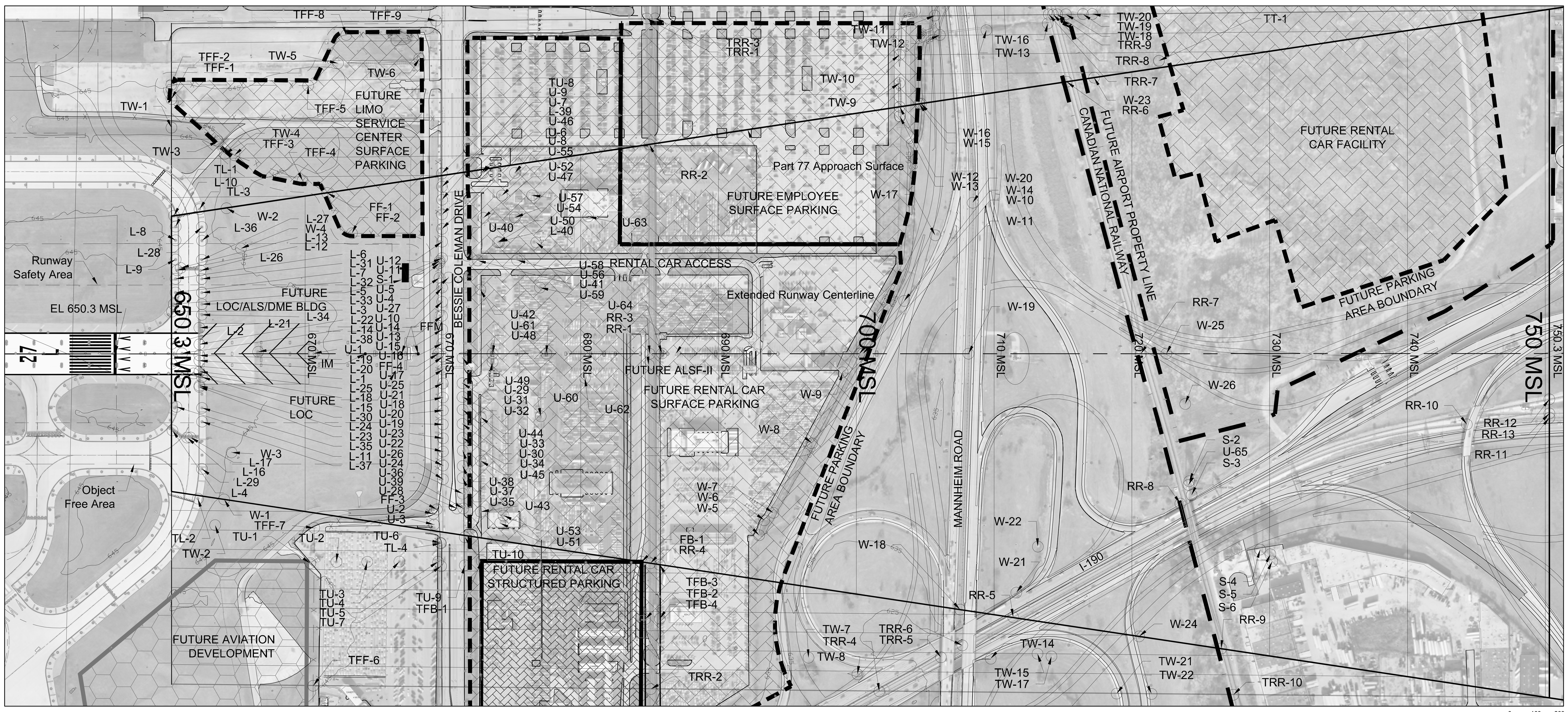
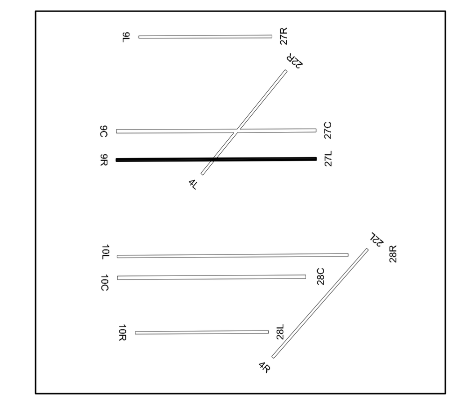
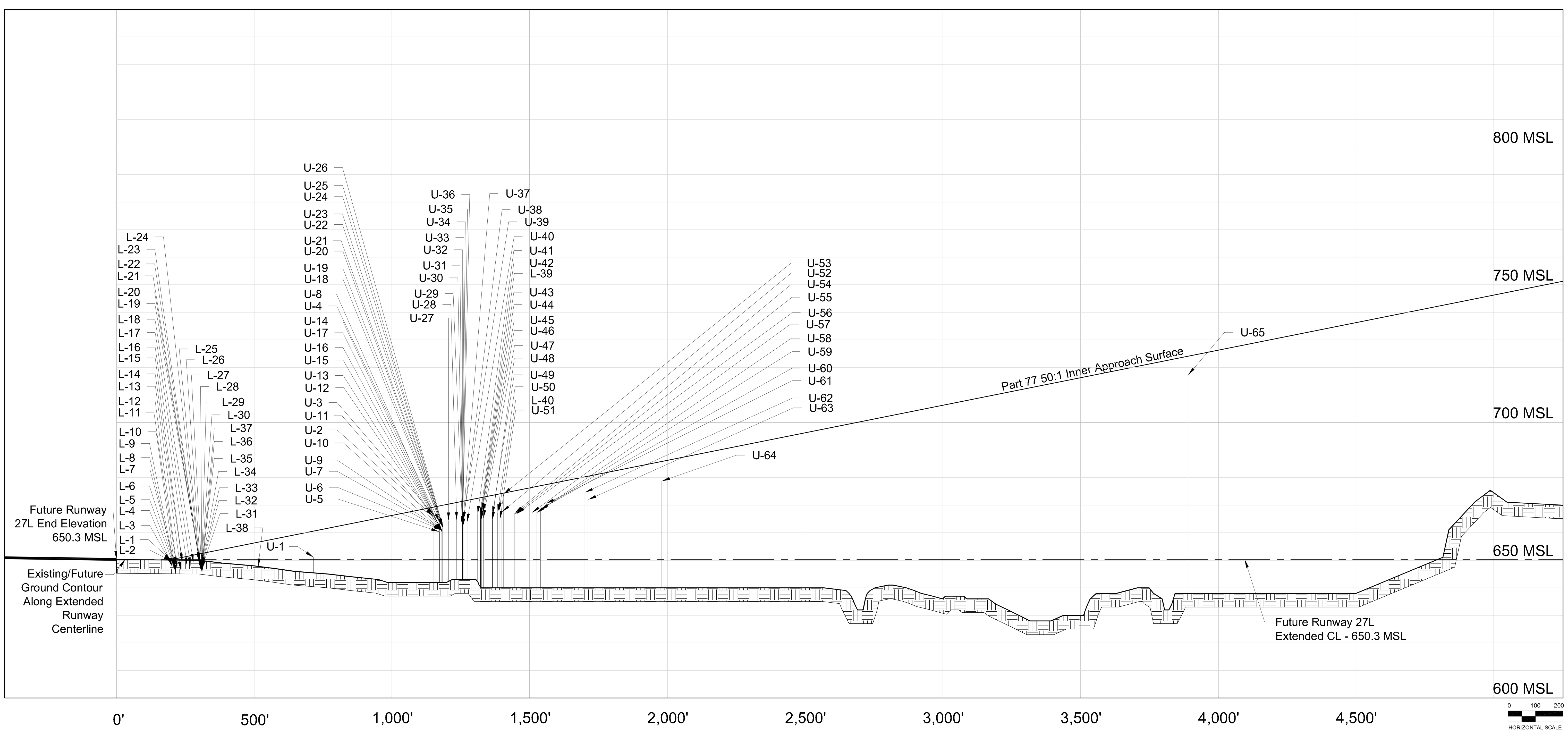


FUTURE AIRFIELD KEY MAP



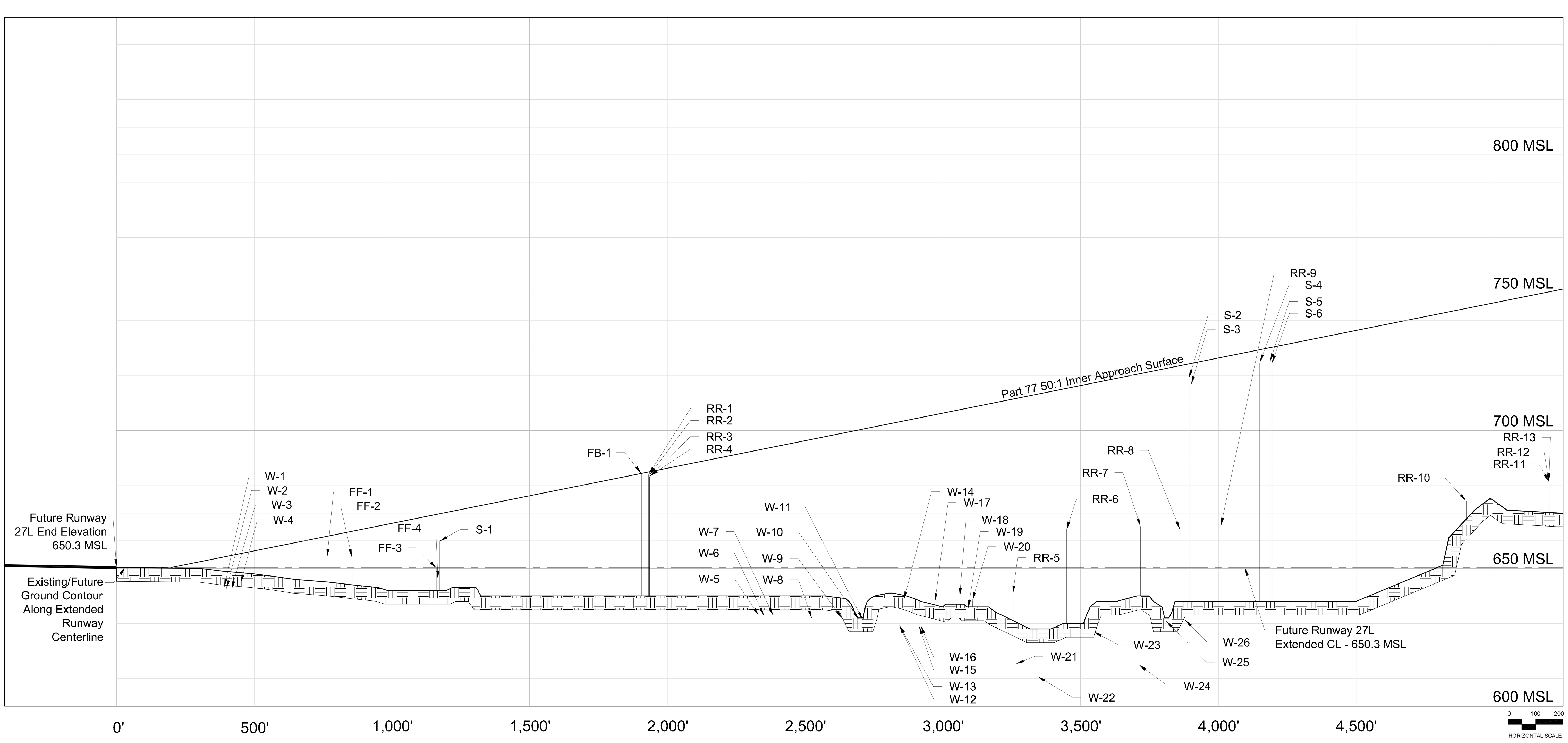
Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TFB-1	Future-Building	684.75	0.00	N/A
TFB-2	Future-Building	683.00	-31.07	N/A
TFB-3	Future-Building	683.00	-2.78	N/A
TFB-4	Future-Building	683.00	-30.77	N/A
TFF-1	Future-Fence	654.00	-56.99	N/A
TFF-2	Future-Fence	654.00	-64.52	N/A
TFF-3	Future-Fence	654.00	-27.54	N/A
TFF-4	Future-Fence	654.00	-14.03	N/A
TFF-5	Future-Fence	653.00	-64.24	N/A
TFF-6	Future-Fence	654.00	-96.30	N/A
TFF-7	Future-Fence	647.00	-21.43	N/A
TFF-8	Future-Fence	653.00	-90.36	N/A
TFF-9	Future-Fence	653.00	-97.30	N/A
TL-1	Light	645.55	-4.95	N/A
TL-2	Light	646.96	-6.85	N/A
TL-3	Light	645.66	-8.06	N/A
TL-4	Light	683.00	7.17	Add OL
TRR-1	Railroad	687.16	-63.14	N/A
TRR-2	Railroad	683.72	-66.58	N/A
TRR-3	Railroad	687.38	-62.92	N/A
TRR-4	Railroad	651.30	-99.00	N/A
TRR-5	Railroad	646.44	-85.90	N/A
TRR-6	Railroad	644.81	-81.26	N/A
TRR-7	Railroad	663.02	-87.28	N/A
TRR-8	Railroad	663.52	-86.78	N/A
TRR-9	Railroad	663.25	-87.05	N/A
TRR-10	Railroad	665.40	-84.90	N/A
TT-1	Tree	734.27	8.63	Trim/Remove
TU-1	Utility	680.04	-6.68	N/A
TU-2	Utility	679.46	-6.45	N/A
TU-3	Utility	678.94	-6.80	N/A
