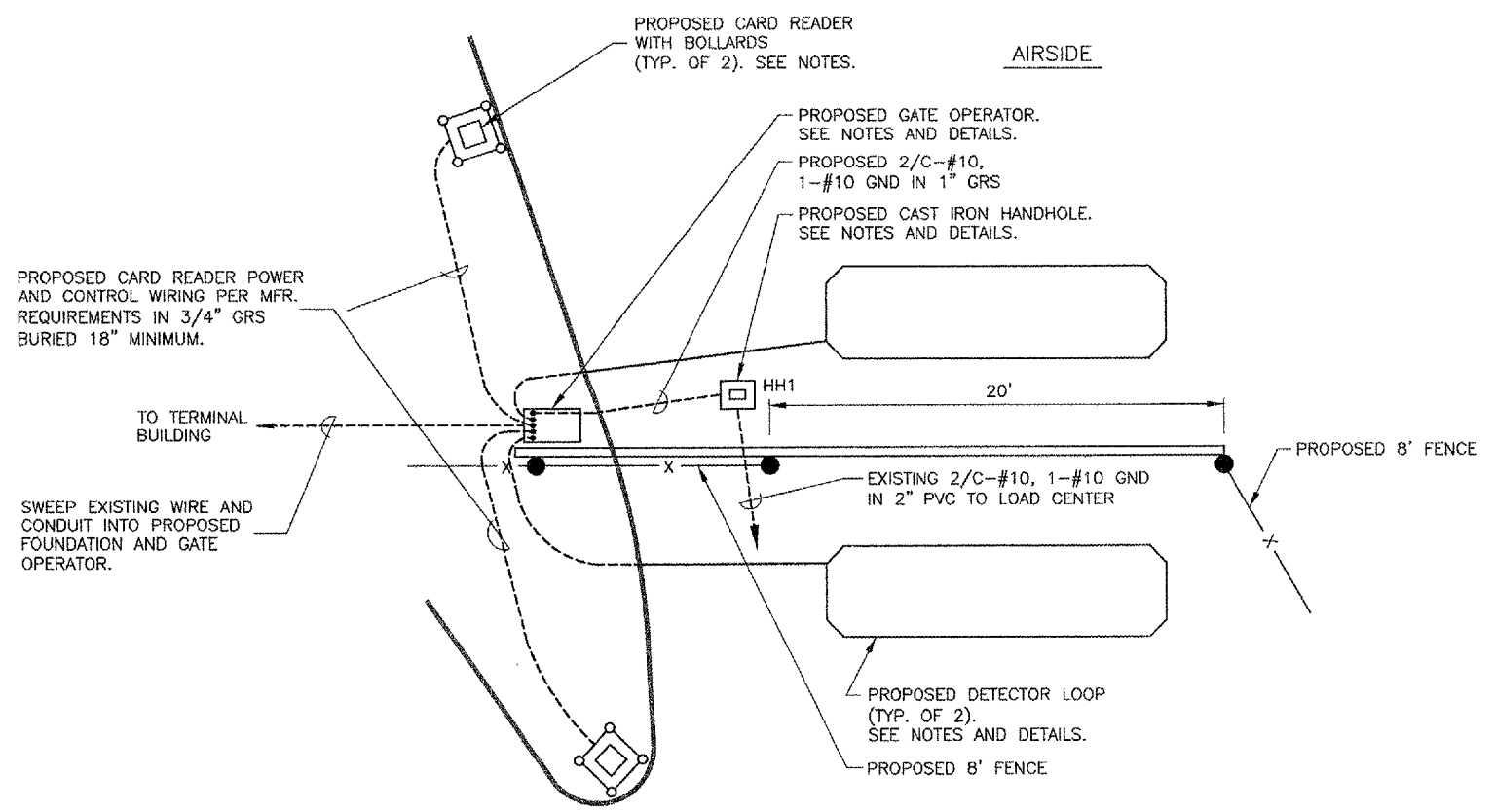


EXISTING GATE DETAIL  
N.T.S.



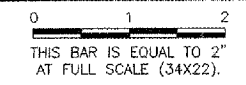
NEW GATE DETAIL  
N.T.S.

