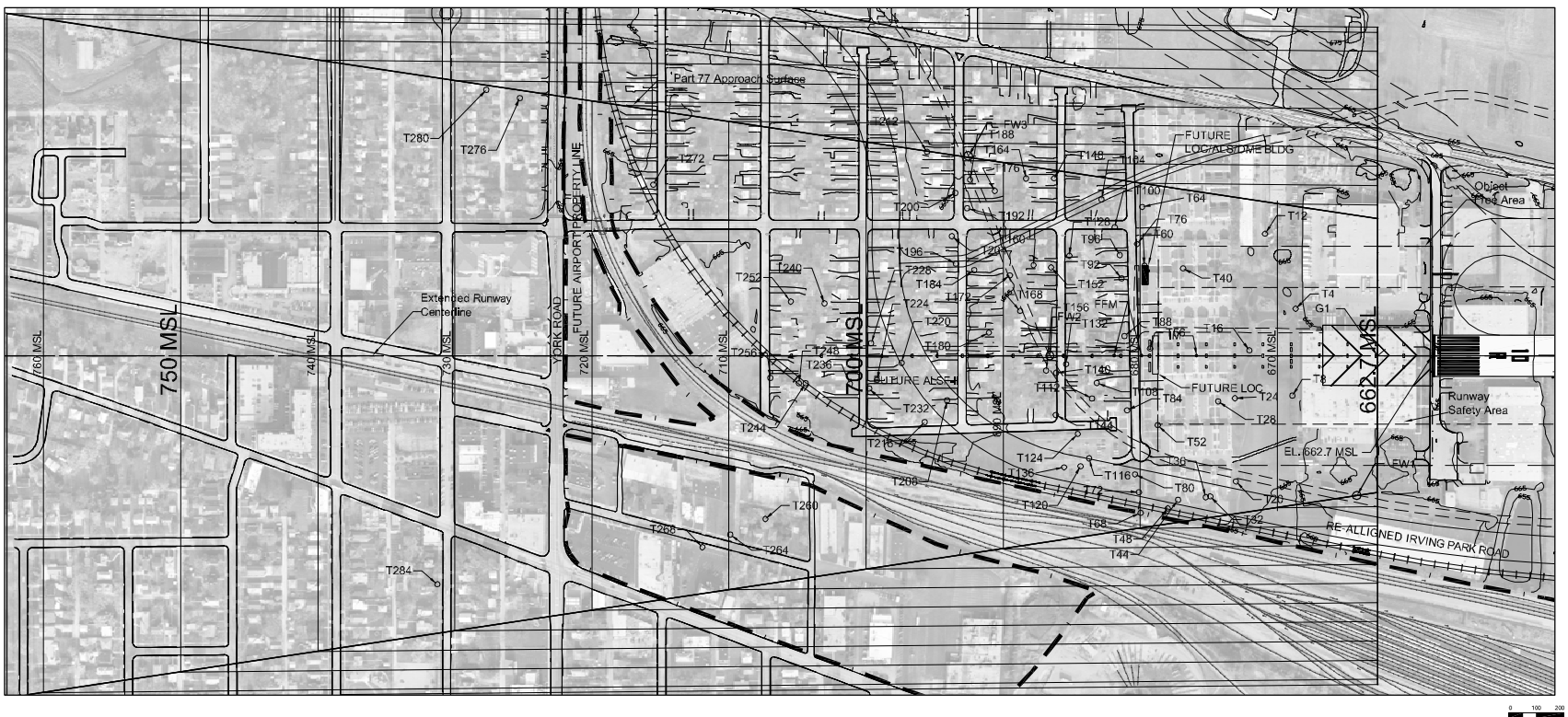

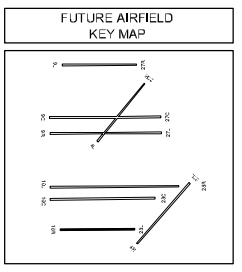

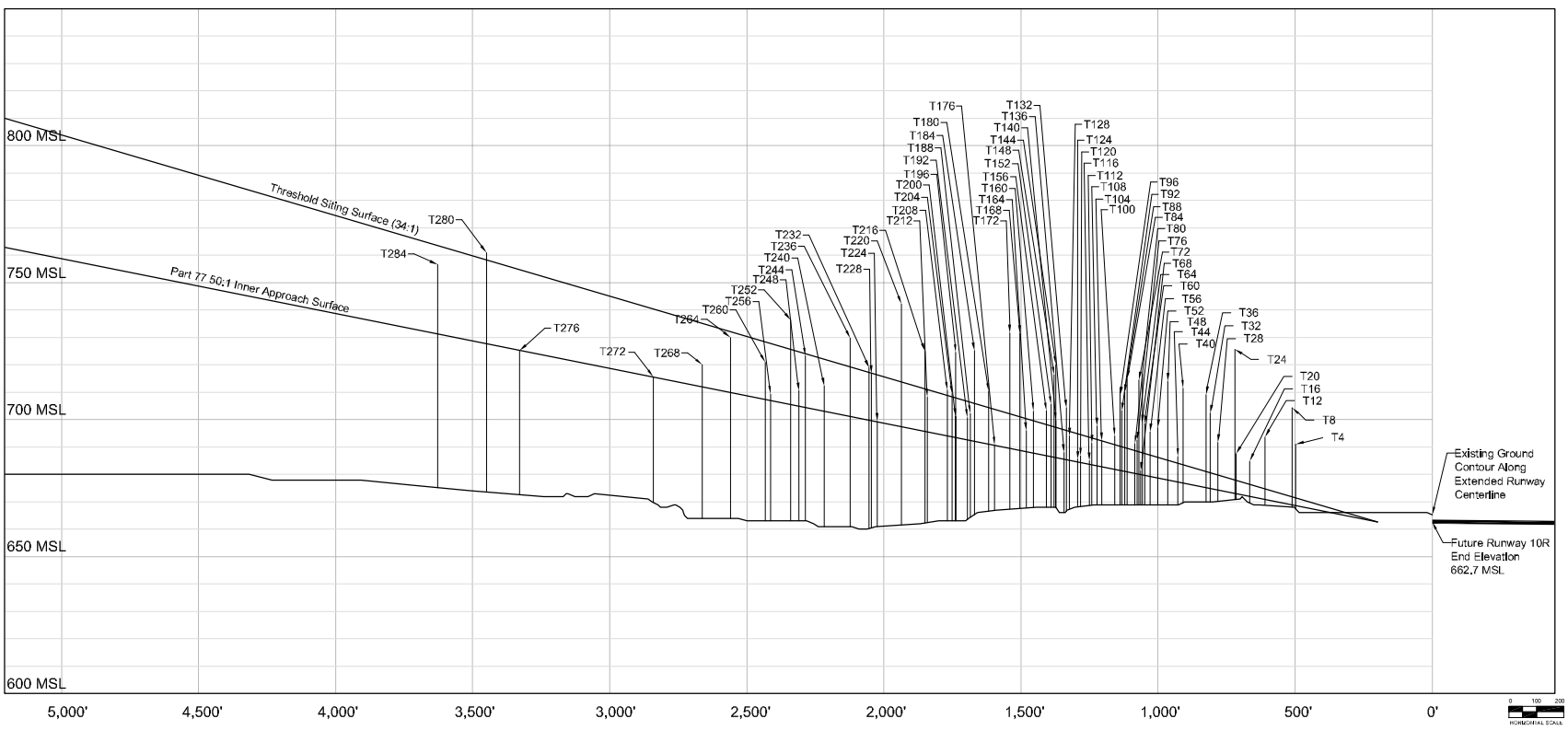

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Surface Penetration	Threshold Siting Surface Penetration	Resolution
T4	Tree Cluster	691.0	22.4	Yes	Remove
T8	Tree Cluster	704.4	35.8	Yes	Remove
T12	Tree	693.7	22.8	Yes	Remove
T16	Tree	684.9	12.9	Yes	Remove
T20	Tree	687.5	14.5	Yes	Remove
T24	Tree	725.7	52.6	Yes	Remove
T28	Tree	691.6	17.3	Yes	Remove
T32	Tree Cluster	702.4	27.9	Yes	Remove
T36	Tree	709.2	34.0	Yes	Remove
T40	Tree	711.3	34.6	Yes	Remove
T44	Tree	686.3	9.3	Yes	Remove
T48	Tree	715.0	36.0	Yes	Remove
T52	Tree	697.1	18.4	Yes	Remove
T56	Tree	695.6	16.3	Yes	Remove
T60	Tree	698.5	18.8	Yes	Remove
T64	Tree	716.7	36.9	Yes	Remove
T68	Tree	681.5	1.5	No	Trim
T72	Tree	714.8	34.4	Yes	Remove
T76	Tree	692.6	12.4	Yes	Trim
T80	Tree	691.3	10.9	Yes	Trim
T84	Tree	715.0	34.0	Yes	Remove
T88	Tree Cluster	709.9	28.8	Yes	Remove
T92	Tree Cluster	703.3	21.9	Yes	Remove
T96	Tree	711.6	30.1	Yes	Remove
T100	Tree Cluster	694.0	12.2	Yes	Trim
T104	Tree Cluster	692.3	9.9	Yes	Trim
T108	Tree Cluster	697.7	14.8	Yes	Trim
T112	Tree Cluster	691.8	8.0	No	Trim
T116	Tree	683.1	1.4	No	Trim
T120	Tree	685.7	2.3	No	Trim
T124	Tree Cluster	685.6	1.0	No	Trim
T128	Tree Cluster	694.0	8.8	No	Trim
T132	Tree Cluster	704.3	18.9	Yes	Remove
T135	Tree Cluster	688.0	2.8	No	Trim
