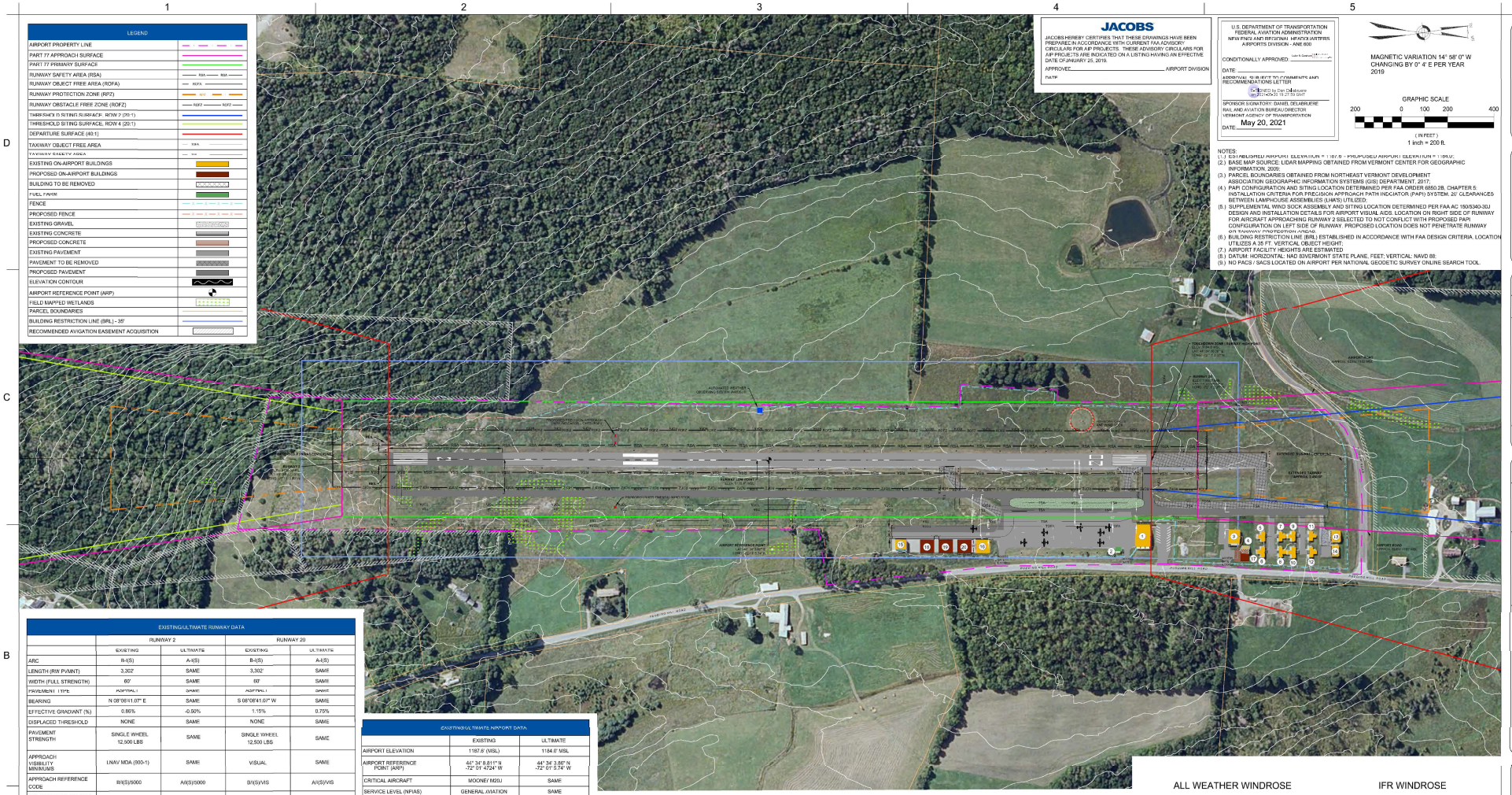


LEGEND
AIRPORT PROPERTY LINE
PART 77 APPROACH SURFACE
PART 77 PRIMARY SURFACE
RUNWAY SAFETY AREA (RSA)
RUNWAY OBJECT FREE AREA (ROFA)
RUNWAY PROTECTION ZONE (RPZ)
RUNWAY OBSTACLE FREE ZONE (ROFZ)
THRESHOLD SITING SURFACE: ROW 2 (20:1)
THRESHOLD SITING SURFACE: ROW 4 (20:1)
DEPARTURE SURFACE (40:1)
TAXIWAY OBJECT FREE AREA
TAXIWAY SAFETY AREA
EXISTING ON-AIRPORT BUILDINGS
PROPOSED ON-AIRPORT BUILDINGS
BUILDING TO BE REMOVED
FUEL FARM
FENCE
PROPOSED FENCE
EXISTING GRAVEL
EXISTING CONCRETE
PROPOSED CONCRETE
EXISTING PAVEMENT
PAVEMENT TO BE REMOVED
PROPOSED PAVEMENT
ELEVATION CONTOUR
AIRPORT REFERENCE POINT (ARP)
FIELD MAPPED WETLANDS
PARCEL BOUNDARIES
BUILDING RESTRICTION LINE (BRL) - 35'
RECOMMENDED AVIGATION EASEMENT ACQUISITION

JACOBS

JACOBS HEREBY CERTIFIES THAT THESE DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH CURRENT FAA ADVISORY CIRCULARS FOR AIP PROJECTS. THESE ADVISORY CIRCULARS FOR AIP PROJECTS ARE INDICATED ON A LISTING HAVING AN EFFECTIVE DATE OF JANUARY 25, 2019.

APPROVED: _____ AIRPORT DIVISION

DATE:

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NEW ENGLAND REGION
AIRPORTS DIVISION - ANE-600

CONDITIONALLY APPROVED: _____

DATE: _____

APPROVAL IS SUBJECT TO COMMENTS AND RECOMMENDATIONS LETTER

Signed by Dan Delabruere
2021.05.20 11:21:19 -04'00'

SPONSOR'S SIGNATORY: DANIEL DELABRUERE
RAIL AND AVIATION BUREAU DIRECTOR
