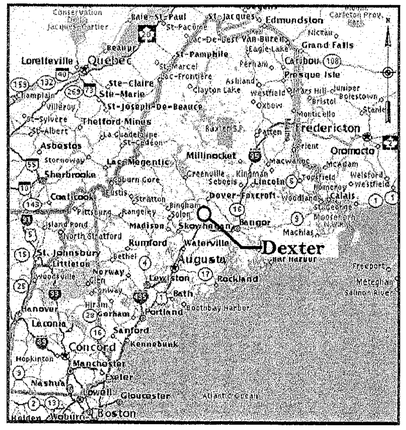
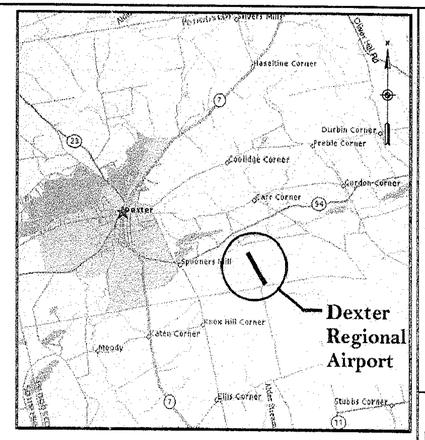
DEXTER REGIONAL AIRPORT
DEXTER, MAINE

MASTER PLAN UPDATE



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

MAINE DEPARTMENT OF TRANSPORTATION
STATE PROJECT NO. SAIP11.9047(1)
DEXTER PROJECT NO. 008792.00

INDEX TO DRAWINGS

1. COVER/TITLE SHEET
2. ALP (EXISTING FACILITIES)
3. ALP (ULTIMATE FACILITIES)
4. ALP DATA SHEET
5. TERMINAL AREA PLAN
6. RUNWAY 16-34 PLAN AND PROFILE
7. FAR PART 77 AIRSPACE SURFACES
8. LAND USE PLAN/NOISE CONTOURS
9. AIRPORT PROPERTY MAP - EXHIBIT "A"

SEPTEMBER, 2002

REVISIONS

REV. NO.	DATE	BY	DESCRIPTION
1			

STATE PROJECT NO. SAIP11.9047(1)

DEXTER PROJECT NO. 008792.00

PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.
HTA Consulting Engineers
150 DOW STREET – MANCHESTER, NH 03101 – 1227
Tel: (603) 669-5555 Fax: (603) 669-4168 WEB PAGE: www.hta-nh.com

DATE: SEPTEMBER, 2002 | DES. BY KRS | DR. BY TDB | CHKD. BY JRL

SCALE: AS SHOWN

DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

COVER/TITLE SHEET

HTA PROJ. No.: 302901.04

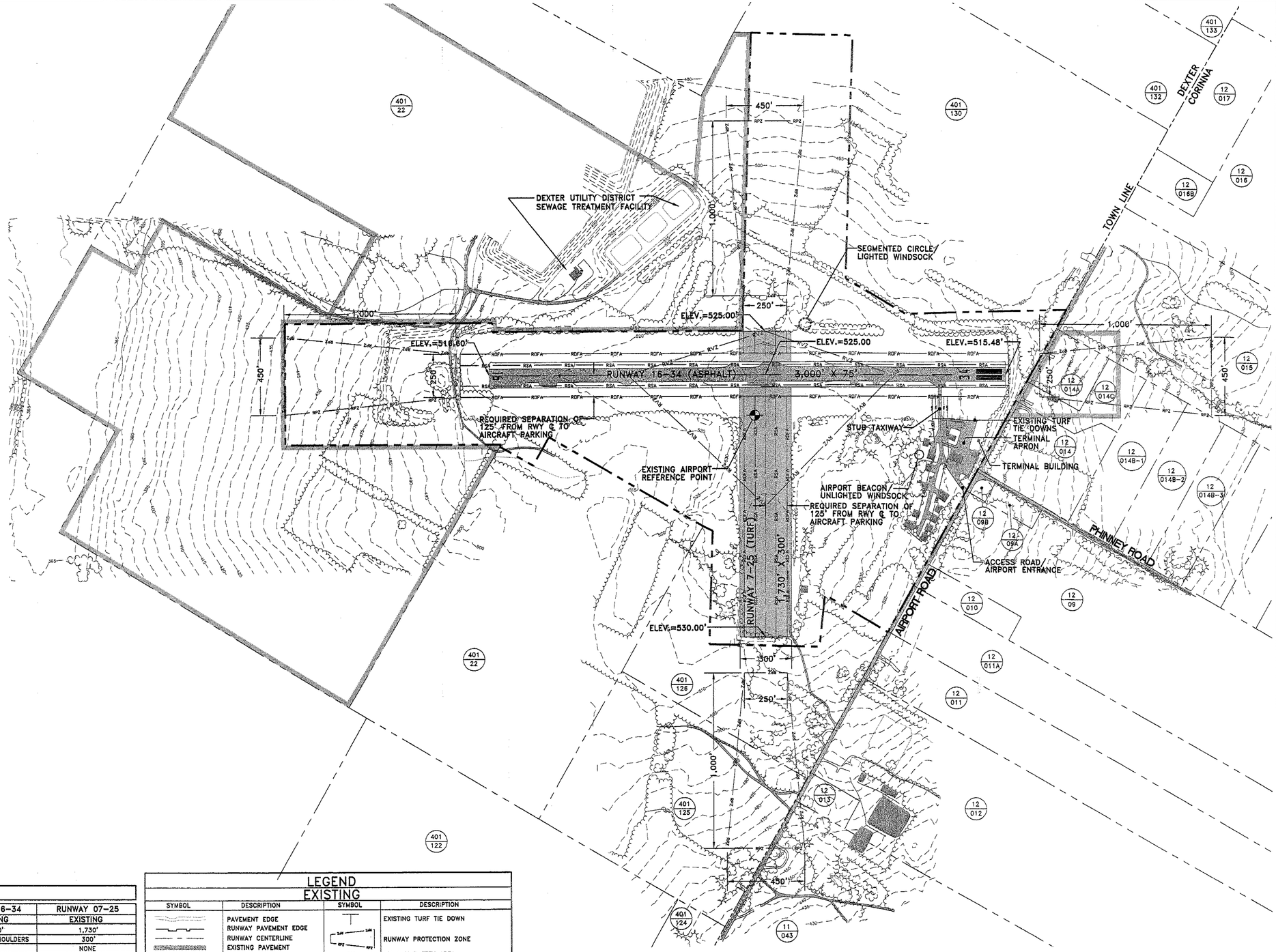
dexcover.dwg

DRAWING NO. 1

SHEET 1 OF 9 REV 1

N. DECLINATION
18° W
(YR. 2000)

GRAPHIC SCALE
300 0 300
1"=300'



AIRPORT DATA

ITEM	EXISTING
AIRPORT ELEVATION (U.S.G.S.-M.S.L.)	533'
AIRPORT REFERENCE POINT (ARP) /1	45°00'30.220"N, 69°14'23.162"W
MEAN MAX. TEMP HOTTEST MONTH	78.1°F
NAVAIDS	GPS
DISTANCE FROM THE TOWN OF DEXTER	3-MILES SE OF DEXTER
LAND OWNED (ACRES)	129.28
TOTAL AVIGATION EASEMENT (ACRES)	187.43
OWNER	TOWN OF DEXTER
MAG. DECLINATION	18°W
CRITICAL AIRCRAFT (WING SPAN)	C-185, (36')
CRITICAL AIRCRAFT (APPROACH SPEED)	C-185, (70 KTS.)
CRITICAL AIRCRAFT (MTOW)	C-185, (3,200 LBS.)
AIRPLANE DESIGN GROUP	I
AIRCRAFT APPROACH CATEGORY	A
AIRCRAFT SIZE	SMALL AIRCRAFT EXCLUSIVELY

RUNWAY DATA

ITEM	RUNWAY 16-34	RUNWAY 07-25
	EXISTING	EXISTING
PHYSICAL LENGTH	3,000'	1,730'
WIDTH	75' W/35' SHOULDERS	300'
STUB TAXIWAY WIDTH	20'	NONE
PVMT. STRENGTH	30,000 LBS. SINGLE WHEEL	12,500 LBS. SINGLE WHEEL
SURFACE MATERIAL	ASPHALT	TURF
APPROACH TYPE	RUNWAY 16: VISUAL RUNWAY 34: NON-PRECISION	RUNWAY 07: VISUAL RUNWAY 25: VISUAL
VISIBILITY MINIMUMS	RUNWAY 16: 3 MILES RUNWAY 34: 1 MILE	RUNWAY 07: 3 MILES RUNWAY 25: 3 MILES
CLASSIFICATION	UTILITY	UTILITY
RUNWAY LIGHTING	LIRL	NONE
RUNWAY MARKING	RUNWAY 16: VISUAL/BASIC RUNWAY 34: NON-PRECISION	NONE
EFFECTIVE GRADIENT (%)	.00317%	.0029%
TAXIWAY LIGHTING	NONE	NONE
APPROACH AIDS	AIRPORT BEACON WITH UNLIGHTED WINDSOCK AND SEGMENTED CIRCLE WITH LIGHTED WINDSOCK	
DESIGNATED INSTRUMENT RUNWAY	34	NONE

NOTE: SEE SHEET 4 (ALP DATA SHEET) OF MASTER PLAN SET FOR WIND DATA AND AIRPORT DESIGN CRITERIA.