TU-4	Utility	678.67	-6.81	N/A
TU-5	Utility	678.77	-6.57	N/A
TU-6	Utility	682.85	7.34	Add OL
TU-7	Utility	682.53	-5.09	N/A
TU-8	Utility	661.05	-9.91	N/A
TU-9	Utility	682.86	-4.21	N/A
TU-10	Utility	672.93	0.47	Add OL
TW-1	Waterway	640.28	-55.90	N/A
TW-2	Waterway	643.47	-24.03	N/A
TW-3	Waterway	641.02	-47.84	N/A
TW-4	Waterway	641.37	-40.88	N/A
TW-5	Waterway	640.15	-88.54	N/A
TW-6	Waterway	639.56	-91.20	N/A
TW-7	Waterway	628.89	-104.32	N/A
TW-8	Waterway	623.11	-118.50	N/A
TW-9	Waterway	629.23	-86.23	N/A
TW-10	Waterway	629.23	-100.94	N/A
TW-11	Waterway	631.11	-119.19	N/A
TW-12	Waterway	628.21	-111.98	N/A
TW-13	Waterway	627.45	-115.02	N/A
TW-14	Waterway	619.04	-113.79	N/A
TW-15	Waterway	612.84	-117.16	N/A
TW-16	Waterway	627.48	-118.12	N/A
TW-17	Waterway	612.79	-118.53	N/A
TW-18	Waterway	625.15	-125.15	N/A
TW-19	Waterway	625.83	-124.47	N/A
TW-20	Waterway	625.39	-124.91	N/A
TW-21	Waterway	622.81	-127.49	N/A
TW-22	Waterway	622.23	-128.07	N/A



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
L-1	Light	649.84	-0.48	NAVAID
L-2	Light	649.68	-0.65	NAVAID
L-3	Light	648.22	-2.12	NAVAID
L-4	Light	647.56	-2.81	NAVAID
L-5	Light	648.11	-2.35	NAVAID
L-6	Light	647.06	-3.53	NAVAID
L-7	Light	647.54	-3.06	NAVAID
L-8	Light	645.79	-4.81	N/A
L-9	Light	646.00	-4.60	NAVAID
L-10	Light	645.39	-5.21	N/A
