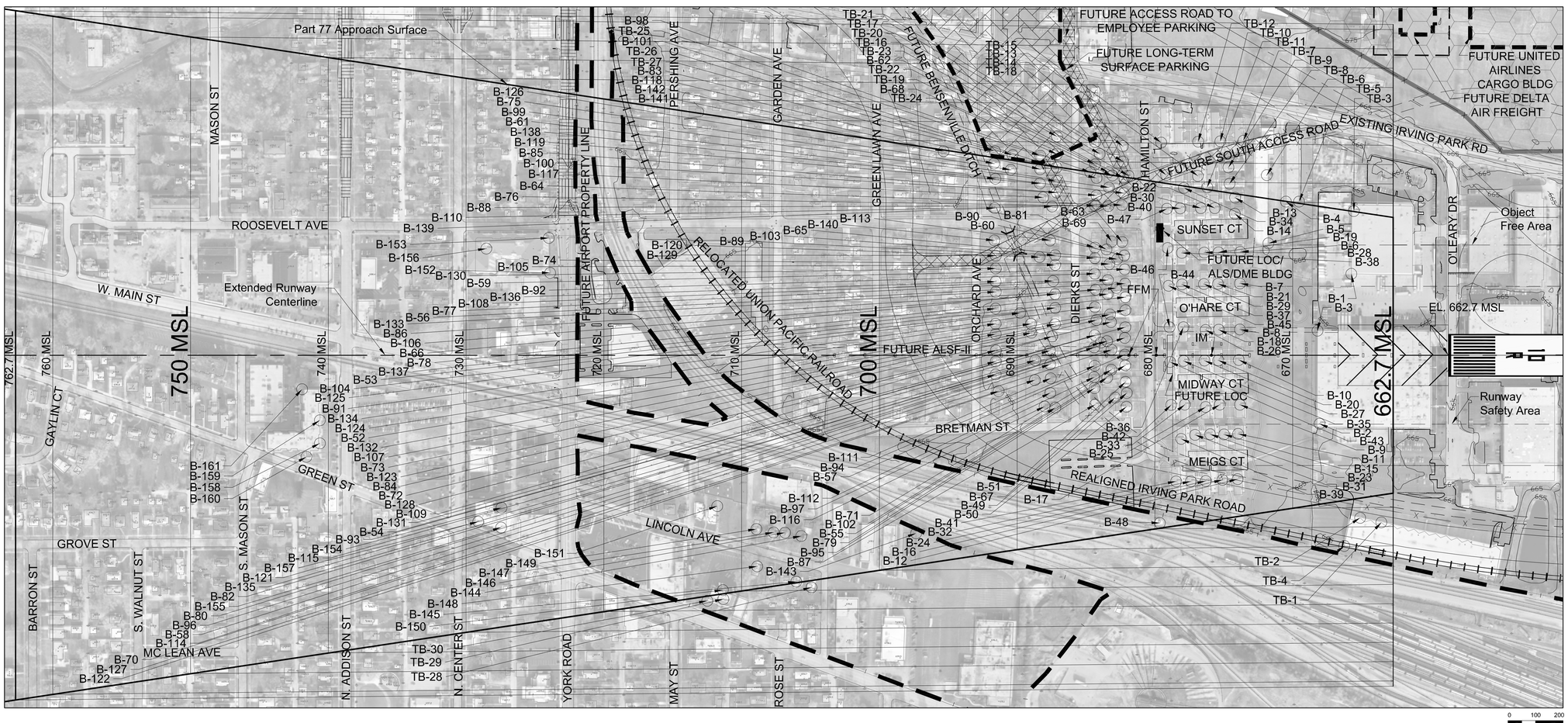
