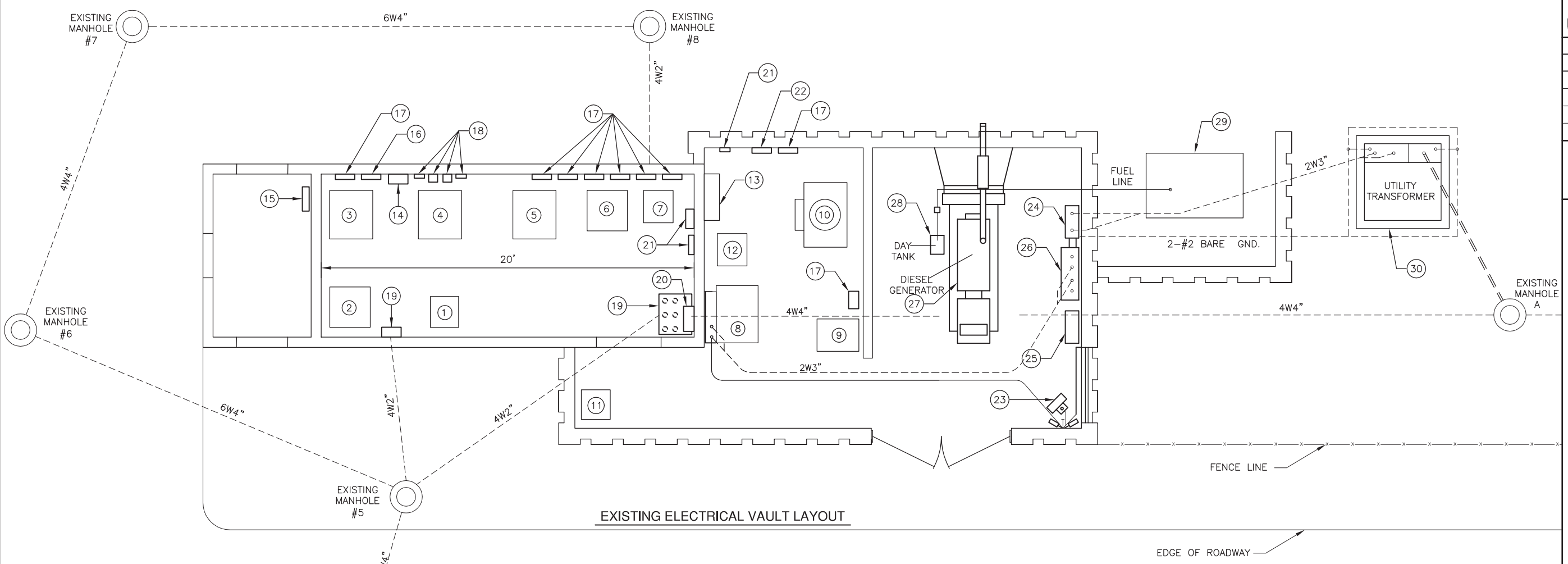
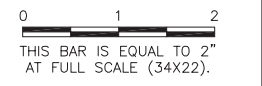


UN051

REVISIONS		
NUMBER	BY	DATE



EXISTING ELECTRICAL VAULT LAYOUT

EXISTING VAULT PLAN KEYED NOTES

- 1 EXISTING RUNWAY 4/22 REGULATOR (CKT. R3), CROUSE-HINDS, L-828, 10 KW, 240V INPUT, 5-STEP 6.6A OUTPUT. TO BE RELOCATED TO NEW VAULT AND BECOME "SPARE REGULATOR #4".
- 2 EXISTING RUNWAY 18/36 REGULATOR (CKT. R1), G.S. HEVI-DUTY, L-828, 7.5 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. TO BE DISCONNECTED AND DISPOSED OF OFFSITE IN CONFORMANCE WITH ALL APPLICABLE ENVIRONMENTAL GUIDELINES AND REQUIREMENTS.
- 3 EXISTING N.W. TAXIWAY REGULATOR (CKT. T2/3), CROUSE-HINDS, L-828, 15 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. TO BE RELOCATED TO NEW VAULT AND BECOME "SPARE REGULATOR #3".
- 4 EXISTING TAXIWAY B (S.W.) REGULATOR (CKT. T7), CROUSE-HINDS, L-828, 20 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. TO BE RELOCATED TO NEW VAULT AND BECOME "SPARE REGULATOR #5".
- 5 EXISTING S.E. TAXIWAY REGULATOR (CKT. T4/5), CROUSE-HINDS, L-828, 15 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. TO BE RELOCATED TO NEW VAULT AND BECOME "SPARE REGULATOR #6".
- 6 EXISTING N.E. TAXIWAY REGULATOR (CKT. T8), G.S. HEVI-DUTY, L-828, 7.5 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. TO BE DISCONNECTED AND DISPOSED OF OFFSITE IN CONFORMANCE WITH ALL APPLICABLE ENVIRONMENTAL GUIDELINES AND REQUIREMENTS.
- 7 EXISTING CENTER TAXIWAY REGULATOR (CKT. T1), CROUSE-HINDS, L-828, 10 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. TO BE DISCONNECTED AND DISPOSED OF OFFSITE IN CONFORMANCE WITH ALL APPLICABLE ENVIRONMENTAL GUIDELINES AND REQUIREMENTS.
- 8 EXISTING RUNWAY 14L/32R REGULATOR (CKT. R2), HONEYWELL, L-828, 50 KW, 480V INPUT, 5-STEP 20A OUTPUT. TO BE RELOCATED TO NEW VAULT AND BECOME "SPARE REGULATOR #1".
- 9 EXISTING RUNWAY 14R/32L REGULATOR (CKT. R4), HONEYWELL, L-828, 15 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. TO BE RELOCATED TO NEW VAULT AND BECOME "SPARE REGULATOR #2".
- 10 EXISTING BACKUP RUNWAY 14L/32R REGULATOR (CKT. R2), G.S. HEVI-DUTY, L-828, 50 KW, 240V INPUT, 5-STEP 20A OUTPUT. NOTE: REGULATOR IS OIL-COOLED. TO BE DISCONNECTED AND DISPOSED OF OFFSITE IN CONFORMANCE WITH ALL APPLICABLE ENVIRONMENTAL GUIDELINES AND REQUIREMENTS.
- 11 EXISTING UNUSED REGULATOR, G.S. HEVI-DUTY, L-828, 10 KW, 240V INPUT, 3-STEP 6.6A OUTPUT. TO BE DISPOSED OF OFFSITE IN CONFORMANCE WITH ALL APPLICABLE ENVIRONMENTAL GUIDELINES AND REQUIREMENTS.
- 12 EXISTING CUTLER-HAMMER 75KVA TRANSFORMER, 240/480V x 120/240V, 1-PHASE, 3-WIRE. TO BE RELOCATED AND RE-USED IN NEW VAULT. SEE NEW VAULT PLAN SHEETS FOR ADDITIONAL INFORMATION.
- 13 EXISTING MAIN DISTRIBUTION PANEL BOARD, 800A, 120/240V, 3-PHASE, 4-WIRE, "WILD-LEG" DELTA (C-PHASE IS "HIGH LEG"). TO BE DISCONNECTED, REMOVED, AND TURNED OVER TO THE AIRPORT.
- 14 EXISTING PANEL #1, 225A, 120/240V, 1-PHASE, 3-WIRE. TO BE DISCONNECTED AND DISPOSED OF OFFSITE.

