



LpH

LAB

BACKGROUND

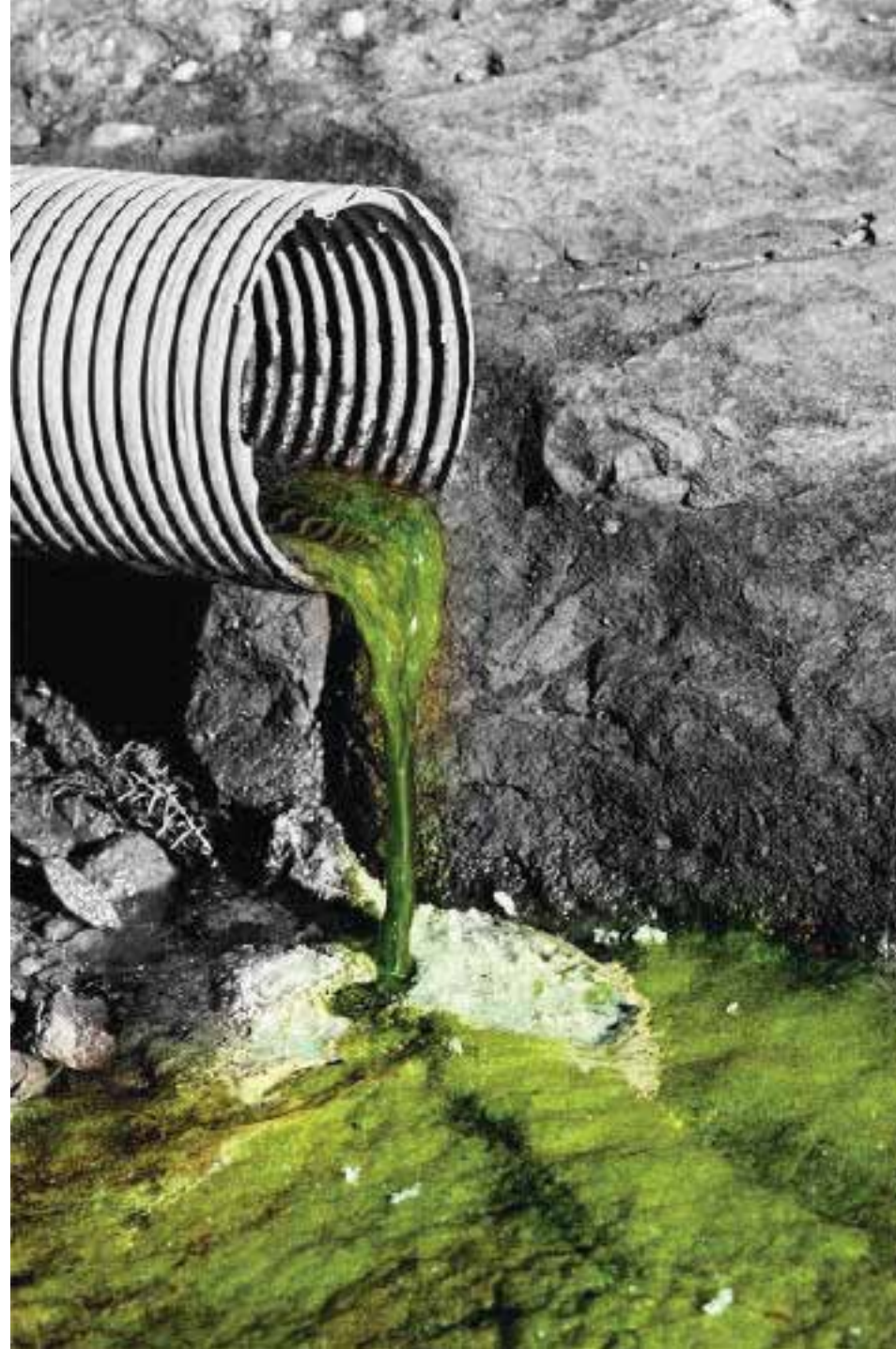
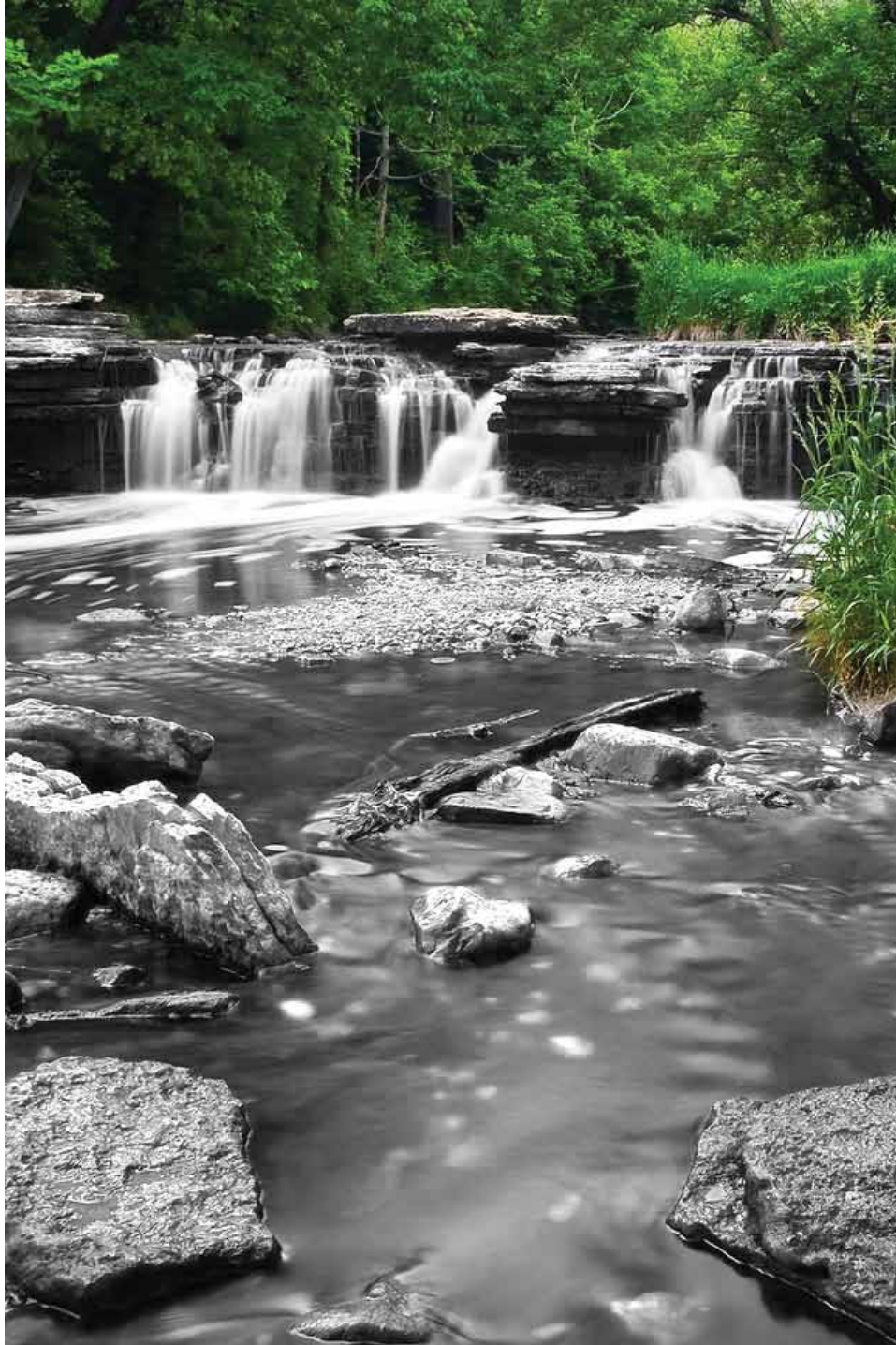
CINCINNATI

