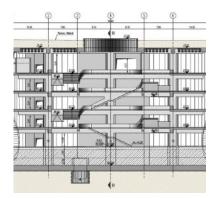
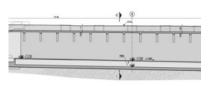


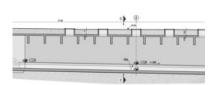


## **CAMPO ALEGRE LINE**

TECHNICAL ADVISORY FOR THE ELABORATION OF THE PRELIMINARY STUDY/ REFERENCE SOLUTIONS IN THE SPECIALTIES OF LAYOUT, TUNNELS, STATIONS (EXCAVATION, STRUCTURES AND ELECTRO MECHANICS), GEOLOGY-GEOTECHNICS AND SPECIAL STRUCTURES.







Client: Metro do Porto - Project Division

Location: Metro Do Porto

Design date: 2010 - 2011

**Services:** Technical advisory for the elaboration of the Preliminary Study/ Reference Solutions in the specialties of Layout, Tunnels, Stations (excavation, structures and electro mechanics), Geology-geotechnics and Special Structures.

## Summary:

New line having 9.9 km long on the right bank of the River Douro, mostly underground. The line has 13 stations, of which 12 are underground - 8 cut and cover and 4 shafts and / or galleries).

SEE ONLINE

These documents are property of NSE - Consultores de Engenharia, Lda. Its content is made available exclusively for the purpose of disclosure of the company's activity and its use is prohibited for any other purpose without the prior written consent of NSE.