

The goal of this research is to outline effective landscape strategies to accompany the development of necessary flood protection improvements along a three kilometer stretch of the right bank of the Danube River in northern Budapest, an area known as Római-part.

Three detailed design sites were selected to test the design matrix, each relating to a given typology and design approach. Design site one is a natural typology. Beach access is provided with a narrow staircase that is simple yet formal, creating an elegant contrast between built elements and nature. Concrete seating elements are also placed in the slope near the stairs for informal gathering. Design site two is a built shore featuring organically shaped terraces designed around existing trees. Design site three features a floating lookout and path.

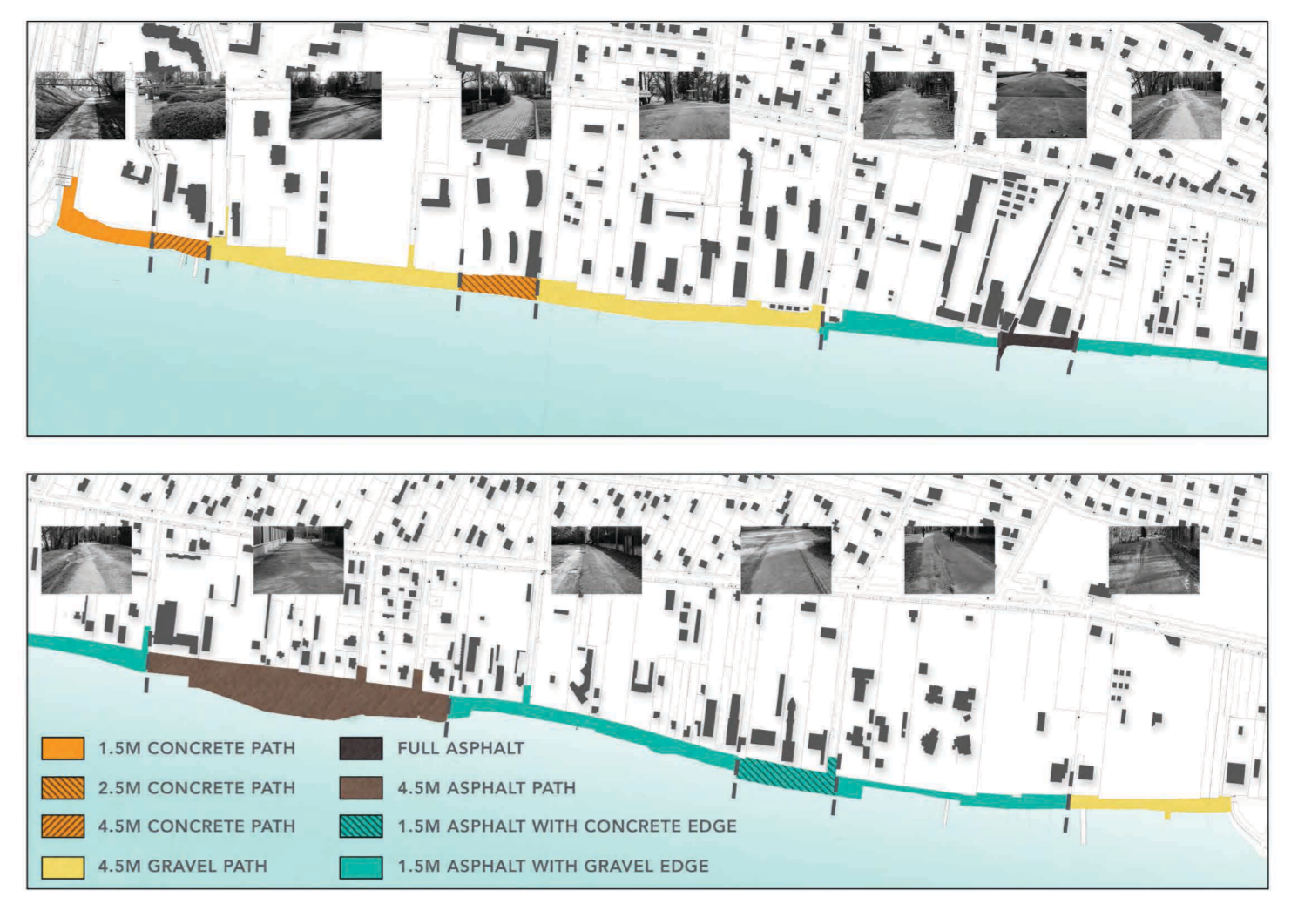
Design work is based on a typology method in which related yet distinct categories were identified for the promenade based on diverse site analyses. These typologies were then used to categorize a series of design solutions informed by research and reference projects. The result is a Design Solutions Matrix which outlines possible design solutions for each typology situation. In this way the matrix can be used to solve design challenges for the entire three kilometer shoreline in a flexible way by responding to unique situations along the promenade while still producing a unified design character.

