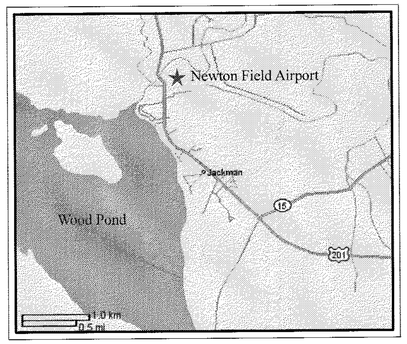
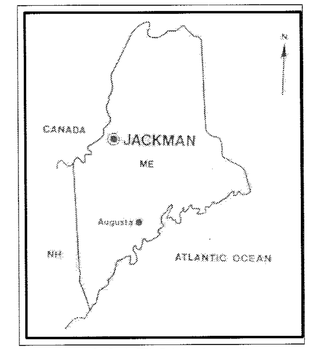


VICINITY MAP
SCALE: 1" = 3520'



LOCATION MAP
NOT TO SCALE

MASTER PLAN UPDATE
NEWTON FIELD
JACKMAN, MAINE
AIP NO. 3-23-2300-01
MEDOT PIN #008772.00
MARCH 2003

Prepared For:

MAINE DEPARTMENT OF TRANSPORTATION
OFFICE OF PASSENGER TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE

DRAWING INDEX

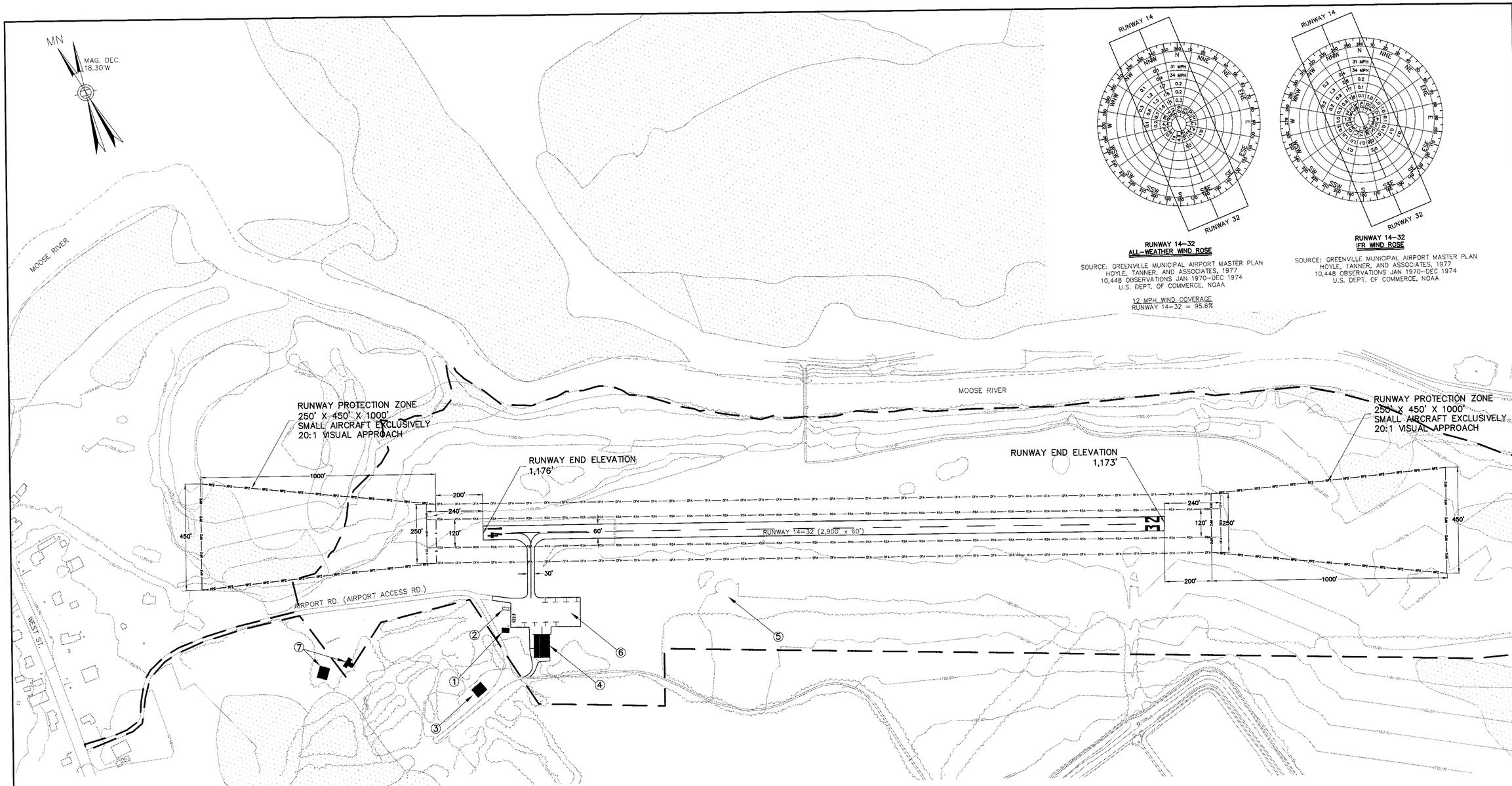
SHEET NUMBER	DESCRIPTION
1	EXISTING AIRPORT LAYOUT PLAN
2	ULTIMATE AIRPORT LAYOUT PLAN
3	TERMINAL AREA PLAN
4	PLAN AND PROFILE R/W 14-32
5	AIRPORT IMAGINARY SURFACES PLAN
6	LAND USE PLAN

Prepared For:

KATHLEEN MACKENZIE
TOWN MANAGER
TOWN OF JACKMAN
JACKMAN, MAINE

Prepared By:

Edwards AND Kelcey
ONE SUNDIAL AVENUE
MANCHESTER, NH 03103
Phone: (603) 666-7181
Fax: (603) 666-7185



RUNWAY 14–32
ALL–WEATHER WIND ROSE

SOURCE: GREENVILLE MUNICIPAL AIRPORT MASTER PLAN
HOYLE, TANNER, AND ASSOCIATES, 1977
10,448 OBSERVATIONS JAN 1970–DEC 1974
U.S. DEPT. OF COMMERCE, NOAA

12 MPH WIND COVERAGE
RUNWAY 14–32 = 95.6%

RUNWAY 14–32
IFR WIND ROSE

SOURCE: GREENVILLE MUNICIPAL AIRPORT MASTER PLAN
HOYLE, TANNER, AND ASSOCIATES, 1977
10,448 OBSERVATIONS JAN 1970–DEC 1974
U.S. DEPT. OF COMMERCE, NOAA

RUNWAY DATA TABLE

ITEM	RUNWAY 14–32 EXISTING	
AIRPORT REFERENCE CODE (ARC)	A–1	
LENGTH/WIDTH	2900' x 60'	
RUNWAY MARKINGS	VISUAL	
NAVIGATION AIDS	NONE	
VISUAL AIDS	ROTATING BEACON, REILS (RW 32)	
RUNWAY LIGHTING	MIRLS	
PART 77 CATEGORY	VISUAL/UTILITY	
APPROACH SURFACES	RUNWAY 14	RUNWAY 32
SLOPE	20:1	20:1
INNER WIDTH	250'	250'
OUTER WIDTH	1,250'	1,250'
LENGTH	5,000'	5,000'
RUNWAY SAFETY AREA	RUNWAY 14	RUNWAY 32
WIDTH (W)	120'	120'
LENGTH BEYOND RW END (L)	240'	240'
RUNWAY OBJECT FREE AREA		
WIDTH (W)	250'	250'
LENGTH BEYOND RW END (L)	240'	240'
RUNWAY PROTECTION ZONE		
INNER WIDTH	250'	250'
OUTER WIDTH	450'	450'
LENGTH	1000'	1000'
SURFACE TYPE	BITUMINOUS	
PAVEMENT MARKINGS	VISUAL	
RUNWAY END COORDINATES	RUNWAY 14	RUNWAY 32
	45°38'04" N	45°37'52" N
	70°15'21" W	70°14'29" W
EFFECTIVE RUNWAY GRADIENT	0.09 %	
PAVEMENT STRENGTH	30,000 SW	

AIRPORT DATA TABLE

ITEM	EXISTING	
AIRPORT ELEVATION (MSL)	1176'	
AIRPORT REFERENCE POINT	LAT: 45°37'92"N LONG: 70°14'84"W	
AIRPORT AREA (ACRES)	132	
TERMINAL NAVAIDS	BEACON	
AIRPORT COMMUNICATIONS	CTAF 122.9	
TAXIWAY WIDTH	30'	
TAXIWAY LIGHTING	MITLS	
OPERATIONAL ROLE	GENERAL AVIATION	
FAA ROLE	GENERAL AVIATION	
MEAN MAX. TEMPERATURE	79° F	
AIRPORT REFERENCE CODE (ARC)	A–1	
DESIGN AIRCRAFT	C–172	
% WIND COVERAGE	RUNWAY 14	RUNWAY 32
	48.3	72.2

LEGEND

	WETLANDS SOURCE: MAINE GIS
	EXISTING ON AIRPORT BUILDINGS
	OTHER BUILDINGS
	AIRPORT PROPERTY LINE
RSA	RUNWAY SAFETY AREA (RSA)
RPZ	RUNWAY PROTECTION ZONE (RPZ)
OFA	RUNWAY OBSTACLE FREE AREA (ROFA)
	ROADS
	RIVER
	AIRFIELD PAVEMENT
	GROUND CONTOURS
	TREELINE

AIRPORT FACILITIES

NO.	FEATURE
1	TERMINAL BUILDING
2	AVGAS FUEL STORAGE TANK
3	CONVENTIONAL HANGAR
4	CONVENTIONAL HANGAR
5	SEGMENTED CIRCLE
6	PAVED AIRCRAFT TIEDOWN APRON
7	HANGARS

GRAPHIC SCALE

200 0 100 200 400

1"=200'

ENGINEER'S SEAL

Edwards AND Kelcey
1 Sundial Avenue, Suite 410
Manchester, NH 03103
(603) 666-7785
FAX: (603) 666-7785

