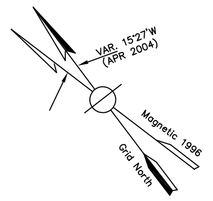
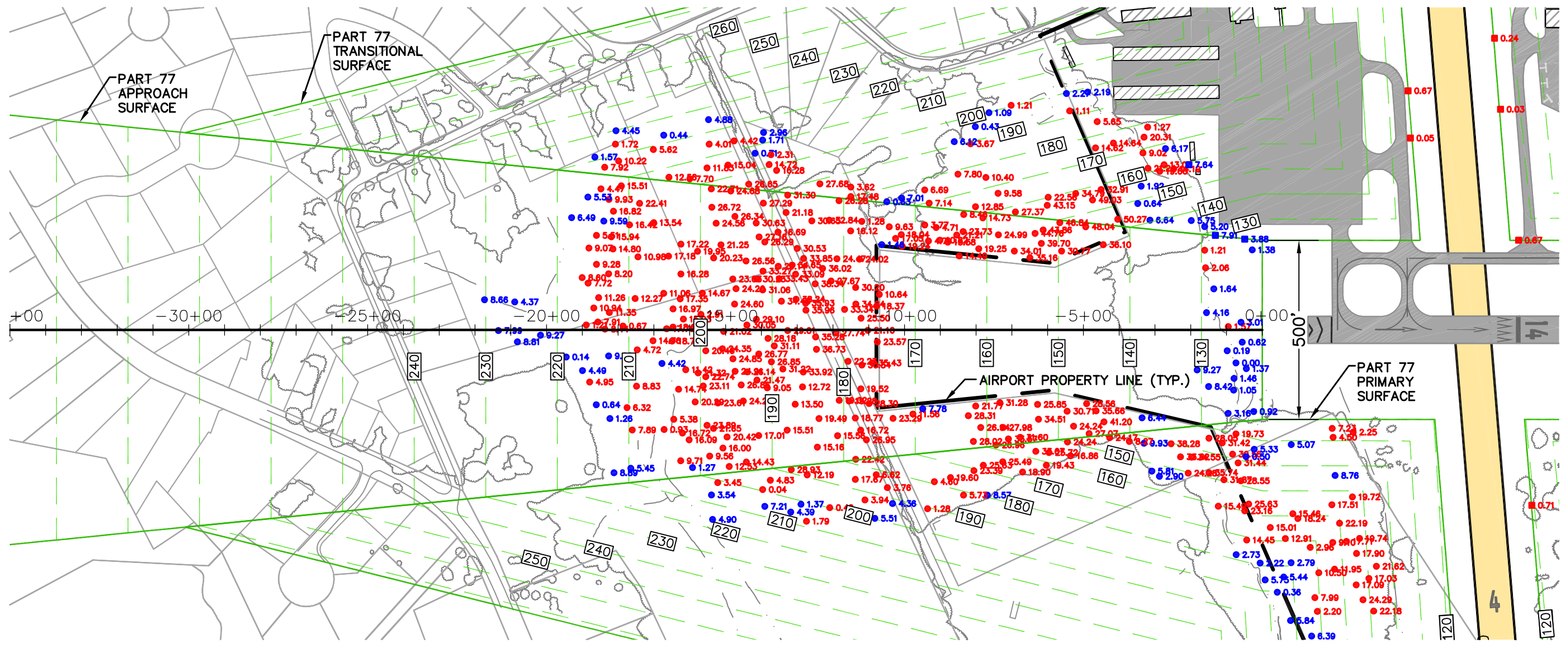
