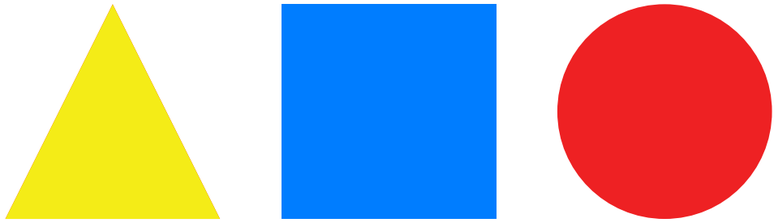
LE METISSAGE DU BETON COLORE

An exciting chemical process called hydration produces one of the world's most common construction materials; concrete. Concrete is thought of very much as an artificial material, but the individual materials that make up a concrete mix - sand, aggregate, water, and air along with cement - are primarily natural. Present day cement is manufactured using a controlled process, with a mixture of a number of natural materials. However, it is believed that the first portland cement was produced much more crudely simply by burning powdered limestone and clay. To simplify, concrete, deconstructed, could be thought of as sand, aggregate, water, air and clay. In the context of this scheme, plants will be used to represent 'air' and, as clay-rich soil is easily available in the region, this will be used to represent cement.

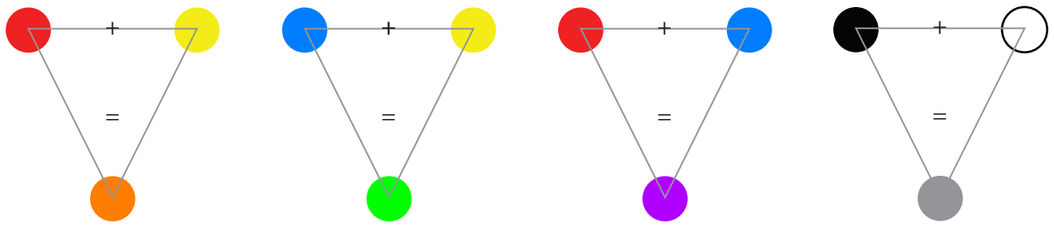
Le Métissage du Béton

Water (20%) Aggregate (30%) Sand (30%) Cement - Clay (15%) Air - Plants (5%)

