

Appendix E

**FAA NW Mountain Region
Checklist**

AIRPORT LAYOUT PLAN CHECKLIST

Airports Division, Northwest Mountain Region

Federal Aviation Administration

April 1997

This checklist is recommended for use by consultants, airport sponsors, and FAA Airports District Office (ADO) personnel to help insure that all pertinent information is reflected on the airport layout plan (ALP) set of drawings. This checklist can be used for the small airports as well as for the larger, more complex ones and therefore every drawing or item in the checklist may not apply in all airport situations. However, certain drawings in the checklist are normally required in every case. These include (1) the airport layout plan drawing, (2) the airport airspace drawing, and (3) the inner portion of the approach surface drawing. The need for the other drawings should be decided on a case-by-case basis. This decision as well as the determination as to which of the individual checklist items for each drawing apply to a given airport situation should be made at the time the workscope is prepared for the development of the new or updated ALP. This involves the ADO working closely with the airport sponsor and their consultant to evaluate and reach agreement on the use of the checklist in the ALP project. The individual checklist items as well as the case-by-case drawings that apply to a given airport situation depend on the nature and complexity of the facility and the evaluation during the ALP workscope determination process. If during or after this process, the airport sponsor or their consultant disagrees with the ADO regarding the applicability of any element of the checklist to a given ALP project, they should provide the rationale for any such disagreement to the ADO. The ADO shall determine whether or not the rationale is acceptable and make the appropriate determination. In summary, this checklist can be used as part of the ALP workscope process, during the preparation of the ALP, and in the draft and final ALP reviews.

AIRPORT: Grove Field **LOCATION:** Camas, Washington

SPONSOR/CONSULTANT: WSDOT Aviation Division/W&H Pacific, Inc

DATE: August, 2006

FAA PROJECT MGR: Mary Vargas **DATE:** _____

THIS CHECKLIST WAS COMPLETED FOR (check one):

- ALP Workscope Purposes.
- ALP Preparation Purposes.
- ALP Review Purposes.

Note: Page 16 of this checklist provides specific instructions on its use in terms of checking **YES** or **NO**, with or without **REMARKS**, for each of these purposes.

I. The ALP Set of Drawings.

YES NO REMARKS

1. Normally Required Drawings.

- a. Airport Layout Plan Drawing. (x) () _____
- b. Airport Airspace Drawing. (x) () _____
- c. Inner Portion of the Approach Surface Drawing. (x) () Plan & Profile Sheet

2. Case-by-Case Drawings.

- a. Terminal Area Drawing. () (x) Shown on ALP sheet
- b. Land Use Drawing. (x) () _____
- c. Airport Property Map Drawing, Exhibit "A". () (x) _____

Note: Normally, the airport layout plan drawing and the airport airspace drawing should be presented on separate sheets. The Exhibit "A", if done as part of a new or updated ALP set of drawings, should also be depicted on a separate sheet (or sheets for large airports). The other drawings do not necessarily need to be on separate sheets, depending on scale and size of the drawings.

II. The Airport Layout Plan Drawing.

YES NO REMARKS

1. Features:

- a. Layout of existing & planned facilities & features. (x) () _____
- b. Wind rose & coverage analysis. () (x) Wind data not available for Grove Field
- c. Basic airport & runway data tables. (x) () _____
- d. Legend & building tables. (x) () _____
- e. Title & revision blocks. (x) () _____
- f. Sponsor approval block. (x) () _____
- g. List of approved modifications to FAA airport design standards (with dates), including proposed & planned modification to standards expected to be approved as part of the ALP review & approval process. () (x) None
- h. List of non-standard conditions & proposed disposition on them. (x) () _____