The Lower Price Hill Riverfront Site consists of a 14 acre open to redevelopment. The site is along the Northern Side of the Ohio River, minutes from Downtown Cincinnati, and is

This opportunity for development has the potential to unite industrial Cincinnati with the cities natural resources along the river's edge.



PROBLEM



POLLUTION

People in the inner city are not around nature often and are not aware of their impact on the environment, especially natural resources such as water.

The Goal of the LpH Lab is to provide a place for all people in the community to be more connected to nature and understand their impact and learn how to help.

The LpH lab will teach the community what pollution is (all forms including water) and how they can make changes in their everyday life to help.

RESEARCH

JAMES CLARKSON DISCOVERY CENTER



TRANSPARENCY

By using transparent materials to have visitors focus on the natural surroundings.

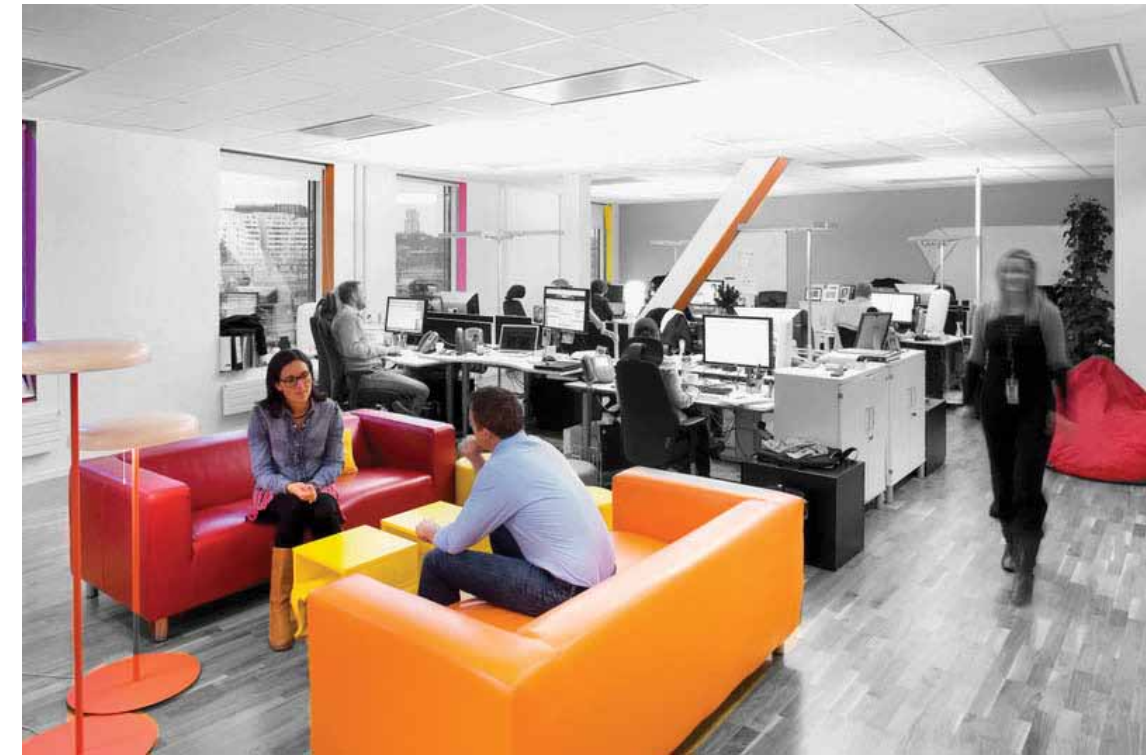
SMALE RIVERFRONT PARK



OUTSIDE INTERACTION

The SMALE Park is found just south of Cincinnati sports stadiums, providing the community a place to interact outside in a natural space along the river before and after games.

