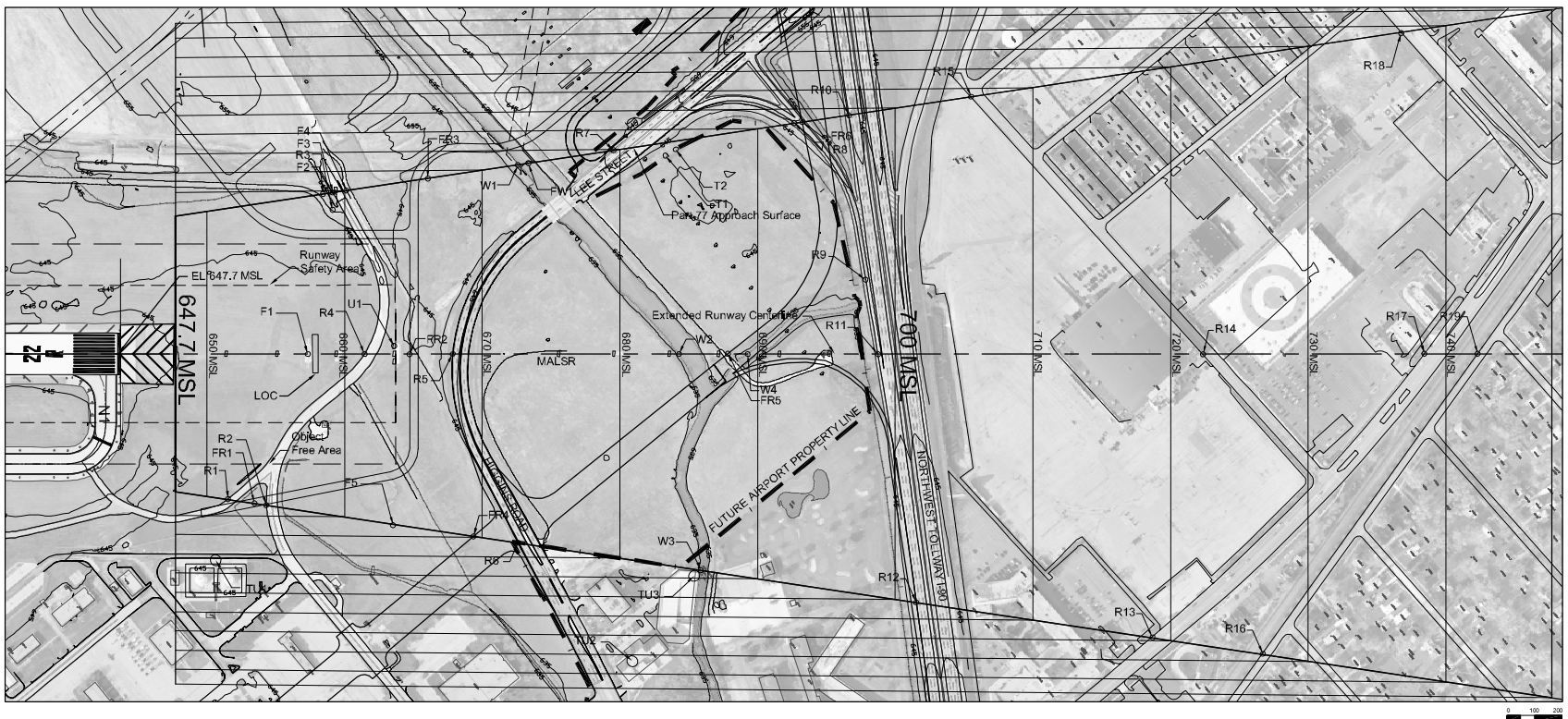
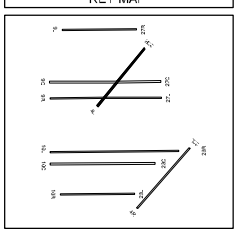
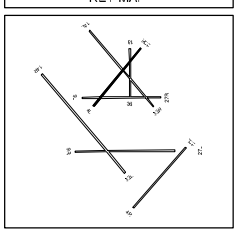


FUTURE AIRFIELD KEY MAP



EXISTING AIRFIELD KEY MAP

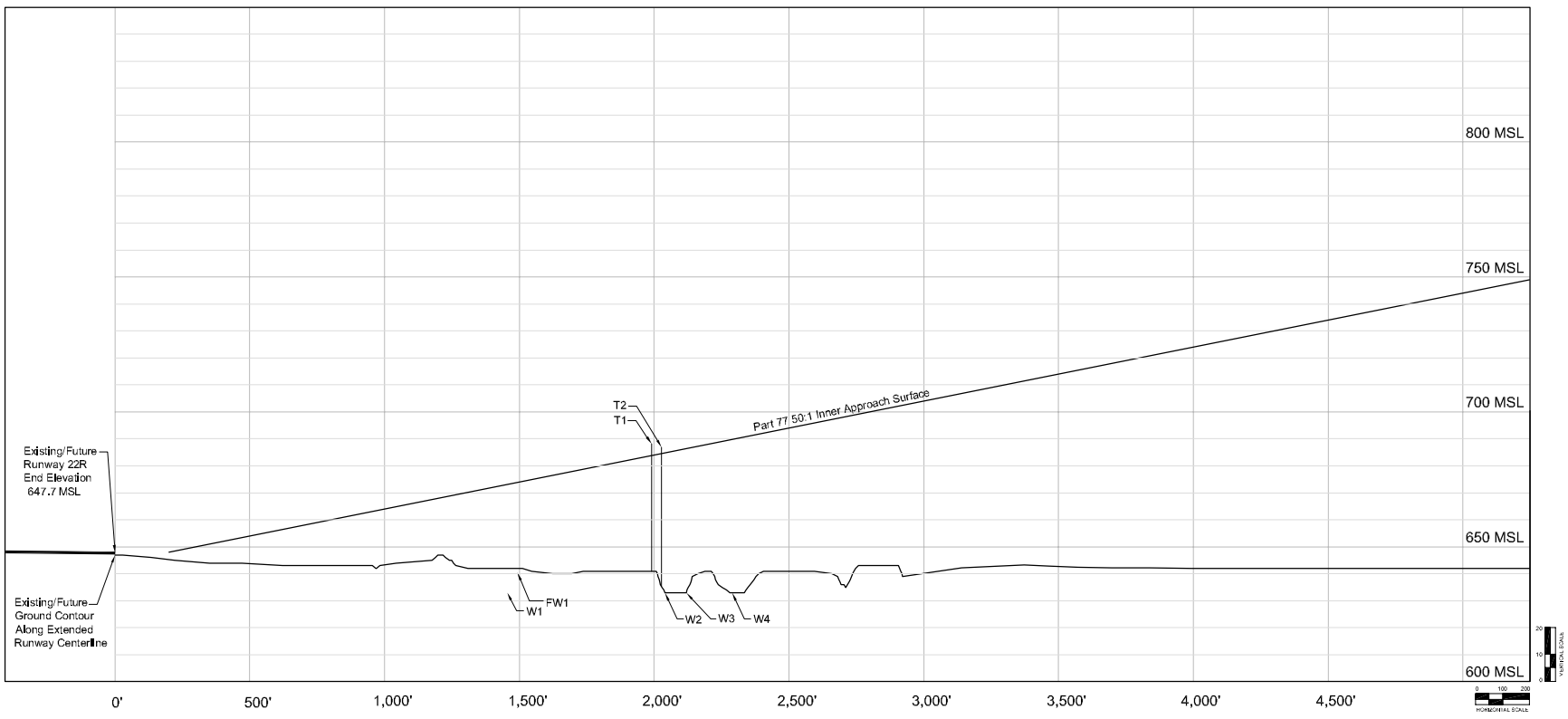


Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TU1	Light Pole	683.8	0.7	Remove
TU2	Light Pole	744.1	10.7	N/A
TU3	Light Pole	699.1	6.4	N/A

