

CHAPTER 5

AIRPORT LAYOUT PLAN NARRATIVE

Introduction

The Airport Layout Plan (ALP) is intended to graphically portray existing conditions at the Airport, detail design standards outlined in Federal Aviation Administration (FAA) Advisory Circular (AC) 150/5300-13A Airport Design, future development, and areas in which future development may occur. This document consists of a set of public drawings used by the FAA when budgeting for future projects, assessing impacts to the Airport, and to determine zoning and other land uses in the Airport environment. The ALP also serves as a planning tool for the FAA to use when reviewing planned development and AIP grants and for the surrounding communities to use when determining zoning and land use planning.

This ALP drawing set was prepared to present conclusions of an update to the Master Plan for IWA. The Master Plan thoroughly documented the existing conditions, forecasts, facility requirements, analysis, and findings to depict the near-, mid-, and long-term development plans to meet future aviation demand.

The ALP graphically presents airport facilities, their location on airport, and the pertinent clearance and dimensional information required to show conformance with applicable design standards. Specifically, the ALP depicts an airport as it exists today along with areas that are identified for future development to meet forecasted growth in aviation and related activity.

A reduced-sized copy of the FAA approved ALP set is attached at the end of this section. The ALP package for the Phoenix-Mesa Gateway Airport consists of the following drawings:

- ✓ Sheet 1 - Cover Sheet
- ✓ Sheet 2 - Airport Data
- ✓ Sheet 3 - Existing Airport Layout Plan
- ✓ Sheet 4 - Future Airport Layout Plan
- ✓ Sheet 5 - Part 77 Airspace Plan - Conical Surface
- ✓ Sheet 6 - Part 77 Outer Approaches
- ✓ Sheet 7 - Part 77 Approach Profiles Runways 12L-30R
- ✓ Sheet 8 - Part 77 Approach Profiles Runways 12C-30C
- ✓ Sheet 9 - Part 77 Approach Profiles Runways 12R-30L
- ✓ Sheet 10 - Runway 12L Inner Portion of the Approach Surface
- ✓ Sheet 11 - Runway 30R Inner Portion of the Approach Surface
- ✓ Sheet 12 - Runway 12C Inner Portion of the Approach Surface
- ✓ Sheet 13 - Runway 30C Inner Portion of the Approach Surface

- ✓ Sheet 14 - Runway 12R Inner Portion of the Approach Surface
- ✓ Sheet 15 - Runway 30L Inner Portion of the Approach Surface
- ✓ Sheet 16 - Runway 12L-30R Runway Departure Surfaces
- ✓ Sheet 17 - Runway 12C-30C Runway Departure Surfaces
- ✓ Sheet 18 - Runway 12R-30L Runway Departure Surfaces
- ✓ Sheet 19 - Building Area Plan - Westside Facilities Drawing
- ✓ Sheet 20 - Building Area Plan - East Facilities Drawing
- ✓ Sheet 21 - Airport Land Use Plan
- ✓ Sheet 22 - Airport Property Map - Exhibit “A”

Airport Data Sheet

The Airport Data Sheet is designed to be a compiled source of all pertinent Airport data. This sheet is intended to be used in conjunction with the Airport Layout Plan sheet as a reference document for existing and planned Airport development. Various tables and graphics depicted on this sheet are as follows:

- ✓ **Runway Data Table** – This table is a compiled tabulation of information relating specifically to runways at the Airport. Various specifications are listed for each existing and future runway, including runway location, dimensions, design group, available lighting and navigational aids, as well as safety areas as defined in AC 150/5300-13A.
- ✓ **Runway Surfaces Table** – This table and an associated graphic depict the approach visibility minimums for each runway, as well as dimensions for various safety areas, including the RSA/OFA, RPZ, and OFZ. The elevation of each runway end is also provided on this table.
- ✓ **Airport Data Table** – This table lists existing and future information specific to the Airport, such as Airport elevation, service level, role, reference code, design aircraft, owner, Airport Reference Point, temperature information, and available navigational aids.
- ✓ **Taxiway Data Table** – This table lists the existing and future width and safety area dimensions for each major taxiway at the Airport.
- ✓ **Modifications to Standards/Non-Standard Conditions** – These tables show any approved modifications to applicable design standards or any non-standard conditions that may be depicted on the ALP or present at the Airport. IWA does not have any listed modifications to standards or nonstandard conditions.

- ✓ **Wind Rose and Wind Coverage Table** – These components detail the percentage of time a runway end or combination of ends or runways are available for arrivals. When combined, the coverage is intended to be as near as possible to 100 percent. The Wind Rose depicts the runway orientation and percentages over which winds from a given direction occur. The box width varies based on the crosswind component desired and is intended to graphically portray the information displayed in the Wind Coverage Table.

Airport Layout Plan

The Airport Layout Plan depicts both the existing and planned Airport facilities and safety areas. All existing and planned airfield and Airport related development is depicted on this sheet and identified with legend items for quick reference. Together with the Airport Data Sheet, this sheet serves as an overview for the FAA and Airport sponsors as grant and other federal funding for future improvements are assigned. The Airport Layout Plan also graphically depicts compliance with standards set forth in AC 150/5300-13A or necessary modifications to those standards.

Airport Airspace

The Airport Airspace sheet is a set of drawings depicting the 14 CFR Part 77 Objects Affecting Navigable Airspace (Part 77) imaginary airspace surfaces for the Airport. Part 77 details requirements for the safe and efficient use of navigable airspace. These surfaces are intended to provide airports and sponsors with a mechanism to evaluate existing and proposed objects as part of the 7460 process for determining hazards to air navigation. Part 77 surfaces correspond to available navigational aids and types of approaches available to a runway end. The following surfaces are depicted on the Airport Airspace sheet:

- ✓ **Primary Surface** – The primary surface is located closest to the runway environment. It is a rectangular area symmetrically located about the runway centerline and extends a distance of 200 feet beyond each runway threshold. Its elevation is the same as the runway centerline at a point perpendicular to the runway centerline. The width of the primary surface depends on the type of runway approach capability (visual, non-precision, or precision).

The primary surface must remain clear of most objects to allow unobstructed passage of aircraft. Objects are only permitted if they are no taller than two feet above the ground, and if they are constructed on frangible (breakaway) mounts. The only exception to this rule is for objects for which location is “fixed by function,” such as navigational and visual aid facilities (glide slope, precision approach path indicator, windsock, etc.).

- ✓ **Approach Surface** – The approach surface is also established for each runway end. The approach surface has the same inner width as the primary surface, and then flares (gets wider) as it rises upward and outward along the extended runway centerline. The approach surface begins 200 feet beyond the runway end. The slope of the rise and the length of the approach surface is

dictated by the type of approach available to the runway (visual, non-precision or precision), and by the approach category of the aircraft for which the runway is designed.

- ✓ **Transitional Surface** – Each runway has a transitional surface that begins at the outside edge of the primary surface, and at the same elevation as the runway centerline. There are three transitional surfaces: the first is off the sides of the primary surface, the second is off the sides of the approach surface, and the third is outside the conical surface and pertains to precision runways only. The transitional surface rises at a slope of one-foot vertically for each 7 feet of horizontal distance (7:1) up to a height, which is 150 feet above the highest runway elevation.
- ✓ **Horizontal Surface** – The horizontal surface is established at 150 feet above the published airport elevation. This is an oval-shaped flat surface that connects the transitional and approach surfaces to the conical surface at a distance of 10,000 feet from the primary surface.
- ✓ **Conical Surface** – The conical surface begins at the outer edge of the horizontal surface. The conical surface continues for a distance of 4,000 feet horizontally at a slope of one-foot rise for each 20 feet of horizontal distance (20:1).

Inner Portion of Runway Approach Surface Drawings

The Inner and Outer Approach Surface Drawings presents the entirety of the Part 77 approach surface to the end of each runway. They also depict the runway centerline profile with elevations. These drawings provide profile details that the Approach Profiles does not. The drawings include identified penetrations to the approach surface. Penetrations to the approach surface are considered obstructions. The FAA will determine if any obstructions are also hazards which require mitigation. The FAA utilizes other design criteria such as the threshold siting surface (TSS) and various surfaces defined in FAA Order 8260.3B, Terminal Instrument Procedures (TERPS), to determine if an obstruction is a hazard. If an obstruction is a hazard, the FAA can take many steps to protect air navigation. The mitigation options range from the airport owner removing the hazard to installing obstruction lighting, to the FAA adjusting the instrument approach minimums.

Departure Surface

The Departure Surface Drawings provides detailed analysis of the existing and ultimate departure surface for each corresponding runway end. A composite profile of the extended ground line is depicted. Obstructions are shown where appropriate.

Building Area Plans

The Terminal Area Plans depicts larger scale plan view drawing of existing and planned aprons, buildings, hangars, parking lots, and other landside facilities. The contents of the Terminal Area Plans include a large-scale plan view of the area; building data table; legend table; and title and revision blocks. Additionally, the Terminal Area Plan identify each building's height if available and any existing or planned obstruction markings.

On and Off Airport Land Use

The Airport Land Use Drawing is a composite drawing that depicts that land uses for areas within and around airport property in a manner compatible with the functional design of the airport facility. Airport land use planning is important for orderly development and efficient use of available space. There are two primary considerations for airport land use planning. These are to secure those areas essential to the safe and efficient operation of the airport and to determine compatible land uses for the balance of the property which would be most advantageous to the airport and community. In essence, this drawing depicts the suggested highest and best potential uses for airport property. The On-Airport Land Use Drawing presents generalized proposed uses of property for the future. The on-airport land uses on this drawing become the official FAA acceptance of current and future land uses. The map also depicts the existing and ultimate noise exposure limits set at the 65 Yearly Day-Night, Average Sound Level (DNL).

Airport Property Map

The Exhibit "A" Airport Property Map identifies parcels that make up dedicated airport property. The Exhibit 'A' indicates how the land was acquired, the funding source for the land and if the land was conveyed as Federal surplus land or Government Property. Other detached parcels owned by the Airport Sponsor that are dedicated to airport purposes must also be shown on the Exhibit 'A'. The Exhibit 'A' must show all dedicated airport property regardless of the type of funds (AIP, state, local, etc.) used to acquire that property.

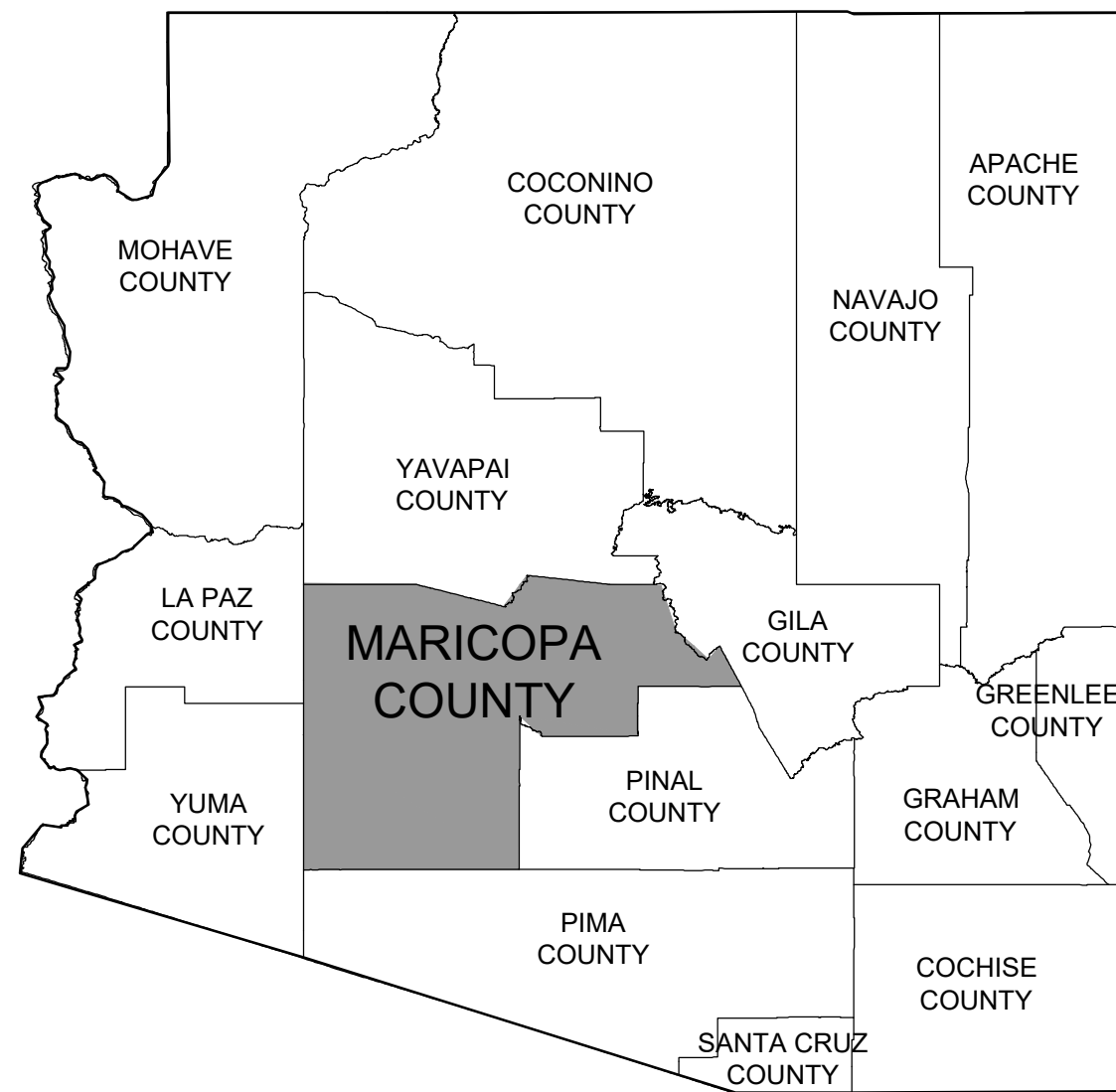
Draft Airport Layout Plan - Disclaimer

The preparation of this ALP was supported, in part, with financial assistance from the FAA through the Airport Improvement Program. The contents do not necessarily reflect the official views or policy of the FAA. Acceptance of these documents by the FAA does not in any way constitute a commitment on the part of the United States to participate in any development depicted herein nor does it indicate that the proposed development is environmentally acceptable in accordance with appropriate public law.

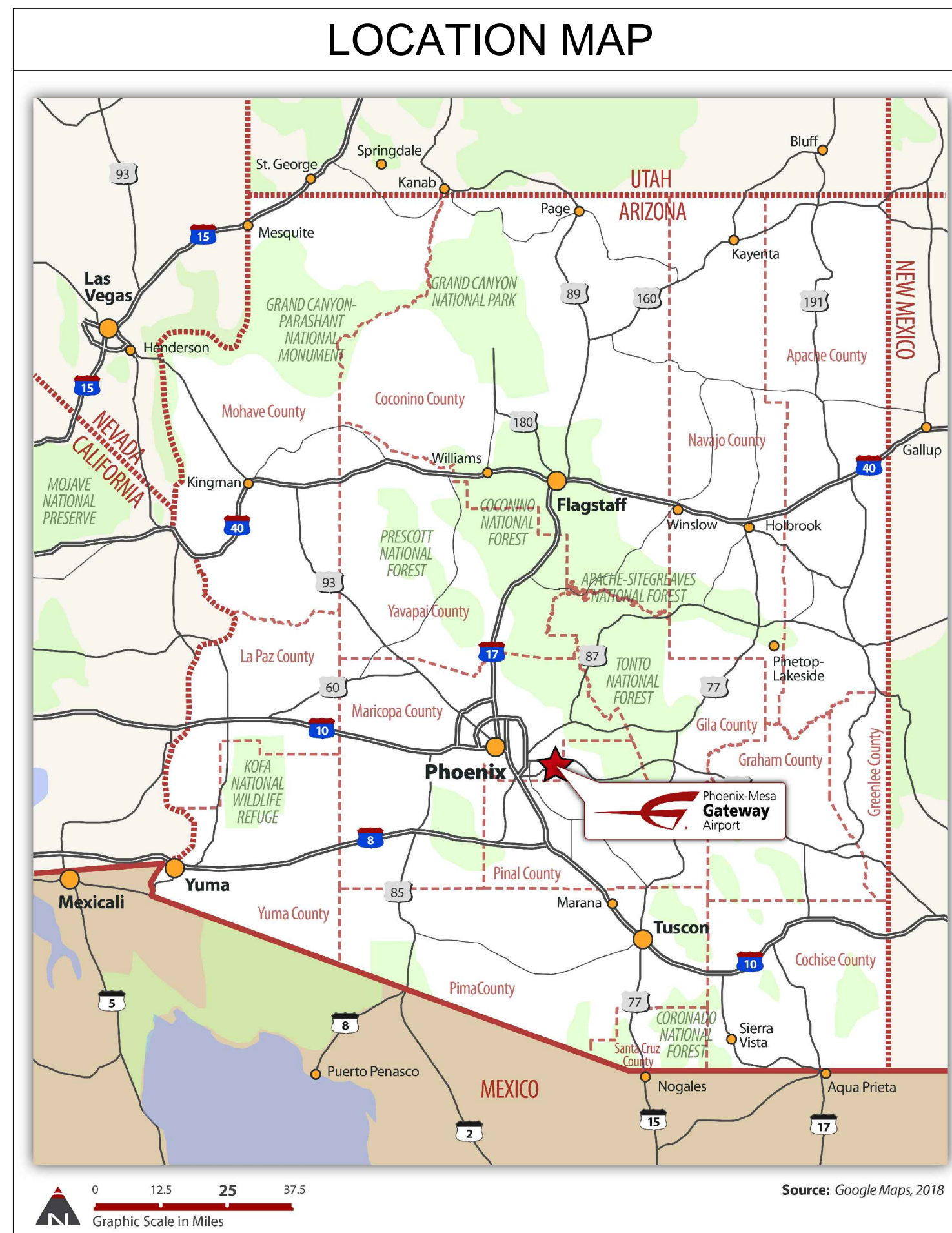
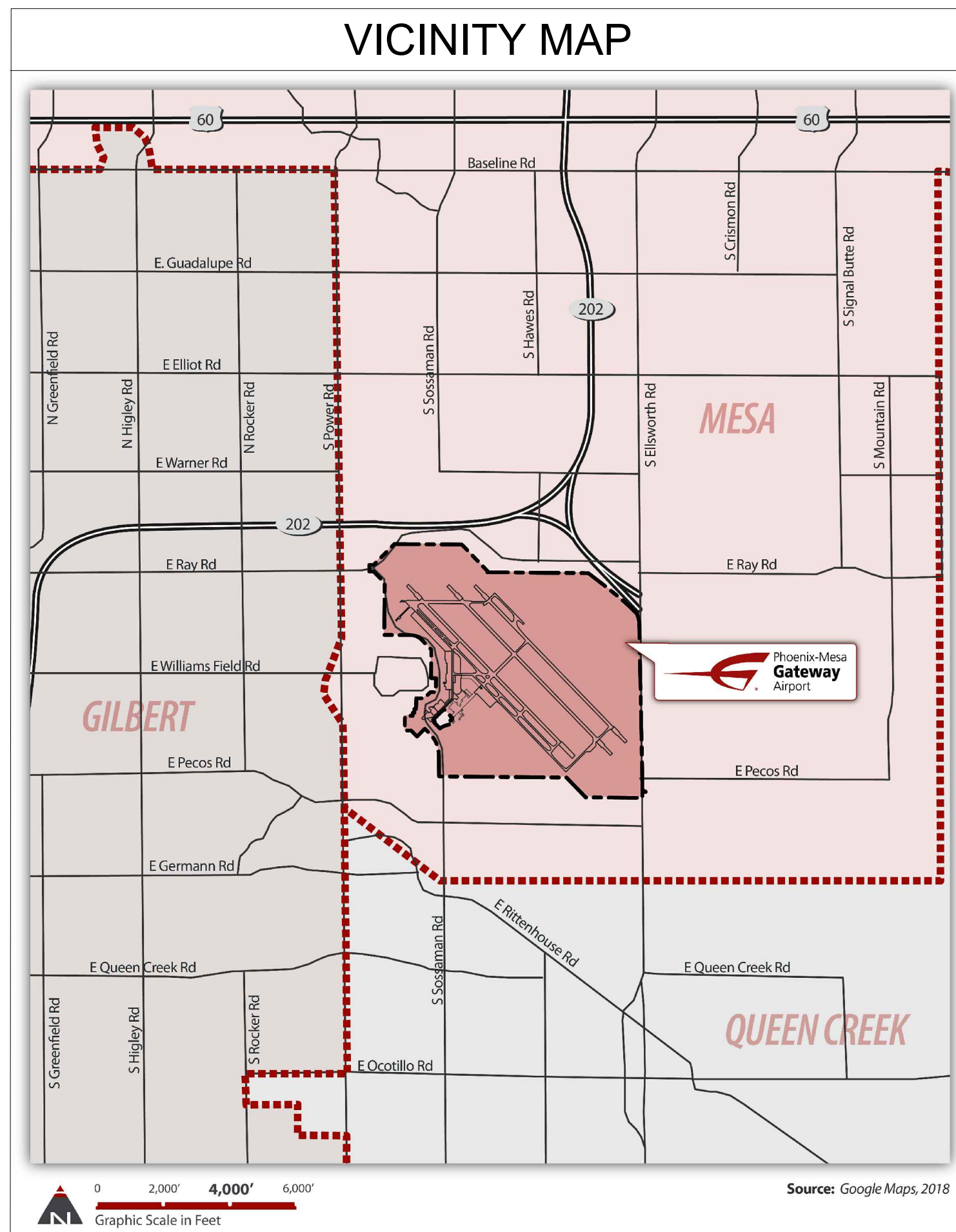
The ALP has been developed in accordance with accepted FAA standards to include FAA Standard Operating Procedure (SOP) 2.00, *Standard Procedure for FAA Review and Approval of Airport Layout Plans (ALPs)*, and ALP SOP 3.00, *Standard Operating Procedure for FAA Review of Exhibit 'A' Airport Property Inventory Maps*.

Airport Layout Plan

PMGAA Project Number: 929



STATE OF ARIZONA



AIRPORT LAYOUT PLAN SET		
SHEET NUMBER	SHEET TITLE	REVISION
1	COVER SHEET	MAR 2020
2	AIRPORT DATA	MAR 2020
3	EXISTING AIRPORT LAYOUT	MAR 2020
4	FUTURE AIRPORT LAYOUT PLAN	MAR 2020
5	PART 77 AIRSPACE PLAN - CONICAL SURFACE	MAR 2020
6	PART 77 OUTER APPROACHES	MAR 2020
7	PART 77 APPROACH PROFILES RUNWAY 12L-30R	MAR 2020
8	PART 77 APPROACH PROFILES RUNWAY 12C-30C	MAR 2020
9	PART 77 APPROACH PROFILES RUNWAY 12R-30L	MAR 2020
10	RUNWAY 12L INNER PORTION OF THE APPROACH SURFACE	MAR 2020
11	RUNWAY 30R INNER PORTION OF THE APPROACH SURFACE	MAR 2020
12	RUNWAY 12C INNER PORTION OF THE APPROACH SURFACE	MAR 2020
13	RUNWAY 30C INNER PORTION OF THE APPROACH SURFACE	MAR 2020
14	RUNWAY 12R INNER PORTION OF THE APPROACH SURFACE	MAR 2020
15	RUNWAY 30L INNER PORTION OF THE APPROACH SURFACE	MAR 2020
16	RUNWAY 12L-30R DEPARTURE SURFACES	MAR 2020
17	RUNWAY 12C-30C DEPARTURE SURFACES	MAR 2020
18	RUNWAY 12R-30L DEPARTURE SURFACES	MAR 2020
19	BUILDING AREA PLAN - WEST FACILITIES	MAR 2020
20	BUILDING AREA PLAN - EAST FACILITIES	MAR 2020
21	AIRPORT LAND USE PLAN	MAR 2020
22	EXHIBIT 'A' AIRPORT PROPERTY INVENTORY MAP	MAR 2020

SPONSOR APPROVAL AND REVISIONS		
J. BRIAN O'NEILL, A.A.E., EXECUTIVE DIRECTOR/CEO		DATE
NO.	DESCRIPTION	DATE

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL CLIMATIC DATA CENTER, STATION 722786, WILLIAMS GATEWAY AIRPORT, MESA, AZ.

PERIOD OF REPORTING 2008-2017; 141,148 TOTAL OBSERVATIONS, AND TAILWIND COMPONENT OF FIVE KNOTS FOR UNIDIRECTIONAL RUNWAYS AND SIXTY KNOTS FOR BIDIRECTIONAL RUNWAYS.

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL CLIMATIC DATA CENTER, STATION 722786, WILLIAMS GATEWAY AIRPORT, MESA, AZ.

PERIOD OF REPORTING 2008-2017; 429 TOTAL OBSERVATIONS, AND TAILWIND COMPONENT OF FIVE KNOTS FOR UNIDIRECTIONAL RUNWAYS AND SIXTY KNOTS FOR BIDIRECTIONAL RUNWAYS.