T140	Tree Cluster	699.8	13.8	Yes	Trim
T144	Tree Cluster	720.1	34.0	Yes	Remove
T148	Tree Cluster	716.3	30.1	Yes	Remove
T152	Tree Cluster	705.6	19.1	Yes	Remove
T156	Tree	703.3	16.4	Yes	Remove
T160	Tree Cluster	703.2	15.4	Yes	Trim
T164	Tree	696.1	7.7	No	Trim
T168	Tree	731.9	42.7	Yes	Remove
T172	Tree Cluster	731.7	42.2	Yes	Remove
T176	Tree	680.7	0.1	No	Trim
T180	Tree	710.3	19.3	Yes	Remove
T184	Tree Cluster	728.2	33.1	Yes	Remove
T188	Tree Cluster	702.2	9.8	No	Trim
T192	Tree	700.8	8.2	No	Trim
T196	Tree Cluster	724.9	31.0	Yes	Remove
T200	Tree	701.2	7.7	No	Trim
T204	Tree	709.9	15.8	Yes	Remove
T208	Tree Cluster	71.7	16.6	Yes	Remove
T212	Tree Cluster	708.3	12.7	No	Trim
T216	Tree	728.0	29.2	Yes	Remove
T220	Tree	742.2	44.8	Yes	Remove
T224	Tree	699.4	0.2	No	Trim
T228	Tree Cluster	716.9	17.3	No	Remove
T232	Tree	708.9	19.1	Yes	Remove
T236	Tree	729.7	28.9	Yes	Remove
T240	Tree	712.2	9.2	No	Trim
T244	Tree	723.3	18.9	No	Remove
T248	Tree	710.5	5.8	No	Trim
T252	Tree	736.4	30.9	Yes	Remove
T256	Tree	709.3	2.4	No	Trim
T260	Tree Cluster	720.9	13.5	No	Trim
T264	Tree Cluster	730.0	20.1	No	Remove
T268	Tree	720.1	8.1	No	Trim
T272	Tree	715.6	0.1	No	Trim
T276	Tree Cluster	725.2	0.1	No	Trim
T280	Tree	761.0	33.3	Yes	Remove
T284	Tree	756.9	25.3	No	Remove
FW1	Future Water	T.B.D.	T.B.D.	No	N/A
FW2	Future Water	T.B.D.	T.B.D.	No	N/A
FW3	Future Water	T.B.D.	T.B.D.	No	N/A
G1	Terrain	660.0	3.3	3.3	Grade

Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Surface Penetration	Threshold Siting Surface Penetration	Resolution
FW1	Future Water	T.B.D.	T.B.D.	No	N/A
FW2	Future Water	T.B.D.	T.B.D.	No	N/A
FW3	Future Water	T.B.D.	T.B.D.	No	N/A
G1	Terrain	660.0	3.3	3.3	Grade

FUTURE RUNWAY 10R APPROACH SURFACE (4 of 6)

No.	Revisions	Date

O'Hare International Airport

N

MAGNETIC NORTH
TRUE NORTH

GRAPHICAL SCALE IN FEET

DRAWN BY: WGS/MNT
CHECKED BY: FG
PREPARED BY: Ricondo & Associates, Inc.
October 2003
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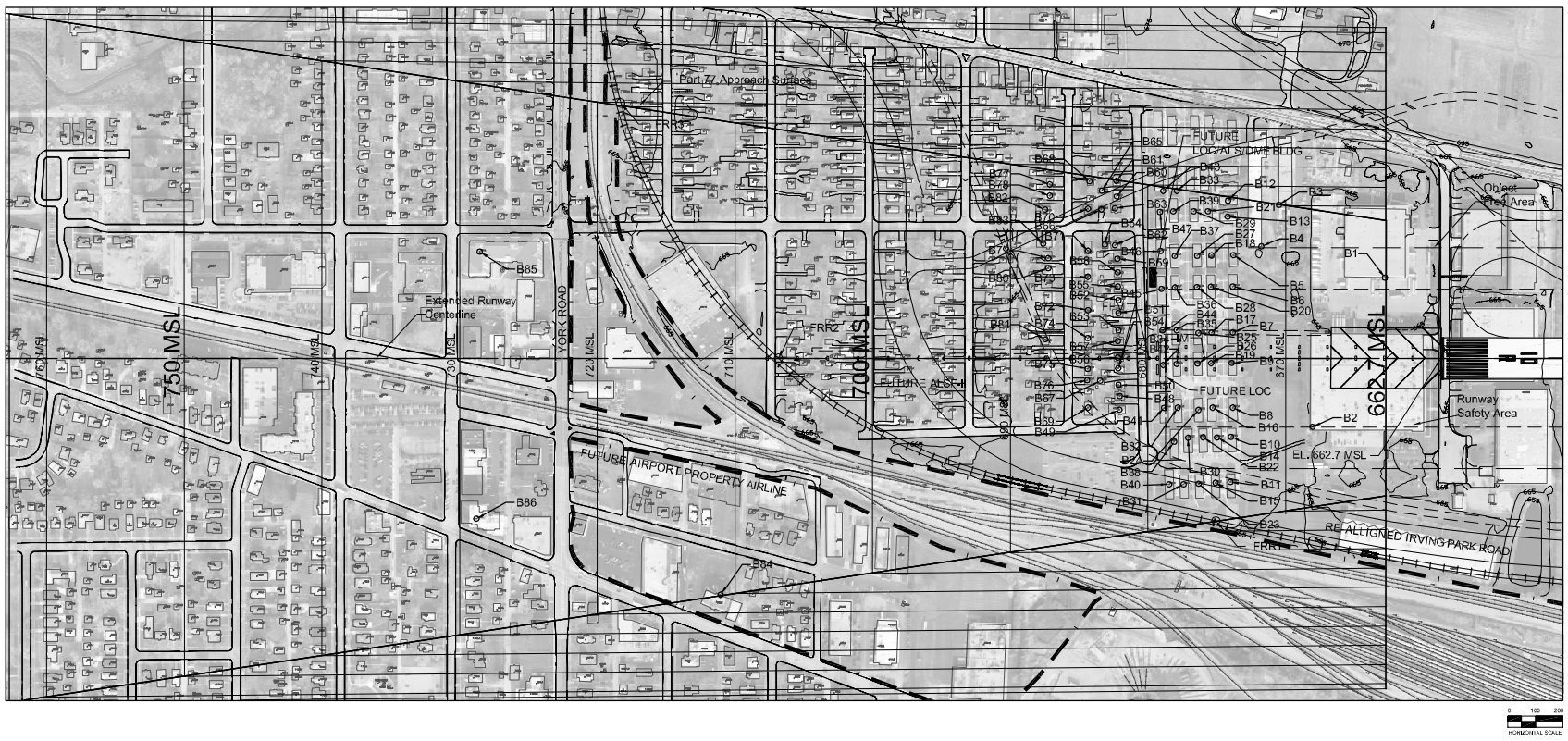
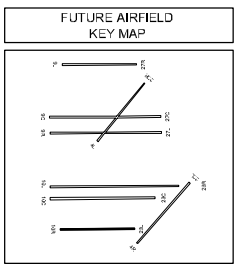
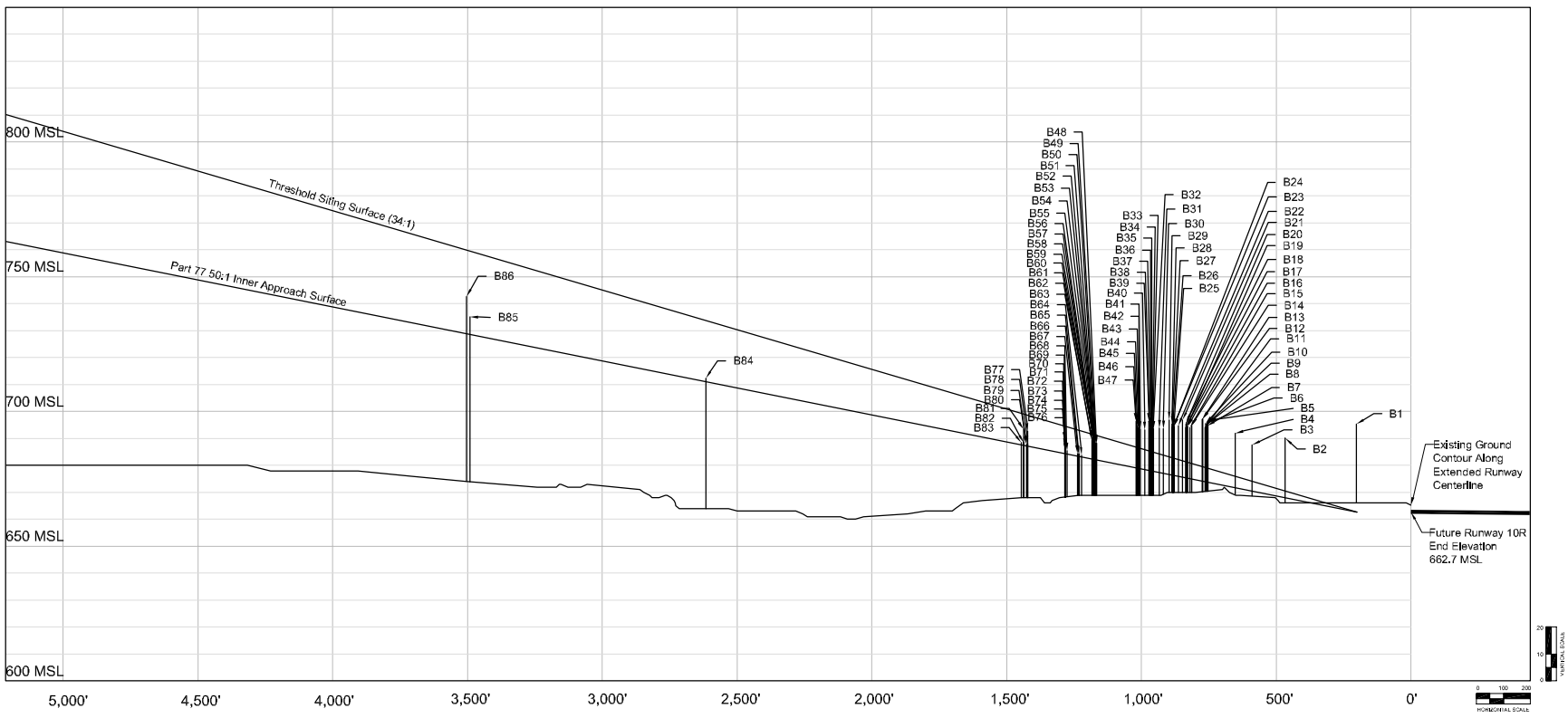
Drawing Z: \Chicago\ORD\OMP\ALP-Drawing\Set-FINAL \32-10R-d-Obstructions.dwg, Layout: 10R, Nov 25, 2003, 1:37pm







