

LEGEND

	EXISTING PAVEMENT
	PROPOSED IMPROVEMENTS
	EXISTING BUILDING
	EXISTING ELECTRICAL DUCT
	EXISTING ELECTRICAL CABLES
	EXISTING UNDERGROUND GAS TANK
	EXISTING STAKE MOUNTED TAXIWAY LIGHT
	EXISTING BASE MOUNTED TAXIWAY LIGHT
	EXISTING ELECTRICAL HANDHOLE
	EXISTING ELECTRICAL TRANSFORMER
	EXISTING BEACON
	EXISTING JUNCTION BOX
	EXISTING ELECTRICAL SERVICE METER
	EXISTING ENTRANCE ROAD/PARKING LOT LIGHT
	EXISTING DUCT MARKER
	EXISTING GAS PUMP
	EXISTING GAS MONITORING WELL
	PROPOSED HANDHOLE
	PROPOSED SPLICE CAN
	PROPOSED 1/C #8 5KV UG CABLE IN UD
	PROPOSED 12 PR #22 AWG COMM CABLE IN UD
	PROPOSED 2/C #8 5KV UG CABLE IN UD
	PROPOSED 3/C #8 XLP-USE 600V UG CABLE IN UD
	PROPOSED 3/C #2 XLP-USE 600V UG CABLE IN UD
	PROPOSED ELECTRICAL DUCT
	PROPOSED/RELOCATED STAKE MOUNTED TAXIWAY LIGHT
	PROPOSED BASE MOUNTED TAXIWAY LIGHT
	PROPOSED TAXI GUIDANCE SIGN

ELECTRICAL NOTES

CABLES:

- ALL PROPOSED RUNWAY & TAXIWAY LIGHTING CABLE SHALL BE LOCATED 12' FROM THE PAVEMENT EDGE UNLESS OTHERWISE STATED BY THE RESIDENT ENGINEER.
- ALL PROPOSED CABLE SHALL BE PLACED 18" MINIMUM BELOW THE PROPOSED GRADE.
- LOW-VOLTAGE WIRING SHALL MAINTAIN SEPARATION FROM HIGH-VOLTAGE WIRING. LOW-VOLTAGE WIRING AND HIGH-VOLTAGE WIRING SHALL NOT BE INSTALLED IN THE SAME RACEWAY, DUCT, HANDHOLE, MANHOLE, OR JUNCTION BOX.
- IN AREAS WHERE THERE IS A CONGESTION OF CABLES OR WHERE THE PROPOSED CABLE CROSSES AN EXISTING CABLE, THE PROPOSED CABLE WILL BE HAND DUG INTO PLACE. AT ALL OTHER LOCATIONS, THE PROPOSED CABLE IN UNIT DUCT MAY BE EITHER TRENCHED OR PLOWED INTO PLACE. THE TRENCHING AND/OR PLOWING WILL BE CONSIDERED INCIDENTAL TO THE PROPOSED CABLE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL CABLE SHOWN BY A (-----) DASHED LINE ARE EXISTING CIRCUITS THAT ARE NOT PART OF THIS CONTRACT. THE LOCATION OF THESE CABLES ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND IDENTIFY THESE EXISTING CIRCUITS PRIOR TO THE INSTALLATION OF THE PROPOSED CABLE. ANY DAMAGE TO THE EXISTING CIRCUITS SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE RESIDENT ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- LOW VOLTAGE AIRFIELD CABLES AND CABLE IN UNIT DUCT SHALL HAVE COLOR CODED INSULATION AS FOLLOWS:

120 VAC CIRCUITS

PHASE A	BLACK
PHASE B	RED OR BLACK WITH RED TAPE
NEUTRAL	WHITE
GROUND	GREEN

240 VAC CIRCUITS

PHASE A	BLACK
PHASE B	RED
GROUND	GREEN

480 VAC CIRCUITS (480 VAC LINE TO NEUTRAL)

HOT	BLACK WITH BROWN TAPE
NEUTRAL	WHITE OR GRAY
GROUND	GREEN

LIGHTS:

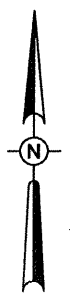
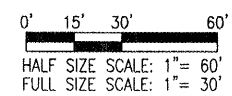
- ALL PROPOSED TAXIWAY LIGHTS WILL BE PLACED 10' FROM THE PAVEMENT EDGE UNLESS SHOWN OTHERWISE.
- ALL PROPOSED TAXIWAY LIGHTS WILL BE CONSTRUCTED AT THE LOCATION SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE DETAILS SHOWN ON SHEET ** AND THE SPECIFICATIONS.
- ALL PROPOSED TAXIWAY LIGHTS WILL USE 360° BLUE LENSES.

DUCT:

- ALL PROPOSED 2-WAY & 4-WAY CONCRETE DUCTS WILL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON SHEET NO. 14 AND IN ACCORDANCE WITH THE DETAIL ON SHEET NO. 16 AND THE SPECIFICATIONS.
- THE TOP OF THE PROPOSED 2-WAY & 4-WAY DUCTS WILL BE LOCATED 24" MIN. BELOW THE FINISHED PAVEMENT GRADE.
- DURING CONSTRUCTION, THE EXISTING RUNWAY AND TAXIWAY LIGHTING CIRCUITS MAY BE INOPERABLE DURING THE DAY. HOWEVER, THE CIRCUIT SHALL BE FUNCTIONING AT THE END OF THE CONSTRUCTION DAY. THE CONTRACTOR WILL DO WHATEVER IS NECESSARY TO HAVE THE CIRCUITS ACTIVE AT THE END OF THE CONSTRUCTION DAY. THE WORK WILL BE CONSIDERED AS PART OF THE LIGHTING INSTALLATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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.



BY	
REVISION	
DATE	
MACOMB MUNICIPAL AIRPORT MACOMB, ILLINOIS	
A.I.P. PROJ.: 3-17-0664-B16	

HET Project No. 0840004D_0800 Filename: R-142ELE.DWG Scale: 1" = 30' Date: 04/11/08	04/09/08 04/09/08
LAYOUT	KNL
DRAWN	MV
REVIEWED	RAW

Hanson Professional Services Inc.
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Offices Nationwide

**CONSTRUCT
RAMP EXPANSION**

PROPOSED
ELECTRICAL
PLAN - CONTINUED

15

15 of 32 sheets