RUNWAY DESIGN CODE (RDC)	D-V-VISUAL	D-V-5000	D-V-4000	SAME	D-V-5000	SAME	D-V-4000	SAME	D-V-5000	SAME	D-V-5000	SAME
AIRPORT REFERENCE CODE (APRC)	D-V-VISUAL	D-V-5000	D-V-4000	SAME	D-V-5000	SAME	D-V-4000	SAME	D-V-5000	SAME	D-V-5000	SAME
DEPARTURE REFERENCE CODE (DPRC)	D-V	SAME	D-V	SAME	D-V	SAME	D-V	SAME	D-V	SAME	D-V	SAME
RUNWAY PAVEMENT STRENGTH (IN 1000 LBS.)	75(S),210(D),560(DT),850(DDT)	SAME	75(S),210(D),560(DT),850(DDT)	SAME	55(S),95(D),185(DT),550(DDT)	80(S),155(D),300(DT),850(DDT)	55(S),95(D),185(DT),550(DDT)	80(S),155(D),300(DT),850(DDT)	55(S),95(D),185(DT),550(DDT)	80(S),155(D),300(DT),850(DDT)	55(S),95(D),185(DT),550(DDT)	80(S),155(D),300(DT),850(DDT)
RUNWAY PAVEMENT TYPE	CONCRETE	SAME	CONCRETE	SAME	ASPHALT/CONCRETE	SAME	ASPHALT/CONCRETE	SAME	CONCRETE	SAME	CONCRETE	SAME
RUNWAY PAVEMENT STRENGTH (PCN)	88	SAME	88	SAME	26	SAME	26	SAME	71	SAME	71	SAME
RUNWAY SURFACE TREATMENT	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME
EFFECTIVE RUNWAY GRADIENT %	0.30	SAME	-0.30	SAME	0.32	SAME	0.32	SAME	0.32	SAME	-0.32	SAME
LINE OF SIGHT CRITERIA MET	YES	SAME	YES	SAME	YES	SAME	YES	SAME	YES	SAME	YES	SAME
PERCENT WIND COVERAGE (20-kt)	91.22%	SAME	75.52%	SAME	91.22%	SAME	75.52%	SAME	91.22%	SAME	75.52%	SAME
RUNWAY WIDTH X LENGTH	150' x 9,300'	150' X 9,500'	150' x 9,300'	150' X 9,500'	150' X 10,201'	SAME	150' X 10,201'	SAME	150' x 10,401'	150' X 11,676'	150' x 10,401'	150' X 11,676'
DISPLACED THRESHOLD LENGTH	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME
RUNWAY SAFETY AREA (RSA) WIDTH - ACTUAL	500'	SAME	500'	SAME	500'	SAME	500'	SAME	500'	SAME	500'	SAME
RSA LENGTH BEYOND STOP END - ACTUAL	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME
RUNWAY SAFETY AREA (RSA) WIDTH - ADG STANDARD	500'	SAME	500'	SAME	500'	SAME	500'	SAME	500'	SAME	500'	SAME
RSA LENGTH BEYOND STOP END - ADG STANDARD	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME
RUNWAY LIGHTING	HIRL	SAME	HIRL	SAME	HIRL	SAME	HIRL	SAME	MIRL	SAME	MIRL	SAME
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	500' X 1010' X 1700'	SAME	1000' X 1510' X 1700'	SAME	500' X 1010' X 1700'	SAME	1000' X 1510' X 1700'	SAME	500' X 1010' X 1700'	SAME	500' X 1010' X 1700'	SAME
RUNWAY MARKING	PRECISION	SAME	PRECISION	SAME	PRECISION	SAME	PRECISION	SAME	PRECISION	SAME	PRECISION	SAME
FAR PART 77 APPROACH SLOPE	20:1	34:1	34:1	SAME	34:1	SAME	50:1	SAME	34:1	SAME	34:1	SAME
FAR PART 77 APPROACH TYPE (NOTE 10)	VIS (BVV)	NON-PRECISION (C)	NON-PRECISION (D)	SAME	NON-PRECISION (C)	SAME	PIR	SAME	NON-PRECISION (C)	SAME	NON-PRECISION (C)	SAME
APPROACH VISIBILITY MINIMUMS	VISUAL	1-MILE	3/4-MILE	SAME	1-MILE	SAME	3/4-MILE	SAME	1-MILE	SAME	1-MILE	SAME
AERONAUTICAL SURVEY REQUIRED	NON-VERT. GUIDED	SAME	VERTICALLY GUIDED	SAME	VERTICALLY GUIDED	SAME	VERTICALLY GUIDED	SAME	NON-VERT. GUIDED	SAME	NON-VERT. GUIDED	SAME
DEPARTURE SURFACE	YES	SAME	YES	SAME	YES	SAME	YES	SAME	YES	SAME	YES	SAME
RUNWAY OBJECT FREE AREA (ROFA) WIDTH	800'	SAME	800'	SAME	800'	SAME	800'	SAME	800'	SAME	800'	SAME
ROFA LENGTH BEYOND STOP END	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME	1000'	SAME
RUNWAY OBSTACLE FREE ZONE (OFZ) WIDTH	400'	SAME	400'	SAME	400'	SAME	400'	SAME	400'	SAME	400'	SAME
ROFZ LENGTH	200'	SAME	200'	SAME	200'	SAME	200'	SAME	200'	SAME	200'	SAME
INNER APPROACH OFZ (IAOFZ) WIDTH	N/A	SAME	N/A	SAME	N/A	SAME	400'	SAME	N/A	SAME	N/A	SAME
INNER APPROACH OFZ (IAOFZ) LENGTH	N/A	SAME	N/A	SAME	N/A	SAME	2,470'	SAME	N/A	SAME	N/A	SAME
INNER TRANSITIONAL OFZ (IAOFZ) WIDTH	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME
PRECISION OBSTACLE FREE ZONE	N/A	SAME	N/A	SAME	N/A	SAME	200' X 800'	SAME	N/A	SAME	N/A	SAME
THRESHOLD SITING SURFACE (EB99)	TYPE 3	TYPE 4	TYPE 4	SAME	TYPE 4	SAME	TYPE 4, 6	SAME	TYPE 4	SAME	TYPE 4	SAME
VISUAL APPROACH AIDS	PAP1-4 REILS	SAME	PAP1-4 REILS	SAME	PAP1-4	SAME	PAP1-4	SAME	PAP1-4	SAME	PAP1-4	SAME
INSTRUMENT APPROACH AIDS	N/A	RNAV (GPS)	RNAV (GPS)	SAME	RNAV (GPS)	SAME	ILS or LOC RNAV (GPS) Y VOR or TACAN RNAV (RNP) Z	SAME	RNAV (GPS)	SAME	RNAV (GPS)	SAME

RUNWAY END COORDINATES (NOTE 3 & 8)		N 33° 19' 03.32"	N 33° 17' 57.61"	N 33° 19' 03.41"	N 33° 17' 51.34"	N 33° 19' 3.62"	N 33° 17' 50.14"
VG SURVEY 05/02/2018		W 111° 39' 40.73"	W 111° 38' 24.02"	W 111° 39' 57.32"	W 111° 38' 33.19"	W 111° 40' 22.33"	W 111° 38' 56.53"
EXISTING							
FUTURE (ESTIMATED)		N 33° 19' 04.75"	SAME	SAME	SAME	SAME	N 33° 17' 41.15"
DISPLACED THRESHOLD COORDINATES		W 111° 39' 42.36"	SAME	SAME	SAME	SAME	W 111° 38' 46.00"
EXISTING		N/A	N/A	N/A	N/A	N/A	N/A
FUTURE		N/A	N/A	N/A	N/A	N/A	N/A
RUNWAY ELEVATIONS (NOTE 3 & 8)		RUNWAY 12L/30R		RUNWAY 12C/30C		RUNWAY 12R/30L	
VG SURVEY 05/02/2018		EXISTING	FUTURE (EST)	EXISTING	FUTURE	EXISTING	FUTURE (EST)
END		1356.3'/1384.1'	1355.9'/SAME	1347.7'/1380.5'	SAME	1341.2'/1374.2'	SAME/1378.5'
HIGH POINT		1384.1'	SAME	1380.5'	SAME	1373.2'	SAME
LOW POINT		1356.3'	1355.9'/SAME	1347.7'	SAME	1341.2'	SAME
TOUCHDOWN ZONE ELEVATION		1365.0'/1384.1'	1364.2'/SAME	1358.5'/1380.5'	SAME	1348.7'/1374.2'	SAME/1378.5'
DISPLACED THRESHOLD ELEVATION		N/A	SAME	N/A	SAME	N/A	SAME

(NOTE 4)	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
TAKE OFF RUN AVAILABLE (TORA)	9,300'	9,500'	9,300'	9,500'	10,201'	SAME	10,201'	SAME	10,401'	11,676'	10,401'	11,676'
TAKE OFF DISTANCE AVAILABLE (TODA)	9,300'	9,500'	9,300'	9,500'	10,201'	SAME	10,201'	SAME	10,401'	11,676'	10,401'	11,676'
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	9,300'	9,500'	9,300'	9,500'	10,201'	SAME	10,201'	SAME	10,401'	11,676'	10,401'	11,676'
LANDING DISTANCE AVAILABLE (LDA)	9,300'	9,500'	9,300'	9,500'	10,201'	SAME	10,201'	SAME	10,401'	11,676'	10,401'	11,676'

(NOTE 5)	T/W A'		T/W B'		T/W C'		T/W E'		T/L F'		T/W G'		T/W H'		
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	
TAXIWAY DESIGN GROUP	5	SAME	5	SAME	5	SAME	3	SAME	3	SAME	5	SAME	5	SAME	
WIDTH IN FEET (STANDARD)	75' (75')	SAME	75' (75')	SAME	75' (75')	SAME	50' (50')	SAME	50' (50')	SAME	75' (75')	SAME	104' (75')	SAME	
SAFETY AREA WIDTH (ADG)	214' (V)	SAME	214' (V)	SAME	214' (V)	SAME	118' (III)	SAME	118' (III)	SAME	214' (V)	SAME	214' (V)	SAME	
OBJECT FREE AREA WIDTH (ADG)	320' (V)	SAME	320' (V)	SAME	320' (V)	SAME	186' (III)	SAME	162' (III)	SAME	320' (V)	SAME	320' (V)	SAME	
SEPARATION	T/W TO T/W	340'	SAME	340'	SAME	267'	SAME	382'	SAME	382'	SAME	1,520'	SAME	N/A	SAME
	T/W TO OBJECT	160'	SAME	160'	SAME	160'	SAME	93'	SAME	81'	SAME	160'	SAME	160'	SAME
	T/W TO R/W	788'	SAME	450'	SAME	450'	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME
LIGHTING	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	
TAXIWAY EDGE SAFETY MARGIN	19'	SAME	15'	SAME	19'	SAME	13'	SAME	10'	SAME	15'	SAME	15'	SAME	
TAXIWAY SHOULDER WIDTH	35'	SAME	35'	SAME	35'	SAME	25'	SAME	15'	SAME	30'	SAME	30'	SAME	

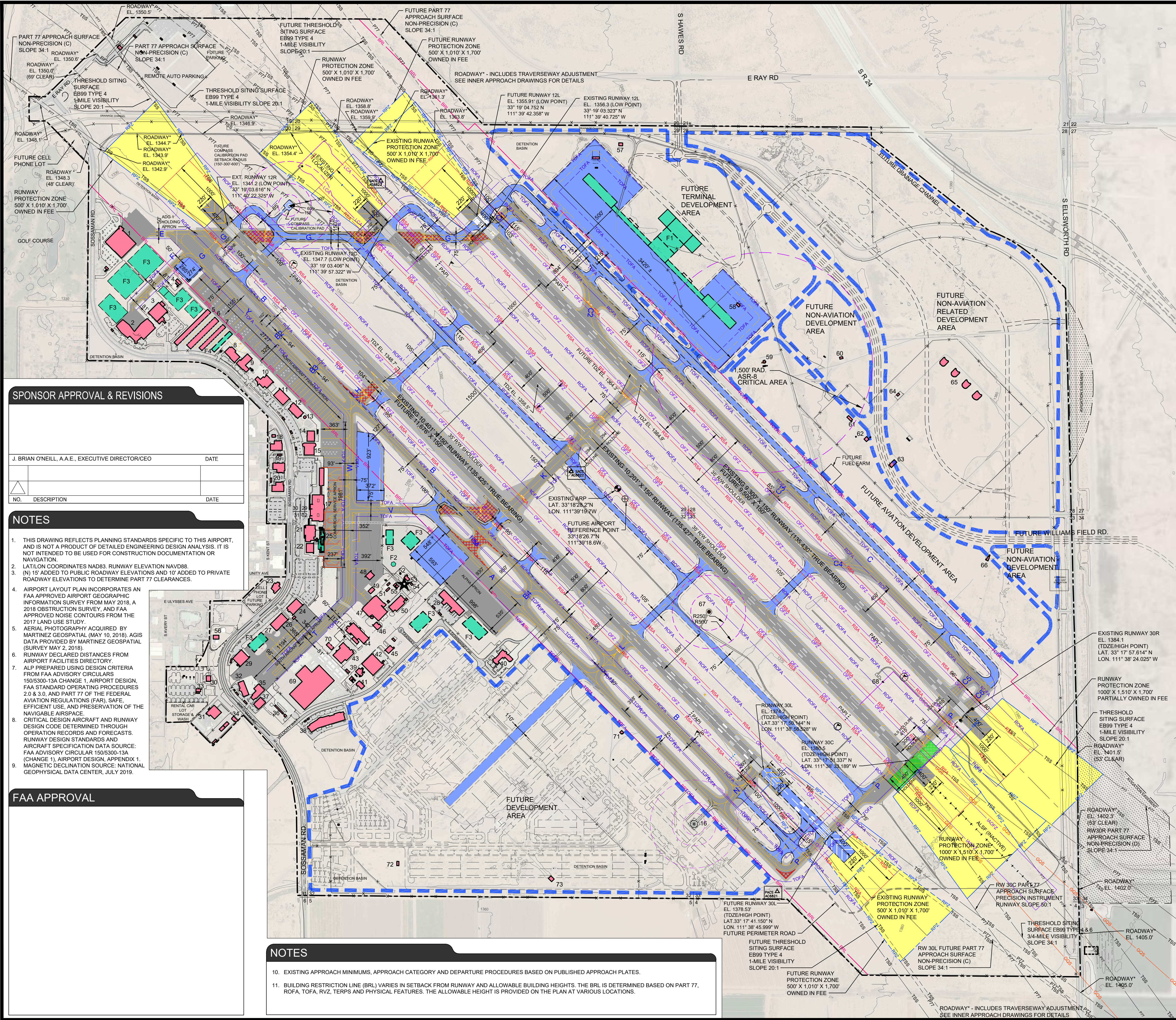
(NOTE 5)	T/W 'K'		T/W 'L'		T/W 'N'		T/W 'P'		T/W 'T'		T/W 'V'		T/W 'W'		T/W 'Y'		FUTURE T/W	
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
TAXIWAY DESIGN GROUP	5	SAME	5	SAME	5	SAME	5	SAME	3	SAME	3	SAME	3	SAME	2	SAME	N/A	5
WIDTH IN FEET (STANDARD)	150'(75')	SAME	130'(75')	SAME	100'(75')	SAME	75'(75')	SAME	60' (50')	SAME	75' (50')	SAME	75' (50')	SAME	75' (35')	SAME	N/A	75' (75')
SAFETY AREA WIDTH (ADG)	214' (V)	SAME	214' (V)	SAME	214' (V)	SAME	214' (V)	SAME	118' (III)	SAME	118' (III)	SAME	118' (III)	SAME	79' (II)	SAME	N/A	214' (V)
OBJECT FREE AREA WIDTH (ADG)	320' (V)	SAME	320' (V)	SAME	320' (V)	SAME	320' (V)	SAME	186' (III)	SAME	186' (III)	SAME	186' (III)	SAME	131' (II)	SAME	N/A	320' (V)
SEPARATION (IN FEET)	267'	SAME	267'	SAME	N/A	SAME	N/A	SAME	152'	SAME	210'	SAME	210'	SAME	162'	SAME	N/A	267'
T/W TO OBJECT	160'	SAME	160'	SAME	160'	SAME	160'	SAME	93'	SAME	93'	SAME	93'	SAME	65.5'	SAME	N/A	160'
T/W TO R/W	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	SAME	612'	SAME	N/A	450'
LIGHTING	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	MITL	SAME	N/A	MITL
TAXIWAY EDGE SAFETY MARGIN	15'	SAME	15'	SAME	15'	SAME	15'	SAME	15'	SAME	15'	SAME	15'	SAME	7.5'	SAME	N/A	15'
TAXIWAY SHOULDER WIDTH	30'	SAME	30'	SAME	30'	SAME	30'	SAME	20'	SAME	22.5'	SAME	22.5'	SAME	15'	SAME	N/A	30'

ITEM	STANDARD	EXISTING	FUTURE	APPROVAL DATE	AIRSPACE CASE NO.
NONE REQUIRED					

NO.	DESCRIPTION	DATE
NOTES:		
1.	THIS AIRPORT LOCATION PLAN 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.	
2.	AERIAL PHOTOGRAPHY ACQUIRED BY MARTINEZ GEOSPATIAL (MAY 10, 2018). AGIS DATA PROVIDED BY MARTINEZ GEOSPATIAL (RUNWAY SURVEY MAY 2, 2018).	
3.	AIRPORT LAYOUT PLAN INCORPORATES AN FAA APPROVED AIRPORT GEOGRAPHIC INFORMATION SURVEY FROM MAY 2018, A 2018 OBSTRUCTION SURVEY, AND FAA APPROVED NOISE CONTOURS FROM PMGAA AIRPORT LAND USE COMPATIBILITY PLAN UPDATE, JAN. 2017 AND BASED ON ANNUAL SERVICE VOLUME.	
4.	RUNWAY DECLARED DISTANCES FROM AIRPORT FACILITIES DIRECTORY.	
5.	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.	
6.	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.	
7.	ALL COORDINATES NAD83 AND ALL ELEVATIONS NAVD88. HORIZONTAL AND VERTICAL DATUM SOURCE: AGIS SURVEY 2018, OBSTRUCTION SURVEY 2018; SUPPLEMENTED WITH 5010 AIRPORT MASTER RECORD AND AIRPORT AVN DATA SHEET.	
8.	MAGNETIC DECLINATION SOURCE: NATIONAL GEOPHYSICAL DATA CENTER, JULY 2019.	
9.	EXISTING APPROACH MINIMUMS, APPROACH CATEGORY AND DEPARTURE PROCEDURES BASED ON PUBLISHED APPROACH PLATES.	
10.	RUNWAY DESIGNATIONS HAVE CHANGED DUE MAGNETIC DECLINATION AND WILL BE RE-DESIGNATED TO 13/31.	

	EXISTING	FUTURE
AIRPORT REFERENCE CODE	C-III	D-V
MEAN MAX. TEMPERATURE (HOTTEST MONTH)	108.4°F (JULY)	SAME
AIRPORT ELEVATION (AMSL) (NOTE 8)	1384.1'	SAME
AIRPORT & TERMINAL NAVAIDS	ILS, LOC, VOR, TACAN (RW30C), PAPI, REILS, BEACON	SAME
AIRPORT REFERENCE POINT (ARP) NAD 83 EXISTING FUTURE	N 33° 18' 28.2" W 111° 39' 19.7"	N 33° 18' 26.7" W 111° 39' 18.6"
MISCELLANEOUS FACILITIES	ATCT, ASR-8, WINDCONES, ATIS/ASOS, MITL RUNWAY LIGHTS	SAME
GPS APPROACHES	RNAV(GPS) 12C RNAV(GPS) 12R30R RNAV(RNP) 2 30C RNAV(GPS) Y 30C	SAME SAME SAME SAME RNAV(GPS)12L/30R
CRITICAL AIRCRAFT (NOTE 6)	AIRBUS A320	BOEING 747-400
WINGSPAN	111.9' ADG III	213' ADG V
UNDERCARRIAGE	29.4'	41.3'
APPROACH SPEED	136 KNOTS ADG III	158 KNOTS ADG V
MAGNETIC VARIATION (DATE) (NOTE 8)	10°8'E (JULY 2019)	SAME
NPIAS SERVICE LEVEL	PRIMARY	SAME
STATE (AZ) EQUIVALENT SERVICE ROLE	PRIMARY COMM SERV	SAME
COMBINED WIND COVERAGE % (20kt,16kt,13kt,10.5kt)	99.84,99.51,98.6,97.66	SAME

3



SPONSOR APPROVAL & REVISIONS

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

DATE

NOTES

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- 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. 1358.1
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. 1379.9
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. 1369.1
42	OFFICE BUILDING	EL. 1383.1
43	OFFICE BUILDING	EL. 1375.6
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-3 (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. 1396.7
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. 1371.1'
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		N/A
AVIATION EASEMENT		N/A
AIRPORT BUILDINGS		
AIRFIELD PAVEMENT		
AIRFIELD PAVEMENT TO BE REMOVED		
PAVED ROADS		
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 OBSTACLE 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

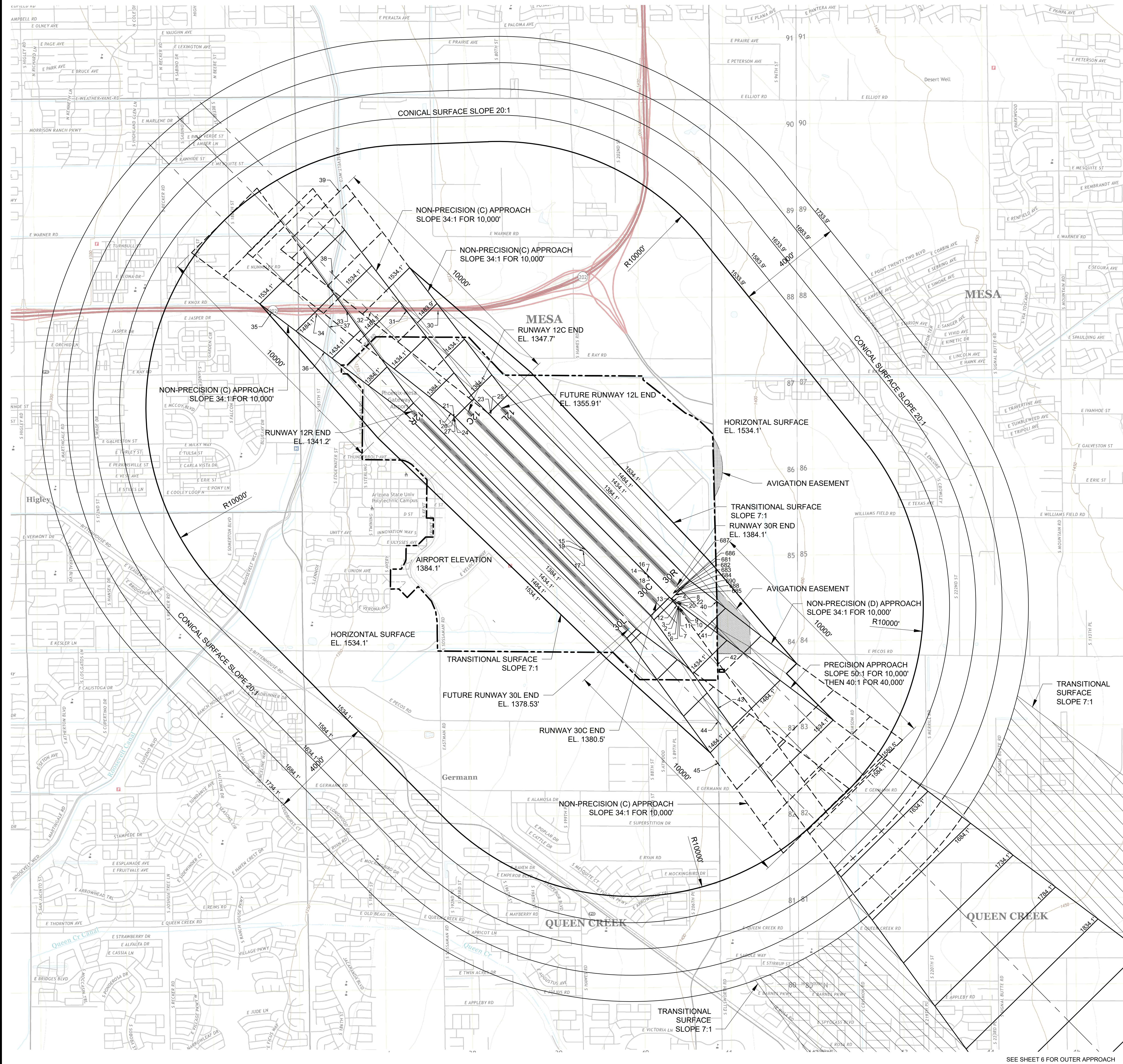
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DATE: MARCH 2020
DESIGNED BY: M&H
DRAWN BY: JWB
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SHEET CONTENTS
FUTURE AIRPORT
LAYOUT PLAN

SHEET NO.

