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AIRPORT DATA

ITEM	EXISTING	ULTIMATE
AIRPORT ELEVATION (U.S.G.S.-M.S.L.)	577.0'	SAME
SERVICE LEVEL (NPIAS)	GENERAL AVIATION	SAME
OPERATIONAL ROLE (NPIAS)	GENERAL AVIATION	SAME
NPIAS NUMBER	50-0116	SAME
MEAN MAX. TEMP HOTTEST MONTH	79°/JULY	SAME
TERMINAL NAVAIDS	LOC, DME	SAME
COMBINED WIND COVERAGE (AWY)	97.86%	SAME
RUNWAY WIDTH MARKING/SPAVEMENT	40'	SAME
TAXIWAY LIGHTING	MEDIUM INTENSITY	SAME
OWNER	STATE OF VERMONT	SAME
MAGNETIC DECLINATION	15° W (1985)	SAME
AIRCRAFT DESIGN GROUP	II	II
AIRCRAFT APPROACH SPEED CLASS	B	B
AIRPORT REFERENCE POINT (ARP)	N43°-37'-37.4000" W72°-31'-0.2000"	SAME
AIRPORT ACREAGE	192	200

DECLARED DISTANCES

RUNWAY	RUNWAY LENGTH	TORA	TODA	ASDA	LDA
5	5,501'	5,483'	5,483'	5,301'	5,101'
23	5,501'	5,501'	5,501'	5,301'	5,101'
29	3,000'	3,000'	3,000'	2,929'	2,925'
11	3,000'	3,000'	3,000'	3,000'	3,000'

RUNWAY 11-29 DATA

	EXISTING	ULTIMATE
LENGTH	3,000'	SAME
WIDTH	75'	SAME
RSA WIDTH/LENGTH	120'/240'	SAME
ROFA WIDTH/LENGTH	250'/240'	SAME
RPZ INNER W/OUTER W/LENGTH	250/450/1,000'	SAME
PVMT. STRENGTH (x1,000 LBS)	SW-30	SAME
PAVEMENT TYPE	ASPHALT-F	SAME
SURFACE TREATMENT	NONE	NONE
RUNWAY LIGHTING	MIRL	SAME
RUNWAY MARKING	BASIC	SAME
EFFECTIVE GRADIENT (%)	0.31%	SAME
APPROACH AIDS	VISUAL	SAME
NAVIGATIONAL AIDS	VISUAL	SAME
FAR 77 CATEGORY	UTILITY	SAME
APPROACH SURFACE SLOPE	20:1	SAME
RUNWAY END ELEVATION	RW 11 - 575.9' RW 29 - 568.8'	SAME
TDZE	N/A	SAME
RUNWAY DESIGN CODE	B-I (SMALL)	SAME
RUNWAY 11 END COORDINATES	N43° 37' 30.3285" W72° 31' 3.4812.94"	SAME
RUNWAY 29 END COORDINATES	N43° 37' 25.7917" W72° 31' 5.4819.94"	SAME

