



REGISTRATION NO.
F-5713

RECORD DRAWINGS
03/10/2015

REV.	DATE	DESCRIPTION	BY



ADDISON AIRPORT
ADDISON, TEXAS

RUNWAY 33 RSA IMPROVEMENTS

ELECTRICAL LEGEND
AND NOTES

JOB NO.: 13081100
DATE: NOV. , 2013
DESIGNED BY: MCL
DRAWN BY: JKS

BAR IS ONE INCH ON
ORIGINAL DRAWING
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

DRAWING NUMBER

E-001

SHEET
NUMBER 44

LEGEND AND ABBREVIATIONS

EXISTING	NEW	ITEM DESCRIPTION
		L-861T TAXIWAY EDGE LIGHT
		L-862 RUNWAY EDGE LIGHT, COLOR AS INDICATED
		L-862E RUNWAY THRESHOLD LIGHT, COLOR AS INDICATED
		L-850C RUNWAY EDGE LIGHT, COLOR AS INDICATED
		BASE MOUNTED LIGHT
		L-867D LIGHT BASE JUNCTION BOX
		L-858 GUIDANCE SIGN
		L-849A RUNWAY END IDENTIFICATION LIGHT (REIL)
		ELECTRICAL DUCT, NUMBER AND SIZE OF CONDUITS INDICATED
		DUCT MARKER
		HANDHOLE
		3/4" x 10' COPPER CLAD GROUND ROD
		SERIES LIGHTING CIRCUIT WITH COUNTERPOISE, NUMBER OF HASH MARKS INDICATES NUMBER OF CABLES
		EQUIPMENT TO BE COMPLETELY DEMOLISHED AND REMOVED, AREA TO BE RESTORED
	AOA	AIRCRAFT OPERATIONS AREA
	OFA	OBJECT FREE AREA
	OFZ	OBSTACLE FREE ZONE
	RSA	RUNWAY SAFETY AREA
	PC	POINT OF CURVATURE
	PT	POINT OF TANGENCY
	UON	UNLESS OTHERWISE NOTED
	DEB	DIRECT EARTH BURIED

CAUTION NOTES

- UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.
- TEXAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE TEXAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-245-4545. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE TEXAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR SHALL STAKE THE AIRFIELD LIGHTING SYSTEM, PRIOR TO INSTALLATION OF ANY TRENCH, CABLE OR LIGHTING APPARATUS. THE INTENT IS TO STAKE THE INSTALLATION AT THE LOCATIONS INDICATED, NOTING ANY DEVIATION FROM PLAN DIMENSIONS TO THE ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF AN EXPERIENCED AND LICENSED SURVEYOR AND SHALL MAKE ANY SPACING ADJUSTMENTS PRIOR TO INSTALLATION AT NO ADDITIONAL COST TO THE OWNER.
- VERIFY EXACT PAVEMENT EDGE DIMENSIONS AND LAYOUT LIGHTING IN ACCORDANCE WITH FAA AC REQUIREMENTS. SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO WORK. THIS WORK SHALL COINCIDE WITH THE INITIAL SURVEY WORK.
- THE CONTRACTOR SHALL FIELD MARK AND IDENTIFY TAXIWAY POINT OF TANGENCY LOCATIONS WITH EMBEDDED BRASS MARKERS.
- THE EXISTING AND THE PROPOSED LOCATIONS OF LIGHTING CABLES ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING AND IDENTIFYING THE EXISTING LIGHTING CIRCUITS TO DETERMINE THEIR EXACT ROUTING. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING THE LIGHTING SYSTEMS IN A WORKING CONDITION UNTIL THE NEW LIGHTING CIRCUITS HAVE BEEN INSTALLED AND TESTED. THE CONTRACTOR SHALL PROACTIVELY AND EXPEDITIOUSLY ACCOMPLISH THIS CABLE IDENTIFICATION WORK PRIOR TO PERFORMING ANY MODIFICATIONS TO THE LIGHTING CIRCUITS. COORDINATE IDENTIFICATION WORK WITH THE OWNER AND ENGINEER AND MAKE ALL CORRECTIONS, ADDITIONS, ETC. ON THE AS-BUILT
- ALL ELECTRICAL CABLES SHALL BE CLEARLY IDENTIFIED, LABELED, AND TAGGED AT ALL POINTS WHERE THEY ARE AVAILABLE FOR CONNECTIONS OR INSPECTION, INCLUDING, BUT NOT LIMITED TO MANHOLES, HANDHOLES, PULL BOXES, JUNCTION BOXES, AND LIGHT BASES.
- THE CONTRACTOR SHALL PERFORM MEGGER TESTS ON EACH REGULATOR CIRCUIT PRIOR TO ANY WORK ON THE ELECTRICAL SYSTEM AND AFTER THE ACCEPTANCE TEST PERIOD.
- THE CONTRACTOR SHALL SUBMIT HIS INITIAL MEGGER TEST REPORTS TO THE OWNER AND ENGINEER PRIOR TO ANY WORK ON THE ELECTRICAL SYSTEM. THIS REPORT SHALL BE APPROVED AND SIGNED BY THE OWNER PRIOR TO THE CONTRACTOR PROCEEDING WITH HIS WORK.
- THE CONTRACTOR SHALL CHECK THE LOAD ON EACH REGULATOR PRIOR TO ANY WORK ON THE ELECTRICAL SYSTEM AND AFTER THE ACCEPTANCE TEST PERIOD.
- THE CONTRACTOR SHALL CALIBRATE EACH REGULATOR FOLLOWING THE PERFORMED WORK. MEGGER TESTING REQUIREMENTS SHALL BE SUBSIDIARY TO AND PAID FOR BY L-108 PAY ITEMS.
- LOCKOUT/TAGOUT AND CONSTANT CURRENT REGULATOR CALIBRATION PROCEDURES SHALL BE PAID FOR BY SS-300 PAY ITEMS UNLESS OTHERWISE NOTED.
- CONDUITS AND DUCTS UNDER PAVED AREAS SHALL BE CONCRETE ENCASED.
- CONDUITS AND DUCTS UNDER NON-PAVED AREAS SHALL BE NON-ENCASED, UNLESS OTHERWISE NOTED.
- DURING CONSTRUCTION, PROTECT ALL EQUIPMENT, DUCTS, CONDUITS, CABLES, ETC. THAT ARE TO REMAIN IN PLACE.

DRAWINGS.

ELECTRICAL SAFETY NOTES

- SERIES CIRCUITS CAN BE DANGEROUS AND/OR FATAL.
- LOCKOUT/TAGOUT PROCEDURES SHALL BE FOLLOWED.
- ALL LIGHTING REGULATORS SHALL BE TURNED OFF AND TAGGED OUT OF SERVICE BEFORE ANY WORK IS DONE ON ANY SERIES CIRCUIT.
- THE ELECTRICAL RESISTANCE AND INSULATION INTEGRITY OF EACH MODIFIED CIRCUIT SHALL BE TESTED BEFORE THE CIRCUIT IS ENERGIZED.
- THE CONTRACTOR SHALL BE EXTREMELY CAREFUL WHILE EXCAVATING IN THE AREA OF LIGHTING CIRCUITS. ALL CABLE WHICH IS NICKED DURING EXCAVATION SHALL BE PROPERLY SPLICED OR THE LENGTH OF CABLE REPLACED. A SPLICE MARKER SHALL BE INSTALLED AT ALL SPLICE LOCATIONS MORE THAN 2' AWAY FROM A LIGHT OR SIGN. THE SPLICE MARKER SHALL BE SUPPLIED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.