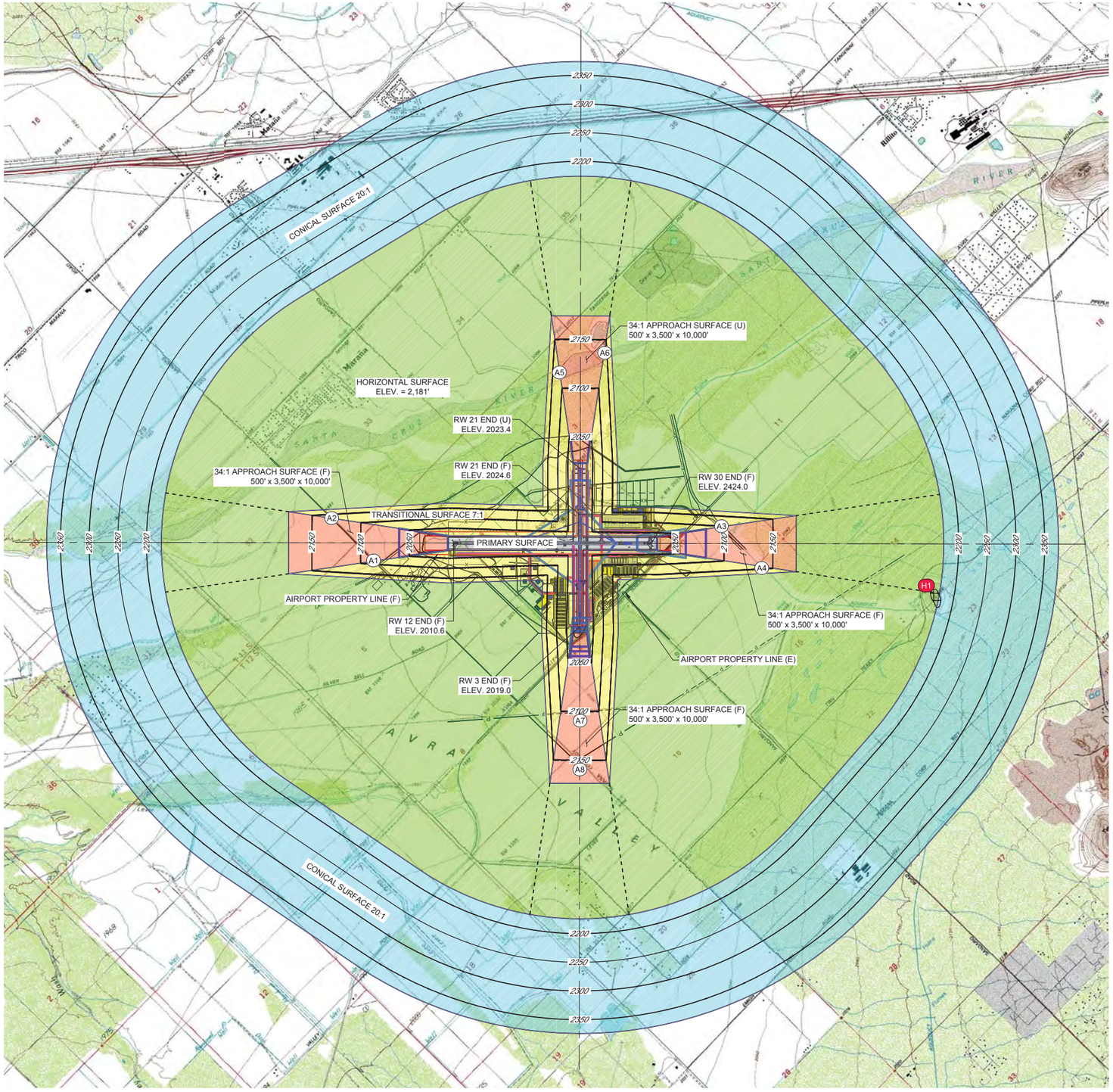
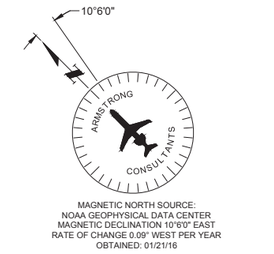




LEGEND

- HORIZONTAL SURFACE
- TRANSITIONAL SURFACE
- CONICAL SURFACE
- APPROACH SURFACE
- PRIMARY SURFACE
- TERRAIN PENETRATION

NOTES

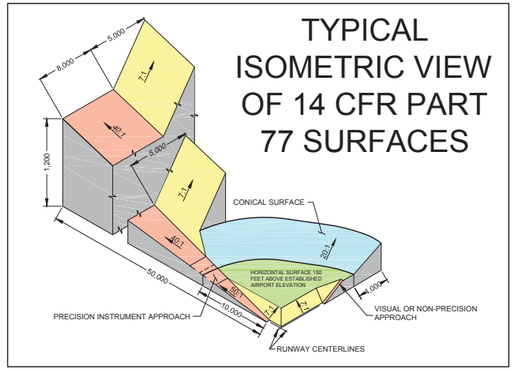
A. REFER TO "INNER PORTION OF THE APPROACH SURFACE" DRAWINGS FOR DETAILS ON ANY CLOSE-IN APPROACH PENETRATIONS.

B. NO LOCAL ZONING REQUIREMENTS. 14 CFR PART 77 REQUIRES CONSTRUCTION ON OR NEAR AIRPORT TO REQUEST FAA AIRSPACE ANALYSIS. AN FAA FORM 7460-1, "NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION" MUST BE SUBMITTED FOR ANY CONSTRUCTION OR ALTERATION (INCLUDING HANGARS AND OTHER ON-AIRPORT AND OFF-AIRPORT STRUCTURES, TOWERS, ETC.) WITHIN 20,000 HORIZONTAL FEET OF THE AIRPORT GREATER IN HEIGHT THAN AN IMAGINARY SURFACE EXTENDING OUTWARD AND UPWARD FROM THE RUNWAY AT A SLOPE OF 100 TO 1 OR GREATER IN HEIGHT THAN 200 FEET ABOVE GROUND LEVEL.

