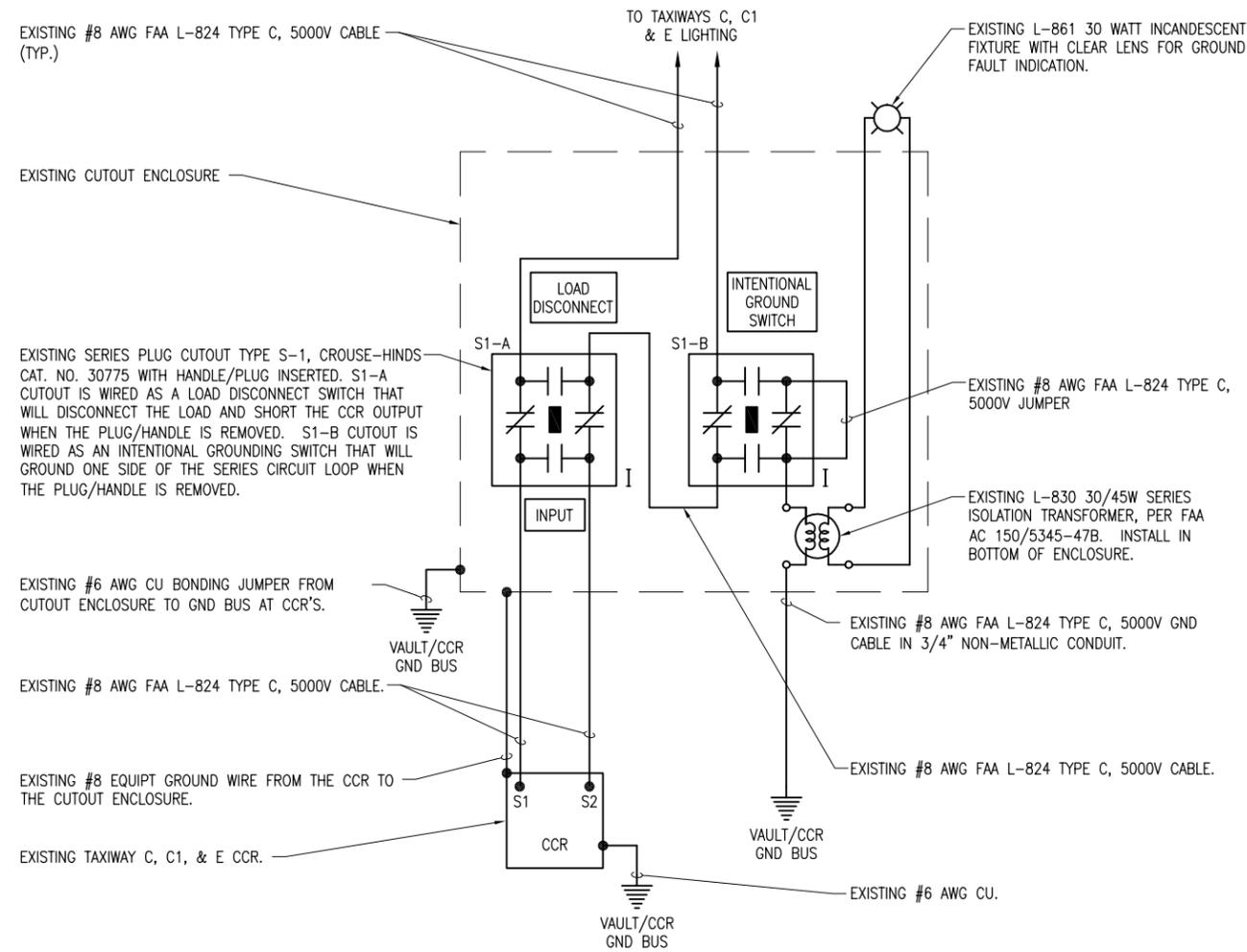
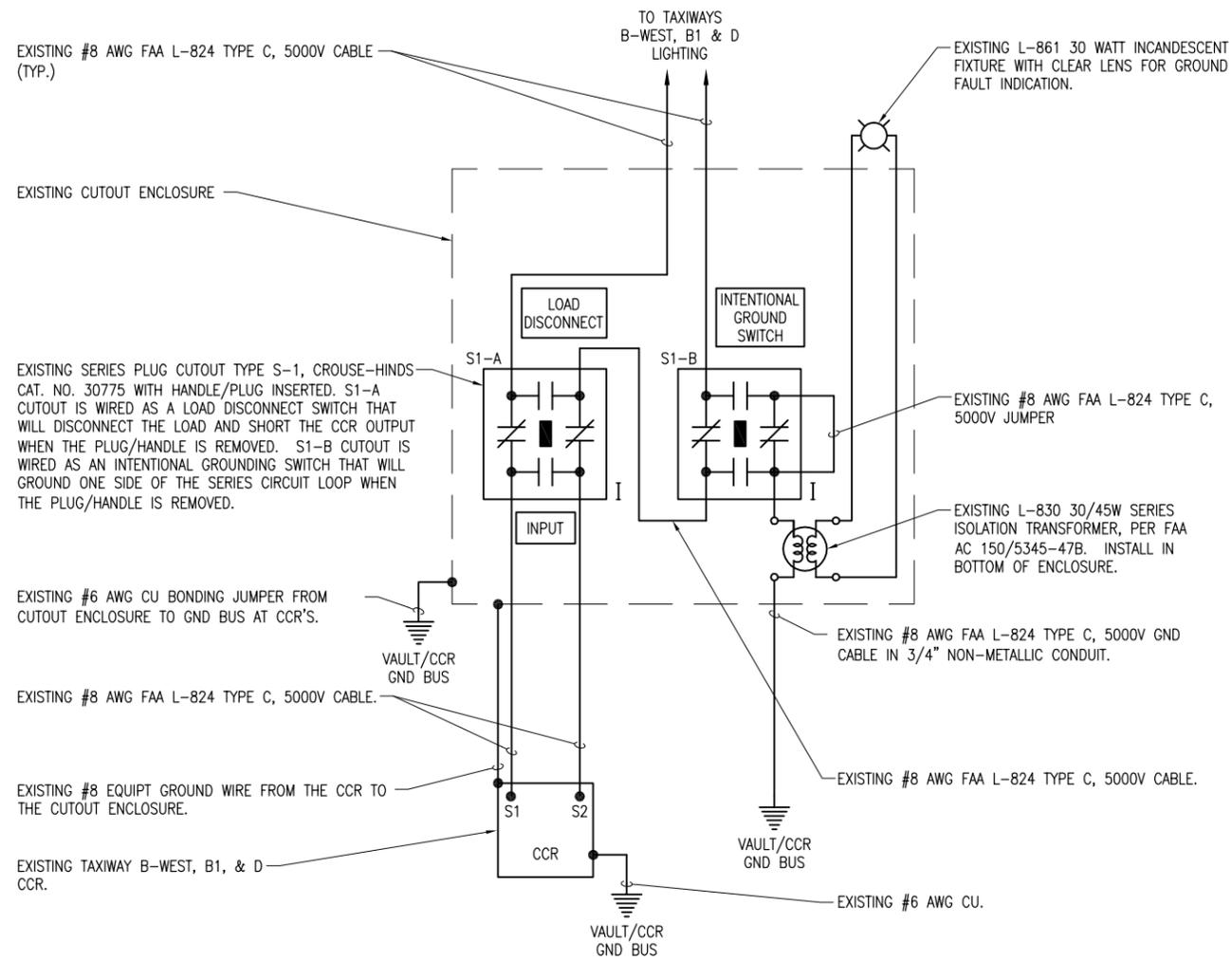


