



# **RUNWAY 03/21 FAA DESIGN STANDARDS AND GRAPHICS**



As shown in Figure A-1 (page A-3), the project includes:

- Removal of 300-foot displaced thresholds on Runway 03/21
- Acquisition of seven parcels or portions of parcels to comply with FAA obstacle free area clearance requirements
- Relocation of Taxiway 'A' from 200 feet to 300 feet of separation from runway centerline
- Addition of 11,500 square yards of apron between the existing general aviation ramp and the aircraft rescue and firefighting (ARFF) building on the east side to replace the apron lost because of the relocation of Taxiway 'A'
- Realignment of Taxiway 'F' at the Runway 03 end to remove the angled taxiway

This project leaves HXD in its current configuration, avoiding projects that would result in land disturbances and/or construction impacts extending beyond the control of the existing airport boundary. The property, acquired to bring the taxiways to standard separation and clear the Runway 21 obstacle free area (OFA), is needed to comply with FAA clearance requirements.

Projects that resolve FAA safety matters are implemented to the extent that modifications of FAA airport planning and design standards are avoided. Safety deficiencies based on current FAA standards would be corrected as a result of this project. Overall, this project results in increasing the available runway landing length to 4,300 feet of usable runway.

Table A-1 (page A-4) outlines the preliminary estimate of probable construction costs for correcting the deficiencies of current FAA standards.

