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 plate mixes were used, Brescia V5.5 System, due to its mechanical performance, luminous colouring and material, and for its dry laying over aggregate, grouted with sand, and drainage in the foundations. Adapted and low maintenance trees were selected. The tree pits were created from large holes with underground drainage 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.

Underside light emission 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.