LEGEND
EXISTING

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PAVEMENT EDGE		EXISTING TURF TIE DOWN
	RUNWAY PAVEMENT EDGE		RUNWAY PROTECTION ZONE
	RUNWAY CENTERLINE		
	EXISTING PAVEMENT	RSA	RUNWAY SAFETY AREA
	EXISTING TREE LINE	ROFA	RUNWAY OBJECT FREE AREA
523	EXISTING CONTOUR (TYP)	TSA	TAXIWAY SAFETY AREA
	EXISTING BUILDING	TOFA	TAXIWAY OBJECT FREE AREA TAXILANE ℄ TO FIXED OBJECTS (39.5')
	AIRPORT PROPERTY LINE	RVZ	RUNWAY VISIBILITY ZONE
	ABUTTING PROPERTY LINES		
(SEE CALLOUT)	SEGMENTED CIRCLE/ LIGHTED WINDSOCK	12 / 018A	TOWN OF CORINNA MAP & LOT# (SEE SHEET 4 OF MASTER PLAN SET FOR PROPERTY OWNERSHIP).
(SEE CALLOUT)	AIRPORT BEACON/ UNLIGHTED WINDSOCK	401 / 133	TOWN OF DEXTER MAP & LOT# (SEE SHEET 4 OF MASTER PLAN SET FOR PROPERTY OWNERSHIP).
	UTILITY DISTRICT POND		
	EXISTING AVIGATION EASEMENT AREA		RUNWAY 07/25 TURF RUNWAY

REVISIONS

REV. NO.	DATE	BY	DESCRIPTION
1			

STATE PROJECT NO. SAIP11.9047(1)
DEXTER PROJECT NO. 008792.00

HTA Consulting Engineers
CHKD. BY JRL
DR. BY TDB
DES. BY KRS
DATE: SEPTEMBER, 2002
SCALE: AS SHOWN

PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.
150 DOW STREET - MANCHESTER, NH 03101 - 1227
Tel: (603) 669-5555 Fax: (603) 669-4168 WEB PAGE: www.hta-nh.com

DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

AIRPORT LAYOUT PLAN (EXISTING FACILITIES)

HTA PROJ. No.: 302901.04
dexalp.dwg

DRAWING NO.
2

SHEET 2 OF 9
REV

AIRPORT DEVELOPMENT

1. REMOVE OBJECTS PENETRATING THE IMAGINARY SURFACES, THE RUNWAY VISIBILITY ZONE, RSA, OFA AND OFZS'.
2. HANGAR OBSTRUCTION ON TERMINAL AREA APRON. (SEE SHEET 7 OF MASTER PLAN SET FOR FAR PART 77 SURFACES).
3. OBTAIN PROPERTY EASEMENTS.
4. IMPROVE RSA, OFZ AND OFA: RUNWAY 16–34. BY SHIFTING RUNWAY 220' TO THE NW. FILL & GRADE THE 16 END.
5. DECOMMISSION RUNWAY 07–25.
6. INSTALL RUNUP/HOLDING AREA.
7. PAINT HOLDING POSITION MARKINGS AND INSTALL SIGNS.
8. REMOVE 35' SHOULDERS: RUNWAY 16–34.
9. REMOVE AND REPLACE EXISTING STUB TAXIWAY. (MOVE TO NEW RUNWAY 34 END)
10. IMPROVE RUNWAY EDGE LIGHTS/INSTALL MIRL ON RUNWAY 16–34.
11. INSTALL REILS AND PAPIS' ON RUNWAY 34.
12. ULTIMATE DEVELOPMENT FOR AIRPORT EQUIPMENT STORAGE FACILITY/SNOW REMOVAL EQUIPMENT BUILDING.
13. UPGRADE TERMINAL FACILITY/NEW APRON AREA/ AUTO PARKING AREA.
14. IMPROVE AIRPORT DIRECTIONAL SIGNAGE.
15. RELOCATE TRANSIENT TURF TIE–DOWNS AND PAVE.
16. ULTIMATE DEVELOPMENT FOR 5 CONVENTIONAL HANGARS/APRON/TAXILANE AREA.
17. ULTIMATE DEVELOPMENT OF A FUEL FACILITY.
18. INSTALL AIRPORT FENCING, PHASE I, II, & III
19. REHABILITATE/GROOVE RUNWAY PAVEMENT: 16–34
20. UPGRADE RUNWAY PAVEMENT MARKINGS 16–34.
21. ULTIMATE INDUSTRIAL PARK SITE.
22. NEW ACCESS ROAD
23. INSTALL AUTOMATED WEATHER OBSERVING SYSTEM
24. INSTALL LINE OF SIGHT SIGNAGE.
25. CONSTRUCT PARALLEL TAXIWAY W/ACCESS TAXIWAYS FOR RUNWAY 16–34. ADD ALL APPROPRIATE MARKINGS AND SIGNS.
26. RESERVED FOR FUTURE AIRPORT DEVELOPMENT.
27. IMPROVE EXISTING APRON TO MATCH WITH NEW STUB TAXIWAY LOCATION & RUNUP/HOLDING AREA.

N. DECLINATION 18° W (YR. 2000)

GRAPHIC SCALE
300 0 300
1"=300'

ULTIMATE LOCATION OF AIRPORT REFERENCE POINT

DEXTER UTILITY DISTRICT SEWAGE TREATMENT FACILITY

18 PHASE III

18 PHASE II

18 PHASE I

SEGMENTED CIRCLE/ LIGHTED WINDSOCK
ULTIMATE R/W 34 ELEVATION=519.30

EXISTING ELEV.=515.48

EXISTING ELEV.=525.00'

EXISTING ELEV.=516.60'

EXISTING & ULTIMATE RUNWAY 16–34
5,000' X 75'

EXISTING ELEV.=525.00

ULTIMATE R/W 16 ELEVATION=513.71

240' RSA

120' ROFA

450'

250'

1,000'

EXISTING AIRPORT REFERENCE POINT

CLOSED R/W 7–25

REQUIRED SEPARATION OF 44.5' FROM TWY ℄ TO AIRCRAFT PARKING

REQUIRED SEPARATION OF 150' FROM RWY ℄ TO TAXIWAY ℄

REQUIRED SEPARATION OF 125' FROM RWY ℄ TO AIRCRAFT PARKING

EXISTING ELEV.=530.00

ACCESS ROAD

AIRPORT ROAD

TOWN LINE

DEXTER

CORINNA

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PAVEMENT EDGE		EXISTING RUNWAY PROTECTION ZONE
	EXISTING RUNWAY CENTERLINE		
	ULTIMATE RUNWAY CENTERLINE		ULTIMATE RUNWAY PROTECTION ZONE
	TREE LINE	RSA	RUNWAY SAFETY AREA
522	EXISTING CONTOUR (TYP)	ROFA	RUNWAY OBJECT FREE AREA
	AIRPORT PROPERTY LINE	TSA	TAXIWAY SAFETY AREA
	ABUTTING PROPERTY LINE	TOFA	TAXIWAY OBJECT FREE AREA
X X	SECURITY FENCING		TAXILANE ℄ TO FIXED OBJECTS (39.5')
	PROPOSED PAVEMENT SURFACES	RVZ	EXISTING RUNWAY VISIBILITY ZONE
	PROPOSED OBSTRUCTION REMOVAL		AREA OF INDUSTRIAL PARK SITE DEVELOPMENT
	EXISTING STRUCTURE		
	PROPOSED STRUCTURE		RESERVED FOR FUTURE AIRPORT DEVELOPMENT
	EXISTING AVIGATION EASEMENT AREA		
	PROPERTIES W/EASEMENTS REQ'D		PROPOSED OBSTRUCTION LIGHTING
	EXISTING TRANSIENT TURF TIEDOWNS	12 018A	TOWN OF CORINNA MAP & LOT# (SEE SHEET 4 OF MASTER PLAN SET FOR PROPERTY OWNERSHIP).
	ULTIMATE TRANSIENT PAVED TIEDOWNS	401 133	TOWN OF DEXTER MAP & LOT# (SEE SHEET 4 OF MASTER PLAN SET FOR PROPERTY OWNERSHIP).