VERMONT AGENCY OF TRANSPORTATION

DATE: May 20, 2021

MAGNETIC VARIATION 14° 58' 0" W
CHANGING BY 0° 4' E PER YEAR
2019

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

NOTES:
(1.) ESTABLISHED AIRPORT ELEVATION = 1187.6 - PROPOSED AIRPORT ELEVATION = 1184.0;
(2.) BASE MAP SOURCE: LIDAR MAPPING OBTAINED FROM VERMONT CENTER FOR GEOGRAPHIC INFORMATION, 2009;
(3.) PARCEL BOUNDARIES OBTAINED FROM NORTHEAST VERMONT DEVELOPMENT ASSOCIATION GEOGRAPHIC INFORMATION SYSTEMS (GIS) DEPARTMENT, 2017;
(4.) PAPI CONFIGURATION AND SITING LOCATION DETERMINED PER FAA ORDER 6850.2B, CHAPTER 5: INSTALLATION CRITERIA FOR PRECISION APPROACH PATH INDICATOR (PAPI) SYSTEM. 20' CLEARANCES BETWEEN LAMPHOUSE ASSEMBLIES (LHAS) UTILIZED;
(5.) SUPPLEMENTAL WIND SOCK ASSEMBLY AND SITING LOCATION DETERMINED PER FAA AC 150/5340-30J DESIGN AND INSTALLATION DETAILS FOR AIRPORT VISUAL AIDS. LOCATION ON RIGHT SIDE OF RUNWAY FOR AIRCRAFT APPROACHING RUNWAY 2 SELECTED TO NOT CONFLICT WITH PROPOSED PAPI CONFIGURATION ON LEFT SIDE OF RUNWAY. PROPOSED LOCATION DOES NOT PENETRATE RUNWAY OR RUNWAY PROTECTION AREAS;
(6.) BUILDING RESTRICTION LINE (BRL) ESTABLISHED IN ACCORDANCE WITH FAA DESIGN CRITERIA. LOCATION UTILIZES A 35 FT. VERTICAL OBJECT HEIGHT;
(7.) AIRPORT FACILITY HEIGHTS ARE ESTIMATED
(8.) DATUM: HORIZONTAL: NAD 83/VERMONT STATE PLANE, FEET; VERTICAL: NAVD 88;
(9.) NO PACS / SACS LOCATED ON AIRPORT PER NATIONAL GEODETIC SURVEY ONLINE SEARCH TOOL.