C. ALL SURFACES BASED ON FUTURE AND ULTIMATE CONDITIONS.

D. PENETRATIONS WERE IDENTIFIED USING AN INQUIRY OF THE FAA OE/AAA DATABASE AND A AGIS SURVEY BY WOOLPERT, INC. DATED 10/2015 (SEE OBSTRUCTION CHART).

TYPICAL ISOMETRIC VIEW OF 14 CFR PART 77 SURFACES



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MARANA REGIONAL AIRPORT
MARANA, ARIZONA

ADOT No. E5S3N
AIRPORT LAYOUT PLAN

No.	Project No.	Date	Revision / Description	File	Drwn.	Chkd	Apprvd
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0	156295	09/2016	ORIGINAL ISSUE	6259504	GMR	CRM	JZP

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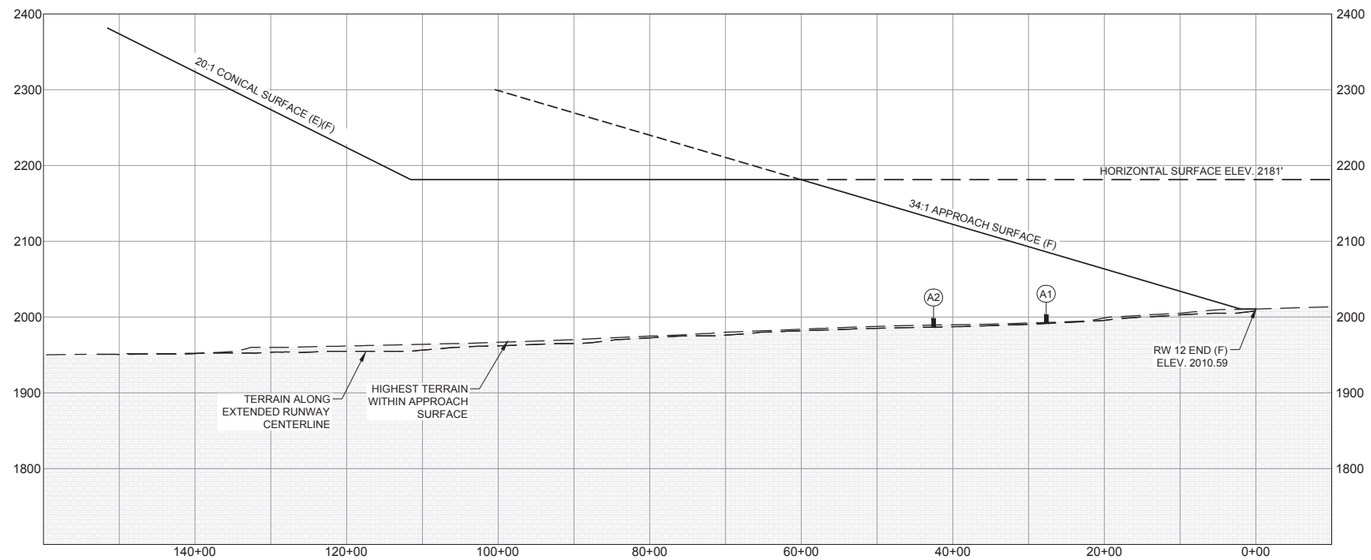
14 CFR PART 77 AIRSPACE DRAWING

OBSTRUCTION CHART

PART 77 SURFACE	ITEM No.	DESCRIPTION	GROUND ELEVATION (MSL)(FEET)	ESTIMATED TOP ELEVATION (MSL)(FEET)	PENETRATION (FEET)	DISPOSTITION
PRIMARY	P	NONE	-	-	-	-
APPROACH	A1	*ROAD	1993	2003	NONE	-
	A2	* ROAD	1985	1995	NONE	-
	A3	* AQUADUCT	2037	2037	NONE	-
	A4	* AQUADUCT	2040	2040	NONE	-
	A5	* RIVER	2000	2000	NONE	-
	A6	* RIVER	2004	2004	NONE	-
	A7	** OV PWR (E)	2010	2054	NONE	
	A8	* OV PWER (F)	2007	2141	NONE	
7:1 TRANSITIONAL	T	NONE	-	-	-	-
APPROACH	H1	* TERRAIN	2086	2220	+26	SEE NOTE 1
20:1 CONICAL	C	NONE	-	-	-	-

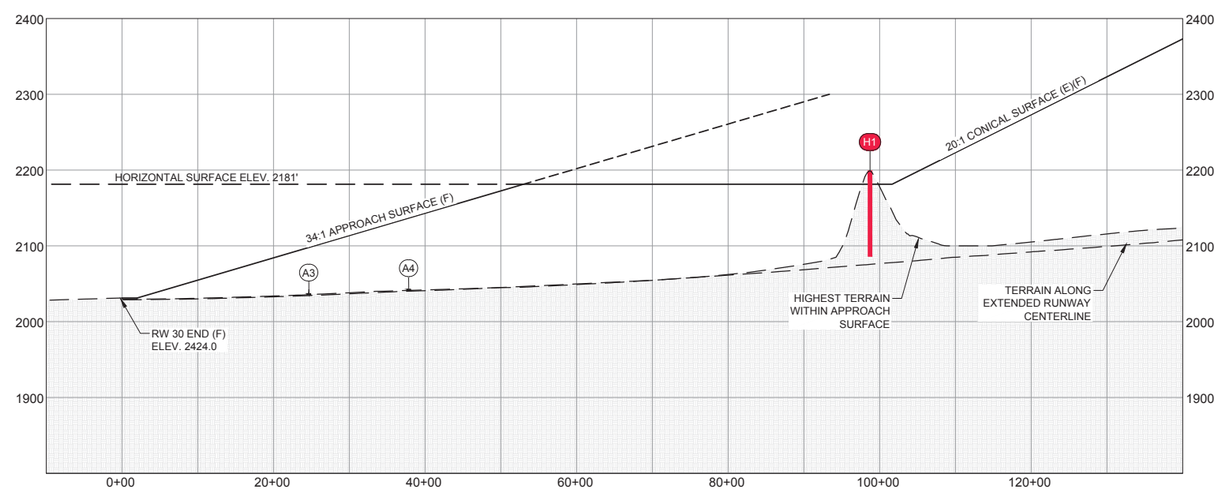
NOTES:

1. SURFACE PENETRATIONS: LOWER, MARK AND LIGHT, OR REMOVE PER FAA FLIGHT PROCEDURES OFFICE DETERMINATIONS.
2. SEE INNER APPROACH DRAWINGS FOR OBSTRUCTIONS TO RPZ.
3. * ESTIMATED SURFACE ELEVATION FROM USGS DIGITAL ELEVATION MODEL, OBJECT HEIGHT ESTIMATED FOR TOP ELEVATION.
4. ** OBJECT PENETRATIONS WERE IDENTIFIED USING THE FAA OE/AAA DATABASE AND AN AGIS SURVEY BY WOOLPERT, INC. DATED 10/2015. DETERMINATION FROM FAA OE/AAA DATABASE.
5. AIRPORT ELEVATION: 2031.50'



RUNWAY 12 END PROFILE (F)

SCALE: PER GRID



RUNWAY 30 END PROFILE (F)

SCALE: PER GRID

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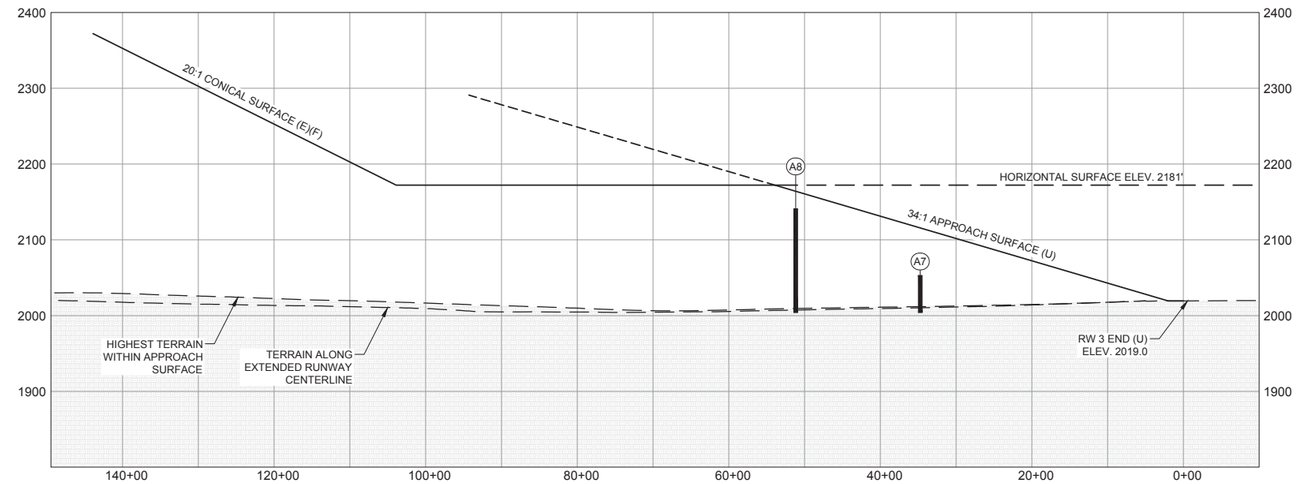
14 CFR
PART 77
PROFILES

OBSTRUCTION CHART

PART 77 SURFACE	ITEM No.	DESCRIPTION	GROUND ELEVATION (MSL)(FEET)	ESTIMATED TOP ELEVATION (MSL)(FEET)	PENETRATION (FEET)	DISPOSTITION
PRIMARY	P	NONE	-	-	-	-
APPROACH	A1	*ROAD	1993	2003	NONE	-
	A2	* ROAD	1985	1995	NONE	-
	A3	* AQUADUCT	2037	2037	NONE	-
	A4	* AQUADUCT	2040	2040	NONE	-
	A5	* RIVER	2000	2000	NONE	-
	A6	* RIVER	2004	2004	NONE	-
	A7	** OH PWR (E)	2010	2054	NONE	
	A8	* OH PWER (F)	2007	2141	NONE	
7:1 TRANSITIONAL	T	NONE	-	-	-	-
APPROACH	H1	* TERRAIN	2220	2220	+26	SEE NOTE 1
20:1 CONICAL	C	NONE	-	-	-	-

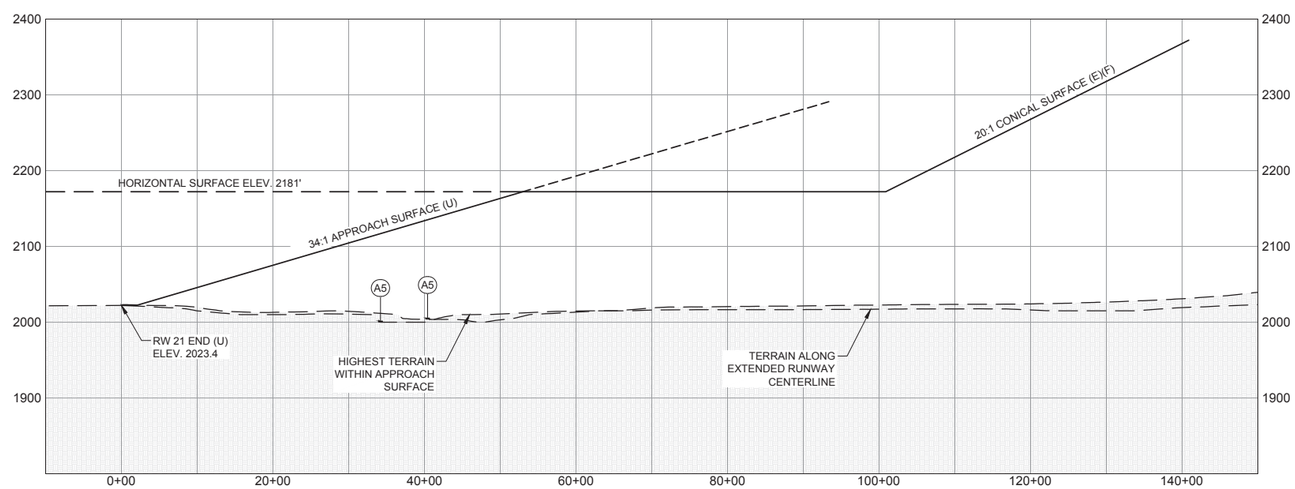
NOTES:

1. SURFACE PENETRATIONS: LOWER, MARK AND LIGHT, OR REMOVE PER FAA FLIGHT PROCEDURES OFFICE DETERMINATIONS.
2. SEE INNER APPROACH DRAWINGS FOR OBSTRUCTIONS TO RPZ.
3. * ESTIMATED SURFACE ELEVATION FROM USGS DIGITAL ELEVATION MODEL, OBJECT HEIGHT ESTIMATED FOR TOP ELEVATION.
4. ** OBJECT PENETRATIONS WERE IDENTIFIED USING THE FAA OE/AAA DATABASE AND AN AGIS SURVEY BY WOOLPERT, INC. DATED 10/2015. DETERMINATION FROM FAA OE/AAA DATABASE.
5. AIRPORT ELEVATION: 2031.50'



RUNWAY 3 END PROFILE (F)

SCALE: PER GRID



RUNWAY 21 END PROFILE (U)

SCALE: PER GRID

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MARANA, ARIZONA

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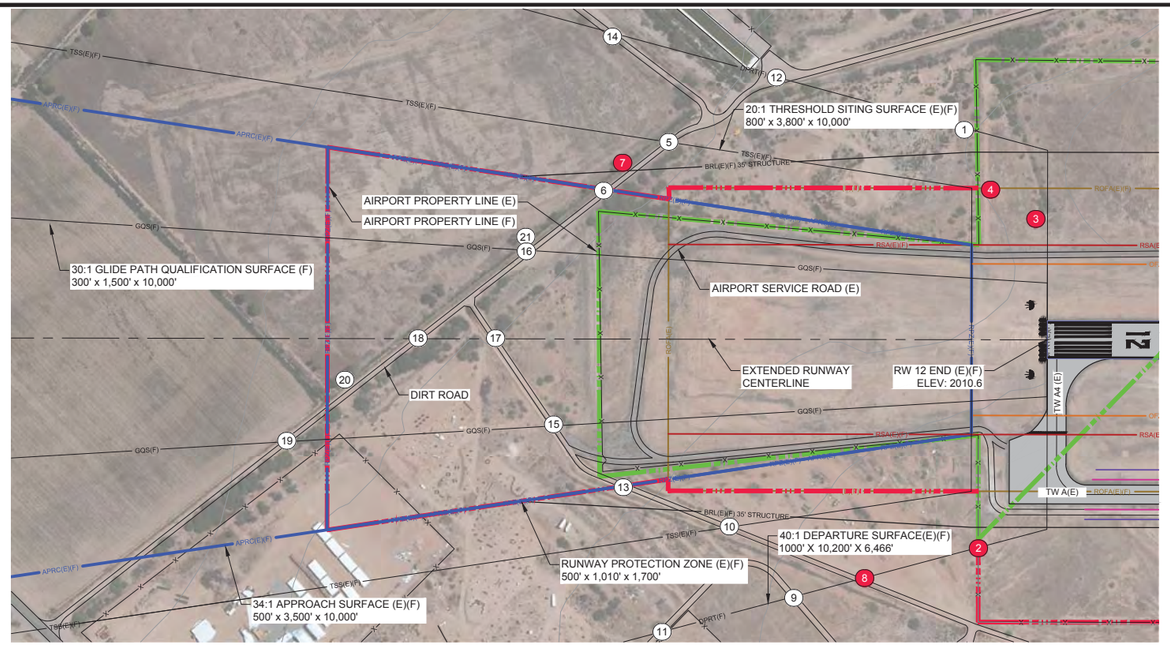
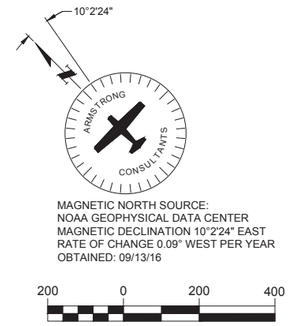
14 CFR
PART 77
PROFILES



