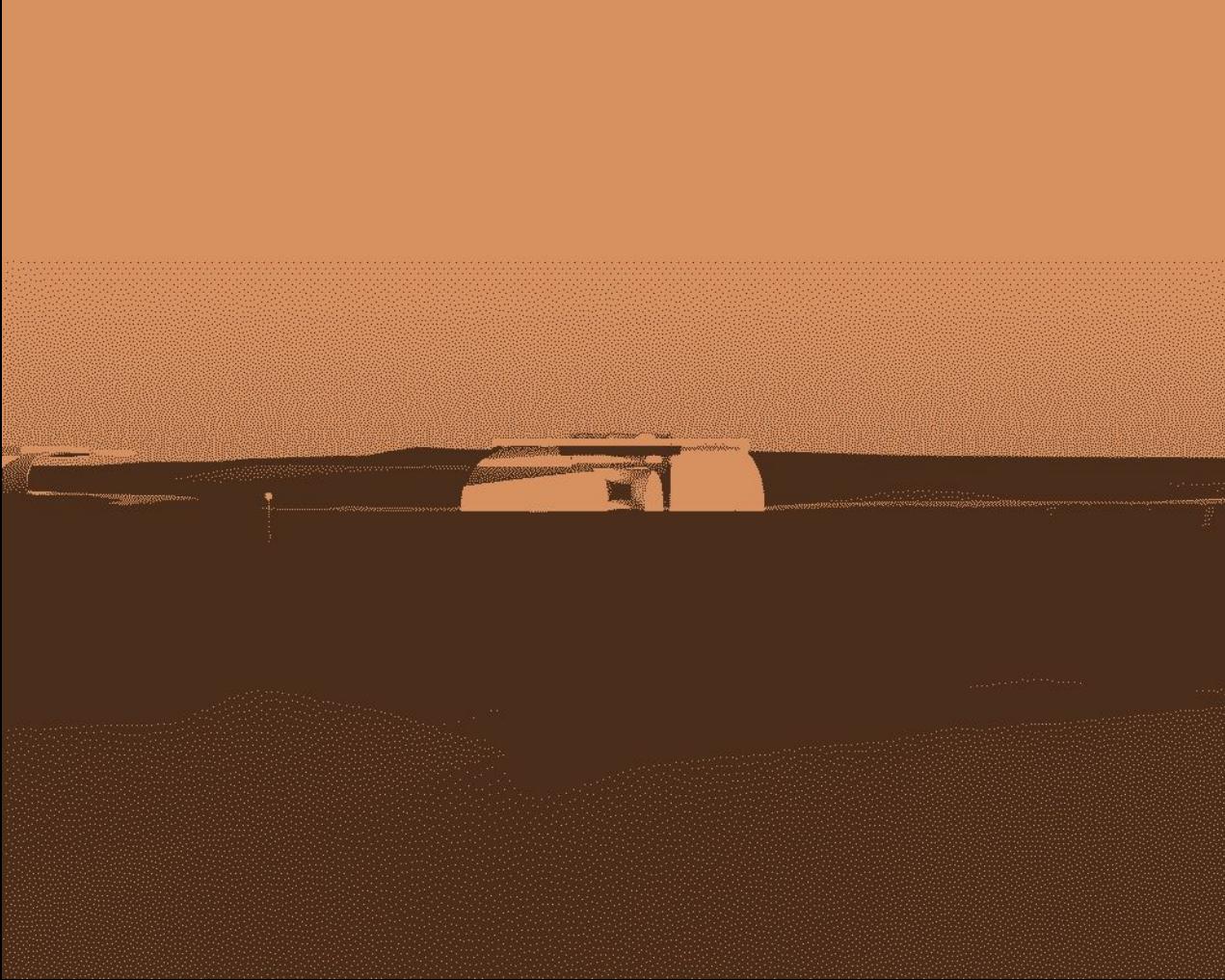
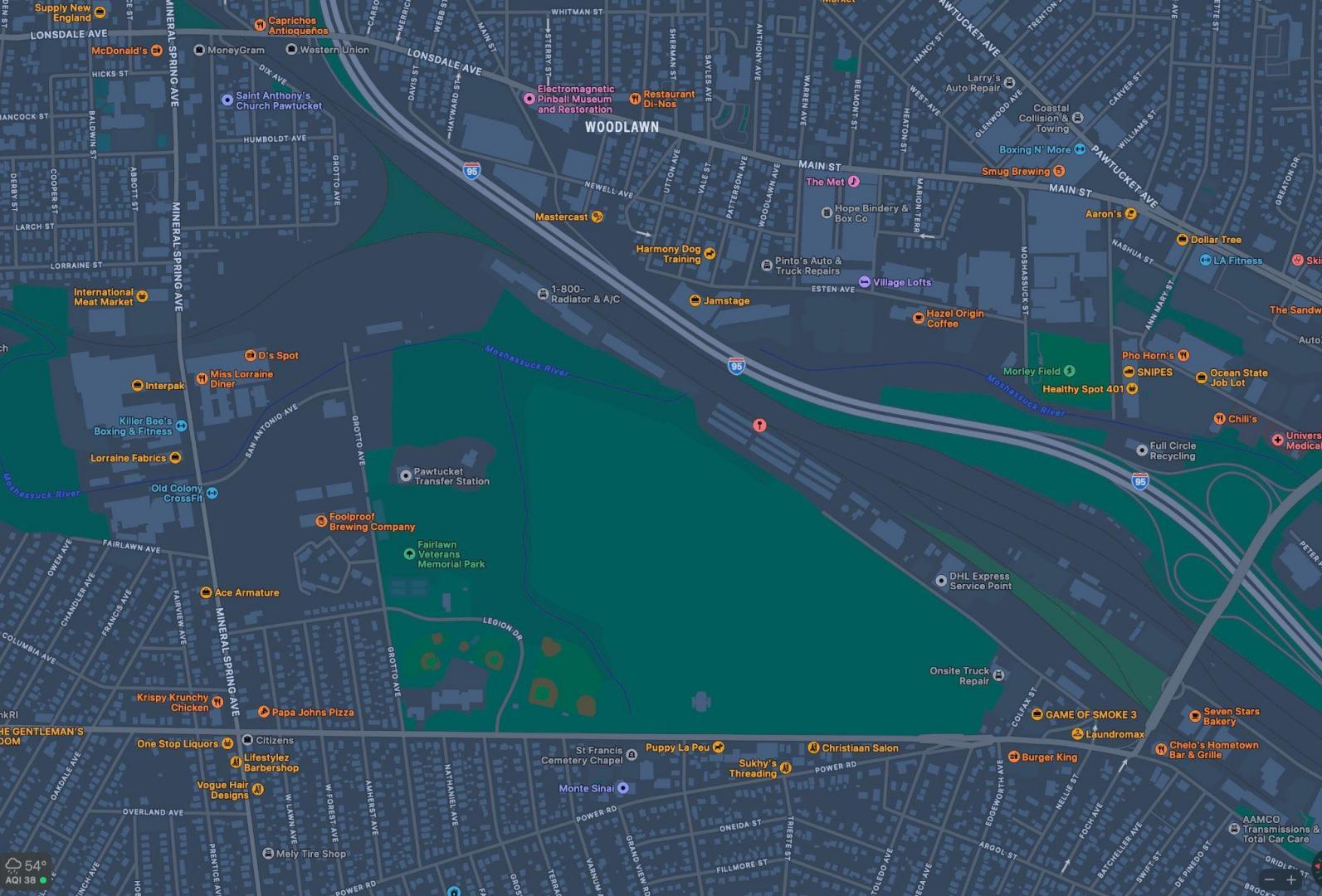


