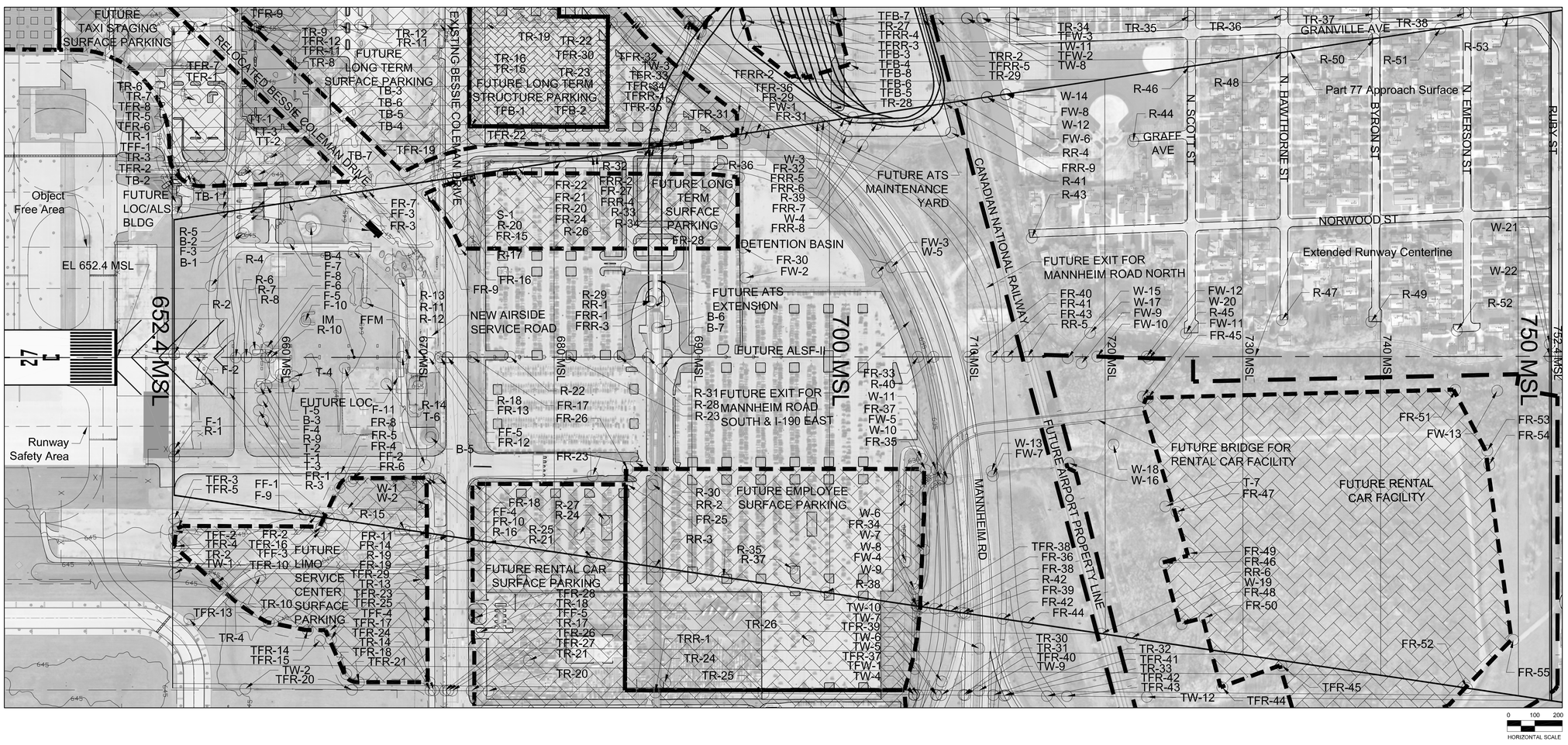
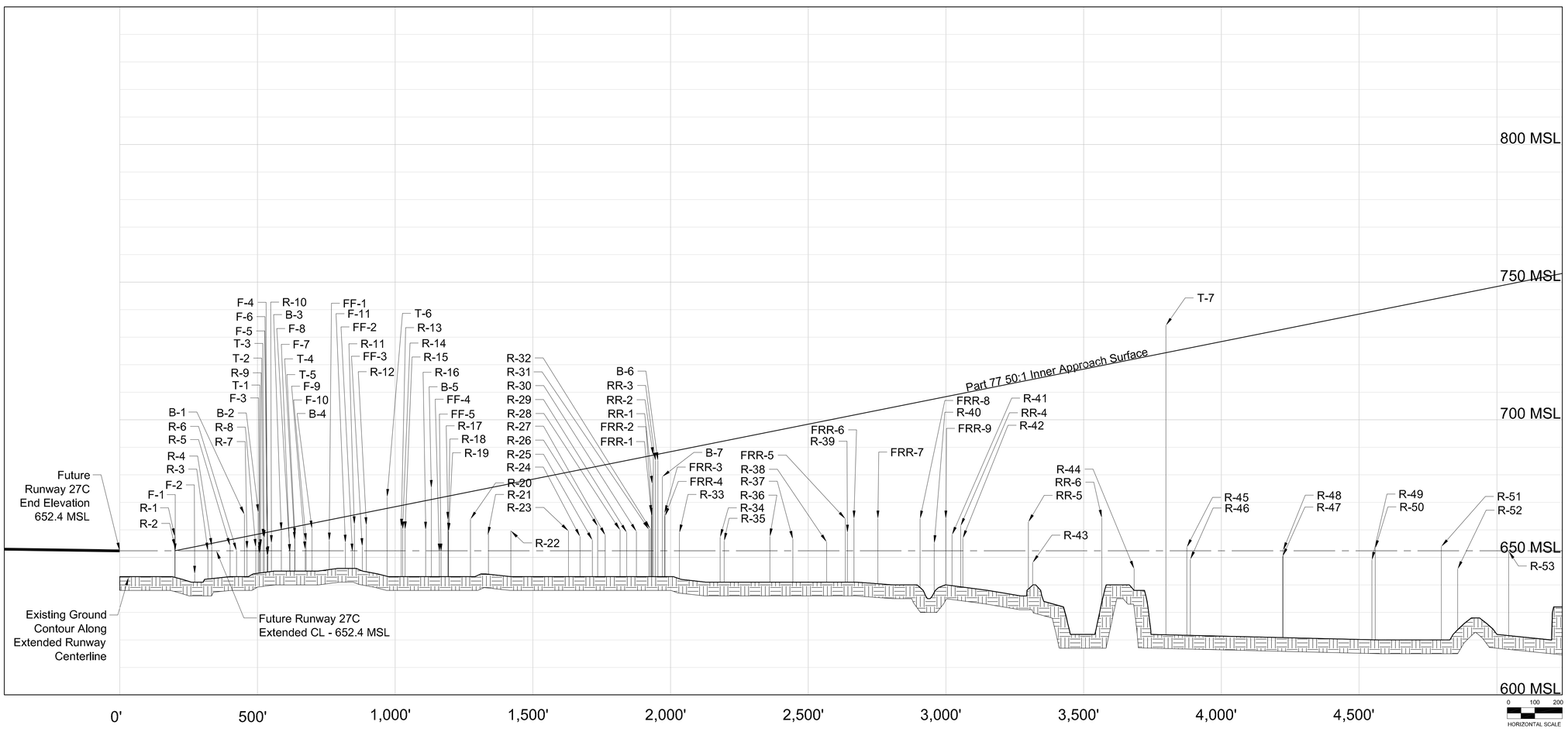
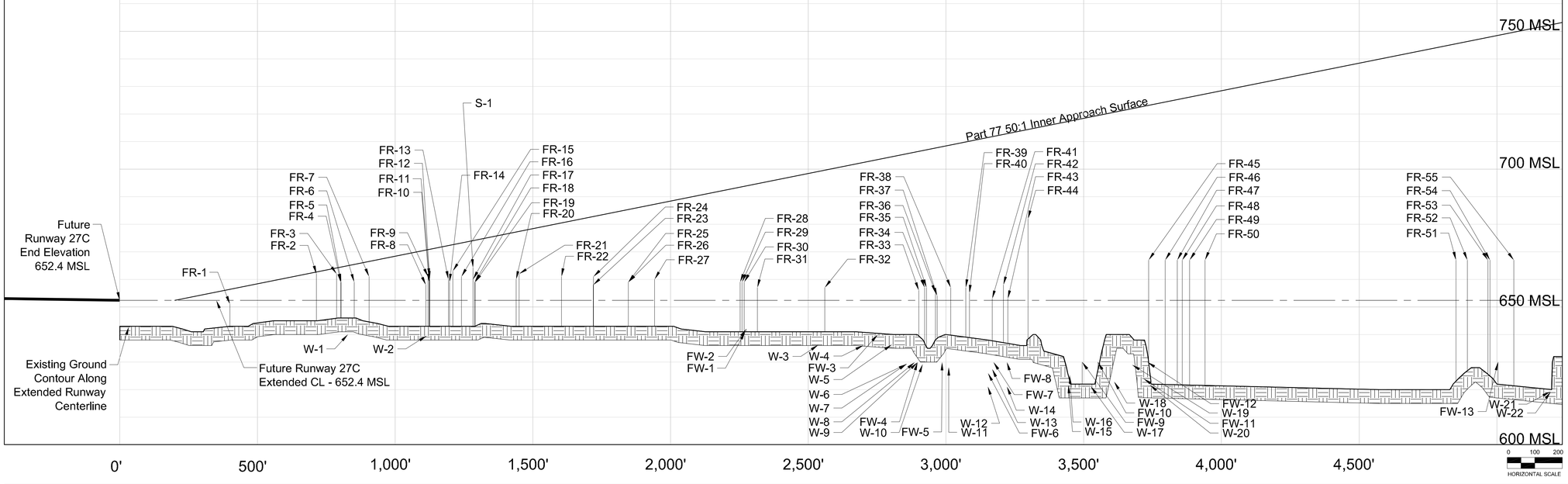
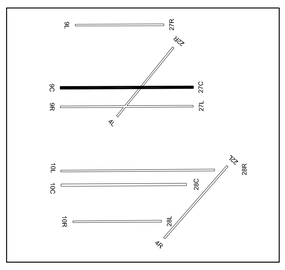






FUTURE AIRFIELD KEY MAP



Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TB-1	Building	674.82	19.72	Remove
TB-2	Building	674.82	13.74	Remove
TB-3	Building	665.71	-9.38	N/A
TB-4	Building	666.05	7.47	Remove
TB-5	Building	665.99	-9.00	N/A
TB-6	Building	768.36	84.70	Remove
TB-7	Building	660.60	-5.10	N/A
TFB-1	Future-Building	694.00	-5.11	N/A
TFB-2	Future-Building	694.00	-4.03	N/A
TFB-3	Future-Building	676.00	-76.40	N/A
TFB-4	Future-Building	676.00	-63.33	N/A
TFB-5	Future-Building	676.00	-46.84	N/A
TFB-6	Future-Building	676.00	-46.24	N/A
TFB-7	Future-Building	676.00	-76.40	N/A
TFB-8	Future-Building	676.00	-52.89	N/A
TFF-1	Future-Fence	655.00	-23.51	N/A
TFF-2	Future-Fence	655.00	-15.90	N/A
TFF-3	Future-Fence	656.00	-14.14	N/A
TFF-4	Future-Fence	654.00	-67.97	N/A
TFF-5	Future-Fence	652.00	-100.36	N/A
TFRR-1	Future-Railroad	665.00	-87.24	N/A
TFRR-2	Future-Railroad	665.00	-86.88	N/A
TFRR-3	Future-Railroad	665.00	-87.14	N/A
TFRR-4	Future-Railroad	664.00	-88.04	N/A
TFRR-5	Future-Railroad	661.00	-91.11	N/A
TFR-1	Future-Road	662.00	-90.40	N/A
TFR-2	Future-Road	662.00	-6.60	N/A
TFR-3	Future-Road	661.00	-3.62	N/A
TFR-4	Future-Road	663.00	-15.86	N/A
TFR-5	Future-Road	663.00	-6.39	N/A
TFR-6	Future-Road	662.00	-12.59	N/A
TFR-7	Future-Road	662.00	-90.34	N/A
TFR-8	Future-Road	662.00	-8.00	N/A
TFR-9	Future-Road	662.00	-90.39	N/A
TFR-10	Future-Road	663.00	-34.87	N/A
TFR-11	Future-Road	662.00	-90.35	N/A
TFR-12	Future-Road	662.00	-90.34	N/A
TFR-13	Future-Road	662.00	-55.80	N/A
