

Country / City United Kingdom/ Scotland/ Edinburgh
University / School Edinburgh School of Architecture and Landscape Architecture
Academic year 2018/2019
Title of the project Manhattan Scapeland: Unfolded and Processed
Authors Jennifer Fauster

TECHNICAL DOSSIER

Title of the project	Manhattan Scapeland: Unfolded and Processed
Authors	Jennifer Fauster
Title of the course	Design: Strategy and Intervention & Design: Individual Portfolio
Academic year	2018-2019 & 2019-2020
Teaching Staff	Adrian Hawker, Victoria Clare Bernie, Tiago Torres Campos (Studio Unit leads), Lisa Mackenzie (Tutor), Ross McLean (Programme Director)
Department/Section/Program of belonging	ESALA - Edinburgh School of Architecture and Landscape Architecture/ MSc Landscape Architecture programme
University/School	University of Edinburgh



This project is sited in Manhattan and interprets wider territorial considerations in the bioregion of New York to make meaningful interventions into the terrain of the city.

The work draws inspiration from the street photographer Vivian Maier and the 1921 Documentary Film, Manhatta to situate a series of 'exposure gardens' the ultimately embed into the Tribeca neighbourhood. The gardens function as a series of sponges, cisterns and CO2 storages spaces. Their placement has come about by exploring scalar and locational dimensions through open drawing and modelling experiments. Testing and re-testing the implications of design upon the locality has taken time and only through this form of iterative procedural enquiry can the desired level of sensitivity be met.

Situated in the threshold of Manhattan's geologic, aqueous and ecologic intersection – the deepest point of the island, the deepest dip into the bedrock, the highest groundwater level, a constant floodplain, the height of the salt line of the Hudson – The Lock, including its contained 'wet plate' functions as a spatial intervention to expose the climatic fragility of the neighbourhood around Canal Street and Historic Tribeca.

The lock is attuned to the climatic emergency by seeking to represent resilience in a contained space where human relational experiences with soil and water are condensed and intensified drawing people into a close relationship wider issues that often remain incomprehensible. Responsive to time, weather, weathering and seasonal changes, the lock offers a re-connection to displaced and forgotten subterranean space within the busy city streets.

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CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona September 2020
SCHOOL PRIZE

