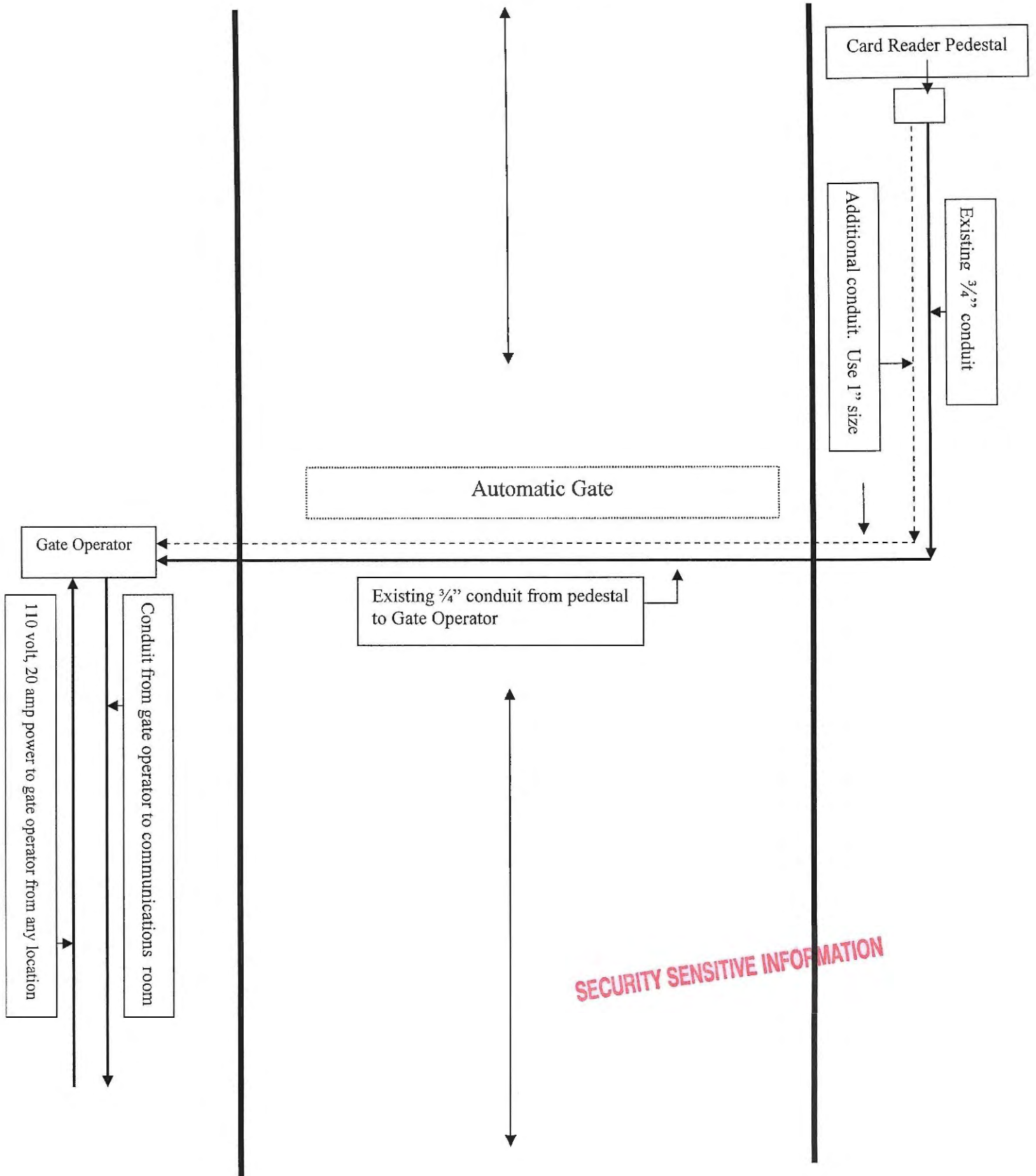


**GENERIC AUTOMATIC ENTRY GATE WITH CONDUIT REQUIREMENTS**

(Page 1 of 2)