L-11	Light	648.29	-2.36	NAVAID
L-12	Light	646.83	-3.88	NAVAID
L-13	Light	646.46	-4.51	NAVAID
L-14	Light	649.86	-1.21	NAVAID
L-15	Light	649.28	-1.80	NAVAID
L-16	Light	648.05	-3.39	NAVAID
L-17	Light	648.05	-3.63	NAVAID
L-18	Light	649.31	-2.58	NAVAID
L-19	Light	650.16	-2.16	NAVAID
L-20	Light	649.86	-2.46	NAVAID
L-21	Light	649.20	-3.12	NAVAID
L-22	Light	649.66	-2.66	NAVAID
L-23	Light	649.09	-3.24	NAVAID
L-24	Light	649.07	-3.26	NAVAID
L-25	Light	649.64	-2.69	NAVAID
L-26	Light	646.71	-5.70	NAVAID
L-27	Light	646.23	-6.27	NAVAID
L-28	Light	645.64	-6.86	N/A
L-29	Light	647.36	-5.14	N/A
L-30	Light	649.10	-3.40	NAVAID
L-31	Light	647.09	-5.41	NAVAID
L-32	Light	647.80	-4.71	NAVAID
L-33	Light	648.09	-4.42	NAVAID
L-34	Light	648.37	-4.14	NAVAID
L-35	Light	648.29	-4.22	NAVAID
L-36	Light	645.80	-6.71	N/A
L-37	Light	648.03	-4.48	NAVAID
L-38	Light	647.65	-8.94	NAVAID
L-39	Light	668.00	-4.82	N/A
L-40	Light	668.00	-6.09	N/A
U-1	Utility	651.11	-9.49	NAVAID
U-2	Utility	666.00	-3.30	N/A
U-3	Utility	666.36	-3.00	N/A
U-4	Utility	664.00	-5.75	N/A
U-5	Utility	660.34	-9.41	N/A
U-6	Utility	660.97	-8.96	N/A
U-7	Utility	661.05	-8.88	N/A
U-8	Utility	660.24	-9.69	N/A
U-9	Utility	660.95	-8.99	N/A
U-10	Utility	660.66	-9.28	N/A
U-11	Utility	660.67	-9.27	N/A
U-12	Utility	660.60	-9.34	N/A
U-13	Utility	660.43	-9.51	N/A