RUNWAY DATA

ITEM	RUNWAY 16–34 EXISTING	RUNWAY 16–34 ULTIMATE	RUNWAY 07–25 EXISTING	RUNWAY 07–25 ULTIMATE
PHYSICAL LENGTH	3,000'	3,000'	1,730'	CLOSED
WIDTH	75'	SAME	300'	
STUB TAXIWAY WIDTH	20'	25'	NONE	
PARALLEL TAXIWAY	NONE	3,000' X 25'	NONE	
PVMT. STRENGTH	30,000 LBS. SINGLE WHEEL	SAME	12,500 LBS. SINGLE WHEEL	
SURFACE MATERIAL	ASPHALT	SAME	TURF	
APPROACH TYPE	RUNWAY 16: VISUAL RUNWAY 34: NON–PRECISION	SAME	RUNWAY 07: VISUAL RUNWAY 25: VISUAL	
APPROACH MINIMUMS (VISIBILTY/CEILING)	RUNWAY 16: 3 MILES/1,000' AGL* RUNWAY 34: 1 MILE/480' AGL*	SAME	RUNWAY 07: 3 MILES RUNWAY 25: 3 MILES	
CLASSIFICATION	UTILITY	SAME	UTILITY	
RUNWAY LIGHTING	LIRL	MIRL	NONE	
RUNWAY MARKING	RUNWAY 16: VISUAL/BASIC RUNWAY 34: NON–PRECISION	SAME	NONE	
EFFECTIVE GRADIENT (%)	.00317%	.0037%	.0029%	
TAXIWAY LIGHTING	NONE	MITL	NONE	
APPROACH AIDS	AIRPORT BEACON W/ UNLIGHTED WINDSOCK AND SEGMENTED CIRCLE WITH LIGHTED WINDSOCK	REIL/PAPI FOR RUNWAY 34 (IN ADDITION TO EXISTING)	AIRPORT BEACON W/ UNLIGHTED WINDSOCK AND SEGMENTED CIRCLE WITH LIGHTED WINDSOCK	
DESIGNATED INSTRUMENT RUNWAY	34	SAME	NONE	

NOTES: 1. SEE SHEET 4 (ALP DATA SHEET) OF MASTER PLAN SET FOR WIND DATA AND AIRPORT DESIGN CRITERIA.
*=AGL = ABOVE GROUND LEVEL

AIRPORT DATA

ITEM	EXISTING	ULTIMATE
AIRPORT ELEVATION (U.S.G.S.–M.S.L.)	533'	525'
AIRPORT REFERENCE POINT (ARP)/1	45°00'30.220"N, 69°14'23.162"W	SAME
MEAN MAX. TEMP HOTTEST MONTH	78.1°F	SAME
NAVAIDS	GPS	SAME
DISTANCE FROM THE TOWN OF DEXTER	3–MILES SE OF DEXTER	SAME
LAND OWNED (ACRES)	129.28	SAME
TOTAL AVIGATION EASEMENT (ACRES)	187.43	190.86 ACRES (SEE AMP REPORT)
OWNER	TOWN OF DEXTER	SAME
MAG. DECLINATION	18°W	SAME
CRITICAL AIRCRAFT (WING SPAN)	C–185, (36')	SAME
CRITICAL AIRCRAFT APPROACH SPEED	C–185, 70 KTS.	SAME
CRITICAL AIRCRAFT MTOW	C–185, 3,200 LBS.	SAME
AIRPLANE DESIGN GROUP	I	SAME
AIRCRAFT APPROACH CATEGORY	A	SAME
AIRCRAFT SIZE	SMALL AIRCRAFT EXCLUSIVELY	SAME

FEDERAL AVIATION ADMINISTRATION NEW ENGLAND REGION AIRPORTS DIVISION	MAINE DEPARTMENT OF TRANSPORTATION OFFICE OF PASSENGER TRANSPORTATION	TOWN OF DEXTER
APPROVED: R. Doucette	APPROVED:	APPROVED: Robert F. Simpson
DATE: 5/10/07	DATE: 11-19-02	DATE: 11-8-02

NON CONFORMING CONDITIONS

DESCRIPTION	EXISTING/ PLANNED	STANDARD	REMARKS	DATE APPROVED

REVISIONS

REV. NO.	DATE	BY	DESCRIPTION
1			

STATE PROJECT NO. SAIP11.9047(1)
DEXTER PROJECT NO. 008792.00

PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.
150 DOW STREET – MANCHESTER, NH 03101– 1227
Tel: (603) 669–5555 Fax: (603) 669–4168 WEB PAGE: www.hta–nh.com

DATE:	DES. BY	DR. BY	CHKD. BY
SEPTEMBER, 2002	KRS	TDB	JRL

SCALE: AS SHOWN

DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

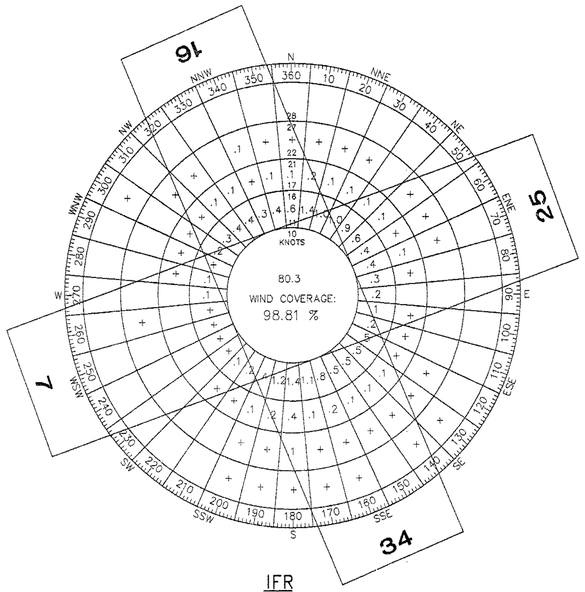
AIRPORT LAYOUT PLAN (ULTIMATE FACILITIES)

HTA PROJ. No.: 302901.04
dexultimate.dwg

DRAWING NO. 3

SHEET 3 OF 9 REV 1

IFR WIND ROSE



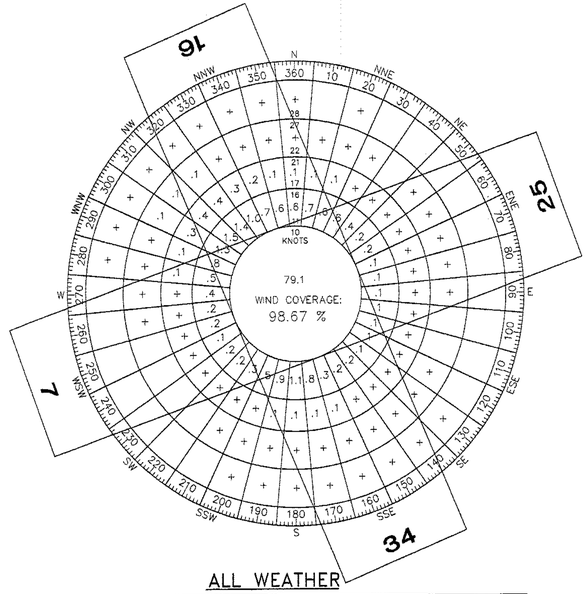
IFR

WIND DATA SUMMARY

CROSSWIND COMPONENT (KNOTS)	R/W 16–34	R/W 7–25	R/W 16–34 & 7–25
10.5	94.80%	87.39%	98.81%

STATION: BANGOR, ME #72608
SOURCE: NATIONAL CLIMATIC DATA CENTER/NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
PERIOD OF OBSERVATION: 1991–2000
OBSERVATIONS: 10,506

ALL WEATHER WIND ROSE



ALL WEATHER

WIND DATA SUMMARY

CROSSWIND COMPONENT (KNOTS)	R/W 16–34	R/W 7–25	R/W 16–34 & 7–25
10.5	95.11%	86.22%	98.67%

STATION: BANGOR, ME #72608
SOURCE: NATIONAL CLIMATIC DATA CENTER/NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
PERIOD OF OBSERVATION: 1991–2000
OBSERVATIONS: 82,118

