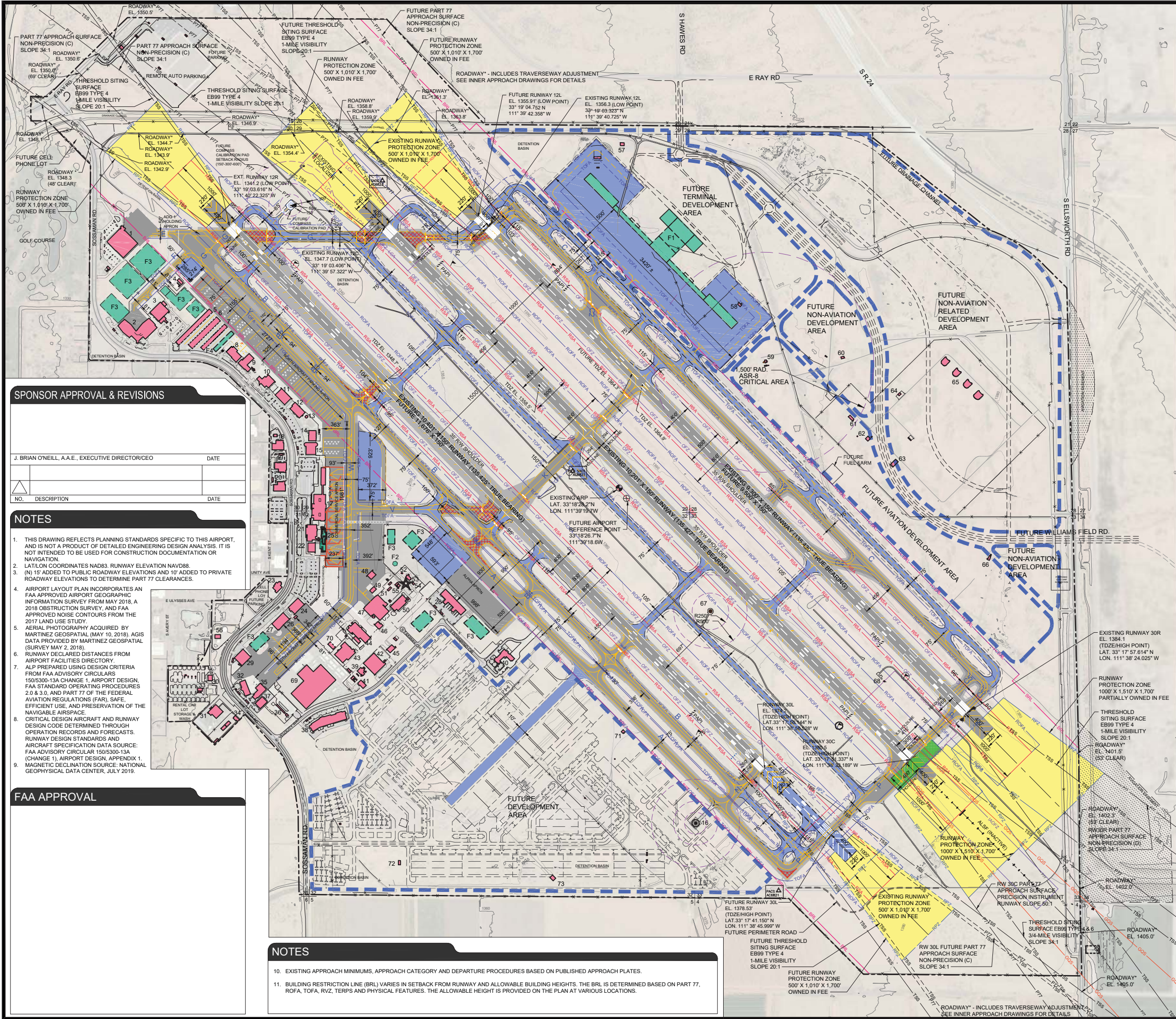


# APO TERMINAL AREA FORECAST DETAIL REPORT

## Forecast Issued March 2022

IWA

| AIRCRAFT OPERATIONS                           |             |          |           |                      |                     |        |          |         |                  |          |         |           |                  |                |
|-----------------------------------------------|-------------|----------|-----------|----------------------|---------------------|--------|----------|---------|------------------|----------|---------|-----------|------------------|----------------|
| Enplanements                                  |             |          |           | Itinerant Operations |                     |        |          |         | Local Operations |          |         | Total Ops | Total Tracon Ops | Based Aircraft |
| Fiscal Year                                   | Air Carrier | Commuter | Total     | Air Carrier          | Air Taxi & Commuter | GA     | Military | Total   | Civil            | Military | Total   |           |                  |                |
| REGION:AWP STATE:AZ LOCID:IWA                 |             |          |           |                      |                     |        |          |         |                  |          |         |           |                  |                |
| CITY:PHOENIX AIRPORT:Phoenix/Williams Gateway |             |          |           |                      |                     |        |          |         |                  |          |         |           |                  |                |
| 2021*                                         | 736,364     | 3        | 736,367   | 13,027               | 41,542              | 47,402 | 2,461    | 104,432 | 144,482          | 2,163    | 146,645 | 251,077   | 0                | 126            |
| 2022*                                         | 809,362     | 59       | 809,421   | 13,626               | 42,950              | 50,271 | 2,461    | 109,308 | 148,373          | 2,163    | 150,536 | 259,844   | 0                | 126            |
| 2023*                                         | 889,775     | 71       | 889,846   | 14,979               | 44,390              | 53,095 | 2,461    | 114,925 | 150,015          | 2,163    | 152,178 | 267,103   | 0                | 128            |
| 2024*                                         | 926,088     | 75       | 926,163   | 15,315               | 45,868              | 55,920 | 2,461    | 119,564 | 151,675          | 2,163    | 153,838 | 273,402   | 0                | 132            |
| 2025*                                         | 949,376     | 78       | 949,454   | 15,670               | 46,317              | 58,744 | 2,461    | 123,192 | 153,353          | 2,163    | 155,516 | 278,708   | 0                | 134            |
| 2026*                                         | 971,060     | 80       | 971,140   | 15,971               | 46,774              | 61,568 | 2,461    | 126,774 | 154,120          | 2,163    | 156,283 | 283,057   | 0                | 136            |
| 2027*                                         | 994,069     | 82       | 994,151   | 16,188               | 47,236              | 61,753 | 2,461    | 127,638 | 154,890          | 2,163    | 157,053 | 284,691   | 0                | 138            |
| 2028*                                         | 1,017,837   | 84       | 1,017,921 | 16,404               | 47,708              | 61,938 | 2,461    | 128,511 | 155,665          | 2,163    | 157,828 | 286,339   | 0                | 140            |
| 2029*                                         | 1,040,753   | 86       | 1,040,839 | 16,599               | 48,185              | 62,123 | 2,461    | 129,368 | 156,443          | 2,163    | 158,606 | 287,974   | 0                | 142            |
