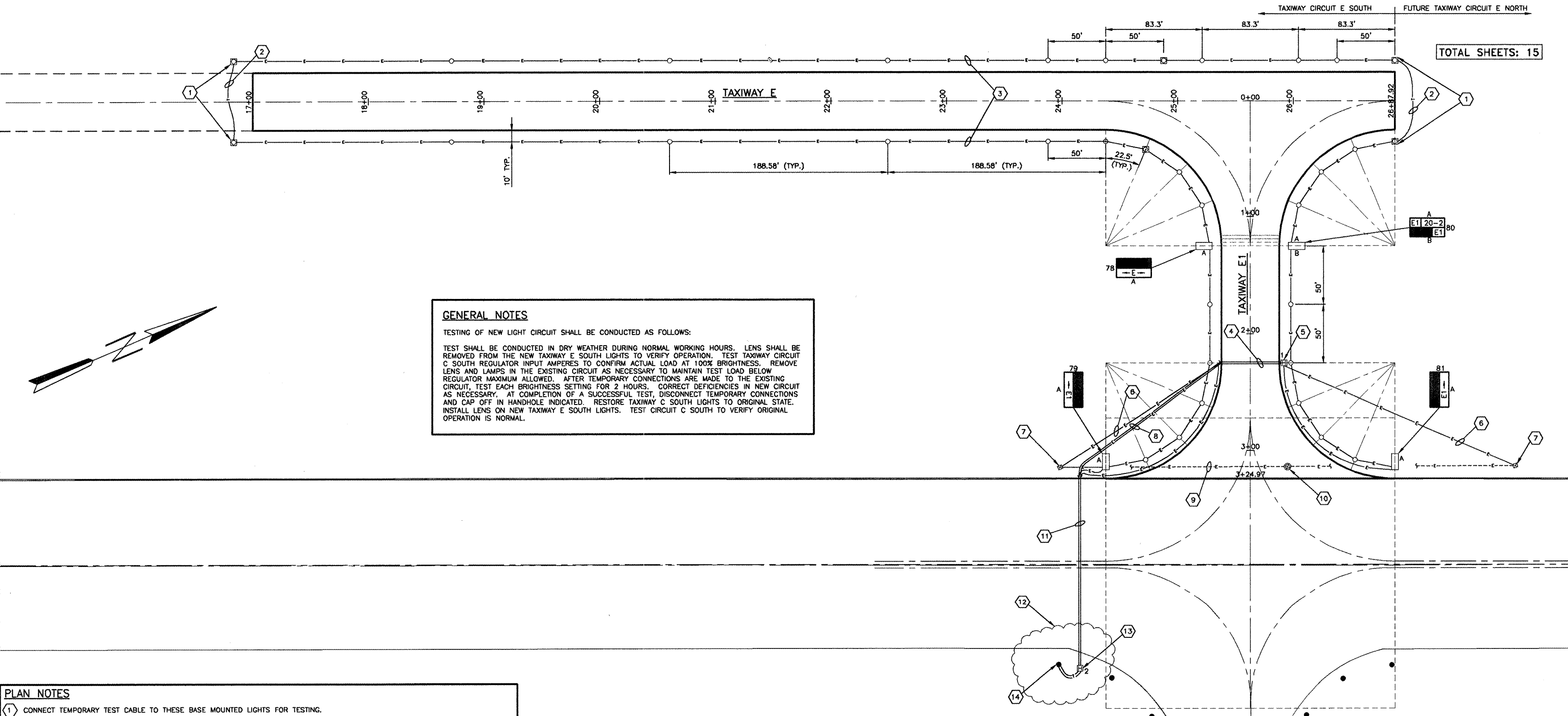


LETTING ITEM NUMBER
1A

LETTING CONTRACT NUMBER
W1053

TOTAL SHEETS: 15



GENERAL NOTES
TESTING OF NEW LIGHT CIRCUIT SHALL BE CONDUCTED AS FOLLOWS:
TEST SHALL BE CONDUCTED IN DRY WEATHER DURING NORMAL WORKING HOURS. LENS SHALL BE REMOVED FROM THE NEW TAXIWAY E SOUTH LIGHTS TO VERIFY OPERATION. TEST TAXIWAY CIRCUIT C SOUTH REGULATOR INPUT AMPERES TO CONFIRM ACTUAL LOAD AT 100% BRIGHTNESS. REMOVE LENS AND LAMPS IN THE EXISTING CIRCUIT AS NECESSARY TO MAINTAIN TEST LOAD BELOW REGULATOR MAXIMUM ALLOWED. AFTER TEMPORARY CONNECTIONS ARE MADE TO THE EXISTING CIRCUIT, TEST EACH BRIGHTNESS SETTING FOR 2 HOURS. CORRECT DEFICIENCIES IN NEW CIRCUIT AS NECESSARY. AT COMPLETION OF A SUCCESSFUL TEST, DISCONNECT TEMPORARY CONNECTIONS AND CAP OFF IN HANDHOLE INDICATED. RESTORE TAXIWAY C SOUTH LIGHTS TO ORIGINAL STATE. INSTALL LENS ON NEW TAXIWAY E SOUTH LIGHTS. TEST CIRCUIT C SOUTH TO VERIFY ORIGINAL OPERATION IS NORMAL.