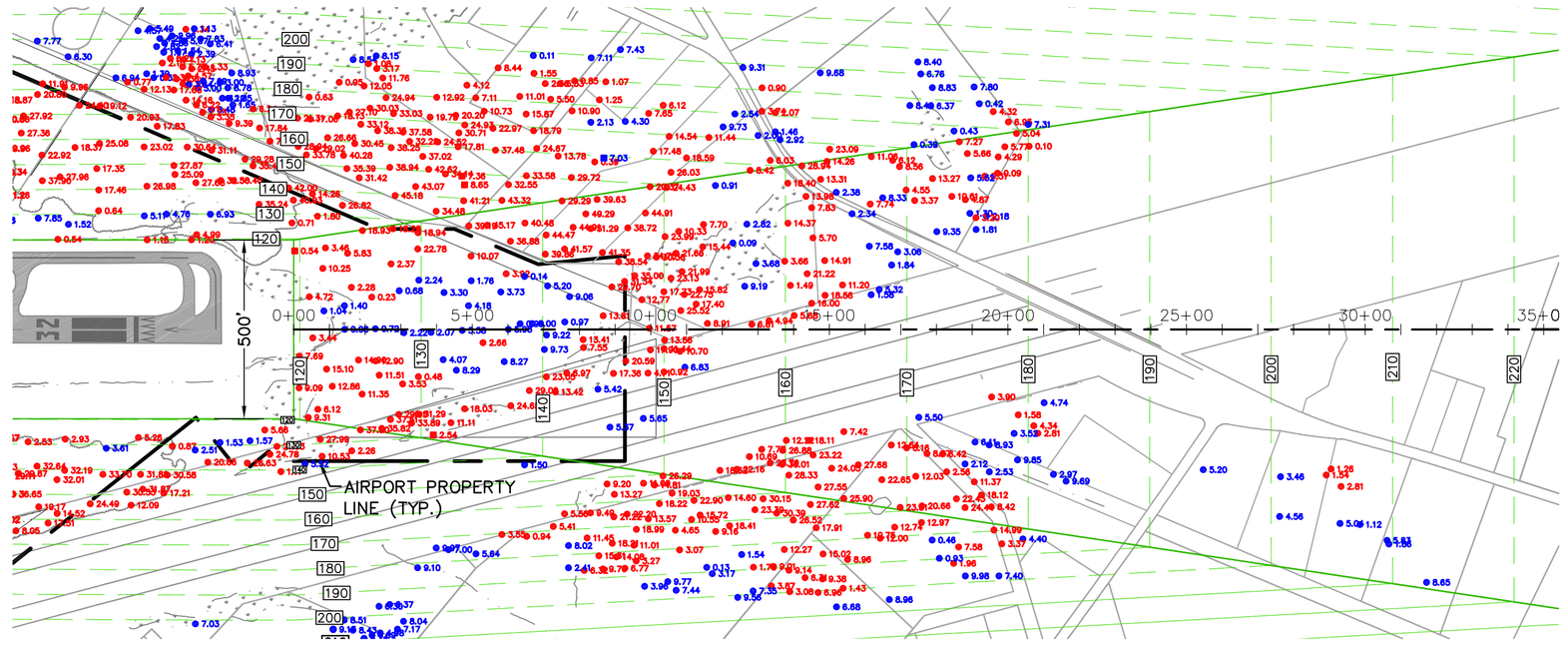