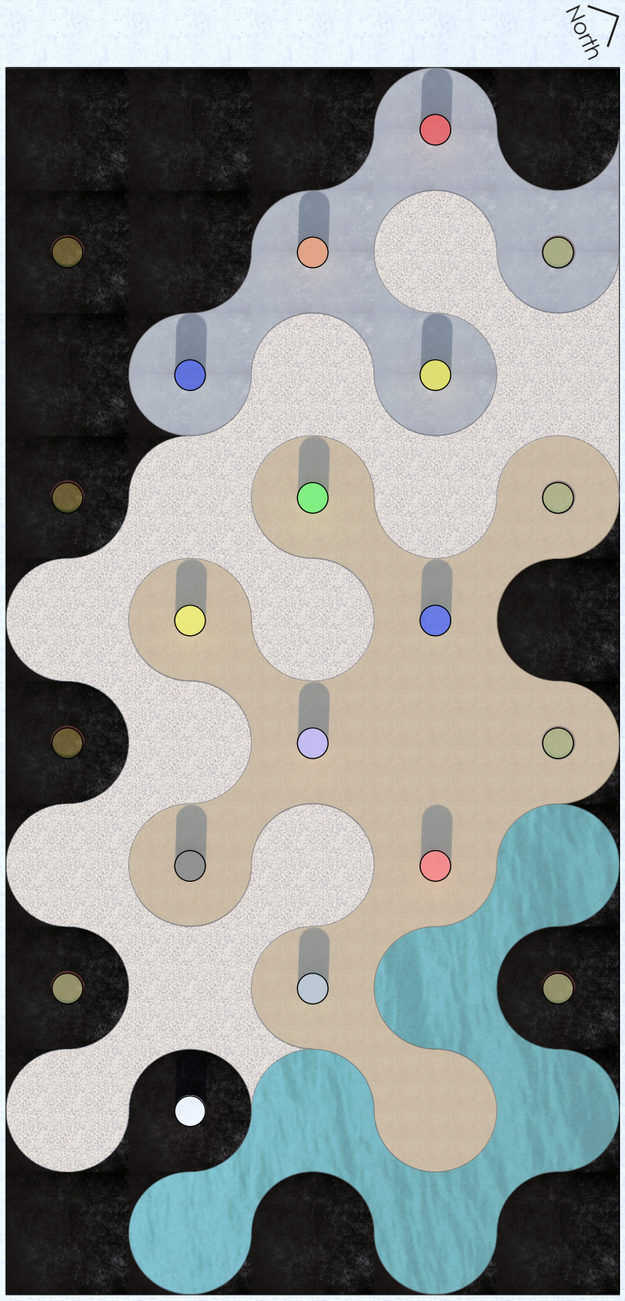
Le Métissage des Géométries



Le Métissage de la Couleur



Plan 1:100

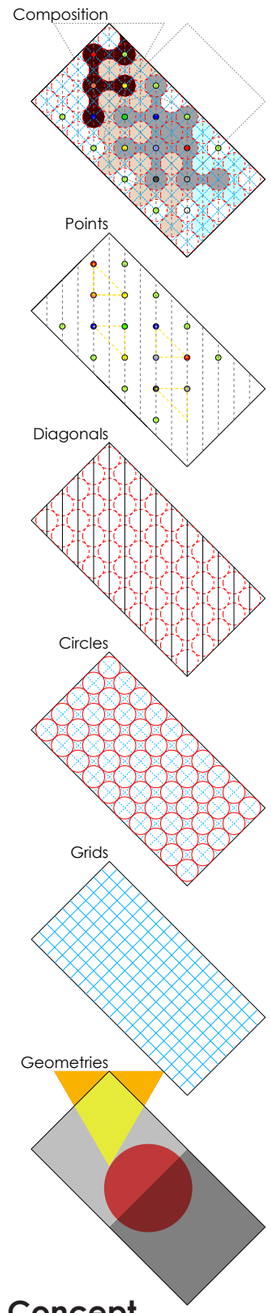


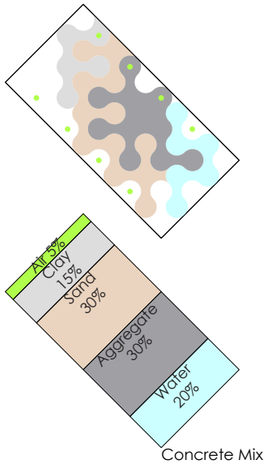
PROJECT

LE METISSAGE DU BETON COLORE

This scheme is comprised of concrete in two forms; pigmented concrete and concrete, deconstructed. Coloured concrete involves not only the mixing of concrete, but also the mixing of pigments. In addition to the mixing of concrete, and the mixing of colours, the mixing of geometries defines the form of this proposal.

The pigmented concrete pieces sit on points of a grid overlaid onto the site, but are also aligned along a series of triangles connecting primary colours to their secondary counterpart. When mixed with concrete, the colours become more muted. Deconstructing the individual materials of concrete, each one is applied as a landscape surface on the ground using a grid of circles. The percentage of ground cover of each material reflects their percentage in a concrete mix.

