

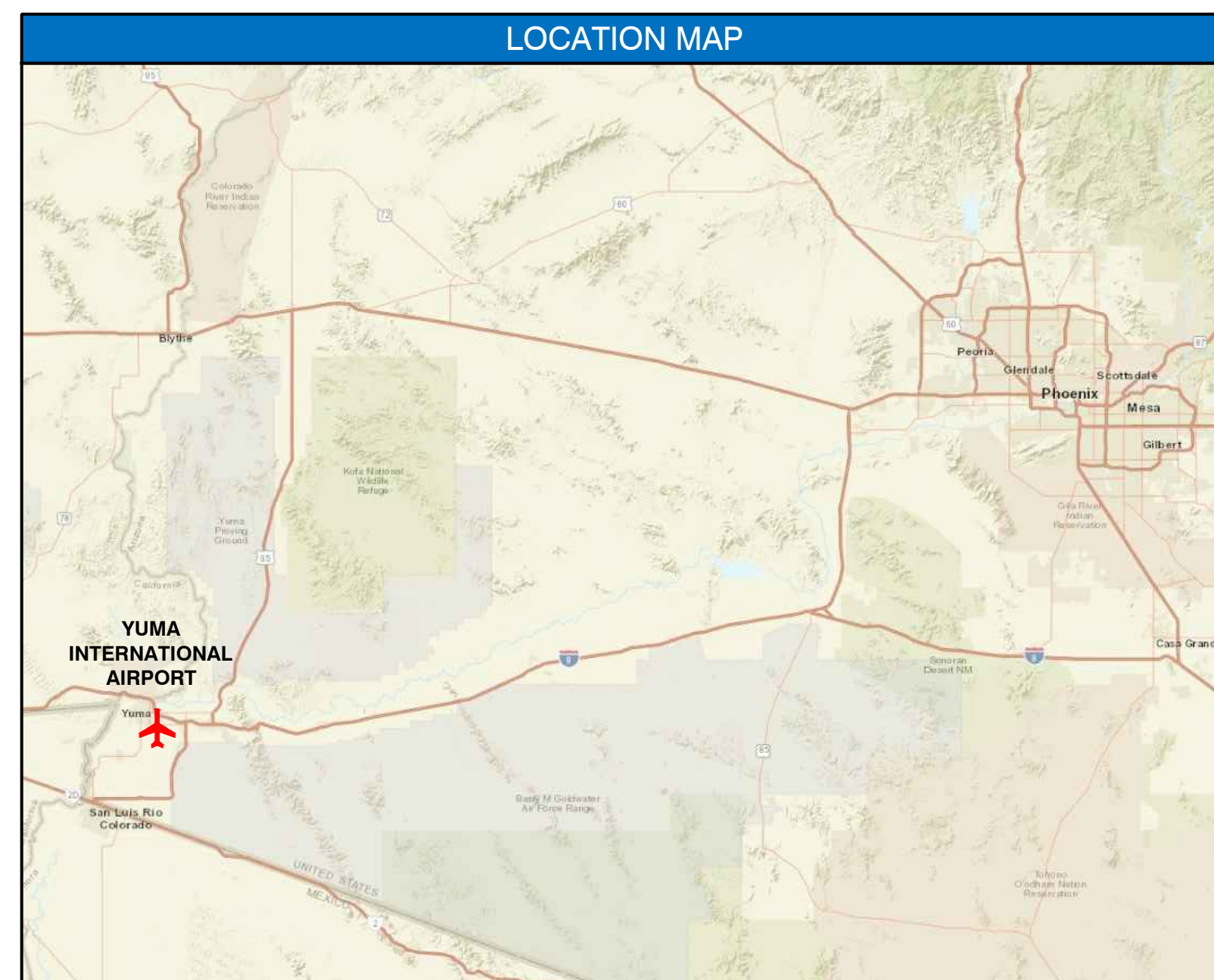
Yuma International Airport Airport Layout Plan Yuma County Airport Authority Yuma, Arizona November 2021

AIP Grant # 3-04-0053-038-2019, ADOT Grant # EOM2C, PFC # 19-06-C-00-NYL

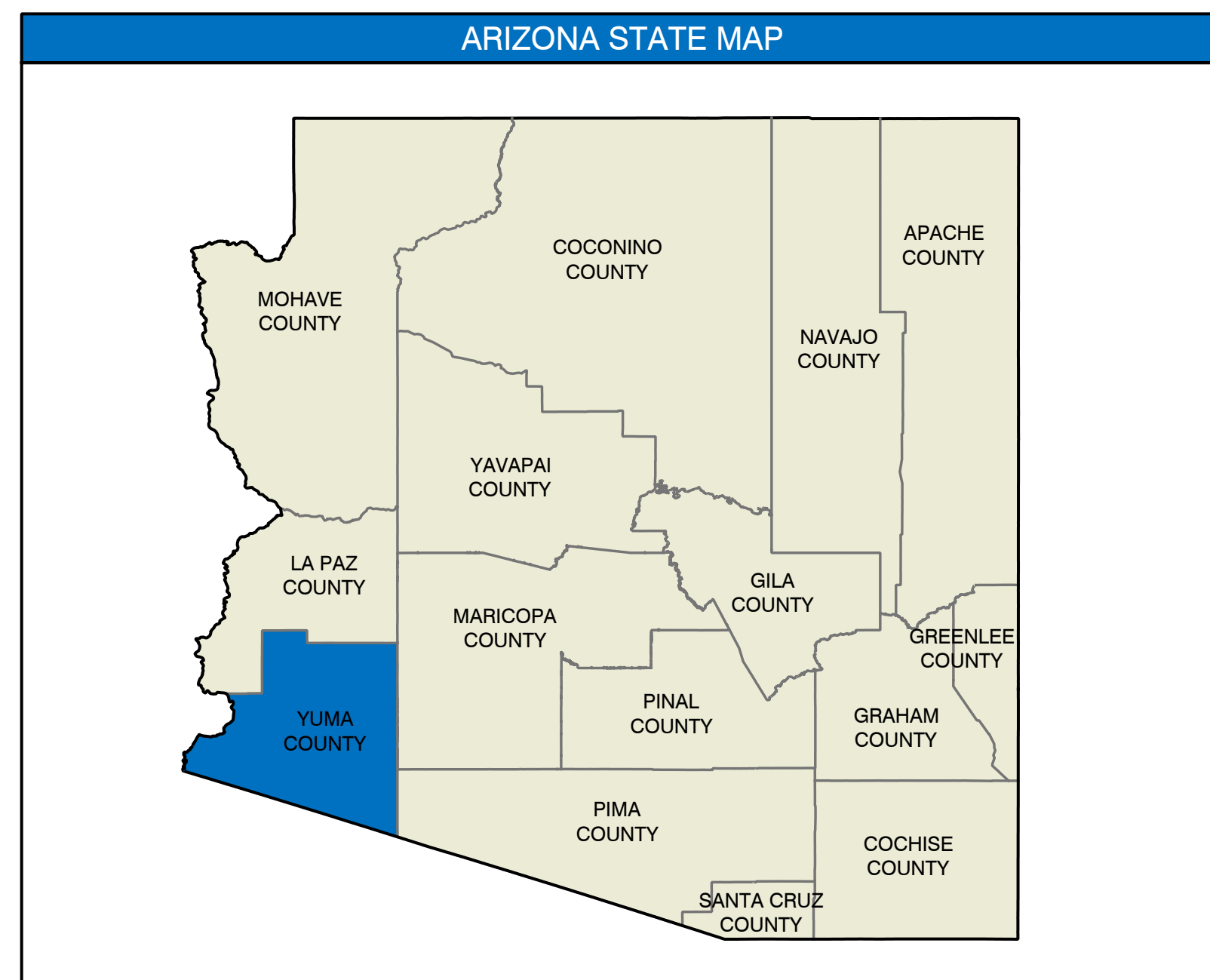
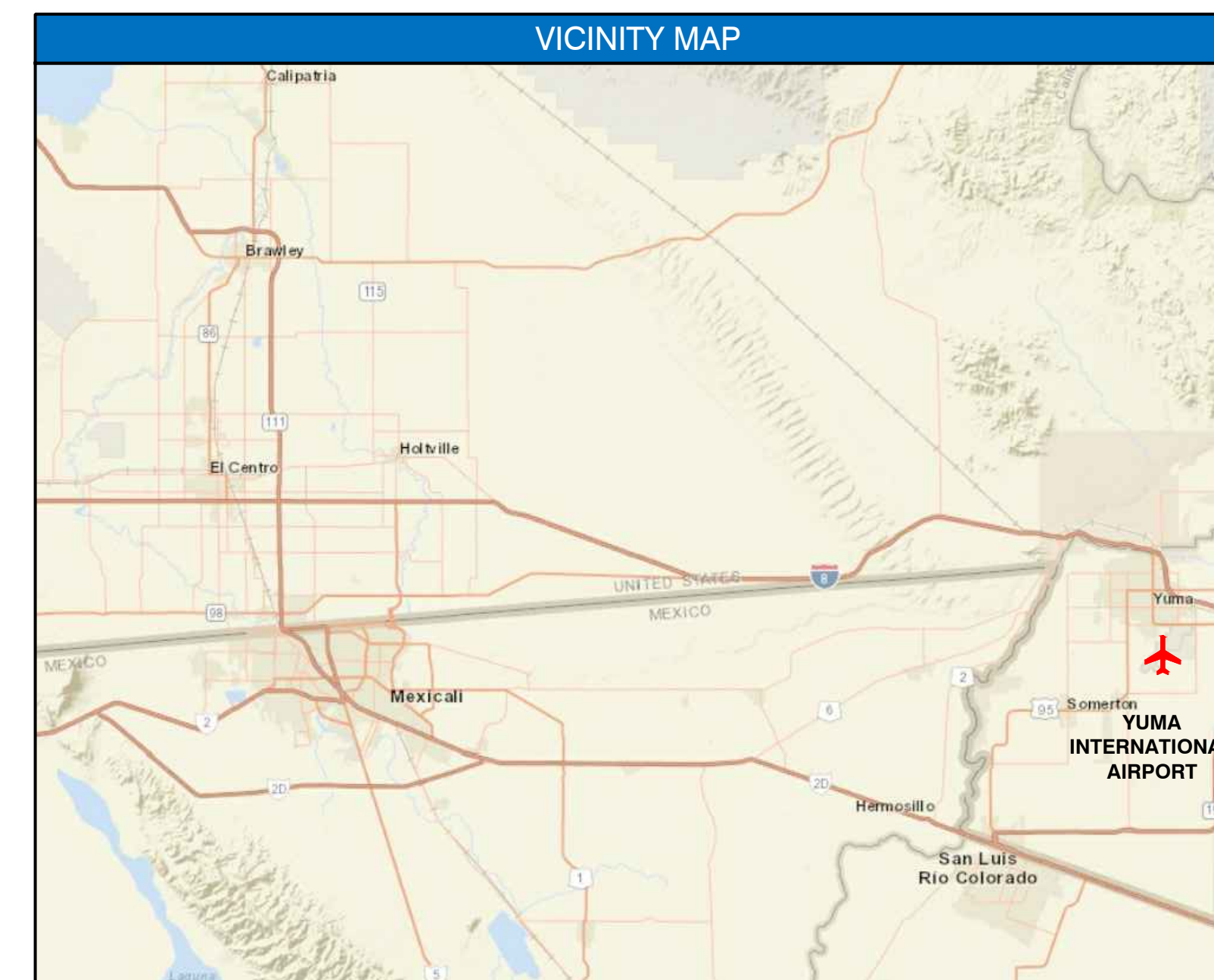
Mead & Hunt
Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.



SHEET INDEX	
1.	INDEX
2.	AIRPORT LAYOUT PLAN
3.	AIRPORT DATA
4.	PART 77 AIRSPACE PLAN
5.	RUNWAY 21R OUTER APPROACH PLAN
6.	PART 77 AIRSPACE PROFILES - RUNWAYS 3L/21R & 3R/21L
7.	PART 77 AIRSPACE PROFILES - RUNWAYS 17/35 & 8/26
8.	RUNWAY 3L/21R INNER APPROACHES
9.	RUNWAY 3R/21L INNER APPROACHES
10.	RUNWAY 17/35 INNER APPROACHES
11.	RUNWAY 8/26 INNER APPROACHES
12.	RUNWAY 3L/21R DEPARTURE SURFACES
13.	RUNWAY 3R/21L DEPARTURE SURFACES
14.	RUNWAY 17/35 DEPARTURE SURFACES
15.	RUNWAY 8/26 DEPARTURE SURFACES
16.	RUNWAY CENTERLINE PROFILES - RUNWAYS 3L/21R & 3R/21L
17.	RUNWAY CENTERLINE PROFILES - RUNWAYS 17/35 & 8/26
18.	BUILDING AREA PLAN - NORTH
19.	BUILDING AREA PLAN - WEST
20.	BUILDING AREA PLAN - SOUTH
21.	ON-AIRPORT LAND USE PLAN
22.	AIRPORT PROPERTY MAP



REVISION BLOCK			
#	DESCRIPTION	BY	DATE
1	Master Plan - ALP Update	M&H	9/01/21

SUBMITTED BY:
YUMA COUNTY AIRPORT AUTHORITY
By *[Signature]*
Title AIRPORT DIRECTOR, Date 11/11/2021

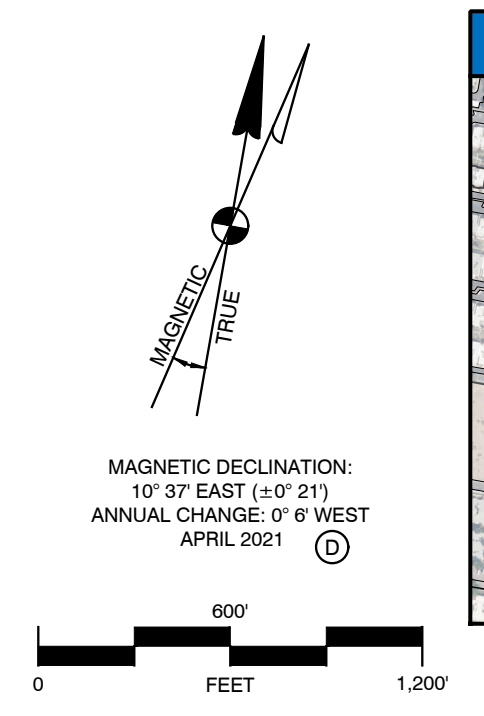
**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DATE 11/11/21
BY M&H
DESCRIPTION REVISIONS
Master Plan - ALP Update
M&H NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
INDEX
SHEET NO.
1 of 22
NOT FOR CONSTRUCTION

DRAWING LEGEND		
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		
PAVEMENT TO BE REMOVED (AIRFIELD)	N/A	
AIRPORT PROPERTY		N/A
AIRPORT REFERENCE POINT		N/A
RUNWAY SAFETY AREA (RSA)		N/A
RUNWAY PROTECTION ZONE (RPZ)		N/A
RUNWAY OBJECT FREE AREA (ROFA)		N/A
OBSTACLE FREE ZONE (OFZ)		N/A
PRECISION OFZ		N/A
INNER APPROACH OFZ		N/A
INNER TRANSITIONAL OFZ		N/A
BUILDING RESTRICTION LINE (BRL)		
FAR PART 77 APPROACH SURFACE		N/A
THRESHOLD SITING SURFACE (TSS)		N/A
RUNWAY VISIBILITY ZONE (RVZ)		N/A
TAXIWAY / LANE MARKING		
TAXIWAY OBJECT FREE AREA (TOFA)		
BUILDING - ON AIRPORT		
BUILDING - MARINE CORPS AIR STATION (MCAS)		N/A
BUILDING - OFF AIRPORT		N/A
NONAERONAUTICAL DEVELOPMENT	N/A	
MONUMENT (PACS and SACS)		N/A
LIGHTS (EDGE / GROUP / REIL)		N/A
BEACON / ANTENNA / POLE		N/A
VISUAL APPROACH SLOPE INDICATOR (VASI)		N/A
PRECISION APPROACH PATH INDICATOR (PAPI)		N/A
MED. INT. APPROACH LIGHT SYSTEM (MALS)		N/A
RUNWAY / TAXIWAY SIGN		N/A
WIND CONE		N/A
REFLECTORS (RADAR / TOUCHDOWN)		N/A
GLIDESLOPE ANTENNA		N/A
GLIDESLOPE CRITICAL AREA (GCA)		N/A
LOCALIZER		N/A
LOCALIZER CRITICAL AREA (LCA)		N/A
AUTO. SURFACE OBSERVING SYSTEM (ASOS)		N/A
ASOS CRITICAL AREA (ACA)		N/A
TACTICAL AIR NAVIGATION (TACAN)		N/A
TACAN CRITICAL AREA		N/A
AIRPORT SURVEILLANCE RADAR CRITICAL AREA		N/A
ROAD/PARKING		N/A
AIRPORT SERVICE ROAD		N/A
FENCE (9 FEET) / GATE		N/A
CHANNEL / DITCH		N/A
TERRAIN CONTOUR		N/A
CENTER SECTION MARKER		N/A



SUBMITTED BY:
YUMA COUNTY AIRPORT AUTHORITY

By *[Signature]*

Title: AIRPORT DIRECTOR Date: 11/11/2021

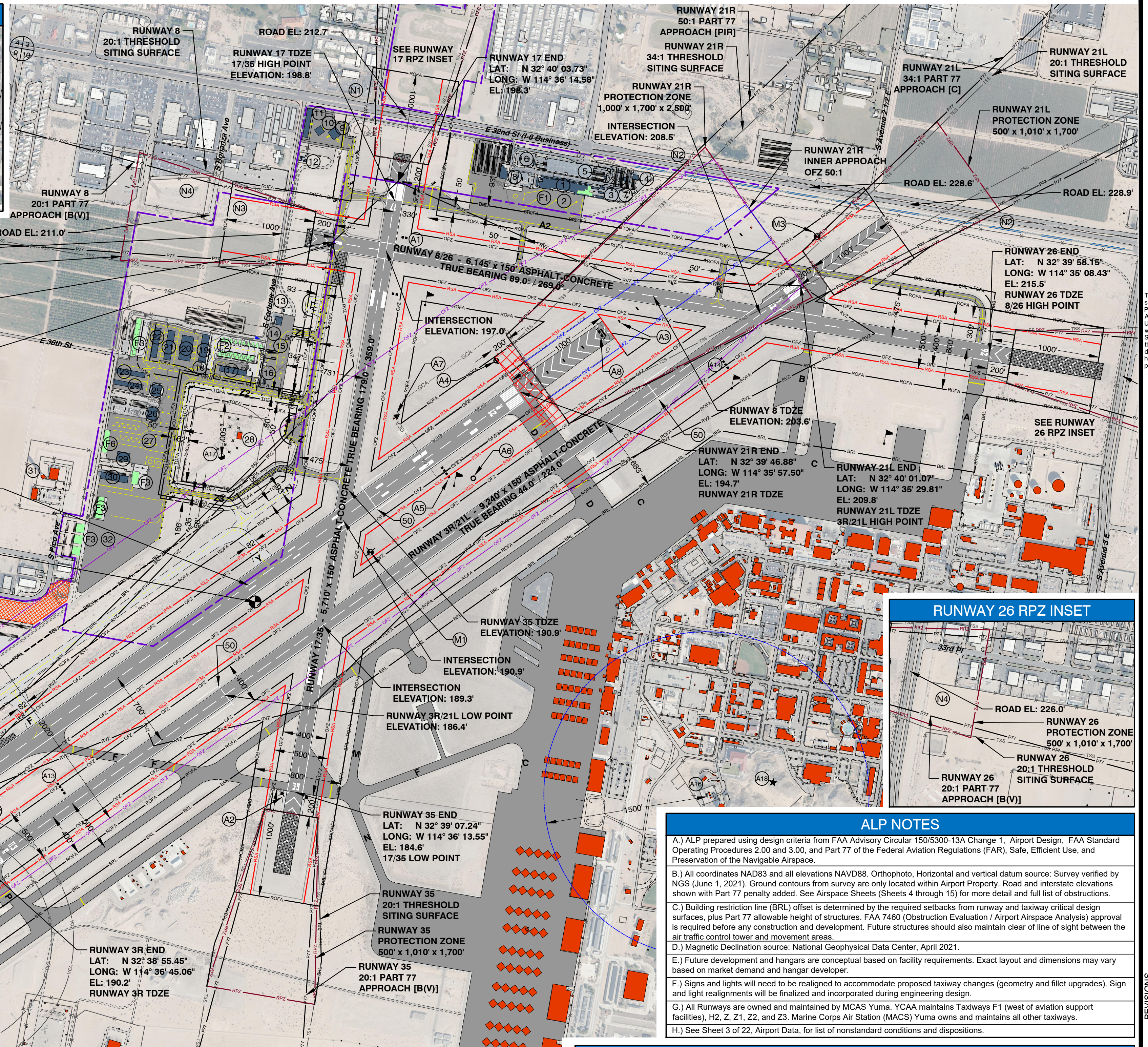
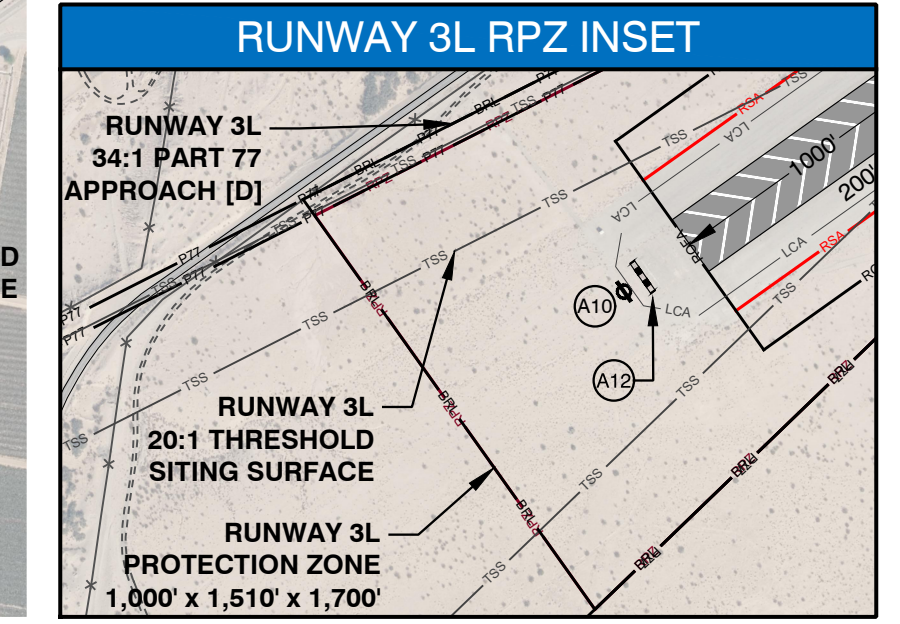
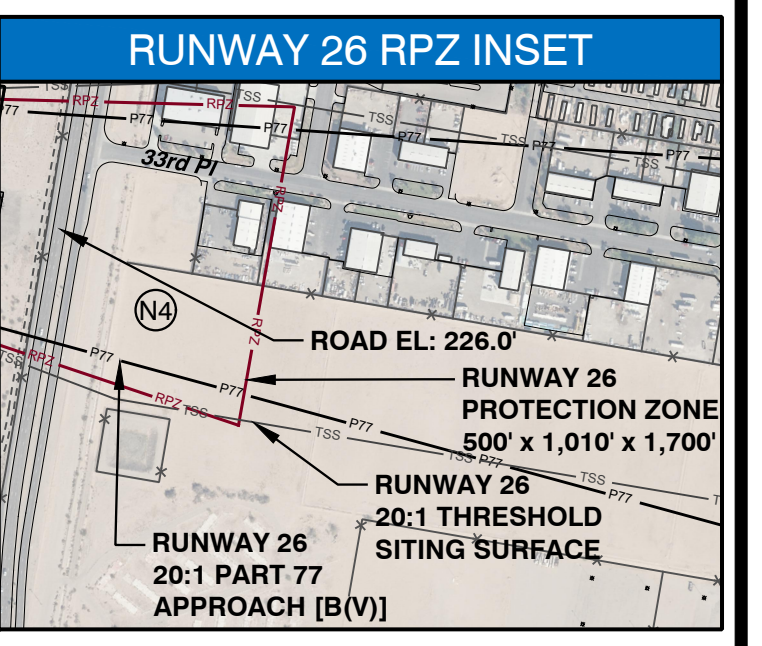
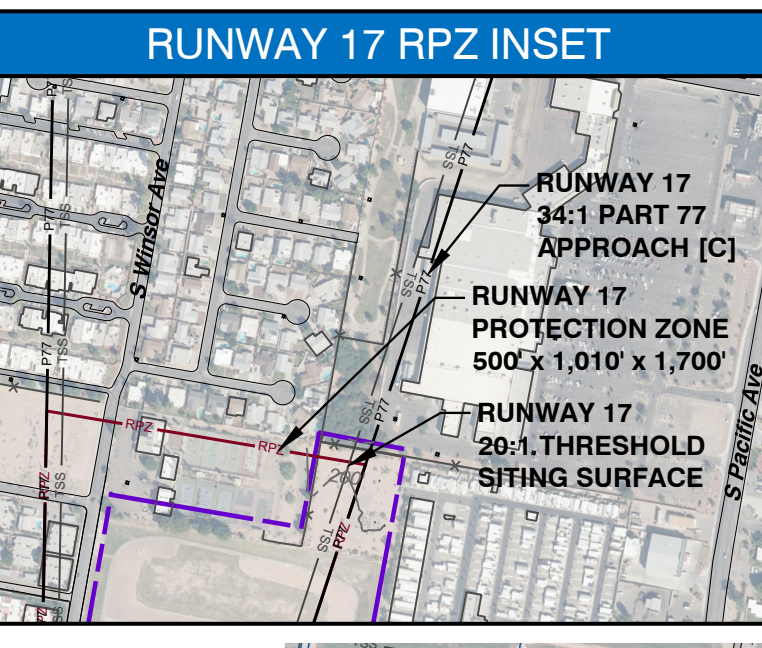
FAA APPROVAL STAMP

FAA Approval - December 15, 2021

FAA Approval Letter - 12/15/2021

Phoenix Airports District Office

AIRPORT REFERENCE POINT
LAT: N 32° 39' 23.7"
LONG: W 114° 36' 21.5"



ALP NOTES

A.) ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and Part 77 of the Federal Aviation Regulations (FAR), Safe, Efficient Use, and Preservation of the Navigable Airspace.

B.) All coordinates NAD83 and all elevations NAVD88. Orthophoto, Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property. Road and interstate elevations shown with Part 77 penalty added. See Airspace Sheets (Sheets 4 through 15) for more detail and full list of obstructions.

C.) Building restriction line (BRL) offset is determined by the required setbacks from runway and taxiway critical design surfaces, plus Part 77 allowable height of structures. FAA 7460 (Obstruction Evaluation / Airport Airspace Analysis) approval is required before any construction and development. Future structures should also maintain clear of line of sight between the air traffic control towers and movement areas.

D.) Magnetic Declination source: National Geophysical Data Center, April 2021.

E.) Future development and hangars are conceptual based on facility requirements. Exact layout and dimensions may vary based on market demand and hangar developer.

F.) Signs and lights will need to be realigned to accommodate proposed taxiway changes (geometry and fillet upgrades). Sign and light realignments will be finalized and incorporated during engineering design.

G.) All Runways are owned and maintained by MCAS Yuma. YCAA maintains Taxiways F1 (west of aviation support facilities), H2, Z, Z1, Z2, and Z3. Marine Corps Air Station (MCAS) Yuma owns and maintains all other taxiways.

H.) See Sheet 3 of 22, Airport Data, for list of nonstandard conditions and dispositions.

EXISTING FACILITIES					
ALP #	FACILITY NAME	ELEVATION	ALP #	FACILITY NAME	ELEVATION
1	Terminal	241.0'	26	Fixed Base Operator (FBO)	208.3'
2	Terminal Apron (377,120 SF)	N/A	27	GA Public Apron (991,572 SF)	N/A
3	Shade Parking - Rental Cars	218.4'	28	Antenna Farm	204.7'
4	Maintenance Building	231.9'	29	Low Hangar	212.1'
5	Electrical Vault - Solar Panels	213.8'	30	Big Adventure Hangar	211.8'
6	Automatic Ticket Dispensers - Parking	205.6'	31	Air Traffic Control Tower (ATCT)	N/A
7	Toll Booth	222.2'	32	GA Public Apron (439,600 SF)	N/A
8	FAA Airways Facilities Office / YCAA	212.6'	33	U.S. Customs and Border Protection (CBP) Shaded Parking	198.4'
9	Northwest GA Hangar - Building 3	213.7'	34	CBP Office Air Marine (CBP-OAM)	203.2'
10	Northwest GA Hangar - Building 2	213.0'	35	CBP-OAM	206.5'
11	Northwest GA Hangar - Building 1	215.4'	36	CBP-OAM	218.8'
12	Storage / Tanks	206.6'	37	CBP-OAM	212.9'
13	Maintenance Shed	204.0'	38	Joe Foss Hangar	222.2'
14	Air Methods Building	211.8'	39	Defense Contractor Complex Apron (DCC) (879,717 SF)	N/A
15	Self-Service Apron (124,418 SF)	N/A	40	Jet Blast Deflector & Apron (185,000 SF)	N/A
16	Self-Service Fuel	N/A	41	DCC Fuel Farm	N/A
17	Martha Taylor Hangars	210.2'	42	Pappy Boyington Hangar	214.8'
18	Aircraft Wash Facility	200.1'	43	FedEx Ship Center	208.6'
19	Hero Hangar - Building A	218.9'	44	Pappy Apron (123,396 SF)	N/A
20	Hero Hangar - Building B	215.9'	45	Amelia Earhart Hangar	223.2'
21	Hero Hangar - Building C	210.4'	46	DCC Apron Area II (265,000 SF)	N/A
22	Hero Hangar - Building D	208.4'	47	Electrical / IT Building	200.9'
23	T-Shades	202.5'	48	TAZ Office	200.7'
24	T-Shades	202.7'	49	Lighting Strike Trailer	N/A
25	Wrong Way Hangar	215.0'	50	Arresting Gear Equipment	N/A

VISUAL AND NAVAIDS

ALP#	FACILITY NAME
A1	Rwy 17 Visual Approach Slope Indicator (VASI) (4L)
A2	Rwy 35 Runway End Identifier Lights (REILs)
A3	Rwy 21R Med. Int. Approach Light System (MALS)
A4	Rwy 21R Radar Reflector
A5	Rwy 21R Precision Approach Path Indicator (PAPI) (4L)
A6	Rwy 21R Touchdown Reflector
A7	Rwy 21R Glide Slope
A8	Rwy 3L Localizer
A9	Rwy 3L PAPI (4L)
A10	Rwy 3L Radar Reflectors
A11	Rwy 3L Touchdown Reflector
A12	Rwy 21R Localizer
A13	Rwy 3R PAPI (4L)
A14	Rwy 21L PAPI (4L)
A15	Tactical Air Navigation (TACAN)
A16	Airport Surveillance Radar (ASR)
A17	Automated Surface Observing System (ASOS)
A18	Airport Beacon

FUTURE FACILITIES

ALP #	FACILITY NAME
F1	Terminal Expansion
F2	T-Hangars
F3	Hangars
F4	Industrial Aviation Expansion
F5	Fuel Tanks (6 total)
F6	Maintenance Storage Facility

MONUMENTS

ALP#	ID	LATITUDE	LONGITUDE
M1	PAC	AC6848	N 32° 39' 30.02" W 114° 36' 10.24"
M2	SAC	AC6849	N 32° 38' 57.84" W 114° 36' 47.94"
M3	SAC	AC6850	N 32° 40' 05.74" W 114° 35' 29.03"

The horizontal coordinates for PACS and SACS were established by GPS observations and adjusted by the National Geodetic Survey in December 2020.

Mead & Hunt

Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do 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 or would have justification in accordance with appropriate public laws.