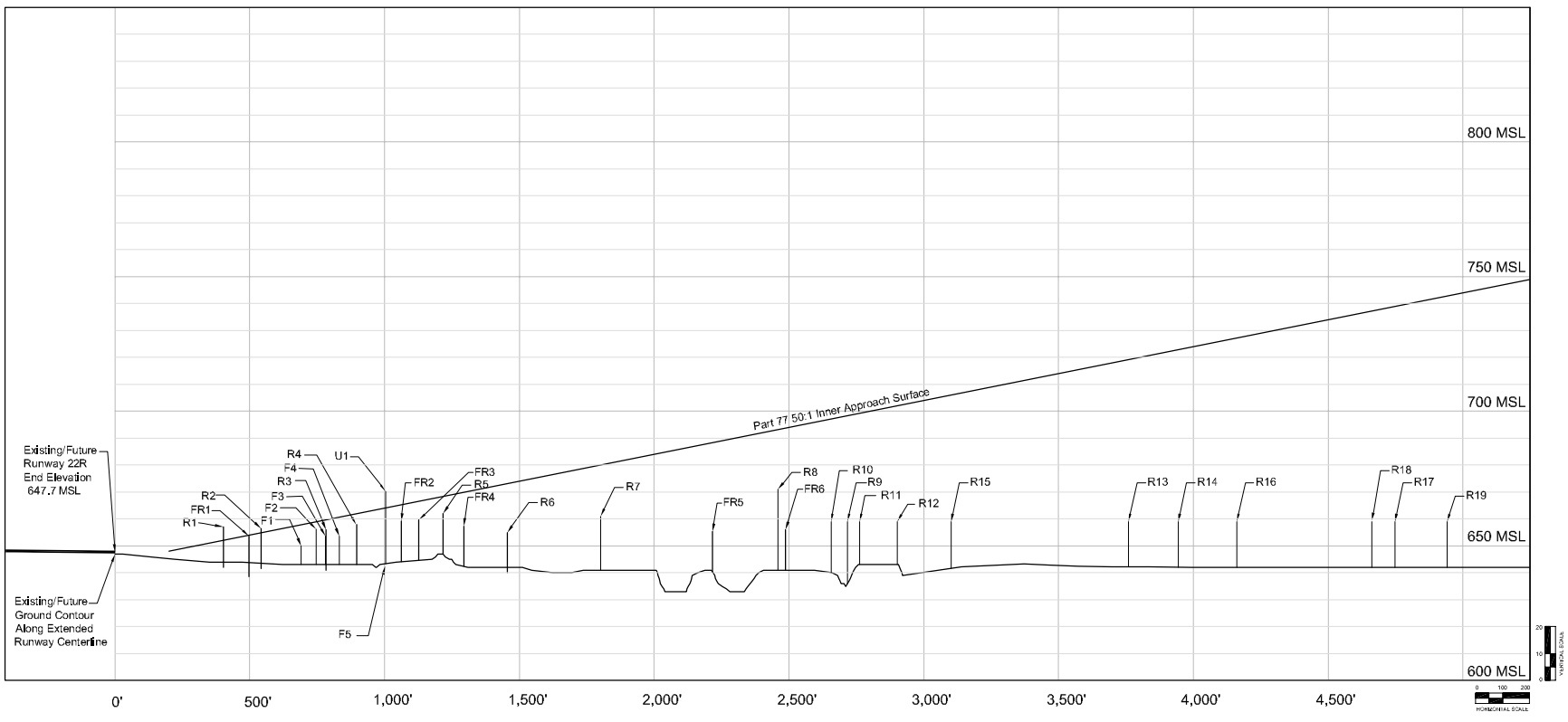
Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
T1	Tree Cluster	686.1	4.6	Trim
T2	Tree Cluster	686.9	2.8	Trim
W1	Water	633.0	-39.8	N/A
W2	Water	633.0	-51.3	N/A
W3	Water	633.0	-53.1	N/A
W4	Water	633.0	-56.9	N/A
FW1	Future Water	To Be Determined	T.B.D.	N/A



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
F1	Fence	650.0	-7.6	N/A
F2	Fence	656.1	-2.6	N/A
F3	Fence	653.8	-5.7	N/A
F4	Fence	653.8	-6.7	N/A
F5	Fence	642.4	-21.4	N/A
R1	Road	657.0	5.3	N/A
R2	Road	656.5	2.0	N/A
R3	Road	656.0	-3.4	N/A
R4	Road	655.0	-3.6	N/A
R5	Road	662.0	-6.1	N/A
R6	Road	669.0	-17.5	N/A
R7	Road	661.0	-18.8	N/A
R8	Road	671.0	-21.9	N/A
R9	Road	659.0	-39.1	N/A
R10	Road	659.0	-37.6	N/A
R11	Road	659.0	-39.9	N/A
R12	Road	659.0	-42.7	N/A
R13	Road	659.0	-59.8	N/A
R14	Road	659.0	-63.5	N/A
R15	Road	659.0	-66.7	N/A
R16	Road	659.0	-64.5	N/A
R17	Road	659.0	-79.6	N/A
R18	Road	659.0	-77.9	N/A
R19	Road	659.0	-83.5	N/A
U1	UHF	670.2	6.0	Remove
FR1	Future Road	653.7 [est.]	0.0 [est.]	N/A
FR2	Future Road	659.1 [est.]	-6.1 [est.]	N/A
FR3	Future Road	659.6 [est.]	-6.6 [est.]	N/A
FR4	Future Road	657.3 [est.]	-12.5 [est.]	N/A
FR5	Future Road	655.2 [est.]	-33.1 [est.]	N/A
FR6	Future Road	656.0 [est.]	-37.7 [est.]	N/A



