



Iceland
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Vila do Conde
Câmara Municipal



Riparian buffers and watercourses of the Regional Protected Landscape of Vila do Conde's Coastline and Ornithological Reserve of Mindelo





THE SILVARES STREAM

Largest extension
watercourse that crosses
the protected landscape.

It travels through
agricultural and forest
areas and advances
towards the sea through
the dune system,
to its mouth.

RECOVERY AND VALORISATION OF THE STREAM

The planned actions are part of a municipal and metropolitan strategy, aimed at enabling the territory to face up the expected threats posed by climate change.



IN ECOLOGICAL TERMS

Giving priority to the reinforcement of native species, with the characteristics of riparian forest, as a support for the ecosystems and preservation of the landscape.



IN HYDRAULIC TERMS

The aim is to provide a better flow fit for small and for extreme flows, allowing different water heights and speed values, thus preventing risks of erosion and bank instability.





THE SILVARES STREAM

Carries out extraordinary important functions:

- in the control of the water sediment runoff,
- in the interception of nutrients,
- reducing erosive processes,
- increasing biodiversity,
- in the aesthetic enhancement of the landscape.

It is made up of very rich riverside ecosystems, with the capacity to support plant, animal and human populations, with their own dynamism and complexity.



PLANNED ACTIONS

consolidation of margins and beds

- Insertion along the bed of small stone rockfill dams, creating hydraulic retention basins;
- Controlled sediment removal from the bed;
- Replacement of its cross-section where it has been grounded or strangled;



PLANNED ACTIONS

eradication and substitution

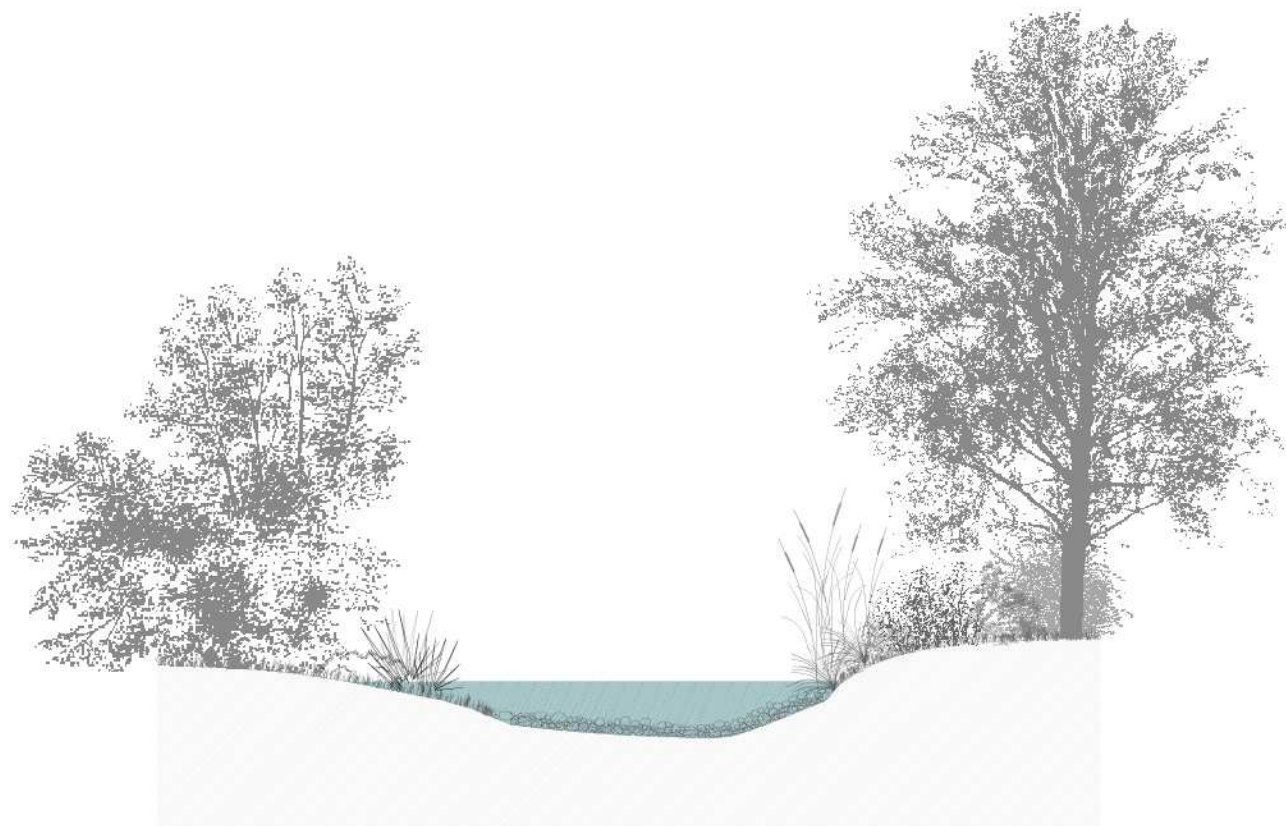
- Controlled removal of exotic and invasive vegetation through eradication and replacement techniques;
- Stimulation and strengthening of spontaneous native vegetation.