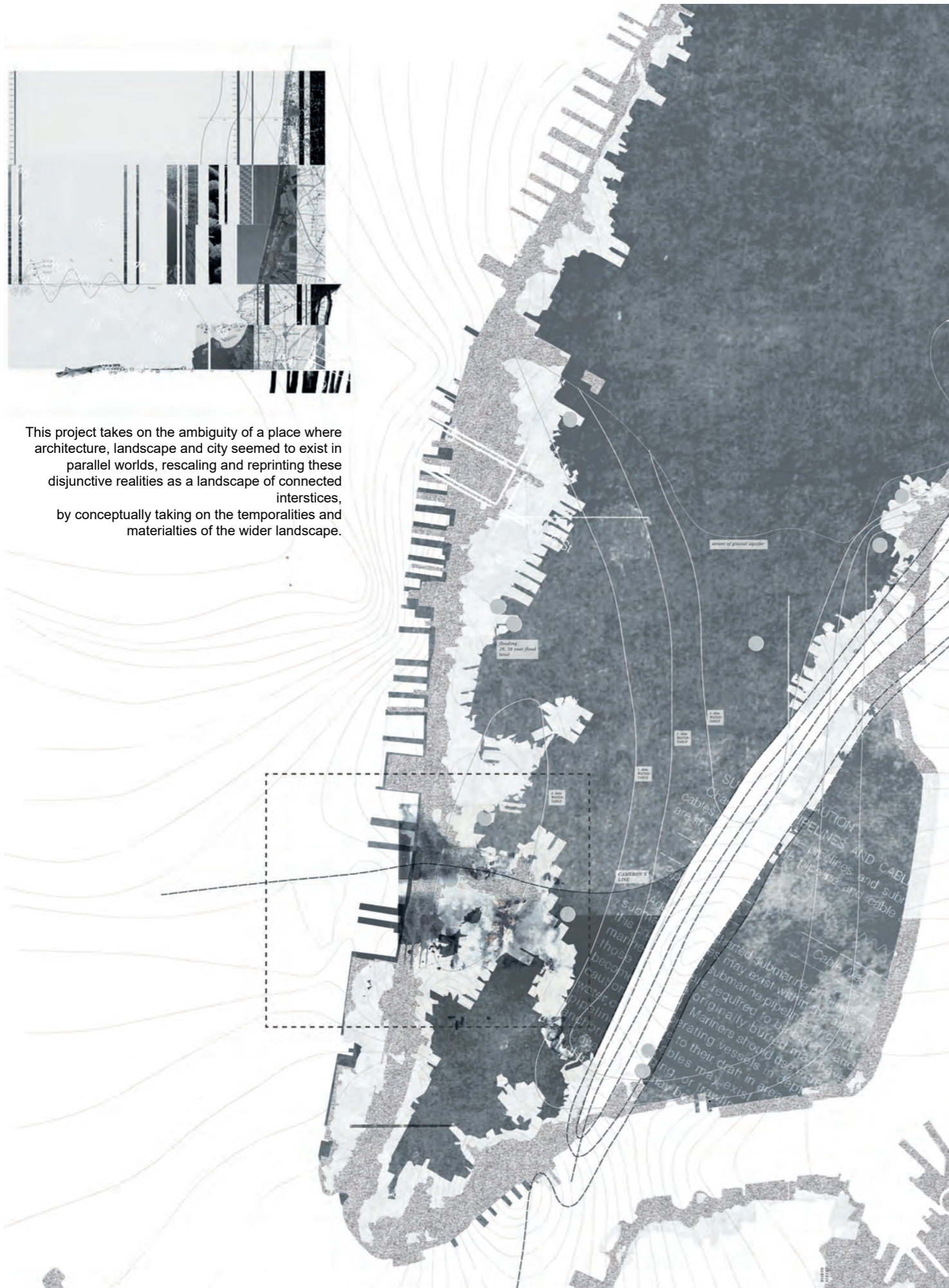


Concept development and analysis

Empowered by a temporal cartographic method of flooding, fixing, photographing and exposing, it not only lays bare the city's ecological, hydrological and cultural disfunctions, but offers a wet plate (scapeland) which can be exposed, fixed, perforated, cut open and reconciled through processes of contagion, superimpositions and coverings.

Exposing the relationship between the surface landscape and the substrate, but also the thickness of the nourishing layer, conceptualized through the Hudson floods, establish and develop new public spheres, stating water and wetness as an event.

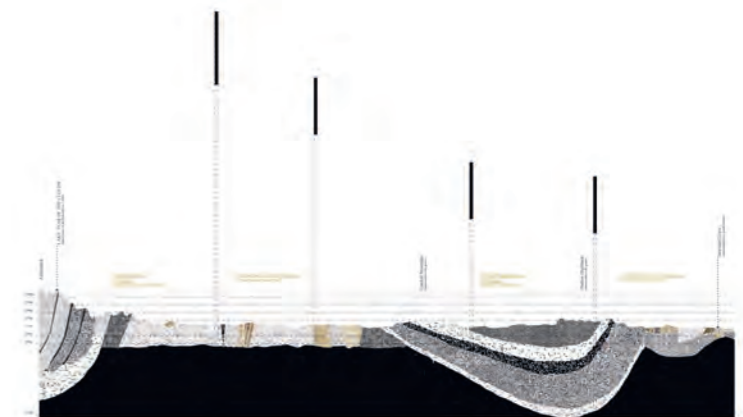
This project takes on the ambiguity of a place where architecture, landscape and city seemed to exist in parallel worlds, rescaling and reprinting these disjunctive realities as a landscape of connected interstices, by conceptually taking on the temporalities and materialities of the wider landscape.



