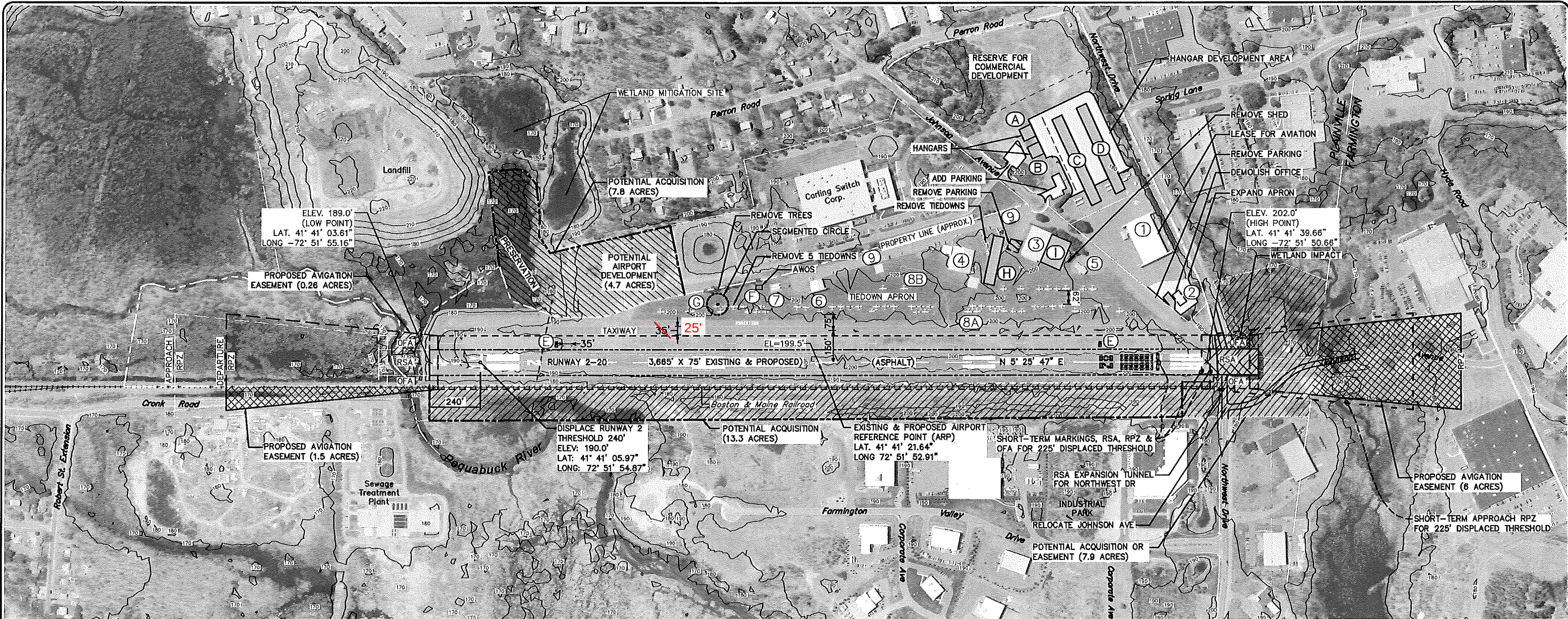




RUNWAY DATA TABLE		
RUNWAY DATA	Runway 2-20	
	Existing	Proposed
Effective Gradient (%)	0.3	0.3
Maximum Grade Change	0.6	0.6
Wind Coverage (%)	94%	94%
Max. Elevation (MSL)	202'	202'
Runway Length	3,665'	3,665'
Runway Width	75'	75'
Displaced Threshold	None	Rwy 2: 240' Rwy 20: 225'
Usable Runway Length	See Declared Distances	See Declared Distances
Surface Type	Asphalt	Asphalt
Pavement Strength	Undetermined	12,500 LBS SW
Approach Surface Slope	Rwy 2: 20:1 Rwy 20: 20:1	Rwy 2: 20:1 Rwy 20: 20:1
Approach Minimums	Visual	Rwy 2: Non-Precision (1 Mile) Rwy 20: Non-Precision (1 Mile)
Visual Approach Aids	REIL	REIL, PAPI
Instrument Approach Aids	None	None
Runway Lighting	MIRL	MIRL
Runway Marking	Visual	Non-Precision
Airport Reference Code (ARC)	B-I, Small	B-I, Small
Critical Aircraft	Citation Jet	Citation Jet
Runway Object Free Area (ROFA)	Length Beyond Rwy:	240'
	Width:	250'
Runway Safety Area (RSA)	Length Beyond Rwy:	Rwy 2: 0' (Non-standard) Rwy 20: 15' (Non-standard)
	Width:	240'
FAR Part 77 Category		Visual
Runway End Coordinates (NAD 83)	Lat.	Rwy 2: 41° 41' 03.61"N Rwy 20: 41° 41' 03.61"N
	Long.	Rwy 2: -72° 51' 55.16"W Rwy 20: -72° 51' 55.16"W
	Lat.	Rwy 20: 41° 41' 39.66"N Rwy 20: 41° 41' 39.66"N
Runway End Elevations (MSL)	Long.	Rwy 20: -72° 51' 50.66"W Rwy 20: -72° 51' 50.66"W
	Long.	Rwy 2: 188.8' Rwy 20: 201.8'
Displaced Threshold Elevation (MSL)	N/A	
TDZ Elevation (MSL)	202'	
Line of Sight Violations	None	

