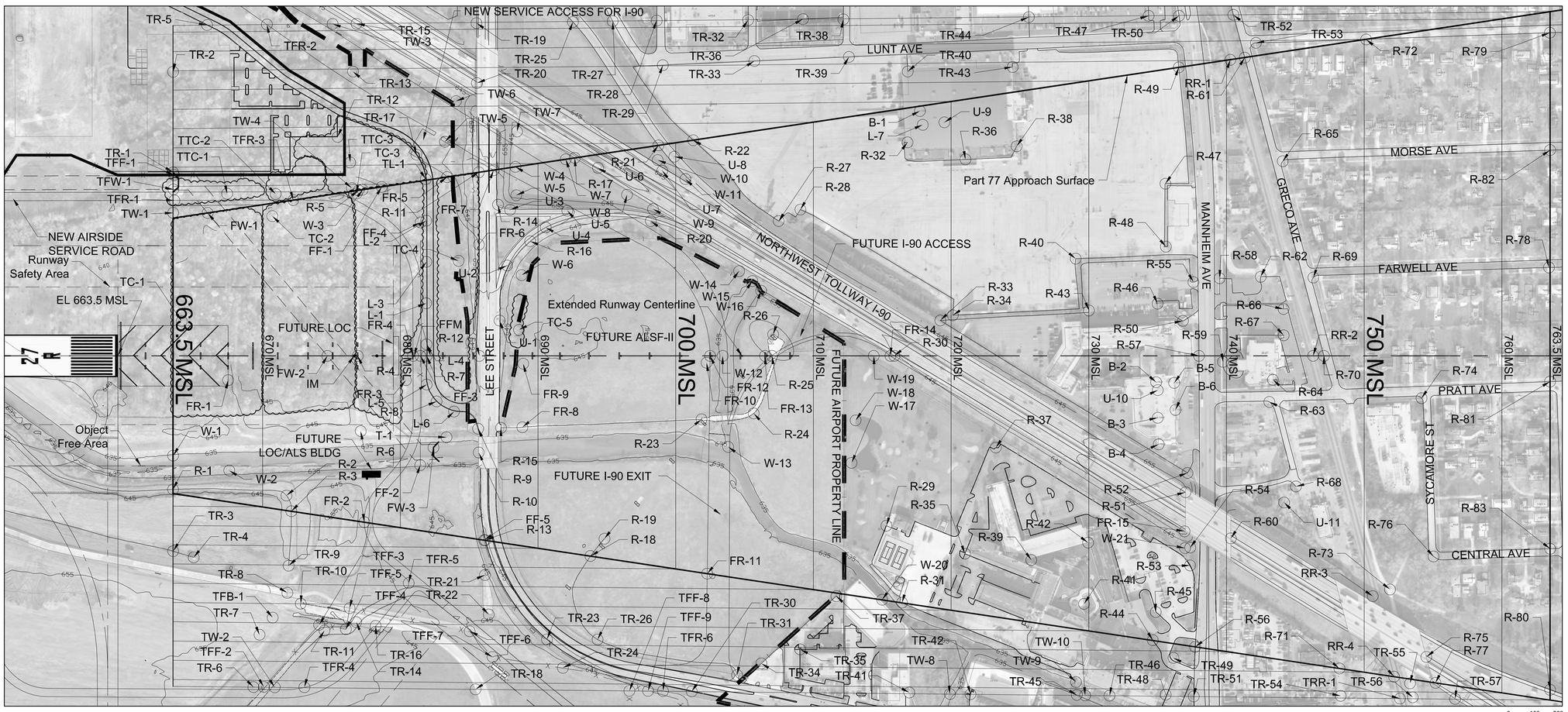
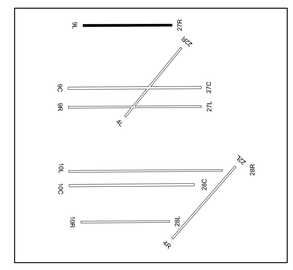