EXISTING/FUTURE RUNWAY 22R APPROACH SURFACE

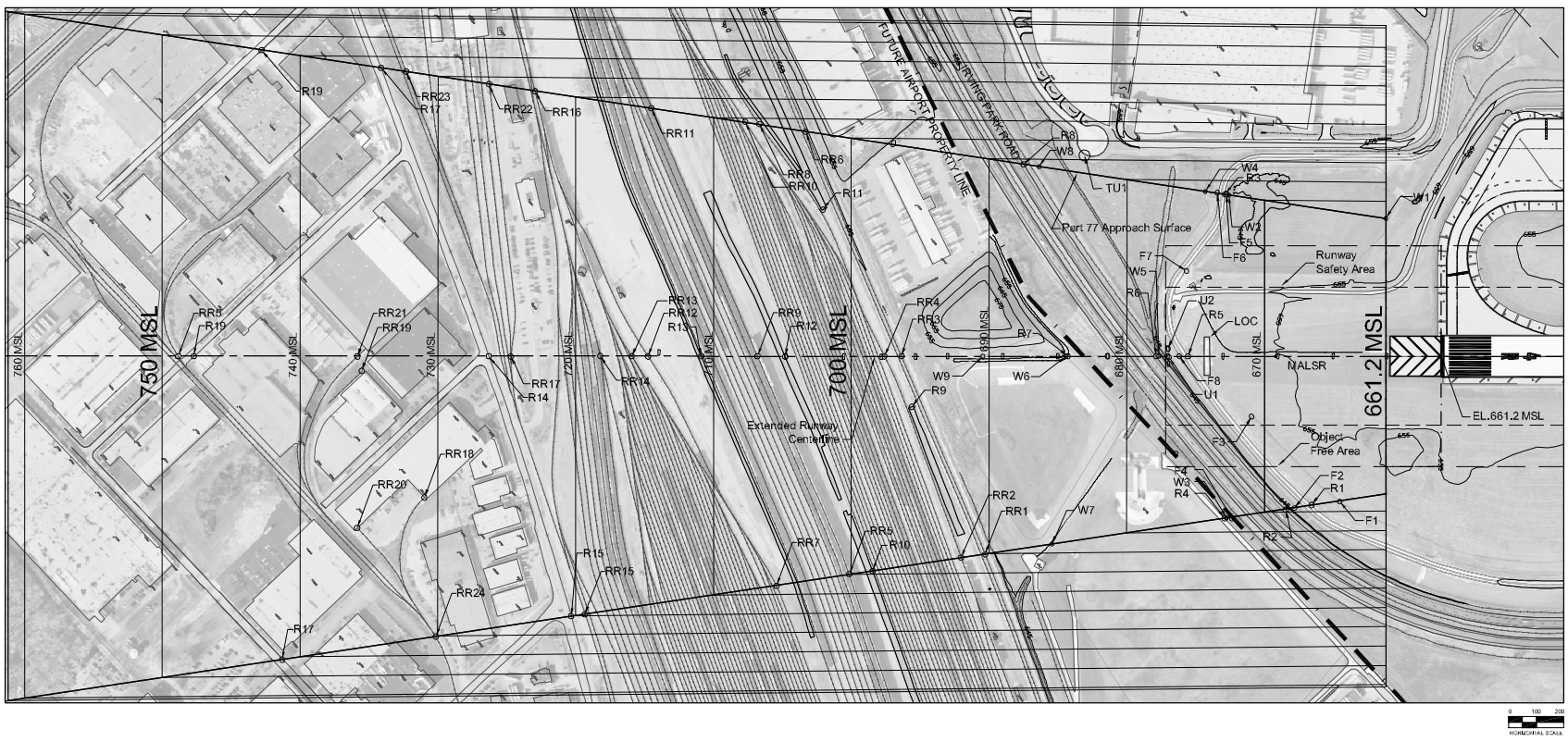
No	Revisions	Date

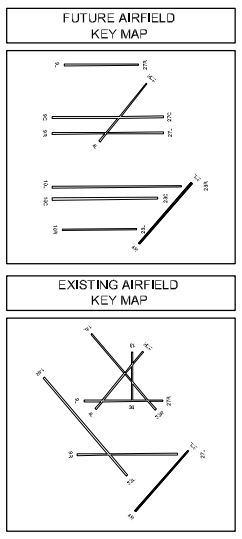
O'Hare International Airport

MAGNETIC NORTH
GRID NORTH (UTM)
TRUE NORTH
GRAPHICAL SCALE IN FEET
ALL DRAWING ELEVATIONS IN FEET

DRAWN BY: WGS/MNT
CHECKED BY: FG
PREPARED BY: Ricondo & Associates, Inc.
October 2003
Sheet 15 of 50

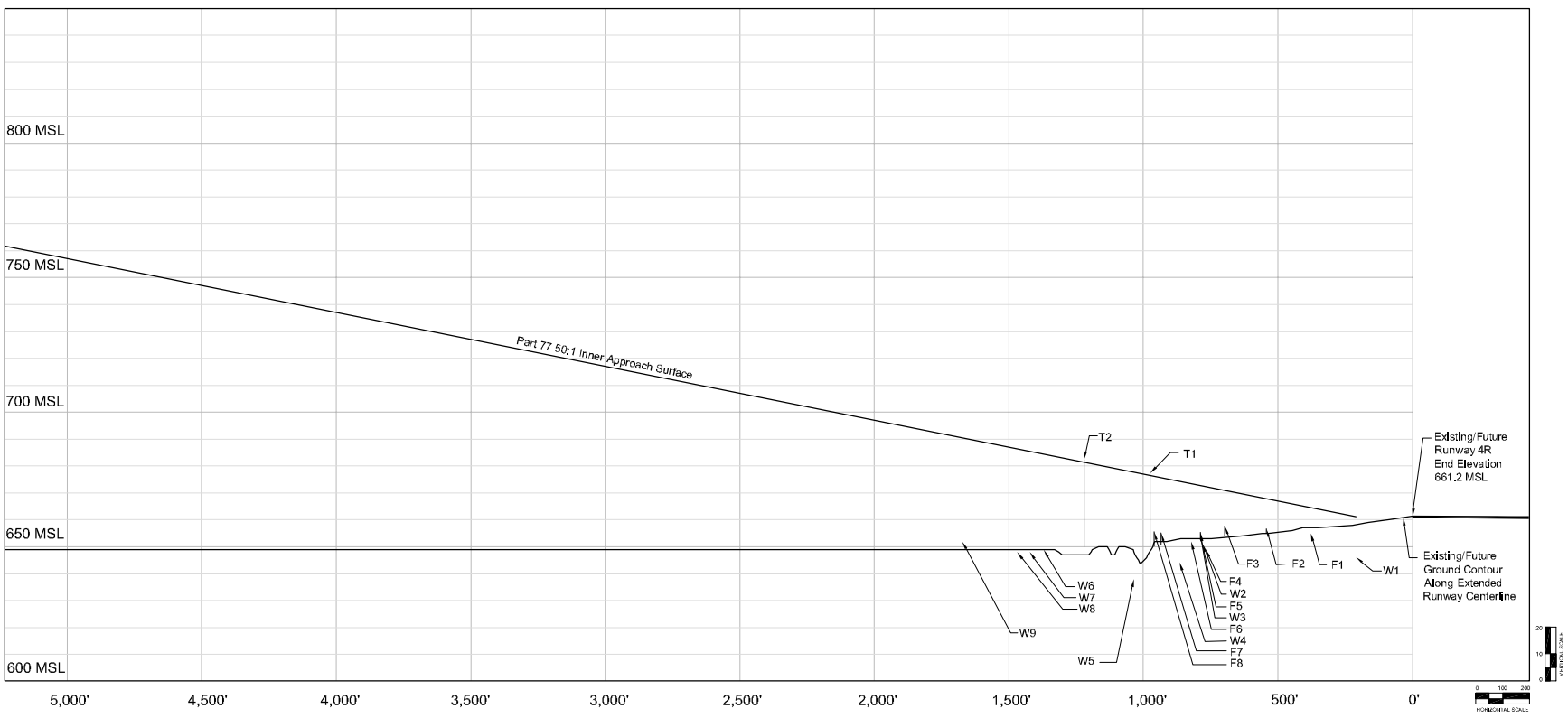
Drawing Z: \Chicago\ORD\OMP\ALP-Drawing Set-FINAL \15-22R-Obstructions.dwg, Layout: 22R, Nov 24, 2003, 4:34pm