TFR-14	Future-Road	662.00	-59.71	N/A
TFR-15	Future-Road	661.00	-66.00	N/A
TFR-16	Future-Road	663.00	-5.05	N/A
TFR-17	Future-Road	662.00	-64.43	N/A
TFR-18	Future-Road	662.00	-82.28	N/A
TFR-19	Future-Road	661.00	-10.08	N/A
TFR-20	Future-Road	660.00	-92.39	N/A
TFR-21	Future-Road	662.00	-86.50	N/A
TFR-22	Future-Road	661.00	-14.65	N/A
TFR-23	Future-Road	657.00	-61.29	N/A
TFR-24	Future-Road	657.00	-91.15	N/A
TFR-25	Future-Road	657.00	-95.32	N/A
TFR-26	Future-Road	659.00	-93.39	N/A
TFR-27	Future-Road	659.00	-93.38	N/A
TFR-28	Future-Road	657.00	-57.52	N/A
TFR-29	Future-Road	659.00	-25.02	N/A
TFR-30	Future-Road	659.00	-93.35	N/A
TFR-31	Future-Road	659.00	-28.51	N/A
TFR-32	Future-Road	662.00	-90.33	N/A
TFR-33	Future-Road	657.00	-95.37	N/A
TFR-34	Future-Road	662.00	-84.82	N/A
TFR-35	Future-Road	662.00	-90.37	N/A
TFR-36	Future-Road	659.00	-45.18	N/A
TFR-37	Future-Road	652.00	-100.36	N/A
TFR-38	Future-Road	657.00	-49.68	N/A
TFR-39	Future-Road	655.00	-97.34	N/A
TFR-40	Future-Road	655.00	-97.24	N/A
TFR-41	Future-Road	655.00	-97.31	N/A
TFR-42	Future-Road	676.00	-76.34	N/A
TFR-43	Future-Road	688.00	-64.30	N/A
TFR-44	Future-Road	667.00	-80.06	N/A
TFR-45	Future-Road	667.00	-68.47	N/A
TFW-1	Future-Water	630.00	-122.36	N/A
TFW-2	Future-Water	626.00	-126.33	N/A
TFW-3	Future-Water	630.00	-122.36	N/A
TRR-1	Railroad	682.56	-69.79	N/A
TRR-2	Railroad	661.29	-91.05	N/A
TR-1	Road	661.75	-20.09	N/A
TR-2	Road	662.94	-24.01	N/A
TR-3	Road	662.44	-8.24	N/A
TR-4	Road	662.71	-53.78	N/A
TR-5	Road	661.22	-9.90	N/A
TR-6	Road	661.98	-52.23	N/A
TR-7	Road	661.18	-33.76	N/A
TR-8	Road	661.27	-91.08	N/A
TR-9	Road	662.29	-90.09	N/A