AIRPORT DESIGN CRITERIA: A–I

DESIGN ELEMENT	REQUIRED A–I DESIGN CRITERIA (IN FEET)	RUNWAY 16–34 EXISTING	RUNWAY 16–34 FUTURE	RUNWAY 07–25 EXISTING	RUNWAY 07–25 FUTURE
RUNWAY PROTECTION ZONE: (RPZ) VISUAL AND APPROACH VISIBILITY MINIMUMS NOT LOWER THAN 1–MILE FOR SMALL AIRCRAFT EXCLUSIVELY					
LENGTH	1,000'	1,000'	SAME	1,000'	
INNER WIDTH	250'	250'	SAME	250'	
OUTER WIDTH	450'	450'	SAME	450'	
RUNWAY:					
LENGTH	*	3,000'	SAME	1,730'	
WIDTH	60'	75'	SAME	300'	
RUNWAY SAFETY AREA: (RSA)					
LENGTH BEYOND RUNWAY END	240'	RUNWAY 16–175' RUNWAY 34–20'	240'	RUNWAY 07–0' RUNWAY 25–0'	
WIDTH	120'	120'	SAME	120'	
RUNWAY OBSTACLE FREE ZONE: (OFZ)					
LENGTH BEYOND RUNWAY END	200'	RUNWAY 16–175' RUNWAY 34–20'	200'	RUNWAY 07–0' RUNWAY 25–0'	
WIDTH	250'	250'	SAME	250'	
RUNWAY OBJECT FREE AREA: (OFA)					
LENGTH BEYOND RUNWAY END	240'	RUNWAY 16–175' RUNWAY 34–20'	240	RUNWAY 07–0' RUNWAY 25–0'	
WIDTH	250'	250'	SAME	250'	
TAXIWAY/TAXILANE:				**	
WIDTH	25'	20'	25'	NONE	
TAXIWAY SAFETY AREA (TSA) WIDTH	49'	49'	SAME	NONE	
TAXIWAY OBJECT FREE AREA (OFA) WIDTH	89'	89'	SAME	NONE	
TAXILANE OBJECT FREE AREA WIDTH	79'	70'	SAME: SEE AMPU REPORT	NONE	
RUNWAY SEPARATION STANDARDS: FOR AIRCRAFT APPROACH CATEGORIES A & B FOR VISUAL RUNWAYS AND RUNWAYS WITH NOT LOWER THAN 3/4–STATUTE MILE APPROACH VISIBILTY MINIMUMS					
RUNWAY CENTERLINE TO TAXIWAY/TAXILANE CENTERLINE	150'	N/A	150'	N/A	
RUNWAY CENTERLINE TO AIRCRAFT PARKING AREA	125'	230'	125'	N/A	
TAXIWAY/TAXILANE SEPARATION STANDARDS:					
TAXIWAY CENTERLINE TO PARALLEL TAXIWAY/TAXILANE CENTERLINE	69'	N/A	N/A	N/A	
TAXIWAY CENTERLINE TO A FIXED OR MOVEABLE OBJECT	44.5'	44.5'	SAME	N/A	
TAXILANE CENTERLINE TO PARALLEL TAXILANE CENTERLINE	64'	N/A	N/A	N/A	
TAXILANE CENTERLINE TO A FIXED OR MOVEABLE OBJECT	39.5'	34'	SAME: SEE AMPU REPORT	N/A	

CLOSED

* SEE 2002 DEXTER REGIONAL AIRPORT MASTER PLAN UPDATE.
** THERE IS NO TAXIWAY TO RUNWAY 07–25.

PROPERTY OWNERSHIP DATA – TOWN OF DEXTER

OWNER	MAP NUMBER	LOT NUMBER	BK#	PG#
DEXTER UTILITY DISTRICT	401	22	3743	130
R. SHANK	401	122	4975	290
RATTIGAN	401	124	2427	170
D. GUDROE	401	125	3868	344
MANN	401	126	4492	320
TOWN OF DEXTER/DEXTER AIRPORT	401 401 401	127 128 129	1162 1165 1162	463 326 464
BARTUCCA ET. AL.	401	130	4448	32
NICHOLS	401	132	5614	243
BARTUCCA ET. AL.	401	133	4448	32

PROPERTY OWNERSHIP DATA – TOWN OF CORINNA

OWNER	MAP NUMBER	LOT NUMBER	BK#	PG#
TOWN OF CORINNA	12	09	2201	826
EARL, MILLARD, & KAREN MCKUSICK	12	09A	4214 6962	11 278
TOWN OF CORINNA – (OLD SCHOOL LOT)	12	09B	NONE	NONE
AGNES SIMMONS & DORIS LANCASTER	12	010	4935	107
RONALD & KAY GRAY	12	011	2425	280
DENNIS & KERRY COTE	12	011A	2425	282
JAMES & DAWN LAURENT	12	012	599	177
HELEN & EDWARD VANDENBURGH	12	013	2751	59
RICKY & LINDA POULIN	12	014	2682	259
DAYLAN & DEBORAH PARKS	12	014A	7410	021
CHARLES PACKARD	12	014B–1	3432	209
BERNARD & LORETTA KEEGAN	12	014B–2	5263	168
DALE & MILDRED BERRY	12	014B–3	4146	358
GLENN M. CHARLES	12	014C	7607	001
NINTH REALTY TRUST	12	015	4558	112
GARY D. & KATHY M. ROBINSON	12	016	5822	0077
WADE WOSTER	12	016B	4071	0090
KENNETH & HOLLY WOSTER	12	017	6753 3637	089 350
CARL COBB	11	43	6544 7117	196 128

PROPERTIES W/AVIGATION EASEMENTS

OWNER	TOWN	MAP NUMBER	LOT NUMBER	BK#	PG#	ACRES
DEXTER UTILITY DISTRICT	DEXTER	401	22	4306	102	155.44 ACRES
DORIS HATCH *	CORINNA	12	4	1961	201	31.99 ACRES

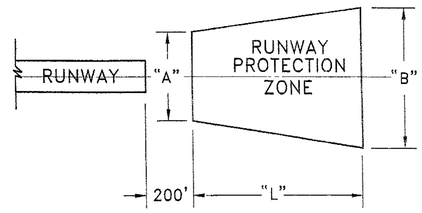
* ORIGINAL LAND OWNER AS OF JUNE 26, 1964 WHEN EASEMENT WAS SIGNED IN PERPETUITY.

APPROACH SLOPE DATA

	RUNWAY	CATEGORY	APPROACH SLOPE
FUTURE	16	VISUAL (3–MILE VISIBILTY MINIMUMS)	20:1
	34	NON–PRECISION (1–MILE VISIBILITY MINIMUMS)	20:1
EXISTING	16	VISUAL (3–MILE VISIBILITY MINIMUMS)	20:1
	34	NON–PRECISION (1–MILE VISIBILITY MINIMUMS)	20:1

RUNWAY PROTECTION ZONE DATA

	RUNWAY	CATEGORY	"L"	"A"	"B"
FUTURE	16	VISUAL	1000	250	450
	34	NON–PRECISION	1000	250	450
EXISTING	16	VISUAL	1000	250	450
	34	NON–PRECISION	1000	250	450



REVISIONS

REV. NO.	DATE	BY	DESCRIPTION

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DEXTER PROJECT NO. 008792.00

HTA Consulting Engineers

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DES. BY KRS | DR. BY TDB | CHKD. BY JRL
SCALE: AS SHOWN | DATE: SEPTEMBER, 2002