| 2030*                                         | 1,063,445   | 88       | 1,063,533 | 16,788               | 48,667              | 62,309 | 2,461    | 130,225 | 157,225          | 2,163    | 159,388 | 289,613   | 0                | 144            |
| 2031*                                         | 1,086,414   | 90       | 1,086,504 | 16,984               | 49,154              | 62,496 | 2,461    | 131,095 | 158,011          | 2,163    | 160,174 | 291,269   | 0                | 146            |
| 2032*                                         | 1,110,107   | 92       | 1,110,199 | 17,196               | 49,645              | 62,683 | 2,461    | 131,985 | 158,801          | 2,163    | 160,964 | 292,949   | 0                | 148            |
| 2033*                                         | 1,133,467   | 94       | 1,133,561 | 17,407               | 50,141              | 62,871 | 2,461    | 132,880 | 159,595          | 2,163    | 161,758 | 294,638   | 0                | 150            |
| 2034*                                         | 1,157,295   | 96       | 1,157,391 | 17,627               | 50,643              | 63,059 | 2,461    | 133,790 | 160,393          | 2,163    | 162,556 | 296,346   | 0                | 152            |
| 2035*                                         | 1,181,401   | 98       | 1,181,499 | 17,852               | 51,149              | 63,248 | 2,461    | 134,710 | 161,195          | 2,163    | 163,358 | 298,068   | 0                | 154            |
| 2036*                                         | 1,205,460   | 100      | 1,205,560 | 18,075               | 51,661              | 63,438 | 2,461    | 135,635 | 162,001          | 2,163    | 164,164 | 299,799   | 0                | 156            |
| 2037*                                         | 1,228,233   | 102      | 1,228,335 | 18,287               | 52,177              | 63,628 | 2,461    | 136,553 | 162,811          | 2,163    | 164,974 | 301,527   | 0                | 158            |
| 2038*                                         | 1,251,010   | 104      | 1,251,114 | 18,504               | 52,699              | 63,818 | 2,461    | 137,482 | 163,625          | 2,163    | 165,788 | 303,270   | 0                | 160            |
| 2039*                                         | 1,274,281   | 106      | 1,274,387 | 18,734               | 53,226              | 64,010 | 2,461    | 138,431 | 164,443          | 2,163    | 166,606 | 305,037   | 0                | 162            |
| 2040*                                         | 1,298,376   | 108      | 1,298,484 | 19,212               | 53,758              | 64,201 | 2,461    | 139,632 | 165,265          | 2,163    | 167,428 | 307,060   | 0                | 164            |
| 2041*                                         | 1,322,928   | 110      | 1,323,038 | 19,603               | 54,296              | 64,394 | 2,461    | 140,754 | 166,091          | 2,163    | 168,254 | 309,008   | 0                | 166            |
| 2042*                                         | 1,347,619   | 112      | 1,347,731 | 19,875               | 54,839              | 64,587 | 2,461    | 141,762 | 166,922          | 2,163    | 169,085 | 310,847   | 0                | 168            |
| 2043*                                         | 1,373,126   | 115      | 1,373,241 | 20,157               | 55,387              | 64,780 | 2,461    | 142,785 | 167,756          | 2,163    | 169,919 | 312,704   | 0                | 170            |
| 2044*                                         | 1,399,682   | 117      | 1,399,799 | 20,453               | 55,941              | 64,974 | 2,461    | 143,829 | 168,595          | 2,163    | 170,758 | 314,587   | 0                | 172            |
| 2045*                                         | 1,426,844   | 119      | 1,426,963 | 20,755               | 56,501              | 65,169 | 2,461    | 144,886 | 169,438          | 2,163    | 171,601 | 316,487   | 0                | 174            |