Approach Surface Obstructions

No.	Object	Top El. (MSL)	Part 77 Surface Penetration	Threshold Siting Surface Penetration	Resolution
B1	Building	695.4	32.7	Yes	Remove
B2	Building	690.3	22.2	Yes	Remove
B3	Building	687.7	17.2	No	Remove
B4	Building	682.0	20.2	No	Remove
B5	Building	696.7	22.9	Yes	Remove
B6	Building	695.9	22.1	Yes	Remove
B7	Building	694.7	20.9	Yes	Remove
B8	Building	695.4	21.6	Yes	Remove
B9	Building	695.1	21.2	Yes	Remove
B10	Building	695.6	21.6	Yes	Remove
B11	Building	694.1	20.1	Yes	Remove
B12	Building	697.2	23.0	No	Remove
B13	Building	697.1	22.9	No	Remove
B14	Building	694.7	19.8	Yes	Remove
B15	Building	694.1	19.0	Yes	Remove
B16	Building	694.5	19.2	Yes	Remove
B17	Building	694.9	19.1	Yes	Remove
B18	Building	696.1	20.7	Yes	Remove
B19	Building	694.0	18.6	Yes	Remove
B20	Building	695.3	19.9	Yes	Remove
B21	Building	696.8	21.1	No	Remove
B22	Building	694.7	18.7	Yes	Remove
B23	Building	694.4	18.1	Yes	Remove
B24	Building	694.6	19.3	Yes	Remove
B25	Building	694.4	18.1	Yes	Remove
B26	Building	694.2	17.8	Yes	Remove
B27	Building	696.2	19.7	Yes	Remove
B28	Building	695.3	18.9	Yes	Remove
B29	Building	696.8	20.2	No	Remove
B30	Building	693.7	16.6	Yes	Remove
B31	Building	693.1	16.5	Yes	Remove
B32	Building	693.3	15.7	Yes	Remove
B33	Building	691.7	13.8	No	Remove
B34	Building	693.1	15.2	Yes	Remove
B35	Building	693.9	16.0	Yes	Remove
B36	Building	694.8	16.7	Yes	Remove
B37	Building	695.7	17.6	Yes	Remove
B38	Building	693.5	15.4	Yes	Remove
B39	Building	696.3	16.3	No	Remove
B40	Building	693.1	14.7	Yes	Remove
B41	Building	693.4	14.8	Yes	Remove
B42	Building	693.1	14.2	Yes	Remove
B43	Building	691.1	12.2	No	Remove
B44	Building	693.9	15.0	Yes	Remove
B45	Building	697.8	15.8	Yes	Remove
B46	Building	695.7	16.7	Yes	Remove
B47	Building	696.4	17.3	No	Remove
B48	Building	688.1	6.1	No	Remove
B49	Building	688.5	6.4	No	Remove
B50	Building	688.0	5.8	No	Remove
B51	Building	687.8	5.7	No	Remove
B52	Building	687.8	5.7	No	Remove
B53	Building	687.7	5.5	No	Remove
B54	Building	687.7	5.5	No	Remove
B55	Building	688.2	6.1	No	Remove
B56	Building	687.4	5.2	No	Remove
B57	Building	687.2	5.0	No	Remove
B58	Building	688.7	6.5	No	Remove
B59	Building	689.2	6.9	No	Remove
B60	Building	690.1	7.9	No	Remove
B61	Building	690.2	7.9	No	Remove
B62	Building	689.3	6.9	No	Remove
B63	Building	690.2	7.9	No	Remove
B64	Building	683.7	0.8	No	Remove
B65	Building	684.1	0.8	No	Remove
B66	Building	684.4	1.1	No	Remove
B67	Building	684.4	1.0	No	Remove
B68	Building	685.5	1.3	No	Remove
B69	Building	685.8	1.5	No	Remove
B70	Building	686.9	2.6	No	Remove
B71	Building	687.2	2.9	No	Remove
B72	Building	685.3	1.0	No	Remove
B73	Building	686.1	1.8	No	Remove
B74	Building	686.9	2.6	No	Remove
B75	Building	686.9	2.6	No	Remove
B76	Building	689.3	4.9	No	Remove
B77	Building	692.8	5.6	No	Remove
B78	Building	688.1	1.0	No	Remove
B79	Building	687.9	0.6	No	Remove
B80	Building	687.8	0.6	No	Remove
B81	Building	693.4	6.0	No	Remove
B82	Building	688.5	1.0	No	Remove
B83	Building	688.4	0.8	No	Remove
B84	Building	712.3	1.3	No	Remove
B85	Building	738.1	6.6	No	N/A
B86	Building	742.8	13.9	No	N/A

Approach Surface Obstructions

No.	Object	Top El. (MSL)	Part 77 Surface Penetration	Threshold Siting Surface Penetration	Resolution
FRR1	Future Rwy	680.7 [est.]	0.0 [est.]	No	N/A
FRR2	Future Rwy	686.0 [est.]	-20.8 [est.]	No	N/A
FRR3	Future Rwy	695.2 [est.]	-23.7 [est.]	No	N/A

FUTURE RUNWAY 10R APPROACH SURFACE (5 of 6)

No.	Revisions	Date

O'Hare International Airport

N

MAGNETIC NORTH

TRUE NORTH

GRAPHICAL SCALE IN FEET

DRAWN BY: WGS/MNT

CHECKED BY: FG

PREPARED BY: Ricondo & Associates, Inc.