SCALE:	1"=200'
DATE:	MAY 02
DESIGNED BY:	HHM
DRAWN BY:	MMP
CHECKED BY:	JEP
APPROVED:	SVB

MAINE DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE ROAD, AUGUSTA, ME

NEWTON FIELD AIRPORT MASTER PLAN UPDATE

EXISTING AIRPORT LAYOUT PLAN

REVISIONS

REV. NO.	DATE	DESCRIPTION	BY

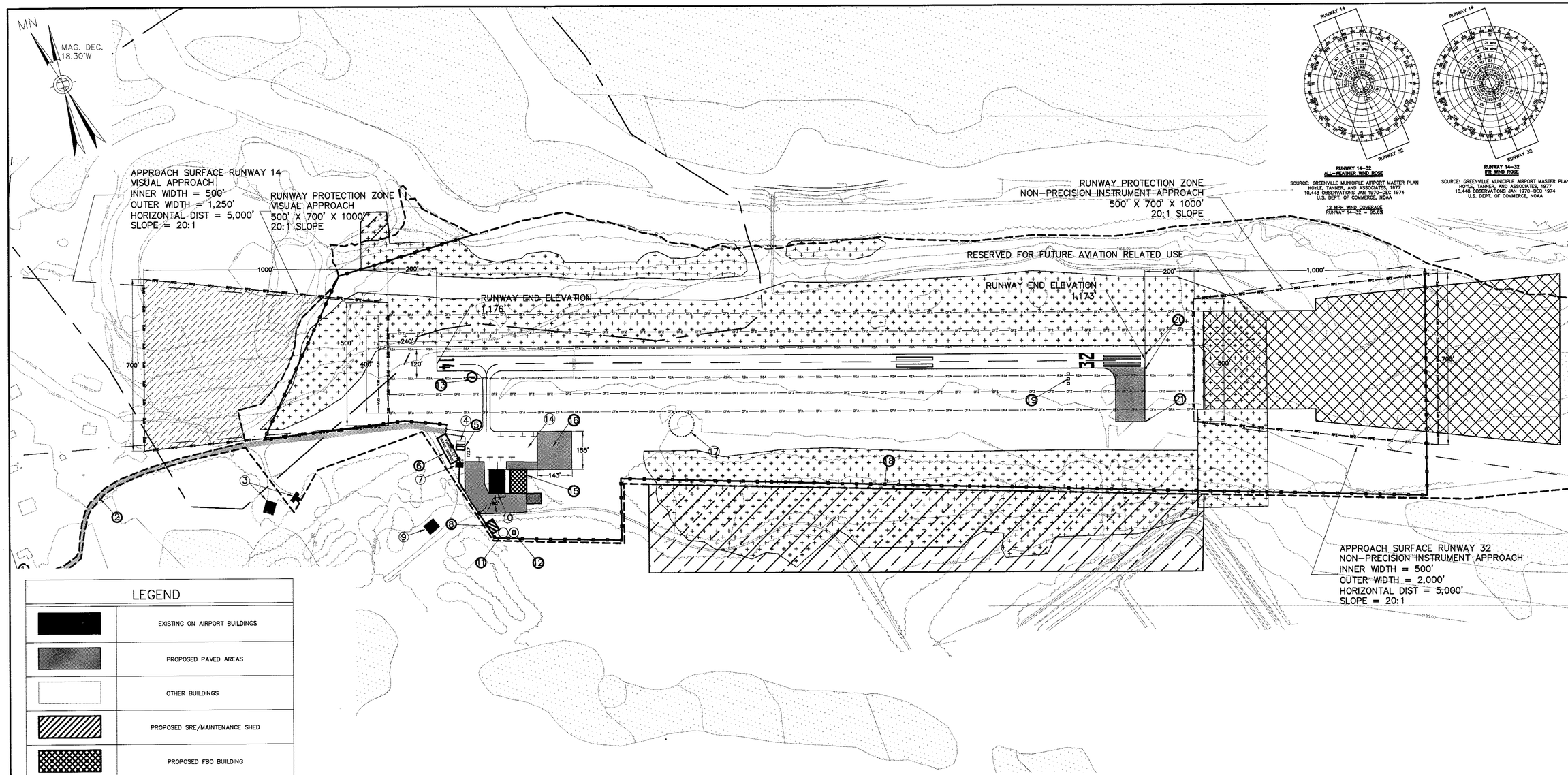
PROJ. NO.: 010018019
FILE NAME: NEWTON FIELD
AIP NO.: 3-23-2300-01

DRAWING NO.

1

SHEET 1 OF 6

REV



RUNWAY 14–32
ALL-WEATHER WIND ROSE

SOURCE: GREENVILLE MUNICIPLE AIRPORT MASTER PLAN
HOYLE, TANNER, AND ASSOCIATES, 1977
10,448 OBSERVATIONS JAN 1970–DEC 1974
U.S. DEPT. OF COMMERCE, NOAA

12 MPH WIND COVERAGE
RUNWAY 14–32 = 95.55

RUNWAY 14–32
VFR WIND ROSE

SOURCE: GREENVILLE MUNICIPLE AIRPORT MASTER PLAN
HOYLE, TANNER, AND ASSOCIATES, 1977
10,448 OBSERVATIONS JAN 1970–DEC 1974
U.S. DEPT. OF COMMERCE, NOAA

LEGEND

	EXISTING ON AIRPORT BUILDINGS
	PROPOSED PAVED AREAS
	OTHER BUILDINGS
	PROPOSED SRE/MAINTENANCE SHED
	PROPOSED FBO BUILDING
	LAND TO BE ACQUIRED
	VEGETATION PENETRATION TO FAR PART 77 TRANSITIONAL SURFACES
	PROPOSED AVIGATION EASEMENT
	WETLANDS SOURCE: MAINE GIS
	AIRPORT PROPERTY LINE
	RUNWAY APPROACH SURFACE
	ACCESS GATE
	PROPOSED WILDLIFE FENCE
RSA	RUNWAY SAFETY AREA (RSA)
RPZ	RUNWAY PROTECTION ZONE (RPZ)
OFA	RUNWAY OBJECT FREE AREA (ROFA)
	ROADS
	RIVER
	AIRFIELD PAVEMENT
	GROUND CONTOURS
	TREELINE
	WILDLIFE HABITAT

AIRPORT FACILITIES

NO.	FEATURE
1	PROPOSED NEW AIRFIELD ENTRANCE SIGN
2	PROPOSED PAVED AIRPORT ACCESS ROAD
3	HANGARS
4	AVGAS FUEL STORAGE TANK
5	PROPOSED JET A FUEL STORAGE TANK
6	PROPOSED EXPANDED PARKING LOT
7	TERMINAL BUILDING
8	PROPOSED SRE/MAINTENANCE SHED
9	CONVENTIONAL HANGAR
10	CONVENTIONAL HANGAR
11	REPLACE DAMAGED BEACON
12	PROPOSED AWOS LOCATION
13	REPLACE EXISTING TAXIWAY SIGN
14	EXISTING PAVED AIRCRAFT TIEDOWN APRON
15	PROPOSED FBO BUILDING
16	PROPOSED PAVED APRON
17	SEGMENTED CIRCLE
18	PROPOSED WILDLIFE FENCE
19	PROPOSED 2-BOX VASI LIGHTS
20	RESET EXISTING REILS FOUNDATIONS
21	TURNAROUND

