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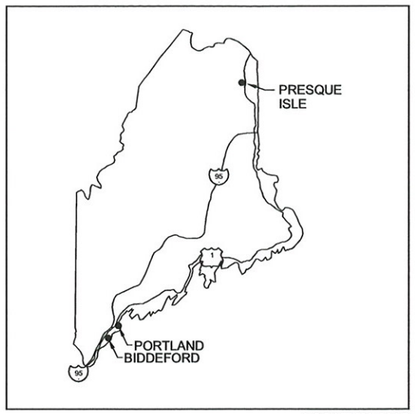

LOCATION MAP

VICINITY MAP

SHEET	TITLE
1	TITLE SHEET
2	EXISTING FACILITIES PLAN
3	ULTIMATE AIRPORT LAYOUT
4	TERMINAL AREA PLAN
5	APPROACH PLAN AND PROFILE RW 6 – 24
6	FAR PART 77 IMAGINARY SURFACES PLAN
7	LAND USE PLAN
8	PROPERTY MAP (EXHIBIT A)

INDEX OF SHEETS

AIRPORT MASTER PLAN UPDATE

BIDDEFORD MUNICIPAL AIRPORT
BIDDEFORD, MAINE

A.I.P. NO. 3-23-0009-04

FEBRUARY 2005

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RUNWAY DATA	EXISTING
RUNWAY LENGTH	3,011'
RUNWAY WIDTH	75'
PAVEMENT STRENGTH	25,000 LBS. SINGLE WHEEL
APPROACH SURFACES	R/W 6: 20:1 NP (UTILITY) R/W 24: 20:1 VISUAL
RUNWAY MARKINGS	NON-PRECISION
RUNWAY LIGHTING	MIRL
RUNWAY NAVAIDS	R/W 6: VASI 4L R/W 24: NONE
EFFECTIVE GRADIENT	0.3%
RUNWAY END ELEVATIONS	R/W 6: 146.5' MSL R/W 24: 154.8' MSL
RUNWAY END COORDINATES	R/W 6: 43°27'39.59"N 070°28'33.91"W R/W 24: 43°28'02.03"N 070°28'07.36"W
RUNWAY SAFETY AREA	150' X 300'
RUNWAY OBJECT FREE AREA	500' X 300'
TAXIWAY LIGHTING	ENTRANCE LIGHTS

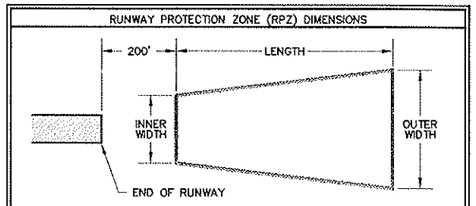
AIRPORT DATA	EXISTING
AIRPORT ELEVATION	157' MSL
AIRPORT REFERENCE POINT	LAT. 43°27'50.8"N LONG. 70°28'20.6"W
MEAN MAX. TEMP. (HOTTEST MO.)	78°F
DESIGN AIRCRAFT	PILATUS PC-12
AIRPORT REFERENCE CODE (ARC)	A/I (UTILITY)
FUEL AVAILABILITY	100 LL
AIRPORT/TERMINAL NAVAIDS	AIRPORT BEACON, LIGHTED WINDCONE WITH SEGMENTED CIRCLE

EXISTING	ON-AIRPORT BUILDINGS
1	FBO
2–3	LEASED PUBLIC HANGARS
4	LEASED PUBLIC BUILDING
5–24	PRIVATE CONVENTIONAL HANGARS
27	EAA HANGAR

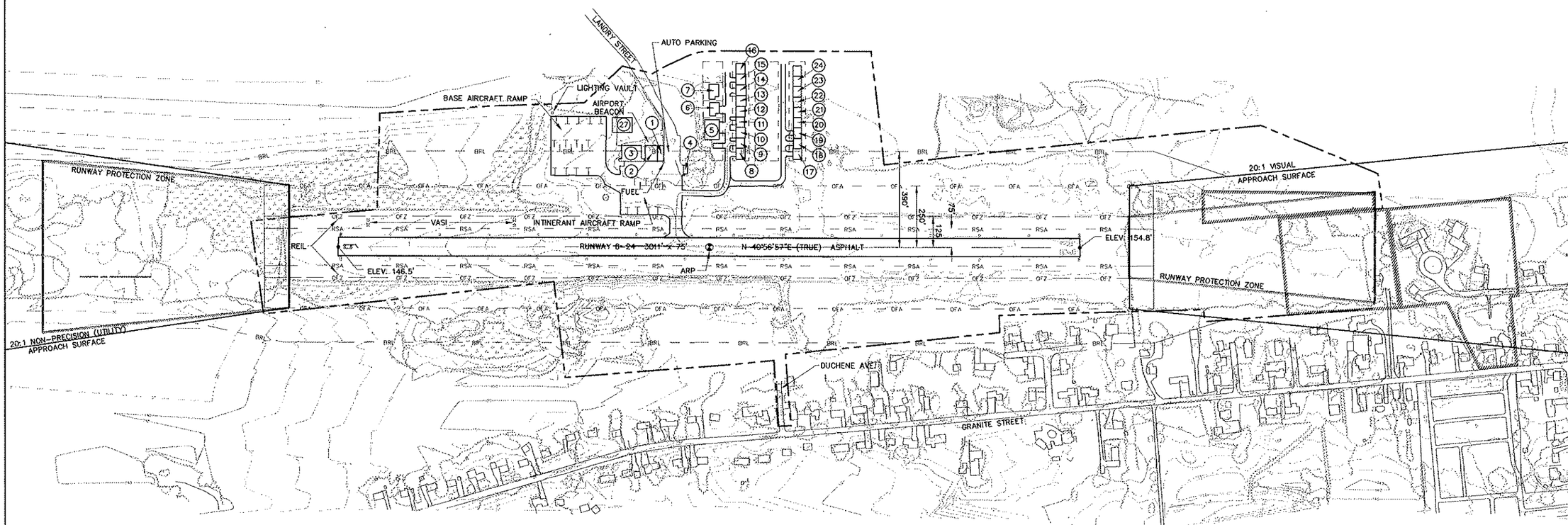
NOTE:
BUILDING RESTRICTION LINE (BRL) WAS ESTABLISHED IN ACCORDANCE WITH FAA DESIGN AND FAR PART 77 CRITERIA. ITS LOCATION AT BIDDEFORD UTILIZES A 20 FT. VERTICAL OBJECT HEIGHT. THE BRL LOCATION MAY CHANGE DUE TO GROUND CONTOURS OR DIFFERENT OBJECT HEIGHTS, BUT ALWAYS IN ACCORDANCE WITH FAR PART 77 AND FAA DESIGN CRITERIA.

