



ENGINEERING-CONSULTING SERVICES FOR WATER SUPPLY, WASTEWATER AND IRRIGATION SYSTEMS OF “VAHAGNI” DISTRICT IN YEREVAN

Country Republic of Armenia
City Yerevan
Client “Hovnanian International” Ltd.
Duration 2004 – 2005

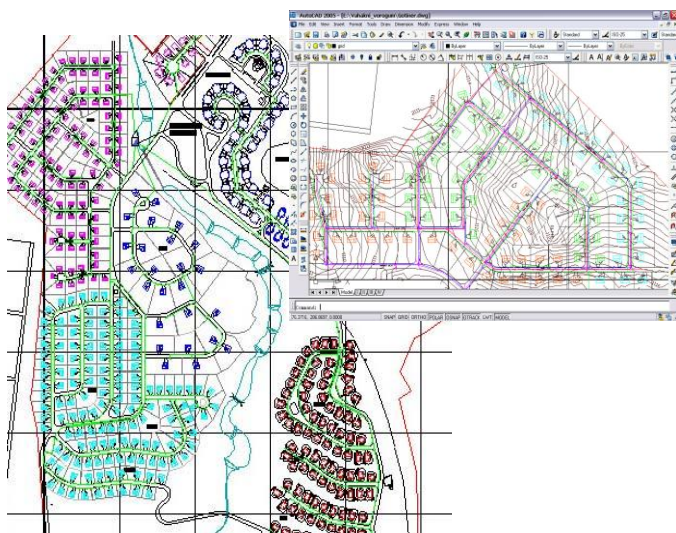
Terms of Reference

1. Field instrumental investigations, proposals for improvement of certain nodes of the operating systems
2. Development of general plans of water supply, wastewater, rainwater and irrigation systems.
3. Development of design drawings.



Brief description of project and services provided

- ✓ In Yerevan city’s “Vahagni” district, which covers an area of around 150 ha, it is planned to construct about 500 2-3-storey private houses, a school, golf course and a number of other facilities.
- ✓ As a result of field instrumental investigations the operating water supply and wastewater systems were clarified, the technological nodes needing urgent improvement were identified.
- ✓ The general plans of water supply, wastewater, rainwater and irrigation systems of the district were developed.
- ✓ The options considered during the development of general plan were developed by ArcGIS software and the hydraulic calculations for justification of their feasibility were implemented with “Epanet” software.
- ✓ The design drawings of water supply, wastewater, rainwater and irrigation systems of III and V districts were developed. The design drawings were developed with “AutoCAD” software.



Project objective:

Development of general plans of water supply, wastewater, rainwater and irrigation systems and development of design drawings of engineering systems of separate sub-districts on their basis.