Drawing: Z:\Chicago\ORD\OMP\ALP-DrawingSet\03-ORD-Future.dwg_Layout: ALP-Future_Dec 20, 2002, 3:20pm

FUTURE RUNWAY END COORDINATES (NAD 83/NAVD 88)

RUNWAY	LATITUDE	LONGITUDE	NORTHING	EASTING
4L	41° 58' 53.88"	87° 54' 50.19"	1936176.73	1098278.92
22R	41° 59' 51.21"	87° 53' 46.85"	1942003.03	1103033.36
4R	41° 57' 11.90"	87° 53' 58.00"	1925872.78	1102272.77
22L	41° 58' 11.76"	87° 52' 47.03"	1931960.49	1107603.10
9L	42° 00' 10.20"	87° 55' 36.70"	1943884.26	1094729.90
27R	42° 00' 10.19"	87° 53' 57.36"	1943920.58	1102229.84
9C	41° 59' 17.89"	87° 55' 53.75"	1938583.82	1093467.13
27C	41° 59' 17.89"	87° 53' 24.91"	1938639.49	1104707.20
9R	41° 59' 02.02"	87° 55' 53.66"	1936976.87	1093481.13
27L	41° 59' 02.02"	87° 53' 24.55"	1937032.80	1104742.68
10L	41° 58' 08.38"	87° 55' 53.50"	1931548.04	1093519.19
28R	41° 58' 08.65"	87° 53' 01.39"	1931639.91	1106519.80
10C	41° 57' 56.53"	87° 55' 53.45"	1930348.02	1093528.19
28C	41° 57' 56.75"	87° 53' 33.14"	1930422.98	1104127.92
10R	41° 57' 25.93"	87° 55' 40.30"	1927255.13	1094536.41
28L	41° 57' 26.09"	87° 54' 01.04"	1927308.40	1102036.22

Terminal Area (000 - 400)

101 - Pedestrian Tunnel 1A
102 - Pedestrian Tunnel 1B
110 - Terminal 1, ATS Station (ATS-T1)
111 - Facility Power Substation 1 & 2
112 - Terminal 1, UPS Building
121 - Terminal 1
122 - Concourse B
124 - Concourse A
125 - Terminal 1 Baggage & Pedestrian Tunnel
126 - Concourse C
190 - Post #7 Guardhouse
200 - Terminal 2 (Building #4)
201 - Pedestrian Tunnel 2A

Terminal Area (000 - 400)

202 - Pedestrian Tunnel 2B
203 - Pedestrian Tunnel 2C
204 - Pedestrian Tunnel 2D
205 - Concourse E/F & Concourse E/F Link
206 - Terminal 2, ATS Station (ATS-T2)
207 - Terminal 2, UPS Building
210 - Concourse E
215 - Concourse F
230 - Post #8 Guardhouse
250 - Rotunda (Building #6)
260 - Concourse G (Building #7)
290 - Post #9 Guardhouse
300 - Terminal 3 (Building #8)
303 - Pedestrian Tunnel 3A
304 - Pedestrian Tunnel 3B
305 - Concourse H/K & Concourse H/K Link
306 - Pedestrian Tunnel 3C
307 - Pedestrian Center #7
310 - Concourse H
315 - Concourse K
320 - Concourse L
321 - Traction Power Substation A / Facility Power Substation 3
322 - Terminal 3 UPS Building
323 - Terminal 3 ATS Station (ATS-T3)
324 - International Terminal ATS Station
325 - Terminal 5
330 - Post #10 Guardhouse
400 - FAA Air Traffic Control Tower (Decommissioned in 1996)
402 - New FAA Air Traffic Control Tower / ASDE (1996)

Terminal Area (000-400)

405 - Hilton Hotel
406 - Traction Power Substation B / Facility Power Substation 4
407 - Pump House - Terminal 5
410 - Elevated Parking Structure
411 - Transportation Center Boiler House
412 - Transportation Center
425 - Pump House - Parking Lot (Fire)
427 - Pump House Stairway Enclosure
430 - North Block House
432 - Intake Room #1
437 - Exhaust Room #2
438 - Exhaust Room #1
440 - Intake Room #2
441 - CTA Service Entrance
442 - Bus Dispatch
443 - CTA Air Intake
450 - H & R Building
452 - Chlorine Chemical Storage Building
456 - South Cooling Tower
457 - East Cooling Tower
458 - FAA Microwave Tower and Building
460 - North Cooling Tower
462 - Commonwealth Edison Switchyard
464 - Ameritech Building
466 - Ameritech Garage
472 - City Substation RB-40 Building
474 - CTA Substation
475 - A.R.F.F. #3
480 - Taxiway Bridge Lift Station
490 - Sprinkler Control Room