GOOGLE OFFICE: STOCKHOLM



INSIDE COLLABORATION

Google office is demonstrating office collaboration in design by relating spaces to people and how they want to work together

ST. FRANCIS SERAPH VISITS



LEARNING FROM THE KIDS

Over the course of the semester, our studio took trips to St. Francis Seraph to teach the kids about architecture and to also learn from them on how to better design a education center for kids. It was also an experience to see how life and education is for these kids from an inner city. With these trips I observed how kids like to work and what types of activities interest them.

USERS



WHO ARE THE USERS

The LpH Lab is designed for every visitor interested in learning about water pollution. It is a place to get education about how to live a lifestyle that will not harm the earth and protect our natural resources. Families, Classrooms, Professionals, are all welcome to the Lab.

ACTIVITIES

WHAT IS POLLUTION?

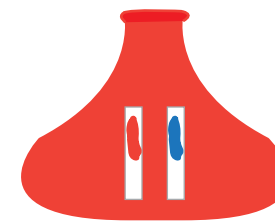
Exhibit area demonstrating different types of pollution and where it comes from.

WHAT CAN I DO TO STOP POLLUTION?

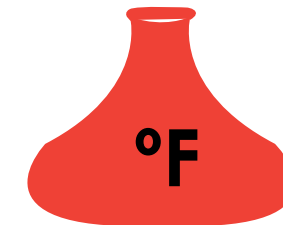
Exhibit area educating users on how they can stop pollution and why it is important to do so.

pH WATER TESTING LAB

The Lab area where people can perform their own experiments and save data for future use.



