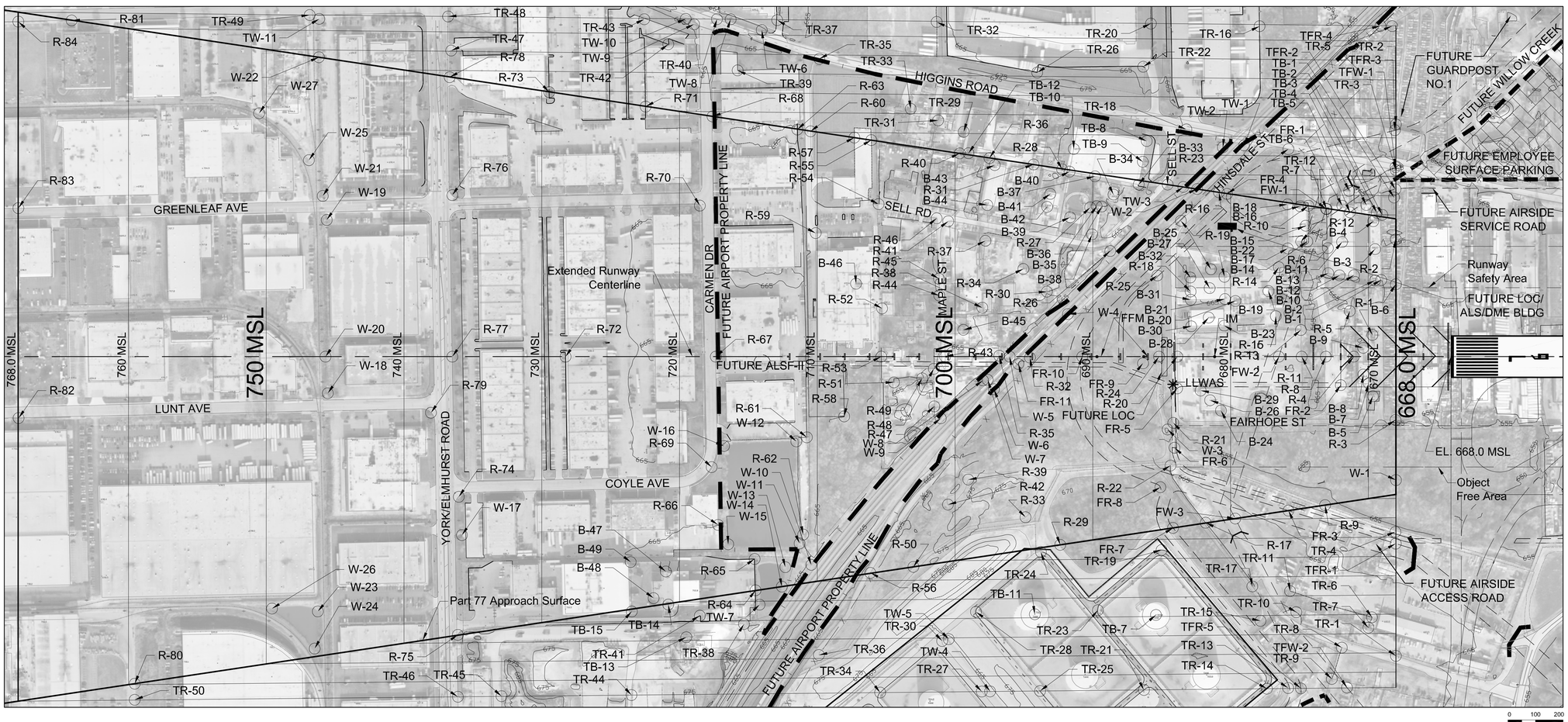
