AIRPORT LAYOUT PLAN

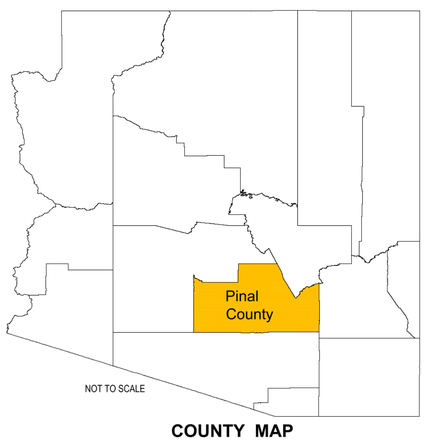
for the

CASA GRANDE MUNICIPAL AIRPORT

City of Casa Grande

Prepared for
the City of CASA GRANDE, ARIZONA

LOCATION MAP



COUNTY MAP

DRAWING INDEX

VICINITY MAP

NO.	REVISIONS	DATE	BY	APP'D.

"THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL AVIATION ADMINISTRATION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982, AS AMENDED. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS."

CASA GRANDE MUNICIPAL AIRPORT

TITLE SHEET

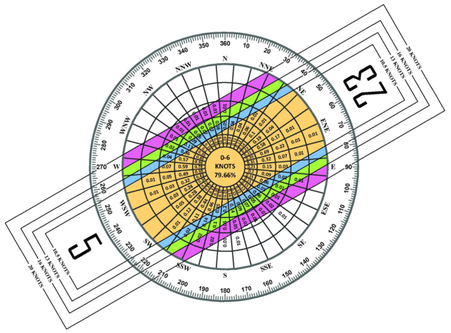
CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 1 OF 14

Coffman Associates
Airport Consultants
www.coffmanassociates.com

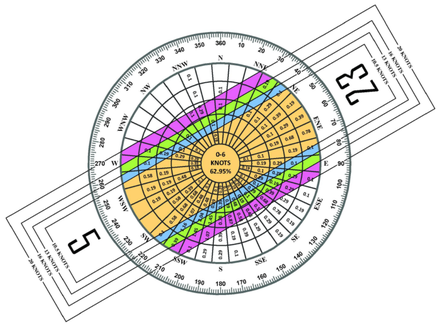
ALL WEATHER WIND COVERAGE				
Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 5-23	97.67%	98.90%	99.67%	99.92%



SOURCE:
NOAA National Climatic Center
Asheville, North Carolina
Casa Grande Municipal Airport
Casa Grande, AZ

OBSERVATIONS:
175,020 All Weather Observations
Jan. 1, 2011 - Dec, 31 2020

IFR WIND COVERAGE				
Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 5-23	78.45%	83.03%	88.42%	94.44%



SOURCE:
NOAA National Climatic Center
Asheville, North Carolina
Casa Grande Municipal Airport
Casa Grande, AZ

OBSERVATIONS:
1,031 IFR Observations
Jan. 1, 2011 - Dec, 31 2020

RUNWAY DATA TABLE

		RUNWAY 5/23			
		EXISTING		ULTIMATE	
Runway Identification		5	23	5	23
Runway Design Code (RDC)		B-II-2400		C-II-2400	
Approach Reference Code (APRC)		B/II/2400	B/III/4000 & D/II/4000	B/IV/2400	D/IV/4000
Departure Reference Code (DPRC)		B/III & D/II		D/IV & D/V	
Runway Surface Material		ASPHALT		Same	
Runway Pavement Strength By Wheel Loading (in thousands of lbs.)		18.5(S)/65(D)		Same	
Runway Pavement Strength by PCN		2/F/D/Y/T		Same	
Runway Surface Treatment		NONE		Same	
Runway Effective Gradient		0.33%		0.37%	
Runway Percent Wind Coverage	10.5 knots	97.67%		Same	
	13 knots	98.90%		Same	
	16 knots	99.67%		Same	
	20 knots	99.92%		Same	
Runway Dimensions (L x W)		5,200' x 100'		7,300' x 100'	
Runway End Coordinates	Latitude	32° 57' 4.737" N	32° 57' 30.527" N	32° 56' 52.204" N	32° 57' 28.414" N
	Longitude	111° 46' 26.951" W	111° 45' 34.151" W	111° 46' 52.600" W	111° 45' 38.477" W
Runway End Elevation		1,447.20' msl	1,464.37' msl	1,437.00' msl	1,463.84' msl
Runway Displaced Threshold Coordinates	Latitude	N/A	N/A	Same	Same
	Longitude	N/A	N/A	Same	Same
Runway Displaced Threshold Distance		N/A	N/A	Same	Same
Runway Displaced Threshold Elevation		N/A	N/A	Same	Same
Runway Safety Area Dimensions (width x length beyond end) - Design Std.		300' x 600'		500' x 1,000'	
Runway Safety Area Dimensions (width x length beyond end) - Actual		300' x 600'		500' x 1,000'	500' x 1,000'
Runway Lighting Type		MIRL		Same	
Runway Protection Zone Dimensions		2,500' x 1,000' x 1,750'	1,000' x 500' x 700'	Same	500' x 1,700' x 1,010'
Runway Marking Type		Precision	Non-Precision	Same	Same
14 CFR Part 77 Approach Slope		50:1/40:1	34:1	Same	Same
14 CFR Part 77 Approach Type		PIR	NPC	Same	Same
Approach Visibility Minimums		1/2 MILE	1 MILE	Same	Same
Type of Aeronautical Survey Required for Approach		VG	NVG	Same	Same
Departure Surface (Yes or N/A)		Yes	Yes	Same	Same
Runway Object Free Area Dimensions (width x length beyond end)		600' x 800'		800' x 1,000'	800' x 1,000'
Runway Obstacle Free Zone Dimension (width x length beyond end)		400' x 200'		Same	
13B Approach Surfaces*		5,6	4	Same	Same
Runway Visual and Instrument Navaids		PAPI-2, VOR, ILS (5), GPS, MALSR (5) RNAV (5,23)		PAPI-4, VOR, ILS (5), GPS, REILs (23), MALSR (5) LPV (23), RNAV (5,23)	
Touchdown Zone Elevation (TDZE)		1,458.38' msl	1,464.37' msl	1,450.05' msl	1,461.64' msl
Vertical Datum		NAVD88			
Horizontal Datum		NAD83			

*Tables 3-2, 3-3, & 3-4 in AC 150/5300-13B

AIRPORT DATA

City: CASA GRANDE		County: PINAL	Owner: CASA GRANDE
Airport Name & ID: Casa Grande Muni. (KCGZ)		EXISTING	ULTIMATE
Airport Reference Code (ARC)		B-II	C-II
Mean Maximum Temperature of Hottest Month		107.1° (July)	Same
Airport Elevation (NAVD 88)		1,464.37' msl	1463.84 msl
Airport Navigational Aids		Rotating Beacon, PAPI-2, ILS(5), MALSR(5), RNAV (5,23), VOR	Rotating Beacon, PAPI-4, ILS(5), MALSR(5), LPV (23), VOR, REILs (23)
Airport Reference Point (ARP) Coordinates	Latitude	32° 57' 17.632" N	32° 57' 10.311" N
	Longitude	111° 46' 0.551" W	111° 46' 11.541" W
Miscellaneous Facilities		AWOS-III, Segmented Circle, Lighted Wind Cone	Same
Design Critical Aircraft		King Air 200/300/350	Challenger 600/604
Wingspan of Design Aircraft (Feet)		53	64
Approach Speed of Design Aircraft (Knots)		107	125
Undercarriage Width of Design Aircraft (Feet)		15'	13'
Magnetic Declination (Degrees)		9° 45' E	
Declination Date		May 5 2022	
Declination Source		NOAA	
NPIAS Code		General Aviation	Same
State System Plan Role		GA Local	SAME

RUNWAY DECLARED DISTANCE	EXISTING		ULTIMATE	
	5	23	5	23
Takeoff Run Available (TORA)	5,200'	5,200'	7,300'	7,300'
Takeoff Distance Available (TODA)	5,200'	5,200'	7,300'	7,300'
Accelerate-Stop Distance Available (ASDA)	5,200'	5,200'	7,300'	7,300'
Landing Distance Available (LDA)	5,200'	5,200'	7,300'	7,300'

Taxiway Data Table

Existing/Ultimate Taxiway/Taxilane Designation	Width	Taxiway/Taxilane Safety Area Dimension	Taxiway Object Free Area	Taxilane Object Free Area	Taxiway/Taxilane Lighting	Taxiway & Taxilane Separation[1]
A	40'	79'	124'	124'	MITL	55'
B	40'	79'	124'	124'	MITL	55'
C	40'	79'	124'	124'	MITL	55'
D/B6	40'	79'	124'	124'	MITL	55'
E	30'	79'	124'	124'	MITL	55'
F/B3	40'	79'	124'	124'	MITL	55'
A	35'	79'	124'	124'	MITL	55'
A1	35'	79'	124'	124'	MITL	55'
A2	35'	79'	124'	124'	MITL	55'
A3	35'	79'	124'	124'	MITL	55'
A4	35'	79'	124'	124'	MITL	55'
A5	35'	79'	124'	124'	MITL	55'
A6	35'	79'	124'	124'	MITL	55'
B	35'	79'	124'	124'	MITL	55'
B1	35'	79'	124'	124'	MITL	55'
B2	35'	79'	124'	124'	MITL	55'
B4	35'	79'	124'	124'	MITL	55'
B5	35'	79'	124'	124'	MITL	55'
B7	35'	79'	124'	124'	MITL	55'
B8	35'	79'	124'	124'	MITL	55'
G	35'	79'	124'	124'	MITL	55'

[1] Objects located inside the TSA & TOFA/Distance from object to taxiway/taxilane centerline. See paragraph 404a. & Table 4-1 in AC 150/5300-13B

MODIFICATIONS TO STANDARDS APPROVAL TABLE			
APPROVAL DATE	AIRSPACE CASE NUMBER	STANDARD MODIFIED	DESCRIPTION
None Required			

NAVAID Ownership	
NAVAID	Owner
Airport Beacon	FAA
MALSR	FAA
Localizer	FAA
Glideslope	FAA
AWOS	FAA
Lighted Wind Cones	CGZ
PAPI-2	CGZ