YUMA INTERNATIONAL AIRPORT AIRPORT LAYOUT PLAN

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DATE: 11/11/21

BY: MBH

REVISIONS

#	DESCRIPTION	ALP Update
1	Main Plan - ALP Update	

MBH NO.: 2501500-181612-01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DM
CHECKED BY: BL
DO NOT SCALE DRAWINGS

AIRPORT LAYOUT PLAN

X:\2501500\181612\01\TECH\CAD\ALP\ALP AIRPORT LAYOUT PLAN.DWG 11/10/2021 3:10 PM

RUNWAY DATA																
	3L / 21R		3R / 21L		17 / 35		8 / 26									
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE								
UTILITY / GREATER THAN UTILITY	Greater Than Utility	No Change	Greater Than Utility	No Change	Greater Than Utility	No Change	Greater Than Utility	No Change								
RUNWAY DESIGN CODE	E-VI-2400	No Change	D-V-5000	No Change	C-III-5000	No Change	C-III-VIS	No Change								
APPROACH REFERENCE CODE	D/VI/4000, D/VI/2400	No Change	D/VI/5000	No Change	D/VI/VIS, D/VI/5000	No Change	D/VI/VIS, D/VI/5000	No Change								
DEPARTURE REFERENCE CODE	D/VI	No Change	D/VI	No Change	D/VI, D/V	No Change	CRJ, D/V	No Change								
CRITICAL AIRCRAFT	AIRCRAFT	B-747 / AN 124 / C-5A	No Change	Boeing 747 (B-747)	No Change	CRJ-900	No Change	CRJ-900	No Change							
	WINGSPAN	240.5' (AN 124-100)	No Change	213'	No Change	81.5'	No Change	81.5'	No Change							
	APPROACH SPEED (KTS)	> 166 knots (Special Military)	No Change	157 knots	No Change	140 knots	No Change	140 knots	No Change							
	MAX TAKEOFF WEIGHT	864,000 (AN 124-100)	No Change	910,000	No Change	80,500	No Change	80,500	No Change							
	COCKPIT TO MAIN GEAR	83.99' (AN 124-100)	No Change	91.7'	No Change	56.8'	No Change	56.8'	No Change							
	MAIN GEAR WIDTH	37.53' (C-5A)	No Change	41.4'	No Change	16.4'	No Change	16.4'	No Change							
TAXIWAY DESIGN GROUP	5	No Change	5	No Change	2	No Change	2	No Change								
PAVEMENT STRENGTH AND MATERIAL	SURFACE MATERIAL	Concrete	No Change	Asphalt-Concrete	No Change	Asphalt-Concrete	No Change	Asphalt-Concrete	No Change							
	DESIGN STRENGTH (x1000)	103 SW, 200 DW, 400 DT	No Change	162 SW, 200 DW, 400 DT	No Change	72 SW, 171 DW, 255 DT	No Change	63 SW, 137 DW, 206 DT	No Change							
	STRENGTH BY PCN	71/R/C/W/T	No Change	59/F/B/W/T	No Change	33/F/B/W/T	No Change	33/F/B/W/T	No Change							
SURFACE TREATMENT	Grooved	No Change	Grooved	No Change	Grooved	No Change	Grooved	No Change								
EFFECTIVE RUNWAY GRADIENT %	0.0%	No Change	0.2%	No Change	0.2%	No Change	0.3%	No Change								
VERTICAL LINE OF SIGHT PROVIDED	Yes	No Change	Yes	No Change	Yes	No Change	Yes	No Change								
RUNWAY LENGTH	13,300'	No Change	9,240'	No Change	5,710'	No Change	6,145'	No Change								
RUNWAY WIDTH	200'	No Change	150'	No Change	150'	No Change	150'	No Change								
RUNWAY SHOULDER WIDTH	20'	No Change	40'	No Change	15'	No Change	25'	No Change								
RUNWAY END ELEVATIONS	3L	194.6'	3L	No Change	3R	190.2'	3R	No Change	17	198.3'	17	No Change	8	196.8'	8	No Change
	21R	194.7'	21R	No Change	21L	209.8'	21L	No Change	35	184.6'	35	No Change	26	215.5'	26	No Change
DISPLACED THRESHOLD	3L	N/A	3L	No Change	3R	N/A	3R	No Change	17	N/A	17	No Change	8	N/A	8	No Change
	21R	N/A	21R	No Change	21L	N/A	21L	No Change	35	N/A	35	No Change	26	N/A	26	No Change
DISPLACED THRESHOLD ELEVATIONS	3L	N/A	3L	No Change	3R	N/A	3R	No Change	17	N/A	17	No Change	8	N/A	8	No Change
	21R	N/A	21R	No Change	21L	N/A	21L	No Change	35	N/A	35	No Change	26	N/A	26	No Change
RUNWAY TOUCHDOWN ZONE ELEVATIONS	3L	197.6'	3L	No Change	3R	190.2'	3R	No Change	17	198.8'	17	No Change	8	203.6'	8	No Change
	21R	194.7'	21R	No Change	21L	209.8'	21L	No Change	35	190.9'	35	No Change	26	215.5'	26	No Change
RUNWAY HIGH POINT	198.0'	No Change	209.8'	No Change	198.8'	No Change	215.5'	No Change								
RUNWAY LOW POINT	188.9'	No Change	186.4'	No Change	184.6'	No Change	196.7'	No Change								
RUNWAY SAFETY AREA (RSA) LENGTH BEYOND RWY END	REQUIRED	3L 1,000'	3L No Change	3R 1,000'	3R No Change	17 1,000'	17 No Change	8 1,000'	8 No Change							
	ACTUAL	21R 1,000'	21R No Change	21L 1,000'	21L No Change	35 1,000'	35 No Change	26 1,000'	26 No Change							
RUNWAY SAFETY AREA WIDTH	REQUIRED	3L 500'	3L No Change	3R 500'	3R No Change	17 500'	17 No Change	8 500'	8 No Change							
	ACTUAL	21R 500'	21R No Change	21L 500'	21L No Change	35 500'	35 No Change	26 500'	26 No Change							
RUNWAY EDGE LIGHTING	HIRL	No Change	HIRL	No Change	HIRL	No Change	HIRL	No Change								
RUNWAY PROTECTION ZONE (RPZ) APPROACH (INNER WIDTH x OUTER WIDTH x LENGTH)	3L	1,000'x1,510'x1,700'	3L No Change	3R 500'x1,010'x1,700'	3R No Change	17 500'x1,010'x1,700'	17 No Change	8 500'x1,010'x1,700'	8 No Change							
	21R	1,000'x1,700'x2,500'	21R No Change	21L 500'x1,010'x1,700'	21L No Change	35 500'x1,010'x1,700'	35 No Change	26 500'x1,010'x1,700'	26 No Change							
RUNWAY PROTECTION ZONE (RPZ) DEPARTURE (INNER WIDTH x OUTER WIDTH x LENGTH)	3L	500'x1,010'x1,700'	3L No Change	3R 500'x1,010'x1,700'	3R No Change	17 500'x1,010'x1,700'	17 No Change	8 500'x1,010'x1,700'	8 No Change							
	21R	500'x1,010'x1,700'	21R No Change	21L 500'x1,010'x1,700'	21L No Change	35 500'x1,010'x1,700'	35 No Change	26 500'x1,010'x1,700'	26 No Change							
RUNWAY MARKING	3L	Precision	3L No Change	3R Nonprecision	3R No Change	17 Nonprecision	17 No Change	8 Basic	8 No Change							
	21R	Precision [D]	21R No Change	21L Nonprecision [C]	21L No Change	35 Nonprecision [C]	35 No Change	26 Basic	26 No Change							
14 CFR PART 77 APPROACH CATEGORY	21R	PIR	21R No Change	21L Nonprecision [C]	21L No Change	35 Visual [B(V)]	35 No Change	26 Visual [B(V)]	26 No Change							
14 CFR PART 77 APPROACH SLOPE	3L	34:1	3L No Change	3R 34:1	3R No Change	17 34:1	17 No Change	8 20:1	8 No Change							
	21R	50:1	21R No Change	21L 34:1	21L No Change	35 20:1	35 No Change	26 20:1	26 No Change							
APPROACH VISIBILITY MINIMUMS	3L	3/4 Mile	3L No Change	3R 1 Mile	3R No Change	17 1 Mile	17 No Change	8 Visual	8 No Change							
	21R	1/2 Mile	21R No Change	21L 1 Mile	21L No Change	35 Visual	35 No Change	26 Visual	26 No Change							
TYPE OF AERONAUTICAL SURVEY REQUIRED (VERTICALLY GUIDED OR NOT)	3L	Vertically Guided	3L No Change	3R Vertically Guided	3R No Change	17 Vertically Guided	17 No Change	8 N/A	8 No Change							
	21R	Vertically Guided	21R No Change	21L Vertically Guided	21L No Change	35 N/A	35 No Change	26 N/A	26 No Change							
RUNWAY DEPARTURE SURFACE	3L	40.1	3L No Change	3R 40.1	3R No Change	17 40.1	17 No Change	8 40.1	8 No Change							
	21R	40.1	21R No Change	21L 40.1	21L No Change	35 40.1	35 No Change	26 40.1	26 No Change							
RUNWAY OBJECT FREE AREA (ROFA) LENGTH BEYOND RWY END	3L	1,000'	3L No Change	3R 1,000'	3R No Change	17 1,000'	17 No Change	8 1,000'	8 No Change							
	21R	1,000'	21R No Change	21L 1,000'	21L No Change	35 1,000'	35 No Change	26 1,000'	26 No Change							
RUNWAY OBJECT FREE AREA (ROFA) WIDTH	3L	800'	3L No Change	3R 800'	3R No Change	17 800'	17 No Change	8 800'	8 No Change							
	21R	200'	21R No Change	21L 200'	21L No Change	35 200'	35 No Change	26 200'	26 No Change							
RUNWAY OBSTACLE FREE ZONE (OFZ) LENGTH BEYOND RWY END	3L	200'	3L No Change	3R 200'	3R No Change	17 200'	17 No Change	8 200'	8 No Change							
	21R	200'	21R No Change	21L 200'	21L No Change	35 200'	35 No Change	26 200'	26 No Change							
RUNWAY OBSTACLE FREE ZONE (OFZ) WIDTH	3L	400'	3L No Change	3R 400'	3R No Change	17 400'	17 No Change	8 400'	8 No Change							
	21R	2,500'	21R No Change	21L N/A	21L No Change	35 N/A	35 No Change	26 N/A	26 No Change							
INNER APPROACH OFZ LENGTH (For Rwy w/ ALS. Begins 200' from Rwy end @ 50:1)	3L	N/A	3L No Change	3R N/A	3R No Change	17 N/A	17 No Change	8 N/A	8 No Change							
	21R	2,500'	21R No Change	21L N/A	21L No Change	35 N/A	35 No Change	26 N/A	26 No Change							
INNER APPROACH OFZ WIDTH	3L	400'	3L No Change	3R N/A	3R No Change	17 N/A	17 No Change	8 N/A	8 No Change							
	21R	N/A	21R No Change	21L N/A	21L No Change	35 N/A	35 No Change	26 N/A	26 No Change							
INNER-TRANSITIONAL OFZ WIDTH (For Runways w/ <3/4-mile Approach Visibility Minimums)	3L	2020.1'	3L No Change	3R 2020.1'	3R No Change	17 2020.1'	17 No Change	8 2020.1'	8 No Change							
	21R	N/A	21R No Change	21L N/A	21L No Change	35 N/A	35 No Change	26 N/A	26 No Change							
PRECISION OBSTACLE FREE ZONE (LENGTH x WIDTH) (For Rwy w/ vert guidance and <250' ceiling/<3/4 mile vis)	3L	200'x800'	3L No Change	3R N/A	3R No Change	17 N/A	17 No Change	8 N/A	8 No Change							
	21R	N/A	21R No Change	21L N/A	21L No Change	35 N/A	35 No Change	26 N/A	26 No Change							
THRESHOLD SITING SURFACE (Per Engineering Brief #69A, July 24, 2020 [Changes to Tables 3-2 and 3-4 of AC 150/5300-13A]. See Airspace Plan for more information.)	3L	20:1 App. end of runway to accommodate inst. apps. with vis. mins >= 3/4 mile	3L No Change	3R 20:1 App. end of runway to accommodate inst. apps. with vis. mins >= 3/4 mile	3R No Change	17 20:1 App. end of runway to accommodate inst. apps. with vis. mins >= 3/4 mile	17 No Change	8 20:1 App. end of runway to accommodate inst. apps. with vis. mins >= 3/4 mile	8 No Change							
	21R	34:1 App. end of runway to accommodate inst. apps. with vert guidance >= 3/4 mile	21R No Change	21L 20:1 App. end of runway to accommodate inst. apps. with vis. mins >= 3/4 mile	21L No Change	35 20:1 App. end of runway to accommodate inst. apps. with vis. mins >= 3/4 mile	35 No Change	26 20:1 App. end of runway to accommodate inst. apps. with vis. mins >= 3/4 mile	26 No Change							
NAVIGATION AIDS	3L	RNAV, TACAN, Localizer, PAR ASR	3L No Change	3R PAR ASR	3R No Change	17 RNAV, VOR/DME, TACAN	17 No Change	8 N/A	8 No Change							
	21R	MALSR, ILS (CAT I), RNAV, TACAN, Localizer, PAR ASR	21R No Change	21L PAR ASR	21L No Change	35 N/A	35 No Change	26 N/A	26 No Change							
VISUAL AIDS	3L	PAPI-4L	3L No Change	3R PAPI-4L	3R No Change	17 VASI-4L	17 No Change	8 N/A	8 No Change							
	21R	PAPI-4L	21R No Change	21L PAPI-4L	21L No Change	35 REIL	35 No Change	26 N/A	26 No Change							
RUNWAY CENTERLINE TO:	PARALLEL RWY CL	700' (3R/21L)	No Change	700' (3L/21R)	No Change	N/A	No Change	N/A	No Change							
	HOLD POSITION	300' (Taxiway F1)	No Change	252' (Taxiway D)	No Change	251' (Taxiway A2)	No Change	250' (Taxiway Z)	No Change							
	PARALLEL TWY CL	1,200' (Taxiway E)	No Change	500' (Taxiway Y)	No Change	475' (Taxiway Z)	No Change	475' (Taxiways A1/A2)	No Change							
	AIRCRAFT PARKING AREA	810'	No Change	683'	No Change	731'	No Change	540'	No Change							

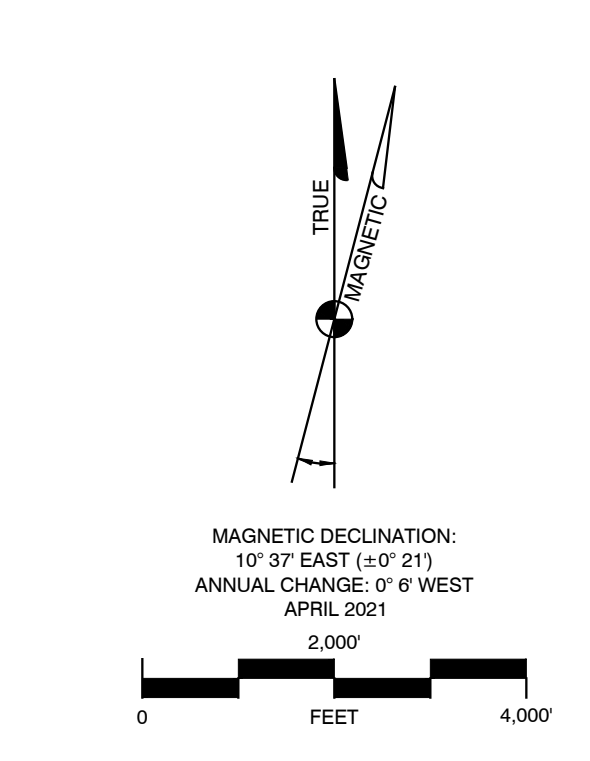
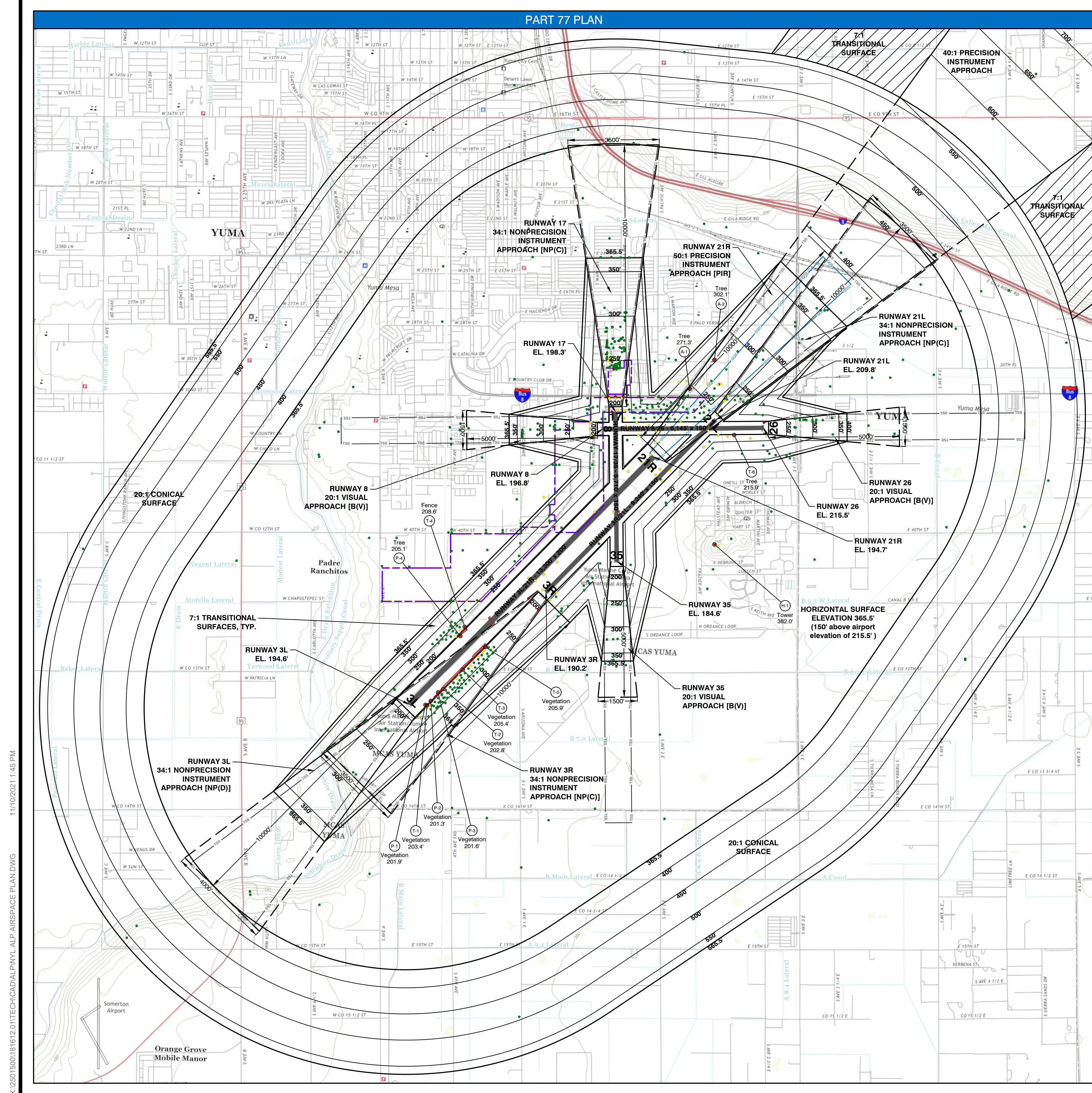
RUNWAY END COORDINATES																
	RUNWAY 3L		RUNWAY 21R		RUNWAY 3R		RUNWAY 21L		RUNWAY 17		RUNWAY 35		RUNWAY 8		RUNWAY 26	
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
LATITUDE	N 32° 38' 12.41"	No Change	N 32° 39' 46.88"	No Change	N 32° 38' 55.45"	No Change	N 32° 40' 01.07"	No Change	N 32° 40' 03.73"	No Change	N 32° 39' 07.24"	No Change	N 32° 39' 57.23"	No Change	N 32° 39' 58.15"	No Change
LONGITUDE	W 114° 37' 45.77"	No Change	W 114° 35' 57.50"	No Change	W 114° 36' 45.06"	No Change	W 114° 35' 29.81"	No Change	W 114° 36' 14.58"	No Change	W 114° 36' 13.55"	No Change	W 114° 36' 20.31"	No Change	W 114° 35' 08.43"	No Change

DECLARED DISTANCES																
	RUNWAY 3L		RUNWAY 21R		RUNWAY 3R		RUNWAY 21L		RUNWAY 17		RUNWAY 35		RUNWAY 8		RUNWAY 26	
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
TAKEOFF RUN AVAILABLE (TORA)	13,300'	No Change	13,300'	No Change	9,240'	No Change	9,240'	No Change	9,240'	No Change	5,710'	No Change	6,145'	No Change	6,145'	No Change
TAKEOFF DISTANCE AVAILABLE (TODA)	13,300'	No Change	13,300'	No Change	9,240'	No Change	9,240'	No Change	9,240'	No Change	5,710'	No Change	6,145'	No Change	6,145'	No Change
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	13,300'	No Change	13,300'	No Change	9,240'	No Change	9,240'	No Change	9,240'	No Change	5,710'	No Change	6,145'	No Change	6,145'	No Change
LANDING DISTANCE AVAILABLE (LDA)	13,300'	No Change	13,300'	No Change	9,240'	No Change	9,240'	No Change	9,240'	No Change	5,710'	No Change	6,145'	No Change	6,145'	No Change

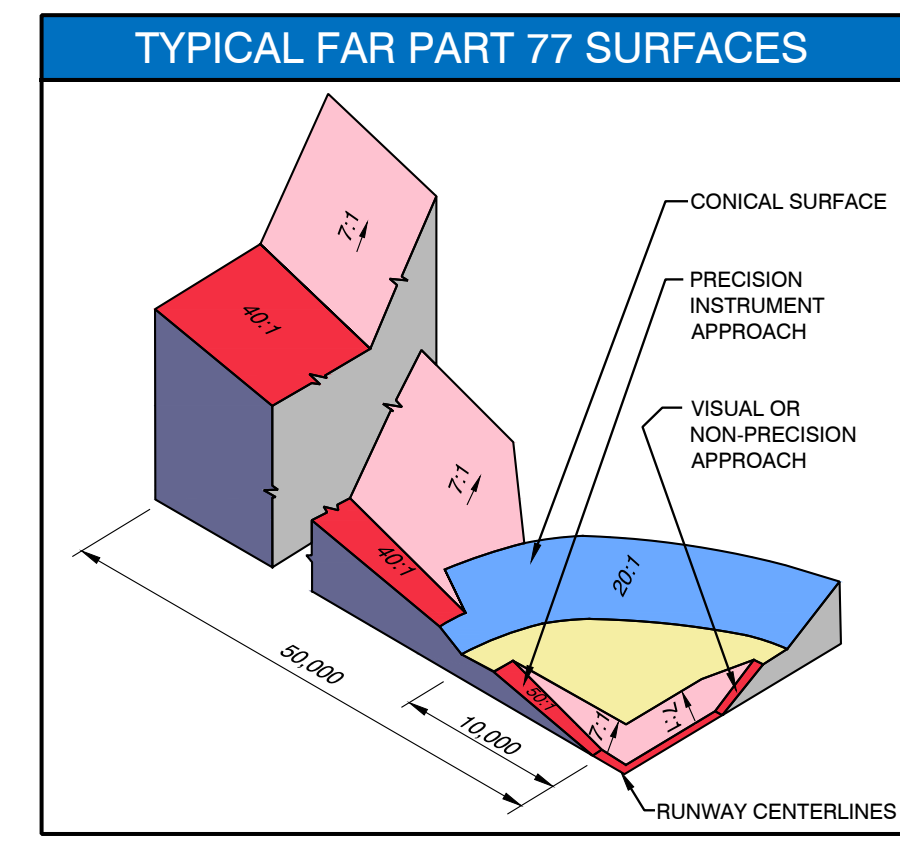
AIRPORT DATA		
	EXISTING	FUTURE
AIRPORT IDENTIFIER	NYL	No Change
AIRPORT REFERENCE CODE	C-III (Civilian), E-VI (Military)	No Change
MEAN MAX. TEMP (Hottest Month)	106.7°F (July)	No Change
AIRPORT ELEVATION (Above Mean Sea Level)	215.5'	No Change
AIRPORT NAVIGATION AIDS	ILS, RNAV GPS, VOR/DME, TACAN, ASR, PAR, ATCT	No Change
AIRPORT REFERENCE POINT	LATITUDE: W 114° 36' 21.5" LONGITUDE: N 32° 39' 23.7"	No Change
MISCELLANEOUS FACILITIES	FBO, ARFF, JET-A, 100LL Hangars, Tie downs, ASOS	No Change
CRITICAL AIRCRAFT	CRJ-900 (Civilian), Military Composite	No Change
AIRPORT MAGNETIC VARIATION (APRIL 2021)	10° 37' E (± 0° 21')	Moving 0° 6' West / Year
NPIAS SERVICE LEVEL	Primary	No Change
STATE SERVICE LEVEL	Primary	No Change
AIRPORT ACERAGE	FEE SIMPLE: 438.76 Acres AV EASEMENT: 0 Acres	No Change

EXISTING TAXIWAY DATA									
NAME	WIDTH	SHOULDER	ADG	TDG	TSA	TOFA	TESM	LIGHTING	SEPARATION FROM TAXIWAY CL TO FIXED MOVABLE OBJECT
TAXIWAY F1	75'	30'	IV	5	171'	259'	15'	MITL	129.5'
TAXIWAY H2	75'	30'	IV	5	171'	259'	15'	MITL	129.5'
TAXIWAY Z	50'	20'	III	3	118'	186'	10'	MITL	93.0'
TAXIWAY Z1	35'	10'	I	2	49'	89'	7.5'	MITL	44.5'
TAXIWAY Z2	50'	20'	III	3	118'	186'	10'	MITL	93.0'
TAXIWAY Z3	35'	15'	II	2	79'	131'	7.5'	MITL	65.5'

FUTURE TAXIWAY DATA									
NAME	WIDTH	SHOULDER	ADG						



- LEGEND: PLAN VIEW**
- Runway
 - Airport Property Boundary
 - Part 77 Surfaces
 - Part 77 Surface Contour
 - Threshold Siting Surface
 - Glide Path Qualification Surface
 - Terrain Contours
 - AGIS Object: > 10 Feet Clear Part 77
 - AGIS Object: < 10 Feet Clear Part 77
 - AGIS Object: Penetrates Part 77 Surface
 - Terrain Penetration



- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD88. All elevations in feet above mean sea level (MSL).
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021).
 - Basemap source: USGS Topographic maps (7.5 Minute Series, 2018).
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For close-in obstruction detail near each runway end, see Inner-Approach Plans, Sheets 8 - 11.
 - For departure surfaces, see Sheets 12 - 15.
 - Per Part 77, 10 feet vertical clearance added to service road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.

COMPREHENSIVE PART 77 AGIS OBJECTS

	APPROACHES						PRIMARY	TRANSITIONAL	HORIZONTAL	CONICAL		
	8	26	17	35	3L	21R						
● # OBJECTS > 10 FEET CLEAR OF PART 77 SURFACE	29	22	85	10	5	29	0	19	2	190	119	19
● # OBJECTS WITHIN 10 FEET OF PART 77 SURFACE	9	0	14	0	0	3	0	2	25	25	2	0
● # OBJECTS THAT PENETRATE PART 77 SURFACE	0	0	6	0	0	3	1	0	8	6	1	0

Note: All obstacle data points captured in the 2019 AGIS surveys are counted in this table and illustrated in the Part 77 Plan. Obstacle data includes navigational aids within the primary surface that are essential to airport operations.

OUTER PART 77 AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
P 1	Vegetation	201.9'	Primary	194.6'	7.3'	496.0'	-294.1'	Remove
P 2	Vegetation	201.3'	Primary	194.6'	6.7'	483.4'	-282.1'	Remove
P 3	Vegetation	201.6'	Primary	194.6'	7.0'	462.1'	-260.5'	Remove
P 4	Tree	205.1'	Primary	194.6'	10.5'	Object not under surface		Remove
T 1	Vegetation	203.4'	Transitional	195.6'	7.6'	494.5'	-291.1'	Remove
T 2	Vegetation	202.8'	Transitional	196.4'	6.4'	450.4'	-247.6'	Remove
T 3	Vegetation	205.4'	Transitional	197.4'	8.0'	398.1'	-192.7'	Remove
T 4	Fence	208.6'	Transitional	205.1'	3.5'	Object not under surface		Remove
T 5	Vegetation	205.9'	Transitional	199.0'	6.9'	336.7'	-130.8'	Remove
T 6	Tree	215.9'	Transitional	214.3'	1.6'	Object not under surface		Remove
H 1	Tower*	382.0'	Horizontal	365.5'	16.5'	Object not under surface		No Action
A 1	Tree	271.3'	Rwy 21R Approach	247.2'	24.1'	Object not under surface		Trim
A 2	Tree	302.1'	Rwy 21R Approach	276.1'	26.0'	314.5'	-12.4'	Trim

Note *: Facility is fixed by aeronautical function and does not require action.

Mead & Hunt
 Mead and Hunt, Inc.
 Raintree Corporate Center
 8800 E Raintree Drive, Ste 285
 Scottsdale, AZ 85260
 phone: 480-718-1896
 meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

YUMA INTERNATIONAL AIRPORT AIRPORT LAYOUT PLAN

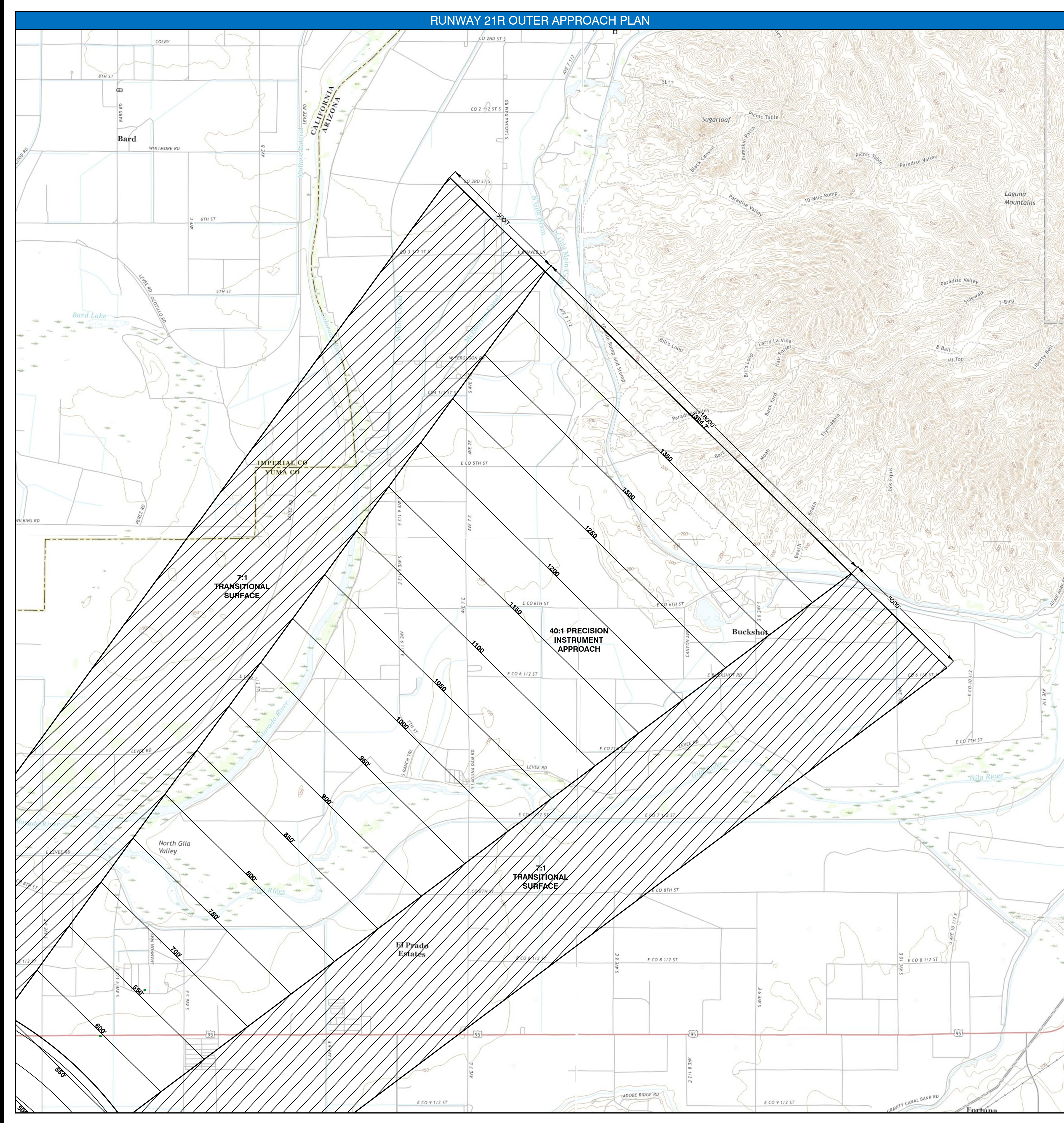
Yuma County Airport Authority
 2191 E. 32nd St., Suite 218, Yuma, AZ 85365
 September 2021

DATE: 11/11/21
 BY: MSH
 REVISIONS: Master Plan - AIP Update
 MH NO.: 2501500-181612.01
 DATE: November - 2021
 DESIGNED BY: DL, CH
 DRAWN BY: DM
 CHECKED BY: BM
 DO NOT SCALE DRAWINGS

PART 77 AIRSPACE PLAN

X:\2501500\181612.01\TECH\CAD\PNL\ALP AIRSPACE PLAN.DWG 11/11/2021 1:45 PM

X:\25015001\181612.01\TECH\CAD\PNYL\ALP_AIRSPACE_PLAN.DWG 11/10/2021 1:45 PM

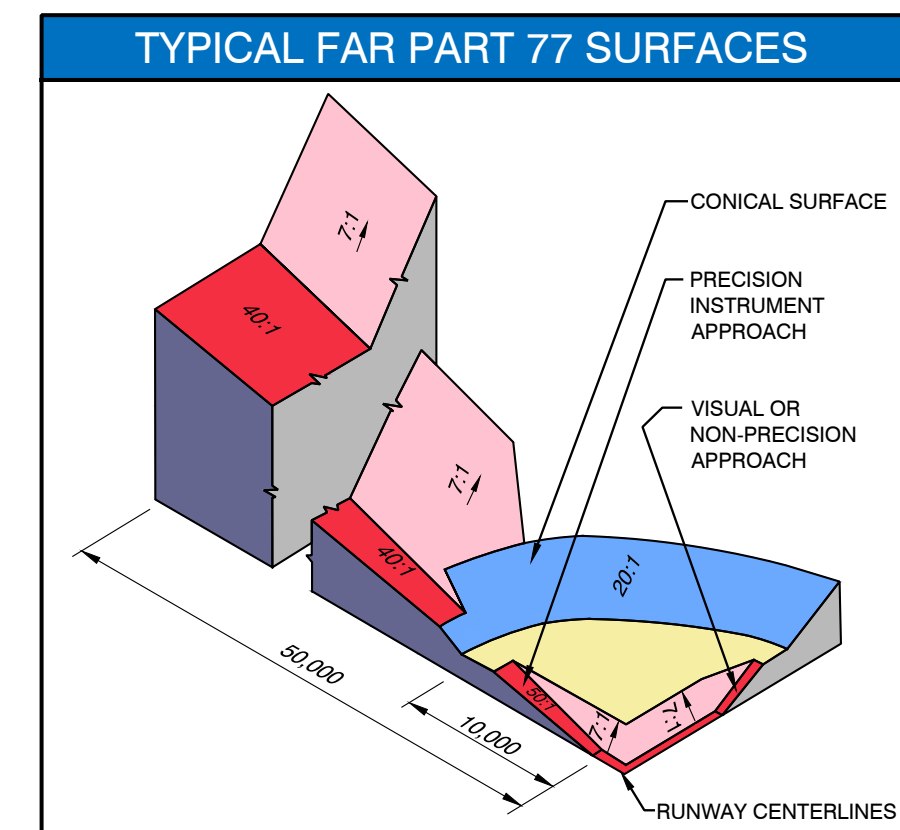


LEGEND: PLAN VIEW

- Part 77 Surfaces
- Part 77 Surface Contour
- Terrain Contours
- AGIS Object: > 10 Feet Clear Part 77
- AGIS Object: < 10 Feet Clear Part 77
- AGIS Object: Penetrates Part 77 Surface

MAGNETIC DECLINATION:
10° 37' EAST (±0° 21)
ANNUAL CHANGE: 0° 6' WEST
APRIL 2021

0 2,000 4,000
FEET



- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD88. All elevations in feet above mean sea level (MSL).
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021).
 - Basemap source: USGS Topographic maps (7.5 Minute Series, 2018).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For close-in obstruction detail near each runway end, see Inner-Approach Plans, Sheets 8 - 11.
 - For departure surfaces, see Sheets 12 - 15.
 - Per Part 77, 10 feet vertical clearance added to service road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.

Mead & Hunt

Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com

Fly YUMA
INTERNATIONAL AIRPORT

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

#	DESCRIPTION	REVISIONS	DATE
1	Main Plan - ALP Update		11/11/21

BY: MMH

MAH NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS

RUNWAY 21R OUTER APPROACH PLAN

SHEET NO.