	YES	NO	REMARKS
2. Preparation guidelines:			
a. Sheet size, recommend 22" x 34".	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
b. Scale, recommend between 1"=200' & 1"=600':			
(1) Show graphic scale.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2) Metric conversion table, (optional per Appendix 6, AC 150/5300-13, Airport Design).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Not applicable.</u>
c. North arrow.			
(1) True.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2) Magnetic & year of mag. declin.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(3) North to top or left of drawing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
d. Wind rose. Explain below in Remarks for Data source if wind data not available for ALP wind rose.			
(1) Data source (weather station) & time period covered.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No wind data available</u>
(2) Individual & combined coverage, see paragraph 203b of AC 150/5300-13, Airport Design, for info on wind conditions.			
(a). Rwy's with 10.5 knots crosswind.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
(b). Rwy's with 13 knots crosswind.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
(c). Rwy's with 16 knots crosswind.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
(d). Rwy's with 20 knots crosswind.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
(e). IFR windrose.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
e. Airport reference point (ARP).			
(1). Existing (nearest sec/NAD 83).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2). Ultimate (nearest sec/NAD 83).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
f. Topo info. Ground contours at intervals of 2' to 10', lightly drawn. Show any principle drainage features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

	YES	NO	REMARKS
g. Elevations.			
(1). Runways. Indicate at existing & ultimate ends, displaced thresholds, touchdown zones, rwy intersections, high & low points to nearest 1/10'.	(x)	()	_____
(2). Structures on airport. If terminal area plan drawing is not to be included, show top elevations by using building table & numbering system.	(x)	()	Estimated elevations _____
h. Building restriction line (BRL) & runway visibility zone.	(x)	()	_____
i. Runway details (existing/planned).			
(1). Dimensions (width & length).	(x)	()	_____
(2). Orientation:			
(a). True bearing to nearest 0.01 degree.	(x)	()	_____
(b). Show rwy end numbers.	(x)	()	_____
(3). Lighting (threshold lights).	(x)	()	_____
(4). Marking.	(x)	()	_____
(5). Show stage lengths if new rwy or rwy extension will be developed in stages.	()	(x)	Not applicable _____
(6). Indicate surveyed existing end coordinates (to nearest 0.01 second, NAD 83) & elevations (to nearest 1/10').	(x)	()	_____
(7). Monuments (show location of all survey monuments & reference markers. Include note on how monuments are protected).	()	(x)	Not available _____
(8). Declared distances for each runway direction. Identify any clearway/stopway portions in the declared distances & any rwy portions not included in the declared distances. Depict appropriate details in separate drawing, if needed.	(x)	()	_____
(9). Any displaced thresholds.	(x)	()	_____

	YES	NO	REMARKS
(10). Any relocated thresholds.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Future Runway 25
(11). Any clearways.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
(12). Any stopways.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
(13). Separation dimensions from BRL and any parallel rwys.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
j. Object free areas (OFAs).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
k. Runway safety areas (RSAs).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
l. Obstacle free zones (OFZs).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
m. Threshold siting surface may be depicted with dimensions to facilitate identifying object penetrations. Print "No threshold siting surface object penetrations" when no object penetrates the threshold siting surface. Otherwise, identify the object, show the amount of object penetrations, & indicate in a note how they will be eliminated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Threshold siting surface shown on plan and profile sheet
n. Runway protection zone (RPZ) details per paragraph 212, Table 2-4, & Figure 2-3 of AC 150/5300-13, Airport Design.			
(1). Depict size with dimensions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
(2). Airport interest in RPZ (fee, easement, or non-airport). Indicate by note with arrow to each RPZ or with appropriate legend symbol.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
(3). For each RPZ, indicate in a note the approach visibility minimums & aircraft served (i.e., small aircraft, aircraft approach Cat A & B, aircraft approach Cat C & D, or all aircraft).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
(4). Land uses in RPZ. Show any residences & places of public assembly & indicate by note how they will be removed. Depict any roads, railroads, or waterways.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
o. Holding position signs & markings. Show distance from rwy centerline.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
p. Taxiway details (existing/planned).			
(1). Dimensions (width & length).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	YES	NO	REMARKS
(2). Separation dimensions parallel runways and taxiways	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(3). Clearance dimensions to objects, including aircraft parking areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
q. Apron details (existing/planned).			
(1). Dimensions (width & length).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2). Aircraft parking arrangement.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(3). Any taxilanes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
r. Nav aids & landing light systems (existing/planned).			
(1). Location & type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2). Critical areas outlined with dimensions.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
s. Terminal area (existing/planned).			
(1). Show & identify all main structures. Also show & identify by using building table & numbering system if no terminal area plan drawing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2). Hangar areas & related taxiways.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(3). Auto parking & entrance roads.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
t. Wind cone/tee & segmented circle.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
u. Any weather equipment (e.g., ASOS including related critical areas).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
v. Airport service roads.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
w. Airport fencing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
x. Airport property lines & easements (existing/planned).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
y. Airport data table (existing/ultimate).			
(1). Airport elevation (nearest 1/10').	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2). Airport reference point, latitude & longitude, nearest sec/NAD 83.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(3). Mean daily max temperature.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(4). Combined wind coverage, VFR/IFR (%).			No wind information available
(5). Airport magnetic variation & date.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