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT

AIRPORT DATA SHEET

CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 2 OF 14

Coffman Associates
Airport Consultants
www.coffmanassociates.com

ULTIMATE AIRPORT FACILITIES

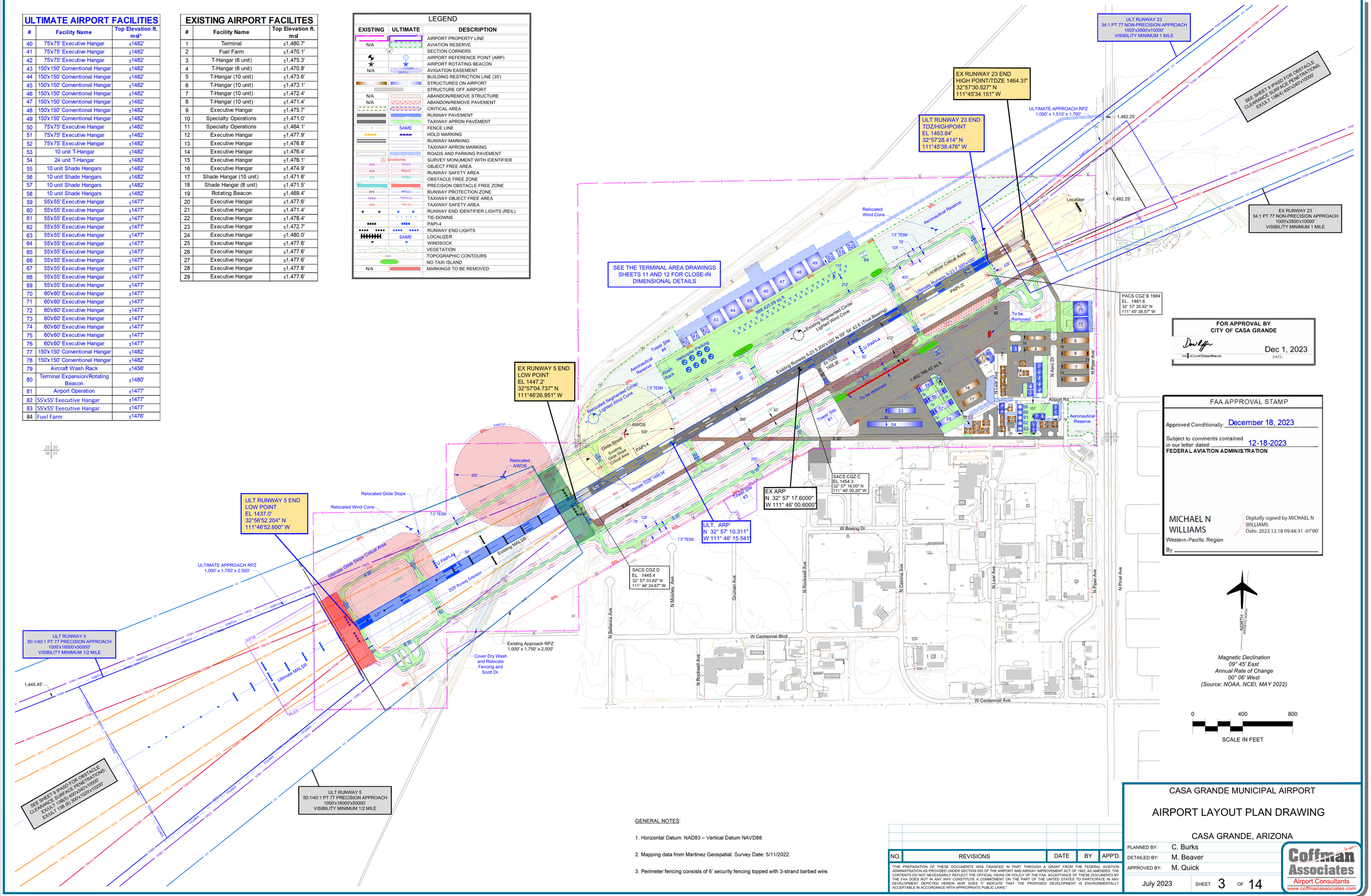
#	Facility Name	Top Elevation ft. msl*
40	75'x75' Executive Hangar	±1482'
41	75'x75' Executive Hangar	±1482'
42	75'x75' Executive Hangar	±1482'
43	150'x150' Conventional Hangar	±1482'
44	150'x150' Conventional Hangar	±1482'
45	150'x150' Conventional Hangar	±1482'
46	150'x150' Conventional Hangar	±1482'
47	150'x150' Conventional Hangar	±1482'
48	150'x150' Conventional Hangar	±1482'
49	150'x150' Conventional Hangar	±1482'
50	75'x75' Executive Hangar	±1482'
51	75'x75' Executive Hangar	±1482'
52	75'x75' Executive Hangar	±1482'
53	10 unit T-Hangar	±1482'
54	24 unit T-Hangar	±1482'
55	10 unit Shade Hangars	±1482'
56	10 unit Shade Hangars	±1482'
57	10 unit Shade Hangars	±1482'
58	10 unit Shade Hangars	±1482'
59	55'x55' Executive Hangar	±1477'
60	55'x55' Executive Hangar	±1477'
61	55'x55' Executive Hangar	±1477'
62	55'x55' Executive Hangar	±1477'
63	55'x55' Executive Hangar	±1477'
64	55'x55' Executive Hangar	±1477'
65	55'x55' Executive Hangar	±1477'
66	55'x55' Executive Hangar	±1477'
67	55'x55' Executive Hangar	±1477'
68	55'x55' Executive Hangar	±1477'
69	55'x55' Executive Hangar	±1477'
70	60'x60' Executive Hangar	±1477'
71	60'x60' Executive Hangar	±1477'
72	60'x60' Executive Hangar	±1477'
73	60'x60' Executive Hangar	±1477'
74	60'x60' Executive Hangar	±1477'
75	60'x60' Executive Hangar	±1477'
76	60'x60' Executive Hangar	±1477'
77	150'x150' Conventional Hangar	±1482'
78	150'x150' Conventional Hangar	±1482'
79	Aircraft Wash Rack	±1456'
80	Terminal Expansion/Rotating Beacon	±1480'
81	Airport Operation	±1477'
82	55'x55' Executive Hangar	±1477'
83	55'x55' Executive Hangar	±1477'
84	Fuel Farm	±1476'

EXISTING AIRPORT FACILITES

#	Facility Name	Top Elevation ft. msl
1	Terminal	±1,480.7'
2	Fuel Farm	±1,470.1'
3	T-Hangar (6 unit)	±1,475.3'
4	T-Hangar (6 unit)	±1,470.8'
5	T-Hangar (10 unit)	±1,473.6'
6	T-Hangar (10 unit)	±1,473.1'
7	T-Hangar (10 unit)	±1,472.4'
8	T-Hangar (10 unit)	±1,471.4'
9	Executive Hangar	±1,475.7'
10	Specialty Operations	±1,471.0'
11	Specialty Operations	±1,464.1'
12	Executive Hangar	±1,477.9'
13	Executive Hangar	±1,476.8'
14	Executive Hangar	±1,476.4'
15	Executive Hangar	±1,476.1'
16	Executive Hangar	±1,474.9'
17	Shade Hangar (10 unit)	±1,471.6'
18	Shade Hangar (8 unit)	±1,471.5'
19	Rotating Beacon	±1,469.4'
20	Executive Hangar	±1,477.6'
21	Executive Hangar	±1,471.4'
22	Executive Hangar	±1,478.4'
23	Executive Hangar	±1,472.7'
24	Executive Hangar	±1,480.0'
25	Executive Hangar	±1,477.6'
26	Executive Hangar	±1,477.6'
27	Executive Hangar	±1,477.6'
28	Executive Hangar	±1,477.6'
29	Executive Hangar	±1,477.6'

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
N/A		AVIATION RESERVE
		SECTION CORNERS
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
N/A		AVIGATION EASEMENT
		BUILDING RESTRICTION LINE (35')
		STRUCTURES ON AIRPORT
		STRUCTURE OFF AIRPORT
N/A		ABANDON/REMOVE STRUCTURE
N/A		ABANDON/REMOVE PAVEMENT
		CRITICAL AREA
		RUNWAY PAVEMENT
		TAXIWAY APRON PAVEMENT
	SAME	FENCE LINE
		HOLD MARKING
		RUNWAY MARKING
		TAXIWAY APRON MARKING
		ROADS AND PARKING PAVEMENT
		SURVEY MONUMENT WITH IDENTIFIER
		OBJECT FREE AREA
		RUNWAY SAFETY AREA
		OBSTACLE FREE ZONE
		PRECISION OBSTACLE FREE ZONE
		RUNWAY PROTECTION ZONE
		TAXIWAY OBJECT FREE AREA
		TAXIWAY SAFETY AREA
		RUNWAY END IDENTIFIER LIGHTS (REIL)
		TIE-DOWNS
		PAPI-4
		RUNWAY END LIGHTS
	SAME	LOCALIZER
		WINDSOCK
		VEGETATION
		TOPOGRAPHIC CONTOURS
		NO TAXI ISLAND
N/A		MARKINGS TO BE REMOVED



GENERAL NOTES:

1. Horizontal Datum: NAD83 – Vertical Datum NAVD88.

2. Mapping data from Martinez Geospatial. Survey Date: 5/11/2022.

3. Perimeter fencing consists of 6' security fencing topped with 3-strand barbed wire.

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT

AIRPORT LAYOUT PLAN DRAWING

CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 3 OF 14

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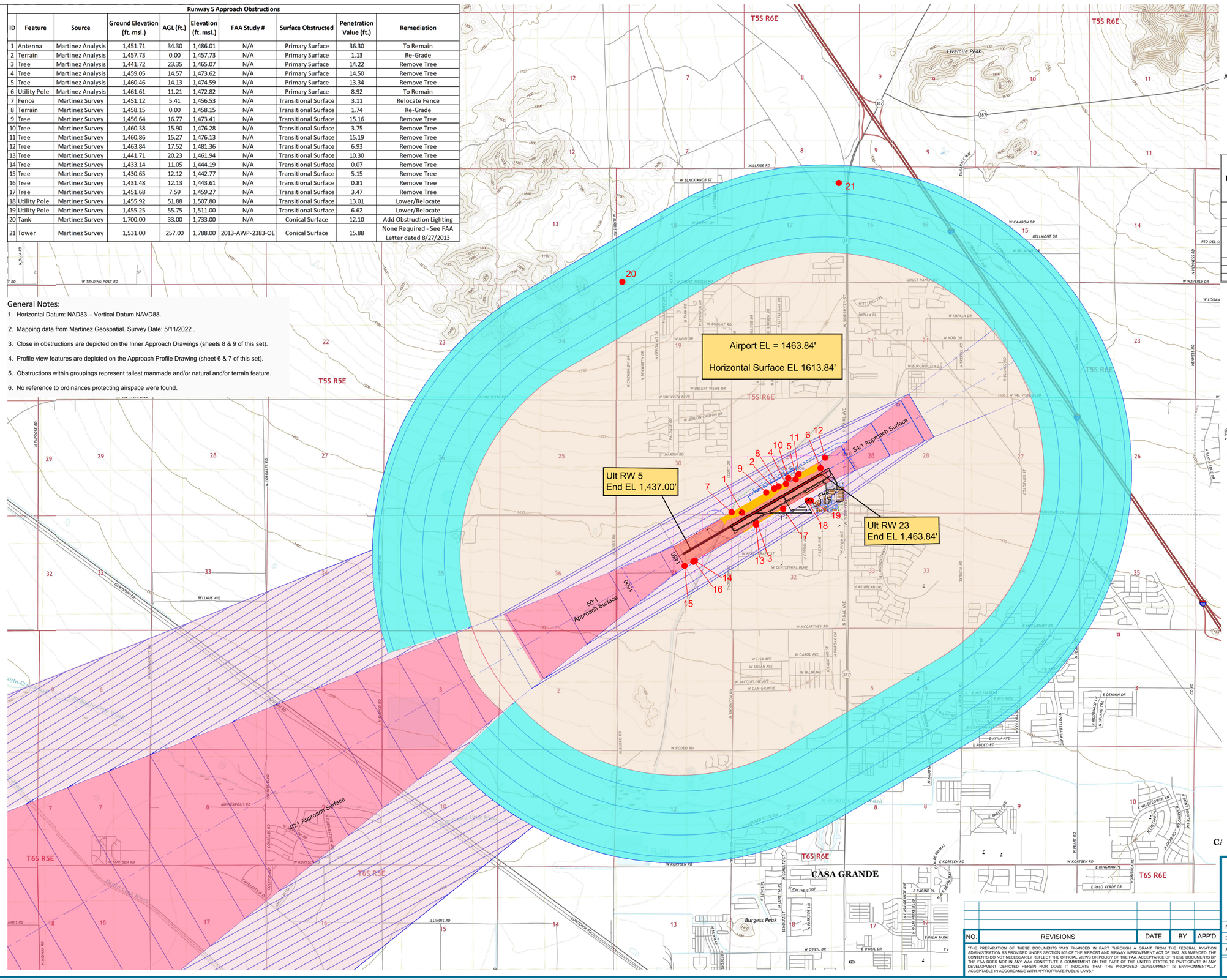
Coffman Associates C:\Users\maggie\Coffman Associates Inc\Coffman - sp_CAD\MP-CGZ_22\ALP\03 CGZ ALD.dwg Printed Date: 11-21-23 11:50:56 AM maggie