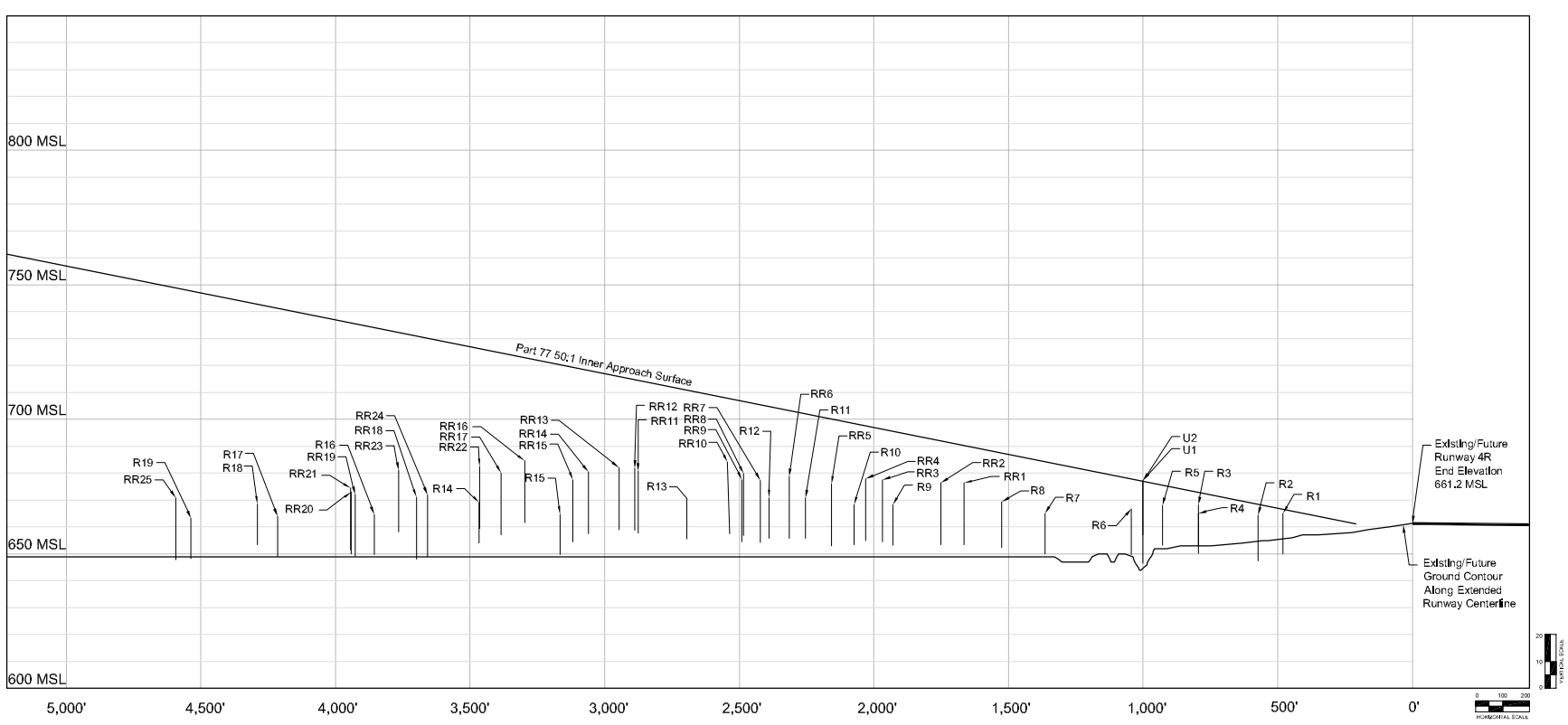
Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TU1	Light Pole	684.7	2.4	Remove



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
F1	Fence	655.0	-9.5	N/A
F2	Fence	656.7	-11.2	N/A
F3	Fence	657.6	-13.3	N/A
F4	Fence	649.1	-23.3	N/A
F5	Fence	653.3	-17.5	N/A
F6	Fence	652.0	-21.5	N/A
F7	Fence	655.2	-20.5	N/A
F8	Fence	655.6	-20.7	N/A
T1	Tree Cluster	677.3	0.8	Remove
T2	Tree	684.0	1.0	Trim
W1	Water	646.2	-15.0	N/A
W2	Water	651.0	-21.5	N/A
W3	Water	653.0	-17.7	N/A
W4	Water	644.2	-30.1	N/A
W5	Water	638.0	-39.6	N/A
W6	Water	649.0	-35.4	N/A
W7	Water	648.0	-37.4	N/A
W8	Water	648.0	-38.3	N/A
W9	Water	652.0	-38.9	N/A



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
U1	Utility Pole	677.2	1.1	Remove
U2	Utility Pole	677.2	1.1	Remove
R1	Road	665.1	-1.5	N/A
R2	Road	664.4	-4.1	N/A
R3	Road	665.2	-4.6	N/A
R4	Road	665.1	-7.8	N/A
R5	Road	665.1	-7.7	N/A
R6	Road	666.7	-11.2	N/A
R7	Road	668.0	-19.3	N/A
R8	Road	669.3	-18.2	N/A
R9	Road	668.2	-27.4	N/A
R10	Road	668.3	-30.1	N/A
R11	Road	670.7	-31.3	N/A
R12	Road	670.8	-34.0	N/A
R13	Road	670.6	-40.3	N/A
R14	Road	669.1	-57.3	N/A
R15	Road	664.7	-55.5	N/A
R16	Road	664.7	-69.3	N/A
R17	Road	664.0	-77.1	N/A
R18	Road	668.5	-96.8	N/A
R19	Road	663.2	-84.4	N/A
RR1	Railroad*	676.3	-14.0	N/A
RR2	Railroad*	676.4	-15.7	N/A
RR3	Railroad*	677.5	-18.8	N/A
RR4	Railroad*	677.9	-19.7	N/A
RR5	Railroad*	676.0	-24.2	N/A
RR6	Railroad*	678.8	-24.9	N/A
RR7	Railroad*	677.4	-28.1	N/A
RR8	Railroad*	679.8	-26.8	N/A
RR9	Railroad*	677.9	-29.3	N/A
RR10	Railroad*	680.9	-27.2	N/A
RR11	Railroad*	680.7	-33.8	N/A
RR12	Railroad*	681.9	-32.9	N/A
RR13	Railroad*	682.1	-33.9	N/A
RR14	Railroad*	680.9	-37.7	N/A
RR15	Railroad*	677.9	-41.8	N/A
RR16	Railroad*	684.6	-38.4	N/A
RR17	Railroad*	680.1	-44.6	N/A
RR18	Railroad*	671.1	-59.9	N/A
RR19	Railroad*	672.2	-63.3	N/A
RR20	Railroad*	673.1	-62.8	N/A
RR21	Railroad*	674.9	-61.4	N/A
RR22	Railroad*	682.4	-43.7	N/A
RR23	Railroad	681.2	-50.9	N/A
RR24	Railroad	671.9	-38.1	N/A
RR25	Railroad	670.8	-78.0	N/A

* Representative obstruction points over railyard

EXISTING/FUTURE RUNWAY 4R APPROACH SURFACE

No	Revisions	Date

O'Hare International Airport

DRAWN BY: WGS/MNT

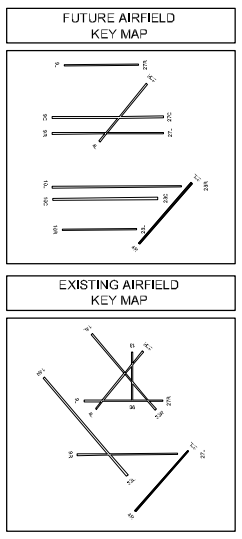
CHECKED BY: FG

PREPARED BY: Ricondo & Associates, Inc.

