MODIFICATIONS OF DESIGN STANDARDS					
No.	Standard Modified	FAA Standards	Existing Condition	Proposed Action	Date Approved
1	Runway to Taxiway Separation	225 feet	200 feet	To Standard (Pending)	Oct. 20, 2006

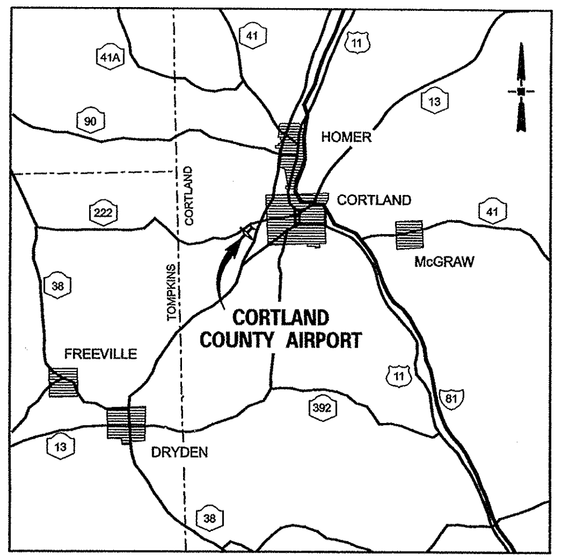
APPROVED AS TO FORM
COUNTY ATTORNEY

SUBMITTED BY: DOROTA SKRZYPEK, PROJECT MANAGER — DATE: 12.15.2005

FEDERAL AVIATION ADMINISTRATION — APPROVED BY: Otto R. Suomi, MANAGER, NEW YORK AIRPORTS DISTRICT OFFICE — DATE: 7/31/06

NEW YORK STATE - DEPARTMENT OF TRANSPORTATION AVIATION SERVICES BUREAU — APPROVED BY: Lewis Bidlack for Seth Alchman — DATE: 7/24/06

CORTLAND COUNTY — APPROVED BY: CHAIRMAN, CORTLAND COUNTY LEGISLATURE — DATE: 12/30/05; SUPERINTENDENT OF PUBLIC WORKS — DATE: 12-29-05



LOCATION MAP
SCALE: 1"=3000'

DEVELOPMENT PROJECT PHASING

PHASE 1 (2006-2010)

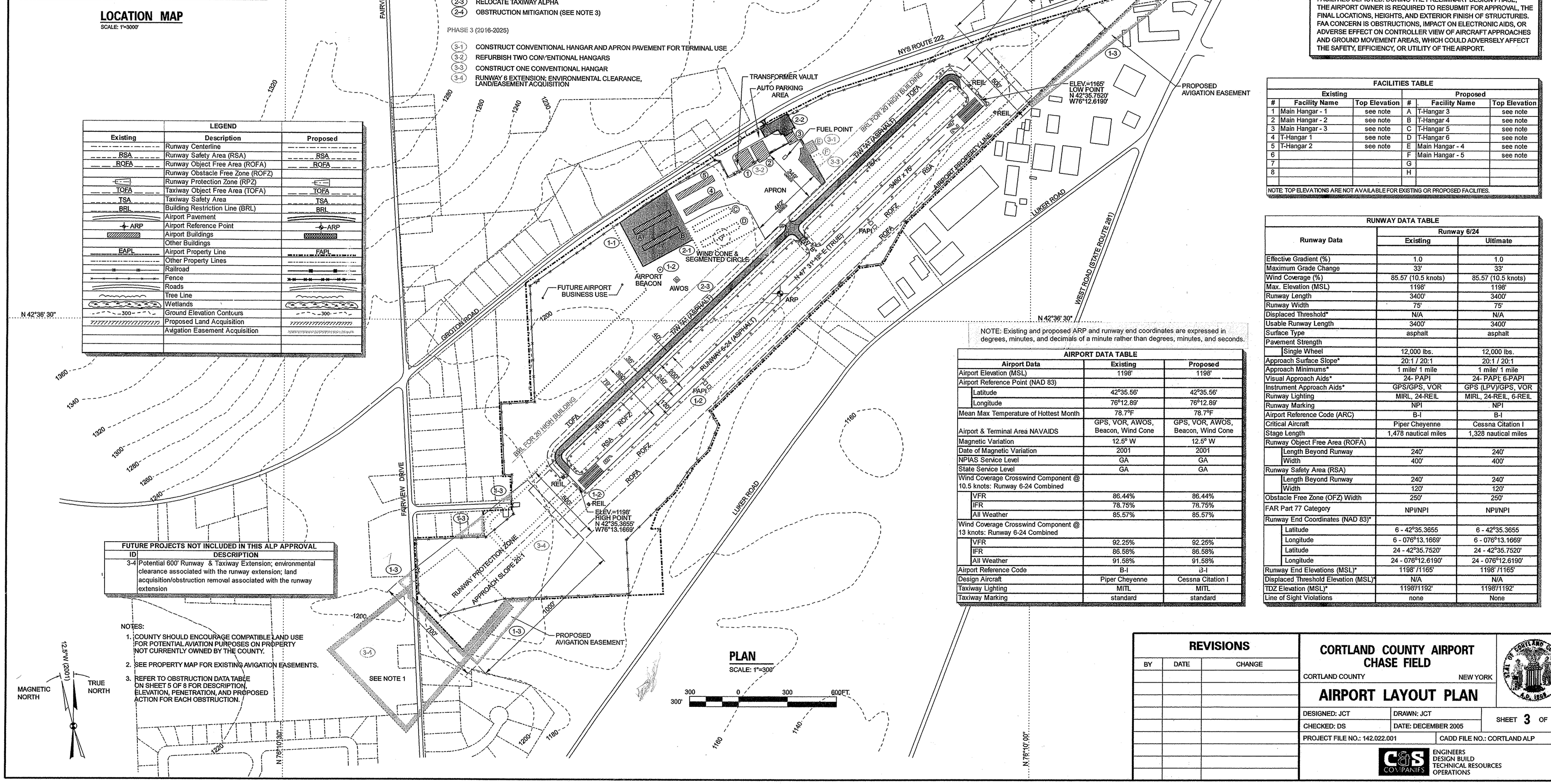
- (1-1) CONSTRUCT TWO 10 BAY T-HANGARS
- (1-2) INSTALL PAPI/REILS RUNWAY 6 AND BEACON REHABILITATION/RELOCATION
- (1-3) AVIGATION EASEMENTS (RPZ ONLY)