5 of 22

NOT FOR CONSTRUCTION

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

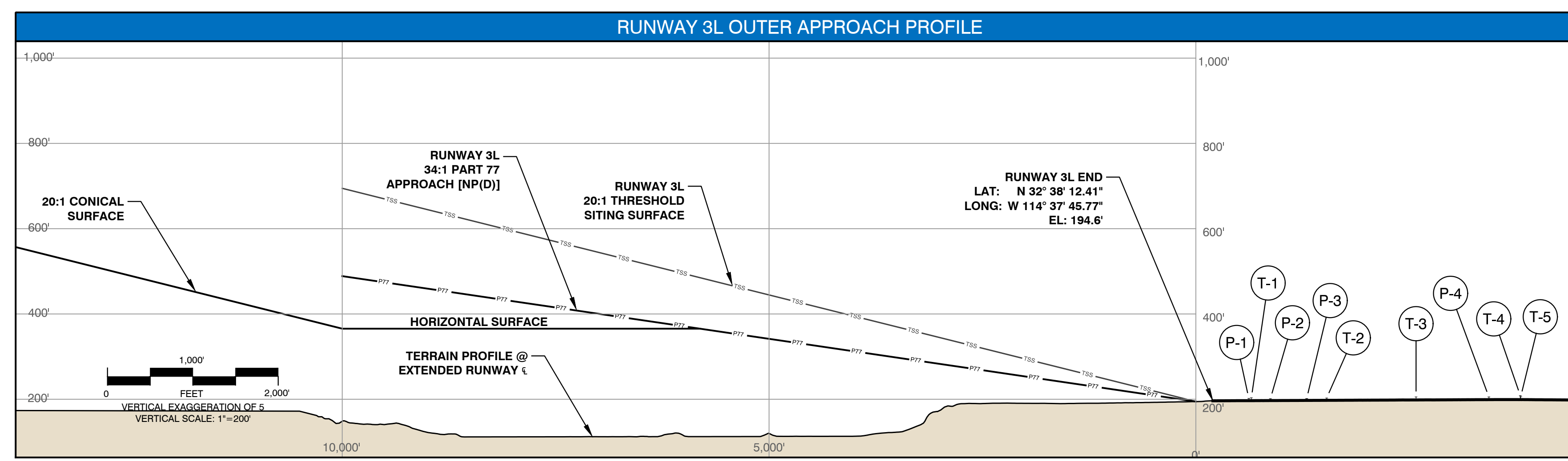
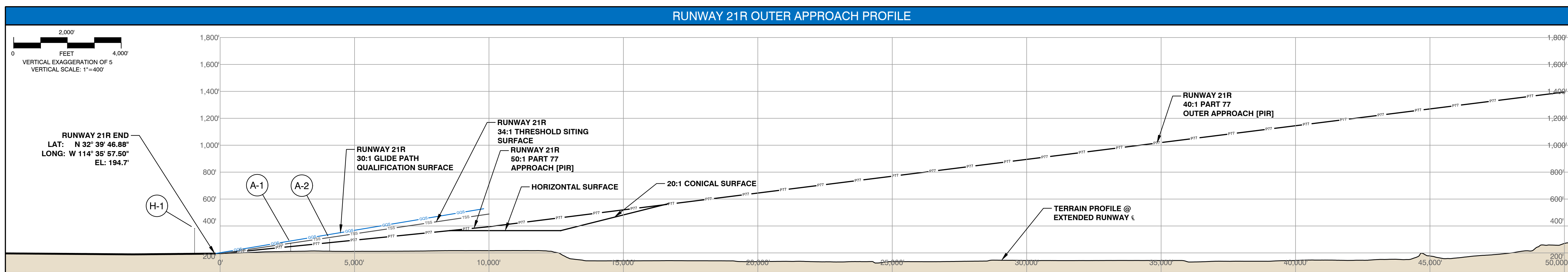
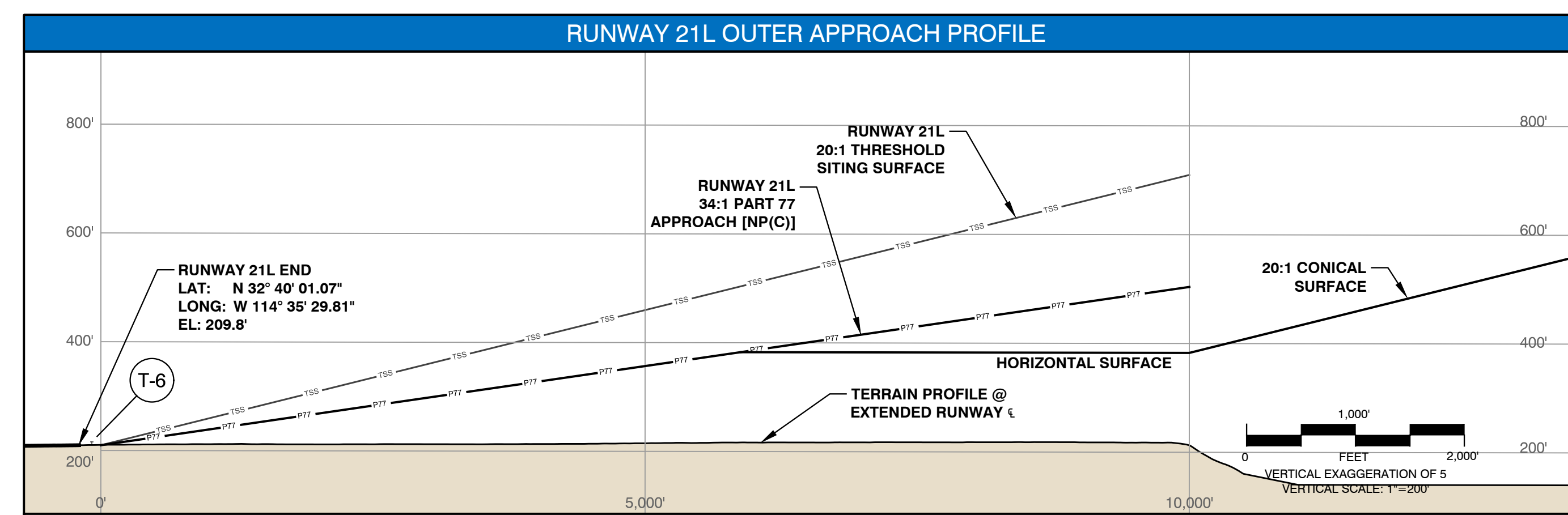
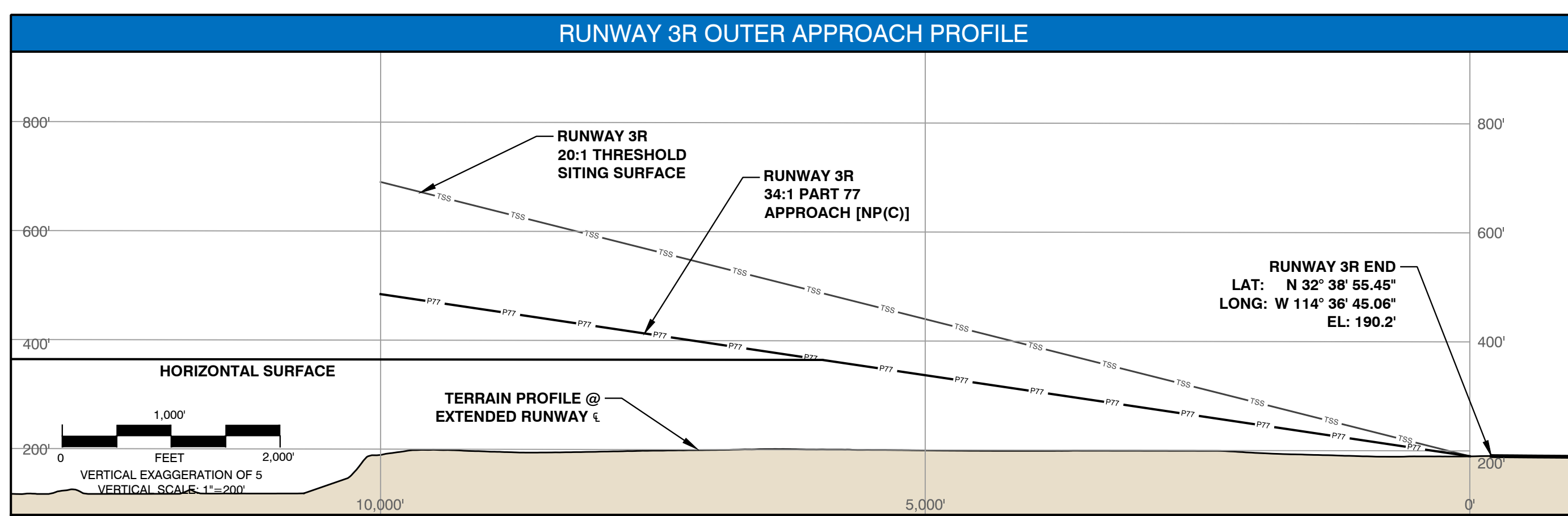
Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DATE: 11/11/21
BY: MMH
REVISIONS:
DESCRIPTION: Update
Master Plan - AIP Update

MAH NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
PART 77 AIRSPACE
PROFILES - RUNWAYS
3L/21R & 3R/21L

SHEET NO.



LEGEND

- Part 77 Surface
- Part 77 Approach Surface
- Threshold Siting Surface
- Glide Path Qualification Surface
- Airport Property Boundary

- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD88. All elevations in feet above mean sea level (MSL).
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For close-in obstruction detail near each runway end, see Inner-Approach Plans, Sheets 8 - 1.
 - For departure surface, see Sheets 12 - 15.
 - Per Part 77, 10 feet vertical clearance added to service road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.

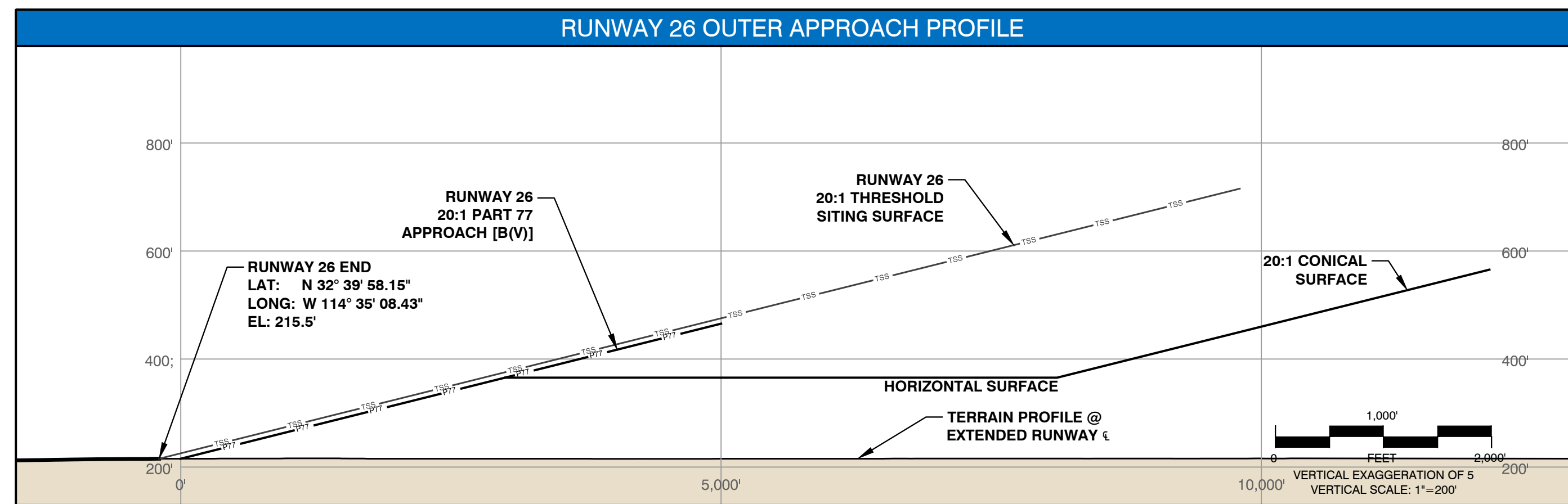
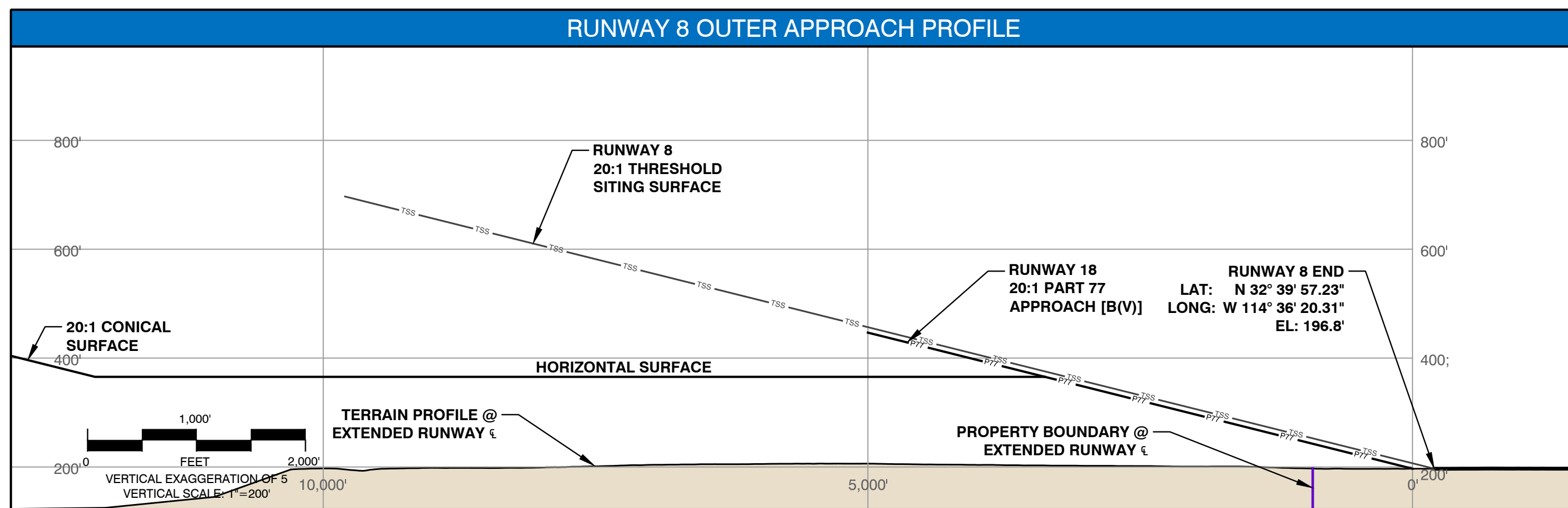
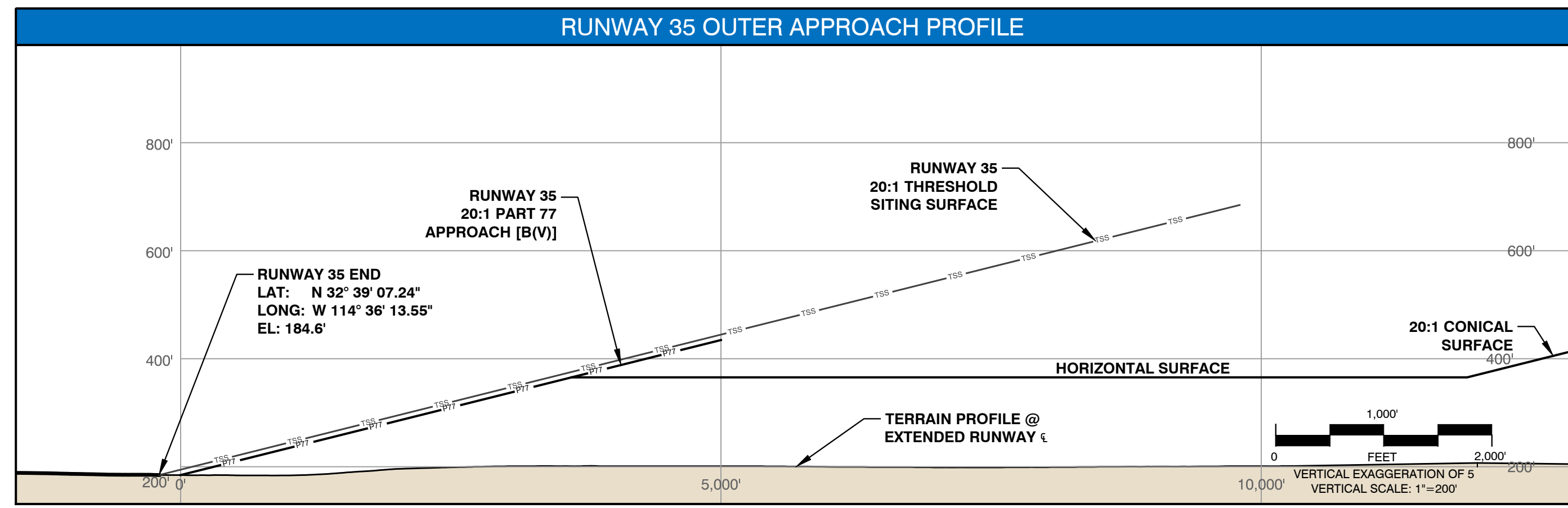
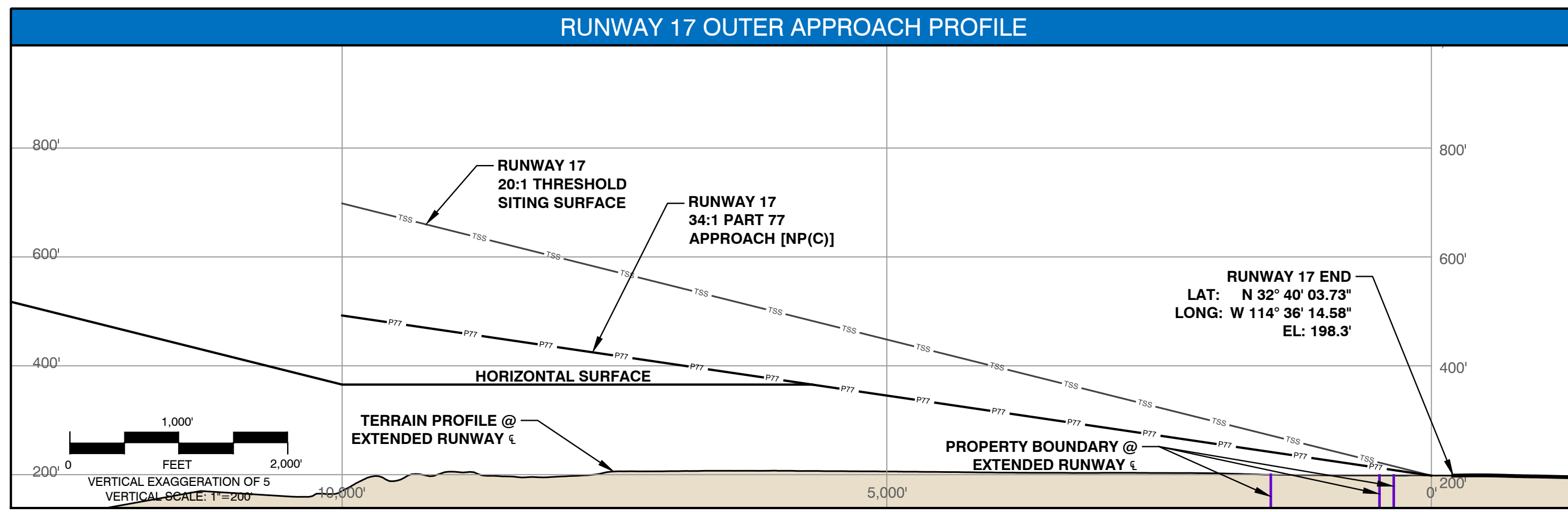
OUTER PART 77 AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
P 1	Vegetation	201.9'	Primary	194.6'	7.3'	496.0'	-294.1'	Remove
P 2	Vegetation	201.3'	Primary	194.6'	6.7'	483.4'	-282.1'	Remove
P 3	Vegetation	201.6'	Primary	194.6'	7.0'	462.1'	-260.5'	Remove
P 4	Tree	205.1'	Primary	194.6'	10.5'	Object not under surface		Remove
T 1	Vegetation	203.4'	Transitional	195.8'	7.6'	494.5'	-291.1'	Remove
T 2	Vegetation	202.8'	Transitional	196.4'	6.4'	450.4'	-247.6'	Remove
T 3	Vegetation	205.4'	Transitional	197.4'	8.0'	398.1'	-192.7'	Remove
T 4	Fence	208.6'	Transitional	205.1'	3.5'	Object not under surface		Remove
T 5	Vegetation	205.9'	Transitional	199.0'	6.9'	336.7'	-130.8'	Remove
T 6	Tree	215.9'	Transitional	214.3'	1.6'	Object not under surface		Remove
H 1	Tower*	382.0'	Horizontal	365.5'	16.5'	Object not under surface		No Action
A 1	Tree	271.3'	Rwy 21R Approach	247.2'	24.1'	Object not under surface		Trim
A 2	Tree	302.1'	Rwy 21R Approach	276.1'	26.0'	314.5'	-12.4'	Trim

Note *: Facility is fixed by aeronautical function and does not require action.

X:\25015000\181612.01\TECH\CAD\PLAN\ALP_AIRSPACE_PLAN.DWG 11/10/2021 1:45 PM

X:\25015001\181612.01\TECH\CAD\A\EN\ALP_AIRSPACE_PLAN.DWG 11/10/2021 1:46 PM



LEGEND

- Part 77 Surface
- Part 77 Approach Surface
- Threshold Siting Surface
- Glide Path Qualification Surface
- Airport Property Boundary

NOTES:

- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD88. All elevations in feet above mean sea level (MSL).
- Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021).
- For Part 77 Plan, see Sheet 4.
- For outer approach plan to Runway 21R, see Sheet 5.
- For close-in obstruction detail near each runway end, see Inner-Approach Plans, Sheets 8 - 11.
- For departure surface, see Sheets 12 - 15.
- * Per Part 77, 10 feet vertical clearance added to service road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.

OUTER PART 77 AGIS OBJECTS								
POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
P 1	Vegetation	201.9'	Primary	194.6'	7.3'	496.0'	-294.1'	Remove
P 2	Vegetation	201.3'	Primary	194.6'	6.7'	493.4'	-282.1'	Remove
P 3	Vegetation	201.6'	Primary	194.6'	7.0'	482.1'	-260.5'	Remove
P 4	Tree	205.1'	Primary	194.6'	10.5'	Object not under surface		Remove
T 1	Vegetation	203.4'	Transitional	195.8'	7.6'	494.5'	-291.1'	Remove
T 2	Vegetation	202.8'	Transitional	196.4'	6.4'	450.4'	-247.6'	Remove
T 3	Vegetation	205.4'	Transitional	197.4'	8.0'	398.1'	-192.7'	Remove
T 4	Fence	208.6'	Transitional	205.1'	3.5'	Object not under surface		Remove
T 5	Vegetation	205.9'	Transitional	199.0'	6.9'	336.7'	-130.8'	Remove
T 6	Tree	215.9'	Transitional	214.3'	1.6'	Object not under surface		Remove
H 1	Tower*	382.0'	Horizontal	365.5'	16.5'	Object not under surface		No Action
A 1	Tree	271.3'	Rwy 21R Approach	247.2'	24.1'	Object not under surface		Trim
A 2	Tree	302.1'	Rwy 21R Approach	276.1'	26.0'	314.5'	-12.4'	Trim

Note *: Facility is fixed by aeronautical function and does not require action.

Mead & Hunt
 Mead and Hunt, Inc.
 Raintree Corporate Center
 8800 E Raintree Drive, Ste 285
 Scottsdale, AZ 85260
 phone: 480-718-1896
 meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
 AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
 2191 E. 32nd St., Suite 218, Yuma, AZ 85365
 September 2021

DATE	BY	DESCRIPTION
11/11/21	MMH	Master Plan - ALP Update

MMH NO.: 2501500-181612.01
 DATE: November - 2021
 DESIGNED BY: DL, CH
 DRAWN BY: DL
 CHECKED BY: BM
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
**PART 77 AIRSPACE
 PROFILES - RUNWAYS
 17/35 & 8/26**

SHEET NO.
7 of 22

NOT FOR CONSTRUCTION

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

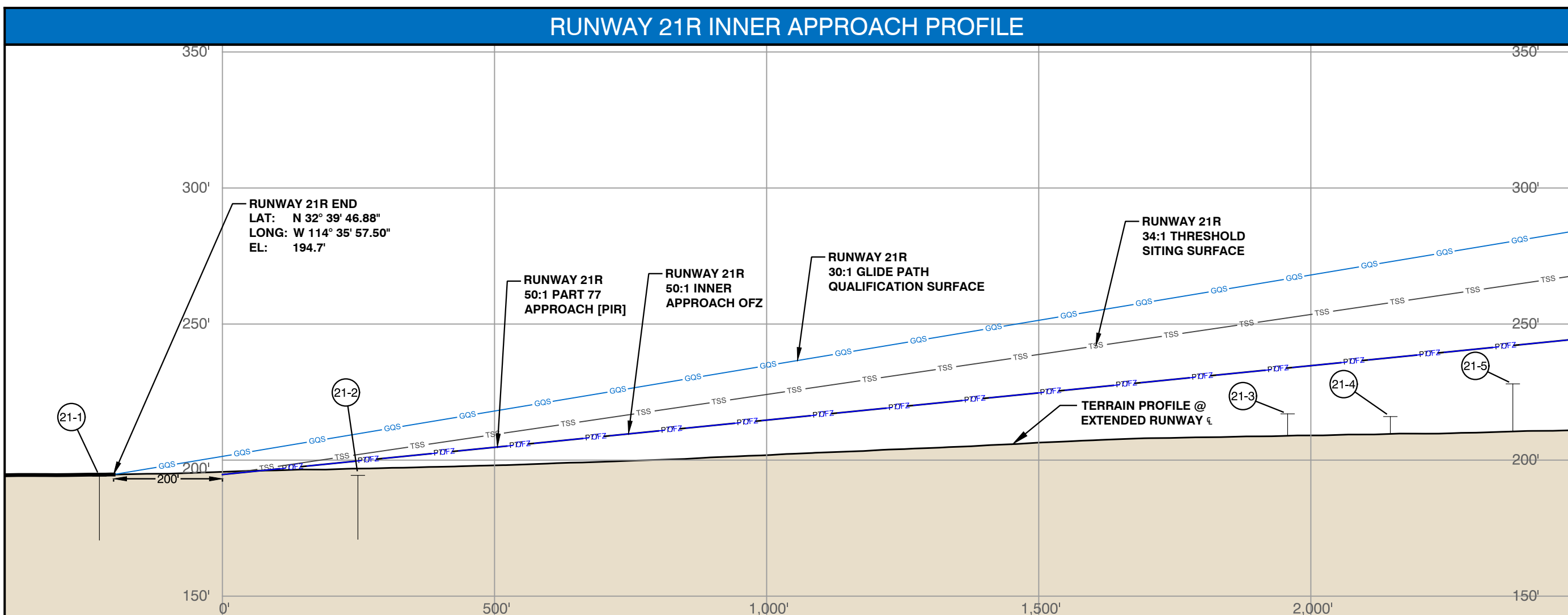
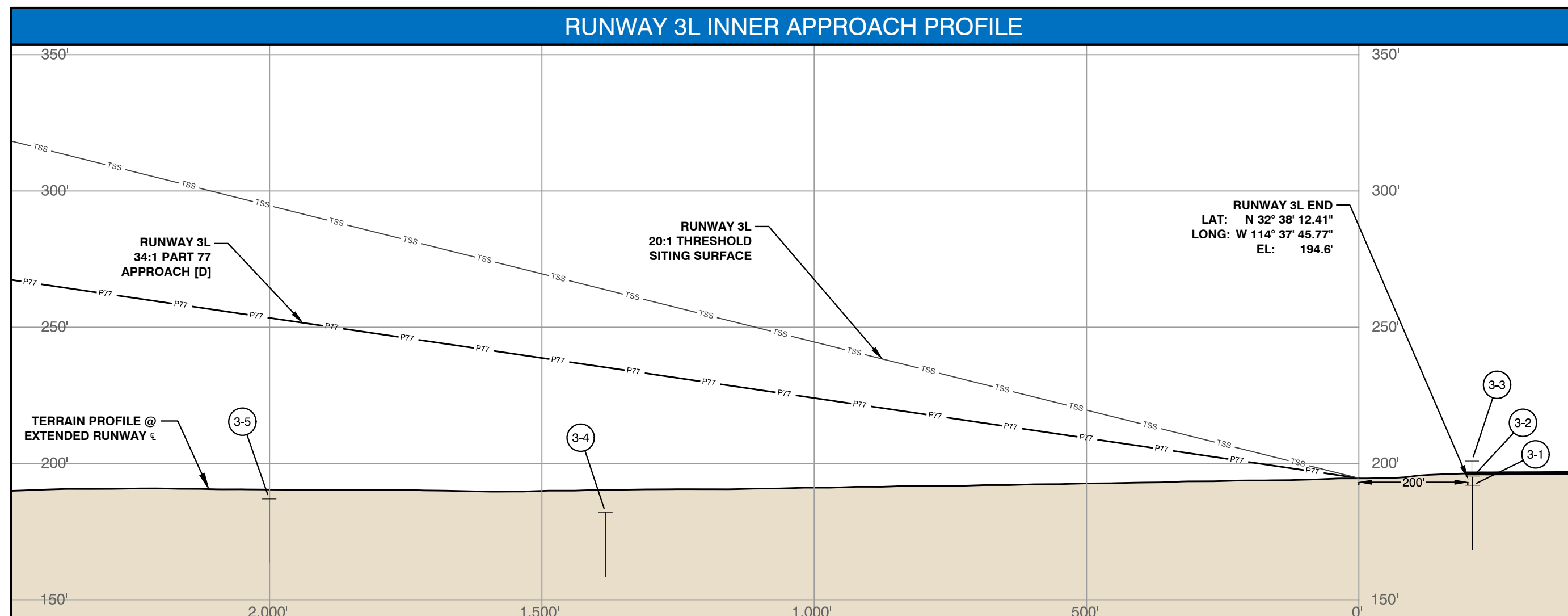
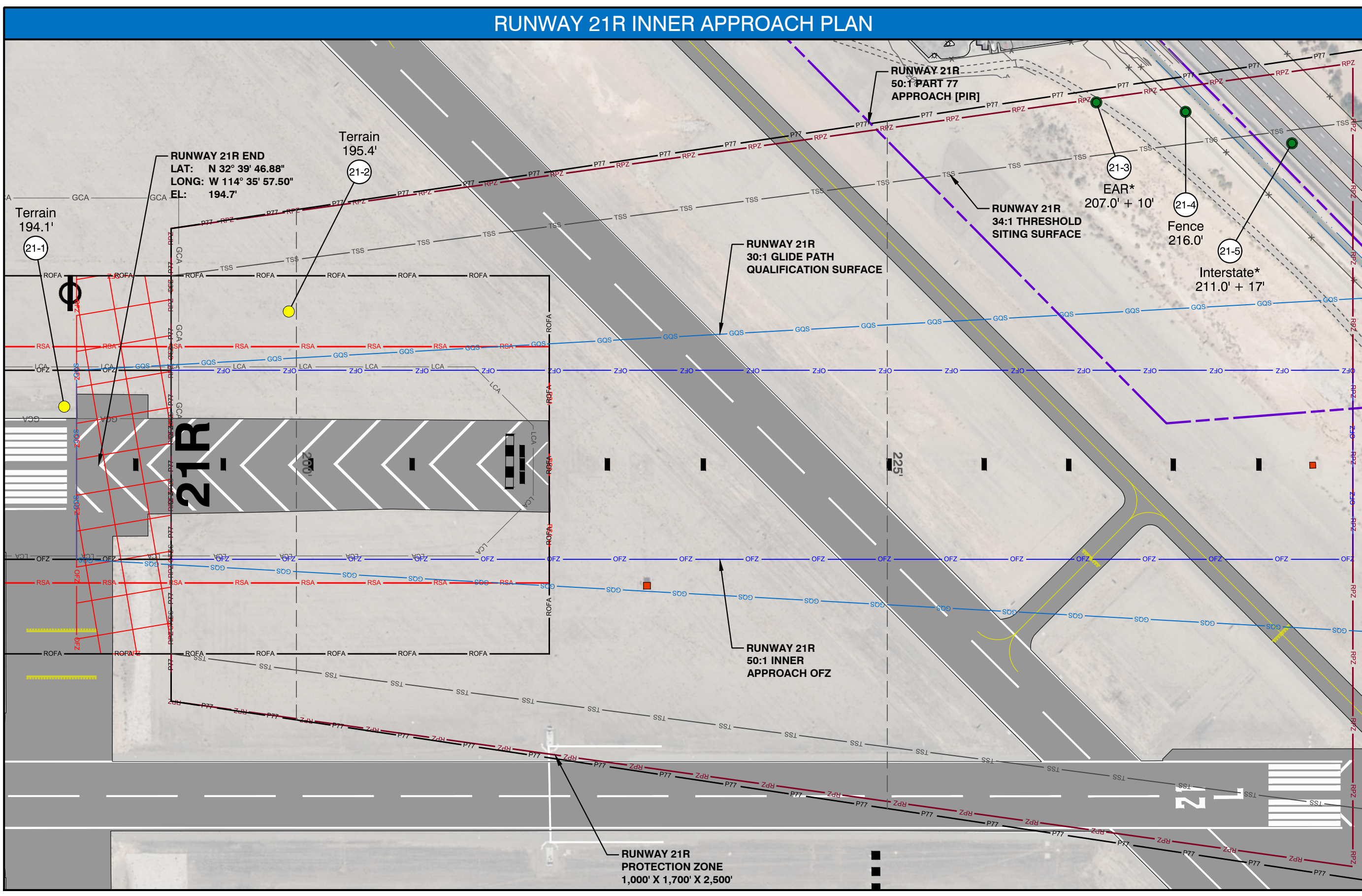
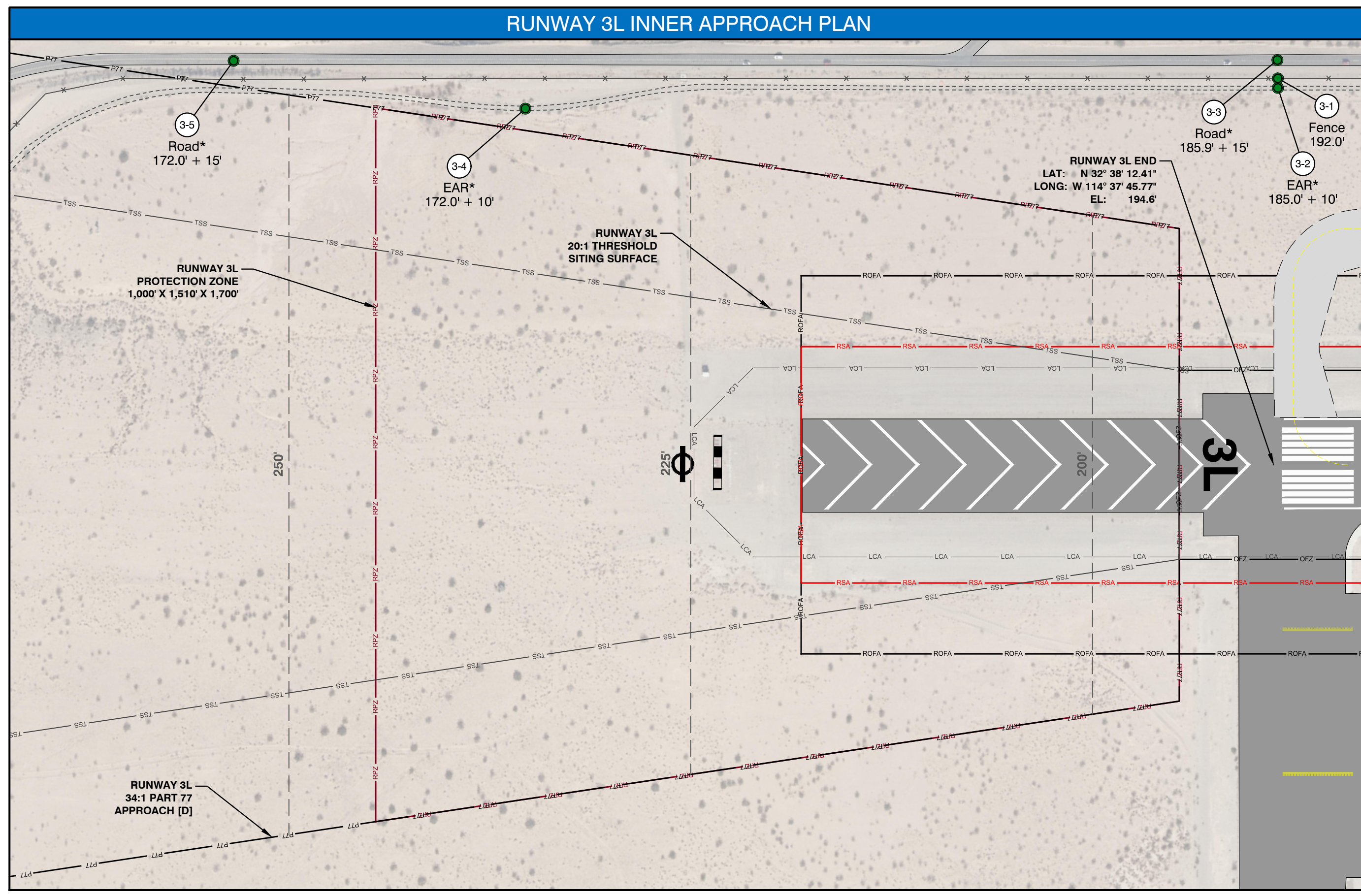
YUMA INTERNATIONAL AIRPORT AIRPORT LAYOUT PLAN