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PART 77 OBSTRUCTIONS

NUMBER	DESCRIPTION	TOP ELEVATION (MSL)	PENETRATION	SURFACE	HEIGHT ABOVE GROUND	GROUND EL.	DISPOSITION
1	ACCESS ROAD	1354.8	0.5	12C APPROACH	10.0	1344.8	TO REMAIN
2	ACCESS ROAD	1393.1	2.8	30C APPROACH	10.0	1383.1	TO REMAIN
3	ACCESS ROAD	1393.1	2.7	30C APPROACH	10.0	1383.1	TO REMAIN
4	TREETOP	1387.2	2.6	30C APPROACH	6.2	1381.0	REMOVE
5	ACCESS ROAD	1392.8	2.6	30C APPROACH	10.0	1382.8	TO REMAIN
6	ACCESS ROAD	1392.7	2.4	30C APPROACH	10.0	1382.7	TO REMAIN
7	ACCESS ROAD	1392.9	2.0	30C APPROACH	10.0	1382.9	TO REMAIN
8	TREETOP	1388.4	1.4	30C APPROACH	6.6	1381.8	REMOVE
9	ACCESS ROAD	1388.4	1.1	30C APPROACH	10.0	1383.4	TO REMAIN
10	ACCESS ROAD	1393.4	1.1	30C APPROACH	10.0	1383.4	TO REMAIN
11	ACCESS ROAD	1393.3	1.0	30C APPROACH	10.0	1383.3	TO REMAIN
12	TREETOP	1389.2	0.4	30C APPROACH	6.9	1382.3	REMOVE
13	TREETOP	1388.6	0.4	30C APPROACH	6.1	1382.5	REMOVE
14	ANTENNA	1408.6	31.6	30C PRIMARY	32.2	1376.4	TO REMAIN
15	VOR	1400.1	27.9	30C TRANS.	34.0	1366.1	TO REMAIN
16	ANTENNA	1408.5	23.1	30C TRANS.	32.3	1376.2	TO REMAIN
17	UTILITY POLE	1401.7	15.2	30C TRANS.	37.0	1364.7	TO REMAIN
18	BLDG PEAK ELEV	1384.7	7.7	30C TRANS.	8.4	1376.3	TO BE LIGHTED
19	ANTENNA	1392.2	6.2	30C TRANS.	27.3	1364.9	TO REMAIN
20	ACCESS ROAD	1392.0	2.7	30R APPROACH	10.0	1382.0	TO REMAIN
21	ACCESS ROAD	1355.4	2.1	30C TRANS.	10.0	1345.4	TO REMAIN
22	ACCESS ROAD	1391.9	1.4	30R APPROACH	10.0	1381.9	TO REMAIN
23	ACCESS ROAD	1359.9	4.0	PRIMARY	10.0	1349.9	TO REMAIN
24	ACCESS ROAD	1355.2	0.7	30C TRANS.	10.0	1345.2	TO REMAIN
25	ACCESS ROAD	1360.4	4.5	PRIMARY	10.0	1350.4	TO REMAIN
26	ACCESS ROAD	1355.5	0.4	30C TRANS.	10.0	1345.5	TO REMAIN
27	ACCESS ROAD	1355.8	0.2	30C TRANS.	10.0	1345.8	TO REMAIN
681	ACCESS ROAD	1390.4	6.3	PRIMARY	10.0	1380.4	TO REMAIN
682	ACCESS ROAD	1390.4	6.3	PRIMARY	10.0	1380.4	TO REMAIN
683	ACCESS ROAD	1390.4	6.3	PRIMARY	10.0	1380.4	TO REMAIN
684	ACCESS ROAD	1390.4	6.3	PRIMARY	10.0	1380.4	TO REMAIN
685	ACCESS ROAD	1388.7	3.3	30R APPROACH	10.0	1378.7	TO REMAIN
686	ACCESS ROAD	1390.2	6.1	PRIMARY	10.0	1380.2	TO REMAIN
687	ACCESS ROAD	1390.2	6.1	PRIMARY	10.0	1380.2	TO REMAIN
688	ACCESS ROAD	1388.8	4.7	30R APPROACH	10.0	1378.8	TO REMAIN
690	ACCESS ROAD	1388.7	4.6	30R APPROACH	10.0	1378.7	TO REMAIN

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL

SIGNIFICANT OBJECTS

NUMBER	DESCRIPTION	TOP ELEVATION (MSL)	PENETRATION	SURFACE	HEIGHT ABOVE GROUND	GROUND EL.	DISPOSITION
30	INTERSTATE	1382.0	-1498.0	RW12L APP	17.0	1365.0	TO REMAIN
31	INTERSTATE	1369.9	-122.1	RW12L APP	17.0	1352.9	TO REMAIN
32	INTERSTATE	1359.4	-150.6	RW12C APP	17.0	1342.4	TO REMAIN
33	INTERSTATE	1372.0	-103.0	RW12C APP	17.0	1355.0	TO REMAIN
34	INTERSTATE	1357.9	-138.1	RW12R APP	17.0	1340.9	TO REMAIN
35	INTERSTATE	1347.6	-169.4	RW12R APP	17.0	1330.6	TO REMAIN
36	CANAL	1330.1	-109.9	RW12R APP	0.0	1330.1	TO REMAIN
37	CANAL	1330.0	-128.0	RW12R APP	0.0	1330.0	TO REMAIN
38	CANAL	1330.0	-228.0	RW12C APP	0.0	1330.0	TO REMAIN
39	CANAL	1330.0	-204.0	HORIZONTAL	0.0	1330.0	TO REMAIN
40	ROADWAY	1401.5	-35.4	RW30R APP	15.0	1386.5	TO REMAIN
41	ROADWAY	1402.7	-53.3	RW30C APP	15.0	1387.7	TO REMAIN
42	ROADWAY	1404.3	-50.8	RW30C APP	15.0	1389.3	TO REMAIN
43	ROADWAY	1405.0	-62.5	RW30C APP	15.0	1390.0	TO REMAIN
44	ROADWAY	1405.0	-63.5	RW30L APP	15.0	1390.0	TO REMAIN
45	ROADWAY	1410.0	-89.0	HORIZONTAL	15.0	1395.0	TO REMAIN
46	ROADWAY	1495.0	-583.0	RW30C APP	15.0	1480.0	TO REMAIN
47	ROADWAY	1500.5	-689.5	RW30C APP	15.0	1485.5	TO REMAIN
48	ROADWAY	1495.0	-854.0	RW30C APP	15.0	1480.0	TO REMAIN

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL
NEGATIVE PENETRATION VALUE REPRESENTS END ELEVATION BELOW SURFACE

REVISIONS & NOTES

NO.	DESCRIPTION	DATE

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- A015 DATA PROVIDED BY MARTINEZ GEOSPATIAL (SURVEY MAY 2, 2016).
- USGS MAPS HIGLEY, AZ 2018 & SAGATON NE, AZ 2018.
- MAGNETIC DECLINATION CALCULATED BY NATIONAL GEOPHYSICAL DATA CENTER.
- RUNWAY ENDS, PART 77 SURFACE CONTOURS AND OBSTRUCTION ELEVATIONS ARE SHOWN IN NAD83 AND NAVD88. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (MSL).
- FOR OUTER APPROACH PLANS TO RUNWAY 30C SEE SHEET 6.
- FOR APPROACH PROFILES, SEE SHEETS 7 THROUGH 9.
- FOR CLOSE-IN OBSTRUCTION DETAIL NEAR EACH RUNWAY END, SEE INNER APPROACH PLANS, SHEETS 10 THROUGH 15.
- FOR DEPARTURE SURFACES, SEE SHEETS 16 THROUGH 19.

* PER PART 77, 15 FEET VERTICAL CLEARANCE ADDED TO ROAD ELEVATIONS, 17 FEET ADDED TO INTERSTATES AND 23 FEET ADDED TO RAILROADS.

DRAWING LEGEND

AIRPORT PROPERTY LINE	---
AVIGATION EASEMENT	---
RUNWAYS	---
PART 77 CONTROLLING SURFACE	---
PART 77 NON-CONTROLLING SURFACE	---

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PHOENIX-MESA GATEWAY AIRPORT
AIRPORT LAYOUT PLAN

5835 S SOSSMAN RD
MESA, AZ 85212

ISSUED

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M&H NO.: 2327700-171799.01
DATE: MARCH 2020
DESIGNED BY: M&H
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CHECKED BY: BJM
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SHEET CONTENTS
PART 77 AIRSPACE
PLAN - CONICAL
SURFACE

SHEET NO.

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SIGNIFICANT OBJECTS							
NUMBER	DESCRIPTION	TOP ELEVATION (MSL)	PENETRATION	SURFACE	HEIGHT ABOVE GROUND	GROUND EL.	DISPOSITION
45	ROADWAY	1410.0	-89.0	HORIZONTAL	15.0	1395.0	TO REMAIN
46	ROADWAY	1495.0	-583.0	RW30C APP	15.0	1480.0	TO REMAIN
47	ROADWAY	1500.5	-699.5	RW30C APP	15.0	1485.5	TO REMAIN
48	ROADWAY	1495.0	-854.0	RW30C APP	15.0	1480.0	TO REMAIN

MEASUREMENTS ARE IN FEET
(MSL) MEAN SEA LEVEL
NEGATIVE PENETRATION VALUE REPRESENTS END ELEVATION BELOW SURFACE

REVISIONS & NOTES

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- FOR APPROACH PROFILES, SEE SHEETS 7 THROUGH 9.
- FOR CLOSE-IN OBSTRUCTION DETAIL NEAR EACH RUNWAY END, SEE INNER-APPROACH PLANS, SHEETS 10 THROUGH 15.
- FOR DEPARTURE SURFACES, SEE SHEETS 16 THROUGH 19.

* PER PART 77, 15 FEET VERTICAL CLEARANCE ADDED TO ROAD ELEVATIONS, 17 FEET ADDED TO INTERSTATES AND 23 FEET ADDED TO RAILROADS.

DRAWING LEGEND

AIRPORT PROPERTY LINE	---
AVIGATION EASEMENT	---
RUNWAYS	---
PART 77 CONTROLLING SURFACE	---
PART 77 NON-CONTROLLING SURFACE	---

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PHOENIX-MESA GATEWAY AIRPORT AIRPORT LAYOUT PLAN

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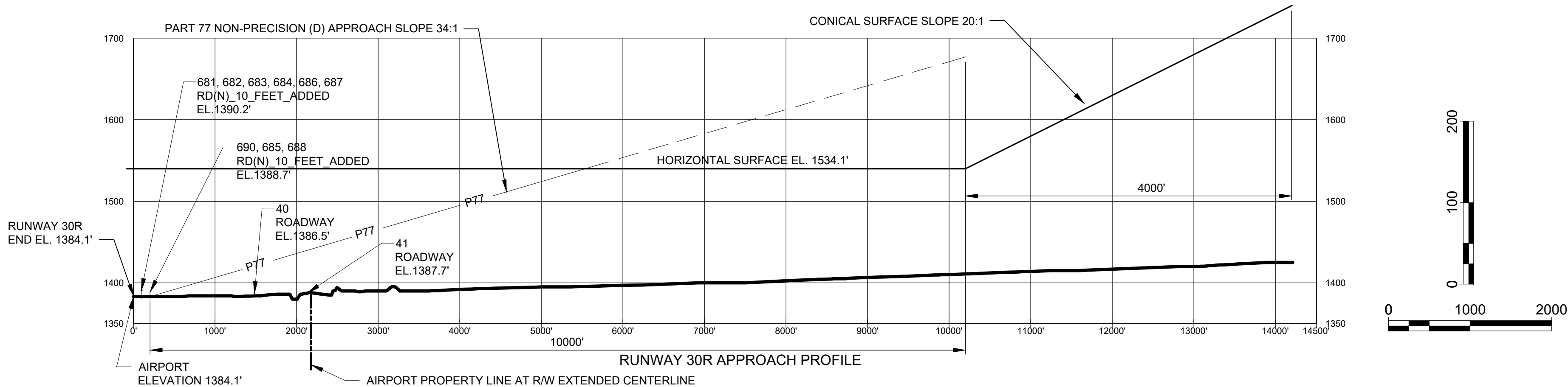
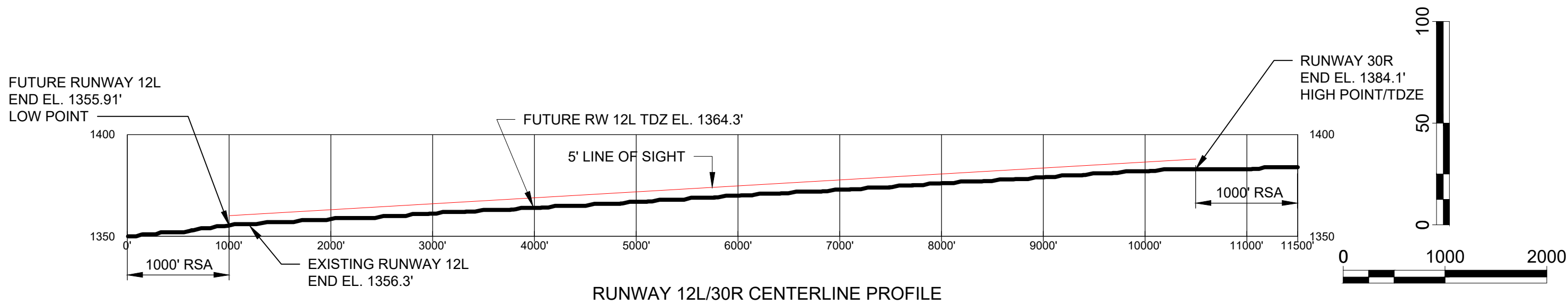
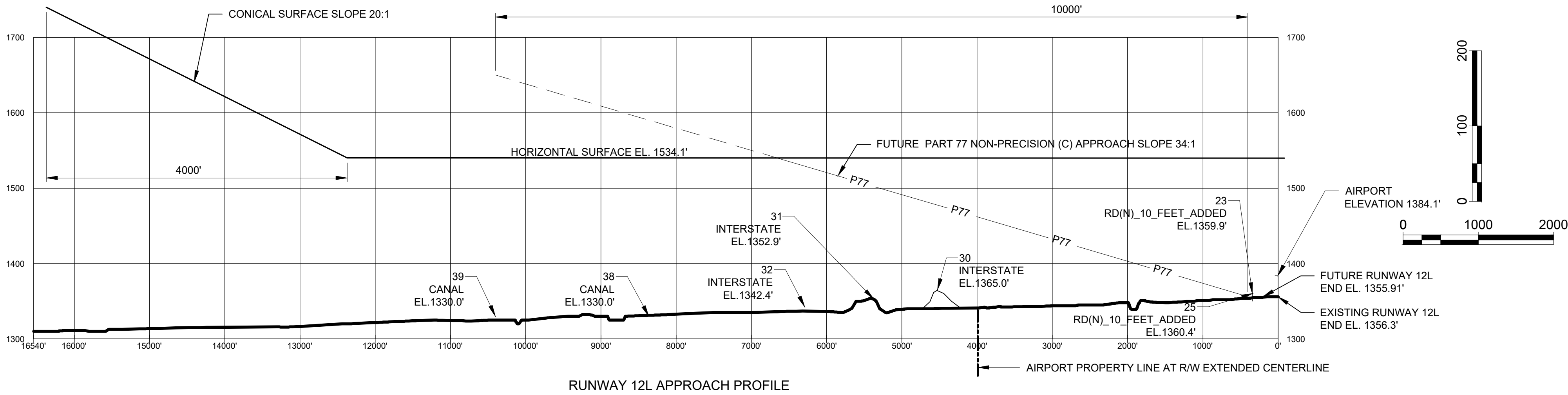
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SHEET CONTENTS
PART 77 OUTER APPROACHES

SHEET NO.

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PART 77 OBSTRUCTIONS

NUMBER	DESCRIPTION	TOP ELEVATION (MSL)	PENETRATION	SURFACE	HEIGHT ABOVE GROUND	GROUND EL.	DISPOSITION
20	ACCESS ROAD	1392.0	2.7	30R APPROACH	10.0	1382.0	TO REMAIN
22	ACCESS ROAD	1391.9	1.4	30R APPROACH	10.0	1381.9	TO REMAIN
23	ACCESS ROAD	1359.9	4.0	PRIMARY	10.0	1349.9	TO REMAIN
25	ACCESS ROAD	1360.4	4.5	PRIMARY	10.0	1350.4	TO REMAIN
681	ACCESS ROAD	1390.4	6.3	PRIMARY	10.0	1380.4	TO REMAIN
682	ACCESS ROAD	1390.4	6.3	PRIMARY	10.0	1380.4	TO REMAIN
683	ACCESS ROAD	1390.4	6.3	PRIMARY	10.0	1380.4	TO REMAIN
684	ACCESS ROAD	1390.4	6.3	PRIMARY	10.0	1380.4	TO REMAIN
685	ACCESS ROAD	1388.7	3.3	30R APPROACH	10.0	1378.7	TO REMAIN
686	ACCESS ROAD	1380.2	6.1	PRIMARY	10.0	1380.2	TO REMAIN
687	ACCESS ROAD	1380.2	6.1	PRIMARY	10.0	1380.2	TO REMAIN
688	ACCESS ROAD	1388.8	4.7	30R APPROACH	10.0	1378.8	TO REMAIN
690	ACCESS ROAD	1388.7	4.6	30R APPROACH	10.0	1378.7	TO REMAIN

SIGNIFICANT OBJECTS

NUMBER	DESCRIPTION	TOP ELEVATION (MSL)	PENETRATION	SURFACE	HEIGHT ABOVE GROUND	GROUND EL.	DISPOSITION
30	INTERSTATE	1382.0	-1496.0	RW12L APP		17.0	1365.0 TO REMAIN
31	INTERSTATE	1369.9	-122.1	RW12L APP		17.0	1352.9 TO REMAIN
32	INTERSTATE	1359.4	-150.6	RW12C APP		17.0	1342.4 TO REMAIN
38	CANAL	1330.0	-228.0	RW12C APP		0.0	1330.0 TO REMAIN
39	CANAL	1330.0	-204.0	HORIZONTAL		0.0	1330.0 TO REMAIN
40	ROADWAY	1401.5	-68.5	RW30R APP		15.0	1386.5 TO REMAIN
41	ROADWAY	1402.7	-42.4	RW30C APP		15.0	1387.7 TO REMAIN

MEASUREMENTS ARE IN FEET
(MSL) MEAN SEA LEVEL
NEGATIVE PENETRATION VALUE REPRESENTS END ELEVATION BELOW SURFACE

REVISIONS & NOTES

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DRAWING LEGEND

AIRPORT PROPERTY LINE	----
PART APPROACH SURFACE	----
PART 77 CONTROLLING SURFACE	----
PART 77 NON-CONTROLLING SURFACE	----
TERRAIN PROFILE	----

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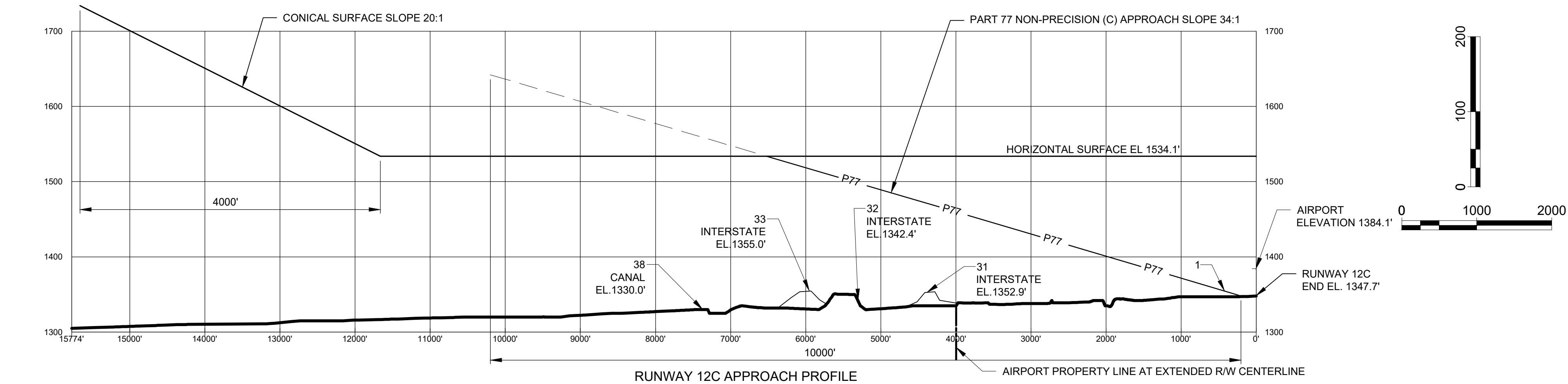
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SHEET CONTENTS
PART 77 APPROACH
PROFILES RUNWAY
12L-30R

SHEET NO.

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PART 77 OBSTRUCTIONS

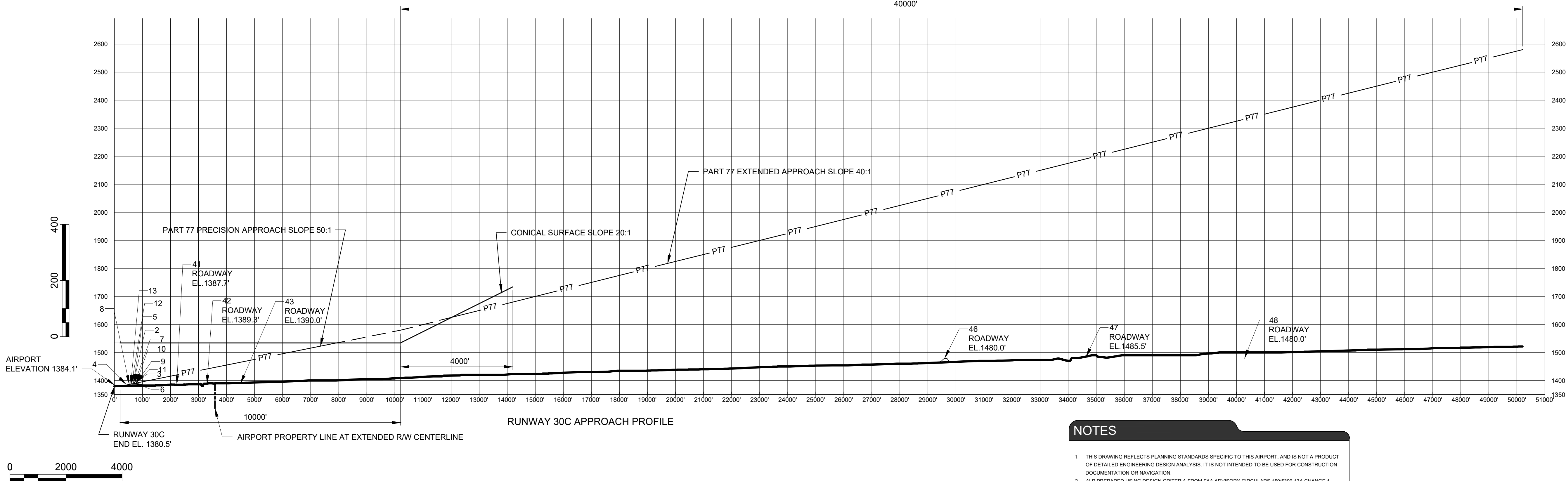
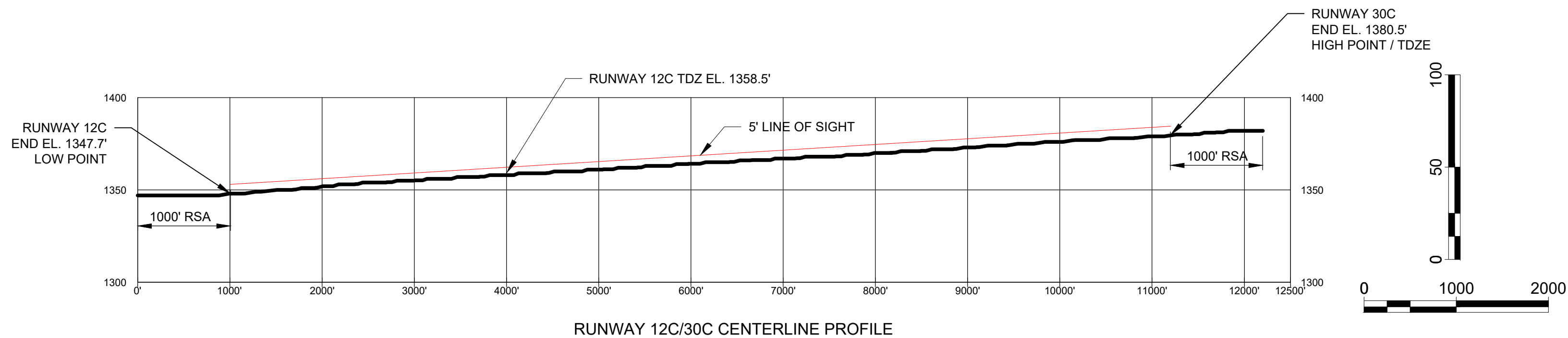
NUMBER	DESCRIPTION	TOP ELEVATION (MSL)	PENETRATION	SURFACE	HEIGHT ABOVE GROUND	GROUND EL	DISPOSITION
1	ACCESS ROAD	1354.8	0.5	12C APPROACH		10.0	1344.8 TO REMAIN
2	ACCESS ROAD	1393.1	2.8	30C APPROACH		10.0	1383.1 TO REMAIN
3	ACCESS ROAD	1393.1	2.7	30C APPROACH		10.0	1383.1 TO REMAIN
4	TREETOP	1387.2	2.6	30C APPROACH		6.2	1381.0 REMOVE
5	ACCESS ROAD	1392.8	2.6	30C APPROACH		10.0	1382.8 TO REMAIN
6	ACCESS ROAD	1392.7	2.4	30C APPROACH		10.0	1382.7 TO REMAIN
7	ACCESS ROAD	1392.9	2.0	30C APPROACH		10.0	1382.9 TO REMAIN
8	TREETOP	1388.4	1.4	30C APPROACH		6.6	1381.8 REMOVE
9	ACCESS ROAD	1393.4	1.1	30C APPROACH		10.0	1383.4 TO REMAIN
10	ACCESS ROAD	1393.4	1.1	30C APPROACH		10.0	1383.4 TO REMAIN
11	ACCESS ROAD	1393.3	1.0	30C APPROACH		10.0	1383.3 TO REMAIN
12	TREETOP	1389.2	0.4	30C APPROACH		6.9	1382.3 REMOVE
13	TREETOP	1388.6	0.4	30C APPROACH		6.1	1382.5 REMOVE

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL

SIGNIFICANT OBJECTS

NUMBER	DESCRIPTION	TOP ELEVATION (MSL)	PENETRATION	SURFACE	HEIGHT ABOVE GROUND	GROUND EL	DISPOSITION
31	INTERSTATE	1369.9	-122.1	RW12C APP	17.0	1352.9	TO REMAIN
32	INTERSTATE	1359.4	-150.6	RW12C APP	17.0	1342.4	TO REMAIN
33	INTERSTATE	1372.0	-103.0	RW12C APP	17.0	1355.0	TO REMAIN
38	CANAL	1330.0	-228.0	RW12C APP	0.0	1330.0	TO REMAIN
41	ROADWAY	1402.6	-42.4	RW30C APP	15.0	1387.7	TO REMAIN
42	ROADWAY	1404.3	-50.8	RW30C APP	15.0	1389.3	TO REMAIN
43	ROADWAY	1405.0	-62.5	RW30C APP	15.0	1390.0	TO REMAIN
46	ROADWAY	1495.0	-583.0	RW30C APP	15.0	1480.0	TO REMAIN
47	ROADWAY	1500.5	-699.5	RW30C APP	15.0	1485.5	TO REMAIN
48	ROADWAY	1495.0	-854.0	RW30C APP	15.0	1480.0	TO REMAIN

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL
NEGATIVE PENETRATION VALUE REPRESENTS END ELEVATION BELOW SURFACE



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REVISIONS

NO.	DESCRIPTION	DATE

DRAWING LEGEND

AIRPORT PROPERTY LINE	----
PART 77 APPROACH SURFACE	-----P77-----
PART 77 CONTROLLING SURFACE	-----
PART 77 NON-CONTROLLING SURFACE	-----
TERRAIN PROFILE	~~~~~

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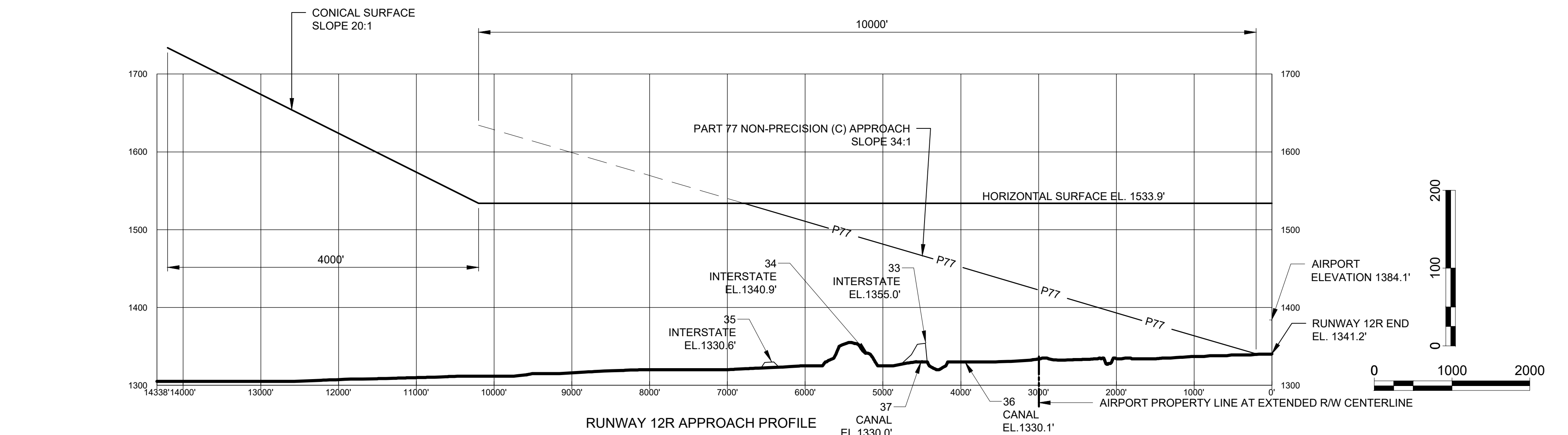
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SHEET CONTENTS
PART 77 APPROACH
PROFILES RUNWAY
12C-30C

SHEET NO.