PLAN

SCALE: PER BAR SCALE



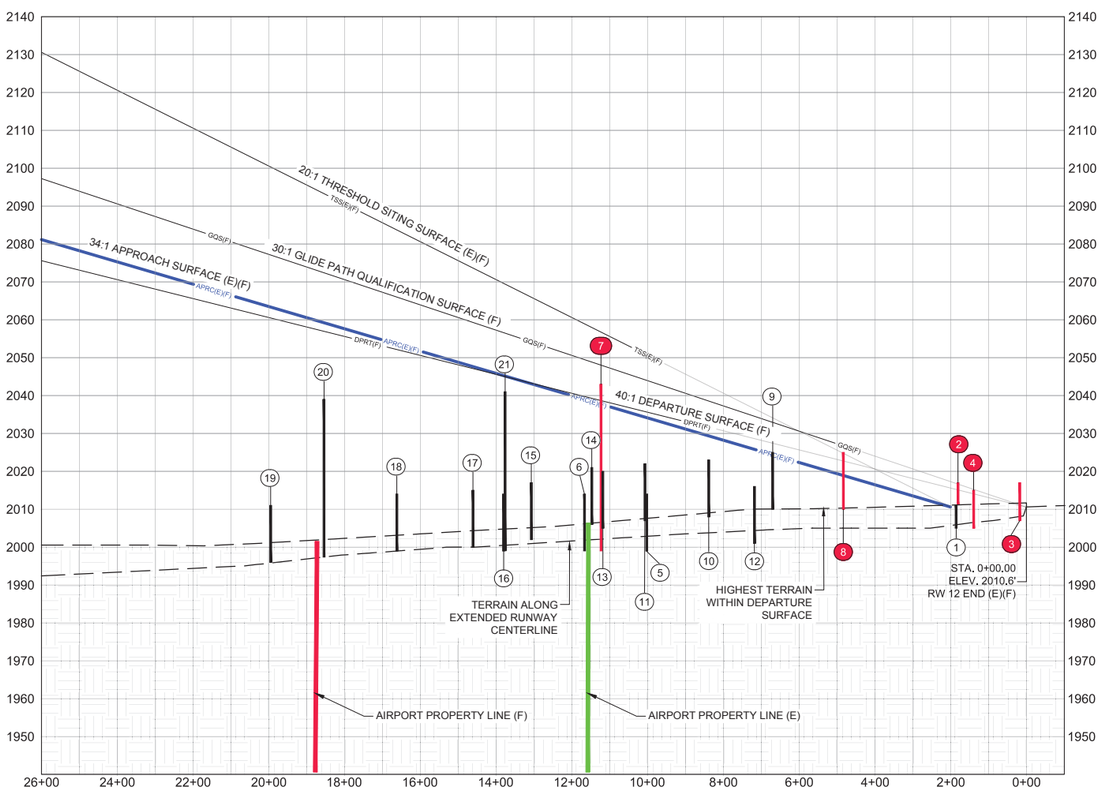
OBJECTS WITHIN RUNWAY 12 GQS, APRC, TSS AND DEPARTURE SURFACES (E)(F)

No.	OBJECT	EST. OBJECT HT.	TOP ELEV. (MSL)	30:1 GQS PEN.	20:1 TSS PEN.	34:1 APRC SURFACE PEN.	40:1 DPRT PEN.	REMARKS
1	*FENCE	6'	2011'	-	-	-	NONE	
2	**FENCE	6'	2017'	-	-	-	+2'	NOTE 2
3	**TREE	10'	2017'	-	-	-	+6'	NOTE 2
4	**TREE	10'	2015'	-	-	-	+1'	NOTE 2
5	*ROAD	15'	2014'	-	NONE	-	NONE	
6	*ROAD	15'	2014'	-	NONE	NONE	NONE	
7	**TREE	43'	2009'	-	NONE	-	+4'	NOTE 2
8	*ROAD	15'	2025'	-	-	-	+2'	NOTE 2
9	*ROAD	15'	2025'	-	-	-	NONE	
10	*ROAD	15'	2023'	-	NONE	-	NONE	
11	*ROAD	15'	2022'	-	-	-	NONE	
12	*ROAD	15'	2016'	-	-	-	NONE	
13	*ROAD	15'	2020'	-	NONE	NONE	NONE	
14	*ROAD	15'	2021'	-	-	-	NONE	
15	*ROAD	15'	2017'	NONE	NONE	NONE	NONE	
16	*ROAD	15'	2014'	NONE	NONE	NONE	NONE	
17	*ROAD	15'	2015'	NONE	NONE	NONE	NONE	
18	*ROAD	15'	2014'	NONE	NONE	NONE	NONE	
19	*ROAD	15'	2011'	NONE	NONE	NONE	NONE	
20	**TREE	41'	2039'	NONE	NONE	NONE	NONE	
21	**TREE	42'	2041'	-	NONE	NONE	NONE	

NOTE: OBJECT ELEVATIONS IN FEET MSL (VERTICAL DATUM NAVD88).
* = OBJECT ELEVATIONS ARE ESTIMATED AND NOT BASED ON A SURVEY.
** = OBJECT TOP ELEVATIONS AND LOCATIONS ARE BASED ON A SURVEY BY: WOOLPERT, INC., DATED: 10/2015.
\- = OBJECT IS NOT LOCATED WITHIN THIS SURFACE.
● = OBJECT PENETRATION LOCATION
EST. = ESTIMATED; ELEV. = ELEVATION; HT. = HEIGHT; PEN. = PENETRATION; N/A = NOT APPLICABLE; O.L. = OBSTRUCTION LIGHT; GQS = GLIDESLOPE QUALIFICATION SURFACE; APRC = APPROACH SURFACE; TSS = THRESHOLD SITING SURFACE; DPRT = DEPARTURE SURFACE

NOTES:

1. SURFACE PENETRATIONS: LOWER, MARK AND LIGHT, REMOVE OR TAKE APPROPRIATE ACTION PER FAA FLIGHT PROCEDURES OFFICE DETERMINATIONS.
2. LESS THAN 35' LOW, CLOSE-IN DEPARTURE SURFACE PENETRATIONS: ADD NOTE TO DEPARTURE PROCEDURE OR LOWER, MARK AND LIGHT, OR REMOVE PER FAA FLIGHT PROCEDURES OFFICE DETERMINATION.