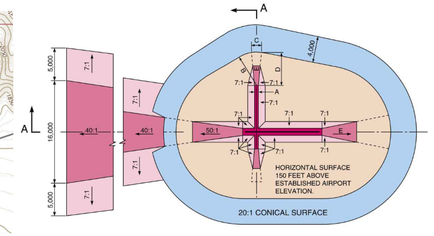
Runway 5 Approach Obstructions

ID	Feature	Source	Ground Elevation (ft. msl.)	AGL (ft.)	Elevation (ft. msl.)	FAA Study #	Surface Obstructed	Penetration Value (ft.)	Remediation
1	Antenna	Martinez Analysis	1,451.71	34.30	1,486.01	N/A	Primary Surface	36.30	To Remain
2	Terrain	Martinez Analysis	1,457.73	0.00	1,457.73	N/A	Primary Surface	1.13	Re-Grade
3	Tree	Martinez Analysis	1,441.72	23.35	1,465.07	N/A	Primary Surface	14.22	Remove Tree
4	Tree	Martinez Analysis	1,459.05	14.57	1,473.62	N/A	Primary Surface	14.50	Remove Tree
5	Tree	Martinez Analysis	1,460.46	14.13	1,474.59	N/A	Primary Surface	13.34	Remove Tree
6	Utility Pole	Martinez Analysis	1,461.61	11.21	1,472.82	N/A	Primary Surface	8.92	To Remain
7	Fence	Martinez Survey	1,451.12	5.41	1,456.53	N/A	Transitional Surface	3.11	Relocate Fence
8	Terrain	Martinez Survey	1,458.15	0.00	1,458.15	N/A	Transitional Surface	1.74	Re-Grade
9	Tree	Martinez Survey	1,456.64	16.77	1,473.41	N/A	Transitional Surface	15.16	Remove Tree
10	Tree	Martinez Survey	1,460.38	15.90	1,476.28	N/A	Transitional Surface	3.75	Remove Tree
11	Tree	Martinez Survey	1,460.86	15.27	1,476.13	N/A	Transitional Surface	15.19	Remove Tree
12	Tree	Martinez Survey	1,463.84	17.52	1,481.36	N/A	Transitional Surface	6.93	Remove Tree
13	Tree	Martinez Survey	1,441.71	20.23	1,461.94	N/A	Transitional Surface	10.30	Remove Tree
14	Tree	Martinez Survey	1,433.14	11.05	1,444.19	N/A	Transitional Surface	0.07	Remove Tree
15	Tree	Martinez Survey	1,430.65	12.12	1,442.77	N/A	Transitional Surface	5.15	Remove Tree
16	Tree	Martinez Survey	1,431.48	12.13	1,443.61	N/A	Transitional Surface	0.81	Remove Tree
17	Tree	Martinez Survey	1,451.68	7.59	1,459.27	N/A	Transitional Surface	3.47	Remove Tree
18	Utility Pole	Martinez Survey	1,455.92	51.88	1,507.80	N/A	Transitional Surface	13.01	Lower/Relocate
19	Utility Pole	Martinez Survey	1,455.25	55.75	1,511.00	N/A	Transitional Surface	6.62	Lower/Relocate
20	Tank	Martinez Survey	1,700.00	33.00	1,733.00	N/A	Conical Surface	12.10	Add Obstruction Lighting
21	Tower	Martinez Survey	1,531.00	257.00	1,788.00	2013-AWP-2383-OE	Conical Surface	15.88	None Required - See FAA Letter dated 8/27/2013



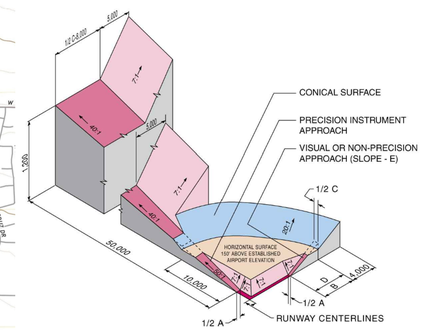
General Notes:

1. Horizontal Datum: NAD83 – Vertical Datum NAVD88.
2. Mapping data from Martinez Geospatial. Survey Date: 5/11/2022 .
3. Close in obstructions are depicted on the Inner Approach Drawings (sheets 8 & 9 of this set).
4. Profile view features are depicted on the Approach Profile Drawing (sheet 6 & 7 of this set).
5. Obstructions within groupings represent tallest manmade and/or natural and/or terrain feature.
6. No reference to ordinances protecting airspace were found.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B: C	B: D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B: C	B: D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A - UTILITY RUNWAYS
B - RUNWAYS LARGER THAN UTILITY
C - VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D - VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

SOURCE: FAA Order JO 7400.2J, Figure 6-3-3

LEGEND

OBSTRUCTION IDENTIFIER

OBSTRUCTION AREA GROUPING

NORTH

Magnetic Declination
09° 45' East
Annual Rate of Change
00° 06' West
(Source: NOAA, NCEI, MAY 2022)

0 2000 4000
SCALE IN FEET

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT

AIRPORT AIRSPACE DRAWING I

CASA GRANDE, ARIZONA

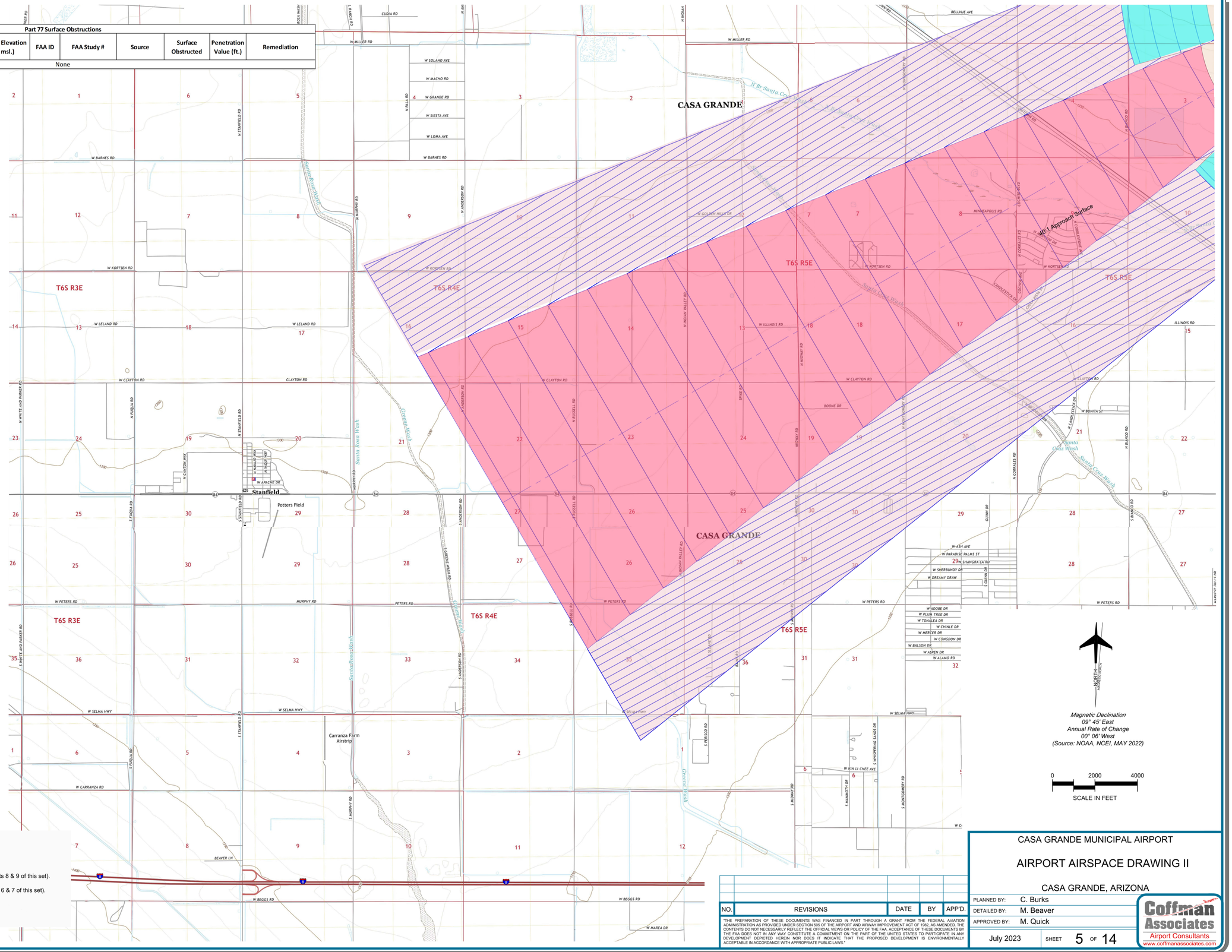
PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 4 OF 14

Coffman Associates
Airport Consultants
www.coffmanassociates.com

Coffman Associates C:\Users\maggie\Coffman Associates Inc\Coffman - sp_CAD\MAP\CGZ_22\ALP\04 05 CGZ AIRS.dwg Printed Date: 11-20-23 03:59:24 PM maggie

Part 77 Surface Obstructions										
ID	Raw Obstruction ID	Feature	Elevation (ft. msl.)	AGL (ft.)	Ground Elevation (ft. msl.)	FAA ID	FAA Study #	Source	Surface Obstructed	Penetration Value (ft.)	Remediation
None											



Magnetic Declination
09° 45' East
Annual Rate of Change
00° 06' West
(Source: NOAA, NCEI, MAY 2022)

0 2000 4000
SCALE IN FEET

General Notes:

1. Horizontal Datum: NAD83 – Vertical Datum NAVD88.
2. Mapping data from Martinez Geospatial. Survey Date: 5/11/2022 .
3. Close in obstructions are depicted on the Inner Approach Drawings (sheets 8 & 9 of this set).
4. Profile view features are depicted on the Approach Profile Drawing (sheet 6 & 7 of this set).
5. No reference to ordinances protecting airspace were found.

NO.	REVISIONS	DATE	BY	APP'D.

"THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A GRANT FROM THE FEDERAL AVIATION ADMINISTRATION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982, AS AMENDED. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS."

