WHEELING/PROSPECT HEIGHTS, CHICAGO EXECUTIVE AIRPO

TOTAL SHEETS = 49

PA051

CONSTRUCTION PLANS

FOR



602306-03 602401-03 602601-02 **IDOT STANDARDS** 604036-02 604051-03 606001-04 604001-03

502701-02

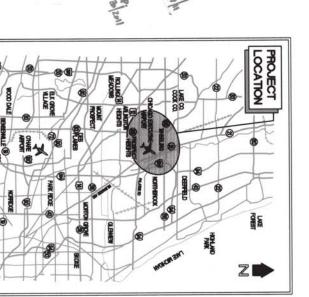
CONSTRUCT PARTIAL PARALLEL TAXIWAY ECHO AND PARTIAL OVERLAY OF TAXIWAY ECHO CHICAGO EXECUTIVE AIRPORT

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

DATE: APRIL 22, 2011

CHICAGO EXECUTIVE AIRPORT

TOWNSHIP: 42 NORTH RANGE: 11 EAST

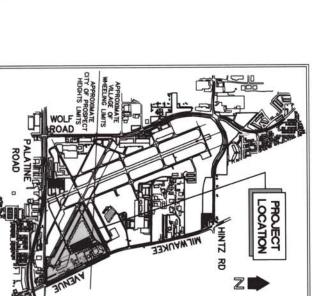


LOCATION MAP

APPROVED

AIRPORT MANAGER

CHICAGO EXECUTIVE AIRPORT



SITE PLAN

INDEX TO SHEETS DESCRIPTION

TE PLAMPROJECT CONTROL PLAN

SQUENCE OF CONSTRUCTION PER AC 1505370-2E (LATEST EDITION)

SQUENCE OF CONSTRUCTION GENERAL NOTES AND DETAILS

CORM WATER POLLUTION PREVENTION PLAN (SWPPP) / LANDSCAPING PLAN

TORM WATER POLLUTION PREVENTION PLAN (SWPPP) MOTES

TORM WATER POLLUTION PREVENTION PLAN (SWPPP) DETAILS

TORM WATER POLLUTION PREVENTION PLAN (SWPPP) DETAILS

LIGHTING AND PAVEMENT MARKING PLAN SHEET 1
LIGHTING AND PAVEMENT MARKING PLAN SHEET 2
ELECTRICAL DETALS - SHEET 1
ELECTRICAL DETALS - SHEET 2
ELECTRICAL DETALS - SHEET 2
ELECTRICAL DETALS - SHEET 3
ELECTRICAL DETALS - SHEET 3 GRADING PLAN SHEET?

MITERSECTION GRADE DETAILS

PAVEMENT JONTING DETAILS

STORM SEVER AND WATERMAN PROFILES SHEET 1

STORM SEVER AND WATERMANN PROFILES SHEET 2

DRANAGEJUTLITY SCHEDULE AND DRANAGE DETAILS

SLOPE BOX NLET DETAILS SEOMETRIC PLAN
PLAN AND PROFILE SHEET 1
PLAN AND PROFILE SHEET 2
PLAN AND PROFILE SHEET 3 (ISTING CONDITIONS/PROPOSED REMOVALS SHEET 1

DITIVE ALTERNATE #1 PLAN AND PROFILE TAXIMAY BRAVO
DITIVE ALTERNATE #2 ALCMS SHEET 1
DITIVE ALTERNATE #2 ALCMS SHEET 2
DITIVE ALTERNATE #2 ALCMS SHEET 3

SUMMARY OF QUANTITIES

IDOT # NPDES # VILLAGE OF WHEELING - 847.459.2600 CITY OF PROSPECT HEIGHTS - 847.398.6700 LOCAL AGENCY CONTACT INFORMATION CITY PERMIT # VILLAGE PERMIT # PROJECT PERMIT LOG

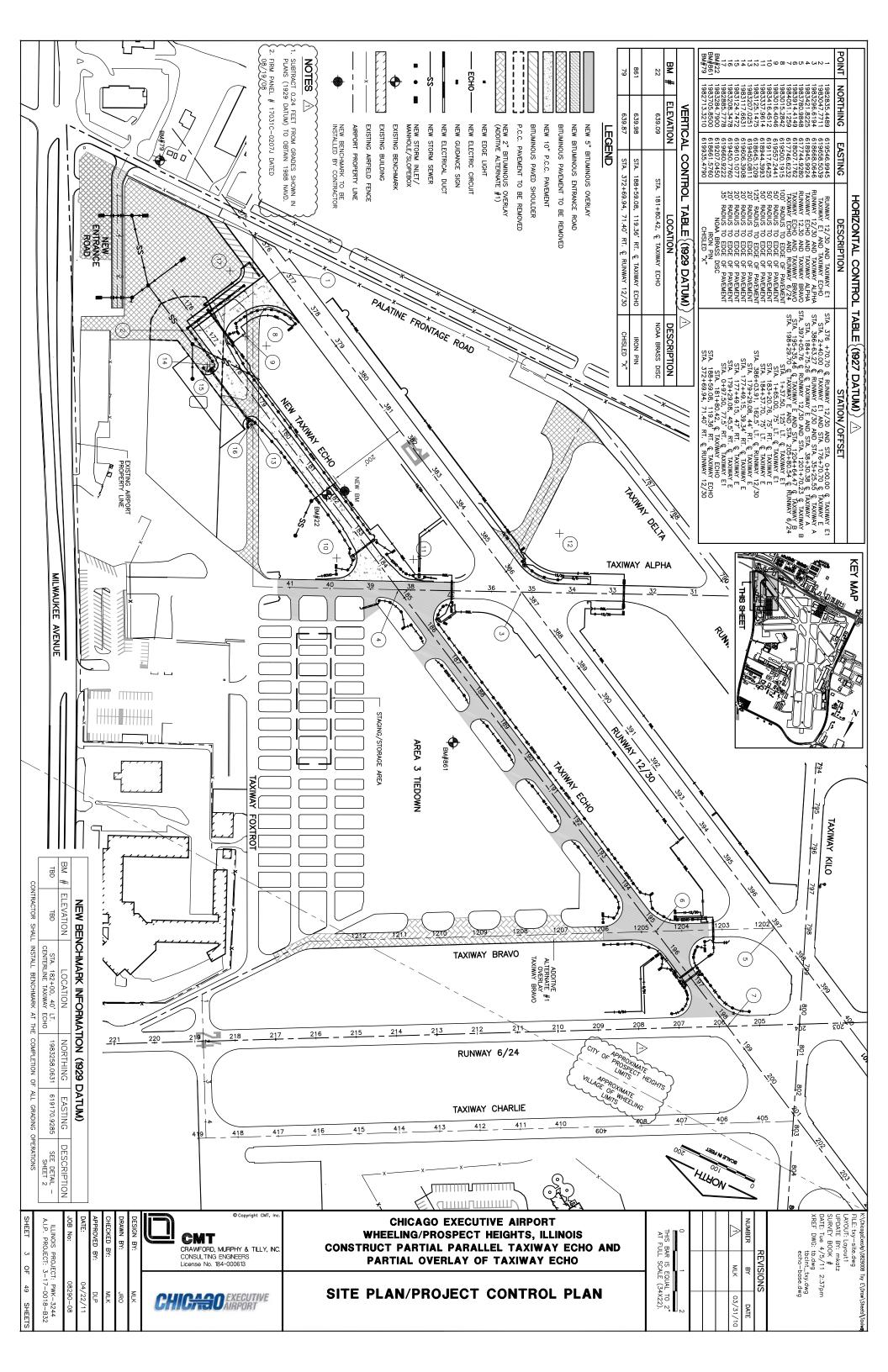
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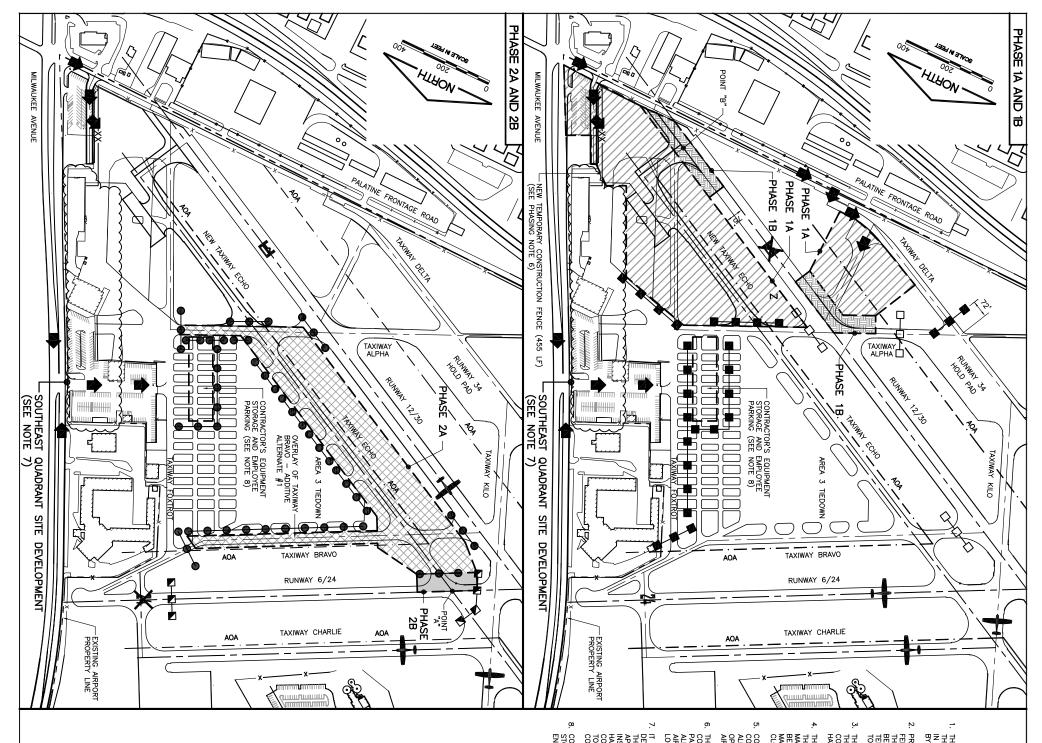
			TOTAL
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	1/C#85KVUGCABLE	I.F.	16.000
	20 KW REGULATOR, STYLE 1	EACH	1
-	2" PVC DUCT, DIRECT BURY	T.F	11,110
	2" STEEL DUCT, DIRECT BURY	F	370
AR110512 AR110504	2 STEEL DUCT, JACKED 4-WAY CONCRETE ENCASED DUCT	F; F:	240
AR110610	ELECTRICAL HANDHOLE	EACH	6
AR110906	REMOVE ELECTRICAL HANDHOLE	EACH	5
	MITL - BASE MOUNTED	EACH	120
AR125443 AR125444	TAXI GUIDANCE SIGN, 3 CHARACTER TAXI GUIDANCE SIGN. 4 CHARACTER	EACH	10
	TAXI GUIDANCE SIGN, 5 CHARACTER	EACH	2
	MODIFY EXISTING SIGN PANEL	EACH	
	MIRL, BASE MOUNTED	EACH	
	SPLICE CAN REMOVE STAKE MOUNTED LIGHT	FACH	58
	REMOVE BASE MOUNTED LIGHT	EACH	35
ΙI	REMOVE TAXI GUIDANCE SIGN	EACH	6
	ADJUST BASE MOUNTED LIGHT	EACH	17
AR125964	RELOCATE TAXI GUIDANCE SIGN	EACH	- 4
	UNCLASSIFIED EXCAVATION	CX	14,195
AR152540	SOIL STABILIZATION FABRIC	SY	6,515
AR156510	SILT FENCE	IF	6,762
AR156511	DITCH CHECK	EACH	2 4
AR162506	INLET PROTECTION CLASS E FENCE 6'	LF	435
AR162900	REMOVE CLASS E FENCE	ΙF	506
	REMOVE GATE	EACH	1
AR162908	REMOVE ELECTRIC GATE	EACH	1
	CONSTRUCTION FENCE	Q F	2 175
	CRUSHED AGG. BASE COURSE - 6"	SY	7,515
AR209608	CRUSHED AGG. BASE COURSE - 8"	SY	1,140
	BITUMINOUS SURFACE COURSE	TON	1,740
AR401620	BIT SURFACE COURSE, LEVELING	e V	4 847
AR401655	BUTT JOINT CONSTRUCTION	SY	2,722
AR401900	REMOVE BITUMINOUS PA VEMENT	SY.	18,087
AR401910	REMOVE & REPLACE BIT. PAVEMENT	SY	50
AR403610	BITUMINOUS BASE COURSE	TON	2,275
AR501510	10" PCC PA VEMENT	SY	5,700
AR501530	PCC TEST BATCH	EACH	3000
AR501900 AR602510	REMOVE PCC PA VEMENT	GAI	1110
AR603510	BITUMINOUS TACK COAT	GAL	3.580
AR620520	PA VEMENT MARKING - WATERBORNE	SF	12,505
AR620525	PAVEMENT MARKING-BLACK BORDER	SF	14,705
AR620900	PAVEMENT MARKING REMOVAL	SF	3,530
	12" RCP, CLASS IV	IF	518
AR701515	15" RCP, CLASS IV	H	678
	REMOVE PIPE	Ę	1,629
	6" PERFORATED UNDERDRAIN W/ SOCK	Į., F.	2,140
	INLET - TYPE B	FACH	4
-	MANHOLE4	FACH	7
AR751900	REMOVE INLET	FACH	2
AR751903	REMOVE MANHOLE	EACH	8
AR751940	ADJUST INLET	EACH	4
AR751943	ADJUST MANHOLE	EACH	5
AR754410	COMB. CONCRETE CURB & GUTTER	H	690
AR760508	8" DUCTILE IRON WATER MAIN	Ŧ	50
AR760724	24" STEEL CASING	H	22
AR800015	REPLACE BENCHMARK	EACH	1
AR800026	SLOPE BOX INLET 12"	FACH	4
AR800053	SOIL GUARD	SY	9.174
AR800153	CONCRETE WASHOUT	LS	
AR800154	REMOVE WOODEN TAXI GUIDANCE SIGN	EACH	_
V D800101	REMOVE ELEVATED RETROREFLECTIVE MARKER	FACH	1
7 1000	L-804 RGL ELEVATED, BASE MOUNTED		5 25
AR800816		EACH	25
AR800816 AR901510	SEEDING	EACH	1 5 25 8 10.9
AR800816 AR901510 AR908510	SEEDING MULCHING	EACH ACRE ACRE	5 5 25 8 10.9 9.0

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
ADDITIVE ALTE	ADDITIVE ALTERNATE#1 - OVERLAY TAXIWAY BRAVO		
AS401610	BITUMINOUS SURFACE COURSE	TON	480
AS401655	BUTT JOINT CONSTRUCTION	SY	360
AS603510	BITUMINOUS TACK COAT	GAL	615
AS620520	PA VEMENT MARKING - WATERBORNE	SF	2,610
AS620525	PAVEMENT MARKING - BLACK BORDER	SF	3,516
ADDITIVE ALTEI	ADDITIVE ALTERNATE#2 - ALCMS SYSTEM AND SPARE REGULATOR		
AT109362	30 KW REGULATOR, STYLE 2	EACH	1
AT109630	LIGHTING CONTROL COMPUTER SYSTEM	LS	1
AT800178	FIBER OPTIC CABLE	H	081

			l -	4.27'			
	-			2.95'	-		
NOT TO SCALE	NEW BENCHMARK DETAIL	1.64'		CONCRETE	SURVEY DISK	EXISTING GROUND SURFACE	0.98'

9	CHECKED BY: A.I.P. PROJECT: 3 A.I.P. PROJECT: 3	CHICAGO EXECUTIVE AIRPORT WHEELING/PROSPECT HEIGHTS, ILLINOIS CONSTRUCT PARTIAL PARALLEL TAXIWAY ECHO AND PARTIAL OVERLAY OF TAXIWAY ECHO	O 1 THIS BAR IS E AT FULL SCA	NUMBER BY	撮	K:\ChicagoExecha\\0829008 FILE: txy-SOQ.dwg LAYOUT: Layout1 UPDATE BY: mkct: SURVEY BOOK # DATE: Tue 4/5/11 XREF DWG: tb.dwg tbcint_d tbcint_
9	MLK JRO MLK DLP 04/22/11 08290-08 71: PWK-3244 -17-0018-B32	SUMMARY OF QUANTITIES	2 EQUAL TO 2" LE (34X22).	M 03/31/10	VISIONS	Tay E(Draw\Sheels\Taxing) 3:07pm wg txy.dwg





PHASING NOTES (ALL PHASES)

- THE INTENT OF THE PHASING PLANS IS TO MINIMIZE THE IMPACT OF CONSTRUCTION ON THE OPERATION OF THE AIRPORT. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN CONSECUTIVE PHASES AS OUTLINED IN THE PLANS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- PRIOR TO REOPENING A CLOSED RUNWAY, THE ENTIRE RUNWAY SAFETY AREA (200 FEET FROM CENTERLINE) MUST MEET FAA CRITERIA, FAA CRITERIA REQUIRES THAT THERE BE NO OPEN EXCANATIONS OR TRENCHES, THE MAXIMUM PAVEMENT DROPOFF BE 3 INCHES, AND ALL GRADES IN ANY DIRECTION BE LESS THAN 5 PERCENT. TEMPORARY WEDGING OF BASE COURSE AND BITUMINOUS CONCRETE WILL BE REQUIRED TO MEET CRITERIA.
- THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE. STRICT ADHERENCE TO THE APPROVED SCHEDULE WILL BE ENFORCED TO AVOID CONFLICTS WITH OTHER CONSTRUCTION ACTIVITIES ON THE AIRPORT AND THE ADVERSE EFFECTS THEY COULD HAVE ON AIRPORT OPERATIONS.
- THE CONTRACTOR SHALL COORDINATE CLOSELY WITH THE AIRPORT STAFF TO SCHEDULE THE RUNWAY/TAXIMAY CLOSURES. ITEMS SUCH AS THE EXTENDED WEATHER FORECAST, MATERIAL AVAILABILITY, EQUIPMENT DEPENDABILITY AND MANPOWER AVAILABILITY SHALL BE DISCUSSED PRIOR TO SCHEDULING THIS CRITICAL CLOSURE. THE ACTING AIRPORT MANAGER AND THE CONTRACTOR SHALL MUTUALLY AGREE ON THE EXACT DATE OF THE CLOSURE.
- CONTRACTOR MUST MAINTAIN ACCESS TO ALL APRON/HANCAR AREAS AT ALL TIMES. CONTRACTOR SHALL RELOCATE EQUIPMENT AT NO ADDITIONAL COST TO CONTRACT TO ALLOW AIRCRAFT TO PASS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS AT ALL APRON/HANCAR AREAS TO PROVIDE MINIMAL DISRUPTIONS TO AIRCRAFT MOVEMENT IN THAT AREA.

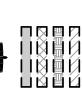
AIR OPERATIONS AREA (A.O.A.)
ACTIVE RUNWAYS 200' CENTERLINE TO A.O.A.
ACTIVE TAXIWAYS 72' CENTERLINE TO A.O.A.

TEMPORARY CLOSED RUNWAY MARKER DURING PHASES 1B AND 2B (TO BE PLACED ON BOTH ENDS OF EACH RUNWAY)

NEW TEMPORARY CONSTRUCTION FENCE CONTRACTOR'S ACCESS/HAUL ROUTE

- THE CONTRACTOR SHALL SECURE THE AIRFIELD AT ALL TIMES BY PLACING TEMPORARY CONSTRUCTION FENCE AS SHOWN. TEMPORARY CONSTRUCTION FENCE SHALL ONLY BE PAID FOR ONCE REGARDLESS OF HOW MANY TIMES IT IS TAKEN DOWN OR PUT UP TO ALLOW FOR CONSTRUCTION OPERATIONS. WITH PRIOR APPROVAL OF THE ENGINEER AND AIRPORT, THE CONTRACTOR MAY PLACE THE CONSTRUCTION FENCE AT AN ALTERNATE LOCATION TO SECURE THE AIRFIELD.
- CONTRACTOR SHALL RESTORE ALL HAUL ROUTES AND MATERIAL AND EQUIPMENT STORAGE ARES TO PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE ENGINEER AND AIRPORT MANAGER. IT IS VERY LIKELY THAT THE CONSTRUCTION OF THE SOUTHEAST QUADRANT DEPELOPMENT WILL BE TAKING PLACE CONCURRENTLY WITH THE CONSTRUCTION OF DEPELOPMENT HIS WORK CONSISTS OF THE CONSTRUCTION OF MULTIPLE BUILDINGS, APRON P.C.C. PAVEMENT, PARKING LOTS, DRAINAGE, SANITARY SEWER, WATERMAN INSTALLATION AND SITE DEVELOPMENT. CONTRACTOR SHALL COORDINATE SITE ACCESS, HAUL ROUTES AND MATERIAL STORAGE AREA WITH SOUTHEAST QUADRANT DEVELOPMENT CONTRACTOR. NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED FOR ANY EFFORTS TO COORDINATE AND ACCESS THE TAXIWAY SITE DUE TO ADJACENT BUILDING AND SITE CONSTRUCTION.





LEGEND PHASE 1A WORK AREA

PHASE 1B WORK AREA

PHASE 2B WORK

AIRCRAFT MOVEMEN

BARRICADE WITH FLASHING LIGHTS AND SIGNS PHASE 1B ("DO NOT ENTER" AND "AIRCRAFT MOVEMENT AREA") BARRICADE WITH FLASHING LIGHTS AND SIGNS PHASE 2A ("DO NOT ENTER" AND "AIRCRAFT MOVEMENT AREA") BARRICADE WITH FLASHING LIGHTS AND SIGNS PHASE 1A ("DO NOT ENTER" AND "AIRCRAFT MOVEMENT AREA")

BARRICADE WITH FLASHING LIGHTS AND SIGNS PHASE 2B ("DO NOT ENTER" AND "AIRCRAFT MOVEMENT AREA") AT I S BAR IS EQUAL TO 2" FULL SCALE (34X22).

FLASHING LIGHTS AND SIGNS PHASE	NT AREA	AREA
LIGHTS		
AND		
SIGNS		
PHASE		

,	2
	WORK
1	AREA

SHEET 4 OF	A.I.P. PROJECT: 3-:	JOB No:	DATE:	APPROVED BY:	CHECKED BY:	DRAWN BY:	DESIGN BY:	CMT CRAWFORD, MURPHY & TILLY, INC CONSULTING ENGINEERS License No. 184-000613
F 49 SH	ECT: PWK-32: 3-17-0018-	08290-08	04/22/1	DLP	MLK	JRO	MLK	CHICAGO EXECUTIVE

#

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

SEQUENCE OF CONSTRUCTION
PER AC 150/5370-2E
(LATEST EDITION)

					X D W C C II 3
0			NUMBER		FILE: txy—seq.dwg LAYOUT: Layout1 UPDATE BY: mtatz SURVEY BOK # BATE: Fri 4/1/11 XREF DWG: tbcint_ tb.dwg echo-t
1			ВҮ	REVISIONS	K:\ChicagoExec\p\0829008 Tay E\Dram\Sheets\Taning FILE: txy-seq.dwg LAYOUT: Layout1 UPDATE BY: mkatz SURVEY BOOK # DATE: Fri 4/1/11 8:59am XREF DWG: tbcint_txy.dwg tb.dwg echo-base.dwg
2			DATE		raw∖Sheels\Taxin a ∩ 3 9

K	PHASE 2B WORK WITHIN RUNWAY 6/24 AIR OPERATIONS AREA	PHASE 2A WORK OUTSIDE RUNWAY 12/30 AND RUNWAY 6/24 AIR OPERATIONS AREA	PHASE 1B WORK WITHIN RUNWAY 12/30 AND TAXIWAY ALPHA AIR OPERATIONS AREA	PHASE 1A WORK OUTSIDE RUNWAY 12/30 AND TAXIWAY ALPHA AIR OPERATIONS AREA	WORK AREA
KEY MAP	WORK WITHIN RUNWAY 6/24 AIR OPERATIONS AREA TO BE COMPLETED WITHIN 7 CALENDAR DAYS	NO RESTRICTIONS	WORK WITHIN RUNWAY 12/30 AIR OPERATIONS AREA TO BE COMPLETED WITHIN 21 CALENDAR DAYS	NO RESTRICTIONS	ALLOWABLE WORK PERIODS
Ž	TAXIWAY ECHO CLOSED, BETWEEN TAXIWAY BRAVO AND RUNWAY 6/24 RUNWAY 6/24 CLOSED	TAXIWAY ECHO CLOSED, SOUTH OF RUNWAY 6/24 TAXIWAY ALPHA CLOSED, EAST OF RUNWAY 12/30 TAXIWAY BAVO CLOSED BETWEEN RUNWAY 12/30 AND TAXIWAY FOXTROT	RUNWAY 12/30 CLOSED TAXIWAY ALPHA CLOSED WEST OF RUNWAY 12/30	TAXIWAY DELTA, SOUTH OF TAXIWAY ALPHA CLOSED SOUTHEAST APRON SOUTH OF TAXIWAY ALPHA CLOSED TAXIWAY FOXTROT SOUTH OF TAXIWAY ALPHA CLOSED TAXIWAY FOXTROT TAXIWAY ALPHA OPEN RUNWAY 12/30 OPEN	OPERATIONAL STATUS/ RESTRICTIONS

- THE SUGGESTED SEQUENCE OF CONSTRUCTION SHOWN IS INTENDED TO ALLOW FOR THE OPDERLY CONSTRUCTION OF THE PROPOSED MAPOVEMENTS WHILE MANIFAMING ARCRAFT ACCESS AT ALL TIMES. THE PHASING SHOWN IS A SUGGESTED SEQUENCE OF CONSTRUCTION ONLY. THIS SEQUENCE MAY BE MODIFIED HOWEVER, ALTERNATE STAGING PLANS MUST MAINTAIN AIRPORT OPERATIONS TO THE SATISFACTION OF THE AIRPORT MANAGER AND RESIDENT ENGINEER AND BE APPROVED BY THE DIVISION OF AERONAUTICS AND FEDERAL AVAITON ADMINISTRATION.
- ALL OPERATIONS SHALL BE IN CONFORMANCE WITH AC 150/5370-2E (LATEST EDITION) SAFETY DURING CONSTRUCTION.
- CONTRACTOR'S EQUIPMENT SHALL WHEN CONSTRUCTION IS NOT IN I . BE STORED IN PROGRESS. THE EQUIPMENT AND MATERIAL STORAGE/STAGING AREA
- ARPORT MANAGER IN CONSULTATION WITH THE RESIDENT ENGINEER ROVAL OF THE CONSTRUCTION OPERATING SEQUENCE AS IT RELATES RAFT SAFETY. SHALL HAVE FINAL SAY IN 1 TO PEDESTRIAN, VEHICULAR

23.

ALL EXISTING PAVEMENTS, DRIVES OR ANY OTHER AREAS USED AS A HAUL ROAD OR STORAGE AREA BY THE CONTRACTOR SHALL BE RESTORED IN KIND TO THEIR PRE-CONSTRUCTION CONDITION OR TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER. THE COST OF MAINTAINING, REPARING OR CONSTRUCTING THESE PAVEMENTS AND AREAS SHALL BE INCIDENTAL TO THE CONTRACT. EXISTING AREAS OUTSIDE THE PROJECT LIMITS WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE AIRPORT MANAGER.

24.

- THE CONTRACTOR SHALL KEEP ALL TRUCKS, EQUIPMENT AND MATERIALS OFF OF THE EXISTING TAXIWAYS, APRONS AND RUNWAYS OUTSIDE OF THE PROJECT LIMITS EXCEPT AS SHOWN OR WITH THE PRIOR PERMISSION OF THE ENGINEER.
- WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL LIGHTING TO ALLOW FOR PROPER CONSTITUTION METHODS AND INSPECTIONS. LIGHT SHALL CONSIST OF MOVABLE POLE MOUNTED FLODDLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL BE ALLOWED ONLY IN ADDITION TO OTHER LIGHTS MENTIONED ABOVE. LIGHTING SHALL BE AS APPROVED BY THE ENGINEER AND SHALL NOT BE USED IF THEY AFFECT FLIGHT SAFETY. CONTRACTOR'S WORK HOURS SHALL BE IN ACCORDANCE WITH LOCAL ORDINANCES.
- THE CONTRACTOR SHALL PROVIDE PORTABLE FLOOD LIGHTING FOR NIGHTTIME CONSTRUCTION. SUFFICIENT UNITS SHALL BE PROVIDED SO THAT WORK AREAS ARE ILLUMINATED TO A LEVEL OF FIVE HORIZONTAL FOOT CANDLES. THE LIGHTING LEVELS SHALL BE CALCULATED AND MEASURED IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE ILLUMINATION ENGINEERING SOCIETY. LIGHTS SHALL BE POSITIONED SO AS NOT TO INTERFERE WITH AIRPORT OPERATIONS.
- THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIME ACTIVE AIRFIELD PAVEMENTS ARE UTILIZED AS HAUL ROADS BY THE CONTRACTOR, MATERIAL TO THE PACEMENT SHALL BE CONTINUALLY REMOVED WITH SAID SWEEPER, THIS SWEEPING PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. TIMES. WHEN ERIAL TRACKED C ВES
- OF OFF AIRPORT PROPERTY, UNLESS NOTED
- MATERIALS REMOVED FROM THE PROJECT WILL BE DISPOSED OTHERWISE.
- PAYMENT FOR TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO BARRICADES, SIGNING, RUNWAY CLOSED MARKERS, AIR OPERATIONS AREA (AO.A.) LATHE AND RIBBON, ETC. SHALL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. BARRICADES AT 10-FOOT CENTERS WITH ONE ORANGE FLAG (24" × 24") BETWEEN EACH SET OF BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, BARRICADES SHALL BE WEIGHTED TO PREVENT BLOWING OVER, BARRICADES SHALL HAVE A FLASHING RED LIGHT AND CONVENCIBL TO THE AO.A. BY CONTRACTOR'S WORKERS, EQUIPMENT OR MATERIAL. SIGNS SHALL BE PLACED AT EACH TAXIMAY/RUNWAY CLOSURE LOCATION AND SHALL BE ATTACHED TO THE BARRICADES DE LOCATION SHALL BE CONTION AND SHALL BE ATTACHED TO THE BARRICADES. EACH BARRICADE LOCATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. IN COMJUNCTION WITH DOT TYPE II BARRICADES, THE CONTRACTOR SHALL SUPPLY AND USE AS DIRECTED BY THE AIRPORT, REFLECTIVE LOW PROFILE BARREL TYPE BARRICADES.
- CONTRACTOR SHALL CONTACT THE AIRPORT MANAGER THROUGH THE RESIDENT ENGINEER TEN (10) SKING DAYS IN ADVANCE OF THE START OF CONSTRUCTION SO THAT THE APPROPRIATE NOTAMS MAY

12.

- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED DURING NON WORKING HOURS. THE CONTRACTOR SHALL PROVIDE A SIGN AT THE ACCESS GATE SAYING "ALITHORIZED PERSONNEL ONLY". THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE UPON LEAVING THE SITE. THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGES TO THE ACCESS ROAD, ACCESS GATE OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE RESDONSIBILITY OF THE CONTRACTOR.
- WILL BE REQUIRED TO PUT AIRPORT FLAGS AND HAVE BEACON LIGHTS ON ALL EQUIPMENT DURING CONSTRUCTION. SEE FLAG DETAIL, THIS SHEET.
- DURING ADVERSE WEATHER, THE CONTRACTOR SHALL ADDITIONAL COST TO THE CONTRACT. NO EXTENSION DUE TO LACK OF ADEQUATE ACCESS TO THE WORK. IN THE CASE OF AN EMERGENCY, CONTRACTOR SHALL NOTIFY AIRPORT MANAGER ENGINEER IMMEDIATELY. MAKE PROVISIONS FOR ACCESS TO THE WORK OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS

AND

THE RESIDENT

15.

- THE TALLEST PIECE OF CONSTRUCTION EQUIPMENT IS ANTICIPATED WHICH HAS A MAXIMUM HEIGHT OF $25\,$ FEET IN A DUMP POSITION. 7 뮴 ₹
- IF RUNWAY NUMERALS ARE PRESENT DURING CONSTRUCTION RUNWAY MARKER OVER NUMERALS AS DETAILED, OTHERWISE ENDS OF RUNWAY AS DETAILED. CONTRACTOR SHALL PLACE CLOSED RUNWAY CLOSED MARKER IN TURF

34.

33.

WORK WITH THE AIRPORT IS MANDATORY SO AS CONSTRUCTION TO MINIMIZE I

20.

APPROXIMATE LOCATION OF HAUL ROUTES ON THE AIRPORT SITE ARE SHOWN ON THE GENERAL PROJECT LAYOUT AND THE PHASING PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE ROADS USED AS HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THER ORGINAL CONDITION UPON COMPLETION OF BINKE USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES SHALL BE JOINTY INSPECTED AND DETERMINED BY THE CONTRACTOR AND THE ENGINEER FENCING, DRAIMAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER RICCEL WORK, ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.

- MOBILIZATION/EQUIPMENT STORAGE AREA WILL BE MADE AVAILABLE FOR CONTRACTOR'S MOBILIZATION AND STORAGE AS SHOWN ON THE PLANS. THIS AREA SHALL BE RESTORED TO THE ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT AT THE CONTRACTOR'S EXPENSE.
- 22. LOCATION OF KNOWN EXISTING AIRPORT UNDERGROUND CABLES ARE SHOWN ON THE PLANS AND MUST BE EXERTED BY THE CONTRACTOR. REPAIR OF DAMAGED CABLE MUST BE STARTED IMMEDIATELY AND CONTINUED UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, OR AS DIRECTED BY THE OWNER OF THE CABLE OR FACILITY, AND SHALL BE AT THE CONTRACTOR'S EXPENSE. IF FAA CABLES ARE DAMAGED, REPAIRS SHALL BE DONE FROM PREVIOUS EXISTING TERMINATION POINT IN ACCORDANCE WITH FAA REQUIREMENTS AND IN THE PRESENCE OF A FAA REPRESENTATIVE. THE OWNER MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.
- COORDINATION MEETINGS THE CONTRACTOR SHALL CONDUCT WEEKLY COORDINATION MEETINGS TO DISCUSS WORK AREAS AND SCHEDULING, ETC. WITH THE ENGINEER, AIRPORT OPERATIONS, FAA, AND OTHER APPROPRIATE OFFICIALS, MINUTES FROM THE WEEKLY MEETINGS SHALL BE PREPARED BY THE CONTRACTOR, FURNISHED TO ALL ATTENDEES PRIOR TO THE SUBSECUENT MEETING, AND KEPT ON FILE AT THE FIELD OFFICE. THE COORDINATION MEETING COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE THE PHONE NUMBERS OF THREE PERSONNEL, INCLUDING THE PROJECT SUPERINTENDENT, WHO MAY BE CONTACTED IN AN EMERGENCY. PERSONNEL SHALL BE ON CALL 24 HOURS PER DAY FOR MAINTAINING AIRPORT HAZARD LIGHTING AND BARRICADES. ₽
- DRAINAGE MODIFICATIONS SHALL BE SEQUENCED TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES ADDITIONAL COST TO THE CONTRACT.
- VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN 72° FROM ACTIVE TAXIWAYS ACTIVE RUNWAYS UNLESS OTHERWISE APPROVED BY THE AIRPORT MANAGER.
- CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A MANNER AS NOT TO VIOLATE FEDERAL AVIATION ADMINISTRATION PART 77 IMAGINARY SURFACES OR RUNWAY AND TAXIWAY SAFETY AREAS.

27. 26. 25.

- 28. ALL EXISTING TAXIMAY AND RUNWAY AIRPEID LIGHTING CIRCUITS, FAR CABLES AND OTHER ELECTRICAL CABLES SHALL REMAIN IN SERVICE AT ALL TIMES. ALL EXISTING LIGHTING AND VAULT EQUIPMENT SHALL REMAIN IN SERVICE UNTIL PROPOSED IMPROVEMENTS ARE INSTALLED AND OPERATIONAL, UNLESS OTHERWISE APPROVED BY THE ENGINEER. ANY CABLES DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPEARED AT HIS EXPENSE. ANY NECESSARY TEMPORARY JUMPER CABLES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 29. COORDINATION BY THE CONTRACTOR WITH THE EXISTING UTILITIES SHALL BE COMPLETED BEFORE CONSTRUCTION IS STARTED. CONTRACTOR IS REFERRED TO SECTION 50–17 OF THE SPECIAL PROVISIONS FOR SPECIFIC REQUIREMENTS. THE LOCATION OF UNDERGROUND UTILITIES AS UNDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER OR THE DESIGN ENGINEER ASSUME ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GLARARANTEE. EFIHER EXPRESSED OR IMPLIED THAT THE LOCATIONS, SIZE AND TYPE MATERIAL OF EXISTING UNDERGROUND UTILITIES AS UNDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION. 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 COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANCEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY THE UTILITY COMPANY, THE RESIDENT ENGINEER AND THE ARRORT MANAGER, ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPONSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER, ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPONSE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER. 29.
- 30. ALL AIRFIELD LIGHTING AND LIGHTING GUIDANCE SYSTEMS (NAVAIDS) LOCATED WITHIN AND IMMEDIATELY ADJACENT TO THE CONTRACTORS WORK ZONE SHALL BE CHECKED FOR OPERATIONAL CONDITION PRIOR TO THE DEPARTURE FROM THE AIRPORT WITH THE AIRPORT MANAGER. ANY DEFECIENCIES IN THESE SYSTEMS DUE TO THE KOTS OF CONTRACTOR OR HIS SUBCONTRACTORS, SUPPLIERS OR CONSULTANTS SHALL BE REPAIRED IMMEDIATELY.
- ORANGE CONES SHALL BE PLACED AT 25' CENTERS ALONG THE PAVEMENT EDGE DURING CONCRETE POURING OPERATIONS OF THE CLOSURE LANES TO PREVENT VEHICLES FROM ENTERING PLASTIC CONCRETE. IN THE EVENT A VEHICLE ENTERS THE CONCRETE BEFORE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI HAS BEEN OBTAINED, SAID PAVEMENT SHALL BE REMOVED AND REPLACED , THE CONTRACTOR'S EXPENSE.

31.

CONTRACTOR AIR (CROSSING OPERATIONS RUNWAY AND TAXIWAY AREA (A.O.A.)

- 32. ANTIME THE CONTRACTOR IS REQUIRED TO UTILIZE OR CROSS ACTIVE AIRFIELD PAVEMENTS FOR ACCESS TO AND FROM THE WORK ZONE, A FULL TIME CROSSING GUARD IN RADIO CONTACT WITH THE CONTROL TOWER SHALL BE FURNISHED BY THE CONTRACTOR FOR MOVEMENTS OF VEHICLES OR EQUIPMENT TO AND FROM THE WORK ZONE. THE RADIO OPERATIOR SHALL BE FAMILIAR WITH AIRPORT GROUND CONTROL PROCEDURES MUD DEMONSTRATE KNOWLEDGE OF SAME TO THE AIRPORT. THE AIRPORT RESERVES THE ROST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF MUNICIPAL FINES (\$500 PER OCCURENCE) DUE TO AIRFIELD INCURSIONS BY HIS EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, CONSULTANTS AND/OR AGENTS.
- ANY PAVEMENT DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER AT NO ADDITIONAL COST TO TH PAVEMENT SHALL BE CONTINUALLY SWEPT TO PROVIDE DEBRIS FREE SURFACE DURING ALL HAUL I OPERATIONS. THIS COST SHALL NOT BE PAID SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL CONTRACT. Y HIM TO THE O THE OWNER. AUL ROAD NTAL TO THE
- WORK WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED A BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO A EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT MANAGER TEN (10) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS. ₹ ₽ 8

NOTE — ALL PHASES
ALL EXISTING TAXIMAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER ELECTRICAL CABLES SHALL REMAIN IN SERVICE UNTIL REPLACED AS ACCEPTABLE TO THE F. ENGINEER. ALL TEMPORARY CABLING AND SPLICING NECESSARY TO KEEP THE CIRCUITS IN SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.

AIRCRAFT APPROACH CATEGORY: DESIGN AIRPORT GROUP: III

O

GROUND CONTROL FREQUENCY: 121.7
AIR CONTROL FREQUENCY: 119.9
MAXIMUM ANTICIPATED HEIGHT
OF CONSTRUCTION EQUIPMENT: 25'

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FILE: tay—seqnotes.dwg
LAYOUT: Loyout1
UPDATE BY: miketz
SURVEY BOOK #
DATE: Fri 4/1/11 9:00am
XREF DWG: tb.dwg
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CONTRACTOR SHALL PLAN AND PERFORM HIS WORK SO AS NOT TO INTERFERE OR HINDER THE PROGRESS, WORK OR HAUL ROAD ACCESS OF OTHER CONTRACTORS (SEE SPECIAL PROVISIONS SECTION 30-05). THE PRIME CONTRACTOR MILL BE RESPONSIBLE TO COORDINATE CONSTRUCTION ACTIVITIES AND ACCESS BETWEEN ALL ON-SITE CONTRACTORS SUBCONTRACTORS. IT IS ANTICIPATED THE FOLLOWING PROJECTS MY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT. NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED FOR ANY EFFORTS TO CORDINATE AND ACCESS THE TAXWAY SITE DUE TO ADJACENT BUILDING CONSTRUCTION

IN THE EVENT THE CONTRACTOR PROPOSES TO UTILIZE AN ON-SITE CONCRETE BATCH PLANT, LOCATION TO BE CONCRUNATED WITH PRESIDENT ENGINEER AND ACTING AIRPORT MANAGER TO ALLOW FOR APPROPRIATE AIRSPACE CLEARANCE. THE CONTRACTOR WILL BE RESPONSIBLE TO SUBMIT FAX FORM 7460 FOR MIRSPACE APPROVAL. THE RESIDENT ENGINEER WILL PROVIDE BASE AIRPORT

INFORMATION FOR THE CONTRACTOR'S USE.

POINT "A" CLOSEST CONSTRUCTION
POINT TO RUWWAY 6/24
ELEVATION: 640.
LATITUDE: 42'06'46.87" (NAD27)
LONGITUDE: 87'53'57.43" (NAD27)

NUMBER

DATE

REVISIONS

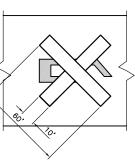
POINT "B" CLOSEST CONSTRUCTION POINT TO RUNWAY 12/30 ENGATION: 635.05 (NAD27) LONGITUDE: 87'53'33.79" (NAD27)

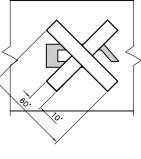
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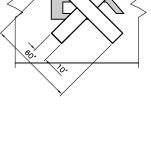
R IS EQUAL TO 2" L SCALE (34X22).

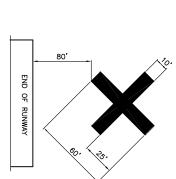
- ENTEND TAXIMAY L AND NE QUAD SITEWORK SOVEREIGN DEVELOPMENT IN SE QUADRANT BRIGADOON DEVELOPMENT IN EAST QUADRANT CONSTRUCTION OF T—HANGAR BUILDINGS IN N QUADRANT CONSTRUCT SOUTHEAST QUADRANT APRON

CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG NOT TO SCALE









OFF PAVEMENT CLOSED RUNWAY MARKER DETAIL NO SCALE

CLOSED RUNWAY MARKER DETAIL
ON PAVEMENT - NO SCALE

AIL NOTES

- CLOSED RUNWAY MARKERS SHALL BE YELLOW.
- В ENGINEER.
- MARKERS AS SHOWN ON THE PLANS OR ΑS
- AND REMOVING MARKERS SHALL EXISTING RUNWAY NUMERALS AS SHOWN.
- COST OF FURNISHING, INSTALLING, MAINTAINING CONSIDERED INCIDENTAL TO THE CONTRACT. 먪

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CONSULTING ENGINEERS

CHICAGO EXECUTIVE

DURING VARIOUS PHASES OF WORK, IT WILL BE N TRAFFIC ON A TEMPORARY BASIS AS COORDINATED PERSONNEL. THE CONTRACTOR SHALL MARK THE PERSONNEL THE CONTRACTOR SHALL MARK THE VELLOW CROSS AT THE LOCATION AND DIMENSION CROSSES ARE SHOWN ON THE RESPECTIVE RUNNED OF WORK AS DELINEATED IN THE SUGGESTED SEC BE NECESSARY TO CLOSE RUNWAYS TO AIR NATED WITH THE AIRPORT AND TOWER THE RUNWAYS TO BE CLOSED BY PLACING A SIGNS DETAILED ON THIS SHEET. THE SUNWAYS ACCORDING TO THE VARIOUS PHASES SEQUENCE OF CONSTRUCTION.

ON CONSTRUCTION WITHIN AIRPORT OPERATIONS AREA (A.O.A.)

CMT

THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND APPORT MANAGER TEN (10) WORKING DAYS IN ADWANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS, WORK SHALL BE EXPEDITED IN THESE AREAS AND AT THE END OF EACH WORKING DAY THESE AREAS SHALL BE SMOOTHLY GRADED TO ALLOW THE RUNWAYS TO BE REOPENED. AT LEAST ONE OF THE RUNWAYS SHALL REMAIN IN OPERATION AT ALL THES, IF DECRESSARY STELL PARTS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR TO COVER ANY OPEN TRENCHES OR EXCANATION WITHIN THE A.O.A. IF DURING RUNWAY CLOSURE AN MEN AND EQUIPMENT.

CHECKED BY: DRAWN BY:

돗 DLP

돗 MLK

SIGN BY:

PPROVED BY:

TAXIWAYS:

ANY WORK WITHIN 72' OF THE TAXIWAY CENTERLINE
WILL BE ALLOWED UP TO THE EDGE OF THE TAXIWAY

SOFTERMINED BY THE ARPORT MANAGER. WORK W
OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND I
WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR
EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SH
THE CONTRACTOR SHALL NOTIFY THE RESIDENT EN
IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN ADVANCE OF ANY PLANNED CONSTRUCTION WITH INE WILL REQUIRE A TAXIWAY CLOSURE. CONSTRUCTION WAY PAKEMENTS WITHOUT CLOSURE ON A LIMITED BASIS IX WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP ND BARRICADED. NO MATERIAL SHALL BE STOCKPILED OR THE CONTRACTOR TO TEMPORABILY RELOCATE 'S SHALL DO SO AT NO EXTRA COST TO THE PROJECT. ENGINEER AND AIRPORT MANAGER FIVE (5) WORKING DAYS WITHIN THESE LIMITS.

SHEET

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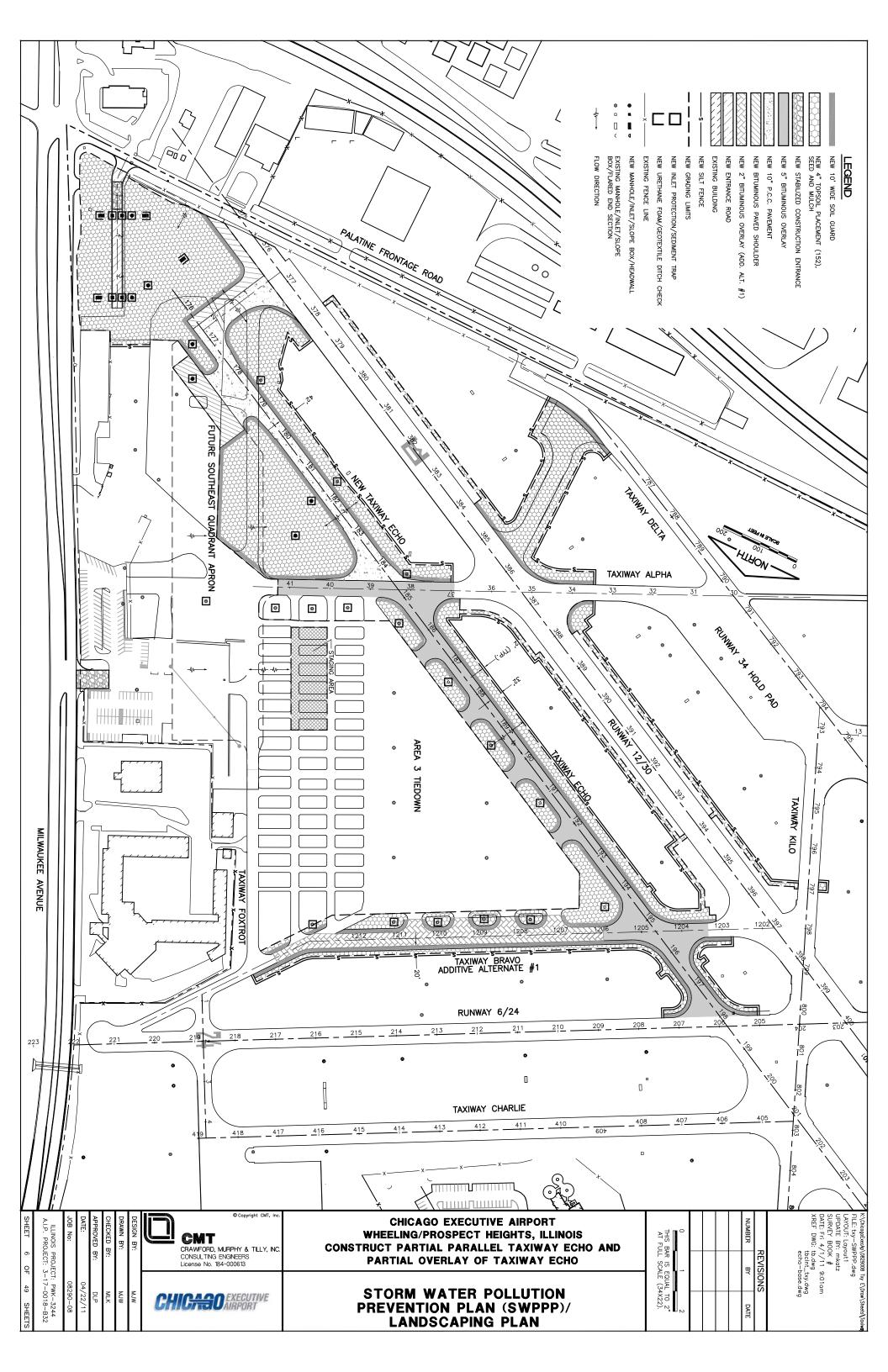
ILLINOIS PROJECT: PWK-3244
A.I.P. PROJECT: 3-17-0018-B32

No:

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

SEQUENCE OF CONSTRUCTION

GENERAL NOTES AND DETAILS



STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROLECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE WITH NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIMEFRAME SPECIFIED HET THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING, WHICH WILL BE THE CONTRACTOR'S COST. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE PLANS.

THIS PROJECT CONSISTS OF CONSTRUCTING TAXIWAY ECHO AND OVERLAYING VARIOUS TAXIWAY PAVEMENT AT THE CHICAGO EXECUTIVE AIRPORT. THE PROJECT INCLUDES EARTH EXCAVATION, EMBANKMENT, STORM SEWERS, MANHOLES, INLETS VARIOUS PAVEMENT ITEMS, ELECTRICAL WORK AND OTHER MISCELLANEOUS CONSTRUCTION WORK. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

- THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:
- 2. STORM SEWERS, MANHOLES, INLETS AND CULVERT INSTALLATION.

PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL. PERIMETER SILT FENCE, TEMPORARY DITCH CHECKS AND INLET PROTECTION.

- EXCAVATION AND EMBANKMENT WILL BE COMPLETED WITHIN THE PROJECT LIMITS TO GRADE OUT FOR PROPOSED DRAINAGE AND PAVEMENT IMPROVEMENTS. 품

4. PAVEMENT CONSTRUCTION.

- 5. FINAL GRADING, ELECTRICAL INSTALLATION AND OTHER MISCELLANEOUS ITEMS.
- 6. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING, MULCHING AND EROSION CONTROL BLANKET. REMOVAL AND DISPOSAL OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES. BE 16.3 ACRES OF WHICH 16.3 ACRES WILL

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1.NFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORNIGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.

2. PROJECT PLAN DOCUMENTS, SPECIFICATION AND SPECIAL PROVISIONS, AND PLAN DEAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORAFY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

THE CONSTRUCTION SITE DRAINS INTO THE DES PLAINES RIVER THROUGH A STORM SEWER SYSTEM.

EROSION AND SEDIMENT CONTROL:

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

THE DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZATION PRACTICES INCLUBE. TEMPORARY SEEDING, PERMANENT SEEDING, MULCHINI, EROSSION CONTROL BLOCK, PROTECTION OF TREES, PRESERVATION OF NATURAL VEGETATION, AND ALL OTHER APPROPRIATE MEASURES AS DIRECTED BY THE REGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS ENGINEER. AS R SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE DJECT, TEMPORARY DITCH CHECKS, INLET PROTECTION AND PERIMETER SILT FENCE SHALL BE INSTALLED CALLED OUT IN THE PLAN AND DIRECTED BY THE ENGINEER.

DIRECTED BY THE

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. ILR10,

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

EARTH STOCKPILES SHALL BE <u>TEMPORARILY SEEDED, AT THE CONTRACTORS EXPENSE</u>, IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.

THE DOWN STREAM SIDE OF ALL STOCKPILES SHALL BE ENCOMPASSED WITH EROSION CONTROL BARRIER.

AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY ENGINEER:

B.CONSTRUCT DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS. A.PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.

C.BUILD NECESSARY EMBANKMENT AT CULVERT/STORM SEWER LOCATIONS AND THEN PLACE PIPE.

DEXCANATED AREAS AND EMBANKWENT AREAS SHALL BE PERMANENTLY SEEDED OR SODDED IMMEDIATELY AFTER FINAL GRADING: IF NOT, THEY SHALL BE TEMPORARILY SEEDED, AT THE CONTRACTOR'S COST, IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN DAYS. ᆂ

SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS
SHALL BE DISPOSED OF ON SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS
MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR UNCLASSIFIED EXCAVATION AND EROSION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING SOIL CONTAMINATION FROM BUILDING MATERIALS, FERTILIZERS, CHEMICALS, PAVEMENT MARKING, WASTE PILES, FUEL CONTAINMENT, AND ANY OTHER POTENTIAL HAZARDOUS MATERIALS THAT MAY EXIST ONSITE.

ö DEDICATED CONCRETE OR ASPHALT BATCH PLANTS SHALL BE LOCATED ON

SUCH

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED. ARE

ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RE-SEEDED AND/OR SODDED.

MAINTENANCE AFTER CONSTRUCTION:

PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL COMPLETE AND SUBMIT A "NOTICE OF INTENT (NOI)" PROPERLY SIGNED TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

HROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL MANNIAN AND UPDATE AN "AS-BUILT" SET OF STORM MITER POLLUTION PREVENTION PLANS IN THE PROJECT FILES. THE SWPPP SHALL BE UPDATED WITHIN 7-DAYS OF MAY MODIFICATIONS TO THE PLANS. THE SWPPP AND ALL REVISIONS SHALL BE RETAINED FOR THREE YEARS AFTER THAL STABILIZATION OF THE SITE, WHICH SHALL BE DEFINED AS VEGETATION COVER OF AT LEAST 70% OF HISTORIC CONDITIONS, COMPLETION OF 100% OF COMMERCIAL AREA, AND COMPLETION OF 100% OF RESIDENTIAL HOME SITES.

A STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL INSPECTION REPORT (FORM BC 2259) SHALL BE COMPLETED WITH INSPECTION FREQUENCIES AS OUTLINED HEREIN. SWIPP REPORTS SHALL BE RETAINED FOR THREE YEARS AFTER THE DATE OF FINAL STABILIZATION AS DEFINED HEREIN.

ANY VIOLATION OF THE PROVISIONS OF THE PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION XVERED IN THIS PLAN, THE ENGINEER AND/OR CONTRACTOR SHALL COMPLETE AND FILE AN "INCIDENT OF DICOMPLIANCE (ION)" REPORT FOR THE IDENTIFIED VIOLATION. THE FORMS SHALL BE AS PROVIDED BY THE LINGUS ENVIRONMENTAL PROTECTION AGENCY, AND SHALL INCLUDE SPECIFIC INFORMATION ON THE INCIDENT THAT JUSTED NONCOMPLIANCE, ACTIONS THAT WERE TAKEN TO CORRECT THE NONCOMPLIANCE AND TO PREVENT ITS' COCCURRENCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE DINCOMPLIANCE, ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN CORRIGATION OF THE GENERAL PERMIT.

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 \Rightarrow NPDES PER DATE EXPIR DATE ISSUE

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AND

CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS WITHIN STAGING AREA. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN MY FUEL OR POLLUTANT ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

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THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 OR GREATER OR EQUIVALENT SNOWFALL AND DURING WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE RESIDENT ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT THE EROSION AND SEDMENT CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

œ

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED, IS NO LONGER NUCTIONING. THE COST THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL AS DIRECTED BY THE ENGINEER AFTER OF THIS REMOVAL SHALL BE INCLUDED PAY ITEMS. ΣSE

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

COST OF MAINTAINING THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INCLUDED INCLUDED IN THE UNIT BID PRICE FOR THE VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

CONSTRUCTION IS COMPLETE AFTER FINAL ACCEPTANCE BY THE ILLINOIS DIVISION OF AERONAUTICS. MAINTENANCE OF TEMPORARY AND PERMANENT EROSION CONTROL SYSTEMS UP TO THIS DATE WILL REQUIRED BY THE CONTRACTOR. 쯈

DOCUMENTATION:

PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL POST A SIGN OR OTHER NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE. IF THIS IS NOT POSSIBLE, THEN IT MAY BE PERMITED TO POST THIS NOTICE IN A LOCAL PUBLIC BUILDING. THE SIGN OR NOTICE MUST CONTAIN THE FOLLOWING:

1. A COPY OF THE COMPLETED NOTICE OF INTENT (NOI) AS SUBMITTED TO THE IEPA
2. THE LOCATION OF THE SWPPP AND NAME AND 24/7 TELEPHONE NUMBER OF THE CONTACT PERSON.

AFTER PROJECT FINAL ACCEPTANCE, THE CONTRACTOR SHALL COMPLETE AND SUBMIT A "NOTICE OF TERMINATION (NOT)" FORM PROPERLY SIGNED TO THE ILLNOIS ENVIRONMENTAL PROTECTION AGENCY. FORMS FOR THE IEPA SHALL BE MAILED TO THE FOLLOWING ADDRESS"

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SECTION GRAND AVENUE EAST POLLUTION CONTROL, MAIL CODE #15

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SITE

GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL:

ALL TREE PROTECTION, SEDIMENT CONTROL MEASURES, AND PERMANENT AND TEMPORARY STORM WATER PRACTICES SHALL BE IN PLACE PRIOR TO STARTING CONSTRUCTION.

