RUNWAY 15-33 DATA TABLE

RUNWAY DATA	RWY 15 - PROPOSED	RWY 33
Utility Runway (YES/NO)	NO	
Runway Design Code (RDC)	B-II - 5000	
Pavement Strength & Material Type	ASPHALT	
Strength by Wheel Loading	51,000 LBS SW	
Pavement Classification Number (PCN)	26/F/A/X/U	
Surface Treatment	GROOVED	
Effective Runway Gradient	0.4%	-0.4%
Runway Length	5,000'	
Runway Width	75'	
Displaced Threshold Coordinates		
Distance	490'	NOT APPLICABLE
Latitude (NAD 83)	42° 09' 47.03"	NOT APPLICABLE
Longitude (NAD 83)	72° 43' 14.11"	NOT APPLICABLE
Elevation (MSL) (NAVD 88)	263'	NOT APPLICABLE
Runway End Coordinates		
Latitude (NAD 83)	42° 09' 50.79"N	42° 09' 12.85"N
Longitude (NAD 83)	072° 43' 18.36"W	072° 42' 35.88"W
Elevation (MSL) (NAVD 88)	261.5'	246.9'
Runway Lighting Type	MIRL	
Approach Lighting	NONE	NONE
Vertical Glide Slope Indicator Lights (VGSI)	PAPI-4L, REIL	PAPI-4L, REIL
Runway Protection Zone (RPZ) (IW 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, N/A)	YES (40:1)	YES (40:1)
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)	OCS 3 (FAA EB99A)	OCS 3 (FAA EB99A)
Touchdown Zone Elevation (MSL)	262.9'	247.8'
Taxiway Design Group	TDG-2	TDG-2

RUNWAY 2-20 DATA TABLE

RUNWAY DATA	RWY 2 - PROPOSED	RWY 20
Utility Runway (YES/NO)	NO	
Runway Design Code (RDC)	C-III - 2400	
Pavement Strength & Material Type	ASPHALT/CONCRETE	
Strength by Wheel Loading	150,000 LBS SW	
Pavement Classification Number (PCN)	58/R/BW/T	
Surface Treatment	GROOVED	
Effective Runway Gradient	-0.1%	0.1%
Runway Length	9,000'	
Runway Width	150'	
Displaced Threshold Coordinates		
Distance	NOT APPLICABLE	NOT APPLICABLE
Latitude (NAD 83)	NOT APPLICABLE	NOT APPLICABLE
Longitude (NAD 83)	NOT APPLICABLE	NOT APPLICABLE
Elevation (MSL) (NAVD 88)	NOT APPLICABLE	NOT APPLICABLE
Runway End Coordinates		
Latitude (NAD 83)	42° 08' 43.08"N	42° 10' 10.58"N
Longitude (NAD 83)	072° 43' 07.75"W	072° 42' 46.56"W
Elevation (MSL) (NAVD 88)	260.4'	266.5'
Runway Lighting Type	HIRL	
Approach Lighting	PAPI-4L	PAPI-4L, MALSR
Vertical Glide Slope Indicator Lights (VGSI)	PAPI-4L	PAPI-4L
Runway Protection Zone (RPZ) (IW x OW x L)	500' x 1,010' 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	VORTAC, TACAN, GPS, RNAV	ILS,VOR, GPS
Visibility Minimums	1 MILE	1/2 MILE
Runway Departure Surface (YES/Na)	YES (40:1)	YES (40:1)
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'	200'
Width	400'	
Obstacle Clearance Surface (OCS)	OCS 4 (FAA EB99A)	OCS 5 & 6 (FAA EB99A)
Visual and Instrument NAVAIDs	PAPI, REIL, HIRL	PAPI, HIRL, MALSR
Touchdown Zone Elevation	261.5'	267.3'
Taxiway Design Group	TDG-2	TDG-2

TAXIWAY PROTECTION (PROPOSED)

TAXIWAY	WIDTH (FT)	TSA WIDTH (FT)	TOFA WIDTH (FT)
A	35/50'	79'/118'	131'/186'
B (North)	75' w/ 25' shoulders	118'	186'
B (South)	75' w/ 25' shoulders	118'	186'
B1	45'	118'	186'
B2	25'	118'	186'
B4	50'	118'	186'
D	REMOVED	N/A	N/A
E	50'	118'	186'
F	50'	118'	186'
G	REMOVED	N/A	N/A
H	90' w/ 25' shoulders	118'	186'
S	50'	118'	186'

AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	PROPOSED
FAA Site Number	13306A	13306
Airport Elevation (MSL) (NAVD 88)	270.7'	270.7'
Airport Reference Point (NAD 83) Latitude / Longitude	42° 09' 28.0"N / 072° 42' 56.4"W	42° 09' 28.0"N / 072° 42' 56.4"W
Mean Max Temperature of Hottest Month	85°F	85°F
Airport Navigation Aids (Ownership)	ILS (FAA), PAPI (FAA/Airport), MALSR (FAA), Runway Lights (Airport), Rotating Beacon (Airport)	ILS (FAA), PAPI (FAA/Airport), MALSR (FAA), Runway Lights (Airport), Rotating Beacon (Airport)
Miscellaneous Facilities	Taxiway Lighting, Lighted Windcone, ASOS, AvGas, Jet A Fuel	Taxiway Lighting, Lighted Windcone, ASOS, AvGas, Jet A Fuel
Declination	13°44'W	0.3'E / Year
Source (Date)	NOAA (Feb 2019)	NOAA (Feb 2019)
NPIAS Service Level	General Aviation	General Aviation
State Service Level	General Aviation Regional	General Aviation Regional
Type of Aeronautical Survey Required	Not Applicable	Non-Precision Vertically Guided
Airport Reference Code	C-III	C-III
Taxiway Design Group / Taxiway Width	TDG-2 (35')	TDG-2 (35')
Design Aircraft	GULFSTREAM G650	GULFSTREAM G650

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'
SACS #3 RESET	
Latitude (NAD 83)	42° 09' 36.64" N
Longitude (NAD 83)	072° 43' 06.29" W
Elevation (MSL) (NAVD 88)	263.1'

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	8,870	9,000
15	5,000	5,000	5,000	4,508	4,510
33	5,000	5,000	5,000	5,000	5,000

DECLARED DISTANCES (PROPOSED 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	8,870	9,000
15	5,000	5,000	5,000	5,000	5,000
33	5,000	5,000	5,000	5,000	5,000

FACILITIES TABLE

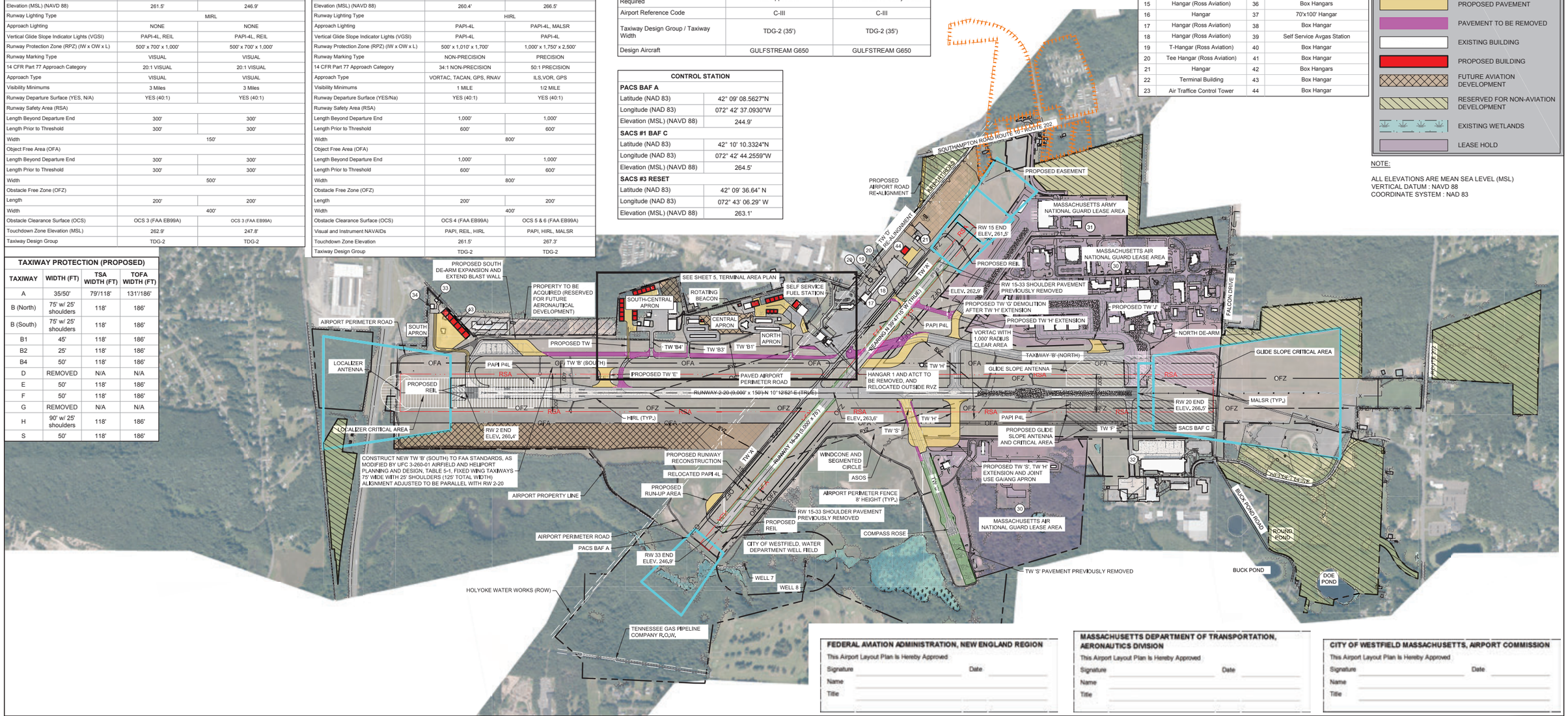
EXISTING NO.	EXISTING DESCRIPTION	EXISTING NO.	EXISTING DESCRIPTION
1	Hangar 1	24	Abandoned Elec. Vault
2	Hangar 2	25	Airfield Electrial Vault
3	Hangar 3	26	Westfield City Building
4	T-Hangar (Whip City Aviation)	27	SRE Buliding
5	Hangar (Whip City Aviation)	28	Fuel Farm (Ross Aviation)
6	HEX Hangar	29	Fuel Tanks
7	Hangar	30	MA Air National Guard (Leasehold)
8	Hangar (Gonet)	31	MA Army National Guard (Leasehold)
9	T-Hangar (Whip City Aviation)	32	Gulfstream (Leasehold)
10	T-Hangar (Whip City Aviation)	33	Hangar (Air Methods)
11	Hangar (Whip City Aviation)	34	Building (Air Methods)
12	Office		**PROPOSED**
13	Hangar (Ross Aviation)	**NO.**	**DESCRIPTION**
14	Hangar (Ross Aviation)	35	SRE Expansion
15	Hangar (Ross Aviation)	36	Box Hangars
16	Hangar	37	70'x100' Hangar
17	Hangar (Ross Aviation)	38	Box Hangar
18	Hangar (Ross Aviation)	39	Self Service Avgas Station
19	T-Hangar (Ross Aviation)	40	Box Hangar
20	Tee Hangar (Ross Aviation)	41	Box Hangar
21	Hangar	42	Box Hangars
22	Terminal Building	43	Box Hangar
23	Air Traffice Control Tower	44	Box Hangar