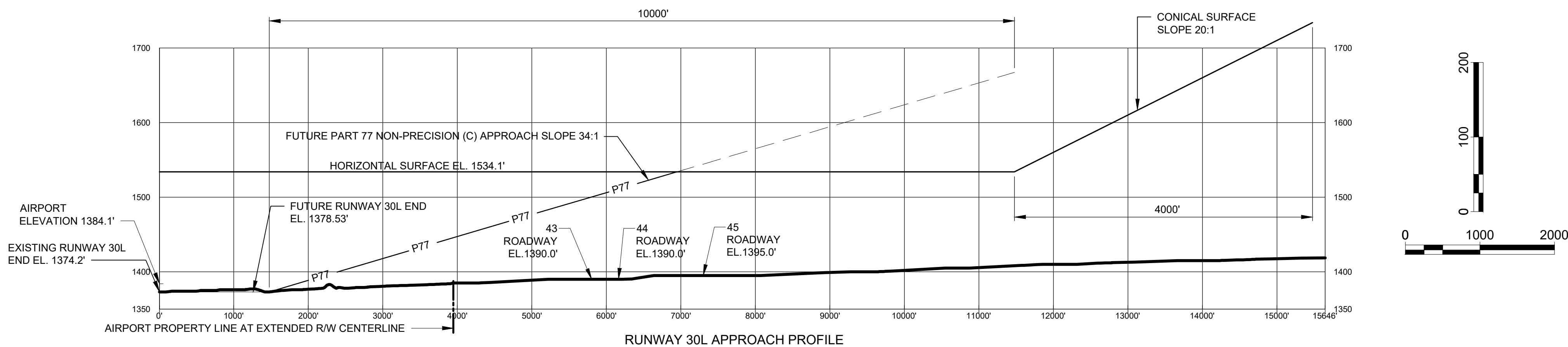
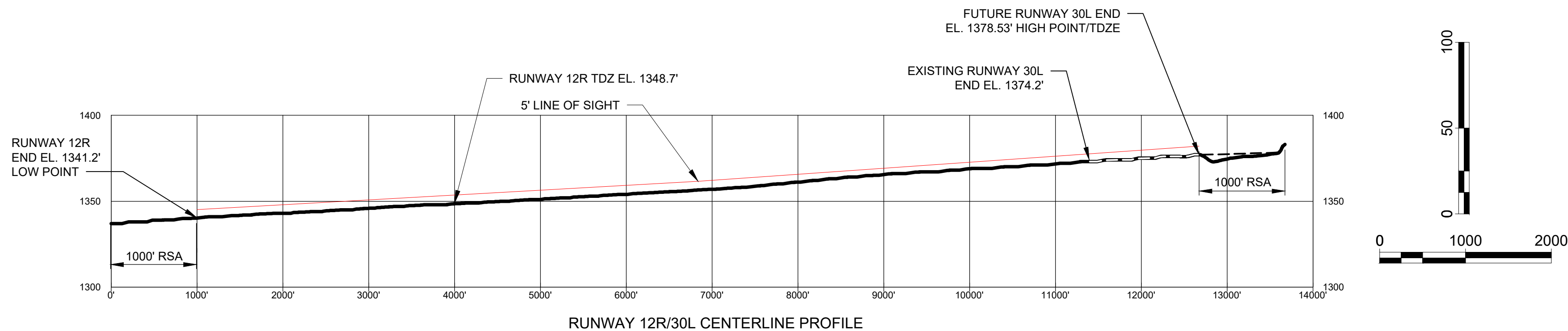
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SIGNIFICANT OBJECTS

NUMBER	DESCRIPTION	TOP ELEVATION (MSL)	PENETRATION	SURFACE	HEIGHT ABOVE GROUND	GROUND EL.	DISPOSITION
33	INTERSTATE	1372.0	-.103.0	RW12C APP	17.0	1355.0	TO REMAIN
34	INTERSTATE	1357.9	-.139.1	RW12R APP	17.0	1340.9	TO REMAIN
35	INTERSTATE	1347.6	-.169.4	RW12R APP	17.0	1330.6	TO REMAIN
36	CANAL	1330.1	-.109.9	RW12R APP	0.0	1330.1	TO REMAIN
37	CANAL	1330.0	-.128.0	RW12R APP	0.0	1330.0	TO REMAIN
43	ROADWAY	1405.0	-.62.5	RW30C APP	15.0	1390.0	TO REMAIN
44	ROADWAY	1405.0	-.63.5	RW30L APP	15.0	1390.0	TO REMAIN
45	ROADWAY	1410.0	-.89.0	HORIZONTAL	15.0	1395.0	TO REMAIN

MEASUREMENTS ARE IN FEET
(MSL) MEAN SEA LEVEL
NEGATIVE PENETRATION VALUE REPRESENTS END ELEVATION BELOW SURFACE



REVISIONS & NOTES

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DRAWING LEGEND

AIRPORT PROPERTY LINE	=====
PART APPROACH SURFACE	-----P77-----
PART 77 CONTROLLING SURFACE	-----
PART 77 NON-CONTROLLING SURFACE	-----
TERRAIN PROFILE	~~~~~

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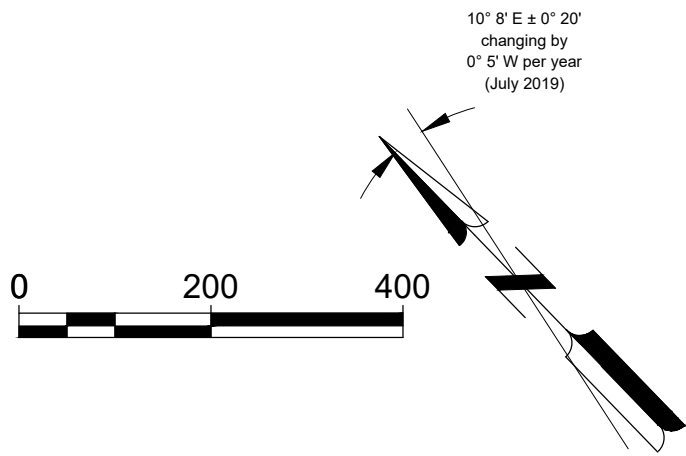
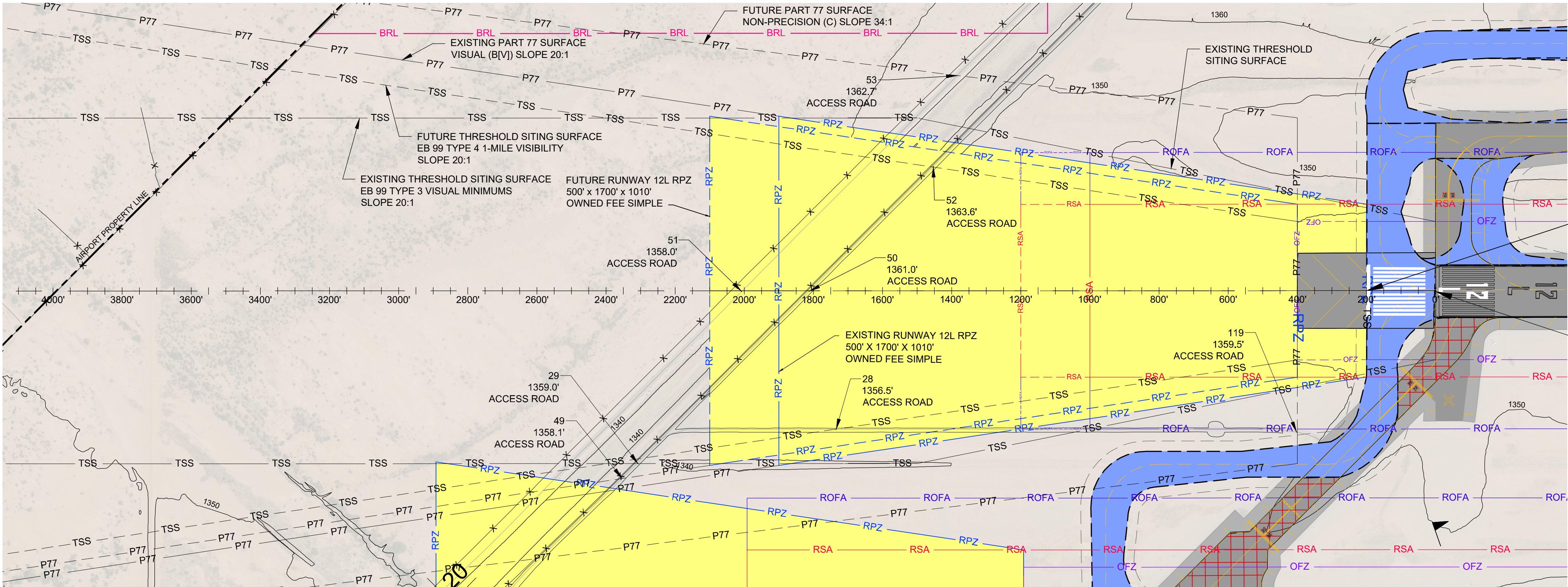
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SHEET CONTENTS
PART 77 APPROACH
PROFILES RUNWAY
12R-30L

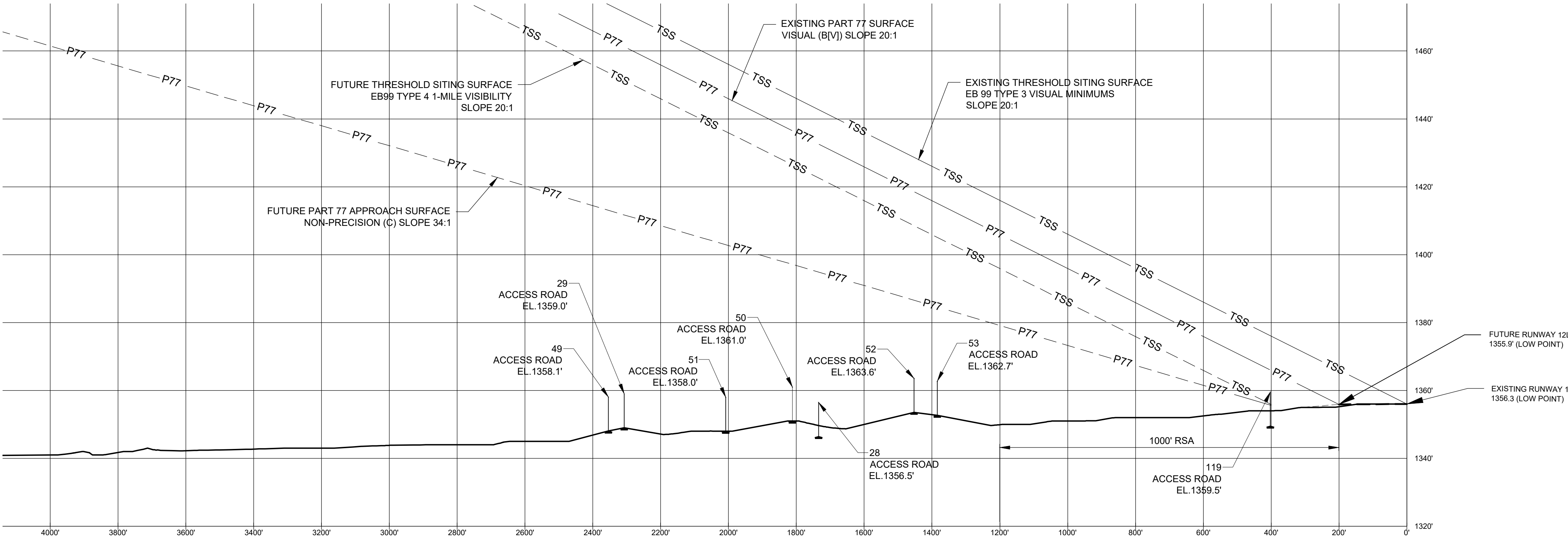
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FUTURE RUNWAY 12L
1355.9' (LOW POINT)
33° 19' 04.752° N
111° 39' 42.358° W

EXISTING RUNWAY 12L
1356.3' (LOW POINT)
33° 19' 03.323° N
111° 39' 40.726° W



NOTE: TERRAIN PROFILE REPRESENTS THE COMPOSITE ELEVATION ALONG THE LENGTH AND ACROSS THE WIDTH OF THE APPROACH SURFACE.

APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
28	ACCESS ROAD	TO REMAIN	1356.50	10	APPROACH	1395.20	NONE
29	ACCESS ROAD	TO REMAIN	1359.00	10	APPROACH	1416.70	NONE
49	ACCESS ROAD	TO REMAIN	1358.10	10	APPROACH	1413.10	NONE
50	ACCESS ROAD	TO REMAIN	1361.00	10	APPROACH	1397.10	NONE
51	ACCESS ROAD	TO REMAIN	1358.00	10	APPROACH	1402.90	NONE
52	ACCESS ROAD	TO REMAIN	1363.60	10	APPROACH	1386.80	NONE
53	ACCESS ROAD	TO REMAIN	1362.70	10	APPROACH	1384.70	NONE
119	ACCESS ROAD	TO REMAIN	1359.50	10	APPROACH	NONE	3.9

REVISIONS & NOTES

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DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	---
AIRFIELD PAVEMENT	---	---
AIRFIELD PAVEMENT TO BE REMOVED	N/A	---
PAVED ROADS	---	---
RUNWAY PROTECTION ZONE	---	---
PART 77 APPROACH SURFACE	---	---
THRESHOLD SITING SURFACE	---	---
BUILDING RESTRICTION LINE	---	---
RUNWAY OBSTACLE FREE ZONE	---	---
RUNWAY SAFETY AREA	---	---
RUNWAY OBJECT FREE AREA	---	---
AIRPORT SECURITY FENCE (8' HEIGHT)	---	---
APRON/TAXIWAY/TAXILANE MARKING	---	---
WIND CONE	---	---

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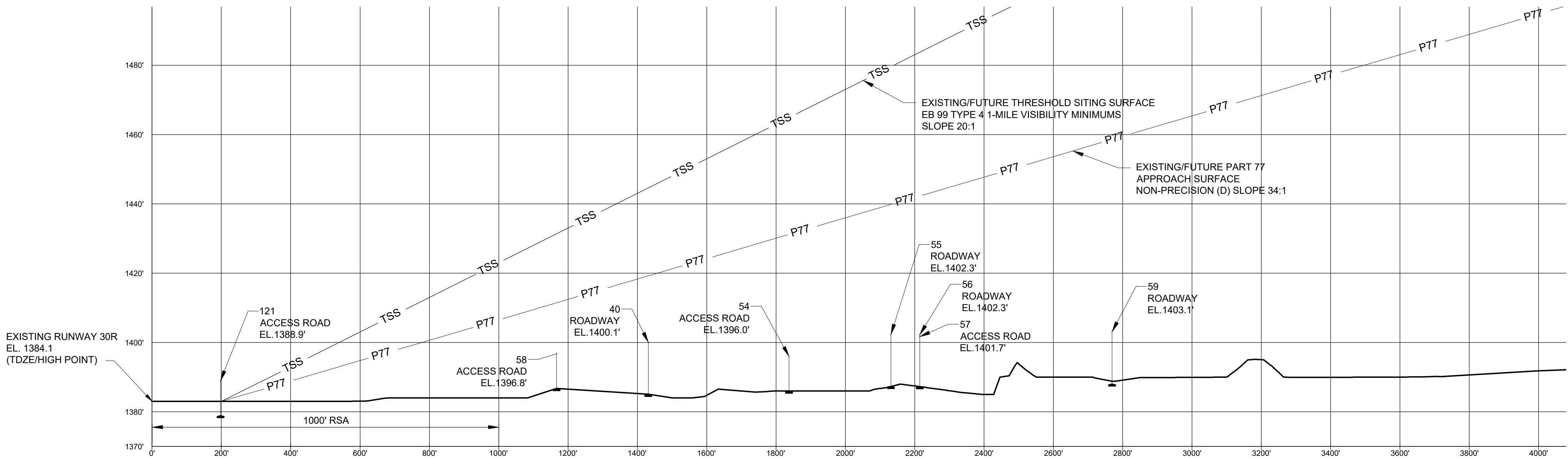
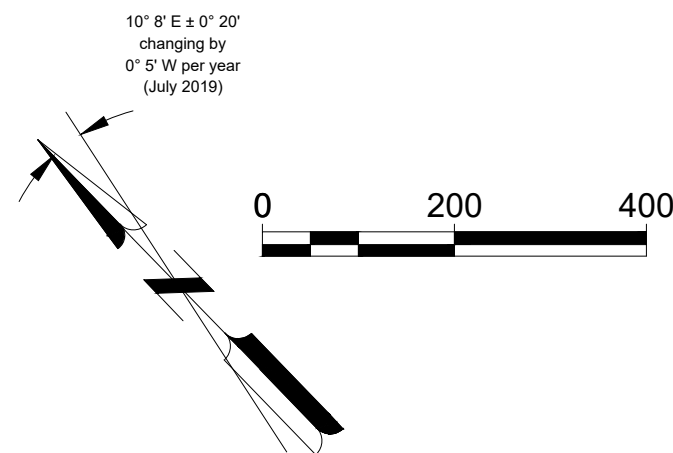
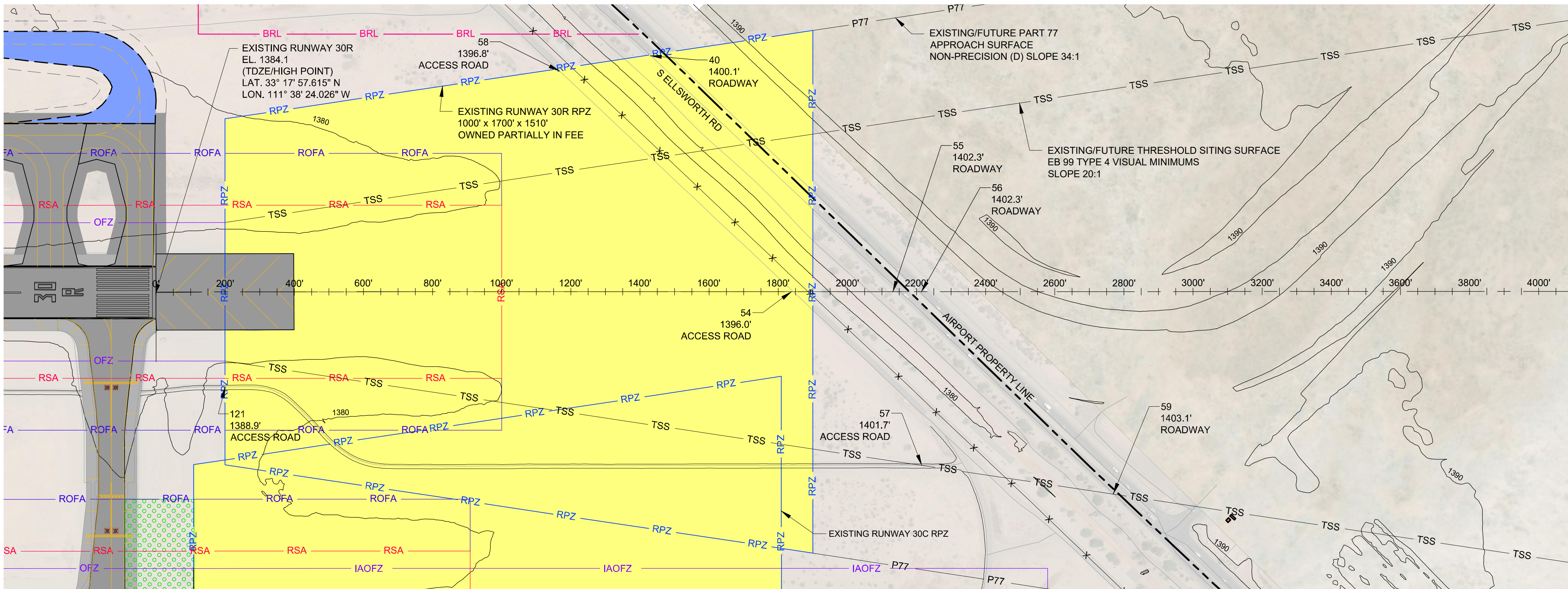
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SHEET CONTENTS
RUNWAY 12L INNER
PORTION OF THE
APPROACH SURFACE

SHEET NO.

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NOTE: TERRAIN PROFILE REPRESENTS THE COMPOSITE ELEVATION ALONG THE LENGTH AND ACROSS THE WIDTH OF THE APPROACH SURFACE.

APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
40	ROADWAY	TO REMAIN	1401.5	15	APPROACH	1454.6	NONE
55	ROADWAY	TO REMAIN	1402.3	15	APPROACH	1479.5	NONE
56	ROADWAY	TO REMAIN	1402.3	15	APPROACH	1483.7	NONE
57	ACCESS ROAD	TO REMAIN	1396.0	10	APPROACH	1467.0	NONE
58	ACCESS ROAD	TO REMAIN	1396.0	10	APPROACH	1439.9	NONE
59	ROADWAY	TO REMAIN	1403.1	15	APPROACH	1513.9	NONE
121	ACCESS ROAD	TO REMAIN	1388.9	10	APPROACH	NONE	5.9

REVISIONS & NOTES

NO.	DESCRIPTION	DATE

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- PER PART 77, 15 FEET VERTICAL CLEARANCE ADDED TO ROAD ELEVATIONS, 17 FEET ADDED TO INTERSTATES AND 23 FEET ADDED TO RAILROADS.

DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	N/A
AIRFIELD PAVEMENT	---	---
PAVED ROADS	---	N/A
RUNWAY PROTECTION ZONE	---	N/A
PART 77 APPROACH SURFACE	---	N/A
THRESHOLD SITING SURFACE	---	N/A
BUILDING RESTRICTION LINE	---	N/A
RUNWAY OBSTACLE FREE ZONE	---	N/A
INNER APPROACH OBSTACLE FREE ZONE	---	N/A
PRECISION OBSTACLE FREE ZONE	---	N/A
RUNWAY SAFETY AREA	---	N/A
RUNWAY OBJECT FREE AREA	---	N/A
AIRPORT SECURITY FENCE (8' HEIGHT)	---	N/A
APRON/TAXIWAY/TAXILANE MARKING	---	N/A

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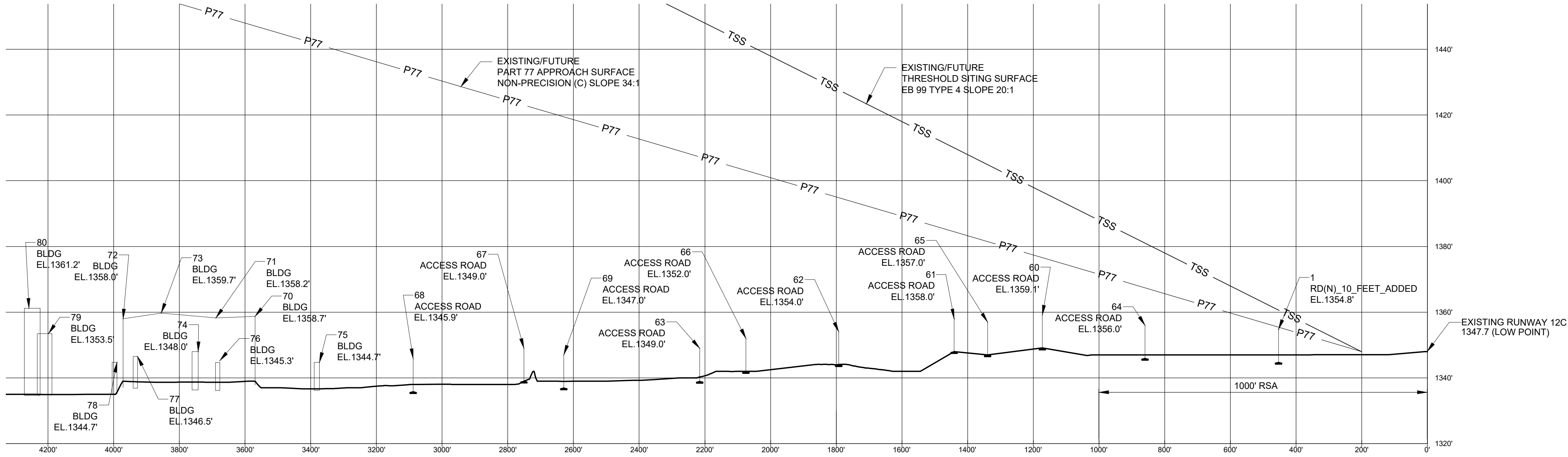
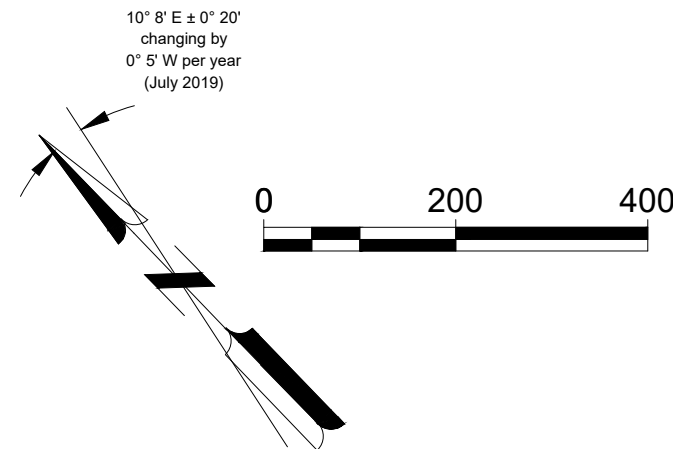
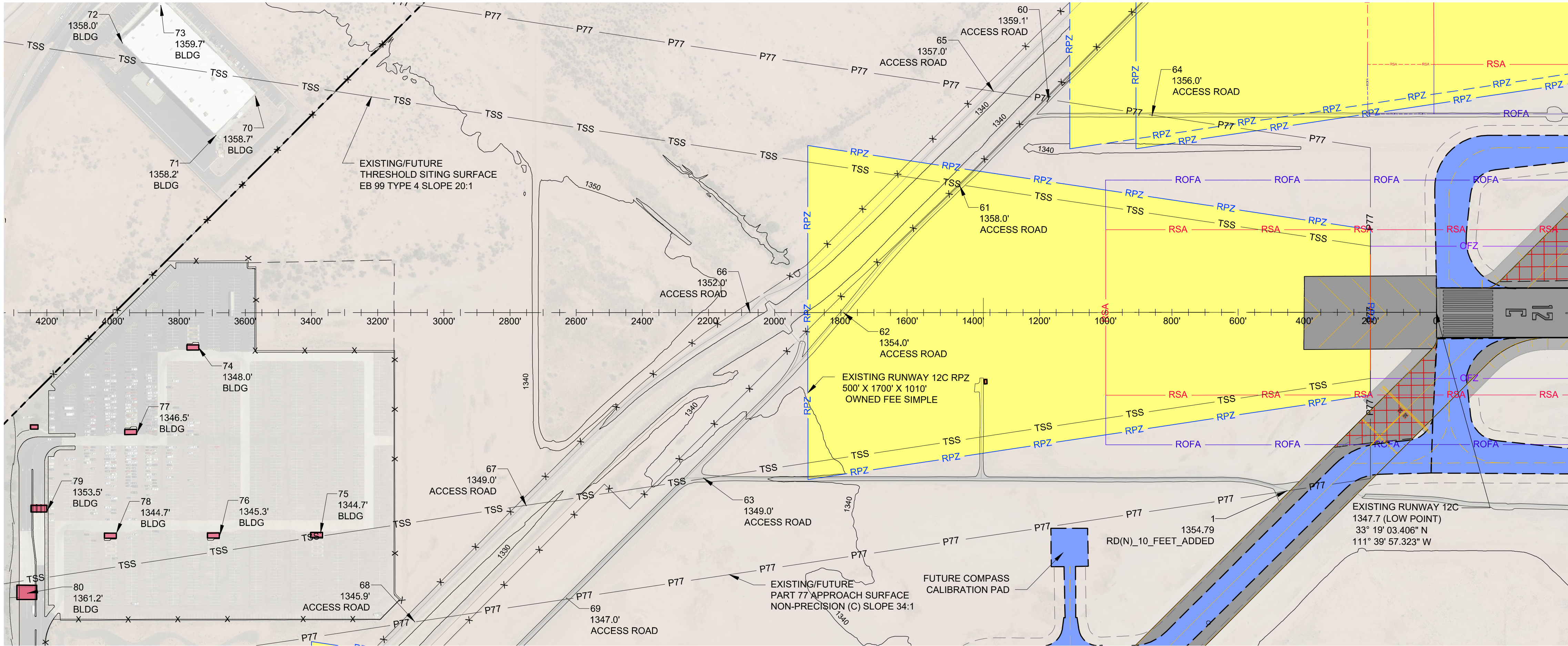
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M&H NO.: 2327700-171799.01
DATE: MARCH 2020
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DRAWN BY: JWB
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SHEET CONTENTS
RUNWAY 30R INNER
PORTION OF THE
APPROACH SURFACE

SHEET NO.