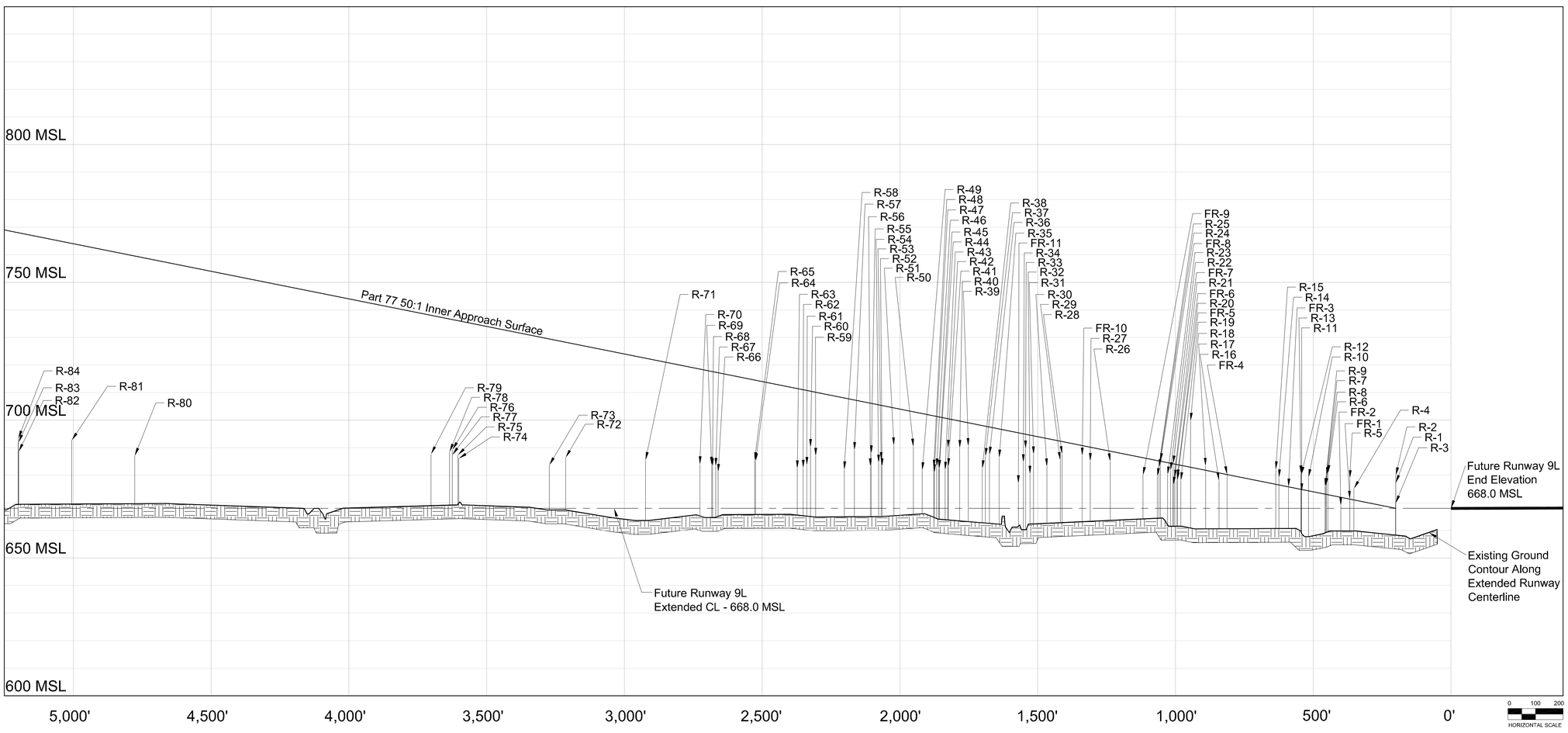