pH TESTING



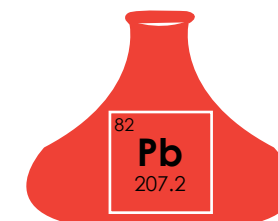
TEMPERATURE TESTING



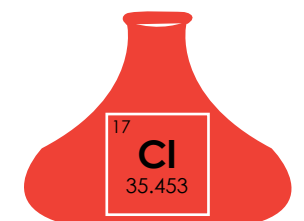
BACTERIA TESTING



SALINITY TESTING



LEAD TESTING



CHLORINE TESTING

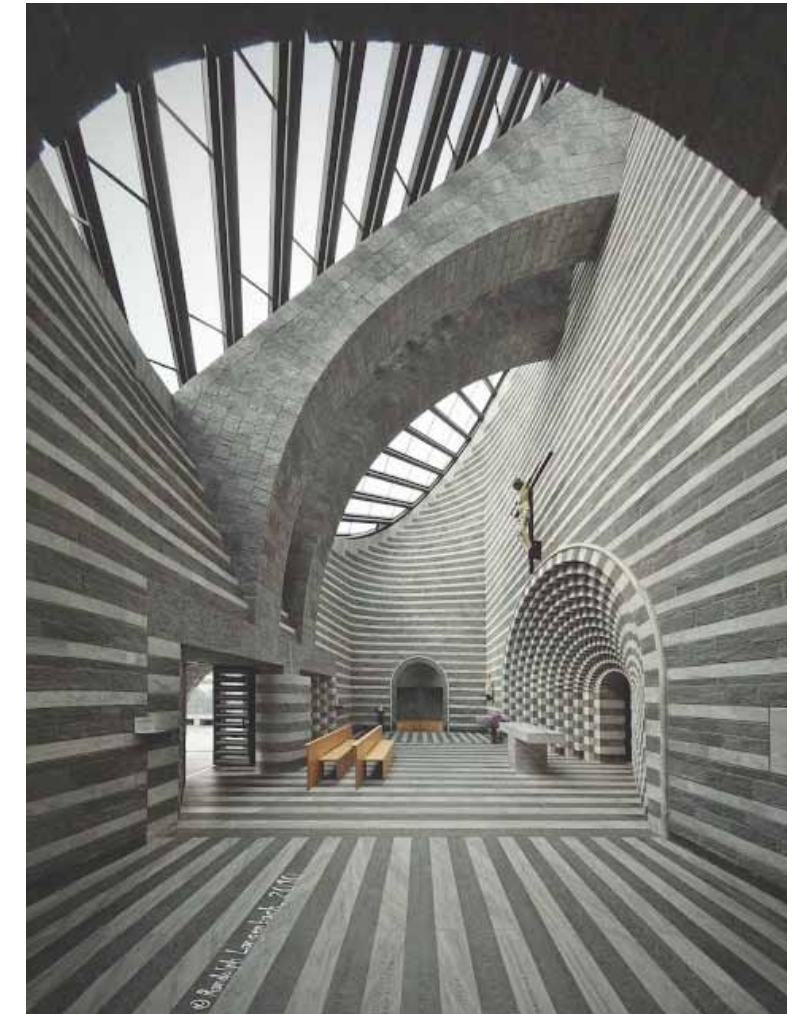
CONCEPT AND APPROACH

CONCEPT STATEMENT

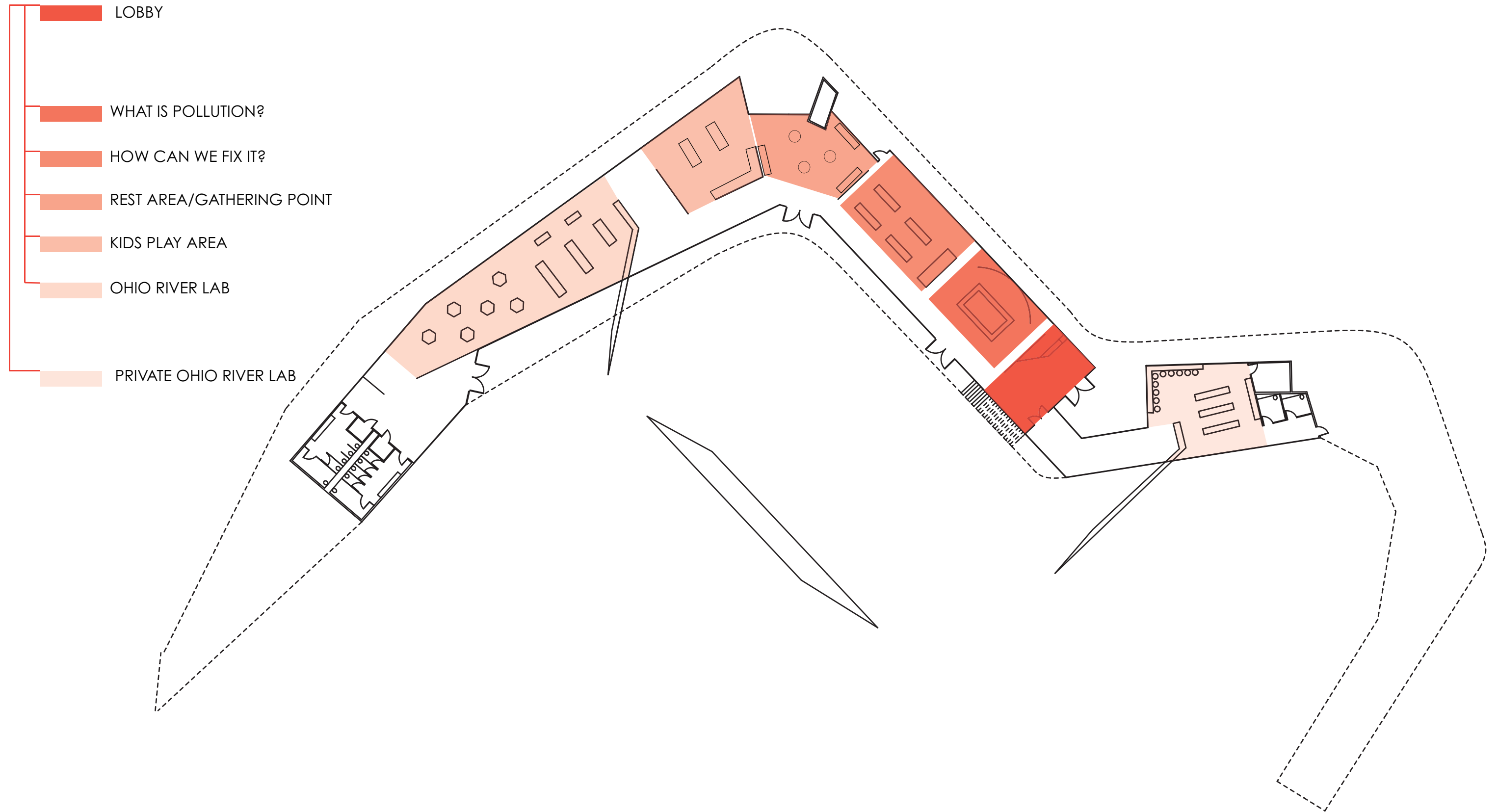
The Lph Lab is about the **path** of the users. To enhance the path, there will be a use of **vertical** and **horizontal** emphasis shaping the path.

The space will not be luxurious, formal or pompous. It is a space for all to use to learn and adapt. The interiors of the LpH Lab will use **natural textures** to keep the users connected to nature while indoors.

There will be use of **positive** and **negative** space. The **transitions** of the spaces have meaning and purpose to the experience and relate to the function of the building and the original structure used.



