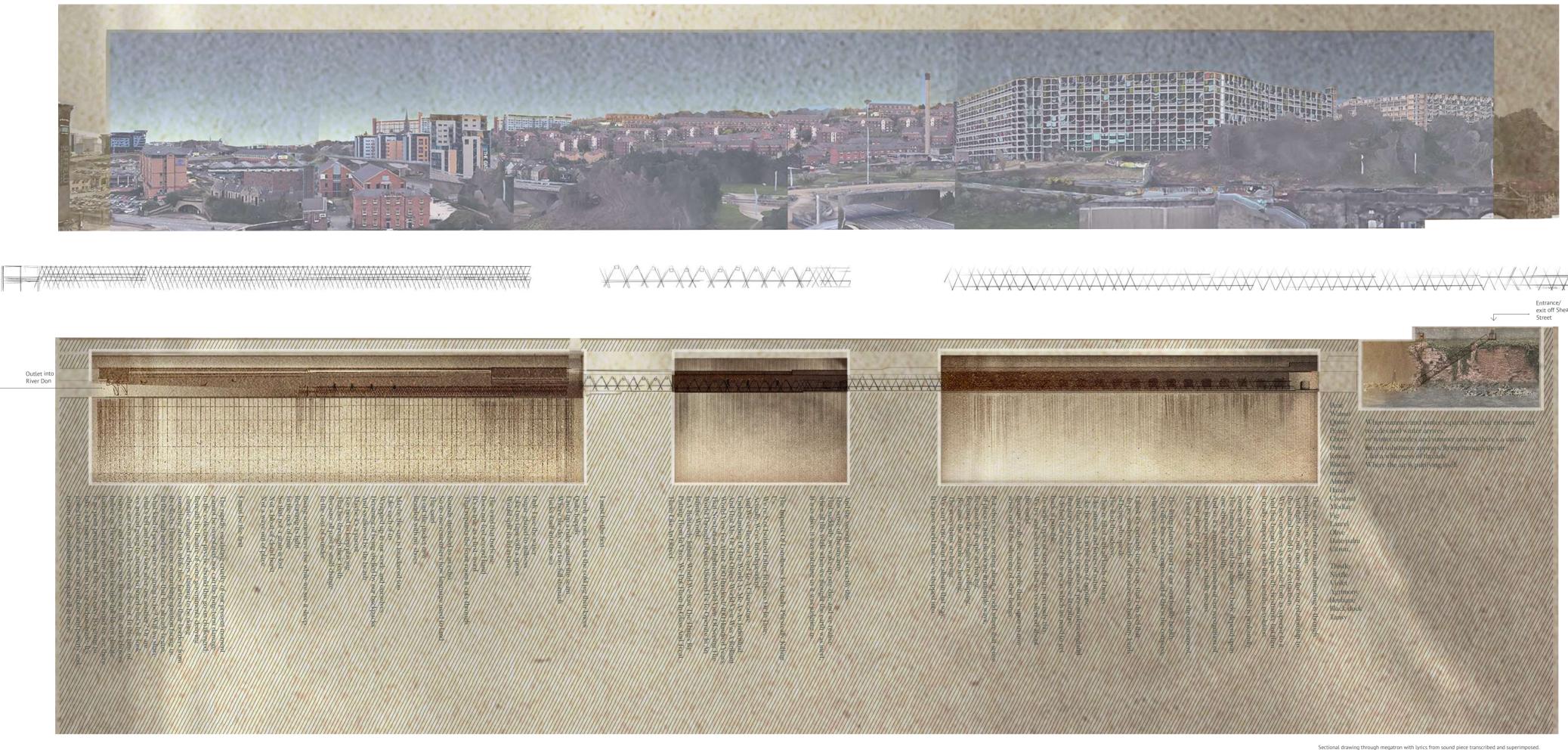
What lies beneath?



Climate change is the symptom of failure of our ability to govern ourselves.

What is 'sustainability' and what does it actually mean?

The traditional definition of the term describes the strengthening and maintenance of the natural balancing process called homeostasis.

How can a singular noun be used to illustrate such a complex and entangled process? What are we infact trying to sustain? Resources for human consumption and industry?