CASA GRANDE MUNICIPAL AIRPORT

AIRPORT AIRSPACE DRAWING II

CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 5 OF 14

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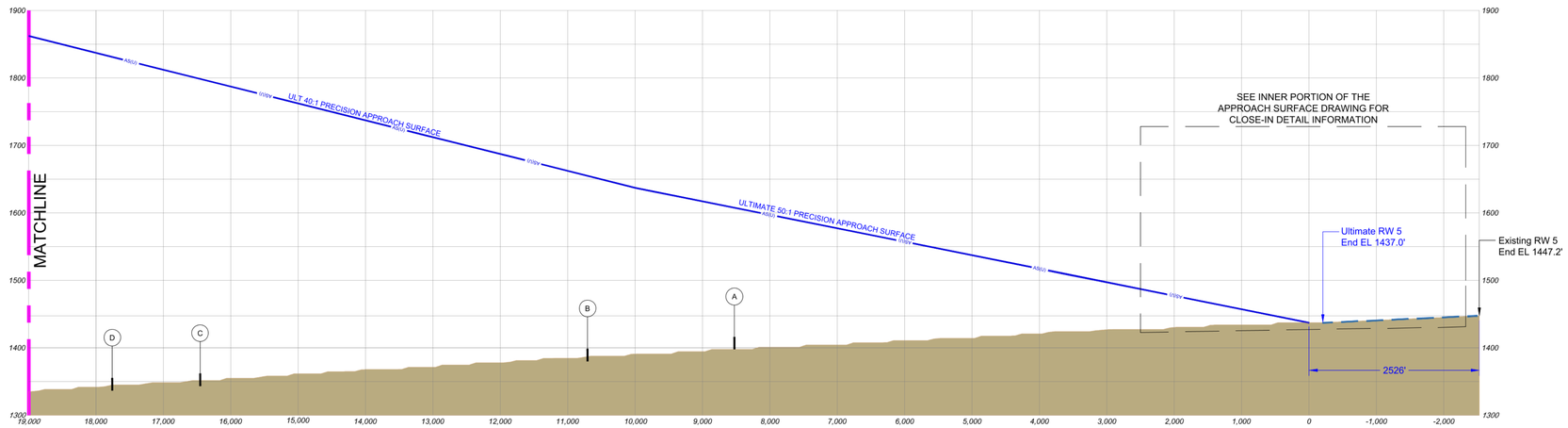
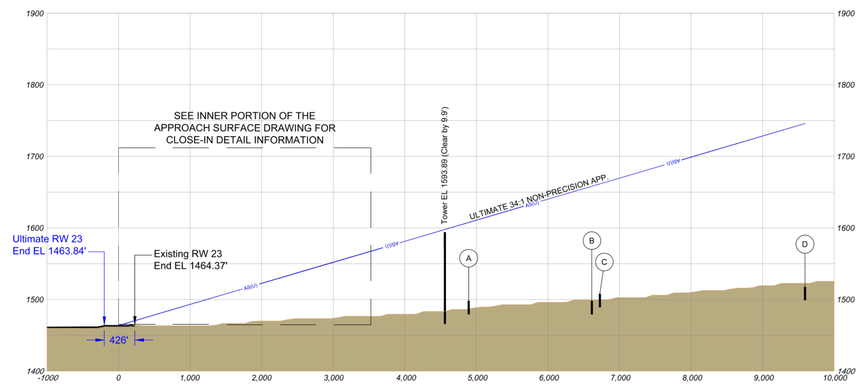


GENERAL NOTES :

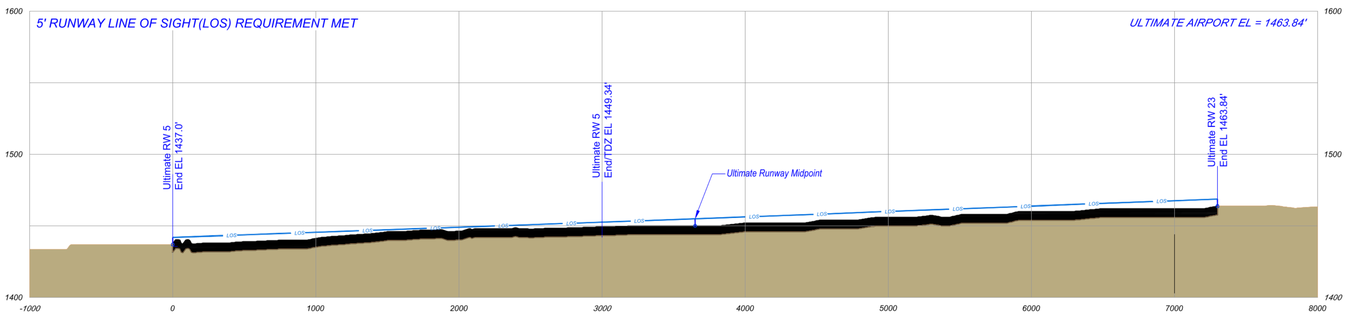
1. HORIZONTAL DATUM: NAD83 – VERTICAL DATUM NAVD88.
2. MAPPING DATA FROM MARTINEZ GEOSPATIAL. SURVEY DATE: 5 /11/2022 .

Runway 5 Approach Obstructions									
ID	Feature	Source	Ground Elevation (ft. msl.)	AGL (ft.)	Elevation (ft. msl.)	FAA Study #	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions									

Ultimate Runway 5 End Road Traverse Points					
ID	Feature	Ground Elevation (ft. msl.)	Adjustment Height (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	Ethington	1,400.92	15	1,415.92	199.58
B	Ethington	1,384.51	15	1,399.51	235.22
C	Ethington	1,364.83	15	1,379.83	286.66
D	Southern Pacific Railroad	1,371.39	23	1,394.39	355.99
E	Southern Pacific Railroad	1,348.43	23	1,371.43	417.42
F	Southern Pacific Railroad	1,338.58	23	1,361.58	446.93
G	Southern Pacific Railroad	1,332.02	23	1,355.02	486.73
H	Southern Pacific Railroad	1,341.86	23	1,364.86	514.68
I	Clayton	1,332.02	15	1,347.02	802.53
J	Midway	1,309.06	15	1,324.06	848.93
K	Midway	1,322.18	15	1,337.18	910.84
L	Midway	1,335.30	15	1,350.30	986.33
M	Indian Valley	1,305.77	15	1,320.77	991.30
N	Indian Valley	1,318.90	15	1,333.90	1,065.27
O	Indian Valley	1,332.02	15	1,347.02	1,159.04



Runway 23 Approach Obstructions									
ID	Feature	Source	Ground Elevation (ft. msl.)	AGL (ft.)	Elevation (ft. msl.)	FAA Study #	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions									



RUNWAY 5-23 PROFILE

0 500 1000
HORIZONTAL SCALE IN FEET

0 50 100
VERTICAL SCALE IN FEET

Runway 23 End Road Traverse Points					
ID	Feature	Ground Elevation (ft. msl.)	Adjustment Height (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	Val Vista	1,482.94	15.00	1,497.94	93.32
B	Trekell	1,482.94	15.00	1,497.94	146.08
C	Val Vista	1,492.78	15.00	1,507.78	141.84
D	Val Vista	1,502.62	15.00	1,517.62	232.01

NO.	REVISIONS	DATE	BY	APP'D.

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AIRPORT AIRSPACE
APPROACH PROFILE RUNWAY 5-23

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 6 OF 14

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Ultimate Runway 5 End Road Traverse Points					
ID	Feature	Ground Elevation (ft. msl.)	Adjustment Height (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	Ethington	1,400.92	15	1,415.92	199.58
B	Ethington	1,384.51	15	1,399.51	235.22
C	Ethington	1,364.83	15	1,379.83	286.66
D	Southern Pacific Railroad	1,371.39	23	1,394.39	355.99
E	Southern Pacific Railroad	1,348.43	23	1,371.43	417.42
F	Southern Pacific Railroad	1,338.58	23	1,361.58	446.93
G	Southern Pacific Railroad	1,332.02	23	1,355.02	486.73
H	Southern Pacific Railroad	1,341.86	23	1,364.86	514.68
I	Clayton	1,332.02	15	1,347.02	802.53
J	Midway	1,309.06	15	1,324.06	848.93
K	Midway	1,322.18	15	1,337.18	910.84
L	Midway	1,335.30	15	1,350.30	986.33
M	Indian Valley	1,305.77	15	1,320.77	991.30
N	Indian Valley	1,318.90	15	1,333.90	1,065.27
O	Indian Valley	1,332.02	15	1,347.02	1,159.04

0 1000 2000
HORIZONTAL SCALE IN FEET

0 100 200
VERTICAL SCALE IN FEET

GENERAL NOTES :

1. HORIZONTAL DATUM: NAD83 – VERTICAL DATUM NAVD88.
2. MAPPING DATA FROM MARTINEZ GEOSPATIAL. SURVEY DATE: 5 /11/2022 .

NO.	REVISIONS	DATE	BY	APP'D.

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AIRPORT AIRSPACE
APPROACH PROFILE RUNWAY 5 - FAN

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 7 OF 14

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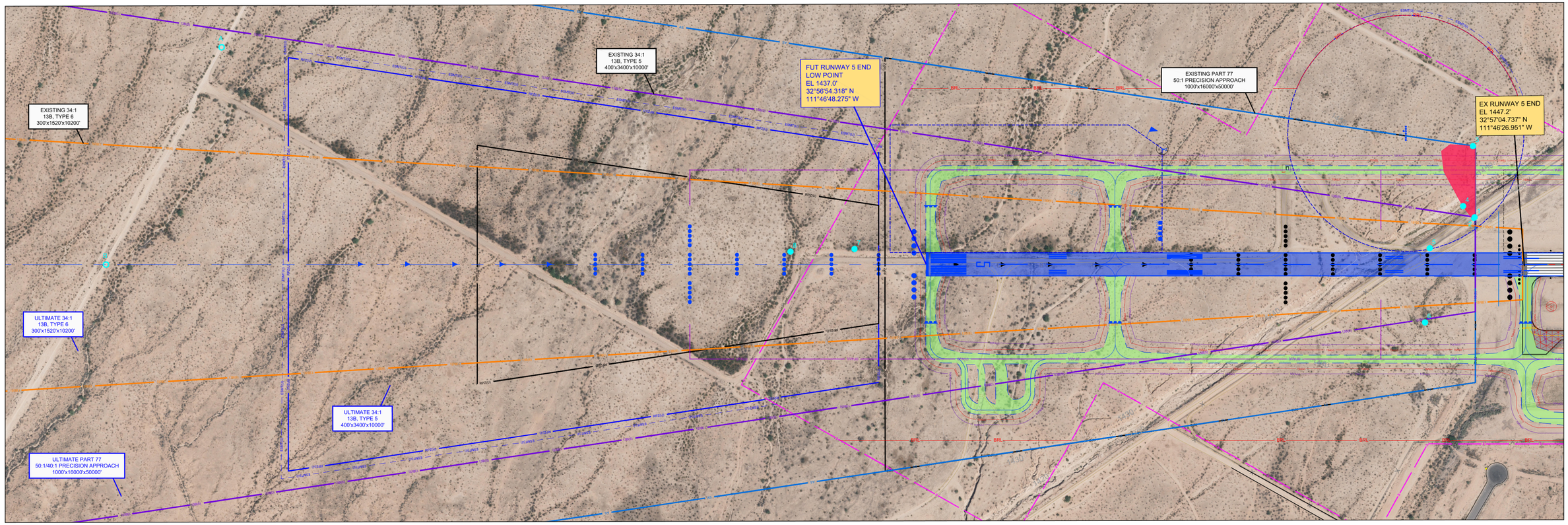

