

Constructing Ecology in Anthropocene Spring 2022 Prof. Thomas Schaperkotter

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Walking, the sole of the foot and the earth briefly touches; Pausing, legs rooted in the soil. Lifting, falling, the alternating disruption and restoration of balance.

As one foot leaves the ground, the other waits for its return. In the abeyance of walking, we know the road under our feet is both an exile and home-coming.



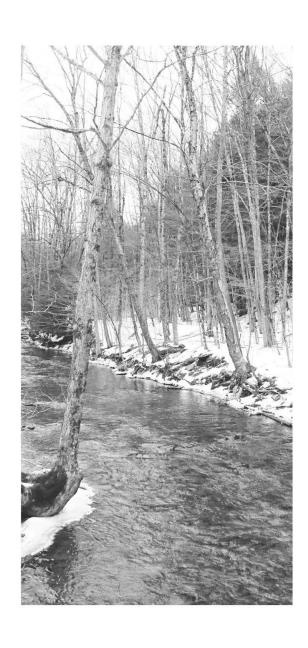


In the accumulation of each small step, we come a long way.

We measure the earth by the toil of our bodies.

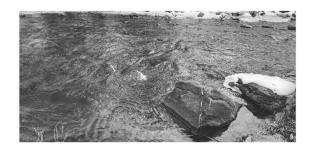
In walking, we bear witness to the power of small, incremental change.







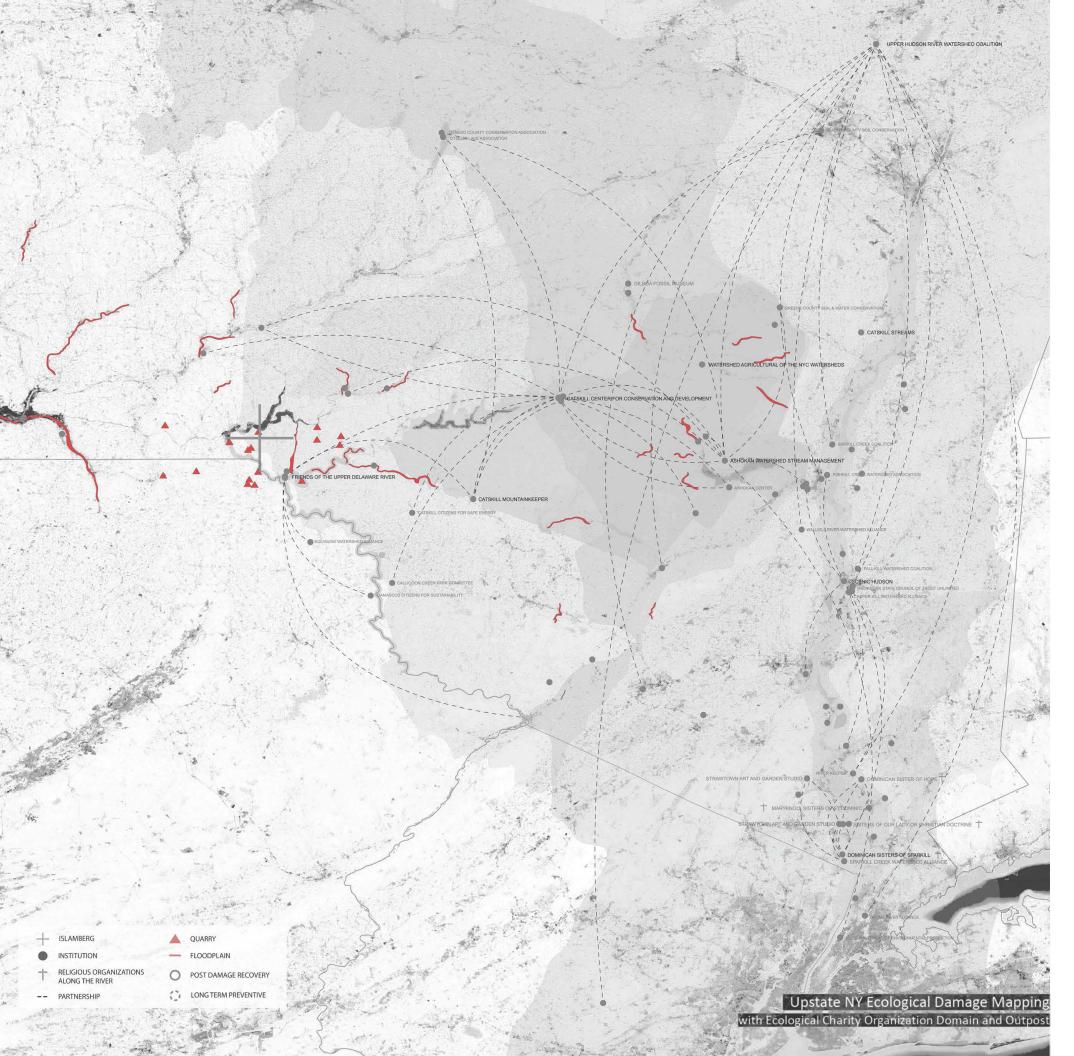




The boundaries between here and there are dissolved, Whose experiences are they?
Are they mine or the place I was a part of?