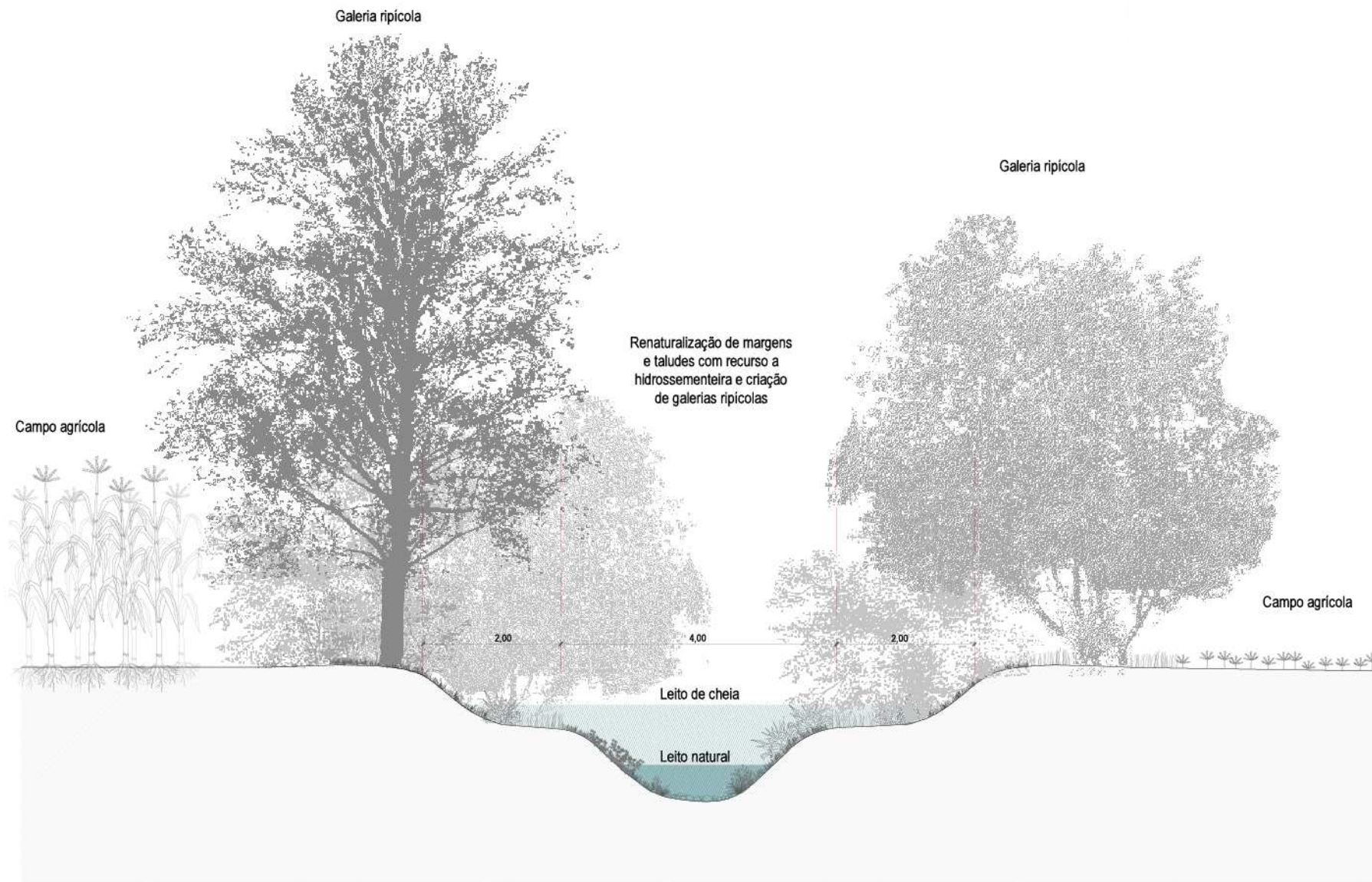
invasive vegetation



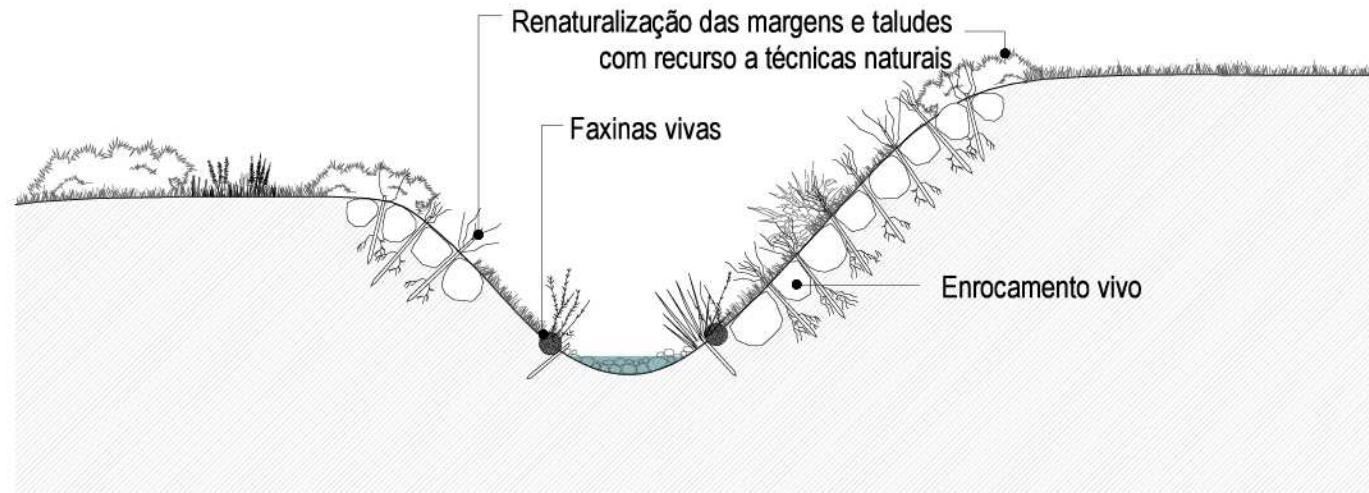