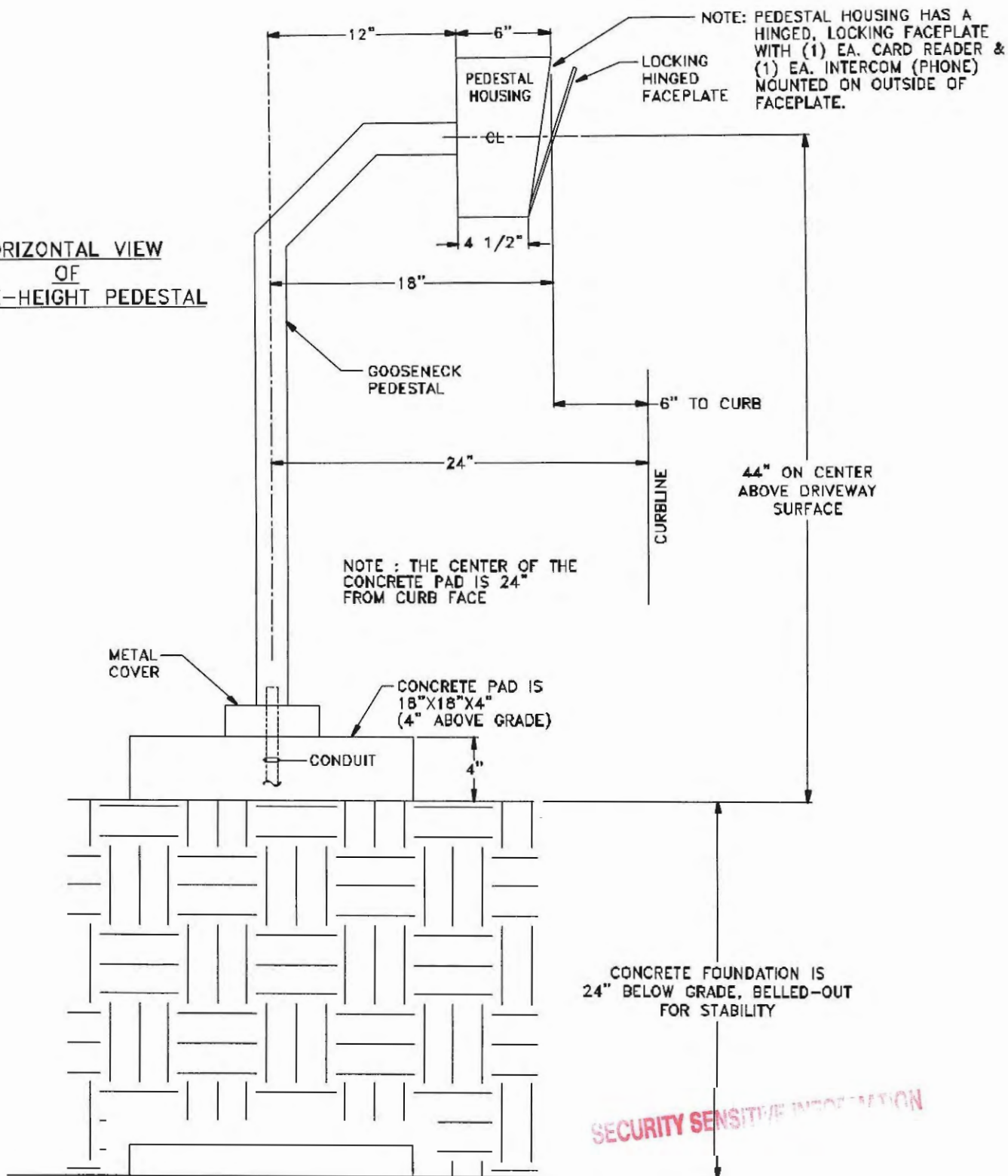
1. The below example drawing shows a generic automatic entry gate with conduit requirements for the card access system for Pipeline and Field Services facilities.
2. Most facilities that are already equipped with an automatic gate have ¾" conduit in place from the card reader pedestal to the gate operator. Some facilities have a keypad on the pedestal instead of a card reader.
3. When the new proximity card reader and visitor identification video device are installed on the pedestal, the existing ¾" conduit can be used, assuming that the conduit is in good condition.
4. Additional conduit is required from the gate operator to the building housing the communications room, if such conduit is not already in place. From where the conduit enters the building, the wiring can run through the plenum ceiling to the communications room. Components of the system will be located there.
5. Conduit will be needed for a 110 volt, 20-amp power source to the gate operator. The power source can come from any location in the facility. In the example drawing, the power source comes from the building housing the communications room. This conduit should already be in place at facilities that already have an automatic gate.
6. The example drawing shows additional 1" conduit, represented by a dotted line, between the gate operator and the pedestal. The installation of this additional conduit is recommended, even if it is not used immediately, to allow for the future installation additional security equipment.
7. Any additional conduit should be 1" in size.
8. Two conduits run to the same location must be stubbed-up as close together as possible. Example: card reader pedestal – the two conduits must run together up through the concrete pedestal pad and fit together through the hole in the bottom of the pedestal.
9. The specific conduit requirements for each facility will be verified during pre-installation site visits by the installation contractor.