October 2003

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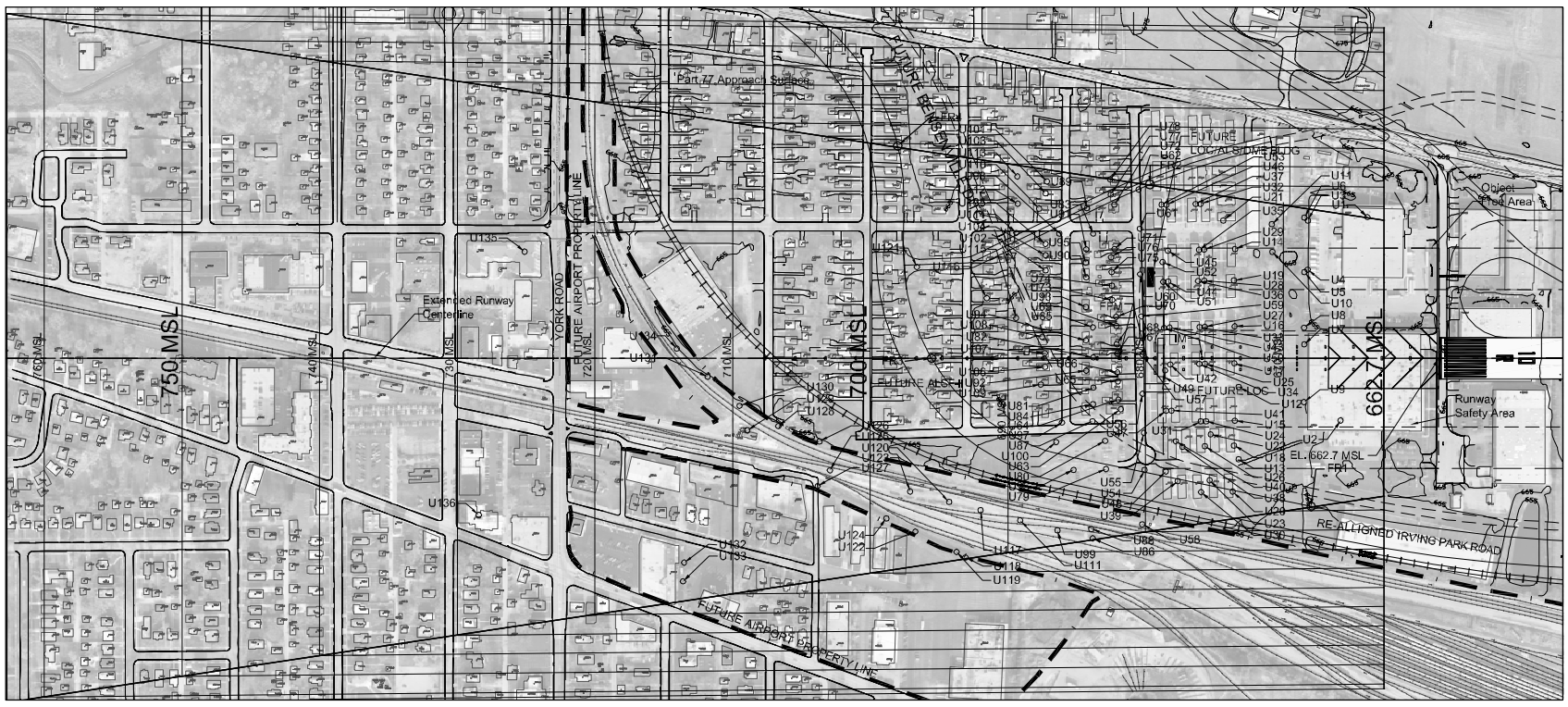
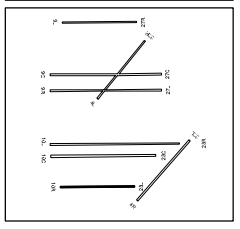
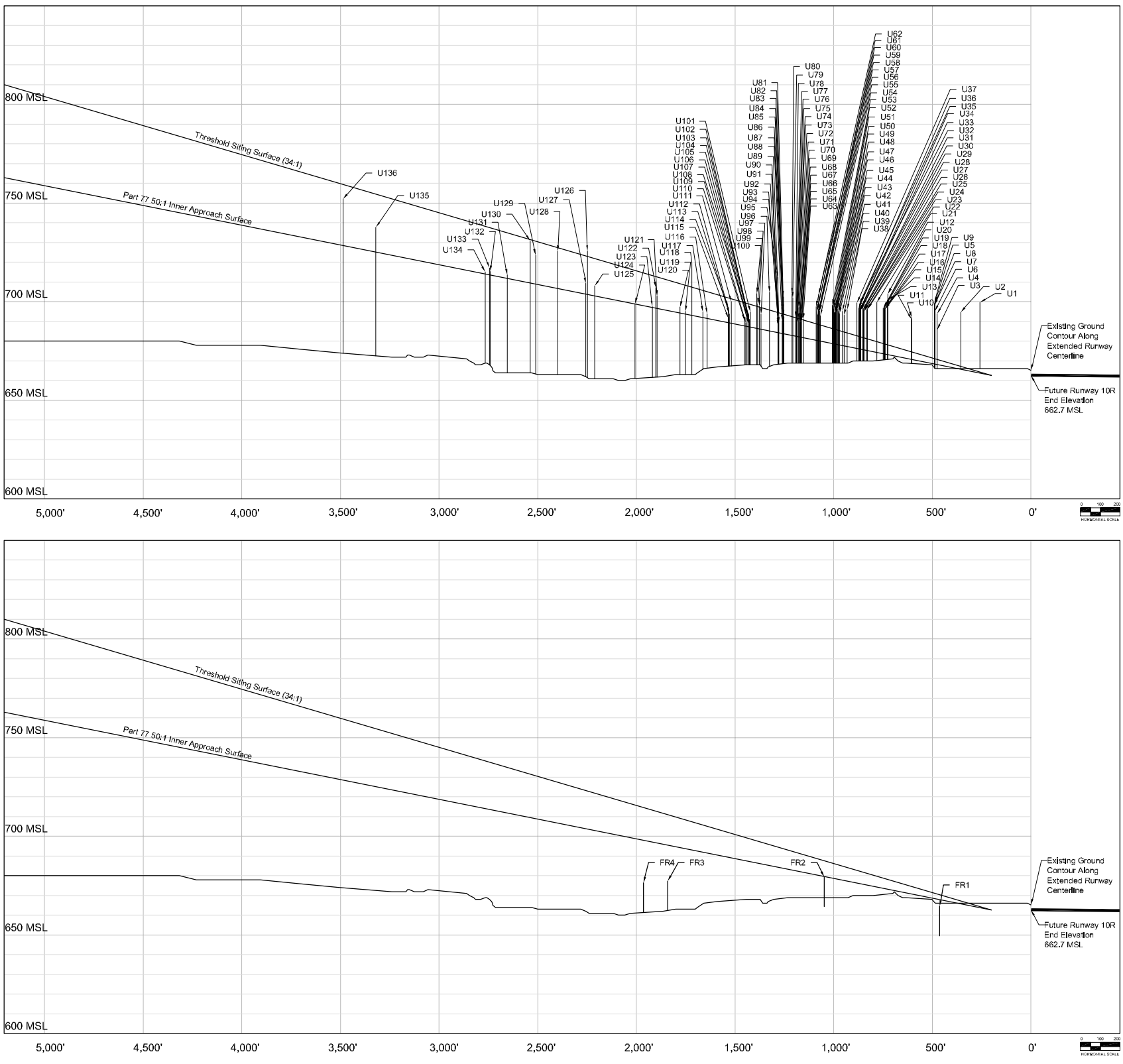