RUNWAY 12 CENTERLINE PROFILE

SCALE: PER GRID

LEGEND

EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPHALT)	APRC(E)	APRC(F)	APPROACH SURFACE
		STRUCTURE/FACILITIES (BUILDING)	DPRT(E)	DPRT(F)	DEPARTURE SURFACE
		GRAVEL / TURF / DIRT	TSS(E)	TSS(F)	THRESHOLD SITING SURFACE
		AIRPORT PROPERTY LINE (APL)	GQS(E)	GQS(F)	GLIDE PATH QUALIFICATION SURFACE
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)		0000 0000	THRESHOLD LIGHTS
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			REIL
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)	4125	N/A	CONTOURS
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)			ROAD
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)			MARKINGS
N/A		TO BE REMOVED	X	XX	FENCE

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MARANA, ARIZONA

ADOT No. E5S3N
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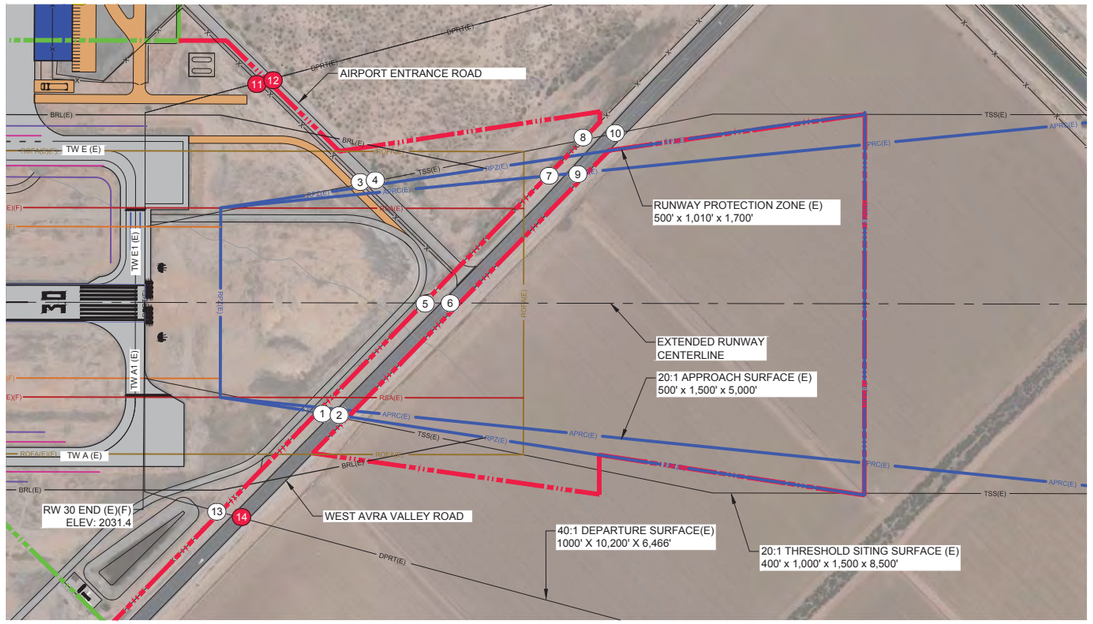
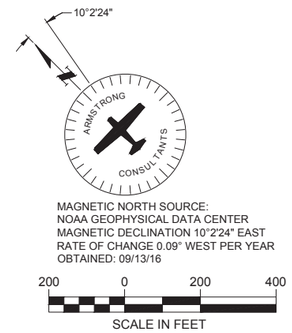
RUNWAY 12
INNER
APPROACH
(E)(F)



PLAN

SCALE: PER BAR SCALE



OBJECTS WITHIN RUNWAY 30 APRC, TSS AND DEPARTURE SURFACES (E)

No.	OBJECT	EST. OBJECT HT.	TOP ELEV. (MSL)	20:1 TSS PEN.	20:1 APRC SURFACE PEN.	40:1 DPRT PEN.	REMARKS
1	*FENCE	8'	2037'	-	-	NONE	
2	*ROAD	15'	2044'	NONE	-	NONE	
3	*FENCE	8'	2039'	NONE	-	NONE	
4	*ROAD	15'	2046'	NONE	-	NONE	
5	*FENCE	8'	2038'	NONE	NONE	NONE	
6	*ROAD	15'	2045'	NONE	NONE	NONE	
7	*FENCE	8'	2040'	NONE	NONE	NONE	
8	*FENCE	8'	2040'	NONE	NONE	NONE	
9	*ROAD	15'	2047'	NONE	NONE	NONE	
10	*ROAD	15'	2048'	NONE	NONE	NONE	
11	**FENCE	8'	2040'	-	-	+1'	NOTE 2
12	*ROAD	15'	2047'	-	-	+7'	NOTE 2
13	*FENCE	8'	2036'	-	-	NONE	
14	*ROAD	15'	2043'	-	-	+5'	NOTE 2

NOTE: OBJECT ELEVATIONS IN FEET MSL (VERTICAL DATUM NAVD88).
* = OBJECT ELEVATIONS ARE ESTIMATED AND NOT BASED ON A SURVEY.
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● = OBJECT PENETRATION LOCATION
EST. = ESTIMATED; ELEV. = ELEVATION; HT. = HEIGHT; PEN. = PENETRATION; N/A = NOT APPLICABLE; O.L. = OBSTRUCTION LIGHT; GQS = GLIDESLOPE QUALIFICATION SURFACE; APRC = APPROACH SURFACE; TSS = THRESHOLD SITING SURFACE; DPRT = DEPARTURE SURFACE

NOTES:

1. SURFACE PENETRATIONS: LOWER, MARK AND LIGHT, REMOVE OR TAKE APPROPRIATE ACTION PER FAA FLIGHT PROCEDURES OFFICE DETERMINATIONS.
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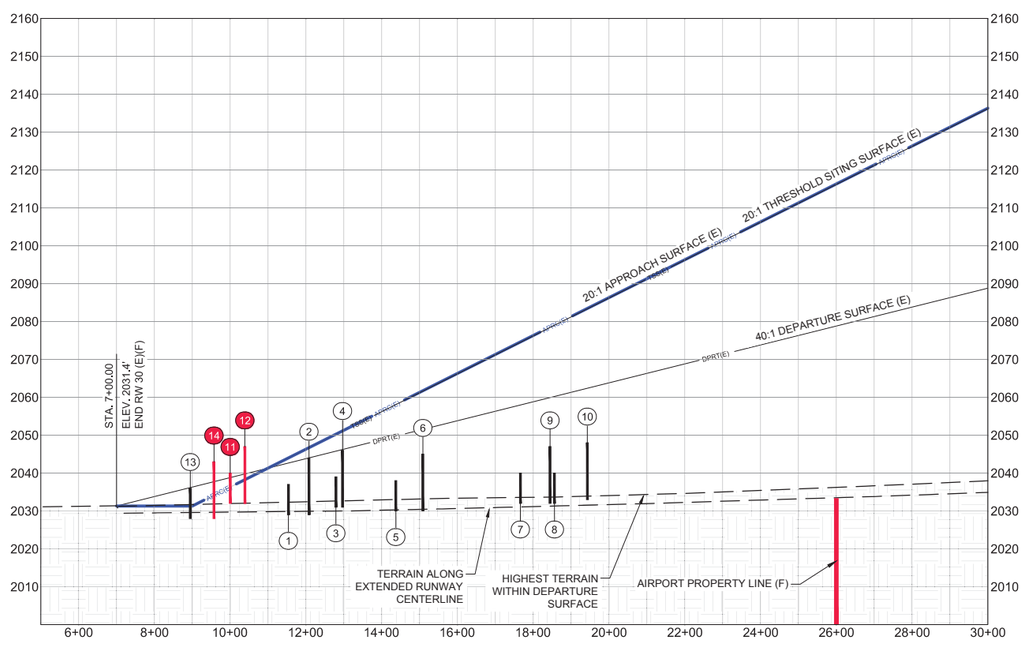

RUNWAY 30
CENTERLINE PROFILE

SCALE: PER GRID

LEGEND

EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPHALT)	APRC(E)	APRC(F)	APPROACH SURFACE
		STRUCTURE/FACILITIES (BUILDING)	DPRT(E)	DPRT(F)	DEPARTURE SURFACE
		GRAVEL / TURF / DIRT	TSS(E)	TSS(F)	THRESHOLD SITING SURFACE
		AIRPORT PROPERTY LINE (APL)	GQS(E)	GQS(F)	GLIDE PATH QUALIFICATION SURFACE
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)	0000 0000	0000 0000	THRESHOLD LIGHTS
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			REIL
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)	4125	N/A	CONTOURS
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)			ROAD
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)			MARKINGS
N/A		TO BE REMOVED	X	XX	FENCE

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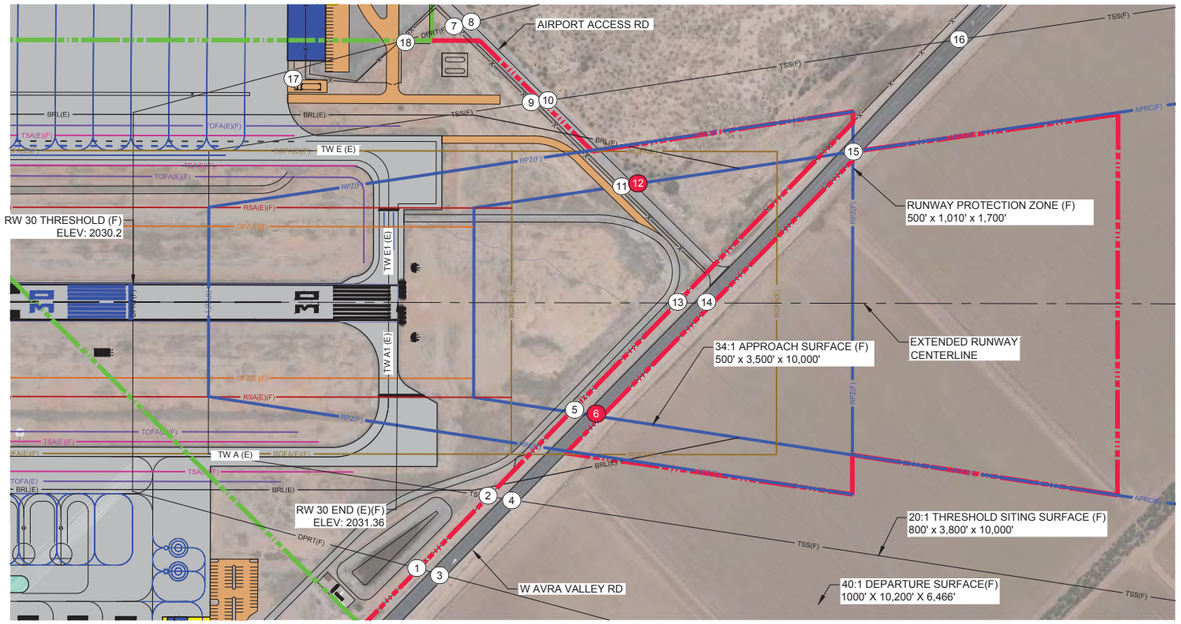
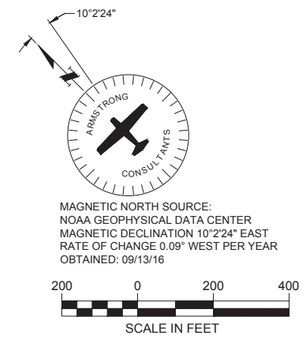
RUNWAY 30
INNER
APPROACH
(E)