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NOTE: TERRAIN PROFILE REPRESENTS THE COMPOSITE ELEVATION ALONG THE LENGTH AND ACROSS THE WIDTH OF THE APPROACH SURFACE.

APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
1	ACCESS ROAD	TO REMAIN	1354.8	10	APPROACH	1355.4	NONE
60	ACCESS ROAD	TO REMAIN	1359.1	10	APPROACH	1376.5	NONE
61	ACCESS ROAD	TO REMAIN	1358.0	10	APPROACH	1384.4	NONE
62	ACCESS ROAD	TO REMAIN	1354.0	10	APPROACH	1394.7	NONE
63	ACCESS ROAD	TO REMAIN	1349.0	10	APPROACH	1407.2	NONE
64	ACCESS ROAD	TO REMAIN	1356.0	10	APPROACH	1367.4	NONE
65	ACCESS ROAD	TO REMAIN	1357.0	10	APPROACH	1381.4	NONE
66	ACCESS ROAD	TO REMAIN	1352.0	10	APPROACH	1403.1	NONE
67	ACCESS ROAD	TO REMAIN	1349.0	10	APPROACH	1423.0	NONE
68	ACCESS ROAD	TO REMAIN	1345.9	10	APPROACH	1432.9	NONE
69	ACCESS ROAD	TO REMAIN	1347.0	10	APPROACH	1419.4	NONE

APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
70	BUILDING	TO REMAIN	1358.7	20	APPROACH	1447.0	NONE
71	BUILDING	TO REMAIN	1358.2	20	APPROACH	1450.5	NONE
72	BUILDING	TO REMAIN	1358.0	20	APPROACH	1458.9	NONE
73	BUILDING	TO REMAIN	1359.7	20	APPROACH	1455.4	NONE
74	BUILDING	TO REMAIN	1348.0	10	APPROACH	1452.1	NONE
75	BUILDING	TO REMAIN	1344.7	10	APPROACH	1441.2	NONE
76	BUILDING	TO REMAIN	1344.7	10	APPROACH	1450.2	NONE
77	BUILDING	TO REMAIN	1346.5	10	APPROACH	1457.5	NONE
78	BUILDING	TO REMAIN	1344.7	10	APPROACH	1459.4	NONE
79	BUILDING	TO REMAIN	1350.8	18.5	APPROACH	1462.6	NONE
80	BUILDING	TO REMAIN	1350.8	26.2	APPROACH	1455.9	NONE

REVISIONS & NOTES

NO.	DESCRIPTION	DATE

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DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	---
AIRFIELD PAVEMENT	---	---
AIRFIELD PAVEMENT TO BE REMOVED	N/A	---
PAVED ROADS	---	---
RUNWAY PROTECTION ZONE	---	---
PART 77 APPROACH SURFACE	---	---
THRESHOLD SITING SURFACE	---	---
RUNWAY OBSTACLE FREE ZONE	---	---
RUNWAY SAFETY AREA	---	---
RUNWAY OBJECT FREE AREA	---	---
AIRPORT SECURITY FENCE (8' HEIGHT)	---	---
APRON/TAXIWAY/TAXILANE MARKING	---	---

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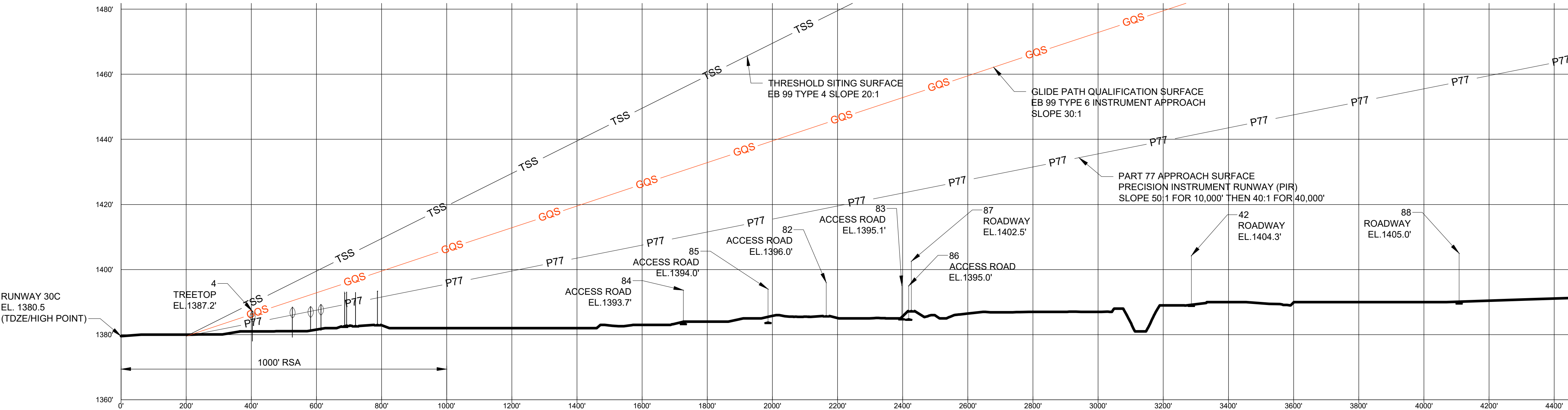
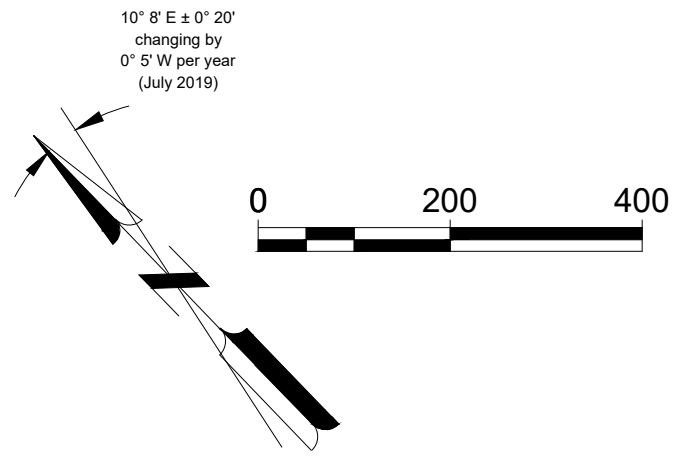
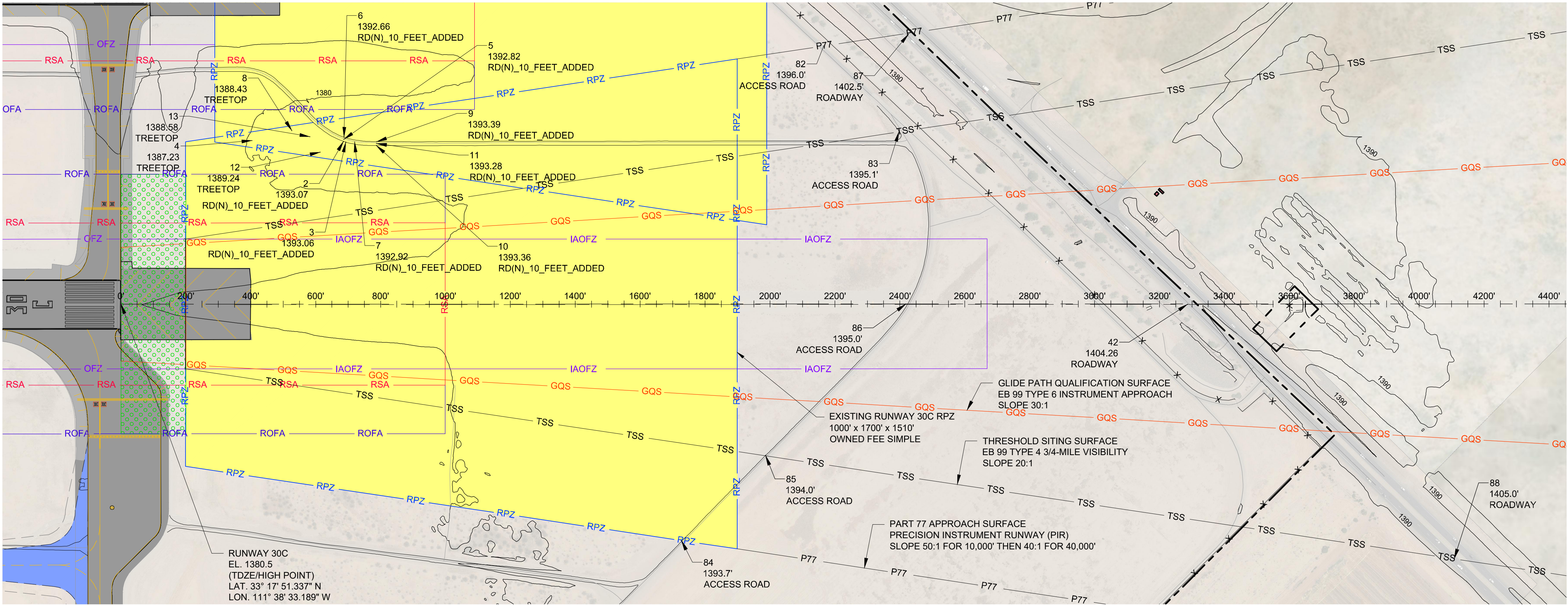
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SHEET CONTENTS
RUNWAY 12C INNER
PORTION OF THE
APPROACH SURFACE

SHEET NO.

12

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NOTE: TERRAIN PROFILE REPRESENTS THE COMPOSITE ELEVATION ALONG THE LENGTH AND ACROSS THE WIDTH OF THE APPROACH SURFACE.

APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
2	ACCESS ROAD	TO REMAIN	1393.1	10	APPROACH	1390.3	2.8
3	ACCESS ROAD	TO REMAIN	1393.1	10	APPROACH	1390.4	2.7
4	TREETOP	REMOVE	1387.2	6.2	APPROACH	1384.6	2.6
5	ACCESS ROAD	TO REMAIN	1392.8	10	APPROACH	1390.3	2.6
6	ACCESS ROAD	TO REMAIN	1392.7	10	APPROACH	1390.3	2.4
7	ACCESS ROAD	TO REMAIN	1392.9	10	APPROACH	1390.9	2.0
8	TREETOP	REMOVE	1388.4	7.4	APPROACH	1387.0	1.4
9	ACCESS ROAD	TO REMAIN	1393.4	10	APPROACH	1392.3	1.1
10	ACCESS ROAD	TO REMAIN	1393.4	10	APPROACH	1392.3	1.1
11	ACCESS ROAD	TO REMAIN	1393.3	10	APPROACH	1392.3	1.0
12	TREETOP	REMOVE	1389.2	7.2	APPROACH	1388.8	0.4
13	TREETOP	REMOVE	1388.6	6.5	APPROACH	1388.2	0.4

APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
42	ROADWAY	TO REMAIN	1389.3	15	APPROACH	1426.3	NONE
82	ACCESS ROAD	TO REMAIN	1386.0	10	APPROACH	1408.9	NONE
83	ACCESS ROAD	TO REMAIN	1385.1	10	APPROACH	1413.3	NONE
84	ACCESS ROAD	TO REMAIN	1387.7	10	APPROACH	1404.1	NONE
85	ACCESS ROAD	TO REMAIN	1384.0	10	APPROACH	1405.2	NONE
86	ACCESS ROAD	TO REMAIN	1385.0	10	APPROACH	1413.9	NONE
87	ACCESS ROAD	TO REMAIN	1387.5	10	APPROACH	1409.0	NONE
88	ROADWAY	TO REMAIN	1390.0	15	APPROACH	1442.7	NONE

NOTE: NO TSS OR GQS OBSTRUCTIONS IDENTIFIED.

REVISIONS & NOTES

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DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	N/A
AIRFIELD PAVEMENT	---	---
PAVED ROADS	---	N/A
RUNWAY PROTECTION ZONE	---	N/A
PART 77 APPROACH SURFACE	---	N/A
THRESHOLD SITING SURFACE	---	N/A
GLIDE PATH QUALIFICATION SURFACE	---	N/A
RUNWAY OBSTACLE FREE ZONE	---	N/A
INNER APPROACH OBSTACLE FREE ZONE	---	N/A
PRECISION OBSTACLE FREE ZONE	---	N/A
RUNWAY SAFETY AREA	---	N/A
RUNWAY OBJECT FREE AREA	---	N/A
AIRPORT SECURITY FENCE (8' HEIGHT)	---	N/A
APRON/TAXIWAY/TAXILANE MARKING	---	N/A

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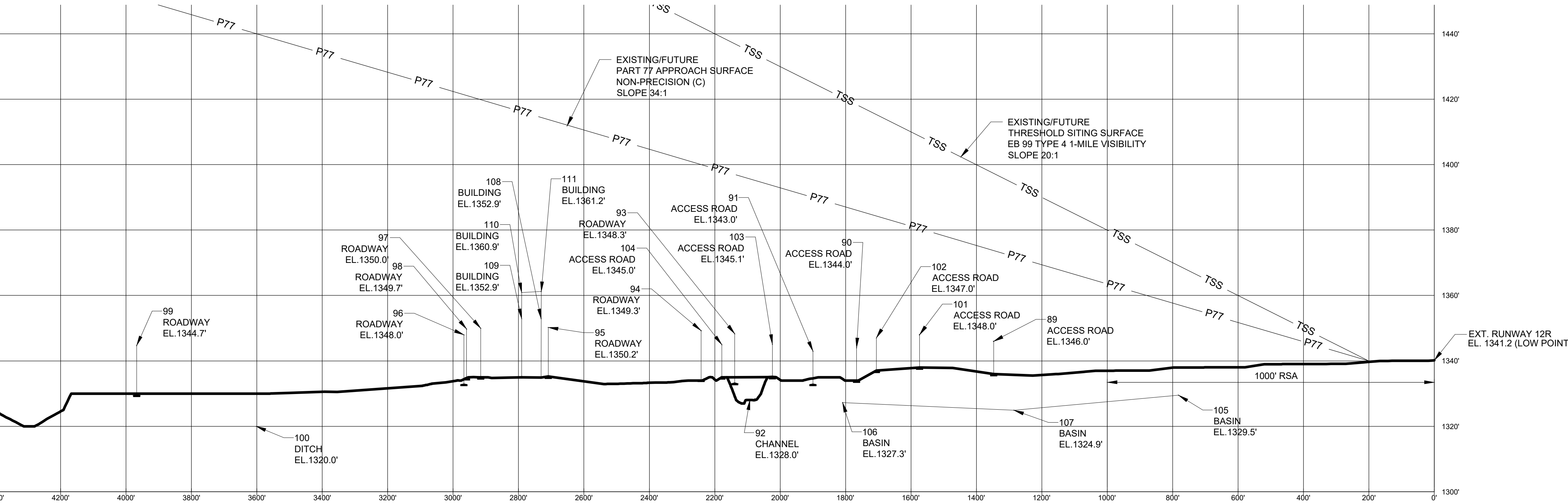
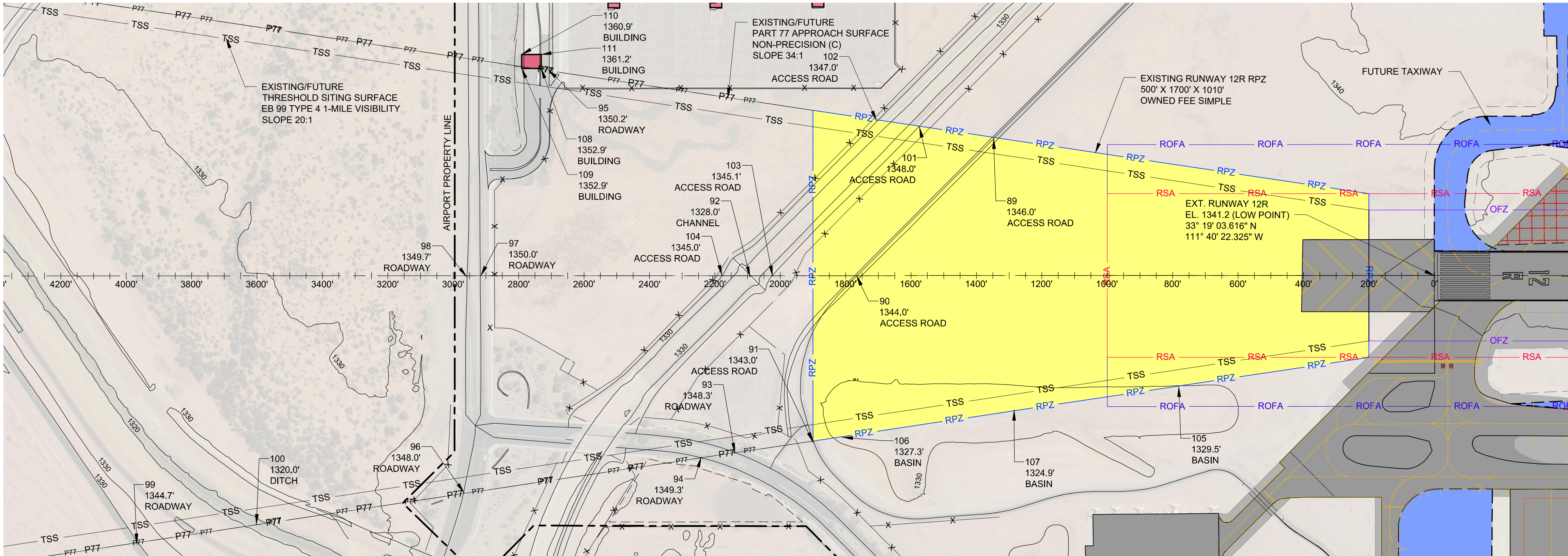
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SHEET CONTENTS
RUNWAY 30C INNER
PORTION OF THE
APPROACH SURFACE

SHEET NO.

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APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
89	ACCESS ROAD	TO REMAIN	1346.0	10.0	APPROACH	1373.7	NONE
90	ACCESS ROAD	TO REMAIN	1344.0	10.0	APPROACH	1386.1	NONE
91	ACCESS ROAD	TO REMAIN	1343.0	10.0	APPROACH	1390.0	NONE
92	CHANNEL	TO REMAIN	1328.0	0.0	APPROACH	1395.6	NONE
93	ROADWAY	TO REMAIN	1348.3	15.0	APPROACH	1397.0	NONE
94	ROADWAY	TO REMAIN	1349.3	15.0	APPROACH	1400.1	NONE
95	ROADWAY	TO REMAIN	1350.2	15.0	APPROACH	1413.8	NONE
96	ROADWAY	TO REMAIN	1348.0	15.0	APPROACH	1421.2	NONE
97	ROADWAY	TO REMAIN	1350.0	15.0	APPROACH	1419.4	NONE
98	ROADWAY	TO REMAIN	1349.7	15.0	APPROACH	1420.6	NONE
99	ROADWAY	TO REMAIN	1344.7	15.0	APPROACH	1450.8	NONE
100	DITCH	TO REMAIN	1320.0	0.0	APPROACH	1439.8	NONE

APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
101	ACCESS ROAD	TO REMAIN	1348.0	10.0	APPROACH	1380.6	NONE
102	ACCESS ROAD	TO REMAIN	1337.0	10.0	APPROACH	1374.3	NONE
103	ACCESS ROAD	TO REMAIN	1345.1	10.0	APPROACH	1393.7	NONE
104	ACCESS ROAD	TO REMAIN	1345.0	10.0	APPROACH	1398.1	NONE
105	BASIN	TO REMAIN	1329.5	0.0	APPROACH	1357.0	NONE
106	BASIN	TO REMAIN	1327.3	0.0	APPROACH	1387.6	NONE
107	BASIN	TO REMAIN	1324.9	0.0	APPROACH	1371.9	NONE
108	BUILDING	TO REMAIN	1352.9	17.9	APPROACH	1414.3	NONE
109	BUILDING	TO REMAIN	1352.9	17.9	APPROACH	1416.2	NONE
110	BUILDING	TO REMAIN	1360.9	26.2	APPROACH	1416.0	NONE
111	BUILDING	TO REMAIN	1361.2	26.2	APPROACH	1414.1	NONE

REVISIONS & NOTES

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DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	---
AIRFIELD PAVEMENT	---	---
AIRFIELD PAVEMENT TO BE REMOVED	N/A	---
PAVED ROADS	---	N/A
RUNWAY PROTECTION ZONE	---	N/A
PART 77 APPROACH SURFACE	---	N/A
THRESHOLD SITING SURFACE	---	N/A
RUNWAY OBSTACLE FREE ZONE	---	N/A
RUNWAY SAFETY AREA	---	N/A
RUNWAY OBJECT FREE AREA	---	N/A
AIRPORT SECURITY FENCE (8' HEIGHT)	---	N/A
APRON/TAXIWAY/TAXILANE MARKING	---	N/A

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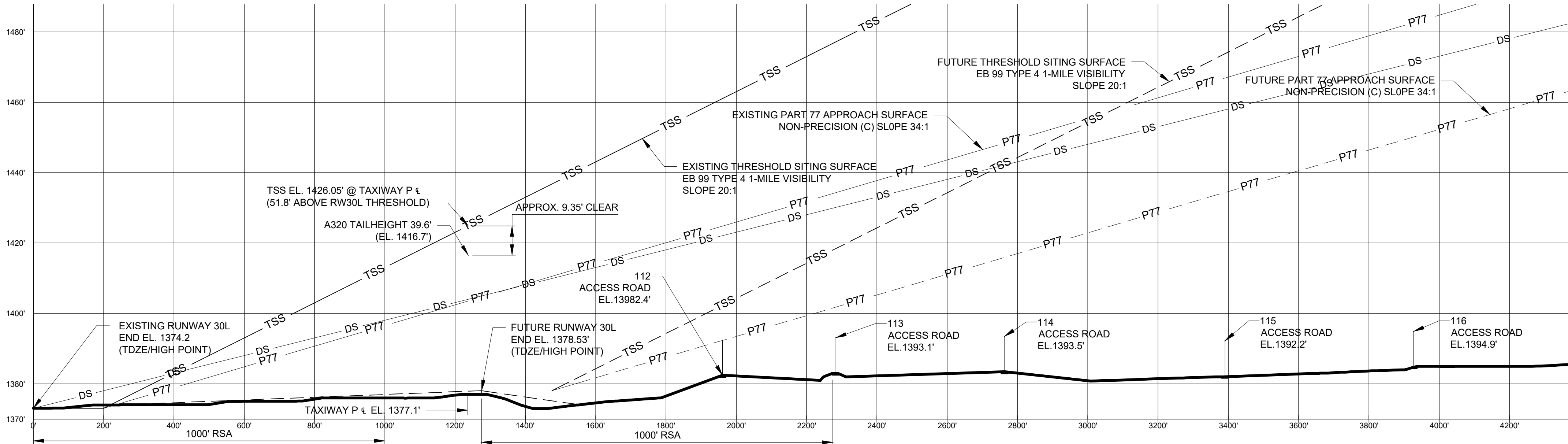
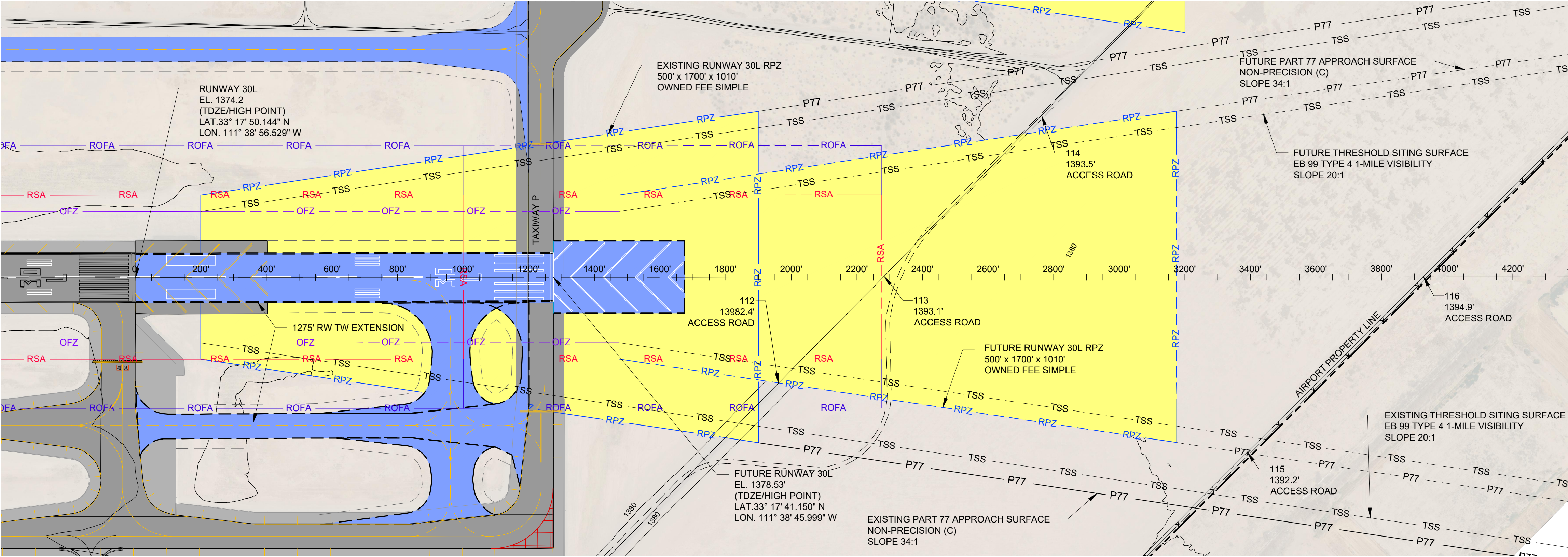
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PORTION OF THE
APPROACH SURFACE

SHEET NO.

