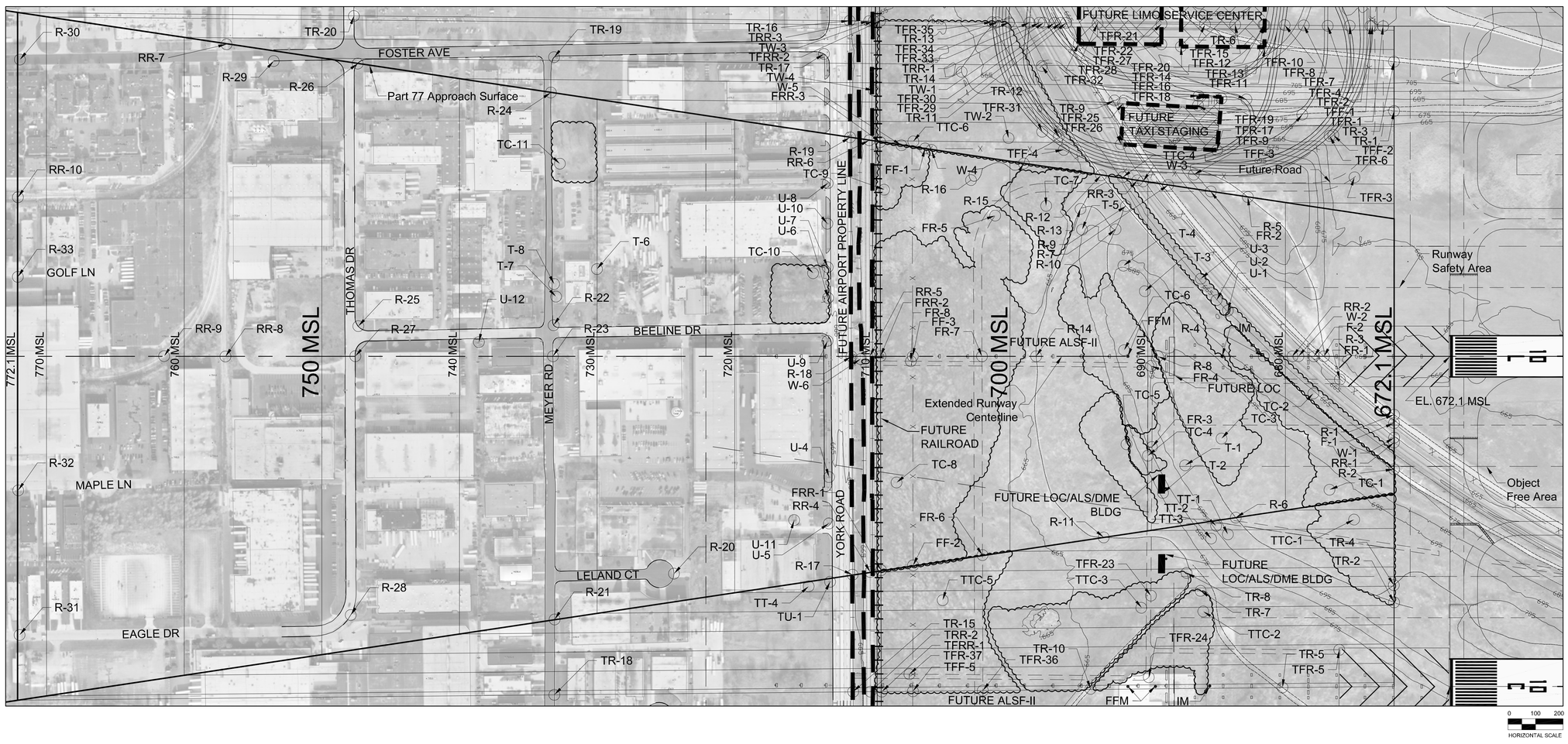
