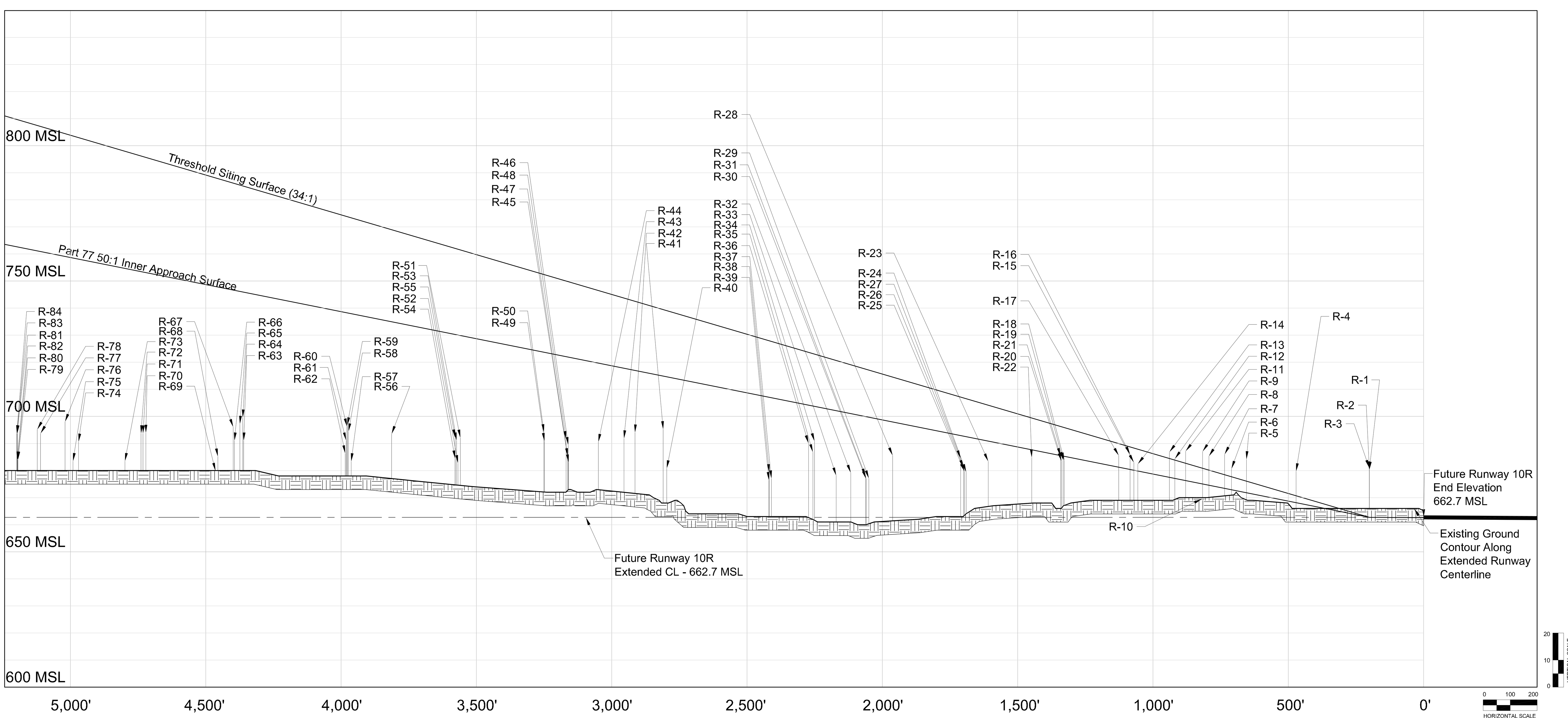
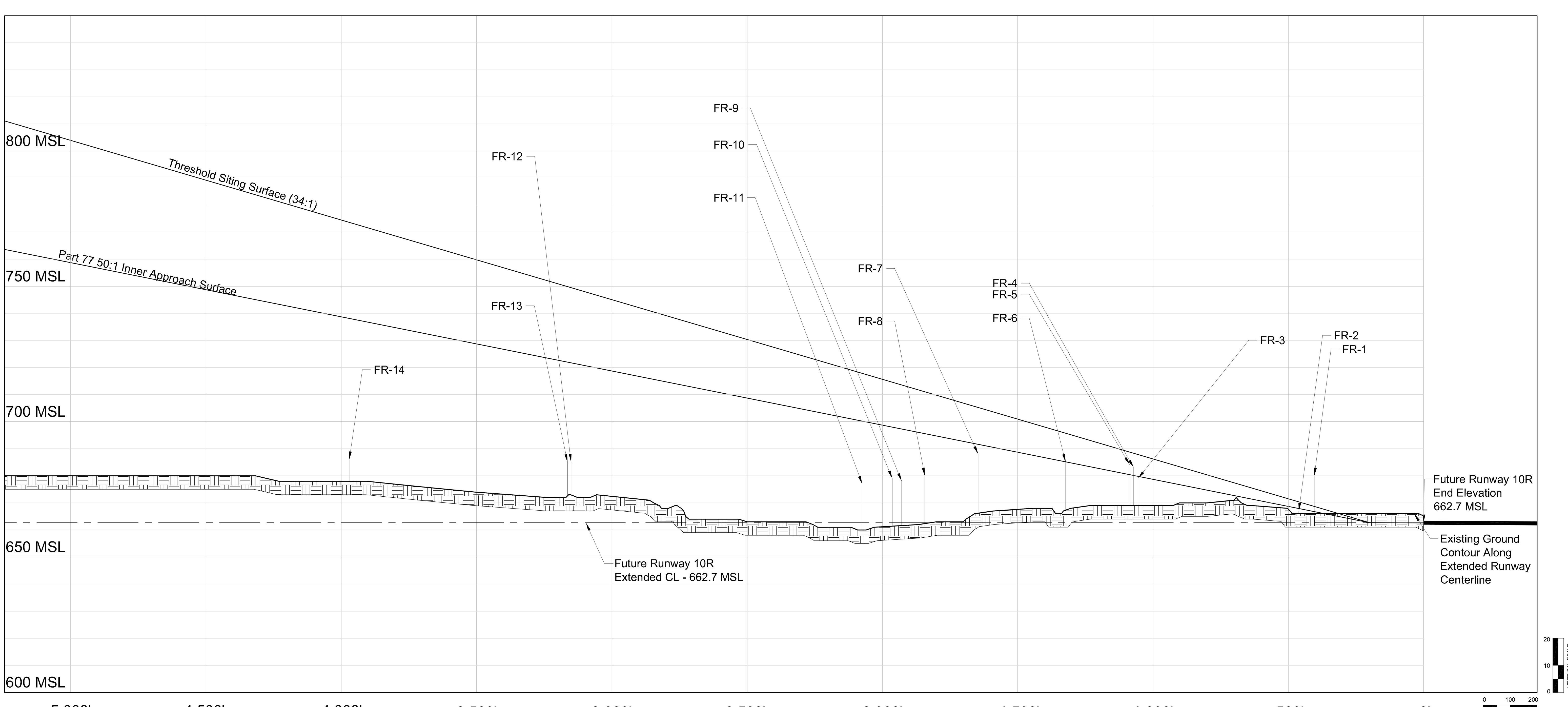
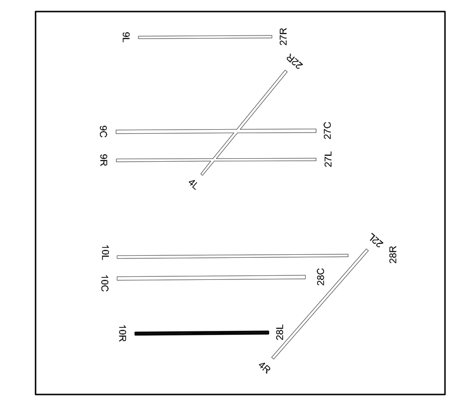