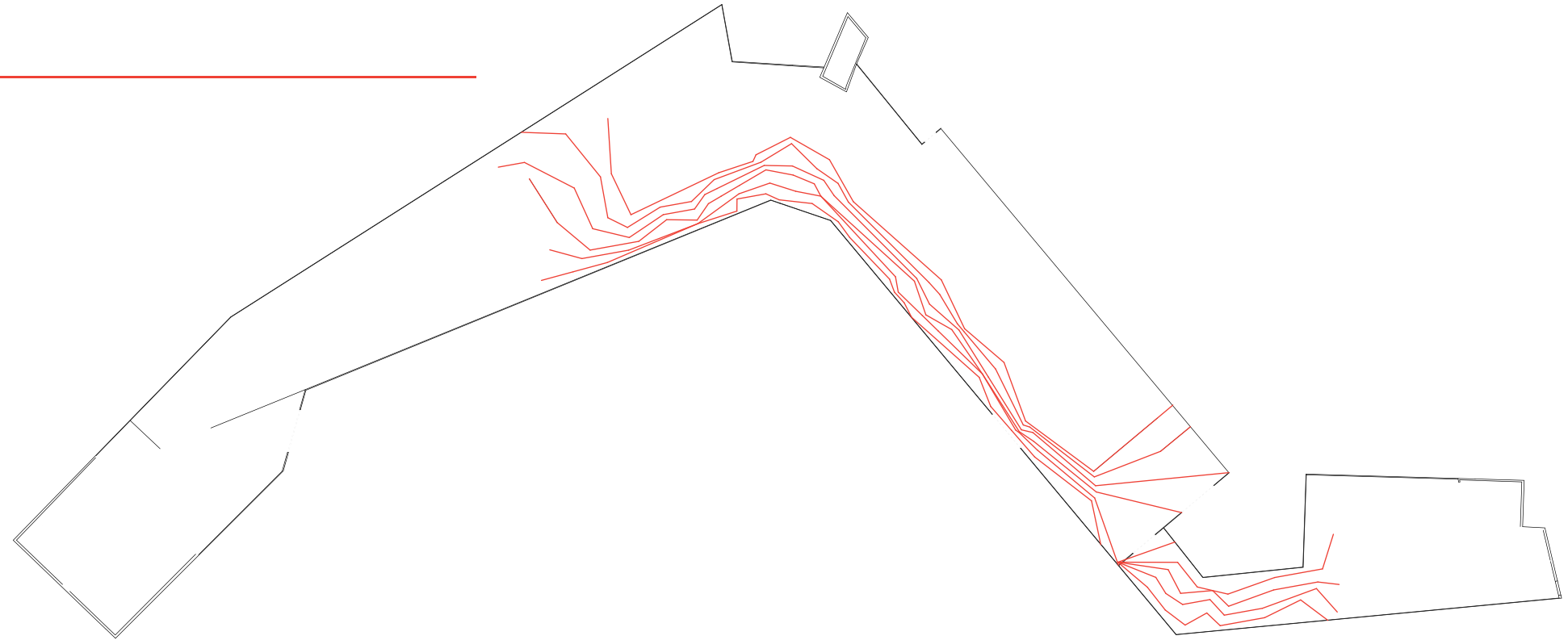
PATHS



TRANSITION

CEILING DESIGN AND TRANSITION

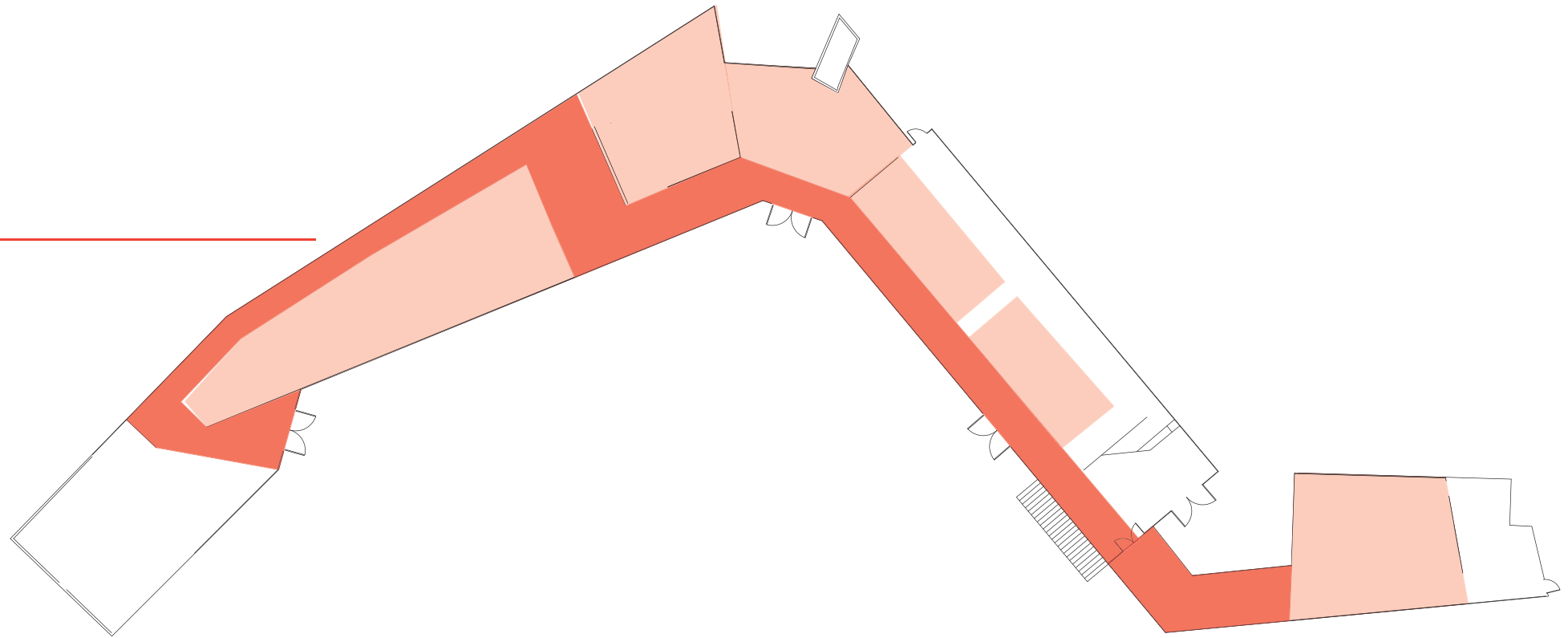
To mark the transition between important spaces and help direct people through the space, the ceiling is designed with a pattern that mimics the path of a river. The ceiling design is only present over main circulation areas.



POSITIVE VS. NEGATIVE

POSITIVE AND NEGATIVE INFLUENCE

Because people tend to dwell in the positive and move through the negative, the transitional influences are parallel to negative spaces to put more emphasis on the exhibits as positive spaces.