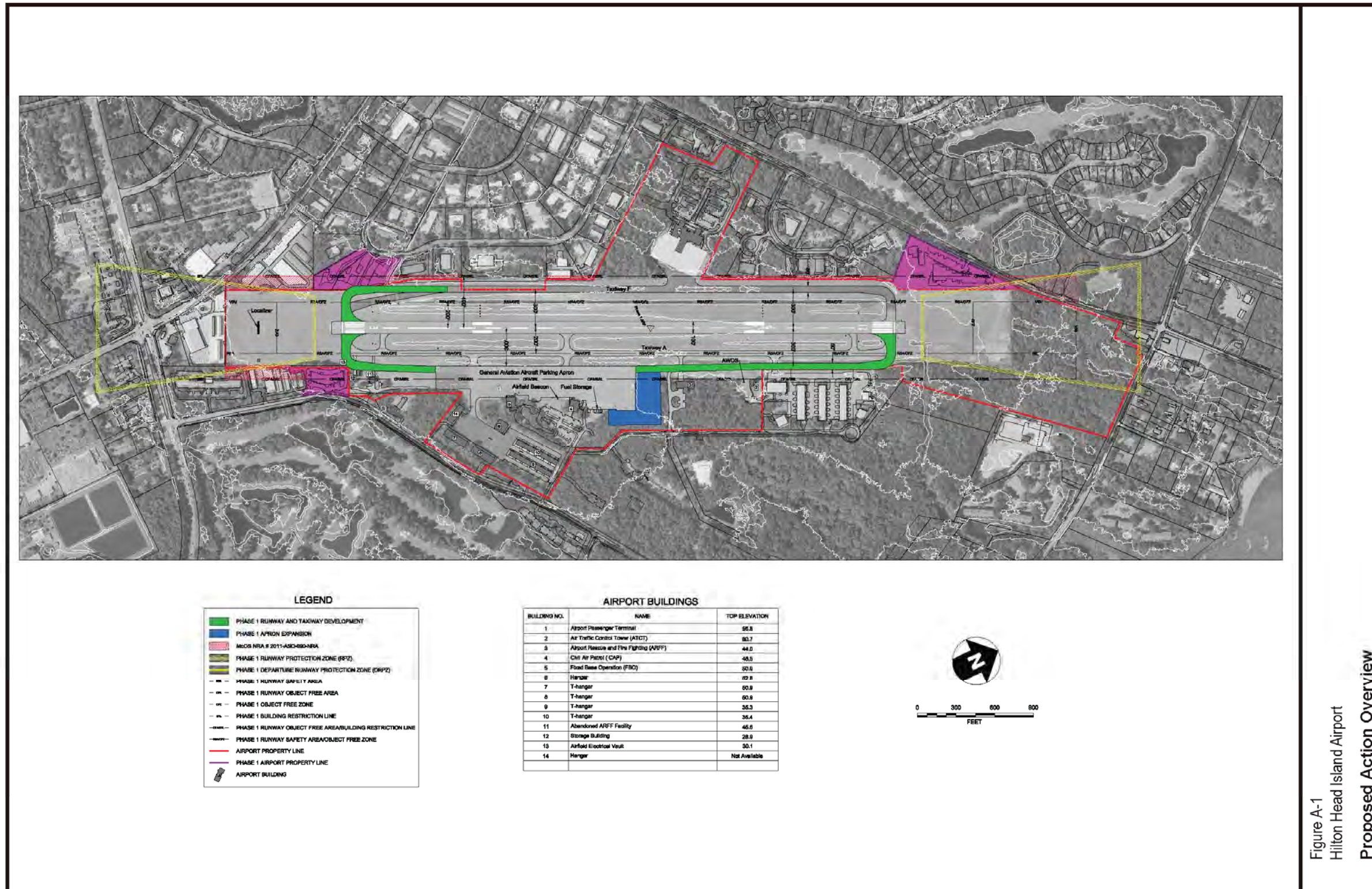


Figure A-1  
Hilton Head Island Airport  
Proposed Action Overview



**Table A-1**  
**FAA Design Standards**  
**Preliminary Estimate of**  
**Probable Construction Costs**  
**Hilton Head Island Airport**

	<b>Local</b>	<b>State</b>	<b>Federal</b>	<b>Total</b>
Property Acquisition	\$870,000	\$0	\$7,830,000	\$8,700,000
Construction	\$210,000	\$210,000	\$3,780,000	\$4,200,000
<b>TOTAL</b>	<b>\$1,080,000</b>	<b>\$210,000</b>	<b>\$11,610,000</b>	<b>\$12,900,000</b>

Source: Talbert & Bright, Inc. (2010), "Hilton Head Island Airport Master Plan Update Final Report," prepared for Beaufort County and approved by the FAA November 16, 2011.  
Updated November 25, 2013.