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FILE: dradt1.dwg
UPDATE BY: johse
SURVEY BOOK #
XREF DWG:
XREF DWG:
XREF DWG:
XREF DWG:
DATE: Sun 3/28/04 9:02am

NO WORK SHALL BE PERFORMED IN FLOWING WATER, WORK IN AND NEAR FLOWING WATER SHALL BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOWS AT ALL TIMES. THE USE OF EARTHEN MATERIAL FOR ISOLATION WILL NOT BE ACCEPTABLE.

'n

CONSTRUCTION MATERIALS AND/OR OTHER STOCKPILES SHALL NOT BE LOCATED ON STREAM BANKS NOR THE PATH OF STREAM FLOW.

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- TEMPORARY EROSION CONTROL DEVICES SHALL BE DIRECTED BY THE ENGINEER. CONSTRUCTED AS SHOWN ON THE PLANS OR AS
- PERMANENT SEEDING SHALL BE USED WHENEVER CONTRACTOR PROLONG GRADING OR SHAPING SO AT ONE TIME. POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE THAT THE ENTIRE PROJECT CAN BE PERMANENTLY

SEEDED

NUMBER

MLK ₽

03/31/10

DATE

REVISIONS

- THE CONTRACTOR SHALL INSPECT ADJACENT STREET NECESSARY. ADJACENT STREETS SHALL BE KEPT F ETS DAILY AND CLEAN ADJACENT STREETS WHEN FREE OF SOIL AND DEBRIS.
- SHOULD IT BE NECESSARY TO REMOVE ANY EROSION CONTROL DEVICES FOR CONSTRUCTION REASONS, THE CONTRACTOR SHALL FIRST OBTAIN PERMISSION AND SHALL REPLACE AND/OR REPAIR THE REMOVED DEVICES THE SAME DAY. THE COST OF REMOVING AND REPLACING THE DEVICE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ALL OTHER SOIL EROSION AND SEDIMENT CONTROL RESIDENT ENGINEER, COOK COUNTY, CHICAGO EXEC IEPA SHALL BE IMPLEMENTED IMMEDIATELY UPON N)L DEVICES AND MEASURES DEEMED NECESSARY BY THE CUTIVE AIRPORT, IDOT DIVISION OF AERONAUTICS, AND THE NOTIFICATION OF THE CONTRACTOR.

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R IS EQUAL TO 2" L SCALE (34X22).

- THE CONTRACTOR SHALL PROVIDE LOCATIONS FOR CHOIGNER, PRIOR TO ANY CONCRETE POURS. THESE OF WATER. LOCATIONS SHALL BE APPROVED BY THE ADDITIONALLY THE CONTRACTOR SHALL PROVIDE ADECEDING THOUS. ALL WASTE WATER AND EXCESS OF APPROVED CONCRETE WASHOUT FACILITY. CONCRETE TRUCK WASHOUT, AS APPROVED BY THE EL COCATIONS SHALL NOT BE NEAR ANY STREAM OR BODY EL COCKIEN PRIOR TO ANY CONCRETE POURS. DEQUATE FACILITIES TO WASH OUT PAVING EQUIPMENT AND CONCRETE MATERIALS SHALL BE CONTAINED BY AN
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES TO ENSURE THAT EROSION CONTROL MEASURES ARE CONSISTENT BETWEEN ALL PROJECT PHASES AND ALL SUB-CONTRACTORS.

10.

- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS I SEDIMENT, CONSTRUCTION EQUIPMENT, OR BY HIS DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT I TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY PERSONNEL. THE CONTRACTOR SHALL ASSURE THAT DISPOSED OF IN THE WETLANDS.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM FILTERED BY AN APPROVED MEANS. THE SITE DURING CONSTRUCTION DEWATERING SHALL 照
- SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE—HALF OF THE HEIGHT OF THE DEVICE OR AS RECOMMENDED BY THE MANUFACTURER, WHICHEVER IS LESS.
- ALL EROSION CONTROL MEASURES SHALL BE KEPT THROUGHOUT THE PERIOD OF LAND DISTURBANCE MEASURES ARE OPERATIONAL. OPERATIONAL AND MAINTAINED CONTINUOUSLY UNTIL PERMANENT SOIL EROSION AND SEDIMENT CONTROL
- THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUITDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER, ALL OPEN AREAS THAT ARE TO REMAIN IDLE THOUGHOUT THE WINTER SHALL RECEIVE TEMPORARY REPOSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.
- PERMANENT STABILIZATION SHALL BE COMPLETED ITHIN 7 DAYS FOR AREAS WHERE WORK IS COMPLETED.

ROUTE: CHICAGO EXECUTIVE AIRPORT PROJECT INFORMATION: THIS CERTIFICATION STATEMENT IS A PART OF THE STORM DESCRIBED BELOW IN ACCORDANCE WITH NPDES PERMIT NPROTECTION AGENCY ON SEPTEMBER 29, 2008. MARKED: WATER POLLUTION PREVENTION PLAN FOR THE PROJECT NO. ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL

SECTION: 13 COUNTY: COOK PROJECT CONTRACT CONSTRUCT PARTIAL PARALLEL TAXIWAY ECHO AND PARTIAL OVERLAY OF TAXIWAY ECHO
NUMBER: PWK-3244 NUMBER: 3-17-0018-B32 (PA051)

I CERTIFY UNDER PENALTY OF LAW THAT I POLLUTION DISCHARGE ELIMINATION SYSTEM DISCHARGES ASSOCIATED WITH INDUSTRIAL & CERTIFICATION. STREET ADDRESS: NAME OF FIRM: PRINTED NAME: M (NPDES) PERI ACTIVITY FROM 111 DATE: THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL MIT (ILR10) THAT AUTHORIZES THE STORM WATER THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS

	, In
SIGNATURE: DATE:	t CMT,
PRINTED NAME:TITLE:	ppyright
NAME OF FIRM:	© Co
STREET ADDRESS:	
DITY, STATE, ZIP:	
PHONE NUMBER:	
THE INFORMATION WITHIN THIS BOX SHALL BE COMPLETED BY THE CONTRACTOR AFTER THE AWARD OF THE CONTRACT TO OBTAIN THE REQUIRED NPDES PERMIT FROM IEPA, COMPLETION OF THIS IS A CONTRACT REQUIREMENT.	<u> </u>
RECORD OF SITE DISTURBANCE AND STABILIZATION	
AAJOR GRADING ACTIVITIES: BEGINNING DATE: COMPLETION DATE:	DES
AAJOR GRADING ACTIVITIES: BEGINNING DATE: LOCATION: COMPLETION DATE:	DRA
SITE STABILIZATION: BEGINNING DATE: LOCATION: COMPLETION DATE:	APP
SITE STABILIZATION: BEGINNING DATE: LOCATION: COMPLETION DATE:	DATI
CONSTRUCTION CEASED: BEGINNING DATE: EXPLANATION: COMPLETION DATE:	
THE INFORMATION WITHIN THIS BOX SHALL BE COMPLETED BY THE CONTRACTOR AS CONSTRUCTION PROGRESSES IN MOCORDANCE WITH THE NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES. THIS INFORMATION MAY ALSO BE NOTED DIRECTLY ON THE SWPPP SITE MAP.	Z A
	[

CONSTRUCT PARTIAL PARALLEL TAXIWAY ECHO AND PARTIAL OVERLAY OF TAXIWAY ECHO STORM WATER POLLUTION

CHICAGO EXECUTIVE AIRPORT

WHEELING/PROSPECT HEIGHTS, ILLINOIS

PREVENTION PLAN (SWPPP) NOTES

CRAWFORD, MURPHY & TILLY, INC CONSULTING ENGINEERS

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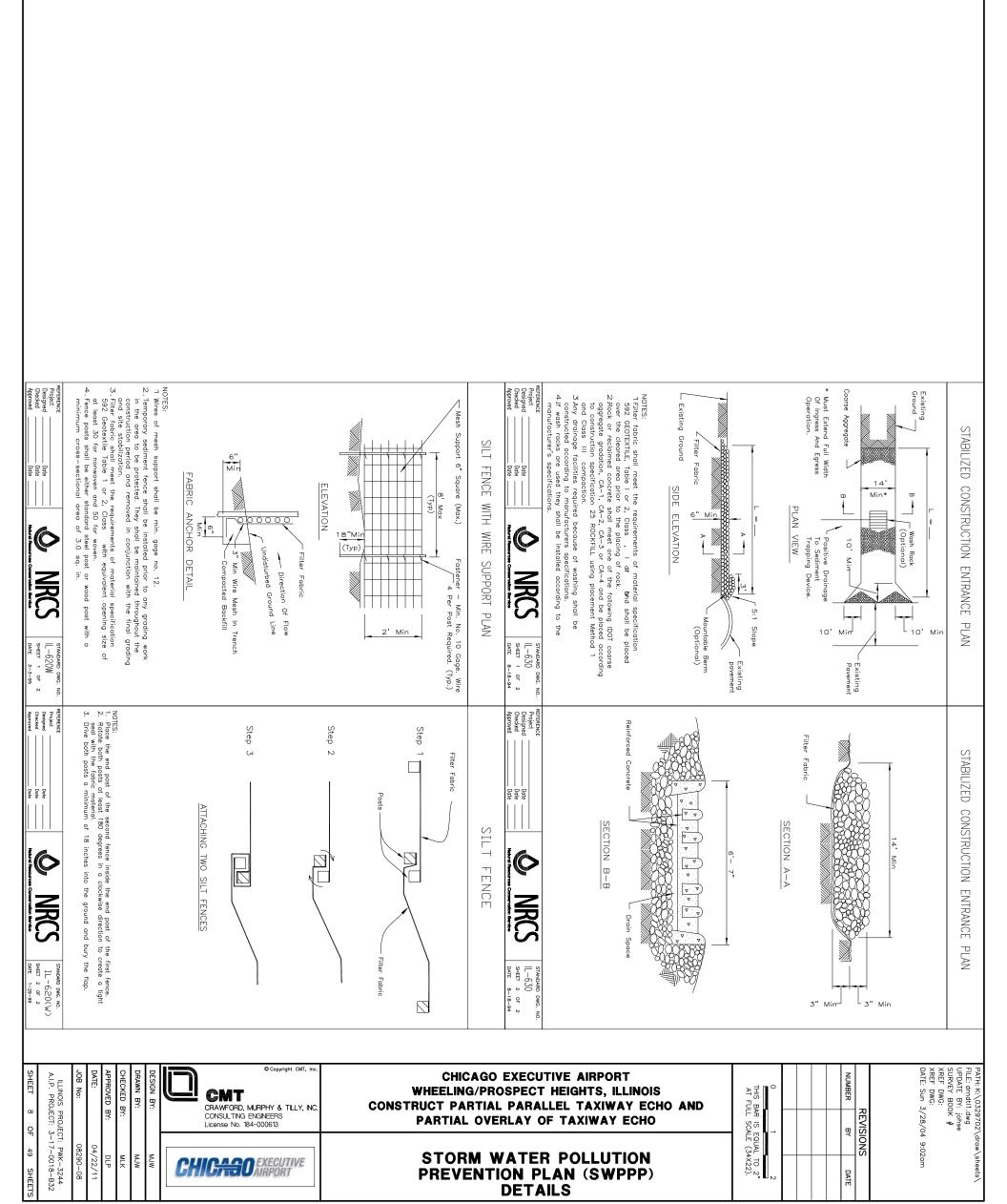
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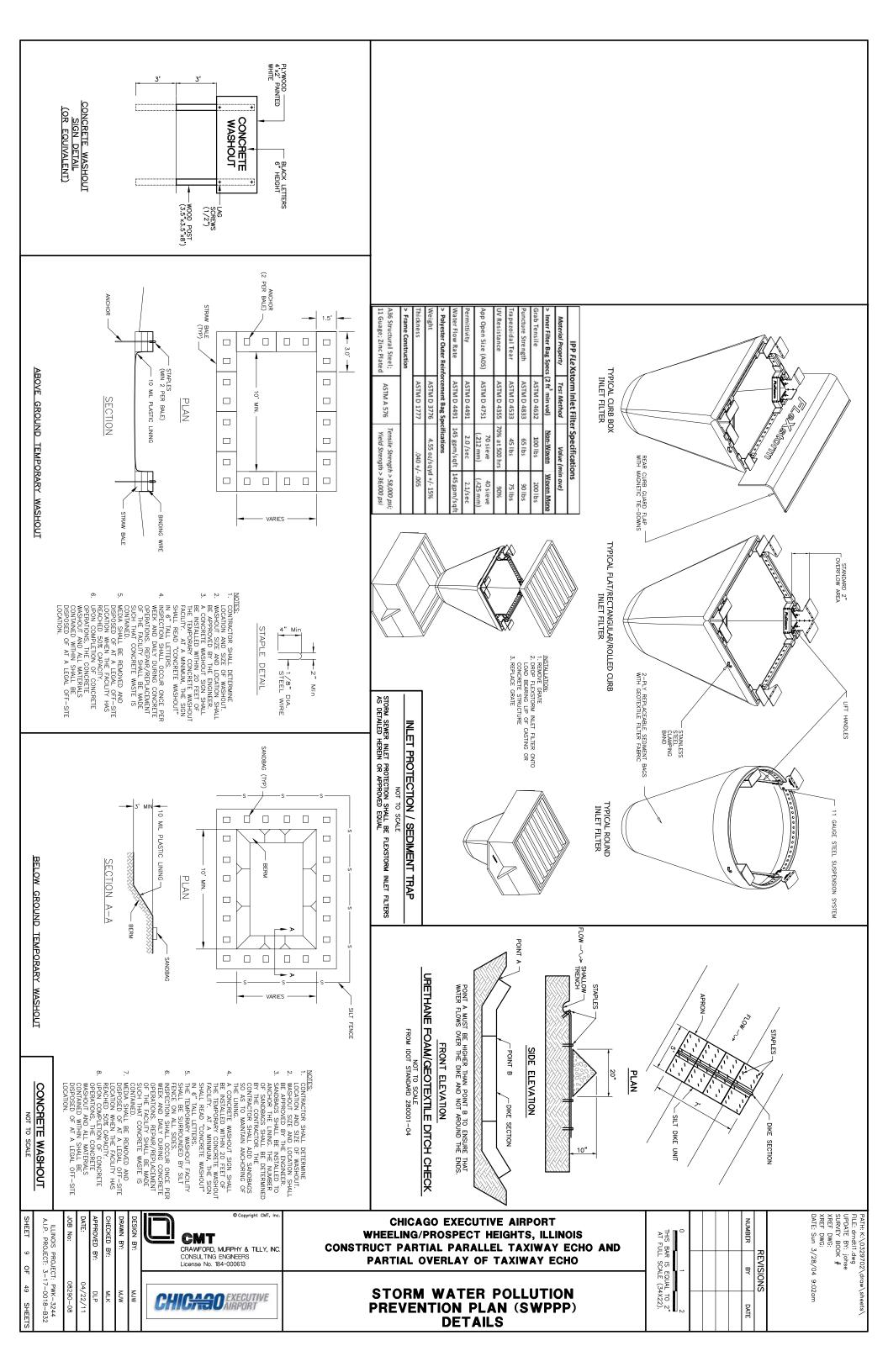
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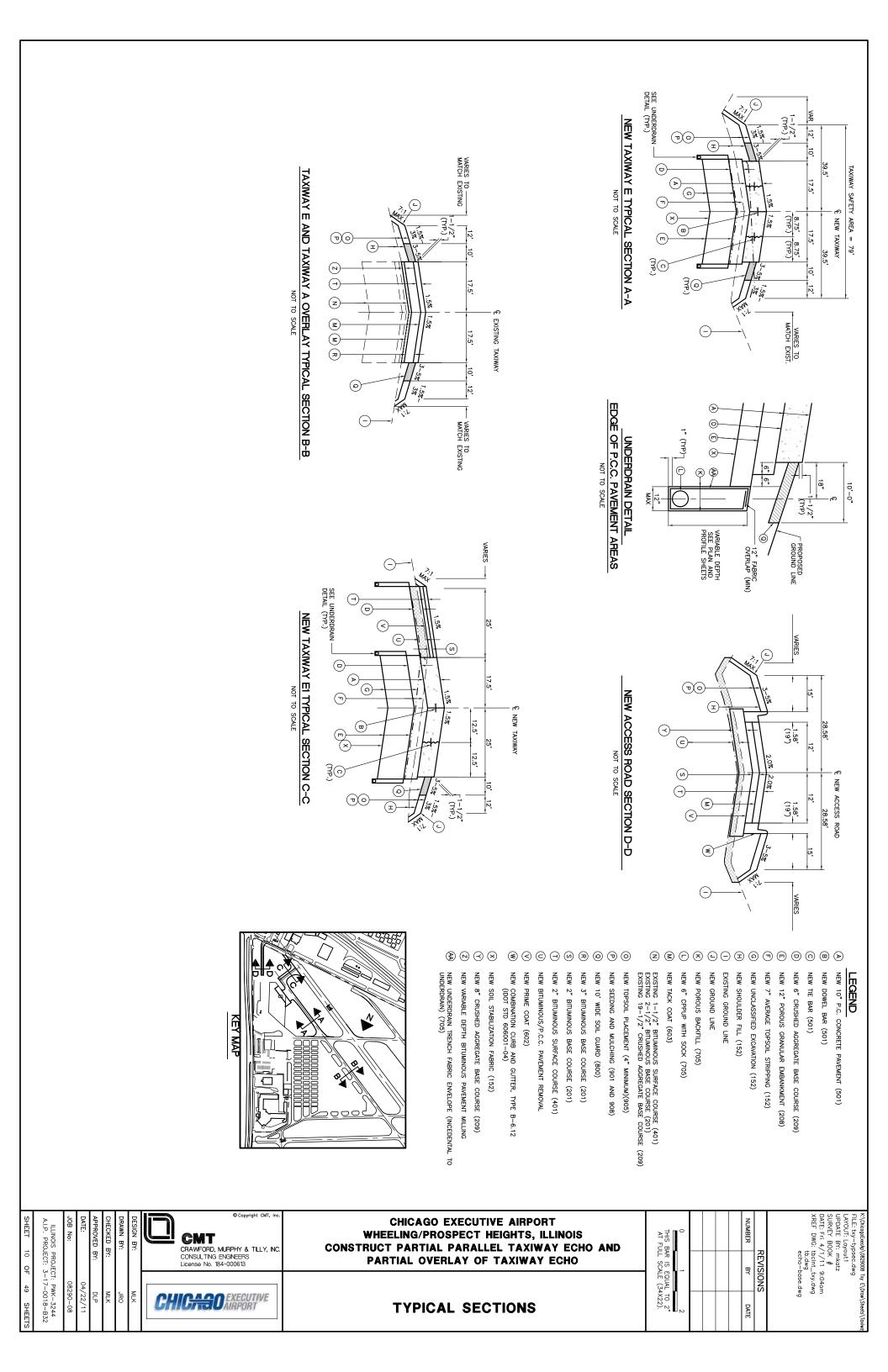
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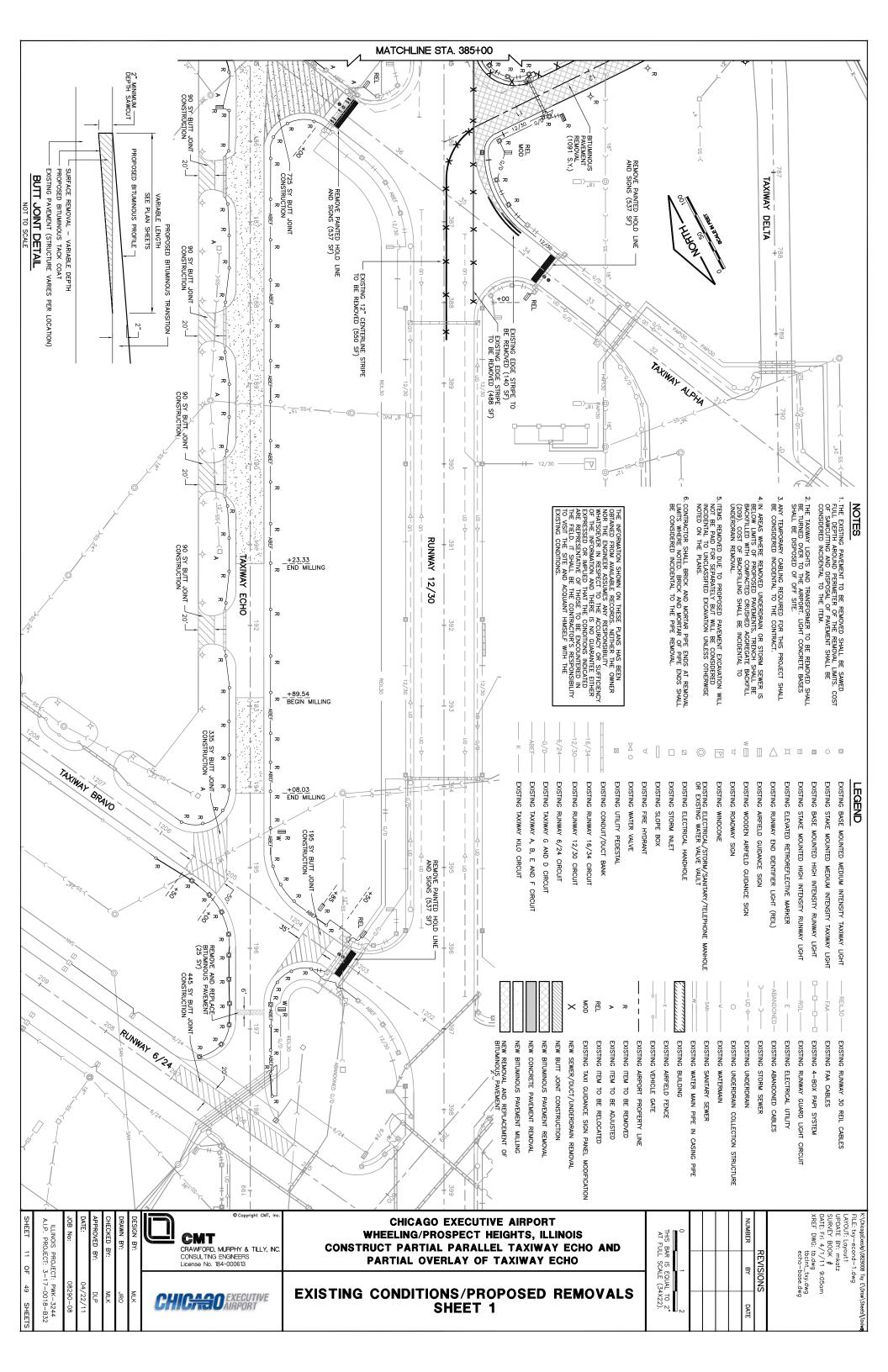
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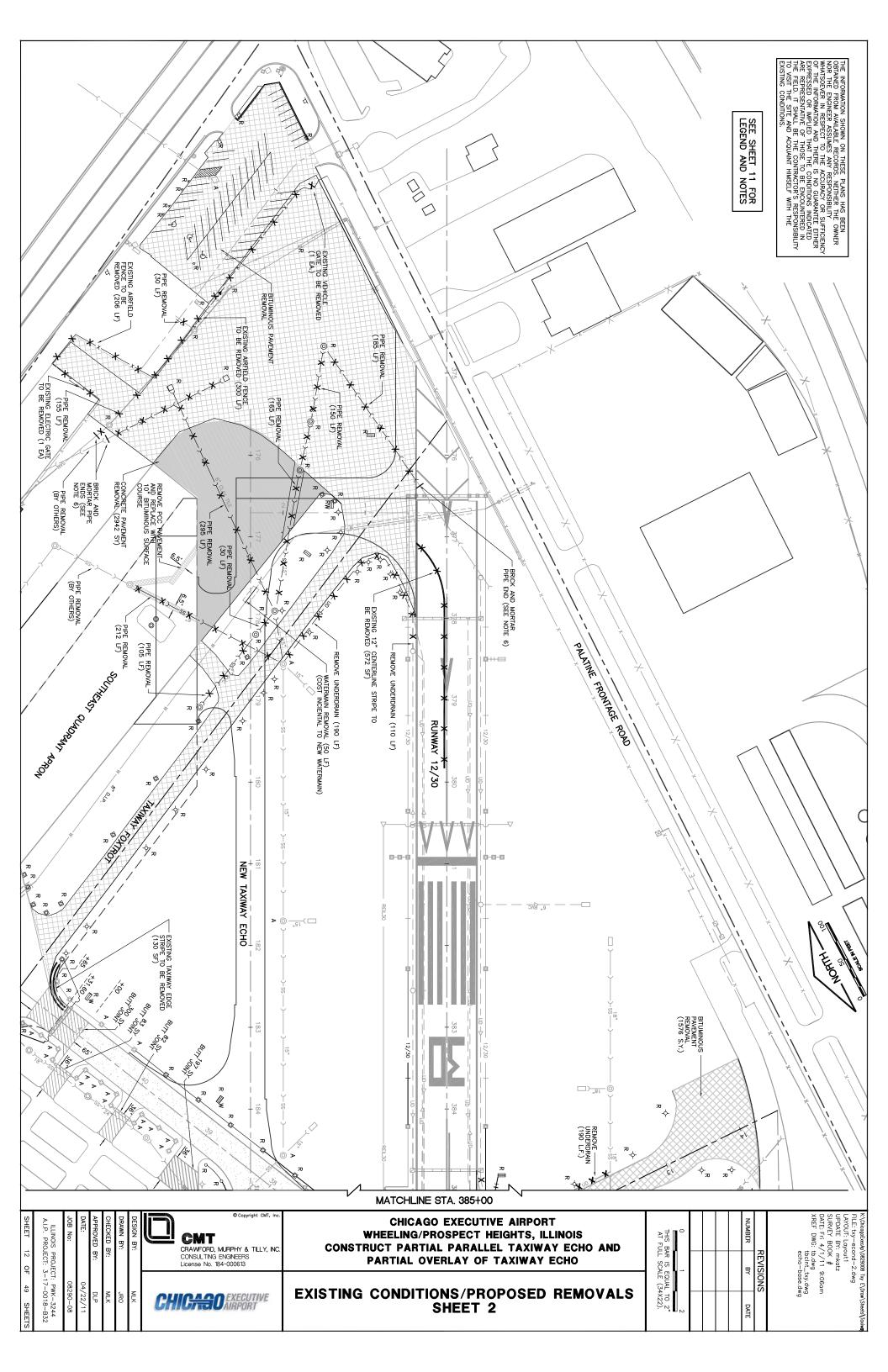
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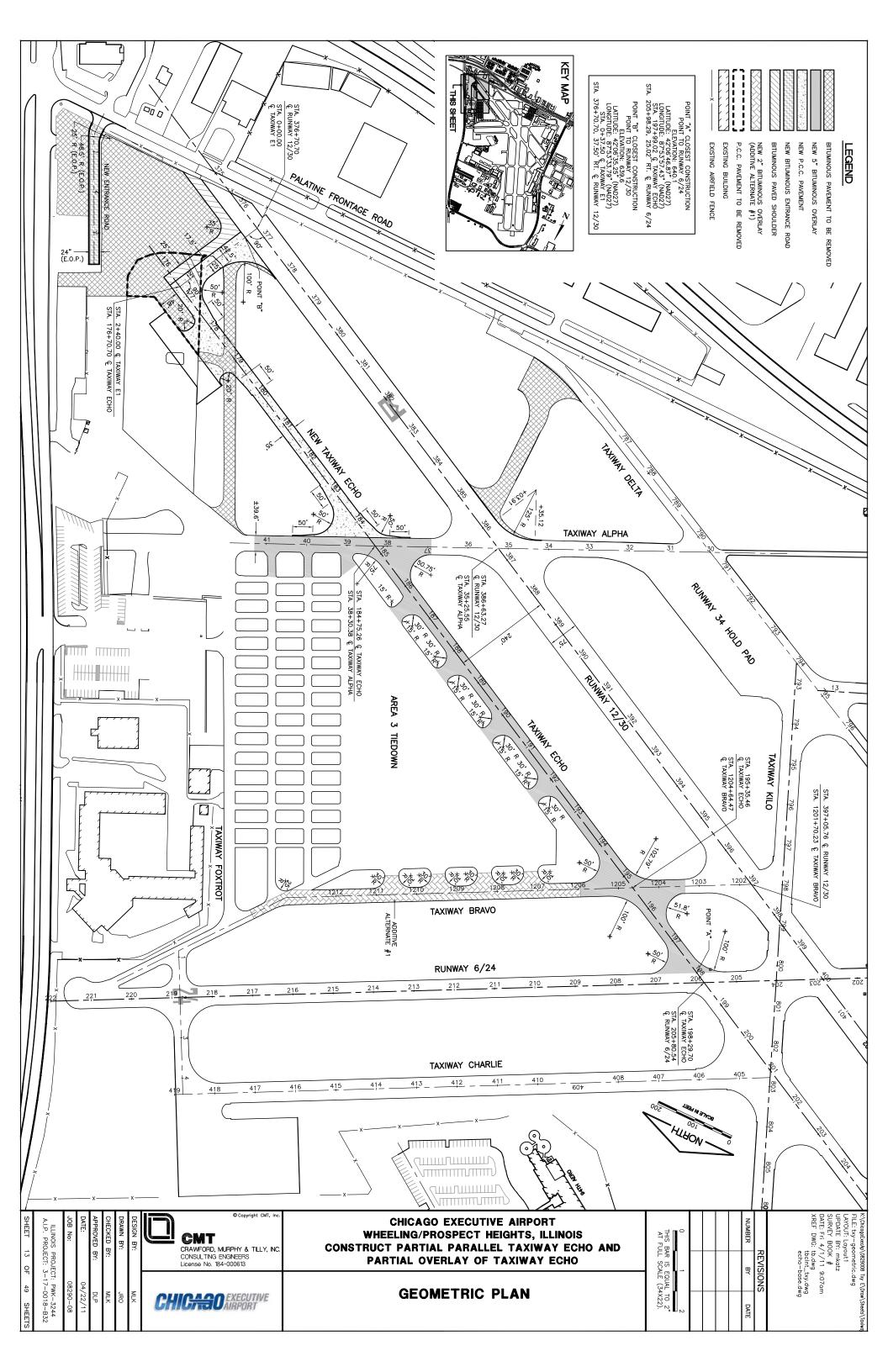