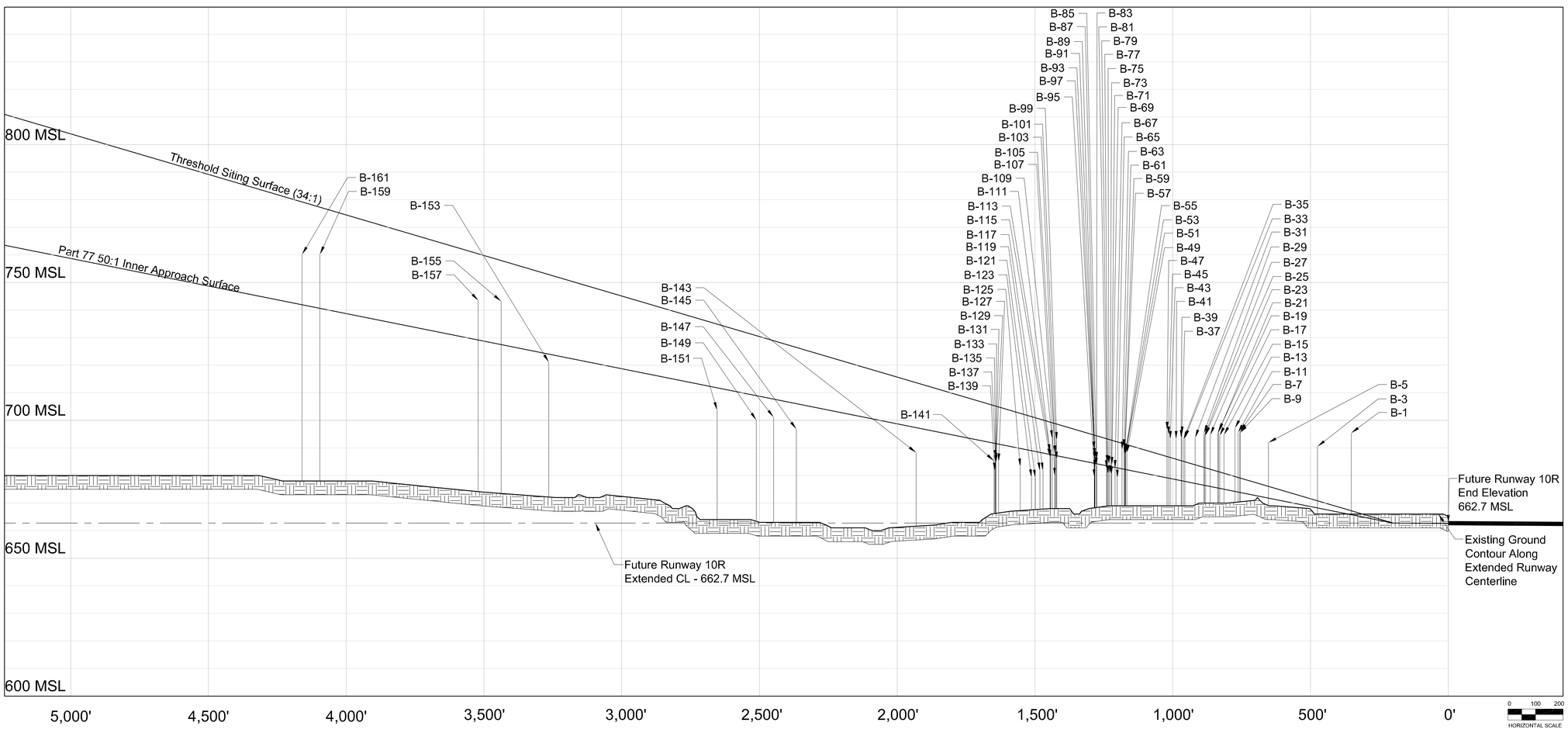
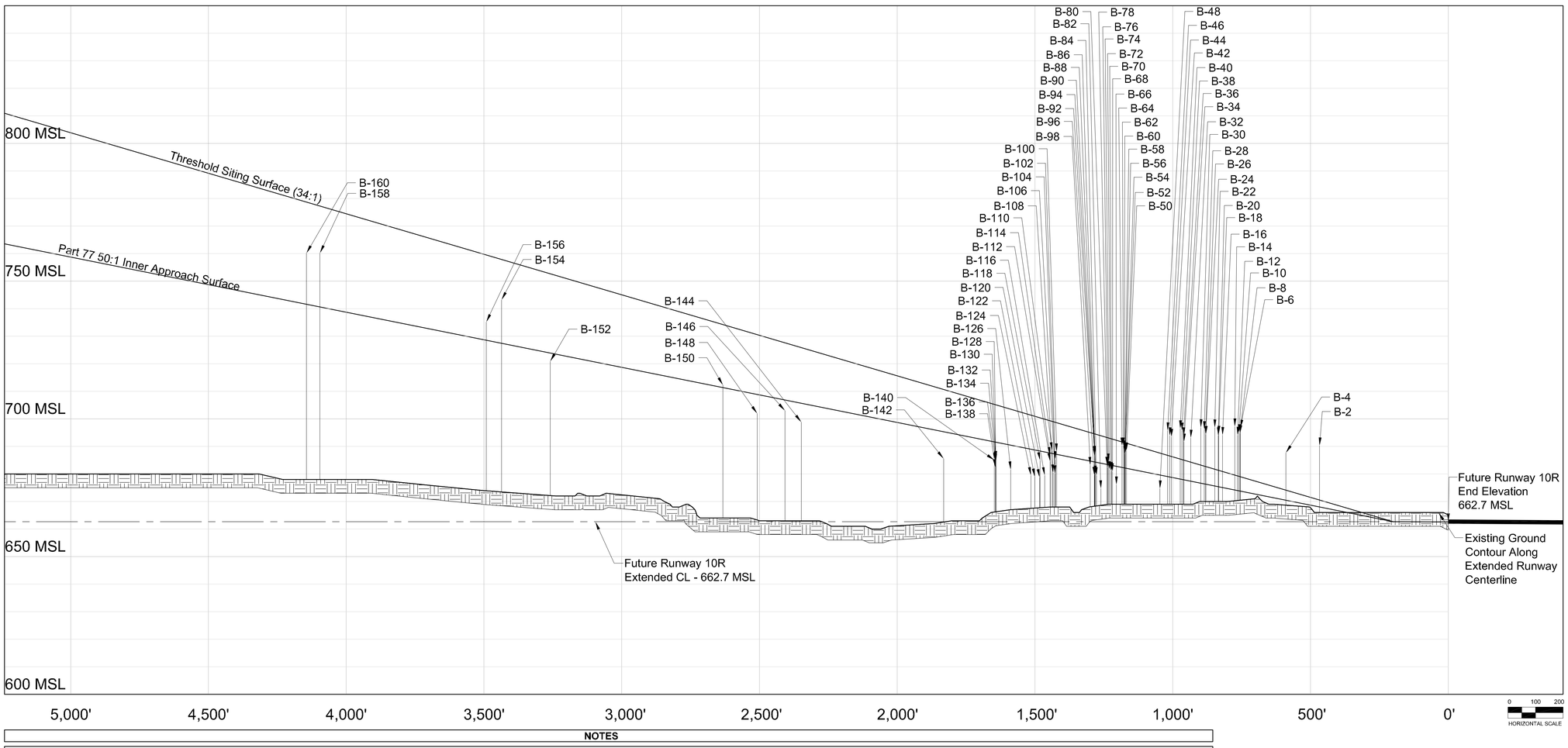
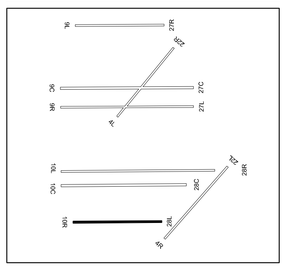