FUTURE AIRFIELD KEY MAP

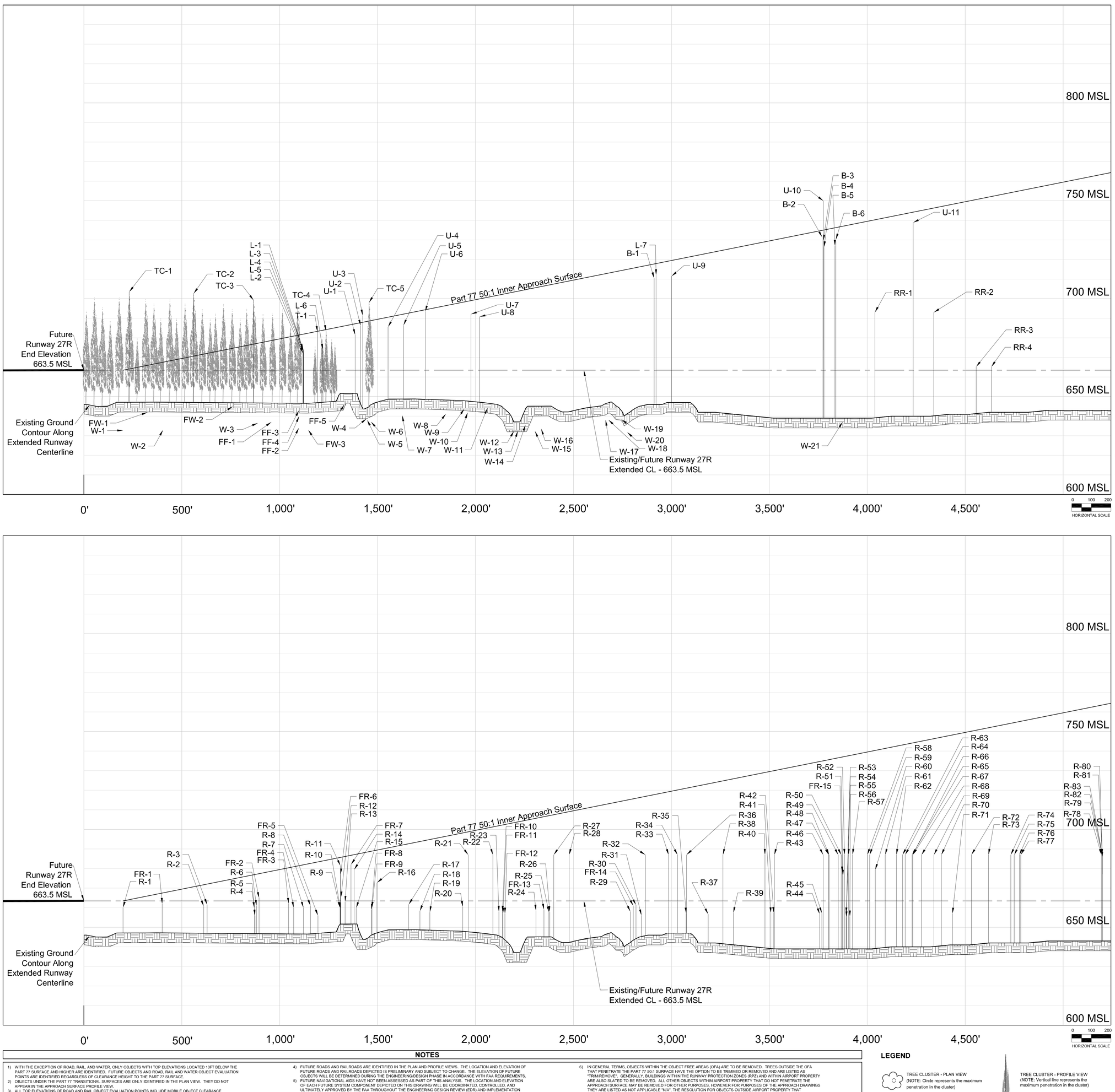


Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TFB-1	Future-Building	665.00	-62.36	N/A
TFF-1	Future-Fence	641.00	-44.84	N/A
TFF-2	Future-Fence	657.22	-106.11	N/A
TFF-3	Future-Fence	656.39	-74.47	N/A
TFF-4	Future-Fence	653.71	-79.29	N/A
TFF-5	Future-Fence	653.58	-68.48	N/A
TFF-6	Future-Fence	657.30	-76.13	N/A
TFF-7	Future-Fence	654.71	-91.93	N/A
TFF-8	Future-Fence	649.63	-113.87	N/A
TFF-9	Future-Fence	642.00	-121.39	N/A
TFR-1	Future-Road	656.00	-16.72	N/A
TFR-2	Future-Road	658.00	-105.55	N/A
TFR-3	Future-Road	657.00	-15.24	N/A
TFR-4	Future-Road	664.00	-99.28	N/A
TFR-5	Future-Road	662.00	-46.70	N/A
TFR-6	Future-Road	659.00	-104.40	N/A
TFW-1	Future-Water	641.00	-37.44	N/A
TL-1	Light	672.00	-10.48	N/A
TRR-1	Railroad	665.08	-98.42	N/A
TR-1	Road	658.00	-29.29	N/A
TR-2	Road	656.46	-83.00	N/A
TR-3	Road	670.08	-23.30	N/A
TR-4	Road	669.94	-26.56	N/A
TR-5	Road	659.00	-104.50	N/A
TR-6	Road	664.00	-99.50	N/A
TR-7	Road	667.00	-69.32	N/A
TR-8	Road	664.54	-49.88	N/A
TR-9	Road	663.02	-37.29	N/A
TR-10	Road	662.44	-57.51	N/A
TR-11	Road	663.54	-70.27	N/A
TR-12	Road	657.00	-47.80	N/A
TR-13	Road	659.35	-79.29	N/A
TR-14	Road	662.04	-67.21	N/A
TR-15	Road	664.34	-99.06	N/A
TR-16	Road	662.07	-69.00	N/A
TR-17	Road	655.00	-40.19	N/A
TR-18	Road	660.38	-103.12	N/A
TR-19	Road	687.00	-76.13	N/A
TR-20	Road	686.27	-45.76	N/A
TR-21	Road	660.06	-44.07	N/A
TR-22	Road	660.63	-63.96	N/A
TR-23	Road	663.95	-73.29	N/A
TR-24	Road	669.32	-82.61	N/A
TR-25	Road	687.00	-76.21	N/A
TR-26	Road	659.25	-77.80	N/A
TR-27	Road	687.00	-76.41	N/A
TR-28	Road	687.00	-76.50	N/A
TR-29	Road	687.00	-53.36	N/A
