



RUNWAY DATA TABLE

	RUNWAY 16/34	EXISTING	ULTIMATE(U)
RUNWAY DIMENSIONS			
- LENGTH	3,000'		2570'
- WIDTH	36'		60'
EFFECTIVE RUNWAY GRADIENT (IN %)	0.2%		SAME
MAX. GRADE ON RUNWAY (IN %)	+1.87%		SAME
RUNWAY OPERATIONAL SURFACES	ASPHALT		SAME
PAVEMENT STRENGTH(SINGLE WHEEL)	12,500		SAME
APPROACH VISIBILITY MINIMUMS	VIS. MIN. \geq 1 MI.		SAME
RUNWAY LINE-OF-SIGHT	IS NOT MET		CORRECTED
PART 77 APPROACH SLOPE-16	20:1		20:1
PART 77 APPROACH SLOPE-34	10.6:1		20:1
VISUAL APPROACH AIDS	NONE		SAME
INSTRUMENT APPROACH AIDS	NONE		SAME
RUNWAY LIGHTING	MIRL		MIRL
RUNWAY MARKING	BASIC		SAME
RUNWAY DESIGN REFERENCE CODE	A-1 *		A-1 *
CRITICAL AIRCRAFT	CESSNA 182		SAME
RUNWAY SAFETY AREA (RSA) DIMENSIONS			
- WIDTH	120'		SAME
- LENGTH	3280'		3050'
OBJECT FREE AREA (OFA) DIMENSIONS			
- WIDTH	200'		SAME
- LENGTH	3280'		3050'
OBSTACLE FREE ZONE (OFZ) DIMENSIONS			
- WIDTH	200'		250'
- LENGTH	3552'		3180'
RUNWAY COORDINATE DATA			
RUNWAY 16 END (NAD 83) (91)	LAT. N46°52'32.73"		N46°52'30.76"
	LONG. W122°15'24.18"		W122°15'24.42"
RUNWAY 34 END (NAD 83) (91)	LAT. N46°52'03.21"		N46°52'05.47"
	LONG. W122°15'27.76"		W122°15'27.48"

LEGEND

EXISTING	ULTIMATE(U)	
---	---	EDGE OF PAVEMENT
⊙	⊙	USGS MONUMENT
⊙	⊙	AIRPORT BEACON
⊙	⊙	WIND CONE INDICATOR
⊙	⊙	SECTION CORNER AND LINE
⊙	⊙	CONTIUR
⊙	⊙	BUILDINGS
⊙	⊙	AIRCRAFT TIE-DOWNS
⊙	⊙	RUNWAY THRESHOLD LIGHTS
⊙	⊙	AIRPORT REFERENCE POINT (ARP)
⊙	⊙	DITCH OR WATERWAY
⊙	⊙	RUNWAY OBJECT FREE AREA(ROFA)
⊙	⊙	OBSTACLE FREE ZONE (OFZ)
⊙	⊙	RUNWAY SAFETY AREA (RSA)
⊙	⊙	RUNWAY PROTECTION ZONE (RPZ)
⊙	⊙	BUILDING RESTRICTION LINE (BRL)
⊙	⊙	PROPERTY LINE (PL)
⊙	⊙	EASEMENT

AIRPORT DATA TABLE

	EXISTING	ULTIMATE(U)
AIRPORT ELEVATION (NAVD 88)	844.9'	SAME
AIRPORT REFERENCE POINT (ARP) COORDINATES NAVD88	LAT. N46°52'18"	N46°52'18"
	LONG. W122°15'26"	W122°15'26"
TERMINAL/AIRPORT NAVIGATION AIDS	VFR	SAME
NORMAL MAX. TEMPERATURE, HOTTEST MONTH	76.0° F.	SAME
AIRPORT FUNCTIONAL ROLE (NON-NIPMS)	N/A	SAME
TAXIWAY LIGHTING	N/A	SAME
TAXIWAY MARKING	N/A	SAME
MAGNETIC DECLINATION (04/10/2007)	17°12' E	SAME
AIRPORT REFERENCE CODE (ARC)	A-1	A-1

NON-STANDARD CONDITIONS

DESCRIPTION	STANDARD	EXISTING CONDITION	PROPOSED DISPOSITION
RUNWAY WIDTH	60'	36'	WIDEN R/W & RE-GRADE
RUNWAY OBJECT FREE AREA	250'	200'	REW/RELOCATE HANGARS
RUNWAY 34 APPROACH	20:1	10.6:1	DISPLACE THRESHOLD 230'
RUNWAY 16 SAFETY AREA	240'	50' +/-	DISPLACE THRESHOLD 200'
RUNWAY 16 APPROACH	20:1	0:1	TRIM/CLEAR TREES