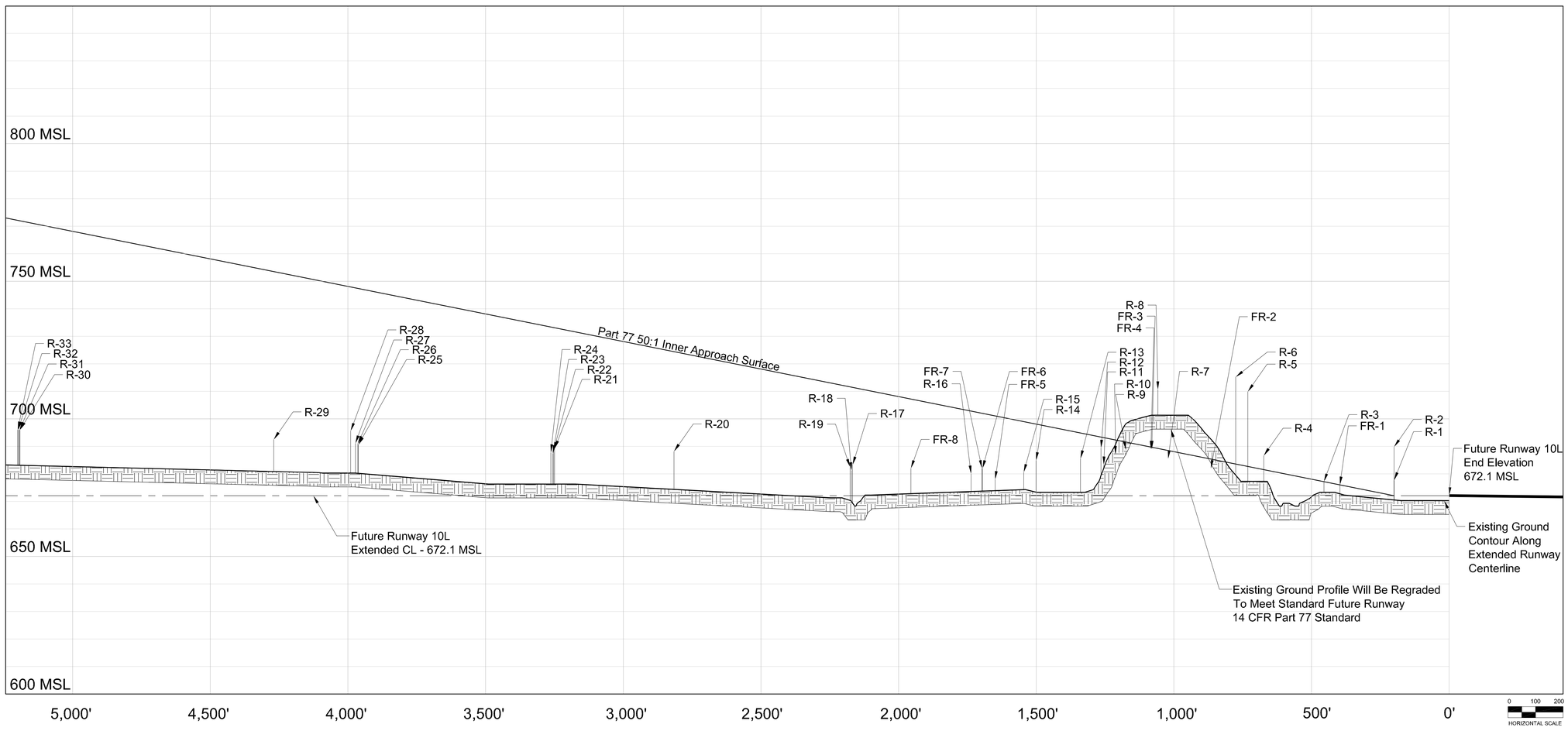
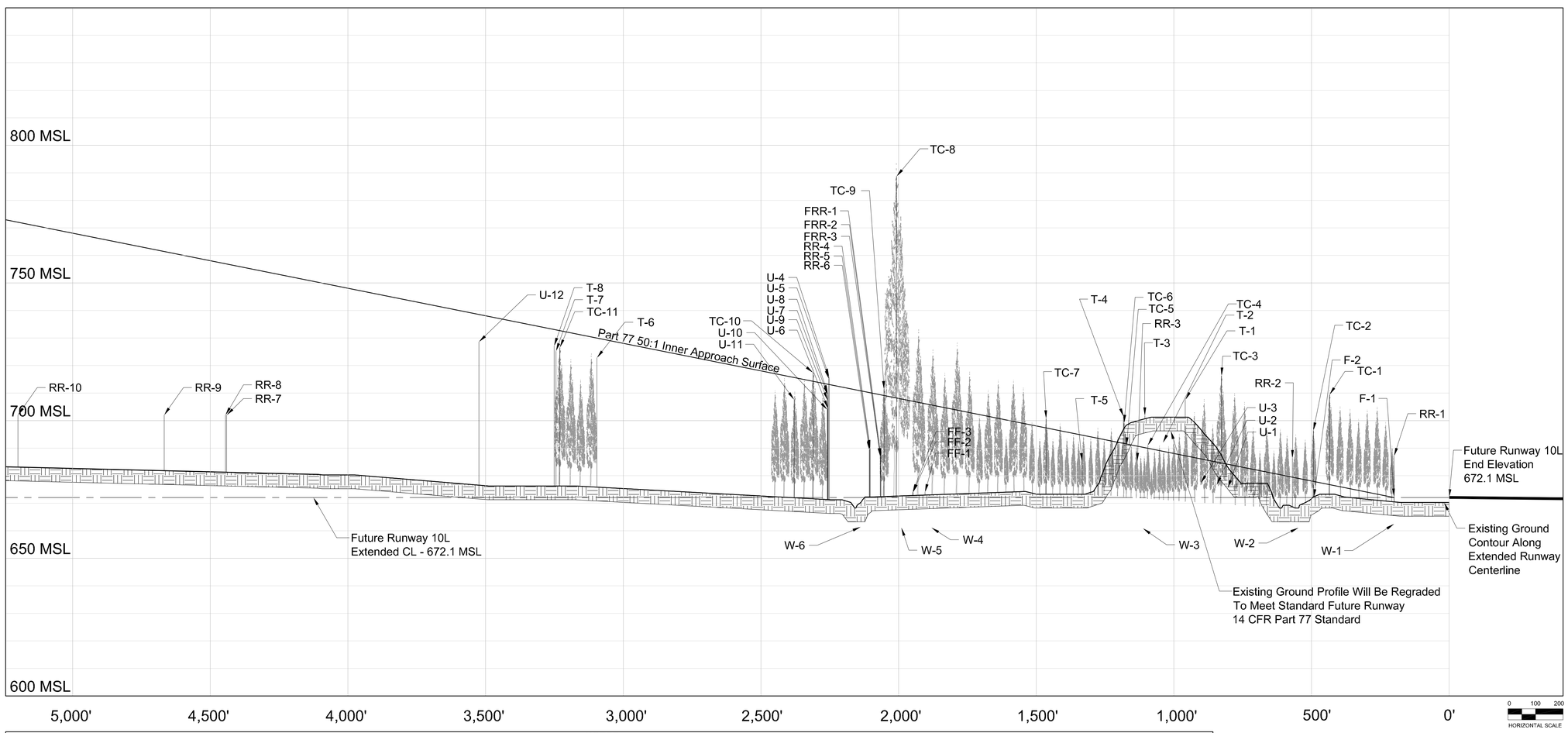
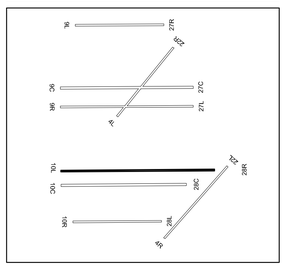