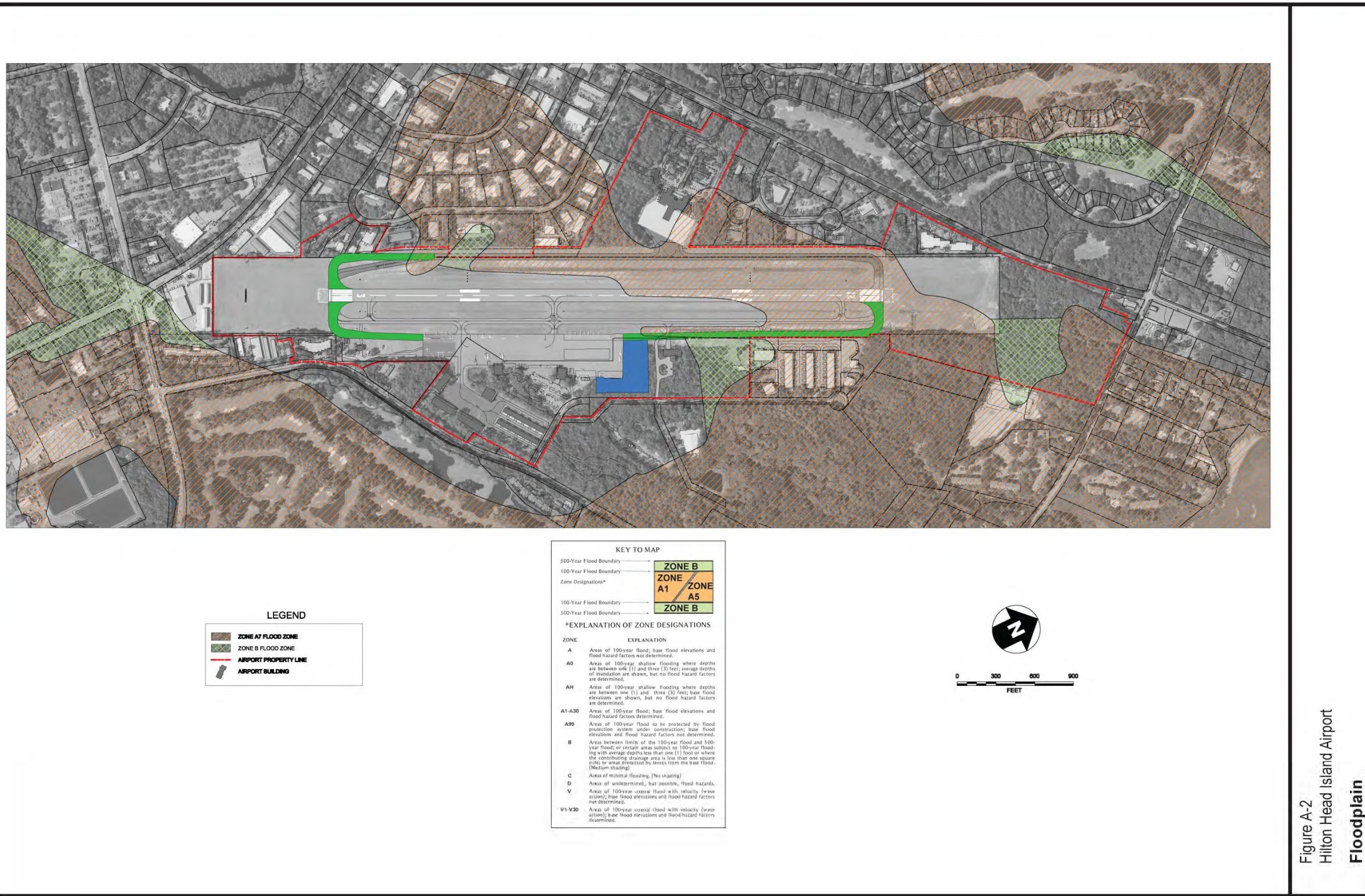


Figure A-2  
Hilton Head Island Airport  
Floodplain



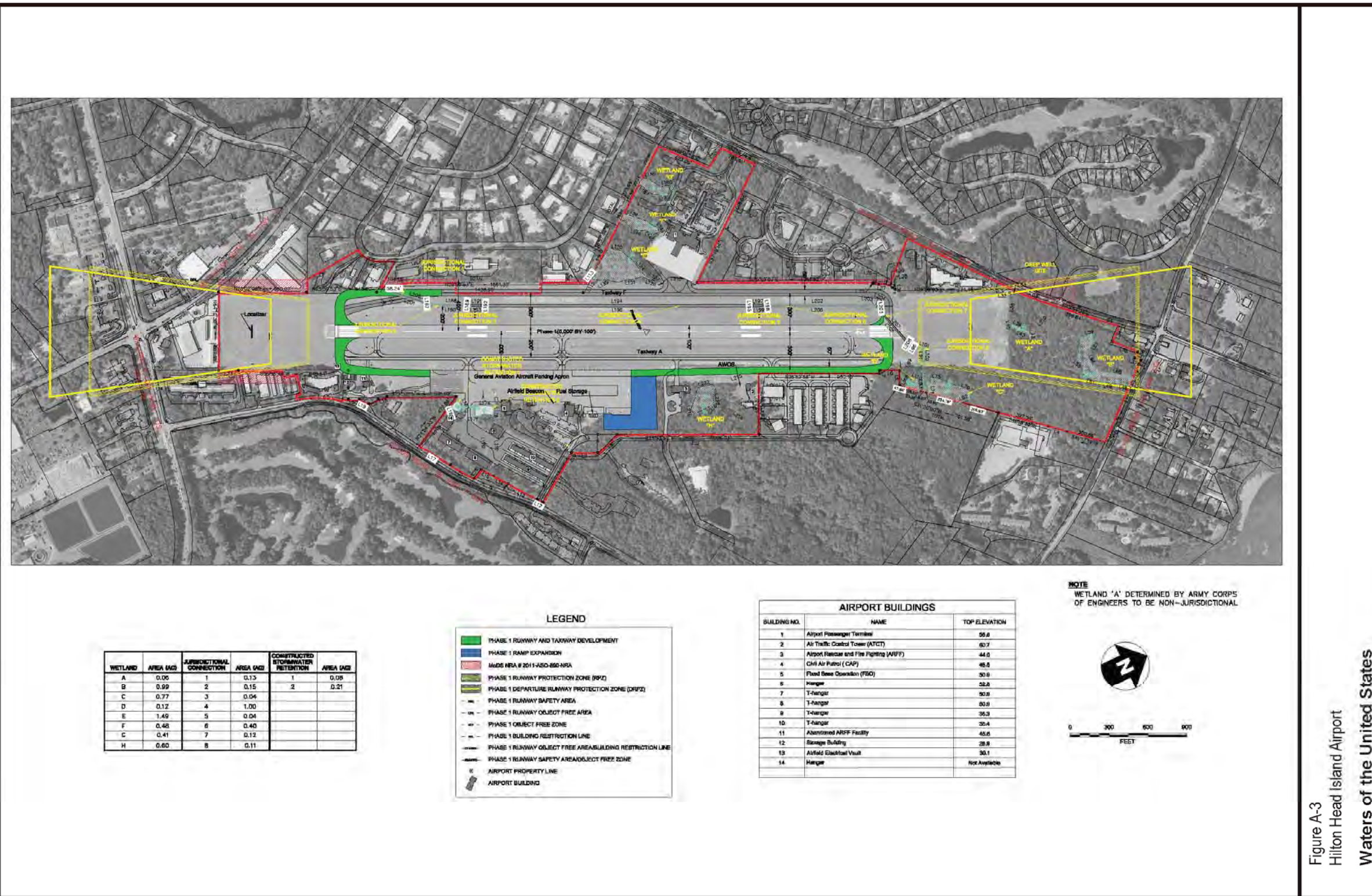


Figure A-3  
Hilton Head Island Airport  
Waters of the United States