

FURNISH AND INSTALL 2 #8 THWN, 1 #8 NEUTRAL, 1 #8 GND IN 1" DUCT. DIRECTIONAL BORE BELOW PAVEMENT OR SAWCUT AND RESTORE PAVEMENT. DUCT SHALL BE PVC, HDPE, OR GRSC. SEE SPECIAL PROVISION ITEM 110 FOR REQUIREMENTS. FIELD VERIFY CONDUIT ROUTE AND ADJUST TO AVOID INTERFERENCES.

PROPOSED CARD READER, INTERCOM AND CALL STATION WITH BOLLARDS. EXISTING BOLLARDS MAY BE REUSED IN PLACE. PROVIDE MULTIPLE PEDESTALS TO ACCOMMODATE EQUIPMENT AS APPLICABLE.

EXISTING LOAD CENTER (POWER SOURCE FOR GATE OPERATOR)

GAITROS AVIATION BUILDING (FBO)

SIDEWALK

CONTROL TOWER

OUTER LOOP

INNER LOOP

PROPOSED PEDESTRIAN WALK GATE

"OPEN-CLOSE-STOP" PUSHBUTTON STATION AND INTERCOM SHALL BE LOCATED IN OFFICE PER GAITROS AVIATION PERSONNEL

EXISTING LOAD CENTER

GAITROS AVIATION MAINTENANCE HANGAR

PROPOSED CLASS "E" FENCE

A NEW GATE OPERATOR SHALL BE FURNISHED AND INSTALLED WITH THE NEW ELECTRIC SLIDE GATE

PROPOSED ELECTRIC SLIDE GATE (GATE 3) - 12 FT. OPENING. GATE OPENS TO THE SOUTH.

POWER AND CONTROL WIRING IN 1" GRSC TO CARD READER. RESTORE DISTURBED AREAS OF PAVEMENT.

**NOTE:**  
 PER NEC 513, AIRCRAFT HANGARS ARE CLASSIFIED AS A CLASS 1, DIVISION 2, GROUP D HAZARDOUS LOCATION FOR A LEVEL OF 18 IN. ABOVE THE FLOOR FOR THE ENTIRE AREA OF THE HANGAR. THE AREA IN THE VICINITY OF THE AIRCRAFT IS ALSO A CLASS 1, DIVISION 2, GROUP D HAZARDOUS LOCATION WITH BOUNDARIES AS NOTED IN NEC 513. ALL ELECTRICAL INSTALLATIONS IN THE HANGAR SHALL CONFORM TO THE APPLICABLE SECTIONS OF NEC 500, 501, AND 513 IN ADDITION TO THE OTHER APPLICABLE SECTIONS OF NEC. WHERE ELECTRICAL EQUIPMENT IS INSTALLED IN A CLASSIFIED HAZARDOUS LOCATION, IT SHALL BE SUITABLE FOR USE IN THE RESPECTIVE CLASSIFIED HAZARDOUS LOCATION. WHERE POSSIBLE, AVOID INSTALLATION OF ELECTRICAL EQUIPMENT, RACEWAYS, AND WIRING IN THE CLASSIFIED HAZARDOUS AREAS OF AIRCRAFT HANGARS.

**GATE 3 PROPOSED ELECTRICAL SITE PLAN**

HALF SCALE 1" = 40'  
 FULL SCALE 1" = 20'

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

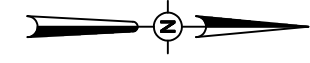
ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

**NOTES:**

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
2. EXISTING DETECTOR LOOPS SHALL BE REMOVED & REPLACED WITH NEW DETECTOR LOOPS.
3. SEE "PROPOSED ELECTRIC SLIDE GATE DETAILS" SHEETS FOR EACH RESPECTIVE GATE FOR ADDITIONAL REQUIREMENTS ON ELECTRIC SLIDE GATE WORK.
4. EXISTING GATE OPERATOR AND CARD READERS SHALL BE REMOVED AND TURNED OVER TO THE AIRPORT.
5. EXISTING CONDUITS MAY BE REUSED IN PLACE WHERE DETERMINED SUITABLE FOR USE.

**LEGEND**

- [Symbol] EXISTING PAVEMENT
- [Symbol] EXISTING BUILDINGS
- [Symbol] PROPOSED FENCE
- [Symbol] EXISTING FENCE
- [Symbol] PROPOSED ELECTRICAL CABLES
- [Symbol] EXISTING ELECTRICAL CABLES
- [Symbol] EXISTING STORM SEWER
- [Symbol] EXISTING SANITARY SEWER
- [Symbol] EXISTING WATER LINE
- [Symbol] EXISTING TELEPHONE LINE
- [Symbol] EXISTING GAS LINE
- [Symbol] EXISTING OVERHEAD ELECTRIC
- [Symbol] EXISTING FIBER OPTIC
- [Symbol] EXISTING COMMUNICATION/CONTROL CABLE
- [Symbol] EXISTING DRAINAGE DITCH
- [Symbol] EXISTING POWER POLE
- [Symbol] EXISTING ELECTRICAL HANDHOLE/MANHOLE
- [Symbol] EXISTING TRANSFORMER
- [Symbol] EXISTING GATE OPERATOR
- [Symbol] PROPOSED GATE OPERATOR
- [Symbol] CARD READER WITH BOLLARDS



0' 10' 20' 40'  
 HALF SIZE SCALE: 1" = 40'  
 FULL SIZE SCALE: 1" = 20'

REVISION	DATE

Hanson Professional Services Inc. 2012  
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**DECATUR AIRPORT**  
**DECATUR, ILLINOIS**

IL PROJ.: DEC-4167 A.I.P. PROJ.: 3-17-0033-B4

PROJECT	DATE
LAYOUT	04/10/12
DRAWN	04/16/12
REVIEWED	04/19/12

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**REPLACE PERIMETER FENCE**

**GATE 3 PROPOSED ELECTRICAL SITE PLAN**

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