STARWATCH™
GMS

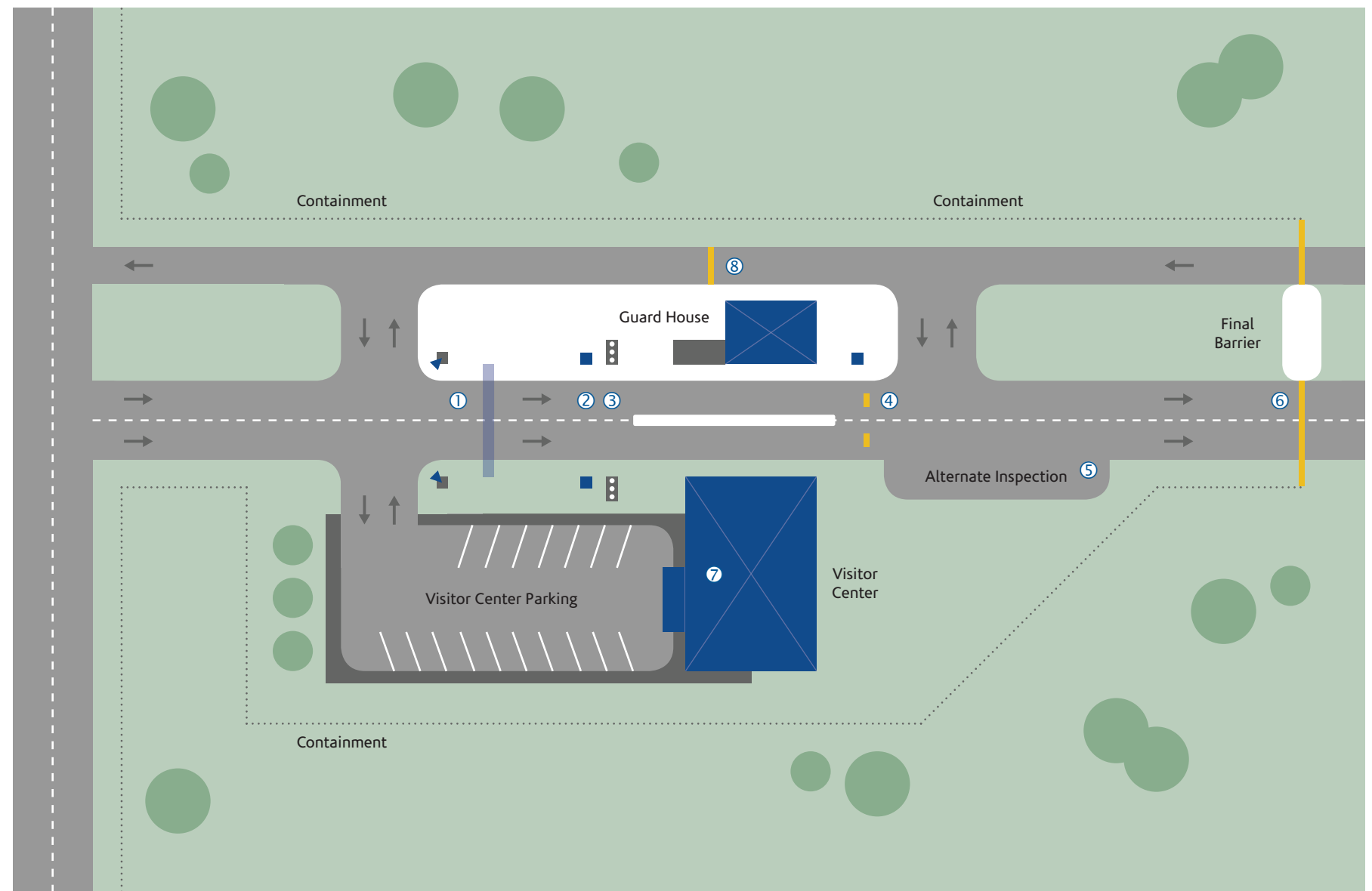## TYPICAL SYSTEM INSTALLATION

Featuring modular gate control software/hardware components, StarWatch GMS can easily adapt to a wide range of applications and environments. The diagram to the right represents just one version of a fully implemented StarWatch GMS installation, shown complete with a manned guard house, a visitor center, an alternate vehicle inspection area, and an emergency fail-safe barrier design. Gate management solutions can be scaled down to suit more modest applications or expanded to incorporate multiple entrances/facilities and diverse security technologies. An open communications design allows for the rapid integration of third-party peripherals, including identification readers, traffic indicators, alarm assessment equipment, delay and denial barriers, and CBRNE sensors.

While security always remains the overriding priority, StarWatch GMS designs acknowledge the importance of maintaining a smooth flow of traffic, even during heightened security conditions. All installed components are coordinated via proven software routines to provide a high degree of facility protection without causing undue delay or inconvenience. The core platform offers the flexibility to upgrade existing gate operations without the need to discard previous investments in security hardware or access control/visitor management configurations. Providing cost-effective solutions, all systems are optimized for setup and installation.

Containment · Containment · Guard House · Final Barrier · Alternate Inspection · Visitor Center Parking · Visitor Center · Containment

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① TRAFFIC DIRECTED

- Vehicles approach lane status board
- Speed tracked by traditional radar guns or ground radar
- Electronic messages provide instructions and indicate lane status
   - Stop, proceed, closed, etc.
- Board continuously updated to manage traffic flow

② AUTOMATIC VEHICLE ID

- Vehicles pass RFID tag readers
- System automatically confirms credentials in database
   - Vehicle tag, etc.
- Guard notified of unauthorized vehicles
- In-ground sensor loops incorporated for start / reset of system, gate arm safety, and free exit configurations

③ AUTOMATIC PERSON ID

- Driver presents ID at reader
   - FIPS-201, barcode, bio, etc.
- System determines if individual is permitted
- ID cross-matched with specific vehicle
- Guard notified of unauthorized ID or mismatch between ID and vehicle
- Visual and audible indicators notify person to stop / proceed
   - Traffic lights, access sirens

④ ENTRY PERMITTED/DENIED

- Vehicles approach PC tablet validation station
- System automatically displays cardholder information
- Guard is presented with visual validation
- System autonomously grants access based on access rights
- Entry delay / denial equipment responds based on defined configuration
   - Gate arms, rolling gates, etc.

⑤ SECONDARY SCREENING

- System facilitates the use of advanced CBRNE screening technologies
- Option provided for in-lane, under vehicle video inspection

⑥ VEHICLE BARRIERS

- Secondary security layer provided for emergency situations
   - DOS-rated K12 crash barriers, bollards, rolling gates, etc.
- Activated manually by guard or automatically by system

⑦ VISITOR MANAGEMENT

- Visitors directed to processing center
- Individuals enrolled in system
   - On-site, on-line, via sponsor, etc.
- Pre-entered personnel can be vetted against national databases via third-party systems
- Visitor credentials assigned and issued

⑧ ASSET ASSOCIATION

- System matches personnel to physical items
   - Laptops, weapons, vehicles, etc.
- Ensures that restricted materials are transported on / off site by specified personnel only

DAQ ELECTRONICS