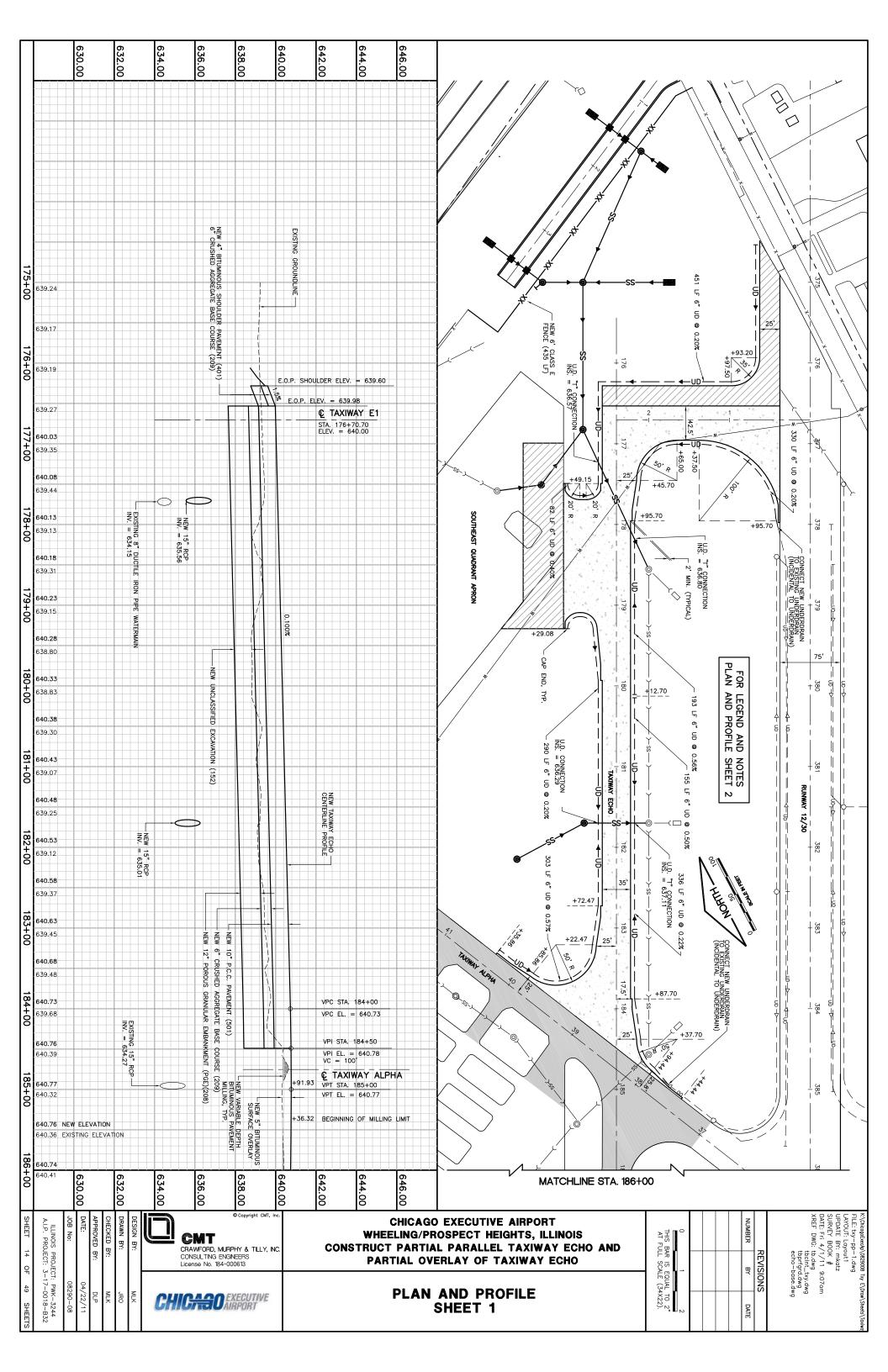


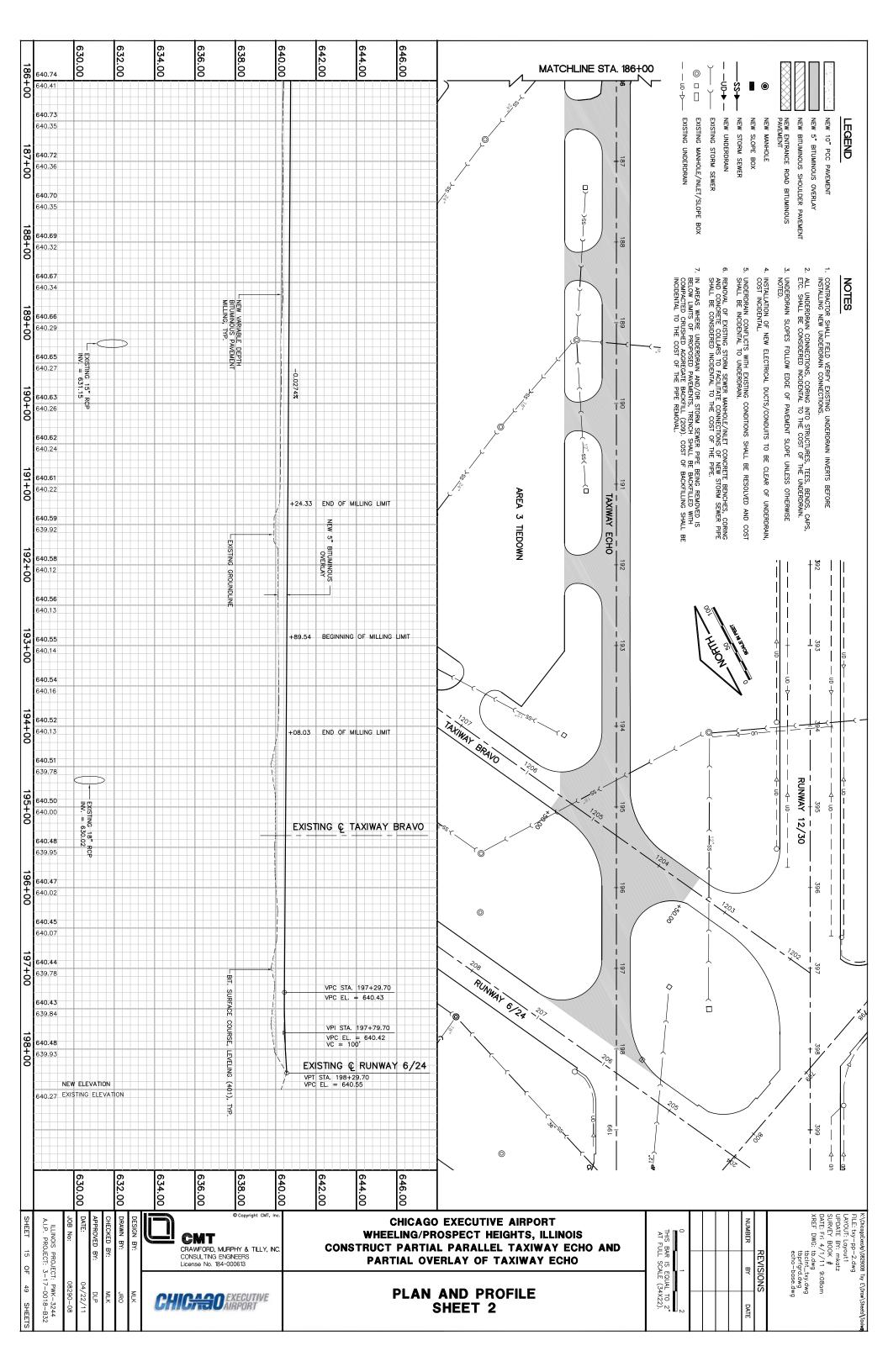


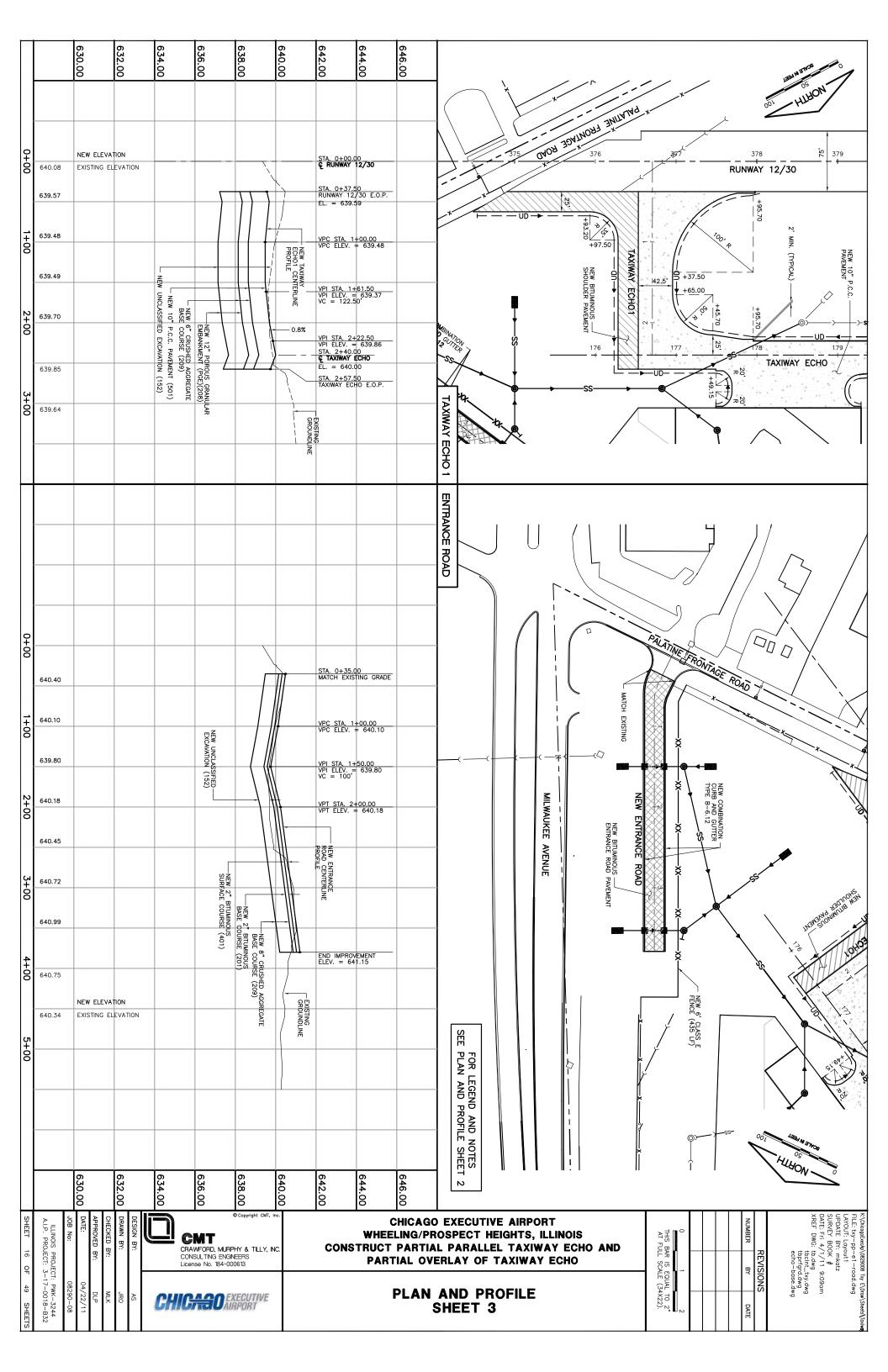


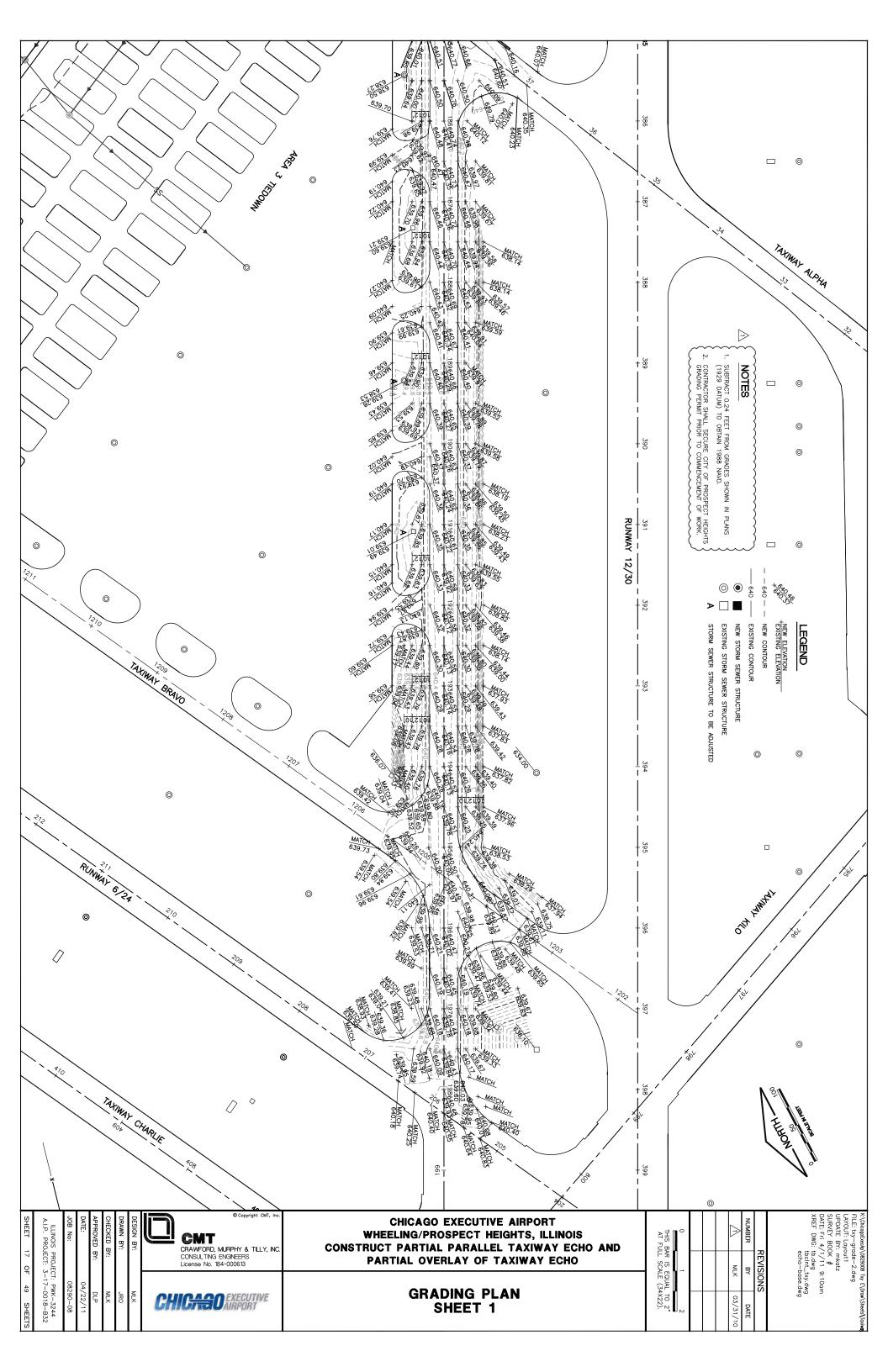


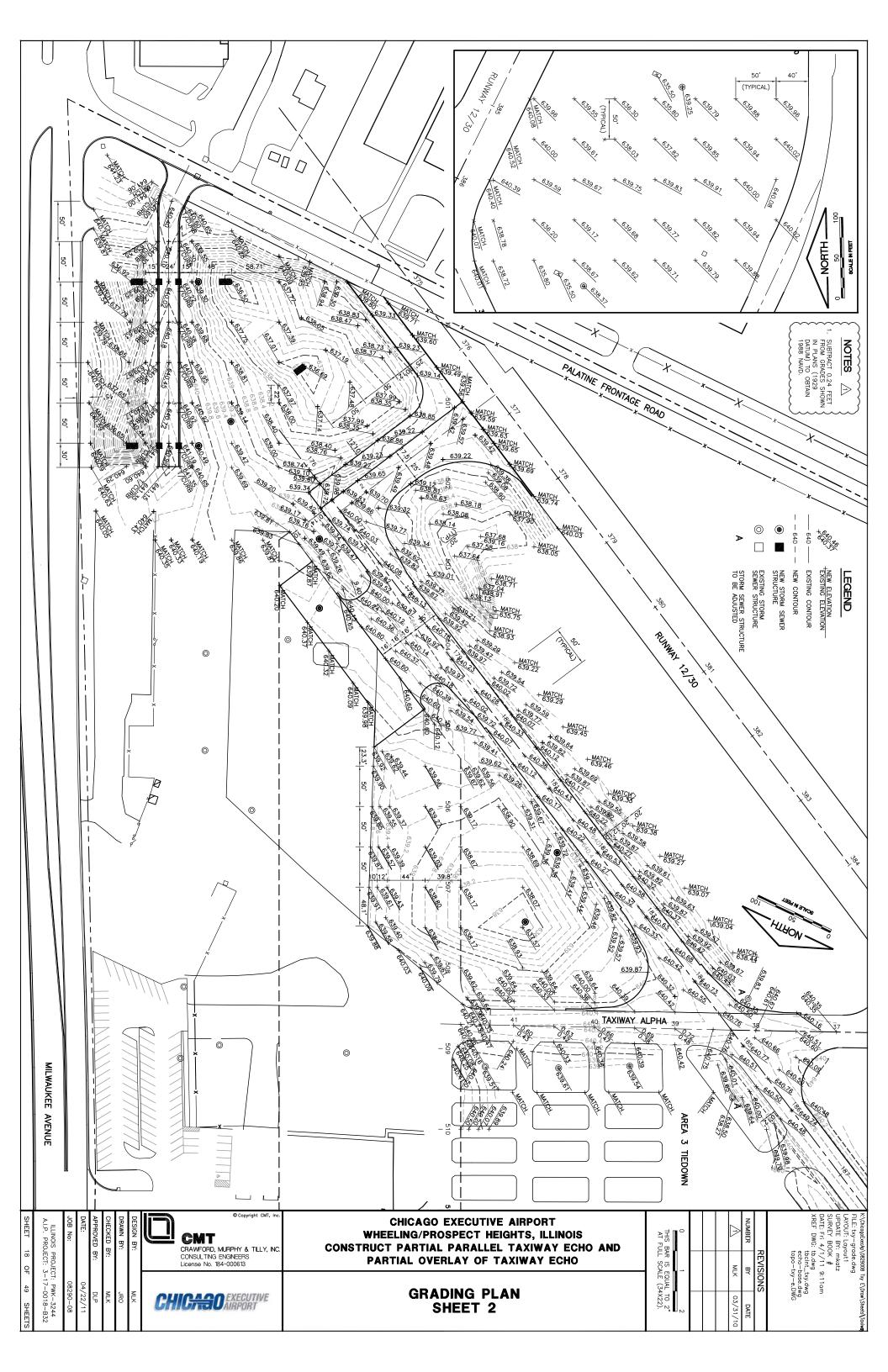


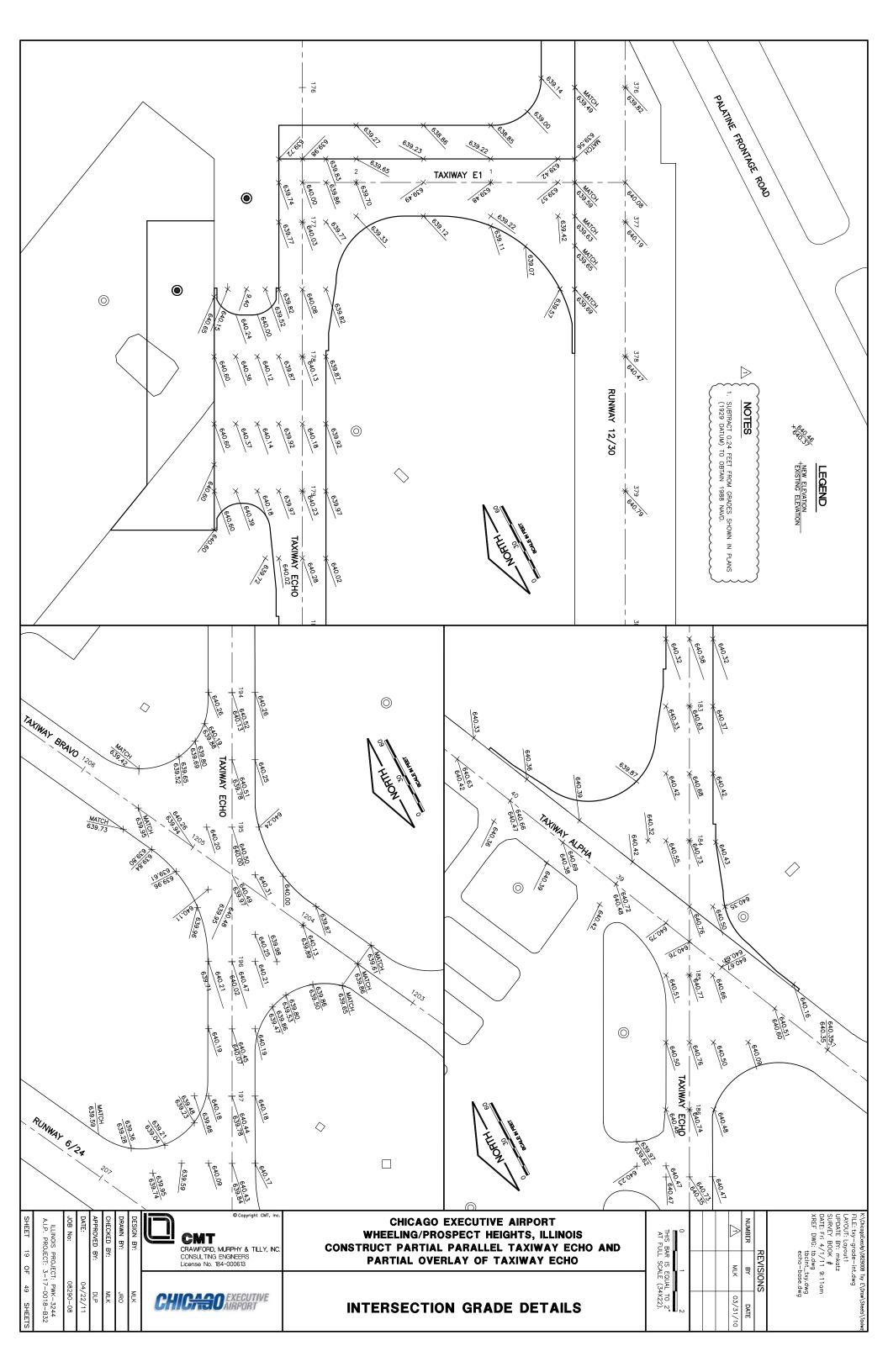


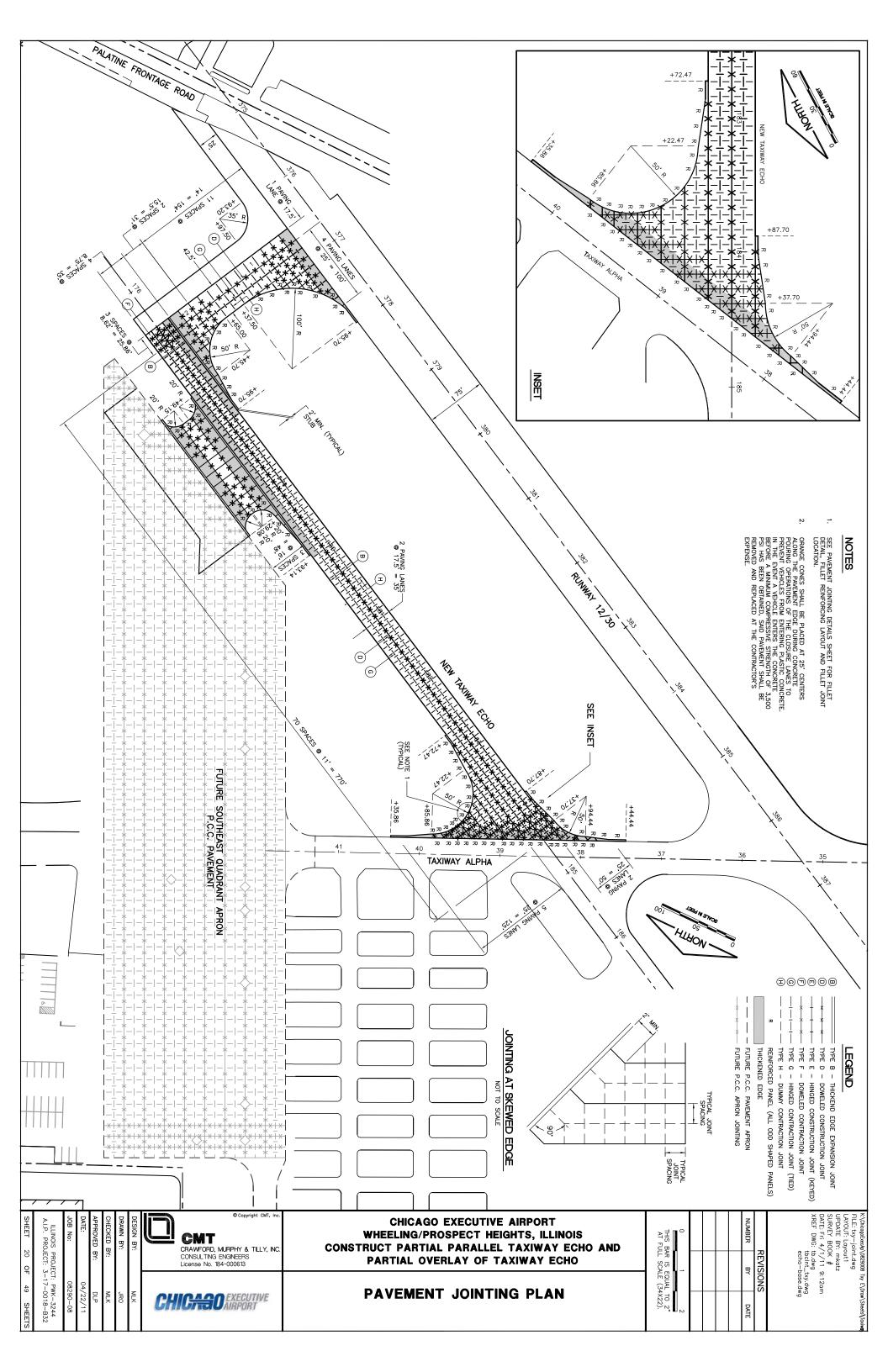


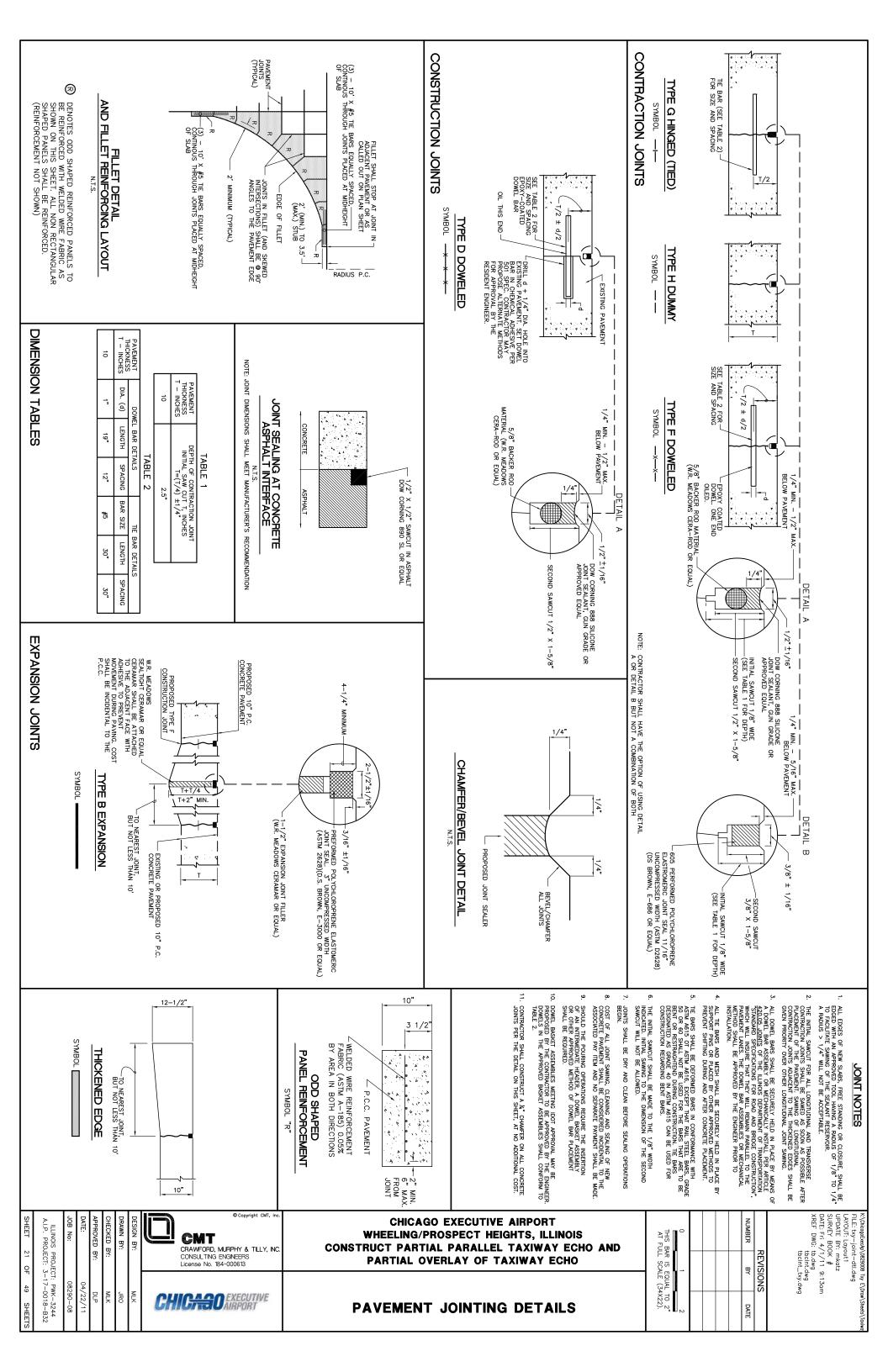


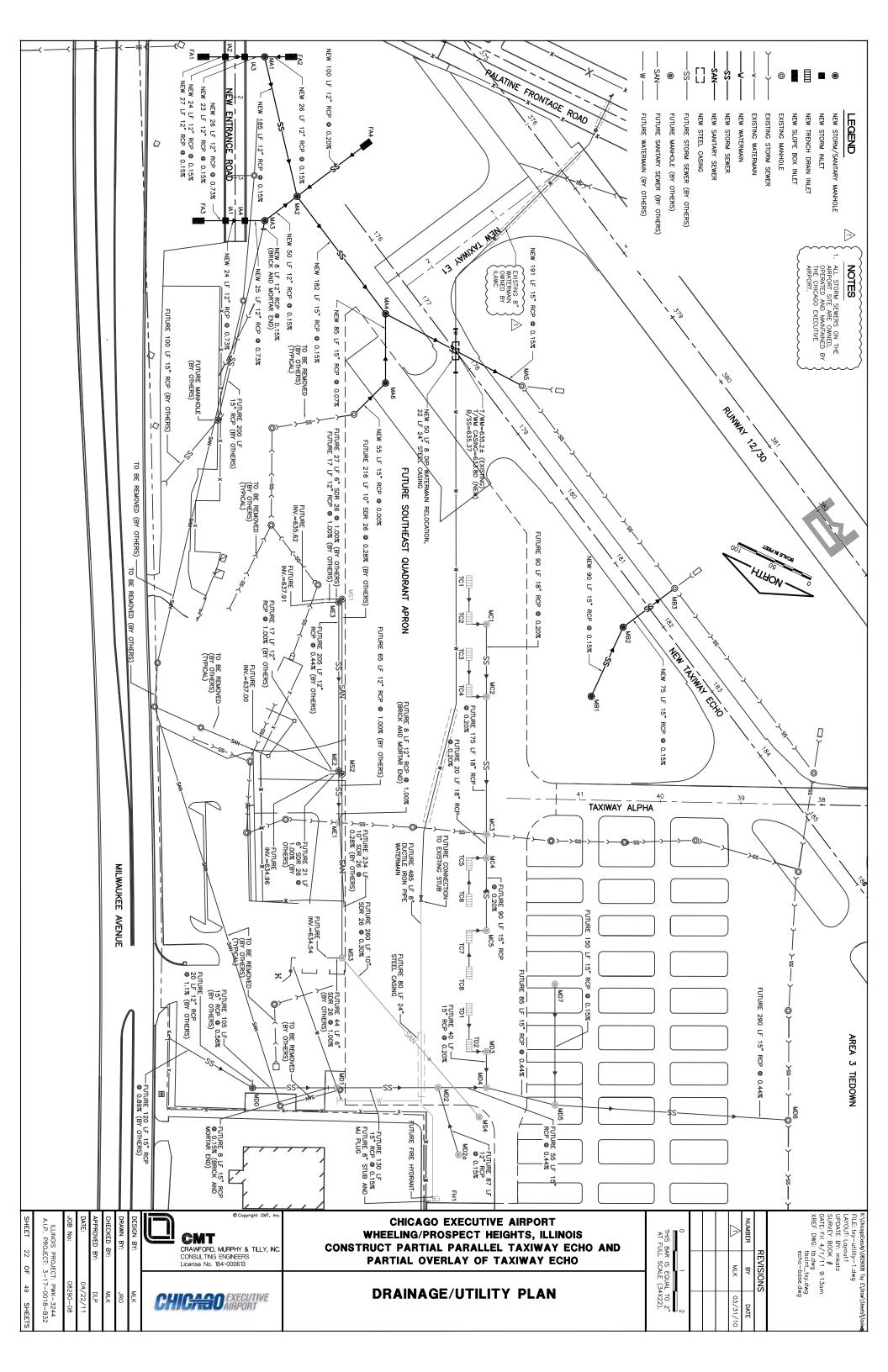


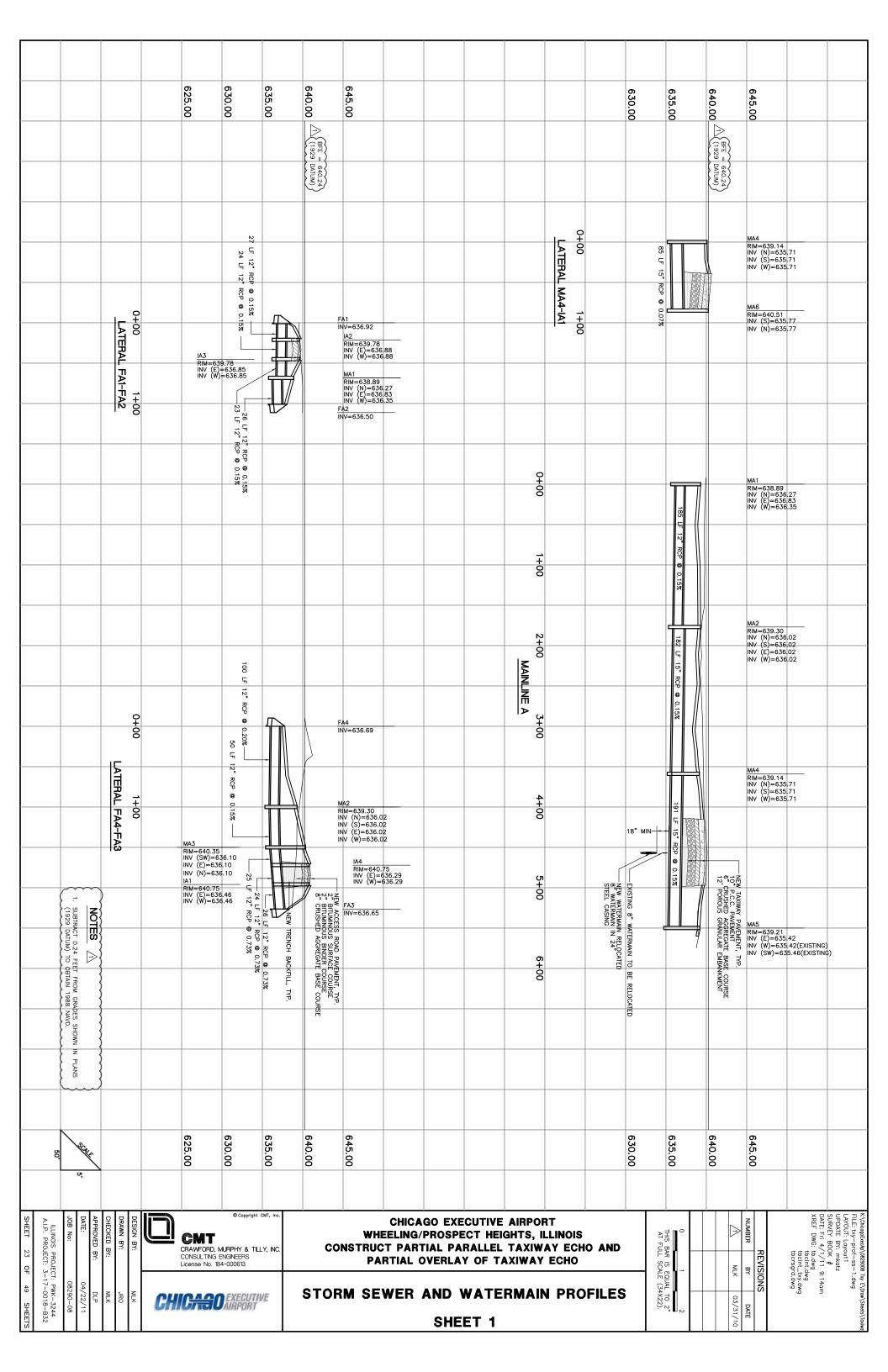


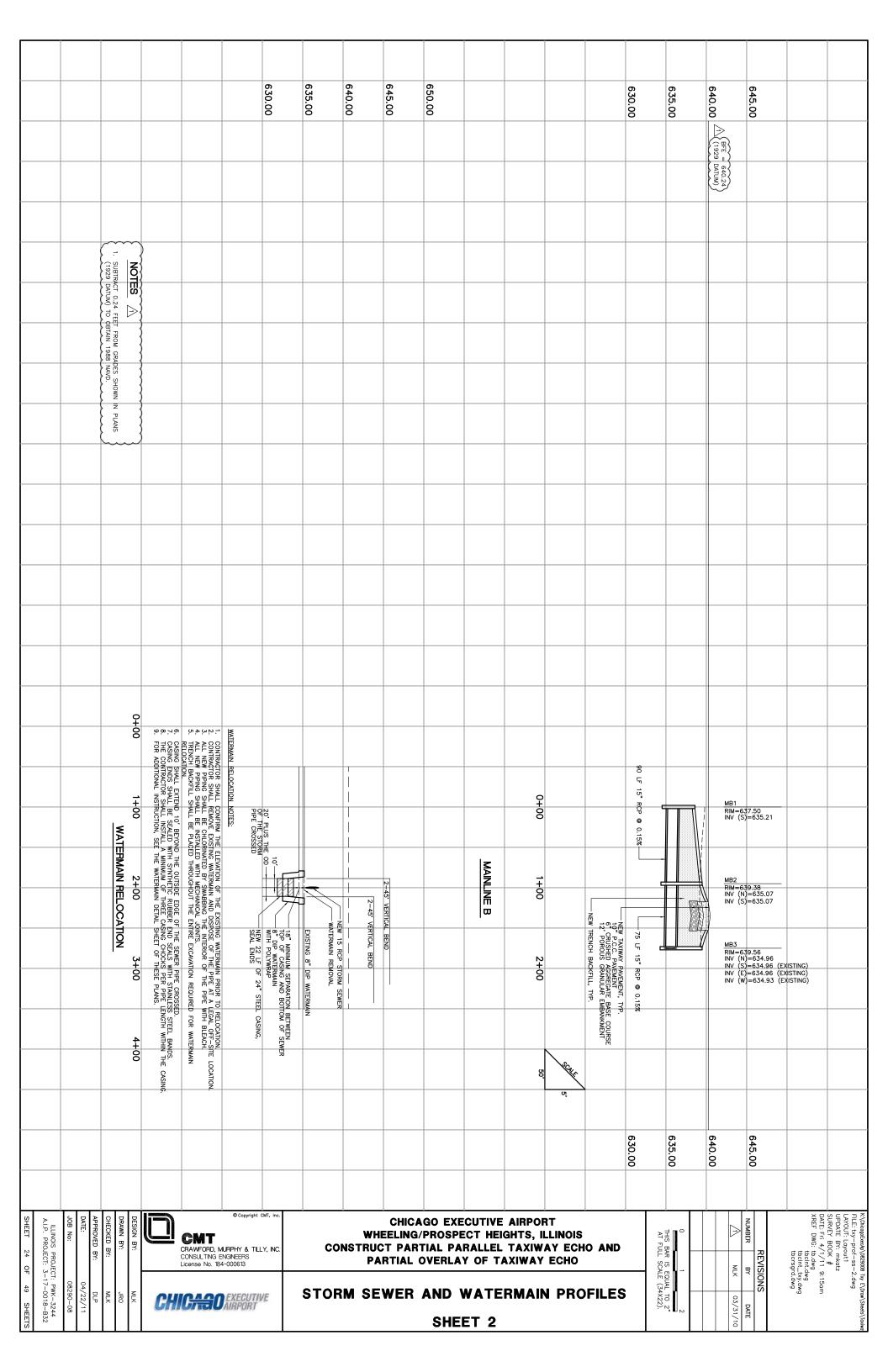


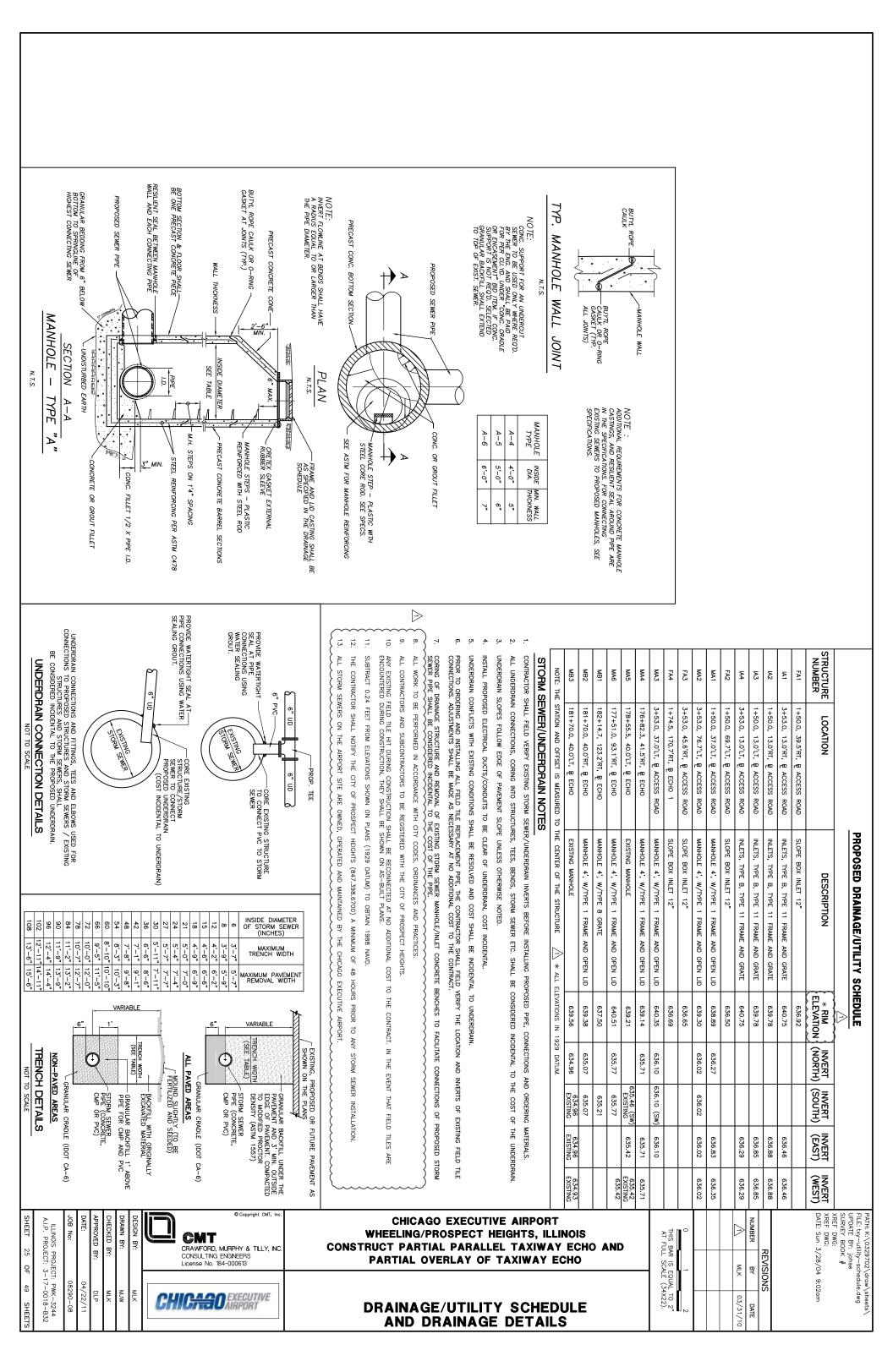


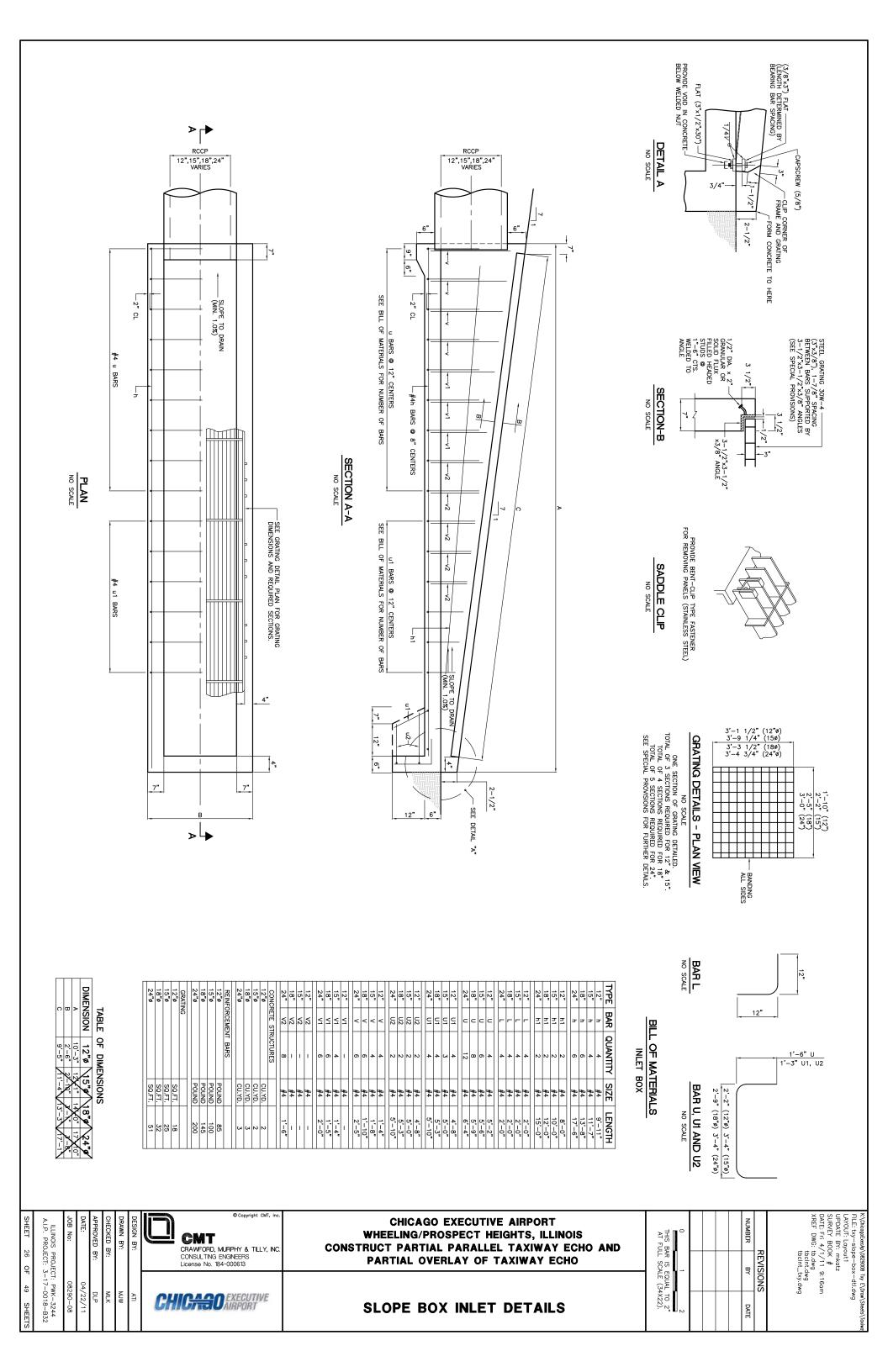


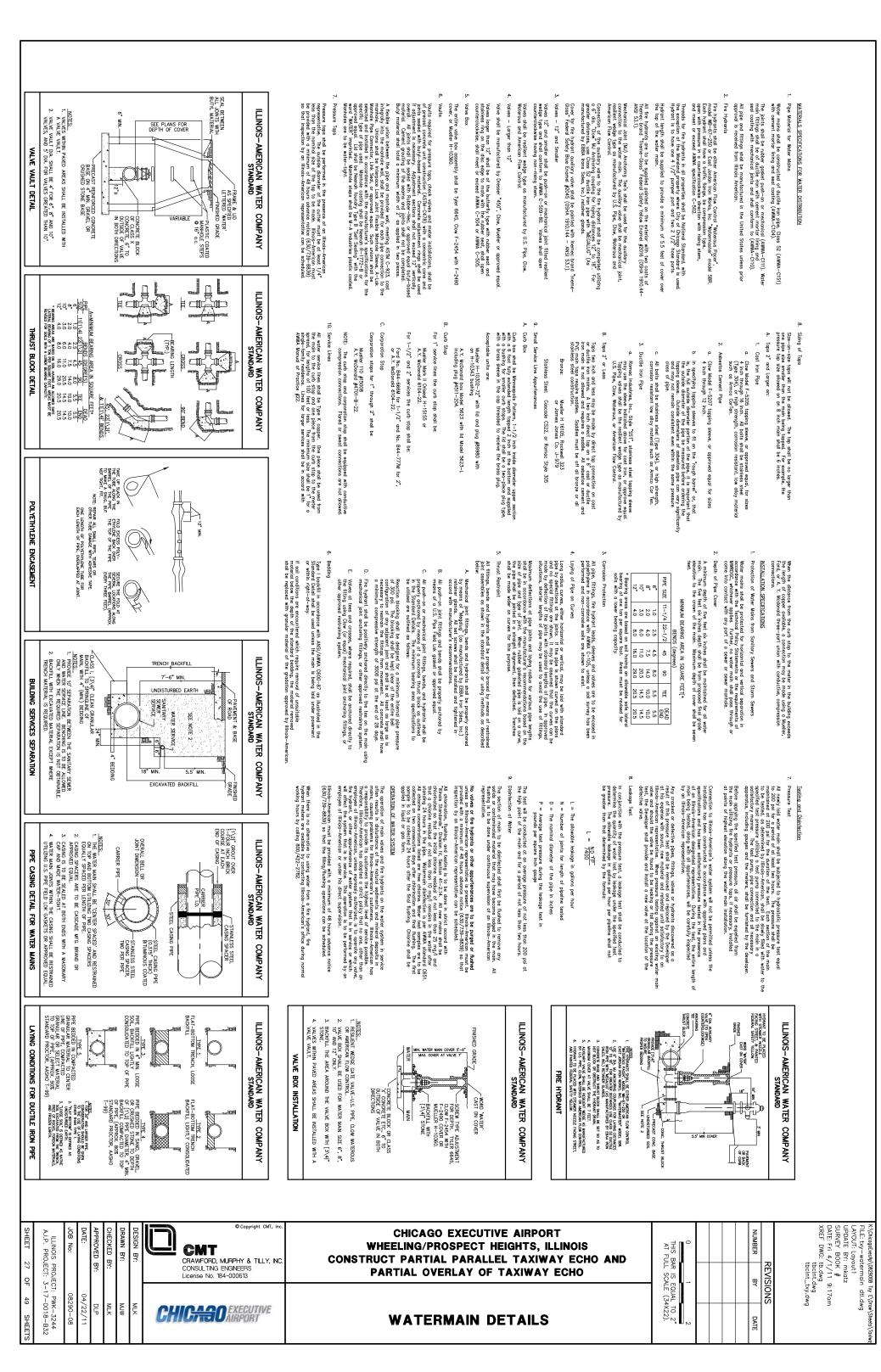


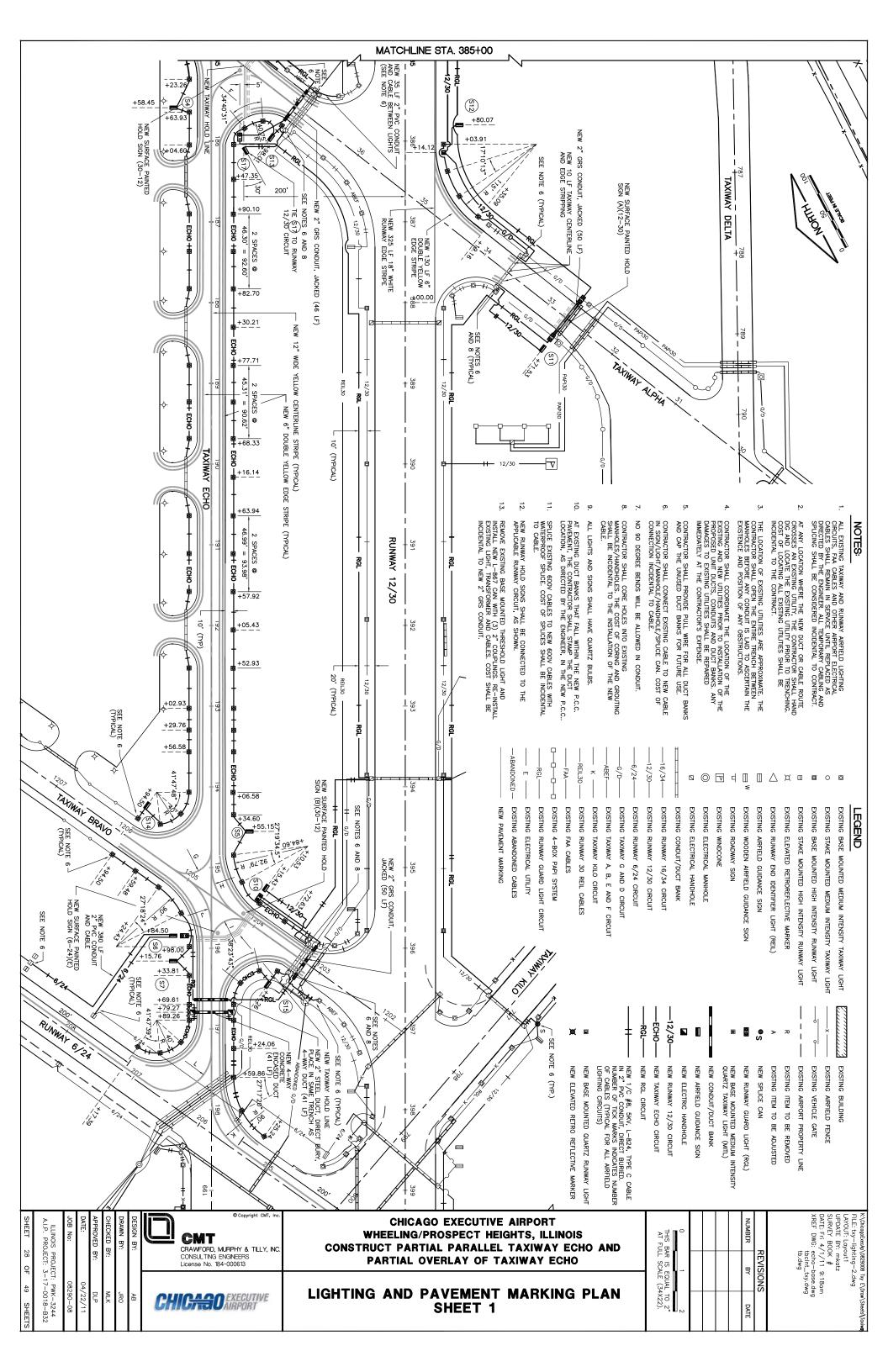


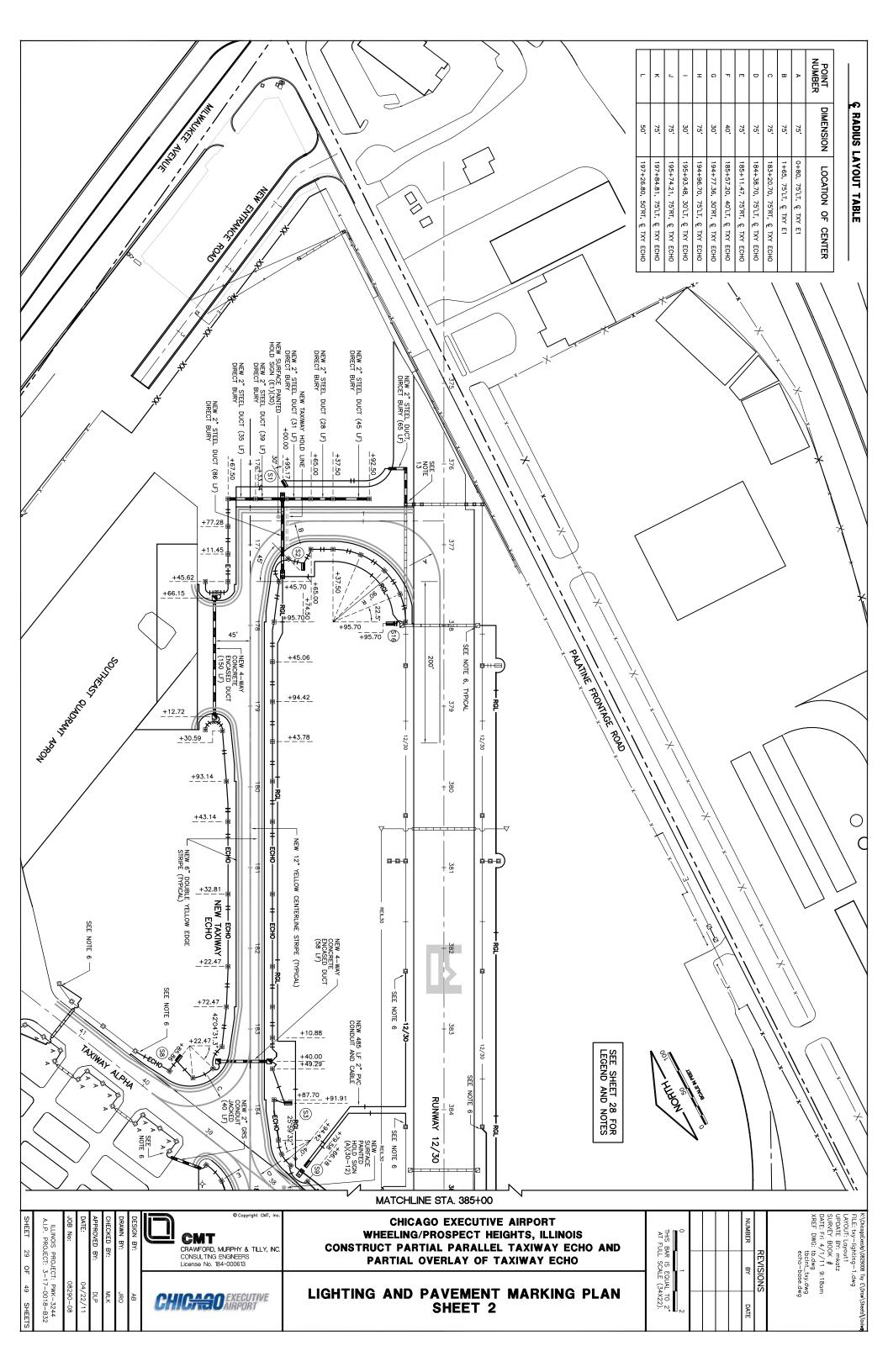


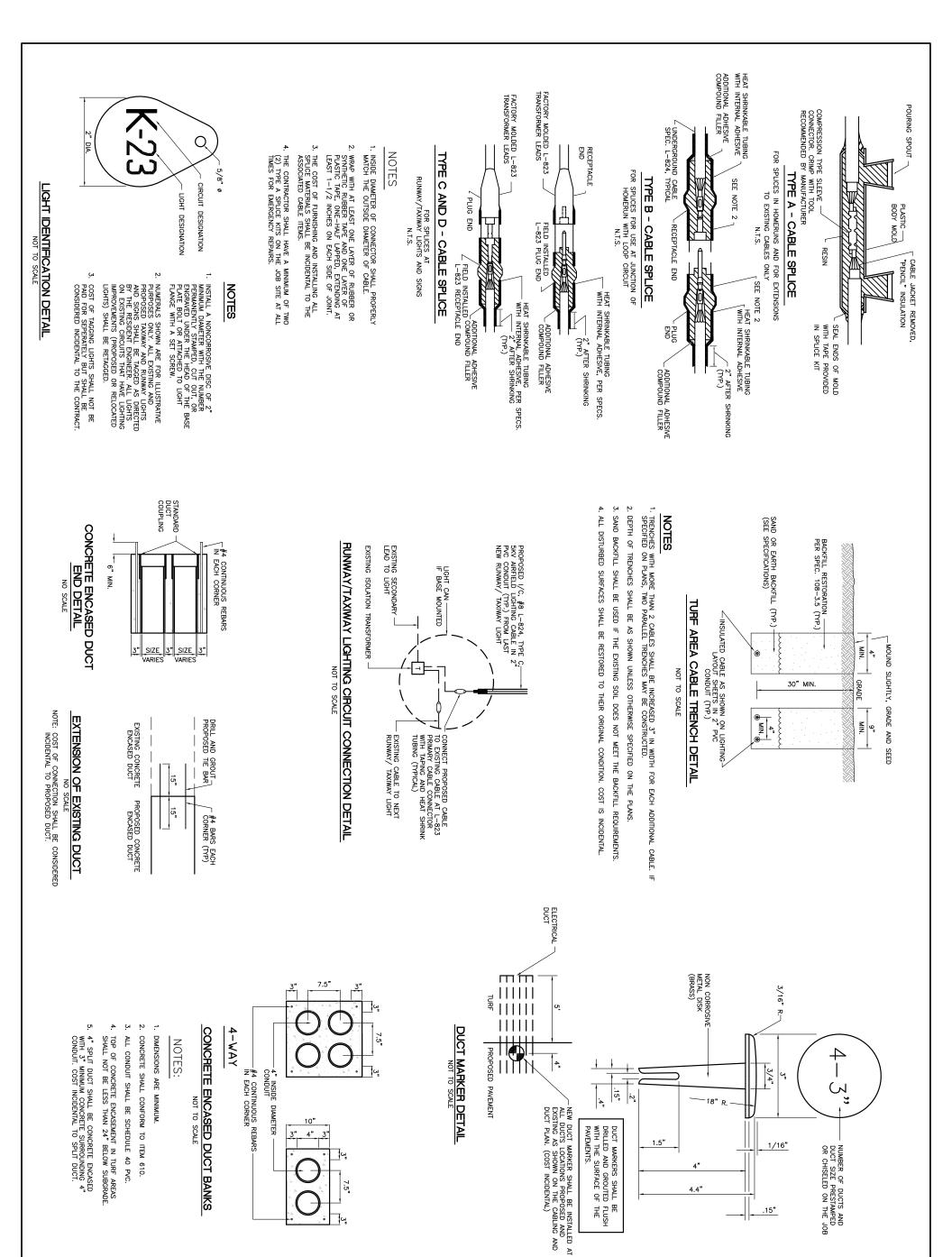












ILLINOIS PROJECT: PWK-3244
A.I.P. PROJECT: 3-17-0018-B32 30 유 49

)RAWN BY:

JRO

HECKED BY: PROVED BY:

DLP 돗

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

CMT

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

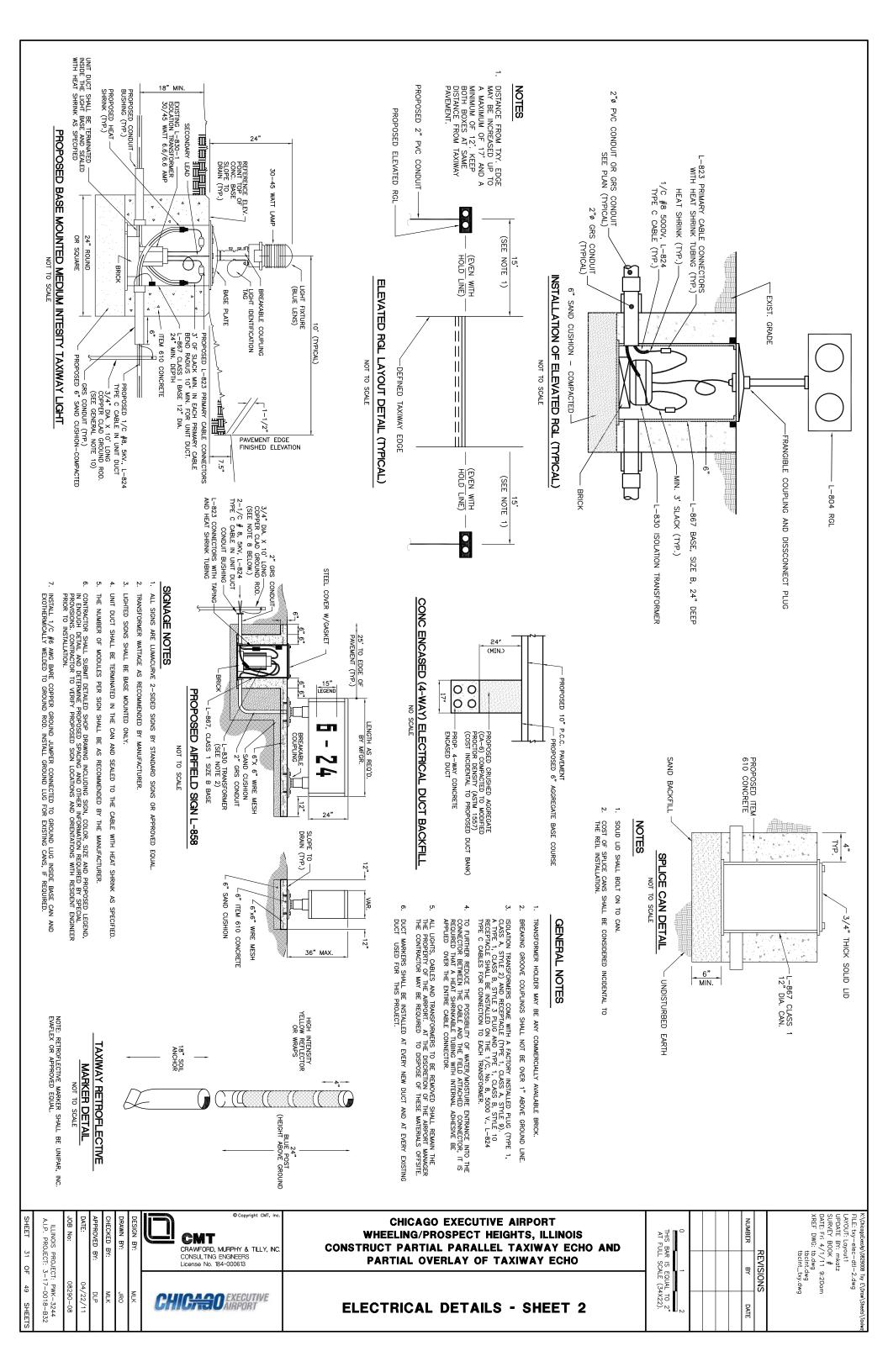
ELECTRICAL DETAILS - SHEET 1

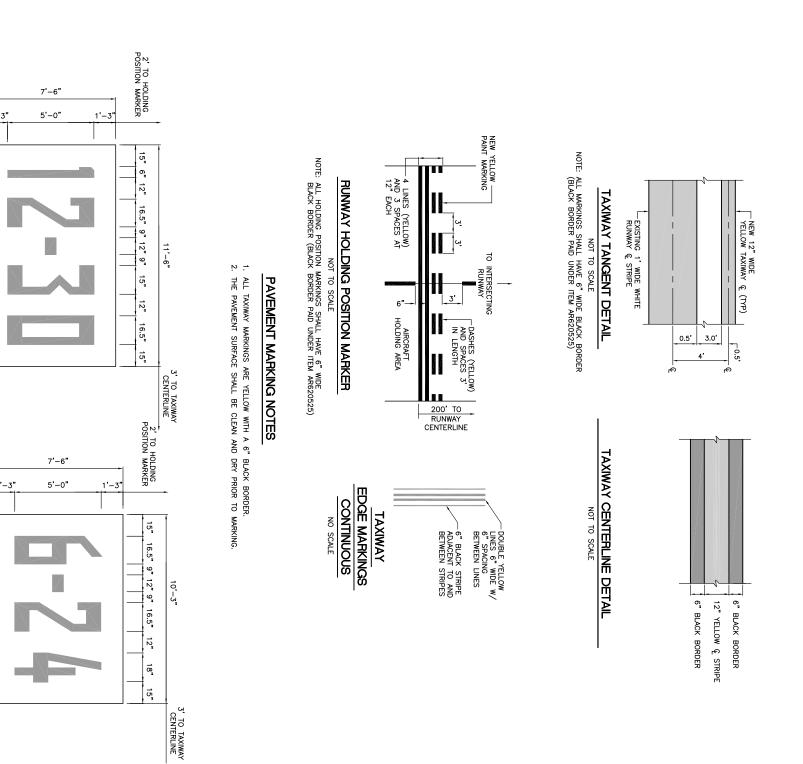
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SURVEY BOOK #
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.15"

4.4"

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).





NEW SIGN TYPE LEGEND

0--- BLANK PANEL - BLACK
1--- RUNWAY/TAXIWAY HOLDLINE - WHITE LEGEND ON RED BACKGROUND
2--- LOCATION SIGN - YELLOW LEGEND ON BLACK BACKGROUND
3--- DIRECTION/INFORMATION SIGN - BLACK LEGEND ON YELLOW BACKGROUND

S17	S16	S15	S14	\$13	S12 (RELOCATED & MODIFIED)	S11 (RELOCATED)	S10 (RELOCATED)	S9 (RELOCATED)	S8	S7	S6	S5	S4	S3	S2
SE	≰m	NE SW	NE SW	NE SW	¥m	NE SW	NE SW	NE SW	NE	≰m	≰m	≰m	≰m	¥m	zσ
N/A	N/A	N/A	N/A	N/A	D 4 12	NAL A 15-30	30–12 B 30–12	A 30-12	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30-12	₩ E1	B 3 € B	B BLANK	© 3 © V	BLANK	NAL 4 A NAL 4	30-12	A 30-12	♣ 3 ♣ V	♣8♠ 3 BLANK	3 XNVTB 6-24 E	BLANK ∃	F SLANK	BLANK 3	NANATB E E
0-1	3	0 2,3	3,2 2,0	0 2,3	Oω	0.2 2,1	1.2 2,0	1.2 2,0	0,2 2,3	0 2,3	2,1 0,2	3,2 2,0	0,2 2,3	3,2 2,0	3,2 0