RUNWAY 5-23 DATA

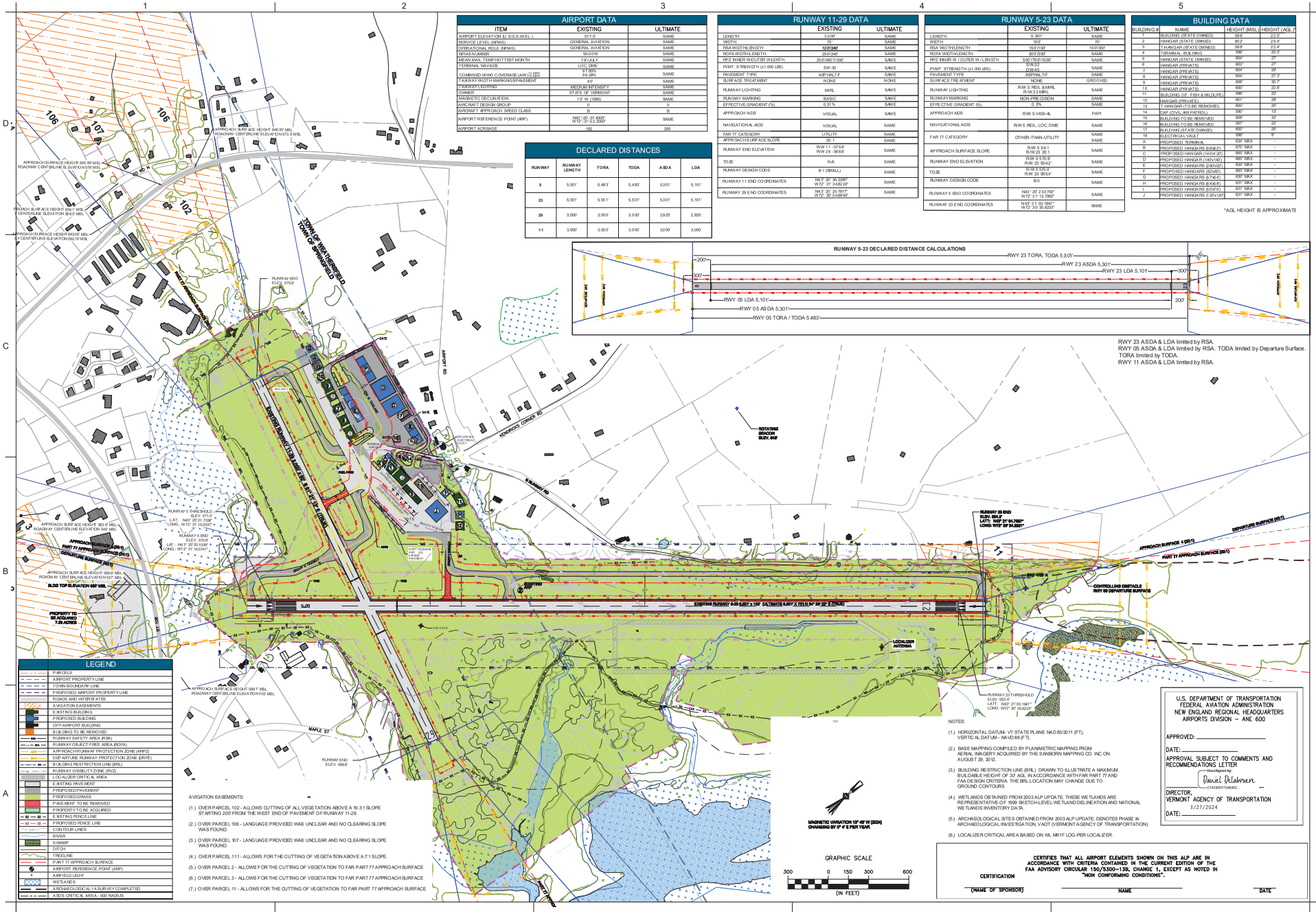
	EXISTING	ULTIMATE
LENGTH	5,501'	SAME
WIDTH	50.0'	75'
RSA WIDTH/LENGTH	150'/1,000'	150'/300'
ROFA WIDTH/LENGTH	500'/1,000'	SAME
RPZ INNER W./OUTER W./LENGTH	500'/1700'/1,000'	SAME
PVMT. STRENGTH (x1,000 LBS)	S-W32 D/A-45	SAME
PAVEMENT TYPE	ASPHALT-F	SAME
SURFACE TREATMENT	NONE	GROOVED
RUNWAY LIGHTING	RW 5 REIL & MIRL RW 23 MIRL	SAME
RUNWAY MARKING	NON-PRECISION	SAME
EFFECTIVE GRADIENT (%)	0.3%	SAME
APPROACH AIDS	RW 5 VASI-4L	PAPI
NAVIGATIONAL AIDS	RW 5 REIL, LOC, DME	SAME
FAR 77 CATEGORY	OTHER-THAN-UTILITY	SAME
APPROACH SURFACE SLOPE	RW 5 34:1 RW 23 20:1	SAME
RUNWAY END ELEVATION	RW 5 576.9' RW 23 559.42'	SAME
TDZE	RW 5 576.1' RW 23 559.4'	SAME
RUNWAY DESIGN CODE	B-II	SAME
RUNWAY 5 END COORDINATES	N43° 37' 23.0799" W72° 31' 13.7992"	SAME
RUNWAY 23 END COORDINATES	N43° 21' 03.1987" W72° 30' 35.6233"	SAME

