challenge at our project site is the lack of visitors. This represents a challenge because people don't take advantage of the site; it is generally empty and therefore unable to receive proper care, making it a desolate and unattractive place.



CLIENT INPUT

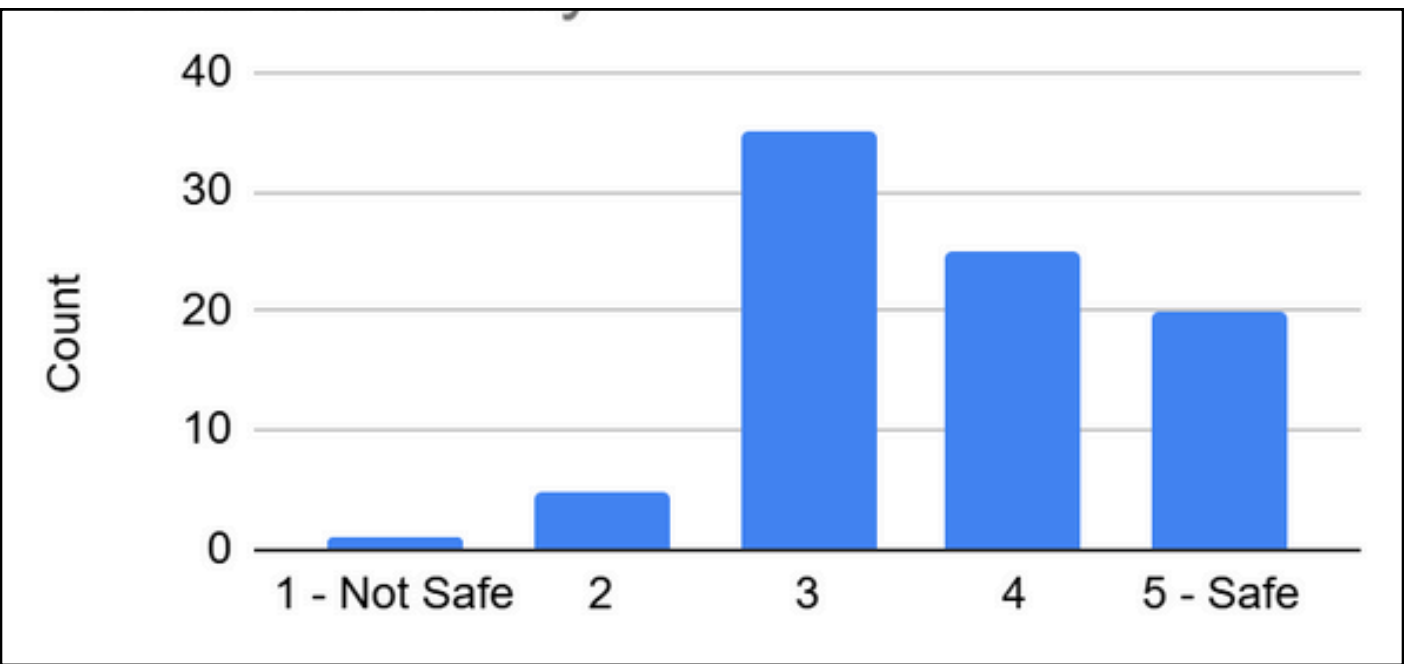
- Our clients are Ninth Root & Hood Planning Group.
- One key point from the client interview was their desire to emphasize cultural diversity.
- This information influences our design because to address what our clients wanted, we have incorporated events that allow individuals to sell and share their cultural foods. By showcasing a variety of culinary traditions, we aim to celebrate and expand awareness of different cultures within our community.

COMMUNITY OUTREACH

- In order to collect input from the community for our design we conducted a survey to find out what people thought about the place and how we could improve.
- 86 people completed our survey.
- In the future, to encourage more people to participate in the survey, we can share the links and let them know their opinion is very important. We might also offer something as an incentive for taking the survey.