Southeast Service Area (500)

500 - Post #4A Guardhouse
501 - Salt Storage
502 - Airport Maintenance Complex - AMC
503 - Salt Storage
504 - Gate Gourmet Flight Kitchen
505 - City Glycol & Runway Deicer Facility
506 - AMC Annex
507 - Gas Stand (City)
508 - Central Field Office (CFO) Complex
509 - Post #4 Guardhouse
510 - LYNX / Chicago Air Cargo
511 - Sky Chef Flight Kitchen
513 - BAX Global
514 - Centerpoint (former U.S. Post Office)
515 - DHL and Air Canada
516 - JAL / EVA / BA
517 - Korean Air Cargo
519 - Police (former Burlington Air Express)
521 - Signature Flight Services Terminal
522 - ATS Maintenance & Storage Facility Building / Facility Power Substation 7
523 - Vacant
524 - Commercial Vehicle Holding Area Building
525 - Triturator
526 - Pump Station - Terminal 5
527 - Delta Air Freight
560 - National Car Rental Maintenance
561 - Post #11 Guardhouse
562 - Hertz Car Rental Check-in & Administration
563 - Remote Parking ATS Station
564 - Avis Car Rental Check-in

Southeast Service Area (500)

565 - Traction Power Substation C / Facility Power Substation 5
566 - Hertz Gas Island
567 - Rent-a-Car ATC / UPS Building
568 - Avis Gas Island
569 - Dollar Rent-A-Car
570 - National Car Rental Administration
571 - Facility Power Substation 6
572 - Hertz Car Rental Maintenance
574 - Avis Car Rental Administration & Maintenance
580 - Budget Rent-a-Car Administration
581 - O'Hare Metra Transfer Station
582 - Post #3 Guardhouse (Centerpoint)
583 - AMC Airline Employee Lot Guardhouse

South Cargo Area (600)

600 - U.S. Post Office
601 - Post #5 Guardhouse
602 - A.R.F.F. Station #1
603 - Air Cargo Simulation Facility
604 - South Airfield Lighting Vault
605 - Post #5A Guardhouse
606 - Fueling Station
608 - Electrical Utilities
609 - American Airlines Cargo Building
610 - United Airlines Cargo Building
611 - Federal Express Metroplex Building
612 - Federal Express Freight Building
613 - Northwest Cargo Building
614 - United Parcel Service

South Cargo Area (600)

616 - Lufthansa Cargo Building
617 - Air France Cargo Building
618 - KLM Royal Dutch Cargo Building
619 - Federal Express Guardhouse
620 - Federal Express Fueling System
621 - Federal Express Maintenance Building

Maintenance Hangar Area (700)

700 - Post #1 Guardhouse
701 - DOA Communications Service Center
702 - A.R.F.F. Station #2
703 - A.R.F.F. Training Control Center (Building #1)
704 - A.R.F.F. Training Pump House (Building #2)
705 - Post #2 Guardhouse
706 - Explosive Chamber
708 - Commonwealth Edison Substation
710 - United Airlines Service Center
712 - United Airlines Boiler & Pumphouse
721 - North Airfield Lighting Vault
722 - AAL Fire Pump House
723 - AAL Ground Equipment Maintenance (GEM) Building
724 - AAL Fire Pump House
725 - AAL Maintenance Hangar #2
726 - AAL Triturator
727 - AAL Maintenance Hangar #1
728 - Sanitary Lift Station
732 - AAL Fire Pump House
741 - UAL Flight Kitchen

Maintenance Hangar Area (700)

742 - UAL Flight Kitchen
744 - UAL Ground Equipment Maintenance (GEM) Building
746 - UAL Office and Medical Personnel Building
750 - UAL Hangar 5/5A (Maintenance Facility)
751 - Delta Maintenance Hangar
753 - Pump House
755 - Northwest Maintenance
757 - UAL Maintenance
760 - Northwest-American Maintenance Facility
761 - Ground Run-up Enclosure
762 - Pump House
770 - UAL Maintenance Facility
780 - Continental Airlines Vehicle Maintenance
790 - AGI Building (Lockheed)
795 - Fuel Farm
797 - Fuel Farm Fire Pump House
798 - Airport Repair and Construction (ARC) Complex

