

7. Airport Layout Plan

7.1. Introduction

This section presents information about the updated ALP drawing sheets for VRB. These drawings graphically present the existing and future facilities. The ALP serves three primary purposes:

- To preserve areas needed for intermediate and long-term facility development, showing the airport facility at the end of the planning period (20 years) and beyond.
- To review FAA design standards in detail to assure that appropriate clear areas are protected.
- To provide an opportunity for the various divisions of the FAA to review the set of drawings so development requirements of each branch are considered to ensure the proposed development does not adversely affect the safety, utility, and efficiency of the airport or surrounding airspace.

The FAA uses the approved ALP as the “plan on file” to protect the airspace when reviewing proposed development around the airport. As development is implemented, the airport sponsor should include an update to the ALP as part of the project to meet the FAA’s grant assurance requirement of maintaining a current ALP.

The VRB ALP drawing set includes sheets that show the existing and proposed future facilities at the airport, as well as the airport within the surrounding community. A half-size set (11 by 17 inches) of the ALP set has been included for reference in **Appendix I**. The ALP includes:

- Cover Sheet
- Airport Data Sheets
- Existing Airport Layout Drawing
- Future Airport Layout Drawing
- Airport Airspace Drawing
- Airport Airspace Obstruction Data Tables
- Terminal Area Drawings
- Inner Portion of the Approach Surface Drawings
- Inner Portion of the Approach Surface Obstruction Data Tables
- Departure Surface Drawings
- Departure Surface Obstruction Data Tables
- Runway Centerline Profile Drawings
- Airport Land Use Drawing
- Airport Traffic Control Tower Line-of-Sight Sheet

In addition to the ALP set, an updated Airport Property Map was completed as a separate document. A half-size set (11 by 17 inches) of the Airport Property Map has been included for reference in **Appendix J**. The Airport property Map set includes:

- Cover Sheet
- Airport Property Map
- Airport Property Map Parcel Data Sheets

The development of a future vertiport is shown on VRB Future Airport Layout Drawing. With the ongoing development of industry guidance in the planning of vertiports and to assist in streamlining the FAA's review of the ALP set, a Vertiport Layout Plan set was prepared as a standalone document. A half-size set (11 by 17 inches) of the Vertiport Layout Plan set has been included for reference in **Appendix K**. The Vertiport Layout Plan set includes:

- Cover Sheet
- Vertiport Data Sheet
- Future Vertiport Layout Plan
- Future Vertiport Approach/Departure Surface Sheets
- Vertiport Obstruction Data Tables

7.2. Description of Sheets

Airport Layout Plan

Full-size drawings should be referred to when analyzing specific development issues. The following overviews the purpose of each drawing of the ALP set.

Cover Sheet: A sheet with airport name, date, location map, vicinity map, and approval-signature blocks. The ALP approval letter, once received from the FAA, is affixed to this sheet.

Airport Data Sheets: The data sheets that contain a summary of airport data, runway and approach data, taxiway data, and wind rose information.

Existing Airport Layout Drawing: A sheet depicting the current detailed information for VRB.

Future Airport Layout Drawing: A sheet that provides detailed information about the future development at VRB.

Airport Airspace Drawing: A drawing that shows obstacle identification surfaces for the ultimate development, as defined in *FAR Part 77: Objects Affecting Navigable Airspace*.

Airport Airspace Obstruction Data Table Sheets: Sheets identifying all objects evaluated for airspace surfaces that do not appear on one of the Inner Portion of Approach Surface Drawings and Obstruction Data Sheets.

Terminal Area Drawings: These drawings depict the existing and proposed terminal area development for the multiple terminal and landside development areas on the airport. The development is shown at a larger scale than the future airport layout drawing. New taxiways, hangar development, and other additional future projects are depicted.

Inner Portion of Approach Surface Drawings: Drawings containing the plan and profile views of the inner portion of the approach surface including FAR Part 77 approach surface, FAA AC 150/53000-13B, threshold siting and vertical guidance surface as applicable for Runways 12R/30L, 12L/30R and 4/22

Inner Portion of Approach Surface Obstruction Data Table Sheets: Sheets identifying all objects evaluated for Runways 12R/30L, 12L/30R and 4/22 for the FAR Part 77 approach surface, FAA AC 150/5300-13B threshold siting and vertical guidance surfaces.

Departure Surface Drawings: Drawings depicting the applicable departure surfaces for Runways 12R/30L, 12L/30R and 4/22 for instrument departures. While Runway 12L/30R does not have any instrument approaches, it could be used for an instrument departure, so it was included in the evaluation.

Runway Profile Drawings: Drawings depicting the runway centerline profile and the clear line-of-sight along the length of Runways 12R/30L, 12L/30R and 4/22.

Airport Land Use Drawing: A drawing showing the land uses on and around the airport.

Airport Traffic Control Tower Line-of-Sight Sheet: This drawing depicts the allowable height of development to maintain a clear line-of-sight from the airport traffic control tower to the movement areas where aircraft are under air traffic control service on VRB.

Airport Property Map

The following sheets are part of the VRB Airport Property Map.

Cover Sheet: A sheet with airport name, date, location map, vicinity map, and approval-signature blocks.

Airport Property Map: A drawing showing parcels of existing and future airport-owned land and easement prepared as the Exhibit 'A' property map

Airport Property Map Parcel Data: Multiple pages of data tables documenting airport owned land and easements, future proposed land and easement acquisition and property that was owned by the airport but has been released and sold.

Vertiport Layout Plan

The vertiport layout plan set of drawings is similar in content to the ALP, but it is focused only the vertiport.

Cover Sheet: A sheet with airport name, date, location map, vicinity map, and approval-signature blocks. The vertiport plan approval letter, once received from the FAA, is affixed to this sheet.

Vertiport Data Sheet: The data sheets that contain a summary of vertiport data.

Future Vertiport Layout Drawing: A sheet that provides detailed information about the future development of the vertiport. This sheet also includes line-of-sight contours from the airport traffic control tower.

Inner Portion of Approach Surface Drawings: Drawings containing the plan and profile views of the inner portion of the approach surfaces for planned west and south approaches.

Inner Portion of Approach Surface Obstruction Data Table Sheets: Sheets identifying all objects evaluated for the west and south approaches.

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