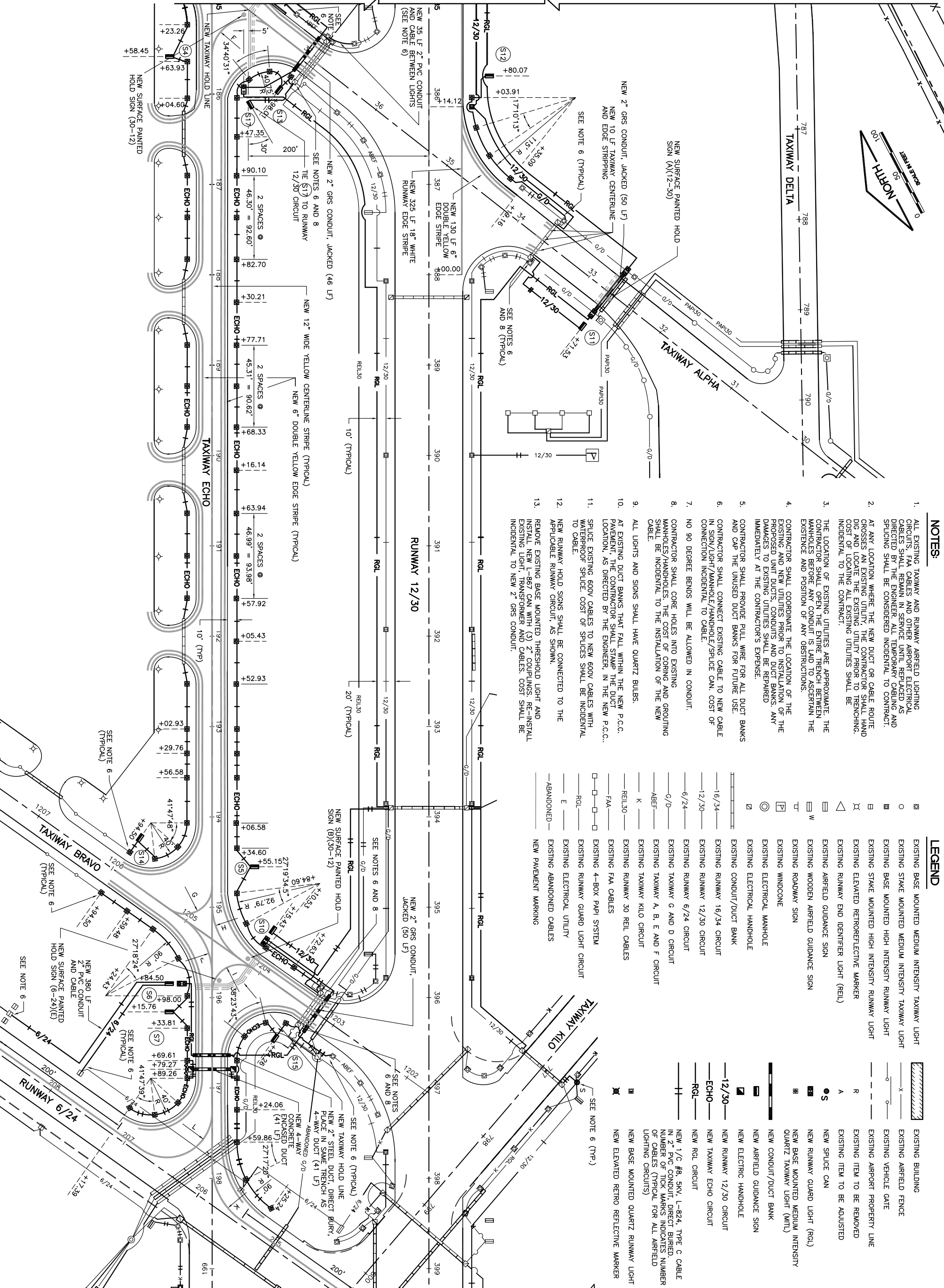


MATCHLINE STA. 385+00



**NOTES:**

1. ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER AIRPORT ELECTRICAL CABLES SHALL REMAIN IN SERVICE UNTIL REPLACED AS DIRECTED BY THE ENGINEER. ALL TEMPORARY CABLING AND SPLICING SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
2. AT ANY LOCATION WHERE THE NEW DUCT OR CABLE ROUTE CROSSES AN EXISTING UTILITY, THE CONTRACTOR SHALL HAND DIG AND LOCATE THE EXISTING UTILITIES PRIOR TO TRENCHING. COST OF LOCATING ALL EXISTING UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT.
3. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL OPEN THE ENTIRE TRENCH BETWEEN MANHOLES BEFORE ANY CONDUIT IS LAID TO ASCERTAIN THE EXISTENCE AND POSITION OF ANY OBSTRUCTIONS.
4. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE PROPOSED UNIT DUCTS, CONDUITS AND DUCT BANKS. ANY DAMAGES TO EXISTING UTILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR SHALL PROVIDE PULL WIRE FOR ALL DUCT BANKS AND CAP THE UNUSED DUCT BANKS FOR FUTURE USE.
6. CONTRACTOR SHALL CONNECT EXISTING CABLE TO NEW CABLE IN SIGN/LIGHT/MANHOLE/HANDHOLE/SPLICE CAN. COST OF CONNECTION INCIDENTAL TO CABLE.
7. NO 90 DEGREE BENDS WILL BE ALLOWED IN CONDUIT.
8. CONTRACTOR SHALL CORE HOLES INTO EXISTING MANHOLES/HANDHOLES. THE COST OF CORING AND GROUTING SHALL BE INCIDENTAL TO THE INSTALLATION OF THE NEW CABLE.
9. ALL LIGHTS AND SIGNS SHALL HAVE QUARTZ BULBS.
10. AT EXISTING DUCT BANKS THAT FALL WITHIN THE NEW P.C.C. PAVEMENT, THE CONTRACTOR SHALL STAMP THE DUCT LOCATION, AS DIRECTED BY THE ENGINEER, IN THE NEW P.C.C.
11. SPlice EXISTING BODY CABLES TO NEW BODY CABLES WITH WATERPROOF SPLICE. COST OF SPLICES SHALL BE INCIDENTAL TO CABLE.
12. NEW RUNWAY HOLD SIGNS SHALL BE CONNECTED TO THE APPLICABLE RUNWAY CIRCUIT, AS SHOWN.
13. REMOVE EXISTING BASE MOUNTED THRESHOLD LIGHT AND INSTALL NEW L-867 CAN WITH (3) 2" COUPLINGS. RE-INSTALL EXISTING LIGHT, TRANSFORMER AND CABLES. COST SHALL BE INCIDENTAL TO NEW 2" GRS CONDUIT.