### SPONSOR APPROVAL & REVISIONS

J. BRIAN O'NEILL, A.A.E., EXECUTIVE DIRECTOR/CEO

DATE

### NOTES

- THIS DRAWING REFLECTS PLANNING STANDARDS SPECIFIC TO THIS AIRPORT, AND IS NOT A PRODUCT OF DETAILED ENGINEERING DESIGN ANALYSIS. IT IS NOT INTENDED TO BE USED FOR CONSTRUCTION DOCUMENTATION OR NAVIGATION.
- LAT/LON COORDINATES NAD83. RUNWAY ELEVATION NAVD83.
- (N) 15' ADDED TO PUBLIC ROADWAY ELEVATIONS AND 10' ADDED TO PRIVATE ROADWAY ELEVATIONS TO DETERMINE PART 77 CLEARANCES.
- AIRPORT LAYOUT PLAN INCORPORATES AN FAA APPROVED AIRPORT GEOGRAPHIC INFORMATION SURVEY FROM MAY 2018, A 2018 OBSTRUCTION SURVEY, AND FAA APPROVED NOISE CONTOURS FROM THE 2017 LAND USE STUDY.
- AERIAL PHOTOGRAPHY ACQUIRED BY MARTINEZ GEOSPATIAL (MAY 10, 2018). AGIS DATA PROVIDED BY MARTINEZ GEOSPATIAL (SURVEY MAY 2, 2018).
- RUNWAY DECLARED DISTANCES FROM AIRPORT FACILITIES DIRECTORY.
- ALP PREPARED USING DESIGN CRITERIA FROM FAA ADVISORY CIRCULARS 150/5300-13A CHANGE 1, AIRPORT DESIGN, FAA STANDARD OPERATING PROCEDURES 2.0 & 3.0, AND PART 77 OF THE FEDERAL AVIATION REGULATIONS (FAR), SAFE, EFFICIENT USE, AND PRESERVATION OF THE NAVIGABLE AIRSPACE.
- CRITICAL DESIGN AIRCRAFT AND RUNWAY DESIGN CODE DETERMINED THROUGH OPERATION RECORDS AND FORECASTS. RUNWAY DESIGN STANDARDS AND AIRCRAFT SPECIFICATION DATA SOURCE: FAA ADVISORY CIRCULAR 150/5300-13A (CHANGE 1), AIRPORT DESIGN, APPENDIX 1. MAGNETIC DECLINATION SOURCE: NATIONAL GEOPHYSICAL DATA CENTER, JULY 2019.