FUTURE AIRFIELD KEY MAP





Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Surface Penetration	Threshold Sifting Surface Penetration	Resolution
U1	Utility	699.7	35.8	Yes	Remove
U2	Utility	694.7	28.9	Yes	Remove
U3	Light Pole	685.8	17.5	Yes	Remove
U4	Light Pole	693.8	25.8	Yes	Remove
U5	Utility Pole	699.6	31.1	Yes	Remove
U6	Utility Pole	695.2	26.8	Yes	Remove
U7	Utility Pole	696.5	30.0	Yes	Remove
U8	Utility Pole	696.0	29.6	Yes	Remove
U9	Utility Pole	695.3	30.8	Yes	Remove
U10	Utility Pole	692.0	21.2	Yes	Remove
U11	Utility Pole	691.1	20.2	Yes	Remove
U12	Light Pole	704.0	30.8	Yes	Remove
U13	Utility Pole	701.0	27.7	Yes	Remove
U14	Utility	698.2	24.7	Yes	Remove
U15	Utility	696.3	22.8	Yes	Remove
U16	Utility	696.1	22.6	Yes	Remove
U17	Utility	696.0	22.5	Yes	Remove
U18	Utility	697.2	23.6	Yes	Remove
U19	Utility	697.1	23.5	Yes	Remove
U20	Utility	696.7	23.0	Yes	Remove
U21	Utility	699.7	25.3	Yes	Remove
U22	Utility	696.3	21.0	Yes	Remove
U23	Utility	696.0	20.6	Yes	Remove
U24	Utility	695.3	19.7	Yes	Remove
U25	Utility	694.8	19.2	Yes	Remove
U26	Utility	696.2	20.5	Yes	Remove
U27	Utility	695.6	19.9	Yes	Remove
U28	Utility	695.8	20.1	Yes	Remove
U29	Utility	695.1	22.3	Yes	Remove
U30	Utility	696.6	20.6	Yes	Remove
U31	Utility	695.5	19.5	Yes	Remove
U32	Utility	699.9	23.5	Yes	Remove
U33	Utility	695.3	19.2	Yes	Remove
U34	Utility	695.3	19.2	Yes	Remove
U35	Utility	696.6	22.4	Yes	Remove
U36	Utility	696.0	20.4	Yes	Remove
U37	Utility	699.4	23.1	Yes	Remove
U38	Utility	695.9	18.6	Yes	Remove
U39	Utility	693.2	15.8	Yes	Remove
U40	Utility	695.2	17.4	Yes	Remove
U41	Utility	694.1	15.9	Yes	Remove
U42	Utility	694.5	16.3	Yes	Remove
U43	Utility	695.1	16.9	Yes	Remove
U44	Utility	696.4	18.0	Yes	Remove
U45	Utility	697.8	19.2	Yes	Remove
U46	Utility	698.4	18.9	Yes	Remove
U47	Utility	694.4	15.8	Yes	Remove
U48	Utility	695.2	16.6	Yes	Remove
U49	Utility	694.4	15.8	Yes	Remove
U50	Utility	694.7	16.0	Yes	Remove
U51	Utility	696.3	17.6	Yes	Remove
U52	Utility	697.8	19.0	Yes	Remove
U53	Utility	698.4	19.5	Yes	Remove
U54	Light Pole	692.9	12.8	Yes	Remove
U55	Light Pole	695.4	15.2	Yes	Remove
U56	Light Pole	694.6	14.4	Yes	Remove
U57	Light Pole	695.3	15.3	Yes	Remove
U58	Utility	703.7	23.5	Yes	Remove
U59	Light Pole	693.3	13.2	Yes	Remove
U60	Light Pole	695.8	15.4	Yes	Remove
U61	Light Pole	695.1	14.7	Yes	Remove
U62	Light Pole	697.6	17.1	Yes	Remove
U63	Utility	691.2	9.4	No	Remove
U64	Utility	690.0	8.1	No	Remove
U65	Utility	690.9	8.9	No	Remove
U66	Utility	689.1	7.0	No	Remove
U67	Utility	689.1	7.0	No	Remove
U68	Utility	689.8	7.7	No	Remove
U69	Utility	694.4	12.3	Yes	Remove
U70	Utility	689.4	7.3	No	Remove
U71	Utility	691.1	8.9	No	Remove
U72	Utility	697.2	14.9	No	Remove
U73	Utility	688.7	6.3	No	Remove
U74	Utility	690.4	8.0	No	Remove
U75	Utility	691.0	8.5	No	Remove