Detailed design drawings are presented for paths, stairs, bridges, seating, site furniture, pavement patterns and wayfinding signage. A material palette of cast concrete with metal and wood accents is proposed while vegetation is comprised of flood-tolerant grasses and wet meadow shrubs and flowers.

SAMPLE SITE ANALYSIS

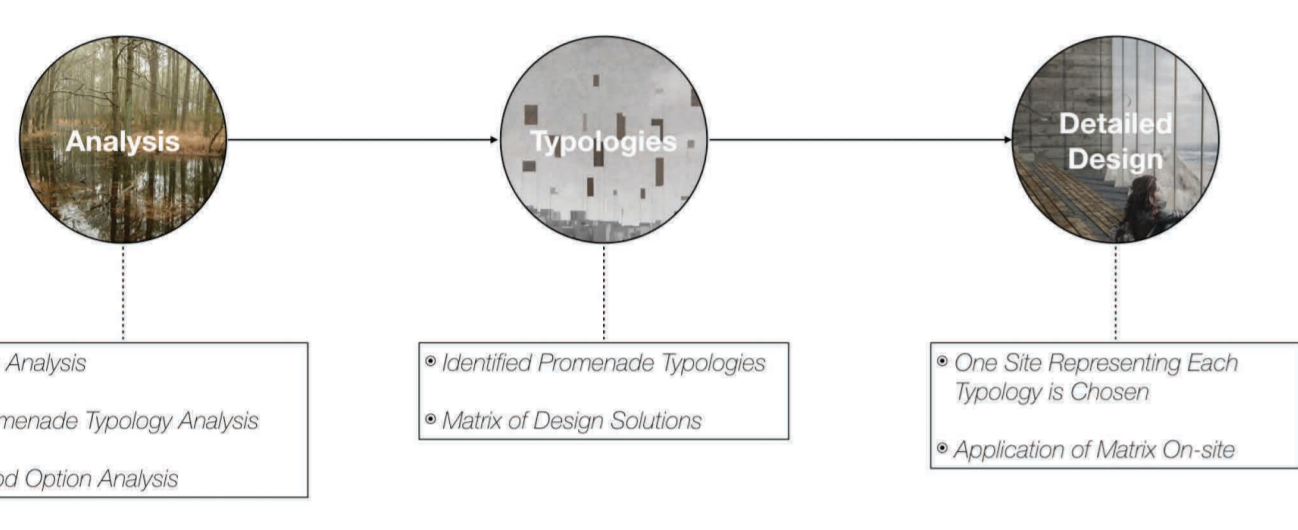