Northeast Development Area (800)

800 - Signature Flight Services
891 - City (DOA) Warehouse / Skilled Trade Center

Security Escort Area (900)

901 - Meter House
902 - FAA Remote Transmitter/Receiver C
903 - Bessie Coleman Lift Station
904 - FAA Localizer Transmitter (14L)
905 - FAA Localizer Building Site (14L)

Navaids & Support Area (900)

907 - FAA Localizer Building Site (9L)
908 - FAA Glide Slope Site (27R)
909 - FAA Glide Slope Site (32R)
910 - FAA Localizer Building Site (4L)
912 - United Airlines Reservation Center
913 - United Airlines Credit Union
915 - FAA Glide Slope Site (22R)
921 - Power Vault
922 - FAA Vortac Site
923 - FAA Remote Transmitter / Receiver F
925 - FAA Glide Slope Site (14L)
926 - Meter House
927 - ALS Substation (14L) 32R Localizer Building
928 - FAA Middle Marker (14L)
929 - Canine Patrol Service
930 - FAA Glide Slope Site (9L)
931 - Meter House
932 - Monitor Site
933 - FAA Localizer Building Site (32L)
935 - FAA Glide Slope Site (14R)
936 - Radar Building and Tower
938 - FAA Building (Not Labeled)
940 - FAA Localizer Building Site (27R)
954 - Middle Marker (9R)
956 - FAA Remote Transmitter / Receiver - ORD
957 - FAA Localizer Building Site (22R)
958 - FAA Glide Slope Site (9R)
959 - North Pump Station
961 - Cargo Tunnel, Fan Rooms 1 & 2
962 - FAA Glide Slope Site (32L)
963 - Sump Pump Motor Shed

Navaids & Support Area (900)

964 - FAA Remote Transmitter / Receiver A
966 - FAA Localizer Building Site (14R)
967 - Substation
968 - FAA Localizer Building Site (22L)
971 - Oil Separator #1
973 - Oil Separator #2
975 - AAL - Ground Service Equipment (GSE) Building
976 - FAA Glide Slope Site (4R)
977 - Lake O'Hare Outfall Station
979 - Aeration System Blower House
980 - Oil Separator #3
981 - Pump House
984 - FAA Remote Transmitter / Receiver B
985 - FAA Glide Slope Site (27L)
987 - Lockheed Maintenance Facility
988 - Truck Fuel Stand & Airline Glycol Facility
989 - Super Fuel Satellite
990 - City Warehouse - Berteau Avenue
991 - FAA Glide Slope Site (22L)
992 - FAA Localizer Building Site (9R)
994 - FAA Localizer Building Site (4R)
995 - Northeast Meter House
996 - Southeast Meter House
997 - Daytona Beach Lift Station
998 - Domestic Water Station
999 - LAAS Electronics Shed

Military Area (8000)

8001 - Fire Water Pump Station
8002 - Community Club, Mess

Military Area (8000)