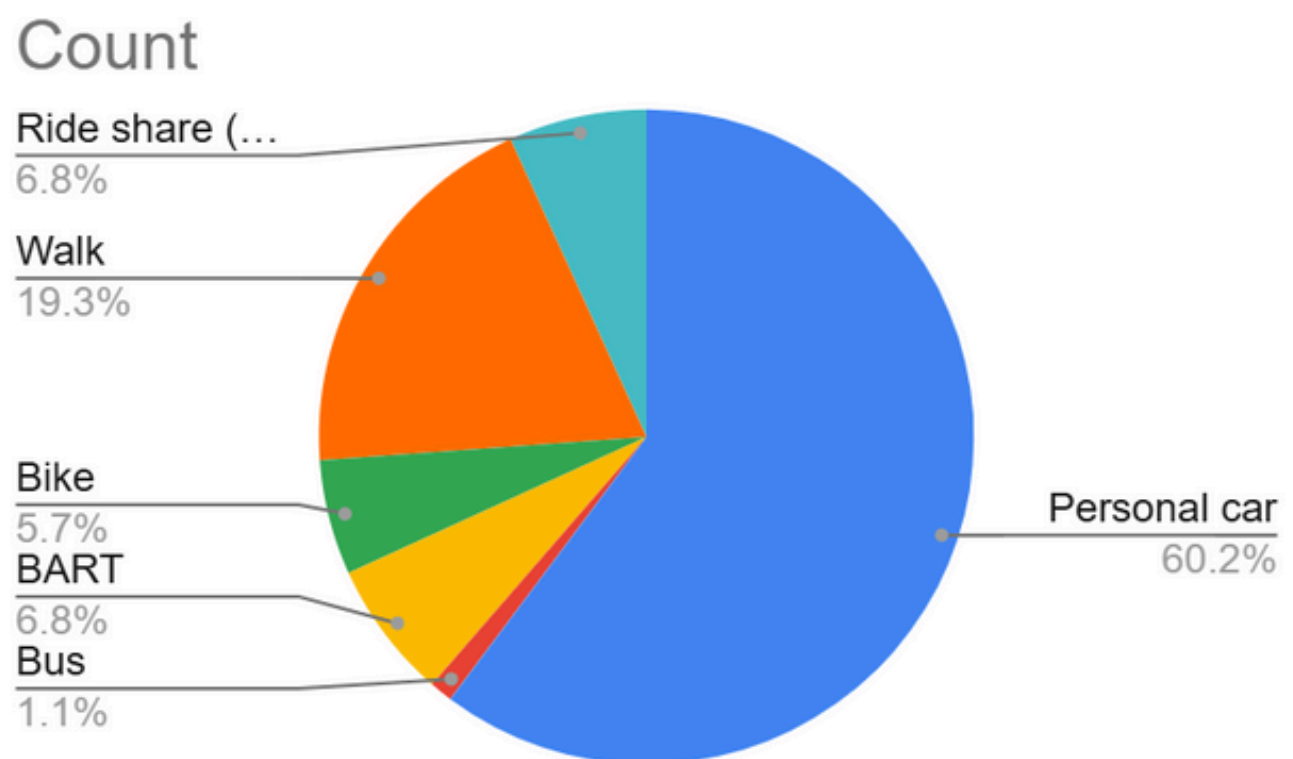
SURVEY ANALYSIS

Safety



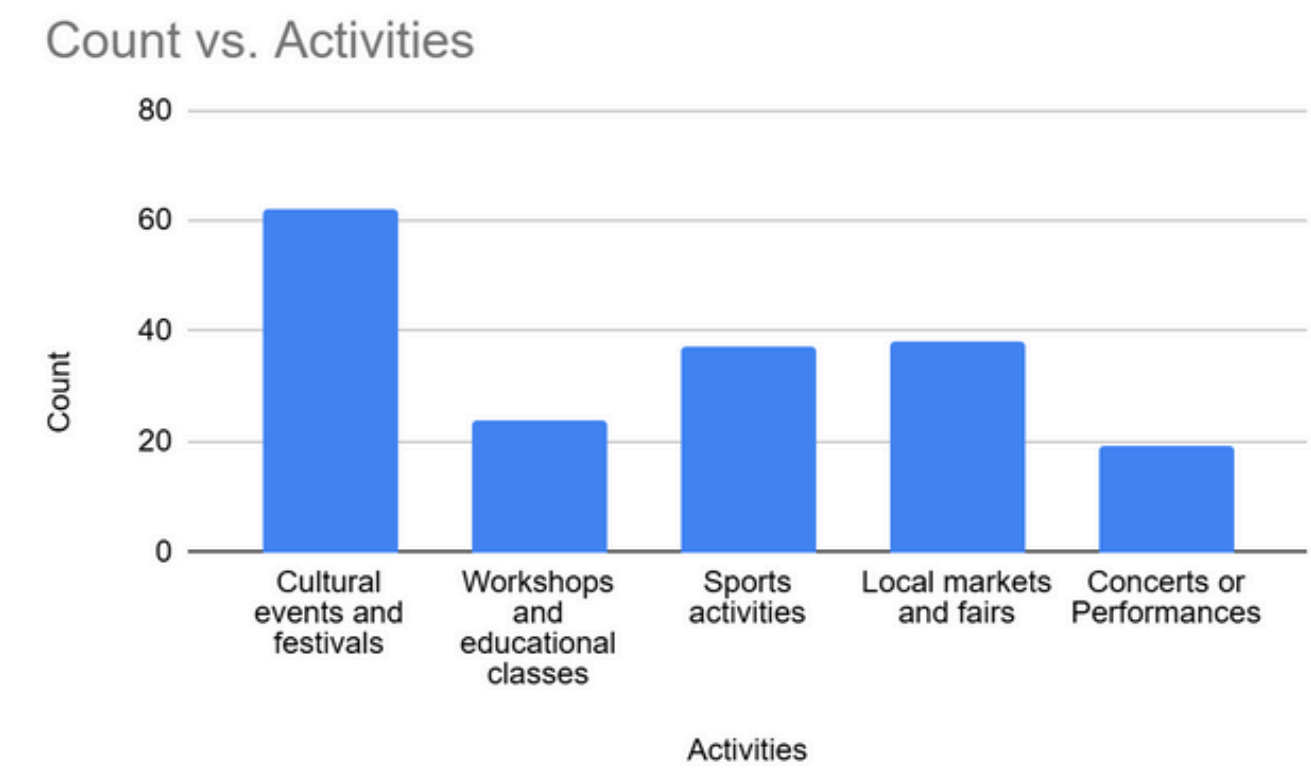
- This graph illustrates that half of the respondents feel it is safe, while the other half do not.
- This means that 35 people reported having a neutral opinion about safety at MLK Shoreline, 25 feel somewhat safe, and 20 feel very safe.
- This information is important to improve public safety, so we suggest installing lights to improve visibility. Based on the survey results, we propose establishing a security plan that includes community police patrols of the park to ensure visitor safety.

Transportation to the Park



- This graph illustrates that 60 people use their own car to visit the park, while the other 19 people arrive walking.
- This means that many people use their own vehicles to get to the park.
- This information is important for our project because it will allow us to improve public transportation, and bike lanes so people can get around.

Activities Desired



- This graph indicates that a majority of people are interested in sports activities, with 37 respondents expressing their preference, and local markets and fairs, which garnered 38 responses.
- This means that most people are interested in sports.
- This information is crucial because it helps us understand what activities we can organize to meet the interests of the community.

PRELIMINARY IDEAS

- Our five preliminary design interventions were a Playground, Picnic area, Public Gym, Boat race
- We chose that because we want our community chिल्ds have fun and a beautiful place for their recreation.We chose the Picnic area because the people from our community would enjoy nature and they can feel so good. We chose Bike road because for all folks that love to drive a bicycle also they are going to stay safe with a new road. We chose a public Gym because we want that all folks keep healthy and they feel well doing exercise. We chose a boat race area to attract people.
- Our two program ideas were Movie night and a Soccer program
- We chose these programs because It fosters interaction among community members, creating a space where people can gather, socialize, and build relationships. It promotes cultural diversity by selecting films that reflect the stories and experiences of different communities.
- We chose the Soccer program because we want to do events where youth teams go to play or where they can train.

- Our two site activation ideas were a Boat race and a marathon race
- We chose the Boat race because it is an option for our site activation, organizing this every year or every so often helps us bring more visitors from other places.
- The clients said we had excellent ideas for our design and we need to try do other things that help our community.



MLK SHORELINE PARK - DESIGN

2D PLAN VIEW DESIGN



DESIGN EXPLANATION

• During our design process, we were talking about what design is going to be better for our community. We collaborated on drawing the map and put different things and then our team started working on 2D and 3D.