ritual sonification



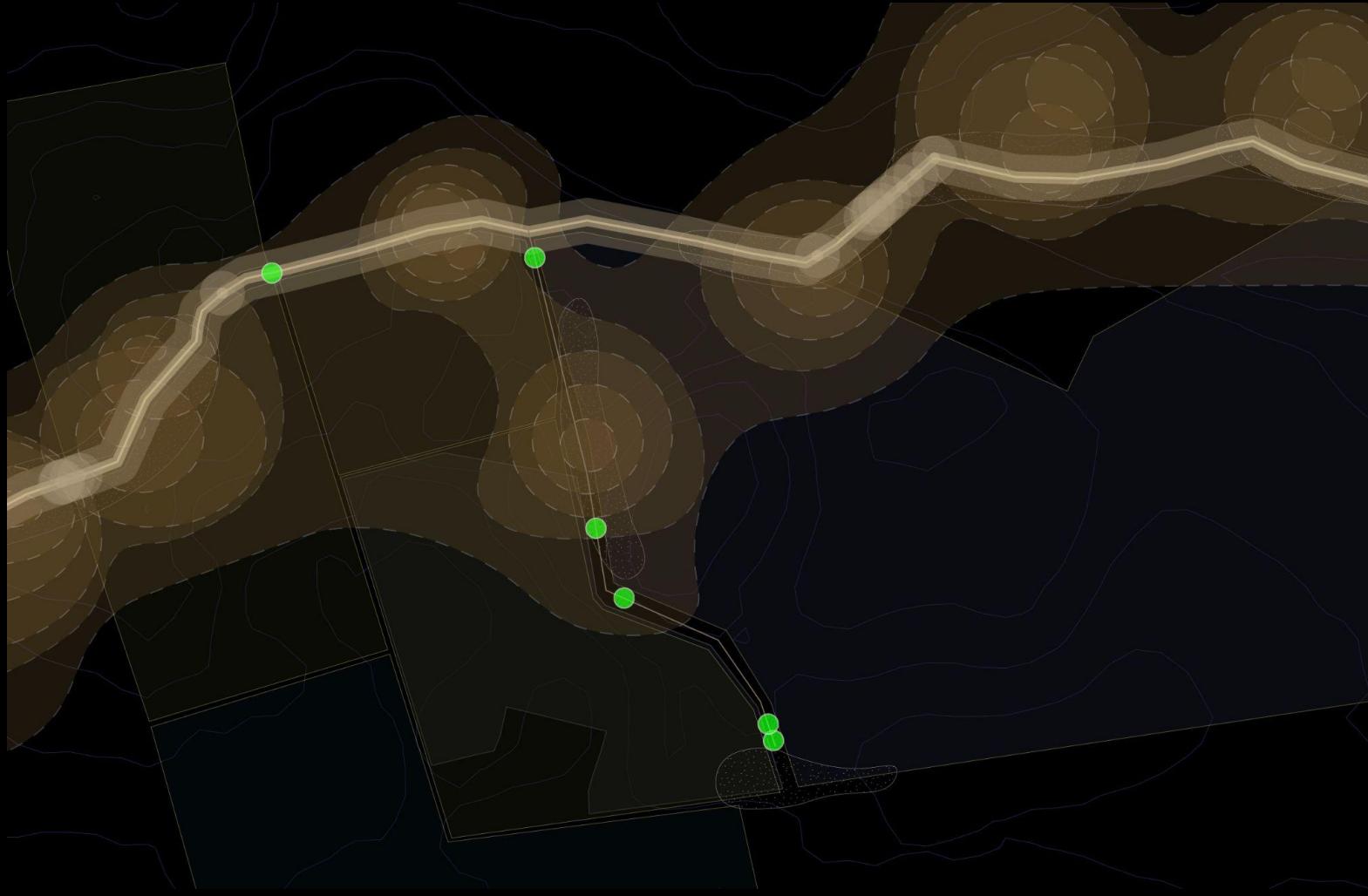
urban metabolism

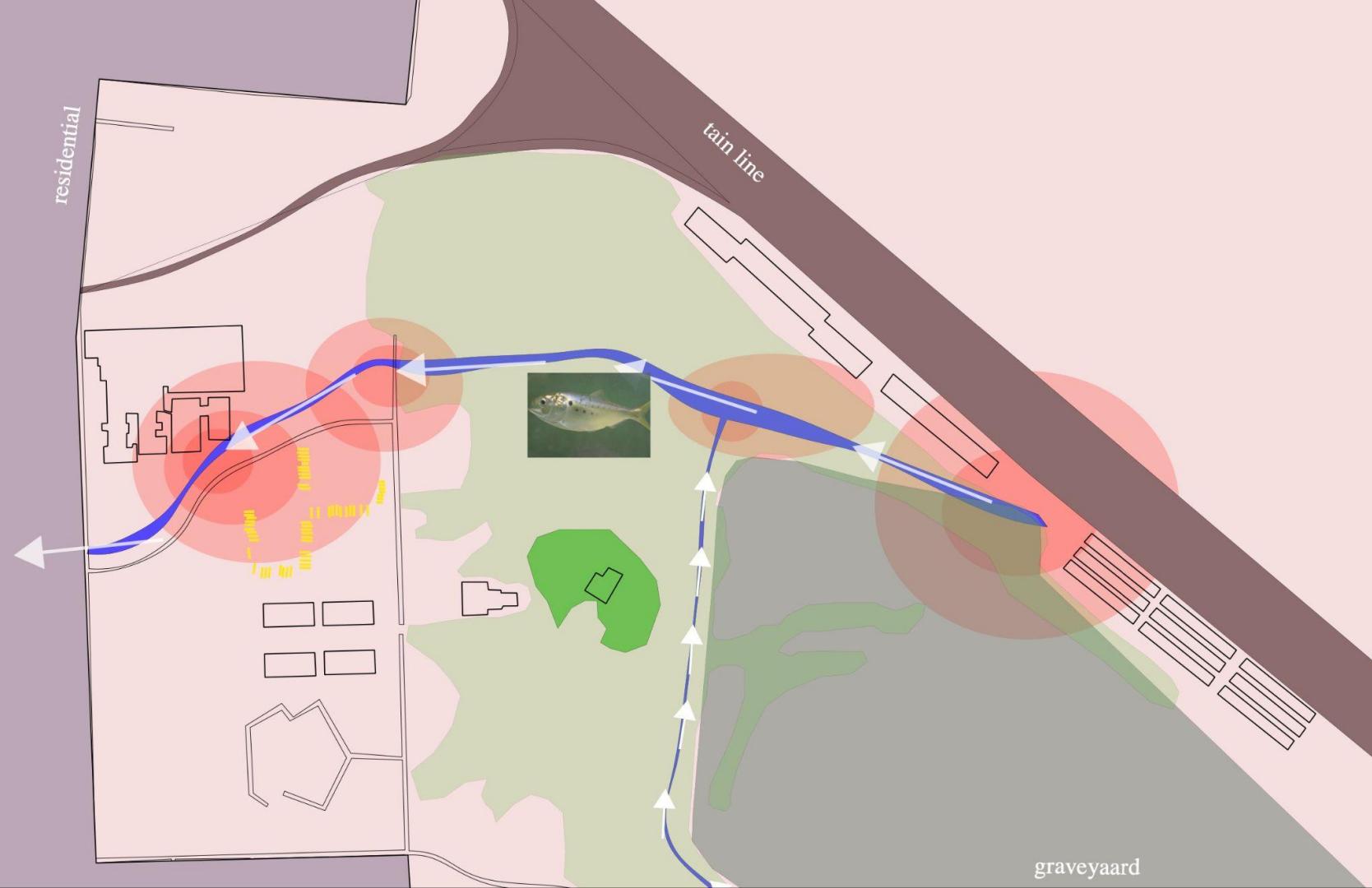






noise pollution  
quiet spaces  
field recordings  
pollution  
◀ river flow direction





graveyard







urban metabolism  
field notes 2025-02-23

3:30PM  
walking to the drain  
clear skies, warm out  
path  
field recordings  
impulse response  
mapping off above ground drain  
path  
i took many field recordings  
the first was two impulse  
responses at the beginning  
of the tunnel  
i set up the recorder on  
the grate that blocks the  
entrance to the tunnel and  
popped a balloon at the base  
of the grate.  
an impulse response lets you hear  
the sound of the echo of the tunnel  
its natural acoustics.  
i also spoke sentences from the  
harpoon song and a list of  
sentences used for experiments with  
audio. this shows the natural  
acoustics of my voice at the base  
of the tunnel.

the drain path away from the tunnel  
is surrounded by a baseball field  
several houses to the left and the  
cemetery on the right.  
i took 54 field recordings me--  
these were mostly impulse  
one at the base of water flowing  
from icicles on the left side of  
the brick path  
another half way down the baseball fi  
field of more flowing water, this  
time from a small river coming from  
somewhere at the end of the baseball  
field on the right side. after flowing from  
concrete (most likely newer than the  
cabinets path), connecting some  
other smaller drain path to the  
main one.

Another, walking along the path  
and looking down at the frozen ice under  
my feet.

The weather was slightly cloudy as i  
