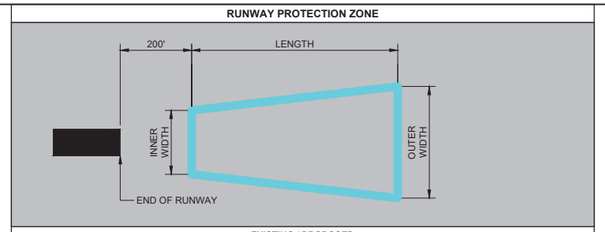
RUNWAY 15-33 DATA TABLE

RUNWAY DATA	RWY 15 - EXISTING - RWY 33	
Utility Runway (YES/NO)	NO	
Runway Design Code (RDC)	B-II	
Pavement Strength & Material Type	ASPHALT	
Strength by Wheel Loading	51,000 LBS SW	
Pavement Classification Number (PCN)	58 F/B/W/T	
Surface Treatment	NONE	
Effective Runway Gradient	0.4%	-0.4%
Runway Length	5,000'	
Runway Width	150'	
Displaced Threshold Coordinates		
Distance	490'	Not Applicable
Latitude (NAD 83)	42° 09' 47.08"N	Not Applicable
Longitude (NAD 83)	072° 43' 14.17"W	Not Applicable
Elevation (M SL) (NAVD 88)	263.0'	Not Applicable
Runway End Coordinates		
Latitude (NAD 83)	42° 09' 50.79"N	42° 09' 12.86"N
Longitude (NAD 83)	072° 43' 18.36"W	072° 42' 35.88"W
Elevation (M SL) (NAVD 88)	261.5'	246.9'
Runway Lighting Type	MIRL	
Approach Lighting	NONE	NONE
Vertical Glide Slope Indicator Lights (VGSI)	PAPI-4L	PAPI-4R
Runway Protection Zone (RPZ) (W x OW x L)	500' x 700' x 1,000'	500' x 700' x 1,000'
Runway Marking Type	VISUAL	VISUAL
14 CFR Part 77 Approach Category	20:1 VISUAL	20:1 VISUAL
Approach Type	VISUAL	VISUAL
Visibility Minimums	3 Miles	3 Miles
Runway Departure Surface (YES/NO)	YES	YES
Runway Safety Area (RSA)		
Length Beyond Departure End	300'	300'
Length Prior to Threshold	300'	300'
Width	150'	
Object Free Area (OFA)		
Length Beyond Departure End	300'	300'
Length Prior to Threshold	300'	300'
Width	500'	
Obstacle Free Zone (OFZ)		
Length	200'	200'
Width	400'	
Obstacle Clearance Surface (OCS)	No OCS Penetrations	No OCS Penetrations
Visual and Instrument NAVAIDs	MIRL, PAPI	MIRL, PAPI
Touchdown Zone Elevation (M SL)	262.9'	247.8'
Taxiway Design Group	TDG-2	TDG-2

