

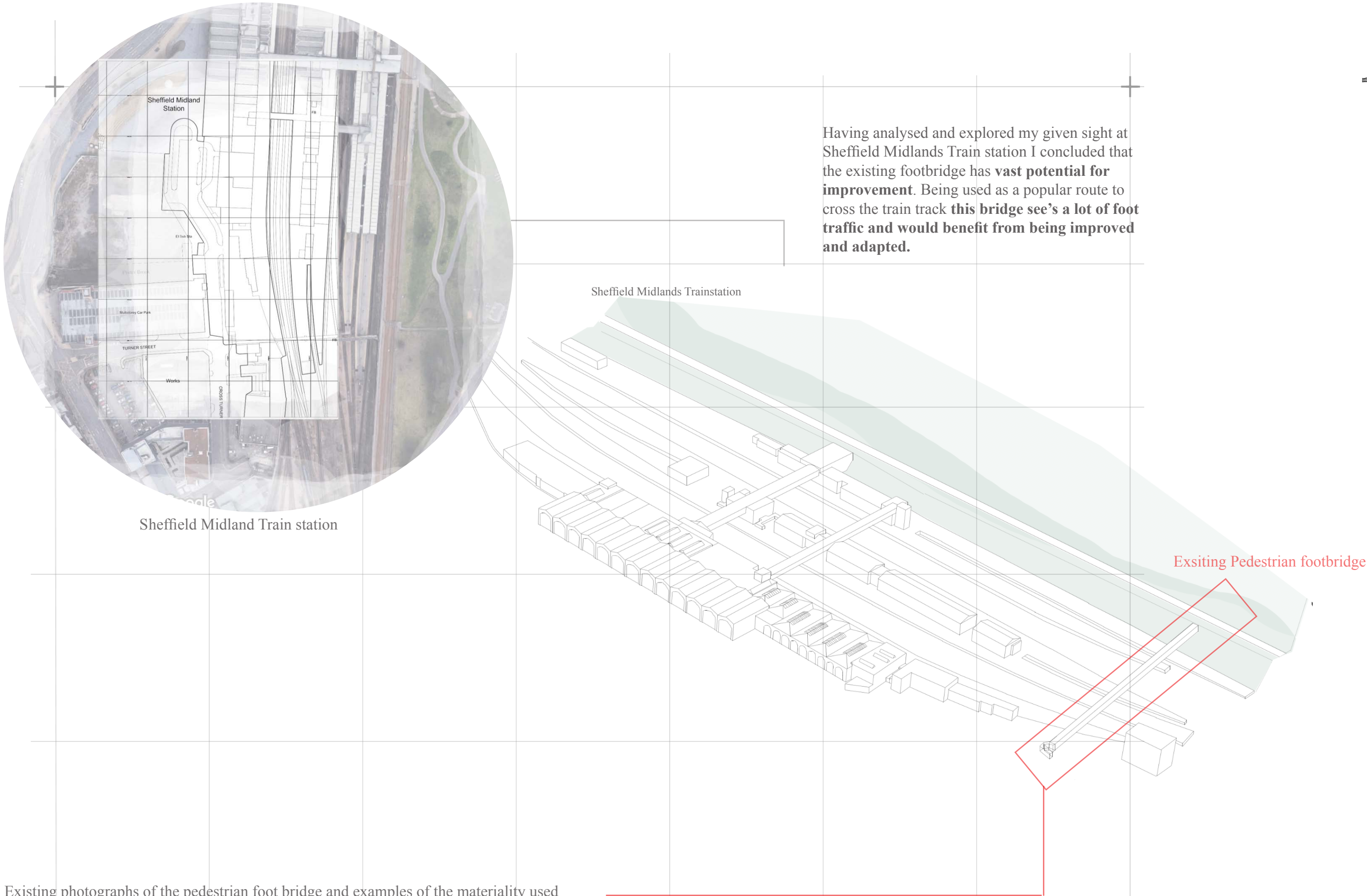
Crossing the urban utopia

The user's of an interior space are innately drawn to life and the natural world because we are part of it. I created and designed a truly unique and immersive space for the users of the local transportation hub to visit and thrive from the limitless benefits of nature, aswell helping to heal the cities urban pollution with the implementation of biodiversity.