FUTURE AIRFIELD KEY MAP



Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Threshold Siting Surface Penetration	Resolution
TFR-1	Future-Road	682.00	-34.01	-34.02	N/A
TFR-2	Future-Road	680.00	-9.59	-9.60	N/A
TFR-3	Future-Road	675.00	-0.35	-0.37	N/A
TFR-4	Future-Road	682.00	-25.99	-27.74	N/A
TFR-5	Future-Road	684.00	-17.28	-20.96	N/A
TFR-6	Future-Road	684.00	-21.75	-25.64	N/A
TFR-7	Future-Road	682.00	-0.29	-8.94	N/A
TFR-8	Future-Road	691.00	-11.62	-21.76	N/A
TFR-9	Future-Road	691.00	-51.25	-62.14	N/A
TFR-10	Future-Road	691.00	-71.70	-83.08	N/A
TFR-11	Future-Road	691.00	-51.22	-62.61	N/A
TFR-12	Future-Road	691.00	-1.52	-13.15	N/A
TFR-13	Future-Road	689.00	-0.18	-12.26	N/A
TFR-14	Future-Road	691.00	-1.82	-15.65	N/A
TFR-15	Future-Road	691.00	-25.11	-39.54	N/A
TFR-16	Future-Road	691.00	-54.13	-69.71	N/A
TFR-17	Future-Road	686.00	-62.34	-78.02	N/A
TFR-18	Future-Road	691.00	-71.70	-87.90	N/A
TFR-19	Future-Road	686.00	-59.64	-75.91	N/A
TFR-20	Future-Road	680.00	-82.65	-101.89	N/A
TFR-21	Future-Road	687.00	-75.55	-103.46	N/A
TFR-22	Future-Road	683.00	-79.54	-111.01	N/A
TFR-23	Future-Road	681.00	-81.59	-117.09	N/A
TR-1	Road	682.56	-9.69	-9.70	N/A
TR-2	Road	681.33	7.34	7.34	Remove
TR-3	Road	692.93	-69.75	-70.19	N/A
TR-4	Road	682.61	-11.96	-12.67	N/A
TR-5	Road	693.52	-69.11	-70.09	N/A
TR-6	Road	683.94	-8.83	-11.64	N/A
TR-7	Road	692.90	-69.71	-72.60	N/A
TR-8	Road	692.70	-69.87	-74.94	N/A
TR-9	Road	688.91	-16.83	-22.24	N/A
TR-10	Road	686.96	1.83	-4.99	Remove
TR-11	Road	692.19	-70.46	-79.42	N/A
TR-12	Road	690.41	-4.42	-14.04	N/A
TR-13	Road	689.50	-53.60	-63.31	N/A
TR-14	Road	690.71	-20.64	-31.23	N/A
TR-15	Road	689.53	-73.10	-84.33	N/A
TR-16	Road	691.20	-24.20	-36.15	N/A
TR-17	Road	691.51	-22.84	-36.05	N/A
TR-18	Road	689.29	-73.16	-86.49	N/A
TR-19	Road	688.05	-74.43	-88.16	N/A
TR-20	Road	694.93	-63.35	-78.24	N/A
TR-21	Road	694.74	-67.88	-84.26	N/A
TR-22	Road	681.80	-43.60	-60.14	N/A
TR-23	Road	683.29	-79.16	-95.71	N/A
TR-24	Road	682.21	-80.31	-97.42	N/A
TR-25	Road	680.58	-82.10	-100.69	N/A
TR-26	Road	677.76	-45.17	-64.06	N/A
TR-27	Road	693.27	-52.17	-71.48	N/A
TR-28	Road	679.44	-83.24	-103.14	N/A
TR-29	Road	694.01	-68.55	-89.40	N/A
TR-30	Road	679.31	-83.33	-104.19	N/A
TR-31	Road	679.45	-82.75	-105.53	N/A
TR-32	Road	679.76	-82.70	-106.01	N/A
TR-33	Road	680.39	-55.82	-79.39	N/A
TR-34	Road	692.66	-69.97	-94.41	N/A
TR-35	Road	680.55	-82.09	-106.54	N/A
TR-36	Road	684.02	-51.25	-77.02	N/A
TR-37	Road	687.06	-75.52	-103.41	N/A
TR-38	Road	690.06	-72.57	-100.58	N/A
TR-39	Road	683.42	-79.13	-110.95	N/A
TR-40	Road	691.35	-71.17	-103.00	N/A
TR-41	Road	689.05	-73.45	-109.06	N/A
TR-42	Road	682.28	-80.29	-115.92	N/A
TR-43	Road	690.31	-72.16	-111.32	N/A
TR-44	Road	692.68	-69.79	-112.53	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Threshold Siting Surface Penetration	Resolution
R-1	Road	680.25	17.54	17.53	Remove
R-2	Road	680.37	17.66	17.65	Remove