LEGEND	EXISTING
AIRPORT PROPERTY LINE	
PAVEMENT	
TREE LINE	
AVIGATION EASEMENT	
FENCE LINE	
BUILDINGS	
UTILITY POLE	
REIL	
VASI	
LIGHTED WIND CONE WITH SEGMENTED CIRCLE	
OBJECT-FREE AREA (OFA)	
OBJECT-FREE ZONE (OFZ)	
RUNWAY SAFETY AREA (RSA)	
BUILDING RESTRICTION LINE (BRL)	
WETLANDS (DELINEATED)	

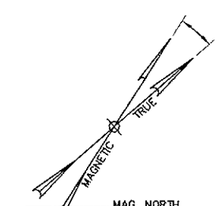
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS



RUNWAY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
6	500'	700'	1,000'	13.77
24	250'	450'	1,000'	8.035



GRAPHIC SCALE
200 0 100 200 400
1 inch = 200 feet



MAG. NORTH
(VARIATION 16°22')
SEPT. 2004 ANNUAL RATE OF CHANGE 00°2'E/YEAR
SOURCE: NGDC

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Rev.	Description	By	Date
2	ADDED HANGAR #27	ECD	10-14-05
1	ADDED AVIGATION EASEMENTS	ECD	10-14-05

MAINE

BIDDEFORD MUNICIPAL AIRPORT

EXISTING FACILITIES PLAN

BIDDEFORD

Project No.	8120035.01
Proj. Manager	ECD
Proj. Designer	ECD
Drawn By	LRK
Checked By	ECD
Scale	1"=200'
Approved	DCD
Date	OCTOBER 2005

Sheet 2 of 8

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K:\Project Data Files\Biddeford\KEYSHEETS\8120035.01 ALP Setsheet 02, existing facilities plan.dwg, Layout1, 10/14/2005 10:08:59 AM, cjackson, OceTDS600(Paper-Tray1-Merge).pc3

RUNWAY DATA	EXISTING	PROPOSED
RUNWAY LENGTH	3,011'	3,011'
RUNWAY WIDTH	75'	75'
PAVEMENT STRENGTH	25,000 LBS. SINGLE WHEEL	25,000 LBS. SINGLE WHEEL
APPROACH SURFACES	R/W 6: 20:1 NP (UTILITY) R/W 24: 20:1 VISUAL	R/W 6: 20:1 NP (UTILITY) R/W 24: 20:1 VISUAL
RUNWAY MARKINGS	NON-PRECISION	NON-PRECISION
RUNWAY LIGHTING	MIRL	MIRL
RUNWAY NAVAIDS	R/W 6: VASI 4L R/W 24: NONE	R/W 6: PAPI R/W 24: PAPI
EFFECTIVE GRADIENT	0.3%	0.3%
RUNWAY END ELEVATIONS	R/W 6: 146.5' MSL R/W 24: 154.8' MSL	R/W 6: 146.5' MSL R/W 24: 154.8' MSL
RUNWAY END COORDINATES	R/W 6: 43°27'39.59"N 070°28'33.91"W R/W 24: 43°28'02.03"N 070°28'07.36"W	R/W 6: 43°27'39.59"N 070°28'33.91"W R/W 24: 43°28'02.03"N 070°28'07.36"W
RUNWAY SAFETY AREA	150' X 300'	150' X 300'
RUNWAY OBJECT FREE AREA	500' X 300'	500' X 300'
TAXIWAY LIGHTING	ENTRANCE LIGHTS	ENTRANCE LIGHTS

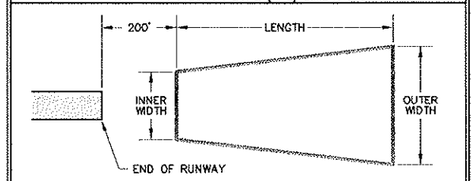
AIRPORT DATA	EXISTING	PROPOSED
AIRPORT ELEVATION	157' MSL	157' MSL
AIRPORT REFERENCE POINT	LAT. 43°27'50.8"N LONG. 70°28'20.6"W	LAT. 43°27'50.8"N LONG. 70°28'20.6"W
MEAN MAX. TEMP. (HOTTEST MO.)	78°F	78°F
DESIGN AIRCRAFT	PILATUS PC-12	PILATUS PC-12
AIRPORT REFERENCE CODE (ARC)	AII (UTILITY)	AII (UTILITY)
FUEL AVAILABILITY	100 LL	100 LL
AIRPORT/TERMINAL NAVAIDS	AIRPORT BEACON, LIGHTED WINDCONE WITH SEGMENTED CIRCLE	AIRPORT BEACON, LIGHTED WINDCONE WITH SEGMENTED CIRCLE

EXISTING	ON-AIRPORT BUILDINGS	PROPOSED
1	FBO	
2–3	LEASED PUBLIC HANGARS	
4	LEASED PUBLIC BUILDING	
	SRE BUILDING	5
6–26	PRIVATE CONVENTIONAL HANGARS	
27	EAA (PRIVATE)	

NOTE:
BUILDING RESTRICTION LINE (BRL) WAS ESTABLISHED IN ACCORDANCE WITH FAA DESIGN AND FAR PART 77 CRITERIA. ITS LOCATION IN BIDDEFORD UTILIZES A 20 FT. VERTICAL OBJECT HEIGHT. THE BRL LOCATION MAY CHANGE DUE TO GROUND CONTOURS OR DIFFERENT OBJECT HEIGHTS, BUT ALWAYS IN ACCORDANCE WITH FAR PART 77 AND FAA DESIGN CRITERIA.