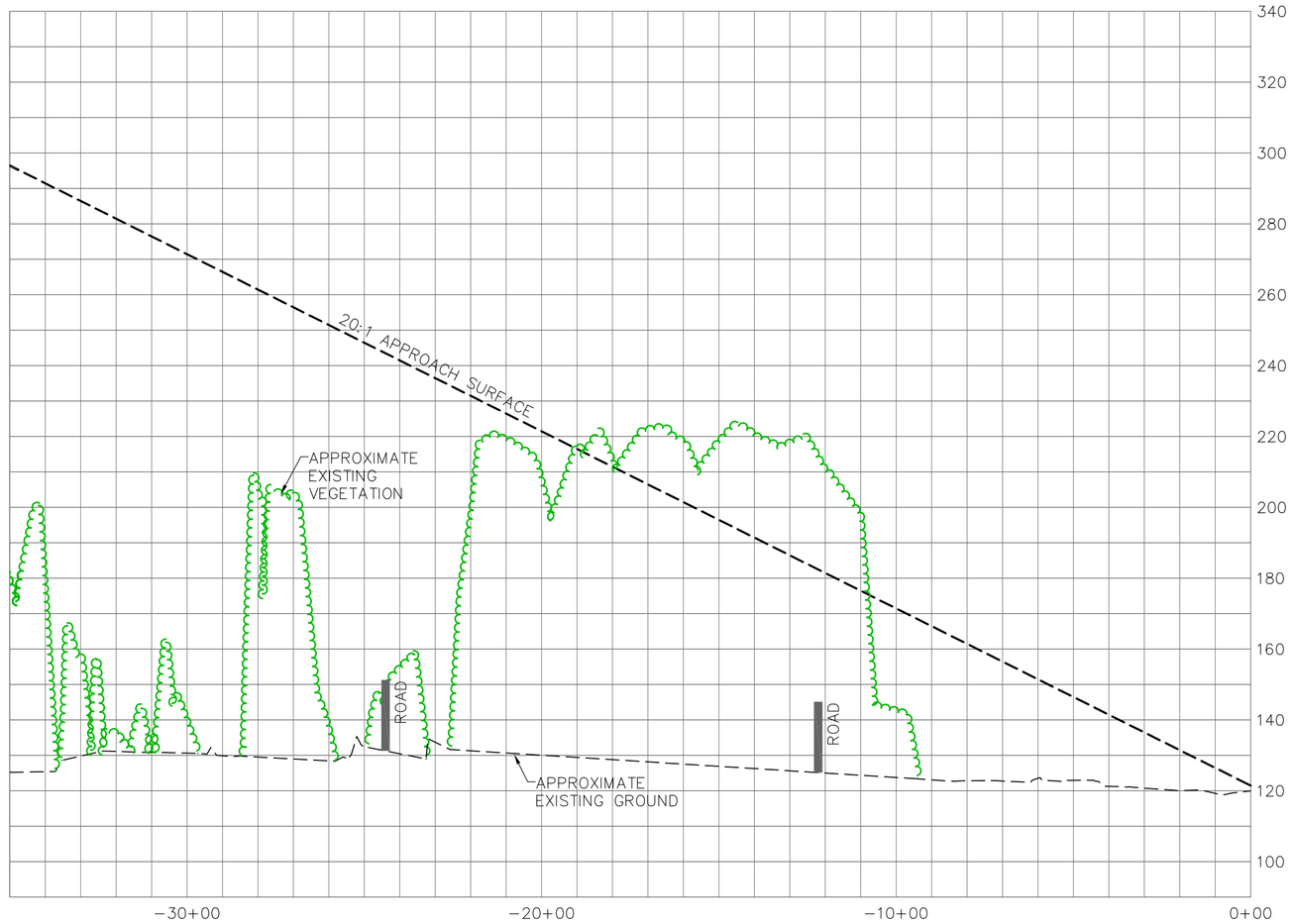
R/W 14 APPROACH PLAN VIEW

SCALE: 1" = 300'