We become attuned to our surroundings, and our surroundings become part of us. Take care to notice its ebbs and flows.

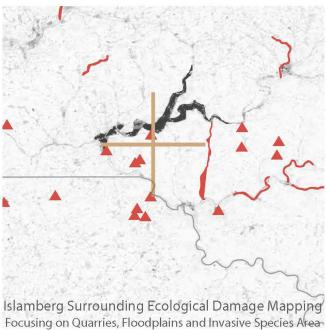
And start to feel the little differences in the soles of our feet.

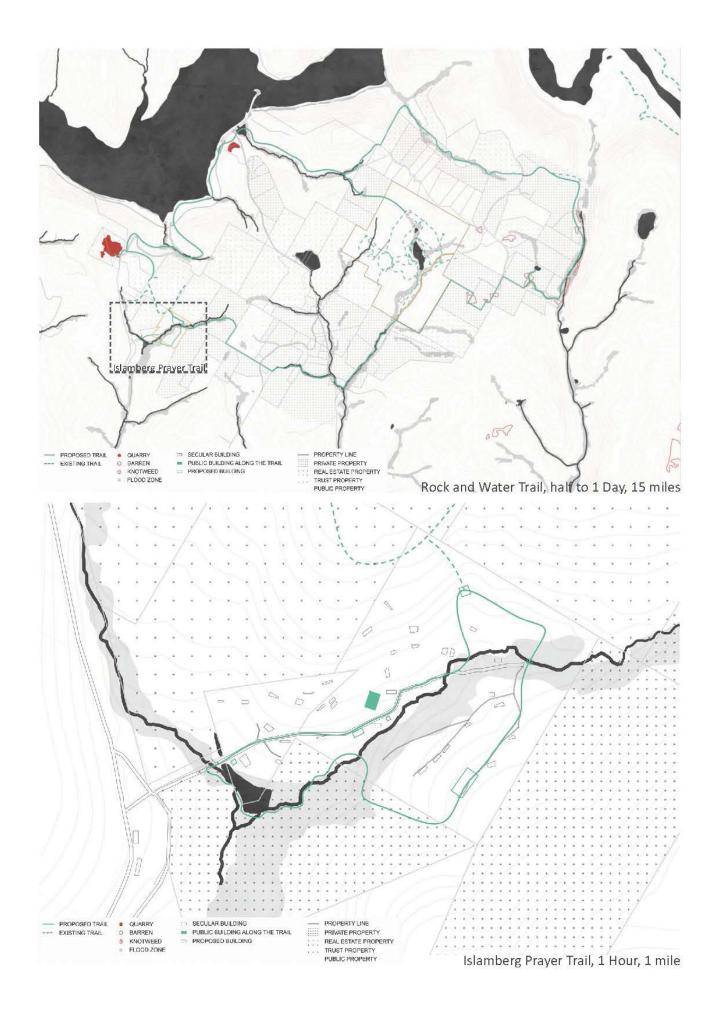


The community of Islamberg in partnership with Friends of the Upper Delaware River will work to create a network of trails in the region around Islamberg in Upstate NY. The trails will unfold into the surrounding countryside, seeking a constellation of focal points for ecological restoration, such as quarry sites, floodplains, barren areas, invasive species ridden areas. The architectural intervention is together with the ecological restoration, where the solution for ecological damages will be further transformed into areas that provide positive experiential qualities such as outlooks, hospitalities, bathing areas, and contemplative spiritual spaces.

Walking on the trails, one repairs damages from a quarry, restores the riparian buffer along flood zones which forms a historical connection between practice of pilgrimmage and the locality surrounding Islamberg, and enables the reintegration of religious practices into the surrounding ecology of the region.

Embedded with repetitive and seasonal practices, the trails will seek to create the groundwork for both environmental and human spiritual flourishing.





By wayfaring from one point to the next, the pilgrims take part in the act of Trailmaking. The trailscape becomes the practice of conservation of the land, a ritual in itself, bridging the contemporary nature-religion divide.