NATURAL TEXTURES

TEXTURES

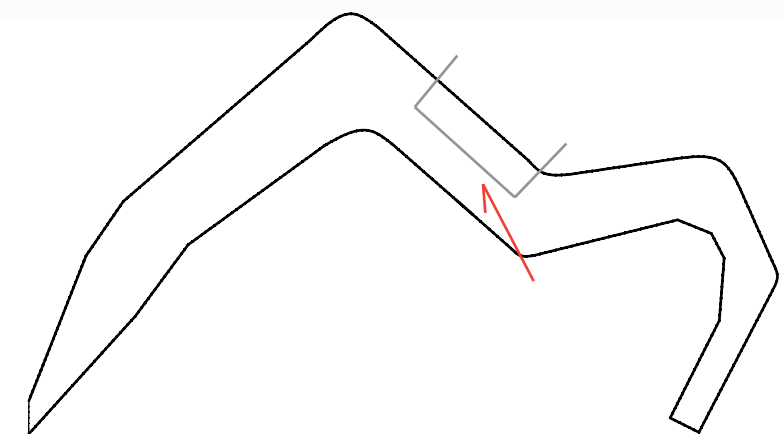
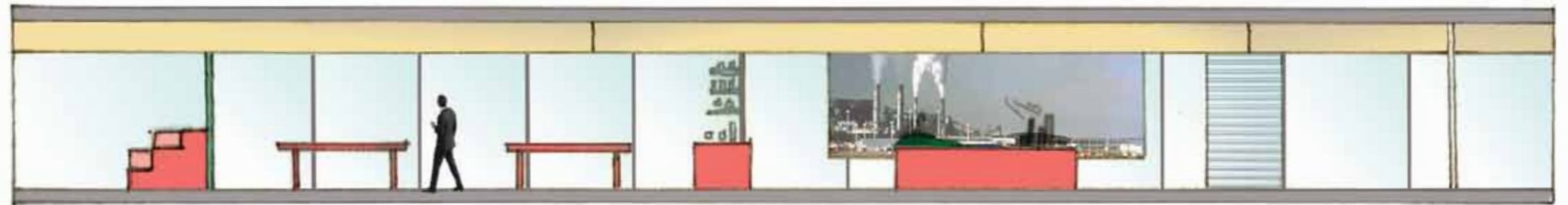
The natural textures are incorporated into the design of the building and concept to keep the visitors inside connected to nature. This will help reconnect the urban dwellers to the natural resources around them while learning how to protect them.



The flagstone is used to mark the active spaces for exhibits.



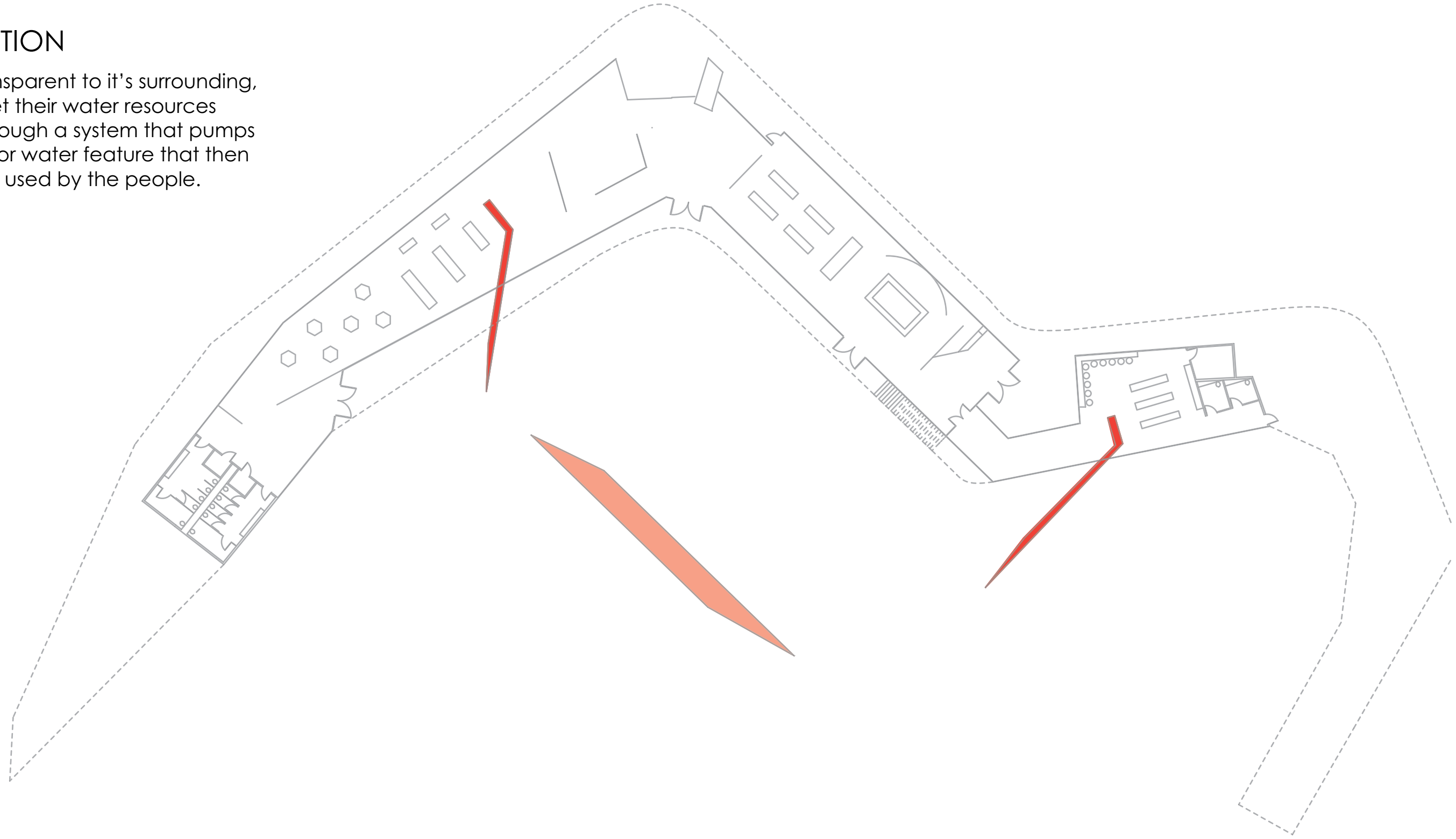
Moss is used as partitions of space and also cleans the air in the space.



