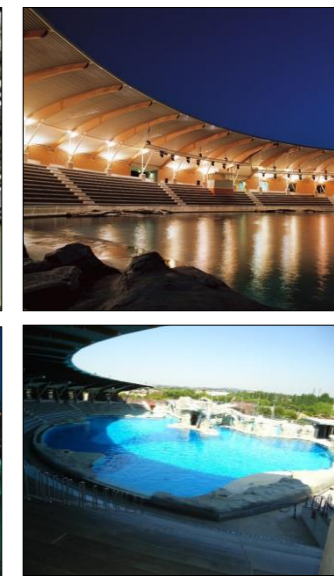


## FEATURE OF TECHNICAL SERVICE

<b>Subject</b>	Executive design, works supervision, laboratory and situ tests for the construction of theme park on marine life and flora, called «Oltremare», in Riccione (Province of Rimini).	
<b>Carried out by</b>	SGAI Srl of E. Forlani & C.	
<b>Client</b>	OLTREMARE Srl	
<b>Service length</b>	2000 - 2004	
<b>Value of works</b>	€ 54'227'974,40	
<b>Categories value</b>	S.05	€ 1'817'928,28
	S.06	€ 7'318'194,27
	D.04	€ 609'419,14
	V.02	€ 2'453'170,27



## ROAD ALIGNEMENTS – Modelling, interference and checks

The analysis and study of road tracks was conducted by three-dimensionally modelling the morphology of the ground and project infrastructure with the help of a special road design software (*Bentley Moss MX Road*), thanks to which it was possible design and verify both the new road alignments and the new intersections, as roundabouts connecting to the existing road. Thanks to the modelling, it was also possible to assess interference with existing subservices, including the appropriate water regimation work and earthworks.



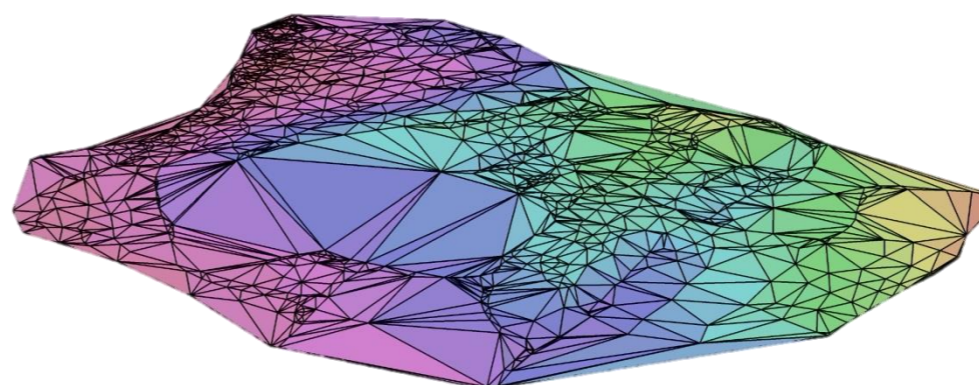
General infrastructure plan

## ROADWAY AND JUNCTION – Design issues and their resolution

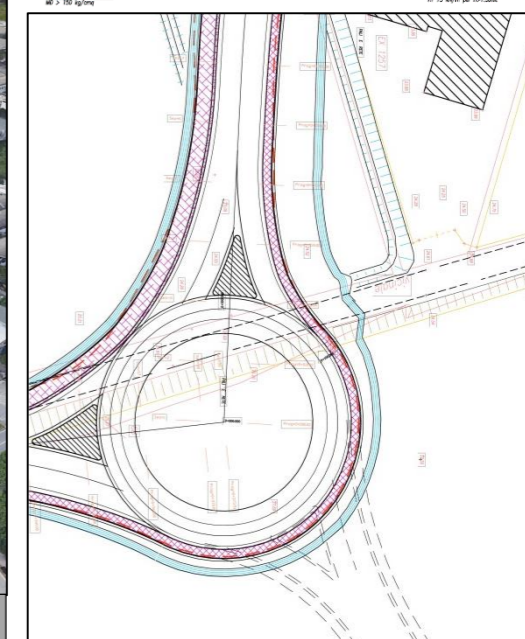
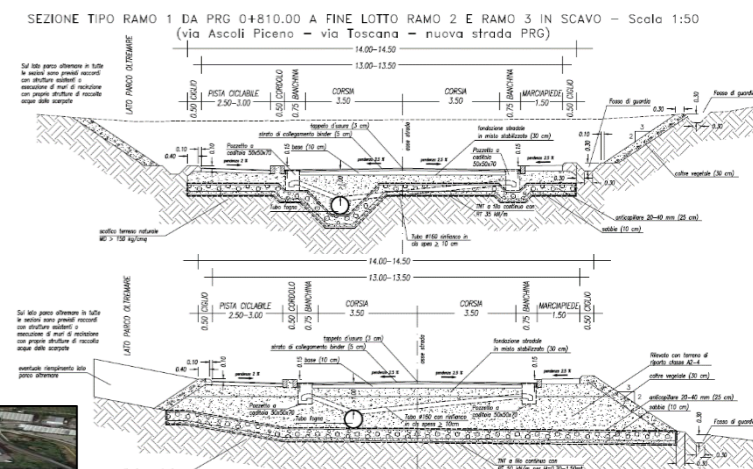
The areas covered by the intervention are located on the Riccione Hill (Rimini Province) between Via Berlinguer, Via Pistoia, Via Toscana and Via Ascoli Piceno covering an area of about 122,000 square meters. The entrance will take place from the Ascoli Piceno street next to the current entrance of the «Aquafan» park.

The project of the new marine flora and fauna theme park «Oltremare» also includes the completion of an urban section of road way on the perimeter of the area being covered. The new road section is classified as a urban street of type “E” (330m length) and the adaptation of an existing branch (350m length) to the geometric features imposed by the legislation (D.M. 5 November 2001). The intersections between the different road branches introduced and the existing roadway have been modified by introducing wide roundabouts, thus allowing better traffic outflow and facilitating the manoeuvres of buses coming to/from attractive new pole.

The intervention also includes the project of the meteoric water disposal and regimation system of its catchment basin. In fact, there are also two lamination tanks on the ground (volume of 750 and 550 m<sup>3</sup>) complete with the technical system necessary for the hydraulic regulation of the exhaust.



Aerial view of completed infrastructure



ROADS AND RAILWAYS