The sanctity of the trailscape arises through an **incremental** and long term approach to developing a symbiotic relationship between the pilgrims and the natural environment. The processes of wayfaring from one location to the next and creating paths which contain additional meaning derived from the acts of healing that take place along the way creates the foundation for the spiritual dimension of the pilgrimage. The trailscape fosters a mutually beneficial relationship between the users of the network of trails and the natural environment that the trailscape is situated within.

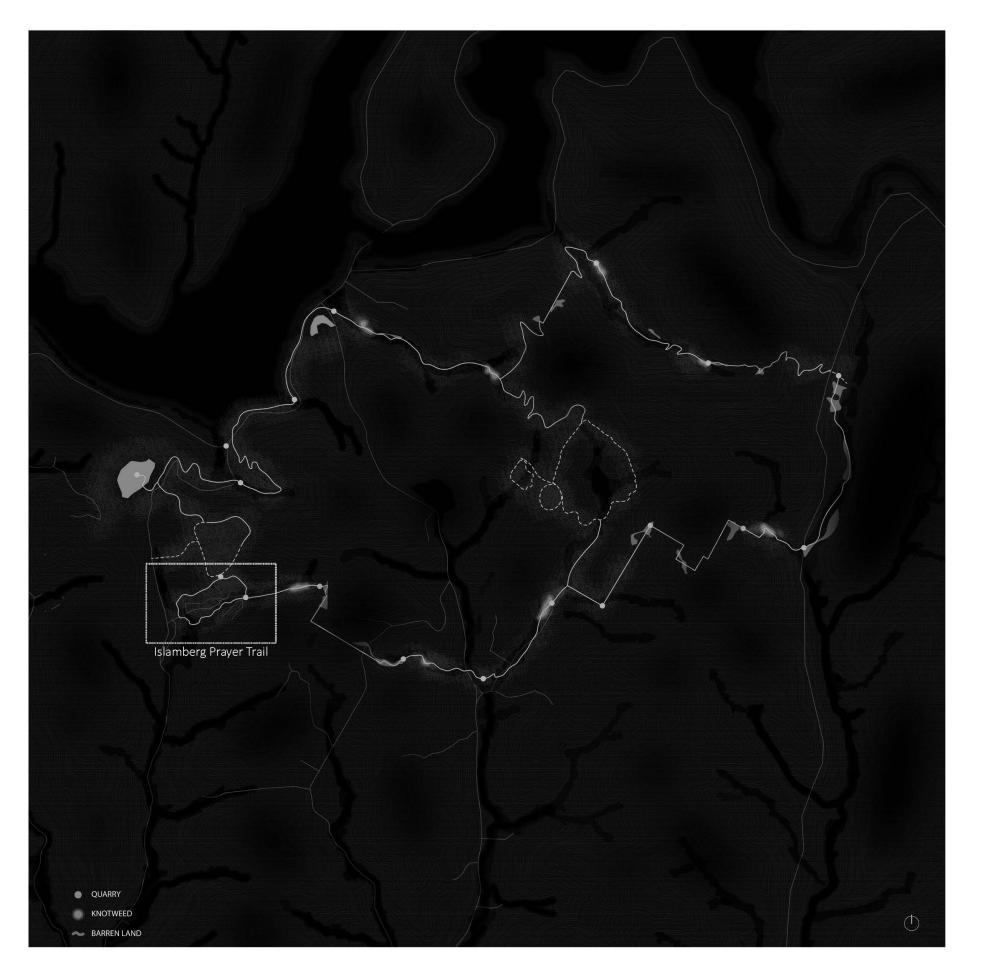
The network contains trails that vary by time frame. The first and smallest is that which immediately surrounds Islamberg for local residents and is traversable in about an hour. The second takes from five to ten hours to travel and stretches from the quarry near the Cannonsville Reservoir to the flood zone adjacent to Cadosia Creek. The third and longest links the aforementioned trails to an existing set of trail networks in the region, and is intended to be multi-day journey.

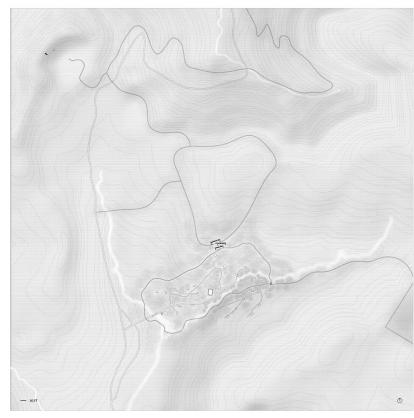




Each hiker/pilgrim carries one stone (waste from quarry) along the trail to repair the watershed