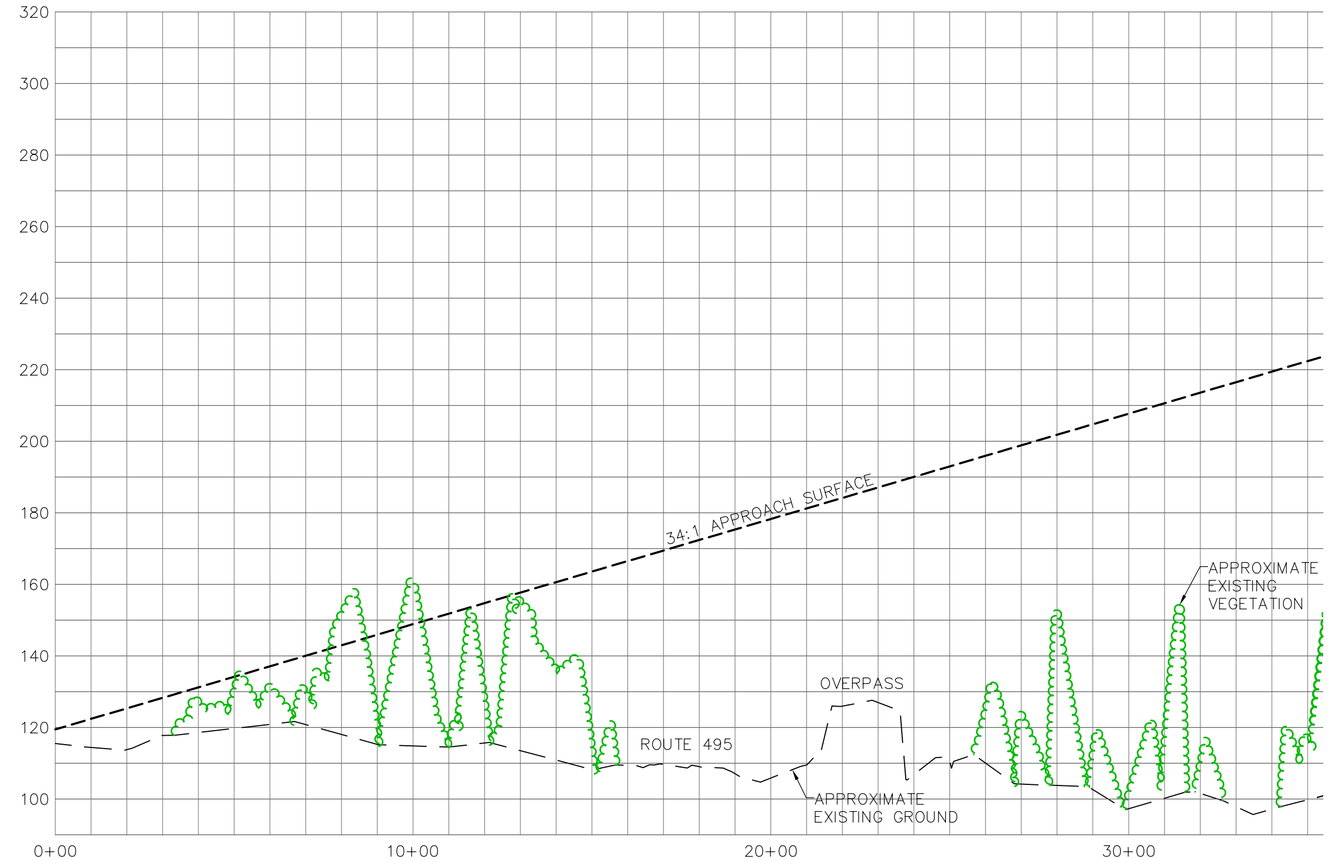
R/W 32 APPROACH PLAN VIEW

SCALE: 1" = 300'



R/W 14 APPROACH PROFILE

SCALE: 1" = 300' HORIZONTAL
1" = 30' VERTICAL



R/W 32 APPROACH PROFILE

SCALE: 1" = 300' HORIZONTAL
1" = 30' VERTICAL

LEGEND

- 3.65 — VEGETATIVE OBSTRUCTION PENETRATING PART 77 SURFACE
- 3.65 — VEGETATION WITHIN 10 FT OF PENETRATING PART 77 SURFACE
- 3.65 — NON VEGETATIVE OBJECT PENETRATING PART 77 SURFACE
- PROPOSED RUNWAY 04–22 LOCATION
- AIRPORT PROPERTY LINE (SOURCE: MANSFIELD AIRPORT COMMISSION)
- WETLANDS & STREAMS
- TREE LINE
- 130 — PART 77 CONTOUR ELEVATION
- PART 77 APPROACH AND PRIMARY SURFACE BOUNDARIES

NOTE:

1. EXISTING GROUND SHOWN ON APPROACH PROFILES IS APPROXIMATE AND FOR REFERENCE ONLY. PENETRATION ANALYSIS PERFORMED FOR VEGETATION AND NON VEGETATIVE OBJECTS FROM AERIAL SURVEY.
2. RUNWAYS 14, 32, AND 22 END SITING SURFACES CURRENTLY OBSTRUCTED BY VEGETATION.
3. RUNWAY 14 "RUNWAY END SITING SURFACE" (AC 150/5300–13 CHG 12, APPENDIX 2, TABLE A2–1 – ROW 5) IS OBSTRUCTED BY VEGETATION.
4. RUNWAY 32 "RUNWAY END SITING SURFACE" (AC 150/5300–13 CHG 12, APPENDIX 2, TABLE A2–1 – ROW 5) IS OBSTRUCTED BY VEGETATION.

GALE

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Boston Baltimore Orlando San Francisco

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PROJECT

AIRPORT MASTER PLAN UPDATE
MANSFIELD AIRPORT COMMISSION
AIP NO. 3–25–0028–22–2009

OWNER

MANSFIELD MUNICIPAL AIRPORT
MANSFIELD, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY
1.	6/28/11	ADD. NOTES	MEF

PROJECT NO.	776350
CADD FILE	SHEET 6 and 7
DESIGNED BY	AJD
DRAWN BY	JAT
CHECKED BY	AJD
DATE	AUGUST 2011
DRAWING SCALE	1"=300'

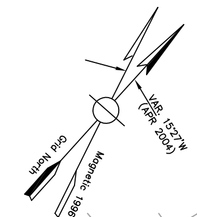
GRAPHIC SCALE
0 150 300 600
SCALE: 1" = 300'