The final eight design interventions we included are:

- Playground for child
- Soccer field
- labyrinth
- Observation Tower
- Yoga area
- Rental Boat
- Gym
- Dog training
- A bus stop

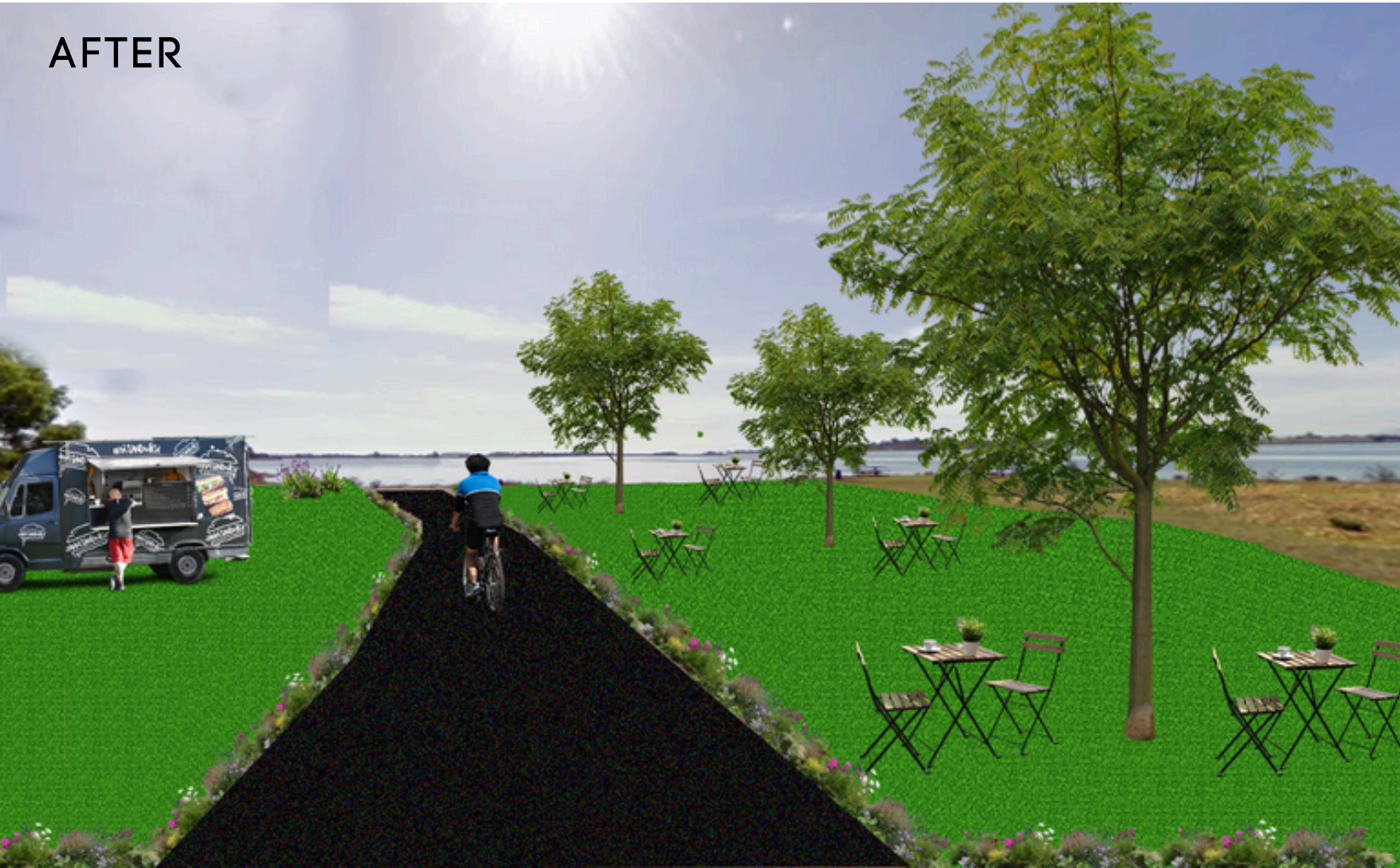
• During our design process, we were talking about what design is going to be better for our community. We collaborated on drawing the map and put different things and then our team started working on 2D and 3D.

• We located the gathering seating area near the water so that way people have a better view. We put the other facilities near the Gather area because we want people to have resources like water, shaded benches, trash cans, and other things nearby that make it easier to stay there.

• Our design responds to our clients' needs because we want to consider their opinions while also contributing our vision to the project. We hope the client appreciates our work and we can reach a mutual agreement on our design.

• Our design addresses the needs of the community because that way people will have a place that has what they ask for on the survey including activity areas, sports areas, and transportation access.