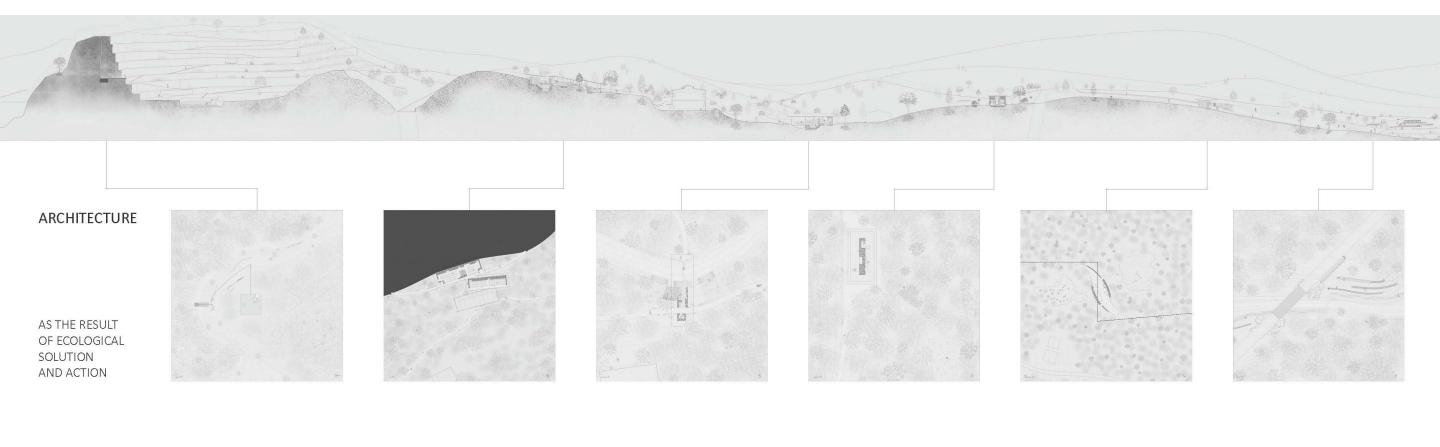






Right: Islamberg Prayer Trail, 1 hour, 1 mile Left: Rock and Water Trail, 1 day, 12 miles

**ECOLOGICAL QUARRY EROSION** FLOODED AREA PROPERTY LINE **INVASIVE SPECIES** ROAD CREEK CROSSING DAMAGE / SITE ISSUE CONDITION **ECOLOGICAL** SOLUTION + ACTION **SLOW** cut and dehydrate knotweed from replace the culvert with bridge; through Easements and Right-ofpick up small rock from quarry waste, put rock into the gabion wall that put rock into the gabion wall as overgrown, dried knotweed then plant seedling on the eroded Way, linear gabion walls become where rock waste can account for 60mitigates the erosion; grow and foundation at the sharp turn of INCREMENTAL 90% of the whole excavation activity plant the seedlings in the nursery used as architectural materials, inhabitable and shared at certain ground at the triangular area of the creek to mitigate the flood **PROCESS** constituted of gabion walls such as screens times for hikers and land owners the road-creek crossing