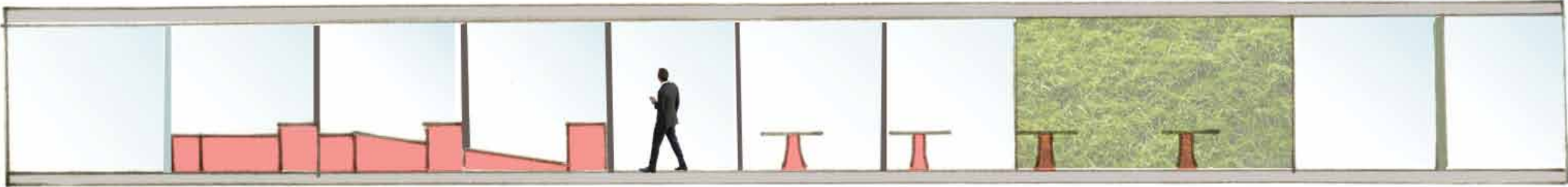
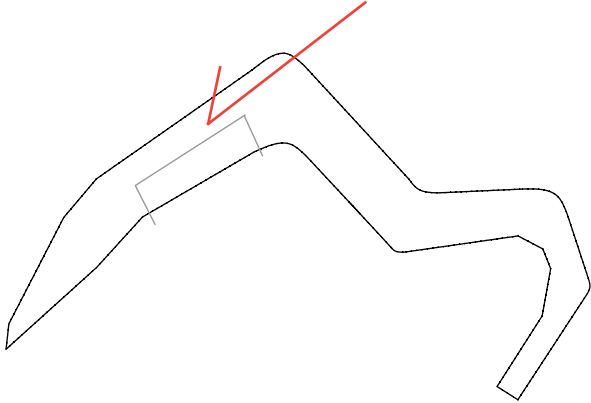
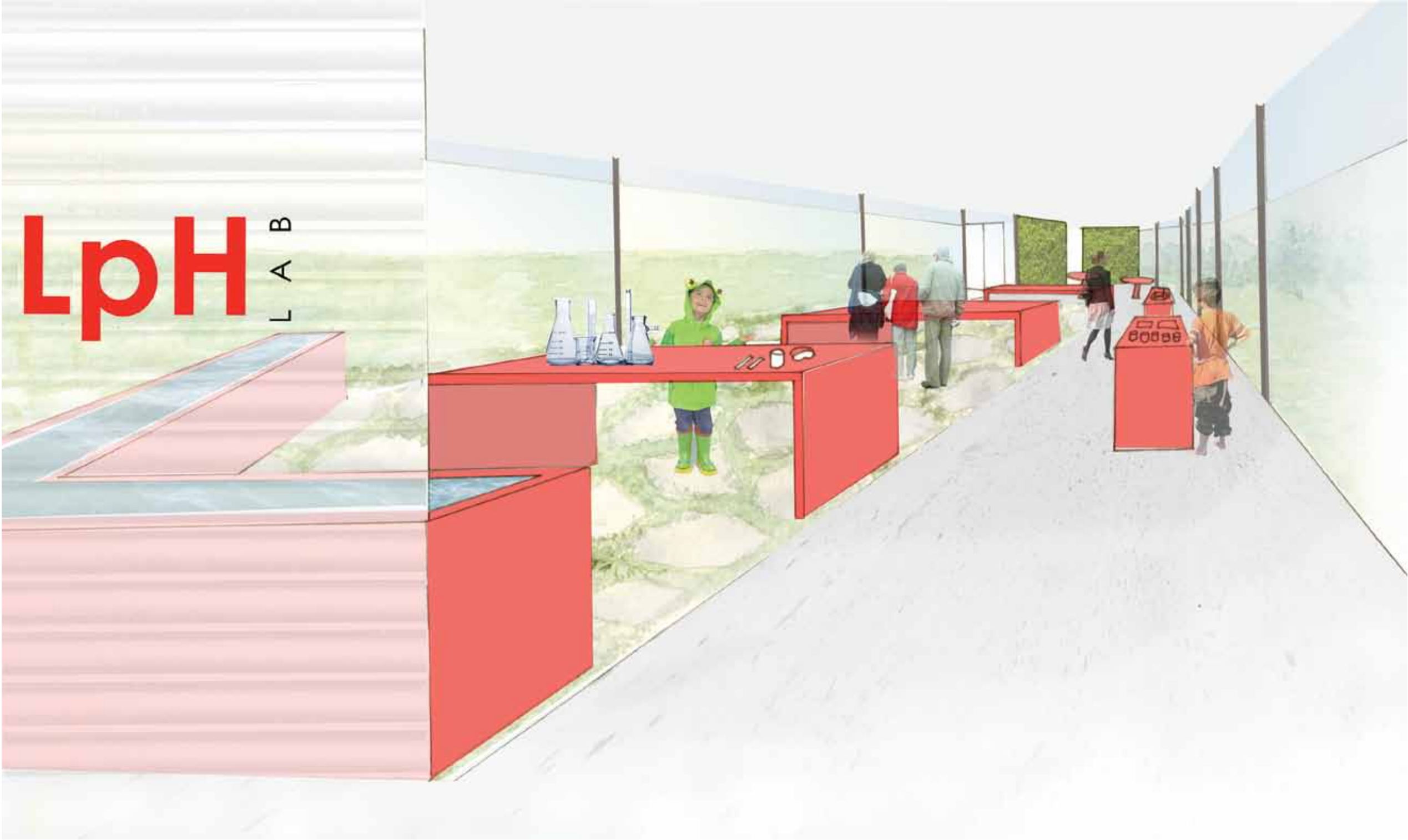
INSIDE OUTSIDE