began to walk down the path.  
the water level in the path was low,  
but not completely dry, water flowed  
along the whole path, dried off towards  
the end and then became shallow and  
turned into mud and dirt,  
converging with dirt and mud next to  
the path.

towards the end of the path before i  
turned to push it became very quite  
the mud was filled with a lot of  
stems, which before i saw the map  
so my hypothesis is that it will  
converge back to either a river or some  
where the path ends the map.

We think the path led into the dirt  
right around where the path is adjas  
end to the pawtucket power station.

The only real threat to the river

seems to be the potential

runoff from the people people

visiting and leaving things behind,

or even the flowers,

and little things like

Is an outfall a tributary?  
water flows out ~~from~~ of the drain  
and into the river. the mush turn  
s into a river.

field notes 2025-02-16  
all saints drain  
built by the work projects administration from 1935-1940

cold  
low water level  
full of snow, ice ,leaves twigs  
channel built with bricks  
sun glistens along the narrow strip of ice, with unfrozen pockets underneath thin  
sheets, and apertures of light inbetween

surrounded by trees, reaching together over  
the scoop  
pawtucket, meaning "at the falls in the river" or "river falls"

much of it has lasted, but not all of it  
guarding the gate , a metal grate, there are concrete parts, repairs

the water flows out of the drain, not into the  
drain

one end is muddy swamp, the other is a river.  
to walk in drains, two strides on the left, and two on the right  
like a sine wave