**BATHHOUSE** 

**KNOTWEED SHRINE** 

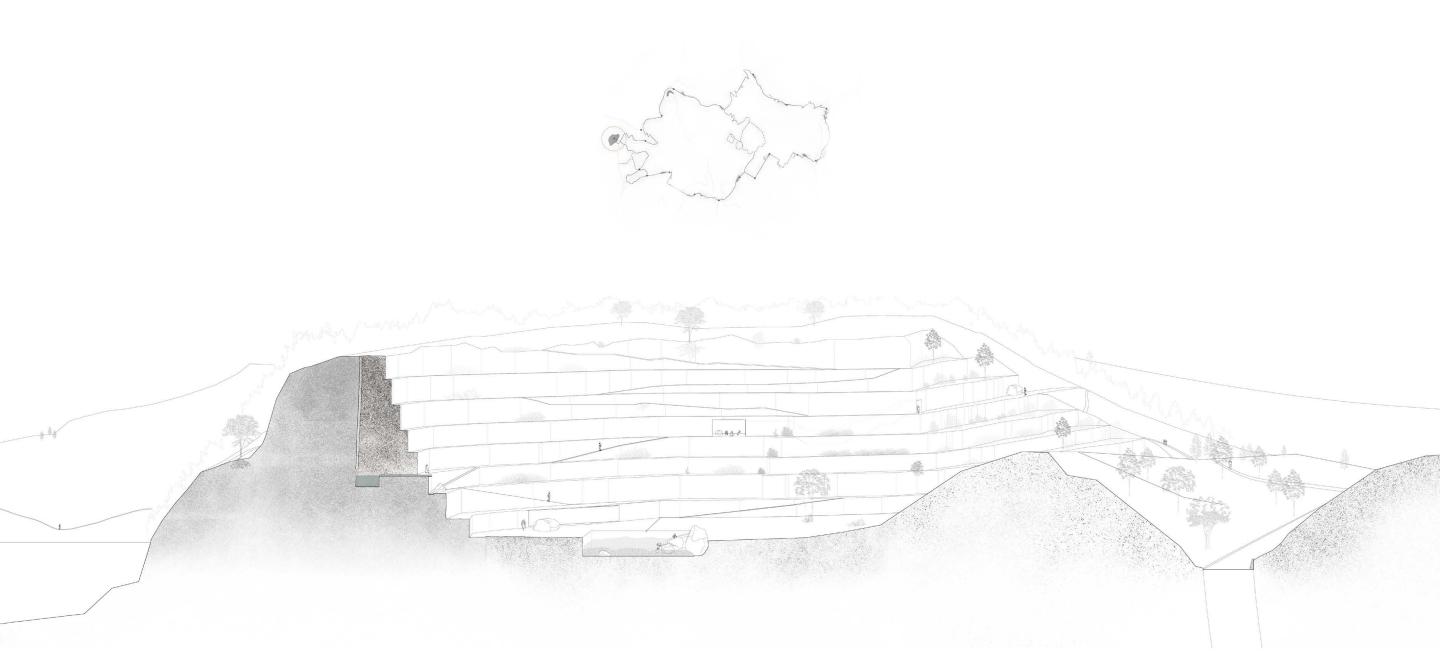
SHARED LINE

**REST AREA** 

**PROGRAM** 

SHRINE IN ROCK

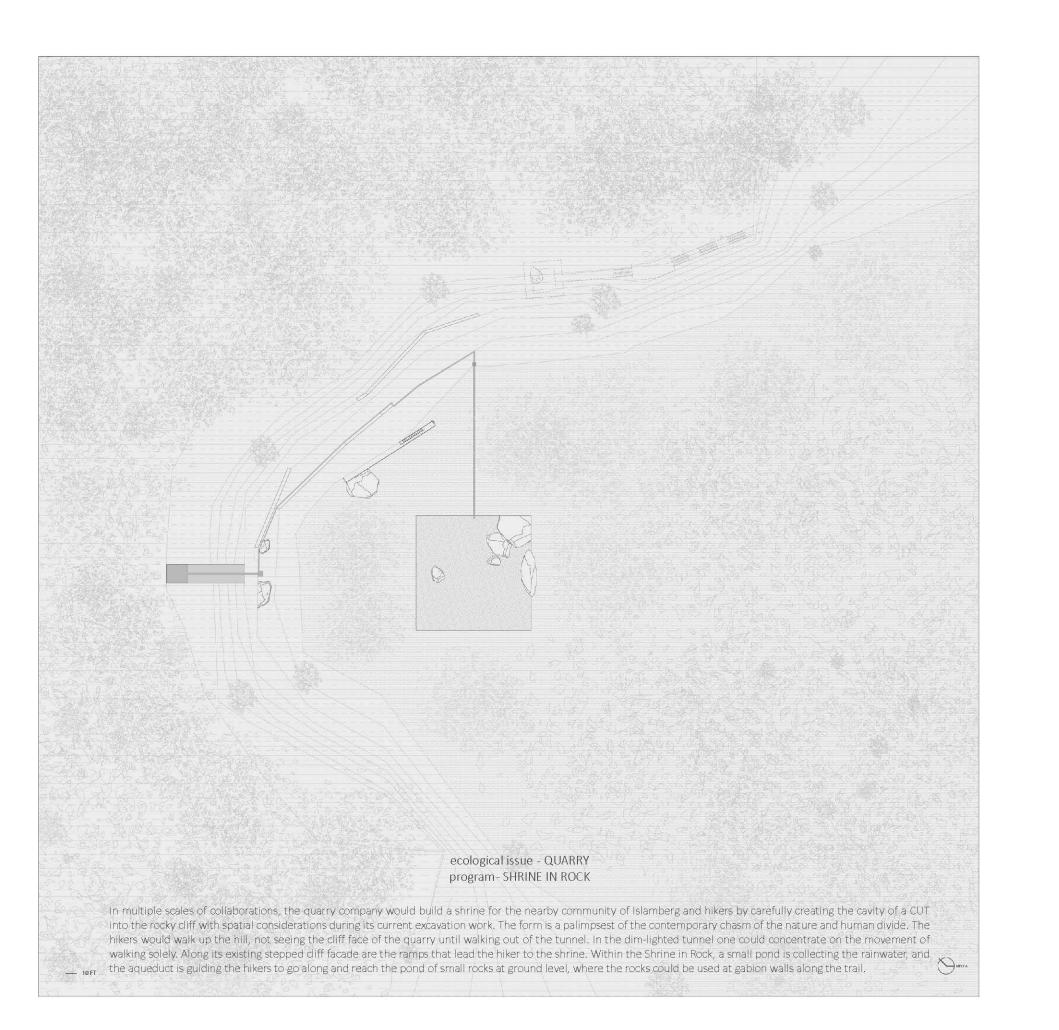
NURSERY



## Rock and Water Trail

4-10 hours 15 miles Quarry - Shrine In Rock

The trajectory of the trail is continued to be determined by the ecological issues and site condition along the way, this particular quarry is still functioning, yet quarry has a limited life. Among all materials extracted in a quarry, waste can account for 60% - 90%. These small rocks, one could see as piles of quarry waste (60-90%), or as valuable reusable material, that could be used for the gabion walls. In a volunteering mechanism, the hikers who enjoyed the tranquility in Shrine in Rock are encouraged to carry a small rock along the trail to the gabion wall ecological infrastructures / architectural interventions. Islamberg community would help with the nursery for revegetation of the quarry after it eventually achieves its lifespan.