### FAA APPROVAL

### NOTES

- EXISTING APPROACH MINIMUMS, APPROACH CATEGORY AND DEPARTURE PROCEDURES BASED ON PUBLISHED APPROACH PLATES.
- BUILDING RESTRICTION LINE (BRL) VARIES IN SETBACK FROM RUNWAY AND ALLOWABLE BUILDING HEIGHTS. THE BRL IS DETERMINED BASED ON PART 77, ROFA, TOFA, RVZ, TERPS AND PHYSICAL FEATURES. THE ALLOWABLE HEIGHT IS PROVIDED ON THE PLAN AT VARIOUS LOCATIONS.

### FACILITY LEGEND

| NO. | DESCRIPTION                            | TOP ELEVATION    |
|-----|----------------------------------------|------------------|
| 1   | HANGAR/OFFICE                          | EL. 1383.4       |
| 2   | HANGAR/OFFICE                          | EL. 1382.3       |
| 3   | HANGAR/OFFICE                          | EL. 1382.3       |
| 4   | FIRE SUPPRESSION SYSTEM                | EL. 1355.1       |
| 5   | T-HANGAR                               | EL. 1365.7       |
| 6   | T-HANGAR                               | EL. 1361.0       |
| 7   | T-HANGAR                               | EL. 1359.4       |
| 8   | HANGAR/OFFICE                          | EL. 1376.0       |
| 9   | HANGAR/OFFICE                          | EL. 1377.9       |
| 10  | HANGAR/OFFICE                          | EL. 1383.3       |
| 11  | HANGAR/OFFICE                          | EL. 1382.9       |
| 12  | GENERAL AVIATION CENTER (FBO/OFFICES)  | EL. 1365.2       |
| 13  | BUILDING (GAZEBO)                      | EL. 1358.1       |
| 14  | AIRPORT ADMINISTRATION OFFICE BUILDING | EL. 1369.3       |
| 15  | HANGAR/OFFICE                          | EL. 1378.5       |
| 16  | COMPASS PAD                            | EL. 1365.0       |
| 17  | TERMINAL BUILDING                      | EL. 1366.5       |
| 18  | OFFICE BUILDING                        | EL. 1379.9       |
| 19  | OFFICE BUILDING                        | EL. 1380.2       |
| 20  | OFFICE BUILDING                        | EL. 1378.9       |
| 21  | TERMINAL BUILDING                      | EL. 1371.6       |
| 22  | HANGAR #24 (TO BE REMOVED)             | EL. 1386.7       |
| 23  | OFFICE BUILDING                        | EL. 1369.5       |
| 24  | HANGAR                                 | EL. 1383.7       |
| 25  | TERMINAL ANNEX (TO BE REPLACED)        | EL. 1365.6       |
| 26  | HANGAR                                 | EL. 1379.6       |
| 27  | HANGAR (TO BE REPLACED)                | EL. 1391.3       |
| 28  | LINE SERVICES BUILDING                 | EL. 1392.2       |
| 29  | OFFICE BUILDING                        | EL. 1391.1       |
| 30  | OFFICE BUILDING                        | EL. 1358.9       |
| 31  | INDUSTRIAL BUILDING                    | EL. 1363.9       |
| 32  | OFFICE BUILDING                        | EL. 1379.7       |
| 33  | CAR WASH AREA                          | EL. 1373.5       |
| 34  | OFFICE BUILDING                        | EL. 1359.9       |
| 35  | OFFICE BUILDING                        | EL. 1375.1       |
| 36  | FUEL FARM                              | EL. 1360.6       |
| 37  | OFFICE BUILDING                        | EL. 1360.6       |
| 38  | OFFICE BUILDING                        | EL. 1375.5       |
| 39  | BUILDING                               | EL. 1380.6       |
| 40  | ARFF                                   | EL. 1401.6       |
| 41  | BUILDING                               | EL. 1368.1       |
| 42  | OFFICE BUILDING                        | EL. 1383.1       |
| 43  | OFFICE BUILDING                        | EL. 1376.6       |
| 44  | BUILDING                               | EL. 1381.3       |
| 45  | OFFICE BUILDING                        | EL. 1378.8       |
| 46  | OFFICE BUILDING                        | EL. 1374.5       |
| 47  | HANGAR/OFFICE                          | EL. 1406.9       |
| 48  | BUILDING                               | EL. 1382.4       |
| 49  | SHADE                                  | EL. 1362.9       |
| 50  | OFFICE BUILDING                        | EL. 1372.5       |
| 51  | FIRE SUPPRESSION SYSTEM                | EL. 1361.7       |
| 52  | COMMUNICATIONS VAULT                   | EL. 1360.0       |
| 53  | OFFICE BUILDING                        | EL. 1370.4       |
| 54  | ATCT/AIRPORT BEACON                    | EL. 1474.3       |
| 55  | BUILDING                               | EL. 1364.5       |
| 56  | FIRE SUPPRESSION SYSTEM                | EL. 1386.3       |
| 57  | BUILDING (REMOVE/RELOCATE OFF AIRPORT) | EL. 1370.5       |
| 58  | EAST LIGHTING VAULT (TO BE RELOCATED)  | EL. 1385.3       |
| 59  | ASR-8 (TO BE RELOCATED)                | EL. 1381.5       |
| 60  | BUILDING (TO BE REMOVED)               | EL. 1386.7       |
| 61  | BUILDING (TO BE REMOVED)               | EL. 1387.6       |
| 62  | BUILDING (TO BE REMOVED)               | EL. 1390.0       |
| 63  | BUILDING (TO BE REMOVED)               | EL. 1391.7       |
| 64  | BUILDING (TO BE REMOVED)               | EL. 1395.7       |
| 65  | BUNKER (TO BE REMOVED)                 | EL. 1401.8       |
| 66  | RTR BUILDING (TO BE RELOCATED)         | EL. 1392.7       |
| 67  | TVOR                                   | EL. 1400.9       |
| 68  | ILS GLIDE SLOPE                        | EL. 1385.0       |
| 69  | HANGAR/MANUFACTURING/OFFICE            | EL. 1368.0' EST. |
| 70  | HUSH HOUSE                             | EL. 1370.1'      |
| 71  | WEST LIGHTING VAULT                    | EL. 1374.8'      |
| 72  | BUILDING (TO BE REMOVED)               | EL. 1377.1'      |
| 73  | BUILDING (TO BE REMOVED)               | EL. 1403.5'      |
| F1  | FUTURE PASSENGER TERMINAL              |                  |
| F2  | FUTURE AIR TRAFFIC CONTROL TOWER       |                  |
| F3  | FUTURE BUILDING                        |                  |
| F4  | FUTURE T-HANGAR                        |                  |