	YES	NO	REMARKS
(6). Airport reference code (ARC) for most demanding aircraft accommodated at the airport.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(7). NPIAS service level (GA, RL, CS, or PCS).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(8). Taxiway lighting.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Reflectors in future
(9). Taxiway marking.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(10). Airport & terminal nav aids.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(11). Others (indicate in Remarks).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
z. Runway data table for each runway end (existing/ultimate).			
(1). Approach visibility minimums. (Include designated or planned. Indicate V, 1 mile, 3/4 mile, 1/2 mile, CAT II, or CAT III).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2). FAR Part 77 approach slope.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(3). Dimensions (width & length).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(4). Pavement type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(5). Pavement design strength.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(6). Lighting.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(7). Marking.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(8). Percent gradient.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(9). Max grade within rwy length.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not in scope
(10). Line of sight requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(11). Percent wind coverage.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Data Not Available
(12). Visual approach aids (e.g., VASI, REIL, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(13). Instrument approach aids (e.g., ILS, localizer, etc.).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable
(14). Airport reference code (ARC) for the runway.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(15). Identify the critical aircraft. If more than one critical aircraft involved, then identify further as follows:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(a). Critical aircraft by wingspan.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

	YES	NO	REMARKS
(b). Critical aircraft by approach speed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
(c). Critical aircraft by weight.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(16). Length of haul if critical aircraft over 60K lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
(17). RSA dimensions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(18). OFA dimensions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(19). OFZ. Specify "No OFZ object penetrations" when no object other than frangible nav aids penetrates the OFZ.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(20). Surveyed end coordinates (to nearest 0.01 second), NAD 83.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(21). Runway elevations (to nearest 1/10').			
(a). Existing end.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(b). Ultimate end.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(c). Displaced threshold.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(d). Touchdown zone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
(e). Runway intersections.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No intersections
(f). High & low points.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Called out in drawing
(22). Declared distances for each runway direction.			
(a). TORA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(b). TODA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(c). ASDA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(d). LDA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(23). Others (indicate in Remarks).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
aa. Legend table. Use standard symbols. (existing/ultimate).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
bb. Building table, identify by number & description. Show top bldg. elevations if no terminal area drawing (existing/ultimate).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Elevations estimated
cc. Location & vicinity maps.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On cover sheet
dd. Title & revision blocks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
ee. Approval block.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

III. Airport Airspace Drawing.

1. Includes:

- a. Plan view of FAR Part 77 Subpart C surfaces based on ultimate runway lengths.
- b. Profile views of FAR Part 77 Subpart C approaches (existing/ultimate).
- c. Obstruction data tables, as appropriate.