FUTURE AIRFIELD KEY MAP



Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TFF-1	Future-Fence	680.00	-92.10	N/A
TFF-2	Future-Fence	673.00	-42.28	N/A
TFF-3	Future-Fence	680.00	-13.99	N/A
TFF-4	Future-Fence	675.00	-31.17	N/A
TFF-5	Future-Fence	674.00	-98.10	N/A
TFRR-1	Future-Railroad	687.00	-85.10	N/A
TFRR-2	Future-Railroad	688.00	-84.10	N/A
TFR-1	Future-Road	697.00	-75.01	N/A
TFR-2	Future-Road	697.00	-75.10	N/A
TFR-3	Future-Road	678.00	-15.44	N/A
TFR-4	Future-Road	697.00	-75.10	N/A
TFR-5	Future-Road	687.00	-65.79	N/A
TFR-6	Future-Road	684.00	-30.79	N/A
TFR-7	Future-Road	696.00	-75.97	N/A
TFR-8	Future-Road	696.00	-76.06	N/A
TFR-9	Future-Road	696.00	-29.73	N/A
TFR-10	Future-Road	696.00	-76.09	N/A
TFR-11	Future-Road	680.00	-80.00	N/A
TFR-12	Future-Road	680.00	-92.10	N/A
TFR-13	Future-Road	696.00	-76.05	N/A
TFR-14	Future-Road	693.00	-40.32	N/A
TFR-15	Future-Road	696.00	-76.04	N/A
TFR-16	Future-Road	680.00	-53.61	N/A
TFR-17	Future-Road	680.00	-26.77	N/A
TFR-18	Future-Road	680.00	-54.84	N/A
TFR-19	Future-Road	680.00	-50.00	N/A
TFR-20	Future-Road	680.00	-80.41	N/A
TFR-21	Future-Road	680.00	-92.10	N/A
TFR-22	Future-Road	680.00	-81.47	N/A
TFR-23	Future-Road	686.00	-37.67	N/A
TFR-24	Future-Road	687.00	-79.04	N/A
TFR-25	Future-Road	680.00	-50.71	N/A
TFR-26	Future-Road	680.00	-29.41	N/A
TFR-27	Future-Road	693.00	-78.98	N/A
TFR-28	Future-Road	680.00	-81.35	N/A
TFR-29	Future-Road	682.00	-90.10	N/A
TFR-30	Future-Road	681.00	-91.08	N/A
TFR-31	Future-Road	680.00	-35.49	N/A
TFR-32	Future-Road	687.00	-62.60	N/A
TFR-33	Future-Road	677.00	-95.05	N/A
TFR-34	Future-Road	688.00	-84.06	N/A
TFR-35	Future-Road	684.00	-88.10	N/A
TFR-36	Future-Road	680.00	-92.10	N/A
TFR-37	Future-Road	680.00	-83.20	N/A
TRR-1	Railroad	685.48	-86.60	N/A
TRR-2	Railroad	689.98	-82.09	N/A
TRR-3	Railroad	689.36	-82.61	N/A
TR-1	Road	696.03	-32.02	N/A
TR-2	Road	717.34	-11.08	N/A
TR-3	Road	728.66	-25.02	N/A
TR-4	Road	718.35	-1.12	N/A
TR-5	Road	684.60	-87.48	N/A
TR-6	Road	732.01	-40.08	N/A
TR-7	Road	687.12	-34.31	N/A
TR-8	Road	685.56	-26.49	N/A
TR-9	Road	683.52	-48.56	N/A
TR-10	Road	684.81	-86.95	N/A
TR-11	Road	682.09	-90.00	N/A
TR-12	Road	682.46	-30.59	N/A
TR-13	Road	686.05	-86.00	N/A
TR-14	Road	682.41	-63.74	N/A
TR-15	Road	684.63	-87.38	N/A
TR-16	Road	682.45	-89.63	N/A
TR-17	Road	682.73	-72.00	N/A
TR-18	Road	689.90	-82.17	N/A
TR-19	Road	686.59	-65.07	N/A
TR-20	Road	689.39	-82.63	N/A
TT-1	Tree	707.46	15.25	Trim/Remove
TT-2	Tree	703.70	15.95	Trim/Remove
TT-3	Tree	702.42	8.04	Trim/Remove
TT-4	Tree	714.04	-2.99	N/A
TTC-1	Tree Cluster	723.00	37.77	Trim/Remove
TTC-2	Tree Cluster	746.25	14.09	Trim/Remove
TTC-3	Tree Cluster	722.34	-7.59	N/A
TTC-4	Tree Cluster	683.52	-8.82	N/A
TTC-5	Tree Cluster	758.00	33.05	Trim/Remove
TTC-6	Tree Cluster	720.62	10.84	Trim/Remove
TU-1	Utility	713.92	-0.87	N/A
TW-1	Waterway	660.72	-111.37	N/A
TW-2	Waterway	661.15	-50.81	N/A
TW-3	Waterway	663.97	-108.10	N/A
TW-4	Waterway	663.97	-72.15	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
FR-1	Future-Road	676.00	-0.04	N/A
FR-2	Future-Road	682.00	-3.42	N/A