FUTURE AIRFIELD KEY MAP



Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Threshold Siting Surface Penetration	Resolution
TB-1	Building	696.19	18.40	17.99	Remove
TB-2	Building	696.19	20.85	19.72	Remove
TB-3	Building	695.33	29.50	28.16	Remove
TB-4	Building	696.19	6.41	4.74	Remove
TB-5	Building	686.82	16.39	13.18	Remove
TB-6	Building	693.17	9.17	4.85	Remove
TB-7	Building	691.85	-9.81	-14.93	N/A
TB-8	Building	697.91	18.56	12.97	Remove
TB-9	Building	697.40	9.62	4.00	Remove
TB-10	Building	691.80	-9.45	-15.36	N/A
TB-11	Building	691.68	14.30	7.95	Remove
TB-12	Building	691.78	-9.18	-15.84	N/A
TB-13	Building	697.22	14.01	7.34	Remove
TB-14	Building	696.81	13.29	5.54	Remove
TB-15	Building	691.97	-8.33	-16.25	N/A
TB-16	Building	684.60	1.69	-7.35	Remove
TB-17	Building	690.30	0.05	-9.18	Remove
TB-18	Building	690.47	-7.75	-16.98	N/A
TB-19	Building	685.01	0.34	-9.38	Remove
TB-20	Building	685.96	-8.18	-18.20	N/A
TB-21	Building	691.12	-9.17	-19.35	N/A
TB-22	Building	688.31	-0.38	-10.56	N/A
TB-23	Building	693.22	-9.73	-21.22	N/A
TB-24	Building	692.25	-1.49	-12.98	N/A
TB-25	Building	685.39	-7.53	-19.58	N/A
TB-26	Building	683.82	-9.25	-22.25	N/A
TB-27	Building	689.13	-5.88	-19.48	N/A
TB-28	Building	700.65	-7.86	-27.73	N/A
TB-29	Building	723.47	9.38	-13.50	Add OL
TB-30	Building	712.01	-2.89	-26.32	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Threshold Siting Surface Penetration	Resolution
B-1	Building	695.38	29.65	28.22	Remove
B-3	Building	690.50	22.31	19.72	Remove
B-5	Building	691.95	20.19	15.93	Remove
B-7	Building	695.90	22.07	16.84	Remove
B-9	Building	695.42	21.59	16.35	Remove
B-11	Building	695.57	21.61	16.31	Remove
B-13	Building	697.18	23.00	17.60	Remove
B-15	Building	694.73	19.75	13.97	Remove
B-17	Building	694.52	19.24	13.31	Remove
B-19	Building	696.08	20.70	14.74	Remove
B-21	Building	695.32	19.90	13.91	Remove
B-23	Building	694.66	18.68	12.42	Remove
B-25	Building	694.61	18.29	11.88	Remove
B-27	Building	694.22	17.82	11.38	Remove
B-29	Building	695.33	18.89	12.42	Remove
B-31	Building	693.68	16.60	9.83	Remove
B-33	Building	693.51	15.68	8.57	Remove
B-35	Building	693.07	15.15	7.99	Remove
B-37	Building	694.75	16.71	9.50	Remove
B-39	Building	693.52	15.43	8.19	Remove
B-41	Building	693.10	14.64	7.23	Remove
B-43	Building	693.11	14.22	6.61	Remove
B-45	Building	694.76	15.75	8.08	Remove
B-47	Building	696.43	17.31	9.58	Remove
