

APPLICATION BRIEF

Municipal Water Supply Well Site



GUARD TOWER® MATRIX WIRE ARRAY PERIMETER SECURITY SYSTEM

About the Facility

A western U.S. city, processing about 35 million gallons of water per day installed the Guard Tower system at one of the city's newer well sites consisting of a 100' x 120' perimeter and one well house building. The perimeter consists of a 6-foot tall brick wall with an additional 3-foot tall metal security fence on top of that.

The Guard Tower is a 3-foot tall system mounted on top of the brick wall. It provides intrusion detection capabilities to a 440-foot long perimeter which includes three gates; one sliding gate, one double swing gate and one man gate.

Comments are from the Utilities Manager with the city. For security reasons, the city is requesting that it not be named.



Perimeter Security Challenges

- Detect the presence of intruders
- Minimize false alarms requiring staff and/or police response
- System must be attractive and blend into look of residential neighborhood
- Corrosion- and weather-resistant
- Minimal maintenance

Detect Intruders

“Most fences are just hardened physical security; they don’t have intrusion detection capabilities. Our intent was never to keep intruders out, rather we want to know that they are trying to get in. We have major concerns about vandalism. With the intrusion detection capabilities of the Guard Tower, we will know something is going on and, more importantly, precisely where it is happening.”

Minimize False Alarms

“False alarms are not good. They consume resources and decrease staff confidence. In addition, it is becoming more and more common for local law enforcement to not respond to an alarm unless it has been validated.

With the Guard Tower we have had no false alarms. Our confidence in the system is very high and staff members feel they can trust it. Police will automatically respond because it is a smart intrusion detection system and any alarm from it is considered validated. This is important as it does not require a staff member to drive to the site and verify the cause of the alarm prior to police response.”

Aesthetics

“This is a newer well site and it has won architectural awards for design. We wanted a perimeter product that was going to look good and complement the facility. The Guard Tower sort of blends in and looks good, while at the same time being imposing. Our system is not electrified, but it looks imposing and like it is electrified. That in itself is a deterrent.”

Minimal Maintenance

“Since we live in a coastal community, we are dealing with a lot of salt spray and corrosion issues. The Guard Tower is hardened plastic with weather-proof components so it will stand up to the environment.

“We also liked the fact that it integrated with our existing SCADA system without any special development or interfaces required. There was no extra development time required of our staff to get the system working.”



zarebasecurity.com

Minneapolis, MN USA

763 509 7437

©2006 WS-010-6

Oakham, Rutland UK

0044 (0) 1572 725911