PHASE 2 (2011-2015)

- (2-1) CONSTRUCT TWO 10 BAY T-HANGARS AND RELOCATE WIND CONE
- (2-2) CONSTRUCT ADDITIONAL AUTO PARKING
- (2-3) RELOCATE TAXIWAY ALPHA
- (2-4) OBSTRUCTION MITIGATION (SEE NOTE 3)

PHASE 3 (2016-2025)

- (3-1) CONSTRUCT CONVENTIONAL HANGAR AND APRON PAVEMENT FOR TERMINAL USE
- (3-2) REFURBISH TWO CONVENTIONAL HANGARS
- (3-3) CONSTRUCT ONE CONVENTIONAL HANGAR
- (3-4) RUNWAY 6 EXTENSION: ENVIRONMENTAL CLEARANCE, LAND/EASEMENT ACQUISITION



LEGEND		
Existing	Description	Proposed
	Runway Centerline	
RSA	Runway Safety Area (RSA)	RSA
ROFA	Runway Object Free Area (ROFA)	ROFA
	Runway Obstacle Free Zone (ROFZ)	
	Runway Protection Zone (RPZ)	
TOFA	Taxiway Object Free Area (TOFA)	TOFA
TSA	Taxiway Safety Area	TSA
BRL	Building Restriction Line (BRL)	BRL
	Airport Pavement	
ARP	Airport Reference Point	ARP
	Airport Buildings	
	Other Buildings	
EAPL	Airport Property Line	EAPL
	Other Property Lines	
	Railroad	
	Fence	
	Roads	
	Tree Line	
	Wetlands	
300	Ground Elevation Contours	300
	Proposed Land Acquisition	
	Avigation Easement Acquisition	

FUTURE PROJECTS NOT INCLUDED IN THIS ALP APPROVAL	
ID	DESCRIPTION
3-4	Potential 600' Runway & Taxiway Extension; environmental clearance associated with the runway extension; land acquisition/obstruction removal associated with the runway extension

NOTES:

1. COUNTY SHOULD ENCOURAGE COMPATIBLE LAND USE FOR POTENTIAL AVIATION PURPOSES ON PROPERTY NOT CURRENTLY OWNED BY THE COUNTY.
2. SEE PROPERTY MAP FOR EXISTING AVIGATION EASEMENTS.
3. REFER TO OBSTRUCTION DATA TABLE ON SHEET 5 OF 8 FOR DESCRIPTION, ELEVATION, PENETRATION, AND PROPOSED ACTION FOR EACH OBSTRUCTION.

PLAN
SCALE: 1"=300'

300' 300 0 300 600FT.

