

Khorfakkan University Accommodation and Recreational Facilities, Sharjah



Tensar Aesthetic Landscape Walls for Khorfakkan University

Sharjah, UAE

Architectural landscaping works at Khorfakkan University required aesthetically appealing retaining structures to complement the surrounding environment. Tensar delivered the TensarTech TW1 ME modular block wall system, enabling the construction of durable, visually attractive MSE walls that met both structural and architectural requirements.

CLIENT'S CHALLENGE

The project comprised 27 landscaping walls in single-tier, multi-tier and back-to-back configurations, integrated with various architectural features. Key challenges included achieving visual harmony within a tight programme, designing around stairs and boundaries, accommodating columns within reinforced zones, and providing for planting above the walls.

TENSAR SOLUTION

Tensar delivered the TensarTech TW1 ME modular block system, an aesthetic, engineered solution meeting the project's landscaping requirements. It accommodated

B E N E F I T S

- **Architectural block finish** matching project aesthetics
- **Engineered MSE solution** ensuring long-term stability
- **Flexible system** adaptable to varying layouts



PROJECT DETAILS

Application
Walls | No. 576

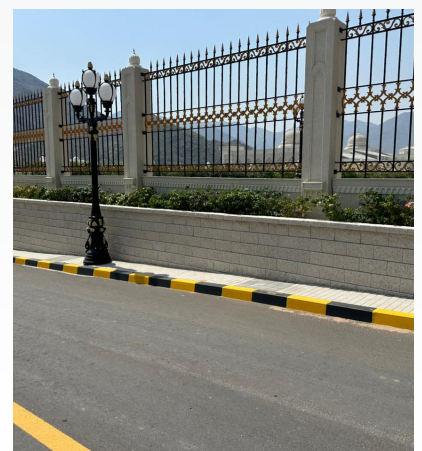
Constructed in
2024

Contractor
**Darwish Engineering Emirates LLC
(Darwish)**

Architect/Consultant
QHC Architects & Engineers

Client
**Department of Public Works, Government
of Sharjah**

Tensar Distribution Partner & MSE Wall
Installer
Pioneers of the Middle East, PLC. (POME)



Single Tier TensarTech TW1 ME
Modular Block Wall

tiered and back-to-back walls, curves with radii up to 7.0 m, interfaces with stairs and boundaries, columns within reinforced zones, and planting provisions for seamless integration with the development.

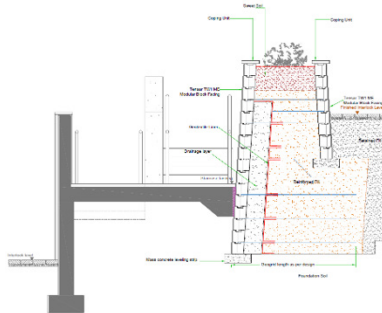
PROJECT BACKGROUND

Established in 2022, the University of Khorfakkan, Sharjah, occupies over 50 acres at the foothills of the Hajar Mountains near the Khorfakkan coastline. The development included extensive landscaping works for accommodation and recreational facilities, requiring retaining walls along plot boundaries.

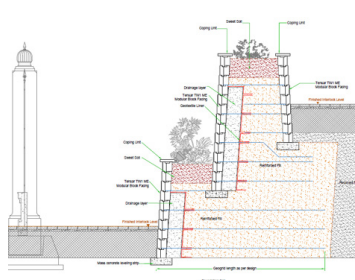
To maintain the development on an elevated platform, a series of low-height retaining structures were constructed, including single-tier, tiered, and back-to-back walls. In selected areas, upper-level back-to-back walls were used to create the appearance of planted landscape zones.

The project incorporated 2,700 m of modular block walls covering approximately 4,900m². A light grey textured finish was chosen to ensure the MSE walls blended with the surrounding environment while supporting the project's visual identity.

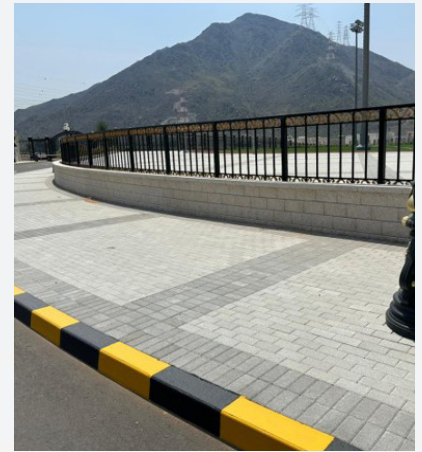
Tensor's TensorTech TW1 ME modular block wall system was selected for its proven regional track record, providing structurally efficient MSE walls and the required architectural finish while complementing the surrounding landscape.



TensarTech TW1 ME Wall at Stair Location



*Tiered TensarTech TW1 ME Wall
with Landscaping on top*



*TensorTech TW1 ME Wall
Curved Layout*



*Tiered TW1 MSE Modular Block
Wall near Stairs*

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