2D PERSPECTIVE

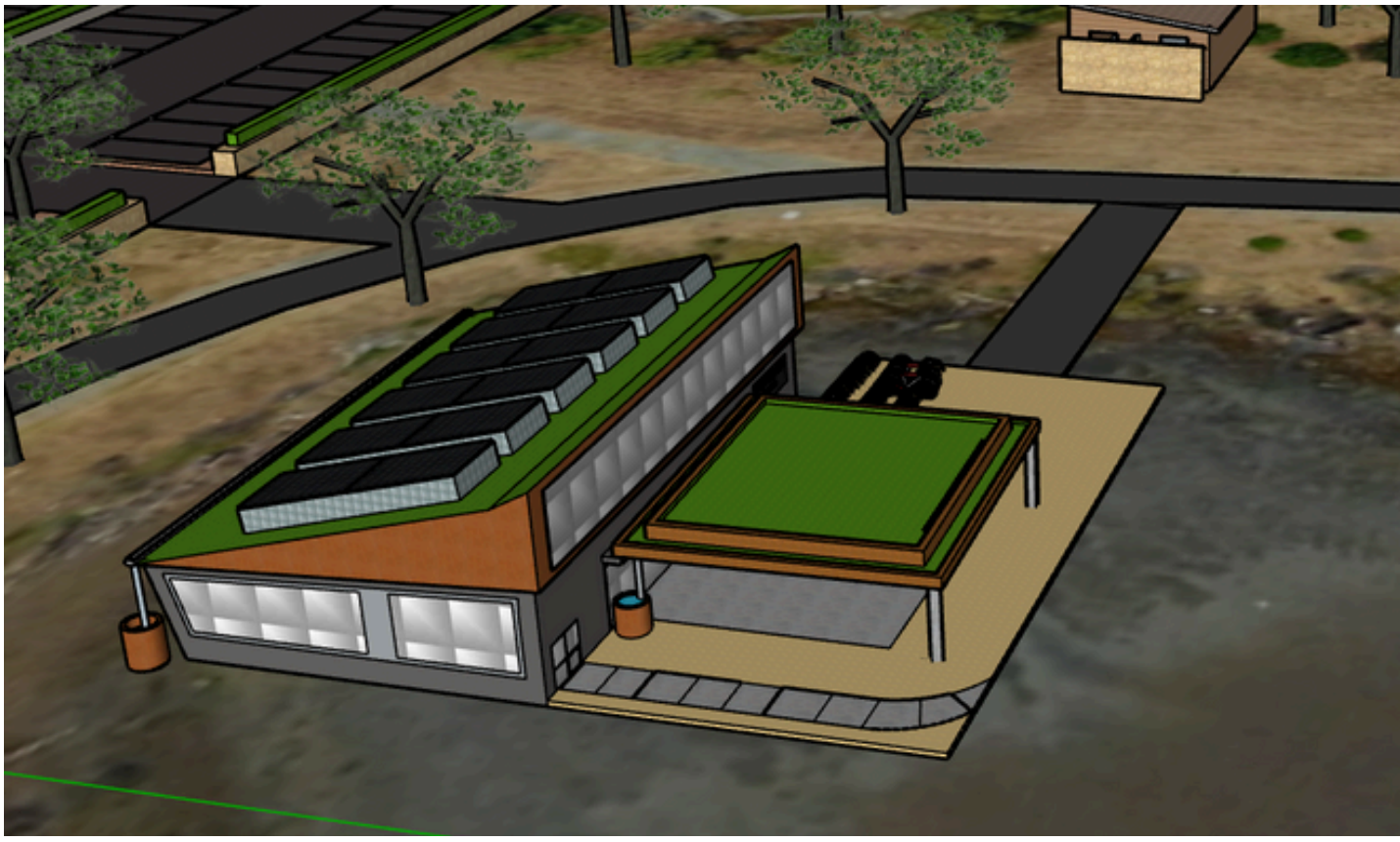


• The "before" photo shows a large area of dry grass. This represents a challenge because we can't make the most of the space. Other issues include a lack of rest areas, such as bathrooms, benches, and trash cans. Because it's a large, sunny area, seniors may have difficulty walking because they won't have anywhere to rest. Despite all this, the location is incredible and offers a beautiful view of the ocean.