LEGEND	EXISTING	PROPOSED
AIRPORT PROPERTY LINE		
PROPERTY TO BE ACQUIRED	N/A	
PAVEMENT		
AVIGATION EASEMENT LINE		
FENCE LINE		SAME
BUILDINGS		
UTILITY POLE		SAME
REIL		
VASI		N/A
PAPI	N/A	
LIGHTED WIND CONE WITH SEGMENTED CIRCLE		
WIND CONE	N/A	
OBJECT-FREE AREA (OFA)	SAME	
OBJECT-FREE ZONE (OFZ)	SAME	
RUNWAY SAFETY AREA (RSA)	SAME	
BUILDING RESTRICTION LINE (BRL)	SAME	
WETLANDS (SKETCHED)		SAME
AIRPORT REFERENCE POINT (ARP)		SAME
OBSTRUCTION LIGHT	N/A	

RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS

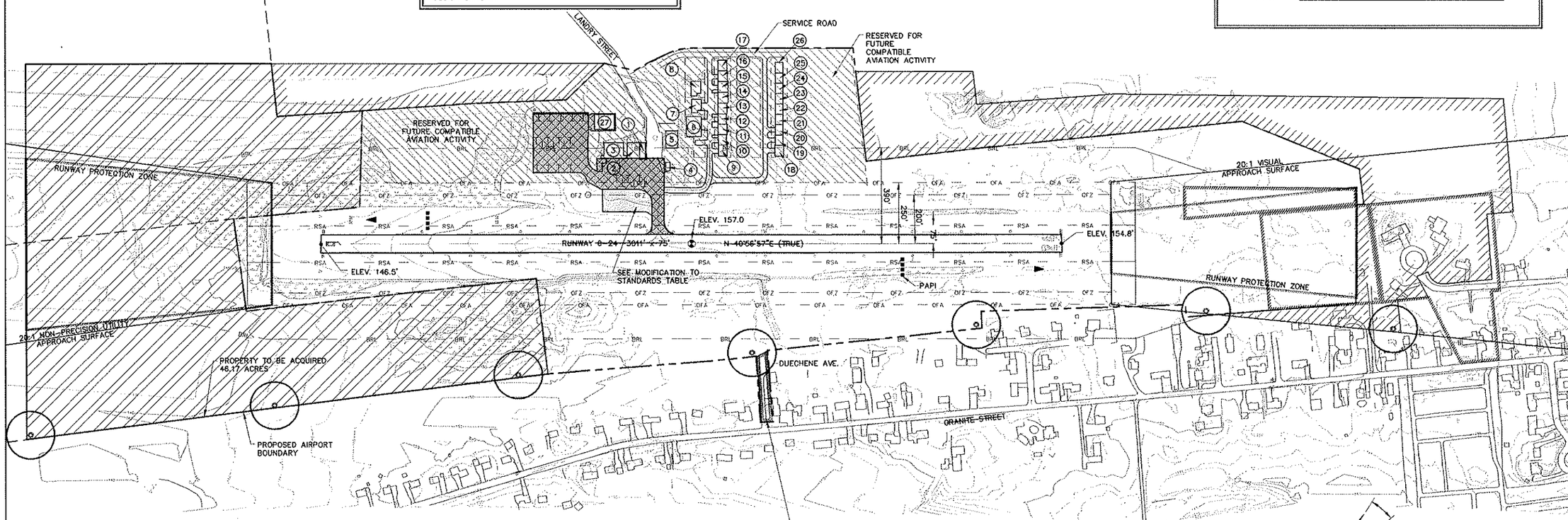


RUNWAY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
6	500'	700'	1,000'	13.77
24	250'	450'	1,000'	8.035

FEDERAL AVIATION ADMINISTRATION
APPROVED: _____
MANAGER, AIRPORTS PLANNING BRANCH
DATE: _____

MAINE DEPARTMENT OF TRANSPORTATION
APPROVED: _____
DIRECTOR, OFFICE OF PASSENGER TRANSPORTATION
DATE: _____

CITY OF BIDDEFORD
APPROVED: _____
CITY MANAGER
DATE: _____



MODIFICATION TO STANDARD			
ITEM MODIFIED	CURRENT STANDARD	PROPOSED DIMENSION	DATE APPROVED
TRANSIENT PARKING APRON DISTANCE FROM RUNWAY	OFA 250' FROM RUNWAY	125' FROM RUNWAY CENTERLINE PENDING FUTURE APRON EXPANSION	

CERTIFICATION: I CERTIFY THAT ALL AIRPORT ELEMENTS SHOWN ON THIS ALP ARE IN ACCORDANCE WITH CRITERIA CONTAINED IN THE CURRENT EDITION OF FAA AC 150/5300-13 EXCEPT AS NOTED IN THIS TABLE.

SIGNATURE _____ DATE _____

EDWARD CLIFFORD / CITY MANAGER

MAG. NORTH
(VARIATION 16°22')
SEPT. 2004 ANNUAL RATE OF CHANGE 00°2'E/YEAR
SOURCE: NGDC

GRAPHIC SCALE
200 0 100 200 400
1 inch = 200 feet

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Rev.	Description	By	Date
1	CORRECTED AVIGATION EASEMENTS	ECD	10-14-05

MAINE

BIDDEFORD MUNICIPAL AIRPORT

ULTIMATE AIRPORT LAYOUT

BIDDEFORD

Project No.	8120035.01
Proj. Manager	ECD
Proj. Designer	ECD
Drawn By	CEJ
Checked By	ECD
Scale	1"=300'
Approved	DCD
Date	OCTOBER 2005