**LEGEND**

□	EXISTING BASE MOUNTED MEDIUM INTENSITY TAXIWAY LIGHT	▨	EXISTING BUILDING
○	EXISTING STAKE MOUNTED MEDIUM INTENSITY TAXIWAY LIGHT	—x—	EXISTING AIRFIELD FENCE
■	EXISTING STAKE MOUNTED HIGH INTENSITY RUNWAY LIGHT	—o—	EXISTING VEHICLE GATE
⊞	EXISTING STAKE MOUNTED HIGH INTENSITY RUNWAY LIGHT	—	EXISTING AIRPORT PROPERTY LINE
⊞	EXISTING ELEVATED RETROREFLECTIVE MARKER	—	EXISTING ITEM TO BE REMOVED
⊞	EXISTING RUNWAY END IDENTIFIER LIGHT (REIL)	—	EXISTING ITEM TO BE ADJUSTED
⊞	EXISTING AIRFIELD GUIDANCE SIGN	● S	NEW SPLICE CAN
⊞	EXISTING WOODEN AIRFIELD GUIDANCE SIGN	■	NEW RUNWAY GUARD LIGHT (RGL)
⊞	EXISTING ROADWAY SIGN	■	NEW BASE MOUNTED MEDIUM INTENSITY QUARTZ TAXIWAY LIGHT (MTL)
⊞	EXISTING WINDCOONE	■	NEW QUARTZ TAXIWAY LIGHT (MTL)
⊞	EXISTING ELECTRICAL MANHOLE	■	NEW CONDUIT/DUCT BANK
⊞	EXISTING ELECTRICAL HANDHOLE	■	NEW AIRFIELD GUIDANCE SIGN
⊞	EXISTING CONDUIT/DUCT BANK	■	NEW ELECTRIC HANDHOLE
⊞	EXISTING RUNWAY 16/34 CIRCUIT	■	NEW RUNWAY 12/30 CIRCUIT
⊞	EXISTING RUNWAY 12/30 CIRCUIT	■	NEW TAXIWAY ECHO CIRCUIT
⊞	EXISTING RUNWAY 6/24 CIRCUIT	■	NEW RGL CIRCUIT
⊞	EXISTING TAXIWAY G AND D CIRCUIT	■	NEW 1/C #8, 5KV, L-824, TYPE C CABLE
⊞	EXISTING TAXIWAY A, B, E AND F CIRCUIT	■	IN 2" PVC CONDUIT, DIRECT BURIED, NUMBER OF TICK MARKS INDICATES NUMBER OF CABLES (TYPICAL FOR ALL AIRFIELD LIGHTING CIRCUITS)
⊞	EXISTING TAXIWAY KILO CIRCUIT	■	NEW BASE MOUNTED QUARTZ RUNWAY LIGHT
⊞	EXISTING RUNWAY 30 REL CABLES	■	NEW ELEVATED RETRO REFLECTIVE MARKER
⊞	EXISTING FAA CABLES	■	
⊞	EXISTING 4-BOX PAPI SYSTEM	■	
⊞	EXISTING RUNWAY GUARD LIGHT CIRCUIT	■	
⊞	EXISTING ELECTRICAL UTILITY	■	
⊞	EXISTING ABANDONED CABLES	■	
⊞	NEW PAVEMENT MARKING	■	

**CHICAGO EXECUTIVE AIRPORT**  
**WHEELING/PROSPECT HEIGHTS, ILLINOIS**  
**CONSTRUCT PARTIAL PARALLEL TAXIWAY ECHO AND**  
**PARTIAL OVERLAY OF TAXIWAY ECHO**

**CHICAGO EXECUTIVE AIRPORT**

CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
 License No. 184-000613

**LIGHTING AND PAVEMENT MARKING PLAN**  
**SHEET 1**

K:\Chicago\cmt\0829008 -by E:\brow\Sheela\1\work  
 FILE: lxy-lighting-2.dwg  
 LAYOUT: Layout1  
 UPDATE BY: mtkatz  
 SURVEY BOOK #  
 DATE: Fri 4/1/11 9:18am  
 XREF DWG: echo-base.dwg  
 tbcmt\_lxy.dwg  
 tb.dwg

DESIGN BY: AB

DRAWN BY: JRO

CHECKED BY: MLK

APPROVED BY: DLP

DATE: 04/22/11

JOB No: 08290-08

ILLINOIS PROJECT: PWK-3244  
 A.I.P. PROJECT: 3-17-0018-B32

SHEET 28 OF 49 SHEETS

THIS BAR IS EQUAL TO 2"  
 AT FULL SCALE (3/4X22).

**REVISIONS**

NUMBER	BY	DATE