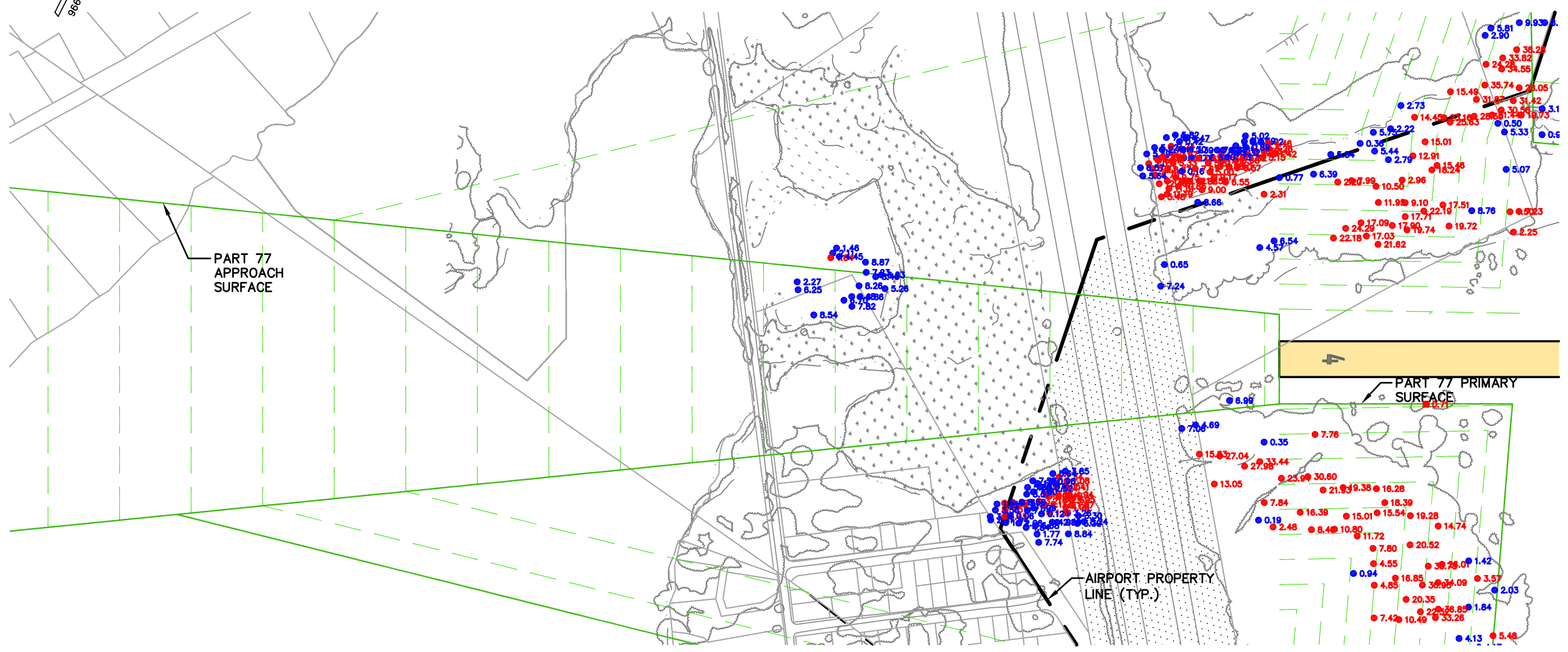
SHEET TITLE

RUNWAY 14
AND RUNWAY 32
APPROACH PLAN
AND PROFILE

SHEET