OUTSIDE INTERACTION

To keep the building transparent to it's surrounding, the water testing labs get their water resources directly from the river through a system that pumps the water up to a outdoor water feature that then enters the building to be used by the people.



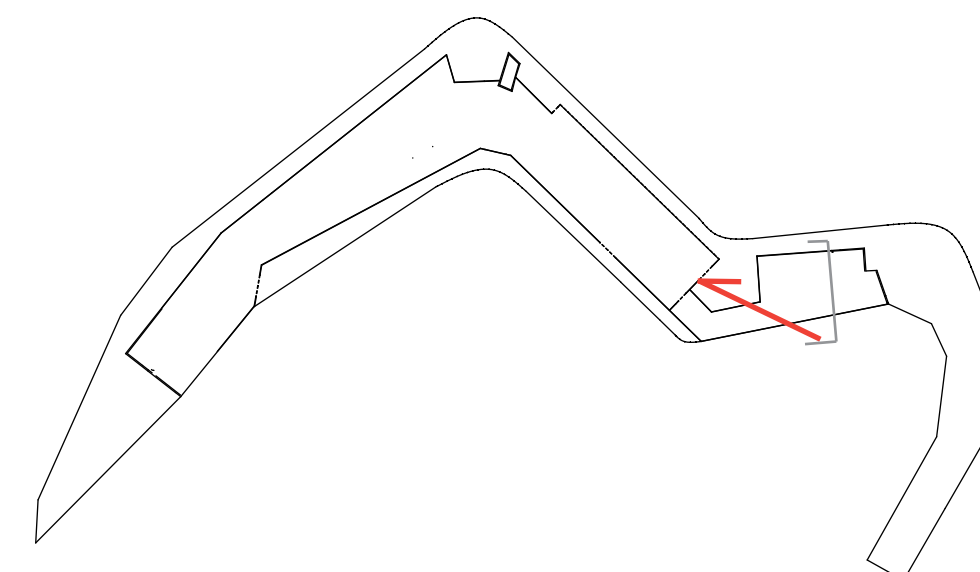
INTERIOR VIEW OF LAB

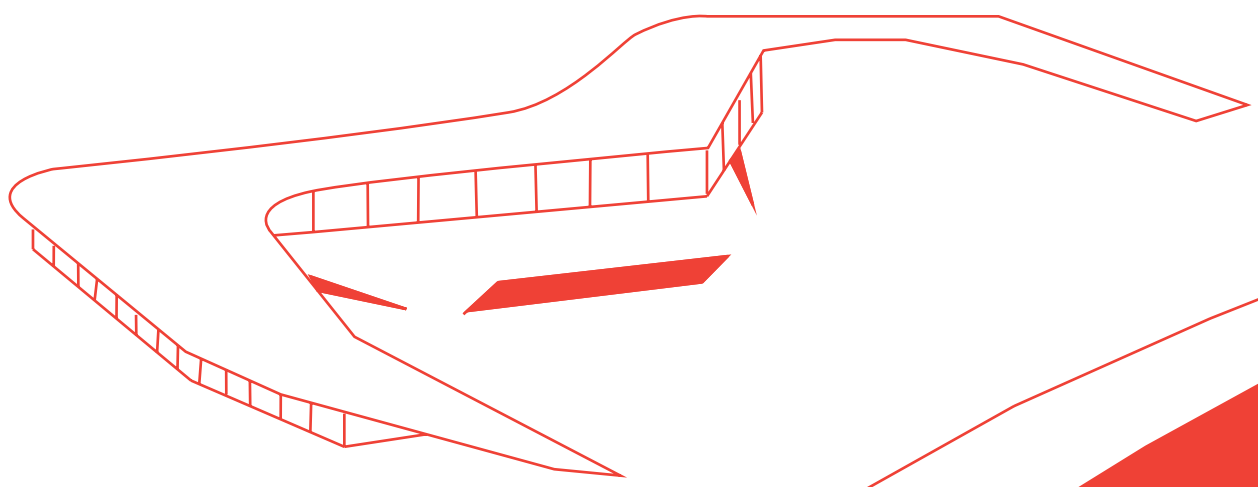


ENTRANCE TO LAB

MARKING THE ENTRANCE

Because the Entrance to the building may not be clear to all, the trim of the roof will be lined by a water feature that will run the along the North West edge of the building that will break to mark the entrance.





LpH LAB

CEILING DESIGN/SITE PLAN PROPOSALS- 12/4/13

