

# eco-Design of a Landscaping, rainwater management in a District, at Montceau Les Mines - France

URBAN PLANNING AND LANDSCAPING: eco-District and rainwater treatment BY PLANTS

Client:	City of Le Creusot Montceau
Location	Montceau les Mines
Project	Eco-design of a rainwater management in a district
Mission	Design concept and follow up mission, landscaping HQE®
Consultant	AR ARCHITECTES
Designer	Atelier d'Ecologie Urbaine
Area	40 000 m <sup>2</sup>
Cost	2000 000 €
Date	2011 - 2012



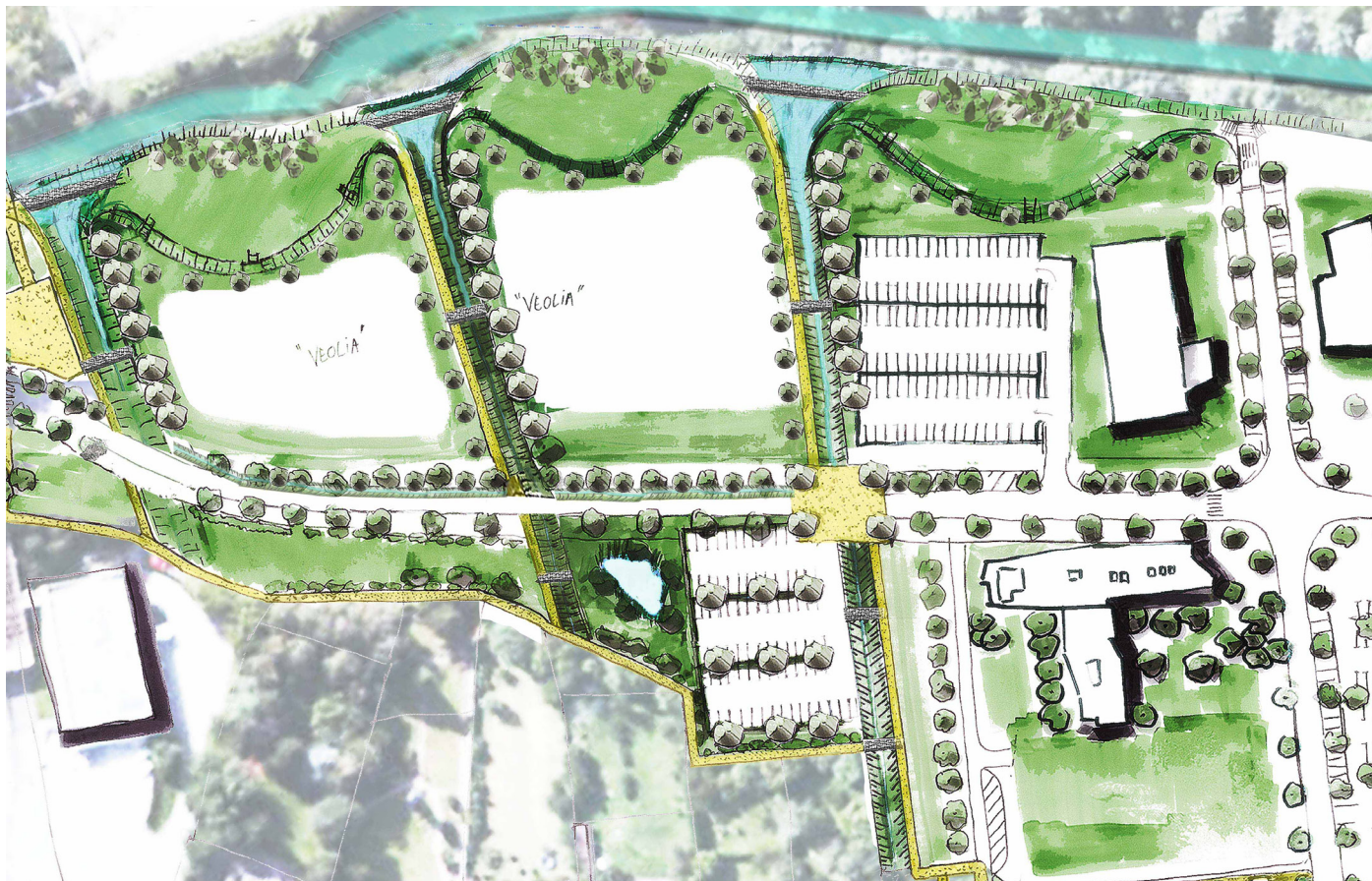
Landscaping mass plan



Designed landscaping pedestrian walkings along the river "La Bourbince"

The place is characterised by a large number of physical and visual limits in the lengthwise of the district "Les équipages". The objective was to collect water flowing to the heart of the district by creating planted ditches directing water to the river "La Bourbince".





Water coming out of the channel is collected through filtering green ditches. These ditches direct water to the river "La Bourbince".



Transformation of an existing road to a green road



Example of a planted ditch.

## HQE® targets

### Target 1 : HARMONIOUS relation OF THE BUILDINGS WITH THEIR IMMEDIATE environment

AR ARCHITECTES and AEU have developed a project with technical, functional and landscaping osmosis:

- Promoting the area and finishing the land settlement of the district "Les équipages".
- Developing a higher quality for public spaces.
- Linking the Bourbince with the district, and the Bourbince with the city.
- Cleaning a volume of water of 16 000m3
- Preserving and supporting the water flow.
- Keeping the larger spaces of land for futur industrial projects.
- Anticipating future destruction of southwest garage.
- Integrating the landscaping of a walkway along the Bourbince.

### Target 5 : water management

- Taking up the current water system
- Organizing the management of storm water.