Site Analysis

Locating the area most in need of improvement and adaptation to enhance the users of Sheffield Midland Trainstation’s experience



Existing photographs of the pedestrian foot bridge and examples of the materiality used



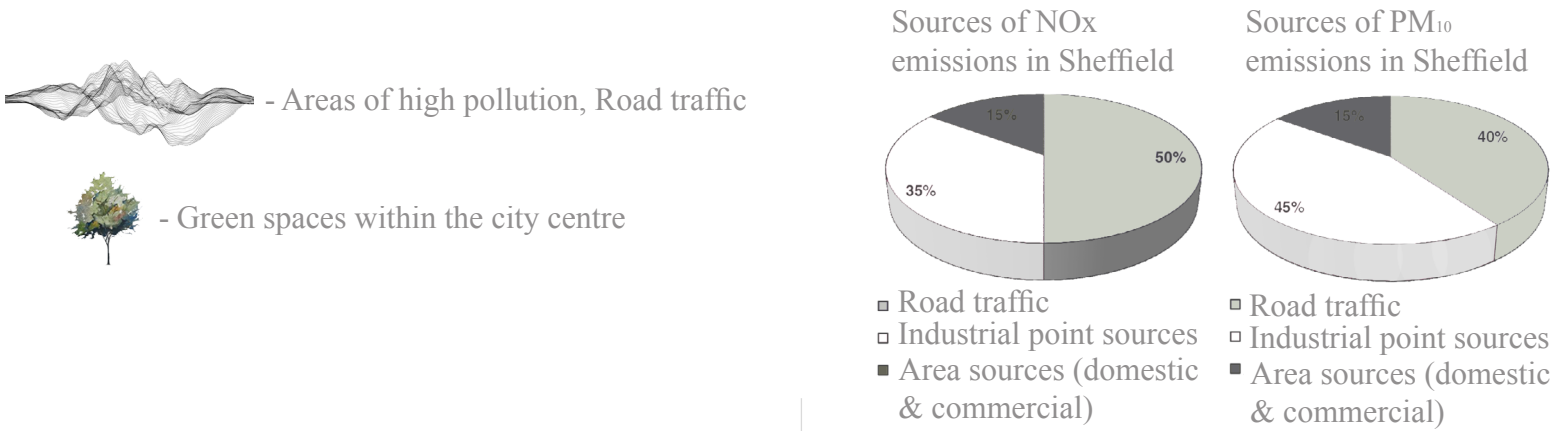
1- This image is showing us how **visible the bridge is from the surrounding area** as well as demonstrating the impressive length of **90.6meters**.

2- This image shows the interior of the existing bridge, with the walls completely **covered in graffiti/street art from end to end**.

3- A photograph taken of the exterior of the footbridge whilst travelling to the train station, a popular route for ubers and taxi’s. **The original**

4- Showcasing the **cage like material** used as a covering for the top of the bridge.