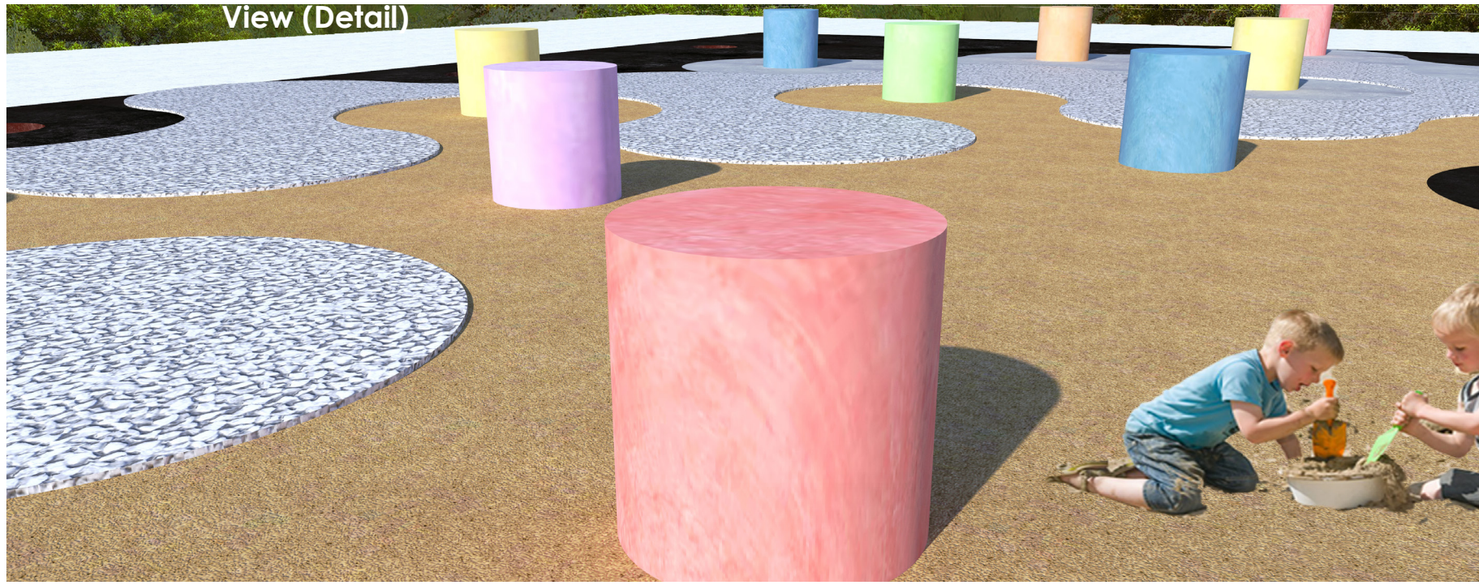


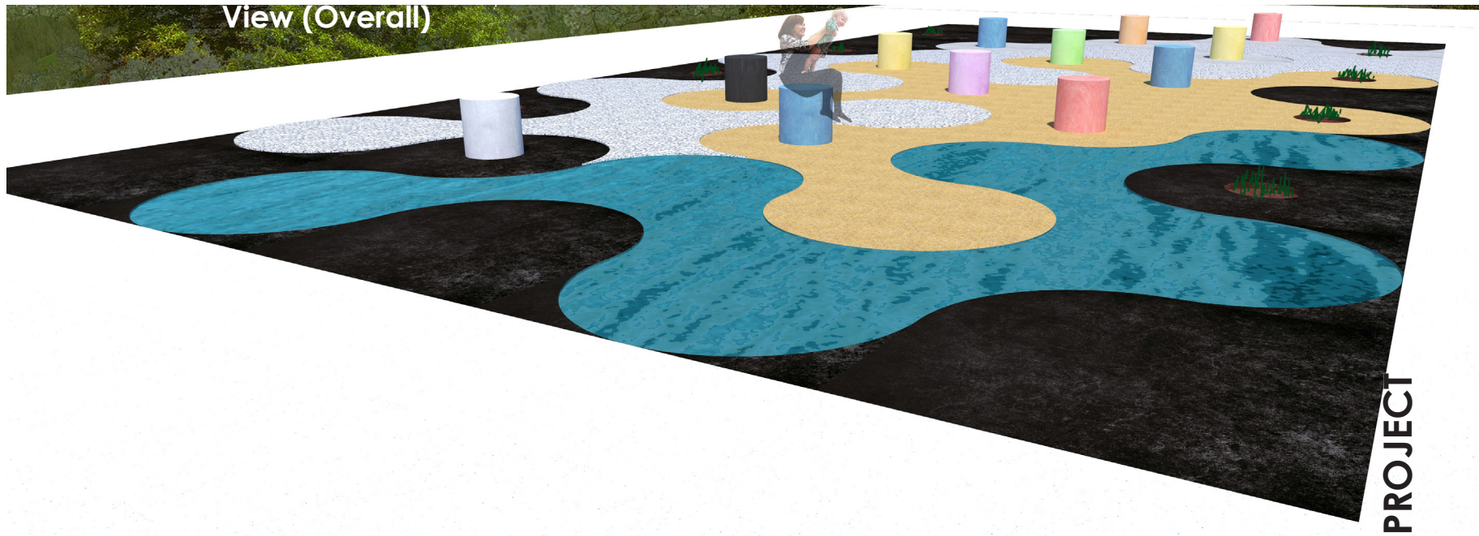


Concept

East Elevation 1:100

South Elevation 1:100





PROJECT