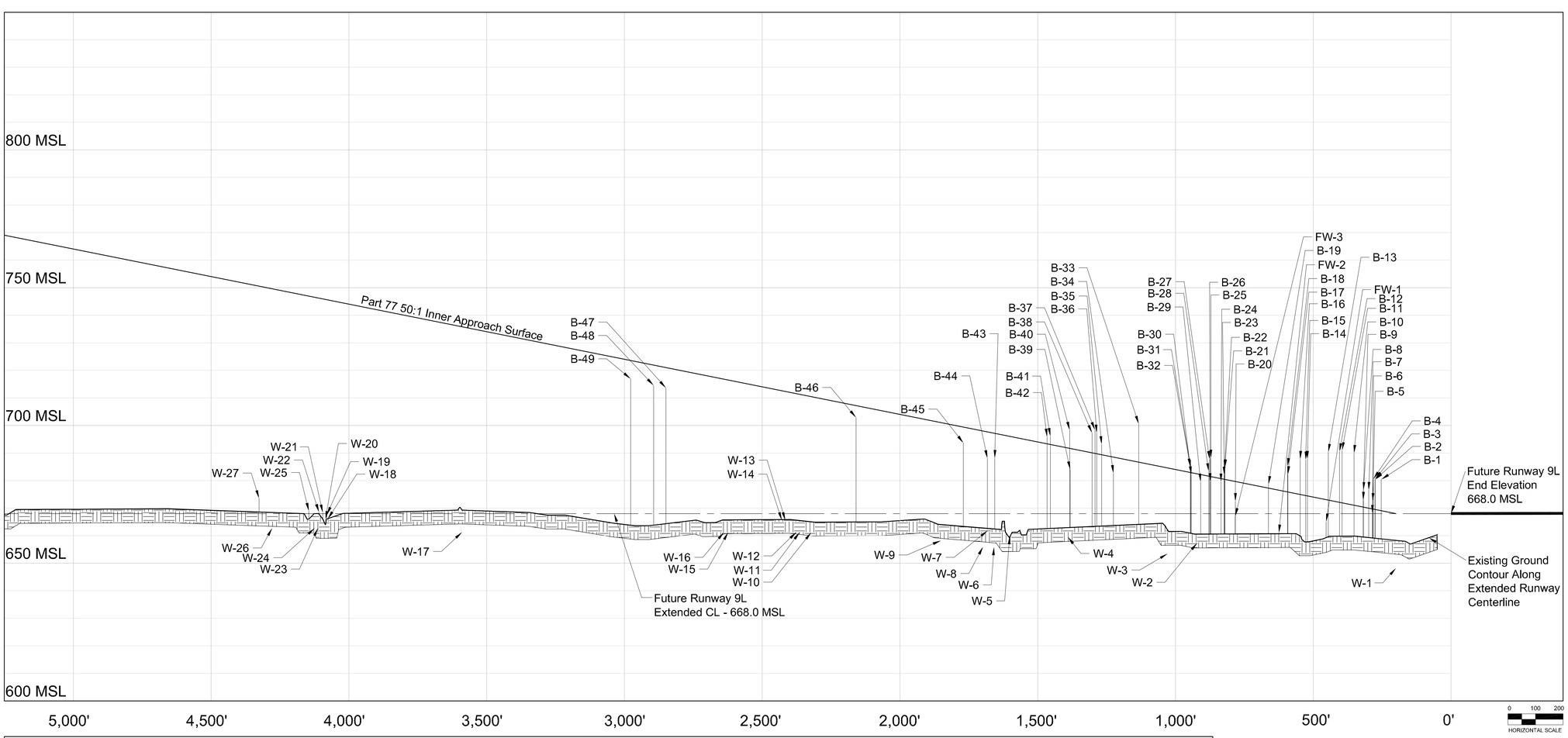