October 2003

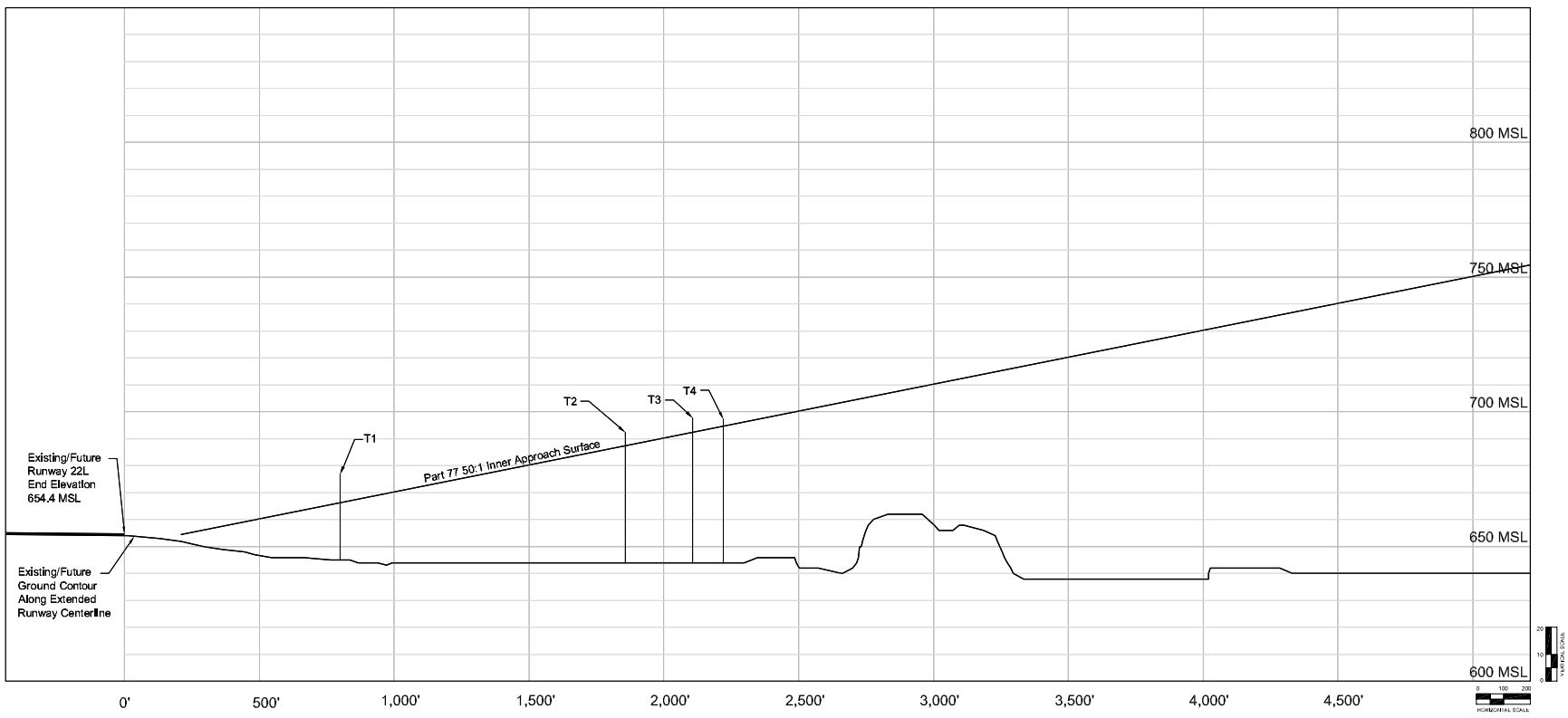
Sheet 16 of 50

Drawing Z: \Chicago\ORD\OMP\ALP-DrawingSet-FINAL \16-4R-Obstructions.dwg, Layout: 4R, Nov 23, 2009, 9:18am



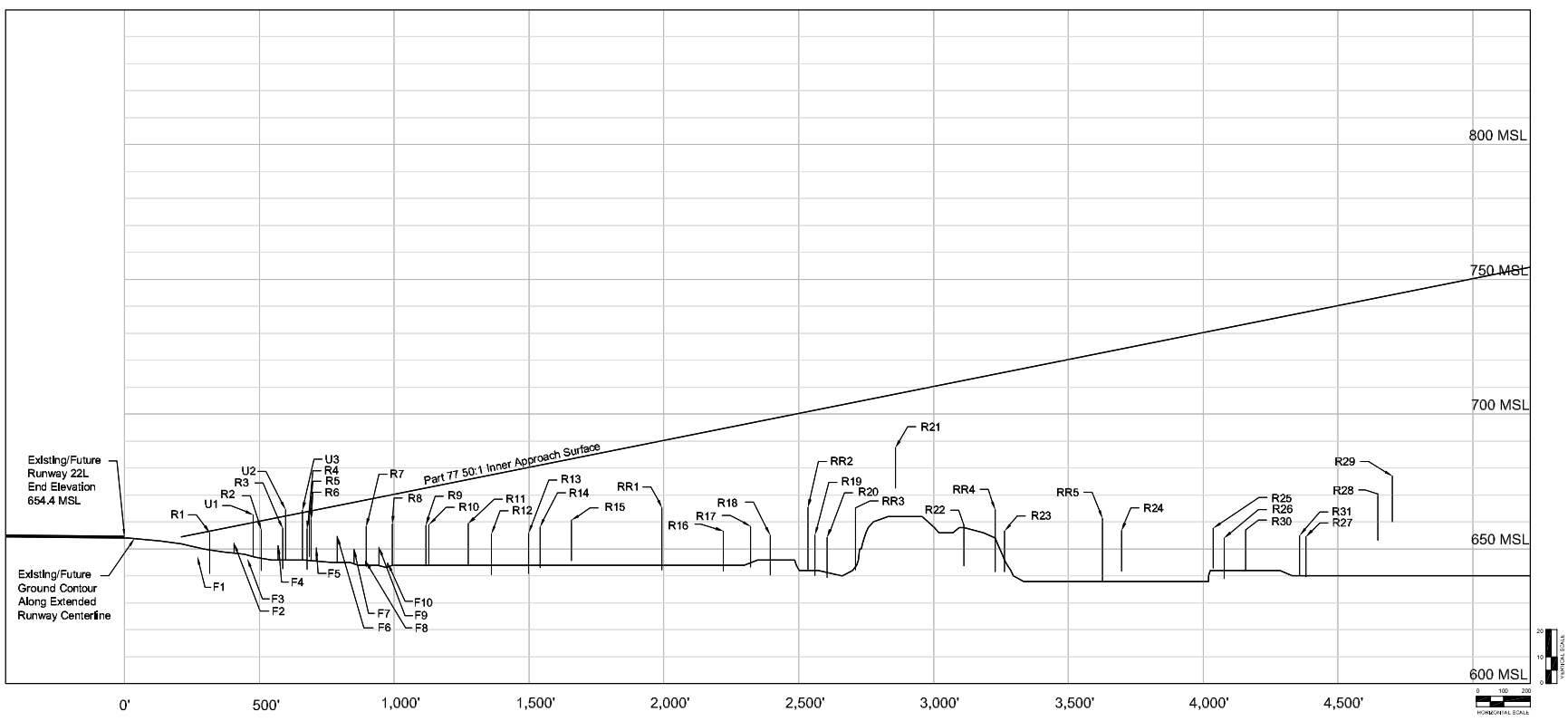
Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TT1	Tree	746.2	45.8	Remove
TT2	Tree	728.2	10.0	Remove
TT3	Tree	715.4	17.3	Remove
TT4	Tree	738.4	25.0	Remove
TT5	Tree	761.4	31.1	Remove
TT6	Tree	733.0	15.0	Remove



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
T1	Tree Cluster	676.8	10.4	Remove
T2	Tree	692.3	4.8	Trim
T3	Tree Cluster	697.8	5.3	Trim
T4	Tree Cluster	697.2	2.4	Trim



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
F1	Fence	647.2	-5.4	N/A
F2	Fence	650.1	-6.2	N/A
F3	Fence	646.4	-12.9	N/A
F4	Fence	651.3	-10.3	N/A
F5	Fence	650.4	-14.1	N/A
F6	Fence	654.6	-11.3	N/A
F7	Fence	649.9	-17.3	N/A
F8	Fence	645.5	-22.9	N/A
F9	Fence	650.7	-18.4	N/A
F10	Fence	644.8	-24.9	N/A
R1	Road	658.0	-0.8	N/A
R2	Road	657.1	-3.2	N/A
R3	Road	654.0	-4.3	N/A
R4	Road	657.4	-4.3	N/A
R5	Road	662.3	-1.6	N/A
R6	Road	660.8	-3.2	N/A
R7	Road	656.4	-9.7	N/A
R8	Road	659.2	-10.9	N/A
R9	Road	658.9	-13.7	N/A
R10	Road	659.0	-13.8	N/A
R11	Road	659.4	-16.3	N/A
R12	Road	658.5	-21.9	N/A
R13	Road	659.9	-24.3	N/A
R14	Road	658.2	-22.9	N/A
R15	Road	660.6	-22.7	N/A
R16	Road	656.7	-37.9	N/A
R17	Road	658.4	-38.2	N/A
R18	Road	658.2	-42.8	N/A
R19	Road	658.2	-46.2	N/A
R20	Road	654.4	-47.9	N/A
R21	Road	672.5	-19.9	N/A
R22	Road	658.8	-53.7	N/A
R23	Road	656.7	-58.8	N/A
R24	Road	656.8	-67.4	N/A
R25	Road	657.8	-73.1	N/A
R26	Road	654.1	-77.7	N/A
R27	Road	654.6	-83.2	N/A
R28	Road	656.0	-72.9	N/A
R29	Road	677.0	-67.2	N/A
R30	Road	655.9	-76.3	N/A
R31	Road	655.0	-82.3	N/A
RR1	Railroad	669.3	-24.7	N/A
RR2	Railroad	665.4	-35.5	N/A
RR3	Railroad	665.3	-39.2	N/A
RR4	Railroad	664.6	-50.2	N/A
RR5	Railroad	661.4	-61.3	N/A
U1	Light Pole	662.7	2.8	Remove
U2	Light Pole	664.7	2.4	Remove
U3	Utility Pole	664.4	0.8	Remove