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DATE	BY	DESCRIPTION
11/11/21	MMH	Main Plan - AIP Update

MH#NO: 2501500-181612.01
 DATE: November - 2021
 DESIGNED BY: DL, CH
 DRAWN BY: DL
 CHECKED BY: BM
 DO NOT SCALE DRAWINGS

RUNWAY 3L/21R INNER APPROACHES



- LEGEND: PLAN VIEW**
- Airport Property Boundary
 - Part 77 Approach Surface (P77)
 - Part 77 Approach Surface Contour
 - Threshold Siting Surface (TSS)
 - Glide Path Qualification Surface (GQS)
 - AGIS Object: >10 Feet Clear Part 77
 - AGIS Object: Penetrates Part 77 Surface
 - Runway Protection Zone (RPZ)
 - Runway Safety Area (RSA)
 - Runway Object Free Area (ROFA)
 - Obstacle Free Zone (OFZ)
 - Precision OFZ
 - Inner Approach OFZ
 - Glide Slope Critical Area (GCA)
 - Localizer Critical Area (LCA)
 - Terrain Contours
 - Group of Objects
- LEGEND: PROFILE VIEW**
- Airport Property Boundary
 - Part 77 Surface (P77)
 - Threshold Siting Surface (TSS)
 - Glide Path Qualification Surface (GQS)
 - Inner Approach OFZ
 - Object

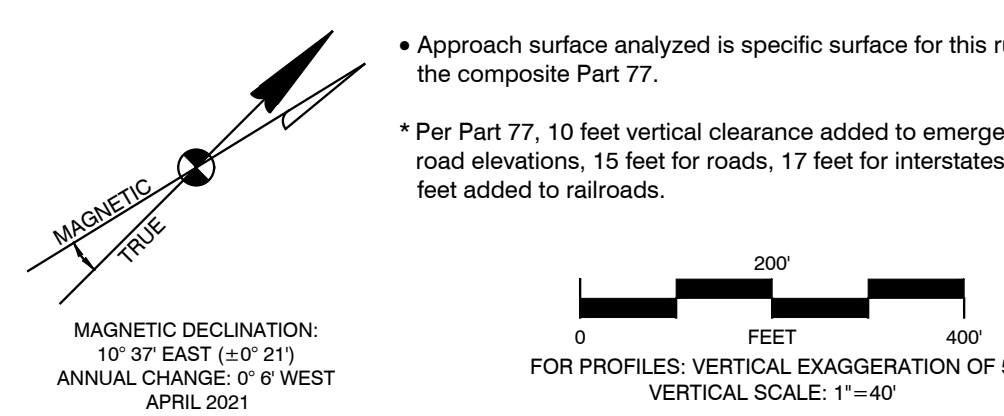
POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
3 1	Fence	192.0'	Transitional	240.0'	-48.0'			Object not under surface
3 2	EAR*	195.0'	Transitional	237.1'	-42.1'			Object not under surface
3 3	Road*	205.9'	Transitional	245.5'	-39.6'			Object not under surface
3 4	EAR*	182.0'	Transitional	241.0'	-59.0'			Object not under surface
3 5	Road*	187.0'	Transitional	261.3'	-74.3'			Object not under surface

Note: A negative penetration value indicates the object is clear of the airspace surface.
EAR: Emergency Access Road

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	GLIDE PATH SURFACE ELEVATION	GLIDE PATH SURFACE PENETRATION	APPROACH OFZ ELEVATION	APPROACH OFZ PENETRATION	DISPOSITION
21 1	Terrain	194.1'	Primary	194.7'	-0.6'							Object not under surface
21 2	Terrain	195.4'	Rwy 21R Approach	199.7'	-4.3'							Object not under surface
21 3	EAR*	217.0'	Rwy 21R Approach	233.8'	-16.8'							Object not under surface
21 4	Fence	216.0'	Rwy 21R Approach	237.6'	-21.6'							Object not under surface
21 5	Interstate*	228.0'	Rwy 21R Approach	242.1'	-14.1'							Object not under surface

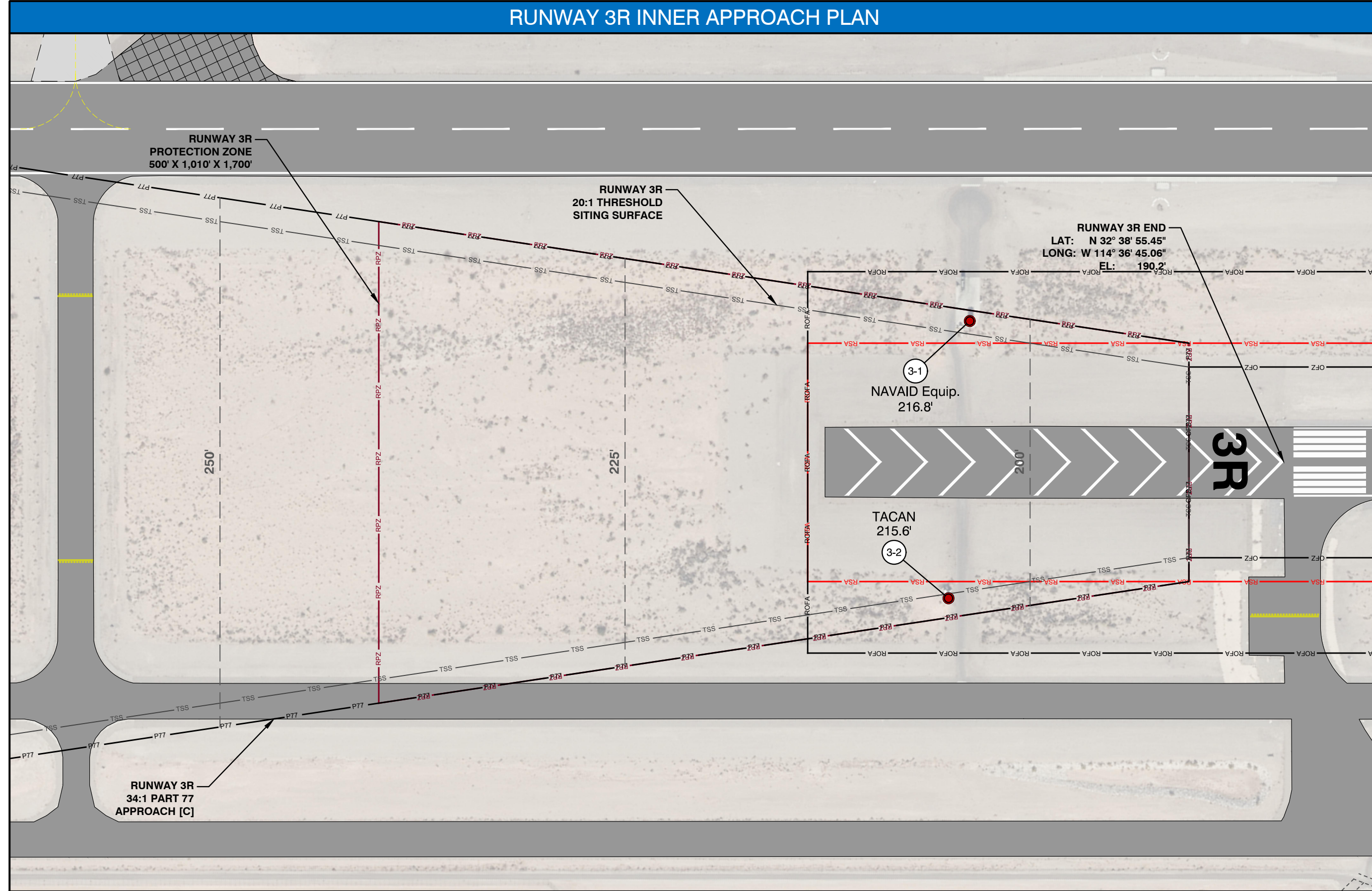
Note: A negative penetration value indicates the object is clear of the airspace surface.
EAR: Emergency Access Road

- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD83. All elevations in feet above mean sea level (MSL).
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property.
 - Orthophoto source: AGIS Survey (Quantum, October 2019).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For departure surface, see Sheets 12 - 15.
 - Approach surface analyzed is specific surface for this runway, not the composite Part 77.
 - Per Part 77, 10 feet vertical clearance added to emergency access road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.

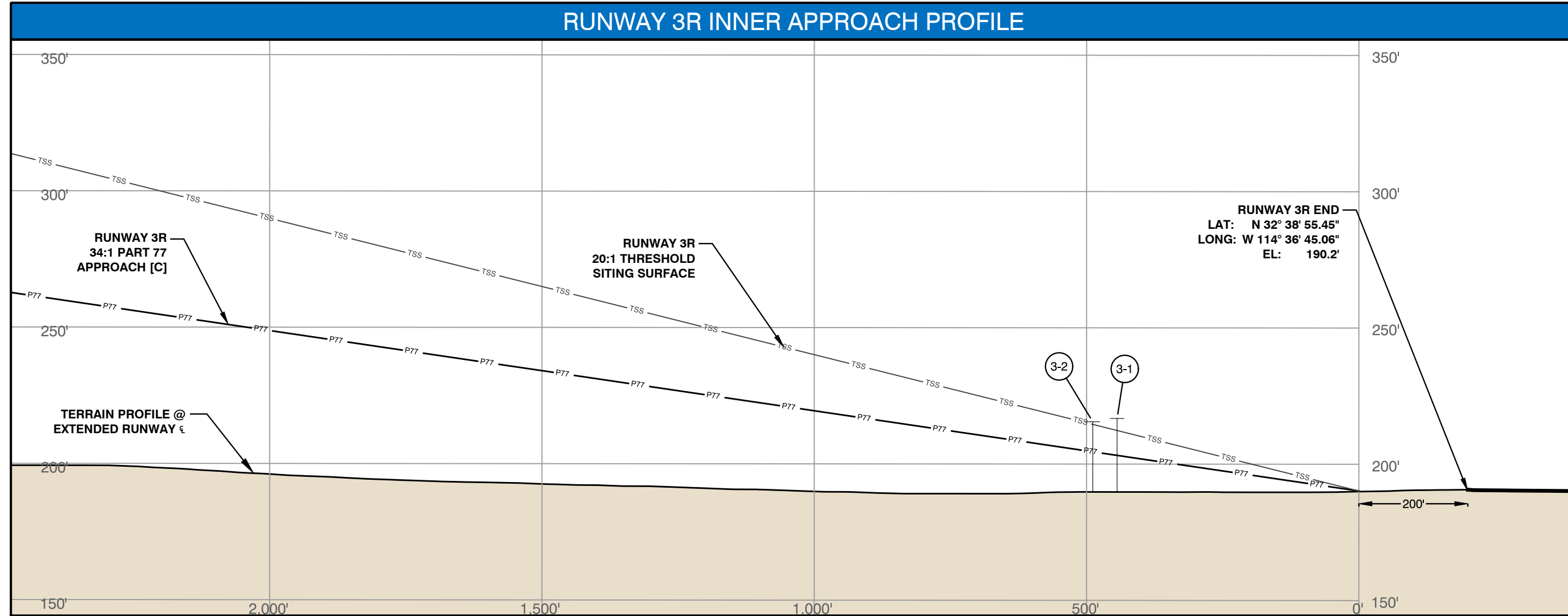


X:\2501500\181612.01\TECH\CAD\ALP\ALP_AIRSPACE_PLAN_INNERS.DWG 11/10/2021 1:47 PM

RUNWAY 3R INNER APPROACH PLAN



RUNWAY 3R INNER APPROACH PROFILE



- LEGEND: PLAN VIEW**
- Airport Property Boundary
 - Part 77 Approach Surface (P77)
 - Part 77 Approach Surface Contour
 - Threshold Siting Surface (TSS)
 - AGIS Object: > 10 Feet Clear Part 77
 - AGIS Object: < 10 Feet Clear Part 77
 - AGIS Object: Penetrates Part 77 Surface
 - Runway Protection Zone (RPZ)
 - Runway Safety Area (RSA)
 - Runway Object Free Area (ROFA)
 - Obstacle Free Zone (OFZ)
 - Terrain Contours
 - Group of Objects

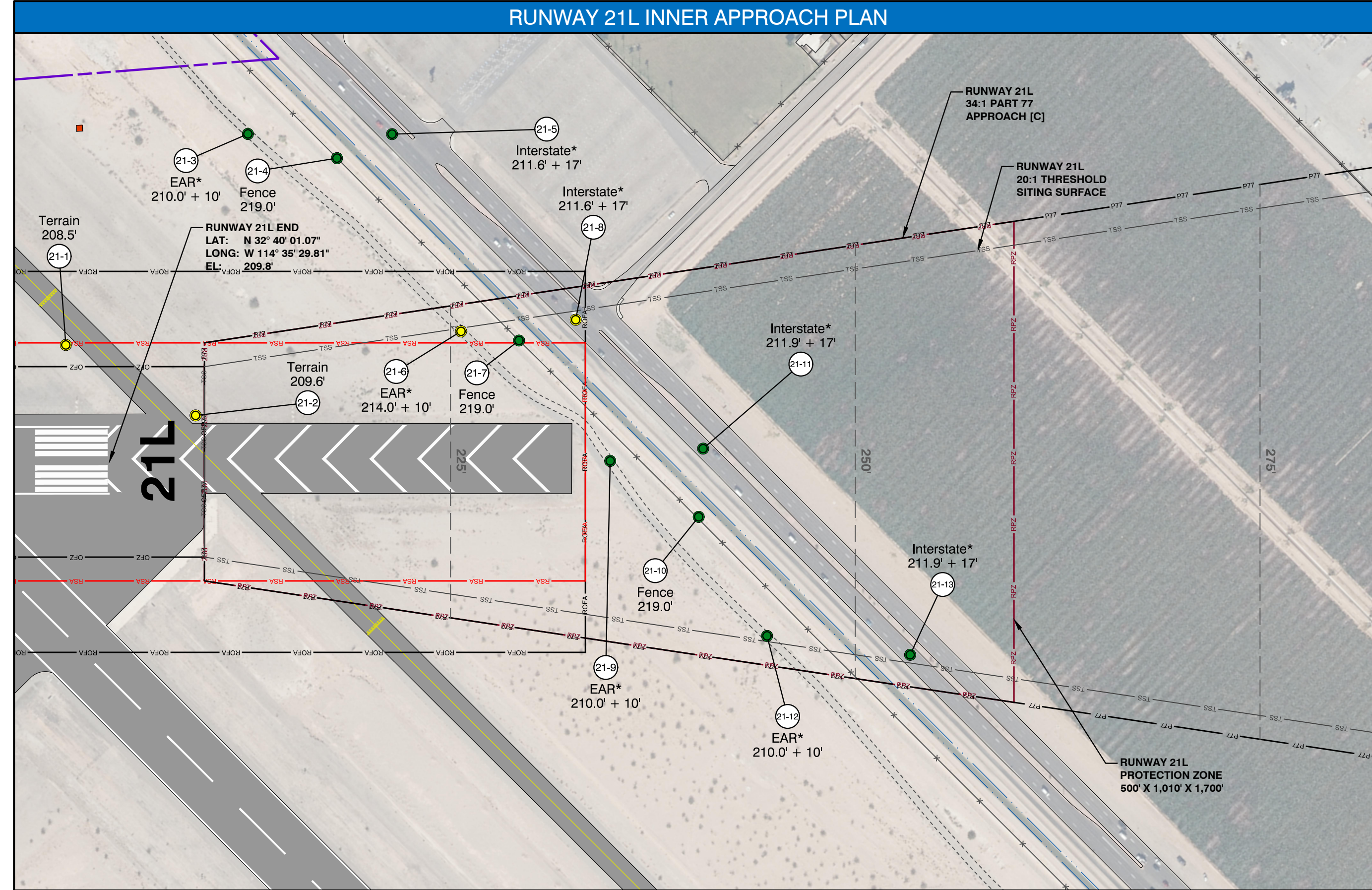
- LEGEND: PROFILE VIEW**
- Airport Property Boundary
 - Part 77 Surface (P77)
 - Threshold Siting Surface (TSS)
 - Object

RUNWAY 3R AGIS OBJECTS

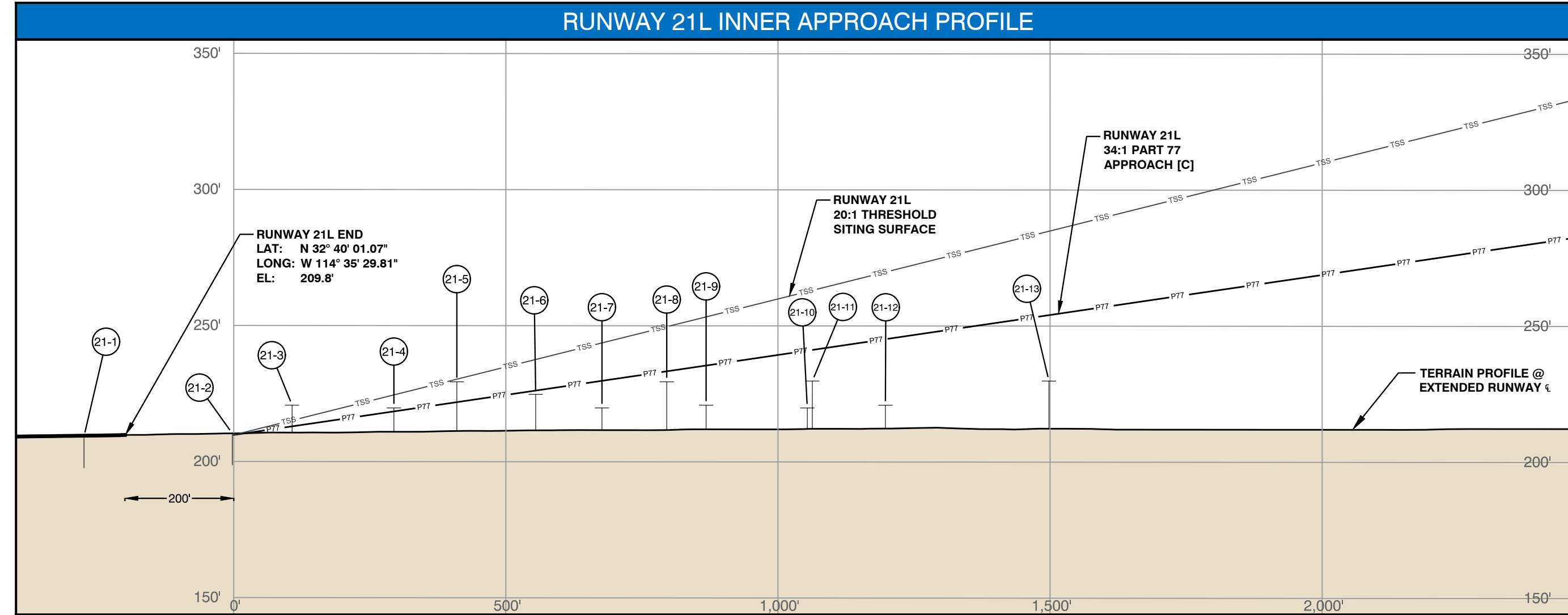
POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
3 1	NAVAID Equip.	216.6'	Rwy 3R Approach	203.7'	13.1'			Object not under surface
3 2	TACAN	215.6'	Rwy 3R Approach	205.0'	10.6'			Object not under surface

Note: A negative penetration value indicates the object is clear of the airspace surface.
EAR: Emergency Access Road

RUNWAY 21L INNER APPROACH PLAN



RUNWAY 21L INNER APPROACH PROFILE

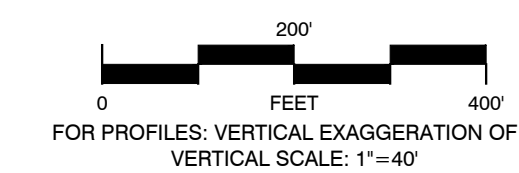
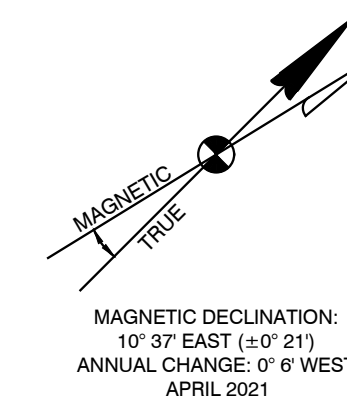


RUNWAY 21L AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
21 1	Terrain	208.5'	Primary	209.8'	-1.3'			Object not under surface
21 2	Terrain	209.6'	Primary	209.8'	-0.2'			Object not under surface
21 3	EAR*	220.0'	Transitional	273.2'	-53.2'			Object not under surface
21 4	Fence	219.0'	Transitional	275.5'	-56.5'			Object not under surface
21 5	Interstate*	228.6'	Transitional	284.7'	-56.1'			Object not under surface
21 6	EAR*	224.0'	Rwy 21L Approach	225.7'	-1.7'	236.7'	-12.7'	No Action
21 7	Fence	219.0'	Rwy 21L Approach	229.2'	-10.2'	242.8'	-23.8'	No Action
21 8	Interstate*	228.6'	Rwy 21L Approach	232.7'	-4.1'	248.8'	-20.2'	No Action
21 9	EAR*	220.0'	Rwy 21L Approach	234.9'	-14.9'	252.4'	-32.4'	No Action
21 10	Fence	219.0'	Rwy 21L Approach	240.3'	-21.3'	261.7'	-42.7'	No Action
21 11	Interstate*	228.6'	Rwy 21L Approach	240.6'	-11.7'	262.2'	-33.3'	No Action
21 12	EAR*	220.0'	Rwy 21L Approach	244.6'	-24.6'	268.9'	-48.9'	No Action
21 13	Interstate*	228.6'	Rwy 21L Approach	253.4'	-24.5'	283.9'	-55.0'	No Action

Note: A negative penetration value indicates the object is clear of the airspace surface.
EAR: Emergency Access Road

- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD83. All elevations in feet above mean sea level (MSL).
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property.
 - Orthophoto source: AGIS Survey (Quantum, October 2019).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For departure surface, see Sheets 12 - 15.
 - Approach surface analyzed is specific surface for this runway, not the composite Part 77.
 - Per Part 77, 10 feet vertical clearance added to emergency access road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.



Mead & Hunt
Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

YUMA INTERNATIONAL AIRPORT AIRPORT LAYOUT PLAN

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

REVISIONS

DATE	BY	DESCRIPTION
11/11/21	M&H	Main Plan - AIP Update

M&H NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
RUNWAY 3R/21L INNER APPROACHES
SHEET NO.

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

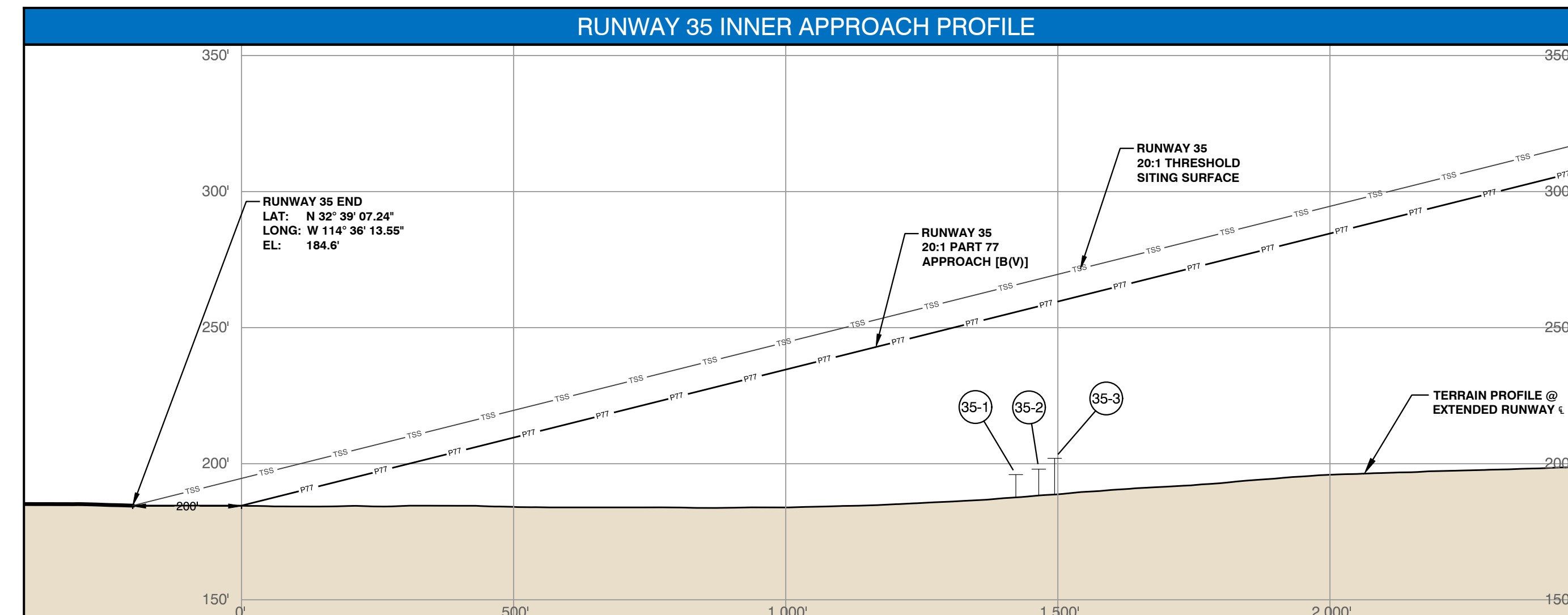
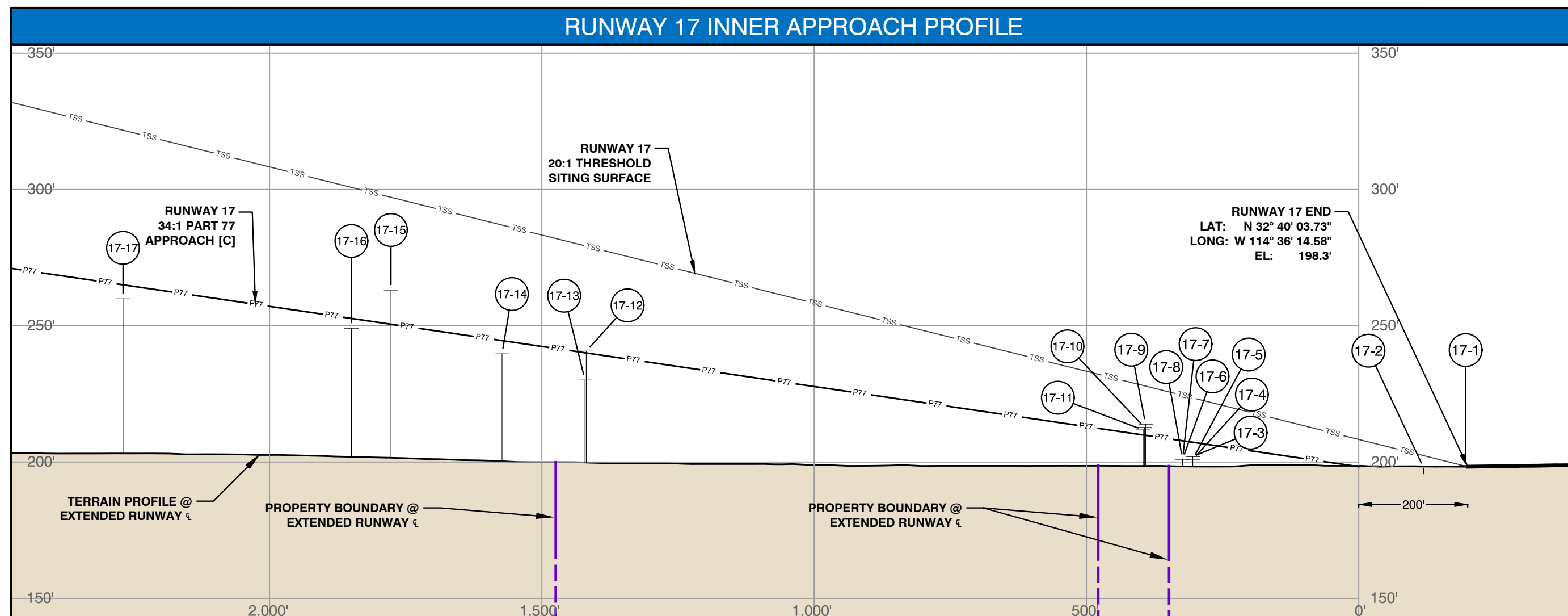
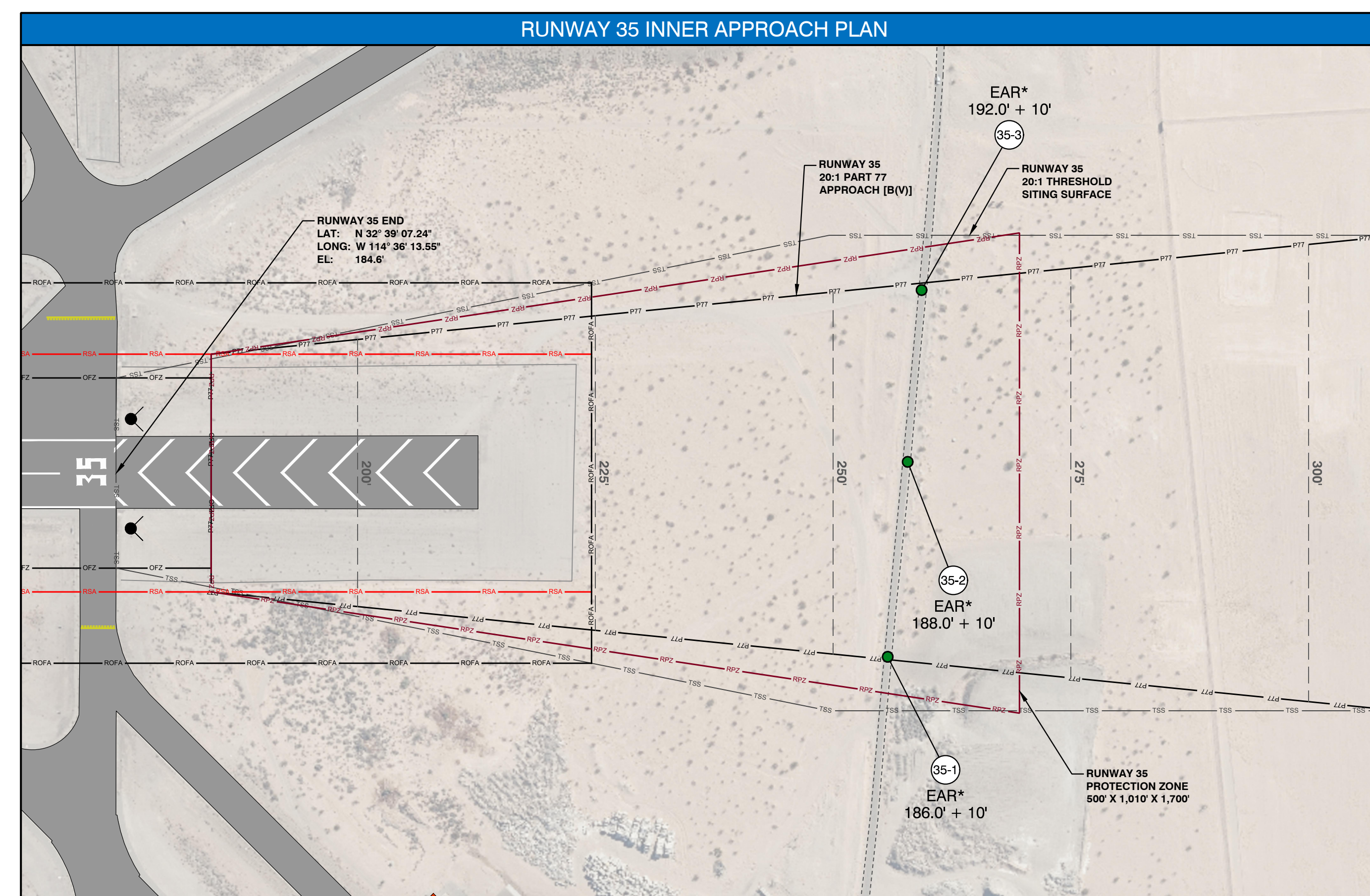
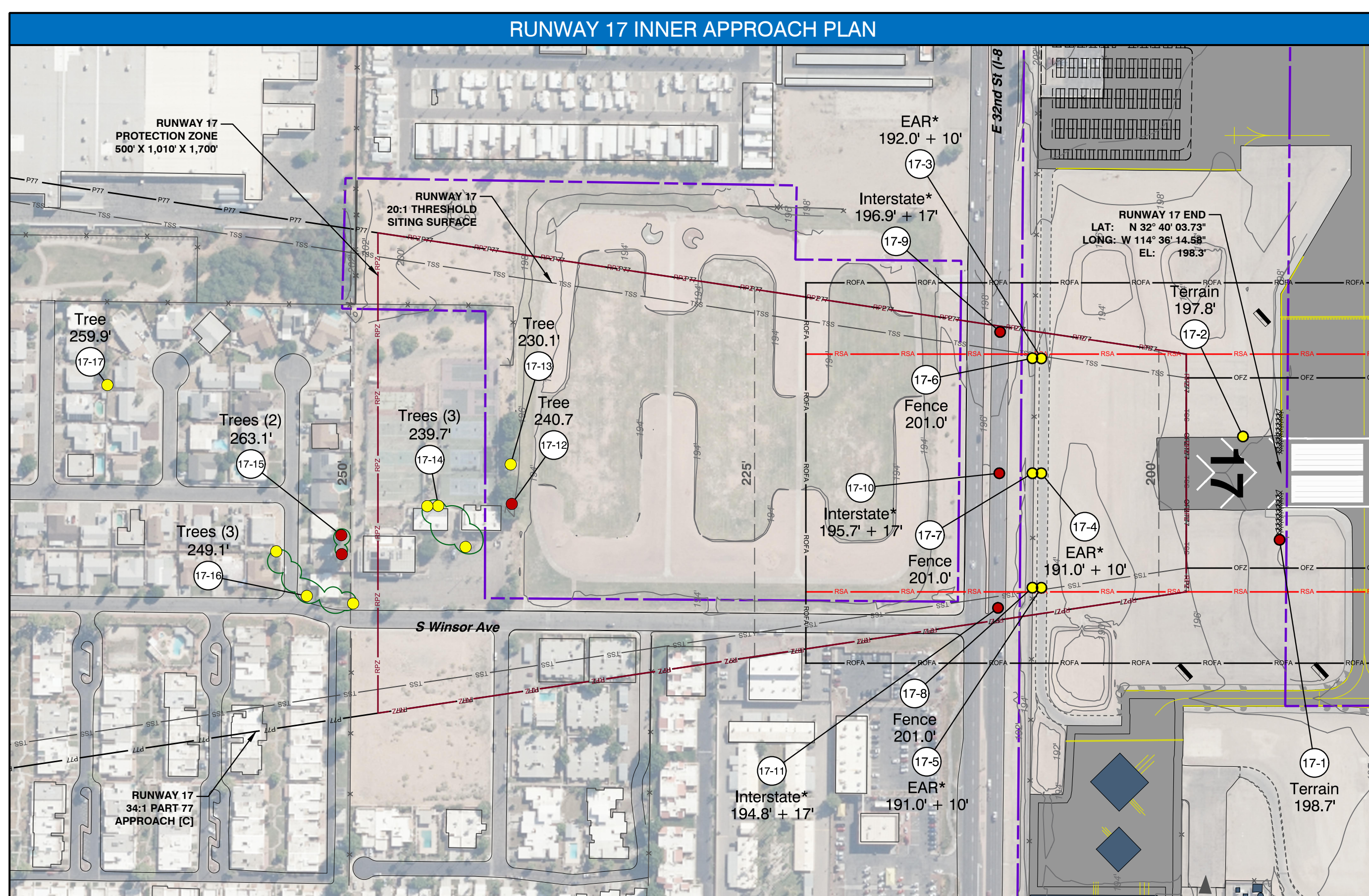
Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

REVISIONS

NO.	DESCRIPTION	DATE
1	Master Plan - AIP Update	11/11/21

RUNWAY 17/35 INNER APPROACHES

SHEET NO.