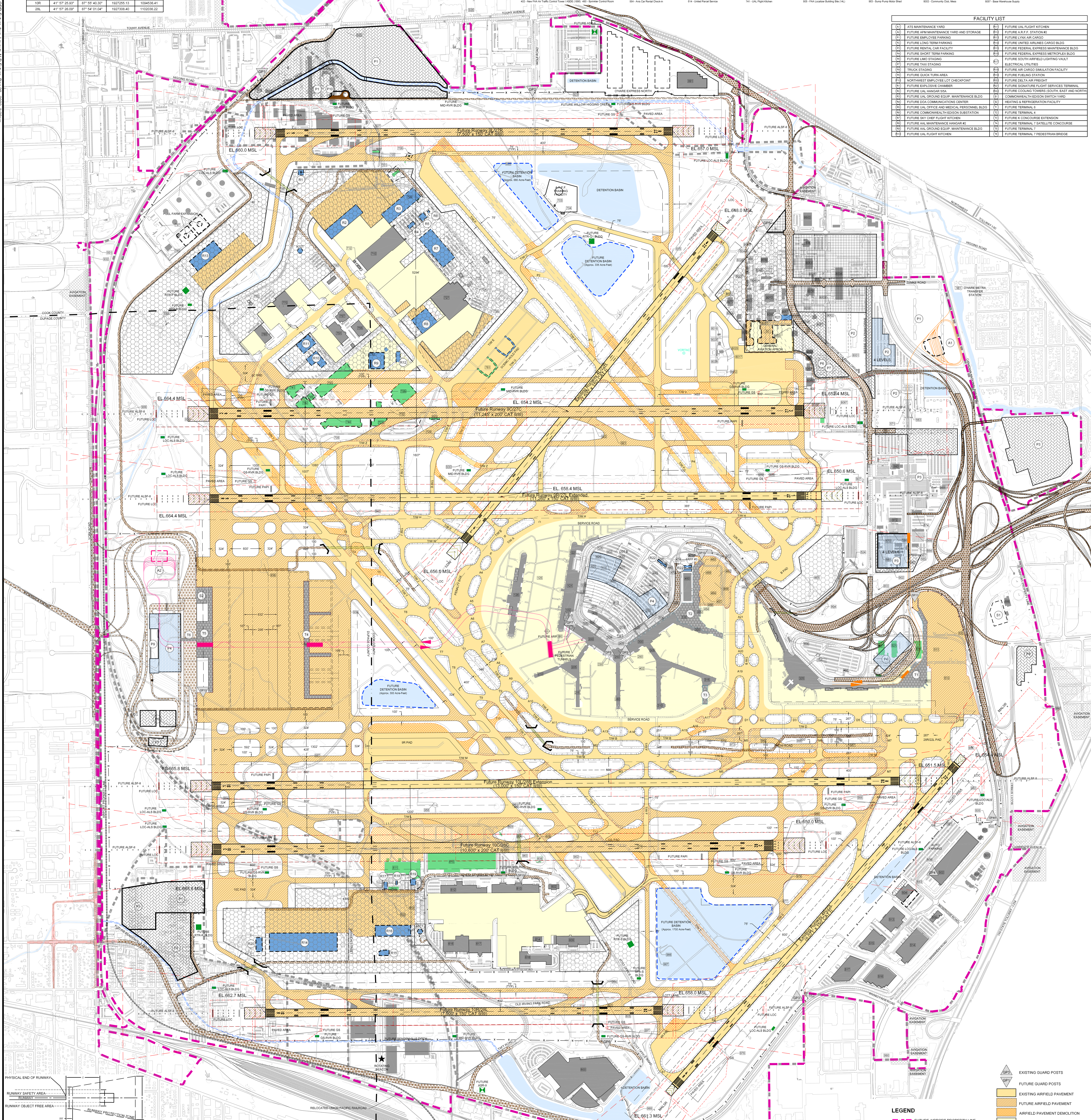
8003 - Reserve Forces G/TNS S
8004 - Administration Offices Non-AFC (DLA)
8007 - Communications Electronics Facility
8010 - 928th Civil Engineering / Maintenance Shop / BX
8012 - Shop A/SE Storage Facility
8017 - Band Center
8018 - ANG Flightline Maintenance Facility
8019 - ANG Hangar Aircraft Maintenance
8023 - ANG Warehouse
8024 - ANG Aerospace Ground Equipment (AGE)
8025 - ANG Security SQ Operations
8026 - ANG Maintenance Shop
8027 - Shop Avionics
8028 - Crew Readiness Facility
8029 - ANG Vehicle Operations Parking Shed
8031 - Shop, Aircraft General Purpose & Corrosion
8032 - Base Warehouse Supply
8033 - Aerospace Ground Equipment (AGE)
8034 - Aircraft Maintenance Facility
8035 - Demolished March 2002
8039 - Dining Hall & Firing Range
8040 - Reserve Forces Operations Training
8041 - Disaster Preparedness
8042 - Reserve Forces G/TNG S
8043 - Fuel Farm Pump House
8044 - Petroleum Operations Building
8050 - Vehicle Maintenance Shop
8051 - Reserve Forces C-E Training
8052 - ANG Warehouse Mobility Supply & Equipment
8056 - Vehicle Operations Heated Parking
8057 - Base Warehouse Supply

Military Area (8000)