TR-10	Road	663.47	-30.45	N/A
TR-11	Road	662.00	-90.39	N/A
TR-12	Road	662.85	-89.54	N/A
TR-13	Road	659.80	-34.95	N/A
TR-14	Road	657.70	-94.64	N/A
TR-15	Road	661.48	-90.81	N/A
TR-16	Road	661.99	-90.31	N/A
TR-17	Road	658.84	-93.46	N/A
TR-18	Road	658.19	-63.95	N/A
TR-19	Road	662.96	-89.39	N/A
TR-20	Road	658.11	-94.26	N/A
TR-21	Road	656.61	-79.81	N/A
TR-22	Road	662.69	-89.62	N/A
TR-23	Road	660.01	-92.36	N/A
TR-24	Road	656.92	-90.26	N/A
TR-25	Road	655.62	-96.73	N/A
TR-26	Road	655.54	-69.36	N/A
TR-27	Road	658.43	-93.96	N/A
TR-28	Road	659.00	-47.53	N/A
TR-29	Road	657.83	-94.56	N/A
TR-30	Road	655.60	-96.76	N/A
TR-31	Road	655.71	-96.42	N/A
TR-32	Road	655.78	-96.33	N/A
TR-33	Road	656.27	-95.88	N/A
TR-34	Road	648.51	-103.85	N/A
TR-35	Road	651.83	-100.54	N/A
TR-36	Road	652.30	-100.05	N/A
TR-37	Road	654.04	-98.33	N/A
TR-38	Road	653.25	-99.11	N/A
TT-1	Tree	659.69	-8.54	N/A
TT-2	Tree	656.27	-0.90	N/A
TT-3	Tree	660.19	-2.50	N/A
TW-1	Waterway	640.31	-52.80	N/A
TW-2	Waterway	644.12	-108.25	N/A
TW-3	Waterway	638.68	-113.65	N/A
TW-4	Waterway	630.07	-122.19	N/A
TW-5	Waterway	630.07	-108.91	N/A
TW-6	Waterway	638.01	-114.23	N/A
TW-7	Waterway	637.99	-107.30	N/A
TW-8	Waterway	621.21	-131.18	N/A
TW-9	Waterway	637.87	-112.05	N/A
TW-10	Waterway	638.30	-89.77	N/A
TW-11	Waterway	621.14	-131.21	N/A
TW-12	Waterway	630.02	-122.30	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
B-1	Building	665.59	8.14	Remove
B-2	Building	666.30	7.83	Remove
B-3	Building	659.70	-0.44	Remove
B-4	Building	660.39	-1.96	Remove
B-5	Building	675.11	4.09	Remove
B-6	Building	685.14	-2.34	Closed
B-7	Building	679.33	-8.46	Closed
F-1	Fence	652.07	-0.35	Remove