U-14	Utility	660.21	-9.74	N/A
U-15	Utility	660.66	-9.29	N/A
U-16	Utility	660.43	-9.53	N/A
U-17	Utility	660.23	-9.73	N/A
U-18	Utility	661.93	-8.06	N/A
U-19	Utility	661.89	-8.10	N/A
U-20	Utility	662.21	-7.78	N/A
U-21	Utility	662.33	-7.66	N/A
U-22	Utility	662.14	-7.86	N/A
U-23	Utility	661.79	-8.21	N/A
U-24	Utility	662.06	-7.94	N/A
U-25	Utility	662.05	-7.95	N/A
U-26	Utility	662.10	-7.91	N/A
U-27	Utility	664.34	-6.07	N/A
U-28	Utility	664.46	-6.55	N/A
U-29	Utility	662.44	-8.98	N/A
U-30	Utility	662.41	-9.01	N/A
U-31	Utility	662.86	-8.56	N/A
U-32	Utility	663.05	-8.37	N/A
U-33	Utility	662.91	-8.52	N/A
U-34	Utility	662.01	-9.42	N/A
U-35	Utility	662.15	-9.28	N/A
U-36	Utility	661.88	-9.55	N/A
U-37	Utility	662.20	-9.23	N/A
U-38	Utility	662.14	-9.30	N/A
U-39	Utility	664.51	-6.97	N/A
U-40	Utility	663.86	-7.90	N/A
U-41	Utility	666.77	-5.75	N/A
U-42	Utility	666.19	-6.53	N/A
U-43	Utility	664.31	-8.42	N/A
U-44	Utility	664.92	-7.82	N/A
U-45	Utility	664.24	-8.50	N/A
U-46	Utility	667.49	-5.43	N/A
U-47	Utility	665.20	-7.74	N/A
U-48	Utility	664.60	-9.00	N/A
U-49	Utility	666.56	-7.04	N/A
U-50	Utility	667.29	-6.69	N/A
U-51	Utility	665.00	-9.15	N/A
U-52	Utility	667.53	-6.75	N/A
U-53	Utility	674.00	-0.39	N/A
U-54	Utility	667.20	-8.02	N/A
U-55	Utility	666.72	-8.51	N/A
U-56	Utility	666.89	-8.49	N/A