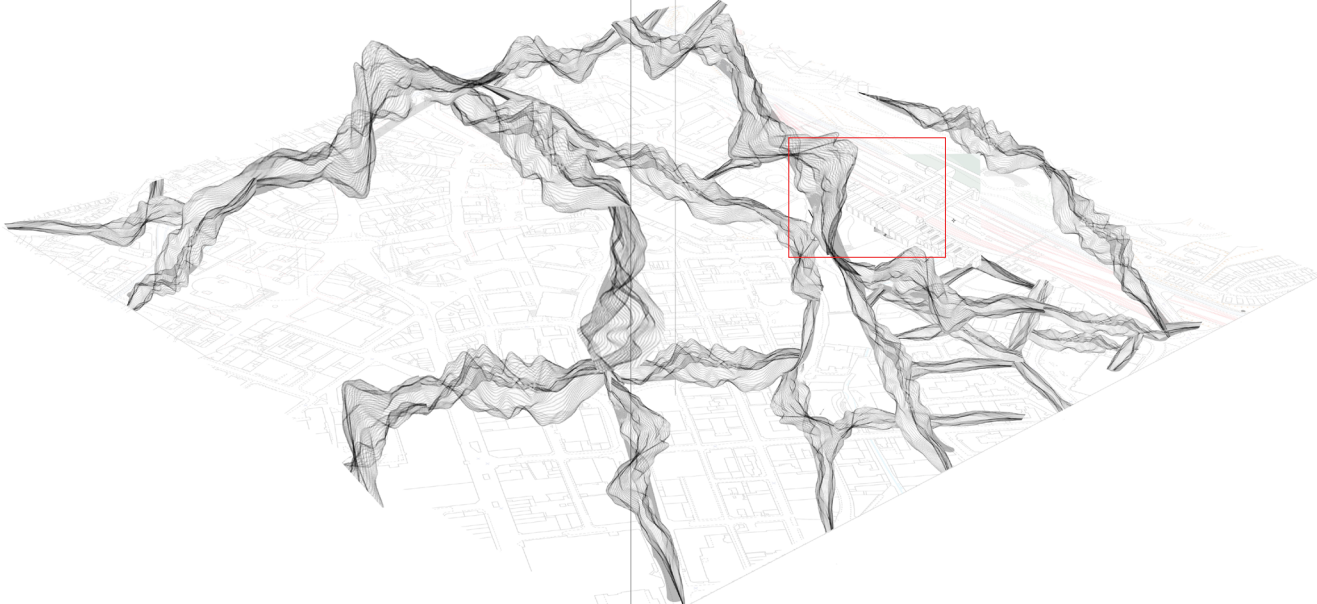
Understanding major causes to urban pollution in Sheffield city centre and locating local green spaces



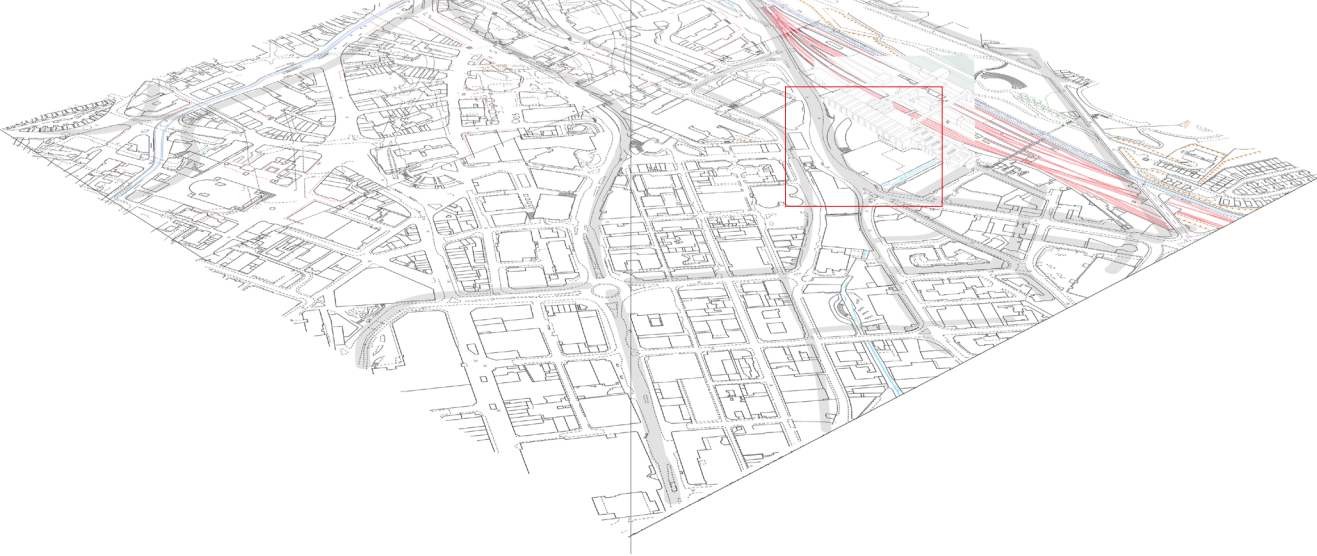
Low number of green spaces in Sheffield City Centre