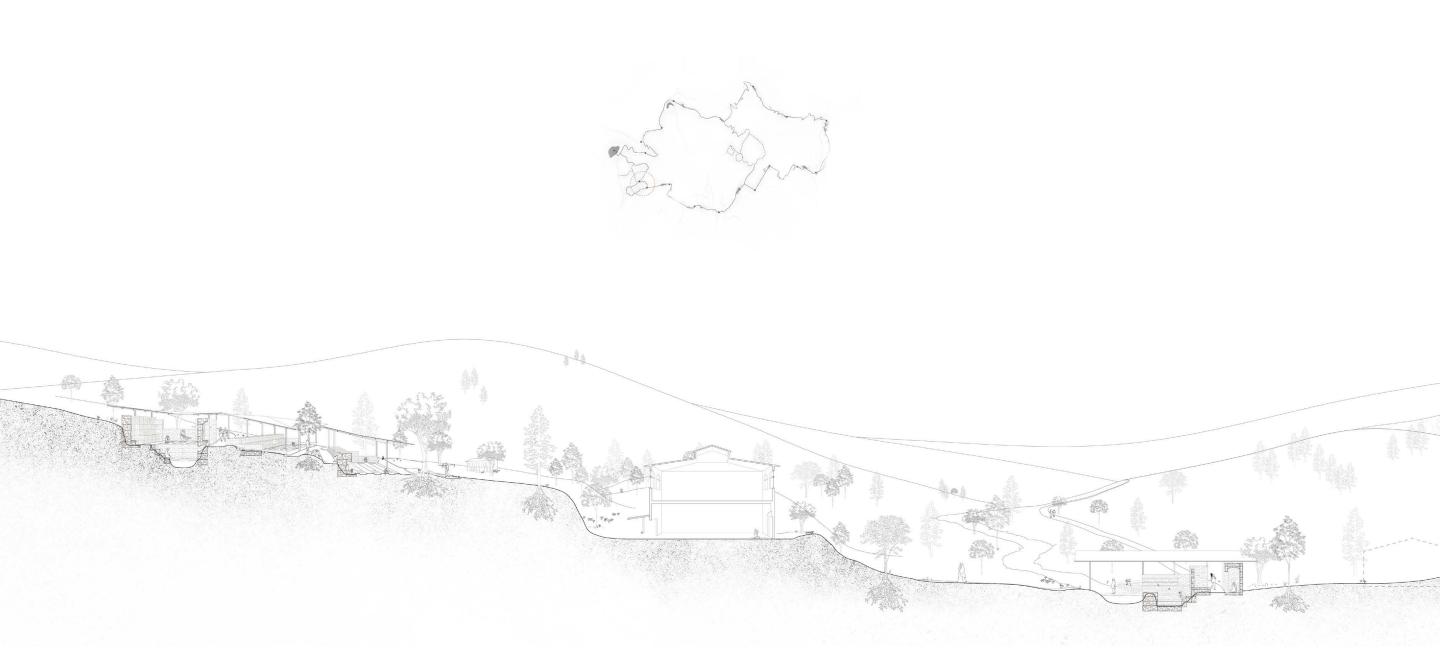






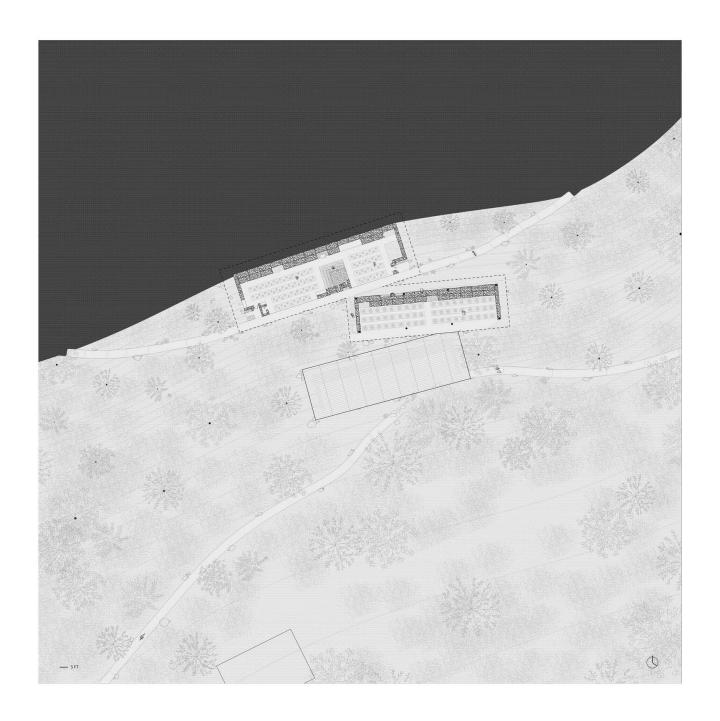
Each hiker/pilgrim carries one stone (waste along the trail to repair the watershed Slow but incremental process

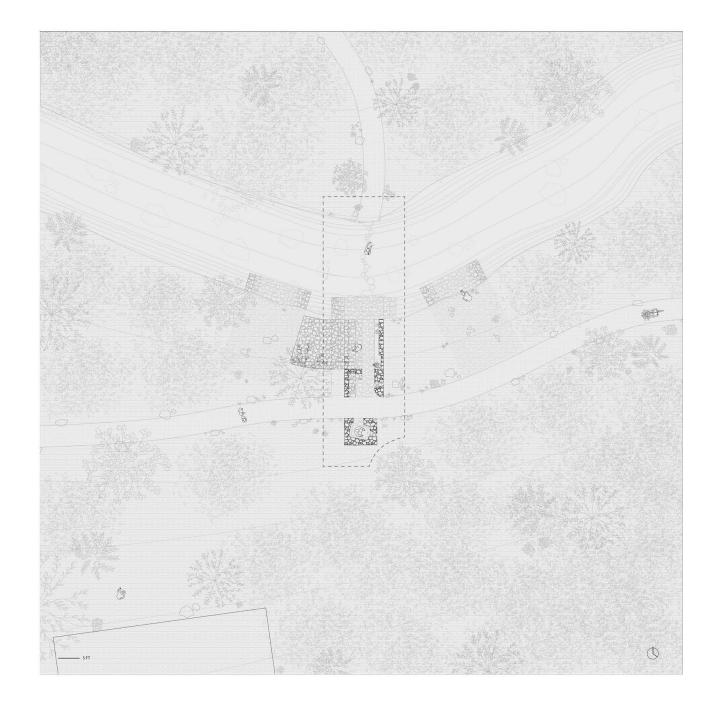




## Prayer Trail 1 hour, 1 mile

The Islamberg Trail is an 1 hour prayer loop centered around the existing mosque in the village, enriching the religious life of Islamberg. Nursery, and bathhouse together with the mosque would enrich the religious life of Islamberg by creating spaces for spiritual ritual. The first stop that hikers could help with building is the gabion wall in the nursery to solve the erosion at the tangent intersection between *Prayer Trail* and *Rock and Water Trail*. The trail continues by following the creek that passes through Islamberg, where a bathhouse with gabion wall groin is located at the turn of the creek where flood is a concern in 50 years.