NOTE: THE 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 CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECT ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS, WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

FACILITIES TABLE					
Existing			Proposed		
#	Facility Name	Top Elevation	#	Facility Name	Top Elevation
1	Main Hangar - 1	see note	A	T-Hangar 3	see note
2	Main Hangar - 2	see note	B	T-Hangar 4	see note
3	Main Hangar - 3	see note	C	T-Hangar 5	see note
4	T-Hangar 1	see note	D	T-Hangar 6	see note
5	T-Hangar 2	see note	E	Main Hangar - 4	see note
6			F	Main Hangar - 5	see note
7			G		
8			H		

NOTE: TOP ELEVATIONS ARE NOT AVAILABLE FOR EXISTING OR PROPOSED FACILITIES.

NOTE: Existing and proposed ARP and runway end coordinates are expressed in degrees, minutes, and decimals of a minute rather than degrees, minutes, and seconds.

AIRPORT DATA TABLE		
Airport Data	Existing	Proposed
Airport Elevation (MSL)	1198'	1198'
Airport Reference Point (NAD 83)		
Latitude	42°35.56'	42°35.56'
Longitude	76°12.89'	76°12.89'
Mean Max Temperature of Hottest Month	78.7°F	78.7°F
Airport & Terminal Area NAVAIDS	GPS, VOR, AWOS, Beacon, Wind Cone	GPS, VOR, AWOS, Beacon, Wind Cone
Magnetic Variation	12.5° W	12.5° W
Date of Magnetic Variation	2001	2001
NPIAS Service Level	GA	GA
State Service Level	GA	GA
Wind Coverage Crosswind Component @ 10.5 knots: Runway 6-24 Combined		
VFR	86.44%	86.44%
IFR	78.75%	78.75%
All Weather	85.57%	85.57%
Wind Coverage Crosswind Component @ 13 knots: Runway 6-24 Combined		
VFR	92.25%	92.25%
IFR	86.58%	86.58%
All Weather	91.58%	91.58%
Airport Reference Code	B-I	B-I
Design Aircraft	Piper Cheyenne	Cessna Citation I
Taxiway Lighting	MITL	MITL
Taxiway Marking	standard	standard

RUNWAY DATA TABLE		
Runway Data	Runway 6/24	
	Existing	Ultimate
Effective Gradient (%)	1.0	1.0
Maximum Grade Change	33'	33'
Wind Coverage (%)	85.57 (10.5 knots)	85.57 (10.5 knots)
Max. Elevation (MSL)	1198'	1198'
Runway Length	3400'	3400'
Runway Width	75'	75'
Displaced Threshold*	N/A	N/A
Usable Runway Length	3400'	3400'
Surface Type	asphalt	asphalt
Pavement Strength		
Single Wheel	12,000 lbs.	12,000 lbs.
Approach Surface Slope*	20:1 / 20:1	20:1 / 20:1
Approach Minimums*	1 mile/ 1 mile	1 mile/ 1 mile
Visual Approach Aids*	24- PAPI	24- PAPI; 6-PAPI
Instrument Approach Aids*	GPS/GPS, VOR	GPS (LPV)/GPS, VOR
Runway Lighting	MIRL, 24-REIL	MIRL, 24-REIL, 6-REIL
Runway Marking	NPI	NPI
Airport Reference Code (ARC)	B-I	B-I
Critical Aircraft	Piper Cheyenne	Cessna Citation I
Stage Length	1,478 nautical miles	1,328 nautical miles
Runway Object Free Area (ROFA)		
Length Beyond Runway	240'	240'
Width	400'	400'
Runway Safety Area (RSA)		
Length Beyond Runway	240'	240'
Width	120'	120'
Obstacle Free Zone (OFZ) Width	250'	250'
FAR Part 77 Category	NPI/NPI	NPI/NPI
Runway End Coordinates (NAD 83)*		
Latitude	6 - 42°35.3655	6 - 42°35.3655
Longitude	6 - 076°13.1669'	6 - 076°13.1669'
Latitude	24 - 42°35.7520'	24 - 42°35.7520'
Longitude	24 - 076°12.6190'	24 - 076°12.6190'
Runway End Elevations (MSL)*	1198' /1165'	1198' /1165'
Displaced Threshold Elevation (MSL)*	N/A	N/A
TDZ Elevation (MSL)*	1198'/1192'	1198'/1192'
Line of Sight Violations	none	None

REVISIONS		
BY	DATE	CHANGE

CORTLAND COUNTY AIRPORT CHASE FIELD
CORTLAND COUNTY — NEW YORK

AIRPORT LAYOUT PLAN

SEAL OF CORTLAND COUNTY N.Y. A.D. 1808

DESIGNED: JCT — DRAWN: JCT — SHEET 3 OF 8
CHECKED: DS — DATE: DECEMBER 2005
PROJECT FILE NO.: 142.022.001 — CADD FILE NO.: CORTLAND ALP

C&S COMPANIES — ENGINEERS, DESIGN BUILD, TECHNICAL RESOURCES, OPERATIONS

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