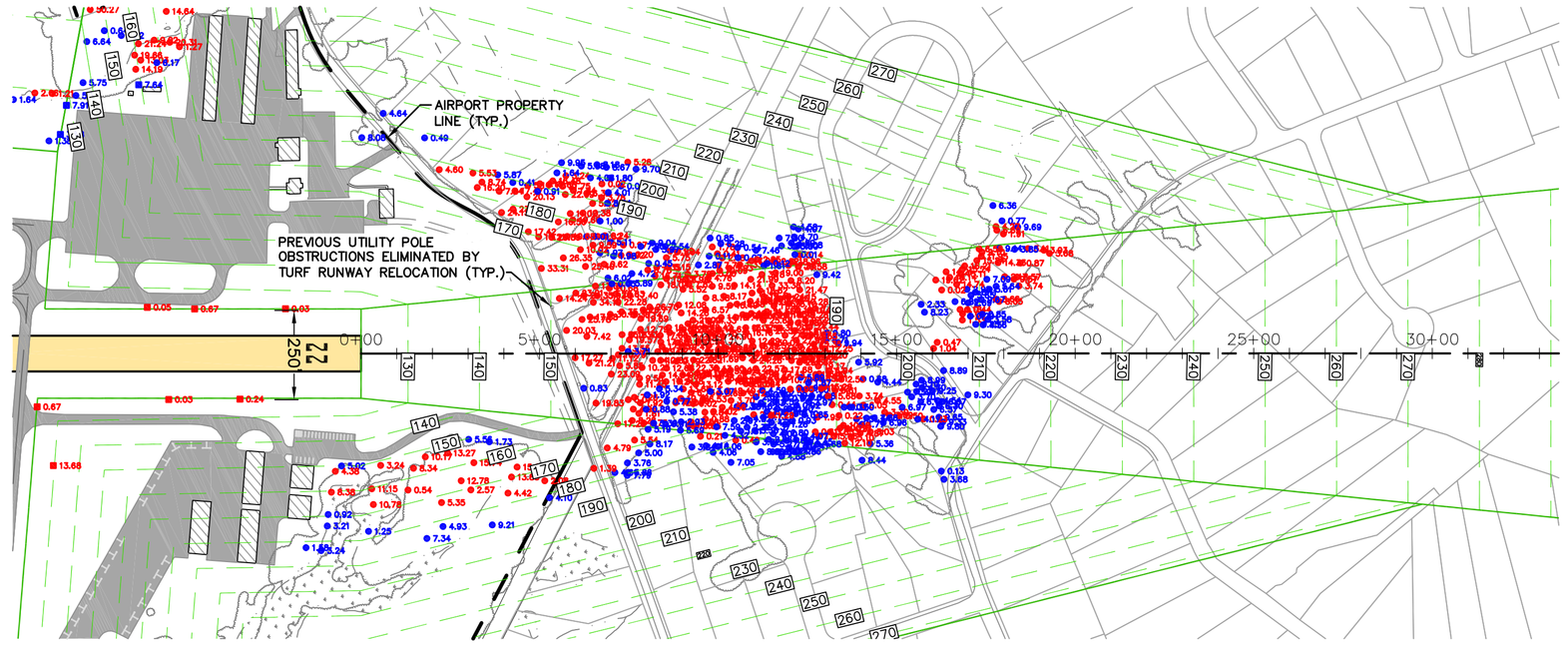
6





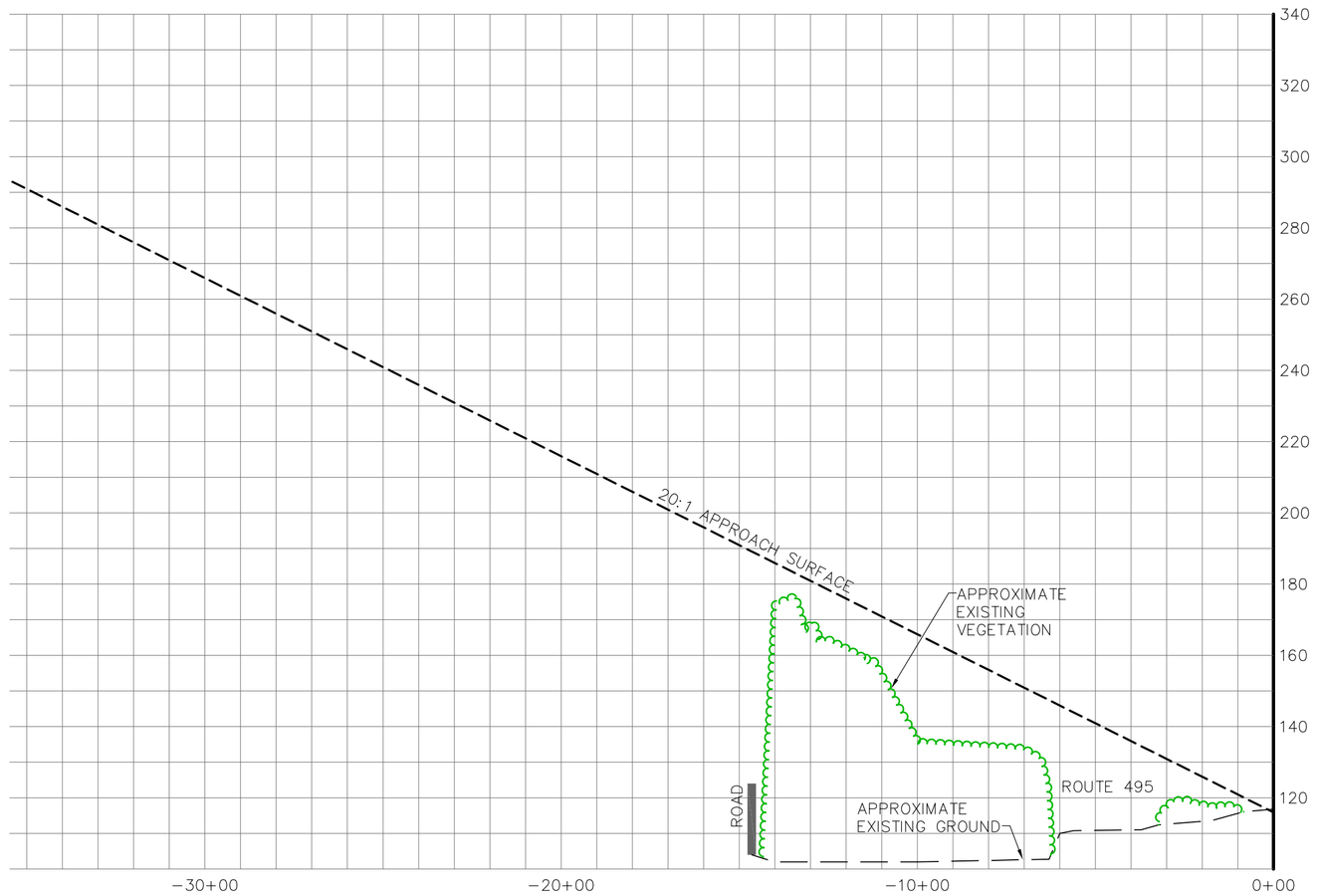
R/W 4 APPROACH PLAN VIEW

SCALE: 1" = 300'



