

## GEO-AQUEDUCT MODULE

### Water distribution section

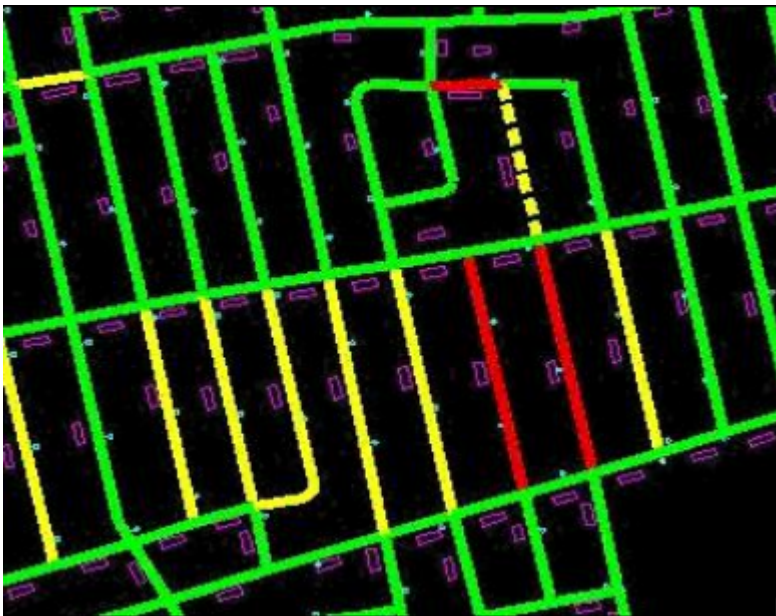
The Geo-Aqueduct module is divided in two sections: water distribution analysis and water quality analysis.

The water distribution section consist of a complete environment allowing the design and analysis of water distribution systems.

### Characteristics of the module

The water distribution section allows to:

- visualize real or fictitious information for each conduits or nodes and the results of each water distribution scenario;
- visualize and / or print the text results for a specific sector or for the whole network;
- graphically consult the results of a selected scenario for a sector or for the whole network;
- provide a legend and default values for each graphic view of a data.



*The options of the module:*

The water distribution section calculates:

- the Hazen-William coefficient;
- the velocity of the water;
- the flow rate;
- the water lying period;
- the water load;
- the pressure.



The module allows to model complex hydraulic situations:

- on the existing network (without any changes);
- with simulated changes in the network (diameter, material, year, etc.);
- with a simulation of one or more fires;
- for the current or future year;
- with the possibility to combine different options;
- with the possibility the save each scenario.