FR-3	Future-Road	689.00	-0.70	N/A
FR-4	Future-Road	689.00	-0.76	N/A
FR-5	Future-Road	678.00	-23.08	N/A
FR-6	Future-Road	682.00	-20.00	N/A
FR-7	Future-Road	682.00	-20.04	N/A
FR-8	Future-Road	682.00	-25.20	N/A
R-1	Road	677.68	5.58	Remove
R-2	Road	689.77	17.67	Remove
R-3	Road	677.18	-0.02	Remove
R-4	Road	686.63	5.05	Remove
R-5	Road	709.84	27.11	Remove
R-6	Road	715.21	31.60	Remove
R-7	Road	685.54	-2.98	N/A
R-8	Road	710.61	21.35	Remove
R-9	Road	688.67	-2.91	N/A
R-10	Road	687.14	-5.20	N/A
R-11	Road	683.31	-9.89	N/A
R-12	Road	689.38	-4.01	N/A
R-13	Road	685.56	-9.32	N/A
R-14	Road	684.88	-13.23	N/A
R-15	Road	680.60	-18.40	N/A
R-16	Road	680.03	-22.81	N/A
R-17	Road	683.30	-28.14	N/A
R-18	Road	681.21	-30.31	N/A
R-19	Road	682.48	-29.14	N/A
R-20	Road	688.16	-36.26	N/A
R-21	Road	689.16	-43.93	N/A
R-22	Road	688.55	-44.61	N/A
R-23	Road	687.43	-45.78	N/A
R-24	Road	687.75	-45.61	N/A
R-25	Road	690.51	-56.83	N/A
R-26	Road	690.94	-56.45	N/A
R-27	Road	691.04	-56.52	N/A
R-28	Road	695.57	-52.33	N/A
R-29	Road	692.50	-60.99	N/A
R-30	Road	696.00	-75.93	N/A
R-31	Road	696.00	-75.96	N/A
R-32	Road	696.00	-76.05	N/A
R-33	Road	696.00	-76.08	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
F-1	Fence	672.35	0.24	Remove
F-2	Fence	672.10	-5.83	Remove
FF-1	Future-Fence	674.00	-32.18	N/A
FF-2	Future-Fence	674.00	-33.05	N/A
FF-3	Future-Fence	674.00	-33.07	N/A
FRR-1	Future-Railroad	687.00	-22.38	N/A
FRR-2	Future-Railroad	687.00	-22.41	N/A
FRR-3	Future-Railroad	687.00	-22.43	N/A
RR-1	Railroad	687.14	15.03	Remove
RR-2	Railroad	686.33	6.85	Remove
RR-3	Railroad	685.33	-5.43	N/A
RR-4	Railroad	689.95	-20.21	N/A
RR-5	Railroad	689.71	-20.48	N/A
RR-6	Railroad	689.39	-20.83	N/A
RR-7	Railroad	702.00	-54.92	N/A
RR-8	Railroad	702.00	-55.00	N/A
RR-9	Railroad	702.00	-59.45	N/A
RR-10	Railroad	702.00	-70.07	N/A
T-1	Tree	707.58	20.30	Remove
T-2	Tree	692.05	3.16	Trim/Remove
T-3	Tree	701.79	11.58	Trim/Remove
T-4	Tree	701.52	9.76	Trim/Remove
T-5	Tree	685.24	-9.53	N/A
T-6	Tree	722.83	-7.18	N/A
T-7	Tree	725.23	-7.75	N/A
T-8	Tree	727.12	-6.00	N/A
TC-1	Tree Cluster	709.40	32.60	Remove
TC-2	Tree Cluster	696.40	18.44	Remove
TC-3	Tree Cluster	716.29	31.65	Remove
TC-4	Tree Cluster	691.04	1.05	Trim/Remove
TC-5	Tree Cluster	690.91	-0.63	N/A
TC-6	Tree Cluster	699.11	7.39	Trim/Remove
TC-7	Tree Cluster	700.76	3.38	Trim/Remove
TC-8	Tree Cluster	788.75	80.50	Trim/Remove
TC-9	Tree Cluster	711.52	2.37	Trim/Remove
TC-10	Tree Cluster	717.42	3.11	Trim/Remove
TC-11	Tree Cluster	726.56	-6.14	N/A
U-1	Utility	675.46	-8.72	Remove
U-2	Utility	676.65	-8.35	Remove
U-3	Utility	677.36	-8.78	Remove
U-4	Utility	715.93	2.78	Remove
U-5	Utility	715.20	2.04	Remove
U-6	Utility	704.44	-8.78	N/A
U-7	Utility	709.27	-3.98	N/A
U-8	Utility	709.92	-3.33	N/A
U-9	Utility	707.41	-5.85	N/A
U-10	Utility	703.96	-9.31	N/A
U-11	Utility	707.62	-8.07	N/A
U-12	Utility	728.59	-10.00	N/A
W-1	Waterway	662.48	-9.62	N/A
W-2	Waterway	661.08	-17.97	N/A
W-3	Waterway	660.88	-29.46	N/A
W-4	Waterway	661.16	-44.55	N/A
W-5	Waterway	661.16	-46.73	N/A
W-6	Waterway	661.41	-49.45	N/A