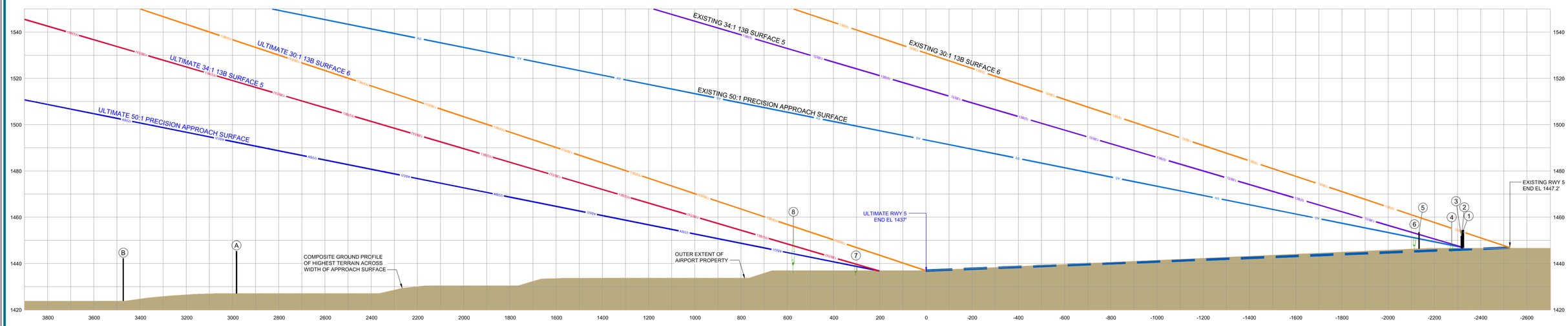

Runway 5 Approach Obstructions

ID	Feature	Source	Ground Elevation (ft. msl.)	AGL (ft.)	Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
1	Fence	Martinez Survey	1449.064	5.47	1454.534	Existing Part 77 Approach	7.31	Relocate Fence
2	Fence	Martinez Survey	1449.034	5.45	1454.484	Existing Part 77 Approach	7.16	Relocate Fence
		Martinez Survey				Existing 13B #5	7.1	
3	Terrain	Martinez Survey	1451.903	0	1451.903	Existing Part 77 Approach	4.49	Re-Grade
4	Tree	Martinez Survey	1438.407	10.53	1448.937	Existing Part 77 Approach	0.65	Remove Tree
5	Fence	Martinez Survey	1448.067	5.52	1453.587	Existing Part 77 Approach	2.53	Relocate Fence
		Martinez Survey				Existing 13B #5	0.71	
6	Tree	Martinez Survey	1442.917	8.65	1451.567	Existing Part 77 Approach	0.08	Remove Tree
7	Tree	Martinez Survey	1435.254	8.24	1443.494	Ultimate Part 77 Approach	4.43	Remove Tree
		Martinez Survey				Ultimate 13B #5	3.45	
8	Tree	Martinez Survey	1433.255	19.31	1452.565	Ultimate Part 77 Approach	8.08	Remove Tree
		Martinez Survey				Ultimate 13B #5	4.56	

Existing Runway 23 Approach Road Points

ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	Burris	1,430.45	15.00	1,445.45	47.22
B	Burris	1,417.32	15.00	1,432.32	70.14

GENERAL NOTES :

1. HORIZONTAL DATUM: NAD83 – VERTICAL DATUM NAVD88.
2. MAPPING DATA FROM MARTINEZ GEOSPATIAL. SURVEY DATE: 5 /11/2022.
3. OBSTRUCTIONS WITHIN GROUPINGS REPRESENT TALLEST MANMADE AND/OR NATURAL AND/OR TERRAIN FEATURE.
4. ULTIMATE OBSTRUCTIONS TO BE REMOVED PRIOR TO CONSTRUCTION OF RUNWAY 5 EXTENSION.

LEGEND

OBSTRUCTION GROUPING

OBSTRUCTION IDENTIFIER

SIGNIFICANT OBJECT

NORTH
TRUE NORTH

Magnetic Declination
09° 45' East
Annual Rate of Change
00° 06' West
(Source: NOAA, NCEI, MAY 2022)

0 200 400
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT
INNER PORTION OF THE APPROACH SURFACE DRAWING
RUNWAY 5
CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 8 OF 14

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Airport Consultants
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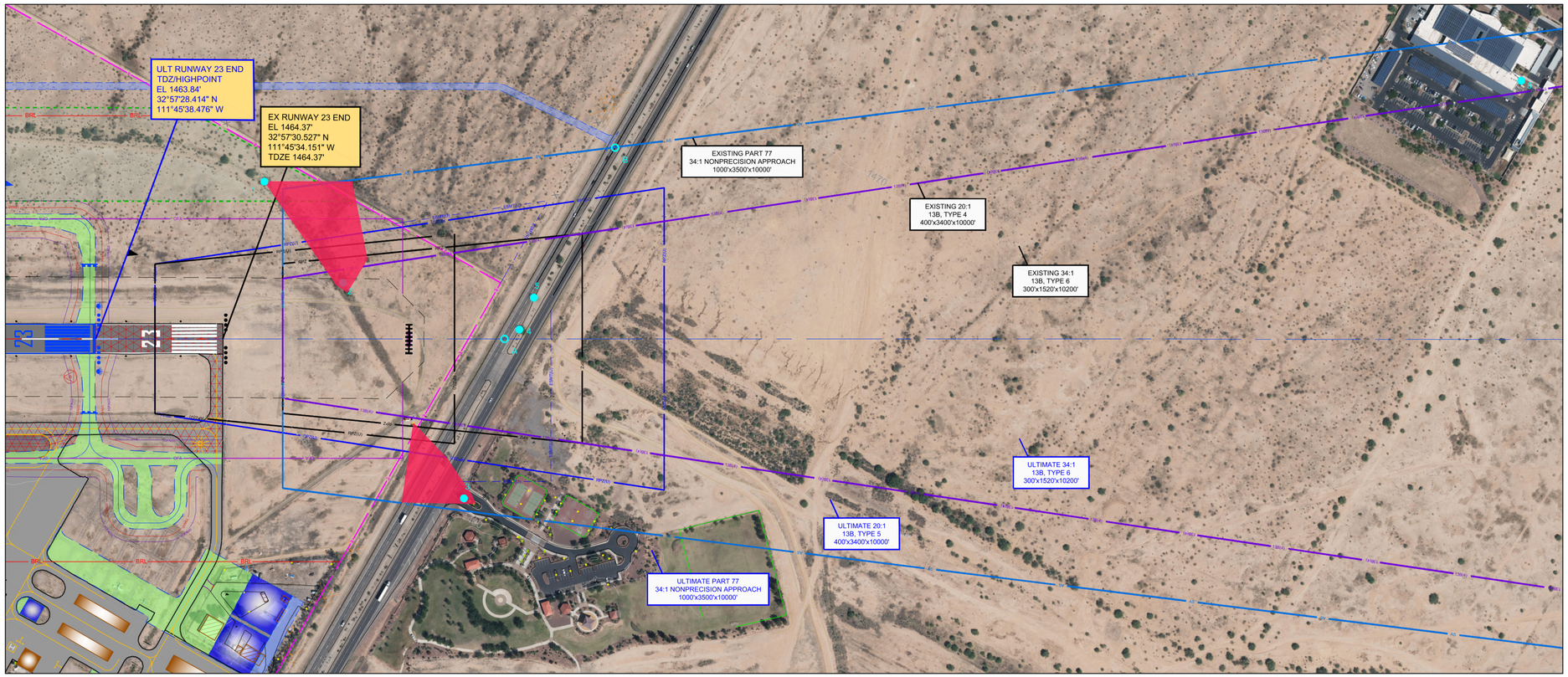
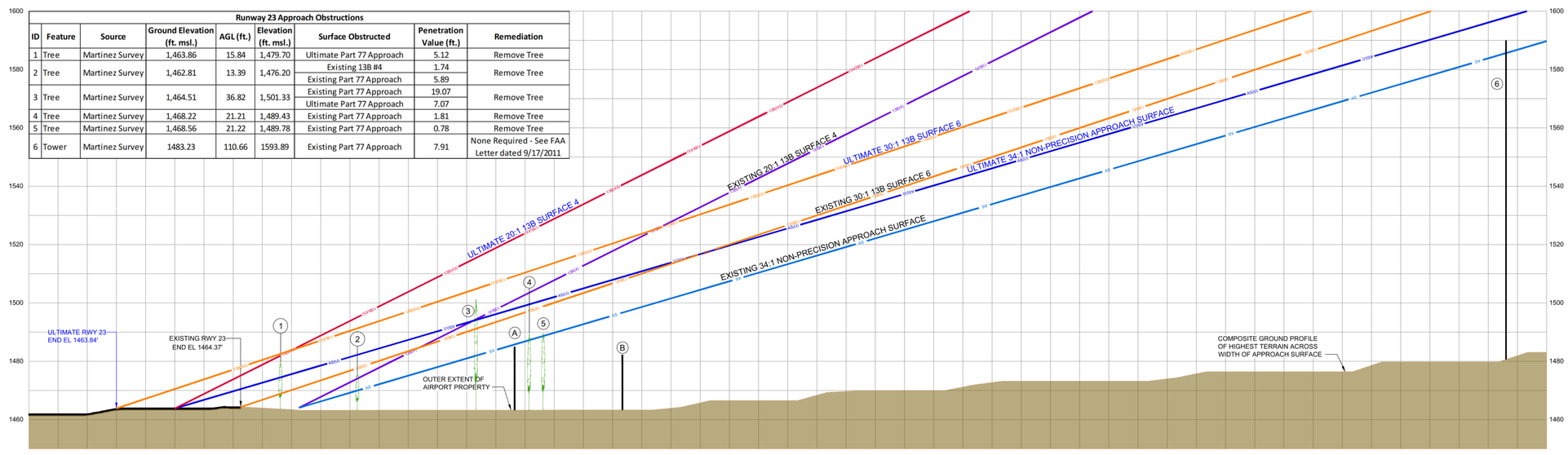


LEGEND

- OBSTRUCTION GROUPING
- OBSTRUCTION IDENTIFIER
- SIGNIFICANT OBJECT

Runway 23 Approach Obstructions

ID	Feature	Source	Ground Elevation (ft. msl.)	AGL (ft.)	Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
1	Tree	Martinez Survey	1,463.86	15.84	1,479.70	Ultimate Part 77 Approach	5.12	Remove Tree
2	Tree	Martinez Survey	1,462.81	13.39	1,476.20	Existing 13B #4	1.74	Remove Tree
						Existing Part 77 Approach	5.89	
3	Tree	Martinez Survey	1,464.51	36.82	1,501.33	Existing Part 77 Approach	19.07	Remove Tree
						Ultimate Part 77 Approach	7.07	
4	Tree	Martinez Survey	1,468.22	21.21	1,489.43	Existing Part 77 Approach	1.81	Remove Tree
5	Tree	Martinez Survey	1,468.56	21.22	1,489.78	Existing Part 77 Approach	0.78	Remove Tree
6	Tower	Martinez Survey	1483.23	110.66	1593.89	Existing Part 77 Approach	7.91	None Required - See FAA Letter dated 9/17/2011



NORTH
MAGNETIC NORTH

Magnetic Declination
09° 45' East
Annual Rate of Change
00° 06' West
(Source: NOAA, NCEI, MAY 2022)

0 20 40
VERTICAL SCALE IN FEET

0 200 400
HORIZONTAL SCALE IN FEET

Existing Runway 23 Approach Road Points

ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	Hwy 387	1,467.25	15.00	1,482.25	3.90
B	Hwy 387	1,470.00	15.00	1,485.00	12.01

General Notes :

1. Horizontal Datum: NAD83 – Vertical Datum NAVD88.
2. Mapping data from Martinez Geospatial. Survey Date: 5 /11/2022.
3. Obstructions within groupings represent tallest manmade and/or natural and/or terrain feature.

