

NOTES:

1. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES WHICH HAVE LINES, UTILITIES, AND/OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES, UTILITIES, AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) FOR ASSISTANCE IN LOCATING UTILITY LINES. THE CONTRACTOR SHALL CONTACT THE FAA FOR ASSISTANCE IN LOCATING THEIR LINES & UTILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL UNDERGROUND NON-J.U.L.I.E. LINES, UTILITIES, AND CONDUITS LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UNDERGROUND LINES, UTILITIES, AND CONDUITS SHALL BE LOCATED AT THE CONTRACTOR'S OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. ANY EXISTING UTILITY LINES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
2. SEE "PROPOSED ELECTRIC SLIDE GATE DETAILS - SOARING CLUB" SHEET FOR ADDITIONAL REQUIREMENTS ON ELECTRIC SLIDE GATE WORK.
3. COORDINATE ELECTRICAL WORK WITH FENCE WORK AND EXISTING SITE CONDITIONS, UTILITIES, LINES, ETC. TO AVOID INTERFERENCES.
4. CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 500 FT. IN URBAN AREAS AND 1,000 FT. IN RURAL AREAS. THERE SHALL BE A GROUND WITHIN 100 FT. OF GATES IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE. FENCE UNDER A POWER LINE SHALL BE GROUNDED BY THREE GROUNDS; ONE DIRECTLY UNDER THE CROSSING, AND ONE ON EACH SIDE 25 FT. TO 50 FT. AWAY. A SINGLE GROUND SHALL BE LOCATED DIRECTLY UNDER EACH TELEPHONE WIRE OR CABLE CROSSING. THE COUNTERPOISE GROUND SHALL BE USED ONLY WHERE IT IS IMPOSSIBLE TO DRIVE A GROUND ROD. THE GROUND WIRE SHALL BE CONNECTED TO THE FABRIC AND TENSION WIRE WITH UL LISTED GROUNDING CONNECTORS OF CAST BRONZE BODY AND BRONZE OR STAINLESS STEEL BOLTS AND WASHERS. GROUNDING CONNECTORS SHALL BE SIZED AND SUITABLE FOR THE RESPECTIVE APPLICATION. CONNECTIONS TO GROUND RODS SHALL BE WITH UL LISTED GROUNDING CONNECTORS SUITABLE FOR DIRECT BURIAL IN EARTH OR EXOTHERMIC WELD TYPE CONNECTORS. EXOTHERMIC WELD CONNECTIONS SHALL BE INSTALLED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S DIRECTIONS USING MOLDS SUITABLE FOR EACH RESPECTIVE APPLICATION. GROUND RODS SHALL BE 5/8-IN. DIAMETER BY 8 FT. LONG (MINIMUM), UL-LISTED, COPPER-CLAD. THE GROUND WIRE USED TO BOND THE FENCE FABRIC AND TENSION WIRE TO THE GROUND ROD SHALL BE #6 AWG MINIMUM BARE COPPER CONDUCTOR.

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MID-AMERICAN AIR CENTER
LAWRENCEVILLE-VINCENNES AIRPORT
LAWRENCEVILLE, ILLINOIS