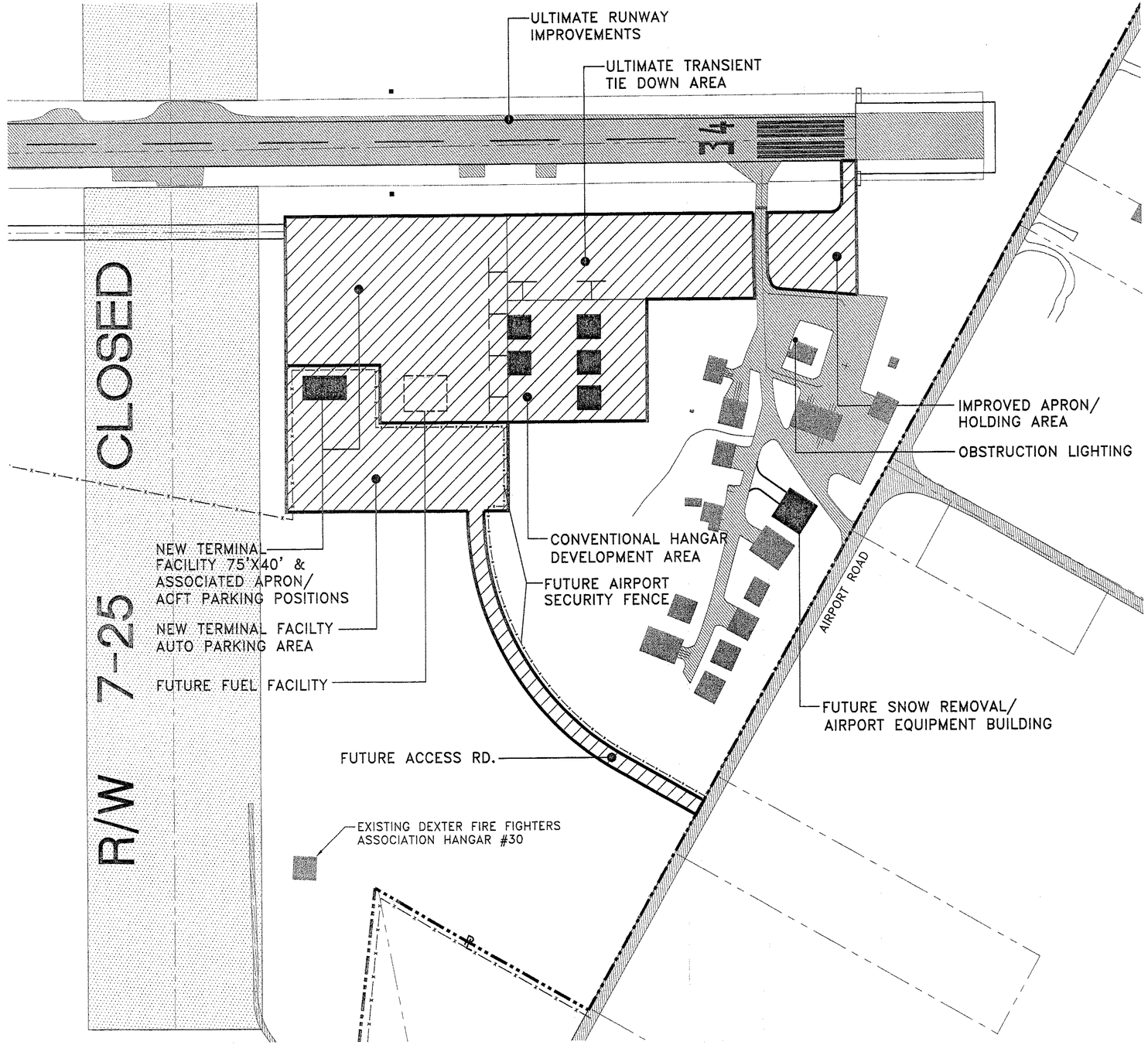
DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

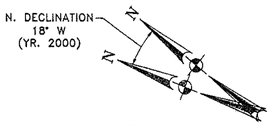
ALP DATA SHEET

HTA PROJ. No.: 302901.04
dexdata.dwg

DRAWING NO.
4

SHEET 4 OF 9 REV





LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PAVEMENT EDGE		FUTURE TERMINAL AREA DEVELOPMENT
	RUNWAY CENTERLINE		
	SECURITY FENCING		
	AIRPORT PROPERTY LINE		EXISTING PAVEMENT
	EXISTING BUILDING		
	PROPOSED STRUCTURE		EXISTING 7-25 TURF RUNWAY
	FUTURE TRANSIENT TIE DOWN		

REVISIONS

REV. NO.	DATE	BY	DESCRIPTION
1			

STATE PROJECT NO. SAIP11.9047(1)

DEXTER PROJECT NO. 008792.00

HTA Consulting Engineers

CHKD. BY JRL | DR. BY TDB | DES. BY KRS | DATE: SEPTEMBER, 2002

SCALE: AS SHOWN

PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.
150 DOW STREET – MANCHESTER, NH 03101 – 1227
Tel: (603) 669-5555 Fax: (603) 669-4168 WEB PAGE: www.hta-nh.com

DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

TERMINAL AREA PLAN

HTA PROJ. No.: 302901.04

dexterminal.dwg

DRAWING NO. 5

SHEET 5 OF 9

REV

N. DECLINATION 19° W (YR. 2000)

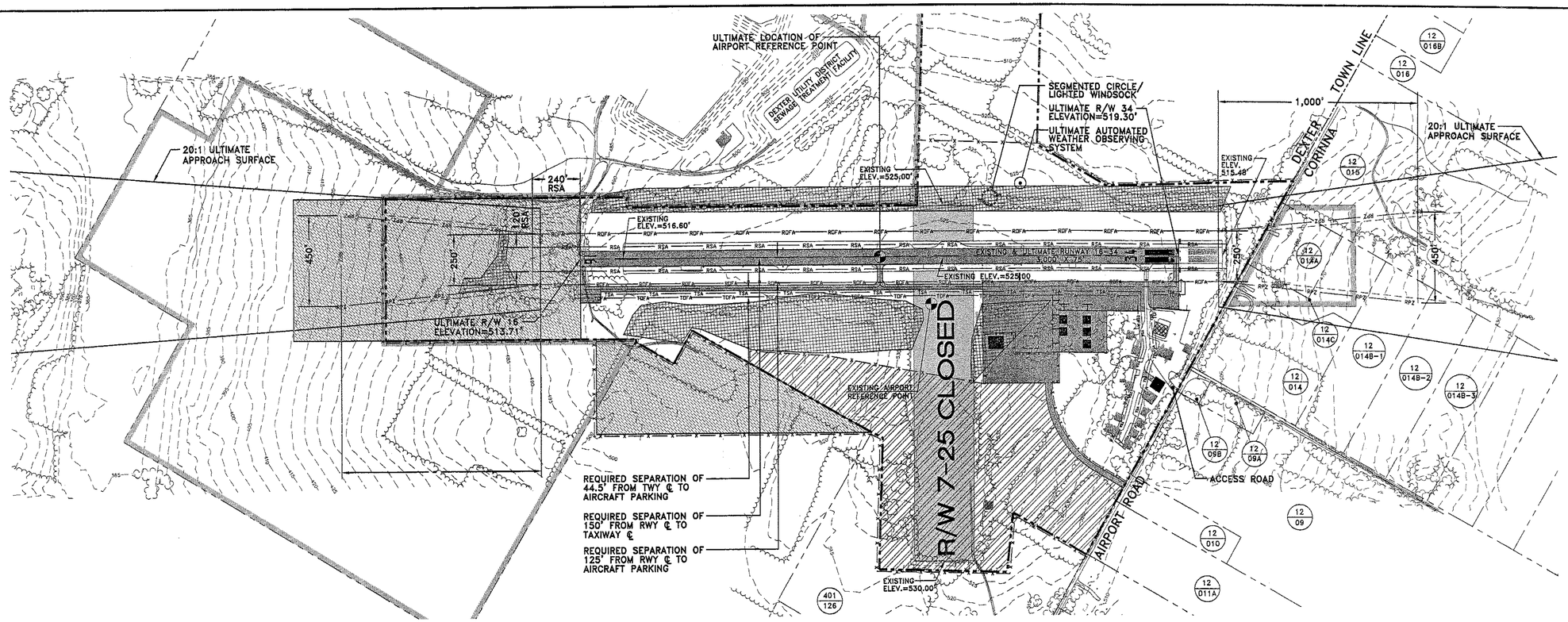
GRAPHIC SCALE

300 0 300

1"=300'