PLAN

SCALE: PER BAR SCALE



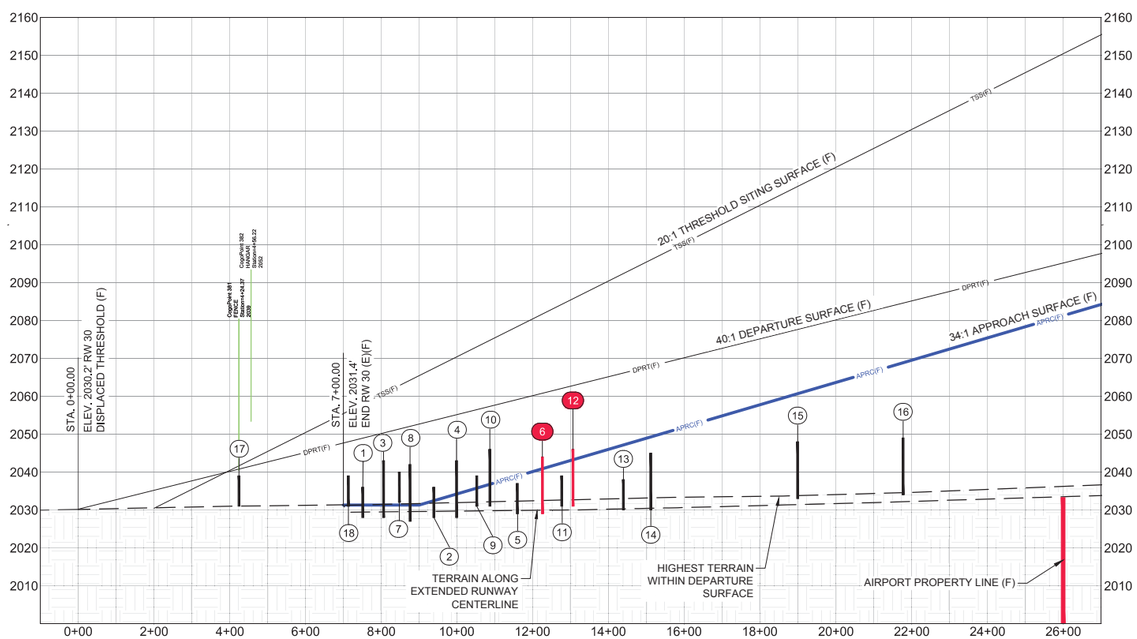
OBJECTS WITHIN RUNWAY 30 APRC, TSS AND DEPARTURE SURFACES (F)

No.	OBJECT	EST. OBJECT HT.	TOP ELEV. (MSL)	20:1 TSS PEN.	34:1 APRC SURFACE PEN.	40:1 DPRT PEN.	REMARKS
1	*FENCE	8'	2036'	NONE	-	NONE	
2	*FENCE	8'	2036'	NONE	-	NONE	
3	*ROAD	15'	2043'	-	-	NONE	
4	*ROAD	15'	2043'	NONE	-	NONE	
5	*FENCE	8'	2037'	NONE	NONE	NONE	
6	*ROAD	15'	2044'	NONE	+3'	NONE	NOTE 1
7	*FENCE	8'	2040'	-	-	NONE	
8	*ROAD	15'	2042'	-	-	NONE	
9	*FENCE	8'	2039'	NONE	-	NONE	
10	*ROAD	15'	2046'	NONE	-	NONE	
11	*FENCE	8'	2039'	NONE	NONE	NONE	
12	*ROAD	15'	2046'	NONE	+3'	NONE	NOTE 1
13	*FENCE	8'	2038'	NONE	NONE	NONE	
14	*ROAD	15'	2045'	NONE	NONE	NONE	
15	*ROAD	15'	2048'	NONE	NONE	NONE	
16	*ROAD	15'	2049'	NONE	NONE	NONE	
17	*FENCE	8'	2039'	-	-	NONE	
18	*FENCE	8'	2039'	-	-	NONE	

NOTE: OBJECT ELEVATIONS IN FEET MSL (VERTICAL DATUM NAVD88).
* = OBJECT ELEVATIONS ARE ESTIMATED AND NOT BASED ON A SURVEY.
** = OBJECT TOP ELEVATIONS AND LOCATIONS ARE BASED ON A SURVEY BY: WOOLPERT, INC., DATED: 10/2015.
- = OBJECT IS NOT LOCATED WITHIN THIS SURFACE.
● = OBJECT PENETRATION LOCATION
EST. = ESTIMATED; ELEV. = ELEVATION; HT. = HEIGHT; PEN. = PENETRATION; N/A = NOT APPLICABLE; O.L. = OBSTRUCTION LIGHT; GQS = GLIDESLOPE QUALIFICATION SURFACE; APRC = APPROACH SURFACE; TSS = THRESHOLD SITING SURFACE; DPRT = DEPARTURE SURFACE

NOTES:

1. SURFACE PENETRATIONS: LOWER, MARK AND LIGHT, REMOVE OR TAKE APPROPRIATE ACTION PER FAA FLIGHT PROCEDURES OFFICE DETERMINATIONS.
2. LESS THAN 35' LOW, CLOSE-IN DEPARTURE SURFACE PENETRATIONS: ADD NOTE TO DEPARTURE PROCEDURE OR LOWER, MARK AND LIGHT, OR REMOVE PER FAA FLIGHT PROCEDURES OFFICE DETERMINATION.



RUNWAY 30 CENTERLINE PROFILE

SCALE: PER GRID

LEGEND

EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPHALT)	APRC(E)	APRC(F)	APPROACH SURFACE
		STRUCTURE/FACILITIES (BUILDING)	DPRT(E)	DPRT(F)	DEPARTURE SURFACE
		GRAVEL / TURF / DIRT	TSS(E)	TSS(F)	THRESHOLD SITING SURFACE
		AIRPORT PROPERTY LINE (APL)	GQS(E)	GQS(F)	GLIDE PATH QUALIFICATION SURFACE
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)		0000 0000	THRESHOLD LIGHTS
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			REIL
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)	4125	N/A	CONTOURS
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)			ROAD
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)			MARKINGS
N/A		TO BE REMOVED	X	XX	FENCE

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MARANA REGIONAL AIRPORT
MARANA, ARIZONA

ADOT No. E5S3N
AIRPORT LAYOUT PLAN

No.	Project No.	Date	Revision / Description	File	Drwn.	Chkd.	Apprvd
3							
2							
1							
0	156295	09/2016	ORIGINAL ISSUE	6259505	GMR	CRM	JZP

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RUNWAY 30
INNER
APPROACH
(F)