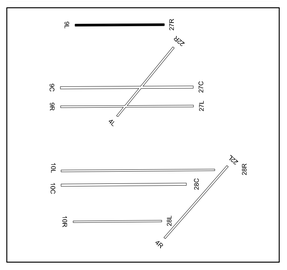




NOTES

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.

FUTURE AIRFIELD KEY MAP



Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TB-1	Building	688.32	9.23	Remove
TB-2	Building	679.92	9.93	Remove
TB-3	Building	674.64	3.57	Remove
TB-4	Building	686.85	11.79	Remove
TB-5	Building	685.76	3.56	Remove
TB-6	Building	689.65	15.15	Remove
TB-7	Building	723.05	-6.12	N/A
TB-8	Building	701.04	-5.98	Remove
TB-9	Building	700.21	3.94	Remove
TB-10	Building	697.31	-5.25	Remove
TB-11	Building	721.71	-6.51	N/A
TB-12	Building	696.34	-3.46	N/A
TB-13	Building	776.33	38.05	Remove
TB-14	Building	713.52	-7.77	N/A
TB-15	Building	716.77	-7.91	N/A
TFR-1	Future-Road	678.00	-15.46	N/A
TFR-2	Future-Road	683.00	-0.30	N/A
TFR-3	Future-Road	687.00	-26.95	N/A
TFR-4	Future-Road	678.00	-89.86	N/A
TFR-5	Future-Road	688.00	-80.00	N/A
TFW-1	Future-Water	665.00	-29.86	N/A
TFW-2	Future-Water	670.00	-97.84	N/A
TR-1	Road	684.28	-67.37	N/A
TR-2	Road	681.54	-35.42	N/A
TR-3	Road	681.82	-11.42	N/A
TR-4	Road	676.00	-11.40	N/A
TR-5	Road	678.33	-89.55	N/A
TR-6	Road	685.39	-46.13	N/A
TR-7	Road	686.17	-50.71	N/A
TR-8	Road	686.38	-60.71	N/A
TR-9	Road	691.71	-71.56	N/A
TR-10	Road	686.11	-42.36	N/A
TR-11	Road	693.33	-24.22	N/A
TR-12	Road	678.86	-24.76	N/A
TR-13	Road	689.27	-78.48	N/A
TR-14	Road	687.52	-80.48	N/A
TR-15	Road	687.35	-45.44	N/A
TR-16	Road	676.09	-91.03	N/A
TR-17	Road	691.44	-23.46	N/A
TR-18	Road	681.38	-31.89	N/A
TR-19	Road	687.26	-8.31	N/A
TR-20	Road	679.98	-87.95	N/A
TR-21	Road	687.50	-80.50	N/A
TR-22	Road	679.48	-66.04	N/A
TR-23	Road	687.71	-38.71	N/A
TR-24	Road	687.01	-8.94	N/A
TR-25	Road	687.29	-80.71	N/A
TR-26	Road	682.76	-59.21	N/A
TR-27	Road	679.23	-88.77	N/A
TR-28	Road	686.93	-39.74	N/A
TR-29	Road	688.85	-22.00	N/A
TR-30	Road	680.81	-60.76	N/A
TR-31	Road	690.54	-26.09	N/A
TR-32	Road	687.38	-80.28	N/A
TR-33	Road	689.72	-32.81	N/A
TR-34	Road	680.74	-87.25	N/A
TR-35	Road	685.28	-62.67	N/A
TR-36	Road	687.42	-60.76	N/A
TR-37	Road	683.54	-84.27	N/A
TR-38	Road	683.98	-47.77	N/A
TR-39	Road	684.23	-57.31	N/A
TR-40	Road	680.42	-87.55	N/A
TR-41	Road	685.76	-41.44	N/A
TR-42	Road	684.15	-70.59	N/A
TR-43	Road	684.17	-83.38	N/A
TR-44	Road	685.44	-82.56	N/A
TR-45	Road	686.08	-81.83	N/A
TR-46	Road	687.76	-80.24	N/A
TR-47	Road	686.20	-64.15	N/A
TR-48	Road	686.35	-81.62	N/A
TR-49	Road	689.53	-78.46	N/A
TR-50	Road	687.00	-80.87	N/A
TW-1	Waterway	657.72	-47.56	N/A
TW-2	Waterway	658.18	-46.02	N/A
TW-3	Waterway	657.65	-25.78	N/A
TW-4	Waterway	660.93	-107.04	N/A
TW-5	Waterway	661.46	-79.23	N/A
TW-6	Waterway	662.02	-100.52	N/A
TW-7	Waterway	665.56	-56.25	N/A
TW-8	Waterway	660.23	-107.71	N/A
TW-9	Waterway	661.47	-103.73	N/A
TW-10	Waterway	663.03	-104.93	N/A
TW-11	Waterway	669.00	-97.05	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
FR-1	Future-Road	671.30	-0.04	N/A
FR-2	Future-Road	669.00	-3.00	N/A
FR-3	Future-Road	675.80	0.00	N/A