Analysis of Lower Manhattan | bottom
Hudson River temporalities | top left

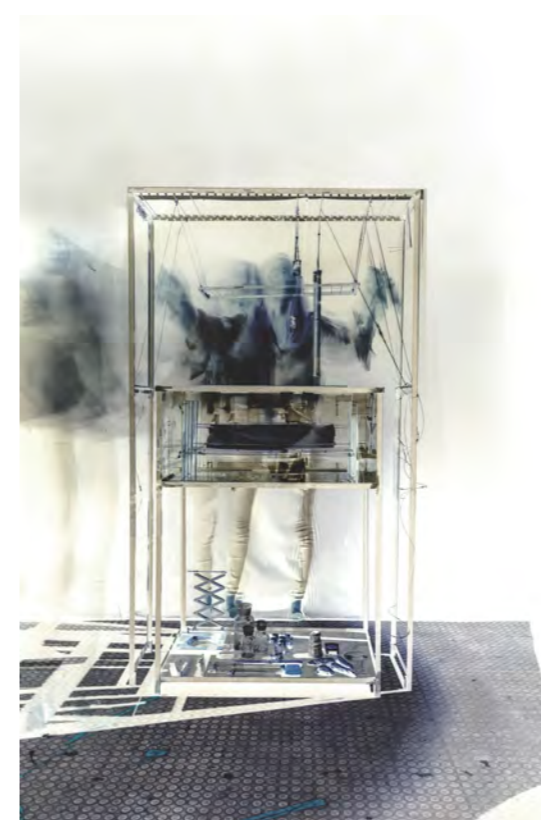


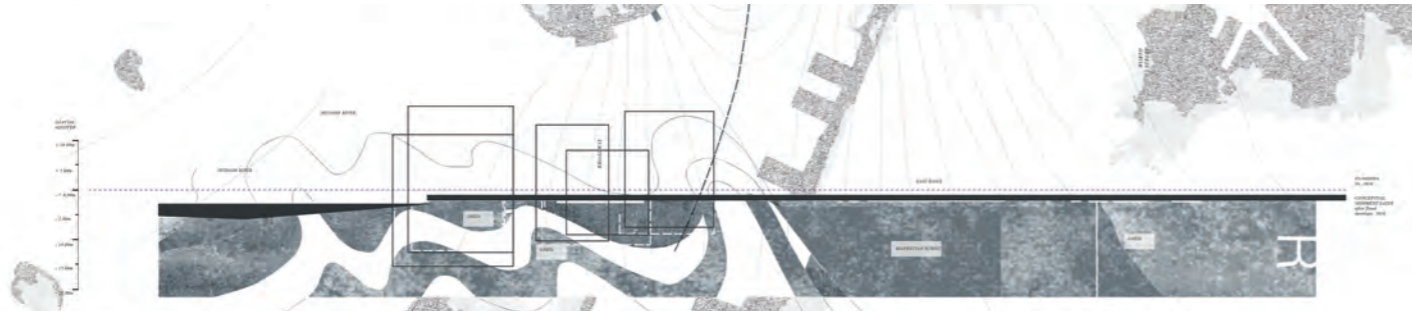
Hudson River course | top right
Cartographic device in action | top left



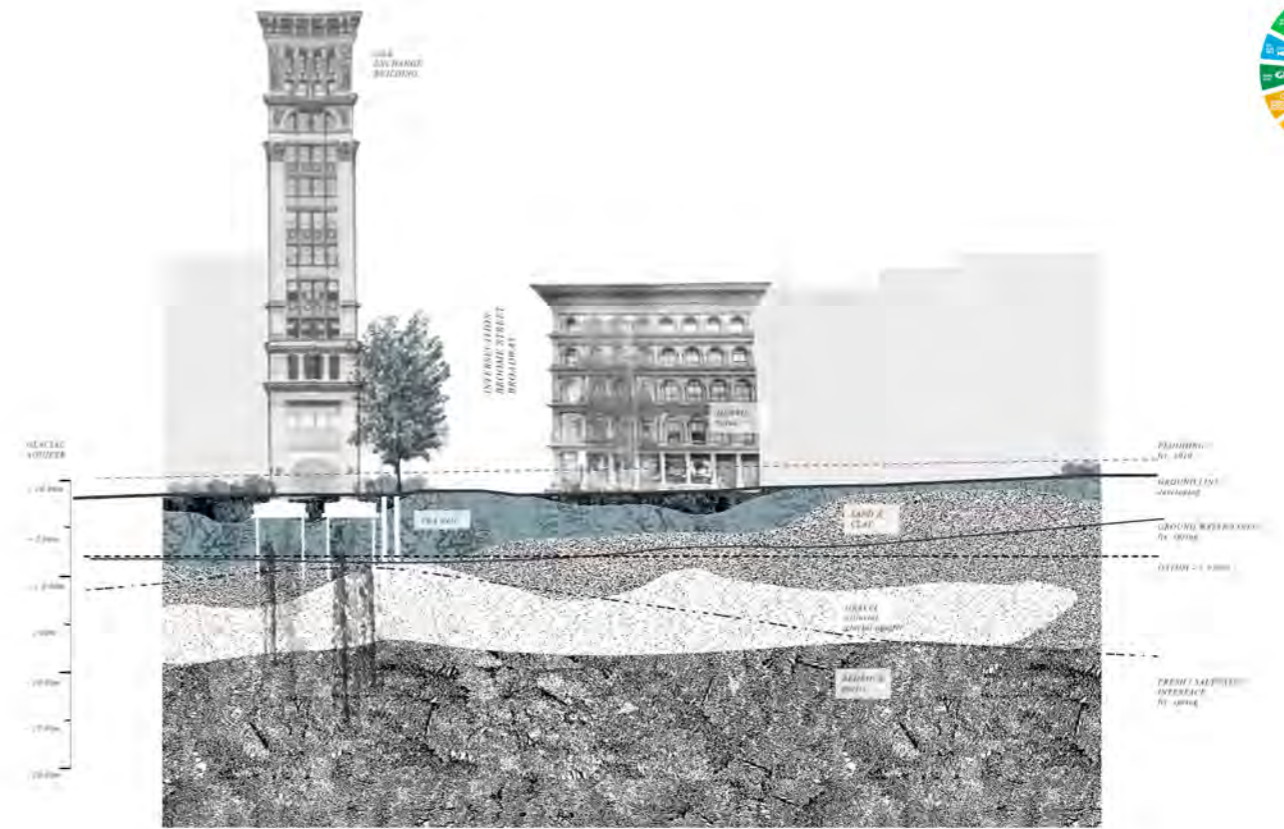
Geologic and ecologic section of the Hudson river course | top right

