

Roads and Infrastructure in South of Al Meshaf -Package 01

Client

SACYR – MEDGULF JOINT VENTURE

Scope of Work

Design Validation
Detailed Design
Construction Documents

Location

Qatar

Types of Activities

Hydraulic Modeling
Geotechnical Investigation Review
Drainage Network Design
Foul Network Design
Structural Design

Located 5 km west of Al-Wakrah, the project area of Al-Wukair straddles Al-Wukair Street. The QS049 project (3 contracts) serves a predominantly residential community spreading over an area of 2,300 ha; as a part of Zone 91 masterplan. It includes approximately 9,726 residential plots, 1,600 commercial plots, 4 schools, 3 reserved government plots, 21 mosques, 13 parks and 226 open space / green areas.

South of Al-Meshaf (Package 01) covers an area of 117 ha and encompasses a 6 km trunk main with diameters ranging from 2000 mm to 2400 mm along Al-Wukair Street.

The scope of works includes:

- Complete design of Foul Sewer Network for Zone-1 and Zone-2

- Complete design of Foul Water Tunnel with associated shafts
- Hydraulic model (INFO-works ICM)/design calculations
- Utility clash analysis
- Authority design review approvals (QDRS)
- Structural design of temporary/ permanent micro-tunneling shafts
- Geotechnical review for evaluation of sub-surface conditions and determination of design parameters
- Slope Stability Analyses
- Proposed Dewatering Lagoon