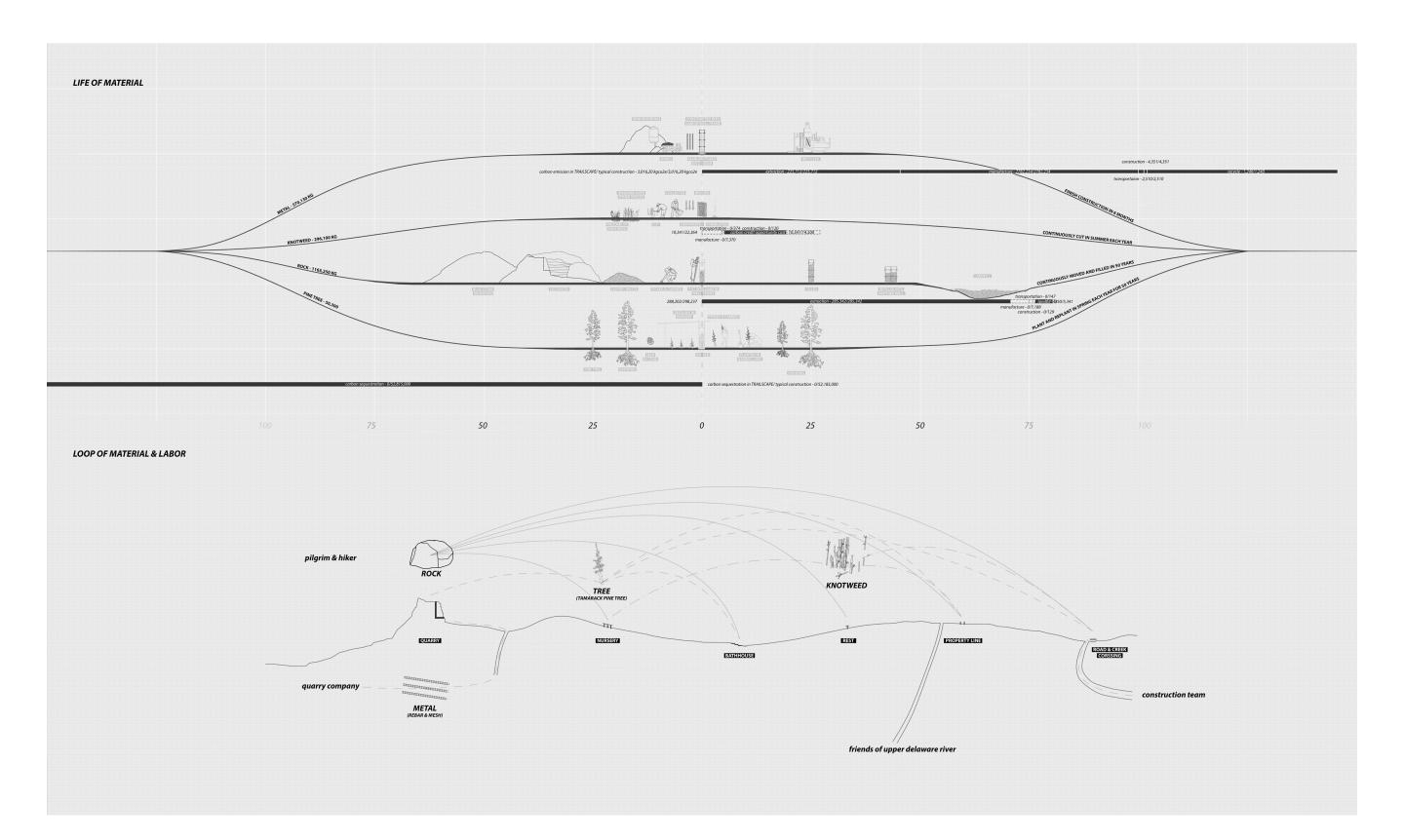


ecological issue - EROSION program- NURSERY

The hikers carry the stone waste from the quarry along the trail, and fill up the pre-installed rebar boxes, the gabion wall could strengthen the ground and mitigate the erosion. These gabion walls together will enclose space for the nursery. The seeds will be planted in September, grow over 18 months, taken care of by the Islamberg community, and then ready to be moved by the hikers to the barren land. Within the gabion walls that mitigates the erosion and encloses the nursery, inhabitable spaces for pray, rest, storage, etc. are made with the malleable meshes of the wall.

ecological issue - FLOOD program- BATHHOUSE

As the creek meanders and will move forward at those meander points, houses next to those points will face the danger of flood within 50 years. To prevent that, groins are installed at the weak points to strengthen the river bank and limit the movement of the creek by intruding in the river, perpendicular to the river bank. The insertion of the framework into the bank will be done by the construction team and later be filled up by hikers and Islamberg people with rock from the quarry. The stepped ground allows the water to flow into the bathhouse and form a basin where people could have rest or ritual of ablution.









Walking on the trail, one carries a rock from the quarry waste to gabion walls along the flood zone to repair the ecological damage, while creating a spiritual bathing house. By wayfaring from one point to the next, the pilgrims take part in the act of Trailmaking, and the act of Healing.

The trailscape becomes the practice of conservation of the land, a ritual in itself.