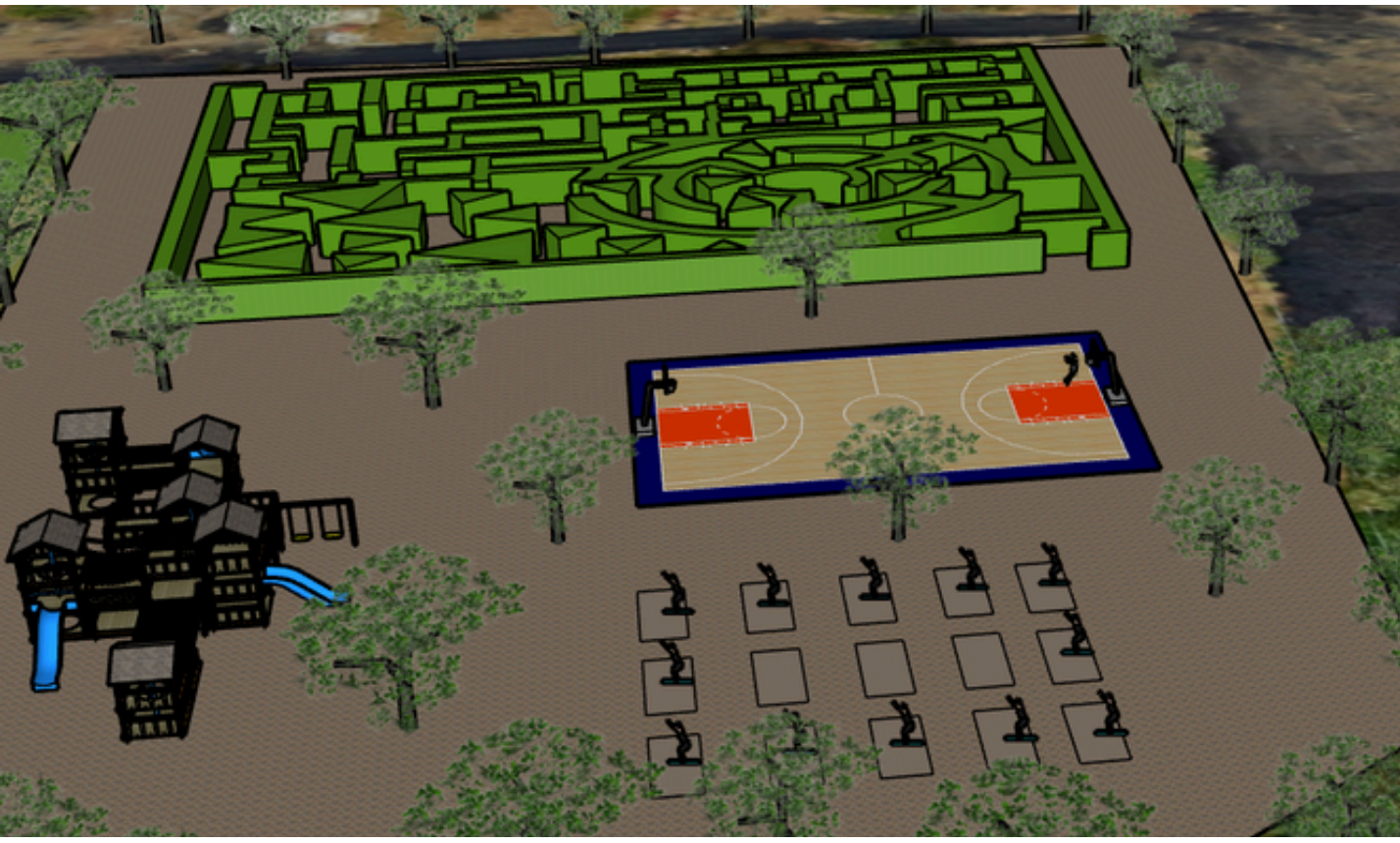
• The "after" photo shows a much more vibrant and welcoming space. The grass is now greener, there are flowers and trees that provide color and shade, and benches have been added for people to sit and enjoy. You can also see some people taking advantage of the space, which makes it feel more functional and pleasant. The difference is noticeable, and the atmosphere has improved considerably.

• This will improve the space because this will improve the space because people will see the change and be drawn to the place. A greener, well-maintained lawn gives a feeling of freshness, and trees and flowers will improve the view of the place. Benches will also allow them to rest and enjoy the space. All of this will make the place look and feel much better.