RUNWAY DATA TABLE

ITEM	RUNWAY 14–32 EXISTING	RUNWAY 14–32 FUTURE
AIRPORT REFERENCE CODE (ARC)	A–1	B–1
LENGTH/WIDTH	2900' x 60'	SAME
RUNWAY MARKINGS	VISUAL	RUNWAY 14 VISUAL; RUNWAY 32 NPI
NAVIGATION AIDS	NONE	SAME
VISUAL AIDS	ROTATING BEACON, REILS (RW 32)	BEACON, REILS VASI (RW 32)
RUNWAY LIGHTING	MIRLS	SAME
PART 77 CATEGORY	VISUAL/UTILITY	RUNWAY 14 VISUAL; RUNWAY 32 NPI/UTILITY
APPROACH SURFACES (RUNWAY 14 / RUNWAY 32) SLOPE	20:1 / 20:1	20:1 / 20:1
INNER WIDTH	250' / 250'	500' / 500'
OUTER WIDTH	1,250' / 1,250'	1,250' / 2,000'
LENGTH	5,000' / 5,000'	5,000' / 5,000'
RUNWAY SAFETY AREA WIDTH (W)	120' / 120'	SAME
LENGTH BEYOND RW END (L)	240' / 240'	
RUNWAY OBJECT FREE AREA WIDTH (W)	250' / 250'	400' / 400'
LENGTH BEYOND RW END (L)	240' / 240'	240' / 240'
RUNWAY PROTECTION ZONE INNER WIDTH	250' / 250'	500' / 500'
OUTER WIDTH	450' / 450'	700' / 700'
LENGTH	1000' / 1000'	1000' / 1000'
SURFACE TYPE	BITUMINOUS	SAME
RUNWAY END COORDINATES	RUNWAY 14: 45°38'04" N 70°18'21" W; RUNWAY 32: 45°37'52" N 70°14'29" W	SAME
EFFECTIVE RUNWAY GRADIENT	0.09 BOTH RUNWAYS	SAME
PAVEMENT STRENGTH	30,000 SW	SAME

AIRPORT DATA TABLE

ITEM	EXISTING	FUTURE
AIRPORT ELEVATION (MSL)	1176'	SAME
AIRPORT REFERENCE POINT	LAT: 45°37'92"N LONG: 70°14'84"W	SAME
AIRPORT AREA (ACRES)	132	SAME
TERMINAL NAVAIDS	BEACON	SAME
AIRPORT COMMUNICATIONS	CTAF 122.9	CTAF/AWOS
TAXIWAY WIDTH	30'	SAME
TAXIWAY LIGHTING	MITLS	SAME
OPERATIONAL ROLE	GENERAL AVIATION	SAME
FAA ROLE	GENERAL AVIATION	SAME
MEAN MAX. TEMPERATURE	79° F	SAME
AIRPORT REFERENCE CODE (ARC)	A–1	B–1
DESIGN AIRCRAFT	C–172	BEECH KING AIR
% WIND COVERAGE	RUNWAY 14: 46.3; RUNWAY 32: 72.2	SAME

NONCONFORMING CONDITIONS

DESCRIPTION	EXISTING CONDITION	FAA STANDARD	REMARKS	DATE APPROVED
PART 77 TRANSITION SURFACE PENETRATIONS	TREES PENETRATE SOUTHERLY TRANSITION SURFACE	CLEAR OF TREE PENETRATIONS	WAIVER OF STANDARDS #97	10/31/91

CERTIFICATION:
THE MAINE DEPARTMENT OF TRANSPORTATION CERTIFIES THAT ALL AIRPORT ELEMENTS SHOWN ON THIS ALP ARE IN ACCORDANCE WITH CRITERIA CONTAINED IN THE CURRENT EDITION OF FAA ADVISORY CIRCULAR 150/5300–13–(THROUGH CHANGE 6), EXCEPT AS NOTED IN TASK ENTITLED, "NONCONFORMING CONDITIONS."

~~MAINE DEPARTMENT OF TRANSPORTATION~~ DATE
FEDERAL AVIATION ADMINISTRATION

GRAPHIC SCALE
200 0 100 200 400
1"=200'

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NEW ENGLAND REGION
APPROVED Ralph Nimi Pu
DATE 7-30-2007

MAINE DEPARTMENT OF TRANSPORTATION
OFFICE OF PASSENGER TRANSPORTATION
APPROVED
DATE 6-2-03

TOWN OF JACKMAN
APPROVED Kathleen MacKenzie
DATE May 8, 2003

ENGINEER'S SEAL

Edwards AND Kelcey
1 Sundial Avenue, Suite 410
Manchester, NH 03103
(603) 666-7181
FAX (603) 666-7185