PLAN NOTES

- CONNECT TEMPORARY TEST CABLE TO THESE BASE MOUNTED LIGHTS FOR TESTING.
- 1/C, #8, 5 KV TYPE C CABLE ROUTED ON SURFACE FOR TEMPORARY TEST CONNECTION BETWEEN LIGHTS SHOWN. REMOVE AFTER TEST COMPLETED.
- 1/C, #8, 5 KV TYPE C CABLE IN UNIT DUCT - TYPICAL FOR ALL PERMANENT TAXIWAY WIRING.
- 56 L.F. OF TWO-WAY 4" CONCRETE-ENCASED PVC, SCHEDULE 40 DUCT.
- TERMINATE TAXIWAY E NORTH CABLE IN THE HANDHOLE AND CAP-OFF FOR FUTURE USE.
- 1/C, #6, 5 KV TYPE C CABLE IN UNIT DUCT.
- CONNECT PROPOSED CABLE TO EXISTING HIGH INTENSITY RUNWAY 2-20 LIGHT AT THIS FIXTURE. REMOVE EXISTING WIRE FROM BASE. PER NOTE 9.
- 2/C, #8, 5 KV TYPE C CABLE IN UNIT DUCT FOR FUTURE TAXIWAY E NORTH CIRCUIT. INSTALL THIS CABLE BETWEEN HANDHOLE 1 AND HANDHOLE 2.
- DISCONNECT AND REMOVE EXISTING RUNWAY 2-20 LIGHTING CABLE PORTION INSIDE LIGHT BASES. REMAINDER OF UNDERGROUND SHALL BE ABANDONED IN PLACE.
- DISCONNECT AND REMOVE EXISTING HIGH INTENSITY RUNWAY LIGHT AND BASE. DELIVER TO AIRPORT MAINTENANCE DEPT.
- 158 L.F. OF ONE-WAY 4" STEEL DUCT DIRECT-BORED UNDER EXISTING PAVEMENT.
- LOCATE EXISTING UNDERGROUND CABLE IN THIS AREA AND AVOID DAMAGE TO SAME.
- TERMINATE TAXIWAY E SOUTH AND E NORTH CABLE PAIRS IN THIS HANDHOLE AND CAP-OFF FOR FUTURE USE AFTER TEMPORARY TESTING OF CIRCUIT E SOUTH.
- CONNECT TEMPORARY TEST CABLE TO EXISTING CIRCUIT C SOUTH TAXIWAY LIGHT FIXTURE SHOWN. AT CONCLUSION OF TEST REMOVE CABLE BACK TO HANDHOLE 2 AND REPLACE C SOUTH LAMPS REMOVED.

SIGN SCHEDULE LEGEND

R = WHITE LTR/RED BACKGROUND - HOLDING SIGN
Y = BLACK LTR/YELLOW BACKGROUND - DIRECTION OR DESTINATION SIGN
L = YELLOW LTR/BLACK BACKGROUND - TAXIWAY LOCATION SIGN
A = SIGN FACE A
B = SIGN FACE B - IF NOT SHOWN, THIS FACE SHALL REMAIN BLANK

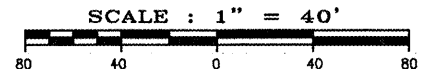
SIGN NOTES

- ALL ARROWS ARE HORIZONTAL
- ALL SIGNS SHALL BE TYPE L858, SIZE 1, STYLE 2, CLASS 1.

| SIGN SCHEDULE | | | | |
|---------------|------|---------|---------|---------|
| SIGN NO. | SIDE | R/Y/L/W | LEGEND | REMARKS |
| 78 | A | Y | → E → | |
| 79 | A | Y | → E1 → | |
| 80 | A | L/R | E1 20-2 | |
| | B | L | E1 | |
| 81 | A | Y | → E1 → | |

LEGEND

- ⊗ EXISTING HIRL - TO BE REMOVED
- ⊗ EXISTING HIRL - TO BE ADJUSTED AS NOTED
- EXISTING MITL
- PROPOSED MITL - STAKE MOUNTED
- ⊠ PROPOSED MITL - BASE MOUNTED
- PROPOSED TAXI GUIDANCE SIGN - "A", "B" DESIGNATE LEGENDS PER SCHEDULE
- ⊞ PROPOSED HANDHOLE
- PROPOSED DUCT
- - - PROPOSED UNDERGROUND ELECTRICAL
- - - EXISTING UNDERGROUND ELECTRICAL



ILLINOIS PROJECT NO. MWA-3562
PROJECT NO. 3-17-0065-

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

© 2008 ALL RIGHTS RESERVED

CLARIDA & ZIEGLER ENGINEERING CO.
308 South Court St, P.O. Box 937
Marion, Illinois 62959
Phone - (618)993-6411, Fax - (618)993-6750

ELECTRICAL PLAN
CONSTRUCTION OF TAXIWAY E & E1 PHASE I
WILLIAMSON COUNTY REGIONAL AIRPORT
MARION - HERRIN, ILLINOIS

Date 3/12/08 DR. By TDE CK'D By CM
Scale 1"=40' Job No. 07141 Sheet No. 13 of 15

P:\Airport\07141 West Taxiway Ph \PIANS\13 ELECTRICAL PLAN.dwg, 4/14/2008 9:07:35 AM, 1:2