8058 - Base Heating Facility
8059 - Non-Destructive Inspection Shop
8060 - 928th Base Operations - Administration Building
8061 - Shop, Survival Equipment
8062 - Aerial Port Training Facility
8063 - Fire Station
8065 - Fuel System Maintenance Dock
8066 - Training Aid Shop (Former Fuel Operations)
8067 - Training Aid Shop (Former LOX Storage)
8070 - Shop Jet Engine Inspection & Maintenance
8072 - Jet Engine Test Stand Building
8074 - ANG Vehicle Maintenance Shop
8075 - ANG Vehicle Parking Shed
8076 - Unheated Base Warehouse Supply & Equipment
8081 - 928th Warehouse Supply & Equipment
8412 - Hazardous Storage
8500 - Reserve Forces Operations Training
8504 - Reserve Comp. Medical Training

FACILITY LIST

A1	ATS MAINTENANCE YARD	R11	FUTURE UAL FLIGHT KITCHEN
A2	FUTURE APM MAINTENANCE YARD AND STORAGE	R12	FUTURE A.R.F.F. STATION #2
P1	FUTURE EMPLOYEE PARKING	R13	FUTURE LYNX AIR CARGO
P2	FUTURE LONG TERM PARKING	R14	FUTURE UNITED AIRLINES CARGO BLDG
P3	FUTURE RENTAL CAR FACILITY	R15	FUTURE FEDERAL EXPRESS MAINTENANCE BLDG
P4	FUTURE SHORT TERM PARKING	R16	FUTURE FEDERAL EXPRESS METROPLEX BLDG
P6	FUTURE LIMO STAGING	R17	FUTURE SOUTH AIRFIELD LIGHTING VAULT ELECTRICAL UTILITIES
P7	FUTURE TAXI STAGING		
P8	TRUCK STAGING	R18	FUTURE AIR CARGO SIMULATION FACILITY
P9	FUTURE QUICK TURN AREA	R19	FUTURE FUELING STATION
P10	NORTHWEST EMPLOYEE LOT CHECKPOINT	R20	FUTURE DELTA AIR FREIGHT
R1	FUTURE EXPLOSIVE CHAMBER	R21	FUTURE SIGNATURE FLIGHT SERVICES TERMINAL
R2	FUTURE UAL HANGAR 5/5A	R22	FUTURE COOLING TOWERS (SOUTH, EAST AND NORTH)
R3	FUTURE UAL GROUND EQUIP. MAINTENANCE BLDG	S1	COMMONWEALTH EDISON SWITCH YARD
R4	FUTURE DOA COMMUNICATIONS CENTER	S2	HEATING & REFRIGERATION FACILITY
R5	FUTURE UAL OFFICE AND MEDICAL PERSONNEL BLDG	T1	FUTURE TERMINAL 6
R6	FUTURE COMMONWEALTH EDISON SUBSTATION	T2	FUTURE TERMINAL 4
R7	FUTURE SKY CHEF FLIGHT KITCHEN	T3	FUTURE K CONCOURSE EXTENSION
R8	FUTURE AAL MAINTENANCE HANGAR #2	T4	FUTURE TERMINAL 7 SATELLITE CONCOURSE
R9	FUTURE AAL GROUND EQUIP. MAINTENANCE BLDG	T5	FUTURE TERMINAL 7
R10	FUTURE UAL FLIGHT KITCHEN	T6	FUTURE TERMINAL 7 PEDESTRIAN BRIDGE



PHYSICAL END OF RUNWAY	
RUNWAY SAFETY AREA	
RUNWAY	
RUNWAY OBJECT FREE AREA	
RUNWAY PROTECTION ZONE	

RUNWAY PROTECTION ZONE TABLE

RUNWAY	APPROACH VISIBILITY MINIMUMS	AIRCRAFT GROUP	END EL. (MSL)	A	B	L	X	Y	Z
9L	600'	D-V	660.0	1,000'	1,750'	2,500'	800'	500'	1,000'
27R	600'	D-V	657.0	1,000'	1,750'	2,500'	800'	500'	1,000'
9C	600'	D-VI	664.4	1,000'	1,750'	2,500'	800'	500'	1,000'
27C	600'	D-VI	652.4	1,000'	1,750'	2,500'	800'	500'	1,000'
9R	600'	D-V	664.4	1,000'	1,750'	2,500'	800'	500'	1,000'
27L	600'	D-V	650.6	1,000'	1,750'	2,500'	800'	500'	1,000'
10L	600'	D-V	665.8	1,000'	1,750'	2,500'	800'	500'	1,000'
28R	600'	D-V	651.5	1,000'	1,750'	2,500'	800'	500'	1,000'
10C	600'	D-VI	665.8	1000'	1,750'	2,500'	800'	500'	1,000'
28C	600'	D-VI	650.0	1,000'	1,750'	2,500'	800'	500'	1,000'
10R	600'	D-V	662.7	1,000'	1,750'	2,500'	800'	500'	1,000'
28L	600'	D-V	658.0	1,000'	1,750'	2,500'	800'	500'	1,000'
4L	1	D-V	655.5	500'	1,010'	1,700'	800'	500'	1,000'
22R	1/2 MILE	D-V	648.0	1,000'	1,750'	2,500'	800'	500'	1,000'
4R	1/2 MILE	D-V	661.3	1,000'	1,750'	2,500'	800'	500'	1,000'
22L	1/2 MILE	D-V	654.4	1,000'	1,750'	2,500'	800'	500'	1,000'