R-3	Road	680.96	18.24	18.24	Remove
R-4	Road	679.68	11.56	9.00	Remove
R-5	Road	684.13	12.33	8.05	Remove
R-6	Road	680.64	7.74	2.93	Remove
R-7	Road	685.95	12.53	7.49	Remove
R-8	Road	685.30	10.73	5.15	Remove
R-9	Road	687.00	11.97	6.17	Remove
R-10	Road	669.53	-5.56	-11.39	N/A
R-11	Road	687.16	10.88	4.48	Remove
R-12	Road	684.33	7.24	0.47	Remove
R-13	Road	686.82	9.33	2.37	Remove
R-14	Road	682.42	2.60	-5.46	Remove
R-15	Road	682.98	2.86	-5.33	Remove
R-16	Road	685.99	5.60	-2.73	Remove
R-17	Road	685.55	4.32	-4.40	Remove
R-18	Road	683.66	-1.59	-12.21	N/A
R-19	Road	683.85	-1.49	-12.15	N/A
R-20	Road	683.44	-2.02	-12.74	Remove
R-21	Road	685.33	-0.19	-10.93	N/A
R-22	Road	684.80	-2.86	-14.61	N/A
R-23	Road	683.40	-7.48	-20.73	N/A
R-24	Road	679.44	-13.07	-27.09	N/A
R-25	Road	679.63	-12.99	-27.07	N/A
R-26	Road	680.99	-11.70	-25.82	Remove
R-27	Road	684.52	-8.39	-22.61	N/A
R-28	Road	685.60	-12.35	-28.93	N/A
R-29	Road	677.11	-22.59	-40.00	N/A
R-30	Road	676.94	-22.97	-40.47	Remove
R-31	Road	677.77	-22.16	-39.68	N/A
R-32	Road	679.17	-21.86	-39.91	N/A
R-33	Road	678.16	-23.95	-42.50	N/A
R-34	Road	690.84	-12.88	-32.18	N/A
R-35	Road	686.74	-17.10	-36.46	N/A
R-36	Road	690.05	-14.11	-33.62	N/A
R-37	Road	677.05	-29.85	-50.66	N/A
R-38	Road	679.33	-27.73	-48.61	Remove
R-39	Road	676.46	-30.63	-51.52	N/A
R-40	Road	680.81	-33.82	-58.26	N/A
R-41	Road	695.24	-19.67	-44.23	N/A
R-42	Road	694.03	-22.96	-48.50	N/A
R-43	Road	691.86	-25.94	-51.87	N/A
R-44	Road	690.55	-29.14	-55.96	N/A
R-45	Road	682.92	-38.97	-66.82	N/A
R-46	Road	689.36	-32.55	-60.41	N/A
R-47	Road	685.23	-36.73	-64.61	N/A
R-48	Road	691.56	-30.52	-58.46	N/A
R-49	Road	690.86	-32.82	-61.52	N/A
R-50	Road	694.12	-29.60	-58.31	N/A
R-51	Road	692.12	-37.77	-69.39	N/A
R-52	Road	682.73	-47.33	-79.03	N/A
R-53	Road	691.08	-39.09	-70.84	N/A
R-54	Road	684.41	-45.86	-77.66	N/A
R-55	Road	692.19	-38.09	-69.89	N/A
R-56	Road	693.53	-41.45	-75.46	N/A
R-57	Road	683.39	-54.58	-90.00	N/A
R-58	Road	694.41	-43.75	-79.25	N/A
R-59	Road	696.63	-41.62	-77.17	N/A
R-60	Road	696.25	-42.01	-77.57	N/A
R-61	Road	691.10	-47.24	-82.83	N/A
R-62	Road	686.32	-52.08	-87.70	N/A
R-63	Road	691.04	-54.86	-94.01	N/A
R-64	Road	699.56	-46.41	-85.60	N/A
R-65	Road	697.18	-49.01	-88.29	N/A
R-66	Road	691.04	-55.54	-95.02	N/A
R-67	Road	696.08	-50.59	-90.11	N/A
R-68	Road	685.15	-62.66	-102.72	N/A
R-69	Road	679.86	-68.12	-108.25	N/A
R-70	Road	693.91	-59.23	-101.79	N/A
R-71	Road	693.67	-59.68	-102.33	N/A
R-72	Road	693.71	-59.79	-102.51	N/A
R-73	Road	683.49	-71.19	-114.47	N/A
R-74	Road	690.63	-67.48	-112.37	N/A
R-75	Road	683.45	-75.06	-120.15	N/A
R-76	Road	698.01	-61.10	-106.47	N/A
R-77	Road	693.70	-67.21	-113.43	N/A
R-78	Road	695.19	-65.97	-112.31	N/A
R-79	Road	684.00	-78.59	-125.60	N/A
R-80	Road	684.00	-78.61	-125.63	N/A
R-81	Road	693.70	-68.94	-115.97	N/A
R-82	Road	684.00	-78.65	-125.68	N/A
R-83	Road	693.70	-68.95	-115.99	N/A
R-84	Road	693.70	-68.97	-116.01	N/A