SCALE: 1"=200'
DATE: 05/03/02
DESIGNED BY: HHM
DRAWN BY: MMP
CHECKED BY: JEP
APPROVED: SVB

Maine Department of Transportation
16 STATE HOUSE ROAD, AUGUSTA, ME

Newton Field Airport Master Plan Update

ULTIMATE AIRPORT LAYOUT PLAN

REVISIONS

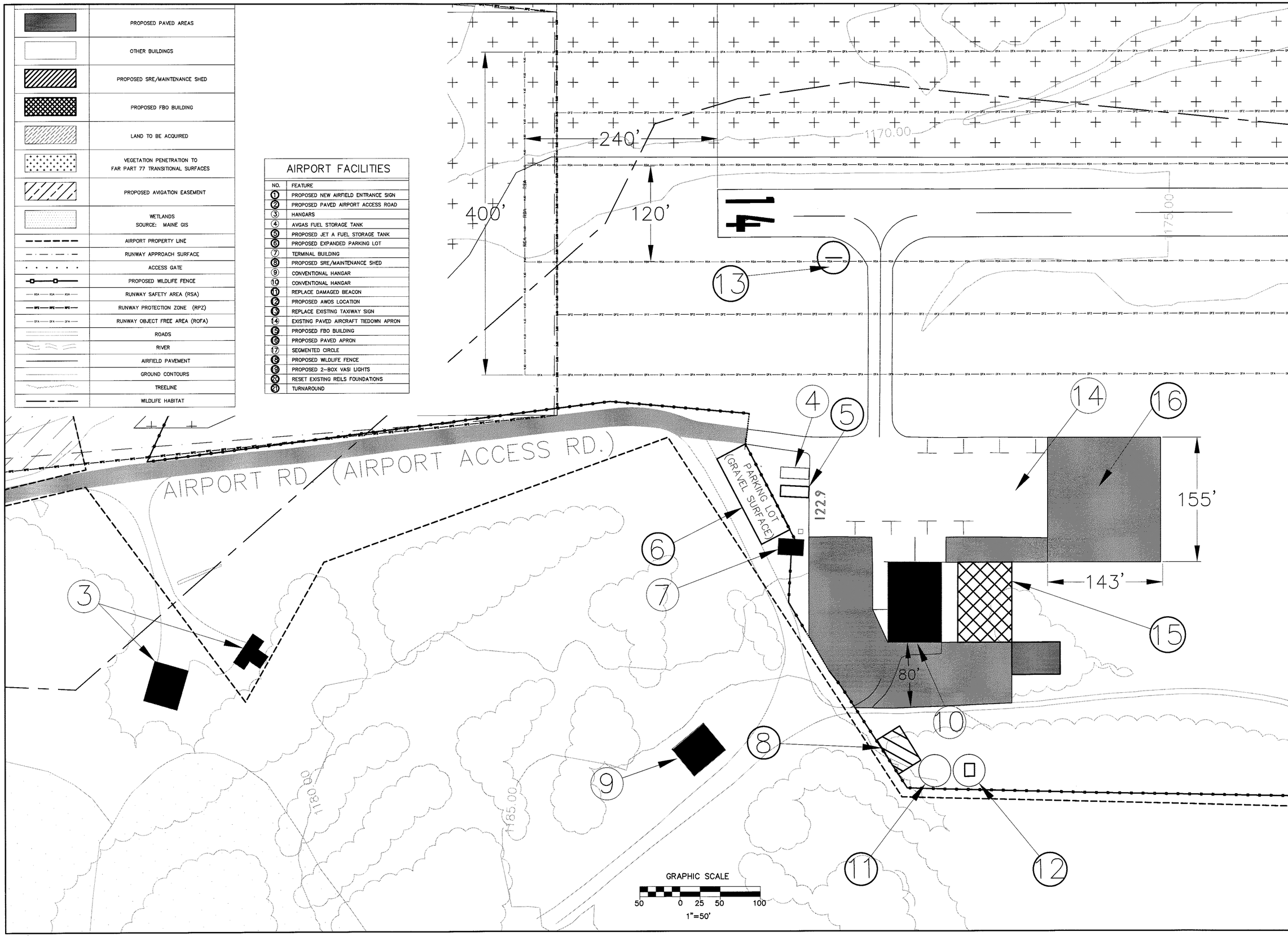
REV. NO.	DATE	DESCRIPTION	BY

PROJ. NO.: 010018019
FILE NAME: NEWTON FIELD
AIP NO.: 3-23-2300-01
DRAWING NO.
2
SHEET 2 OF 6
REV

	PROPOSED PAVED AREAS
	OTHER BUILDINGS
	PROPOSED SRE/MAINTENANCE SHED
	PROPOSED FBO BUILDING
	LAND TO BE ACQUIRED
	VEGETATION PENETRATION TO FAR PART 77 TRANSITIONAL SURFACES
	PROPOSED AVIGATION EASEMENT
	WETLANDS SOURCE: MAINE GIS
	AIRPORT PROPERTY LINE
	RUNWAY APPROACH SURFACE
	ACCESS GATE
	PROPOSED WILDLIFE FENCE
	RUNWAY SAFETY AREA (RSA)
	RUNWAY PROTECTION ZONE (RPZ)
	RUNWAY OBJECT FREE AREA (ROFA)
	ROADS
	RIVER
	AIRFIELD PAVEMENT
	GROUND CONTOURS
	TREELINE
	WILDLIFE HABITAT

AIRPORT FACILITIES

NO.	FEATURE
1	PROPOSED NEW AIRFIELD ENTRANCE SIGN
2	PROPOSED PAVED AIRPORT ACCESS ROAD
3	HANGARS
4	AVGAS FUEL STORAGE TANK
5	PROPOSED JET A FUEL STORAGE TANK
6	PROPOSED EXPANDED PARKING LOT
7	TERMINAL BUILDING
8	PROPOSED SRE/MAINTENANCE SHED
9	CONVENTIONAL HANGAR
10	CONVENTIONAL HANGAR
11	REPLACE DAMAGED BEACON
12	PROPOSED AWOS LOCATION
13	REPLACE EXISTING TAXIWAY SIGN
14	EXISTING PAVED AIRCRAFT TIEDOWN APRON
15	PROPOSED FBO BUILDING
16	PROPOSED PAVED APRON
17	SEGMENTED CIRCLE
18	PROPOSED WILDLIFE FENCE
19	PROPOSED 2-BOX VASI LIGHTS
20	RESET EXISTING REILS FOUNDATIONS
21	TURNAROUND



ENGINEER'S SEAL

Edwards AND Kelcey
1 Sundial Avenue, Suite 410
Manchester, NH 03103
(603) 666-7181
FAX (603) 666-7185