LEGEND: PLAN VIEW

- Airport Property Boundary
- P77 Part 77 Approach Surface (P77)
- 200' Part 77 Approach Surface Contour
- TSS Threshold Siting Surface (TSS)
- AGIS Object: >10 Feet Clear Part 77
- AGIS Object: <10 Feet Clear Part 77
- Runway Protection Zone (RPZ)
- Runway Safety Area (RSA)
- Runway Object Free Area (ROFA)
- OFZ Obstacle Free Zone (OFZ)
- Terrain Contours
- Group of Objects

RUNWAY 17 AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATIO N	TSS SURFACE ELEVATION	TSS PENETRATIO N	DISPOSITION
17 1	Terrain	198.7	Primary	198.3	-0.4			Object not under surface
17 2	Terrain	197.8	Primary	198.3	-0.5	213.5	-11.5	No Action
17 3	EAR*	202.0	Rwy 17 Approach	207.3	-5.3	213.5	-11.5	No Action
17 4	EAR*	201.0	Rwy 17 Approach	207.3	-6.3	213.5	-12.5	No Action
17 5	EAR*	201.0	Rwy 17 Approach	207.3	-6.3	213.5	-12.5	No Action
17 6	Fence	201.0	Rwy 17 Approach	207.8	-6.8	214.5	-13.5	No Action
17 7	Fence	201.0	Rwy 17 Approach	207.8	-6.8	214.5	-13.5	No Action
17 8	Fence	201.0	Rwy 17 Approach	207.8	-6.8	214.5	-13.5	No Action
17 9	Interstate*	213.9	Rwy 17 Approach	209.8	4.1			Object not under surface
17 10	Interstate*	212.7	Rwy 17 Approach	209.9	2.8	218.0	-5.3	FAA Notification
17 11	Interstate*	211.8	Rwy 17 Approach	209.9	1.9			Object not under surface
17 12	Tree	240.7	Rwy 17 Approach	240.0	0.7	269.2	-28.5	Trim
17 13	Tree	230.1	Rwy 17 Approach	240.1	-10.0	269.3	-39.2	No Action
17 14	Trees (3)	239.7	Rwy 17 Approach	244.6	-4.9	277.0	-37.3	No Action
17 15	Trees (2)	263.1	Rwy 17 Approach	250.6	12.5	287.2	-24.1	Trim
17 16	Trees (3)	249.1	Rwy 17 Approach	252.7	-3.6	290.8	-41.7	No Action
17 17	Tree	259.9	Rwy 17 Approach	265.0	-5.1	311.8	-51.9	No Action

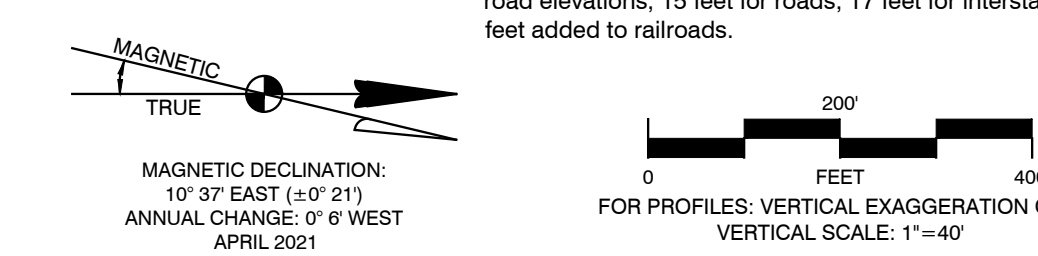
Note: A negative penetration value indicates the object is clear of the airspace surface.
EAR: Emergency Access Road

RUNWAY 35 AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATIO N	TSS SURFACE ELEVATION	TSS PENETRATIO N	DISPOSITION
35 1	EAR*	196.0	Rwy 35 Approach	255.7	-59.7	265.7	-69.7	No Action
35 2	EAR*	198.0	Rwy 35 Approach	257.8	-59.8	267.8	-69.8	No Action
35 3	EAR*	202.0	Rwy 35 Approach	259.3	-57.3	269.3	-67.3	No Action

Note: A negative penetration value indicates the object is clear of the airspace surface.
EAR: Emergency Access Road

- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD83. All elevations in feet above mean sea level (MSL).
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property.
 - Orthophoto source: AGIS Survey (Quantum, October 2019).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For departure surface, see Sheets 12 - 15.
 - Approach surface analyzed is specific surface for this runway, not the composite Part 77.
 - Per Part 77, 10 feet vertical clearance added to emergency access road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.



X:\25015000\181612.01\TECH\CAD\ALP\ALP_AIRSPACE_PLAN\INNERS.DWG 11/10/2021 1:48 PM

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do 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 or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
 AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
 2191 E. 32nd St., Suite 218, Yuma, AZ 85365
 September 2021

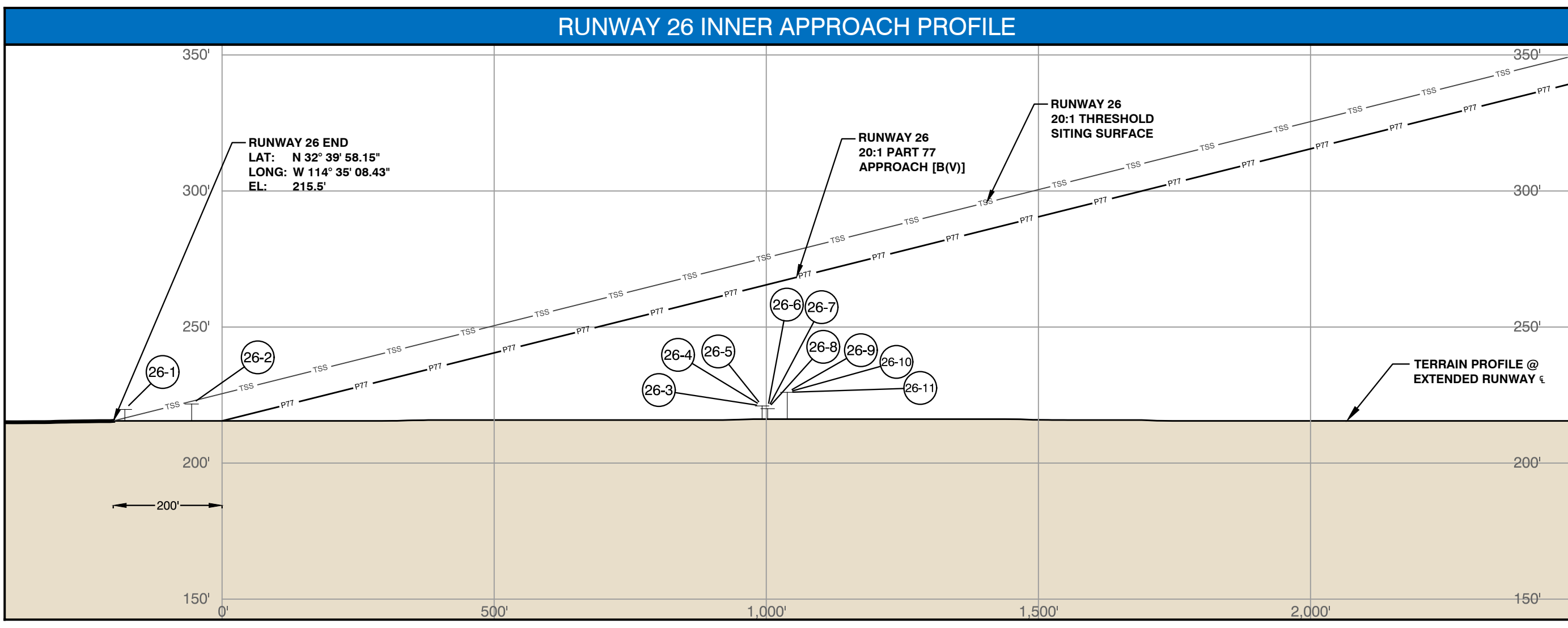
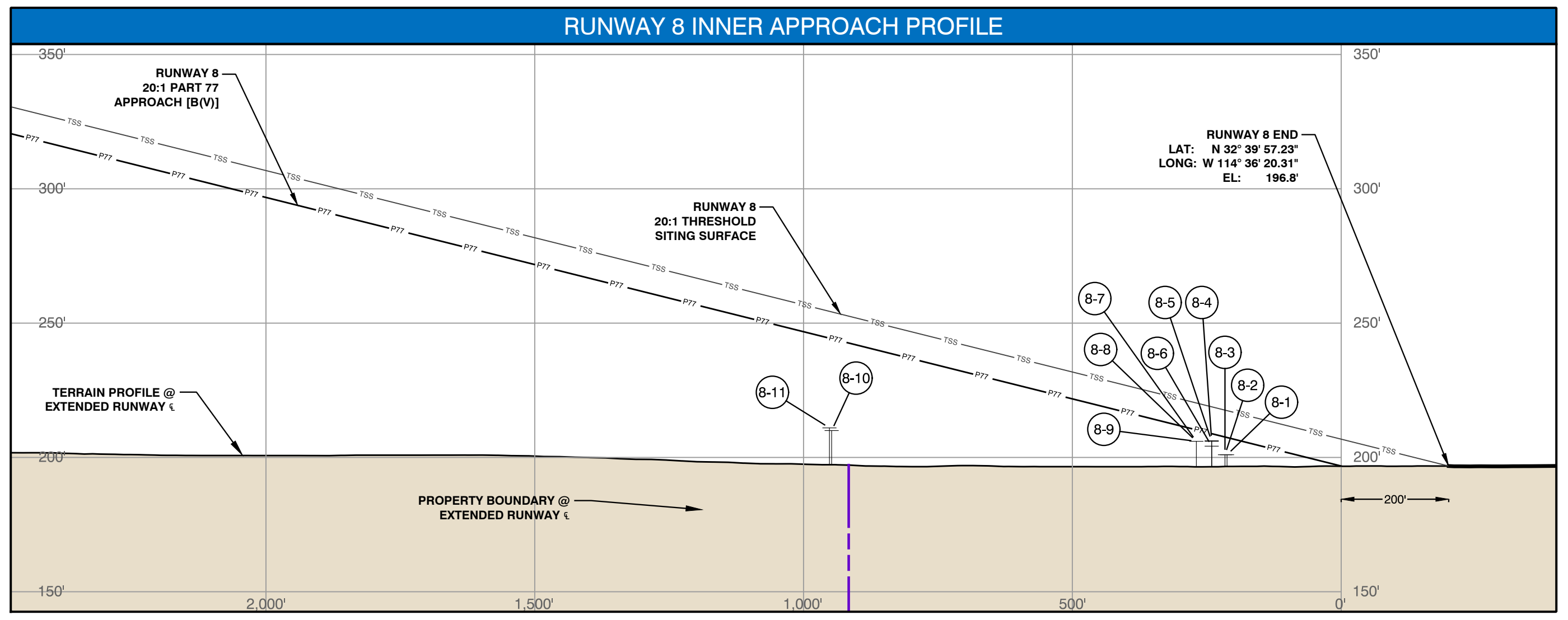
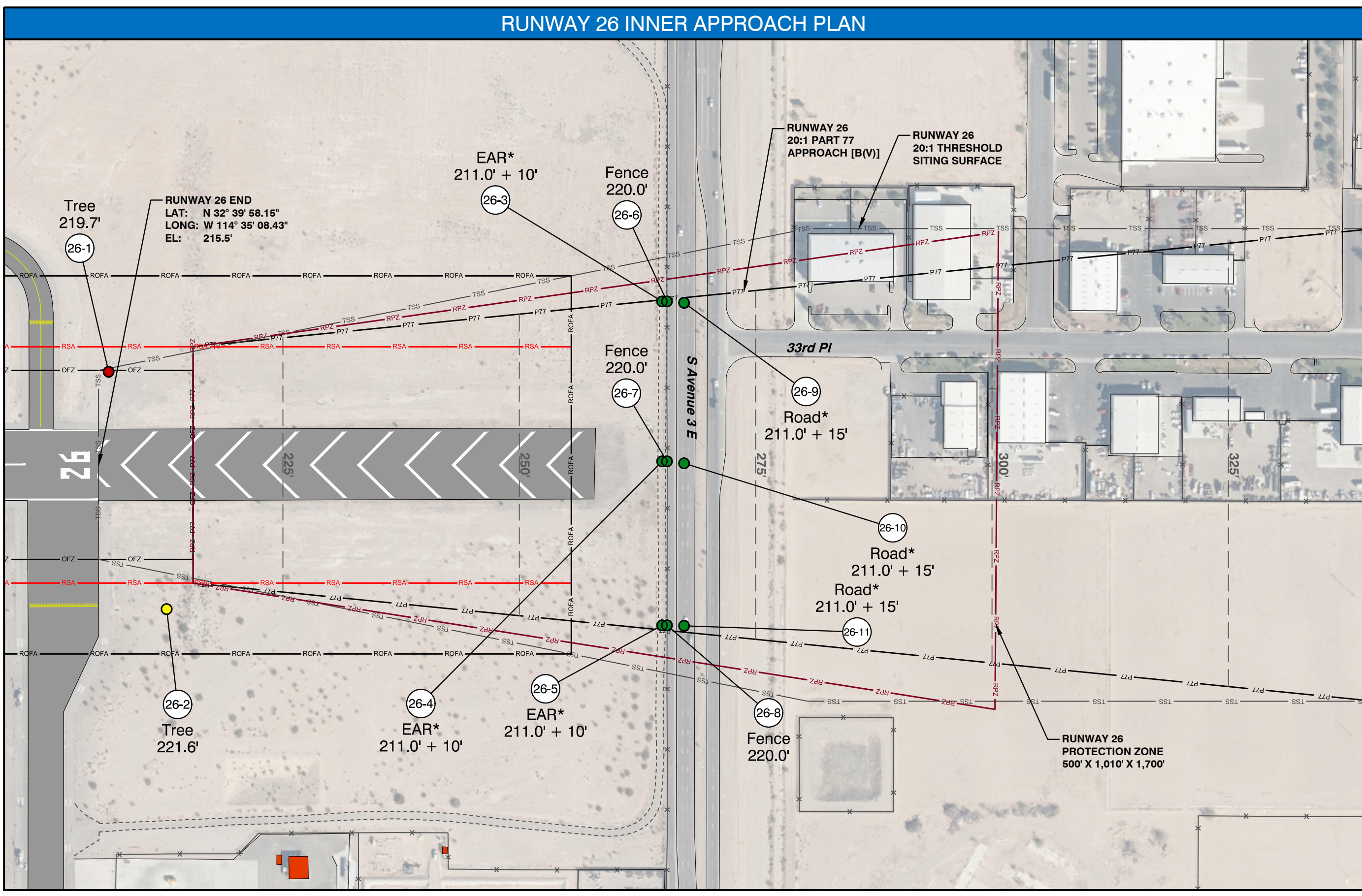
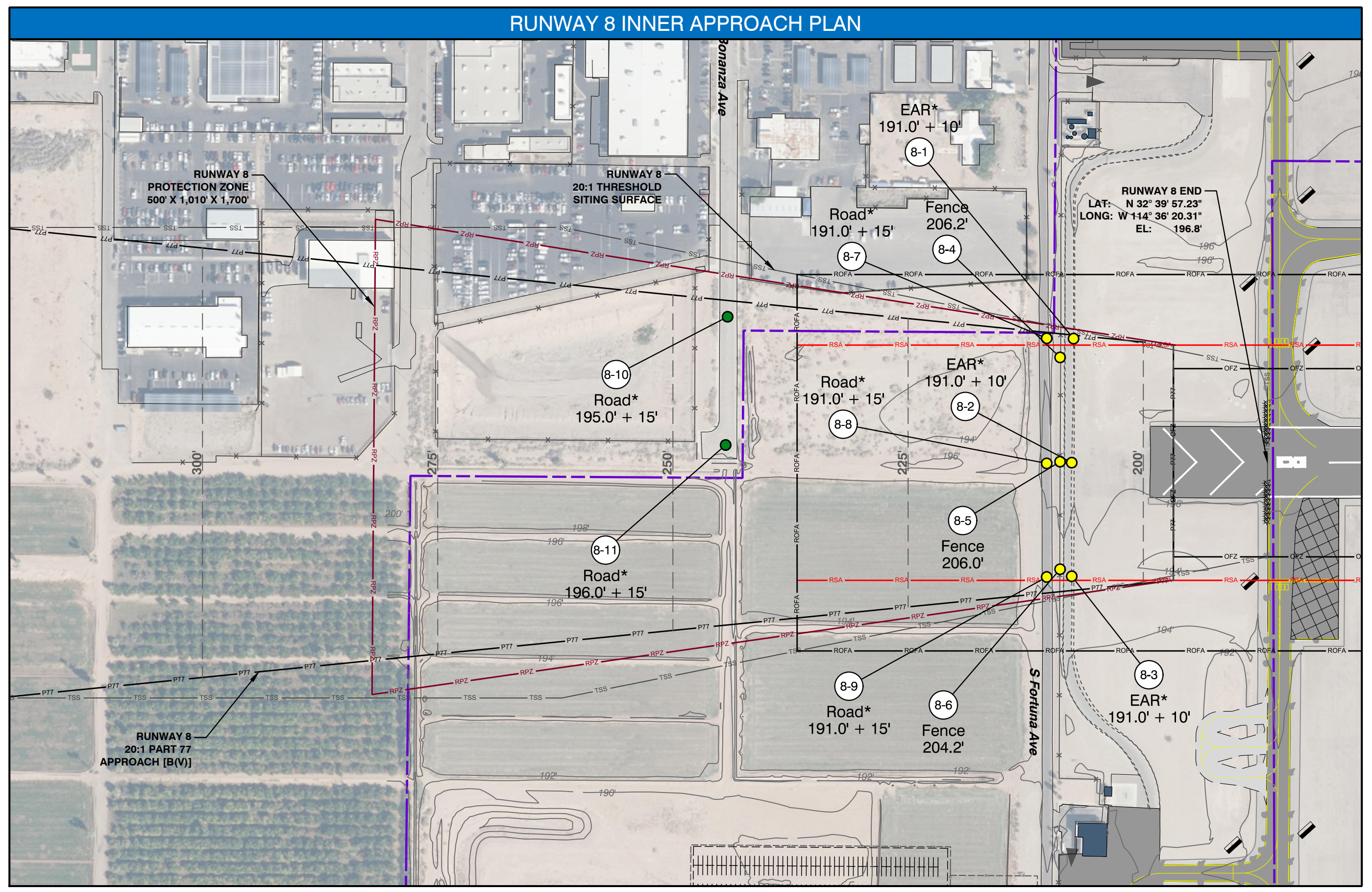
DATE: 11/11/21
 BY: MMH
 DESCRIPTION: Master Plan - AIP Update

REVISIONS

NO.	DESCRIPTION	DATE	BY
1	MMH NO: 2501500-181612.01	November - 2021	DL, CH
2	DESIGNED BY: DL, CH		
3	DRAWN BY: BM		
4	CHECKED BY: DL		
5	DO NOT SCALE DRAWINGS		

RUNWAY 8/26 INNER APPROACHES

SHEET NO.



LEGEND: PLAN VIEW

- Airport Property Boundary
- Part 77 Approach Surface (P77)
- Part 77 Approach Surface Contour
- Threshold Siting Surface (TSS)
- AGIS Object: > 10 Feet Clear Part 77
- AGIS Object: < 10 Feet Clear Part 77
- AGIS Object: Penetrates Part 77 Surface
- Runway Protection Zone (RPZ)
- Runway Safety Area (RSA)
- Runway Object Free Area (ROFA)
- Obstacle Free Zone (OFZ)
- Terrain Contours
- Group of Objects

RUNWAY 8 AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
8 1	EAR*	201.0'	Rwy 8 Approach	207.2'	-6.2'	217.2'	-16.2'	No Action
8 2	EAR*	201.0'	Rwy 8 Approach	207.4'	-6.4'	217.4'	-16.4'	No Action
8 3	EAR*	201.0'	Rwy 8 Approach	207.4'	-6.4'	217.4'	-16.4'	No Action
8 4	Fence	206.2'	Rwy 8 Approach	208.6'	-2.4'	218.6'	-12.4'	No Action
8 5	Fence	206.0'	Rwy 8 Approach	208.6'	-2.6'	218.6'	-12.6'	No Action
8 6	Fence	204.2'	Rwy 8 Approach	208.6'	-4.4'	218.6'	-14.4'	No Action
8 7	Road*	206.0'	Rwy 8 Approach	210.1'	-4.1'	220.1'	-14.1'	No Action
8 8	Road*	206.0'	Rwy 8 Approach	210.1'	-4.1'	220.1'	-14.1'	No Action
8 9	Road*	206.0'	Rwy 8 Approach	210.1'	-4.1'	220.1'	-14.1'	No Action
8 10	Road*	210.0'	Rwy 8 Approach	244.0'	-34.0'	254.0'	-44.0'	No Action
8 11	Road*	211.0'	Rwy 8 Approach	244.2'	-33.2'	254.2'	-43.2'	No Action

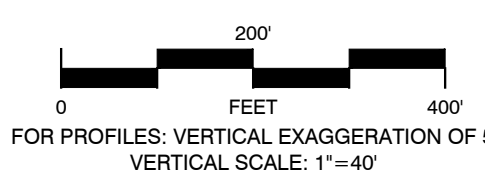
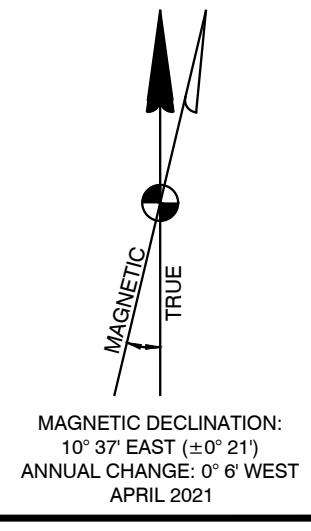
Note: A negative penetration value indicates the object is clear of the airspace surface.
 EAR: Emergency Access Road

RUNWAY 26 AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	PART 77 SURFACE	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
26 1	Tree	219.7'	Primary	215.5'	4.2'	215.5'	4.2'	Remove
26 2	Tree	221.6'	Transitional	223.4'	-1.8'	215.5'	6.1'	No Action
26 3	EAR*	221.0'	Rwy 26 Approach	265.1'	-44.1'	275.1'	-54.1'	No Action
26 4	EAR*	221.0'	Rwy 26 Approach	265.1'	-44.1'	275.1'	-54.1'	No Action
26 5	EAR*	221.0'	Rwy 26 Approach	265.1'	-44.1'	275.1'	-54.1'	No Action
26 6	Fence	220.0'	Rwy 26 Approach	265.6'	-45.6'	275.6'	-55.6'	No Action
26 7	Fence	220.0'	Rwy 26 Approach	265.6'	-45.6'	275.6'	-55.6'	No Action
26 8	Fence	220.0'	Rwy 26 Approach	265.6'	-45.6'	275.6'	-55.6'	No Action
26 9	Road*	228.0'	Rwy 26 Approach	267.4'	-41.4'	277.4'	-51.4'	No Action
26 10	Road*	228.0'	Rwy 26 Approach	267.4'	-41.4'	277.4'	-51.4'	No Action
26 11	Road*	228.0'	Rwy 26 Approach	267.4'	-41.4'	277.4'	-51.4'	No Action

Note: A negative penetration value indicates the object is clear of the airspace surface.
 EAR: Emergency Access Road

- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD83. All elevations in feet above mean sea level (MSL).
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property.
 - Orthophoto source: AGIS Survey (Quantum, October 2019).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For departure surface, see Sheets 12 - 15.
 - Approach surface analyzed is specific surface for this runway, not the composite Part 77.
 - Per Part 77, 10 feet vertical clearance added to emergency access road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.



X:\25015000\181612.01\TECH\CAD\ALP\AIRSPACE\PLAN\INNERS.DWG - 11/10/2021 1:50 PM

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
 AIRPORT LAYOUT PLAN**

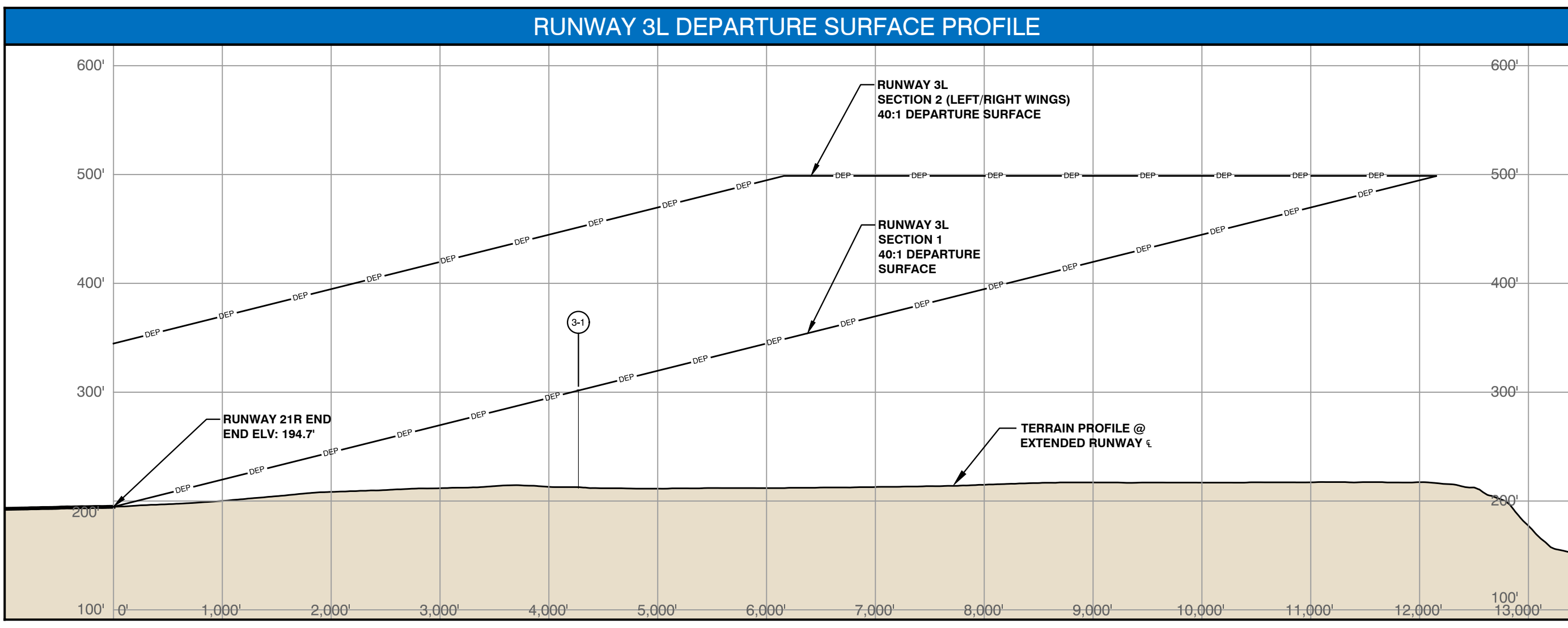
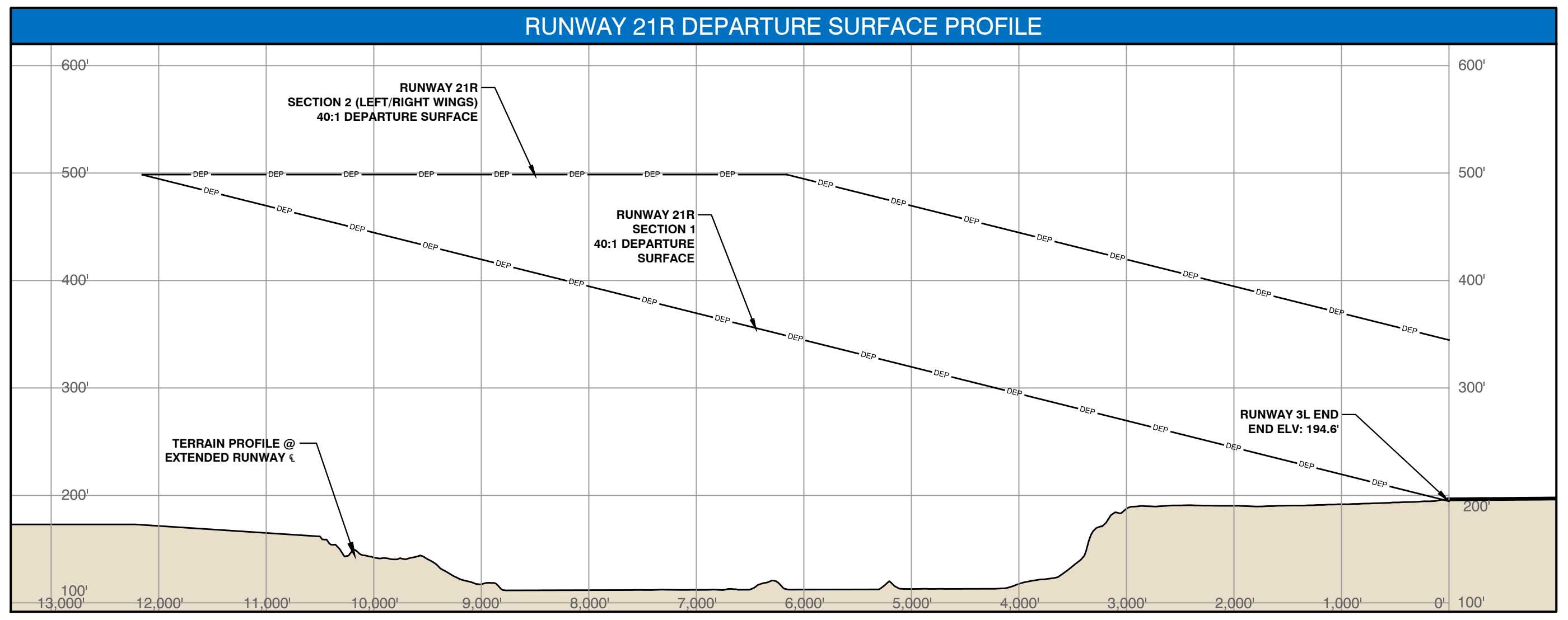
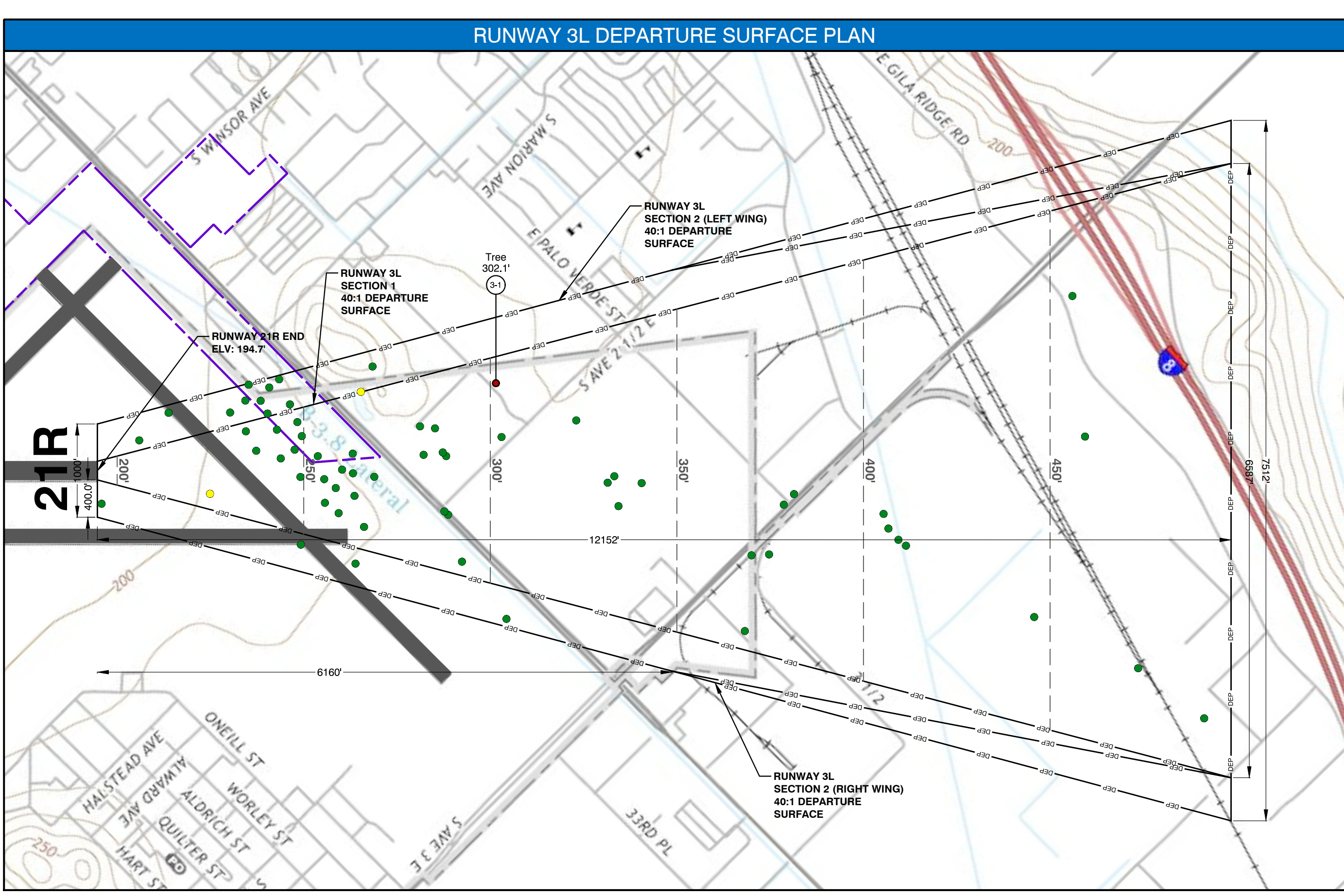
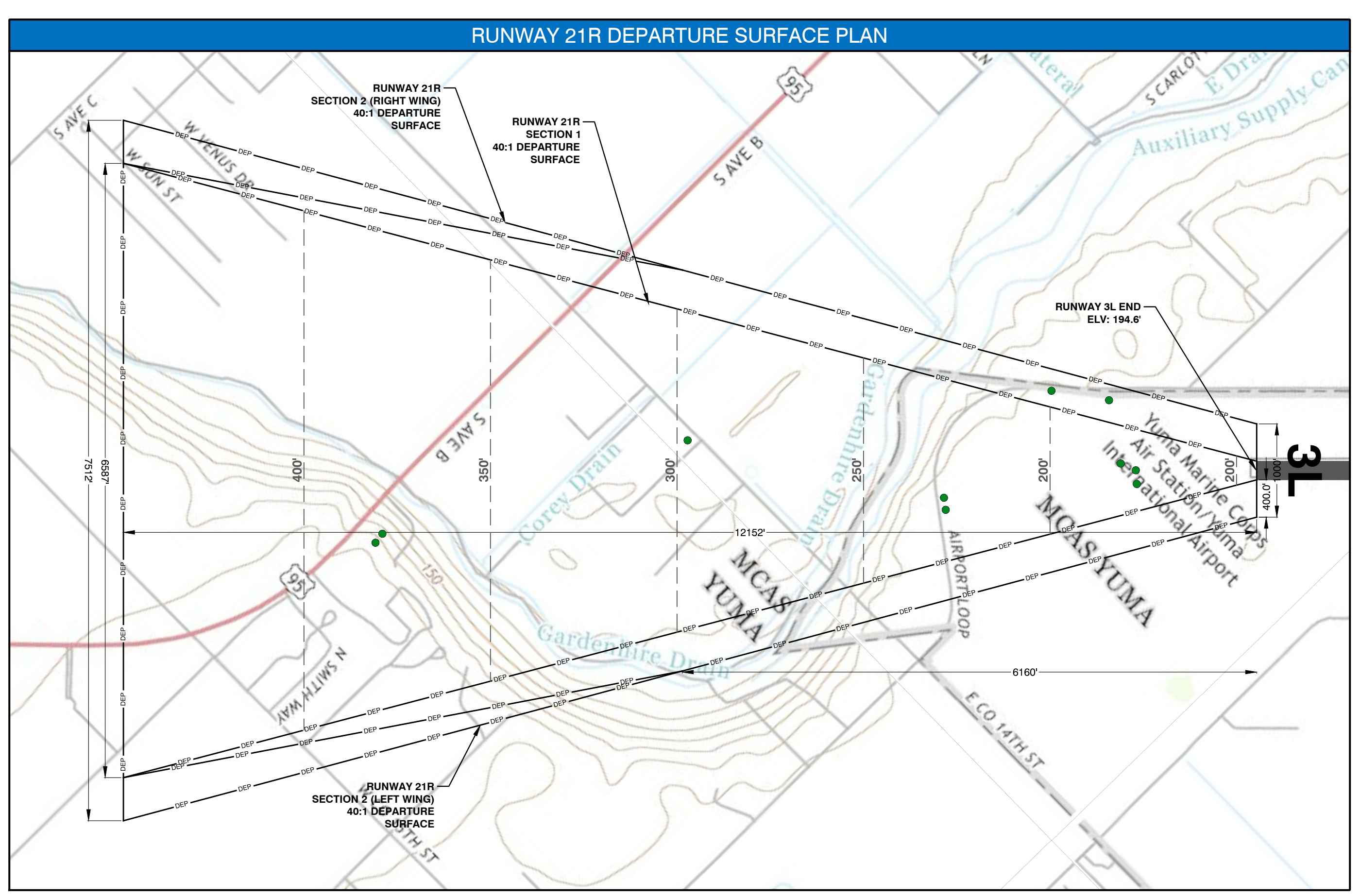
Yuma County Airport Authority
 2191 E. 32nd St., Suite 218, Yuma, AZ 85365
 September 2021