LEGEND		
Existing	Description	Proposed
---	Runway Centerline	---
---	Runway Safety Area (RSA)	---
---	Runway Object Free Area (ROFA)	---
---	Runway Protection Zone (RPZ)	---
---	Airport Pavement	---
⊕	Airport Reference Point	⊕
①	Airport Buildings/Building No.	ⓐ
□	Other Buildings	□
---	Airport Property Line	---
---	Other Property Lines	---

Note: Some Features In The Legend May Not Have Been Used

FACILITIES TABLE	
Existing	Proposed
No.	Facility Name
1	Hangar 1
2	Office
3	Hangar 3 - Aircraft Storage
4	Terminal Hangar 4 - Aircraft Maintenance
5	House (FBO Residence)
6	Hangar 6
7	Fuel Farm (Avgas & Jet A)
8A	Helipad
8B	Helicopter Parking
9	Auto Parking
No.	Facility Name
A	Conventional Hangar (50'x50')
B	Conventional Hangar (50'x50')
C	20 Bay T-Hangar (Nested)
D	20 Bay T-Hangar (Nested)
E	PAPI
F	AWOS
G	Segmented Circle/Wind Sock
H	10 Bay T-Hangar (Nested) (228'x50')
I	Conventional Hangar

AIRPORT DATA TABLE		
Airport Data	Existing	Proposed
Airport Elevation (MSL)	201.8'	202'
Airport Reference Point (NAD 83)	Lat: 41° 41' 21.64" Long: 72° 51' 52.91"	Lat: 41° 41' 21.64" Long: 72° 51' 52.91"
Mean Max Temperature of Hottest Month	83° (July)	83° (July)
Airport Terminal Area NAVAIDS	Beacon	Beacon
Magnetic Variation	14.2° W	14.2° W
Date of Magnetic Variation	2007	2007
NPIAS Service Level	Reliever	General Aviation
State Service Level	General	General
Wind Coverage Crosswind Component 10.5 Kt	VFR: 93.4% IFR: 99.1% All Weather: 94.4%	VFR: 93.9% IFR: 99.1% All Weather: 94.4%
Airport Reference Code	B-I	B-I
Design Aircraft	Citation Jet	Citation Jet
Taxiway Lighting	MIL	MIL
Taxiway Marking	Visual	Centerline

MODIFICATIONS OF DESIGN STANDARDS				
No.	Standard Modified	FAA Standards	Existing Condition	Proposed Action
1	Taxiway OFA Width	79'	62'	Per the wingspan of tiedown aircraft (35'), a 62' Taxiway width is adequate per AC 150/5300-13 Table 4-1
Name		Date		

RUNWAY PROTECTION ZONES					
Existing RPZ			Proposed RPZ		
RWY	W1	L	W1	L	W2
2	250'	1,000'	450'	1,000'	450'
20	250'	1,000'	450'	1,000'	450'

NOTE: RPZ BEGINS 200' FROM RUNWAY END

Notes:

1. 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 owner 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 design standards which could adversely affect the safety, efficiency or utility of the airport.
2. All positional data references North American Datum of 1983 (NAD 83).
3. See ALP-1 for Windrose(s).
4. Certification: The Town of Plainville certifies that all airport elements shown on this ALP are in accordance with criteria contained in the current edition of FAA Circular 150/5300-13, except as noted in table entitled "Modification of Design Standards".

DECLARED DISTANCES							
Runway	Declared Distances				RSA Length		Date of Approval
	TORA	TODA	ASDA	LDA	Approach	Stop End	
Existing	02	None	None	None	0'	15'	Not Applicable
20	None	None	None	None	15'	0'	Not Applicable
Short-Term	02	3,665'	3,665'	3,440'	240'	240'	12-13-2010
20	3,665'	3,665'	3,425'	3,200'	240'	240'	12-13-2010
Ultimate	02	3,665'	3,665'	3,665'	3,425'	240'	To Be Determined
20	3,665'	3,665'	3,425'	3,425'	240'	240'	To Be Determined

CONNECTICUT DEPARTMENT OF TRANSPORTATION	FEDERAL AVIATION ADMINISTRATION	TOWN OF PLAINVILLE, CT
DATE	DATE	DATE

No.	Submitter / Revision	By	Date
1	TAXIWAY WIDTH REDUCED FROM 35' TO 25'		6-21

TOWN OF PLAINVILLE
ONE CENTRAL SQUARE
PLAINVILLE, CT 06062

2139 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2339
Phone: (860) 257-4657 - www.cha.com

CHA

Designed: POM Drawn: PM Checked: ER

ROBERTSON AIRPORT (4B8)
AIRPORT LAYOUT PLAN

AIRPORT LAYOUT PLAN

Issue Date: 12-13-2010 Project No.: 21402 Scale: AS NOTED

ALP-2