F-2	Fence	643.93	-9.90	Remove
F-3	Fence	651.12	-7.42	N/A
F-4	Fence	650.59	-8.52	Remove
F-5	Fence	650.59	-8.53	Remove
F-6	Fence	651.02	-8.13	Remove
F-7	Fence	651.84	-8.90	N/A
F-8	Fence	651.79	-8.96	N/A
F-9	Fence	652.78	-9.09	N/A
F-10	Fence	655.77	-6.15	Remove
F-11	Fence	655.25	-9.53	Remove
FF-1	Future-Fence	656.00	-7.61	N/A
FF-2	Future-Fence	652.00	-13.29	N/A
FF-3	Future-Fence	654.00	-12.01	N/A
FF-4	Future-Fence	652.00	-19.60	N/A
FF-5	Future-Fence	652.00	-19.73	N/A
FRR-1	Future-Railroad	666.00	-20.99	N/A
FRR-2	Future-Railroad	665.00	-22.03	N/A
FRR-3	Future-Railroad	666.00	-21.95	N/A
FRR-4	Future-Railroad	665.00	-23.00	N/A
FRR-5	Future-Railroad	664.00	-37.09	N/A
FRR-6	Future-Railroad	664.00	-37.71	N/A
FRR-7	Future-Railroad	664.00	-39.45	N/A
FRR-8	Future-Railroad	664.00	-42.51	N/A
FRR-9	Future-Railroad	664.00	-44.39	N/A
RR-1	Railroad	676.61	-10.46	N/A
RR-2	Railroad	687.02	-0.12	N/A
RR-3	Railroad	685.06	-2.24	N/A
RR-4	Railroad	661.38	-48.08	N/A
RR-5	Railroad	662.84	-51.54	N/A
RR-6	Railroad	664.31	-55.41	N/A
R-1	Road	657.57	5.17	Remove
R-2	Road	653.68	1.27	Remove
R-3	Road	652.35	-2.45	Remove
R-4	Road	654.02	-1.06	Remove
R-5	Road	654.15	-2.26	Remove
R-6	Road	652.41	-4.47	Remove
R-7	Road	652.92	-4.72	Remove
R-8	Road	653.68	-4.60	Remove
R-9	Road	653.57	-5.05	Remove
R-10	Road	655.06	-4.35	Remove
R-11	Road	661.95	-3.48	Remove
R-12	Road	661.58	-4.72	Remove
R-13	Road	661.01	-7.83	N/A
R-14	Road	660.05	-8.89	N/A
R-15	Road	660.07	-9.04	N/A
R-16	Road	659.92	-10.70	N/A
R-17	Road	663.52	-8.71	N/A
R-18	Road	659.57	-12.70	N/A
R-19	Road	659.45	-12.83	N/A
R-20	Road	663.88	-9.97	N/A
R-21	Road	658.45	-16.72	N/A
R-22	Road	659.66	-17.14	N/A