YES	NO	REMARKS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shown on plan/profile sheet
<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

2. Preparation guidelines:

- a. Sheet size, recommend same as ALP drawing.
- b. Scale, recommend 1"=2000' for plan view. 1"=1000' (horizontal) & 1"=100' (vertical) for approach profiles.
- c. Title & revision blocks (same format as ALP drawing).
- d. Plan view details.
 - (1). Use current USGS 7 1/2 minute Quad for base map when available (highlight lat. & long. grid tick marks on map for plotting purposes). Show area under all applicable FAR Part 77 airport imaginary surfaces.
 - (2). Show rwy end numbers.
 - (3). 50' elevation contours on all sloping imaginary surfaces.
 - (4). When horizontal &/or conical surfaces overlap the approach surface, show the most demanding one with solid lines, the others with dashed lines.

<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plan view scale is 1"=1000'
<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

	YES	NO	REMARKS
(5). Show objects by number & give top elevations of any of them that are obstructions. Add note referring to inner portion of the approach surface drawing for details on any close-in approach obstructions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Top elevations are shown in data table</u>
(6). For precision instrument approaches, show entire 50,000' approach surface (may show outer portions on separate sheet).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No PIR</u>
(7). Include a note on any height or slope protected by local zoning ordinance.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>_____</u>
(8). Identify land uses in the FAR Part 77 area, especially those incompatible with normal airport operations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>See land use plan.</u>
(9). RPZ based on ultimate runway lengths.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>_____</u>
(10). Airport property lines & easements (existing/ultimate).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>See land use plan</u>
e. Approach profile details.			
(1). Depict ground profile representing the <u>composite</u> profile based on highest terrain across width & along length of the approach surface.	<input type="checkbox"/>	<input type="checkbox"/>	<u>All approach profile details are shown on the approach plan and profile sheet. Refer to section IV.</u>
(2). Show all obstructions by number plus any other significant objects within the approach surfaces with their top elevations.	<input type="checkbox"/>	<input type="checkbox"/>	<u>See note above</u>
(3). Show existing & ultimate rwy ends & FAR Part 77 approach surfaces.	<input type="checkbox"/>	<input type="checkbox"/>	<u>See note above</u>
(4). Depict threshold siting surface slope for threshold siting requirements per Appendix 2 of AC 150/5300-13, Airport Design, if applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<u>See note above</u>

	YES	NO	REMARKS
f. Show profile of entire runway if space available on sheet. As minimum, show end elevations & high/low points (to nearest 1/10').	()	()	See note above _____
g. Obstruction data tables details.			
(1). List all obstructions shown in the plan & profile views.	(x)	()	_____
(2). Identify obstructions by numbers used in plan & profile views & provide description, amount of FAR Part 77 Subpart C surface penetrations (indicate which surface involved, such as horizontal, conical, primary, etc.), & proposed disposition of the obstruction, including no action.	(x)	()	_____
(3). If there are any close-in obstructions in the approach areas, include a note referring to the obstruction tables on the inner portion of the approach surface drawing.	(x)	()	_____

IV. Inner Portion of the Approach Surface Drawing.

	YES	NO	REMARKS
1. Includes:			
a. Large scale plan view of the existing & ultimate inner portion of the approach area for each runway end. Usually limited to the area out to where the approach surface reaches 100' height above the rwy end.	(x)	()	_____
b. Profile view of the existing & ultimate inner portion of the approach area for each runway end.	(x)	()	_____
c. Obstruction tables for the existing & ultimate inner portion of the approach area for each runway end.	(x)	()	_____