### DRAWING LEGEND

|                                          | EXISTING | FUTURE |
|------------------------------------------|----------|--------|
| AIRPORT PROPERTY LINE                    | ---      | ---    |
| AVIATION EASEMENT                        | ---      | ---    |
| AIRPORT BUILDINGS                        | ---      | ---    |
| AIRFIELD PAVEMENT                        | ---      | ---    |
| AIRFIELD PAVEMENT TO BE REMOVED          | ---      | ---    |
| RUNWAY PROTECTION ZONE                   | ---      | ---    |
| GLIDE PATH QUALIFICATION SURFACE         | ---      | ---    |
| PART 77 APPROACH SURFACE                 | ---      | ---    |
| THRESHOLD SITING SURFACE                 | ---      | ---    |
| BUILDING RESTRICTION LINE                | ---      | ---    |
| RUNWAY OBSTACLE FREE ZONE                | ---      | ---    |
| INNER APPROACH OBSTACLE FREE ZONE        | ---      | ---    |
| PRECISION OBSTACLE FREE ZONE             | ---      | ---    |
| RADAR CRITICAL AREAS                     | ---      | ---    |
| GLIDE SLOPE CRITICAL AREA                | ---      | ---    |
| LOCALIZER CRITICAL AREA                  | ---      | ---    |
| RUNWAY SAFETY AREA                       | ---      | ---    |
| RUNWAY OBJECT FREE AREA                  | ---      | ---    |
| TAXIWAY OBJECT FREE AREA                 | ---      | ---    |
| AIRPORT SECURITY FENCE (8' HEIGHT)       | ---      | ---    |
| APRON/TAXIWAY/TAXILANE MARKING           | ---      | ---    |
| AIRPORT BEACON                           | ---      | ---    |
| LIGHTED WIND CONE & SEGMENTED CIRCLE     | ---      | ---    |
| WIND CONE                                | ---      | ---    |
| PRECISION APPROACH PATH INDICATOR (PAPI) | ---      | ---    |
| RUNWAY END IDENTIFIER LIGHTS (REIL)      | ---      | ---    |
| AIRPORT REFERENCE POINT (ARP)            | ---      | ---    |
| AIRPORT SURVEY CONTROL STATIONS          | ---      | ---    |
| FUTURE DEVELOPMENT AREAS                 | ---      | ---    |

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## PHOENIX-MESA GATEWAY AIRPORT AIRPORT LAYOUT PLAN

5835 S SOSSMAN RD  
MESA, AZ 85212

ISSUED

NOT FOR CONSTRUCTION

M&H NO.: 2327700-171799.01  
DATE: MARCH 2020  
DESIGNED BY: M&H  
DRAWN BY: JWB  
CHECKED BY: BJM  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
FUTURE AIRPORT  
LAYOUT PLAN

SHEET NO.