RUNWAY 2-20 DATA TABLE

RUNWAY DATA	RWY 2 - EXISTING - RWY 20	
Utility Runway (YES/NO)	NO	
Runway Design Code (RDC)	C-IV	
Pavement Strength & Material Type	ASPHALT w/concrete	
Strength by Wheel Loading	75,000 LBS SW	
Pavement Classification Number (PCN)	58/R/B/W/T	
Surface Treatment	Grooved	
Effective Runway Gradient	-0.1%	0.1%
Runway Length	9,000'	
Runway Width	150'	
Displaced Threshold Coordinates		
Distance	0	0
Latitude (NAD 83)	Not Applicable	Not Applicable
Longitude (NAD 83)	Not Applicable	Not Applicable
Elevation (M SL) (NAVD 88)	Not Applicable	Not Applicable
Runway End Coordinates		
Latitude (NAD 83)	42° 09' 43.08"N	42° 10' 10.57"N
Longitude (NAD 83)	072° 43' 07.75"W	072° 42' 46.58"W
Elevation (M SL) (NAVD 88)	266.4'	266.5'
Runway Lighting Type	HIRL	
Approach Lighting	PAPI-4L	PAPI-4L, SSALSR
Vertical Glide Slope Indicator Lights (VGSI)	PAPI-4L	PAPI-4L
Runway Protection Zone (RPZ) (W x OW x L)	1,000' x 1,510' x 1,700'	1,000' x 1,750' x 2,500'
Runway Marking Type	NON-PRECISION	PRECISION
14 CFR Part 77 Approach Category	34:1 NON-PRECISION	50:1 PRECISION
Approach Type	VORTE C, TACAN, GPS	ILS,VOR, NDB, GPS
Visibility Minimums	1 MILE	1/2 MILE
Runway Departure Surface (YES/NO)	YES	YES
Runway Safety Area (RSA)		
Length Beyond Departure End	1,000'	1,000'
Length Prior to Threshold	600'	600'
Width	800'	
Object Free Area (OFA)		
Length Beyond Departure End	1,000'	1,000'
Length Prior to Threshold	600'	600'
Width	800'	
Obstacle Free Zone (OFZ)		
Length	200'	3,200'
Width	400'	
Obstacle Clearance Surface (OCS)	YES	YES
Visual and Instrument NAVAIDs	HIRL, PAPI	HIRL, PAPI, ILS, MALSAR, VGSI
Touchdown Zone Elevation	261.5'	267.3'
Taxiway Design Group	TDG-2	TDG-2

RUNWAY PROTECTION ZONE



EXISTING / PROPOSED

RUNWAY	APPROACH TYPE	VISIBILITY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
2	PRECISION	1 MI	1000'	1510'	1,700'	78.914
20	PRECISION	1/2 MI	1000'	1750'	2,500'	78.914
15	VISUAL	Visual	500'	700'	1'000'	13.77
33	VISUAL	Visual	500'	700'	1'000'	13.77

AIRPORT DATA TABLE

AIRPORT DATA	EXISTING
FAA Site Number	13306A
Airport Elevation (MSL) (NAVD 88)	270.7'
Airport Reference Point (NAD 83) Latitude / Longitude	42° 09' 28.0"N / 072° 42' 56.4"W
Mean Max Temperature of Hottest Month	85°F
Airport Navigation Aids (Ownership)	ILS (FAA), PAPI (FAA), MALSR (FAA), REIL (FAA), Runway Lights (Airport), Rotating Beacon (Airport)
Miscellaneous Facilities	AvGas and Jet A Fuel
Declination / Source (Date)	13°44'W / NOAA (Feb 2019)
NPIAS Service Level	General Aviation
State Service Level	General Aviation Regional
Airport Reference Code	C-IV
Taxiway Design Group / Taxiway Width	TDG-2 / All = 50'
Design Aircraft	GULFSTREAM G650

TAXIWAY PROTECTION (EXISTING)

TAXIWAY	WIDTH (FT)	TSA WIDTH (FT)	TOFA WIDTH (FT)
A	50'	79'	131'
B (North)	125'	79'	131'
B (South)	50'	79'	131'
B1	35'	79'	131'
B2	60'	79'	131'
B4	35'	79'	131'
D	50'	79'	131'
E	50'	79'	131'
F	50'	79'	131'
G	50'	79'	131'
H	140'	79'	131'
S	155'	79'	131'

NOTE:

ALL ELEVATIONS ARE MEAN SEA LEVEL (MSL)
VERTICAL DATUM : NAVD 88
COORDINATE SYSTEM : NAD 83

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING CONTOUR
- EXISTING FENCE
- RUNWAY SAFETY AREA
- OBJECT FREE AREA
- OBJECT FREE ZONE
- BUILDING RESTRICTION LINE
- RUNWAY VISIBILITY LINE
- RUNWAY PROTECTION ZONE
- FAR PART 77 SURFACE
- THRESHOLD SITING SURFACE
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING WETLANDS
- LEASE HOLD

DECLARED DISTANCES (EXISTING CONDITIONS)