Sheet 3 of 8

D

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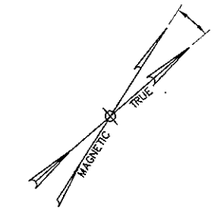
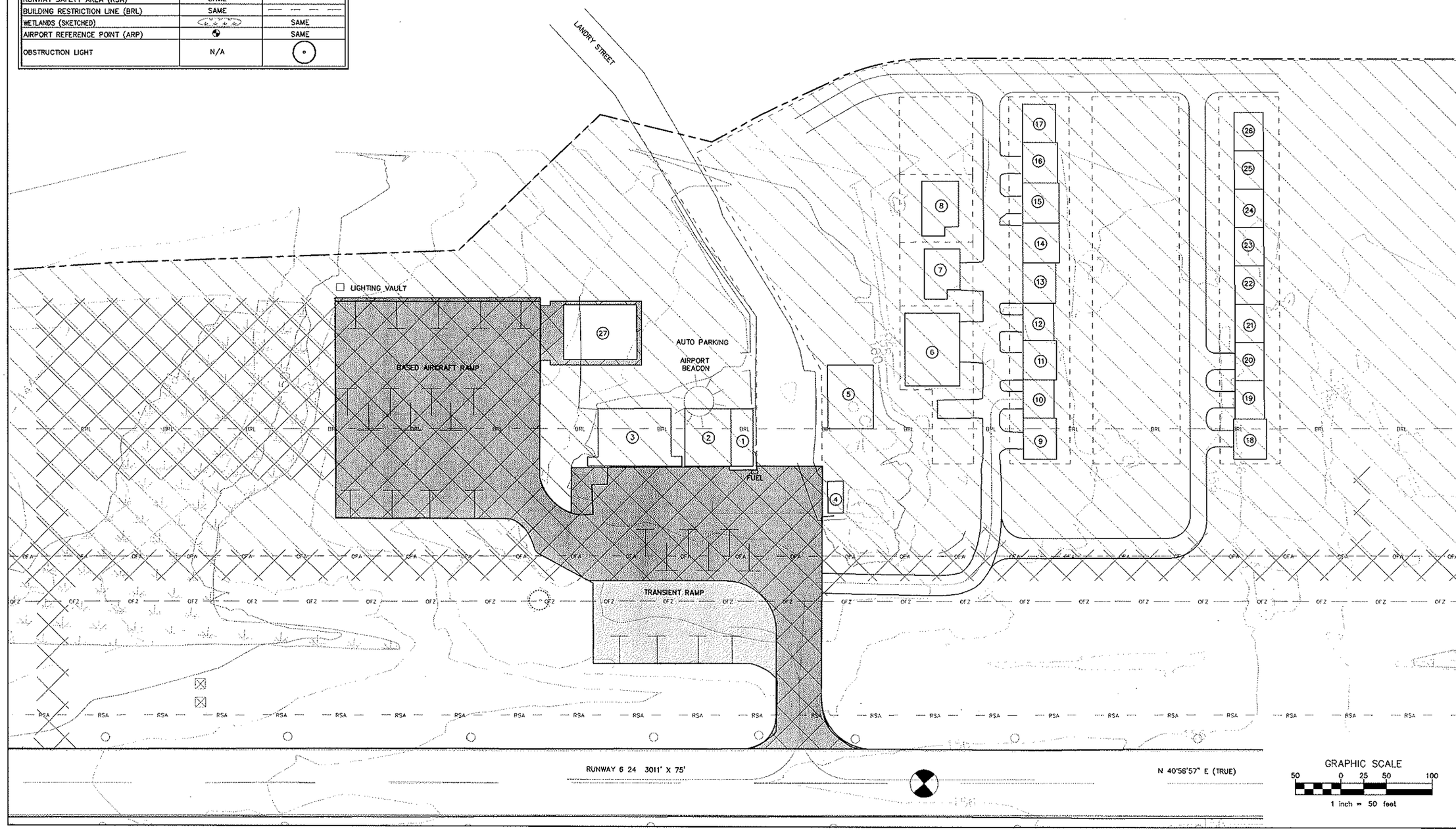
LEGEND	EXISTING	PROPOSED
AIRPORT PROPERTY LINE		
PROPERTY TO BE ACQUIRED	N/A	
PAVEMENT		
AVIGATION EASEMENT LINE		
FENCE LINE		SAME
BUILDINGS		
UTILITY POLE		SAME
REIL		
VASI		N/A
PAPI	N/A	
LIGHTED WIND CONE WITH SEGMENTED CIRCLE		
WIND CONE	N/A	
OBJECT-FREE AREA (OFA)	SAME	
OBJECT-FREE ZONE (OFZ)	SAME	
RUNWAY SAFETY AREA (RSA)	SAME	
BUILDING RESTRICTION LINE (BRL)	SAME	
WETLANDS (SKETCHED)		SAME
AIRPORT REFERENCE POINT (ARP)		SAME
OBSTRUCTION LIGHT	N/A	

EXISTING	ON-AIRPORT BUILDINGS	PROPOSED
1	FBO	
2–3	LEASED PUBLIC HANGARS	
4	LEASED PUBLIC BUILDING	
	SRE BUILDING	5
6–26	PRIVATE CONVENTIONAL HANGARS	
27	EAA (PRIVATE)	

NOTE:
BUILDING RESTRICTION LINE (BRL) WAS ESTABLISHED IN ACCORDANCE WITH FAA DESIGN AND FAR PART 77 CRITERIA. ITS LOCATION IN BIDDEFORD UTILIZES A 20 FT. VERTICAL OBJECT HEIGHT. THE BRL LOCATION MAY CHANGE DUE TO GROUND CONTOURS OR DIFFERENT OBJECT HEIGHTS, BUT ALWAYS IN ACCORDANCE WITH FAR PART 77 AND FAA DESIGN CRITERIA.



MAG. NORTH
(VARIATION 16°22')
SEPT. 2004 ANNUAL RATE OF
CHANGE 00°2'E/YEAR
SOURCE: NGDC



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Rev.	Description	By	Date
1	ADDED HANGAR 27	ECD	10-14-05

MAINE

BIDDEFORD MUNICIPAL AIRPORT

TERMINAL AREA

BIDDEFORD

Project No.	8120035.01
Proj. Manager	ECD
Proj. Designer	ECD
Drawn By	LBK
Checked By	ECD
Scale	1"=50'
Approved	DCD
Date	OCTOBER 2005