AIRPORT STRUCTURES

#	NUMBER	SIZE & USE	OWNERSHIP	ROOF PEAK ELEV.
1	1	60X100 HANGAR	PRIVATE	862.47**
2	2	48X48 HANGAR	PRIVATE	858.77**
3	3	54X54 HOUSE	PRIVATE	858.47**
4	4	48X48 HANGAR	PRIVATE	862.47**
5	5	50X50 HANGAR	PRIVATE	863.17**
6	6	41X30 HANGAR	PRIVATE	862.77**

** ELEVATIONS SHOWN IN TABLE PER NAVD88. CORRESPONDING STRUCTURE ELEVATIONS SHOWN IN PLAN VIEW ARE RECORDED PER NAVD29 DATUM.

GENERAL NOTES

- HORIZONTAL DATUM: THE OVERALL HORIZONTAL DATUM FOR THIS PROJECT IS NAD 83(91). WASHINGTON COORDINATE SYSTEM SOUTH ZONE. BASED ON THE PUBLISHED MONUMENT VALUES OF WSDOT MONUMENT #4214 AND PIERCE COUNTY MONUMENT #352 AS PUBLISHED ON THE WSDOT WEBSITE AND THE WASHINGTON COUNCIL OF COUNTY SUPERVISORS WEBSITE DURING APRIL, 2007.
- VERTICAL DATUM: THE VERTICAL DATUM FOR THIS PROJECT IS NAVD 88 REFERENCED FROM THE WSDOT MONUMENT #4214 AS PUBLISHED ON THE WSDOT WEBSITE DURING APRIL, 2007 WITH AN ELEVATION OF 787.38'. RECORD SURVEYS REFERENCING NAVD29 ELEVATION VALUES WERE ALSO USED TO PRODUCE THESE DRAWINGS. NAVD29 ELEVATION VALUES WERE ADJUSTED +3.47' TO NAVD88 DATUM. ELEVATION ADJUSTMENT PER ARMY CORPS OF ENGINEERS SOFTWARE CORPSON V6.0.
- MAGNETIC DECLINATION: DECLINATION ON SITE AS OF APRIL 10, 2007 IS 17°12' EAST PER NOAA GEOPHYSICAL DATA CENTER WEBSITE.
- WIND OBSERVATIONS ARE NOT AVAILABLE.
- EXISTING BUILDING ELEVATIONS WERE OBTAINED FROM RECORD AIRPORT AREA SURVEYS. ELEVATIONS ARE DISPLAYED REFERENCING NAVD29 DATUM UNLESS OTHERWISE NOTED ON PLAN.
- LIMITED TITLE RESEARCH AND NO PROPERTY SURVEYS WERE CONDUCTED AS PART OF THIS PLAN. ALL PROPERTY BOUNDARIES SHOWN WERE EITHER OBTAINED FROM TOWN OF EATONVILLE GIS, RECORD AIRPORT AREA SURVEYS, AND UNRECORDED PRELIMINARY PLANS. THEREFORE THIS PLAN DOES NOT PURPORT TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IF ANY. THE ENGINEER DOES NOT WARRANT ANY WAY THE LEGAL ACCURACY OF ANY PROPERTY BOUNDARIES DEPICTED IN THIS PLAN.
- PROPOSED DEVELOPMENT PLAN OBTAINED FROM DEVELOPER BY TOWN OF EATONVILLE PLANNING DEPARTMENT.
- SEE AIRPORT LAND USE DRAWING FOR PARCELS SELECTED AS OPTIONAL LOCATIONS FOR AIRCRAFT TIEDOWN FACILITIES.

APPROVED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

WSDOT AVIATION

DECLARED DISTANCE TABLE

	EXISTING	ULTIMATE(U)
RUNWAY	16	34
TORA	2770'	2800'
TODA	3000'	3000'
ASDA	2800'	2800'
LDA	2570'	2800'

REVISIONS

NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

DESIGNED: _____

DESIGN CHECKED: _____

DETAILING: _____

DETAILING CHECKED: _____

FILE NAME: _____

DRAWING DATE: _____

DRAWING SCALE: _____

AS SHOWN: _____

SHEET 1 OF 6

SWANSON FIELD
EATONVILLE, WASHINGTON
AIRPORT LAYOUT PLAN (ALP)

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