# 02 PLAÇA DEL RIU SEC i PASSAREL·LA DE LA FARIGOLA

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public space 2014
AMB Àrea Metropolitana de Barcelona

## AIM OF THE INTERVENTION

For the development of this project we previously had to finish the definition of the planning of the set of Riu Sec II Sector, both its planning and its components: the subarea with school facilities, the subarea with sports facilities, the square and the footbridge. Within this context, the square centralizes the access to all the facilities and acts as a cohesive element of the whole area. Moreover, the footbridge improves the connectivity and integration of the Farigola neighbourhood with the square, with future facilities that will serve the neighbourhood and the rest of the municipality.

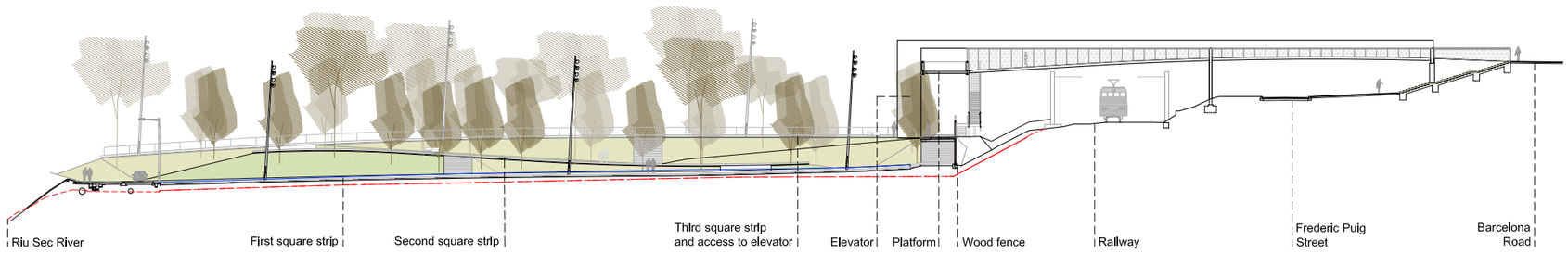
The project recognizes the topography of the environment and raises a gradient in the area of the square. This minimizes the effect of the slope and increases the perception of nearness to the residential neighbourhood. The future sports facilities will thus reduce its visual impact by placing them half buried in the screed floors without affecting the whole structure.

The footbridge over the railway and the square create the door and entrance hall of the future area of sports and school facilities that is partially in the process, thus becoming, a new central hub and a meeting point.