TR-30	Road	659.41	-104.09	N/A
TR-31	Road	658.43	-96.33	N/A
TR-32	Road	687.00	-76.30	N/A
TR-33	Road	687.00	-54.99	N/A
TR-34	Road	658.00	-90.56	N/A
TR-35	Road	657.03	-84.05	N/A
TR-36	Road	687.00	-76.50	N/A
TR-37	Road	655.31	-57.98	N/A
TR-38	Road	687.00	-76.18	N/A
TR-39	Road	687.00	-56.69	N/A
TR-40	Road	687.00	-48.75	N/A
TR-41	Road	656.63	-106.30	N/A
TR-42	Road	655.83	-107.64	N/A
TR-43	Road	687.00	-50.56	N/A
TR-44	Road	687.00	-76.36	N/A
TR-45	Road	653.15	-110.13	N/A
TR-46	Road	656.10	-107.40	N/A
TR-47	Road	687.00	-76.40	N/A
TR-48	Road	656.24	-106.45	N/A
TR-49	Road	656.06	-67.53	N/A
TR-50	Road	687.00	-76.26	N/A
TR-51	Road	655.21	-108.25	N/A
TR-52	Road	687.00	-76.47	N/A
TR-53	Road	687.00	-61.83	N/A
TR-54	Road	656.00	-106.41	N/A
TR-55	Road	657.00	-96.33	N/A
TR-56	Road	657.00	-105.80	N/A
TR-57	Road	686.46	-76.91	N/A
TTC-1	Tree Cluster	709.39	33.46	Trim/Remove
TTC-2	Tree Cluster	716.68	41.15	Trim/Remove
TTC-3	Tree Cluster	710.25	18.78	Trim/Remove
TW-1	Waterway	636.55	-29.73	N/A
TW-2	Waterway	645.78	-117.71	N/A
TW-3	Waterway	637.84	-125.62	N/A
TW-4	Waterway	636.55	-41.61	N/A
TW-5	Waterway	636.50	-65.23	N/A
TW-6	Waterway	636.54	-86.20	N/A
TW-7	Waterway	639.96	-66.73	N/A
TW-8	Waterway	631.38	-132.12	N/A
TW-9	Waterway	639.43	-117.17	N/A
TW-10	Waterway	640.00	-123.50	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
B-1	Building	710.49	-7.25	N/A
B-2	Building	731.49	-3.40	N/A
B-3	Building	729.66	-5.35	N/A
B-4	Building	726.28	-8.80	N/A
B-5	Building	727.03	-9.17	N/A
B-6	Building	730.22	-6.08	N/A
FF-1	Future-Fence	637.00	-41.65	N/A
FF-2	Future-Fence	634.00	-47.45	N/A
FF-3	Future-Fence	643.00	-38.46	N/A
FF-4	Future-Fence	640.00	-41.48	N/A