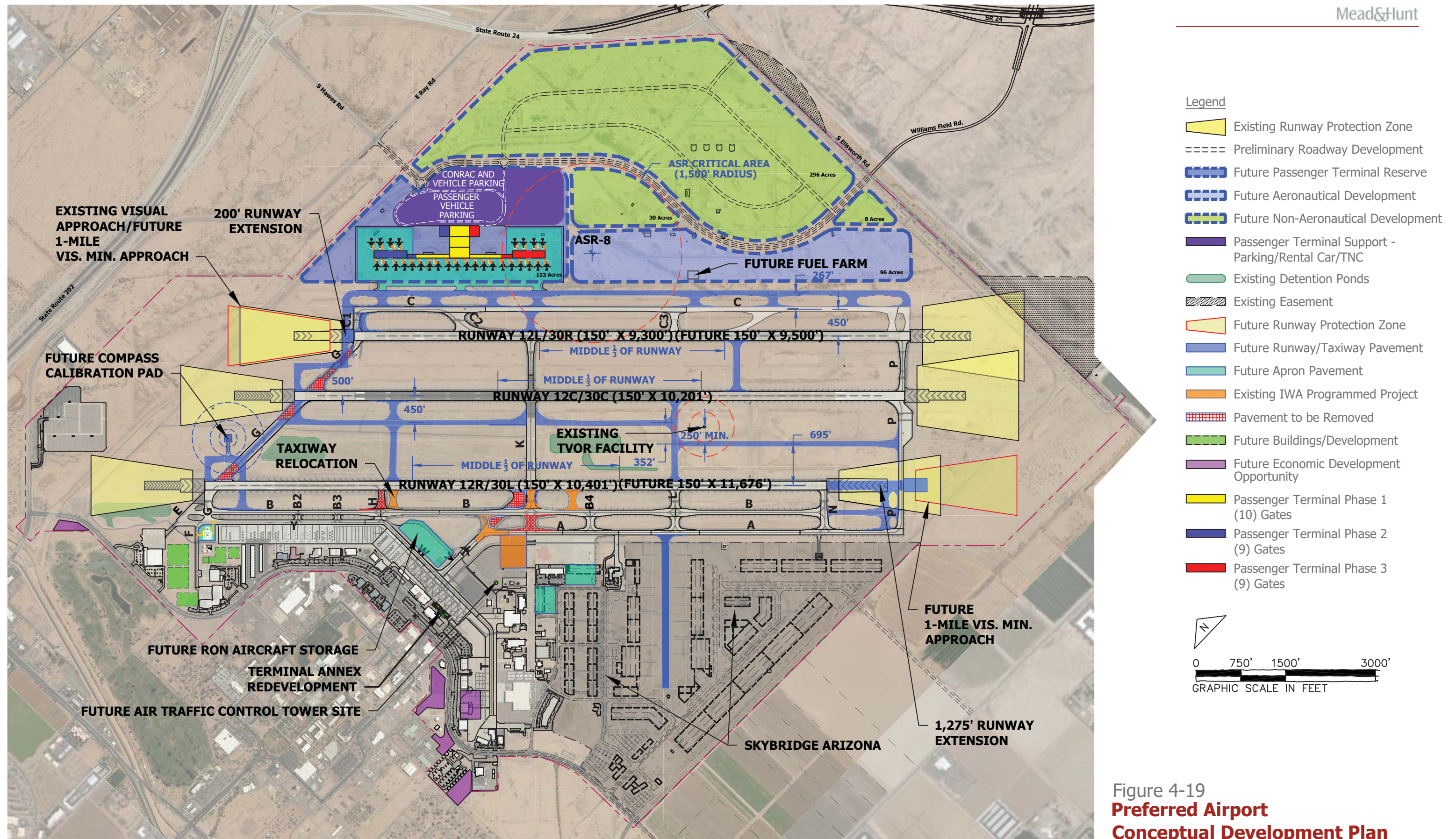


Figure 4-19  
**Preferred Airport  
Conceptual Development Plan**