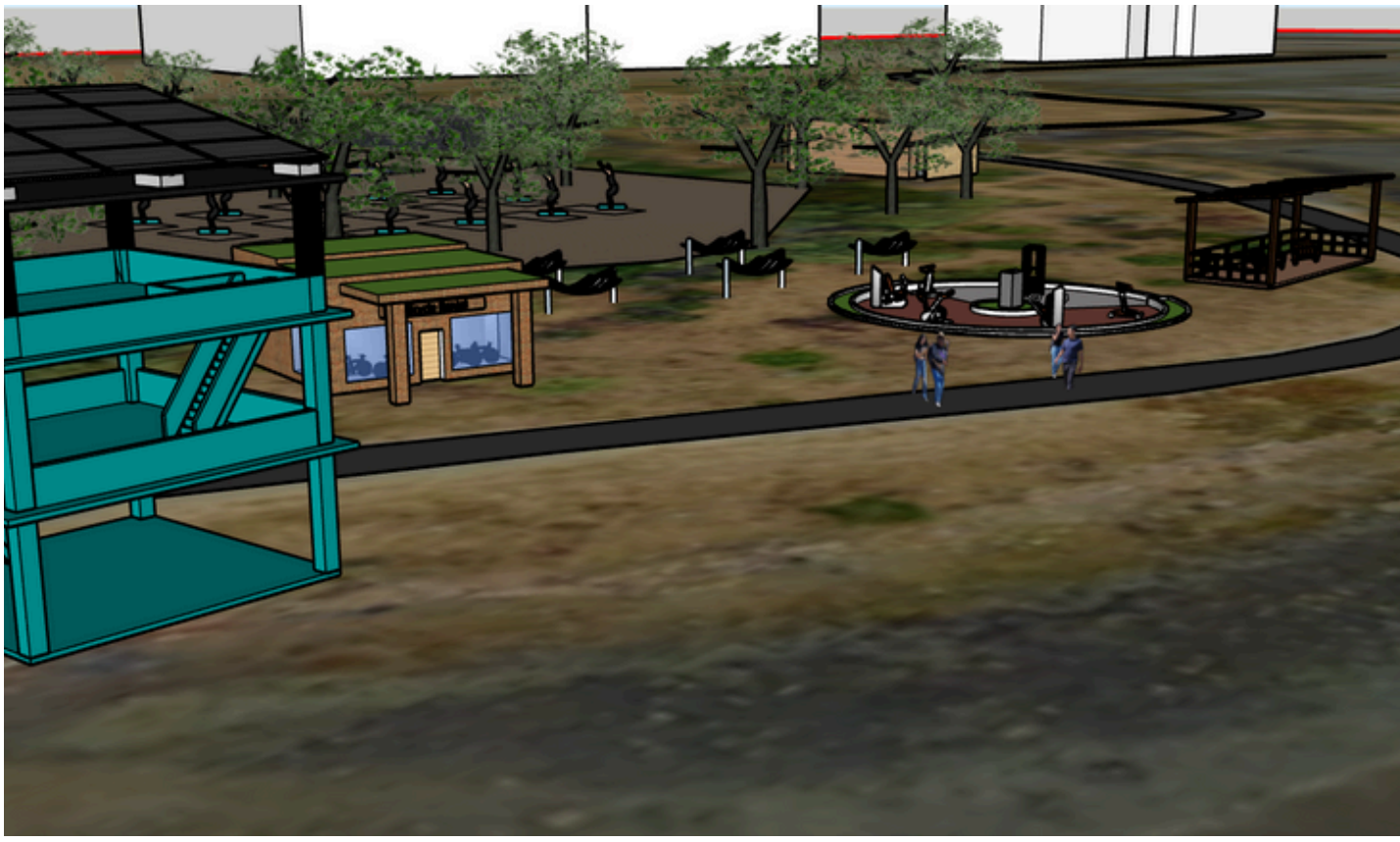
3D DIGITAL MODEL



- This is the MLK boat rental.
- we think this is a great asset for the community because it will make families to enjoy together.