U76	Utility	690.9	8.4	No	Remove
U77	Utility	691.9	9.3	No	Remove
U78	Utility	692.1	9.55	Yes	Remove
U79	Light Pole	702.0	19.1	Yes	Remove
U80	Light Pole	704.0	21.1	Yes	Remove
U81	Utility Pole	690.8	9.0	No	Remove
U82	Utility Pole	688.9	5.1	No	Remove
U83	Utility Pole	702.4	18.6	No	Remove
U84	Utility Pole	691.4	7.6	No	Remove
U85	Utility Pole	695.3	11.7	Yes	Remove
U86	Utility Pole	702.4	18.6	No	Remove
U87	Utility Pole	694.2	10.3	Yes	Remove
U88	Utility	690.4	6.4	No	Remove
U89	Utility	689.2	4.9	No	Remove
U90	Utility	687.0	2.7	No	Remove
U91	Utility	689.4	5.1	No	Remove
U92	Utility	688.3	4.2	No	Remove
U93	Utility	687.7	3.3	No	Remove
U94	Utility	688.8	4.5	No	Remove
U95	Utility	712.4	28.0	No	Remove
U96	Light Pole	704.9	19.7	Yes	Remove
U97	Light Pole	693.6	7.5	No	Remove
U98	Light Pole	697.8	11.5	Yes	Remove
U99	Utility Pole	698.9	12.5	Yes	Remove
U100	Light Pole	704.2	17.6	Yes	Remove
U101	Utility	695.0	7.8	No	Remove
U102	Utility	690.1	2.8	No	Remove
U103	Utility	691.1	3.8	No	Remove
U104	Utility	691.1	3.8	No	Remove
U105	Utility	690.3	3.0	No	Remove
U106	Utility	688.9	1.6	No	Remove
U107	Utility	688.8	1.5	No	Remove
U108	Utility	693.7	6.2	No	Remove
U109	Utility	689.4	1.7	No	Remove
U110	Utility	690.7	2.9	No	Remove
U111	Utility Pole	700.0	10.9	No	Remove
U112	Utility Pole	693.9	4.6	No	Remove
U113	Utility Pole	693.9	4.6	No	Remove
U114	Utility Pole	697.3	7.9	No	Remove
U115	Utility Pole	691.7	2.3	No	Remove
U116	Utility	693.8	2.2	No	Remove
U117	Utility Pole	694.9	2.9	No	Remove
U118	Utility Pole	719.6	26.5	No	Remove
U119	Light Pole	695.1	1.4	No	Remove
U120	Utility Pole	697.2	2.9	No	Remove
U121	Utility Pole	702.8	6.2	No	Remove
U122	Utility Pole	707.1	10.3	No	Remove
U123	Utility Pole	697.6	0.5	No	Remove
U124	Utility Pole	698.9	0.1	No	Remove
U125	Utility Pole	707.9	5.0	No	Remove
U126	Utility Pole	725.5	21.9	Yes	Remove
U127	Utility Pole	709.4	5.5	No	Remove
U128	Utility Pole	725.6	18.9	No	Remove
U129	Utility Pole	723.6	14.7	No	Remove
U130	Utility Pole	730.9	21.4	No	Remove
U131	Utility Pole	713.5	1.7	No	Remove
U132	Utility Pole	715.3	1.8	No	Remove
U133	Utility Pole	717.2	3.6	No	Remove
U134	Utility Pole	715.1	1.1	No	Remove
U135	Utility	737.7	12.6	No	Remove
U136	Utility	752.1	23.6	No	Remove
FR1	Future Road	664.5 (est.)	-3.3 (est.)	No	N/A
FR2	Future Road	679.4 (est.)	0.0 (est.)	No	N/A
FR3	Future Road	677.3 (est.)	-14.8 (est.)	No	N/A
FR4	Future Road	676.4 (est.)	-18.2 (est.)	No	N/A

FUTURE RUNWAY 10R APPROACH SURFACE (6 of 6)

No.	Revisions	Date

O'Hare International Airport

GRAPHICAL SCALE IN FEET

DRAWN BY: WGS/MNT

CHECKED BY: FG

PREPARED BY: Ricondo & Associates, Inc.

October 2003

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Drawing Z: \Chicago\ORD\OMP\ALP-DrawingSet-FINAL \34-10R-Obstructions.dwg, Layout: 10R, Nov 25, 2003, 1:47pm