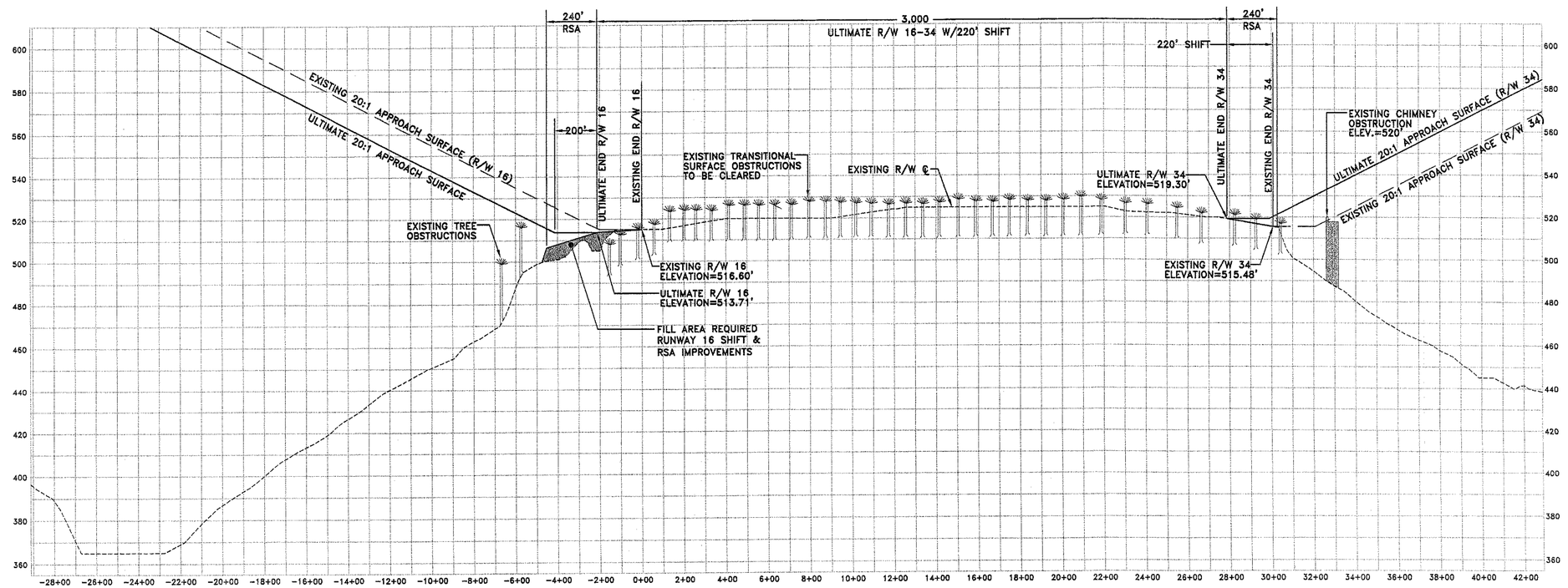
LEGEND

SYMBOL	DESCRIPTION
	PAVEMENT EDGE
	EXISTING RUNWAY CENTERLINE
	ULTIMATE RUNWAY CENTERLINE
	TREE LINE
522	EXISTING CONTOUR (TYP)
	AIRPORT PROPERTY LINE
	ABUTTING PROPERTY LINE
x x	SECURITY FENCING
	PROPOSED PAVEMENT SURFACES
	PROPOSED OBSTRUCTION REMOVAL
	EXISTING STRUCTURE
	PROPOSED STRUCTURE
	EXISTING AVIGATION EASEMENT AREA
	EXISTING TRANSIENT TURF TIEDOWNS
	ULTIMATE TRANSIENT PAVED TIEDOWNS
	EXISTING RUNWAY PROTECTION ZONE
34 16 RPZ RPZ	ULTIMATE RUNWAY PROTECTION ZONE
RSA	RUNWAY SAFETY AREA
ROFA	RUNWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
TOFA	TAXIWAY OBJECT FREE AREA TAXILANE ℄ TO FIXED OBJECTS (39.5')
	AREA OF INDUSTRIAL PARK SITE DEVELOPMENT
	RESERVED FOR FUTURE AIRPORT DEVELOPMENT



PLAN VIEW

SCALE: 1"=300'



PROFILE

SCALE: 1"=300' HORZ
1"=30' VERT.

REVISIONS

REV. NO.	DATE	BY	DESCRIPTION

STATE PROJECT NO. SAIP11.9047(1)

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DATE: SEPTEMBER, 2002

SCALE: AS SHOWN

DES. BY KRS | DR. BY TDB | CHK'D. BY JRL

DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

R/W 16-34
PLAN AND PROFILE

HTA PROJ. No.: 302901.04

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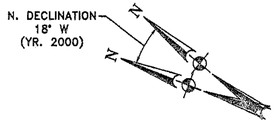
DRAWING NO.

6

SHEET 6 OF 9

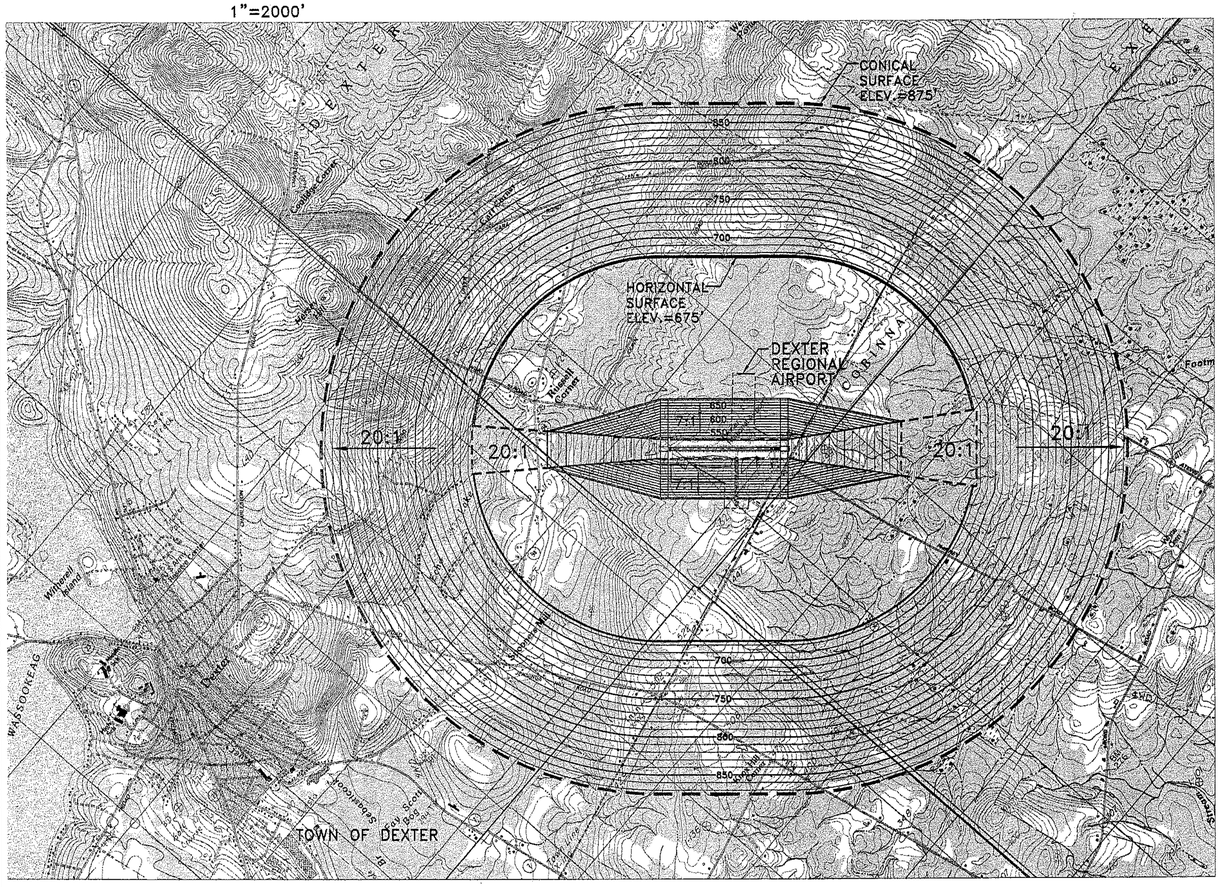
REV

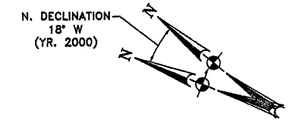


GRAPHIC SCALE

2000 0 2000

1"=2000'