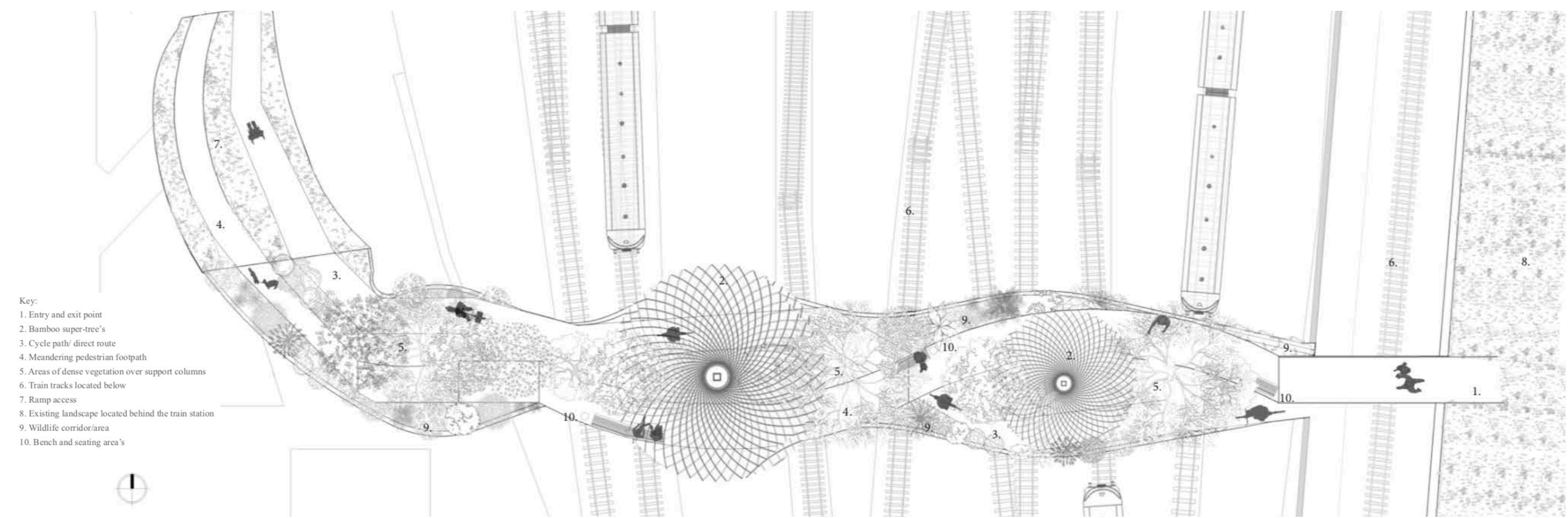
High levels of pollution from road traffic