BUILDING DATA

BUILDING #	NAME	HEIGHT (MSL)	HEIGHT (AGL)*
1	BUILDING (STATE OWNED)	599'	22.0'
2	HANGAR (STATE OWNED)	601'	21.4'
3	T-HANGAR (STATE OWNED)	599'	22.4'
4	TERMINAL BUILDING	599'	20.7'
5	HANGAR (STATE OWNED)	604'	27'
6	HANGAR (PRIVATE)	603'	27'
7	HANGAR (PRIVATE)	604'	28'
8	HANGAR (PRIVATE)	604'	27.3'
9	HANGAR (PRIVATE)	609'	30.7'
10	HANGAR (PRIVATE)	600'	22.8'
11	BUILDING (VT. FISH & WILDLIFE)	596'	22'
12	HANGAR (PRIVATE)	601'	26'
13	T-HANGAR (TO BE REMOVED)	600'	20'
14	CAP (CIVIL AIR PATROL)	590'	13'
15	BUILDING TO BE REMOVED	609'	32'
16	BUILDING TO BE REMOVED	597'	22'
17	BUILDING (STATE OWNED)	600'	20'
18	ELECTRICAL VAULT	590'	9'
A	PROPOSED TERMINAL	634' MKX	-
B	PROPOSED HANGAR B (6/6WZ)	676' MKX	-
C	PROPOSED HANGAR (14/7x12')	665' MKX	-
D	PROPOSED HANGAR (140'x140')	669' MKX	-
E	PROPOSED HANGAR B (280'x50')	634' MKX	-
F	PROPOSED HANGARS (62'x88')	683' MKX	-
G	PROPOSED HANGAR B (5.7'x6.4')	630' MKX	-
H	PROPOSED HANGAR B (6.6'x9')	631' MKX	-
I	PROPOSED HANGAR B (10'x12')	631' MKX	-
J	PROPOSED HANGAR B (130'x120')	631' MKX	-

*AGL HEIGHT IS APPROXIMATE

RWY 23 ASDA & LDA limited by RSA.
RWY 05 ASDA & LDA limited by RSA. TODA limited by Departure Surface.
TORA limited by TODA.
RWY 11 ASDA & LDA limited by RSA.



LEGEND

- PARCELS
- AIRPORT PROPERTY LINE
- TOWN BOUNDARY LINE
- PROPOSED AIRPORT PROPERTY LINE
- ROADS AND INTERSTATES
- AVIGATION EASEMENTS
- EXISTING BUILDING
- PROPOSED BUILDING
- OFF-AIRPORT BUILDING
- BUILDING TO BE REMOVED
- RUNWAY SAFETY AREA (RSA)
- RUNWAY OBJECT FREE AREA (ROFA)
- APPROACH RUNWAY PROTECTION ZONE (ARPZ)
- DEPARTURE RUNWAY PROTECTION ZONE (DRPZ)
- BUILDING RESTRICTION LINE (BRL)
- RUNWAY VISIBILITY ZONE (RVZ)
- LOCALIZER CRITICAL AREA
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED GRASS
- PAVEMENT TO BE REMOVED
- PROPERTY TO BE ACQUIRED
- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- CONTOUR LINES
- RIVER
- SWAMP
- DITCH
- TREELINE
- PART 77 APPROACH SURFACE
- AIRPORT REFERENCE POINT (ARP)
- AIRFIELD LIGHT
- WETLANDS
- ARCHAEOLOGICAL I A SURVEY COMPLETED
- AIOS CRITICAL AREA - 500' RADIUS

AVIGATION EASEMENTS:

(1.) OVER PARCEL 102 - ALLOWS CUTTING OF ALL VEGETATION ABOVE A 19.3:1 SLOPE STARTING 200' FROM THE WEST END OF PAVEMENT OF RUNWAY 11-29.