NOTES FOR GATE

- 1.) DISCONNECT AND REMOVE EXISTING GATE OPERATOR. REPLACE WITH NEW GATE OPERATOR, SENTEX SL-580, 3/4 HP, 208V, 1 PHASE, OR EQUIVALENT. GATE OPERATOR SHALL INCLUDE ALL ACCESSORIES AS REQUIRED TO INTERFACE WITH REMOTE CONTROL EQUIPMENT LISTED HEREIN.
- 2.) EXISTING GATE OPERATOR IS POWERED FROM AN EXISTING 20A-2P CIRCUIT BREAKER IN A NEARBY LOAD CENTER. PROPOSED GATE OPERATOR SHALL ALSO BE POWERED FROM THIS CIRCUIT BREAKER. EXISTING POWER WIRING SHALL REMAIN IN SERVICE AND BE RECONNECTED TO PROPOSED GATE OPERATOR WITH A SPLICE IN HH1.
- 3.) GATE OPERATOR SHALL INCLUDE 30 PROGRAMMABLE RADIO TRANSMITTERS, FURNISHED WITH GATE OPERATOR. TRANSMITTERS SHALL BE HAND HELD AND INCLUDE CLIP FOR ATTACHMENT TO VEHICLE SUN VISOR. TRANSMITTERS SHALL BE LINEAR MODEL #105015 OR EQUIVALENT.
- 4.) GATE OPERATOR SHALL INCLUDE INTERNAL TWO-CHANNEL RECEIVER, ONE CHANNEL FOR SAFETY EDGE TRANSMITTER, THE OTHER FOR RADIO TRANSMITTERS. RECEIVER SHALL BE LINEAR MODEL 203102 OR EQUIVALENT.
- 5.) GATE OPERATOR SHALL INCLUDE WEATHERPROOF REMOTE CARD READERS, FURNISHED WITH GATE OPERATOR. CARD READERS SHALL BE LOCATED IN SIMILAR MANNER AS EXISTING CARD READERS. CARD READERS SHALL BE POWERED BY GATE OPERATOR. CARD READERS SHALL BE PROGRAMMABLE. CONTRACTOR SHALL INSTALL 3/4" GRS CONDUIT WITH ONE 2/C #16 CABLE (POWER) AND ONE 2/C #16 CABLE (CONTROL) FROM KEYPAD TO GATE OPERATOR. CARD READERS SHALL BE HID PROXPRO 5355 OR EQUIVALENT.
- 6.) GATE OPERATOR SHALL INCLUDE TWO IN-PAVEMENT LOOP DETECTORS. ONE IN-PAVEMENT LOOP SHALL BE INSTALLED "OUTSIDE" GATE AND SHALL BE USED AS "SAFETY" LOOP WHEN ENTERING AND EXITING. THE OTHER IN-PAVEMENT LOOP SHALL BE INSTALLED "INSIDE" GATE AND SHALL BE USED AS AN "OPEN" LOOP WHEN EXITING. WIRING SHALL BE AS DETAILED. EXISTING LOOP KERF SHALL BE CLEANED OUT, WASHED AND DRIED WITH COMPRESSED AIR, TO THE SATISFACTION OF THE ENGINEER. ALL EXISTING AND NEW SAW KERF SHALL BE SEALED WITH LOOP SEALANT PER DETECTOR LOOP DETAILS ON SHEET 2.
- 7.) GATE OPERATOR SHALL OPERATE ON REMOTE CONTROLLED "OPEN" (FROM RADIO TRANSMITTERS, OR BY CARD READER STATION) AND AUTOMATIC ADJUSTABLE 0-90 SECOND INTERNAL TIMER CONTROLLED "CLOSE" ("SAFETY" LOOP SHALL INSTIGATE TIMING CYCLE).
- 8.) HANDHOLE SHALL BE CAST IRON, HOT DIPPED GALVANIZED, WITH STEEL COVER SUITABLE FOR VEHICLE TRAFFIC H2O LOADING. 12"Lx12"Wx8"D. APPLETON WYT-121208-CSV OR EQUIVALENT. ENGRAVE COVER WITH "ELECTRIC" LOGO. HANDHOLE SHALL BE INSTALLED AS PART OF ITEM AR162720 - ELECTRIC GATE-20'. NO SEPARATE PAYMENT WILL BE MADE FOR HANDHOLE.

REVISIONS

NUMBER	BY	DATE



UNIVERSITY OF ILLINOIS  
WILLARD AIRPORT  
REHABILITATE AIR CARRIER RAMP  
ELECTRICAL GATE DETAILS SHEET 3

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DESIGN BY:	TM
DRAWN BY:	CMT
CHECKED BY:	SMS
APPROVED BY:	<i>[Signature]</i>
DATE:	06/10/2005
JOB No:	03059-03-00
IL PROJECT:	CM-3449
A.I.P. PROJECT:	3-17-0016-22
SHEET	45 OF 58 SHEETS