U-57	Utility	667.31	-9.16	N/A
U-58	Utility	667.16	-9.61	N/A
U-59	Utility	668.13	-8.91	N/A
U-60	Utility	668.58	-8.52	N/A
U-61	Utility	670.61	-6.89	N/A
U-62	Utility	674.62	-5.69	N/A
U-63	Utility	672.00	-8.55	N/A
U-64	Utility	678.74	-7.16	N/A
U-65	Utility	717.25	-6.86	N/A



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
FB-1	Future-Building	684.75	0.00	Add OL
FF-1	Future-Fence	654.00	-7.60	N/A
FF-2	Future-Fence	654.00	-9.40	N/A
FF-3	Future-Fence	650.00	-19.55	N/A
FF-4	Future-Fence	646.00	-23.65	N/A
RR-1	Railroad	684.00	-0.93	N/A
RR-2	Railroad	683.74	-1.25	N/A
RR-3	Railroad	683.22	-1.78	N/A
RR-4	Railroad	683.52	-1.54	N/A
RR-5	Railroad	640.78	-70.60	N/A
RR-6	Railroad	663.96	-51.32	N/A
RR-7	Railroad	665.16	-55.49	N/A
RR-8	Railroad	664.07	-59.45	N/A
RR-9	Railroad	665.36	-61.13	N/A
RR-10	Railroad	674.42	-69.89	N/A
RR-11	Railroad	681.40	-68.90	N/A
RR-12	Railroad	681.34	-68.96	N/A
RR-13	Railroad	681.69	-68.61	N/A
S-1	Sign	659.80	-9.96	N/A
S-2	Sign	719.00	-5.16	N/A
S-3	Sign	716.73	-7.61	N/A
S-4	Sign	724.60	-4.70	N/A
S-5	Sign	725.00	-5.05	N/A
S-6	Sign	724.29	-5.89	N/A
W-1	Waterway	643.22	-10.90	N/A
W-2	Waterway	642.60	-11.69	N/A
W-3	Waterway	642.38	-12.28	N/A
W-4	Waterway	644.76	-10.58	N/A
W-5	Waterway	632.78	-60.17	N/A
W-6	Waterway	632.78	-60.54	N/A
W-7	Waterway	632.78	-61.21	N/A
