

# Qetaifan Island North at Lusail Qatar – Phase 01

## Client

Qetaifan Projects LLC

## Scope of Work

Project Management  
Construction Supervision

## Location

Qetaifan Island North, Lusail, Qatar

## Types of Activities

Architectural  
Civil  
Electrical  
Geotechnical  
HVAC  
Instrumentation and Control  
Infrastructure  
Landscaping  
Mechanical

The project consists of the following components:

### • Three Bridges:

- Bridge 1: Length 32 m, width 26.2 m, one lane in each direction, width of traveling lane 3.3 m with no median.
- Bridge 2 and 3: Length 32 m and width 43.8 m, two lanes in each direction, width of traveling lane 3.65 m with 6-meter median.

### • Asphalt Roads:

- Major Urban Collector Road 01: Total length of 1025.753 m
- Minor Urban Collector Road 01: Total length 1350.746 m
- Major Urban Collector Road 02: Total length 569.433 m
- Minor Urban Collector Road 02: Total length 263.065 m
- Urban Local Access Road 02: Total length 52.607 m
- Minor Urban Collector Road 03: Total length 44.905 m
- Urban local Access Road 06: Total length 39.164 m
- Minor Urban Access Road 09: Total length 46.29 m
- Urban Local Access Road 10: Total length 545.809 m
- Urban Local Access Road 11: Total length 204.772 m
- Urban Local Access Road 12: Total length 214.591 m
- Urban Local Access Road 13: Total length 204.186 m
- Urban Local Access Road 14: Total length 204.148 m

- Urban Local Access Road 15: Total length 42 m
- Urban Local Access Road 16: Total length 204.381 m
- Urban Local Access Road 21: Total length 1484.66 m
- Urban Local Access Road 23: Total length 137.118 m

Total lengths of all roads is 6,429.25 m.

- **Wet Utilities:** sewer pipes (4.6 km, dia. 200, 300, 400 & 600 mm); storm water pipes (6.6 km, dia. 200, 300, 400, 500, 600 & 900 mm); treated sewage effluent (12 km, dia. 125, 150, 250, 315 & 355 mm); and district cooling pipes (12 km, dia. 200, 250, 300, 400, 500, 600 & 700 mm).
- **Dry Utilities:** gas networks (13 km); potable water networks (17 km, dia. 100, 150, 200, 300 and 400 mm); telecommunication networks (13 km); unified government networks "Gas" (7 km, dia. 32, 63, 90, 125, 180, 250 mm); street lighting (17 km), electrical cables (HV: 34 km, MV: 34 km and LV: 11 km); and CCTV that captures up to 6 km.
- Design and Build for 11/0.4 kV distribution substations
- Two Sewerage Pumping Stations:
- Sewerage Pump Station No. 1: 2 submersible pumps; 1 working & 1 standby with flow rate of 143 l/s and head of 20.08 m
- Sewerage Pump Station No. 2: 2 submersible pumps; 1 working & 1 standby with flow rate of 101 l/s and head of 11.15 m
- Soft-, hard-, and street-escaping
- House Connections





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