

**Infiltration Tank
Flood Mitigation**

Project Location Santiago, Chile

Project Details **STORMWATER INFILTRATION TRENCHES
FOR DORSAL AV. EXTENSION**

Completion Date 2011

Location

Intersection Dorsal Avenue with Independence Avenue, Santiago, Chile.

Client

Constructora Trébol

Principal

Metropolitan Service for Housing and Urbanism (SERVIU)

Catchment Area:

187,200 m²

Installed capacity

93,500 m³

Module Type

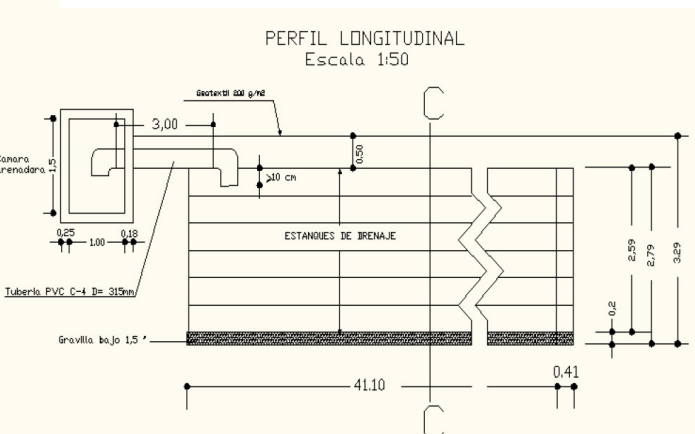
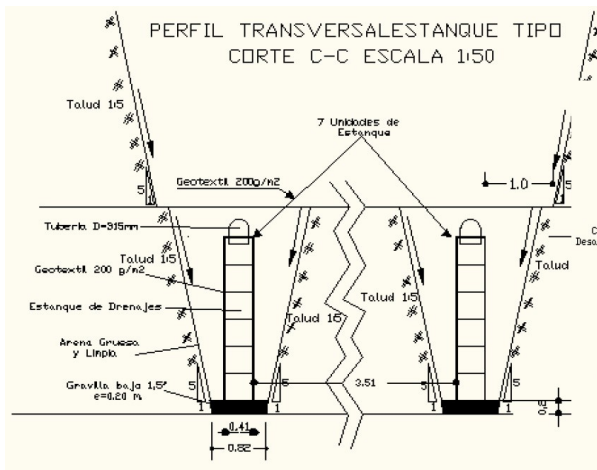
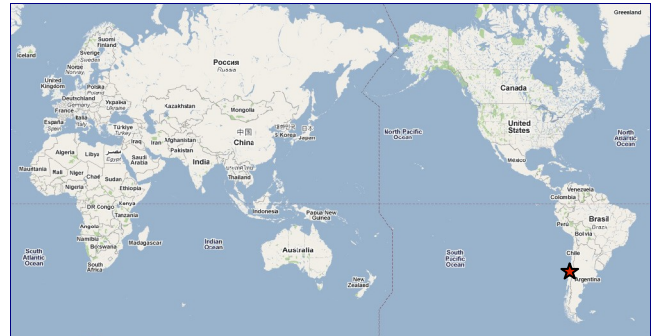
Hexa Module (6 high) with 4 small panels (2.6 x 0.41 x 0.685 meters each module).

Quantity Installed

8 Infiltration trenches with 308 linear meters (329 m³).

Depth of trenches

6 m above the top level of the modules.



Flood Mitigation



trenches provide a large storage (90% total volume), making possible to implement the solution in the site of the plaza.

The challenge: During rain events the extension of Ridge Avenue increases surface runoff which can cause flooding in low lying areas of the road.

Solution: The stormwater, previously treated with a sediment trap, is captured by longitudinal collectors of Dorsal Avenue and are transported to the network of Atlantis infiltration trenches. Atlantis infiltration