#### ---The--hot-tub-pa--

The Dumpster Hot Tub Party  
shifting the program of the dumpster, a part of the infrastructure of waste and sewage  
, into a ritual experience , a community gathering and interaction with water, a  
public demonstration of the physics of water flow  
the water not being that hot presented it sort of as an endurance test , the more  
people that decided to make the plunge at once the more- warmer the water got  
reminding me of collective effort and ingenious ritual practices

a ritual that gives thanks to the land, through water flow and the body  
abstracting the architecture of the 30ft dumpster  
the flow of water, in terms of where it ends up ~~also~~ also  
water gives its life everywhere

The acoustics of the tunnel  
as the drain tunnel elongates the path for water in one direction to flow  
it does the same with sound, impulses elongate and echo and reverberate, transporting  
them further than they would have been otherwise  
the sound is also transformed by the end of its path, but the water is not/  
a metal pipe hit at one end of the tunnel will be loud and full  
but maybe by the other end, only certain resonant frequencies are heard  
or the quality of the sound is washed, not so sharp, less attack  
is this the way to transform infrastructure into a ritual  
noise into ambiance

The "moshassuk river"

Zoning laws for site



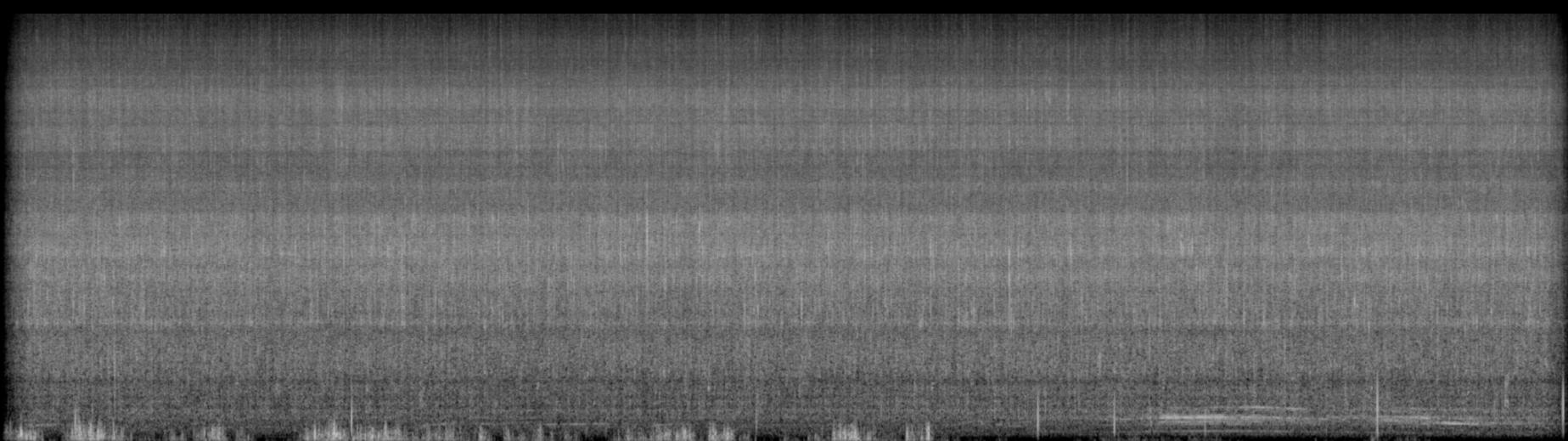
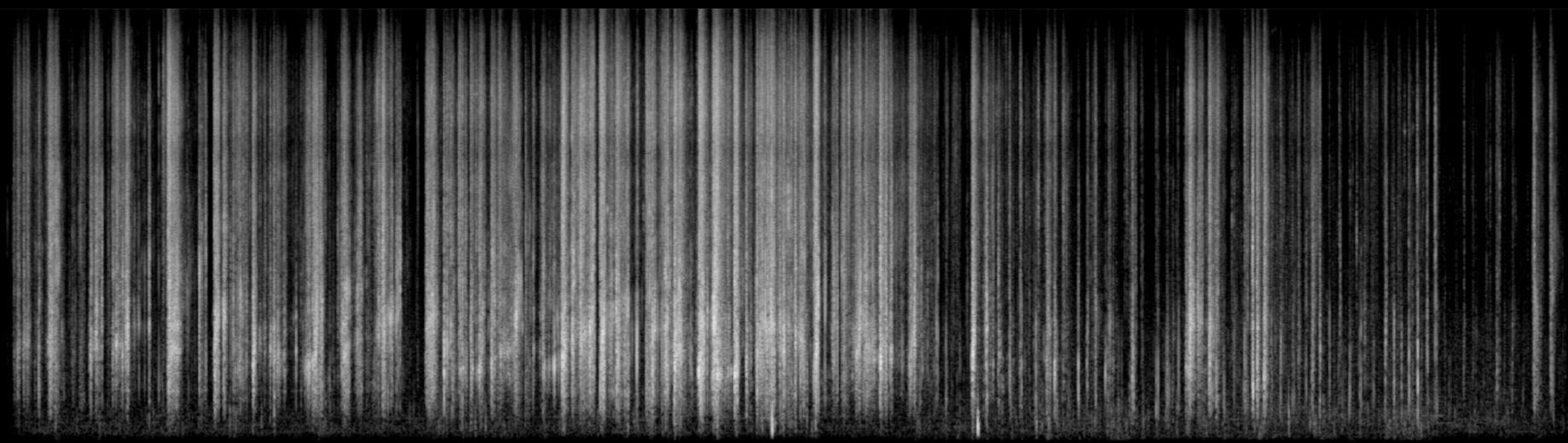