NOTES

1) ALL TAXIWAY LABELS REFER TO EXISTING AIRFIELD ONLY. NO FUTURE TAXIWAY LABELS HAVE BEEN ASSIGNED
2) SPECIFIC SITING FOR FUTURE RELOCATED BUILDINGS MAY VARY WITHIN FUTURE AVIATION DEVELOPMENT AREAS.
3) BUILDING RESTRICTION LINES (BRL) ADJACENT TO TAXIWAYS ARE DEFINED BY OBJECT FREE AREAS (OFA). BRL ADJACENT TO RUNWAYS ARE DEFINED BY PART 77 TRANSITIONAL SURFACE CONTOUR 35' AGL (ABOVE CLOSEST RUNWAY CENTERLINE).
4) THE GRAY BASE MAP SHOWING EXISTING INFORMATION IS BASED ON PRECISE AERIAL PHOTOGRAPHY THAT WAS TAKEN ON NOVEMBER 20, 2001.
5) RUNWAY 10L LANDING DISTANCE AVAILABLE (LDA) = 12,249 FEET
6) RUNWAY 10C LANDING DISTANCE AVAILABLE (LDA) = 10,543 FEET
7) SPECIFIC SITING OF FUTURE UNDERGROUND AUTOMATED PEOPLE MOVER STATIONS AND PEDESTRIAN TUNNELS WILL BE DEFINED AFTER ADDITIONAL ANALYSIS.

LEGEND

- FUTURE AIRPORT PROPERTY LINE
- EXISTING AIRPORT PROPERTY LINE
- COUNTY LINE
- RUNWAY PROTECTION ZONE
- RUNWAY SAFETY AREA
- OBJECT FREE AREA
- AIRCRAFT OPERATIONS AREA (AOA)
- RUNWAY VISIBILITY ZONE
- GLIDE SLOPE CRITICAL AREA
- LOCALIZER CRITICAL AREA
- FUTURE AIRPORT TRANSIT SYSTEM
- AUTOMATED PEOPLE MOVER SYSTEM (UNDERGROUND)
- RELOCATED RAILROAD
- EXISTING GUARD POSTS
- FUTURE GUARD POSTS
- EXISTING AIRFIELD PAVEMENT
- FUTURE AIRFIELD PAVEMENT
- AIRFIELD PAVEMENT DEMOLITION
- EXISTING APRON PAVEMENT
- EXISTING AIRPORT BUILDING
- FUTURE TERMINAL BUILDING
- EXISTING AIRPORT BUILDINGS IN AOA TO BE RELOCATED
- RELOCATED AIRPORT BUILDINGS PREVIOUSLY IN AOA
- FUTURE AIRPORT FACILITY
- FUTURE AVIATION DEVELOPMENT
- FUTURE ROADWAYS
- FUTURE TUNNELS
- FUTURE STRUCTURED PARKING
- FUTURE SURFACE PARKING
- FUTURE COLLATERAL DEVELOPMENT
- CURRENTLY-PLANNED NON-AIRPORT ROADWAY PROJECT

O'Hare Modernization Program

CHICAGO Airport System — O'HARE • MIDWAY • MEIGS • RICHARD M. DALEY, MAYOR

FUTURE AIRPORT LAYOUT PLAN

No	Revisions	Date

O'Hare International Airport

MAGNETIC NORTH DECLINATION = 2.7° W (OCTOBER 30, 2002) — TRUE NORTH — N

0 300 600 1200 GRAPHICAL SCALE IN FEET
ALL DRAWING ELEVATIONS IN FEET

DRAWN BY: TRS
CHECKED BY: FG
PREPARED BY: Ricondo & Associates, Inc.
December 2002
Sheet 3 of 38