(2.) OVER PARCEL 106 - LANGUAGE PROVIDED WAS UNCLEAR AND NO CLEARING SLOPE WAS FOUND.

(3.) OVER PARCEL 107 - LANGUAGE PROVIDED WAS UNCLEAR AND NO CLEARING SLOPE WAS FOUND.

(4.) OVER PARCEL 111 - ALLOWS FOR THE CUTTING OF VEGETATION ABOVE A 7:1 SLOPE.

(5.) OVER PARCEL 2 - ALLOWS FOR THE CUTTING OF VEGETATION TO FAR PART 77 APPROACH SURFACE

(6.) OVER PARCEL 3 - ALLOWS FOR THE CUTTING OF VEGETATION TO FAR PART 77 APPROACH SURFACE

(7.) OVER PARCEL 11 - ALLOWS FOR THE CUTTING OF VEGETATION TO FAR PART 77 APPROACH SURFACE

NOTES:

(1.) HORIZONTAL DATUM- VT STATE PLANE NAD 83/2011 (FT), VERTICAL DATUM - NAVD 88 (FT).

(2.) BASE MAPPING COMPILED BY PLANIMETRIC MAPPING FROM AERIAL IMAGERY ACQUIRED BY THE SANBORN MAPPING CO. INC ON AUGUST 29, 2012.

(3.) BUILDING RESTRICTION LINE (BRL) DRAWN TO ILLUSTRATE A MAXIMUM BUILDABLE HEIGHT OF 30' AGL IN ACCORDANCE WITH FAR PART 77 AND FAA DESIGN CRITERIA. THE BRL LOCATION MAY CHANGE DUE TO GROUND CONTOURS.

(4.) WETLANDS OBTAINED FROM 2003 ALP UPDATE. THESE WETLANDS ARE REPRESENTATIVE OF 1999 SKETCH-LEVEL WETLAND DELINEATION AND NATIONAL WETLANDS INVENTORY DATA.

(5.) ARCHAEOLOGICAL SITES OBTAINED FROM 2003 ALP UPDATE; DENOTES PHASE IA ARCHAEOLOGICAL INVESTIGATION, VAOT (VERMONT AGENCY OF TRANSPORTATION)

(6.) LOCALIZER CRITICAL AREA BASED ON WL MK1F LOG-PER LOCALIZER.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NEW ENGLAND REGIONAL HEADQUARTERS
AIRPORTS DIVISION – ANE 600

APPROVED: _____

DATE: _____

APPROVAL SUBJECT TO COMMENTS AND RECOMMENDATIONS LETTER

Docu Sign by:
Daniel Delabruere
C7A39D7FA9845C...

DIRECTOR,
VERMONT AGENCY OF TRANSPORTATION
3/27/2024

DATE: _____

CERTIFICATION

CERTIFIES THAT ALL AIRPORT ELEMENTS SHOWN ON THIS ALP ARE IN ACCORDANCE WITH CRITERIA CONTAINED IN THE CURRENT EDITION OF THE FAA ADVISORY CIRCULAR 150/5300-13B, CHANGE 1, EXCEPT AS NOTED IN "NON CONFORMING CONDITIONS".

(NAME OF SPONSOR) _____ NAME _____ DATE

ULTIMATE
AIRPORT LAYOUT PLAN

Mark	Description	Date	Appr.

Date: 12/12/2023
Design file no.:
Rev.:

Designed by: HHM
Dwn by: HHM
Ckd by: NFP
Reviewed by: HHM
Submitted by:
Drawing code:
File name:
Plot date: DECEMBER 12 2023
Plot scale: 1" = 50'

HARTNESS STATE AIRPORT
SPRINGFIELD
VERMONT

JACOBS
TWO SECURITY PARK DRIVE
SUITE 205
BEDFORD, NH 03110

VTrans Working to Get You There
Vermont Agency of Transportation

Sheet reference number:
3
3 OF 9