REMODELLING OF THE STREETS IN THE CENTRAL SHOPPING DISTRICT

SANTA COLOMA DE GRAMENET

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02

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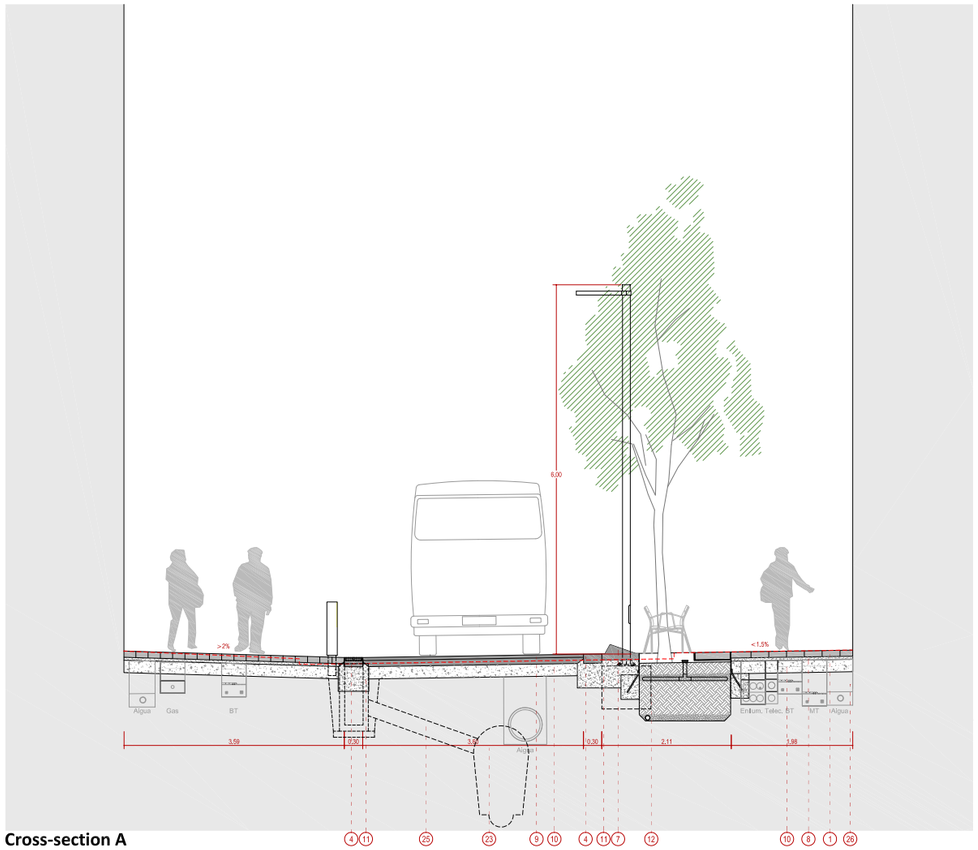
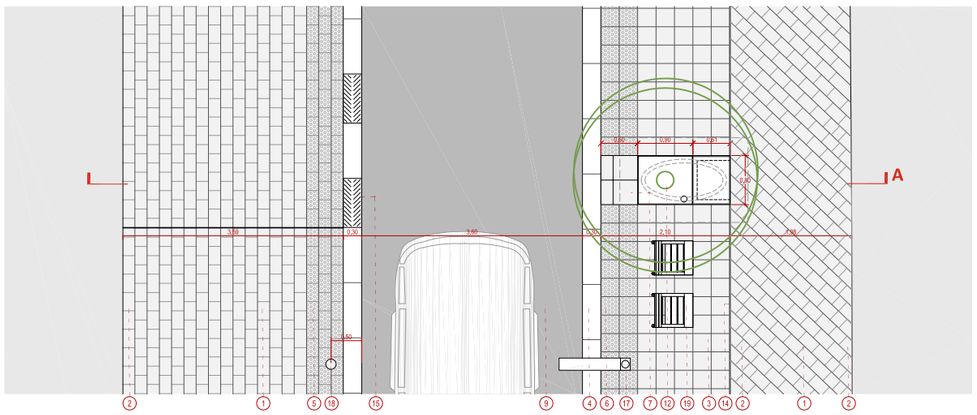
DESCRIPTION OF THE WORKS

Works in well-established urban areas approach surgical operations, owing to the installations in the subsoils and because compacting pavement foundations can affect the existing buildings. For this reason, concrete plates were built over the existing sub-foundations.
With regard to road paving, the innovative prefabricated concrete piece merits mention, Breinco VS 5 System, due to its mechanical performance, luminous colouring and material, and for its dry laying over aggregate, grouted with sand, and drainage in the foundation.
Adapted and low maintenance trees were selected. The tree pits were created from large holes with underground draining to protect the roots and prevent them from coming to the surface and lifting the pavement.
LED lighting represents a more efficient light source and made it possible to reduce the installed power per light point. The light flux during less busy hours was also reduced.
Undesired light intrusion on façades was prevented by concentrating flux on the areas to light. For the sewers, the insides of the existing sewers were refurbished with glass fibre without having to demolish them, minimising waste and disturbances to the neighbours.



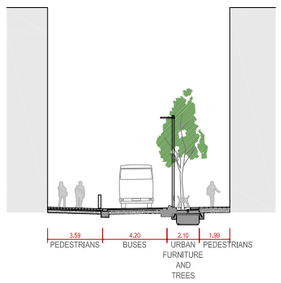
Cross-section A

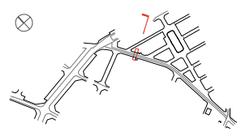


1. Prefabricated paving stone VS-5, 20x30x10 cm
2. Prefabricated paving stone VS-5, 20x30x10 cm cutted according to the pavement limit
3. Prefabricated paving stone VS-5, 30x30x10 cm
4. Granitic kerb, 90x30x15 cm
5. Prefabricated tactile paving stone, 20x30x10 cm
6. Prefabricated tactile paving stone, 30x30x10 cm
7. Granitic stone, 60x40x10/25 cm
8. Gravel layer, 5 cm
9. Asphalt pavement
10. Concrete slab, 20 cm
11. Concrete base
12. Tree pit B, 1.51x0.80 m
13. Pavement joint, 8 mm
14. Metal sheet,1 mm as pavement joint
15. Prefabricated gutter,30x70x100 cm
16. Double gutter, 60x70x100 cm
17. Streetlamp Rama LED, 6m
18. Bollard, 950x168 mm
19. NeoRomantica Chair
20. Underground container
21. Underground container mailbox
22. Pavement adapted to the conteiner opening system
23. Existing sewerage network system
24. New sewerage network system
25. Connection to the sewerage network
26. Existing facilities

View of Avinguda Generalitat after the intervention

View prior to the intervention





View of Avinguda Generalitat and Plaça Manelic prior to and after the intervention

2 m

AVINGUDA DE LA GENERALITAT