	YES	NO	REMARKS
2. Preparation Guidelines:			
a. Sheet size, recommend same as ALP drawing.	(x)	()	_____
b. Scale, recommend horizontal 1"=200' & vertical 1"=20'.	(x)	()	<u>Horizontal scale is 1"=200', Vertical scale is 1"=50'</u>
c. Title & revision blocks (same format as ALP drawing).	(x)	()	_____
d. Plan view details.			
(1). Aerial photos for base maps when available.	(x)	()	_____
(2). Show obstructions. Also, use numbering system & describe in table.	(x)	()	_____
(3). Depict airport property lines in area.	(x)	()	_____
(4). Show elevations & clearances for any roads, railroads, & waterways at the approach surface edges & extended rwy centerline. Number these points & key them to profile view & obstruction table, as appropriate.	(x)	()	<u>Estimated elevations</u>
(5). Depict ends of runways, stopways, clearways, safety areas, & object free areas (existing/ultimate).	(x)	()	_____
(6). Show ground contours drawn lightly.	(x)	()	_____
(7). Show existing/ultimate approach & any departure RPZs.	(x)	()	<u>Not applicable</u>
(8). Indicate existing/ultimate FAR Part 77 approach slopes.	(x)	()	_____
e. Profile view details.			
(1). Depict the ground profile representing the <u>composite</u> profile based on the highest terrain across the width & along the length of the inner portion of the approach surface. Also, show significant features regardless of whether they are obstructions (e.g., fences, stream beds, etc.).	(x)	()	_____

	YES	NO	REMARKS
(2). Identify obstructions with numbers used on plan view & keyed to obstruction table.	(x)	()	_____
(3). Depict cross-section of any roads, railroads, & waterways where they intersect outer edges of approach surface.	(x)	()	_____
(4). Show existing & ultimate FAR Part 77 approach slope.	(x)	()	_____
(5). Depict threshold siting surface slope for threshold siting requirements per Appendix 2 of AC 150/5300-13, Airport Design, if applicable.	(x)	()	_____
f. Obstruction table details			
(1). Separate table for each existing & ultimate approach surface. Specify type & slope of FAR Part 77 approach surface.	(x)	()	_____
(2). Identify obstructions by numbers used in plan & profile views & provide description, amount of approach surface penetration, & proposed disposition of the obstructions, including no action.	(x)	()	_____

VI. Land Use Drawing.

	YES	NO	REMARKS
1. Drawing depicts existing & recommended land uses within and outside the existing & ultimate airport property. Off airport land uses should be shown to at least the outer boundary of the 65 DNL area. Land uses should be depicted by general use categories (e.g., agricultural, recreational, industrial, commercial, etc.).	(x)	()	Noise contours not included in scope of work _____
2. Provides plan for leasing revenue producing areas on the airport, for guidance on compatible land uses in close proximity to runways, for line of sight between rwy ends & within rwy visibility zones, & for guidance to local authorities for establishing appropriate zoning in the airport environs.	(x)	()	_____

	YES	NO	REMARKS
3. Preparation guidelines:			
a. Sheet size, recommend same as ALP drawing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
b. Scale, recommend same as ALP drawing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
c. Title and revision blocks (same format as ALP drawing).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
d. Base map. Aerial photo when available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
e. Legend. Use standard drafting symbols to show existing & recommended land uses by general category. Use notes to identify the existing and recommended land uses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
f. Public facilities & other uses in the airport environs.			
(1). Indicate all major existing & recommended land uses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2). Depict the location of all public facilities (e.g., schools, hospitals, parks, etc.).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
(3). Show governmental jurisdictional boundaries.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
(4). Indicate established flight tracks.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not in scope
(5). Show current noise contours, if available (give date of data used for the contours).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not in scope
g. Airport drawing details.			
(1). Normally limited to the primary existing and future airport features (rwys, txys, aprons, RPZs, terminal bldgs, & nav aids).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
(2). Show enough details to determine aeronautical areas versus non-aeronautical areas & to determine limit lines for areas to be kept in grass or limited to low growing crops.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
h. Show in the drawing and/or describe in airport drawing details.			