Developing conceptually the incoming memory of the Hudson sediments and remnants after a flood, juxtaposed to the debris underneath the city the gravel bodies of the diluvial age; to expose a wetness – a soakland.





Lower Manhattan floodplain - city territorial interventions | plan and x section

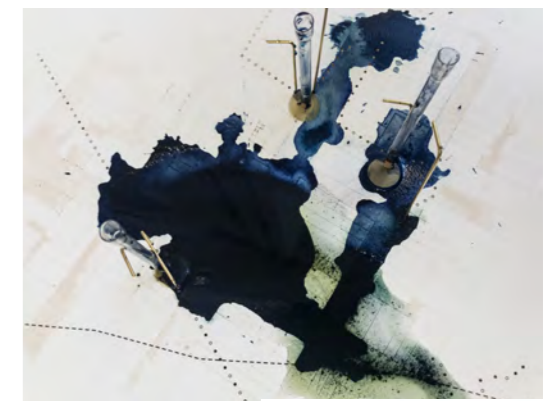


Sectional depiction of transitional datum lines | top

City fabric | series of aqueous interstices

Across the flood plain of Lower Manhattan, between the vacant plots and the areas of hyper gentrification, a looser compositional logic comes into being, a counter narrative to the traditional and the neoliberal story of the de-industrialisation of Lower Manhattan's city fabric.

