

# Tengri Park Private Estate, Almaty, Kazakhstan

## Private Residence Chooses Rain Bird® for Lush Landscaping With Less Water

Tengri Park is a new housing development on the outskirts of Almaty, Kazakhstan's largest city. Residents pride themselves on green lawns and beautiful landscaping. They also enjoy stunning views of the nearby Tian Shan mountain range and its 7,000-meter peaks.

### The Challenge

The homeowner hopes to transform his undeveloped lot into the perfect private estate complete with a new home, swimming pool, and lush landscaping. He wants an irrigation system that can bring his vision to life using minimal water. The system must perform well despite the lot's hilly location.

### Key objectives

- ✓ Irrigate lawns, flowers, and trees
- ✓ Conserve water
- ✓ Help new plants take root
- ✓ Enable remote management

### The Solution

Rain Bird® will partner with **Fluidra Kazakhstan**, a global leader in water efficiency and sustainable pool systems to design and install a high-quality irrigation system that will help the new landscaping take root and thrive. The team will choose efficient components to support the homeowner's water conservation goals. They will also include an innovative controller for convenient management.

1800™ Series Spray Heads



### Products used

- [1800® Series Sprays](#)
- [R-VAN Rotary Nozzles](#)
- [ESP-Me Series Controller](#)
- [LNK2 WiFi Module](#)
- [IQ™ Central Control](#)
- [WR2-48 Series Wireless Rain/Freeze Sensor](#)
- [XFS-CV Dripline](#)

## Approach

### Avoid low-point drainage

Rain Bird **1812 SAM Sprinklers** will provide reliability and versatility using minimal water. These heads come with built-in check valves that will provide leak protection and prevent wasteful low-point drainage throughout the hilly lot. Their innovative, pressure-regulating stems will save up to a gallon of water per minute.

### Deliver efficient performance

**R-VAN nozzles** will deliver precise, uniform watering for new plantings in both wide and narrow areas around the pool and throughout the property. **XFS-CV Dripline** will adequately irrigate flowers and shrubs. This advanced on-surface dripline also features built-in check valves to avoid overwatering at the low point in the zone. The lines will be covered with mulch to render them virtually invisible.

### Enable easy management

The **ESP-Me Series Controller**, **LNK2 WiFi Module**, and **IQ Central Control** will enable convenient, user-friendly management for this medium-sized lot—saving the homeowner time while conserving water. A **WR2-48 Series Wireless Rain/Freeze Sensor** will further contribute to precise regulation of irrigation coverage.



## Results

### Showstopping Sustainability

This private estate is a neighborhood showstopper. Everything is green and the trees and flowers are thriving with minimal water. This efficient system is fully automated, requiring little time and effort from the homeowner. In the future, irrigation can be adjusted to use even less water as plants mature.

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*“Tengri park is a brilliant example of proper irrigation. The lawn looks uniformly green, all trees and shrubs have successfully taken root, and flower beds are blooming thanks to drip irrigation. The landscape is healthy and maintenance does not require a lot of time or effort.”*

**Mikhail Borisov**

General Manager, Fluidra Kazakhstan

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