R-23	Road	659.60	-21.39	N/A
R-24	Road	657.50	-24.32	N/A
R-25	Road	656.26	-26.46	N/A
R-26	Road	661.36	-21.74	N/A
R-27	Road	658.05	-25.60	N/A
R-28	Road	659.92	-24.81	N/A
R-29	Road	659.07	-26.14	N/A
R-30	Road	659.38	-26.54	N/A
R-31	Road	660.13	-26.69	N/A
R-32	Road	660.40	-26.52	N/A
R-33	Road	658.94	-30.10	N/A
R-34	Road	657.30	-34.70	N/A
R-35	Road	655.93	-36.36	N/A
R-36	Road	657.51	-38.10	N/A
R-37	Road	656.62	-40.65	N/A
R-38	Road	655.58	-44.14	N/A
R-39	Road	658.89	-42.34	N/A
R-40	Road	655.05	-52.50	N/A
R-41	Road	658.21	-50.63	N/A
R-42	Road	656.93	-52.69	N/A
R-43	Road	648.09	-66.61	N/A
R-44	Road	645.82	-76.25	N/A
R-45	Road	653.68	-72.21	N/A
R-46	Road	649.26	-76.88	N/A
R-47	Road	650.39	-82.46	N/A
R-48	Road	652.57	-80.31	N/A
R-49	Road	649.00	-90.33	N/A
R-50	Road	653.28	-86.28	N/A
R-51	Road	653.93	-90.44	N/A
R-52	Road	645.72	-99.83	N/A
R-53	Road	652.27	-96.99	N/A
T-1	Tree	652.54	-6.01	Remove
T-2	Tree	657.31	-1.51	Remove
T-3	Tree	656.95	-1.94	Remove
T-4	Tree	656.25	-4.85	Remove
T-5	Tree	657.75	-3.37	Remove
T-6	Tree	671.87	4.06	Remove
T-7	Tree	734.27	9.90	Trim/Remove

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
FR-1	Future-Road	651.00	-5.40	N/A
FR-2	Future-Road	662.00	-0.68	N/A
FR-3	Future-Road	662.00	-2.14	N/A
FR-4	Future-Road	659.00	-5.44	N/A
FR-5	Future-Road	659.00	-5.48	N/A
FR-6	Future-Road	659.00	-6.43	N/A
FR-7	Future-Road	661.00	-5.50	N/A
FR-8	Future-Road	658.00	-12.62	N/A
FR-9	Future-Road	661.00	-9.79	N/A
FR-10	Future-Road	659.00	-11.86	N/A
FR-11	Future-Road	661.00	-9.88	N/A
FR-12	Future-Road	660.00	-10.90	N/A
FR-13	Future-Road	660.00	-12.26	N/A
FR-14	Future-Road	659.00	-13.35	N/A
FR-15	Future-Road	663.00	-9.58	N/A