SCALE: 1"=50'
DATE: 05/03/02
DESIGNED BY: HHM
DRAWN BY: MMP
CHECKED BY: JEP
APPROVED: SVB

Maine Department of Transportation
16 STATE HOUSE ROAD, AUGUSTA, ME

Newton Field Airport Master Plan Update

TERMINAL AREA PLAN

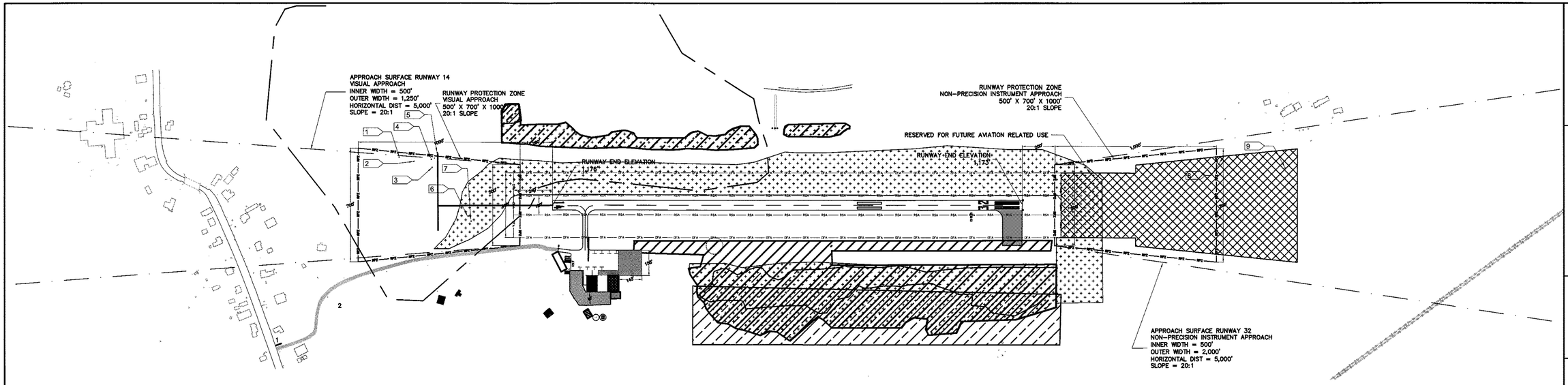
REVISIONS

REV. NO.	DATE	DESCRIPTION	BY

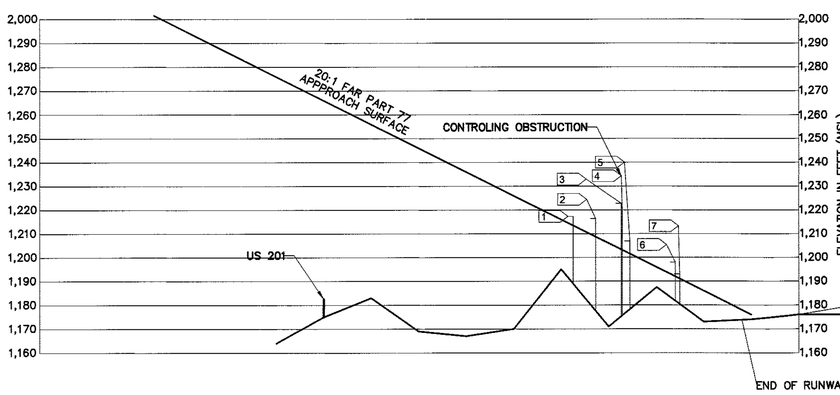
PROJ. NO.: 010018019
FILE NAME: NEWTON FIELD
AIP NO.: 3-23-2300-01

DRAWING NO.
3

SHEET 3 OF 6

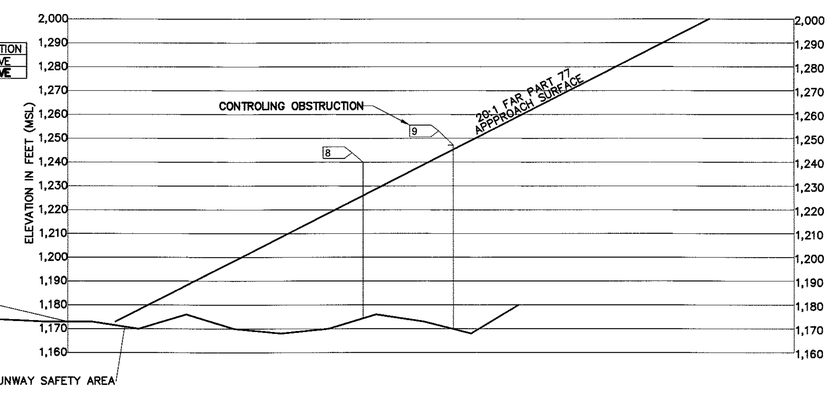


PLAN RUNWAY 14–32
SCALE: 1" = 300'



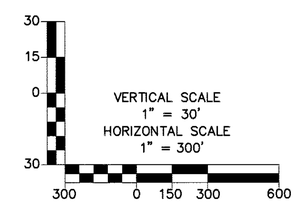
RUNWAY 14				RUNWAY 32			
TREE	TOP ELEV (MSL)	PENETRATION	DISPOSITION	TREE	TOP ELEV (MSL)	PENETRATION	DISPOSITION
1	1217.3 FT	4.0 FT	REMOVE	8	1240.8 FT	15.3 FT	REMOVE
2	1216.4 FT	7.5 FT	REMOVE	**9**	**1247.1 FT**	**2.8 FT**	**REMOVE**
3	1220.0 FT	19.0 FT	REMOVE				
4	**1222.8 FT**	**19.3 FT**	**REMOVE**				
5	1206.9 FT	5.4 FT	REMOVE				
6	1198.0 FT	5.8 FT	REMOVE				
7	1193.0 FT	2.0 FT	REMOVE				