W-8	Waterway	631.83	-64.96	N/A
W-9	Waterway	631.83	-67.17	N/A
W-10	Waterway	631.35	-68.87	N/A
W-11	Waterway	631.35	-69.13	N/A
W-12	Waterway	629.34	-73.81	N/A
W-13	Waterway	629.39	-73.76	N/A
W-14	Waterway	638.64	-64.83	N/A
W-15	Waterway	629.15	-75.42	N/A
W-16	Waterway	629.24	-75.46	N/A
W-17	Waterway	637.99	-67.74	N/A
W-18	Waterway	639.86	-67.67	N/A
W-19	Waterway	635.53	-72.61	N/A
W-20	Waterway	638.30	-70.15	N/A
W-21	Waterway	615.36	-96.25	N/A
W-22	Waterway	610.83	-102.35	N/A
W-23	Waterway	627.04	-90.22	N/A
W-24	Waterway	615.08	-105.43	N/A
W-25	Waterway	630.91	-91.60	N/A
W-26	Waterway	631.34	-92.53	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. IT SHOULD BE NOTED THAT ALTHOUGH THE AIRPORT TRANSIT SYSTEM (ATS) RAIL CARS ARE APPROXIMATELY 12 FEET HIGH, THE PART 77 STANDARD RAIL CAR HEIGHT OF 23 FEET WAS CONSIDERED FOR THIS EVALUATION. THEREFORE, THE ATS RAIL CARS ARE APPROXIMATELY 11 FEET LOWER THAN THE ELEVATIONS PUBLISHED ON THIS SHEET.
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 27L
INNER APPROACH SURFACE (2 of 2)

No	Revisions	Date

O'Hare International Airport

N
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 26 of 56

Drawing: Z:\Chicago\ORD\OMP\ALP-DrawingSet-FINAL-2005 \ALP Set\26-27L-Obstructions (2 of 2).dwg_Layout: 27L_Sep 20, 2005, 1:57pm