- 15 EXISTING PANEL #2, 100A, 120/240V, 1-PHASE, 3-WIRE. TO BE DISCONNECTED AND DISPOSED OF OFFSITE.
- 16 EXISTING L-854 RADIO CONTROLLER. TO BE DISCONNECTED, REMOVED, AND TURNED OVER TO THE AIRPORT.
- 17 EXISTING L-854 RADIO CONTROL REGULATOR INTERFACE EQUIPMENT. TO BE DISCONNECTED AND DISPOSED OF OFFSITE.
- 18 EXISTING PAPI 14 & PAPI 32 CONTACTORS AND STEP-UP TRANSFORMERS. THE CONTACTORS SHALL BE DISCONNECTED AND RELOCATED TO NEW VAULT. SEE NEW VAULT PLAN SHEETS FOR ADDITIONAL INFORMATION. THE STEP-UP TRANSFORMERS SHALL BE DISCONNECTED, REMOVED, AND TURNED OVER TO THE AIRPORT.
- 19 EXISTING JUNCTION BOX. TO BE DISPOSED OF OFFSITE.
- 20 EXISTING RAMP LIGHTING CONTROLS. TO BE DISCONNECTED AND DISPOSED OF OFFSITE.
- 21 EXISTING FAA RVR RLIM EQUIPMENT. TO BE DISCONNECTED AND RELOCATED TO NEW VAULT. SEE NEW VAULT PLAN SHEETS FOR ADDITIONAL INFORMATION.
- 22 EXISTING RUNWAY 4R/22L NORMAL/BACKUP REGULATOR SELECT CONTROLS. TO BE DISCONNECTED AND DISPOSED OF OFFSITE.
- 23 EXISTING UNIT HEATER. TO BE DISCONNECTED, REMOVED, AND TURNED OVER TO THE AIRPORT.
- 24 EXISTING UTILITY MAIN FUSED DISCONNECT, 800A, 3P. TO BE DISCONNECTED AND DISPOSED OF OFFSITE.
- 25 EXISTING STANDBY GENERATOR MAIN FUSED DISCONNECT, 600A, 3P. TO BE DISCONNECTED, REMOVED, AND TURNED OVER TO THE AIRPORT.
- 26 EXISTING 800A RUSSELECTRIC AUTOMATIC TRANSFER SWITCH, 120/240V, 3-PHASE, 4-WIRE. TO BE DISCONNECTED, REMOVED, AND TURNED OVER TO THE AIRPORT.
- 27 EXISTING STANDBY GENERATOR, 200KW/250KVA, 120/240V, 3-PHASE, 4-WIRE. TO BE DISCONNECTED, REMOVED, AND TURNED OVER TO THE AIRPORT.
- 28 EXISTING STANDBY GENERATOR DAY TANK. TO BE REMOVED AND TURNED OVER TO THE AIRPORT.
- 29 EXISTING STANDBY GENERATOR ABOVE GROUND FUEL TANK. TO BE REMOVED AND TURNED OVER TO THE AIRPORT.
- 30 EXISTING UTILITY TRANSFORMER, 120/240V, 3-PHASE, 4-WIRE, "WILD-LEG" DELTA. TO REMAIN.

**WILLARD AIRPORT
 UNIVERSITY OF ILLINOIS**

**NEW AIRFIELD LIGHTING VAULT
 EXISTING VAULT PLAN**

© Copyright CMT, Inc.
CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	WDP
DRAWN BY:	CMT
CHECKED BY:	CBG
APPROVED BY:	CET
DATE:	APRIL 20, 2012
JOB No:	11059-03
IL PROJ. NO. CMI-4100 AIP PROJ. NO. 3-17-0016-XX	
SHEET 44 OF 60 SHEETS	