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APPROACH OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
112	ACCESS ROAD	RELOCATE	1392.4	10	APPROACH	1392.2	0.2
113	ACCESS ROAD	TO REMAIN	1393.1	10	APPROACH	1401.81	NONE
114	ACCESS ROAD	TO REMAIN	1383.5	10	APPROACH	1405.96	NONE
115	ACCESS ROAD	TO REMAIN	1392.2	10	APPROACH	1434.29	NONE
116	ACCESS ROAD	TO REMAIN	1394.9	10	APPROACH	1450.14	NONE

REVISIONS & NOTES

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DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	N/A
AIRFIELD PAVEMENT	---	---
PAVED ROADS	---	N/A
RUNWAY PROTECTION ZONE	---	---
PART 77 APPROACH SURFACE	---	N/A
THRESHOLD SITING SURFACE	---	N/A
RUNWAY OBSTACLE FREE ZONE	---	N/A
RUNWAY SAFETY AREA	---	---
RUNWAY OBJECT FREE AREA	---	---
AIRPORT SECURITY FENCE (8' HEIGHT)	---	N/A
APRON/TAXIWAY/TAXILANE MARKING	---	N/A

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Phoenix-Mesa
Gateway
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PHOENIX-MESA GATEWAY AIRPORT AIRPORT LAYOUT PLAN

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ISSUED:
06/30/14 PROJECT
MILESTONE

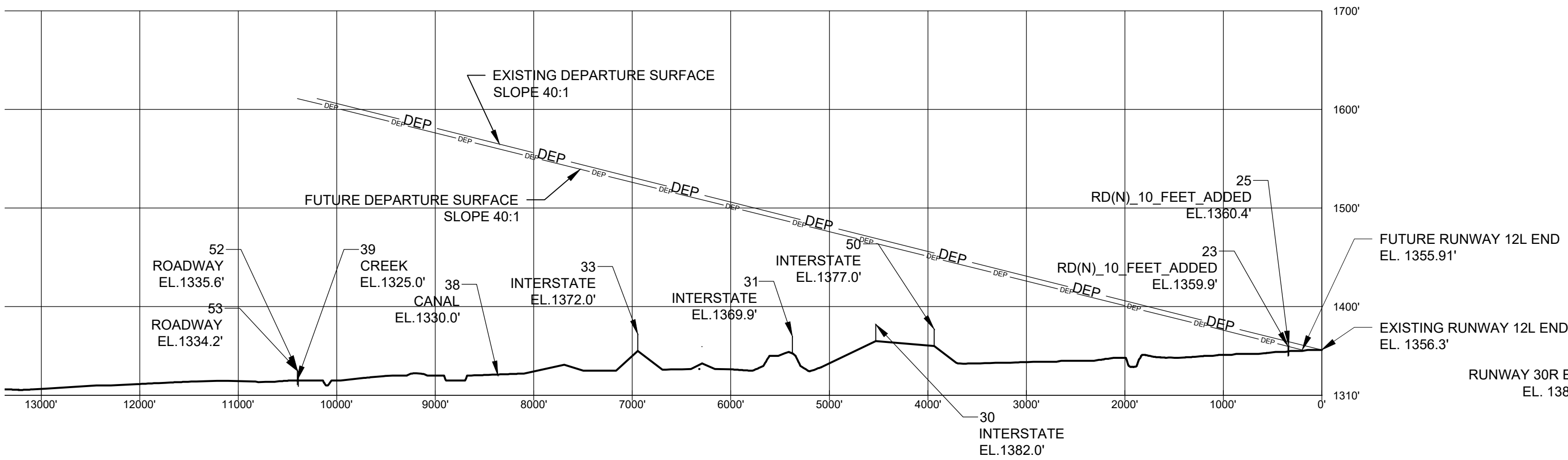
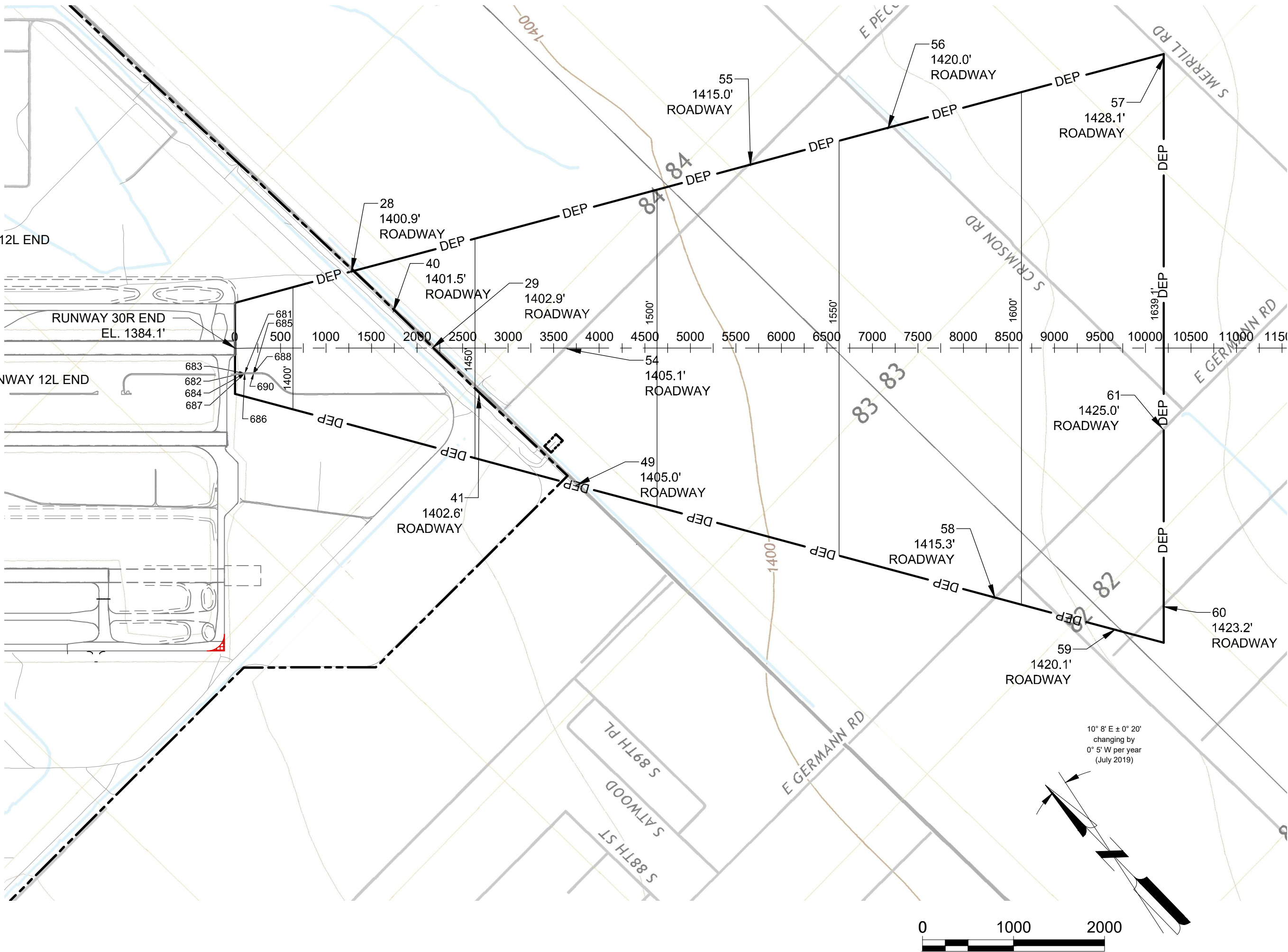
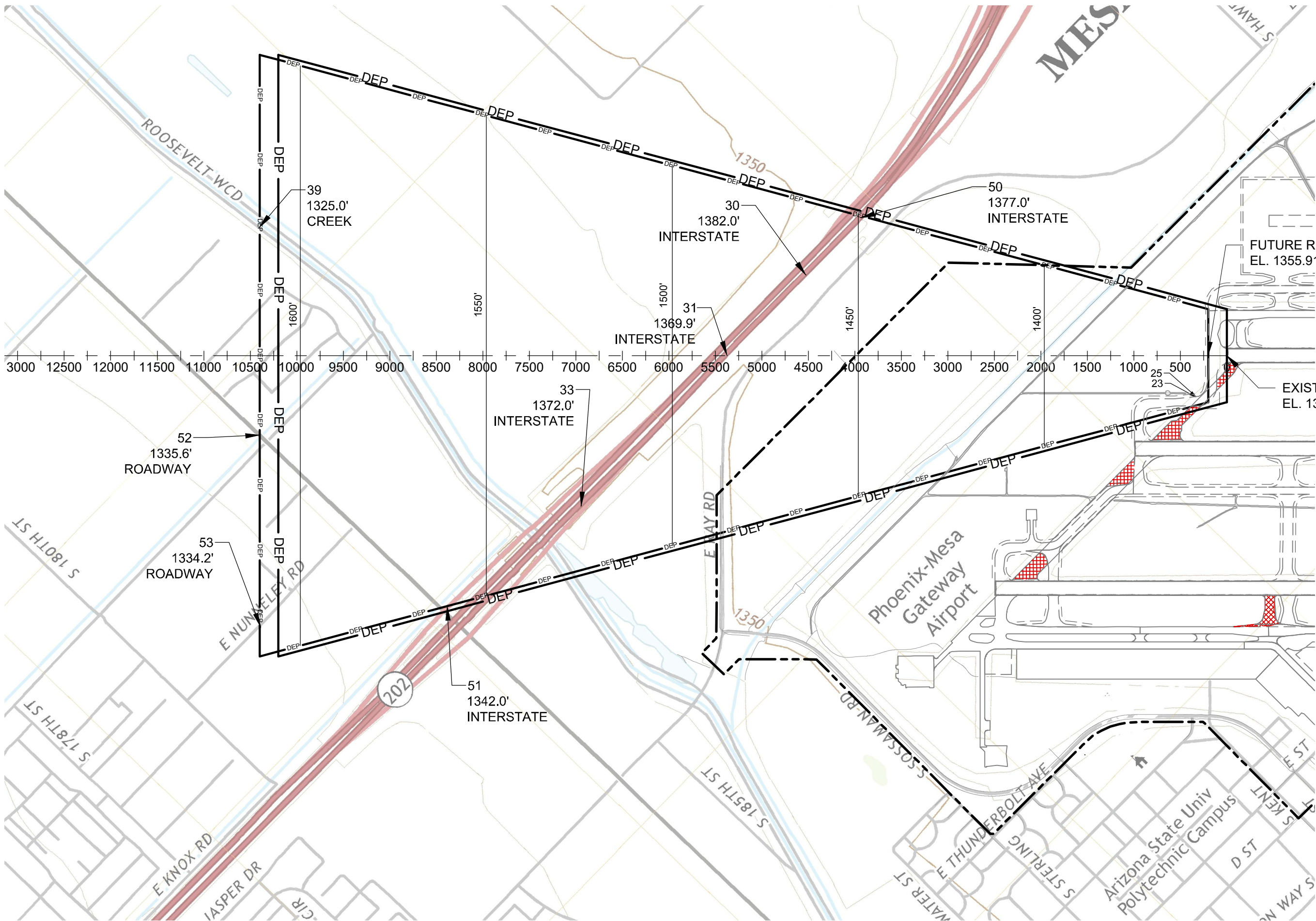
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AIP NO.: X-XX-XXXX-XX
M&H NO.: 2327700-171799.01
DATE: MARCH 2020
DESIGNED BY: M&H
DRAWN BY: JWB
CHECKED BY: BJM
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SHEET CONTENTS
RUNWAY 30L INNER
PORTION OF THE
APPROACH SURFACE

SHEET NO.

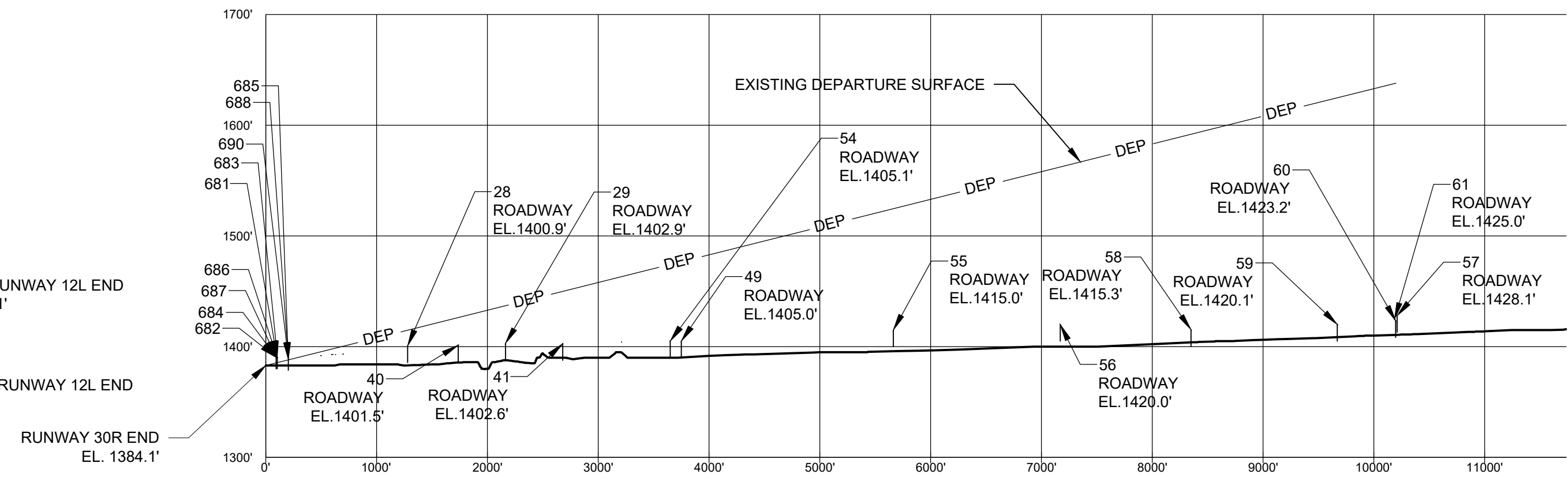
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DEPARTURE OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION (MSL)	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
23	ACCESS ROAD	TO REMAIN	1359.9	10.0	DEPARTURE	1359.6	0.3
25	ACCESS ROAD	TO REMAIN	1360.4	10.0	DEPARTURE	1359.5	0.9
30	INTERSTATE	TO REMAIN	1377.0	17.0	DEPARTURE	1459.3	NONE
31	INTERSTATE	TO REMAIN	1369.9	17.0	DEPARTURE	1485.4	NONE
33	INTERSTATE	TO REMAIN	1372.0	17.0	DEPARTURE	1524.5	NONE
38	DITCH	TO REMAIN	1336.0	0.0	DEPARTURE	1559.1	NONE
39	DITCH	TO REMAIN	1325.0	0.0	DEPARTURE	1610.1	NONE
49	ROADWAY	TO REMAIN	1405.0	15.0	DEPARTURE	1477.2	NONE
50	INTERSTATE	TO REMAIN	1377.0	17.0	DEPARTURE	1448.7	NONE
52	ROADWAY	TO REMAIN	1337.6	15.0	DEPARTURE	1611.9	NONE
53	ROADWAY	TO REMAIN	1336.2	15.0	DEPARTURE	1610.5	NONE

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL



DEPARTURE OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION (MSL)	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
28	ROADWAY	TO REMAIN	1400.9	15.0	DEPARTURE	1415.0	NONE
29	ROADWAY	TO REMAIN	1402.9	15.0	DEPARTURE	1437.0	NONE
40	ROADWAY	TO REMAIN	1401.5	15.0	DEPARTURE	1426.4	NONE
41	ROADWAY	TO REMAIN	1402.6	15.0	DEPARTURE	1449.6	NONE
54	ROADWAY	TO REMAIN	1405.1	15.0	DEPARTURE	1473.3	NONE
55	ROADWAY	TO REMAIN	1415.0	15.0	DEPARTURE	1523.6	NONE
56	ROADWAY	TO REMAIN	1420.0	15.0	DEPARTURE	1561.2	NONE
57	ROADWAY	TO REMAIN	1428.1	15.0	DEPARTURE	1638.1	NONE
58	ROADWAY	TO REMAIN	1415.3	15.0	DEPARTURE	1591.5	NONE
59	ROADWAY	TO REMAIN	1420.1	15.0	DEPARTURE	1624.8	NONE
60	ROADWAY	TO REMAIN	1423.2	15.0	DEPARTURE	1637.2	NONE
61	ROADWAY	TO REMAIN	1425.0	15.0	DEPARTURE	1639.0	NONE
681	ACCESS ROAD	TO REMAIN	1390.4	10.0	DEPARTURE	1385.8	4.6
682	ACCESS ROAD	TO REMAIN	1390.4	10.0	DEPARTURE	1385.6	4.8
683	ACCESS ROAD	TO REMAIN	1390.4	10.0	DEPARTURE	1385.8	4.6
684	ACCESS ROAD	TO REMAIN	1390.4	10.0	DEPARTURE	1385.6	4.8
685	ACCESS ROAD	TO REMAIN	1388.7	10.0	DEPARTURE	1388.1	0.7
686	ACCESS ROAD	TO REMAIN	1390.2	10.0	DEPARTURE	1385.6	4.6
687	ACCESS ROAD	TO REMAIN	1390.2	10.0	DEPARTURE	1385.4	4.8
688	ACCESS ROAD	TO REMAIN	1388.8	10.0	DEPARTURE	1388.2	0.7
690	ACCESS ROAD	TO REMAIN	1388.7	10.0	DEPARTURE	1388.0	0.7

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL

REVISIONS & NOTES

NO.	DESCRIPTION	DATE

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M&H NO.: 2327700-171799.01

DATE: MARCH 2020

DESIGNED BY: M&H

DRAWN BY: JWB

CHECKED BY: BJM

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SHEET CONTENTS

RUNWAY 12L-30R
DEPARTURE
SURFACES

SHEET NO.