	YES	NO	REMARKS
2. Definition: The Exhibit "A" is a document unique to the AIP. It should not be confused with a Property Plan or Plot Plan. As a minimum, the Exhibit "A" must show the current airport boundary compiled from deed research, available mapping/surveys, & field verification, as required. Physical survey of boundaries is generally not required. In those instances where field survey may be considered necessary, the property line & runways should be tied to the State grid system. Requests for participation in field surveys will be considered on a case by case basis. Standards for precision & accuracy would be part of this review. All of above has been considered.	()	(x)	<u>Not Applicable</u>
3. General preparation guidelines:			
a. Recommend sheet size same as ALP drawing. This drawing must be on a separate sheet.	()	(x)	<u>Not Applicable</u>
b. Title & revision blocks (same format as ALP drawing). Clearly label as <u>Exhibit "A"</u> Airport Property Map.	()	(x)	<u>Not Applicable</u>
c. Legend. Use standard drafting symbols.	()	(x)	<u>Not Applicable</u>
4. Specific Exhibit "A" required items:			
a. A clear identification of the outside airport property boundary.	()	(x)	<u>Not Applicable</u>
b. Each parcel making up the entire airport must be shown & numbered. In addition, parcels which were once airport property must also be shown. Leased areas should not be shown.	()	(x)	<u>Not Applicable</u>
c. Both fee & easement interests must be shown & separately designated.	()	(x)	<u>Not Applicable</u>
d. Delineate runways, taxiways, RPZs, RSAs, OFAs, aprons, BRLs, terminal buildings, & nav aids (existing/planned).	()	(x)	<u>Not Applicable</u>

	YES	NO	REMARKS
e. Magnetic & true north arrows.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Not Applicable</u>
f. Each line type which identifies airport boundary, parcel boundary, RPZs, BRLs, easements, etc. must be clearly shown in the legend.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Not Applicable</u>
g. The plan view with related data table and/or notes must show an inventory of all parcels by number, including the grantor, grantee, type of interest, acreage, book & page, & date of recording. They must also show FAA project number if acquired under a grant; PFC application number if acquired with Passenger Facility Charges; Surplus Property Transfer or AP-4 Agreement if applicable; type of easement (clearing, avigation, utility, right of way, etc.); and if released, date of FAA approval.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Not Applicable</u>
h. The purpose of acquisition if acquired under a Federal grant (approach protection, aeronautical, noise compatibility, current or future development) based on the grant description must be indicated plus any special conditions.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Not Applicable</u>
i. If the Exhibit "A" is being prepared for submittal as part of a land acquisition project, the parcels being acquired must also be shown.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Not Applicable</u>
j. The Exhibit "A" must be drawn to scale, all information must be on one sheet if possible, & should be no larger than the ALP drawing sheet size & be legible. There should be an index sheet if the Exhibit "A" involves several sheets for the larger airports.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Not Applicable</u>
k. The Exhibit "A" must be dated & amended whenever there is a change to any airport property.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Not Applicable</u>

	YES	NO	REMARKS
l. There should be sufficient descriptive data (i.e., section, township & range, lot & block, metes & bounds) to enable accurate location of current & future parcels on the drawing.	()	(x)	<u>Not Applicable</u>
m. Points of reference for tracing parcels from a deed description by scaling should be shown. As new parcels are acquired, the Exhibit "A" should add their associated bearings & lengths to enable quick confirmation of the parcel's location.	()	(x)	<u>Not Applicable</u>
n. Perimeter fencing, only if it does not obscure airport boundary lines.	()	(x)	<u>Not Applicable</u>

References:

The ALP checklist above is based primarily on Appendix 7 of AC 150/5300-13, Airport Design, including changes 1 through 5. Change 5 is dated 2/14/97. Appendix 7 covers ALP components and preparation. The Airport Property Map (Exhibit "A") component of the ALP checklist is based primarily on AC 150/5100-17, Land Acquisition And Relocation Assistance For Airport Improvement Program Assisted Projects, dated 3/29/96.