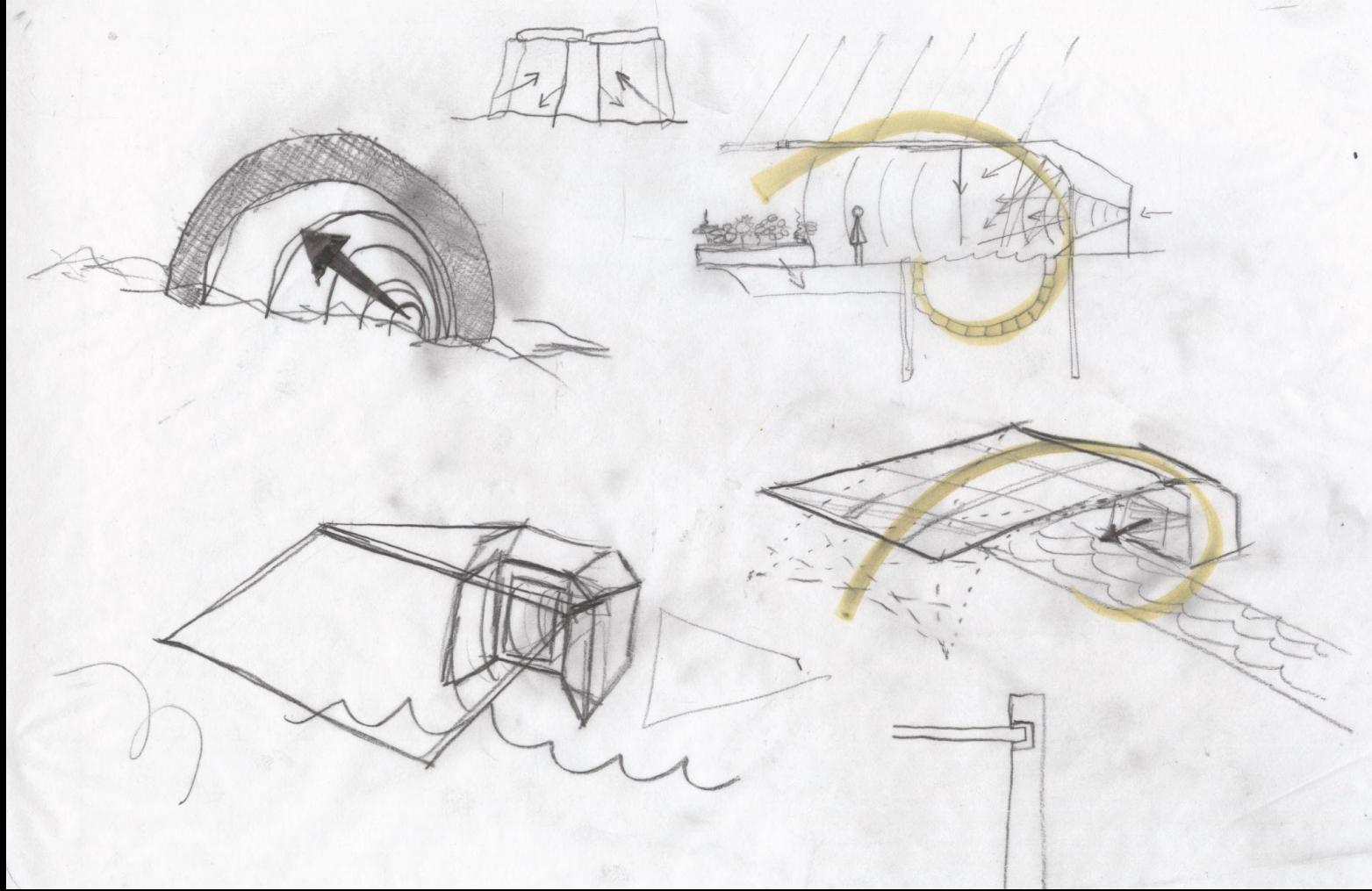


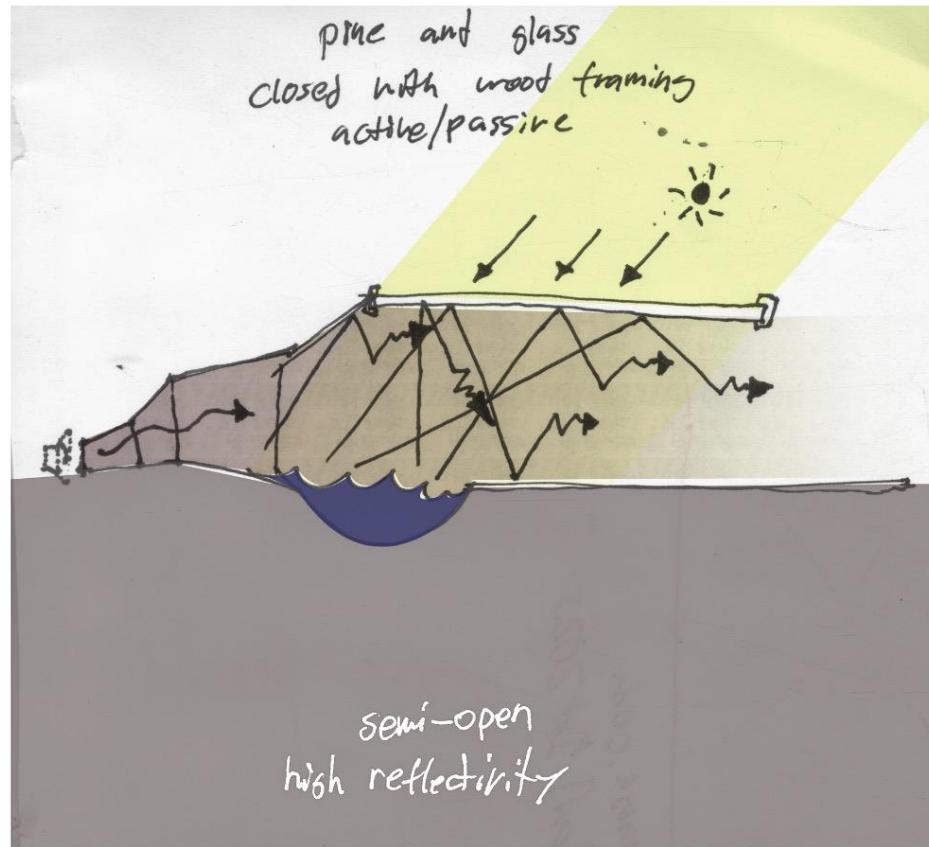






Amplification and the ritual of sound





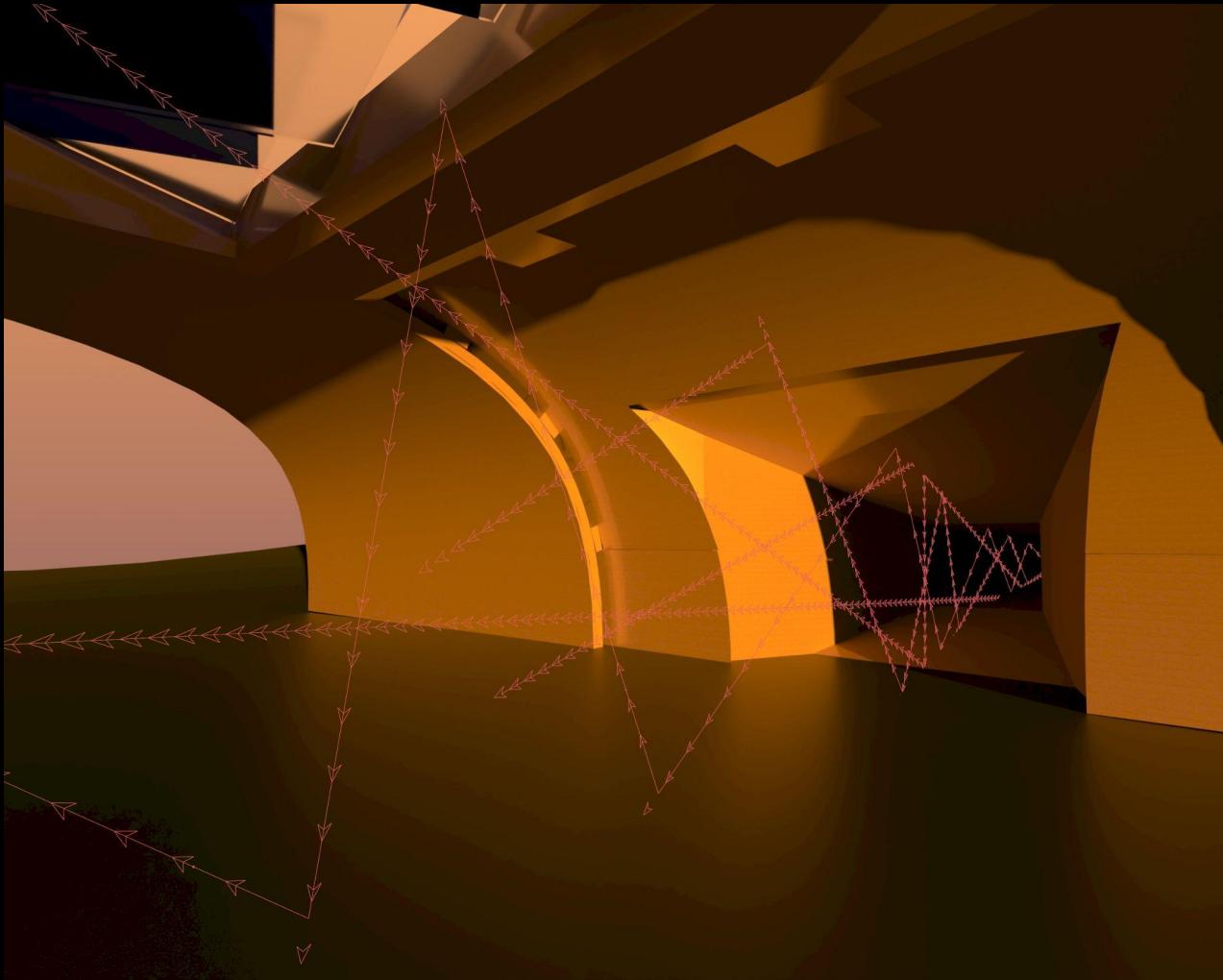
## Pine and Glass Closed with Wood Framing Active/Passive

This design utilized glass as a reflective material for sound. Sound will bounce in the space, actively from the speaker cone, or passively from the horn design embedded in the pavilion.

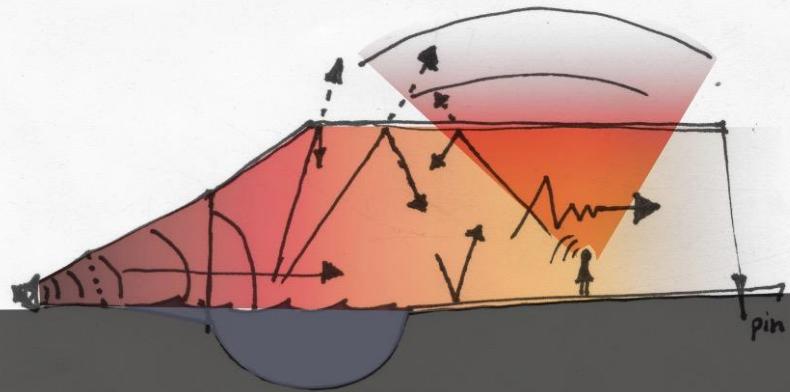
The lightweight wood framing provides structure to hold the horn and glass pane(s).

Glass NRC (Noise Reduction Level): 0.05  
Pine NRC: 0.3

Wood and Sheet Metal are the most reflective materials, I want reflective material for the horn, to amplify sound, so the horn will most likely be a hardwood or steel.