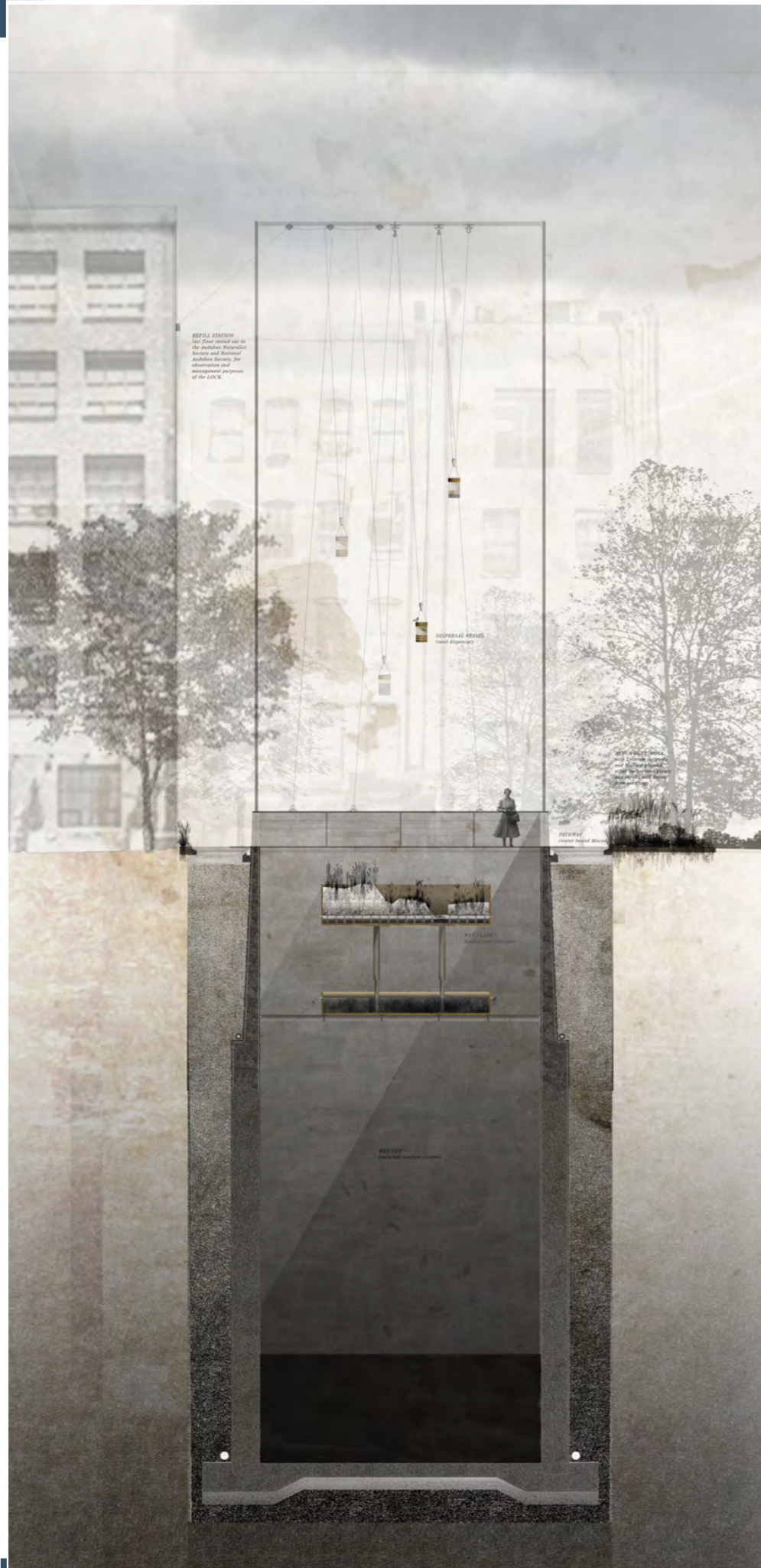
Understood as a property of the metropolis, these new island conditions offer something other to the urban realm, a place of measure and exposure where Manhattan's topographical, hydrological and geological discrepancies transform into reservoirs, perforating the ground and issuing forth a new aqueous city reality, a place of register and containment operating in positive co-existence.