FR-4	Future-Road	680.25	-0.01	N/A
FR-5	Future-Road	678.00	-5.88	N/A
FR-6	Future-Road	679.00	-5.07	N/A
FR-7	Future-Road	684.10	-0.08	N/A
FR-8	Future-Road	685.00	-0.10	N/A
FR-9	Future-Road	680.00	-6.36	N/A
FR-10	Future-Road	687.00	-3.77	N/A
FR-11	Future-Road	677.00	-18.41	N/A
R-1	Road	677.18	9.17	Remove
R-2	Road	679.91	11.90	Remove
R-3	Road	669.78	1.75	Remove
R-4	Road	675.12	4.06	Remove
R-5	Road	678.87	7.52	Remove
R-6	Road	680.68	7.74	Remove
R-7	Road	680.00	6.96	Remove
R-8	Road	676.00	2.91	Remove
R-9	Road	676.00	2.85	Remove
R-10	Road	679.21	4.87	Remove
R-11	Road	674.10	-0.74	Remove
R-12	Road	680.10	5.22	Remove
R-13	Road	680.58	5.68	Remove
R-14	Road	679.10	2.60	Remove
R-15	Road	682.03	5.31	Remove
R-16	Road	678.02	-2.83	N/A
R-17	Road	683.31	1.50	Remove
R-18	Road	699.66	16.75	Remove
R-19	Road	678.09	-5.52	N/A
R-20	Road	679.10	-4.77	Remove
R-21	Road	676.46	-7.70	Remove
R-22	Road	681.73	-2.63	Remove
R-23	Road	680.18	-4.39	N/A
R-24	Road	682.84	-2.35	N/A
R-25	Road	679.60	-5.72	N/A
R-26	Road	684.96	-3.77	N/A
R-27	Road	685.06	-5.13	N/A
R-28	Road	687.59	-4.64	N/A
R-29	Road	685.45	-6.92	N/A
R-30	Road	683.13	-10.21	N/A
R-31	Road	687.47	-6.84	N/A
R-32	Road	680.44	-14.12	N/A
R-33	Road	689.58	-5.30	N/A
R-34	Road	684.62	-10.43	N/A
R-35	Road	686.32	-10.47	N/A
R-36	Road	687.34	-10.16	N/A
R-37	Road	686.89	-10.90	N/A
R-38	Road	682.43	-15.60	N/A
R-39	Road	690.46	-8.58	N/A
R-40	Road	689.82	-9.85	N/A
R-41	Road	683.16	-17.33	N/A
R-42	Road	689.82	-10.69	N/A
R-43	Road	681.88	-18.84	N/A
R-44	Road	682.58	-18.56	N/A
R-45	Road	682.46	-18.71	N/A
R-46	Road	683.11	-18.22	N/A
R-47	Road	680.96	-20.56	N/A
R-48	Road	682.65	-18.90	N/A
R-49	Road	681.74	-20.64	N/A
R-50	Road	690.29	-12.73	N/A
R-51	Road	690.75	-13.69	N/A
R-52	Road	683.16	-22.14	N/A
R-53	Road	685.42	-19.94	N/A
R-54	Road	684.48	-21.08	N/A
R-55	Road	687.89	-18.18	N/A
R-56	Road	683.17	-22.98	N/A
R-57	Road	689.04	-18.26	N/A
R-58	Road	682.03	-26.02	N/A
R-59	Road	686.97	-23.15	N/A
R-60	Road	690.12	-20.37	N/A
R-61	Road	683.64	-27.12	N/A
R-62	Road	682.60	-28.43	N/A
R-63	Road	682.41	-29.04	N/A
R-64	Road	685.01	-29.47	N/A
R-65	Road	685.37	-29.17	N/A
R-66	Road	681.11	-36.09	N/A
R-67	Road	683.26	-34.11	N/A
R-68	Road	683.18	-34.42	N/A
R-69	Road	683.70	-33.97	N/A
R-70	Road	683.90	-34.62	N/A
R-71	Road	685.45	-37.01	N/A
R-72	Road	686.40	-41.87	N/A
R-73	Road	683.70	-45.76	N/A
R-74	Road	686.04	-49.98	N/A
R-75	Road	687.32	-48.76	N/A
R-76	Road	689.23	-47.26	N/A
R-77	Road	687.42	-49.07	N/A
R-78	Road	688.50	-48.19	N/A
R-79	Road	687.63	-50.41	N/A
R-80	Road	687.00	-72.54	N/A
R-81	Road	692.66	-71.46	N/A
R-82	Road	688.53	-79.44	N/A
R-83	Road	691.88	-76.11	N/A
R-84	Road	693.26	-74.73	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
B-1	Building	680.40	11.32	Remove
B-2	Building	680.31	10.80	Remove
B-3	Building	680.55	11.03	Remove
B-4	Building	680.51	10.86	Remove
B-5	Building	672.43	2.75	Remove
B-6	Building	668.11	-1.59	Remove
B-7	Building	676.49	6.52	Remove