Main road locations



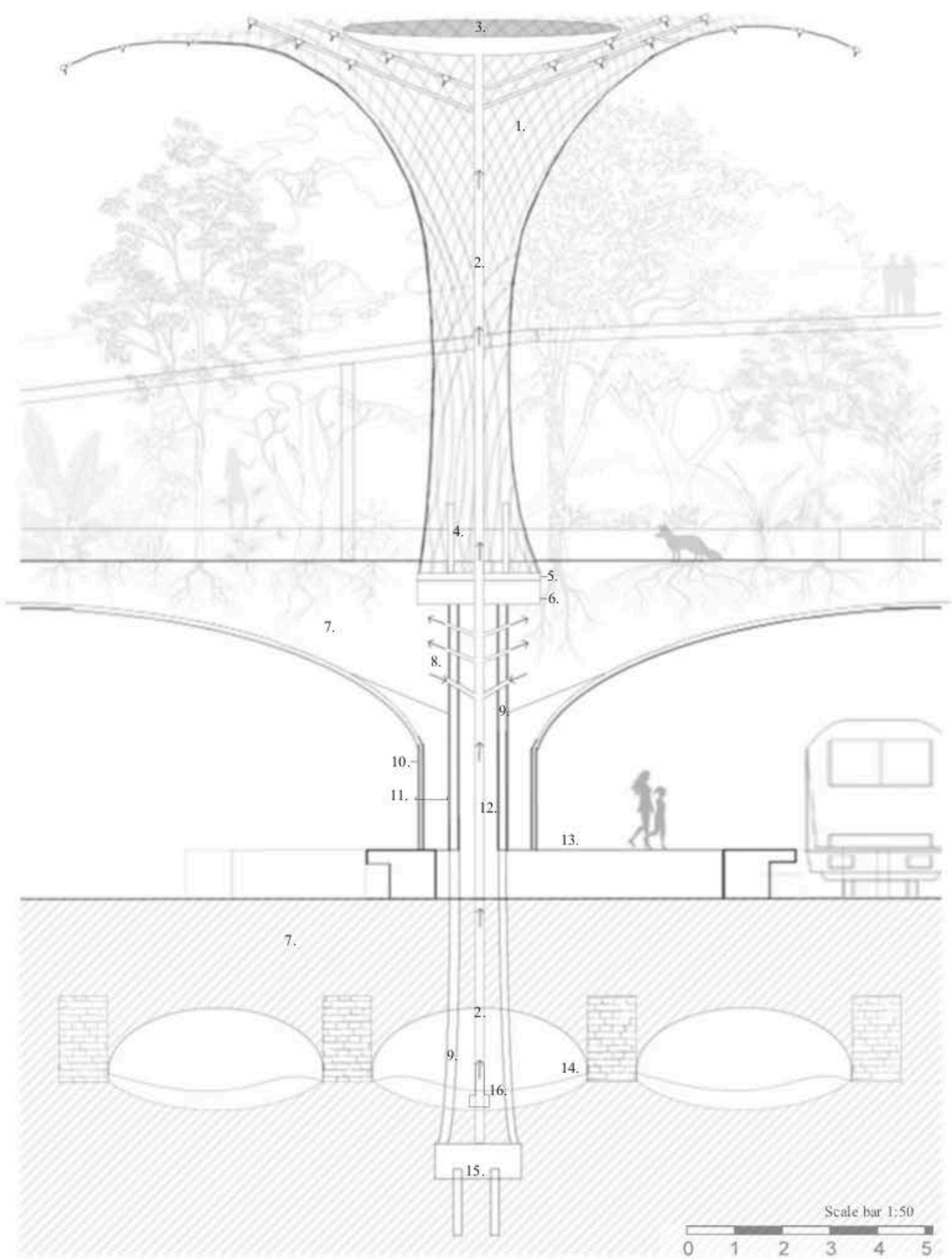
Proposed plan



Proposed technical drawings, including one line drawing plan, one rendered plan, one long section and one detailed section of my improved and adapted bridge at Sheffield Midland Trainstation.