Solid pine  
open air wooden framing  
active

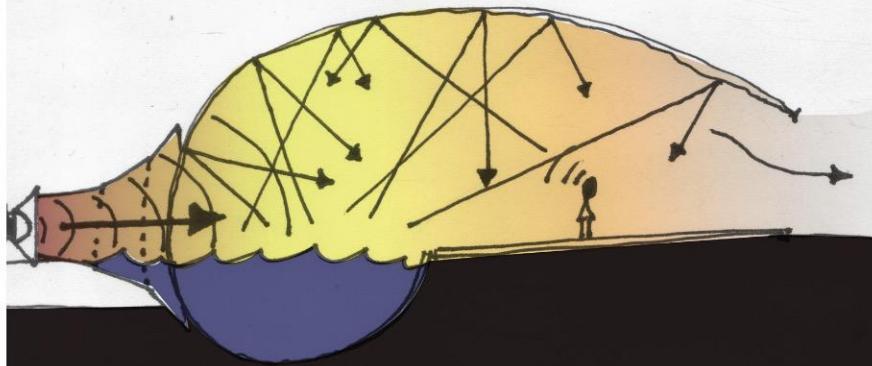


## Solid Pine Open-Air Wooden Framing Active Speaker

This design uses only the horn as the solid enclosed space, with the idea that the sound of the water is amplified into the framed space, but there is no reflective properties of the space. This can be an option for a program in the idea that the space is modular in that capacity. Maybe the wood framing holds a textile like reflare that is reflective, and can be places there during performances or ritual events. Whereas in other seasons or site conditions it is more helpful to be open.