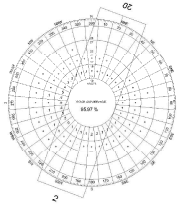
EXISTING/ULTIMATE RUNWAY DATA	RUNWAY 2		RUNWAY 20	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
ARC	B-I(S)	A-I(S)	B-I(S)	A-I(S)
LENGTH (RW PVMNT)	3,302'	SAME	3,302'	SAME
WIDTH (FULL STRENGTH)	60'	SAME	60'	SAME
PAVEMENT TYPE	ASPHALT	SAME	ASPHALT	SAME
BEARING	N 08°06'41.07" E	SAME	S 08°06'41.07" W	SAME
EFFECTIVE GRADIANT (%)	0.86%	-0.50%	1.15%	0.75%
DISPLACED THRESHOLD	NONE	SAME	NONE	SAME
PAVEMENT STRENGTH	SINGLE WHEEL 12,500 LBS	SAME	SINGLE WHEEL 12,500 LBS	SAME
APPROACH VISIBILITY MINIMUMS	LNAV MDA (900-1)	SAME	VISUAL	SAME
APPROACH REFERENCE CODE	B/I(S)5000	A/I(S)5000	B/I(S)VIS	A/I(S)VIS
DEPARTURE REFERENCE CODE	B/I(S)	SAME	B/I(S)	SAME
RW MARKING	NON-PRECISION	SAME	VISUAL	SAME
NAVIGATIONAL AIDS	N/A	SAME	N/A	SAME
VISUAL AIDS	REILS	PAPI REILS	N/A	SAME
RUNWAY LIGHTING	MIRL	SAME	MIRL	SAME
AERONAUTICAL SURVEY REQUIRED	NOT VERTICALLY GUIDED	SAME	NOT VERTICALLY GUIDED	SAME
PART 77 RUNWAY CATEGORY	NON-PRECISION UTILITY	SAME	VISUAL UTILITY	SAME
PART 77 APPROACH SURFACE	20:1 (5,000')	SAME	20:1 (5,000')	SAME
RSA DIMENSIONS WIDTH	120'	SAME	120'	SAME
RSA DIMENSIONS LENGTH BEYOND RW END	240'	SAME	240'	SAME
ROFA DIMENSIONS WIDTH	250'	SAME	250'	SAME
ROFA DIMENSIONS LENGTH BEYOND RW END	240'	SAME	240'	SAME
RPZ DIMENSIONS INNER W	250'	SAME	250'	SAME
RPZ DIMENSIONS OUTER W	450'	SAME	450'	SAME
RPZ DIMENSIONS LENGTH	1000'	1000'	1000'	1000'
RPZ DIMENSIONS BEYOND RW END	200'	200'	200'	200'
ROFZ DIMENSIONS WIDTH	250'	SAME	250'	SAME
ROFZ DIMENSIONS LENGTH BEYOND RW END	200'		200'	