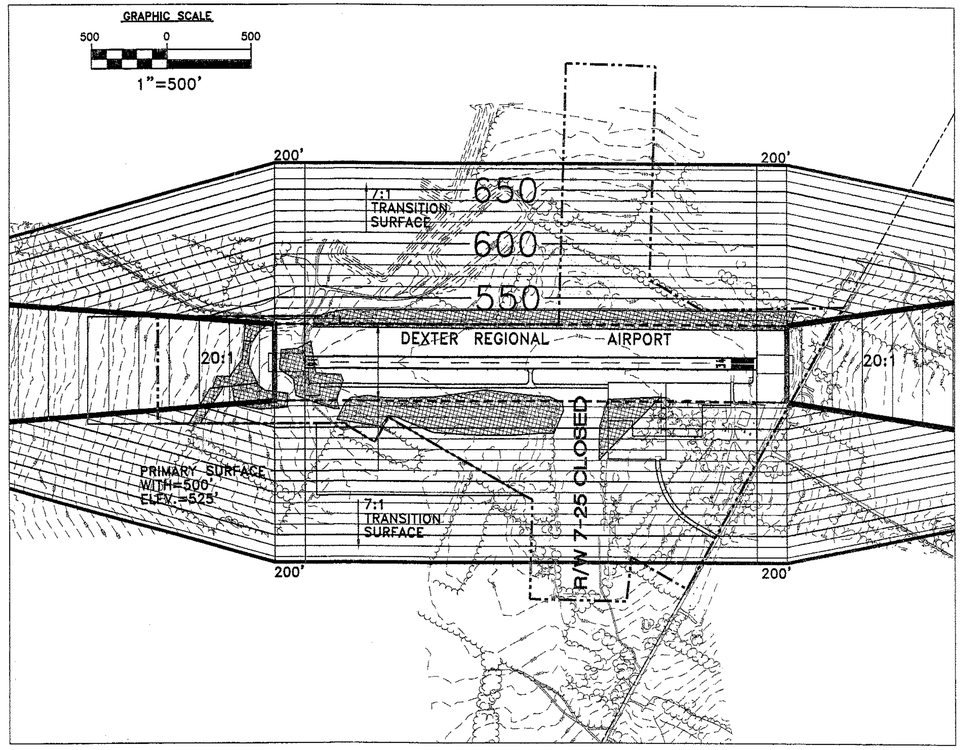




GRAPHIC SCALE

500 0 500

1"=500'



FAR PART 77 AIRSPACE SURFACES

AIRPORT IMAGINARY SURFACE	RUNWAY 16	RUNWAY 34
CLASSIFICATION	UTILITY	UTILITY
APPROACH	VISUAL	NON-PRECISION
VISIBILITY MINIMUMS	3 MILES	1 MILE
AIRPORT ELEVATION	525'	
HORIZONATAL SURFACE:		
HORIZONATAL SURFACE ELEVATION	675'	
HORIZONATAL SURFACE RADIUS	5,000'	5,000'
CONICAL SURFACE:		
HORIZONATAL DISTANCE	4,000'	4,000'
SLOPE	20:1	20:1
PRIMARY SURFACE:		
LENGTH BEYOND RUNWAY END	200'	200'
WIDTH	500'	500'
APPROACH SURFACE:		
INNER EDGE WIDTH	500'	500'
OUTER EDGE WIDTH	1,250'	2,000'
HORIZONTAL DISTANCE	5,000'	5,000'
SLOPE	20:1	20:1
TRANSITIONAL SURFACE:	7:1	7:1

NOTE:

THE WIDTH OF THE PRIMARY SURFACE OF A RUNWAY IS THE WIDTH PRESCRIBED FOR THE MOST PRECISE APPROACH FOR EITHER END OF THAT RUNWAY. THEREFORE, THE NON-PRECISION APPROACH TO RUNWAY 34 DETERMINES THE PRIMARY SURFACE WIDTH OF 500 FEET FOR RUNWAY 16 AS WELL.

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING ROADS		APPROACH SURFACE ABOVE HORIZONTAL SURFACE ELEVATION
	EXISTING DIRT/4WD ROAD		
	DEXTER REGIONAL AIRPORT PROPERTY LINE		APPROACH SURFACE
	CONICAL SURFACE		SURFACE OBSTRUCTIONS
	HORIZONTAL SURFACE		
700	SURFACE ELEVATION CONTOUR		PRIMARY SURFACE
	EXISTING TREE LINE		

REVISIONS

REV. NO.	DATE	BY	DESCRIPTION

STATE PROJECT NO. SAIP11.9047(1)

DEXTER PROJECT NO. 008792.00

PROJECT DESIGNER
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Consulting Engineers
150 DOW STREET - MANCHESTER, NH 03101 - 1227
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DATE: SEPTEMBER, 2002 | DES. BY KRS | DR. BY TDB | CHK'D. BY JRL

SCALE: AS SHOWN

DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

FAR PART 77
AIRSPACE SURFACES

HTA PROJ. No.: 302901.04

dexpart77.dwg

DRAWING NO. 7

SHEET 7 OF 9

REV

N. DECLINATION
18° W
(YR. 2000)

GRAPHIC SCALE

300 0 300

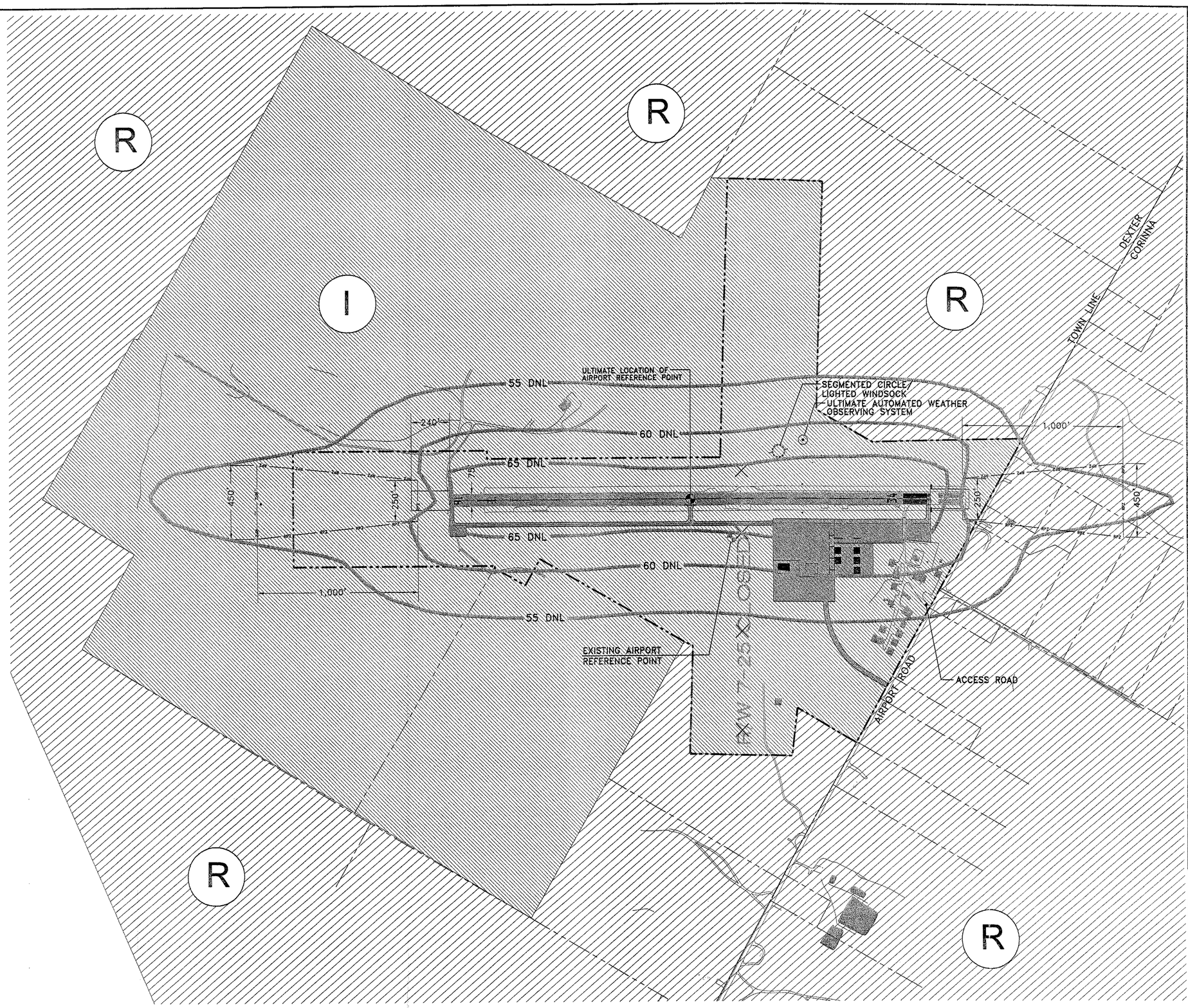
1"=300'

LEGEND

SYMBOL	DESCRIPTION
	PAVEMENT EDGE
	RUNWAY CENTERLINE
	EXISTING AIRPORT PROPERTY LINE
	AIRPORT ABUTTING LINE
	PROPOSED RUNWAY PROTECTION ZONE
	EXISTING BUILDING
	PROPOSED STRUCTURE
	55 DNL NOISE CONTOUR
	60 DNL NOISE CONTOUR
	65 DNL NOISE CONTOUR
	PROPOSED IMPROVEMENTS
I	ZONED FOR "INDUSTRIAL" *
R	ZONED FOR "RURAL" **

* BASED ON LAND USE ORDINANCE FOR THE TOWN OF DEXTER MAINE, ADOPTED NOVEMBER 2, 1999

** BASED ON LAND USE ORDINANCE FOR THE TOWN OF DEXTER MAINE, ADOPTED NOVEMBER 2, 1999, AND LAND USE ORDINANCE FOR THE TOWN OF CORINNA MAINE, ADOPTED APRIL, 2000.