native vegetation



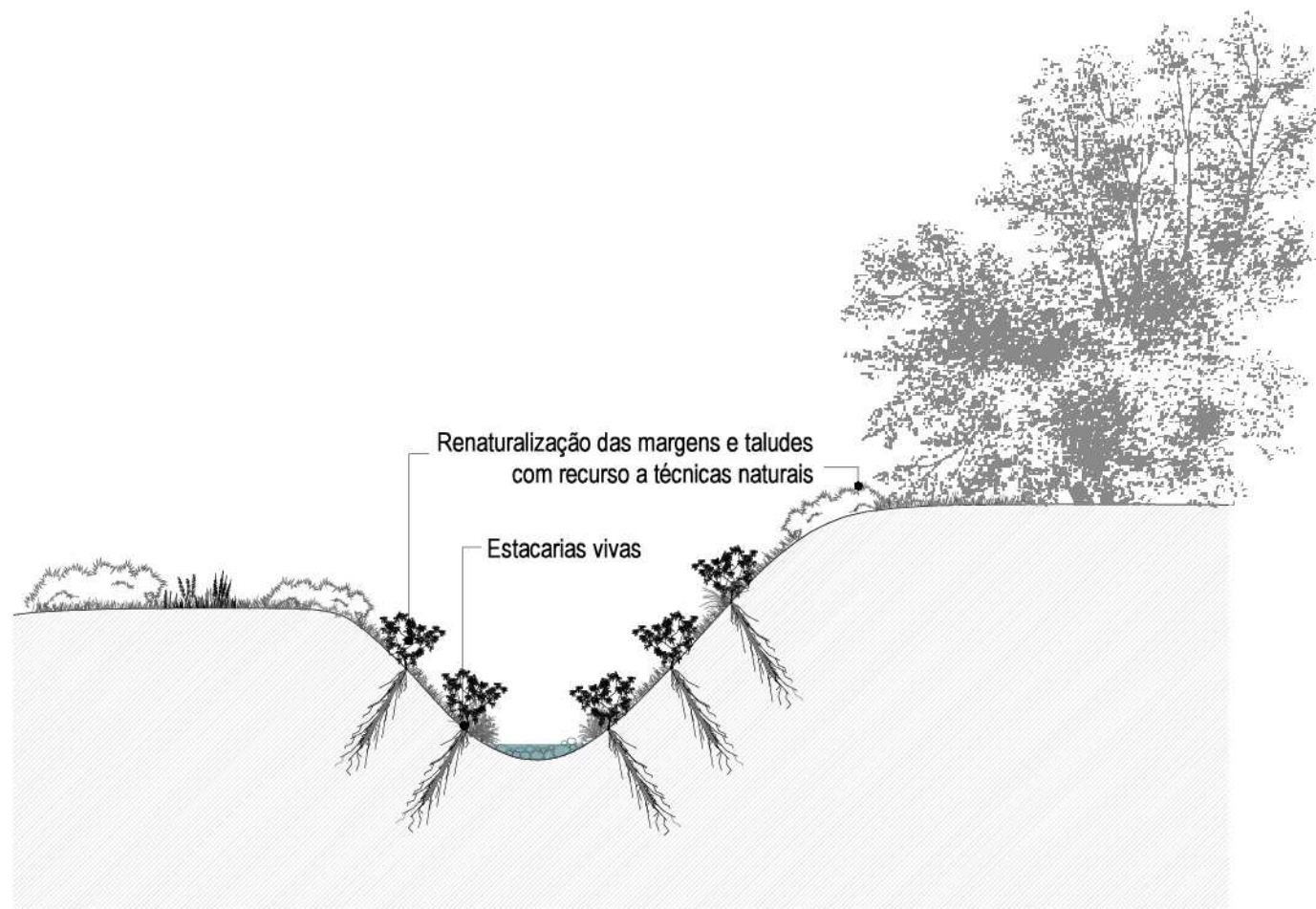
Bacia de Retenção com bordadura herbácea e arbustiva



