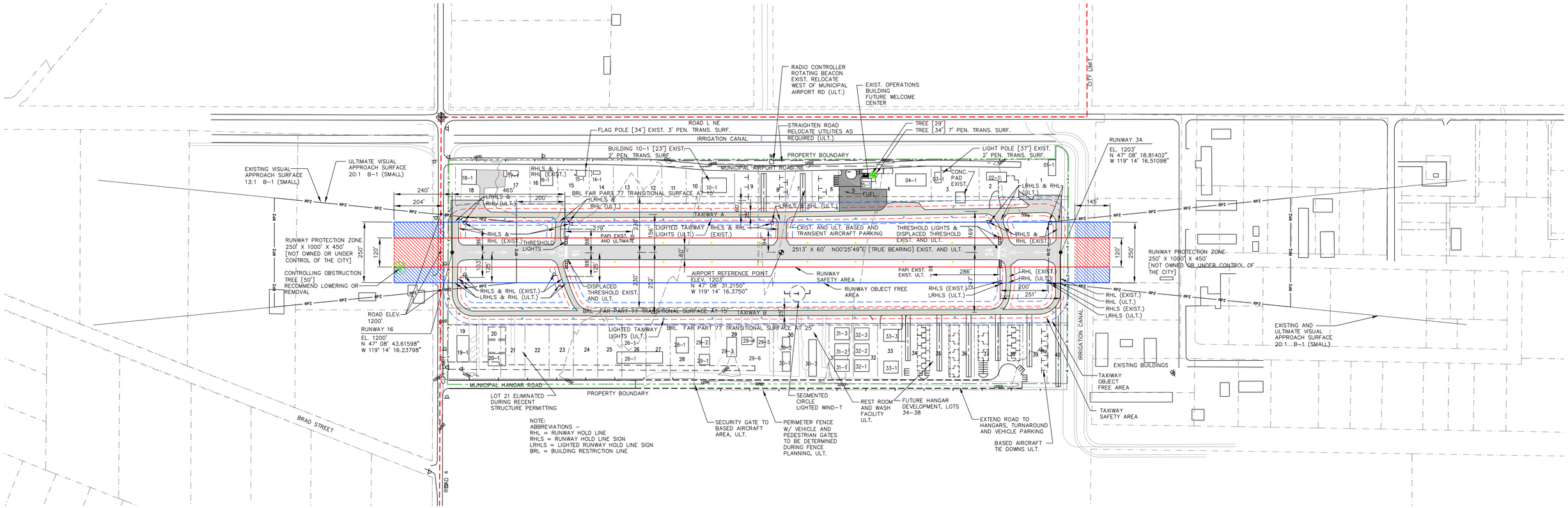

TABLE 1 - LEGEND

SYMBOL	DESCRIPTION
	AIRPORT PROPERTY LINE
	CITY LIMIT
	AIRPORT REFERENCE POINT
	AIRPORT ROTATING BEACON
	RADIO CONTROLLER
	AVIGATION EASEMENT
	EXISTING STRUCTURE
	PLANNED STRUCTURE
P	POWER
	DRAINAGE
X	FENCING
	RUNWAY THRESHOLD LIGHTS
	SECTION CORNER
	SEGMENTED CIRCLE / WIND INDICATOR
	WIND INDICATOR (LIGHTED)
	WIND INDICATOR (UNLIGHTED)
1203	TOPOGRAPHIC LINE
	RUNWAY LIGHTS
	TAXIWAY LIGHTS / REFLECTORS
1	STRUCTURE IDENTIFICATION
	SURVEY MONUMENTS
	PAPI
	BUILDING RESTRICTION LINE (15')
RPZ	RUNWAY PROTECTION ZONE
	RUNWAY SAFETY AREA
	RUNWAY OBJECT FREE AREA
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA
RSA / ROFA	AREAS PAST RUNWAY ENDS WHERE RSA & ROFA DO NOT CONFORM TO FAA STANDARD