Author Timothy Morton makes the analogy that when trying to become ecologically aware, it's like being on a mobius strip - in an attempt to get over to the other side of the loop, you realise you are already there, but you have no idea of when or how it happened. The resulting epiphany is that there is no other side, the twist is infact all around. It dovetails into his ideas of hyperobjectivity and other analogies of entanglement and interrelation.

Through researching and developing this project, I found myself in numerous rabbit holes - in my very attempt to design in the most sustainable and least damaging way (through considering and reducing every evironmental risk factor possible) I was almost perpetuating the very problem I was seeking to solve by promoting this thesis of 'us' and 'them'.

Climate justice runs so much deeper than the materiality of our constructed world and this project is heavily inspired by the work of practitioners who seek to untangle these complexities.

"

CONCEPT

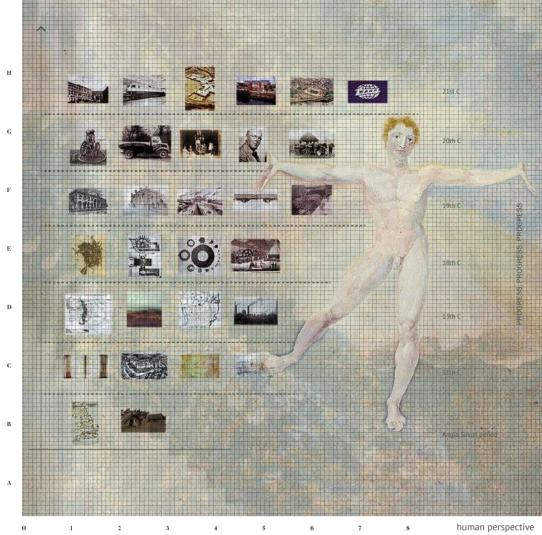
A multi-sensory, multi-dimensional experience journeying below the surface-level of Sheffield City centre into *what lies beneath* - a series of arched river culverts, known as the Megatron.

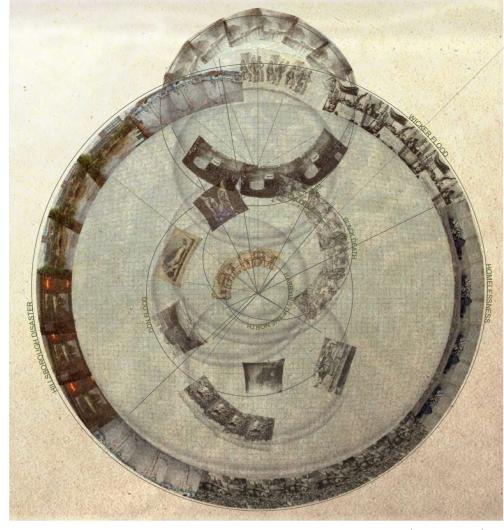
Born out of an interplay of ideas relating to the causes of disconnection between man and his environment it intends to evoke a deep transitional journey into the human psyche, providing portals of access to realisations and profound learnings of interrelation and interdependence.