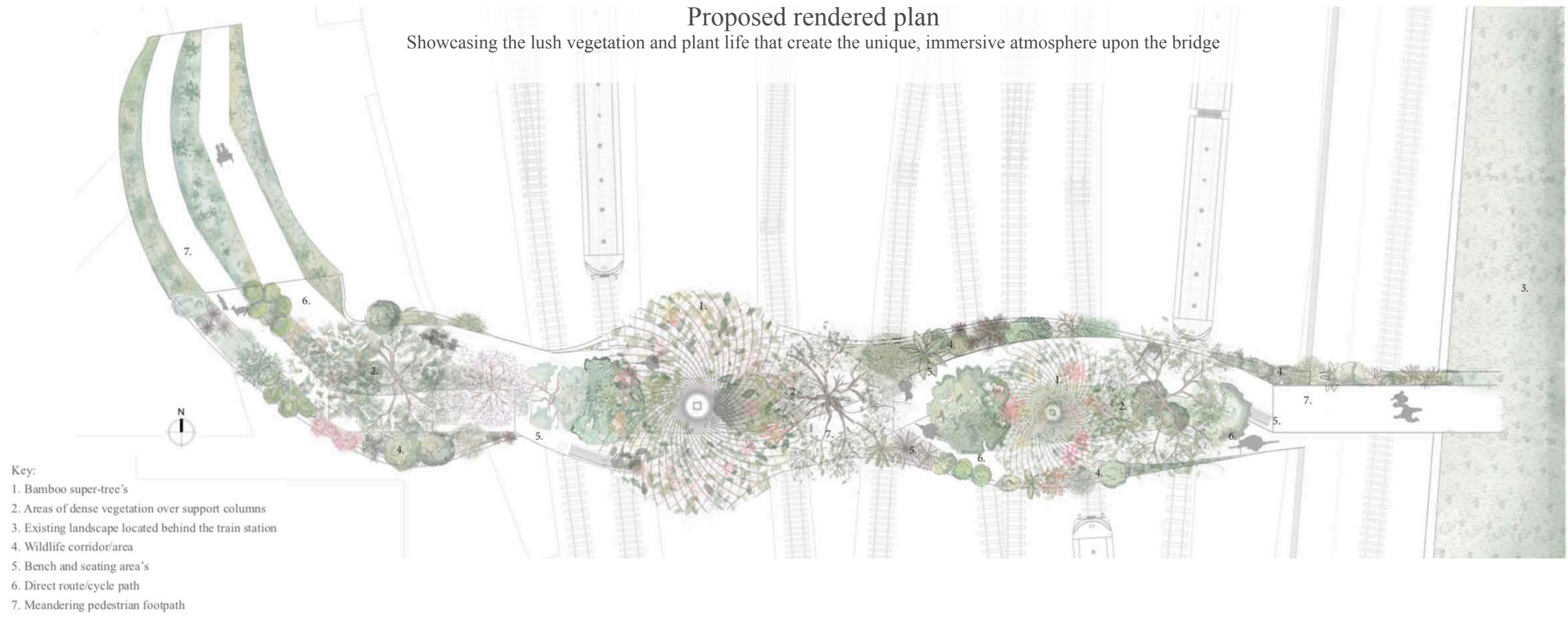
Detailed Section

Demonstrating the irrigation system fuelled by the megatron below sustainably powering the artificial super tree's



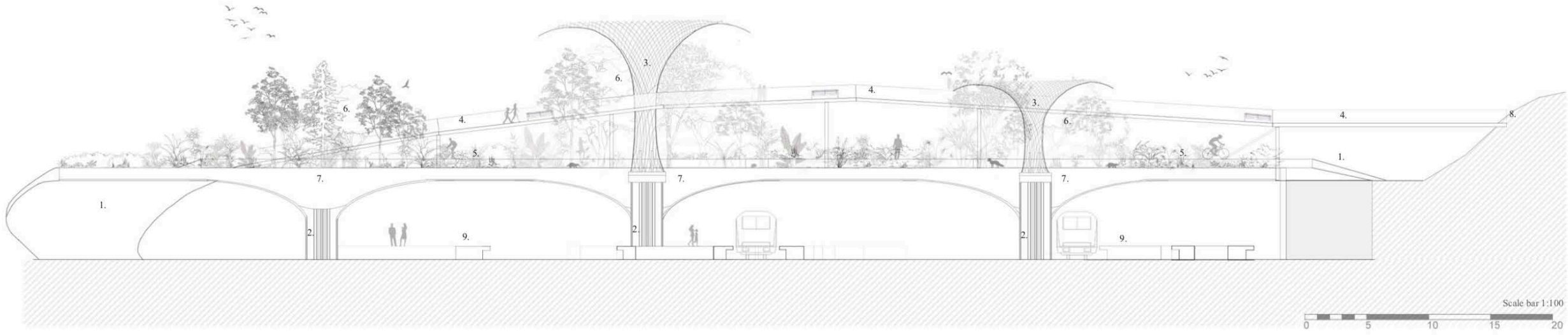
Proposed rendered plan

Showcasing the lush vegetation and plant life that create the unique, immersive atmosphere upon the bridge