FF-5	Future-Fence	646.00	-40.09	N/A
FW-1	Future-Water	642.00	-24.01	N/A
FW-2	Future-Water	645.00	-29.71	N/A
FW-3	Future-Water	633.00	-49.41	N/A
L-1	Light	674.00	-7.88	N/A
L-2	Light	672.00	-9.89	N/A
L-3	Light	674.00	-7.89	N/A
L-4	Light	674.00	-7.91	N/A
L-5	Light	673.00	-8.92	N/A
L-6	Light	674.00	-9.91	N/A
L-7	Light	712.00	-5.94	N/A
RR-1	Railroad	693.00	-47.28	N/A
RR-2	Railroad	693.00	-53.29	N/A
RR-3	Railroad	665.26	-85.36	N/A
RR-4	Railroad	665.24	-86.93	N/A
T-1	Tree	683.00	-0.36	N/A
TC-1	Tree Cluster	703.47	39.34	Remove
TC-2	Tree Cluster	702.58	31.87	Remove
TC-3	Tree Cluster	699.19	22.36	Remove
TC-4	Tree Cluster	683.49	-0.74	N/A
TC-5	Tree Cluster	698.00	9.38	Trim/Remove
U-1	Utility	681.52	-5.69	N/A
U-2	Utility	686.21	-1.55	N/A
U-3	Utility	691.41	3.43	Remove
U-4	Utility	685.56	-5.01	N/A
U-5	Utility	686.39	-5.75	N/A
U-6	Utility	693.47	-0.89	N/A
U-7	Utility	692.06	-6.97	N/A
U-8	Utility	690.81	-9.09	N/A
U-9	Utility	711.45	-8.06	N/A
U-10	Utility	750.00	14.99	Remove
U-11	Utility	738.88	-5.30	N/A
W-1	Waterway	632.78	-30.72	N/A
W-2	Waterway	632.95	-34.63	N/A
W-3	Waterway	636.50	-40.76	N/A
W-4	Waterway	638.77	-49.59	N/A
W-5	Waterway	638.07	-50.36	N/A
W-6	Waterway	637.18	-51.63	N/A
W-7	Waterway	640.43	-51.59	N/A
W-8	Waterway	641.22	-55.25	N/A
W-9	Waterway	643.78	-54.57	N/A
W-10	Waterway	641.86	-56.83	N/A
W-11	Waterway	644.19	-56.52	N/A
W-12	Waterway	632.45	-70.97	N/A
W-13	Waterway	632.46	-71.36	N/A
W-14	Waterway	635.55	-69.06	N/A
W-15	Waterway	632.45	-73.12	N/A
W-16	Waterway	633.62	-72.59	N/A
W-17	Waterway	638.14	-74.63	N/A
W-18	Waterway	638.14	-74.92	N/A
W-19	Waterway	638.37	-76.01	N/A
W-20	Waterway	631.82	-83.17	N/A
W-21	Waterway	637.10	-99.89	N/A