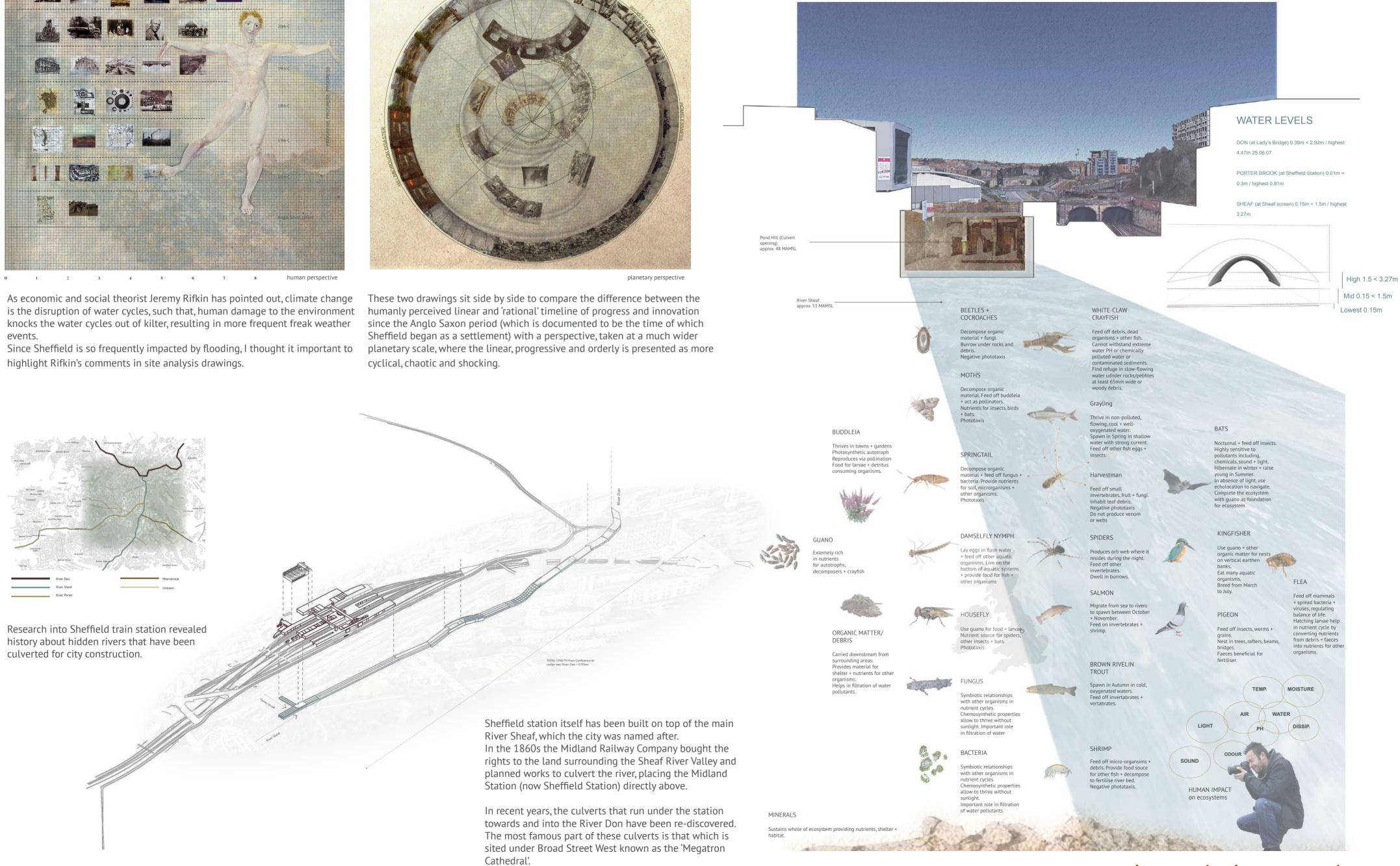




23' SOUNDPIECI



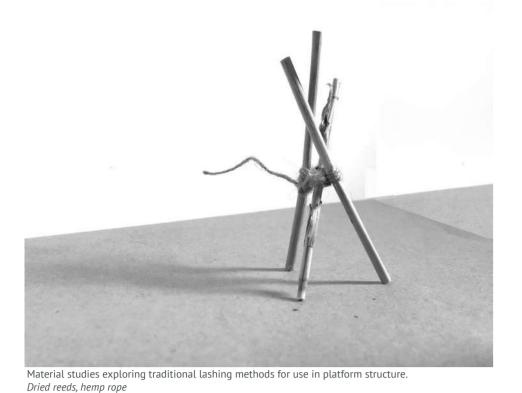




Research into the ecosystems of the culverts revealed the abundance of life present, that is able to thrive without natural light.

The designed intervention(s) had to be well-considered in order to respond to and co-exist with, rather than inhibit and control these ecosystems

site analysis + resarch



Concept collage of William Blake's Albion man entangled in mobius strip.



Material studies exploring traditional weaving methods for use in platform structure. Dried reeds, hemp rope, dried grasses.

Passing from daylight into the darkness, the actants become a part of the navigation system, with their subtly lit helmets guiding each other's footsteps as they tread along the makeshift wooden platforms that elevate them above the River Sheaf running below.

The sound piece provides a 23 minute, real-time sonic render - a montage of field recordings, rhythms and music, interspersed with vocal commentaries related to man and climate.

The structural and sonic interventions together create the physical conditions for a transcendence from the outer, material world, into the inner, immaterial world.

An array of emotions may be triggered, reaching the climatic point at the Megatron Cathedral, where a portal of natural light presents itself in the distance.

The sound piece gradually fades and allows the sounds of the present environment to return, permitting a slow reconnection with the material surroundings and preparing for the moment of resurgence.