DATE: 11/11/21
 BY: MMH
 DESCRIPTION: Master Plan - AIP Update

MNH NO.:	2501500-181612.01
DATE:	November - 2021
DESIGNED BY:	DL, CH
DRAWN BY:	DL
CHECKED BY:	BM

DO NOT SCALE DRAWINGS

**RUNWAY 3L/21R
 DEPARTURE SURFACES**



LEGEND: PLAN VIEW

- Runway
- Airport Property Boundary
- Departure Surface Contour
- 40:1 Departure Surface
- Object > 10ft. Clear of 40:1 Departure Surface
- Object Within 10ft. 40:1 Departure Surface
- Object Penetrates 40:1 Departure Surface
- Terrain Contours

RUNWAY 21R AGIS OBJECTS

No penetrations.

RUNWAY 3L AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	DEPARTURE SURFACE ELEVATION	DEPARTURE SURFACE PENETRATION	DISPOSITION
3 1	Tree	302.1	301.5	0.6'	Trim

DEPARTURE SURFACE AGIS OBJECTS

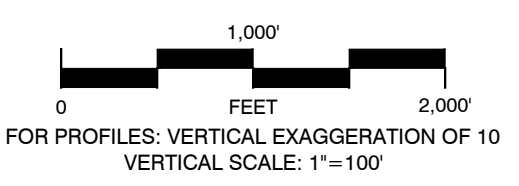
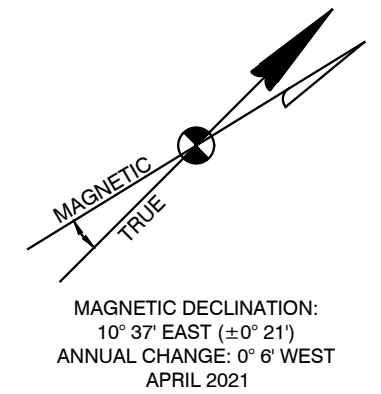
	21R	3L
# OBJECTS THAT PENETRATE DEPARTURE SURFACE	0	1
# OBJECTS WITHIN 10 FEET OF DEPARTURE SURFACE	0	2
# OBJECTS > 10 FEET CLEAR OF DEPARTURE SURFACE	10	62

Note: All obstacle data points captured in the 2019 AGIS survey and under Departure Surfaces are counted in this table and illustrated in the Plans.

LEGEND: PROFILE VIEW

- Airport Property Boundary
- 40:1 Departure Surface
- Object

- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD88. All elevations in feet above mean sea level (MSL).
 - Departure surfaces conform to Engineering Brief 99A, published 7/24/2020.
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021).
 - Basemap source: USGS Topographic maps (7.5 Minute Series, 2018).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For close-in obstruction detail near each runway end, see Inner Approach Plans, Sheets 8 - 11.
 - Per Part 77, 10 feet vertical clearance added to emergency access road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.



X:\2501500\181612.01\TECH\CAD\AIP\ALP_AIRSPACE_PLAN\DEPARTURES.DWG(2021.11.11 PM)

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

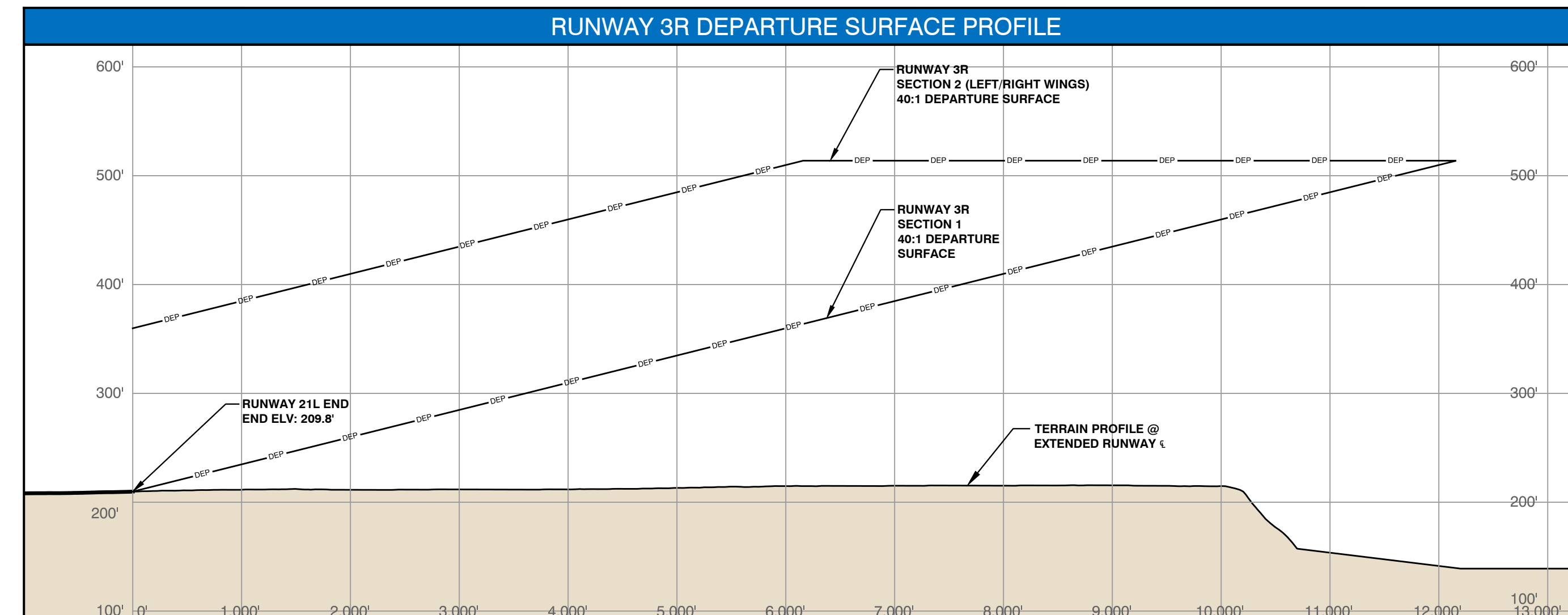
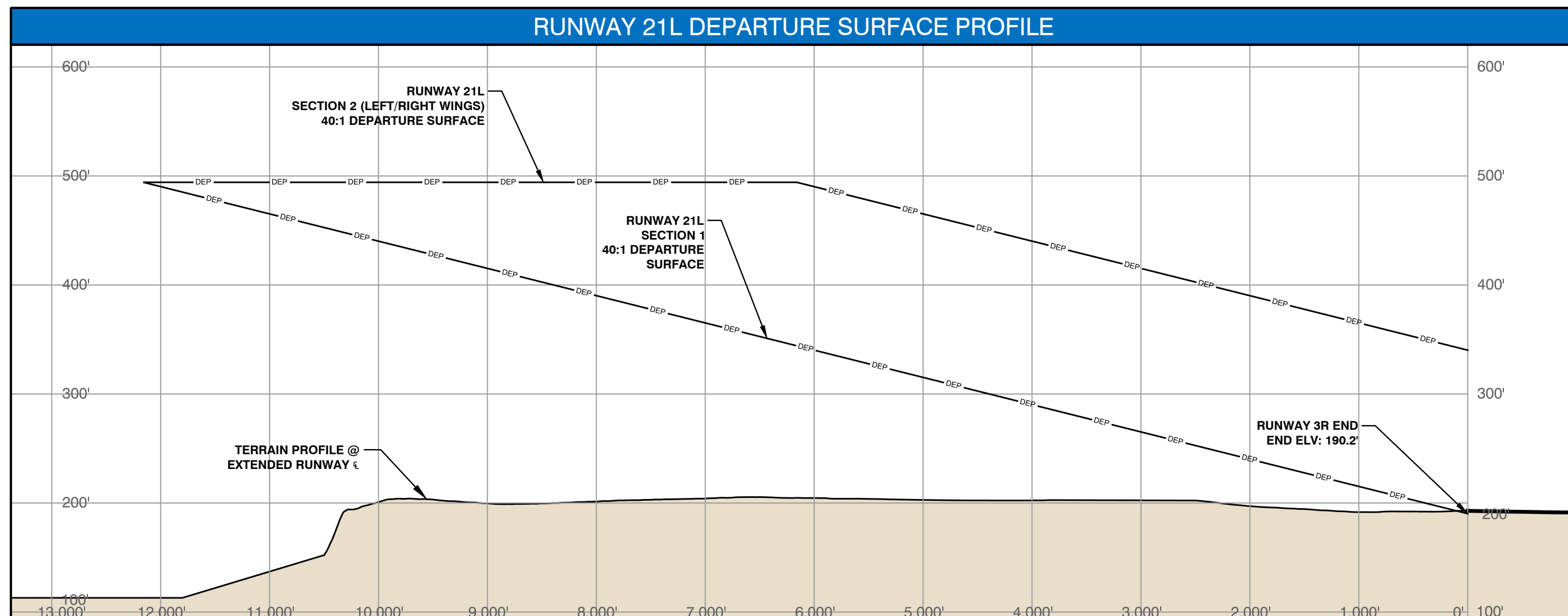
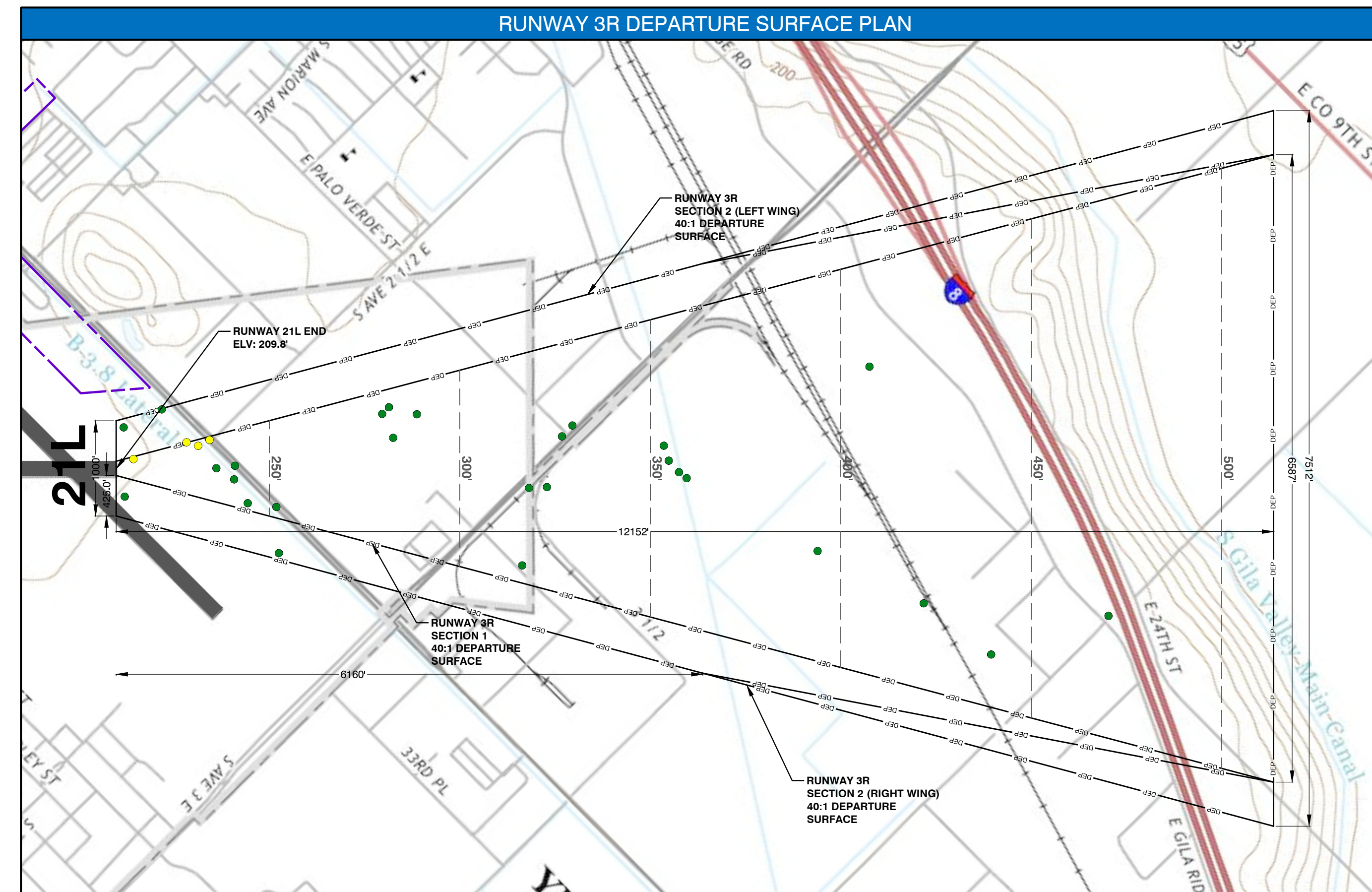
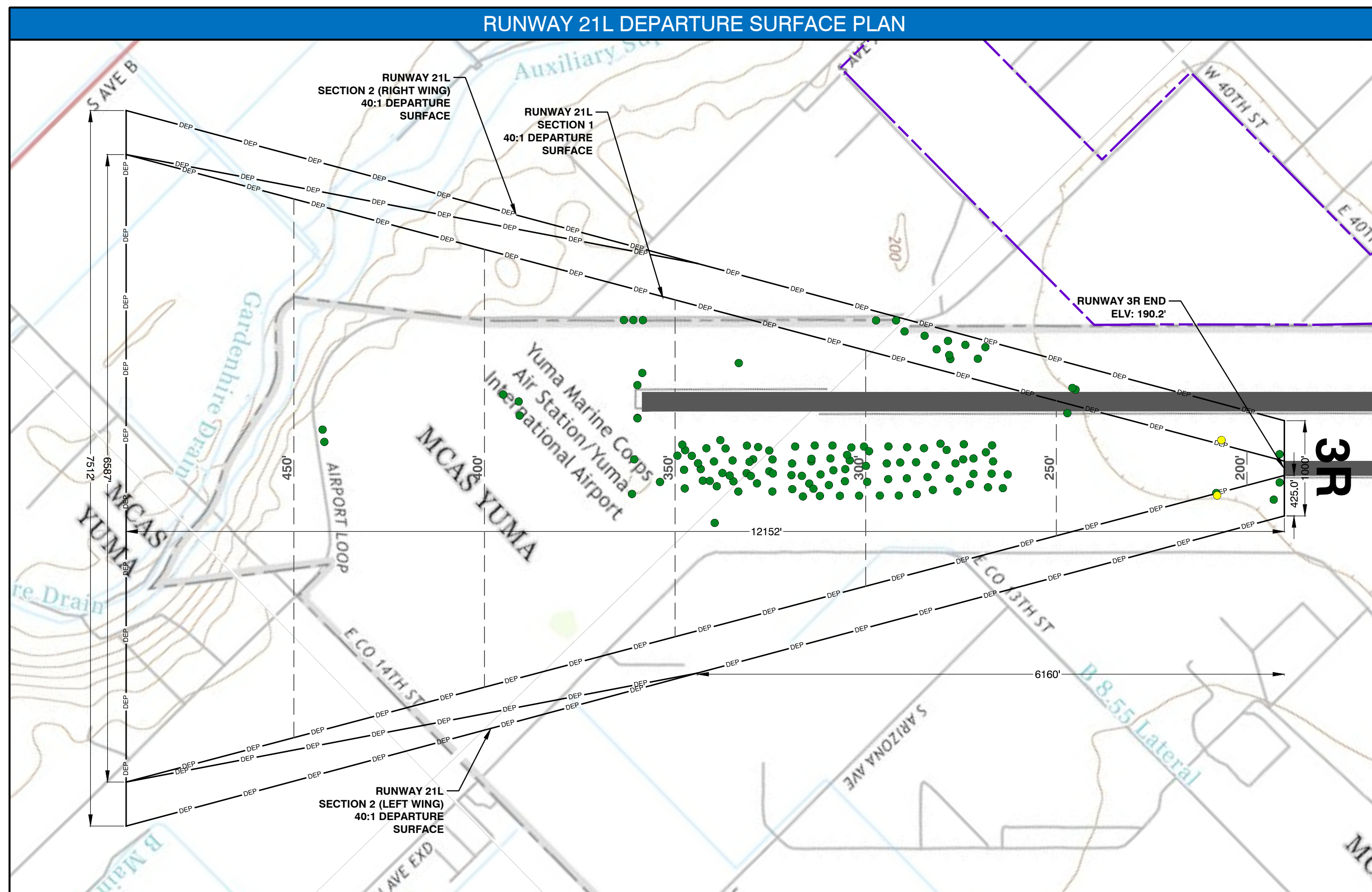
Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

NO.	DESCRIPTION	DATE
1	Master Plan - AIP Update	11/11/21

BY: M&H

M&H NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
**RUNWAY 3R/21L
DEPARTURE
SURFACES**



- LEGEND: PLAN VIEW**
- Runway
 - Airport Property Boundary
 - Departure Surface Contour
 - 40:1 Departure Surface
 - Object > 10ft. Clear of 40:1 Departure Surface
 - Object Within 10ft. 40:1 Departure Surface
 - Object Penetrates 40:1 Departure Surface
 - Terrain Contours

- LEGEND: PROFILE VIEW**
- Airport Property Boundary
 - 40:1 Departure Surface
 - Object

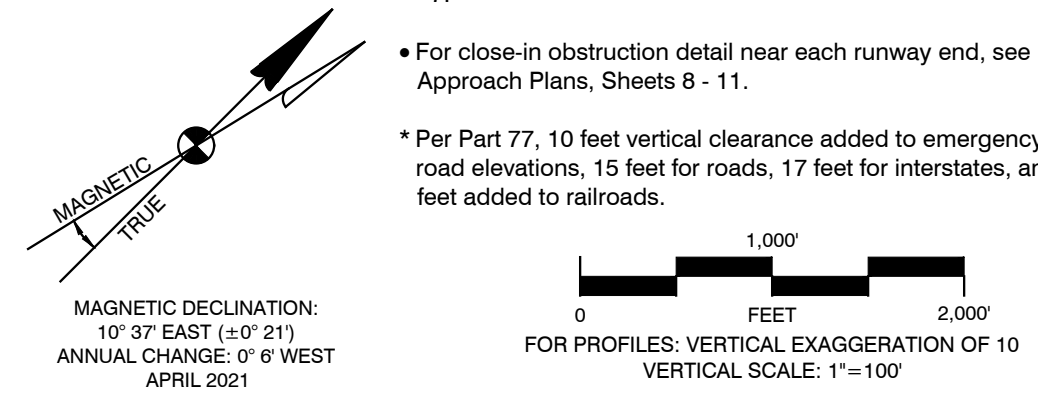
RUNWAY 21R AGIS OBJECTS
No penetrations.

RUNWAY 3R AGIS OBJECTS
No penetrations.

	DEPARTURE SURFACE	
	21L	3R
# OBJECTS THAT PENETRATE DEPARTURE SURFACE	0	0
# OBJECTS WITHIN 10 FEET OF DEPARTURE SURFACE	2	4
# OBJECTS > 10 FEET CLEAR OF DEPARTURE SURFACE	126	27

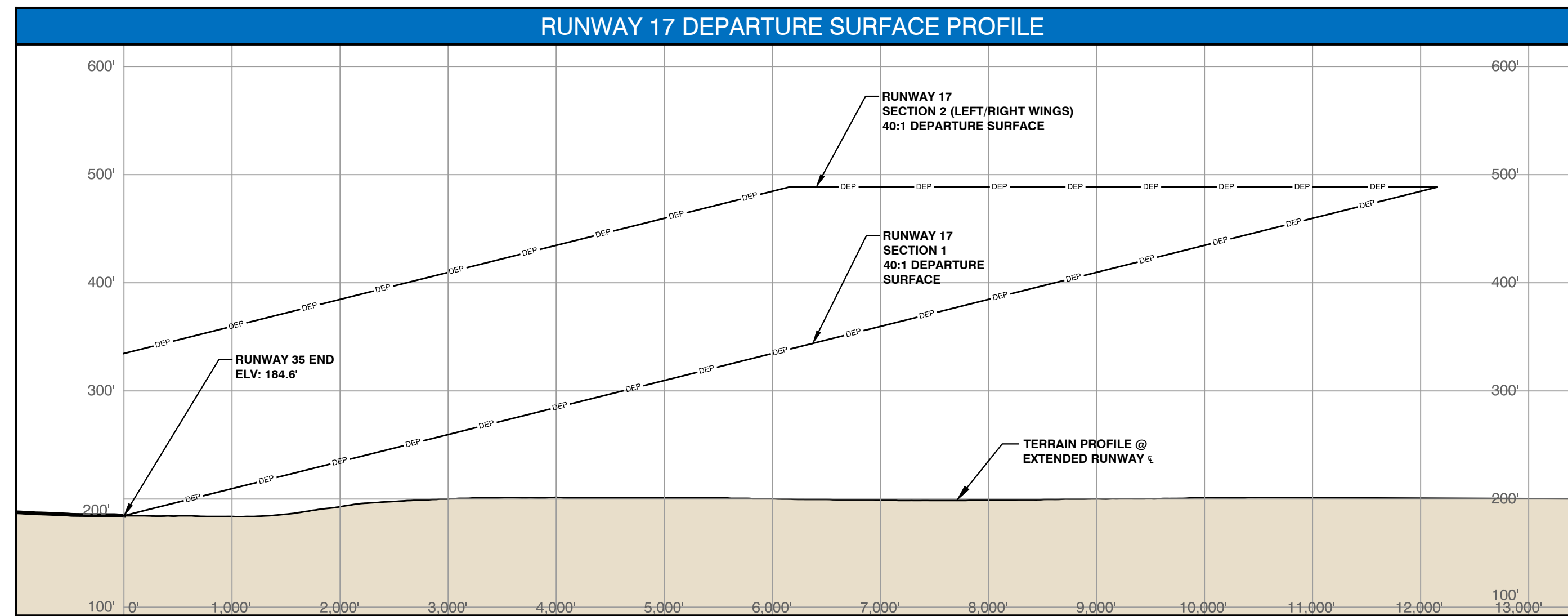
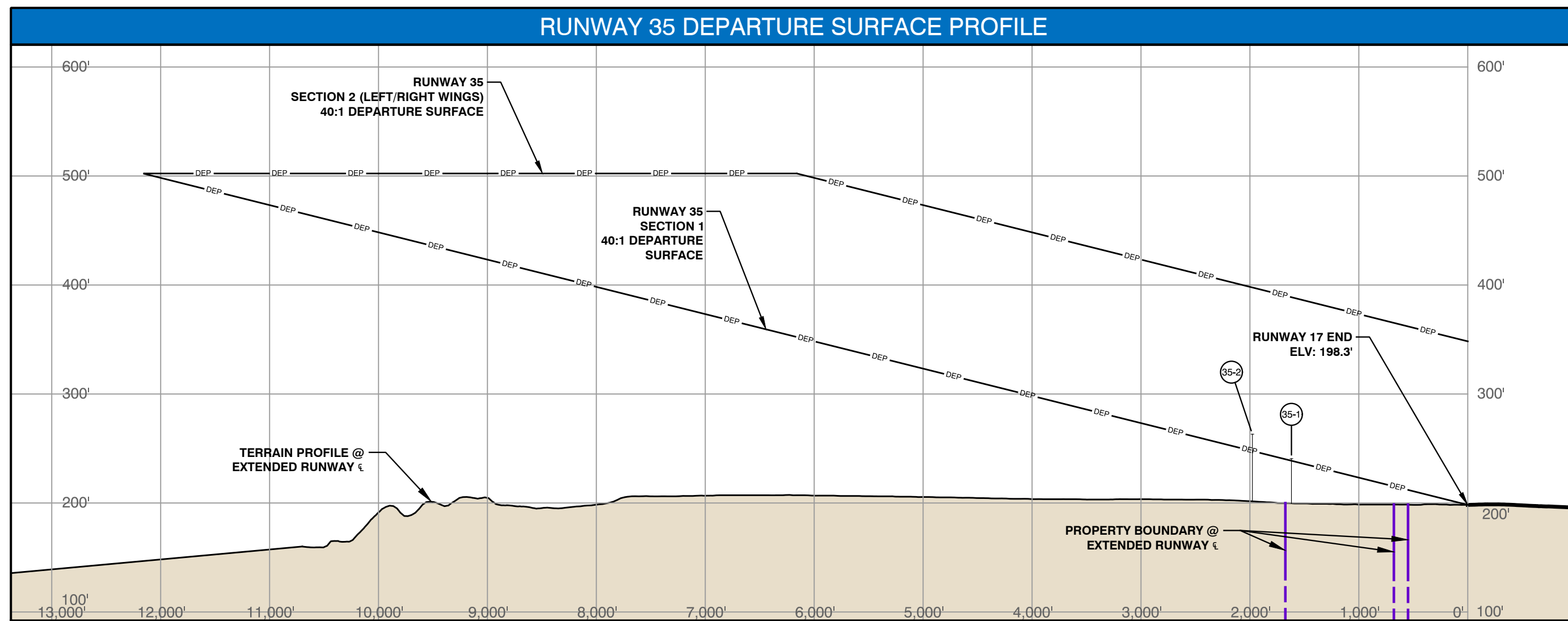
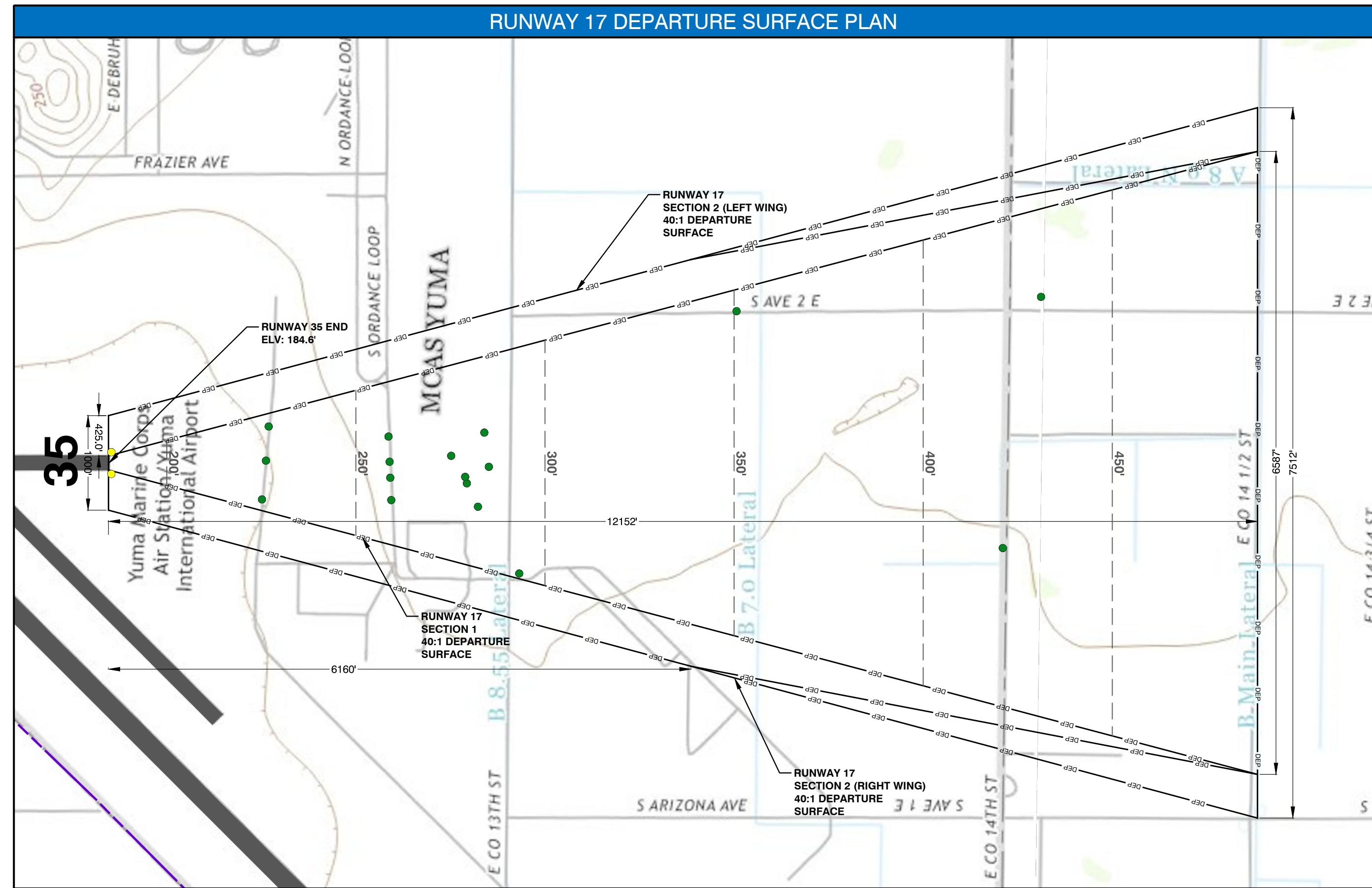
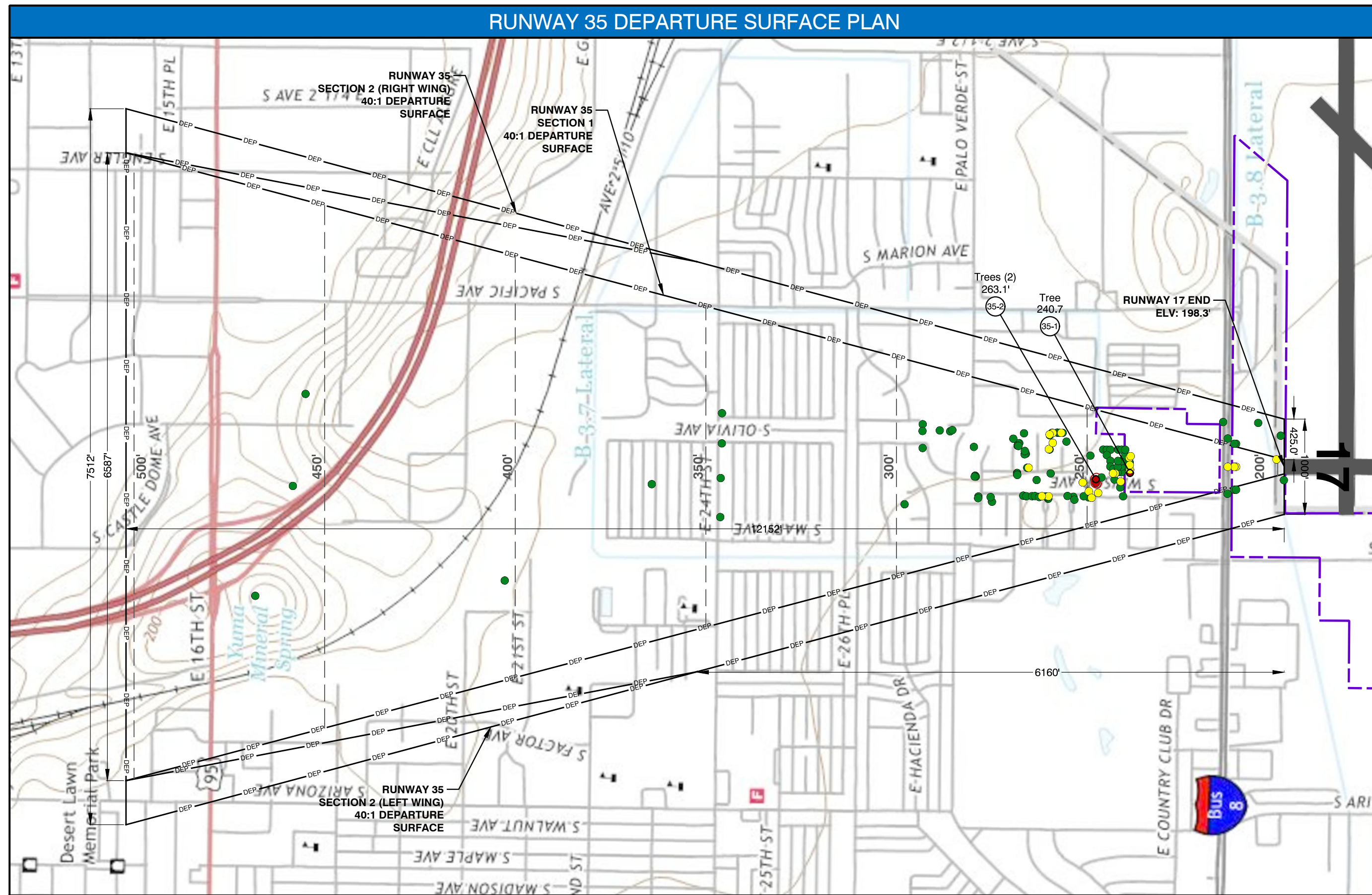
Note: All obstacle data points captured in the 2019 AGIS survey and under Departure Surfaces are counted in this table and illustrated in the Plans.

- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD88. All elevations in feet above mean sea level (MSL).
 - Departure surfaces conform to Engineering Brief 99A, published 7/24/2020.
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021).
 - Basemap source: USGS Topographic maps (7.5 Minute Series, 2018).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For close-in obstruction detail near each runway end, see Inner Approach Plans, Sheets 8 - 11.
 - Per Part 77, 10 feet vertical clearance added to emergency access road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.



X:\2501500\181612.01\TECH\CAD\AIP\ALP_AIRSPACE_PLAN\DEPARTURES.DWG(2021.11.11 PM)

X:\25015000\181612.01\TECH\CAD\ALP\ALP_AIRSPACE_PLAN\DEPARTURES.DWG(2021.11.15) PM



- LEGEND: PLAN VIEW**
- Runway
 - Airport Property Boundary
 - Departure Surface Contour
 - 40:1 Departure Surface
 - Object > 10ft. Clear of 40:1 Departure Surface
 - Object Within 10ft. 40:1 Departure Surface
 - Object Penetrates 40:1 Departure Surface
 - Terrain Contours

- LEGEND: PROFILE VIEW**
- Airport Property Boundary
 - 40:1 Departure Surface
 - Object

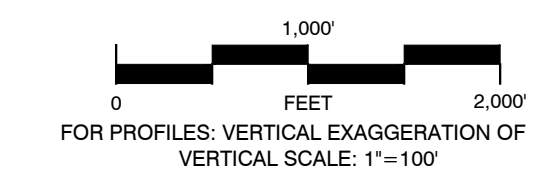
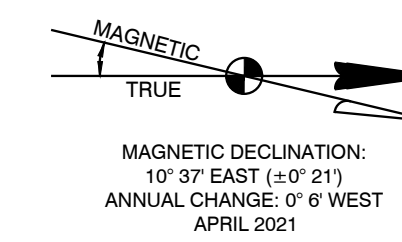
RUNWAY 35 AGIS OBJECTS					
POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	DEPARTURE SURFACE ELEVATION	DEPARTURE SURFACE PENETRATION	DISPOSITION
35 1	Tree	240.7	238.8'	1.9'	Trim
35 2	Trees (2)	263.1	247.7'	15.4'	Trim

	DEPARTURE SURFACE	
	35	17
● # OBJECTS THAT PENETRATE DEPARTURE SURFACE	3	0
● # OBJECTS WITHIN 10 FEET OF DEPARTURE SURFACE	23	2
● # OBJECTS > 10 FEET CLEAR OF DEPARTURE SURFACE	94	17

Note: All obstacle data points captured in the 2019 AGIS survey and under Departure Surfaces are counted in this table and illustrated in the Plans.

RUNWAY 17 AGIS OBJECTS
No penetrations.

- NOTES:**
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD88. All elevations in feet above mean sea level (MSL).
 - Departure surfaces conform to Engineering Brief 99A, published 7/24/2020.
 - Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021).
 - Basemap source: USGS Topographic maps (7.5 Minute Series, 2018).
 - For Part 77 Plan, see Sheet 4.
 - For outer approach plan to Runway 21R, see Sheet 5.
 - For outer approach profiles, see Part 77 Airspace Profiles, Sheets 6 - 7.
 - For close-in obstruction detail near each runway end, see Inner Approach Plans, Sheets 8 - 11.
 - Per Part 77, 10 feet vertical clearance added to emergency access road elevations, 15 feet for roads, 17 feet for interstates, and 23 feet added to railroads.



Mead & Hunt
Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DATE: 11/11/21
BY: MMH
DESCRIPTION: Master Plan - ALP Update

REVISIONS
DESCRIPTION
MHM NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS

**RUNWAY 17/35
DEPARTURE
SURFACES**
SHEET NO.

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

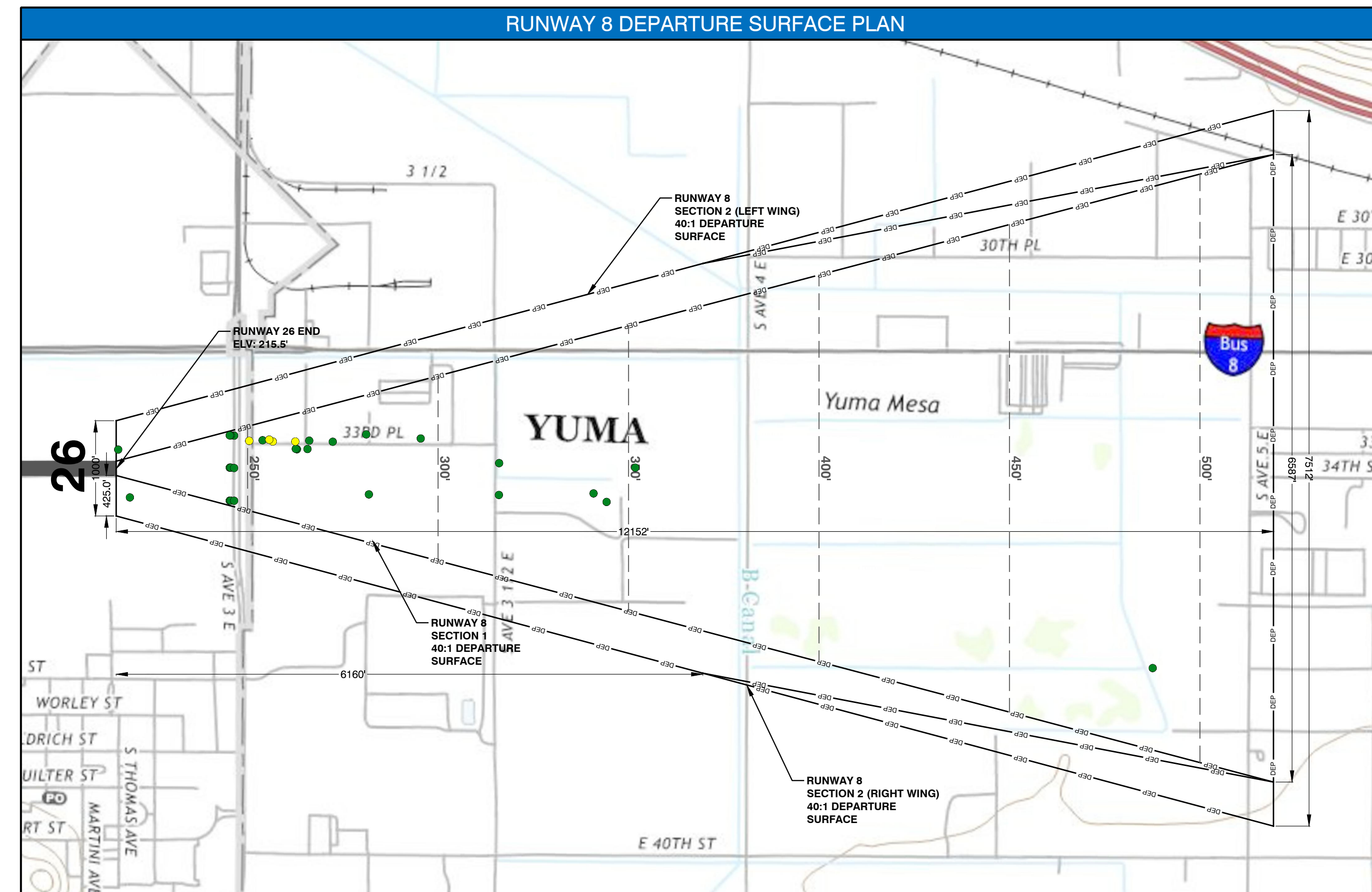
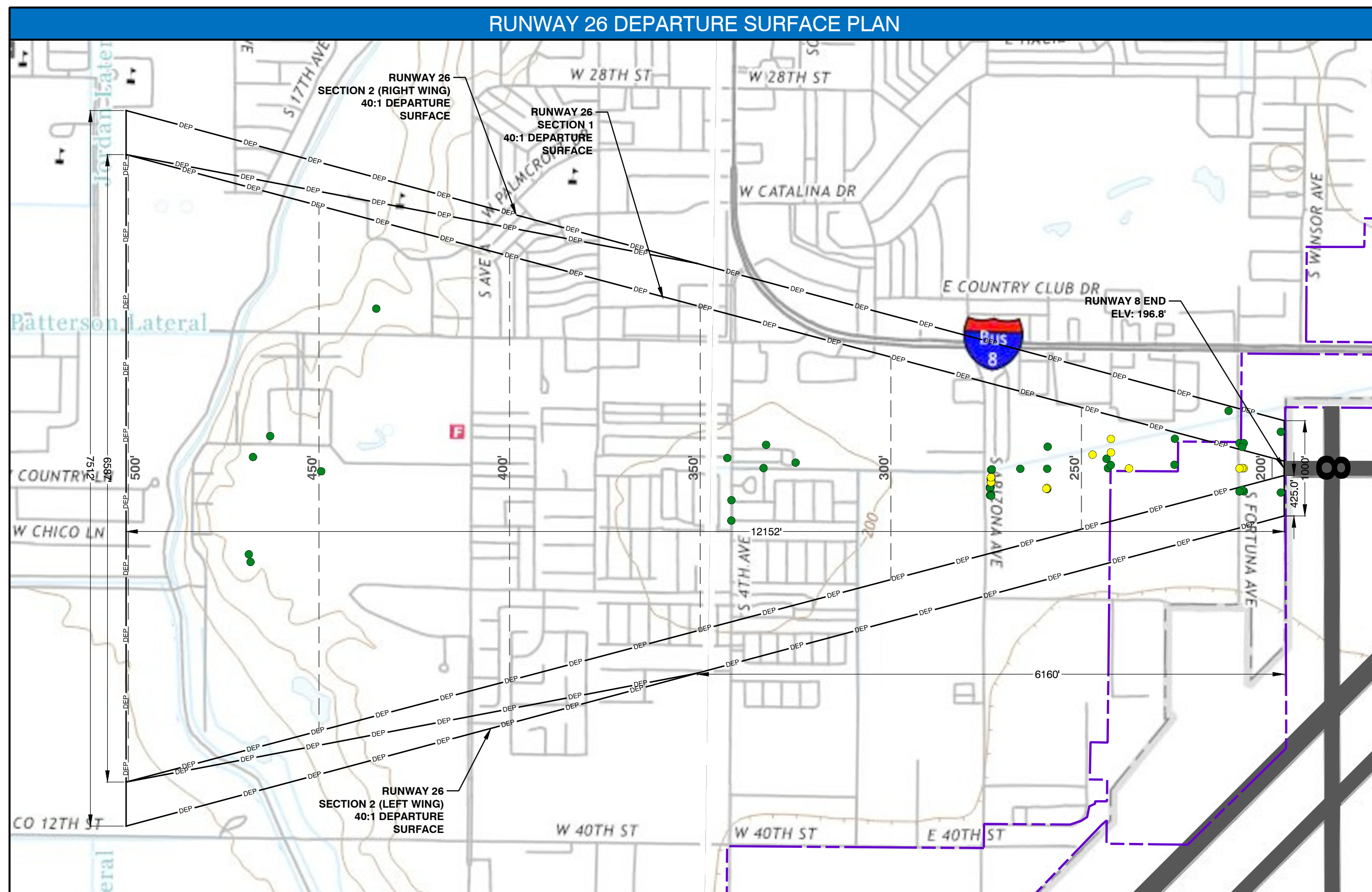
Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DATE	BY	DESCRIPTION
11/11/21	M&H	Main Plan - AIP Update

NO.	DESCRIPTION	DATE
1	M&H NO.: 2501500-181612.01	November - 2021
2	DESIGNED BY: DL, CH	
3	DRAWN BY: DL	
4	CHECKED BY: BM	

DO NOT SCALE DRAWINGS

**RUNWAY 8/26
DEPARTURE SURFACES**



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

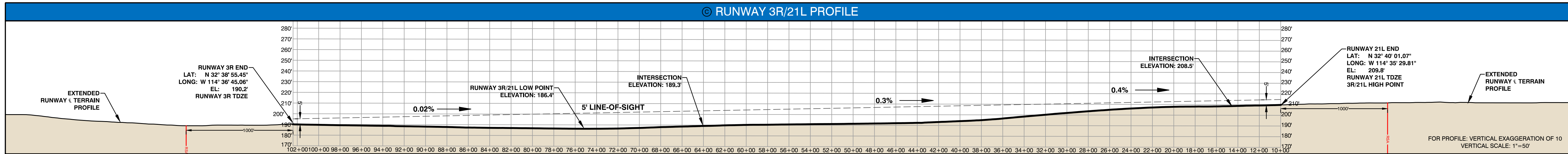
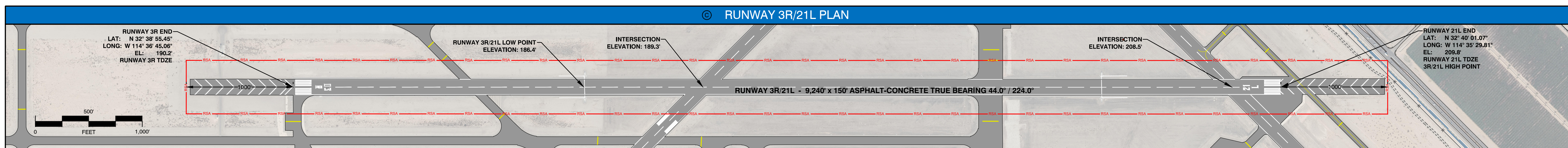
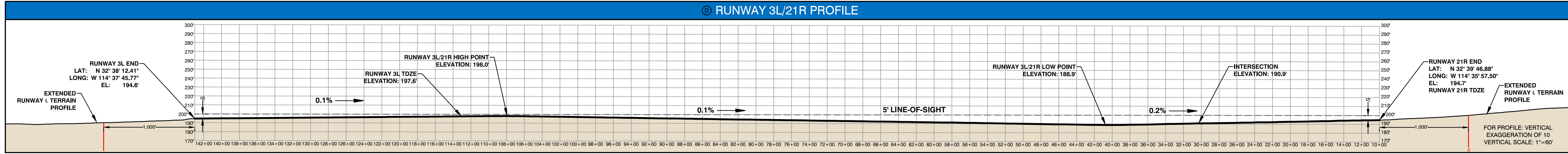
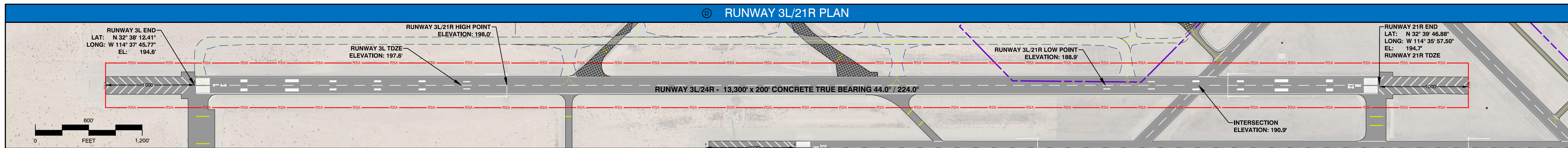
**YUMA INTERNATIONAL AIRPORT
 AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
 2191 E. 32nd St., Suite 218, Yuma, AZ 85365
 September 2021

#	DESCRIPTION	REVISIONS	DATE
1	Master Plan - ALP Update	Update	11/11/21

MH# NO.: 2501500-181612.01
 DATE: November - 2021
 DESIGNED BY: DL, CH
 DRAWN BY: DL
 CHECKED BY: BM
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
 RUNWAY CENTERLINE
 PROFILES - RUNWAYS
 3L/21R & 3R/21L



PLAN LEGEND		
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		
PAVEMENT TO BE REMOVED	N/A	
AIRPORT PROPERTY		N/A
RUNWAY SAFETY AREA (RSA)		N/A
TERRAIN CONTOUR		N/A

PROFILE LEGEND		
	EXISTING	FUTURE
RUNWAY		N/A
AIRPORT PROPERTY		N/A
5' LINE-OF-SIGHT		N/A
RUNWAY SAFETY AREA (RSA)		N/A

ALP & RUNWAY PROFILE NOTES

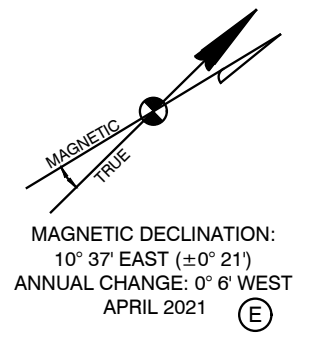
A.) ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and Part 77 of the Federal Aviation Regulations (FAR), Safe, Efficient Use, and Preservation of the Navigable Airspace.

B.) All coordinates NAD83 and all elevations NAVD88. Orthophoto, Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property.

C.) Line of sight standards along individual runways: Runways without a Full Parallel Taxiway: Any point 5 feet above the runway centerline must be mutually visible with any other point 5 feet above the runway centerline.

D.) Line of sight standards along individual runways: Runways with a Full Parallel Taxiway: Any point 5 feet above Runways must be mutually visible with any other point 5 feet above runway centerline that is at a distance that is less than one half the length of the runway.

E.) Magnetic Declination source: National Geophysical Data Center, April 2021.



X:\25015000\181612.01\TECH\CAD\ALP\ALP_RUNWAY_CENTERLINE_PROFILES\DWG\021_154.PLT

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

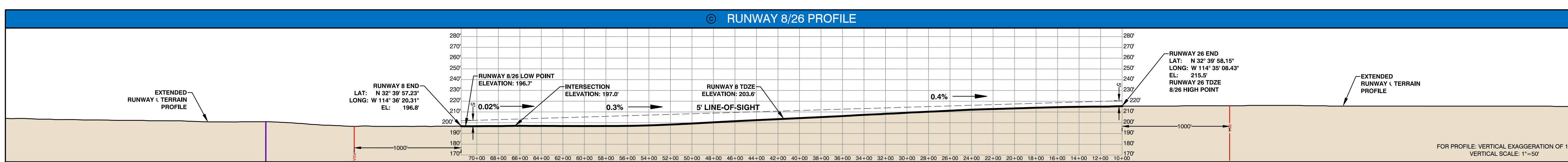
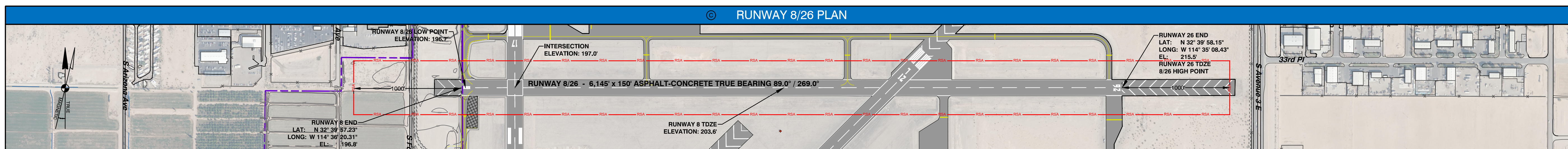
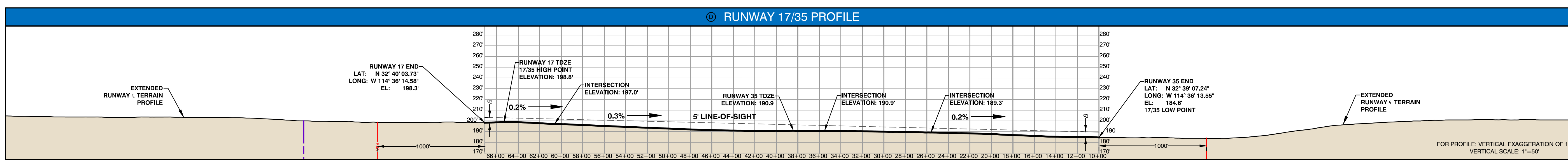
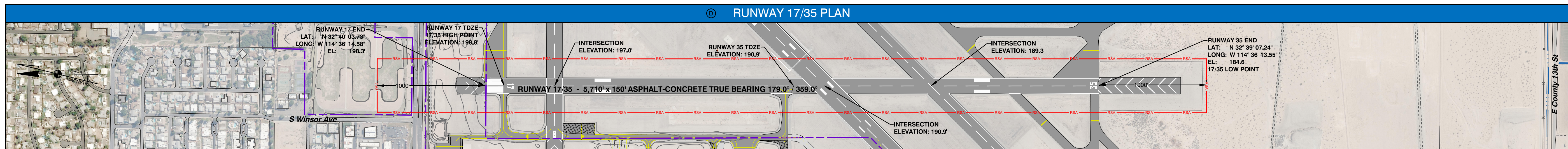
#	DESCRIPTION	REVISIONS	DATE
1	Master Plan - ALP Update	Update	11/11/21

BY: MMH

MAH NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
RUNWAYS CENTERLINE
PROFILES - RUNWAYS
17/35 & 8/26

SHEET NO.



PLAN LEGEND		
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		
PAVEMENT TO BE REMOVED	N/A	
AIRPORT PROPERTY		N/A
RUNWAY SAFETY AREA (RSA)		N/A
TERRAIN CONTOUR		N/A

PROFILE LEGEND		
	EXISTING	FUTURE
RUNWAY		N/A
AIRPORT PROPERTY		N/A
5' LINE-OF-SIGHT		N/A
RUNWAY SAFETY AREA (RSA)		N/A

ALP & RUNWAY PROFILE NOTES

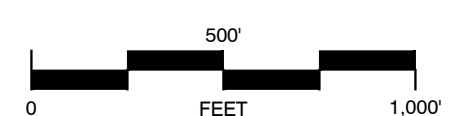
A.) ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and Part 77 of the Federal Aviation Regulations (FAR), Safe, Efficient Use, and Preservation of the Navigable Airspace.

B.) All coordinates NAD83 and all elevations NAVD88. Orthophoto, Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property.

C.) Line of sight standards along individual runways: Runways without a Full Parallel Taxiway: Any point 5 feet above the runway centerline must be mutually visible with any other point 5 feet above the runway centerline.

D.) Line of sight standards along individual runways: Runways with a Full Parallel Taxiway: Any point 5 feet above Runways must be mutually visible with any other point 5 feet above runway centerline that is at a distance that is less than one half the length of the runway.

E.) Magnetic Declination source: National Geophysical Data Center, April 2021.



MAGNETIC DECLINATION:
10° 37' EAST (L: 0° 21')
ANNUAL CHANGE: 0° 6' WEST
APRIL 2021

X:\2501500\181612.01\TECH\CAD\ALP\ALP_RUNWAY_CENTERLINE_PROFILES\DWG\2021_154.PLT

DRAWING LEGEND		
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		N/A
PAVEMENT TO BE REMOVED (AIRFIELD)	N/A	
AIRPORT PROPERTY		N/A
RUNWAY SAFETY AREA (RSA)		N/A
RUNWAY PROTECTION ZONE (RPZ)		N/A
RUNWAY OBJECT FREE AREA (ROFA)		N/A
OBSTACLE FREE ZONE (OFZ)		N/A
INNER APPROACH OFZ		N/A
INNER TRANSITIONAL OFZ		N/A
BUILDING RESTRICTION LINE (BRL)		N/A
FAR PART 77 APPROACH SURFACE		N/A
THRESHOLD SITING SURFACE (TSS)		N/A
RUNWAY VISIBILITY ZONE (RVZ)		N/A
TAXIWAY / LANE MARKING		N/A
TAXIWAY OBJECT FREE AREA (TOFA)		N/A
TAXIWAY SAFETY AREA (TSA)		N/A
BUILDING - ON AIRPORT		N/A
BUILDING - OFF AIRPORT		N/A
LIGHTS (EDGE / GROUP)		
POLE		N/A
VISUAL APPROACH SLOPE INDICATOR (VASI)		N/A
RUNWAY / TAXIWAY SIGN		
ROAD/PARKING		N/A
AIRPORT SERVICE ROAD		N/A
FENCE (0 FEET) / GATE		N/A
CHANNEL / DITCH		N/A
TERRAIN CONTOUR		N/A

EXISTING FACILITIES		
ALP #	FACILITY NAME	ELEVATION
1	Terminal	241.0'
2	Terminal Apron (377,120 SF)	N/A
3	Shade Parking - Rental Cars	218.4'
4	Maintenance Building	231.9'
5	Electrical Vault - Solar Panels	213.8'
6	Automatic Ticket Dispensers - Parking	205.6'
7	Toll Booth	222.2'
8	FAA Airways Facilities Office / YCAA	221.6'
9	Northwest GA Hangar - Building 3	213.7'
10	Northwest GA Hangar - Building 2	213.0'
11	Northwest GA Hangar - Building 1	215.4'
12	Storage / Tanks	206.6'

FUTURE FACILITIES	
ALP #	FACILITY NAME
F1	Terminal Expansion

VISUAL AND NAVAIDS	
ALP#	FACILITY NAME
A1	Rwy 17 Visual Approach Slope Indicator (VASI) (4L)

ALP NOTES

A.) ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and Part 77 of the Federal Aviation Regulations (FAR), Safe, Efficient Use, and Preservation of the Navigable Airspace.

B.) All coordinates NAD83 and all elevations NAVD88. Orthophoto, Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property. Road and interstate elevations shown with Part 77 penalty added. See Airspace Sheets (Sheets 4 through 15) for more detail and full list of obstructions.

C.) Building restriction line (BRL) offset is determined by the required setbacks from runway and taxiway critical design surfaces, plus Part 77 allowable height of structures. FAA 7400 (Obstruction Evaluation / Airport Airspace Analysis) approval is required before any construction and development. Future structures should also maintain clear of line of sight between the air traffic control tower and movement areas.

D.) Magnetic Declination source: National Geophysical Data Center, April 2021.

E.) Future development and hangars are conceptual based on facility requirements. Exact layout and dimensions may vary based on market demand and hangar developer.

F.) Signs and lights will need to be realigned to accommodate proposed taxiway changes (geometry and fillet upgrades). Sign and light realignments will be finalized and incorporated during engineering design.

G.) See Sheet 3 of 22, Airport Data, for list of nonstandard conditions and dispositions.

Mead & Hunt

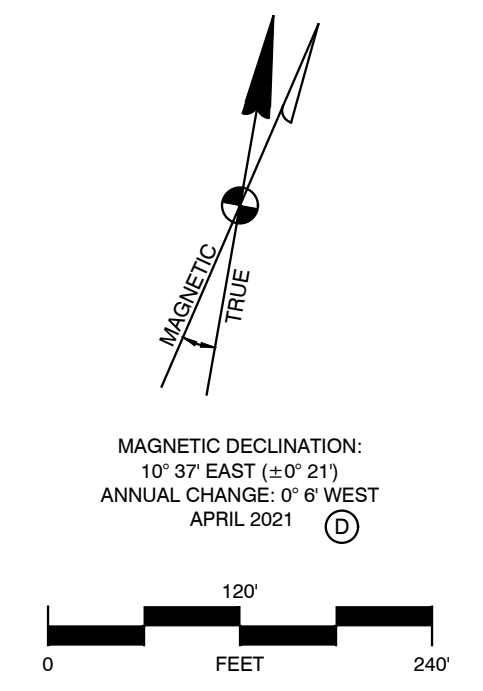
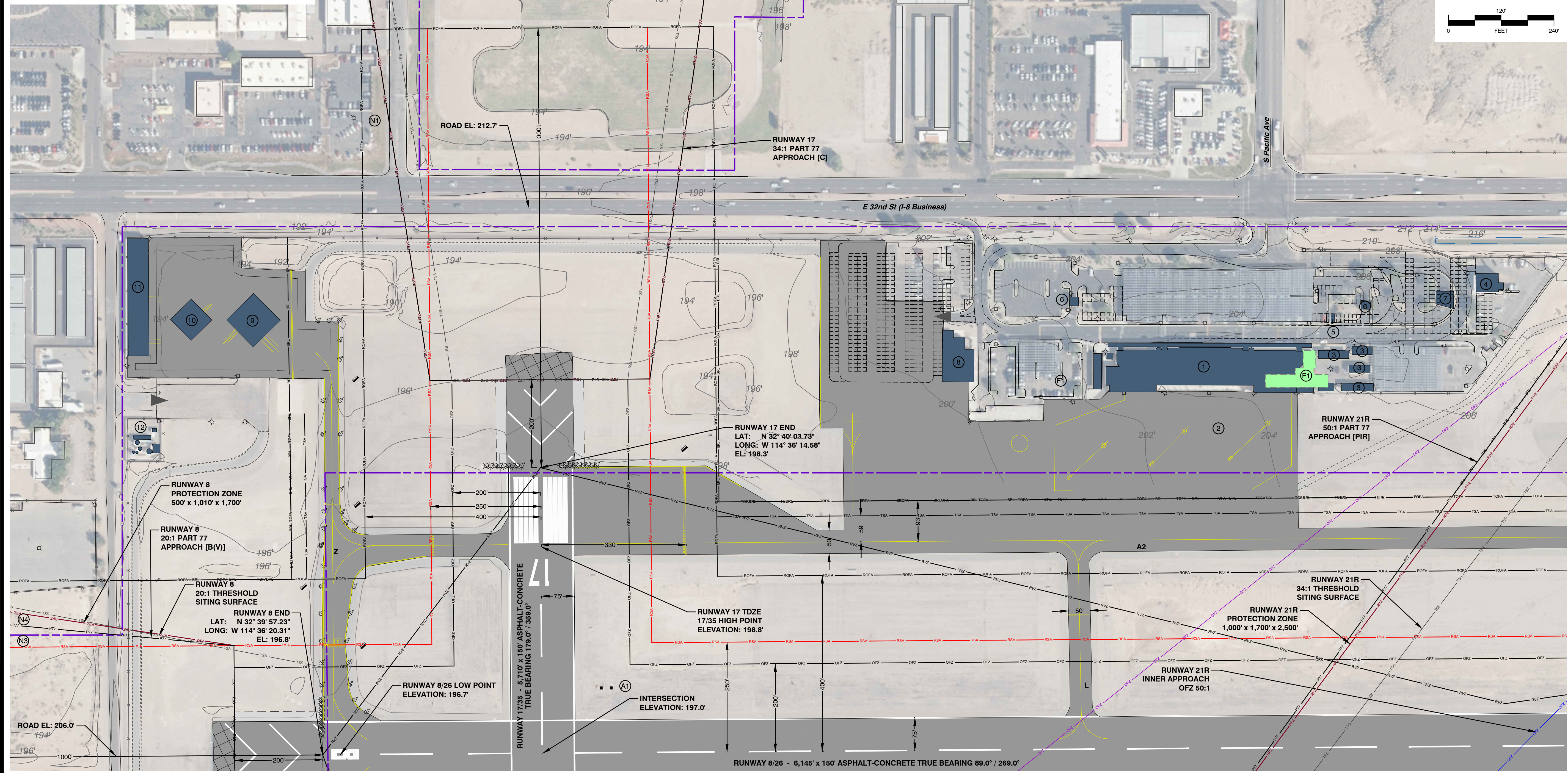
Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com

Fly YUMA
INTERNATIONAL AIRPORT

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do 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 or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021



X:\25015001\181612\011\TECH\CAD\A\PNL\ALP AIRPORT LAYOUT PLAN.DWG 11/10/2021 1:41 PM

DATE: 11/11/21
BY: MMH
DESCRIPTION: Master Plan - ALP Update

REVISIONS

NO. DESCRIPTION

1. Master Plan - ALP Update

MBH NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DM
CHECKED BY: BM
DO NOT SCALE DRAWINGS

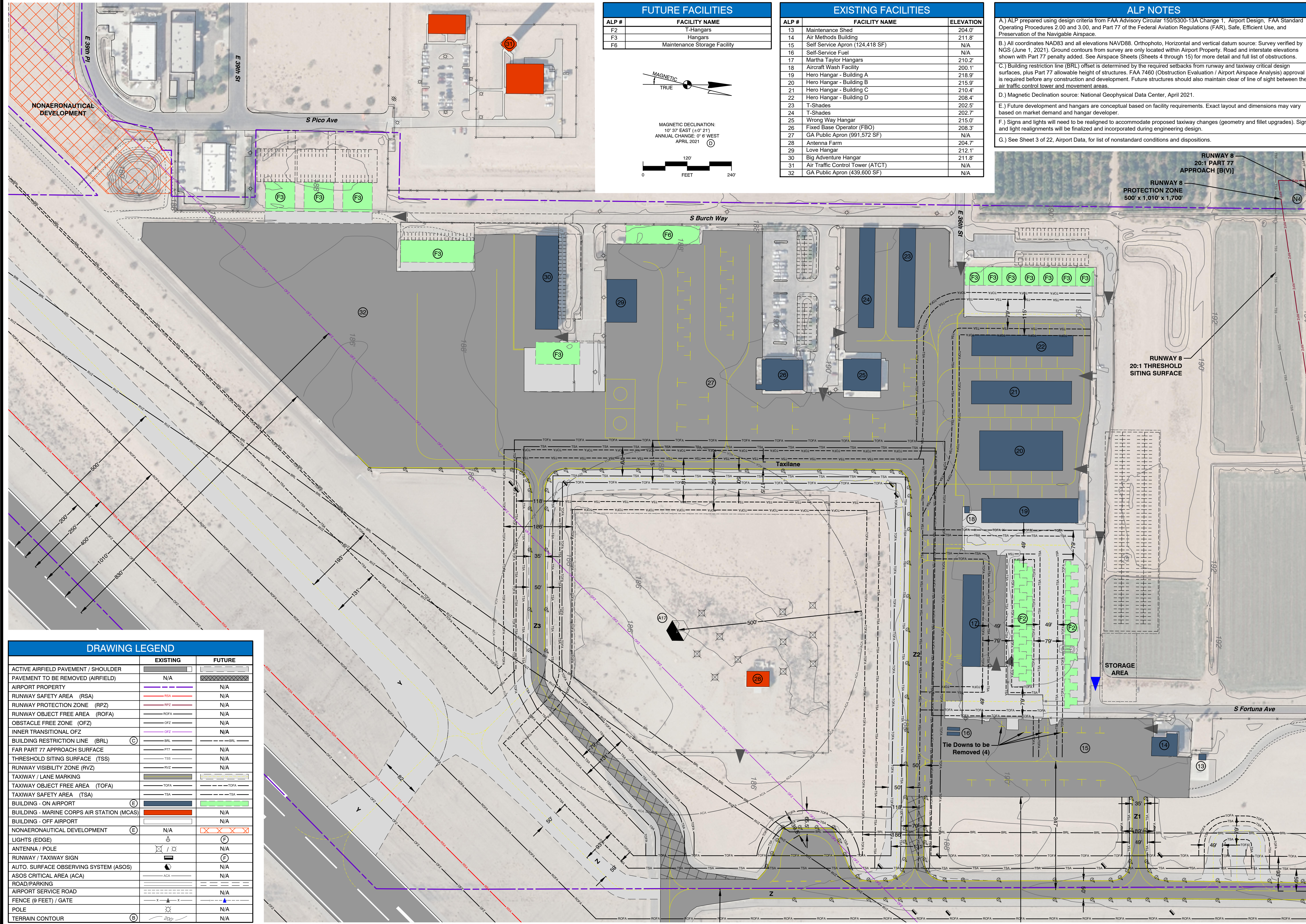
SHEET CONTENTS

**BUILDING AREA
PLAN - NORTH**

SHEET NO.