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING CONTOUR
- EXISTING FENCE
- PROPOSED FENCE
- RUNWAY SAFETY AREA
- OBJECT FREE AREA
- OBJECT FREE ZONE
- BUILDING RESTRICTION LINE
- RUNWAY VISIBILITY LINE
- RUNWAY PROTECTION ZONE
- PROPOSED EASEMENT
- THRESHOLD SITING SURFACE
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PAVEMENT TO BE REMOVED
- EXISTING BUILDING
- PROPOSED BUILDING
- FUTURE AVIATION DEVELOPMENT
- RESERVED FOR NON-AVIATION DEVELOPMENT
- EXISTING WETLANDS
- LEASE HOLD

NOTE:

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

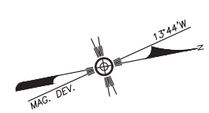


FEDERAL AVIATION ADMINISTRATION, NEW ENGLAND REGION	MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, AERONAUTICS DIVISION	CITY OF WESTFIELD MASSACHUSETTS, AIRPORT COMMISSION
This Airport Layout Plan Is Hereby Approved	This Airport Layout Plan Is Hereby Approved	This Airport Layout Plan Is Hereby Approved
Signature ____ Date ____	Signature ____ Date ____	Signature ____ Date ____
Name ____	Name ____	Name ____
Title ____	Title ____	Title ____

Revision	By	Appd.	MM.DD.YY
X			

Issued	By	Appd.	YY.MM.DD

Permit-Seal



2019_02_08 NOAA MODEL WMM2015

0 600' 1200'

Stantec

3 Columbia Circle, Suite 6
Albany, New York 12203
www.stantec.com

Client/Project
WESTFIELD-BARNES REGIONAL AIRPORT

AIRPORT LAYOUT PLAN

WESTFIELD, MASSACHUSETTS

File Name: | CAM Dwn. | ECD Chkd. | PVE Dsgn. | 20.02.26 YY.MM.DD

Title
ULTIMATE AIRPORT LAYOUT PLAN

Project No. 195210988
Scale AS SHOWN
Drawing No. 3
Sheet 3 of 10
Revision 0

ORIGINAL SHEET - ARCH D BASE