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
FR-1	Future-Road	662.00	-5.50	N/A
FR-2	Future-Road	665.00	-12.39	N/A
FR-3	Future-Road	662.00	-18.41	N/A
FR-4	Future-Road	660.00	-20.93	N/A
FR-5	Future-Road	656.00	-27.40	N/A
FR-6	Future-Road	677.00	-8.71	N/A
FR-7	Future-Road	682.00	-4.78	N/A
FR-8	Future-Road	659.00	-29.86	N/A
FR-9	Future-Road	660.00	-28.93	N/A
FR-10	Future-Road	658.00	-44.24	N/A
FR-11	Future-Road	657.00	-45.29	N/A
FR-12	Future-Road	657.00	-45.50	N/A
FR-13	Future-Road	659.00	-47.49	N/A
FR-14	Future-Road	661.00	-54.60	N/A
FR-15	Future-Road	678.00	-58.96	N/A
R-1	Road	660.08	-3.42	N/A
R-2	Road	660.73	-11.01	N/A
R-3	Road	661.54	-10.55	N/A
R-4	Road	659.88	-17.03	Remove
R-5	Road	655.96	-21.02	N/A
R-6	Road	660.91	-16.22	Remove
R-7	Road	660.00	-21.93	N/A
R-8	Road	661.00	-21.64	N/A
R-9	Road	659.92	-25.73	N/A
R-10	Road	659.73	-25.96	N/A
R-11	Road	681.42	-4.28	N/A
R-12	Road	665.27	-20.48	N/A
R-13	Road	662.96	-23.22	N/A
R-14	Road	679.40	-7.71	N/A
R-15	Road	659.84	-27.47	N/A
R-16	Road	672.78	-16.66	N/A
R-17	Road	661.64	-31.03	N/A
R-18	Road	658.28	-35.53	N/A
R-19	Road	657.70	-37.13	N/A
R-20	Road	660.42	-37.77	N/A
R-21	Road	687.00	-11.75	N/A
R-22	Road	687.00	-14.28	N/A
R-23	Road	657.99	-43.89	N/A
R-24	Road	658.50	-47.17	N/A
R-25	Road	657.66	-49.33	N/A
R-26	Road	657.84	-49.24	N/A
R-27	Road	687.00	-20.48	N/A
R-28	Road	687.00	-22.06	N/A
R-29	Road	657.99	-57.31	N/A
R-30	Road	661.39	-54.49	N/A
R-31	Road	656.09	-60.35	N/A
R-32	Road	687.00	-29.84	N/A
R-33	Road	687.00	-32.22	N/A
R-34	Road	687.00	-33.12	N/A
R-35	Road	657.06	-63.95	N/A
R-36	Road	687.00	-34.04	N/A
R-37	Road	656.69	-66.56	N/A
R-38	Road	687.00	-37.76	N/A
R-39	Road	657.31	-68.52	N/A
R-40	Road	687.00	-42.05	N/A
R-41	Road	657.18	-72.47	N/A
R-42	Road	657.32	-72.63	N/A
R-43	Road	687.00	-43.01	N/A
R-44	Road	656.74	-77.90	N/A
R-45	Road	657.21	-77.65	N/A
R-46	Road	687.00	-48.00	N/A
R-47	Road	687.00	-48.56	N/A
R-48	Road	687.00	-48.60	N/A
R-49	Road	687.00	-49.54	N/A
R-50	Road	687.00	-49.84	N/A
R-51	Road	687.00	-50.66	N/A
R-52	Road	687.00	-50.17	N/A
R-53	Road	657.13	-80.23	N/A
R-54	Road	655.10	-82.27	N/A
R-55	Road	687.00	-50.60	N/A
R-56	Road	655.57	-82.16	N/A
R-57	Road	687.00	-51.00	N/A
R-58	Road	687.00	-52.50	N/A
R-59	Road	687.00	-52.74	N/A
R-60	Road	679.34	-60.97	N/A
R-61	Road	687.00	-54.33	N/A
R-62	Road	687.00	-55.48	N/A
R-63	Road	687.00	-56.11	N/A
R-64	Road	687.00	-56.37	N/A
R-65	Road	687.00	-57.09	N/A
R-66	Road	687.00	-57.14	N/A
R-67	Road	687.00	-57.15	N/A
R-68	Road	687.00	-58.04	N/A
R-69	Road	687.00	-59.31	N/A
R-70	Road	687.00	-60.07	N/A
R-71	Road	657.00	-91.21	N/A
R-72	Road	687.00	-63.14	N/A
R-73	Road	687.00	-64.88	N/A
R-74	Road	687.00	-67.16	N/A
R-75	Road	686.89	-67.62	N/A
R-76	Road	687.00	-68.04	N/A
R-77	Road	687.02	-68.15	N/A
R-78	Road	687.00	-76.42	N/A
R-79	Road	687.00	-76.48	N/A
R-80	Road	685.51	-77.99	N/A
R-81	Road	687.00	-76.50	N/A
R-82	Road	687.00	-76.50	N/A
R-83	Road	687.00	-76.50	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 27R INNER APPROACH SURFACE

No	Revisions	Date

O'Hare International Airport

MAGNETIC NORTH DECLINATION=2.0° W (AUGUST 1, 2005)

TRUE NORTH

DRAWN BY: MNT

CHECKED BY: FG

PREPARED BY: Ricondo & Associates, Inc.

September 2005

Sheet 20 of 56

Drawing: Z:\Chicago\ORD\OMP\ALP-DrawingSet-FINAL-2005 \ALP Set\20-27R-Obstructions.dwg_Layout: 27R_Sep 20, 2005, 3:11pm