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Threshold Siting Surface Penetration	Resolution
FR-1	Future-Road	680.00	13.22	11.30	Controlled
FR-2	Future-Road	667.00	-0.93	-3.40	N/A
FR-3	Future-Road	679.00	-0.82	-8.87	N/A
FR-4	Future-Road	683.00	2.86	-5.34	Controlled
FR-5	Future-Road	684.00	3.59	-4.75	Controlled
FR-6	Future-Road	685.00	-0.16	-10.74	N/A
FR-7	Future-Road	688.00	-3.63	-17.25	N/A
FR-8	Future-Road	680.00	-15.57	-31.04	N/A
FR-9	Future-Road	678.00	-19.29	-35.56	N/A
FR-10	Future-Road	679.00	-18.97	-35.57	N/A
FR-11	Future-Road	677.00	-23.20	-40.84	N/A
FR-12	Future-Road	685.00	-36.71	-64.48	N/A
FR-13	Future-Road	685.00	-36.97	-64.87	N/A
FR-14	Future-Road	686.00	-52.11	-87.59	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.

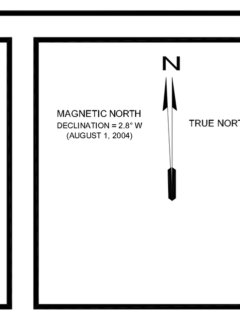
Rosemarie S. Andolino
Executive Director

CHICAGO AIRPORT SYSTEM
John A. Roberson
Commissioner

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

No	Revisions	Date

O'Hare International Airport



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September 2005
Sheet 34 of 56

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