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PARTICULAR DRAWING

TABLE 2 - RUNWAY 16-34 DATA

GENERAL	FAA REC. STD.		EXISTING		ULTIMATE	
APPROACH CATEGORY/DESIGN GROUP	Visual / A-1 (SMALL)		Visual / A-1 (SMALL)		Visual / A-1 (SMALL)	
RUNWAY LENGTH/WIDTH	4,000' X 60' 100% OF FLEET		2,513' X 50'		2,513' X 60'	
RUNWAY LIGHTING	MIRL		MIRL		MIRL	
RUNWAY MARKING	BASIC – VISUAL		BASIC – VISUAL		BASIC – VISUAL	
PAVEMENT MATERIAL	ASPHALT		ASPHALT		ASPHALT	
PAVEMENT DESIGN STRENGTH			UNKNOWN		UNKNOWN	
RSA ROFA AND ROFZ BY RUNWAY END						
	FAA REC. STD. (L X W)		EXISTING (L X W)		ULTIMATE (L X W)	
DESIGN ITEM	16	34	16	34	16	34
RUNWAY SAFETY AREA	240' X 120'	240' X 120'	36' X 120'	95' X 120'	36' X 120'	95' X 120'
RUNWAY OBJECT FREE AREA	240' X 250'	240' X 250'	36' X 250'	95' X 250'	36' X 250'	95' X 250'
RUNWAY OBSTACLE FREE ZONE	200' X 250'	200' X 250'	36' X 250'	95' X 250'	36' X 250'	95' X 250'
TAXIWAY			A	B	A	B
TAXIWAY WIDTH	25'		20'	20'	25'	25'
TAXIWAY LIGHTING	REFLECTORS		REFLECTORS	REFLECTORS	LIGHTS	LIGHTS
PER RUNWAY END	16	34	16	34	16	34
APPROACH SURFACE SLOPE	20:1	20:1	13:1	20:1	20:1	20:1
VISUAL AIDS			PAPI	PAPI	PAPI	PAPI

TABLE 3 - AIRPORT STRUCTURES

PARCEL-BLDG.	USE	SIZE	OWNER	PARCEL-BLDG.	USE	SIZE	OWNER	NO.	USE	SIZE	OWNER
1-1	AIRCRAFT HANGAR	30 'X 65'	PRIVATE	19-1	AIRCRAFT HANGAR	50' X 100'	PRIVATE	30-3	AIRCRAFT HANGAR	32' X 150'	PRIVATE
2-1	AIRCRAFT HANGAR	82' X 40'	PRIVATE	20-1	AIRCRAFT HANGAR	50 'X 72'	PRIVATE	31-1	AIRCRAFT HANGAR	60' X 50'	PRIVATE
3-1	AIRCRAFT HANGAR	26' X 44'	PRIVATE	26-1	AIRCRAFT HANGAR	188' X 48'	PRIVATE	31-2	AIRCRAFT HANGAR	60' X 50'	PRIVATE
4-1	AIRCRAFT HANGAR	40' X 30'	PRIVATE	28-1	AIRCRAFT HANGAR	50' X 65'	PRIVATE	31-3	AIRCRAFT HANGAR	60' X 50'	PRIVATE
5-1	OPERATIONS BLDG.	56' X 24'	PUBLIC	29-1	AIRCRAFT HANGAR	42' X 42'	PRIVATE	32-1	AIRCRAFT HANGAR	60' X 50'	PRIVATE
10-1	AIRCRAFT HANGAR	100' X 60'	PRIVATE	29-2	AIRCRAFT HANGAR	32' X 40'	PRIVATE	32-2	AIRCRAFT HANGAR	60' X 50'	PRIVATE
14-1	AIRCRAFT HANGAR	15' X 28'	PRIVATE	29-3	AIRCRAFT HANGAR	40' X80'	PRIVATE	32-3	AIRCRAFT HANGAR	60' X 50'	PRIVATE
15-1	AIRCRAFT HANGAR	38' X 62'	PRIVATE	29-4	AIRCRAFT HANGAR	42' X 30'	PRIVATE	33-1	AIRCRAFT HANGAR	60' X 50'	PRIVATE
16-1	AIRCRAFT HANGAR	50' X 60'	PRIVATE	29-5	AIRCRAFT HANGAR	30' X 40'	PRIVATE	33-3	AIRCRAFT HANGAR	60' X 50'	PRIVATE
17-1	AIRCRAFT HANGAR	32' X 20'	PRIVATE	30-1	AIRCRAFT HANGAR	32' X 80'	PRIVATE				
18-1	AIRCRAFT HANGAR	60 'X 60'	PRIVATE	30-2	AIRCRAFT HANGAR	30' X 40'	PRIVATE				