Sheet 4 of 8

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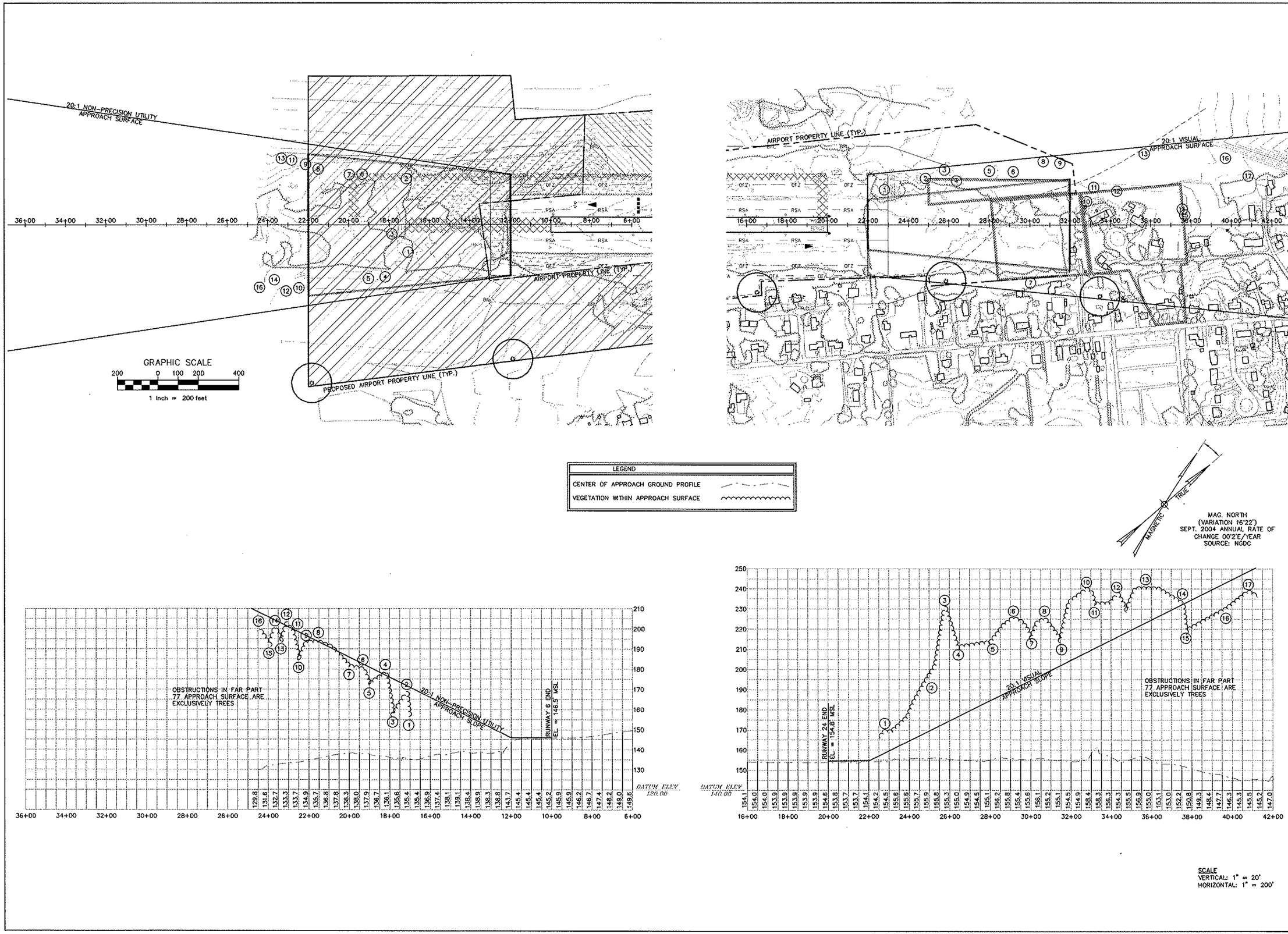

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Rev.	Description	By	Date
1	ADDED AVIGATION EASEMENTS	ECD	10-14-05

MAINE

BIDDEFORD MUNICIPAL AIRPORT

RUNWAY 6-24 APPROACH PLAN AND PROFILE

BIDDEFORD

Project No.	8120035.01
Proj. Manager	ECD
Proj. Designer	ECD
Drawn By	LRK
Checked By	ECD
Scale	AS SHOWN
Approved	DCD
Date	OCTOBER 2005

Sheet 5 of 8

D

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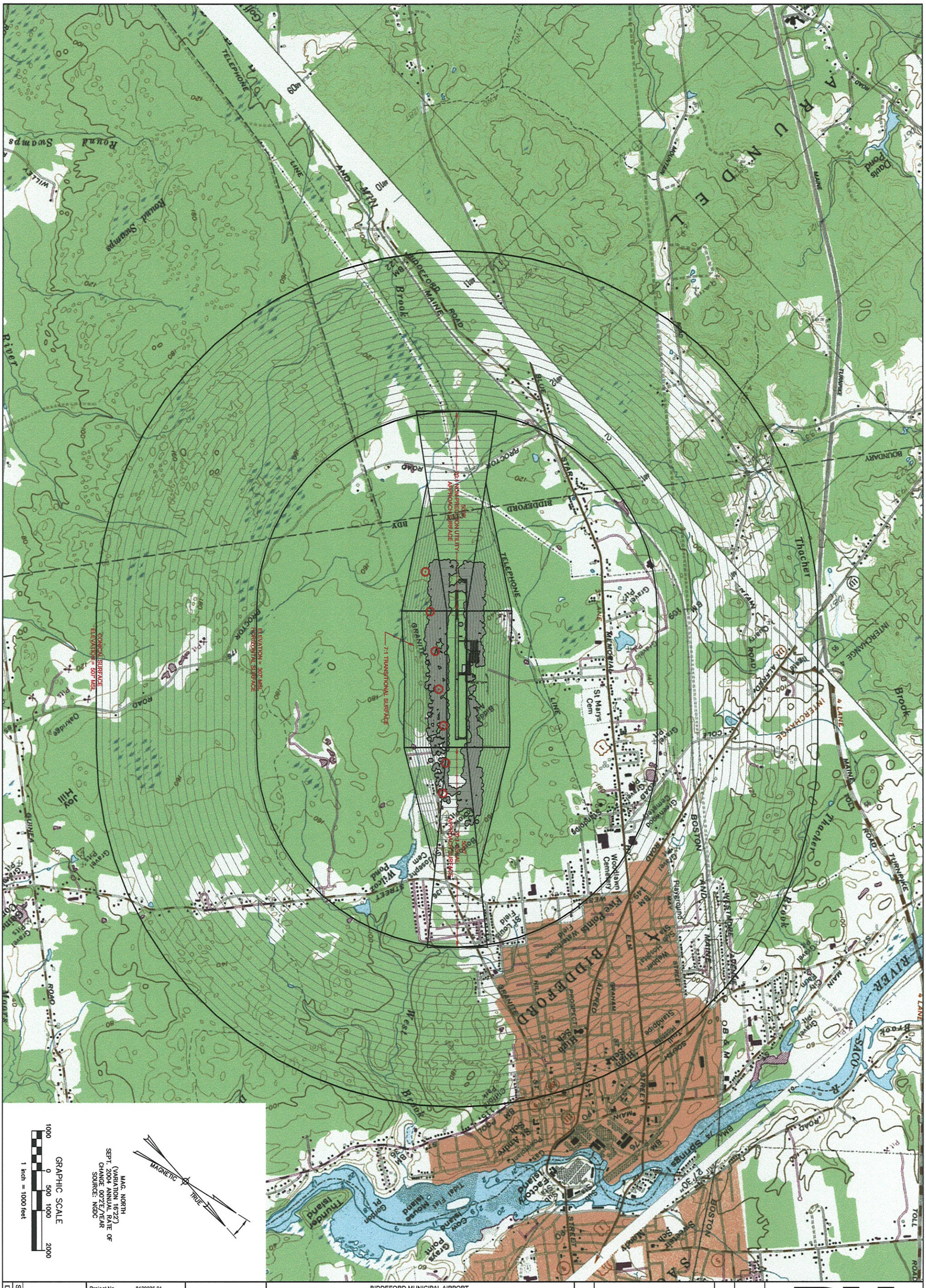