VALUES, OPPORTUNITIES AND CONSTRAINTS

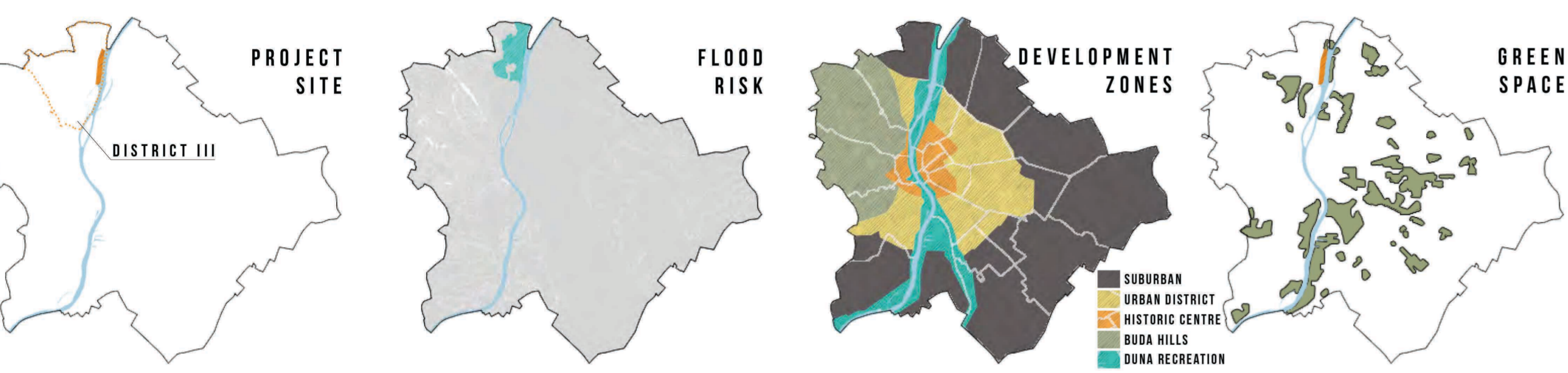


PATH TYPES

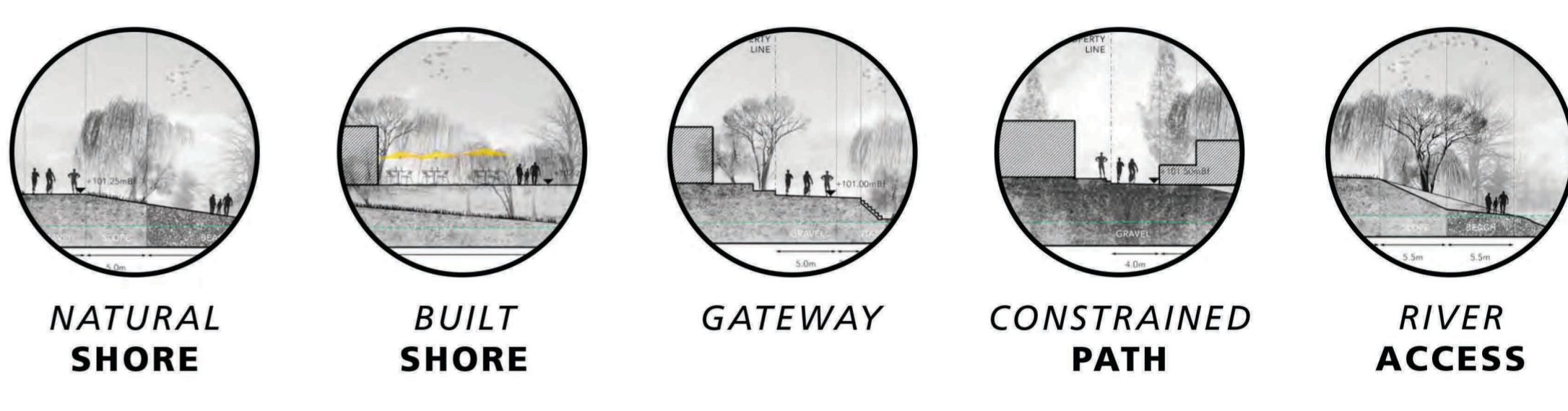
PHASE I PHASE II PHASE III