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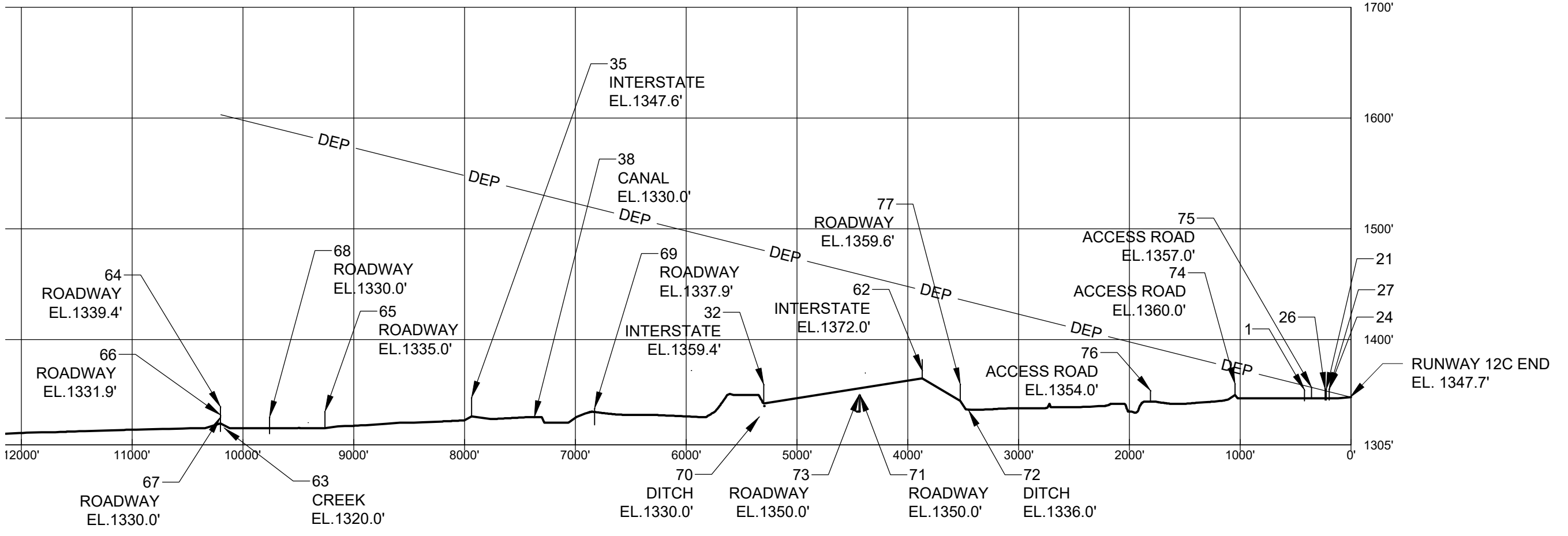
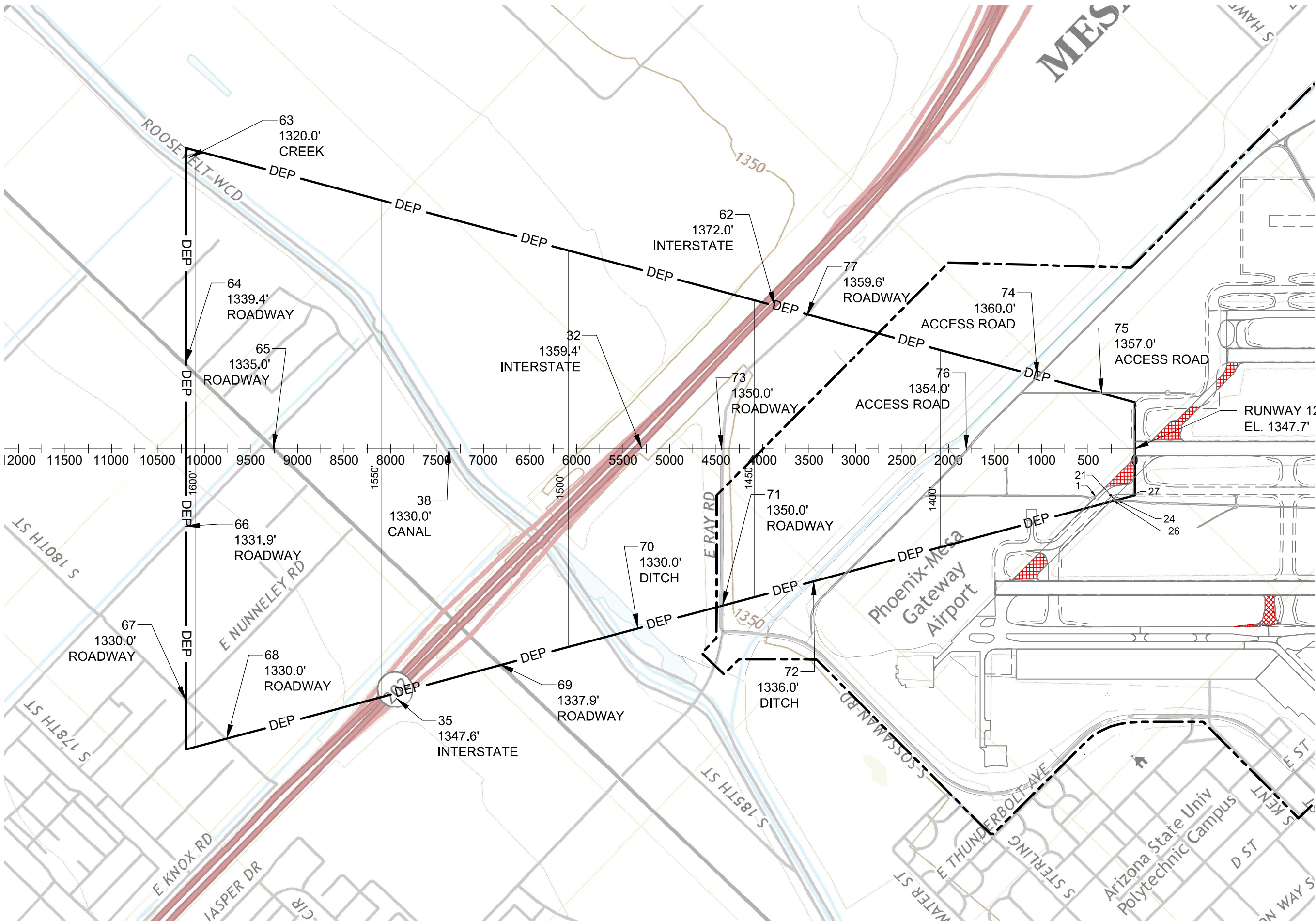
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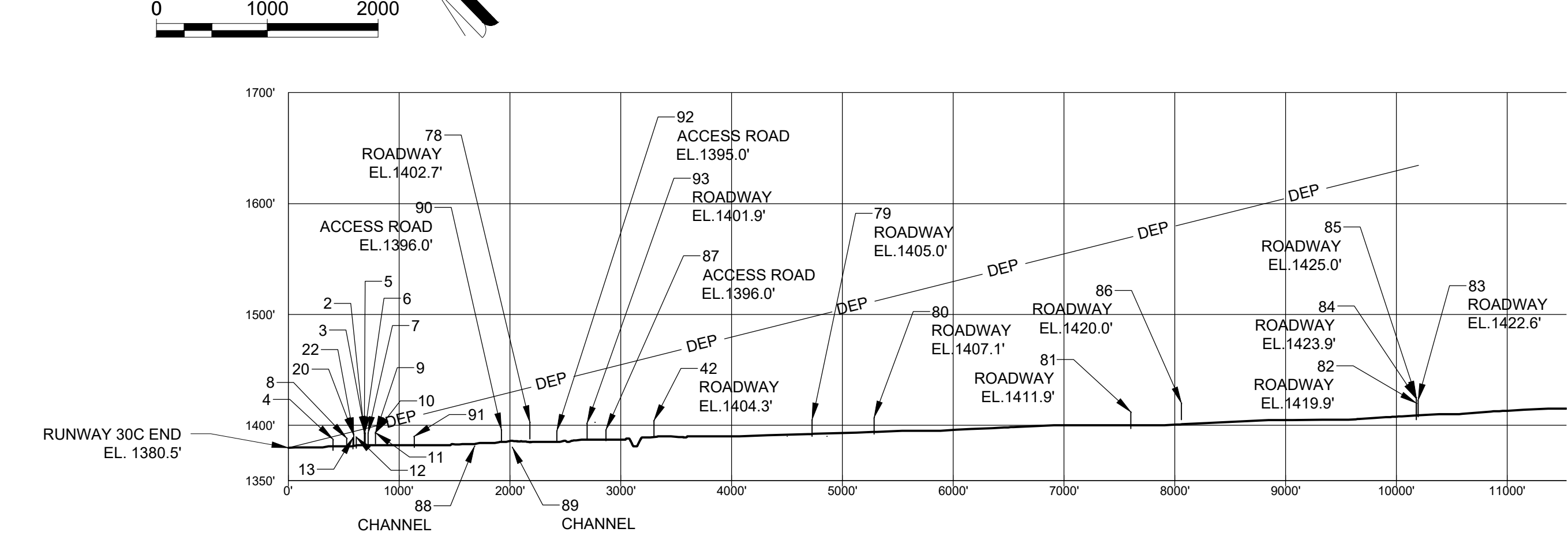
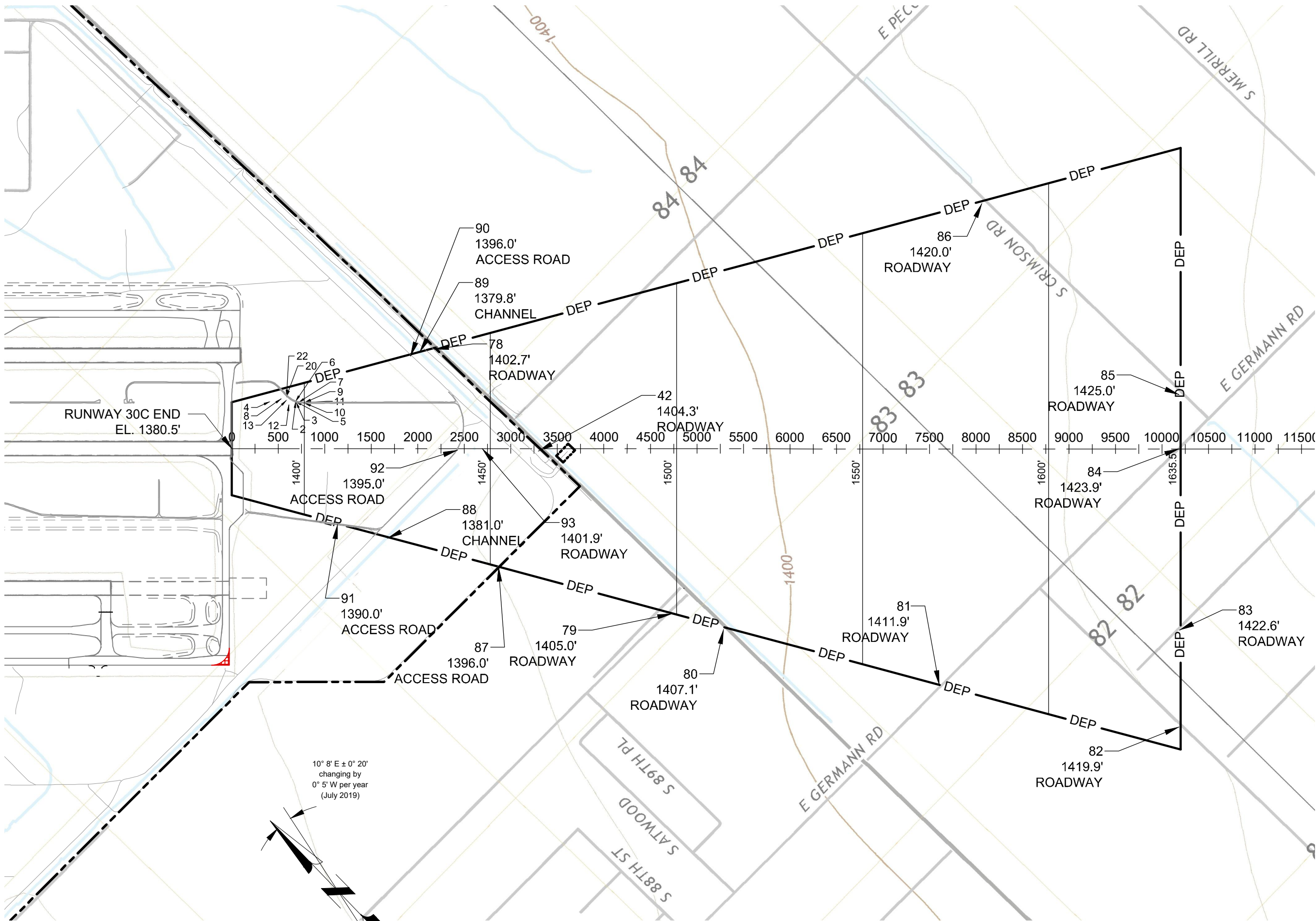
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DEPARTURE OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION (MSL)	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
1	ACCESS ROAD	TO REMAIN	1354.8	10.0	DEPARTURE	1353.6	1.8
21	ACCESS ROAD	TO REMAIN	1355.4	10.0	DEPARTURE	1353.6	1.8
24	ACCESS ROAD	TO REMAIN	1355.2	10.0	DEPARTURE	1352.9	2.3
26	ACCESS ROAD	TO REMAIN	1355.5	10.0	DEPARTURE	1353.9	1.6
27	ACCESS ROAD	TO REMAIN	1355.8	10.0	DEPARTURE	1352.9	2.9
32	INTERSTATE	TO REMAIN	1342.4	17.0	DEPARTURE	1346.7	NONE
35	INTERSTATE	TO REMAIN	1330.6	17.0	DEPARTURE	1330.9	NONE
38	CANAL	TO REMAIN	1330.0	0.0	DEPARTURE	1332.5	NONE
62	INTERSTATE	TO REMAIN	1365.0	17.0	DEPARTURE	1427.7	NONE
63	DITCH	TO REMAIN	1320.0	0.0	DEPARTURE	1361.5	NONE
64	ROADWAY	TO REMAIN	1324.4	15.0	DEPARTURE	1358.0	NONE
65	ROADWAY	TO REMAIN	1320.0	15.0	DEPARTURE	1363.4	NONE
66	ROADWAY	TO REMAIN	1316.9	15.0	DEPARTURE	1387.9	NONE
67	ROADWAY	TO REMAIN	1315.0	15.0	DEPARTURE	1402.9	NONE
68	ROADWAY	TO REMAIN	1315.0	15.0	DEPARTURE	1376.0	NONE
69	ROADWAY	TO REMAIN	1322.9	15.0	DEPARTURE	1392.2	NONE
70	DITCH	TO REMAIN	1330.0	0.0	DEPARTURE	1482.4	NONE
71	ROADWAY	TO REMAIN	1335.0	15.0	DEPARTURE	1443.4	NONE
72	DITCH	TO REMAIN	1336.0	0.0	DEPARTURE	1433.5	NONE
73	ROADWAY	TO REMAIN	1335.0	15.0	DEPARTURE	1444.4	NONE
74	ACCESS ROAD	TO REMAIN	1380.0	10.0	DEPARTURE	1364.1	NONE
75	ACCESS ROAD	TO REMAIN	1347.0	10.0	DEPARTURE	1347.0	NONE
76	ACCESS ROAD	TO REMAIN	1344.0	10.0	DEPARTURE	1382.6	NONE
77	ROADWAY	TO REMAIN	1344.6	15.0	DEPARTURE	1420.7	NONE

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL



DEPARTURE OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION (MSL)	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
2	ACCESS ROAD	TO REMAIN	1393.1	10.0	DEPARTURE	1396.4	NONE
3	ACCESS ROAD	TO REMAIN	1393.1	10.0	DEPARTURE	1396.4	NONE
4	TREETOP	REMOVE	1387.2	6.3	DEPARTURE	1389.6	NONE
5	ACCESS ROAD	TO REMAIN	1392.8	10.0	DEPARTURE	1396.2	NONE
6	ACCESS ROAD	TO REMAIN	1392.7	10.0	DEPARTURE	1396.0	NONE
7	ACCESS ROAD	TO REMAIN	1392.9	10.0	DEPARTURE	1396.3	NONE
8	TREETOP	REMOVE	1388.4	7.6	DEPARTURE	1392.7	NONE
9	ACCESS ROAD	TO REMAIN	1393.4	10.0	DEPARTURE	1399.4	NONE
10	ACCESS ROAD	TO REMAIN	1393.4	10.0	DEPARTURE	1399.4	NONE
11	ACCESS ROAD	TO REMAIN	1392.3	10.0	DEPARTURE	1398.3	NONE
12	TREETOP	REMOVE	1389.3	7.5	DEPARTURE	1394.9	NONE
13	TREETOP	REMOVE	1388.6	7.8	DEPARTURE	1394.0	NONE
20	ACCESS ROAD	TO REMAIN	1392.0	10.0	DEPARTURE	1394.2	NONE
22	ACCESS ROAD	TO REMAIN	1391.9	10.0	DEPARTURE	1394.1	NONE
42	ROADWAY	TO REMAIN	1389.3	15.0	DEPARTURE	1447.1	NONE
78	ROADWAY	TO REMAIN	1387.7	15.0	DEPARTURE	1419.0	NONE
79	ROADWAY	TO REMAIN	1390.0	15.0	DEPARTURE	1482.7	NONE
80	ROADWAY	TO REMAIN	1393.1	15.0	DEPARTURE	1496.4	NONE
81	ROADWAY	TO REMAIN	1396.9	15.0	DEPARTURE	1553.9	NONE
82	ROADWAY	TO REMAIN	1404.9	15.0	DEPARTURE	1618.9	NONE
83	ROADWAY	TO REMAIN	1407.6	15.0	DEPARTURE	1618.9	NONE
84	ROADWAY	TO REMAIN	1408.9	15.0	DEPARTURE	1617.2	NONE
85	ROADWAY	TO REMAIN	1410.0	15.0	DEPARTURE	1618.3	NONE
86	ROADWAY	TO REMAIN	1405.0	15.0	DEPARTURE	1565.4	NONE
87	ACCESS ROAD	TO REMAIN	1386.0	10.0	DEPARTURE	1441.3	NONE
88	CHANNEL	TO REMAIN	1381.0	0.0	DEPARTURE	1421.7	NONE
89	CHANNEL	TO REMAIN	1379.8	0.0	DEPARTURE	1429.7	NONE
90	ACCESS ROAD	TO REMAIN	1386.0	10.0	DEPARTURE	1417.4	NONE
91	ACCESS ROAD	TO REMAIN	1380.0	10.0	DEPARTURE	1397.9	NONE
92	ACCESS ROAD	TO REMAIN	1385.0	10.0	DEPARTURE	1430.0	NONE
93	ROADWAY	TO REMAIN	1386.9	15.0	DEPARTURE	1431.6	NONE

REVISIONS & NOTES

NO.	DESCRIPTION	DATE

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- FOR CLOSE-IN OBSTRUCTION DETAIL NEAR EACH RUNWAY END, SEE INNER-APPROACH PLANS, SHEETS 10 THROUGH 15.

* PER PART 77, 15 FEET VERTICAL CLEARANCE ADDED TO ROAD ELEVATIONS, 17 FEET ADDED TO INTERSTATES AND 23 FEET ADDED TO RAILROADS.

DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	N/A
AIRFIELD PAVEMENT	---	N/A
AIRFIELD PAVEMENT TO BE REMOVED	N/A	---
DEPARTURE SURFACE	---	---

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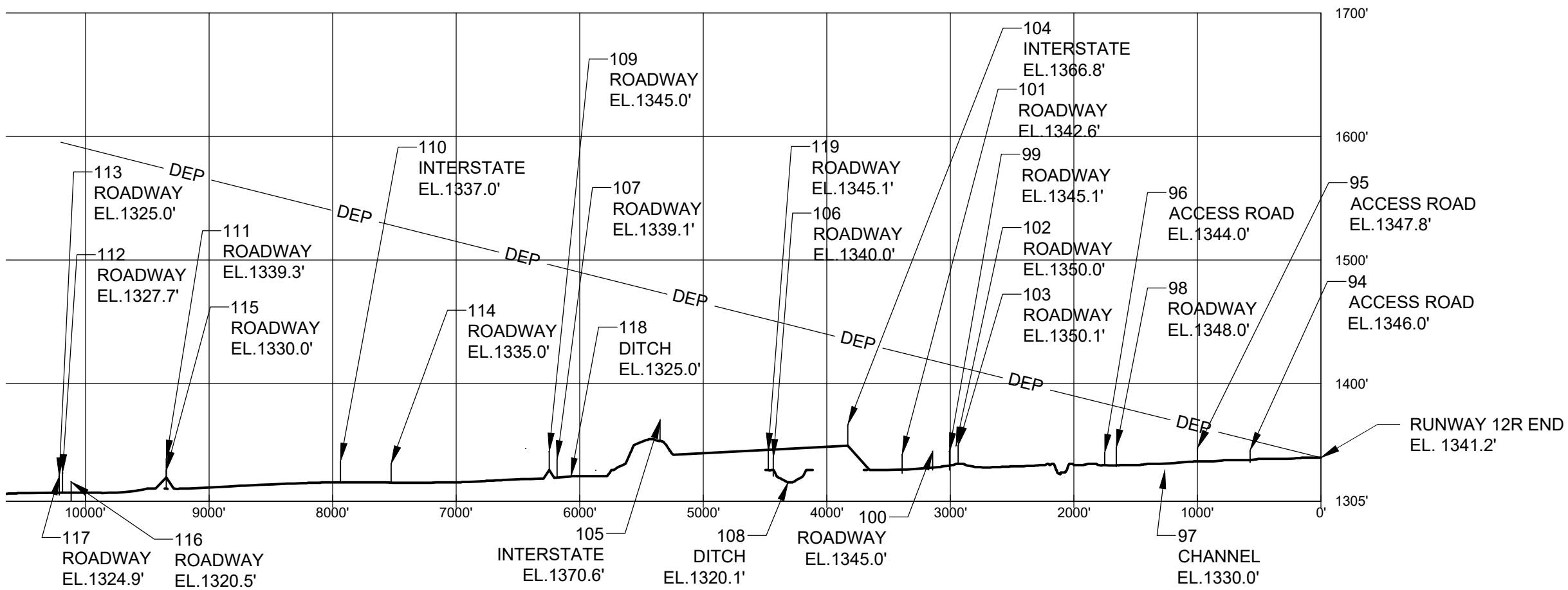
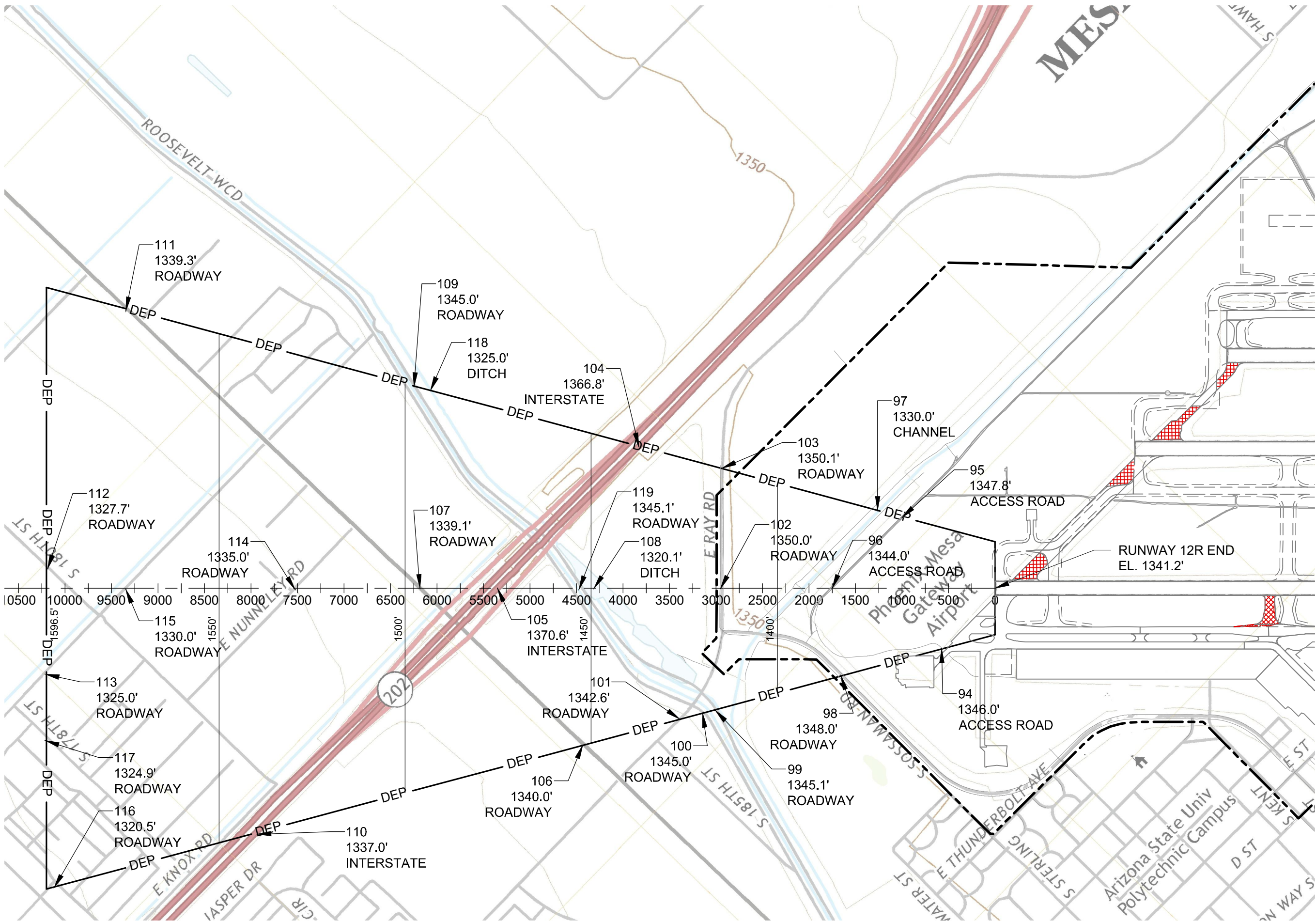
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SHEET CONTENTS
RUNWAY 12C-30C
DEPARTURE
SURFACES

SHEET NO.

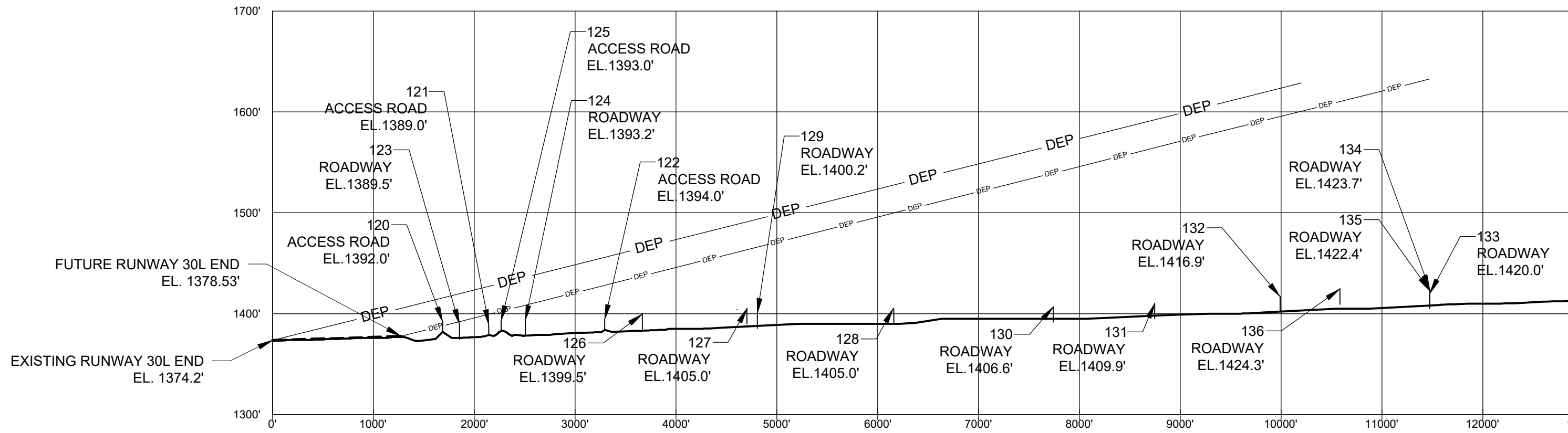
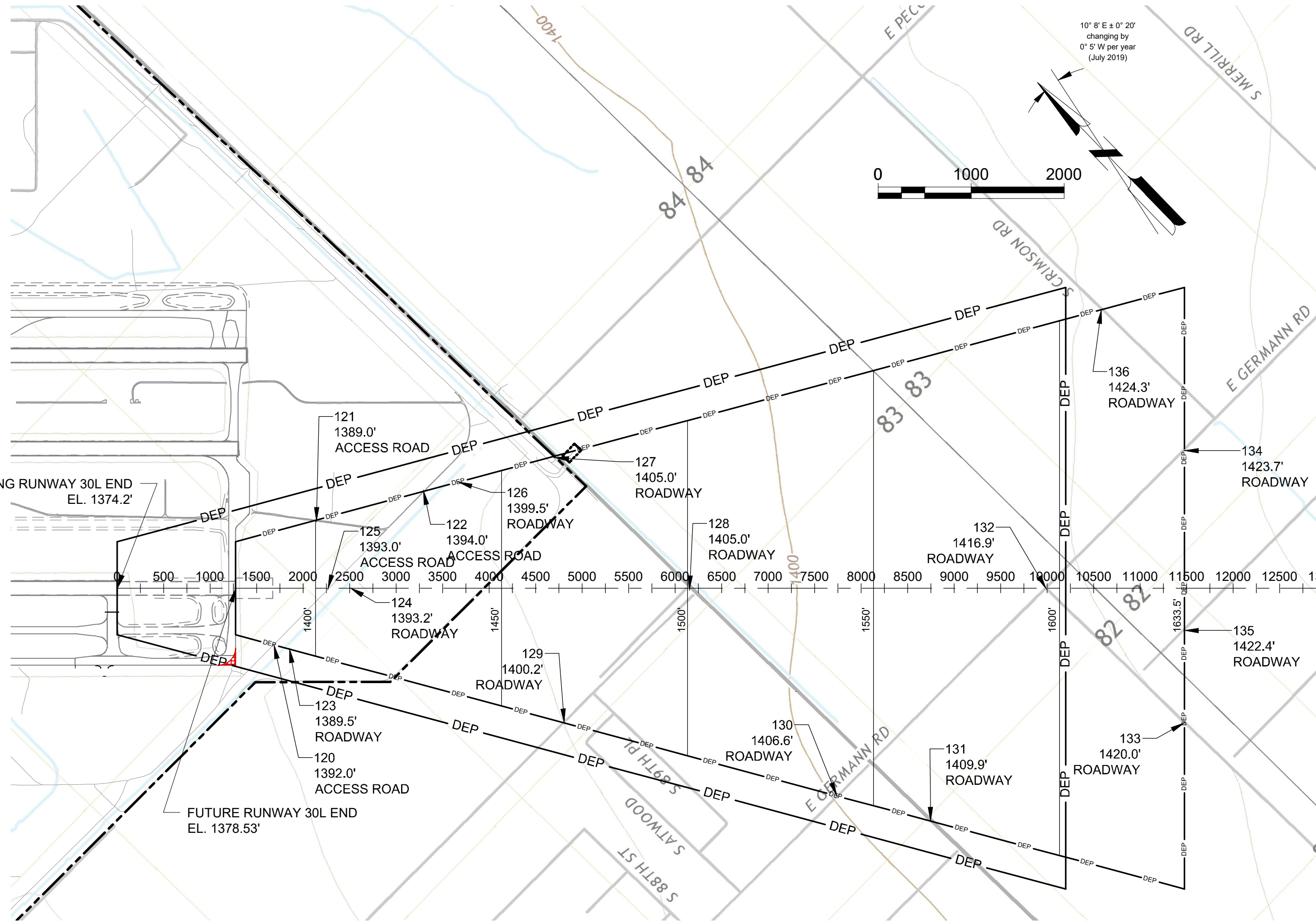
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DEPARTURE OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION (MSL)	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
94	ACCESS ROAD	TO REMAIN	1336.0	10.0	DEPARTURE	1344.5	NONE
95	ACCESS ROAD	TO REMAIN	1337.9	10.0	DEPARTURE	1355.6	NONE
96	ACCESS ROAD	TO REMAIN	1334.0	10.0	DEPARTURE	1373.4	NONE
97	CHANNEL	TO REMAIN	1330.0	0.0	DEPARTURE	1371.5	NONE
98	ROADWAY	TO REMAIN	1333.0	15.0	DEPARTURE	1365.7	NONE
99	ROADWAY	TO REMAIN	1330.1	15.0	DEPARTURE	1400.7	NONE
100	ROADWAY	TO REMAIN	1330.0	15.0	DEPARTURE	1403.6	NONE
101	ROADWAY	TO REMAIN	1327.6	15.0	DEPARTURE	1409.4	NONE
102	ROADWAY	TO REMAIN	1325.0	15.0	DEPARTURE	1396.2	NONE
103	ROADWAY	TO REMAIN	1335.1	15.0	DEPARTURE	1398.5	NONE
104	INTERSTATE	TO REMAIN	1349.8	17.0	DEPARTURE	1419.2	NONE
105	INTERSTATE	TO REMAIN	1353.6	17.0	DEPARTURE	1456.5	NONE
106	ROADWAY	TO REMAIN	1325.0	15.0	DEPARTURE	1435.1	NONE
107	ROADWAY	TO REMAIN	1324.1	15.0	DEPARTURE	1479.0	NONE
108	DITCH	TO REMAIN	1320.1	0.0	DEPARTURE	1447.1	NONE
109	ROADWAY	TO REMAIN	1330.0	15.0	DEPARTURE	1480.4	NONE
110	INTERSTATE	TO REMAIN	1320.0	17.0	DEPARTURE	1520.8	NONE
111	ROADWAY	TO REMAIN	1324.3	15.0	DEPARTURE	1558.0	NONE
112	ROADWAY	TO REMAIN	1322.7	15.0	DEPARTURE	1579.9	NONE
113	ROADWAY	TO REMAIN	1310.0	15.0	DEPARTURE	1580.7	NONE
114	ROADWAY	TO REMAIN	1320.0	15.0	DEPARTURE	1511.9	NONE
115	ROADWAY	TO REMAIN	1315.0	15.0	DEPARTURE	1558.8	NONE
116	ROADWAY	TO REMAIN	1305.5	15.0	DEPARTURE	1577.1	NONE
117	ROADWAY	TO REMAIN	1309.9	15.0	DEPARTURE	1579.9	NONE
118	DITCH	TO REMAIN	1325.0	0.0	DEPARTURE	1491.0	NONE
119	ROADWAY	TO REMAIN	1330.1	15.0	DEPARTURE	1436.6	NONE