Project No.	8120035.01		
Proj. Manager	ECD		
Proj. Designer	ECD		
Drawn By	LRK		
Checked By	ECD		
Scale	1"=1000'		
Approved	DCD		
Date	FEBRUARY 2005		

BIDDEFORD MUNICIPAL AIRPORT

FAR PART 77

BIDDEFORD MAINE

Rev.	Description	By	Date

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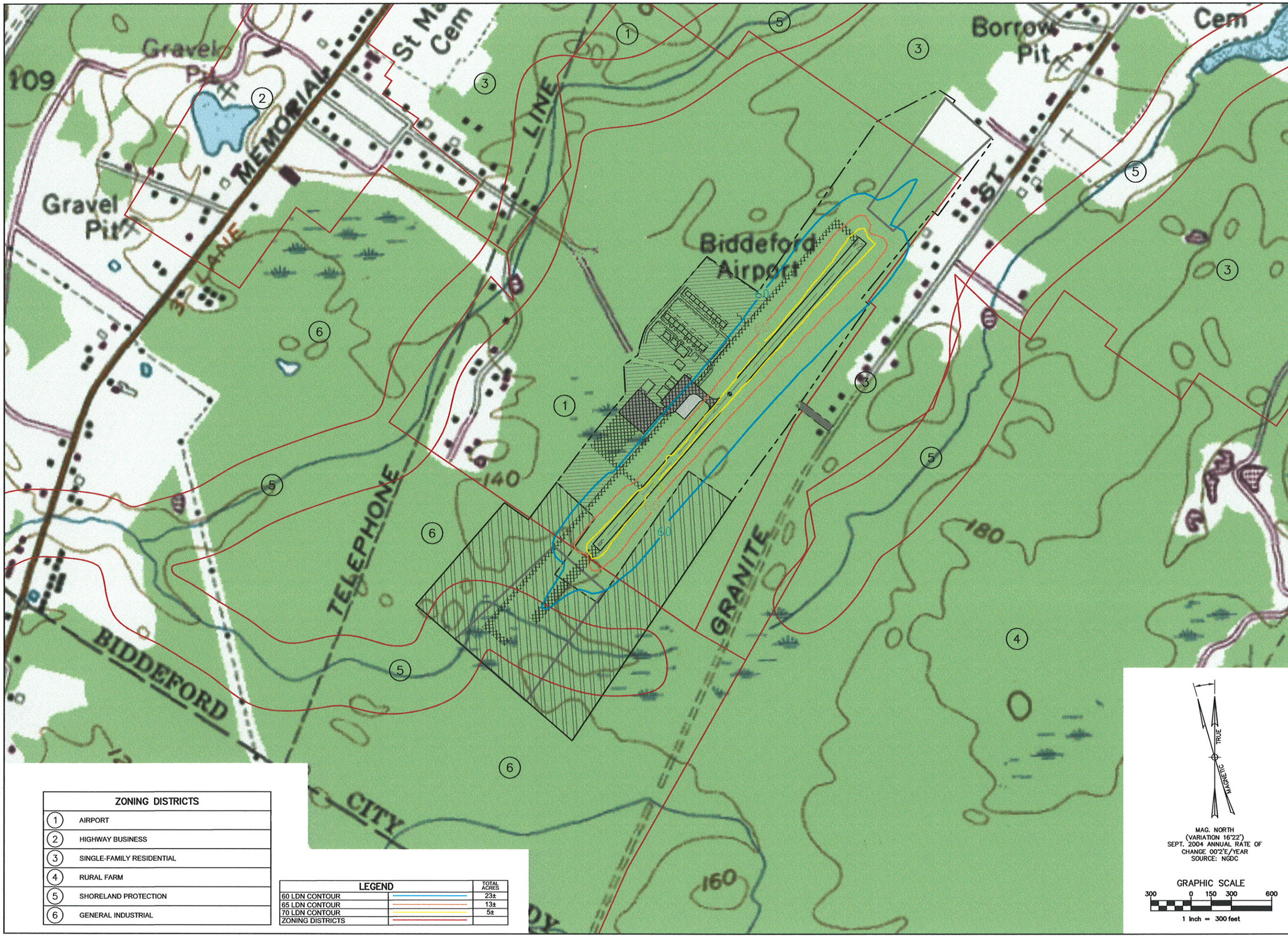
Sheet 6 of 8



ZONING DISTRICTS	
1	AIRPORT
2	HIGHWAY BUSINESS
3	SINGLE-FAMILY RESIDENTIAL
4	RURAL FARM
5	SHORELAND PROTECTION
6	GENERAL INDUSTRIAL