NOTES

1) WITH THE EXCEPTION OF ROAD, RAIL, AND WATER, ONLY OBJECTS WITH TOP ELEVATIONS LOCATED 10FT BELOW THE PART 77 SURFACE AND HIGHER ARE IDENTIFIED. FUTURE OBJECTS AND ROAD, RAIL AND WATER OBJECT EVALUATION POINTS ARE IDENTIFIED REGARDLESS OF CLEARANCE HEIGHT TO THE PART 77 SURFACE.
2) OBJECTS UNDER THE PART 77 TRANSITIONAL SURFACES ARE ONLY IDENTIFIED IN THE PLAN VIEW. THEY DO NOT APPEAR IN THE APPROACH SURFACE PROFILE VIEW.
3) ALL TOP ELEVATIONS OF ROAD AND RAIL OBJECT EVALUATION POINTS INCLUDE MOBILE OBJECT CLEARANCE HEIGHTS AS DEFINED BY 14 CFR PART 77.
4) FUTURE ROADS AND RAILROADS ARE IDENTIFIED IN THE PLAN AND PROFILE VIEWS. THE LOCATION AND ELEVATION OF FUTURE ROADS AND RAILROADS DEPICTED IS PRELIMINARY AND SUBJECT TO CHANGE. THE ELEVATION OF FUTURE OBJECTS WILL BE DETERMINED DURING THE ENGINEERING/DESIGN PHASE IN ACCORDANCE WITH FAA REQUIREMENTS.
5) FUTURE NAVIGATIONAL AIDS HAVE NOT BEEN ASSESSED AS PART OF THIS ANALYSIS. THE LOCATION AND ELEVATION OF EACH FUTURE SYSTEM COMPONENT DEPICTED ON THIS DRAWING WILL BE COORDINATED, CONTROLLED, AND ULTIMATELY APPROVED BY THE FAA THROUGHOUT THE ENGINEERING DESIGN REVIEW (EDR) AND IMPLEMENTATION PROCESS.
6) IN GENERAL TERMS, OBJECTS WITHIN THE OBJECT FREE AREAS (OFA) ARE TO BE REMOVED. TREES OUTSIDE THE OFA THAT PENETRATE THE PART 77 50:1 SURFACE HAVE THE OPTION TO BE TRIMMED OR REMOVED AND ARE LISTED AS "TRIM/REMOVE". GENERALLY, BUILDINGS WITHIN THE RUNWAY PROTECTION ZONES (RPZ) AND WITHIN AIRPORT PROPERTY ARE ALSO SLATED TO BE REMOVED. ALL OTHER OBJECTS WITHIN AIRPORT PROPERTY THAT DO NOT PENETRATE THE APPROACH SURFACE MAY BE REMOVED FOR OTHER PURPOSES, HOWEVER FOR PURPOSES OF THE APPROACH DRAWINGS THEY ARE LISTED AS NOT APPLICABLE "N/A". THE RESOLUTION FOR OBJECTS OUTSIDE AIRPORT PROPERTY THAT PENETRATE THE PART 77 50:1 SURFACE IS THE PLACEMENT OF AN OBSTRUCTION LIGHT (OL) ON THE OBJECT.
7) SOURCE: O'HARE INTERNATIONAL AIRPORT PHOTOGRAMMETRY, MARTINEZ CORPORATION, NOVEMBER 20, 2001.

LEGEND

TREE CLUSTER - PLAN VIEW (NOTE: Circle represents the maximum penetration in the cluster)

TREE CLUSTER - PROFILE VIEW (NOTE: Vertical line represents the maximum penetration in the cluster)

Rosemarie S. Andolino
Executive Director

John A. Roberson
Commissioner

FUTURE RUNWAY 10L INNER APPROACH SURFACE

No	Revisions	Date

O'Hare International Airport

MAGNETIC NORTH DECLINATION = 2.8° W (AUGUST 1, 2005)
TRUE NORTH

DRAWN BY: MNT
CHECKED BY: FG
PREPARED BY: Ricondo & Associates, Inc.
September 2005
Sheet 27 of 56

Drawing: Z:\Chicago\ORD\OMP\ALP-DrawingSet-FINAL-2005 \ALP Set\27-10L-Obstructions.dwg_Layout: 10L_Sep 19, 2005, 2:02pm