STA. 185+97.50, 40' LT. © TAXIWAY ECHO	STA. 377+95.70, 62.5' RT. & RUNWAY 12/30	STA. 1203+44.26, 43.1' LT. £ TAXIWAY BRAVO	STA. 1205+94.50, 40.9' RT.	STA. 36+98.01, 44.26' LT. & TAXIWAY ALPHA	STA. 385+80.07, 62.5' LT. © RUNWAY 12/30	STA. 32+71.53, 43.52' LT. & TAXIWAY ALPHA	STA. 1204+15.43, 42.5' RT. & TAXIWAY BRAVO	STA. 37+79.58, 49.20' RT. & TAXIWAY ALPHA	STA. 39+85.86, 50' RT. © TAXIWAY ALPHA	STA. 196+15.76, 42.5' RT. © TAXIWAY ECHO	STA. 195+84.5, 43.92' RT. © TAXIWAY ECHO	STA. 194+55.15, 42.5' LT. © TAXIWAY ECHO	STA. 185+58.45, 42.5' RT. © TAXIWAY ECHO	STA. 183+91.91, 42.5' LT. © TAXIWAY ECHO	STA. 1+74.50, 51.88' LT. & TAXIWAY E1

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HECKED BY:

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PPROVED BY:

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

32

유 49 THE NUMERALS 12 AND 30 OR 6 AND 24 MAY BE REVERSED DEPENDING ON WHICH TAXIWAY IS BEING MARKED. SURFACE PAINTED HOLD POSITION SIGNS SHALL MATCH LIGHTED TAXI GUIDANCE SIGN PANEL.

1. ALL SURFACE PAINTED HOLDING POSITION SIGNS SHALL HAVE A RED BACKGROUND WITH A WHITE INSCRIPTION, AND WILL BE OUTLINED WITH A 6" BLACK BORDER.

SURFACE PAINTED HOLDING POSITION SIGN

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

ELECTRICAL AND PAVEMENT MARKING

	_					
THIS B	0			NUMBER		
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).	1			ВҮ	REVISIONS	
TO 2" 4X22).	2			DATE		

NEW SIGN NUMBER

SIGN FACE

EXISTING SIGN LEGEND

SIGN LEGEND

NEW NEW TYPE

NEW SIGN LOCATION

STA. 2+00, 42.5' © TAXIWAY E1

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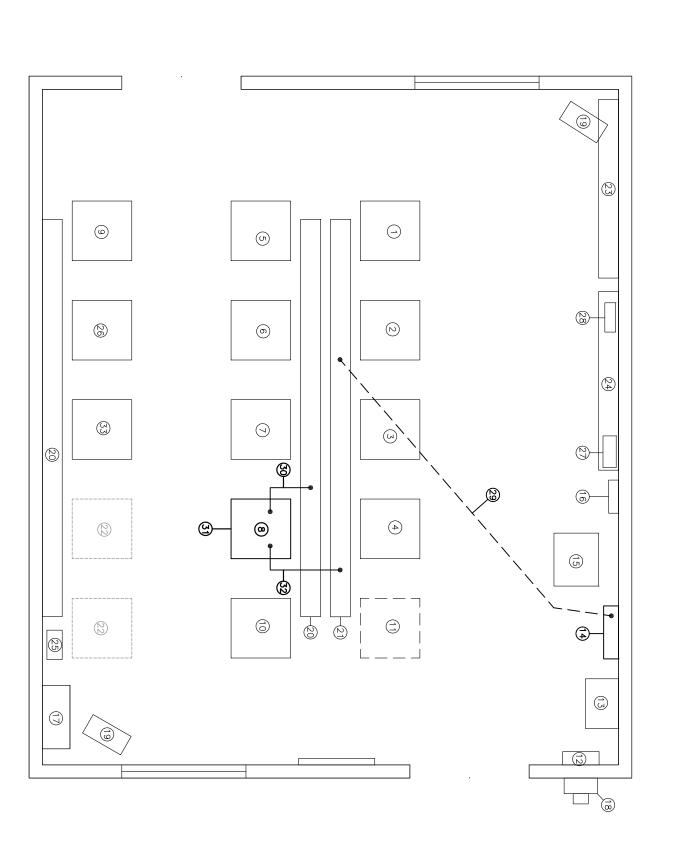
AIRFIELD SIGNAGE SCHED

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DETAILS - SHEET 3



PROPOSED VAULT NOMENCLATURE

N

- EXISTING 20KW (5-STEP) REGULATOR FOR RUNWAY

6/24. 16/34.

- EXISTING 10KW (5-STEP) REGULATOR FOR RUNWAY 12/30.
- EXISTING 10KW (3-STEP) REGULATOR FOR TAXIWAY G,D AND 34 HOLD APRON.
- EXISTING 15KW (3-STEP) REGULATOR FOR RGL.
- EXISTING 10 KW (3-STEP) REGULATOR FOR HFC APRON LIGHTING (DISCONNECTED). EXISTING 10 KW (3-STEP) REGULATOR FOR RUNWAY 16 APPROACH LIGHTING.