EXISTING/FUTURE RUNWAY 22L APPROACH SURFACE

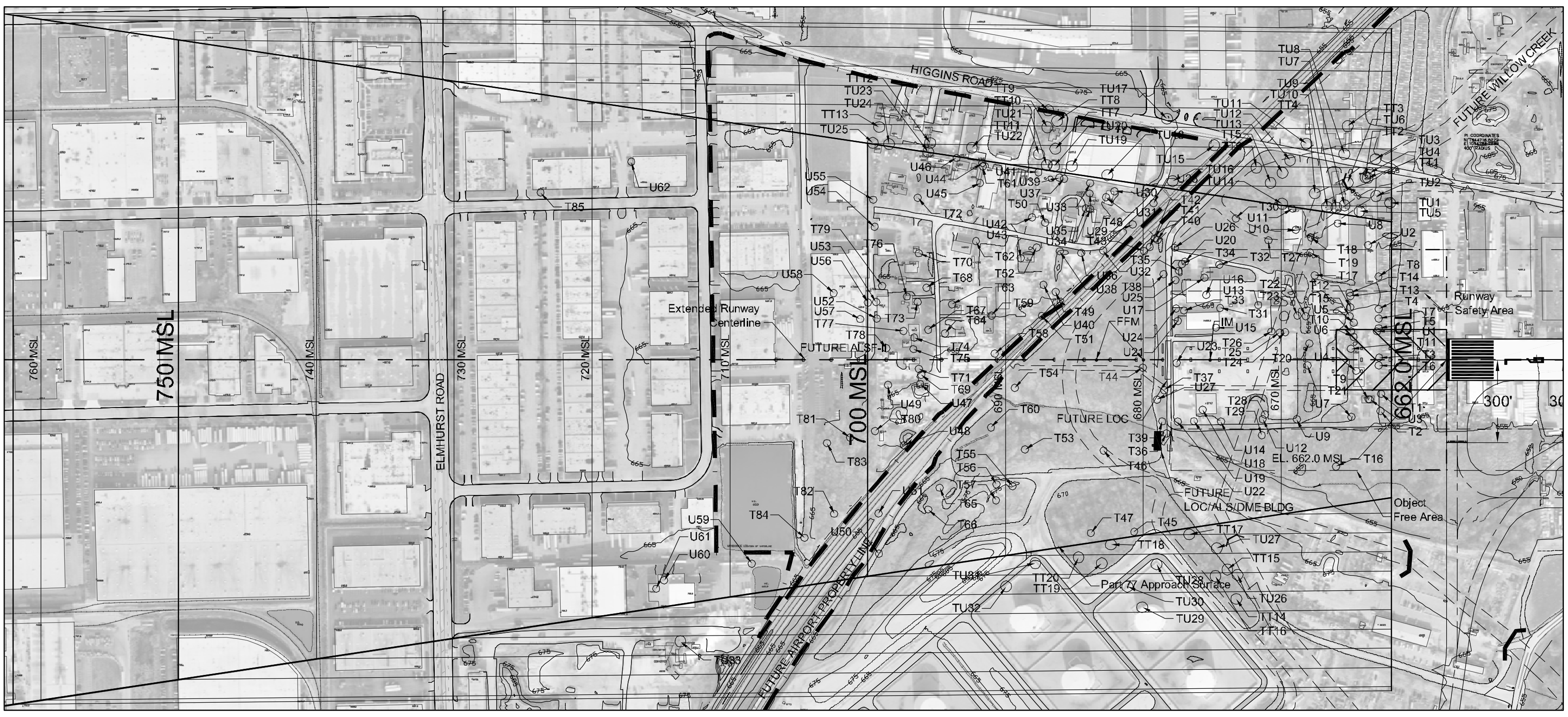
No	Revisions	Date

O'Hare International Airport

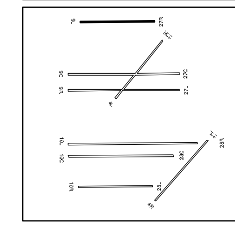
MAGNETIC NORTH
TRUE NORTH
GRAPHICAL SCALE IN FEET

DRAWN BY: WGS/MNT
CHECKED BY: FG
PREPARED BY: Ricondo & Associates, Inc.
October 2003
Sheet 17 of 50

Drawing: Z:\Chicago\ORD\OMP\ALP-Drawing Set-FINAL\17-22L-Obstructions.dwg, Layout: 22L, Nov 25, 2003, 9:23am