B-49	Building	688.15	6.11	-2.98	Remove
B-51	Building	687.96	5.83	-3.31	Remove
B-53	Building	687.83	5.69	-3.46	Remove
B-55	Building	687.65	5.50	-3.65	Remove
B-57	Building	687.38	5.20	-3.97	Remove
B-59	Building	688.68	6.49	-2.68	Remove
B-61	Building	690.13	7.88	-1.33	Remove
B-63	Building	689.28	6.90	-2.36	Remove
B-65	Building	679.08	-3.65	-13.08	Remove
B-67	Building	682.58	-0.31	-9.81	Remove
B-69	Building	683.73	0.60	-9.01	Remove
B-71	Building	680.16	-3.00	-12.63	Remove
B-73	Building	680.65	-2.61	-12.28	Remove
B-75	Building	684.13	0.79	-8.92	Remove
B-77	Building	680.46	-2.95	-12.70	Remove
B-79	Building	684.41	0.95	-8.82	Remove
B-81	Building	682.52	-0.99	-10.78	Remove
B-83	Building	685.51	1.28	-8.85	Remove
B-85	Building	683.52	-0.72	-10.86	Remove
B-87	Building	685.80	1.46	-8.73	Remove
B-89	Building	682.65	-1.70	-11.89	Remove
B-91	Building	685.33	0.98	-9.21	Remove
B-93	Building	686.91	2.55	-7.65	Remove
B-95	Building	679.21	-5.17	-15.37	Remove
B-97	Building	689.31	4.91	-5.30	Remove
B-99	Building	692.75	5.63	-5.67	Remove
B-101	Building	685.63	-1.50	-13.00	Remove
B-103	Building	687.87	0.64	-10.91	Remove
B-105	Building	687.79	0.55	-10.99	Remove
B-107	Building	679.74	-7.51	-19.06	Remove
B-109	Building	693.40	5.95	-5.70	Remove
B-111	Building	686.42	-1.14	-12.83	Remove
B-113	Building	688.35	0.75	-10.97	Remove
B-115	Building	686.76	-0.85	-12.58	Remove
B-117	Building	681.68	-6.43	-18.39	Remove
B-119	Building	681.66	-6.69	-18.76	Remove
B-121	Building	679.09	-9.59	-21.81	Remove
B-123	Building	679.23	-9.73	-22.09	Remove
B-125	Building	683.12	-6.65	-19.39	Remove
B-127	Building	684.98	-6.36	-19.84	Remove
B-129	Building	684.42	-7.13	-20.70	Remove
B-131	Building	685.25	-6.30	-19.88	Remove
B-133	Building	685.28	-6.27	-19.85	Remove
B-135	Building	684.34	-7.22	-20.80	Remove
B-137	Building	686.21	-5.35	-18.94	Remove
B-139	Building	681.64	-9.99	-23.60	Remove
B-141	Building	685.27	-6.41	-20.04	Remove
B-143	Building	688.29	-9.04	-25.33	Remove
B-145	Building	696.80	-9.23	-29.62	Remove
B-147	Building	701.11	-6.57	-27.73	Remove
B-149	Building	700.03	-8.90	-30.65	Remove
B-151	Building	703.64	-8.13	-31.22	Remove
B-153	Building	721.11	-2.89	-31.73	N/A
B-155	Building	743.15	15.70	-14.78	Add OL
B-157	Building	743.45	14.33	-16.93	Add OL
B-159	Building	760.15	19.54	-17.12	Add OL
B-161	Building	760.14	18.24	-19.03	Add OL