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT
INNER PORTION OF THE APPROACH SURFACE DRAWING
RUNWAY 23
CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 9 OF 14

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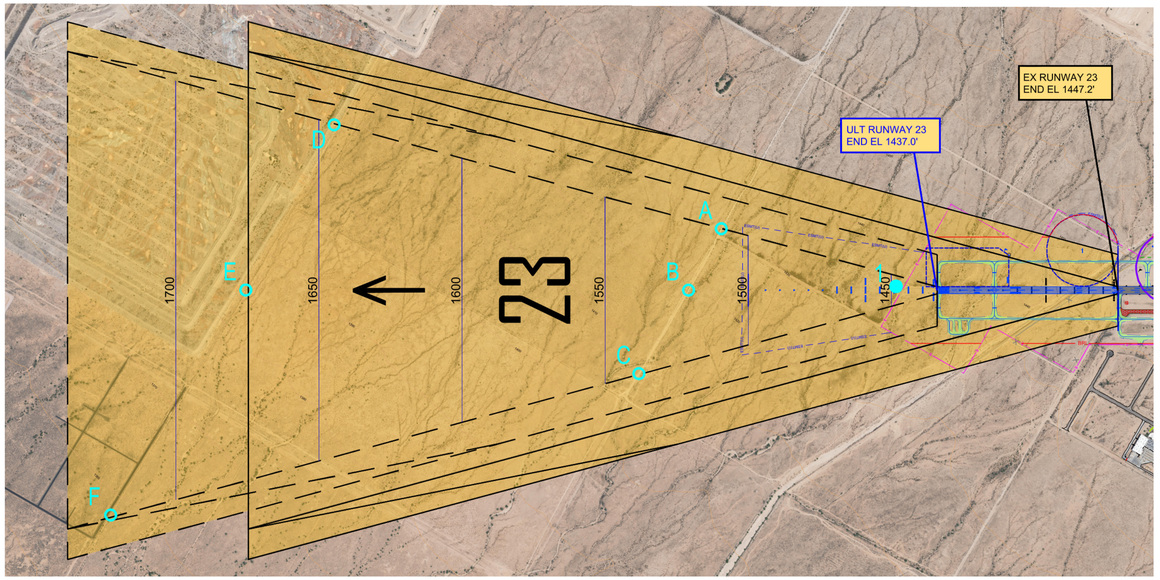
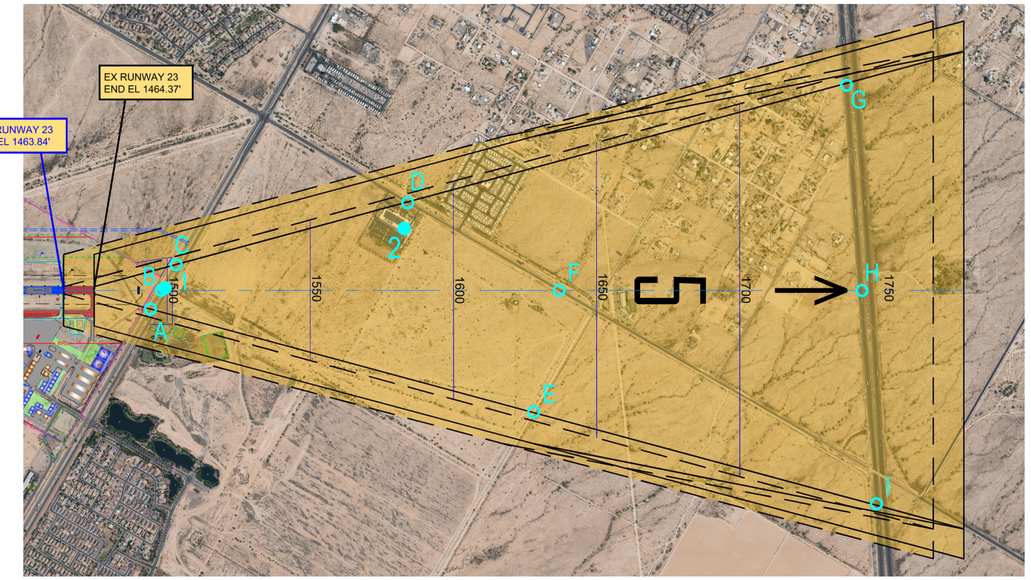
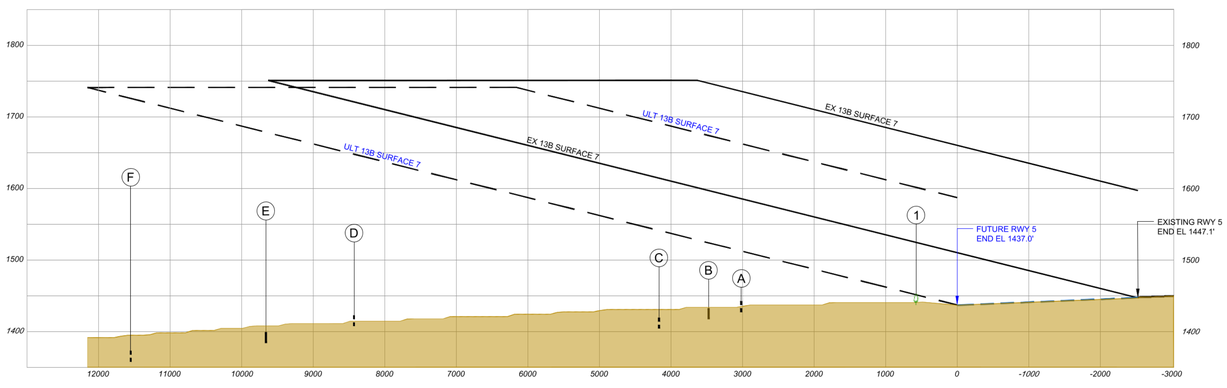
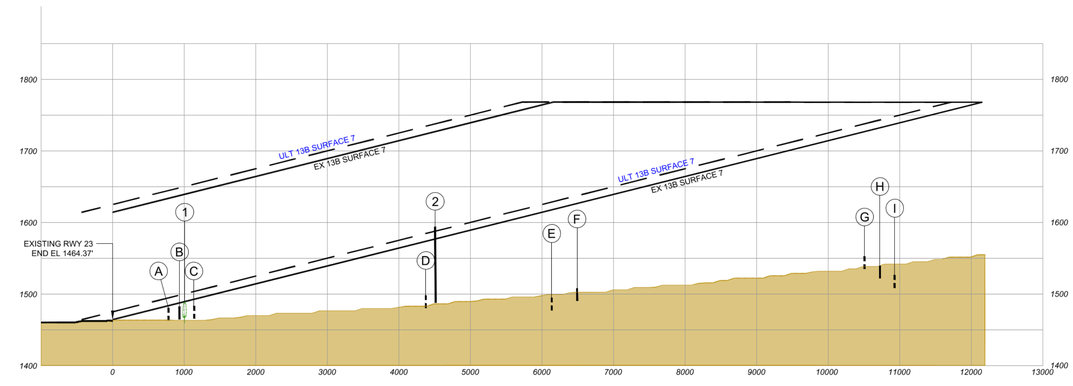




Magnetic Declination
09° 45' East
Annual Rate of Change
00° 06' West
(Source: NOAA, NCEI, MAY 2022)





0 1000 2000
HORIZONTAL SCALE IN FEET

0 100 200
VERTICAL SCALE IN FEET

Previous Runway 5 End Departure Obstructions

ID	Feature	Source	Ground Elevation (ft. msl.)	AGL (ft.)	Elevation (ft. msl.)	FAA Study #	Surface Obstructed	Penetration Value (ft.)	Remediation
1	Tree	Martinez Survey	1433.255	19.31	1452.565	N/A	Ultimate Departure	1.21	Remove Tree

Runway 23 End Departure Obstructions

ID	Feature	Source	Ground Elevation (ft. msl.)	AGL (ft.)	Elevation (ft. msl.)	FAA Study #	Surface Obstructed	Penetration Value (ft.)	Remediation
1	Tree	Martinez Survey	1468.22	21.21	1489.43	N/A	Existing Departure	0.3	Remove Tree
2	Tower	Martinez Survey	1483.23	110.66	1593.89	2011-AWP-2660-OE	Existing Departure	21.15	None Required - See FAA Letter dated 8/17/2011
							Ultimate Departure	11.03	

Ultimate Runway 5 End Departure Road Points

ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	Burris	1,427.17	15.00	1,442.17	70.24
B	Burris	1,417.32	15.00	1,432.32	91.51
C	Burris	1,404.20	15.00	1,419.20	121.96
D	Ethington	1,407.48	15.00	1,422.48	225.22
E	Ethington	1,384.51	15.00	1,399.51	279.00
F	Ethington	1,358.27	15.00	1,373.27	352.43

Existing Runway 23 End Departure Road Points

ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	Hwy 387	1,465.50	15.00	1,480.50	3.58
B	Hwy 387	1,467.25	15.00	1,482.25	5.63
C	Hwy 387	1,468.14	15.00	1,483.14	9.91
D	Val Vista	1,482.94	15.00	1,497.94	76.01
E	Trekell	1,479.66	15.00	1,494.66	123.31
F	Val Vista	1,492.78	15.00	1,507.78	119.05
G	Hwy 10	1,535.43	17.00	1,552.43	174.81
H	Hwy 10	1,522.31	17.00	1,539.31	193.33
I	Hwy 10	1,509.19	17.00	1,526.19	211.53

General Notes :

1. Horizontal Datum: NAD83 – Vertical Datum NAVD88.
2. Mapping data from Martinez Geospatial. Survey Date: 5/11/2022 .

LEGEND

- EXISTING PROPERTY BOUNDARY
- FUTURE PROPERTY BOUNDARY
- OBS # — OBSTRUCTION IDENTIFIER
- A — ROAD IDENTIFIER

NO.	REVISIONS	DATE	BY	APP'D.

CASA GRANDE MUNICIPAL AIRPORT

RUNWAY 5-23
DEPARTURE SURFACE DRAWING

CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 10 OF 14

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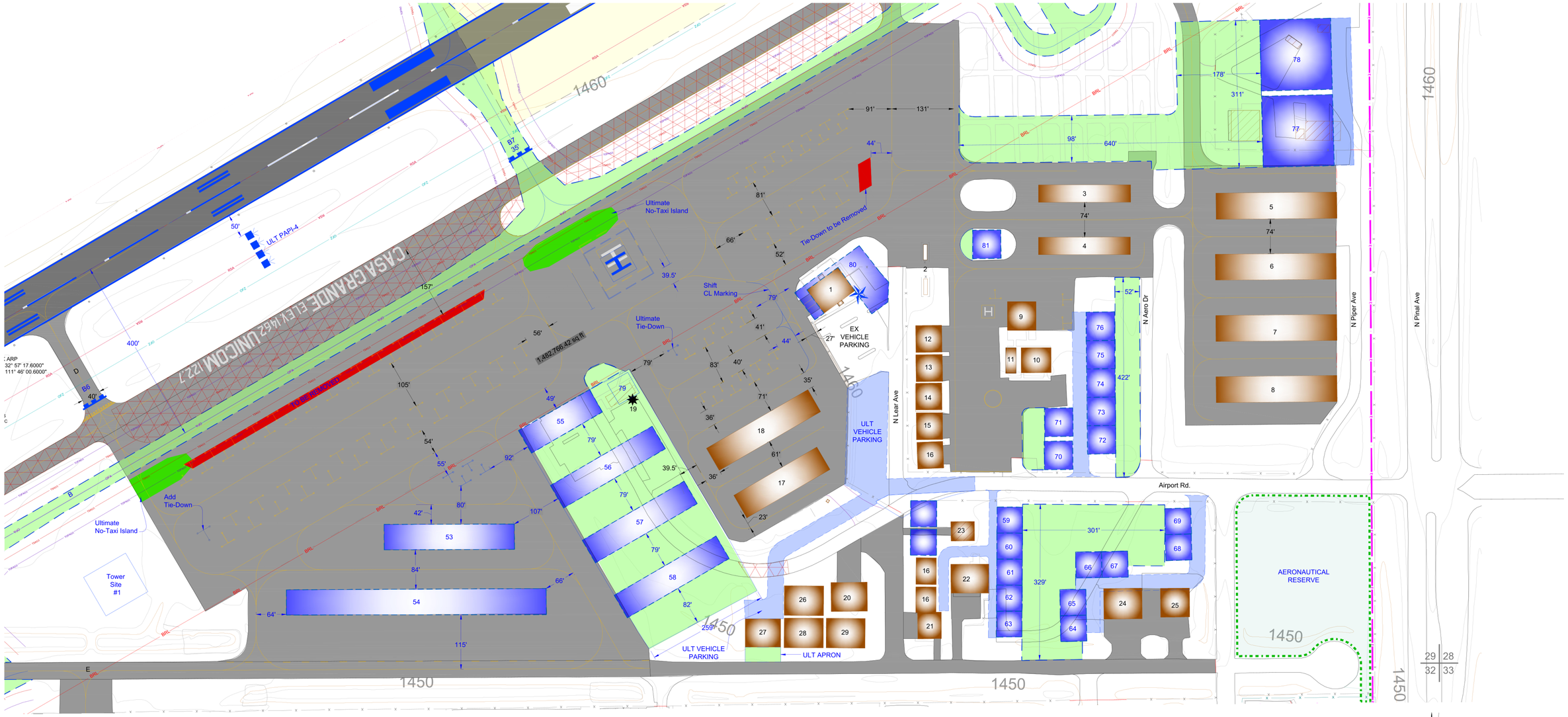