- EXISTING 10KW (3-STEP) REGULATOR FOR TAXIWAY A,B,E AND F TO BE REMOVED.

- EXISTING 30 KW (5-STEP) REGULATOR FOR TAXIWAY D, L, Y AND Z.
- EXISTING 20 KW (3-STEP) REGULATOR FOR TAXIWAY
- EXISTING 10KW (3-STEP) REGULATOR FOR RUNWAY 16/34 RDR.
- EXISTING MAIN UTILITY SERVICE CIRCUIT BREAKER DISCONNECT. 800A, 480V..
- EXISTING AUTOMATIC TRANSFER SWITCH. 800A, 480V,
- HIGH VOLTAGE POWER DISTRIBUTION PANEL. (SEE NOTE 1). 480V, 3-PHASE WITH 800AMP MAIN CIRCUIT
- EXISTING LOW VOLTAGE LIGHTING PANEL. 208 Y/120 V, BREAKER. EXISTING 150KVA, 480V-280Y/120V, 3ø, 4-WIRE TRANSFORMER.

3-PHASE WITH 400AMP MAIN CIRCUIT

(a) (b)

EXISTING 800AMP CT CABINET.

EXISTING PLC CONTROL CABINET.

- EXISTING GAS FIRED UNIT HEATER
 - EXISTING 12"x12"x12' LONG HIGH VOLTAGE WIREWAY
 - EXISTING 12"X12"x12' LONG LOW VOLTAGE WIREWAY.
 - SPACE FOR FUTURE REGULATORS.
 - EXISTING 12"x12"x9' LONG LOW VOLTAGE WIREWAY. EXISTING 12"x12"x9' LONG HIGH VOLTAGE WIREWAY.
 - EXISTING L-854 RADIO CONTROLLER FOR PILOT CONTROL LIGHTING.
 - EXISTING 30 KW (3-STEP) REGULATOR, SPARE.
 - EXISTING REIL CONTROL PANEL. EXISTING L884 PCU CONTROLLER FOR LAHSO CIRCUIT IN NEMA 1 ENCLOSURE.
 - NEW 2 #4 THWN, 1 #8 GND. IN EXISTING 4" GRS CONDUIT TO LOW VOLTAGE WIREWAY.
 - NEW 2-1/C #8 5KV, L-824 CABLE IN 1" WP/FLEX CONDUIT.
 - NEW 2 #4 THWN, 1 #8 GND., 4 #12 THWN, 1 #12 NEW 20KW, L-828 (3-STEP) REGULATOR FOR TAXIWAY A, B, E AND F. (SEE NOTE 2). GND. IN 1-1/2" WP FLEX CONDUIT.
- EXISTING 10KW (3-STEP) REGULATOR FOR TAXIWAY

NEW AIRFIELD ELECTRICAL VAULT PLAN VIEW

NOT TO SCALE

2. CONNECT NEW AND EXISTING POWER/CONTROL WIRES TO NEW 20KW REGULATOR TO BE OPERATIONAL FOR TAXIWAY A, B, E AND F CIRCUIT.

CONTRACTOR SHALL INSTALL (1) 60A, 2-POLE CIRCUIT BREAKER IN THE EXISTING HIGH VOLTAGE PANELBOARD. MATCH EXISTING CIRCUIT BREAKERS. UPDATE CIRCUIT DIRECTORY FOR NEW 20KW REGULATOR.

NOTES:

HY & TILLY, INC EERS 613

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

> AIRFIELD ELECTRICAL VAULT **MODIFICATIONS**

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THIS BAR IS FOUAL TO 2"	1			ВҮ	REVISIONS	
TO 2"	2			DATE	,	