R/W 22 APPROACH PLAN VIEW

SCALE: 1" = 300'



R/W 4 APPROACH PROFILE

SCALE: 1" = 300' HORIZONTAL
1" = 30' VERTICAL

R/W 22 APPROACH PROFILE

SCALE: 1" = 300' HORIZONTAL
1" = 30' VERTICAL

LEGEND

- 3.65 — VEGETATIVE OBSTRUCTION PENETRATING PART 77 SURFACE
- 3.65 — VEGETATION WITHIN 10 FT OF PENETRATING PART 77 SURFACE
- 3.65 — NON VEGETATIVE OBJECT PENETRATING PART 77 SURFACE
- PROPOSED RUNWAY 04–22 LOCATION
- AIRPORT PROPERTY LINE (SOURCE: MANSFIELD AIRPORT COMMISSION)
- WETLANDS & STREAMS
- TREE LINE
- 130 — PART 77 CONTOUR ELEVATION
- PART 77 APPROACH AND PRIMARY SURFACE BOUNDARIES

NOTE:

1. EXISTING GROUND SHOWN ON APPROACH PROFILES IS APPROXIMATE AND FOR REFERENCE ONLY. PENETRATION ANALYSIS PERFORMED FOR VEGETATION AND NON VEGETATIVE OBJECTS FROM AERIAL SURVEY.
2. RUNWAY 22 "RUNWAY END SITING SURFACE" (AC 150/5300–13 CHG 12, APPENDIX 2, TABLE A2–1 – ROW 2) IS OBSTRUCTED BY VEGETATION.

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PROJECT

AIRPORT MASTER PLAN UPDATE
MANSFIELD AIRPORT COMMISSION
AIP NO. 3-25-0028-22-2009

OWNER

MANSFIELD MUNICIPAL AIRPORT
MANSFIELD, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY
1.	6/28/11	ADD. NOTES	MEF

PROJECT NO.	776350
CADD FILE	SHEET 6 and 7
DESIGNED BY	AJD
DRAWN BY	JAT
CHECKED BY	AJD
DATE	AUGUST 2011
DRAWING SCALE	1"=300'

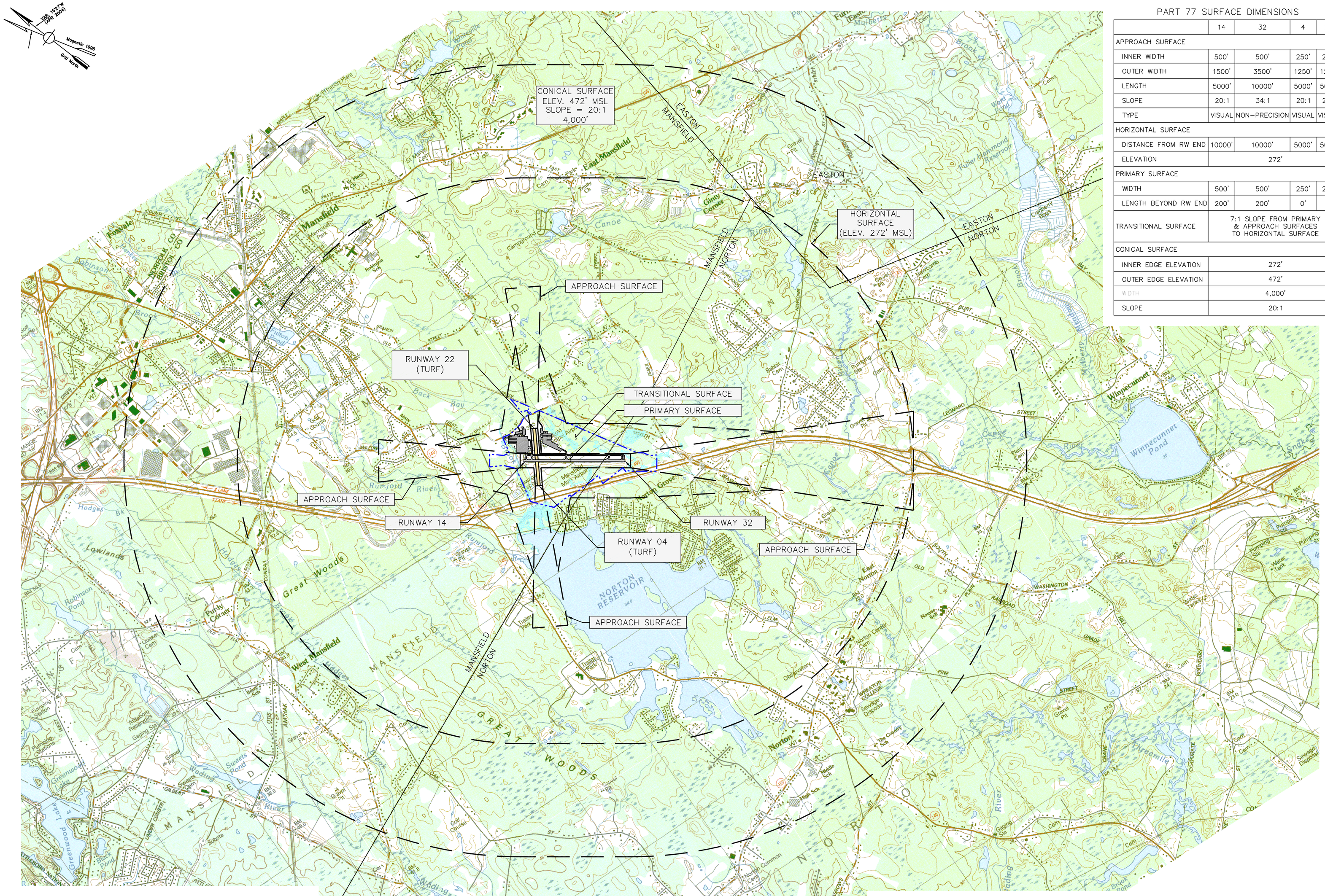
GRAPHIC SCALE
0 150 300 600
SCALE: 1" = 300'