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Threshold Siting Surface Penetration	Resolution
B-2	Building	690.27	22.23	19.71	Remove
B-4	Building	687.65	17.16	13.49	Remove
B-6	Building	696.67	22.88	17.66	Remove
B-8	Building	694.71	20.88	15.65	Remove
B-10	Building	695.05	21.15	15.67	Remove
B-12	Building	694.09	20.10	14.78	Remove
B-14	Building	697.13	22.93	17.52	Remove
B-16	Building	694.06	18.97	13.14	Remove
B-18	Building	694.47	19.10	13.14	Remove
B-20	Building	693.95	18.55	12.58	Remove
B-22	Building	696.78	21.13	15.04	Remove
B-24	Building	694.41	18.11	11.70	Remove
B-26	Building	694.38	18.06	11.65	Remove
B-28	Building	696.15	19.74	13.28	Remove
B-30	Building	696.83	20.16	13.59	Remove
B-32	Building	693.07	15.68	8.76	Remove
B-34	Building	691.67	13.78	6.63	Remove
B-36	Building	693.91	15.98	8.82	Remove
B-38	Building	695.66	17.62	10.40	Remove
B-40	Building	696.47	18.31	11.04	Remove
B-42	Building	693.38	14.56	6.98	Remove
B-44	Building	693.90	14.97	7.33	Remove
B-46	Building	695.72	16.65	8.94	Remove
B-48	Building	674.67	-4.97	-12.94	Remove
B-50	Building	688.45	6.39	-2.72	Remove
B-52	Building	687.83	5.69	-3.45	Remove
B-54	Building	687.66	5.52	-3.63	Remove
B-56	Building	688.21	6.04	-3.12	Remove
B-58	Building	687.18	5.00	-4.17	Remove
B-60	Building	689.15	6.93	-2.25	Remove
B-62	Building	690.18	7.90	-1.31	Remove
B-64	Building	690.23	7.85	-1.42	Remove
B-66	Building	676.05	-6.74	-16.20	Remove
B-68	Building	680.87	-2.21	-11.80	Remove
B-70	Building	681.32	-1.83	-11.45	Remove
B-72	Building	681.01	-2.18	-11.82	Remove
B-74	Building	681.63	-1.67	-11.37	Remove
B-76	Building	684.42	1.05	-8.68	Remove
B-78	Building	682.37	-1.06	-10.82	Remove
B-80	Building	683.25	-0.22	-9.99	Remove
B-82	Building	674.68	-9.24	-19.23	Remove
B-84	Building	679.47	-4.77	-14.90	Remove
B-86	Building	680.02	-4.28	-14.45	Remove
B-88	Building	686.90	2.55	-7.64	Remove
B-90	Building	687.22	2.87	-7.32	Remove
B-92	Building	686.11	1.75	-8.44	Remove
B-94	Building	686.93	2.57	-7.63	Remove
B-96	Building	679.60	-4.80	-15.01	Remove
B-98	Building	683.17	-1.52	-11.87	Remove
B-100	Building	688.08	0.95	-10.55	Remove
B-102	Building	685.29	-1.94	-13.48	Remove
B-104	Building	680.10	-7.13	-18.68	Remove
B-106	Building	679.98	-7.26	-18.81	Remove
B-108	Building	680.44	-6.95	-18.57	Remove
B-110	Building	688.48	1.03	-10.62	Remove
B-112	Building	684.56	-3.03	-14.75	Remove
B-114	Building	686.77	-0.83	-12.55	Remove
B-116	Building	679.45	-8.55	-20.46	Remove
B-118	Building	684.92	-3.41	-15.47	Remove
B-120	Building	678.77	-9.60	-21.68	Remove
B-122	Building	678.94	-9.77	-22.02	Remove
B-124	Building	679.49	-9.50	-21.87	Remove
B-126	Building	681.57	-8.89	-21.96	Remove
B-128	Building	685.34	-6.20	-19.78	Remove
B-130	Building	684.35	-7.20	-20.78	Remove
B-132	Building	685.09	-6.46	-20.04	Remove
B-134	Building	684.82	-6.74	-20.32	Remove
B-136	Building	684.51	-7.05	-20.63	Remove
B-138	Building	682.34	-9.23	-22.82	Remove
B-140	Building	685.03	-6.62	-20.24	Remove
B-142	Building	685.53	-9.80	-25.16	Remove
B-144	Building	698.78	-6.88	-27.10	Remove
B-146	Building	703.03	-3.82	-24.59	Remove
B-148	Building	701.92	-6.95	-28.67	Remove
B-150	Building	712.29	0.94	-21.96	Add OL
B-152	Building	720.89	-3.01	-31.81	N/A
B-154	Building	743.21	15.79	-14.67	Add OL
B-156	Building	735.13	6.60	-24.38	Add OL
B-158	Building	760.15	19.54	-17.12	Add OL
B-160	Building	760.15	18.56	-18.56	Add OL

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.

O'Hare Modernization Program
Rosemarie S. Andolino
Executive Director

CHICAGO AIRPORT SYSTEM
John A. Roberson
Commissioner

FUTURE RUNWAY 10R INNER APPROACH SURFACE (2 of 4)

No	Revisions	Date

O'Hare International Airport

MAGNETIC NORTH DECLINATION 4.2° W (AUGUST 1, 2005) — TRUE NORTH

DRAWN BY: MNT
CHECKED BY: FG
PREPARED BY: Ricondo & Associates, Inc.
September 2005
Sheet 32 of 56

Drawing: Z:\Chicago\ORD\OMP\ALP-DrawingSet-FINAL-2005 \ALP Set\32-10R-Obstructions (2 of 4).dwg_Layout: 10R_Sep 19, 2005, 2:20pm