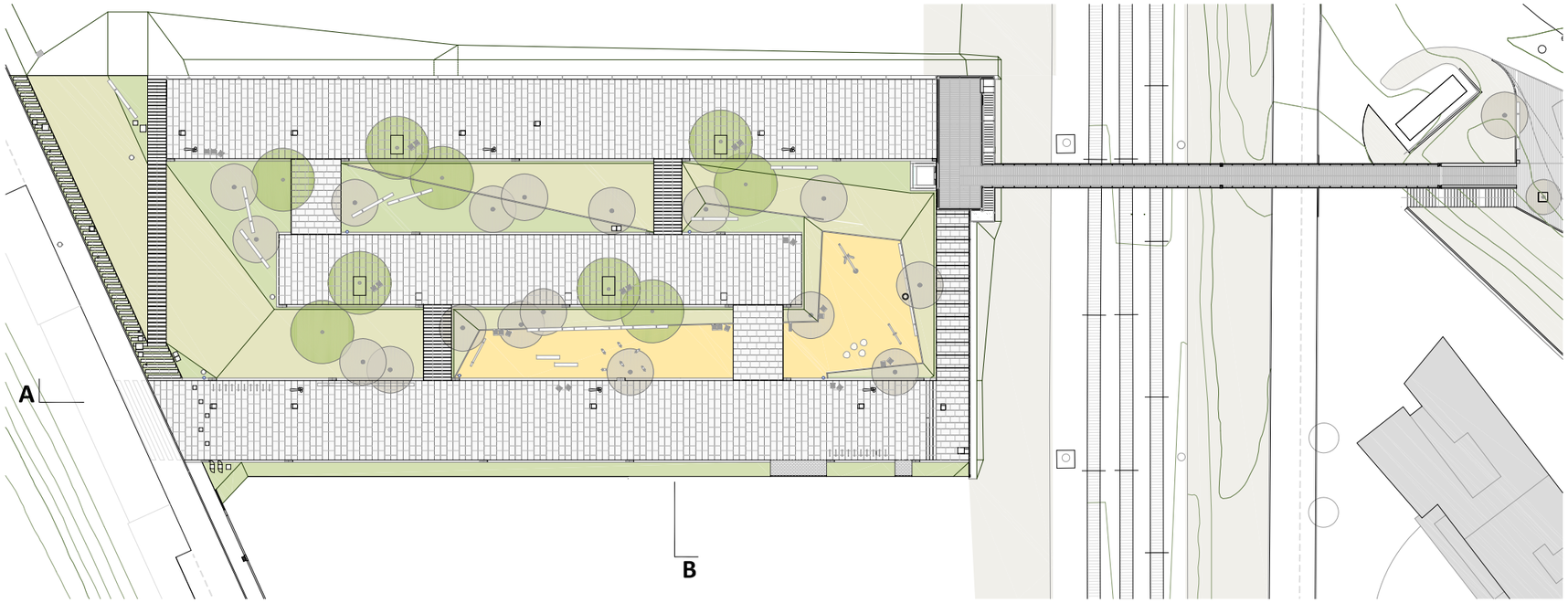
**general view of *Riu Sec* square**

**footbridge bottom view**

4 m **longitudinal section A**




**floorplan**



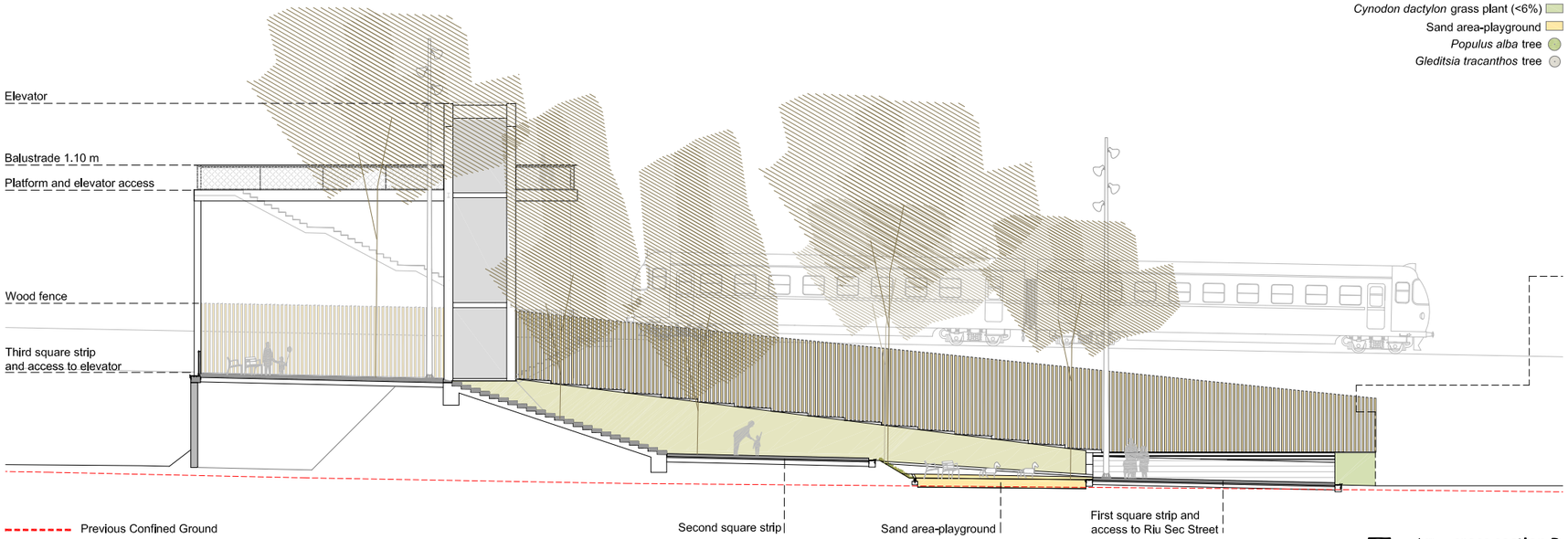

## DESCRIPTION OF THE INTERVENTION

The square is built with three strips of flooring that fold like carpets, following tangent radii of curvature and variable slopes -always lower than 6 %-, that allow gaining height up to where the elevator is located, 4.90 m above the previous level.

The strips, paved with large prefabricated concrete slabs (1.20 x 0.80 m), allow accessible routes. Two paved ramps, two stairs and a stair with a ramp offer other possible routes. These strips organize the whole space and are separated by interstitial areas that solve, with banks of different slopes, the difference in elevation between the strips. These south-oriented interstitial areas combine green areas, with rest playground areas.

The connection of the footbridge in each of its two ends is specifically solved to keep the accessibility. Next to the square there is a platform that acts both as a viewpoint and as an access to the lift. In the Farigola neighbourhood side, the footbridge crosses over Frederic Puig Street to fetch the slope of the Barcelona road, thus avoiding the need of a second lift. An horizontal beam drawer with a section of 100 x 40 cm and a length of 77 is the structure and main trace of the footbridge and is continuous with the sides of the elevator. The board, paved with wood, hangs from the beam according to a curved section so as to free the gauges of the street and the railway.

*Cynodon dactylon* grass plant (>6%)
*Cynodon dactylon* grass plant (<6%)
Sand area-playground
*Populus alba* tree
*Gleditsia tracanthos* tree




1 m **cross section B**