FR-16	Future-Road	661.00	-12.20	N/A
FR-17	Future-Road	660.00	-14.05	N/A
FR-18	Future-Road	659.00	-15.17	N/A
FR-19	Future-Road	659.00	-15.20	N/A
FR-20	Future-Road	660.00	-17.18	N/A
FR-21	Future-Road	662.00	-15.39	N/A
FR-22	Future-Road	661.00	-19.47	N/A
FR-23	Future-Road	658.00	-24.79	N/A
FR-24	Future-Road	661.00	-21.80	N/A
FR-25	Future-Road	659.00	-26.32	N/A
FR-26	Future-Road	659.00	-26.33	N/A
FR-27	Future-Road	660.00	-27.23	N/A
FR-28	Future-Road	659.00	-34.44	N/A
FR-29	Future-Road	659.00	-34.58	N/A
FR-30	Future-Road	659.00	-34.74	N/A
FR-31	Future-Road	657.00	-37.70	N/A
FR-32	Future-Road	657.00	-42.60	N/A
FR-33	Future-Road	656.00	-50.42	N/A
FR-34	Future-Road	657.00	-49.85	N/A
FR-35	Future-Road	657.00	-49.98	N/A
FR-36	Future-Road	655.00	-52.64	N/A
FR-37	Future-Road	654.00	-53.75	N/A
FR-38	Future-Road	657.00	-51.75	N/A
FR-39	Future-Road	657.00	-52.84	N/A
FR-40	Future-Road	655.00	-55.10	N/A
FR-41	Future-Road	653.00	-58.75	N/A
FR-42	Future-Road	658.00	-54.57	N/A
FR-43	Future-Road	653.00	-59.89	N/A
FR-44	Future-Road	682.00	-32.35	N/A
FR-45	Future-Road	667.00	-56.12	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
FR-46	Future-Road	667.00	-57.31	N/A
FR-47	Future-Road	667.00	-58.19	N/A
FR-48	Future-Road	667.00	-58.55	N/A
FR-49	Future-Road	667.00	-59.09	N/A
FR-50	Future-Road	667.00	-60.21	N/A
FR-51	Future-Road	667.00	-78.44	N/A
FR-52	Future-Road	667.00	-79.26	N/A
FR-53	Future-Road	667.00	-80.76	N/A
FR-54	Future-Road	667.00	-80.90	N/A
FR-55	Future-Road	667.00	-82.63	N/A
FW-1	Future-Water	641.00	-52.83	N/A
FW-2	Future-Water	642.00	-51.89	N/A
FW-3	Future-Water	640.00	-63.45	N/A
FW-4	Future-Water	630.00	-76.33	N/A