RUNWAY	RUNWAY LENGTH (FT)	TORA	TODA	ASDA	LDA
2	9,000	9,000	9,000	9,000	9,000
20	9,000	9,000	9,000	8,919	8,919
15	5,000	5,000	5,000	5,000	3,960*
33	5,000	5,000	5,000	5,000	5,000

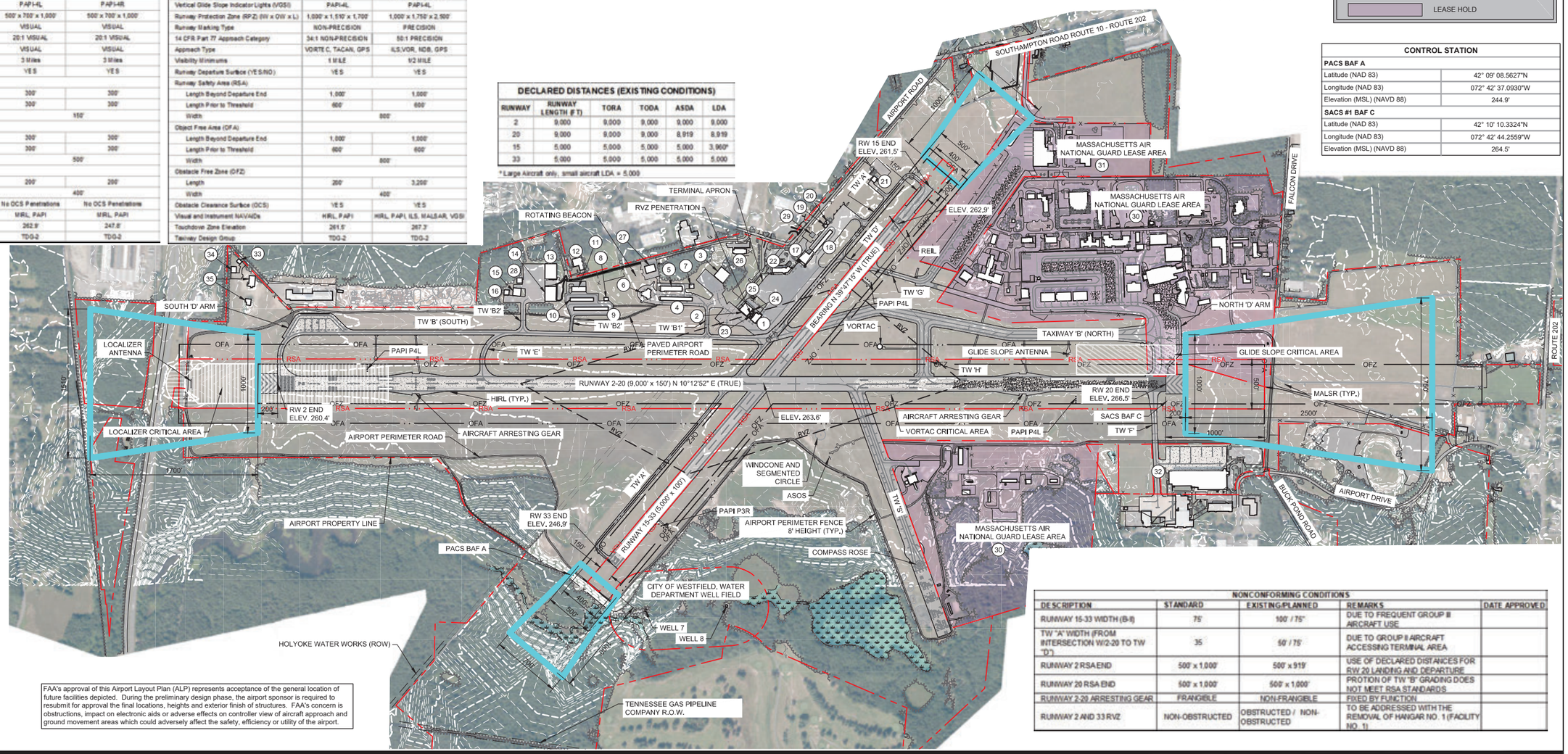
* Large Aircraft only, small aircraft LDA = 5,000