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HORIZONTAL VIEW  
OF  
SINGLE-HEIGHT PEDESTAL



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ACCESS CONTROL SYSTEM SPECIFICATIONS and PART NUMBERS			
QTY	Part Number	Description	Cost
1	ACU2X-C1B0	ACU2X Network Intelligent Controller with 4 amp power supply & 50,000 card capacity	\$ 2,041.54
1	ACU-LAN-KIT	ACU LAN Connection Option Kit	\$ 692.31
1	ACU-BAT-2	Battery Kit; Two 12VDC, 7 amp-hr gel-cell batteries. Includes mounting bracket assemble	\$ 76.92
1	RRE-1 (134059)	Remote Reader Electronics, with Enclosure Note: Multiply RRE-1 by number of doors, gates, and access controlled areas	\$ 453.85
1	5355A	ProxPro Proximity Reader, 12 volt Note: Multiply ProxPro by number of doors, gates, and access controlled areas	\$ 195.00
1	xxx	Custom Reader Stand at Main Gate	\$ 785.71
1	xxx	Device for visual identification of visitors and remote gate/door opening. May be Aphone, Viking or other. Actual cost may be less than shown.	\$ 1,000.00
1	PS1204UL-8	<b>For office locations</b> 97401 12vdc/4a power supply with 8 position fused outputs for ancillary components (i.e., locks exit devices, auxiliary devices, etc.)with isolation relay for Fire Interface	\$ 650.00
XXX	XXX	Cable and wiring	\$ 500.00
XXX	XXX	Miscellaneous materials	\$ 250.00
XXX	XXX	Estimated Installation / Labor	\$ 5,800.00
		<b>Total:</b>	<b>\$ 12,445.33</b>

**THESE ARE ESTIMATED COSTS. ACTUAL COSTS, INCLUDING INSTALLATION LABOR, WILL VARY BY FACILITY**

- \* This system is for use with employee badges. It will operate the main vehicle entrance with automatic gate activated by a card reader. The system can be expanded to provide controlled access for additional gates and/or building doors.
- \* This system will handle up to 8 controlled access points. If the facility has more that 8 controlled access points, an additional ACU2X-CIBO will be required.
- \* Additional controlled access points will require additional Parts RRE-1 and 5355A.
- \* The Corporate Security Department can assist in obtaining your system.

**SECURITY SENSITIVE INFORMATION**