TABLE 4 - AIRPORT DATA

	EXISTING	ULTIMATE
AIRPORT IDENTIFICATION	W20	
FAA SITE IDENTIFICATION	26305.A	
OWNER	CITY OF MOSES LAKE	
AIRPORT ACREAGE	54.56	
AIRPORT ELEVATION ARP	1203'	
ARP LATITUDE	N 47° 08' 31.2150"	N 47° 08' 31.2150"
ARP LONGITUDE	W 119° 14' 16.3750"	W 119° 14' 16.3750"
RUNWAY 16 END ELEVATION	1200'	1200'
RUNWAY 16 END LATITUDE	N 47° 08' 43.61598"	N 47° 08' 43.61598"
RUNWAY 16 END LONGITUDE	W 119° 14' 16.23798"	W 119° 14' 16.23798"
RUNWAY 34 END ELEVATION	1203'	1203'
RUNWAY 34 END LATITUDE	N 47° 08' 18.81402"	N 47° 08' 18.81402"
RUNWAY 34 END LONGITUDE	W 119° 14' 16.51098"	W 119° 14' 16.51098"
AIRPORT ELECTRONIC AIDS	NONE	
AIRPORT REFERENCE CODE	A-1 (SMALL)	A-1 (SMALL)
DESIGN AIRCRAFT	CESSNA 182	CESSNA 182
NPIAS CATEGORY	NONE	
MEAN/MAX TEMP. HOTTEST MONTH	86.2 DEG. (AUGUST)	

TABLE 5- DECLARED DISTANCES

ELEMENT	RUNWAY 16 EXISTING	RUNWAY 16 ULTIMATE*	RUNWAY 34 EXISTING	RUNWAY 34 ULTIMATE*
TAKE OFF RUN AVAILABLE	0	2,262'	0	2,048'
TAKE OFF DISTANCE AVAILABLE	0	2,293'	0	2,283'
ACCELERATE-STOP DISTANCE**	0	**	0	**
LANDING DISTANCE AVAILABLE	0	2,295'	0	2,032'

* IF APPROVED BY THE FEDERAL AVIATION ADMINISTRATION
** ASDA NOT APPLICABLE TO PISTON-ENGINE AIRCRAFT

TABLE 5 NOTES:
- The declared distances process is intended is intended by the Federal Aviation Administration to be an alternative design method at constrained airports where it is impractical to provide for standard runway safety areas.
- In calculating landing distances available (LDA), the available runway was reduced by 230 feet at the 16 end and 220 feet at the 34 end. The 240' safety area includes the graded area between the end of runway and the fence.
- The existing thresholds have been used for the start of LDA and end of TODA.
- Takeoff Distance Available is shown in the table. Usable takeoff distance available is controlled by obstacles present in the departure area relative to aircraft performance and must be determined before each takeoff.
- FAA has advised that they do not publish declared distances unless standard visual cues are available to advise the pilot of the end of the LDA/beginning of safety area. This includes runway distance to go signs and appropriate edge lighting. Absent that data, the runway length and the displaced threshold lengths will be published.

MAGNETIC NORTH
TRUE NORTH

MAGNETIC DECLINATION
16° 7' EAST
ANNUAL RATE OF CHANGE
0° 9' WEST (JANUARY 2010)

GRAPHIC SCALE

SCALE: 1" = 200'

200' 800'
0 100' 400'

APPROVED BY	DATE
CITY OF MOSES LAKE	
WASHINGTON STATE DEPT. OF TRANSPORTATION, AVIATION DIV.	

PROJECT MGR.	DK
DESIGNED	DK
DRAWN	SW
CHECKED	DK
DATE	JAN 2010

DATE	REVISION	BY

DATE: JAN 2010

AIRSIDE
765 Wonn Road, Suite C-204 Greenbank, WA 98253
(360) 222-3646

PROJECT: MOSES LAKE MUNICIPAL AIRPORT
SHEET TITLE: AIRPORT LAYOUT PLAN

SHEET NO. C1.1B