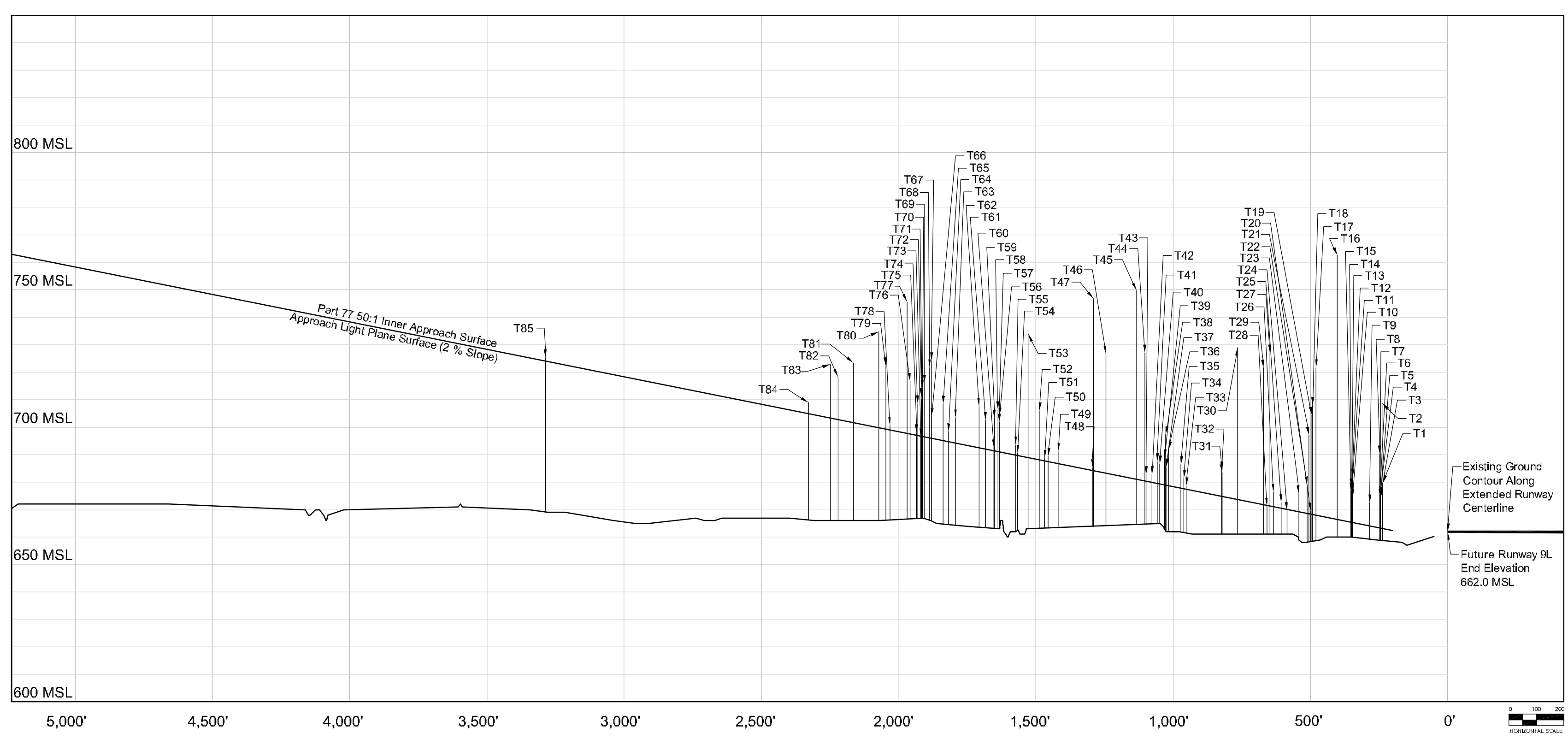


FUTURE AIRFIELD KEY MAP



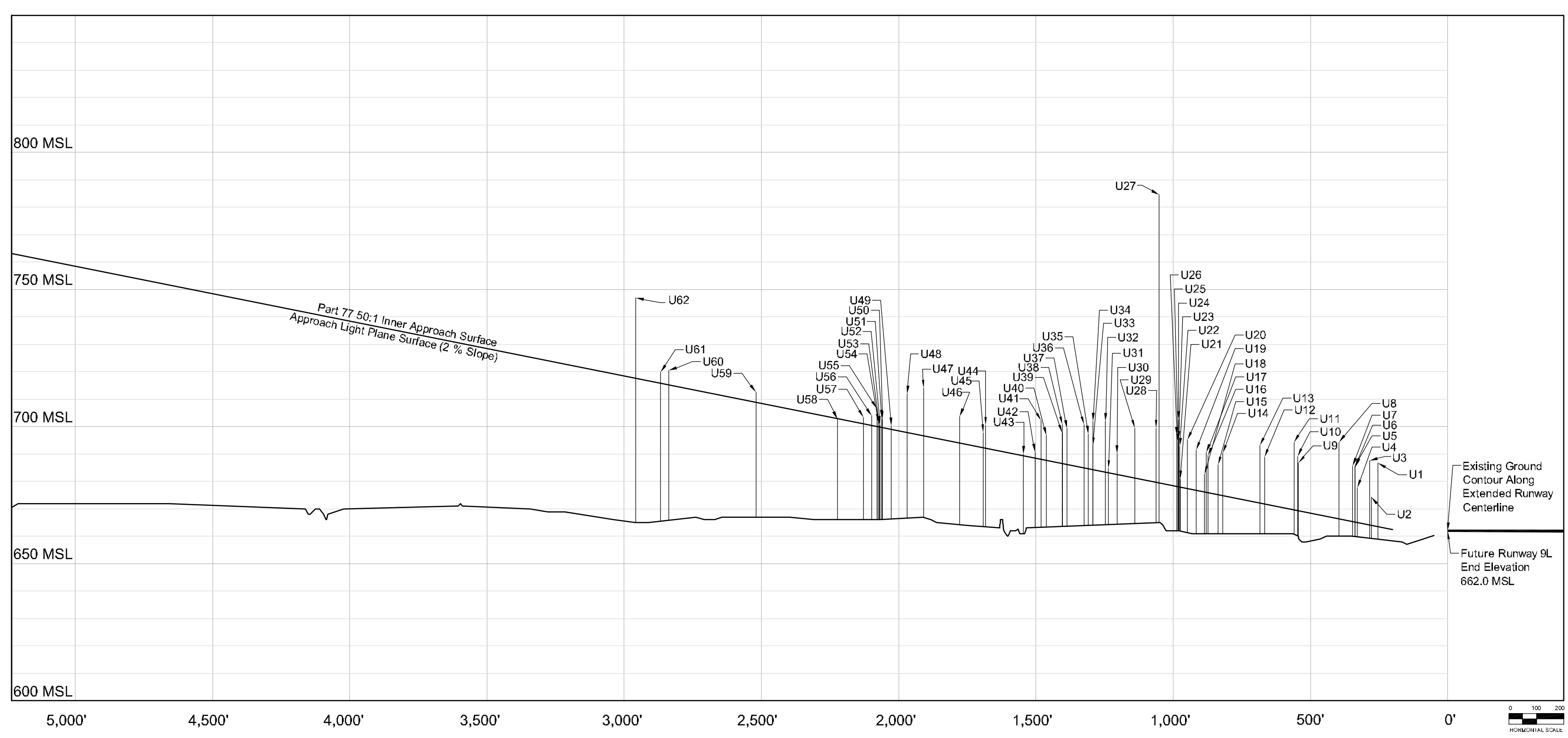
Transitional Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
TT1	Tree	688.3	3.5	Remove
TT2	Tree	687.5	2.4	Remove
TT3	Tree	714.8	3.3	Remove
TT4	Tree	677.3	0.9	Remove
TT5	Tree	719.9	38.2	Remove
TT6	Tree	707.1	17.6	Remove
TT7	Tree	720.6	22.4	Remove
TT8	Tree	716.6	4.0	Remove
TT9	Tree	727.4	9.3	Remove
TT10	Tree	736.6	31.3	Remove
TT11	Tree	718.3	23.0	Remove
TT12	Tree	706.4	5.8	Remove
TT13	Tree	732.3	23.7	Remove
TT14	Tree	717.7	4.1	Remove
TT15	Tree	717.7	19.3	Remove
TT16	Tree	718.6	16.9	Remove
TT17	Tree	717.6	37.6	Remove
TT18	Tree	753.3	68.5	Remove
TT19	Tree	725.9	31.4	Remove
TT20	Tree	731.3	40.0	Remove
TU1	Light Pole	690.7	18.9	Remove
TU2	Light Pole	698.5	23.1	Remove
TU3	Light Pole	703.6	9.0	Remove
TU4	Light Pole	698.0	10.7	Remove
TU5	Light Pole	687.7	20.3	Remove
TU6	Light Pole	688.0	5.9	Remove
TU7	Light Pole	694.1	23.7	Remove
TU8	Light Pole	697.5	0.5	Remove
TU9	Light Pole	692.7	23.5	Remove
TU10	Light Pole	691.8	22.4	Remove
TU11	Light Pole	702.3	0.3	Remove
TU12	Light Pole	694.3	0.9	Remove
TU13	Light Pole	694.4	7.5	Remove
TU14	Light Pole	696.4	25.5	Remove
TU15	Light Pole	701.3	0.4	Remove
TU16	Light Pole	701.3	19.3	Remove
TU17	Light Pole	715.7	1.4	Remove
TU18	Light Pole	706.7	21.9	Remove
TU19	Light Pole	700.0	10.7	Remove
TU20	Light Pole	731.4	42.3	Remove
TU21	Light Pole	740.2	50.5	Remove
TU22	Light Pole	700.1	1.8	Remove
TU23	Light Pole	697.4	1.5	Remove
TU24	Light Pole	702.8	3.0	Remove
TU25	Light Pole	700.9	0.7	Remove
TU26	Light Pole	705.1	3.9	Remove
TU27	Light Pole	698.1	10.8	Remove
TU28	Light Pole	707.3	12.1	Remove
TU29	Light Pole	724.2	6.7	Remove
TU30	Light Pole	706.8	0.1	Remove
TU31	Light Pole	709.7	15.6	Remove
TU32	Light Pole	707.1	1.1	Remove
TU33	Light Pole	765.1	32.4	Remove