LEGEND	TOTAL ACRES
60 LDN CONTOUR	23±
65 LDN CONTOUR	13±
70 LDN CONTOUR	5±
ZONING DISTRICTS	

MAG. NORTH
(VARIATION 16°22')
SEPT. 2004 ANNUAL RATE OF
CHANGE 00°2'E/YEAR
SOURCE: NGDC

TRUE
MAGNETIC

GRAPHIC SCALE
300 0 150 300 600
1 inch = 300 feet

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Rev.	Description	By	Date

MAINE

BIDDEFORD MUNICIPAL AIRPORT

LAND USE PLAN

BIDDEFORD

Project No.	8120035.01
Proj. Manager	ECD
Proj. Designer	ECD
Drawn By	LRK
Checked By	ECD
Scale	1"=300'
Approved	DCD
Date	FEBRUARY 2005

Sheet 7 of 8

D

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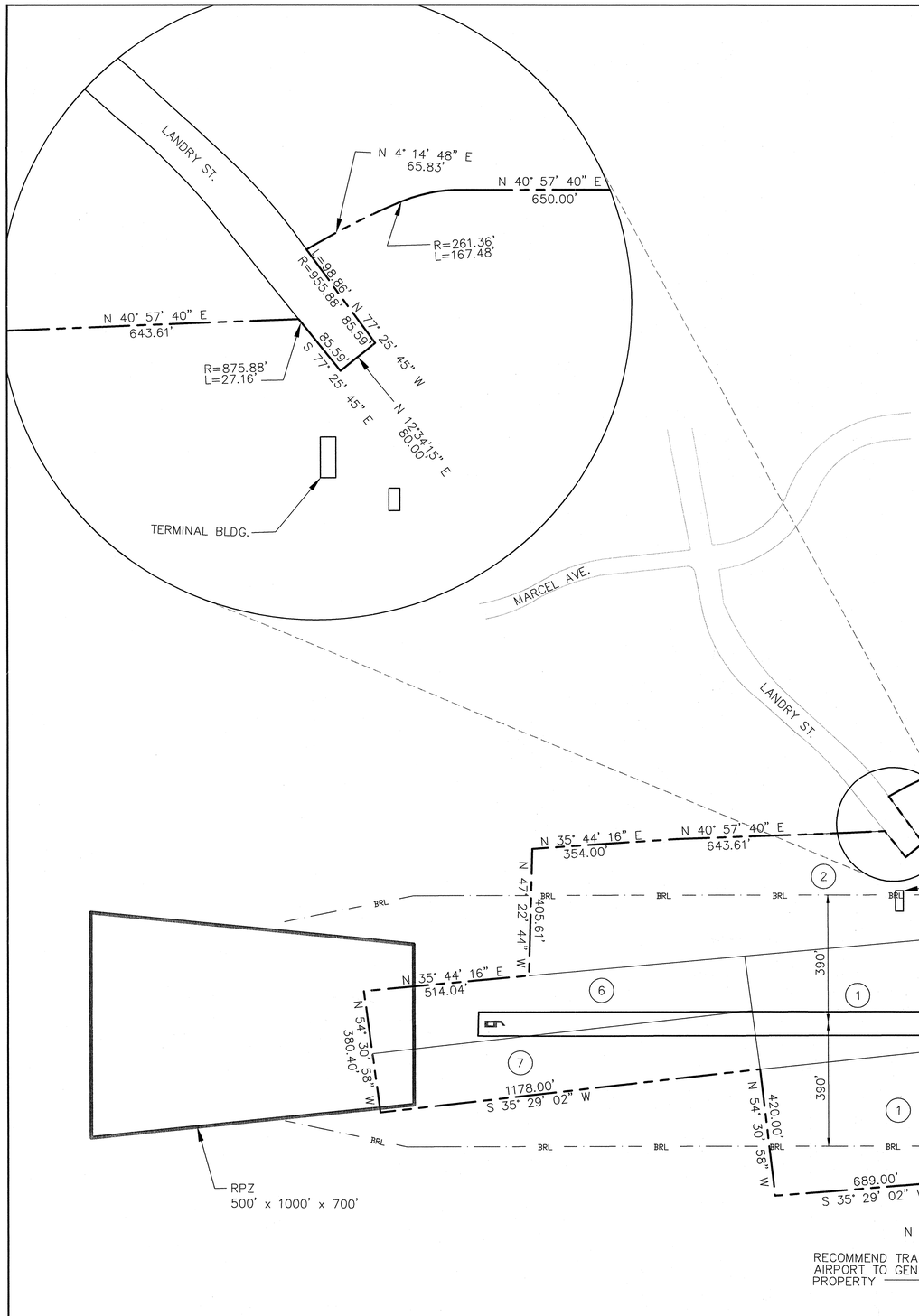
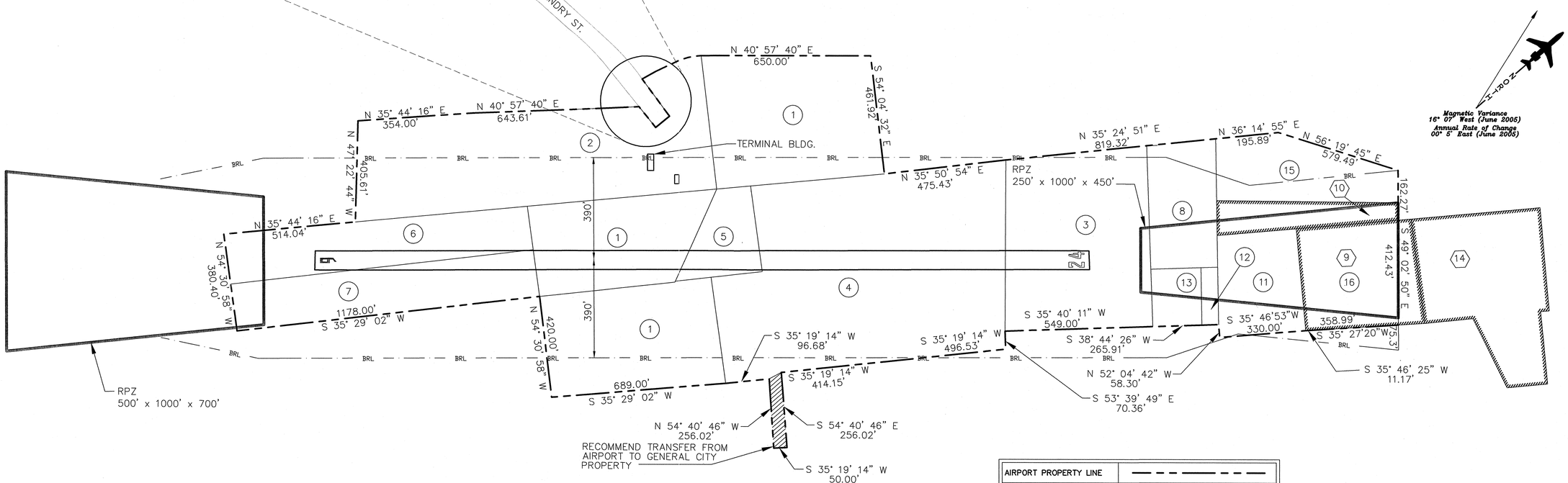