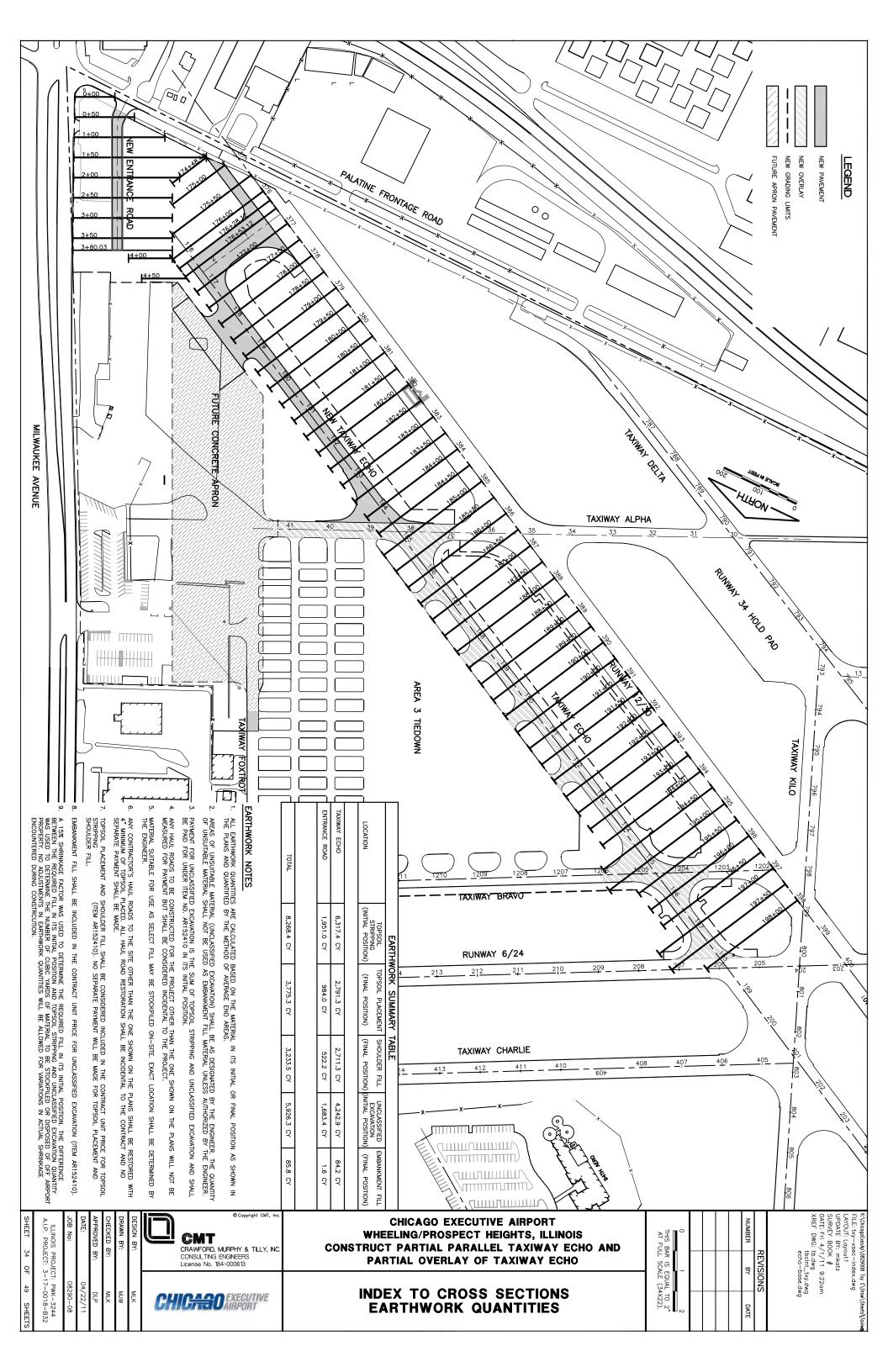
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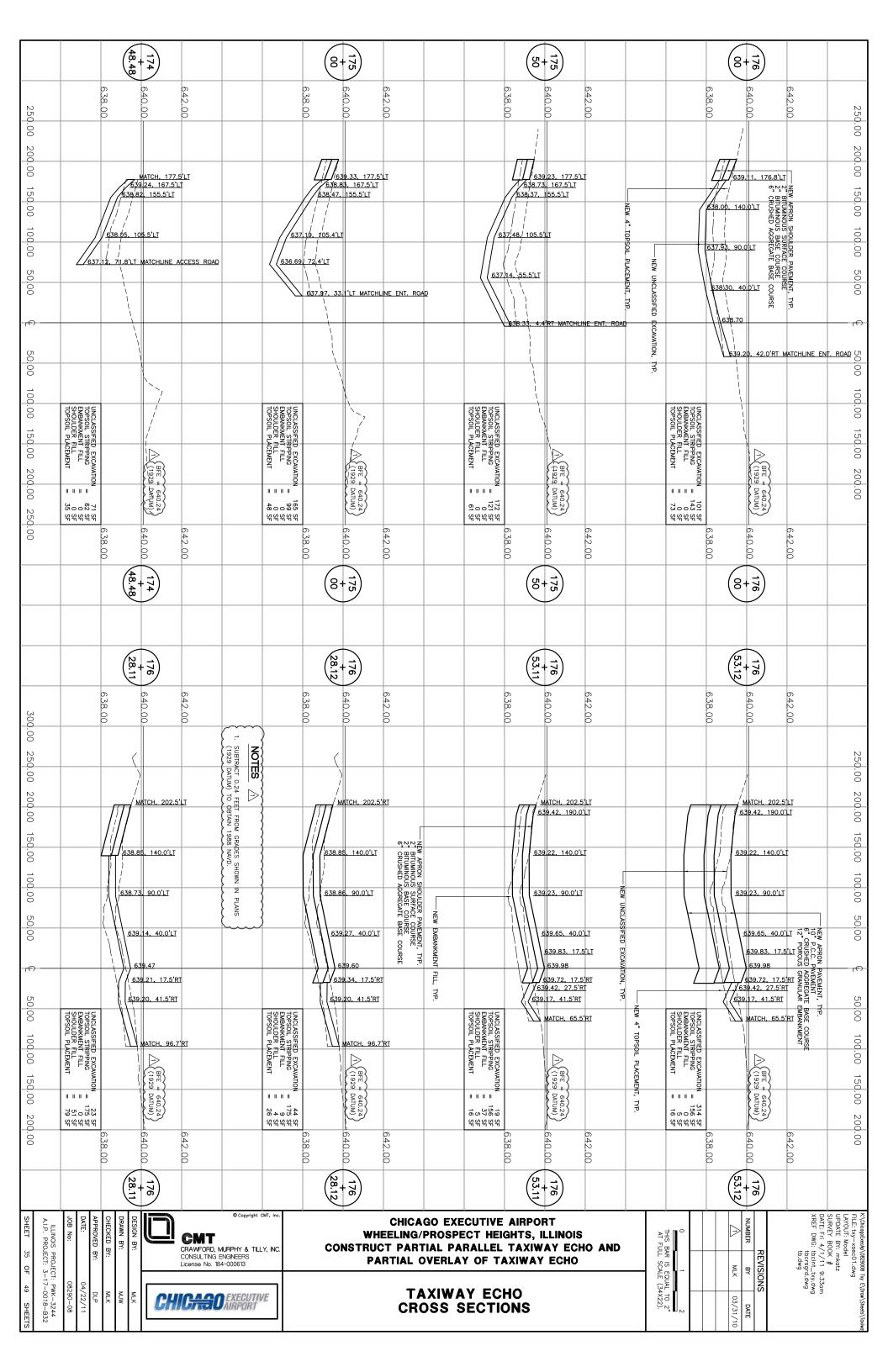
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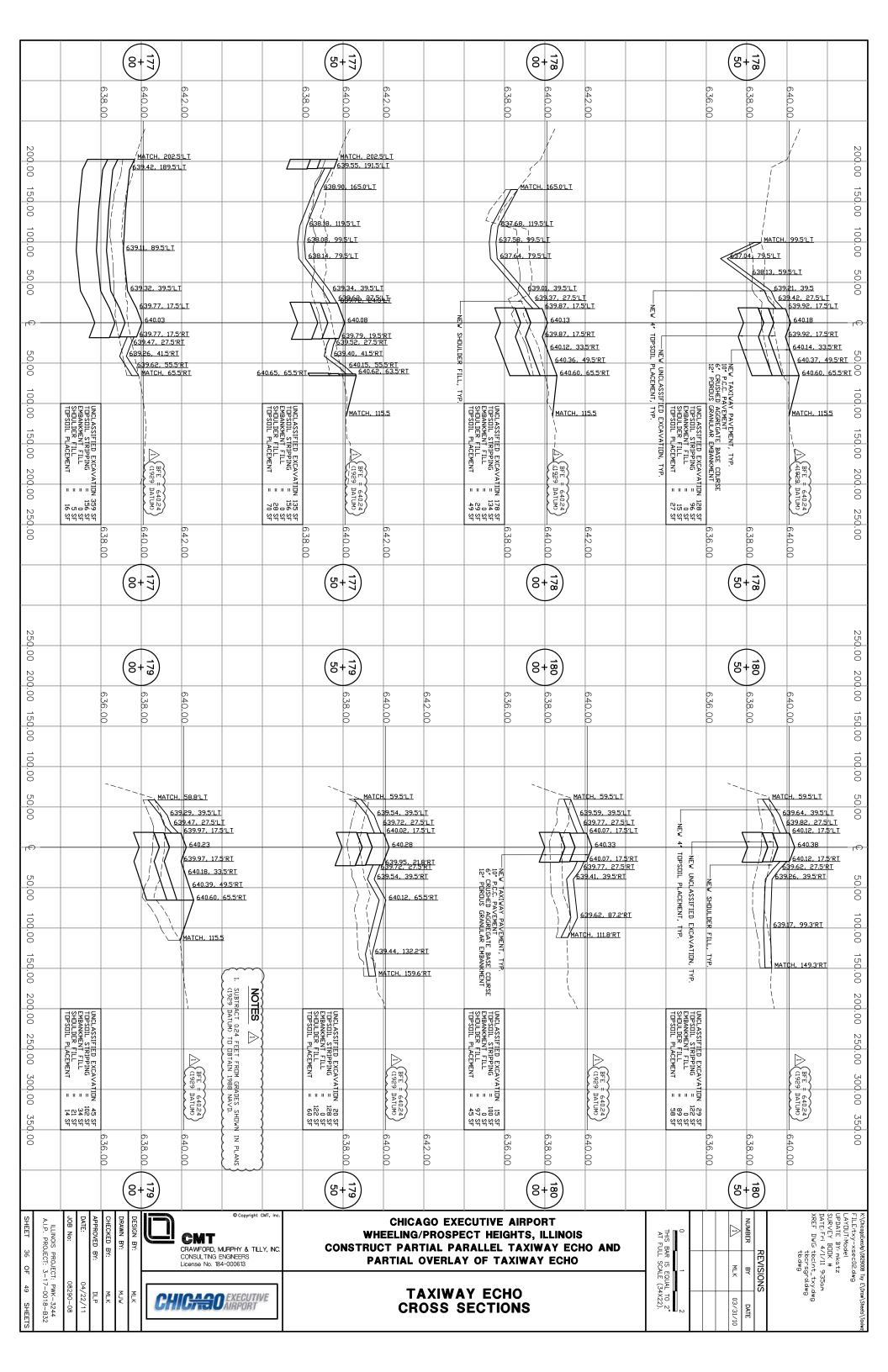
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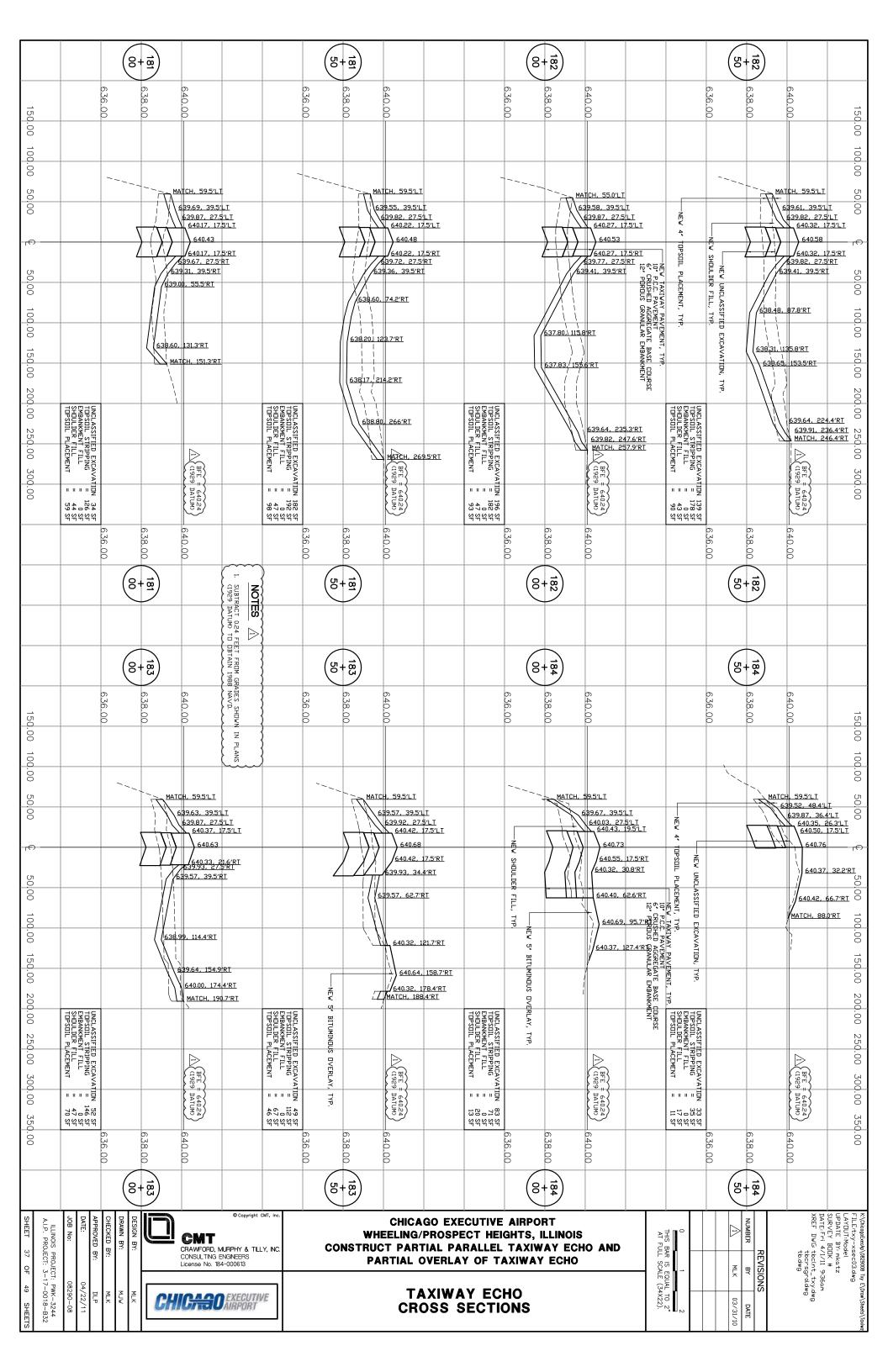
ILLINOIS PROJECT: PWK-3244
A.I.P. PROJECT: 3-17-0018-B32

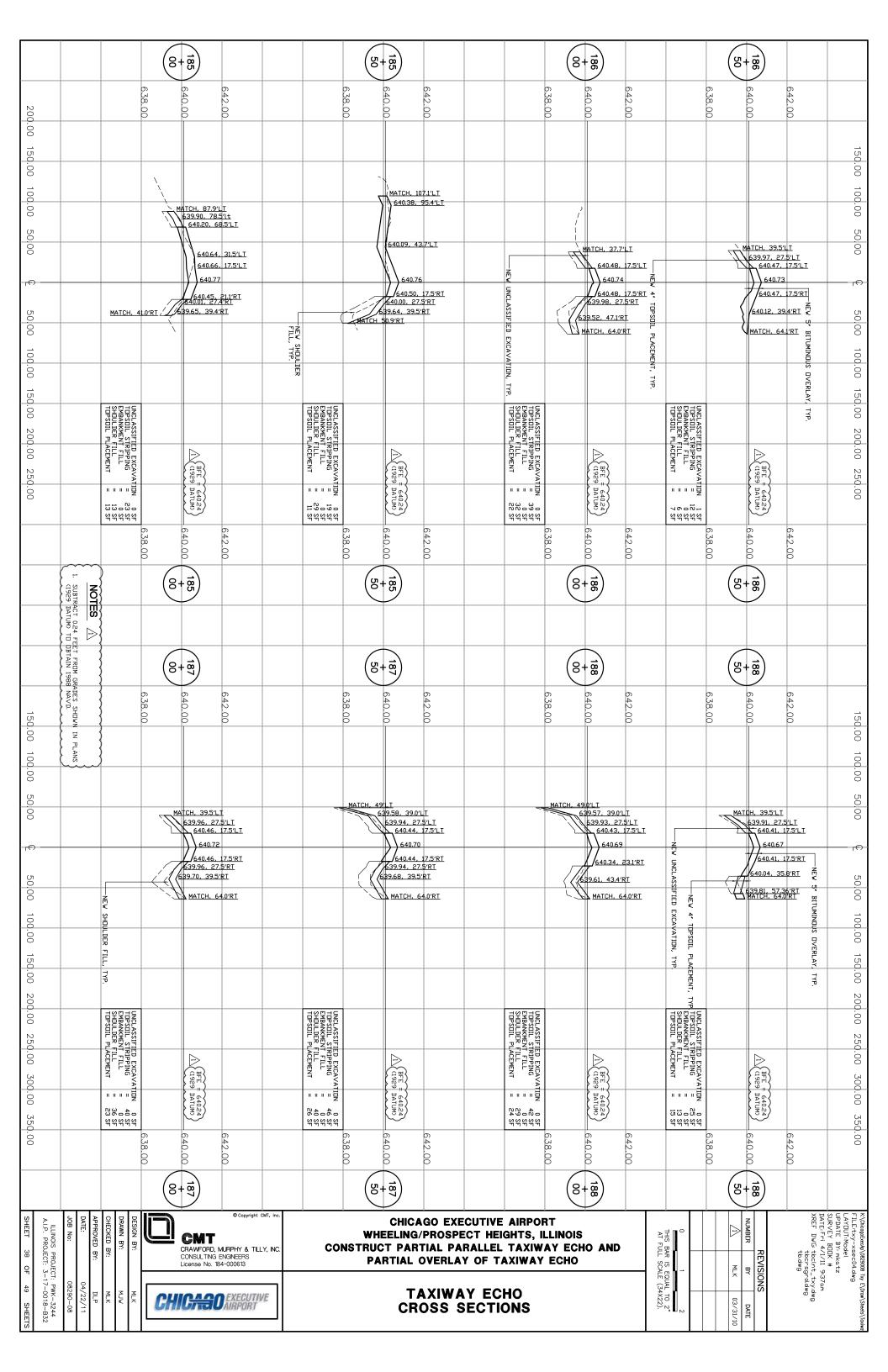
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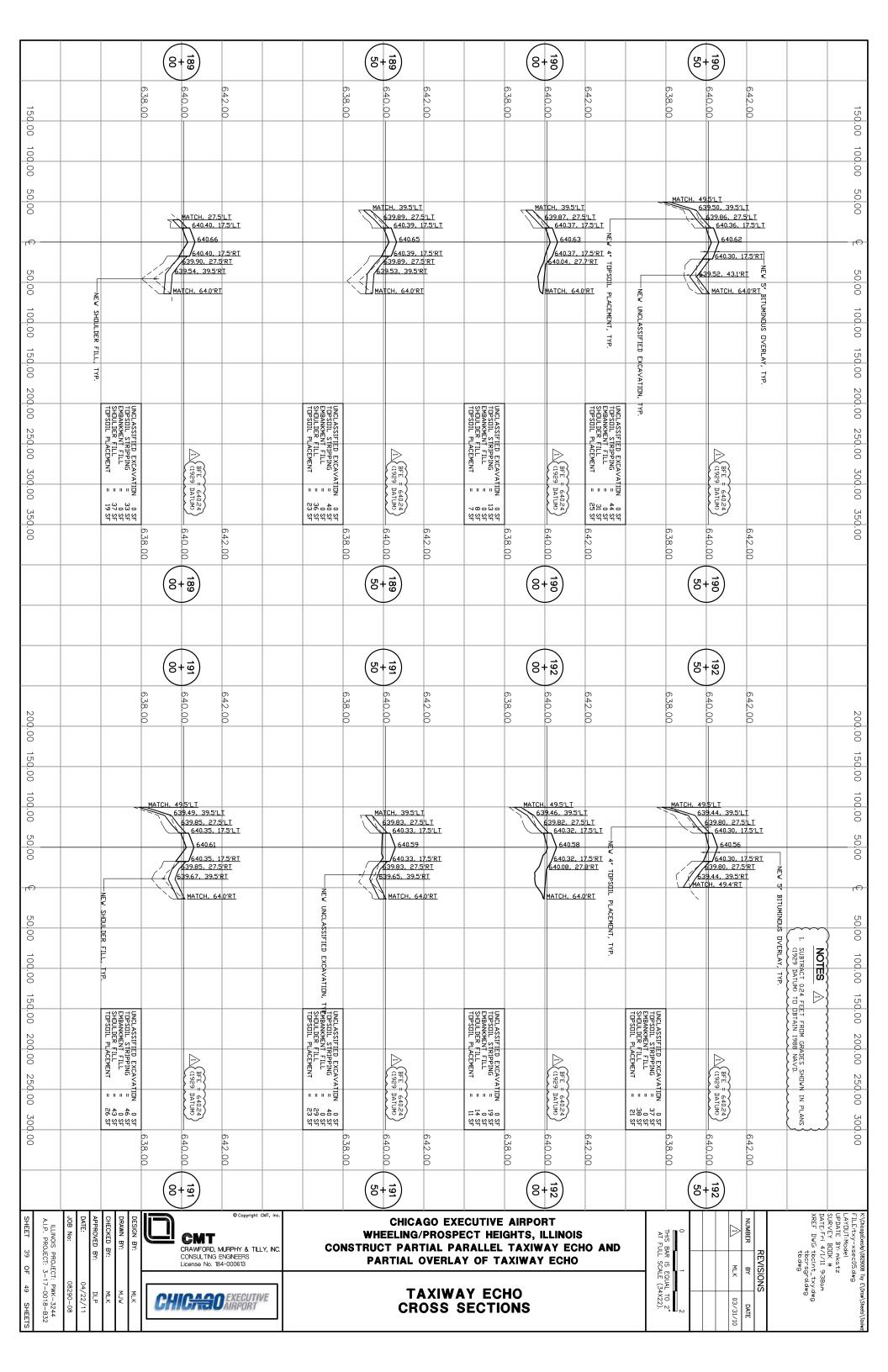