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
T1	Tree Cluster	679.6	16.9	Remove
T2	Tree	708.7	45.9	Remove
T3	Tree	674.1	11.2	Remove
T4	Tree	675.1	12.2	Remove
T5	Tree	673.7	10.8	Remove
T6	Tree	675.4	12.5	Remove
T7	Tree Cluster	674.7	11.8	Remove
T8	Tree	690.3	27.4	Remove
T9	Tree Cluster	672.4	8.7	Remove
T10	Tree	674.4	9.5	Remove
T11	Tree	681.7	16.8	Remove
T12	Tree Cluster	676.5	11.5	Remove
T13	Tree	678.0	13.0	Remove
T14	Tree	678.3	13.3	Remove
T15	Tree	676.9	11.9	Remove
T16	Tree Cluster	762.6	96.6	Remove
T17	Tree	721.7	54.1	Remove
T18	Tree	708.0	40.2	Remove
T19	Tree	704.4	36.5	Remove
T20	Tree	669.5	1.5	Remove
T21	Tree	697.2	29.1	Remove
T22	Tree	679.1	10.9	Remove
T23	Tree	675.9	7.1	Remove
T24	Tree Cluster	669.8	0.1	Remove
T25	Tree	672.6	2.5	Remove
T26	Tree Cluster	676.3	5.6	Remove
T27	Tree	727.1	56.2	Remove
T28	Tree	670.3	0.1	Remove
T29	Tree	721.6	50.2	Remove
T30	Tree	729.0	55.7	Remove
T31	Tree Cluster	683.5	9.1	Remove
T32	Tree Cluster	684.5	10.0	Remove
T33	Tree Cluster	678.7	1.6	Remove
T34	Tree	681.5	4.3	Remove
T35	Tree	686.4	9.0	Remove
T36	Tree Cluster	691.8	13.5	Remove
T37	Tree	685.6	7.1	Remove
T38	Tree Cluster	697.3	18.8	Remove
T39	Tree Cluster	688.9	10.3	Remove
T40	Tree Cluster	686.7	7.7	Remove
T41	Tree Cluster	687.6	8.4	Remove
T42	Tree Cluster	682.8	3.3	Remove
T43	Tree Cluster	682.9	2.9	Remove
T44	Tree Cluster	727.0	47.0	Remove
T45	Tree Cluster	749.7	69.0	Remove
T46	Tree Cluster	726.6	43.7	Remove
T47	Tree Cluster	746.8	63.0	Remove
T48	Tree Cluster	685.3	1.4	Remove
T49	Tree	691.2	4.8	Remove
T50	Tree Cluster	689.5	2.4	Remove
T51	Tree Cluster	688.7	1.3	Remove
T52	Tree Cluster	706.0	18.3	Remove
T53	Tree Cluster	734.1	45.5	Remove
T54	Tree Cluster	690.6	1.3	Remove
T55	Tree Cluster	693.5	4.0	Remove
T56	Tree	704.1	13.4	Remove
T57	Tree Cluster	701.9	11.2	Remove
T58	Tree	706.5	15.7	Remove
T59	Tree Cluster	703.3	12.3	Remove
T60	Tree Cluster	692.6	1.5	Remove
T61	Tree Cluster	702.6	11.0	Remove
T62	Tree Cluster	707.6	15.5	Remove
T63	Tree Cluster	703.4	9.5	Remove
T64	Tree Cluster	698.4	4.0	Remove
T65	Tree Cluster	708.5	13.7	Remove
T66	Tree Cluster	704.0	8.4	Remove
T67	Tree Cluster	724.2	28.6	Remove
T68	Tree Cluster	721.7	26.0	Remove
T69	Tree Cluster	716.2	20.1	Remove
T70	Tree Cluster	714.1	17.8	Remove
T71	Tree Cluster	710.3	14.0	Remove
T72	Tree Cluster	711.4	15.0	Remove
T73	Tree Cluster	696.5	0.1	Remove
T74	Tree Cluster	708.6	12.0	Remove
T75	Tree Cluster	698.0	1.3	Remove
T76	Tree Cluster	716.8	19.6	Remove
T77	Tree Cluster	745.5	48.1	Remove
T78	Tree Cluster	700.6	2.0	Remove
T79	Tree Cluster	722.4	23.5	Remove
T80	Tree Cluster	734.8	35.3	Remove
T81	Tree Cluster	723.4	22.1	Remove
T82	Tree Cluster	718.3	15.9	Remove
T83	Tree Cluster	722.9	19.9	Remove
T84	Tree Cluster	709.0	4.4	Remove
T85	Tree Cluster	725.3	1.6	Remove



Approach Surface Obstructions

No.	Object	Top EL. (MSL)	Part 77 Penetration	Resolution
U1	Light Pole	686.7	23.7	Remove
U2	Utility	674.2	10.7	Remove
U3	Utility	687.5	23.8	Remove
U4	Utility	677.6	13.1	Remove
U5	Light Pole	685.7	21.0	Remove
U6	Light Pole	685.0	20.2	Remove
U7	Utility Pole	685.7	20.8	Remove
U8	Utility	694.4	28.4	Remove
U9	Utility Pole	686.8	17.9	Remove
U10	Utility	689.1	20.2	Remove
U11	Utility Pole	694.3	25.1	Remove
U12	Light Pole	689.0	17.6	Remove
U13	Utility Pole	693.1	21.5	Remove
U14	Utility	690.4	16.0	Remove
U15	Utility	686.2	11.4	Remove
U16	Utility	689.4	14.0	Remove
U17	Utility	690.7	15.1	Remove
U18	Utility Pole	682.6	6.9	Remove
U19	Light Pole	691.5	15.2	Remove
U20	Light Pole	695.2	18.2	Remove
U21	Utility Pole	681.0	3.5	Remove
U22	Utility Pole	692.9	15.4	Remove
U23	Utility Pole	695.4	17.8	Remove
U24	Utility Pole	702.6	25.0	Remove
U25	Utility Pole	694.5	16.8	Remove
U26	Utility Tower	696.8	19.1	Remove
U27	Utility Pole	784.5	79.0	Remove
U28	Utility Pole	699.4	20.1	Remove
U29	Light Pole	699.4	18.6	Remove
U30	Utility	690.1	8.0	Remove
U31	Utility Pole	684.7	2.0	Remove
U32	Utility	701.9	19.0	Remove
U33	Utility Pole	693.1	9.2	Remove
U34	Utility Pole	702.0	18.1	Remove
U35	Utility Pole	697.3	13.1	Remove
U36	Utility	700.7	16.2	Remove
U37	Utility Pole	699.4	13.7	Remove
U38	Utility Pole	700.7	14.6	Remove
U39	Utility Pole	697.8	11.7	Remove
U40	Utility	696.9	9.7	Remove
U41	Utility Pole	702.2	14.6	Remove
U42	Utility Pole	690.7	2.6	Remove
U43	Utility	689.9	1.0	Remove
U44	Utility	700.4	8.7	Remove
U45	Utility	697.8	6.0	Remove
U46	Utility	703.7	10.1	Remove
U47	Utility Pole	714.0	17.8	Remove
U48	Utility Pole	711.9	14.5	Remove
U49	Utility Pole	700.3	1.8	Remove
U50	Utility Pole	702.6	3.4	Remove
U51	Utility Pole	703.1	3.9	Remove
U52	Utility Pole	700.8	1.5	Remove
U53	Utility Pole	700.5	1.1	Remove
U54	Utility Pole	701.6	2.1	Remove
U55	Utility Pole	706.6	7.0	Remove
U56	Utility Pole	703.9	3.9	Remove
U57	Utility Pole	703.3	2.8	Remove
U58	Utility Pole	702.7	0.2	Remove
U59	Utility Pole	712.6	4.2	Remove
U60	Utility	720.4	5.6	Remove
U61	Utility	719.8	4.4	Remove
U62	Utility	746.9	29.7	Remove

FUTURE RUNWAY 9L APPROACH SURFACE (1 of 2)

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

Sheet 18 of 50

Drawing: Z:\Chicago\ORD\OMP\ALP-DrawingSet-FINAL \18-9L-a-Obstructions.dwg_Layout: 9L_Nov 25, 2003, 9:31am