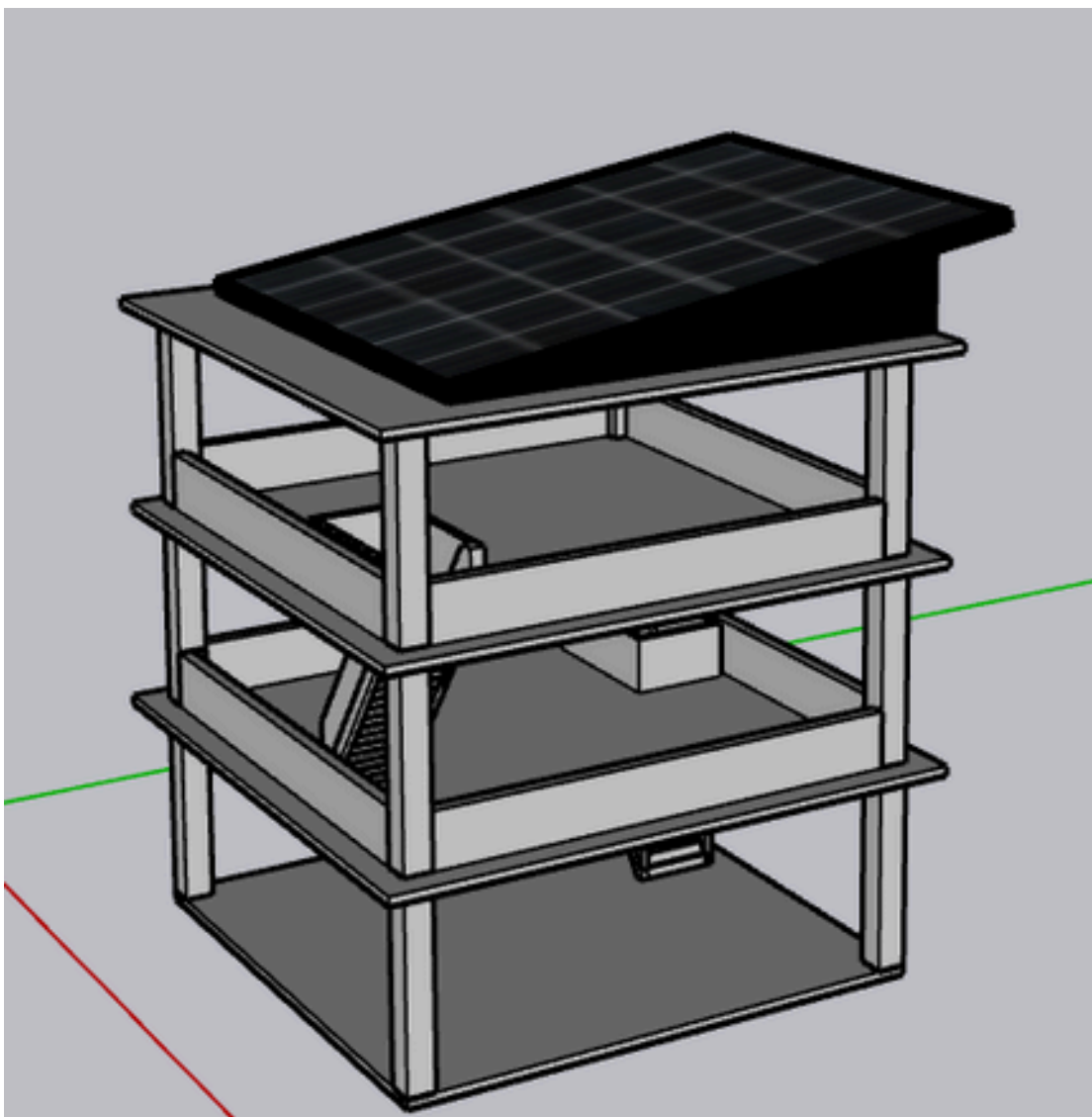


- This image show a children's play ground, maze, basketball, and yoga area.
- We think this are great assets for the community because people of any age can have a good time here.



- This image show the bike rental, Outdoor gym, and the observation tower.
- this will be great assets because it will help the people that like to exercise.

3D PROTOTYPE - ODSERVATION TOWER



- Our signature element is the observation tower.
- We chose this because it offers a unique perspective of the surroundings, fostering a connection with nature for visitors to enjoy.
- The signature element will benefit the space because it offers a panoramic view of the surrounding area, allows for wildlife and nature observation, provides a visual reference point, and can serve as a seating area.
- To create the prototype I used the SketchUp program, the 3D printer machine was also used to carry out the project, the material used was plastic.