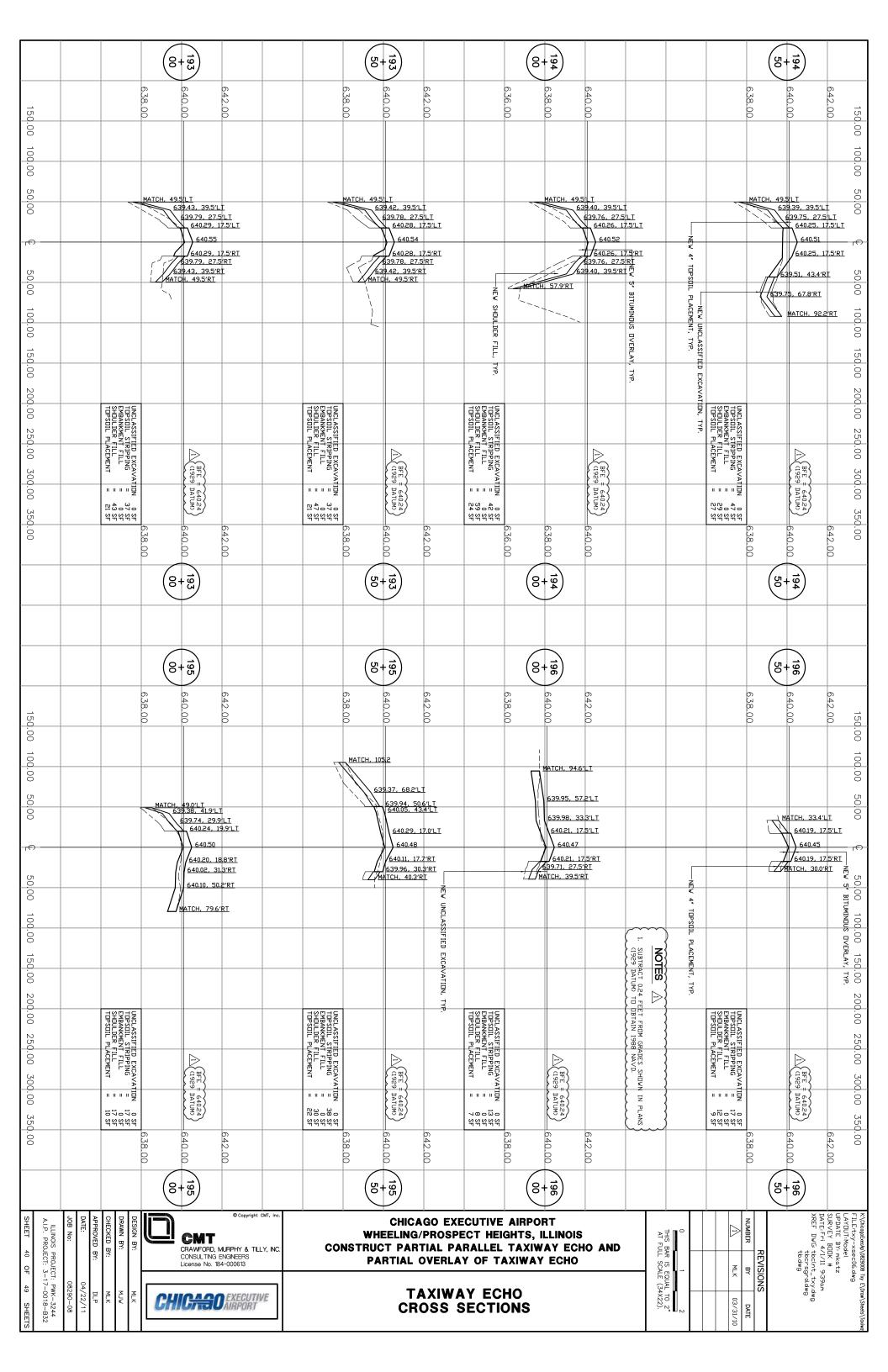


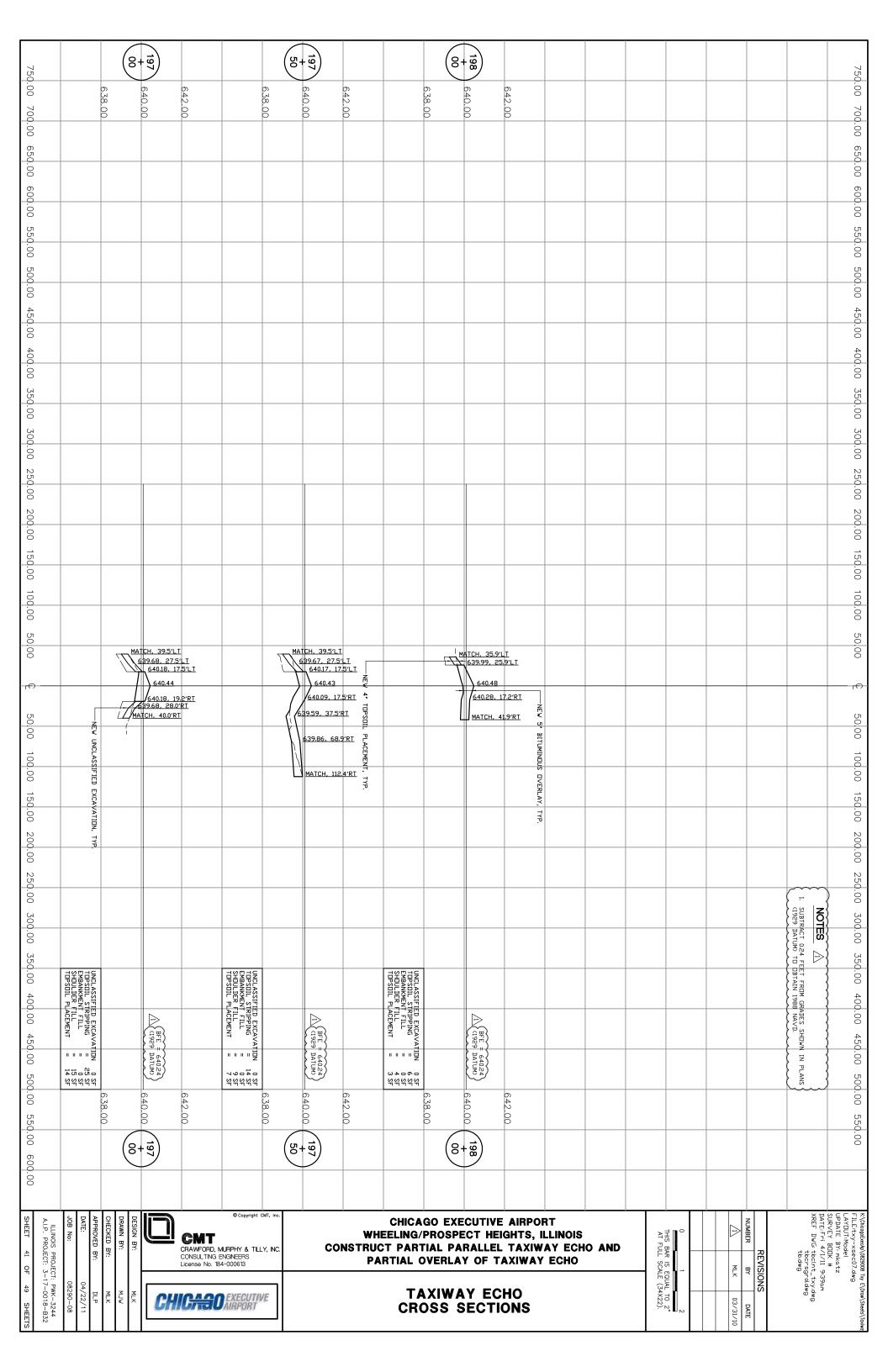


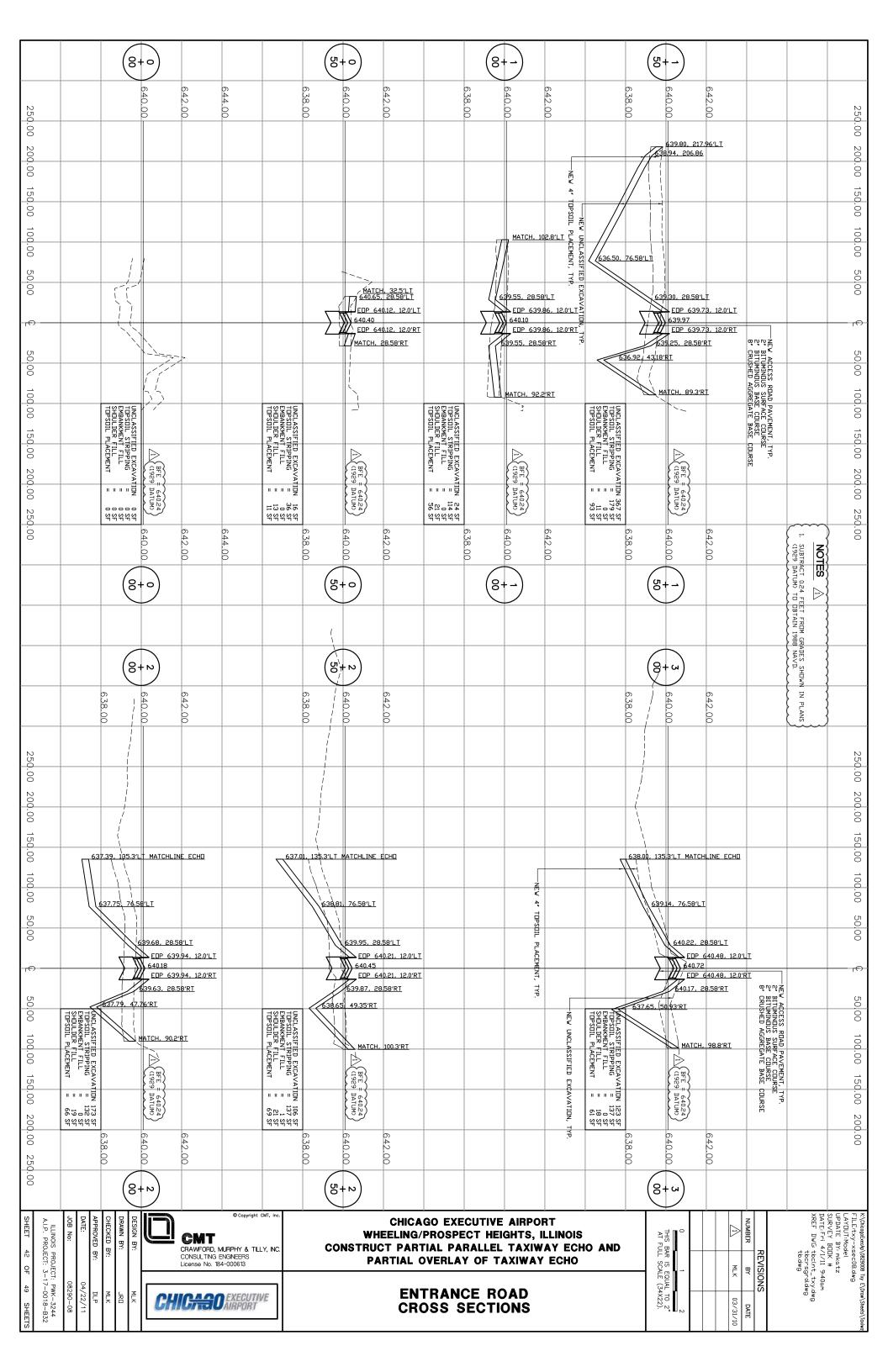


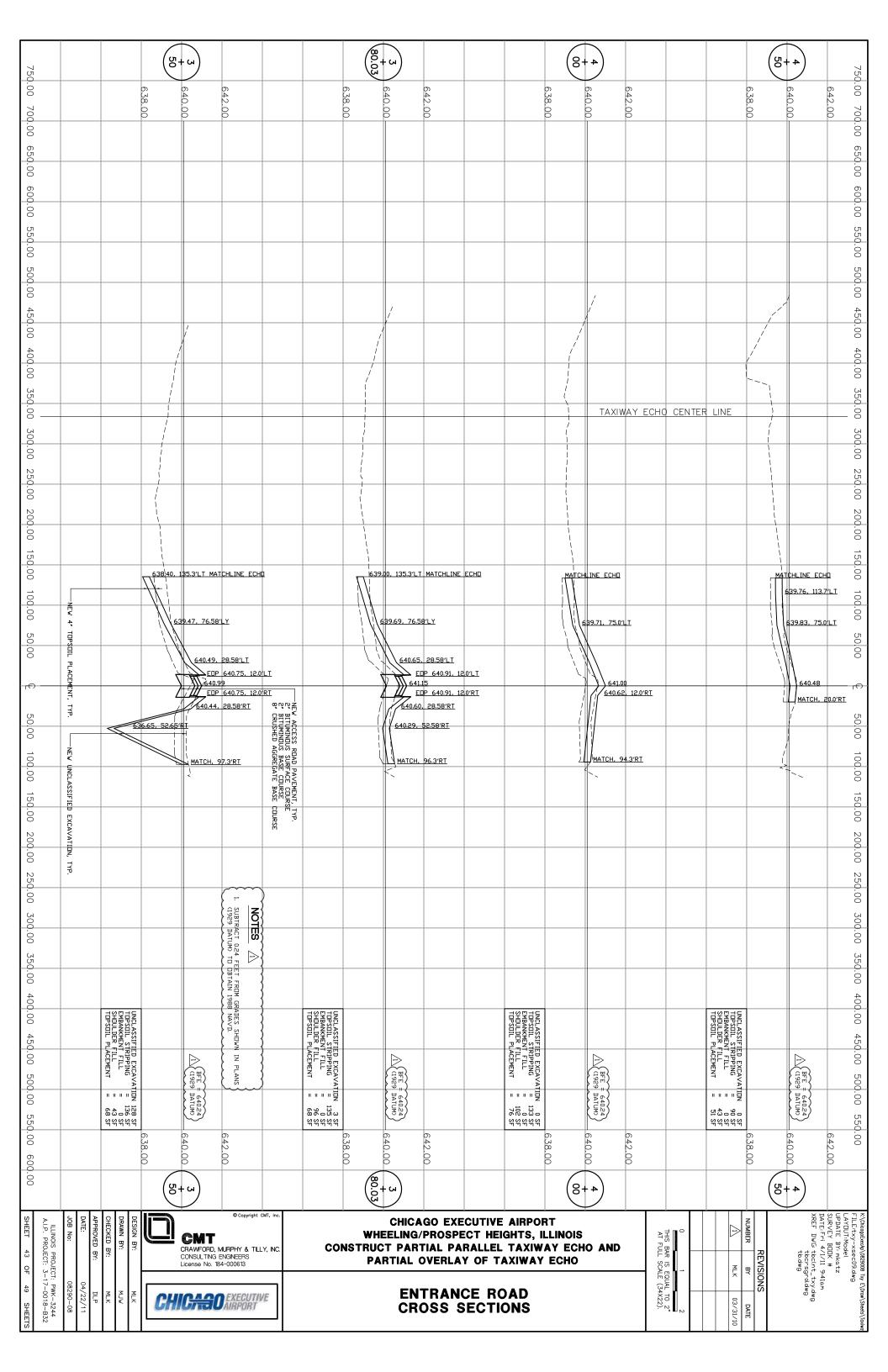


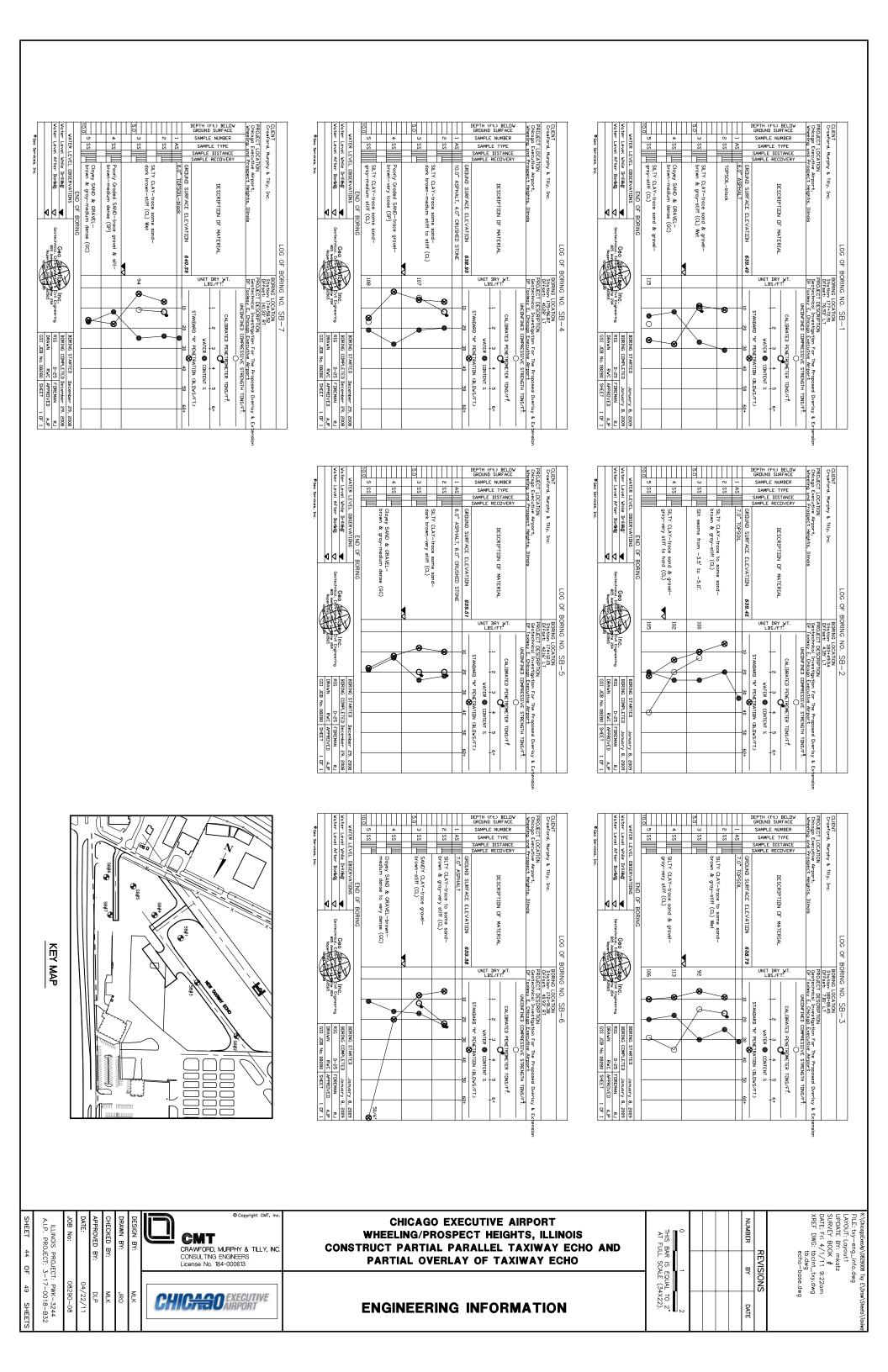


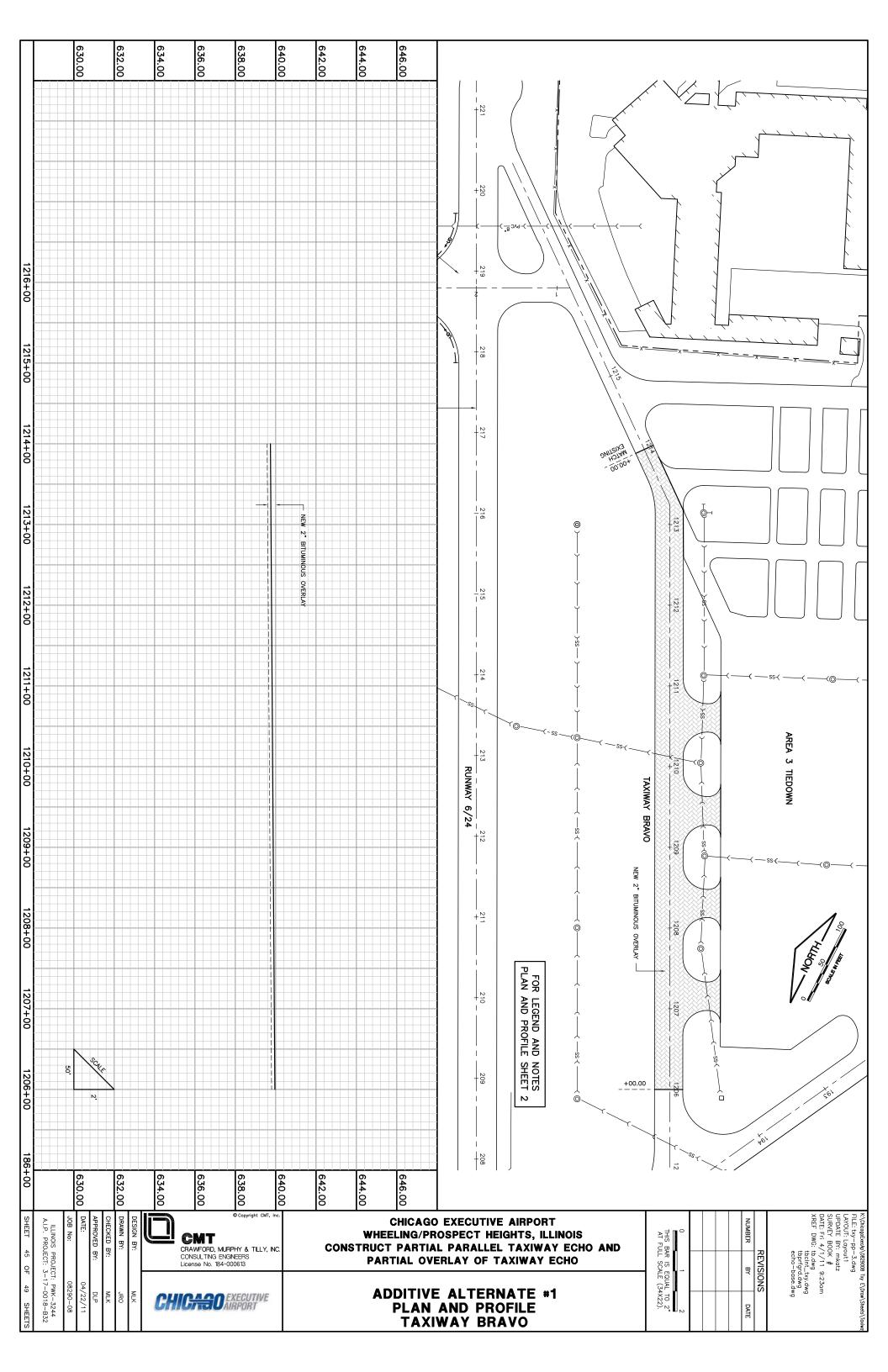


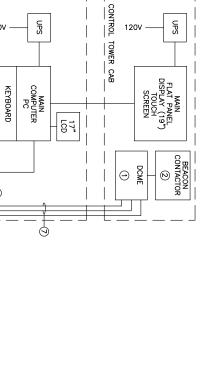














NEW DISTRIBUTED CONTROL AND MONITORING EQUIPMENT, DCME, COMBO AS MANUFACTURED BY SIEMENS OR EQUAL. MICROPROCESSOR BASED CONTROL/MONITOR PANEL WITH REMOTE AND LOCAL CONTROL FOR CCR STATUS, DIMMING CONTROL AND CABLE INSULATION MONITOR.

@ AIRFIELD LIGHTING VAULT Θ Θ DCME Θ Θ DCME Θ ⊕ § \odot SPARE CCR \odot TAXIWAY A,B,E,F CCR DCME Θ TAXIWAY CCR DCME Θ SPARE CCR O DCME TAXIWAY C CCR O DCME FUTURE DCME CCR Θ FUTURE CCR \odot LAHSO CONTROLLER Θ **∞** REIL CONTROLLER → PM AUTOMATIC TRANSFER SWITCH Θ DCME

AIRFIELD LIGHTING AND EQUIPMENT CONTROL DIAGRAM
NOT TO SCALE

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

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REDUNDANT ——
DATA NETWORK

LIGHTING VAULT

VAULT DATA RACK

NETWORK PATCH PANEL

COPPER TO FIBER CONVERSION MODULE

UPS

120V

COMPUTER NETWORK HUB #1

L-854 RADIO

LIGHTING VAULT

6

UPS

MAIN COMPUTER PC

KEYBOARD

120V

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

LINK (ONE 12 STRAND MULT-MODE FIBER CABLE)

TOWER DATA RACK

NETWORK PATCH PANEL

COMPUTER HUB

NETWORK #1

120V

(e)

ω 4

COPPER TO FIBER CONVERSION MODULE

UPS

120V

6

(a) (b) (c) (d)

 $(2)\ 24$ awg. Shielded twisted pair with a common, meeting eigrs-485 applications or as required by aloms manufacturer. CAT 6 DATA LINE IN CONDUIT TYPICAL U.O.N. COORDINATE ALL WORK WITH ALCMS MANUFACTURER (CONSTANT CURRENT REGULATOR MANUFACTURER). PROVIDE ALL REQUIRED DATA CONNECTION LINKS.

PROVIDE ALL REQUIRED DCME FOR REIL CONTROL PANEL. PROPOSED ALCMS SHALL CONTROL AND MONITOR REIL 16, REIL 34, REIL 12, AND REIL 30 CIRCUITS.

AT | S BAR

R IS EQUAL TO 2" L SCALE (34X22).

COORDINATE ALL RADIO INTERFACING EQUIPMENT WITH OWNER. PROVIDE ALL NETWORK INTERFACING HARDWARE AND EQUIPMENT. INCLUDING SOFTWARE AND PROGRAMMING.

COORDINATE NETWORK INTERFACING EQUIPMENT WITH GENERATOR AND TRANSFER SWITCH MANUFACTURER. PROVIDE ALL NETWORK INTERFACING HARDWARE AND EQUIPMENT.

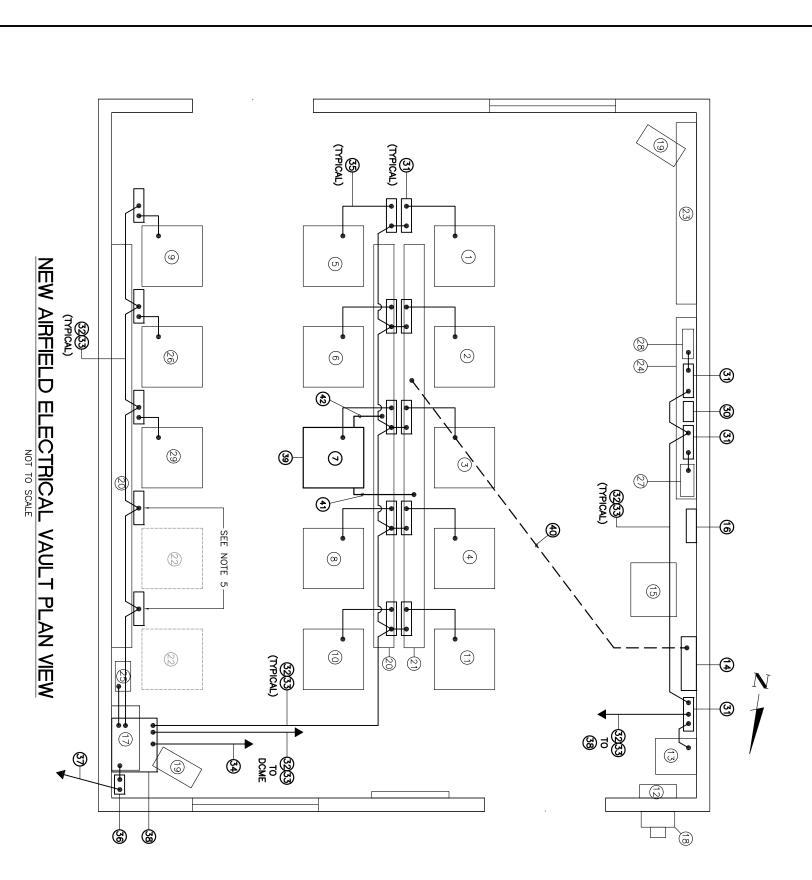
PROVIDE ALL REQUIRED TRANSCEIVER AND INTERFACING PANEL FOR LAHSO CONTROL PANEL.

2 #10 THWN, 1 #12 GND. UPS POWER TO ACE-II UNITS

ADDITIVE ALTERNATE #2 ALCMS - SHEET 1

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NOTES:

- ALL PROPOSED WORK OR ITEMS BEING MODIFIED ARE SHOWN IN BOLD. ALL OTHER ITEMS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY.
- PROPOSED ALCMS RACK SHALL BE SUPPLIED WITH WHEELS. NEW CONTROL SYSTEM SHALL BE OPERATIONAL AND TESTED PRIOR TO THE REMOVAL OF EXISTING PLC CABINET. PROVIDE J-BOX, FLEX CONDUIT AND SUFFICIENT CABLE SLACK REQUIRED FOR ALCMS RACK TO BE OPERATIONAL.
- 3. INSTALL 2-20A, 1-POLE CIRCUIT BREAKERS IN LIGHTING PANEL FOR PROPOSED ALCMS. INSTALL POWER AND CONTROL WIRES BETWEEN INTERFACE CONTROL PAWEL AND A.T.S., BEACON CONTROL, LAHSO CONTROL, L-854 RADIO CONTROLLER AND REIL CONTROLLER PER ALCMS MANUFACTURER.
- INSTALL AND WIRE PROPOSED DCME FOR FUTURE REGULATORS

- RELOCATE EXISTING WALL MOUNTED TRANSFORMER BELOW LAHSO CONTROLLER. MOUNT (2) ACE—II UNITS ON TOP OF EACH OTHER BETWEEN LAHSO AND REIL CONTROLLERS.
- REMOVE EXISTING RECULATOR AND INSTALL PROPOSED REGULATOR. INSTALL PROPOSED POWER AND CONTROL WIRES IN FLEXIBLE CONDUIT. MATCH EXISTING CONDITIONS.
- INSTALL 1-100A, 2-POLE CIRCUIT BREAKER IN EXISTING POWER DISTRIBUTION PANEL.
- 9. INSTALL L-823 CONNECTORS IN HIGH VOLTAGE WIREWAY.

PROPOSED VAULT NOMENCLATU 吊

- EXISTING 30KW (5-STEP) REGULATOR FOR RUNWAY 16/34.
- EXISTING 20KW (5-STEP) REGULATOR FOR RUNWAY
- Y 6/24.
- EXISTING 10KW (5-STEP) REGULATOR FOR RUNWAY 12/30.
- EXISTING 15KW (3-STEP) REGULATOR FOR RGL. EXISTING 10KW (3-STEP) REGULATOR FOR TAXIWAY G,D AND 34 HOLD APRON.
- EXISTING 10 KW (3-STEP) REGULATOR FOR HFC APRON LIGHTING TO BE REMOVED. EXISTING 10 KW (3-STEP) REGULATOR FOR RUNWAY 16 APPROACH LIGHTING.
- PROPOSED 20KW (3-STEP) REGULATOR FOR TAXIWAY A,B,E AND F.

- EXISTING 20 KW (3-STEP) REGULATOR FOR TAXIWAY "K". EXISTING 30 KW (5-STEP) REGULATOR FOR TAXIWAY D, L, Y AND Z.
- EXISTING 10KW (3-STEP) REGULATOR FOR RUNWAY 16/34 RDR.
- EXISTING AUTOMATIC TRANSFER SWITCH. 800A, 480V, 3-POLE.. EXISTING MAIN UTILITY SERVICE CIRCUIT BREAKER DISCONNECT. 800A, 480V...
- EXISTING HIGH VOLTAGE POWER DISTRIBUTION PANEL 480V, 3—PHASE WITH BREAKER. (SEE NOTE 8) $\,$

800AMP MAIN CIRCUIT

EXISTING LOW VOLTAGE LIGHTING PANEL 208Y/120V, 3-PHASE WITH 400AMP BREAKER (SEE NOTE 3). EXISTING 150KVA, 480V-280Y/120V, 3ø, 4-WIRE TRANSFORMER. MAIN CIRCUIT

a 5

- EXISTING PLC CONTROL CABINET TO BE REMOVED.
- EXISTING 800AMP CT CABINET.
- EXISTING GAS FIRED UNIT HEATER.
- EXISTING 12"x12"x12' LONG HIGH VOLTAGE WIREWAY.
- EXISTING 12"X12"x12' LONG LOW VOLTAGE WIREWAY.
- SPACE FOR FUTURE REGULATORS.
- EXISTING 12"x12"x9' LONG HIGH VOLTAGE WIREWAY
- EXISTING 12"x12"x9' LONG LOW VOLTAGE WIREWAY.

- EXISTING L-854 RADIO CONTROLLER FOR PILOT CONTROL LIGHTING.
- EXISTING REIL CONTROL PANEL. (REIL 16, REIL 34, REIL 12, REIL 30)
- EXISTING L884 PCU CONTROLLER FOR LAHSO CIRCUIT IN NEMA 1 ENCLOSURE.
- EXISTING TRANSFORMER TO BE RELOCATED. (SEE EXISTING 10KW (3-STEP) REGULATOR FOR TAXIWAY C. NOTE 6)
- NEW DISTRIBUTED CONTROL AND MONITORING EQUI EXISTING EQUIPMENT PLATE OR WALL. TYPICAL FOR A.T.S., LAHSO AND REIL CONTROLLER (TOTAL OF 3 PMENT (DCME) MOUNTED ON R EACH CCR (TOTAL OF 15),
- NEW (2) 24 AWG, SHIELDED, TWO TWISTED PAIR, REQUIRED BY ALCMS MANUFACTURER IN 1" GRS ACE—II). BELDEN 9842 OR AS CONDUIT (TYPICAL FOR ALL
- NEW 2 #10 THWN, 1 #10 GND. FOR ACE-II UPS ALCMS MANUFACTURER IN 1" GRS CONDUIT (TYPK POWER OR AS REQUIRED BY AL FOR ALL ACE—II).

(3)

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- NEW 4 #12 THWN, 2 #12 GND. IN 1" GRS CONDUIT TO LOW VOLTAGE LIGHTING PANEL (SEE NOTE 3).
- NEW 14 #18 AWG OR AS REQUIRED BY ALCMS IN (TYPICAL FOR ALL CCR'S). 3/4" FLEXIBLE CONDUIT

(3) **(2)**

NEW 1—12 STRAND MULTI—MODE FIBER OPTIC CABLE IN EXISTING CONDUIT TO ATCT. NEW FIBER OPTIC PATCH PANEL AND FIBER OPTIC REQUIRED BY ALCMS MANUFACTURER.

JUMPER CABLES AS

NEW ALCMS RACK (SEE NOTE 2).

(3) (3)

NEW 30KW, 5-STEP, 480 VAC L-828 REGULATOR (SEE NOTE 7) SPARE.

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- NEW 2 #2 THWN, 1 #6 GND. IN EXISTING CONDUIT
- NEW 2 #2 THWN, 1 #6 IN FLEXIBLE CONDUIT.

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NEW 2 #1/C #8, 5KV L-824 AIRFIELD LIGHTING (SEE NOTE 9) CABLE IN FLEXIBLE CONDUIT.

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

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ADDITIVE ALTERNATE #2

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

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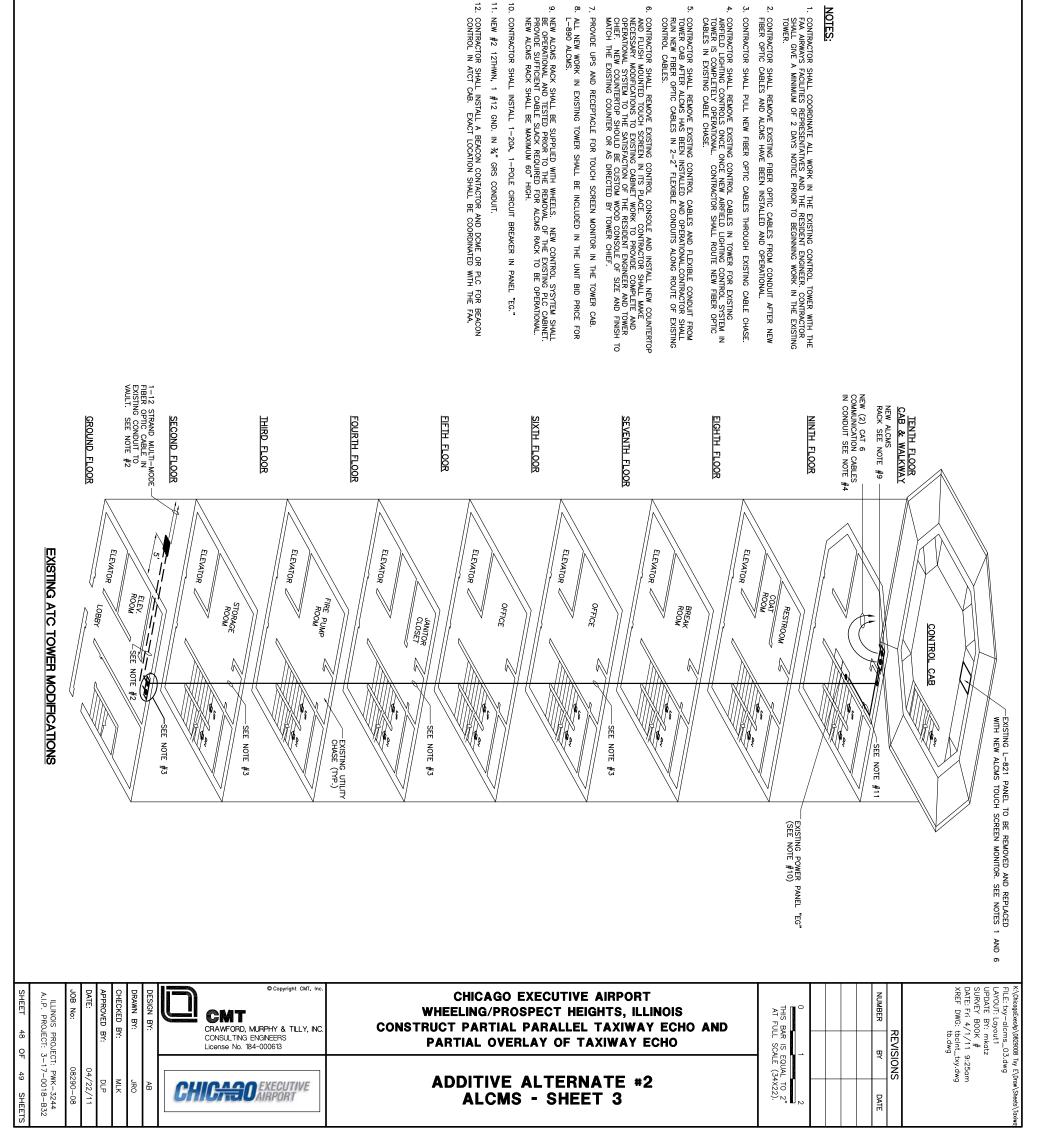
ALCMS - SHEET 2

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

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REVISIONS

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UPDATE BY: Marc Katz
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ADDITIVE ALTERNATE #2

ALCMS - SHEET 3

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NOTES:

DATE

NOTES

- INSTALL NEW DISTRIBUTED CONTROL AND MONITORING EQUIPMENT (ACE-II) ON UNITSTRUT. MATCH EXISTING CONDITIONS. COORDINATE SIZE AND CONDUIT OPENINGS WITH ALCMS MANUFACTURER.
- INSTALL MALE AND FEMALE L-823 CONNECTOR TO CONNECT AIRFIELD LIGHTING CIRCUITS IN HIGH VOLTAGE WIREWAY.

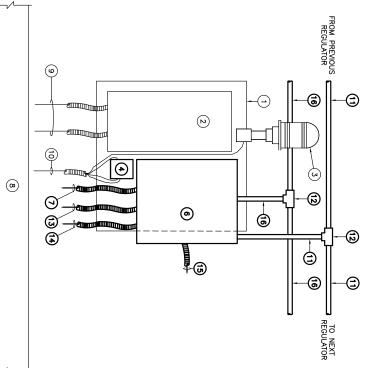
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EQUIPMENT NOMENCLATURE

- EXISTING REGULATOR DISCONNECT SWITCH TO REMAIN.
- EXISTING RUNWAY/TAXIWAY INDICATOR LIGHT TO BE RELOCATED.
- EXISTING S-1 PLUG CUT-OUT TO BE RELOCATED.
- NEW DISTRIBUTED CONTROL AND MONITORING EQUIPMENT (ACE-II) SEE NOTE 1.
- EXISTING LOW VOLTAGE AND HIGH VOLTAGE 12"x12" WIREWAY SEE NOTE 2. NEW DATA/CONTROL CABLES (AS REQUIRED BY ALCMS MANUFACTURER) IN 1" CONDUIT TO EXISTING REGULATOR.
- EXISTING INCOMING AND OUTGOING 600V POWER CABLES IN FLEX CONDUIT TO LOW VOLTAGE WIREWAY.

- EXISTING 4 #8 5KV AIRFIELD LIGHTING CABLES IN FLEX CONDUIT TO HIGH VOLTAGE WIREWAY.
- NEW (2) 24 AWG SHIELDED TWISTED PAIRS IN 1" GRS CONDUIT.
- NEW 1" TX CONDUIT BODY WITH GASKET AND COVER.
- NEW 2 #8 5KV, L-824 TYPE C AIRFIELD LIGHTING CABLES IN 1" FLEX CONDUIT TO HIGH VOLTAGE WIREWAY.
- NEW $2\ \#10$ THWN, $1\ \#12$ GND. IN 3/4" FLEX CONDUIT TO LOW VOLTAGE WIREWAY FOR UPS POWER.
- NEW 2 #8 5KV, L-824 TYPE C CABLES IN 1" FLEX CONDUIT TO S-1 PLUG CUT-OUT.
- NEW 2 #10 THWN, 1 #12 GND. IN 1" GRS CONDUIT.







NOTE:
PROVIDE SUFFICIENT SLACK IN
FLEXIBLE CONDUIT AS REQUIRED FOR
ALCMS RACK TO BE OPERATIONAL
PRIOR TO REMOVAL OF EXISTING PLC
CABINET.

ALCMS RACK

NEW COMMUNICATION JUNCTION BOX

RADIO CONTROLLER

VAULT ALCMS RACK ELEVATION NOT TO SCALE

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CHICAGO EXECUTIVE

CHECKED BY:

JRO MLK DLP

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

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

> **ADDITIVE ALTERNATE #2 ALCMS - SHEET 4**

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