18 of 22

NOT FOR CONSTRUCTION



FUTURE FACILITIES	
ALP #	FACILITY NAME
F2	T-Hangars
F3	Hangars
F6	Maintenance Storage Facility

EXISTING FACILITIES		
ALP #	FACILITY NAME	ELEVATION
13	Maintenance Shed	204.0'
14	Air Methods Building	211.8'
15	Self Service Apron (124,418 SF)	N/A
16	Self-Service Fuel	N/A
17	Martha Taylor Hangars	210.2'
18	Aircraft Wash Facility	200.1'
19	Hero Hangar - Building A	218.9'
20	Hero Hangar - Building B	215.9'
21	Hero Hangar - Building C	210.4'
22	Hero Hangar - Building D	208.4'
23	T-Shades	202.5'
24	T-Shades	202.7'
25	Wrong Way Hangar	215.0'
26	Fixed Base Operator (FBO)	208.3'
27	GA Public Apron (991,572 SF)	N/A
28	Antenna Farm	204.7'
29	Love Hangar	212.1'
30	Big Adventure Hangar	211.8'
31	Air Traffic Control Tower (ATCT)	N/A
32	GA Public Apron (439,600 SF)	N/A

ALP NOTES

A.) ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and Part 77 of the Federal Aviation Regulations (FAR), Safe, Efficient Use, and Preservation of the Navigable Airspace.

B.) All coordinates NAD83 and all elevations NAVD88. Orthophoto, Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property. Road and interstate elevations shown with Part 77 penalty added. See Airspace Sheets (Sheets 4 through 15) for more detail and full list of obstructions.

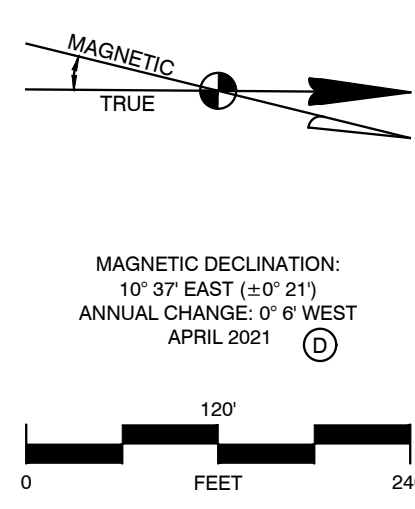
C.) Building restriction line (BRL) offset is determined by the required setbacks from runway and taxiway critical design surfaces, plus Part 77 allowable height of structures. FAA 7460 (Obstruction Evaluation / Airport Airspace Analysis) approval is required before any construction and development. Future structures should also maintain clear of line of sight between the air traffic control tower and movement areas.

D.) Magnetic Declination source: National Geophysical Data Center, April 2021.

E.) Future development and hangars are conceptual based on facility requirements. Exact layout and dimensions may vary based on market demand and hangar developer.

F.) Signs and lights will need to be realigned to accommodate proposed taxiway changes (geometry and fillet upgrades). Sign and light realignments will be finalized and incorporated during engineering design.

G.) See Sheet 3 of 22, Airport Data, for list of nonstandard conditions and dispositions.



Mead & Hunt

Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DRAWING LEGEND		
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		
PAVEMENT TO BE REMOVED (AIRFIELD)	N/A	
AIRPORT PROPERTY		N/A
RUNWAY SAFETY AREA (RSA)		N/A
RUNWAY PROTECTION ZONE (RPZ)		N/A
RUNWAY OBJECT FREE AREA (ROFA)		N/A
OBSTACLE FREE ZONE (OFZ)		N/A
INNER TRANSITIONAL OFZ		N/A
BUILDING RESTRICTION LINE (BRL)		N/A
FAR PART 77 APPROACH SURFACE		N/A
THRESHOLD SITING SURFACE (TSS)		N/A
RUNWAY VISIBILITY ZONE (RVZ)		N/A
TAXIWAY / LANE MARKING		
TAXIWAY OBJECT FREE AREA (TOFA)		
TAXIWAY SAFETY AREA (TSA)		
BUILDING - ON AIRPORT		
BUILDING - MARINE CORPS AIR STATION (MCAS)		N/A
BUILDING - OFF AIRPORT		N/A
NONAERONAUTICAL DEVELOPMENT		
LIGHTS (EDGE)		
ANTENNA / POLE		
RUNWAY / TAXIWAY SIGN		
AUTO. SURFACE OBSERVING SYSTEM (ASOS)		
ASOS CRITICAL AREA (ACA)		
ROAD/PARKING		
AIRPORT SERVICE ROAD		
FENCE (0 FEET) / GATE		
POLE		
TERRAIN CONTOUR		

DATE: 11/11/21
BY: MSH
REVISIONS: Master Plan - ALP Update

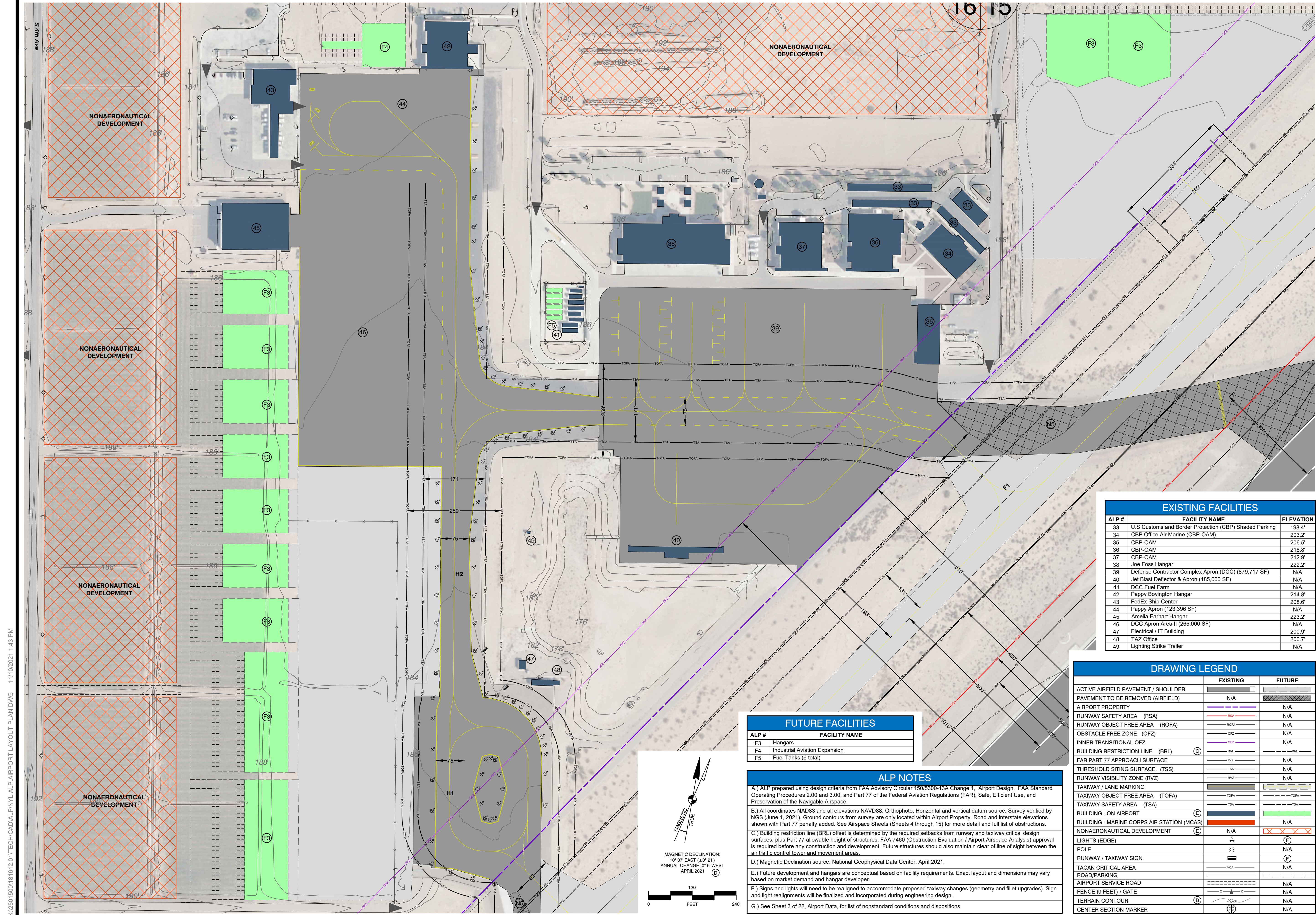
DESCRIPTION: Master Plan - ALP Update

MSH NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
BUILDING AREA PLAN - WEST

SHEET NO.
19 of 22
NOT FOR CONSTRUCTION

X:\2501500\181612\01\TECH\CAD\ALP\ALP_AIRPORT_LAYOUT_PLAN.DWG 11/10/2021 1:42 PM



Mead & Hunt
 Mead and Hunt, Inc.
 Raintree Corporate Center
 8800 E Raintree Drive, Ste 285
 Scottsdale, AZ 85260
 phone: 480-718-1896
 meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
 AIRPORT LAYOUT PLAN**
 Yuma County Airport Authority
 2191 E. 32nd St., Suite 218, Yuma, AZ 85365
 September 2021

EXISTING FACILITIES		
ALP #	FACILITY NAME	ELEVATION
33	U.S Customs and Border Protection (CBP) Shaded Parking	198.4'
34	CBP Office Air Marine (CBP-OAM)	203.2'
35	CBP-OAM	206.5'
36	CBP-OAM	218.8'
37	CBP-OAM	212.9'
38	Joe Foss Hangar	222.2'
39	Defense Contractor Complex Apron (DCC) (879,717 SF)	N/A
40	Jet Blast Deflector & Apron (185,000 SF)	N/A
41	DCC Fuel Farm	N/A
42	Pappy Boyington Hangar	214.8'
43	FedEx Ship Center	208.6'
44	Pappy Apron (123,396 SF)	N/A
45	Amelia Earhart Hangar	223.2'
46	DCC Apron Area II (265,000 SF)	N/A
47	Electrical / IT Building	200.9'
48	TA2 Offices	200.7'
49	Lighting Strike Trailer	N/A

FUTURE FACILITIES	
ALP #	FACILITY NAME
F3	Hangars
F4	Industrial Aviation Expansion
F5	Fuel Tanks (6 total)

ALP NOTES

A.) ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and Part 77 of the Federal Aviation Regulations (FAR), Safe, Efficient Use, and Preservation of the Navigable Airspace.

B.) All coordinates NAD83 and all elevations NAVD88. Orthophoto, Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property. Road and interstate elevations shown with Part 77 penalty added. See Airspace Sheets (Sheets 4 through 15) for more detail and full list of obstructions.

C.) Building restriction line (BRL) offset is determined by the required setbacks from runway and taxiway critical design surfaces, plus Part 77 allowable height of structures. FAA 7460 (Obstruction Evaluation / Airport Airspace Analysis) approval is required before any construction and development. Future structures should also maintain clear of line of sight between the air traffic control tower and movement areas.

D.) Magnetic Declination source: National Geophysical Data Center, April 2021.

E.) Future development and hangars are conceptual based on facility requirements. Exact layout and dimensions may vary based on market demand and hangar developer.

F.) Signs and lights will need to be realigned to accommodate proposed taxiway changes (geometry and fillet upgrades). Sign and light realignments will be finalized and incorporated during engineering design.

G.) See Sheet 3 of 22, Airport Data, for list of nonstandard conditions and dispositions.

DRAWING LEGEND		
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		
PAVEMENT TO BE REMOVED (AIRFIELD)		
AIRPORT PROPERTY		
RUNWAY SAFETY AREA (RSA)		
RUNWAY OBJECT FREE AREA (ROFA)		
OBSTACLE FREE ZONE (OFZ)		
INNER TRANSITIONAL OFZ		
BUILDING RESTRICTION LINE (BRL)		
FAR PART 77 APPROACH SURFACE		
THRESHOLD SITING SURFACE (TSS)		
RUNWAY VISIBILITY ZONE (RVZ)		
TAXIWAY / LANE MARKING		
TAXIWAY OBJECT FREE AREA (TOFA)		
TAXIWAY SAFETY AREA (TSA)		
BUILDING - ON AIRPORT		
BUILDING - MARINE CORPS AIR STATION (MCAS)		
NONAERONAUTICAL DEVELOPMENT		
LIGHTS (EDGE)		
POLE		
RUNWAY / TAXIWAY SIGN		
TACAN CRITICAL AREA		
ROAD/PARKING		
AIRPORT SERVICE ROAD		
FENCE (0 FEET) / GATE		
TERRAIN CONTOUR		
CENTER SECTION MARKER		

X:\25015001\181612\01\TECHCAD\PNL\ALP AIRPORT LAYOUT PLAN.DWG 11/10/2021 1:43 PM

DATE: 11/11/21
 BY: MSH
 REVISIONS:
 # DESCRIPTION: ALP Update
 # Main Plan - ALP Update
 MSH NO.: 2501500-181612.01
 DATE: November - 2021
 DESIGNED BY: DL, CH
 DRAWN BY: DL
 CHECKED BY: BM
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
BUILDING AREA PLAN - SOUTH
 SHEET NO.
20 of 22
 NOT FOR CONSTRUCTION

DRAWING LEGEND		
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		N/A
PAVEMENT TO BE REMOVED (AIRFIELD)	N/A	
AIRPORT PROPERTY		N/A
AIRPORT REFERENCE POINT		N/A
RUNWAY SAFETY AREA (RSA)		N/A
RUNWAY PROTECTION ZONE (RPZ)		N/A
RUNWAY OBJECT FREE AREA (ROFA)		N/A
OBSTACLE FREE ZONE (OFZ)		N/A
TAXIWAY / LANE MARKING		N/A
BUILDING - ON AIRPORT/MCAS		N/A
AERONAUTICAL LAND USE	N/A	
NONAERONAUTICAL LAND USE	N/A	
MED. INT. APPROACH LIGHT SYSTEM (MALS)		N/A
GLIDESLOPE ANTENNA		N/A
LOCALIZER		N/A
TACTICAL AIR NAVIGATION (TACAN)		N/A
ROAD/PARKING		N/A
AIRPORT SERVICE ROAD		N/A
CHANNEL / DITCH		N/A
2019 AICUZ NOISE CONTOUR (60 DNL)		N/A
2019 AICUZ NOISE CONTOUR (65 DNL)		N/A
2019 AICUZ NOISE CONTOUR (70 DNL)		N/A
2019 AICUZ NOISE CONTOUR (75 DNL)		N/A

ON-AIRPORT LAND USES	
PASSENGER TERMINAL AND ROADWAYS	
AUTOMOBILE PARKING	
CAR RENTAL	
GENERAL AVIATION	
INDUSTRIAL / COMMERCIAL / DEFENSE CONTRACTOR COMPLEX	
AVIATION / AIRFIELD / NAVIGATIONAL AIDS	
YCAA FACILITIES	
MCAS YUMA (LEASED)	
YCAA PROPERTY	
AIR CARGO	

ON-AIRPORT LAND USE NOTES

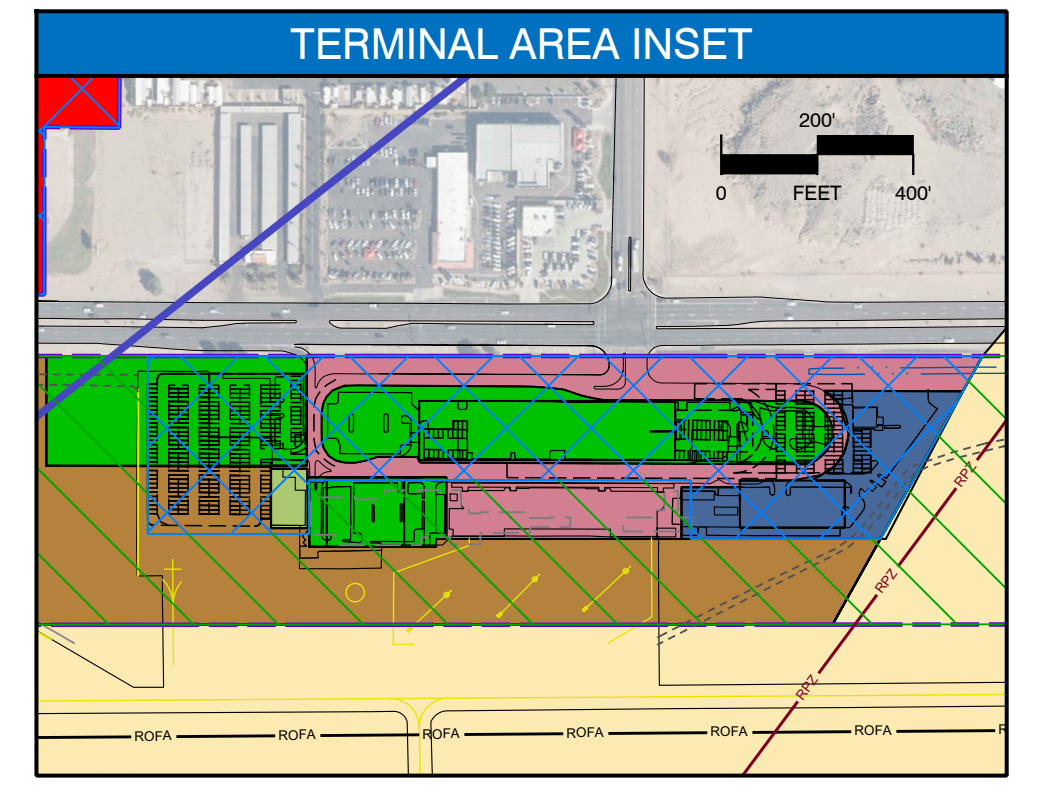
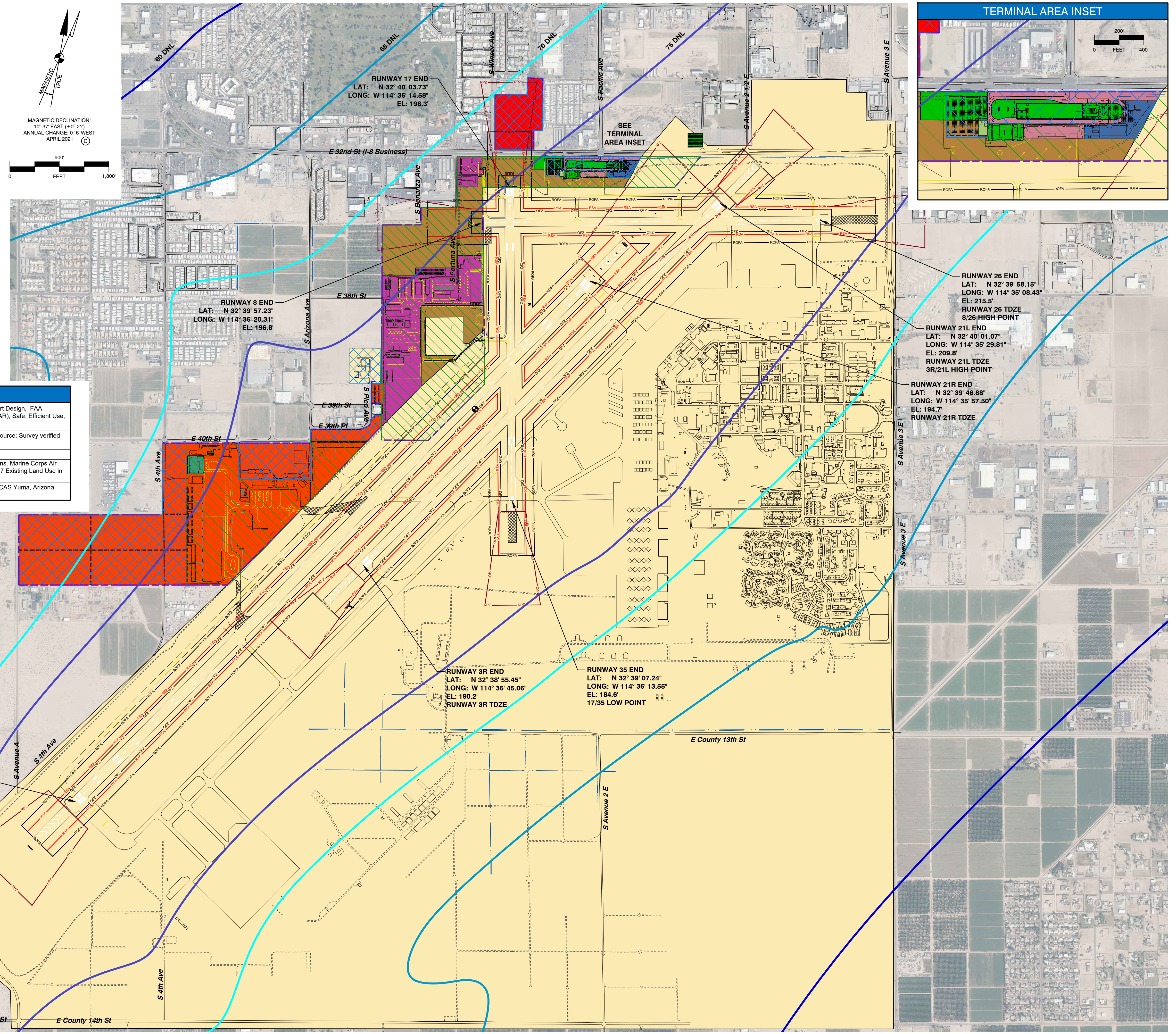
A.) ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and Part 77 of the Federal Aviation Regulations (FAR), Safe, Efficient Use, and Preservation of the Navigable Airspace.

B.) All coordinates NAD83 and all elevations NAVD88. Orthophoto, Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021).

C.) Magnetic Declination source: National Geophysical Data Center, April 2021.

D.) On-Airport Land Uses source: YCAA, On-Airport Land Uses modified to reflect existing conditions. Marine Corps Air Station (MCAS) Yuma Land Use based on Air Installations Compatible Use Zones Study, Figure 6-7 Existing Land Use in AICUZ Footprint, June 2019.

E.) Noise Contours source: June 2019, Air Installations Compatible Use Zones Update study for MCAS Yuma, Arizona. Used with permission from the Federal Aviation Administration dated October 3, 2019.



Mead & Hunt

Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DATE	BY	REVISIONS
11/11/21	MMH	Master Plan - ALP Update

DESCRIPTION: Master Plan - ALP Update

MAH NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS

ON-AIRPORT
LAND USE PLAN

SHEET NO.

21 of 22

NOT FOR CONSTRUCTION

X:\25015001\181612.01\TECH\CAD\PNL\ALP ON AIRPORT LAND USE.DWG 11/10/2021 1:55 PM

DRAWING LEGEND		
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		
PAVEMENT TO BE REMOVED (AIRFIELD)	N/A	
AIRPORT PROPERTY		N/A
AIRPORT PARCEL BOUNDARY		N/A
RUNWAY SAFETY AREA (RSA)		N/A
RUNWAY PROTECTION ZONE (RPZ)		N/A
RUNWAY OBJECT FREE AREA (ROFA)		N/A
OBSTACLE FREE ZONE (OFZ)		N/A
PRECISION OFZ		N/A
INNER APPROACH OFZ		N/A
INNER TRANSITIONAL OFZ		N/A
FAR PART 77 APPROACH SURFACE		N/A
RUNWAY VISIBILITY ZONE (RVZ)		N/A
TAXIWAY / LANE MARKING		
BUILDING		
BUILDING - OFF AIRPORT		N/A
NONAERONAUTICAL DEVELOPMENT	N/A	
BEACON		N/A
VISUAL APPROACH SLOPE INDICATOR (VASI)		N/A
PRECISION APPROACH PATH INDICATOR (PAPI)		N/A
MED. INT. APPROACH LIGHT SYSTEM (MALSR)		N/A
GLIDESLOPE ANTENNA		N/A
GLIDESLOPE CRITICAL AREA (GCA)		N/A
LOCALIZER		N/A
LOCALIZER CRITICAL AREA (LCA)		N/A
AIRPORT SURVEILLANCE RADAR CRITICAL AREA		N/A
ROAD/PARKING		
AIRPORT SERVICE ROAD		N/A
CHANNEL / DITCH		N/A
CENTER SECTION MARKER		N/A

AIRPORT PROPERTY DATA					
Parcel	Area	Acquisition Date	Method of Acquisition / Property Status	Type of Conveyance Instrument	Notes
A	30.70	2/1/2003	FAA AIP-23/24, ADOT E8S09	Fee Simple	N/A
B	20.68	Acquired by County	N/A	Lease	N/A
C	20.41	2/14/1956	Patent No. 1160556	Patent	N/A
D	153.26	2/14/1956	Patent No. 1160556	Patent	N/A
E	11.97	9/14/1978	N/A	Lease	N/A
F	1.86	7/18/1990	N/A	Lease	N/A
G	46.46	11/17/1981	N/A	Lease	N/A
H	67.44	6/30/2004	FAA AIP-13, ADOT ZL 20/21	Fee Simple	N/A
I	4.38	8/2/2002	FAA AIP-21	Fee Simple	N/A
J	0.80	7/27/2004	FAA AIP-21	Fee Simple	N/A
K	0.80	7/27/2004	FAA AIP-20/21	Fee Simple	N/A
L	0.80	7/27/2004	FAA AIP-20/21	Fee Simple	N/A
M	80.00	1/27/2003	FAA AIP-21/24, ADOT E9204/ZL21	Fee Simple	N/A

PROPERTY MAP NOTES

A.) ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and Part 77 of the Federal Aviation Regulations (FAR), Safe, Efficient Use, and Preservation of the Navigable Airspace.

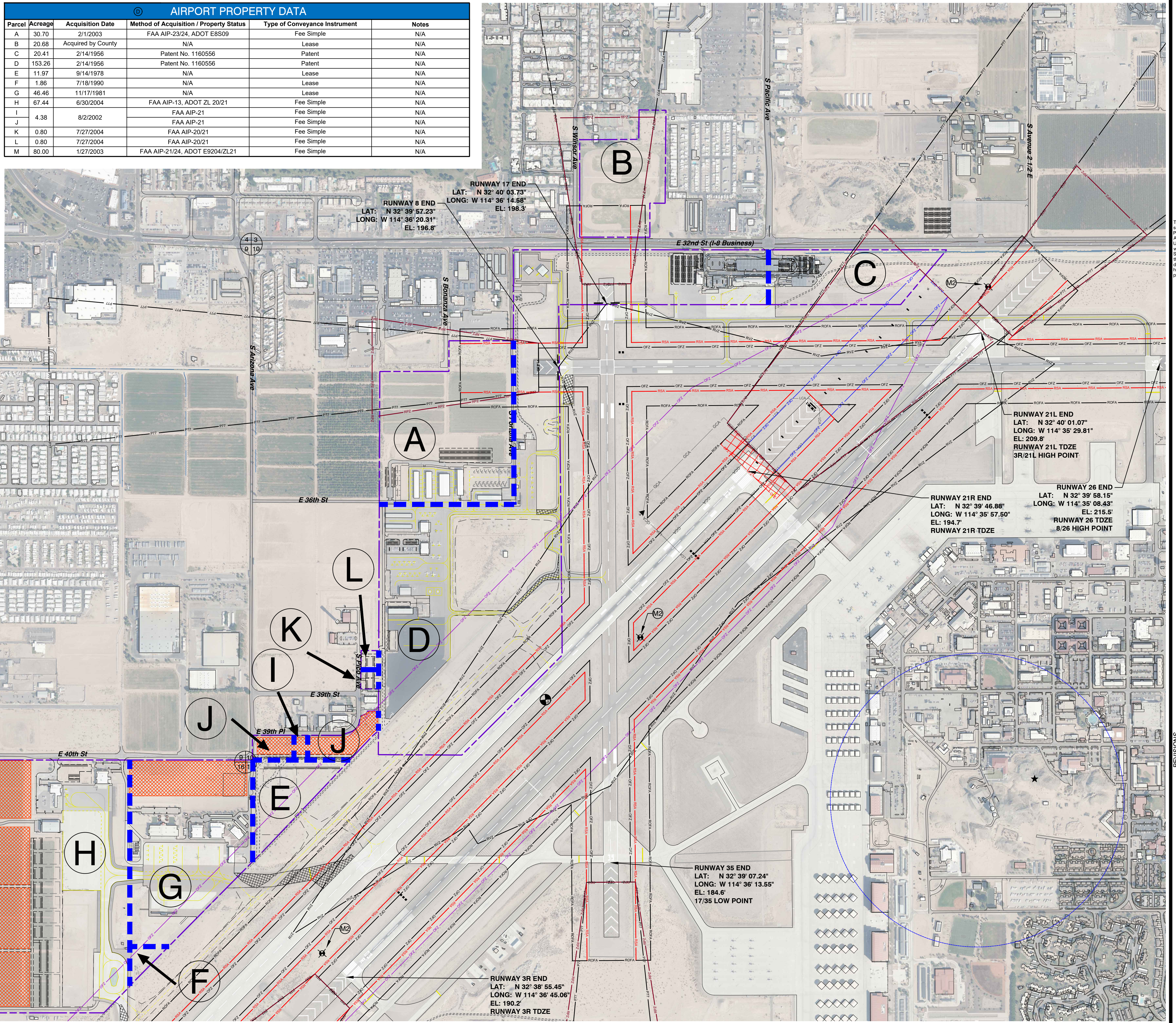
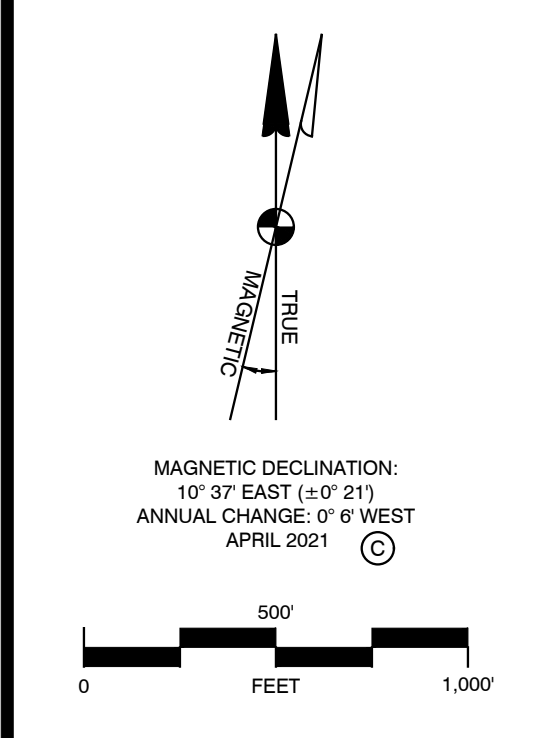
B.) All coordinates NAD83 and all elevations NAVD88. Orthophoto, Horizontal and vertical datum source: Survey verified by NGS (June 1, 2021). Ground contours from survey are only located within Airport Property.

C.) Magnetic Declination source: National Geophysical Data Center, April 2021.

D.) Parcel source: Inner Parcel boundaries based on 2012 ALP.

MONUMENTS			
ALP#	ID	LATITUDE	LONGITUDE
M1	PAC AC6848	N 32° 39' 30.02"	W 114° 36' 10.24"
M2	SAC AC6849	N 32° 38' 57.84"	W 114° 36' 47.94"
M3	SAC AC6850	N 32° 40' 05.74"	W 114° 35' 29.03"

The horizontal coordinates for PACS and SACS were established by GPS observations and adjusted by the National Geodetic Survey in December 2020.



Mead & Hunt
Mead and Hunt, Inc.
Raintree Corporate Center
8800 E Raintree Drive, Ste 285
Scottsdale, AZ 85260
phone: 480-718-1896
meadhunt.com



The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration (AIP #) as provided under Title 49 U.S.C. Section 47104. The contents do not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

**YUMA INTERNATIONAL AIRPORT
AIRPORT LAYOUT PLAN**

Yuma County Airport Authority
2191 E. 32nd St., Suite 218, Yuma, AZ 85365
September 2021

DATE	BY	REVISIONS
11/11/21	MMH	Master Plan - ALP Update

DESCRIPTION: Master Plan - ALP Update

MMH NO.: 2501500-181612.01
DATE: November - 2021
DESIGNED BY: DL, CH
DRAWN BY: DL
CHECKED BY: BM
DO NOT SCALE DRAWINGS

SHEET CONTENTS

**AIRPORT
PROPERTY MAP**

SHEET NO.

22 of 22

NOT FOR CONSTRUCTION

X:\2501500\181612.01\TECHCAD\ALP\ALP PROPERTY MAP.DWG 11/10/2021 1:57 PM