EXISTING AIRPORT FACILITES

#	Facility Name	Top Elevation ft. msl*
1	Terminal	±1,480.7'
2	Fuel Farm	±1,470.1'
3	T-Hangar (6 unit)	±1,475.3'
4	T-Hangar (6 unit)	±1,470.8'
5	T-Hangar (10 unit)	±1,473.6'
6	T-Hangar (10 unit)	±1,473.1'
7	T-Hangar (10 unit)	±1,472.4'
8	T-Hangar (10 unit)	±1,471.4'
9	Executive Hangar	±1,475.7'
10	Specialty Operations	±1,471.0'
11	Specialty Operations	±1,464.1'
12	Executive Hangar	±1,477.9'
13	Executive Hangar	±1,476.8'
14	Executive Hangar	±1,476.4'
15	Executive Hangar	±1,476.1'
16	Executive Hangar	±1,474.9'
17	Shade Hangar (10 unit)	±1,471.6'
18	Shade Hangar (8 unit)	±1,471.5'
19	Rotating Beacon	±1,469.4'
20	Executive Hangar	±1,477.6'
21	Executive Hangar	±1,471.4'
22	Executive Hangar	±1,478.4'
23	Executive Hangar	±1,472.7'
24	Executive Hangar	±1,480.0'
25	Executive Hangar	±1,477.6'
26	Executive Hangar	±1,477.6'
27	Executive Hangar	±1,477.6'
28	Executive Hangar	±1,477.6'
29	Executive Hangar	±1,477.6'

ULTIMATE AIRPORT FACILITIES

#	Facility Name	Top Elevation ft. msl*
53	10 unit T-Hangar	±1482'
54	24 unit T-Hangar	±1482'
55	10 unit Shade Hangars	±1482'
56	10 unit Shade Hangars	±1482'
57	10 unit Shade Hangars	±1482'
58	10 unit Shade Hangars	±1482'
59	55'x55' Executive Hangar	±1477'
60	55'x55' Executive Hangar	±1477'
61	55'x55' Executive Hangar	±1477'
62	55'x55' Executive Hangar	±1477'
63	55'x55' Executive Hangar	±1477'
64	55'x55' Executive Hangar	±1477'
65	55'x55' Executive Hangar	±1477'
66	55'x55' Executive Hangar	±1477'
67	55'x55' Executive Hangar	±1477'
68	55'x55' Executive Hangar	±1477'
69	55'x55' Executive Hangar	±1477'
70	60'x60' Executive Hangar	±1477'
71	60'x60' Executive Hangar	±1477'
72	60'x60' Executive Hangar	±1477'
73	60'x60' Executive Hangar	±1477'
74	60'x60' Executive Hangar	±1477'
75	60'x60' Executive Hangar	±1477'
76	60'x60' Executive Hangar	±1477'
77	150'x150' Conventional Hangar	±1482'
78	150'x150' Conventional Hangar	±1482'
79	Aircraft Wash Rack	±1456'
80	Terminal Expansion/Rotating Beacon	±1480'
81	Airport Operation	±1477'

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
	SAME	AIRPORT PROPERTY LINE
N/A		AVIATION RESERVE
		SECTION CORNERS
		AIRPORT ROTATING BEACON
		BUILDING RESTRICTION LINE (35')
		STRUCTURES ON AIRPORT
N/A		ABANDON/REMOVE STRUCTURE
N/A		ABANDON/REMOVE PAVEMENT
	SAME	RUNWAY PAVEMENT
		TAXIWAY APRON PAVEMENT
		FENCE LINE
		HOLD MARKING
		RUNWAY MARKING
		TAXIWAY APRON MARKING
		ROADS AND PARKING PAVEMENT
DESIGNATION		SURVEY MONUMENT WITH IDENTIFIER
OFA	OFA(U)	OBJECT FREE AREA
RSA	RSA(U)	RUNWAY SAFETY AREA
OFZ	OFZ(U)	OBSTACLE FREE ZONE
RPZ	RPZ(U)	RUNWAY PROTECTION ZONE
TOFA	TOFA (U)	TAXIWAY OBJECT FREE AREA
TSA	TSA (U)	TAXIWAY SAFETY AREA
		TIE-DOWNS
		PAPI-4
		NO TAXI ISLAND
N/A		MARKINGS TO BE REMOVED

General Notes :

1. Horizontal Datum: N AD83 – Vertical Datum NAVD88.
2. Mapping data from Martinez Geospatial. Survey Date: 5/11/2022.

NORTH
MAGNETIC NORTH

Magnetic Declination
09° 45' East
Annual Rate of Change
00° 06' West
(Source: NOAA, NCEI, MAY 2022)

0 100 200
SCALE IN FEET

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT

SOUTH TERMINAL AREA DRAWING

CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023 SHEET 11 OF 14

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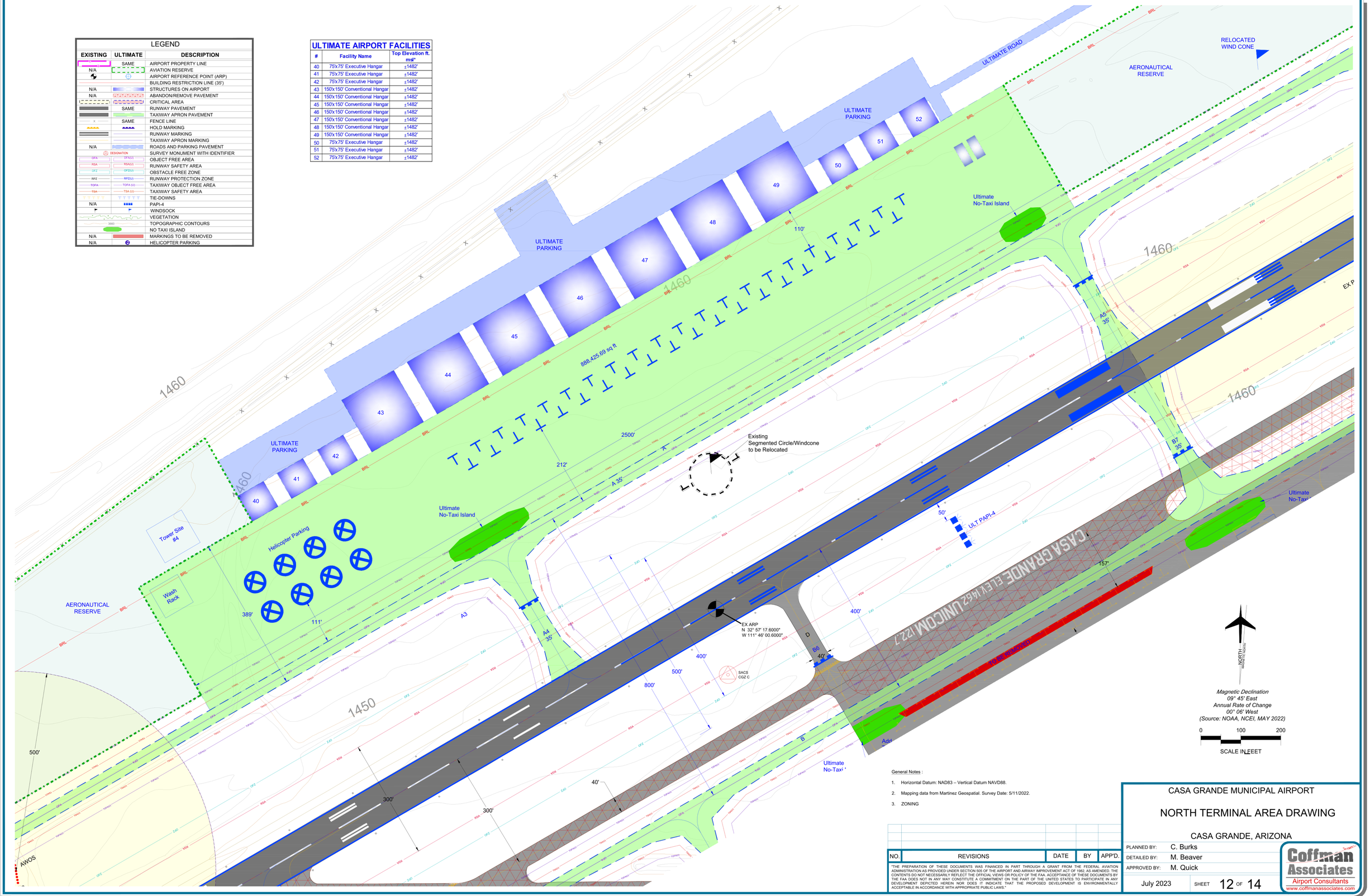
LEGEND

EXISTING	ULTIMATE	DESCRIPTION
	SAME	AIRPORT PROPERTY LINE
N/A		AVIATION RESERVE
		AIRPORT REFERENCE POINT (ARP)
		BUILDING RESTRICTION LINE (35')
N/A		STRUCTURES ON AIRPORT
N/A		ABANDON/REMOVE PAVEMENT
		CRITICAL AREA
	SAME	RUNWAY PAVEMENT
		TAXIWAY APRON PAVEMENT
	SAME	FENCE LINE
		HOLD MARKING
		RUNWAY MARKING
		TAXIWAY APRON MARKING
N/A		ROADS AND PARKING PAVEMENT
	DESIGNATION	SURVEY MONUMENT WITH IDENTIFIER
OFA	OFA(U)	OBJECT FREE AREA
RSA	RSA(U)	RUNWAY SAFETY AREA
OFZ	OFZ(U)	OBSTACLE FREE ZONE
RPZ	RPZ(U)	RUNWAY PROTECTION ZONE
TOFA	TOFA (U)	TAXIWAY OBJECT FREE AREA
TSA	TSA (U)	TAXIWAY SAFETY AREA
		TIE-DOWNS
N/A		PAPI-4
		WINDSOCK
		VEGETATION
	3660	TOPOGRAPHIC CONTOURS
		NO TAXI ISLAND
N/A		MARKINGS TO BE REMOVED
N/A		HELICOPTER PARKING