CONTROL STATION

PACS BAF A	
Latitude (NAD 83)	42° 09' 08.5627"N
Longitude (NAD 83)	072° 42' 37.0930"W
Elevation (MSL) (NAVD 88)	244.9'
SACS #1 BAF C	
Latitude (NAD 83)	42° 10' 10.3324"N
Longitude (NAD 83)	072° 42' 44.2559"W
Elevation (MSL) (NAVD 88)	264.5'

FACILITIES TABLE

EXISTING	
NO.	DESCRIPTION
1	Hangar 1
2	Hangar 2
3	Hangar 3
4	Tee Hangar
5	Hangar
6	HEX Hangar
7	Hangar
8	Hangar
9	Tee Hangar
10	Tee Hangar
11	Hangar
12	Tee Hangar (Off-Airport Property)
13	Hangar
14	Hangar
15	Hangar
16	Hangar
17	Hangar
18	Hangar
19	Tee Hangar
20	Tee Hangar
21	Hangar
22	Terminal Building
23	Air Traffic Control Tower
24	Abandoned Elec. Vault
25	Airfield Electrical Vault
26	Westfield City Building
27	SRE Building
28	Fuel Farm
29	Fuel Farm
30	MA Air National Guard (Leasehold)
31	Army National Guard (Leasehold)
32	Gulfstream (Leasehold)
33	Office
34	Hangar
35	Abandoned Buildings



FAA's approval of this Airport Layout Plan (ALP) represents acceptance of the general location of future facilities depicted. During the preliminary design phase, the airport sponsor is required to resubmit for approval the final locations, heights and exterior finish of structures. FAA's concern is obstructions, impact on electronic aids or adverse effects on controller view of aircraft approach and ground movement areas which could adversely affect the safety, efficiency or utility of the airport.

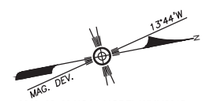
NONCONFORMING CONDITIONS

DESCRIPTION	STANDARD	EXISTING/PLANNED	REMARKS	DATE APPROVED
RUNWAY 15-33 WIDTH (B-II)	75'	100' / 75'	DUE TO FREQUENT GROUP II AIRCRAFT USE	
TW "A" WIDTH (FROM INTERSECTION W/2-20 TO TW "D")	35	50' / 75'	DUE TO GROUP II AIRCRAFT ACCESSING TERMINAL AREA	
RUNWAY 2 RSA END	500' x 1,000'	500' x 919'	USE OF DECLARED DISTANCES FOR RW 20 LANDING AND DEPARTURE	
RUNWAY 20 RSA END	500' x 1,000'	500' x 1,000'	PROTION OF TW "B" GRADING DOES NOT MEET RSA STANDARDS	
RUNWAY 2-20 ARRESTING GEAR	FRANGIBLE	NON-FRANGIBLE	FIXED BY FUNCTION	
RUNWAY 2 AND 33 RVZ	NON-OBSTRUCTED	OBSTRUCTED / NON-OBSTRUCTED	TO BE ADDRESSED WITH THE REMOVAL OF HANGAR NO. 1 (FACILITY NO. 1)	

Revision	By	Appd.	MM.DD.YY
X			

Issued	By	Appd.	YY.MM.DD

Permit-Seal



2019_02_08 NOAA MODEL WMM2015

0 500' 1000'

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Client/Project
WESTFIELD-BARNES REGIONAL AIRPORT

AIRPORT LAYOUT PLAN

WESTFIELD, MASSACHUSETTS

File Name:	CAM	ECD	PVE	X
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
EXISTING FACILITIES PLAN

Project No.	Scale	
195210988	AS SHOWN	
Drawing No.	**Sheet**	**Revision**
2	2 of 10	0

ORIGINAL SHEET - ARCH D BASE