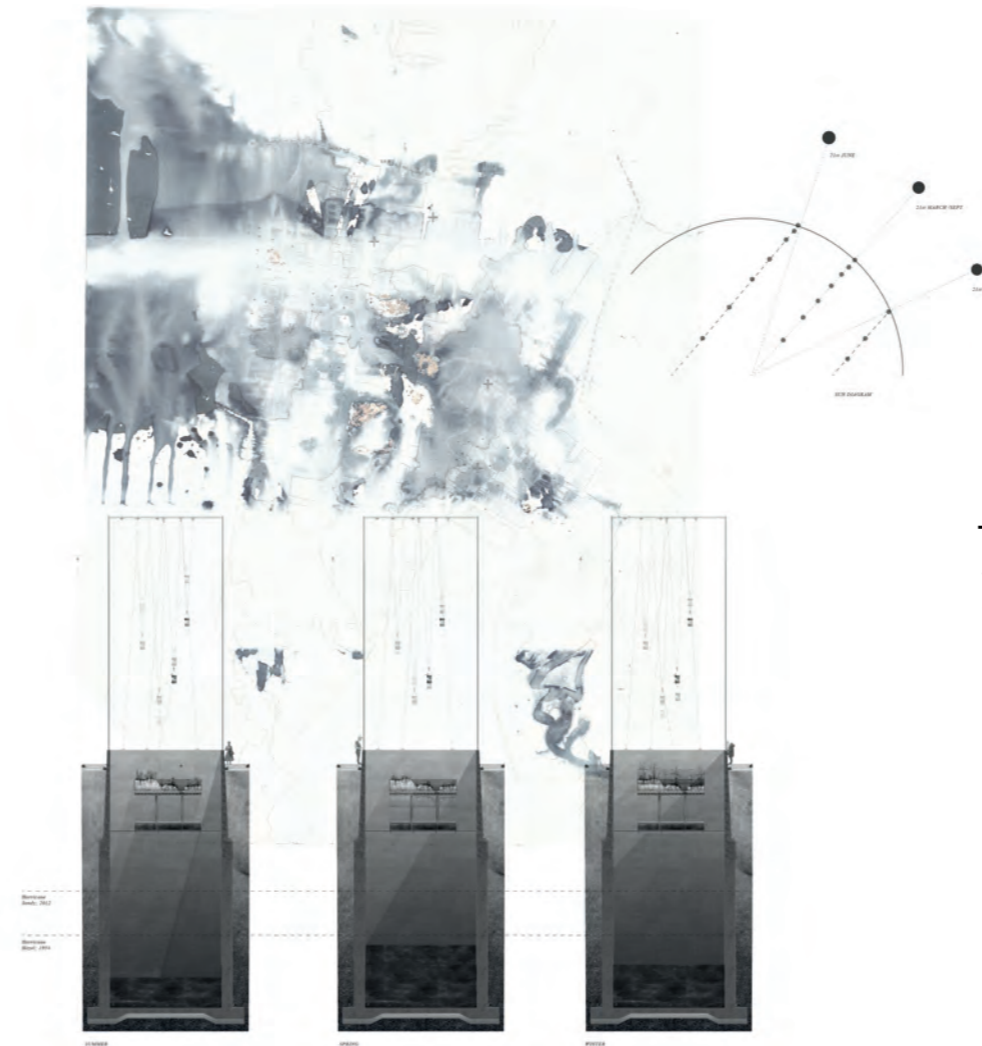
Reservoir devices depicting soil changes and aqueous expansion | right two



Conceptual drawing, processing and analysis device | bottom two



Spatial intervention sitting within the Manhattan urban fabric | sectional view



Temporal behaviour throughout a year of the spatial intervention | top



The Lock on a vacant plot | plan view

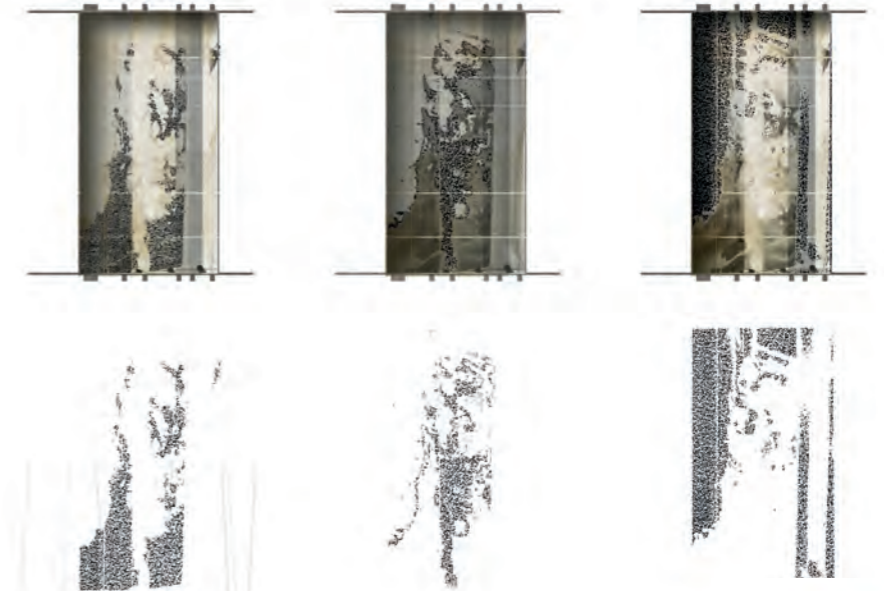
The Lock - spatial intervention

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Planting Strategies

1. Plant species seeds derive from the floodplains of the Hudson, not frequently exposed to flooding.
2. Plant species tolerate fluctuating water levels, deriving from marsh areas the fresh water line of the Hudson.
3. Selected species are halophytes, however, they also thrive in fresh water alkaline environments, deriving from saltmarsh ecotones in the Hudson River.



Planting Strategies | situation 1, 2 and 3