SHEET TITLE

RUNWAY 4
AND RUNWAY 22
APPROACH PLAN
AND PROFILE

SHEET

7



PART 77 SURFACE DIMENSIONS

	14	32	4	22
APPROACH SURFACE				
INNER WIDTH	500'	500'	250'	250'
OUTER WIDTH	1500'	3500'	1250'	1250'
LENGTH	5000'	10000'	5000'	5000'
SLOPE	20:1	34:1	20:1	20:1
TYPE	VISUAL	NON-PRECISION	VISUAL	VISUAL
HORIZONTAL SURFACE				
DISTANCE FROM RW END	10000'	10000'	5000'	5000'
ELEVATION	272'			
PRIMARY SURFACE				
WIDTH	500'	500'	250'	250'
LENGTH BEYOND RW END	200'	200'	0'	0'
TRANSITIONAL SURFACE	7:1 SLOPE FROM PRIMARY & APPROACH SURFACES TO HORIZONTAL SURFACE			
CONICAL SURFACE				
INNER EDGE ELEVATION	272'			
OUTER EDGE ELEVATION	472'			
WIDTH	4,000'			
SLOPE	20:1			

LEGEND

AIRPORT PROPERTY LINE

BOUNDARY OF PART 77 SURFACES

ULTIMATE RUNWAY DATA

RUNWAY	TYPE	RUNWAY LENGTH	END COORDINATES		END ELEV.	DISPLACEMENT	APPROACH		
–	–	–	LATITUDE	LONGITUDE	–	(DIST./ELEV.)	TYPE	SLOPE	LENGTH
14	NON-UTILITY	3500'	42°00'9.41" N	71°12'07.11" W	121.50'	508'/120.75' MSL	VISUAL	20:1	5,000'
32	NON-UTILITY	3500'	41°59'50.79" N	71°11'28.06" W	119.50'	NONE	NPI	34:1	10,000'
04	UTILITY	2030'	41°59'59.39" N	71°12'08.45" W	117.94'	NONE	VISUAL	20:1	5,000'
22	UTILITY	2030'	42°00'17.35" N	71°11'55.67" W	123.42'	NONE	VISUAL	20:1	5,000'

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PROJECT

AIRPORT MASTER PLAN UPDATE
MANSFIELD AIRPORT COMMISSION
AIP NO. 3-25-0028-22-2009

OWNER

MANSFIELD MUNICIPAL AIRPORT
MANSFIELD, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY

PROJECT NO.	776350
CADD FILE	SHEET 8
DESIGNED BY	AJD
DRAWN BY	SEH
CHECKED BY	AJD
DATE	AUGUST 2011
DRAWING SCALE	1"=1600'

GRAPHIC SCALE
0 800 1600 3200
SCALE: 1" = 1600'

SHEET TITLE

14 CFR PART 77 IMAGINARY SURFACES PLAN

SHEET

8