BOLD DENOTES CONTROLING OBSTRUCTION



NOTE: PENETRATIONS TO TRANSITIONAL AND PRIMARY SURFACE NOT SHOWN

PROFILE RUNWAY 14–32
SCALE: 1" = 30'



ENGINEER'S SEAL

Edwards AND Kelcey
1 Sundial Avenue, Suite 410
Manchester, NH 03103
(603) 666-7781
FAX (603) 666-7785

SCALE: AS SHOWN
DATE: MAY 2002
DESIGNED BY: HHM
DRAWN BY: JEP
CHECKED BY: JEP
APPROVED: SVB

MAINE DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION, AUGUSTA, MAINE

NEWTON FIELD AIRPORT MASTER PLAN UPDATE

PLAN AND PROFILE RUNWAY 14 – 32

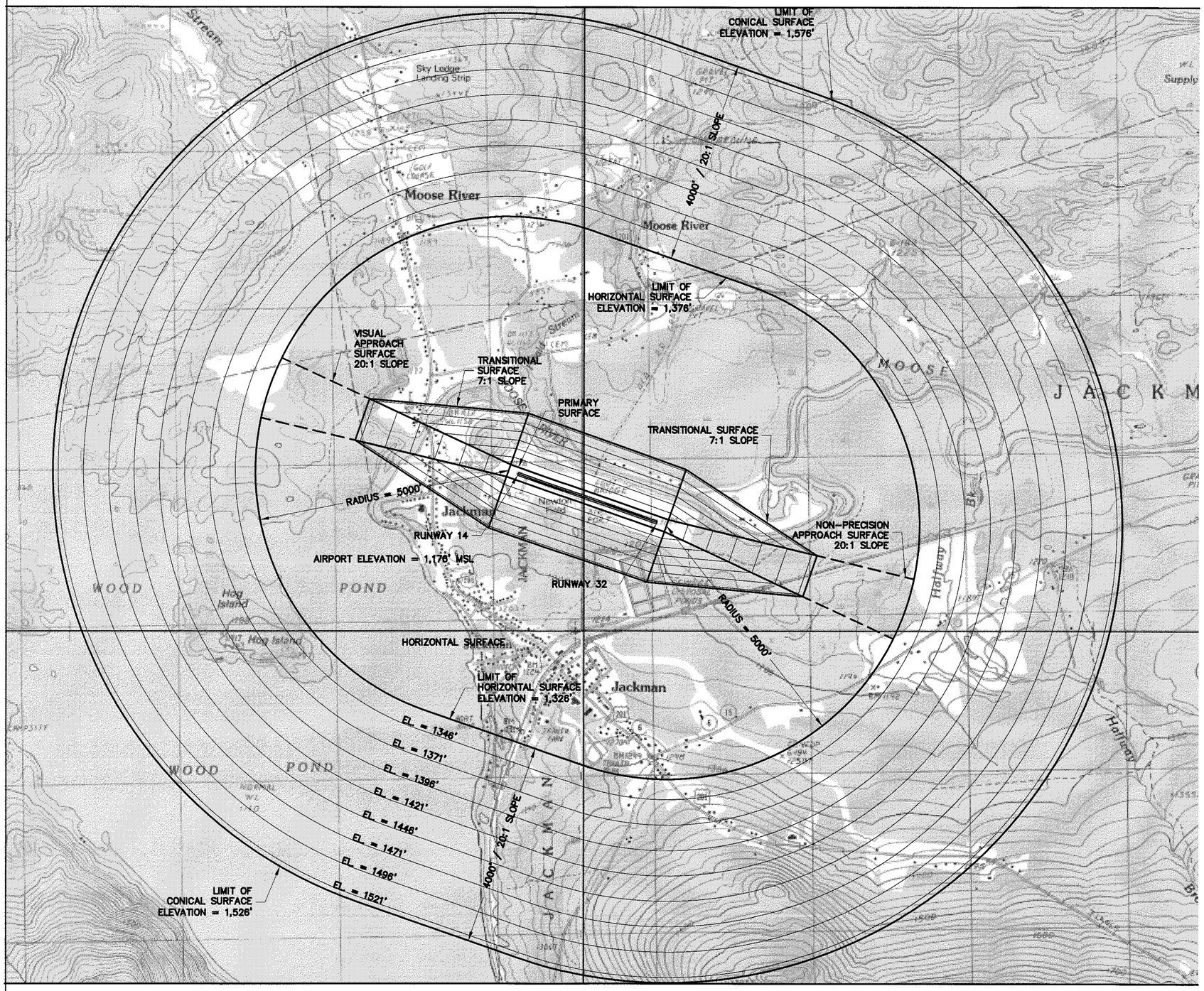
REVISIONS

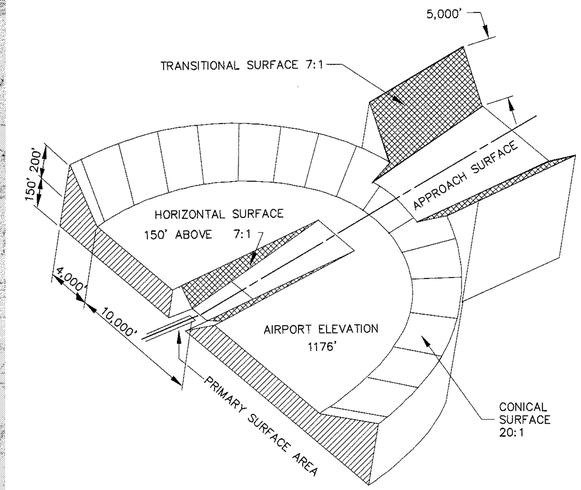
REV. NO.	DATE	DESCRIPTION	BY

PROJ. NO.: 010018019
FILE NAME: NEWTON AMPU
AIP NO.: 3-23-2300-01

DRAWING NO.
4

SHEET 4 OF 6





IMAGINARY SURFACES

GRAPHIC SCALE

1000 0 500 1000 2000

(IN FEET)
1 inch = 1000ft.