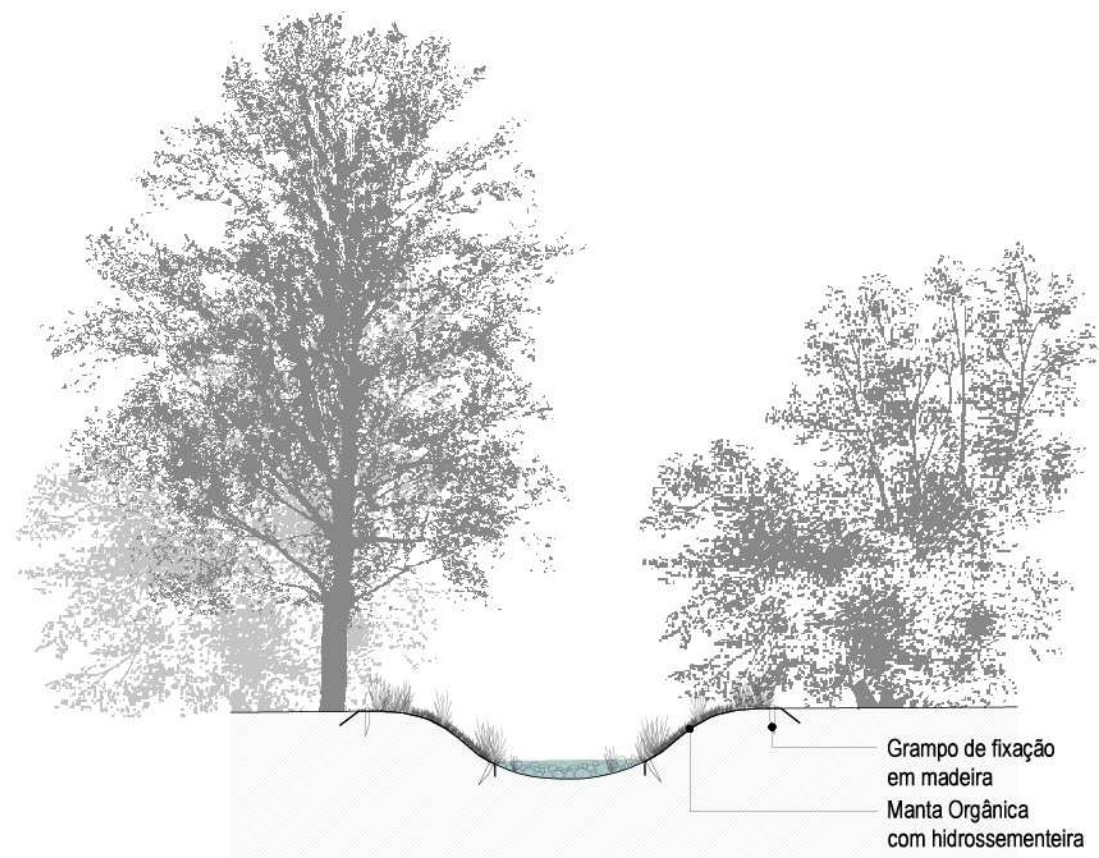
Criação de **galeria ripícola** com **renaturalização de margens e taludes**