INVENTORY OF PARCELS

PARCEL NUMBER	GRANTOR	GRANTEE	INSTRUMENT	TOTAL ACERAGE	Y.C.R.D. BOOK – PAGE	DATE	REMARKS
1	GEORGE C. FOGG	CITY OF BIDDEFORD	FEE	30.0	847 –425	13 FEB. 35	
2	ORRIN H. FOSS	CITY OF BIDDEFORD	FEE	12.0	847 – 424	13 FEB. 35	
3	AMEDEE CHANTIGNY	CITY OF BIDDEFORD	FEE	6.5	847 – 427	13 FEB. 35	
4	MINNIE H. RICHARDS	CITY OF BIDDEFORD	FEE	17.9	847 – 424	13 FEB. 35	
5	HEIRS OF THOMAS F. FOSS	CITY OF BIDDEFORD	FEE	3.0	860 – 271	28 FEB. 35	
6	EZRA C. WAKEFIELD	CITY OF BIDDEFORD	FEE	5.0	1432 – 256	12 DEC. 60	
7	THOMAS J. BREEN	CITY OF BIDDEFORD	FEE	5.0	1432 – 257	12 DEC. 60	
8	EDWARD LEO & ELIZABETH L. CARON	CITY OF BIDDEFORD	FEE	2.9	1441 – 99	8 SEPT. 60	
9	PAUL BILODEAU	CITY OF BIDDEFORD	EASEMENT	4.5	1468 – 241	11 OCT. 61	FEDERAL AID PROJECT NO. 9–17–024–6101
10	ERNEST & LUCETTE MOREAU	CITY OF BIDDEFORD	EASEMENT		1508 – 118	9 OCT. 62	FEDERAL AID PROJECT NO. 9–17–024–6101
11	HEIRS OF MARY MORGAN	CITY OF BIDDEFORD	FEE	2.8	1801 – 418	29 MARCH 68	FEDERAL AID PROJECT NO. 9–17–024–6101
12	VICTOR FLEURENT & SONS INC.	CITY OF BIDDEFORD	CONDEMNATION	0.36	1623 – 24	14 OCT. 64	FEDERAL AID PROJECT NO. 9–17–024–6101
13	VICTOR & DELIA FLEURENT	CITY OF BIDDEFORD	CONDEMNATION	1.1	1623 – 25	14 OCT. 64	FEDERAL AID PROJECT NO. 9–17–024–6101
14	RAYMOND E. & RACHEL D. TARDIF	CITY OF BIDDEFORD	EASEMENT	6.0	2644 – 207	28 APRIL 80	
15	THERESA M. FORTIN	CITY OF BIDDEFORD	CONDEMNATION	4.97	5664 – 52	01 APRIL 91	A.I.P. # 3–23–0009–03
16	PAUL BILODEAU	CITY OF BIDDEFORD	CONDEMNATION	3.68	5664 – 52	01 APRIL 91	A.I.P. # 3–23–0009–03

NOTES:

1. THIS IS AN EXHIBIT A PROPERTY MAP, PART OF THE AIRPORT IMPROVEMENT PROGRAM FEDERAL GRANT APPLICATION. IT IS NOT A BOUNDARY SURVEY OR ENGINEERING PLAN. THE PRIMARY INTENT IS TO IDENTIFY ALL LAND WHICH IS DESIGNATED AIRPORT PROPERTY AND TO PROVIDE AN INVENTORY OF ALL PARCELS WHICH MAKE UP THE AIRPORT. PHYSICAL SURVEY OF BOUNDARIES IS GENERALLY NOT REQUIRED. REFER TO AC 150/5100–17.
2. REFERENCE IS MADE TO A PLAN ENTITLED, "PLAN OF LAND TAKING AND CLEARING EASEMENTS, NORTHEAST CLEAR ZONE BIDDEFORD AIRPORT, BIDDEFORD, MAINE," DATED AUGUST 25, 1960, COMPLETED BY STEWART ASSOCIATES, INCORPORATED.
3. REFERENCE IS MADE TO A PLAN ENTITLED, "PLAN SHOWING LAND SURVEYED FOR THE CITY OF BIDDEFORD, KNOWN AS THE BIDDEFORD MUNICIPAL AIRPORT," DATED JUNE 8, 1983, COMPLETED BY JOHN D. ROBERTS.



AIRPORT PROPERTY LINE	
AIRPORT PARCEL LINE	
RUNWAY PROTECTION ZONE	
BUILDING RESTRICTION LINE	BRL
EASEMENT (AVIGATION)	
EASEMENT PARCEL	XX
PROPERTY PARCEL	XX

GRAPHIC SCALE

200 0 100 200 400

1 inch = 200 feet

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Rev.	Description	By	Date

MAINE

BIDDEFORD MUNICIPAL AIRPORT

EXHIBIT A PROPERTY MAP

BIDDEFORD

Project No.	8105011
Proj. Manager	ECD
Proj. Designer	CBK/BAR
Drawn By	CEJ/CBK
Checked By	CBK
Scale	1"=200'
Approved	DCD
Date	6-24-2005

Sheet 8 of 8

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