FW-5	Future-Water	630.00	-78.11	N/A
FW-6	Future-Water	626.00	-85.44	N/A
FW-7	Future-Water	630.00	-81.85	N/A
FW-8	Future-Water	630.00	-82.82	N/A
FW-9	Future-Water	630.00	-88.29	N/A
FW-10	Future-Water	630.00	-89.44	N/A
FW-11	Future-Water	624.00	-98.74	N/A
FW-12	Future-Water	630.00	-93.02	N/A
FW-13	Future-Water	630.00	-116.48	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
S-1	Sign	664.27	-9.77	N/A
W-1	Waterway	640.09	-24.87	N/A
W-2	Waterway	639.56	-31.13	N/A
W-3	Waterway	636.23	-62.90	N/A
W-4	Waterway	636.08	-66.33	N/A
W-5	Waterway	636.37	-68.10	N/A
W-6	Waterway	629.23	-76.32	N/A
W-7	Waterway	629.39	-76.16	N/A
W-8	Waterway	629.90	-76.23	N/A
W-9	Waterway	629.89	-76.44	N/A
W-10	Waterway	629.26	-77.44	N/A
W-11	Waterway	628.14	-80.46	N/A
W-12	Waterway	621.16	-90.28	N/A
W-13	Waterway	627.48	-84.27	N/A
W-14	Waterway	621.16	-91.67	N/A
W-15	Waterway	621.70	-95.58	N/A
W-16	Waterway	625.15	-92.22	N/A
W-17	Waterway	621.21	-97.71	N/A
W-18	Waterway	622.91	-97.70	N/A
W-19	Waterway	629.02	-92.89	N/A
W-20	Waterway	621.70	-101.49	N/A
W-21	Waterway	619.29	-133.00	N/A
W-22	Waterway	619.29	-133.03	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.

Rosemarie S. Andolino
Executive Director

CHICAGO AIRPORT SYSTEM
John A. Roberson
Commissioner

FUTURE RUNWAY 27C INNER APPROACH SURFACE (2 of 2)

No	Revisions	Date

O'Hare International Airport

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

DRAWN BY: MNT
CHECKED BY: FG
PREPARED BY: Ricondo & Associates, Inc.
September 2005
Sheet 23 of 56

Drawing: Z:\Chicago\ORD\OMP\ALP-DrawingSet-FINAL-2005 \ALP Set\23-27C-Obstructions (2 of 2).dwg_Layout: 27C_Sep 19, 2005, 1:41pm