REVISIONS

REV NO.	DATE	BY	DESCRIPTION
1			

STATE PROJECT NO. SAIP11.9047(1)

DEXTER PROJECT NO. 008792.00

HTA Consulting Engineers

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DES. BY KRS | DR. BY TDB | CHKD. BY JRL

SCALE: AS SHOWN

DATE: SEPTEMBER, 2002

DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

LAND USE PLAN/ NOISE CONTOURS

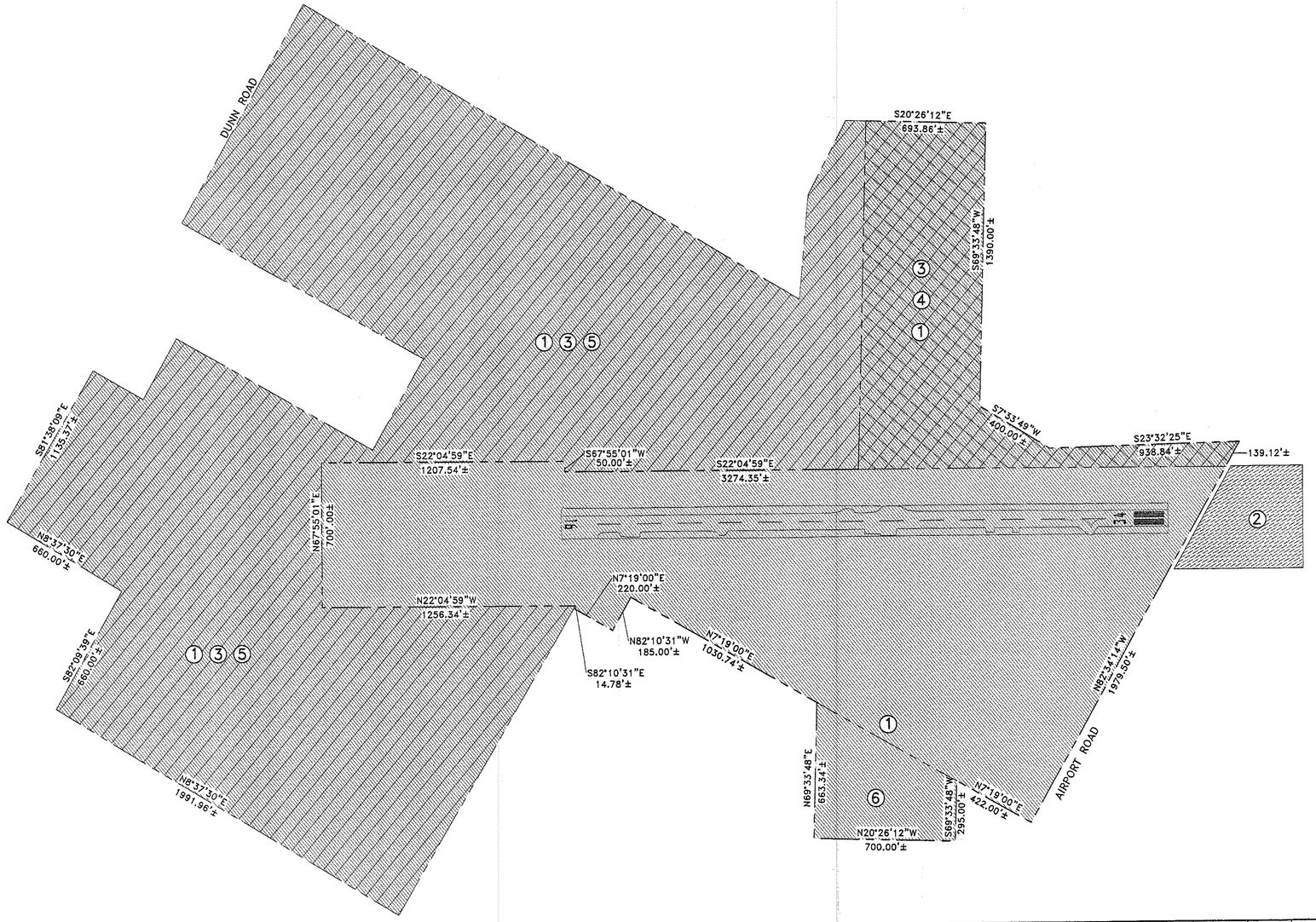
HTA PROJ. No.: 302901.04

dexultimate1A.dwg

DRAWING NO.
8

SHEET 8 OF 9

REV



N. DECLINATION
18° W
(YR. 2000)

GRAPHIC SCALE

300 0 300

1"=300'

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING AIRPORT PROPERTY LINE		PARCEL #2
	TRANSFERRED PARCELS OR EASEMENT PARCELS		PARCEL #3 & #5
(1)	PARCEL #		PARCEL #4
	PARCEL #1		

PARCEL	GRANTOR	GRANTEE	INTEREST	ACRES	BOOK & PAGE	DATE OF RECORDING	FAA PROJECT NUMBER	REMARKS	LAND RELEASE: FAA APPROVAL DATE
1 *	SARAH F. MARTIN	TOWN OF DEXTER	FEE	85	1165/326	JULY 31, 1941		ORIGINAL LAND TRANSFER	
	STANLEY S. MARTIN	TOWN OF DEXTER	FEE	100.15	1165/327	MAY 22, 1941		ORIGINAL LAND TRANSFER	
	CHARLES S. FROST	TOWN OF DEXTER	FEE	88	1165/320	MAY 22, 1941		ORIGINAL LAND TRANSFER	
	ALTON F. PUFFER	TOWN OF DEXTER	FEE	27.85	1162/464	MAY 23, 1941		ORIGINAL LAND TRANSFER	
	MAUDE E. LANCASTER	TOWN OF DEXTER	FEE	10	1162/463	MAY 10, 1941		ORIGINAL LAND TRANSFER	
2	DORIS HATCH	TOWN OF DEXTER	EASEMENT	5.71	1961/201	JULY 29, 1964	9-17-030-C501	APPROACH EASEMENT	
3	TOWN OF DEXTER	DEXTER UTILITY DISTRICT	FEE	208	3743/130	NOVEMBER 5, 1985		PROPERTY TRANSFER	
4	DEXTER UTILITY DISTRICT	TOWN OF DEXTER	FEE	26.28	4203/087	APRIL 1, 1988		PROPERTY TRANSFER	
5	DEXTER UTILITY DISTRICT	TOWN OF DEXTER	EASEMENT	181.72	4306/102	SEPTEMBER 12, 1988		AVIGATION AND HAZARD EASEMENT	
6	TOWN OF DEXTER	TOWN OF DEXTER	FEE	7.7	NONE	NONE		PROPERTY TRANSFER NOT RECORDED	

* ORIGINAL LAND TRANSFER ACCOUNTED FOR A TOTAL OF 311 ACRES. THE AIRPORT NOW HAS 129.28 ACRES.

NOTE:
BEARINGS AND DISTANCES, AND PROPERTY INFORMATION WAS PROVIDED BY THE TOWN OF DEXTER AND "PLAN SURVEY FOR THE DEXTER UTILITY DISTRICT". THIS PLAN WAS DONE BY WILLIAM E. WEBBER, RFED #1 BOX 120, CHARLESTON, MAINE. DATED APRIL 1985.

REVISIONS

REV. NO.	DATE	BY	DESCRIPTION
1			

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DATE: SEPTEMBER, 2002

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DEXTER REGIONAL AIRPORT
AIRPORT MASTER PLAN UPDATE

EXHIBIT "A"

HTA PROJ. No.: 302901.04

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DRAWING NO. 9

SHEET 9 OF 9 REV