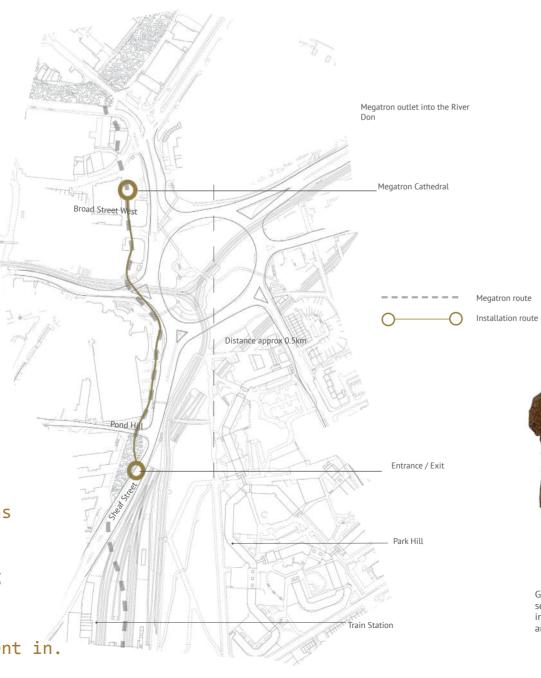
The actants are invited to make their own journey back the way they came with the natural light from the entrance highlighting the materiality of the spaces that perhaps were previously unseen.

Life is a series of mini resurrections [...] of collapses into the chaotic underworld; where you learn something profound and when you come back out,

you're more than you were when you went in.



Entanglement Dried reeds, grass and sticks weaved together with hemp rope.



Broad Street West.

The structure consists of 4 different interventions - 1, 2a, 2b and 3.

Intervention no.1 is the only structure that will be built for permanence, whilst the remaining three are variations on each other according to the structural specifications of the tunnels in which they are placed.

Inspiration has been taken from 'low-tech' practices like traditional weaving and rope lashing techniques that use completely nature-made materials that do not pollute the ecosystems in which they are sited within. The temporary structures only use reclaimed/upcycled and natural materials and avoid the use of resins, chemicals and any invasive construction techniques.

Invervention no.1 uses reclaimed/upcycled, yet resilient materials wherever possible and is built for functionality over complexity, blending into the hybridity of the city backdrop and aquatic ecosystem.

The conditions set for each intervention are as follows:

Permanent Access from street level down into culverts Considerate of fluctuating water levels Easily maintainable In-keeping with surrounding landscape

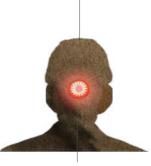
2a + 2b.

1.

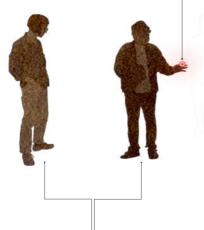
Temporary culverts)

The same for interventions 2a and 2b support

Adjustable safety hard hat suitable for climbing and construction.



Red LED light attached to back of helmet (Only source of artificial light).



Guides for the installation that set the pace for the duration, interspersing themselves amongst the group.

guide.

The proposed structure is a 0.5km long platform serving as an elevated pathway through the megatron, stretching from below Pond Hill, to the megatron 'cathedral' sited under

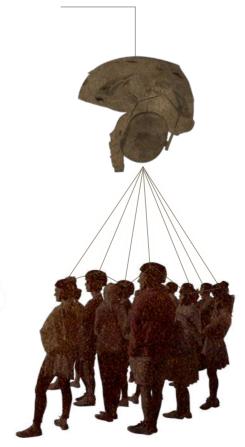
Reclaimed and resilient materials like corten steel and iron

Functional as a controlled access point down into the culverts

Easily transportable and buildable (in context of space available in

As sensitive to surrounding ecosystems as possible Safe and stable - consideration of wet/ very dark conditions No resins, chemicals or invasive construction practices. Built to co-exist with surrounding environment.

Consideration of higher water levels - use of water for boyancy and



Congruent with the eco-centric project philosophy, the noise and light pollution has been deeply considered, such that the sonically guiding sound piece will be played through in-built helmet headphones; and a small red LED light providing only an indicator of navigation, will act as a visible







Rendered visual showing Intervention 2b



Rendered visual showing Intervention 3

CONCEPT + PROPOSAL