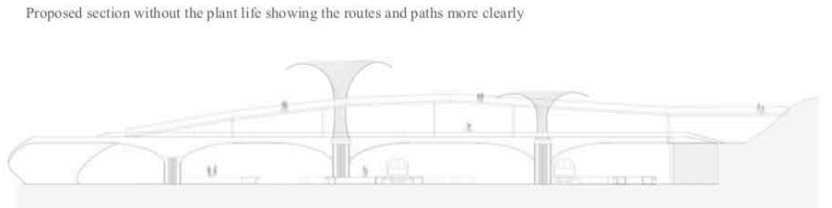
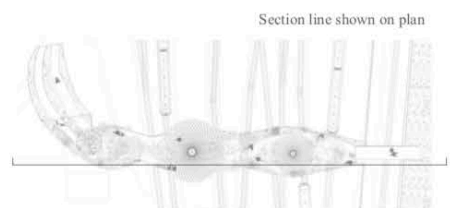


Proposed Section

Illustrating the structure of the improved and adapted bridge and the two artificial super tree's

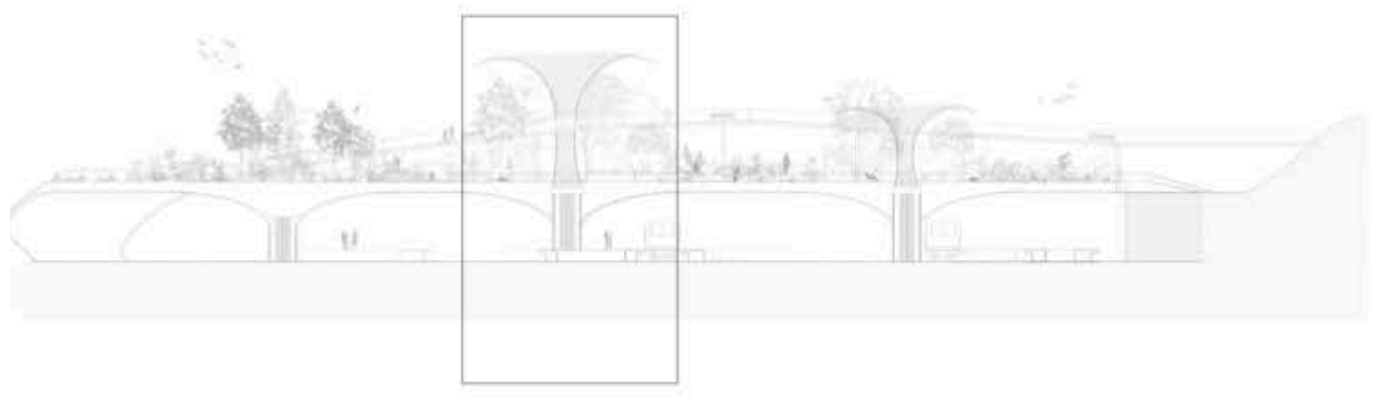


- Key:
- 1. Ramp access point
 - 2. Support column
 - 3. Bamboo super tree
 - 4. Pedestrian foot path
 - 5. Direct/ Cycle route
 - 6. Area's of dense plant life
 - 7. Soil
 - 8. Pedestrian path connecting to existing landscape
 - 9. Existing platform below