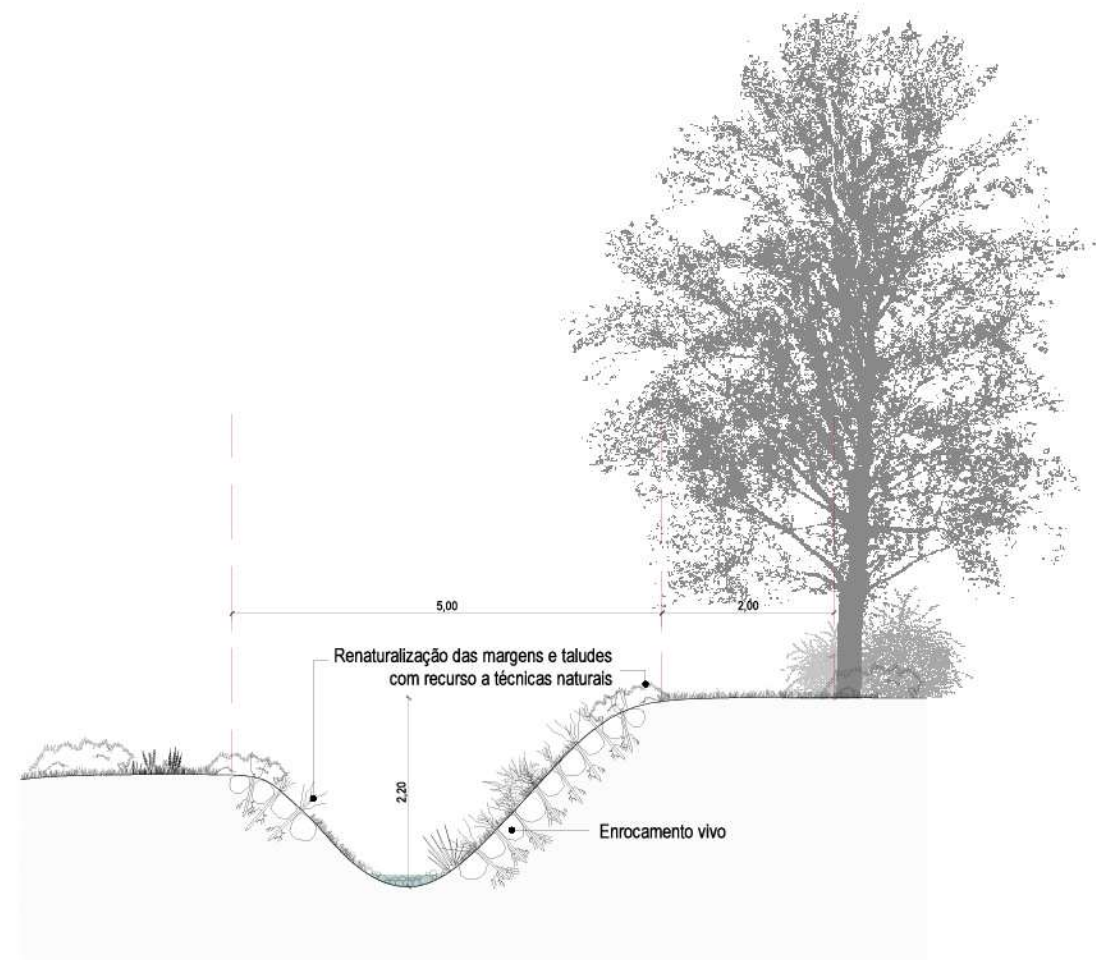
Faxinas vivas



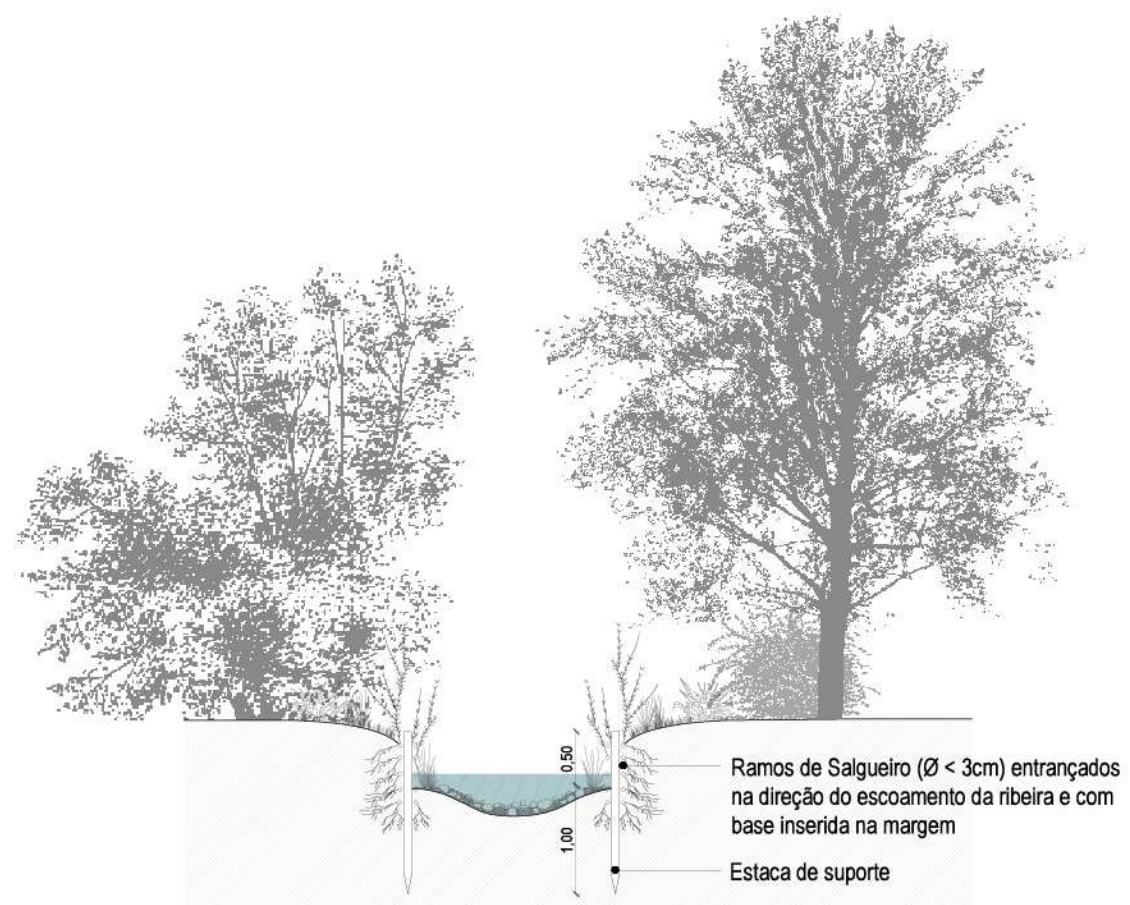
Renaturalização das margens com recurso a Estacaria viva



Manta Orgânica com Hidrossementeira



Enrocamento vivo



Entrançado vivo