7  
Solid oakwood  
full curve  
active



enclosed  
medium reflectivity

## Solid Oak Full Curve Active

This design utilizes the idea of a solid curved oak pavilion, that curves up from the end of the river onto the land, with a weighted hardwood underneath the horn. This design is for optimal deep listening. The sound of the water acoustically reflects off of the rounded oak walls to encapsulate the sound, this program is for ambient rituals such as yoga, meditation and listening. This design can be passive, with the horn amplifying the existing nature behind, or active using a speaker driver at the throat of the horn to amplify sound, but it is not necessary.







"Eat This Bread Drink This Wine" February 3, 2019



Furacão 2000, Brazil 2000

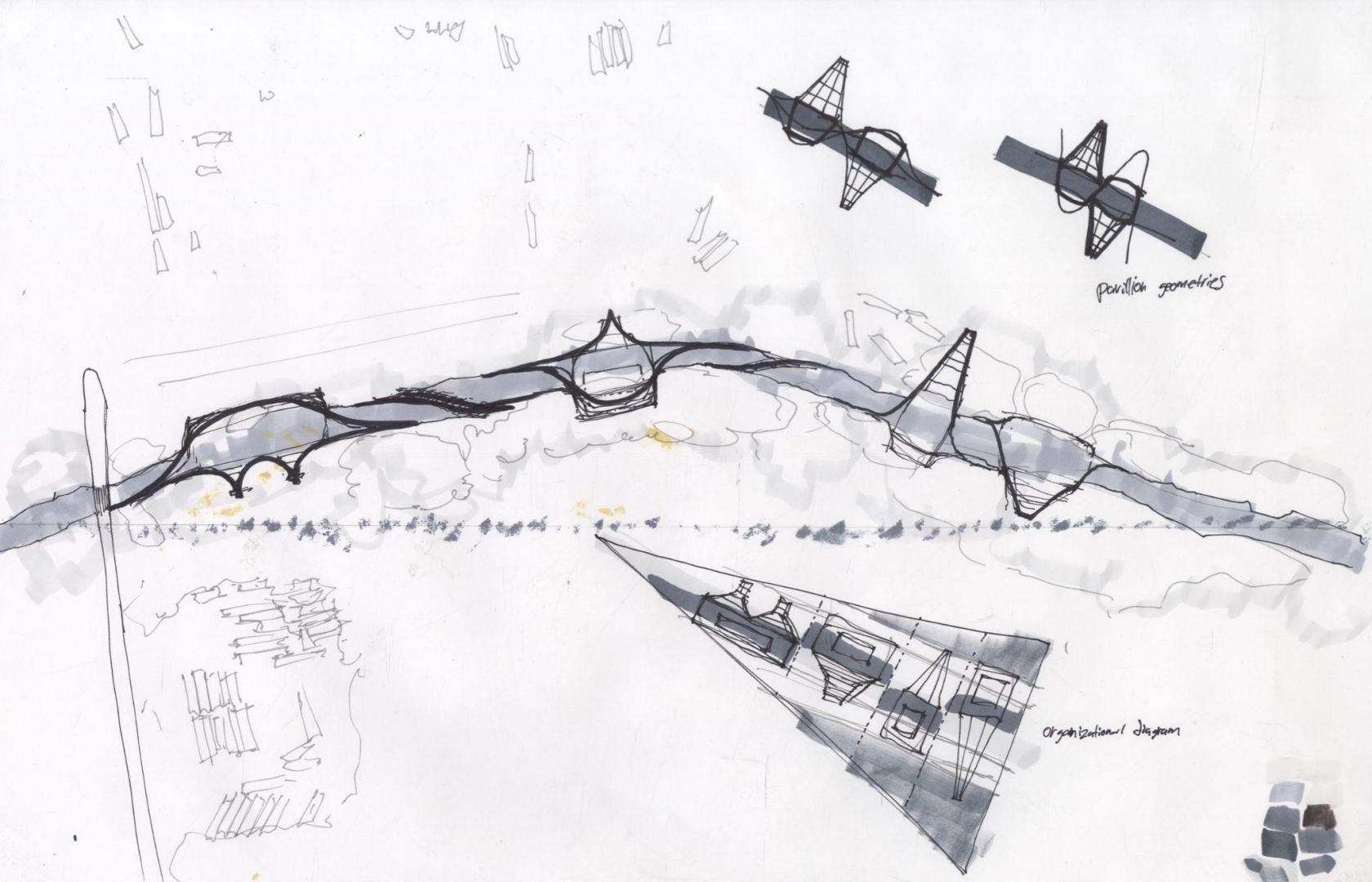
PAULINE OLIVEROS STUART DEMPSTER PANAIOTIS