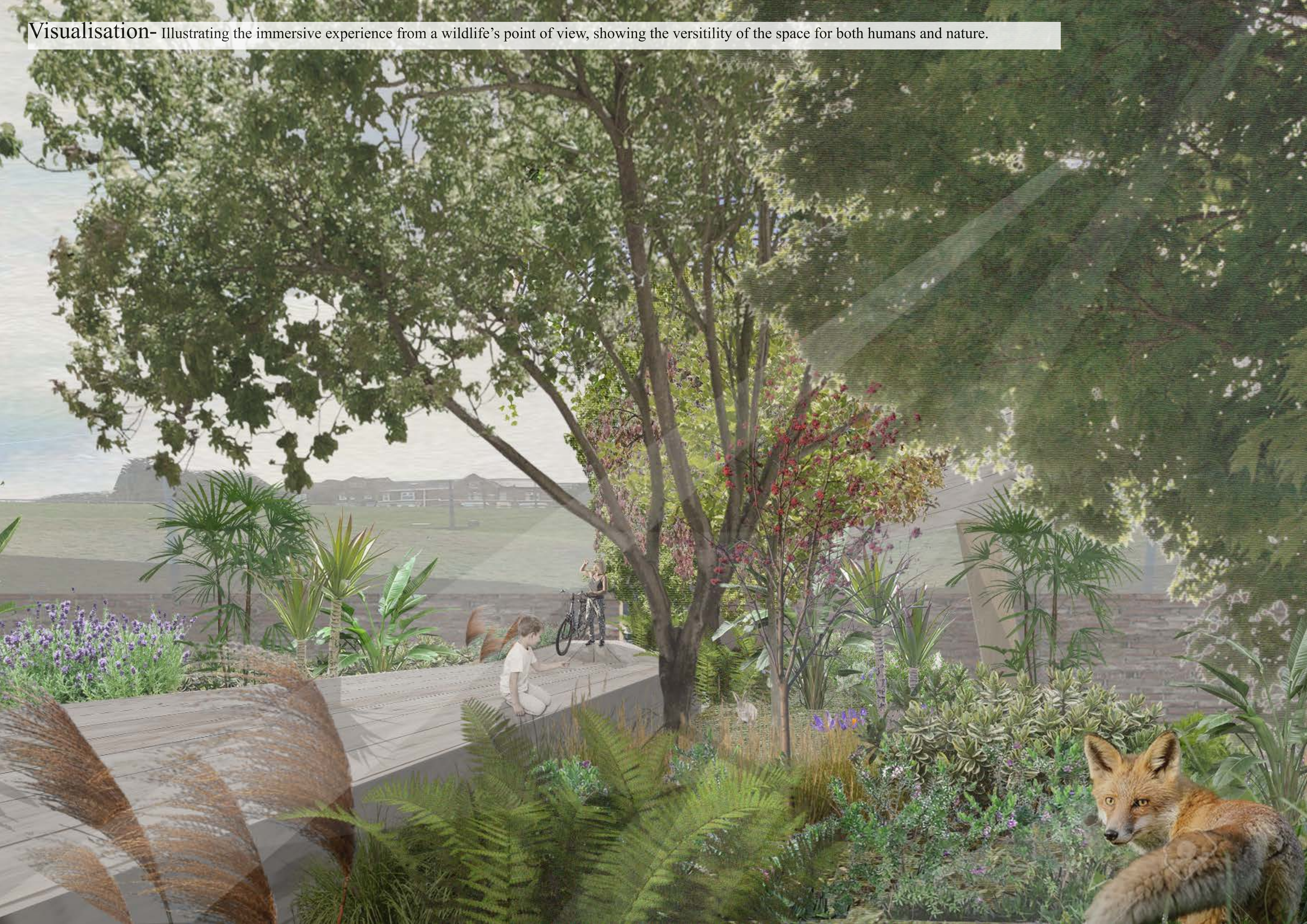


- Key:
- 1. Bamboo super-tree
 - 2. Irrigation system
 - 3. Solar panel
 - 4. Bolts fixing the super tree to the steel plate
 - 5. Steel plate
 - 6. Concrete plinth
 - 7. Earth
 - 8. Irrigation pipe work and drainage system
 - 9. Concrete structure to support super-tree
 - 10. Concrete shell, 150mm
 - 11. Column rib, 800x200mm
 - 12. Space within column for irrigation system
 - 13. Platform level
 - 14. Megatron
 - 15. Pile cap & piles
 - 16. Water wheel and generator

Section reference



Visualisation- Illustrating the immersive experience from a wildlife's point of view, showing the versatility of the space for both humans and nature.



Visualisation- Revealing the viewpoint from a cyclist, showcasing the different levels and the connection between sustainable travel, humans, nature and animals.