ULTIMATE AIRPORT FACILITIES

#	Facility Name	Top Elevation ft. msl*
40	75'x75' Executive Hangar	±1482'
41	75'x75' Executive Hangar	±1482'
42	75'x75' Executive Hangar	±1482'
43	150'x150' Conventional Hangar	±1482'
44	150'x150' Conventional Hangar	±1482'
45	150'x150' Conventional Hangar	±1482'
46	150'x150' Conventional Hangar	±1482'
47	150'x150' Conventional Hangar	±1482'
48	150'x150' Conventional Hangar	±1482'
49	150'x150' Conventional Hangar	±1482'
50	75'x75' Executive Hangar	±1482'
51	75'x75' Executive Hangar	±1482'
52	75'x75' Executive Hangar	±1482'



General Notes :

1. Horizontal Datum: NAD83 – Vertical Datum NAVD88.
2. Mapping data from Martinez Geospatial. Survey Date: 5/11/2022.
3. ZONING

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT

NORTH TERMINAL AREA DRAWING

CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

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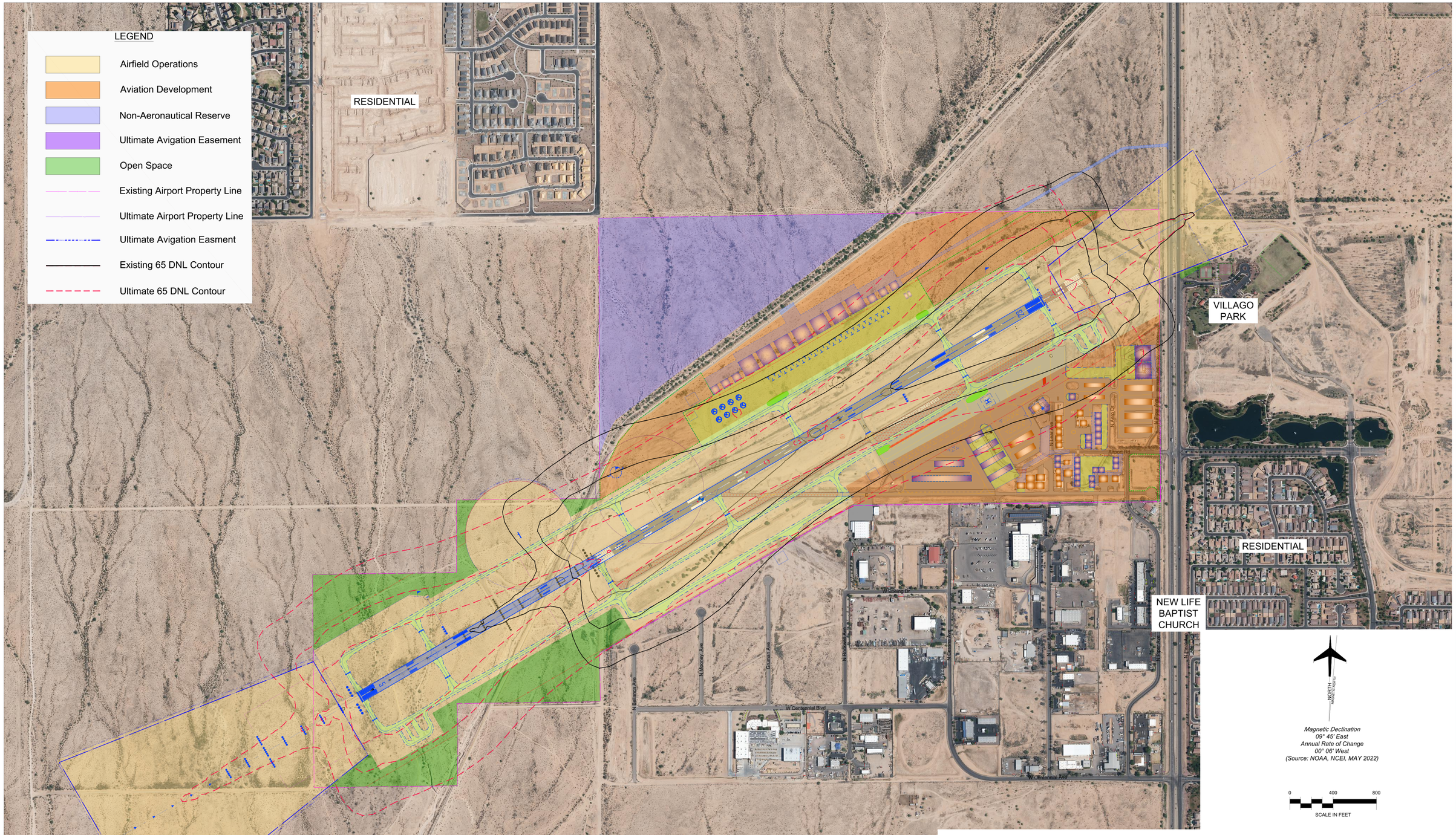

General Notes :

1. Horizon tal Datum: NAD83 – Vertical Datum NAVD88.
2. Mapping data from Martinez Geospatial. Survey Date: 5/11/2022 .

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT

AIRPORT LAND USE DRAWING

CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023

SHEET 13 OF 14

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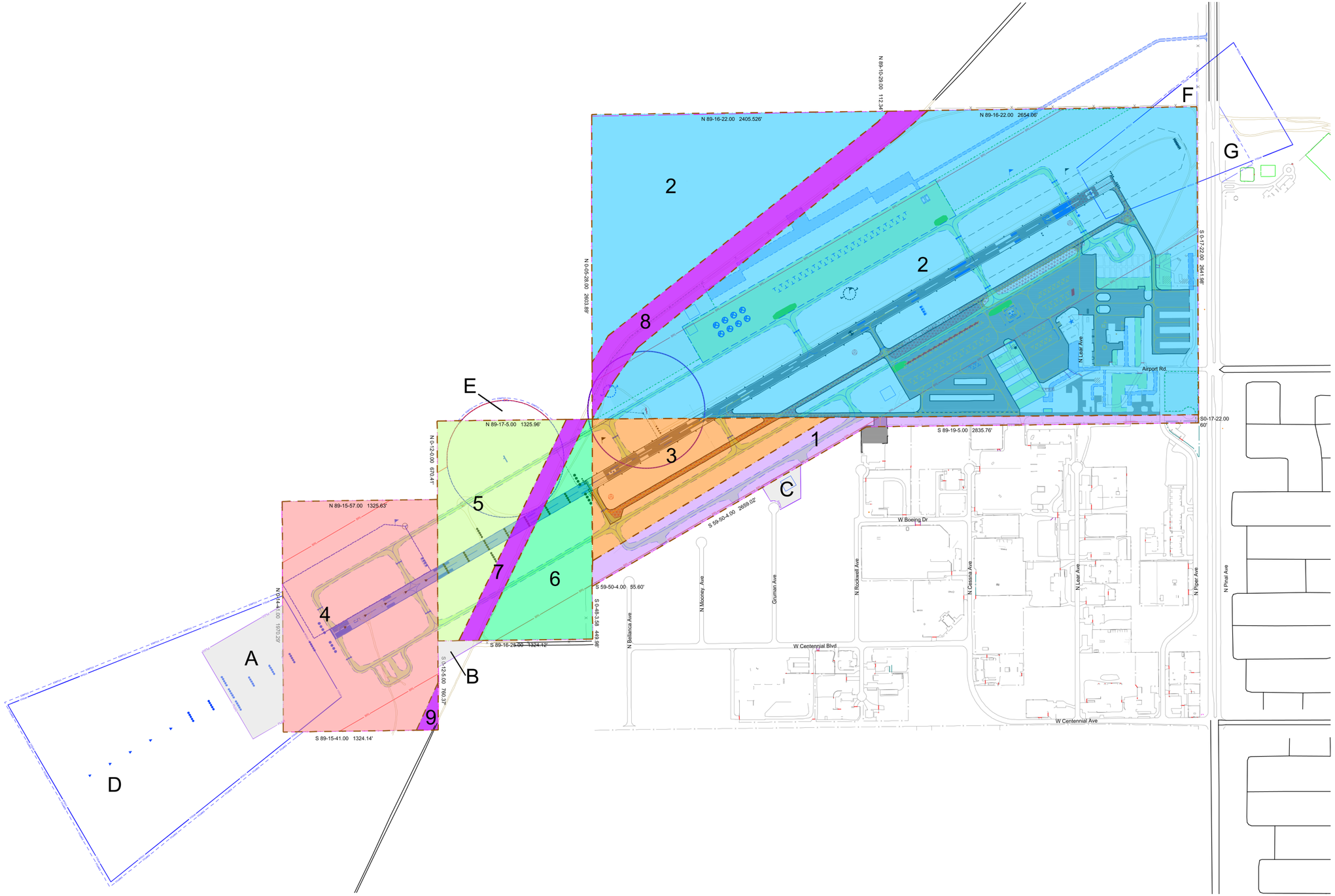

Property To Be Acquired		
Tract ID	Type	Acreage
A	Future Property	10.9
B	Future Property	1.60
C	Future Property	0.97
D	Future Avigation Easement	64.98
E	Future Avigation Easement	2.25
F	Future Avigation Easement	1.50
G	Future Clear Zone Easement	1.95

Tract/Parcel ID	Grantor	Interest Type	Acreage	Intrument	Book/Page	FAA Grant #	Easment	Date	Current Parcel ID	Purpose of Acquisition
1	Unavailable	Fee Simple	14.88	Plat	1650/398	N/A	N/A	6/26/2007	509810810	Airport Development
2	Unavailable	Fee Simple	299.5	Quit Clain Deed	178/29	N/A	N/A	6/1/1956	509460050	Airport Development
3	Unavailable	Fee Simple	30.72	Quit Clain Deed	179/29	N/A	N/A	6/1/1956	509810810	Airport Development
4	Unavailable	Fee Simple	59.15	Warranty Deed	1069/283	N/A	N/A	6/26/1981	50947001G	Airport Development
5	Unavailable	Fee Simple	23.17	Warranty Deed	1069/283	N/A	N/A	6/27/1981	50947001C	Airport Development
6	Unavailable	Fee Simple	21.58	Warranty Deed	1069/283	N/A	N/A	6/8/1981	50947001D	Airport Development
7	Unavailable	Fee Simple	7.33	Right of Way	1117/658	N/A	ROW	5/26/1982	509477000	Right of Way
8	Unavailable	Fee Simple	18.91	Right of Way	1148/251	N/A	ROW	1/21/1983	509467000	Right of Way
9	Unavailable	Fee Simple	0.78	Right of Way	1117/658	N/A	ROW	5/26/1982	509477000	Right of Way

General Notes:

1. Horizontal Datum: NAD83 – Vertical Datum NAVD88.
2. Mapping data from Martinez Geospatial. Survey Date: 5/11/2022.
3. As part of the ALP Update, property information including deed records were consulted to complete the "Exhibit A" Property Map in accordance with the SOP 3.00. The above information represents these findings.

NO.	REVISIONS	DATE	BY	APP'D.

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CASA GRANDE MUNICIPAL AIRPORT

EXHIBIT "A"
AIRPORT PROPERTY INVENTORY MAP

CASA GRANDE, ARIZONA

PLANNED BY: C. Burks
DETAILED BY: M. Beaver
APPROVED BY: M. Quick

July 2023

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