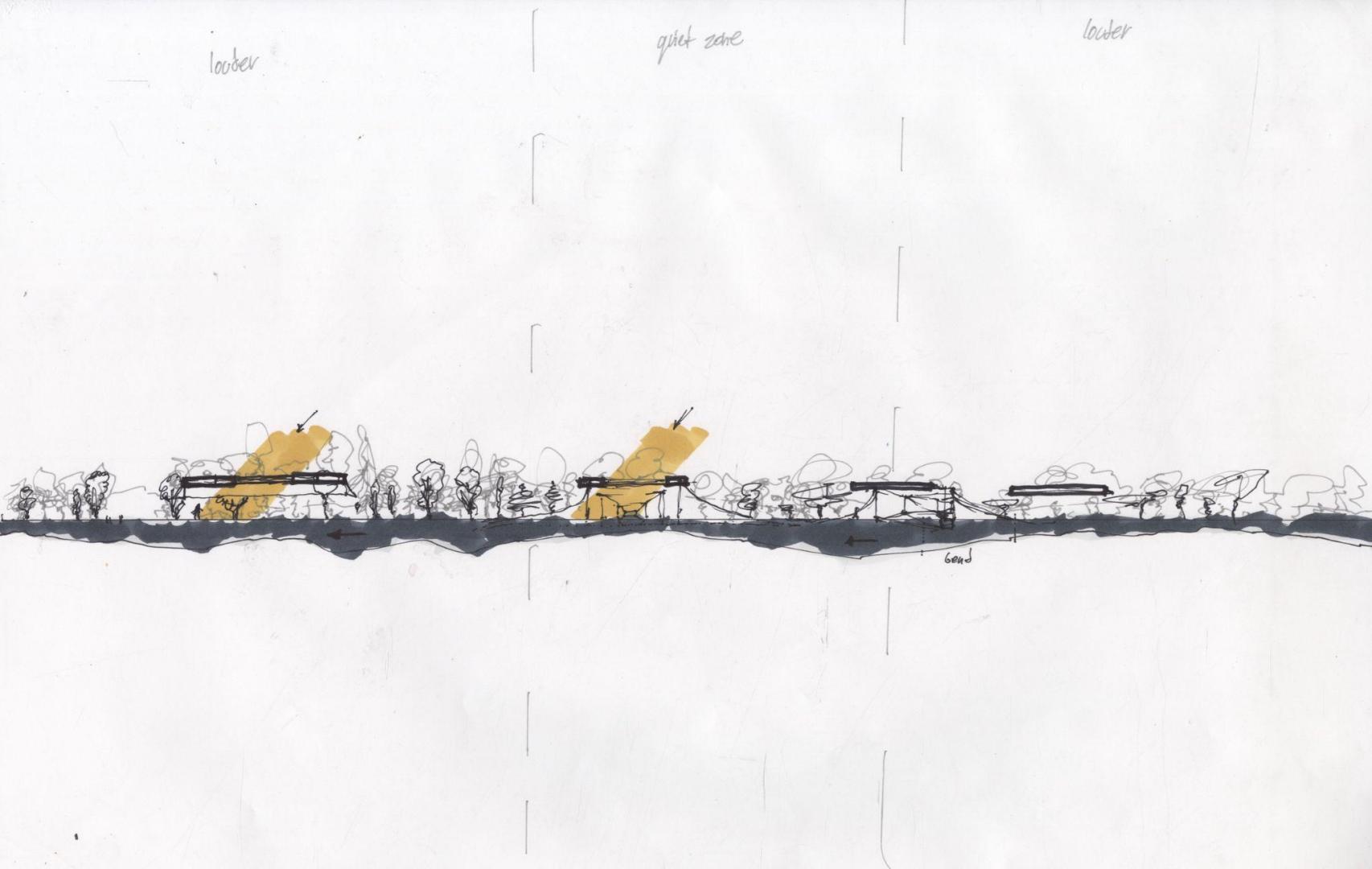
D E E P L I S T E N I N G

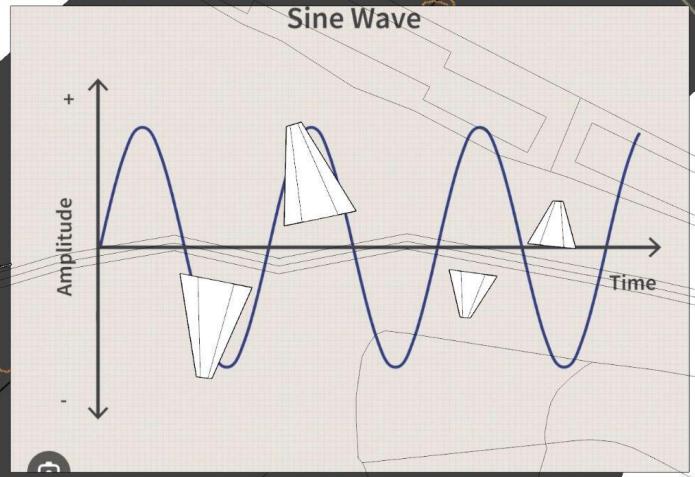


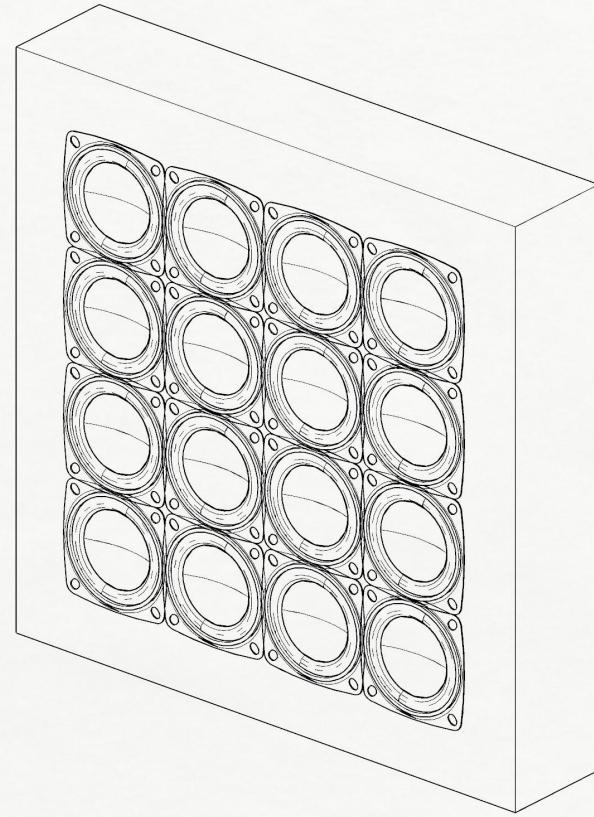
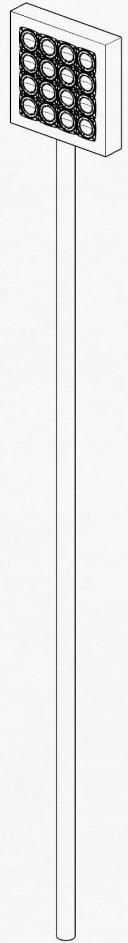
program



program









program

acoustics, life cycle, vegetation, conversation