B-8	Building	676.40	6.04	Remove
B-9	Building	672.89	2.52	Remove
B-10	Building	689.92	18.87	Remove
B-11	Building	690.91	19.00	Remove
B-12	Building	690.53	18.43	Remove
B-13	Building	690.30	17.38	Remove
B-14	Building	687.76	13.33	Remove
B-15	Building	687.53	12.98	Remove
B-16	Building	687.74	12.79	Remove
B-17	Building	682.22	6.37	Remove
B-18	Building	685.14	9.28	Remove
B-19	Building	678.62	1.37	Remove
B-20	Building	672.45	-7.20	Remove
B-21	Building	684.67	4.25	Remove
B-22	Building	684.38	3.93	Remove
B-23	Building	682.03	1.56	Remove
B-24	Building	679.49	-1.21	Remove
B-25	Building	688.21	6.78	Remove
B-26	Building	679.67	-1.82	Remove
B-27	Building	687.72	6.19	Remove
B-28	Building	683.31	1.72	Remove
B-29	Building	679.51	-2.67	Remove
B-30	Building	682.12	-0.73	Remove
B-31	Building	684.47	1.58	Remove
B-32	Building	684.97	2.05	Remove
B-33	Building	700.52	13.85	Remove
B-34	Building	682.60	-5.90	Remove
B-35	Building	693.11	3.76	Remove
B-36	Building	697.28	7.56	Remove
B-37	Building	698.33	8.49	Remove
B-38	Building	697.22	7.16	Remove
B-39	Building	683.97	-7.68	Remove
B-40	Building	698.34	6.65	Remove
B-41	Building	696.07	2.98	Remove
B-42	Building	695.78	2.46	Remove
B-43	Building	688.10	-9.02	Remove
B-44	Building	688.04	-9.62	Remove
B-45	Building	693.62	-5.78	Remove
B-46	Building	702.85	-4.34	Remove
B-47	Building	713.60	-7.39	N/A
B-48	Building	714.53	-7.36	N/A
B-49	Building	716.93	-6.61	N/A
FW-1	Future-Water	665.00	-8.07	N/A
FW-2	Future-Water	661.00	-15.50	N/A
FW-3	Future-Water	667.00	-12.66	N/A
W-1	Waterway	648.22	-19.78	N/A
W-2	Waterway	657.36	-25.07	N/A
W-3	Waterway	653.46	-31.11	N/A
W-4	Waterway	659.51	-32.30	N/A
W-5	Waterway	659.88	-36.16	N/A
W-6	Waterway	655.89	-41.29	N/A
W-7	Waterway	661.83	-35.80	N/A
W-8	Waterway	655.94	-42.04	N/A
W-9	Waterway	658.22	-42.81	N/A
W-10	Waterway	661.18	-49.25	N/A
W-11	Waterway	661.26	-50.02	N/A
W-12	Waterway	661.26	-50.26	N/A
W-13	Waterway	665.56	-46.76	N/A
W-14	Waterway	665.56	-47.01	N/A
W-15	Waterway	661.26	-55.20	N/A
W-16	Waterway	661.26	-55.51	N/A
W-17	Waterway	661.28	-74.52	N/A
W-18	Waterway	666.06	-79.46	N/A
W-19	Waterway	667.51	-78.10	N/A
W-20	Waterway	665.95	-79.75	N/A
W-21	Waterway	668.31	-77.58	N/A
W-22	Waterway	668.51	-77.66	N/A
W-23	Waterway	662.73	-83.52	N/A
W-24	Waterway	662.72	-83.76	N/A
W-25	Waterway	668.91	-78.00	N/A
W-26	Waterway	662.73	-86.85	N/A
W-27	Waterway	673.54	-76.97	N/A

O'Hare Modernization Program
Rosemarie S. Andolino
Executive Director

CHICAGO AIRPORT SYSTEM
John A. Roberson
Commissioner

FUTURE RUNWAY 9L INNER APPROACH SURFACE (2 of 2)

No	Revisions	Date

O'Hare International Airport

MAGNETIC NORTH DECLINATION 4°2.8' W (AUGUST 1, 2005)
N
TRUE NORTH

DRAWN BY: MNT
CHECKED BY: FG
PREPARED BY: Ricondo & Associates, Inc.
September 2005
Sheet 19 of 56

Drawing: Z:\Chicago\ORD\OMP\ALP-DrawingSet-FINAL-2005 \ALP Set\19-9L-Obstructions (2 of 2).dwg_Layout: 9L_Sep 19, 2005, 1:11pm