IL PROJ.: LW-3869 A.I.P. PROJ.: 3-17-0081-B15

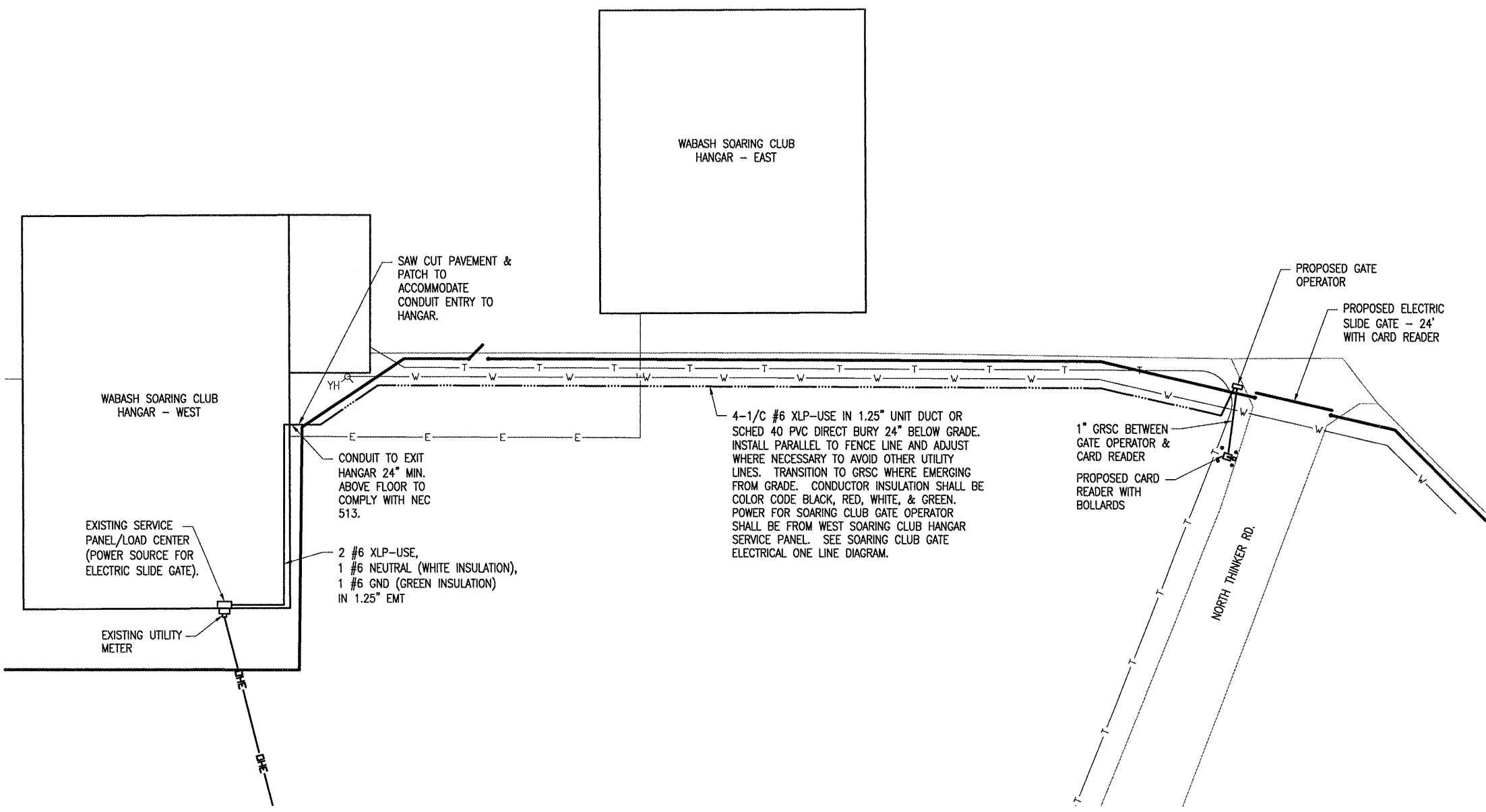
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| Hanson Project No. 08A0185D_0800 | Filename: E-102.DWG | Scale: 1"= 20' | Date: 01/20/09 |
| LAYOUT | KNL | 01/07/09 | |
| DRAWN | MV | 01/07/09 | |
| REVIEWED | JSL | 01/09/09 | |



HANSON
Hanson Professional Services Inc.
1625 South Sixth Street
Springfield, Illinois 62703-2886
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FRONTAL AREA
FENCE INSTALLATION

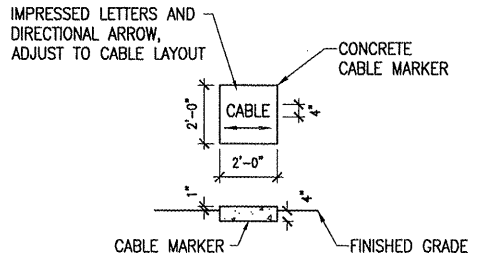
SOARING CLUB GATE
ELECTRICAL PLAN



4-1/C #6 XLP-USE IN 1.25" UNIT DUCT OR SCHED 40 PVC DIRECT BURY 24" BELOW GRADE. INSTALL PARALLEL TO FENCE LINE AND ADJUST WHERE NECESSARY TO AVOID OTHER UTILITY LINES. TRANSITION TO GRSC WHERE EMERGING FROM GRADE. CONDUCTOR INSULATION SHALL BE COLOR CODE BLACK, RED, WHITE, & GREEN. POWER FOR SOARING CLUB GATE OPERATOR SHALL BE FROM WEST SOARING CLUB HANGAR SERVICE PANEL. SEE SOARING CLUB GATE ELECTRICAL ONE LINE DIAGRAM.

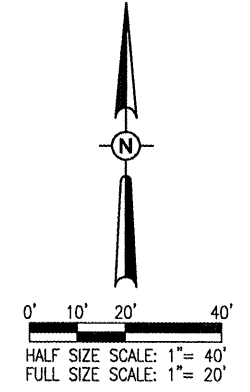
LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ELECTRICAL CABLES
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING WATER LINE
- EXISTING TELEPHONE LINE
- EXISTING GAS LINE
- GATE OPERATOR
- CARD READER WITH BOLLARDS
- EXISTING YARD HYDRANT



CABLE MARKERS SHALL BE PLACED AT CHANGES OF DIRECTION AND APPROXIMATELY EVERY 200' ALONG CABLE RUNS. CONCRETE CABLE MARKERS SHALL HAVE LETTERS 4" HIGH, 3" WIDE WITH A STROKE OF 1/2" AND 1/4" DEEP. ALL LETTERS, NUMBERS AND ARROWS TO BE IMPRESSED. THE COST OF ALL CABLE MARKERS SHALL BE INCIDENTAL TO THE CABLE.

TURF CABLE MARKERS
"NOT TO SCALE"



THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. 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 OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE 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 ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123. CONTACT FAA FOR ASSISTANCE IN LOCATING THEIR LINES AND UTILITIES.