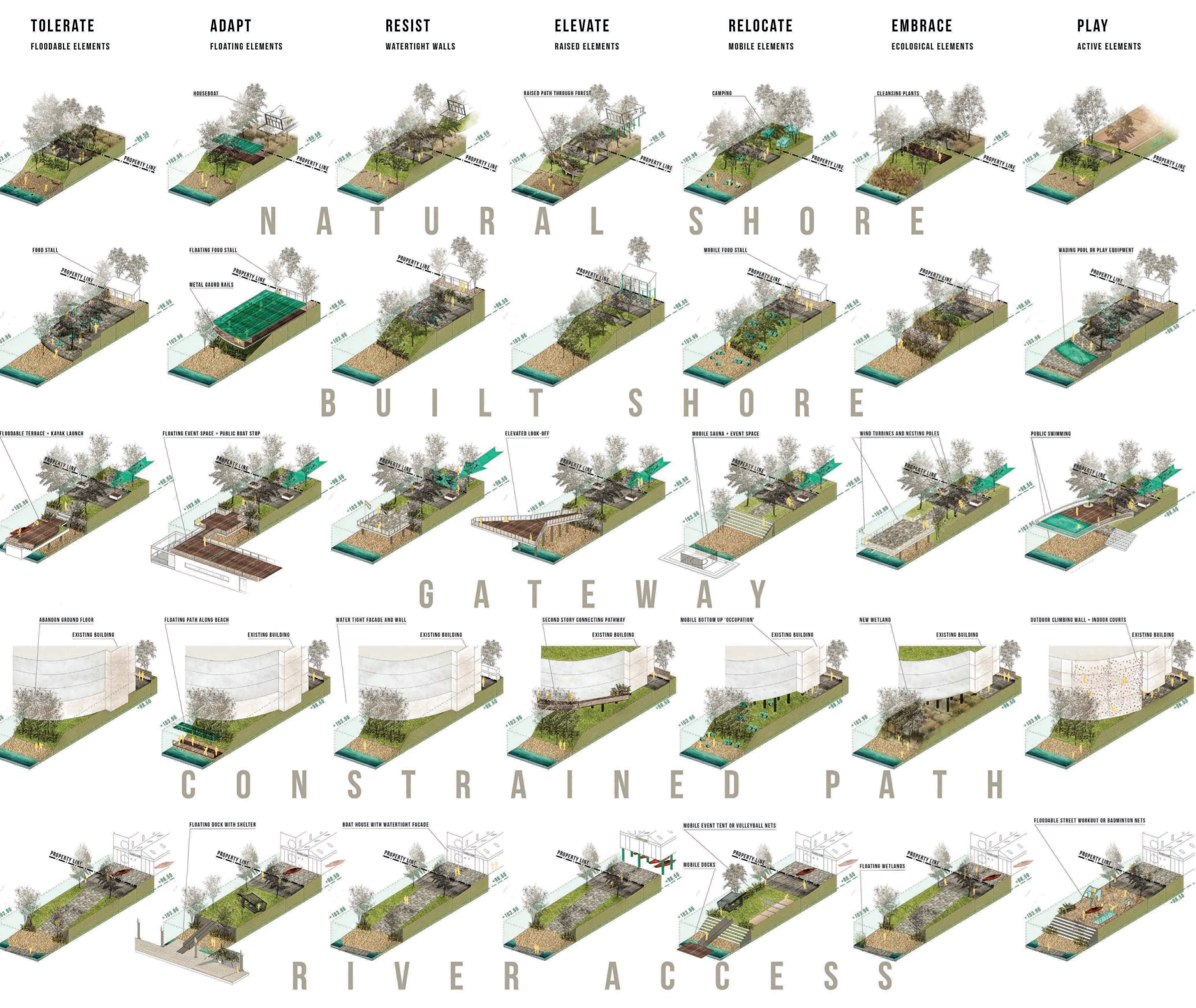
PROJECT LOCATION



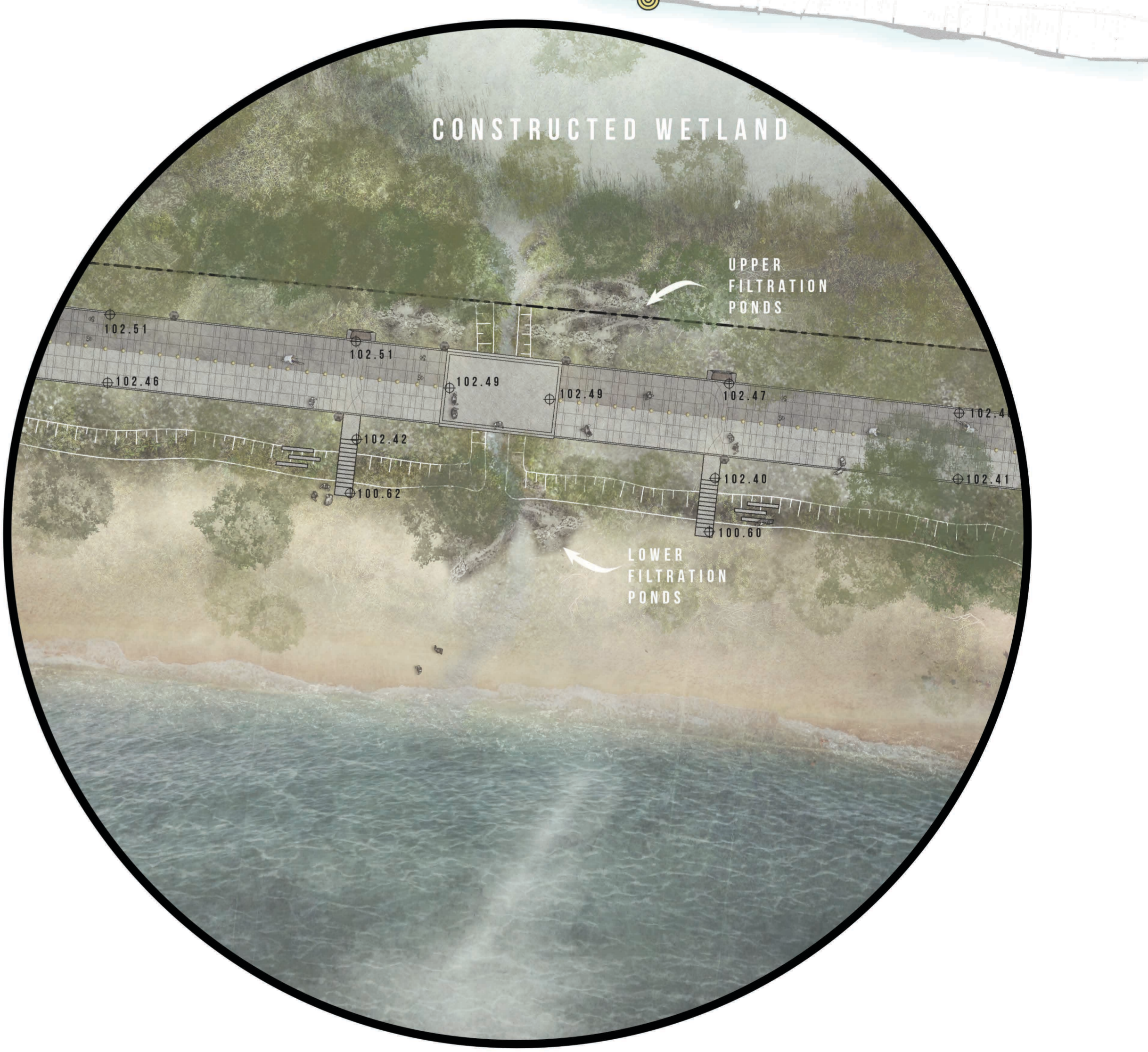
EXISTING TYPOLOGIES



DESIGN MATRIX



SAMPLE DETAILED DESIGN PLAN



VISUALIZATIONS