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL



DEPARTURE OBJECTS

NO.	DESCRIPTION	DISPOSITION	TOP ELEVATION (MSL)	HEIGHT ABOVE GROUND	SURFACE	ALLOWABLE ELEVATION	AMOUNT OF PENETRATION
120	ACCESS ROAD	TO REMAIN	1382.0	10.0	DEPARTURE	1377.9	4.2
121	ACCESS ROAD	TO REMAIN	1379.0	10.0	DEPARTURE	1388.6	NONE
122	ACCESS ROAD	TO REMAIN	1384.0	10.0	DEPARTURE	1417.2	NONE
123	ROADWAY	TO REMAIN	1374.5	15.0	DEPARTURE	1377.0	NONE
124	ROADWAY	TO REMAIN	1378.2	15.0	DEPARTURE	1392.9	NONE
125	ACCESS ROAD	TO REMAIN	1383.0	10.0	DEPARTURE	1392.3	NONE
126	ROADWAY	TO REMAIN	1384.5	15.0	DEPARTURE	1422.5	NONE
127	ROADWAY	TO REMAIN	1390.0	15.0	DEPARTURE	1447.6	NONE
128	ROADWAY	TO REMAIN	1390.0	15.0	DEPARTURE	1484.6	NONE
129	ROADWAY	TO REMAIN	1385.2	15.0	DEPARTURE	1450.1	NONE
130	ROADWAY	TO REMAIN	1391.6	15.0	DEPARTURE	1524.1	NONE
131	ROADWAY	TO REMAIN	1394.9	15.0	DEPARTURE	1548.6	NONE
132	ROADWAY	TO REMAIN	1401.9	15.0	DEPARTURE	1580.7	NONE
133	ROADWAY	TO REMAIN	1405.0	15.0	DEPARTURE	1656.0	NONE
134	ROADWAY	TO REMAIN	1408.7	15.0	DEPARTURE	1619.7	NONE
135	ROADWAY	TO REMAIN	1407.4	15.0	DEPARTURE	1618.4	NONE
136	ROADWAY	TO REMAIN	1409.3	15.0	DEPARTURE	1593.8	NONE

MEASUREMENTS ARE IN FEET (MSL) MEAN SEA LEVEL

REVISIONS & NOTES

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DRAWING LEGEND

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AIRFIELD PAVEMENT	---	N/A
AIRFIELD PAVEMENT TO BE REMOVED	N/A	XXXXXX
DEPARTURE SURFACE	---	---

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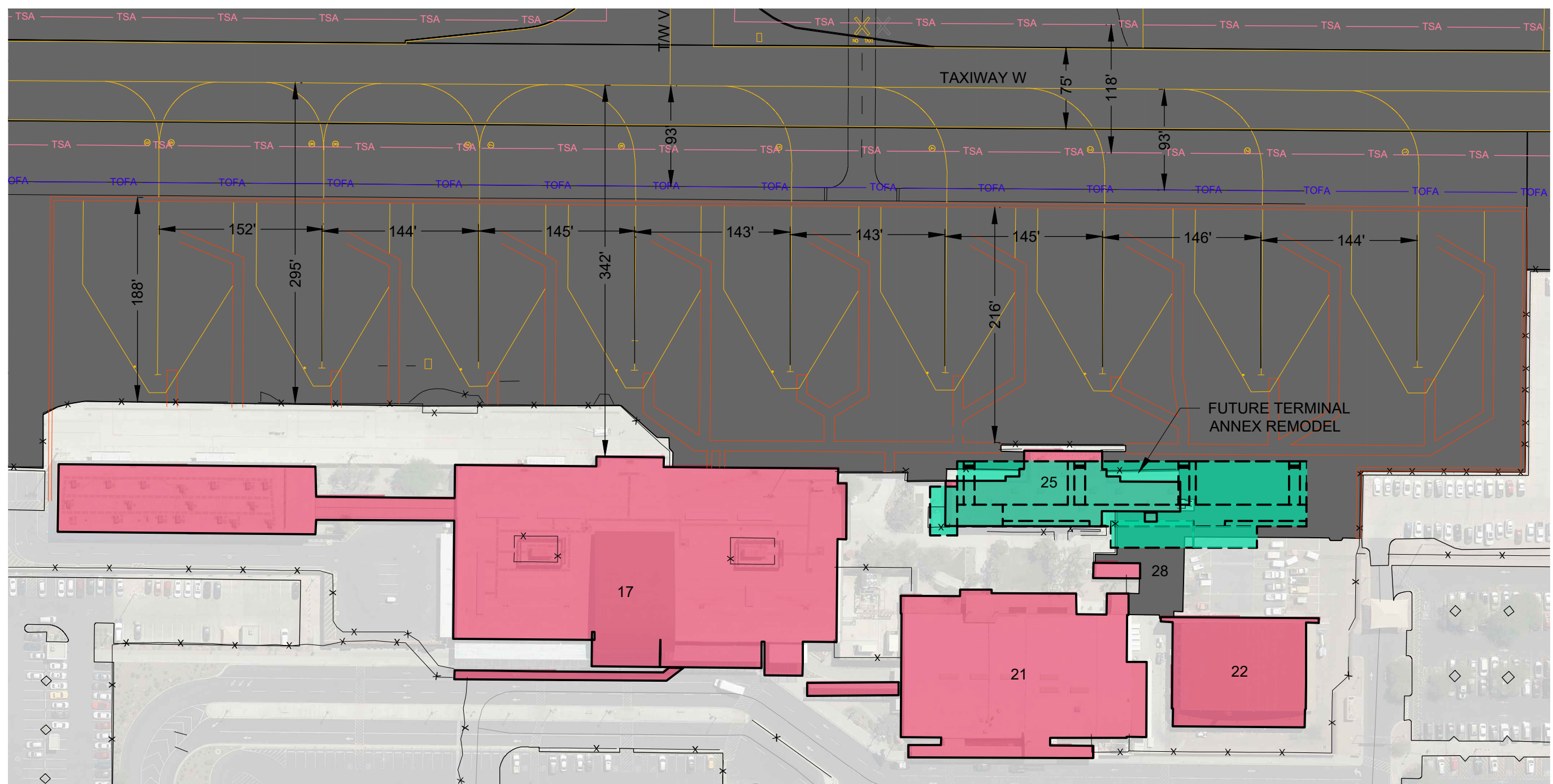
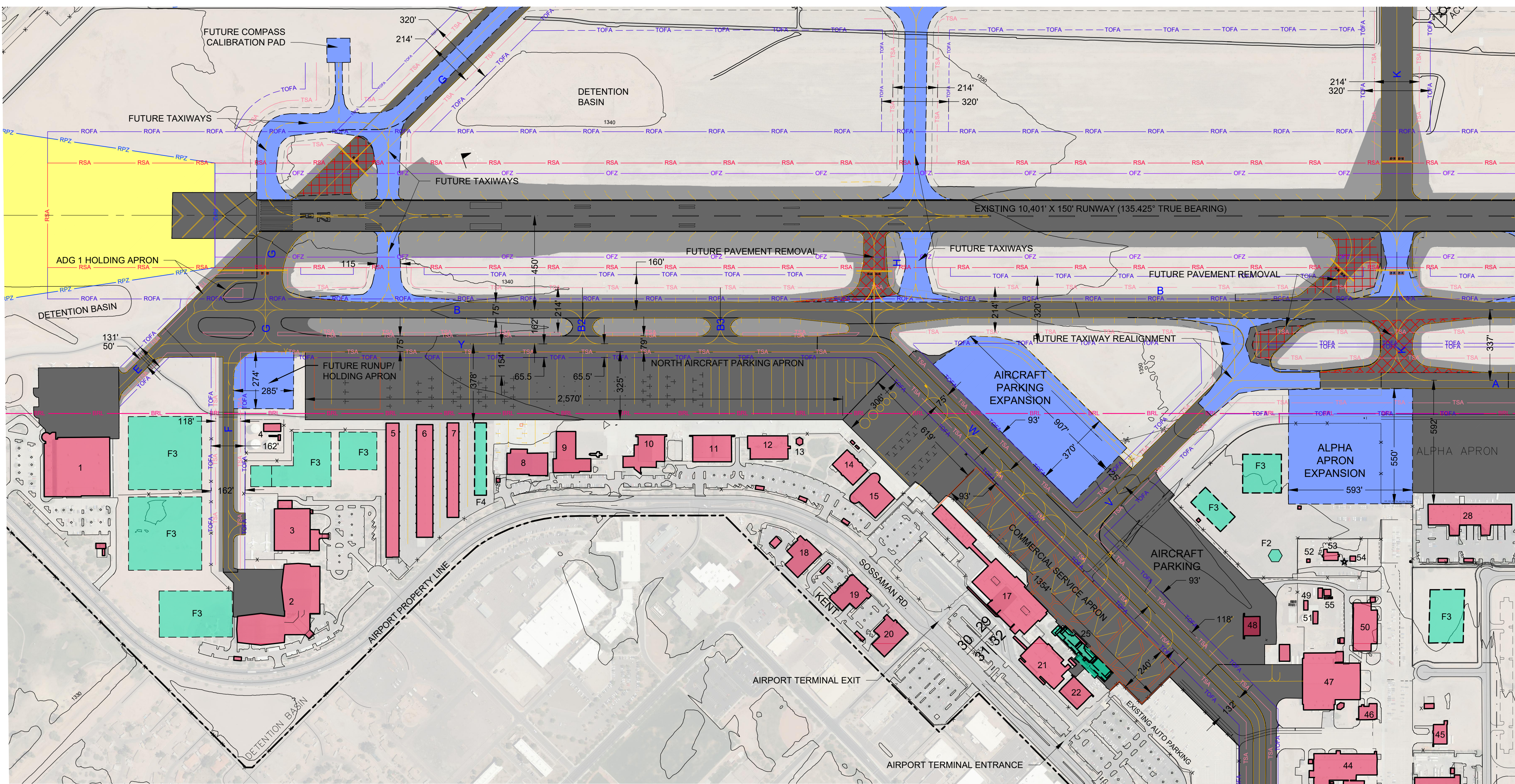
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DATE: MARCH 2020
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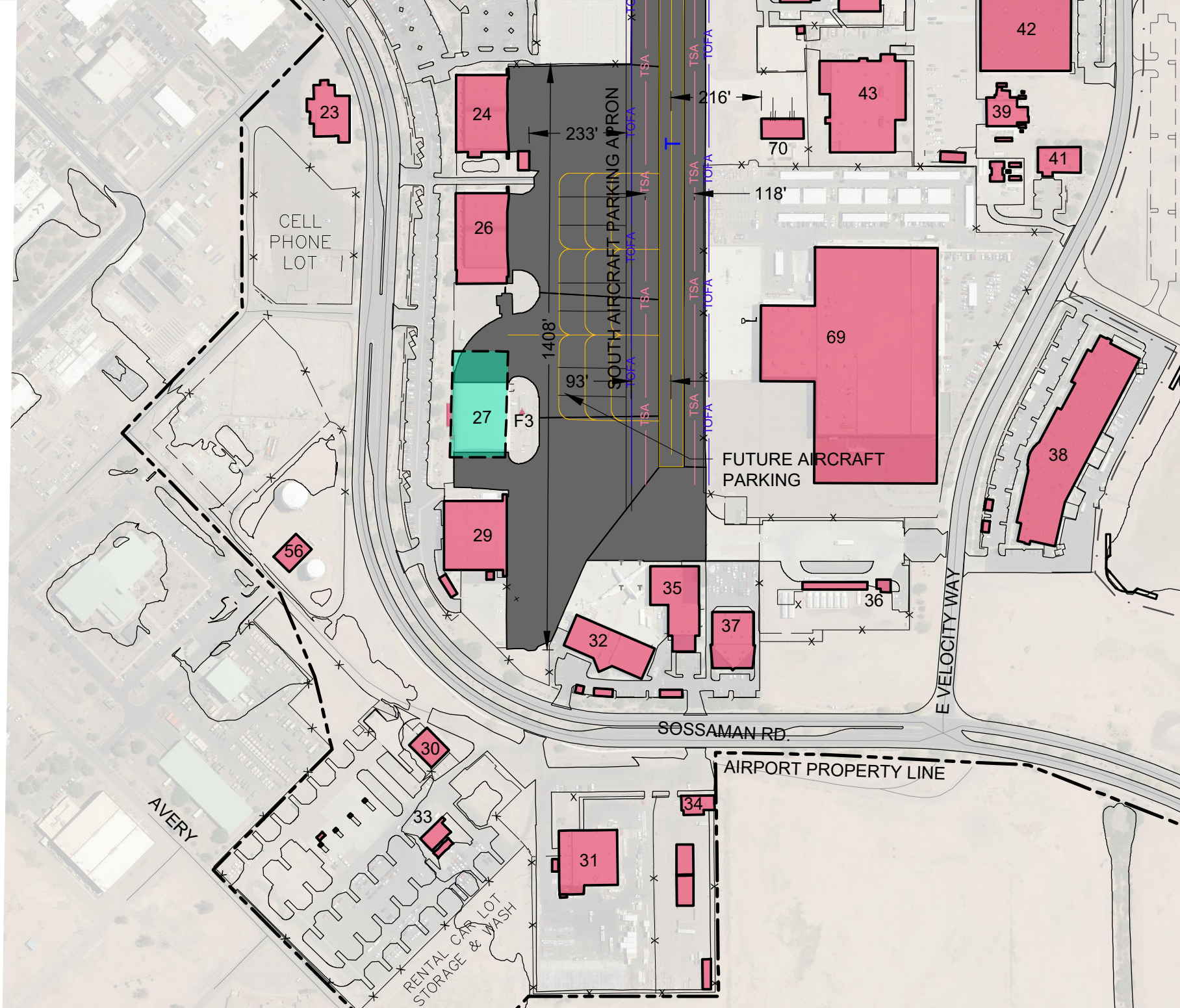
SHEET CONTENTS
RUNWAY 12R-30L
DEPARTURE
SURFACES

SHEET NO.

\\CORP.MEADHUNT.COM\SHARED\FOLDERS\ENR\23277001\71799.01\TECH\CAD\AIRPORT\A\OUT\PLAN\FACILITIES DRAWINGS.DWG
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PASSENGER TERMINAL AIRCRAFT PARKING LAYOUT



FACILITY LEGEND

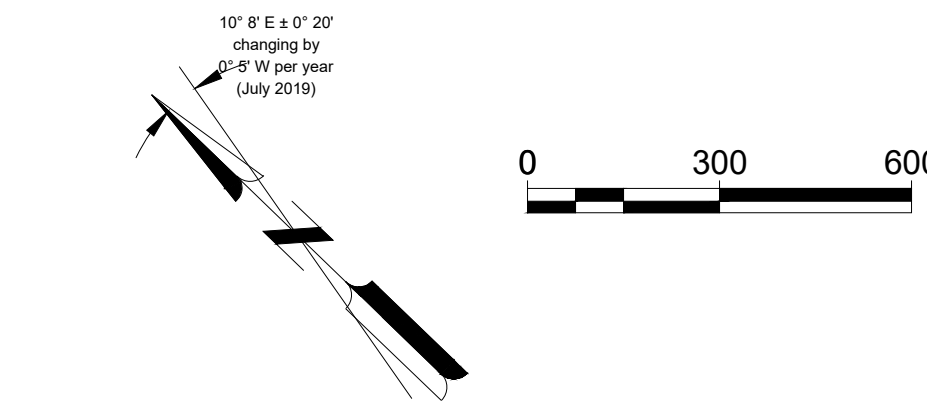
NO.	DESCRIPTION	TOP ELEVATION
1	HANGAR/OFFICE	EL. 1383.4
2	HANGAR/OFFICE	EL. 1382.3
3	HANGAR/OFFICE	EL. 1382.3
4	FIRE SUPPRESSION SYSTEM	EL. 1355.1
5	T-HANGAR	EL. 1365.7
6	T-HANGAR	EL. 1361.0
7	T-HANGAR	EL. 1369.4
8	HANGAR/OFFICE	EL. 1376.0
9	HANGAR/OFFICE	EL. 1377.9
10	HANGAR/OFFICE	EL. 1383.3
11	HANGAR/OFFICE	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
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	EL. 1365.6
26	HANGAR	EL. 1379.6
27	HANGAR SHED	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. 1375.6
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
69	HANGAR/MANUFACTURING/OFFICE	EL. 1368.0' EST.
70	HUSH HOUSE	EL. 1370.1'
F2	FUTURE AIR TRAFFIC CONTROL TOWER	
F3	FUTURE BUILDING	
F4	FUTURE T-HANGAR	

NOTES

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- AIRPORT LAYOUT PLAN INCORPORATES AN FAA APPROVED AIRPORT GEOGRAPHIC INFORMATION SURVEY FROM MAY 2018 AND A 2018 OBSTRUCTION SURVEY.
- BUILDING ELEVATIONS ARE NAVD88.

REVISIONS

NO.	DESCRIPTION	DATE



DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	N/A
AIRPORT BUILDINGS	█	█
AIRFIELD PAVEMENT	█	█
AIRFIELD PAVEMENT TO BE REMOVED	N/A	█
PAVED ROADS	---	N/A
RUNWAY PROTECTION ZONE	---	N/A
BUILDING RESTRICTION LINE	---	N/A
RUNWAY SAFETY AREA	---	N/A
RUNWAY OBJECT FREE AREA	---	N/A
AIRPORT SECURITY FENCE (8' HEIGHT)	X	N/A
TAXIWAY/TAXILANE OBJECT FREE AREA	---	---
TAXIWAY/TAXILANE SAFETY AREA	---	---
APRON/TAXIWAY/TAXILANE MARKING	---	---
AIRPORT BEACON	★	N/A
WIND CONE	---	N/A

Mead & Hunt
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PHOENIX-MESA GATEWAY AIRPORT AIRPORT LAYOUT PLAN

5835 S SOSSAMAN RD
MESA, AZ 85212

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SHEET CONTENTS
BUILDING AREA PLAN
- WEST FACILITIES

SHEET NO.

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NOTES

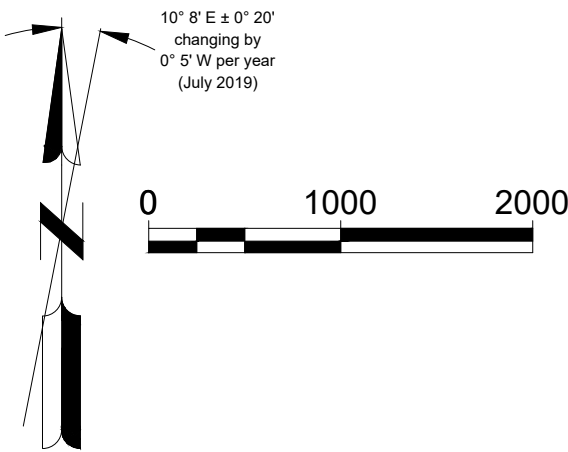
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3. ALP PREPARED USING DESIGN CRITERIA FROM FAA ADVISORY CIRCULARS 150/5300-13A CHANGE 1, AIRPORT DESIGN, FAA STANDARD OPERATING PROCEDURES 2.0 & 3.0, AND PART 77 OF THE FEDERAL AVIATION REGULATIONS (FAR), SAFE, EFFICIENT USE, AND PRESERVATION OF THE NAVIGABLE AIRSPACE.
4. ALL COORDINATES NAD83 AND ALL ELEVATIONS NAVD88. HORIZONTAL AND VERTICAL DATUM SOURCE: AGIS SURVEY, OBSTRUCTION SURVEY 2018; SUPPLEMENTED WITH 5010 AIRPORT MASTER RECORD AND AIRPORT AVN DATA SHEET.
5. MAGNETIC DECLINATION SOURCE: NATIONAL GEOPHYSICAL DATA CENTER, SEPTEMBER 2019.

REVISIONS

NO.	DESCRIPTION	DATE

ON-AIRPORT LAND USE LEGEND

- PASSENGER TERMINAL
- AIRFIELD OPERATIONS
- GENERAL AVIATION FACILITIES
- AVIATION-RELATED-TAXIWAY ACCESS
- NON-AVIATION RELATED
- AIRPORT SUPPORT AREA
- AVIATION RELATED
- AVIGATION EASEMENT
- 2017 PLANNING NOISE CONTOUR (65 DNL)



DRAWING LEGEND

	EXISTING	FUTURE
JURISDICTIONAL BOUNDARIES	N/A	N/A
AIRPORT PROPERTY LINE	N/A	N/A
AVIGATION EASEMENT	N/A	N/A
AIRPORT BUILDINGS		
AIRFIELD PAVEMENT		
AIRFIELD PAVEMENT TO BE REMOVED	N/A	
PAVED ROADS	N/A	N/A
RUNWAY PROTECTION ZONE	N/A	N/A
PART 77 APPROACH SURFACE		
AIRPORT SECURITY FENCE (8' HEIGHT)	N/A	N/A

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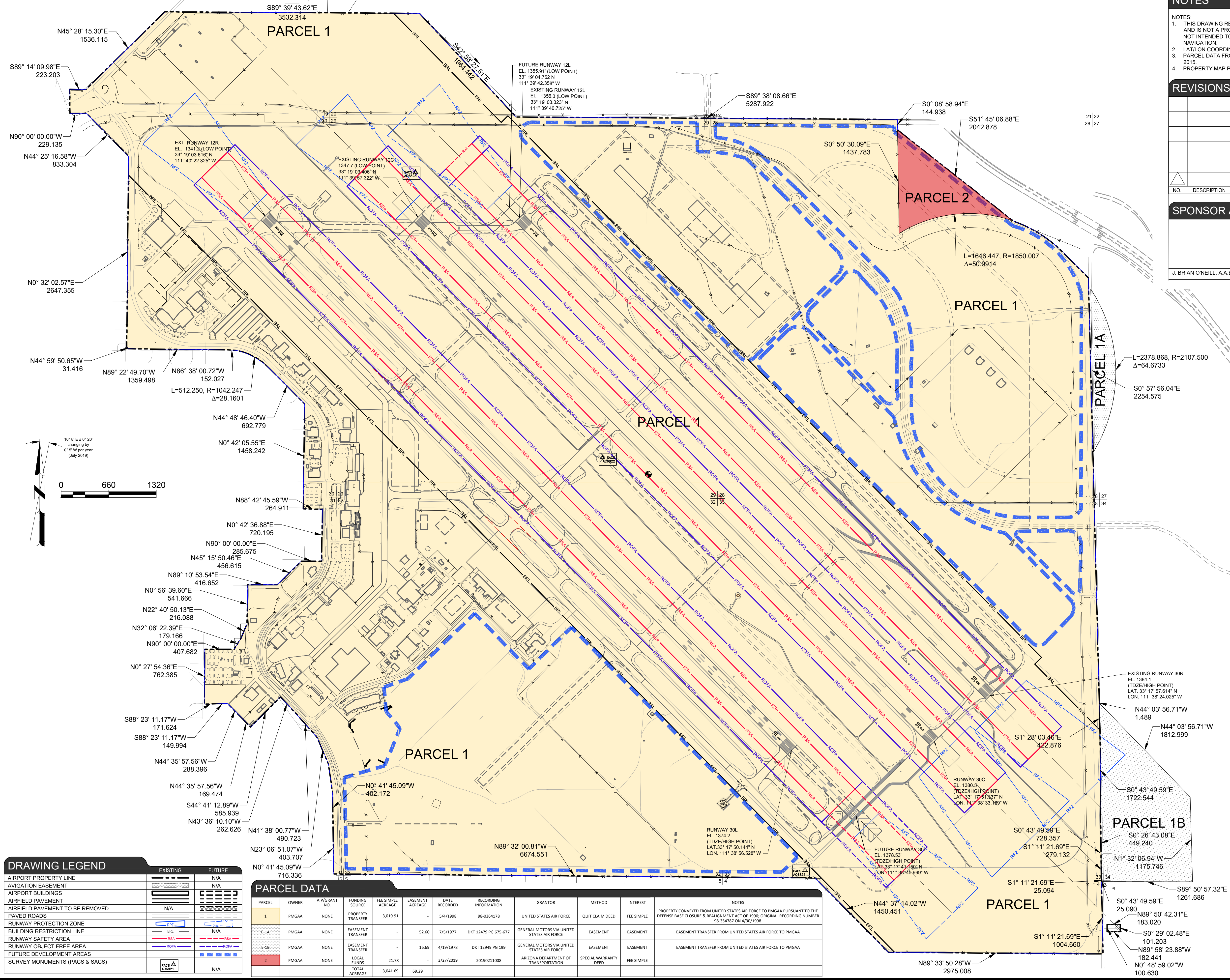
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SHEET CONTENTS
AIRPORT LAND USE
PLAN

SHEET NO.



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2. LAT/LON COORDINATES NAD83. RUNWAY ELEVATION NAVD88.

3. PARCEL DATA FROM AIRPORT PROPERTY MAP BY COFFMAN ASSOC. APRIL, 2015.

4. PROPERTY MAP PREPARED ACCORDING TO SOP 3.0 CHECKLIST FOR EXHIBIT A.

REVISIONS

NO.	DESCRIPTION	DATE

SPONSOR APPROVAL

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

DATE

Mead & Hunt

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Phoenix-Mesa Gateway Airport

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SHEET CONTENTS

EXHIBIT 'A' AIRPORT
PROPERTY
INVENTORY MAP

SHEET NO.