ENGINEER'S SEAL

Edwards AND Kelcey
1 Sundial Avenue, Suite 410
Manchester, NH 03103
(603) 666-7781
FAX (603) 666-7785

SCALE:	1" = 1,000'
DATE:	MAY 2002
DESIGNED BY:	HHM
DRAWN BY:	HHM
CHECKED BY:	JEP
APPROVED:	SVB

MAINE DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION, AUGUSTA, MAINE

NEWTON FIELD AIRPORT AMPU

AIRPORT IMAGINARY SURFCES

REVISIONS

REV. NO.	DATE	DESCRIPTION	BY
△			

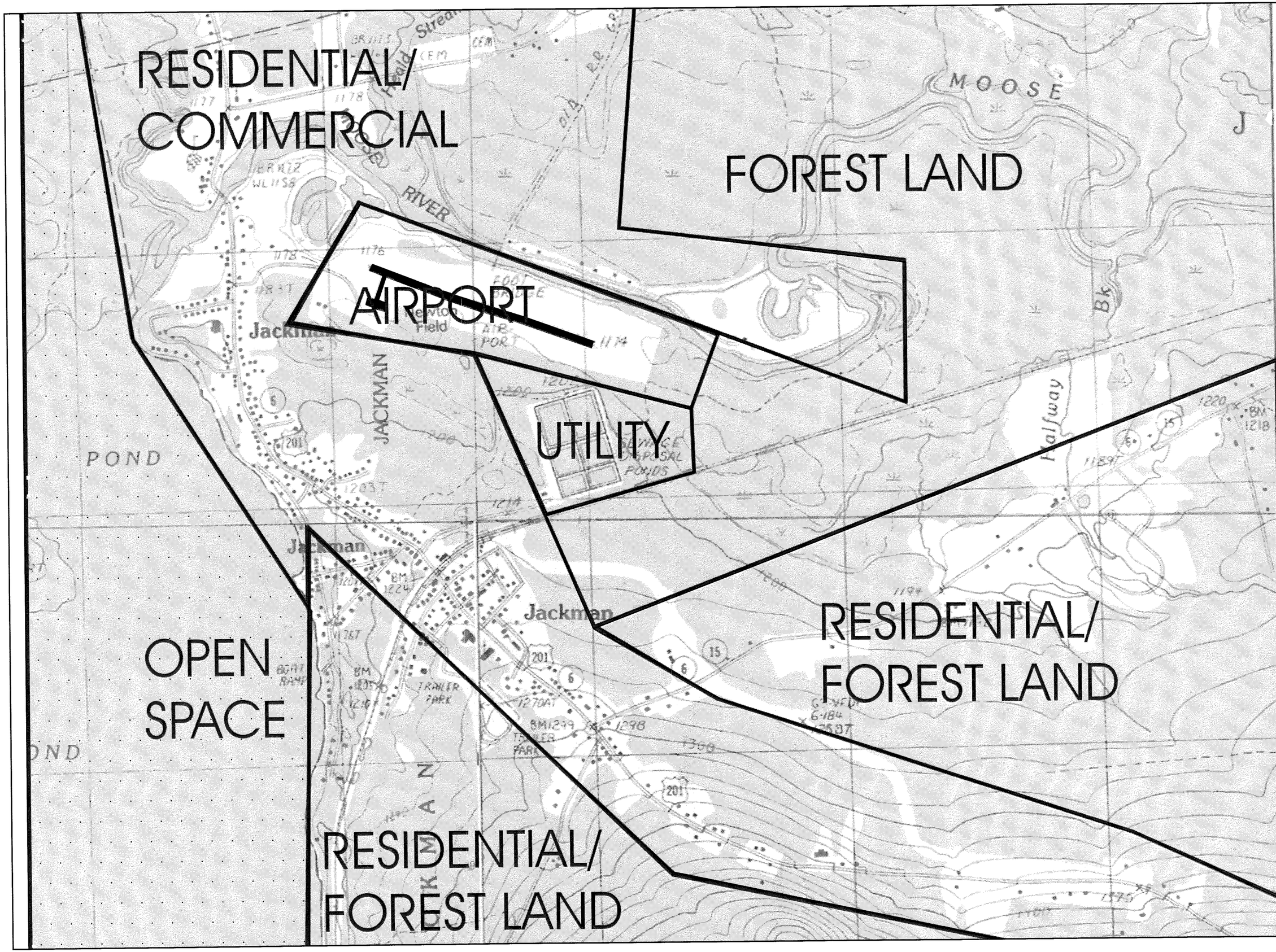
PROJ. NO.: 010018019
FILE NAME: NEWTON AMPU
AIP NO.: 3-23-2300-01

DRAWING NO.

5

SHEET 5 OF 6

REV △



ENGINEER'S SEAL

Edwards AND Kelcey
1 Sundial Avenue, Suite 410
Manchester, NH 03103
(603) 666-7700
FAX (603) 666-7785

SCALE: 1" = 500'
DATE: MAY 2002
DESIGNED BY: HHM
DRAWN BY: HHM
CHECKED BY: JEP
APPROVED: SVB

MAINE DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION, AUGUSTA, MAINE

NEWTON FIELD AIRPORT AMPU

LAND USE PLAN

REVISIONS			
REV. NO.	DATE	DESCRIPTION	BY

PROJ. NO.: 010018019
FILE NAME: NEWTON AMPU
AIP NO.: 3-23-2300-01

DRAWING NO.
6

SHEET 6 OF 6
REV