**SOUTHERN ILLINOIS
AIRPORT**

**MURPHYSBORO /
CARBONDALE,
ILLINOIS**



**EXISTING HIGH VOLTAGE WIRING SCHEMATIC
FOR TXY B-WEST, B1 & D AND TXY C, C1 & E.**
(NOT TO SCALE)

DIRECTIONS TO TEST FOR AIRFIELD GROUND FAULTS IN LIGHTING CIRCUITS.

- COORDINATE TESTS WITH THE AIRPORT MAINTENANCE SUPERVISOR.
- TURN OFF RESPECTIVE CCR.
- PULL INTENTIONAL GROUND SWITCH CUTOUT.
- TURN ON RESPECTIVE CCR TO 100%.
- IF GROUND FAULT LIGHT IS DIM CHECK AIRFIELD CIRCUIT FOR LOCATION OF BRIGHT TO DIM LIGHTS TO ASSIST IN LOCATING AREA OF GROUND FAULT.

LEGEND

- "I" DENOTES PLUG CUTOUT WITH PLUG INSERTED
- "P" DENOTES PLUG CUTOUT WITH PLUG PULLED
- "CCR" DENOTES CONSTANT CURRENT REGULATOR

NOTES

- ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT MAINTENANCE SUPERVISOR AND / OR AIRPORT MANAGER AND THE RESPECTIVE FAA ATCT PERSONEL. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINSTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
- CONTRACTOR SHALL EXAMINE THE SITE TO CONFIRM AND FIELD VERIFY EXISTING SITE CONDITIONS.
- MEGGER TEST AND RECORD EXISTING SERIES CIRCUITS PRIOR TO CABLE WORK AND AFTER UPGRADES ARE COMPLETED. ALSO TEST AND RECORD SERIES CIRCUIT LOOP RESISTANCE. TEST FOR GROUND FAULTS IN LIGHTING CIRCUITS.
- TAXIWAY B-WEST, B1, & D CCR, TAXIWAY C, C1 & E CCR AND ASSOCIATED CUTOUTS ARE EXISTING.
- THE RESPECTIVE TAXIWAY LIGHTING CCR'S (FOR THE AREAS OF WORK ON THIS PROJECT) SHALL BE TESTED FOR PROPER OPERATION BEFORE REMOVAL WORK, AND/OR ADDITIONS AND AFTER THE NEW CABLES AND LIGHTING SYSTEM MODIFICATIONS AND ADDITIONS HAVE BEEN COMPLETED. CONTRACTOR SHALL TEST AND RECORD THE INPUT CURRENT AND OUTPUT CURRENT FOR EACH CONSTANT CURRENT REGULATOR IN THE AUTOMATIC AND MANUAL MODES OF OPERATIONS. CONTRACTOR SHALL REPORT CONCERNS AND/OR DEFICIENCIES TO THE RESIDENT PROJECT REPRESENTATIVE/RESIDENT ENGINEER. CONTRACTOR SHALL PROVIDE COPIES OF TEST RESULTS TO THE RESIDENT PROJECT REPRESENTATIVE / RESIDENT ENGINEER AND THE PROJECT ENGINEER.
- WHERE OTHER CIRCUITS ARE AFFECTED BY THE WORK ON THIS PROJECT, THOSE CIRCUITS AND CCR'S SHALL ALSO BE TESTED, AS DESCRIBED ABOVE.

REMOVE TAXIWAY D

IDA No: MDH-4304

Contract No:

SBG No: SBG-TBD

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MARCH 07, 2014

PROJECT NO: 13A0083D

CAD FILE: E-611-LINE.DWG

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SHEET TITLE

**HIGH VOLTAGE
WIRING SCHEMATICS**