EXISTING/ULTIMATE AIRPORT DATA	EXISTING	ULTIMATE
AIRPORT ELEVATION	1187.6' (MSL)	1184.0' MSL
AIRPORT REFERENCE POINT (ARP)	44° 34' 8.811" N -72° 01' 47.24" W	44° 34' 3.86" N -72° 01' 5.74" W
CRITICAL AIRCRAFT	MOONEY M20J	SAME
SERVICE LEVEL (NPIAS)	GENERAL AVIATION	SAME
OPERATIONAL ROLE (NPIAS)	LOCAL	SAME
STATE EQUIVALENT ROLE	LOCAL	SAME
TAXIWAY LIGHTING	N/A	MITL
TAXIWAY MARKING	CL	SAME
TAXIWAY WIDTH	40'	25'
TAXIWAY EDGE SAFETY MARGIN (TERM)	5.99' (EACH SIDE OF M20J MAIN GEAR)	7.91' (EACH SIDE M20J MAIN GEAR)
TAXIWAY SAFETY AREA (TSA)	49'	SAME
TAXIWAY OBJECT FREE AREA (TOFA)	89'	SAME
DESIGNATED INSTRUMENT RW	RW2	SAME
MAGNETIC DECLINATION (2019)	14° 58'3" W	SAME
MAGNETIC DECLINATION (YEARLY)	00° 04' 30" E	SAME
AIRPORT ACREAGE	69.22	SAME
AIRPORT FENCE	PARTIAL 6 FT CHAIN LINK PERIMETER FENCE	FULL 6 FT CHAIN LINK PERIMETER FENCE
AIRPORT SPONSOR	STATE OF VERMONT	SAME
MEAN MAX. TEMPERATURE OF HOTTEST MONTH	JULY/75° F	TBD

AIRPORT FACITIES		
NO.	FACILITY TYPE	HEIGHT (MSL)
1	TERMINAL/HANGAR	1203'
2	FUEL FARM	1199'
3	STATE-OWNED EAA HANGAR	1212'
4	BUILDING (TO BE REMOVED)	1208'
5	PRIVATE HANGAR	1205'
6	PRIVATE HANGAR	1205'
7	PRIVATE HANGAR	1205'
8	PRIVATE HANGAR	1205'
9	PRIVATE HANGAR	1208'
10	PRIVATE HANGAR	1205'
11	PRIVATE HANGAR	1205'
12	PRIVATE HANGAR	1205'
13	PRIVATE HANGAR	1208'
14	PRIVATE HANGAR	1208'
15	PRIVATE HANGAR	1193'
16	PRIVATE HANGAR	1193'
17	PROPOSED SRE BUILDING	1210'
18	PROPOSED HANGARS	1193'
19	PROPOSED HANGARS	1193'
20	PROPOSED HANGARS	1193'

DECLARED DISTANCES					
RUNWAY	RUNWAY LENGTH	TORA	TODA	ASDA	LDA
2	3,302	3,302	3,302	3,302	3,302
20	3,302	3,302	3,302	3,302	3,302

ALL WEATHER WINDROSE

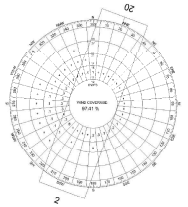


SOURCE: NATIONAL CLIMATIC DATA CENTER
PERIOD: 2009-2017

ALLOWABLE CROSS WIND COMPONENT

RUNWAY 2-20 10.5 KTS

IFR WINDROSE



SOURCE: NATIONAL CLIMATIC DATA CENTER
PERIOD: 2009-2017

ALLOWABLE CROSS WIND COMPONENT

RUNWAY 2-20 10.5 KTS

ULTIMATE
AIRPORT LAYOUT PLAN

No.	Description	Date	App'd

Designed by: MED
Drawn by: BC3
Reviewed by: HHM
Submitted by:
Date: 1/31/2019
Design file no.
Drawing coor.
Chkd by: HHM
File name: Ultimate ALP.dwg
Plot date: May 2021
Plot scale: 1"= 200'

CALEDONIA COUNTY STATE AIRPORT
LYNDON
VERMONT

JACOBS
TWO EXECUTIVE PARK DRIVE
SUITE 205
BEDFORD, NH 03110

VERMONT
AGENCY OF TRANSPORTATION

Sheet reference number:
3
3 OF 5

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