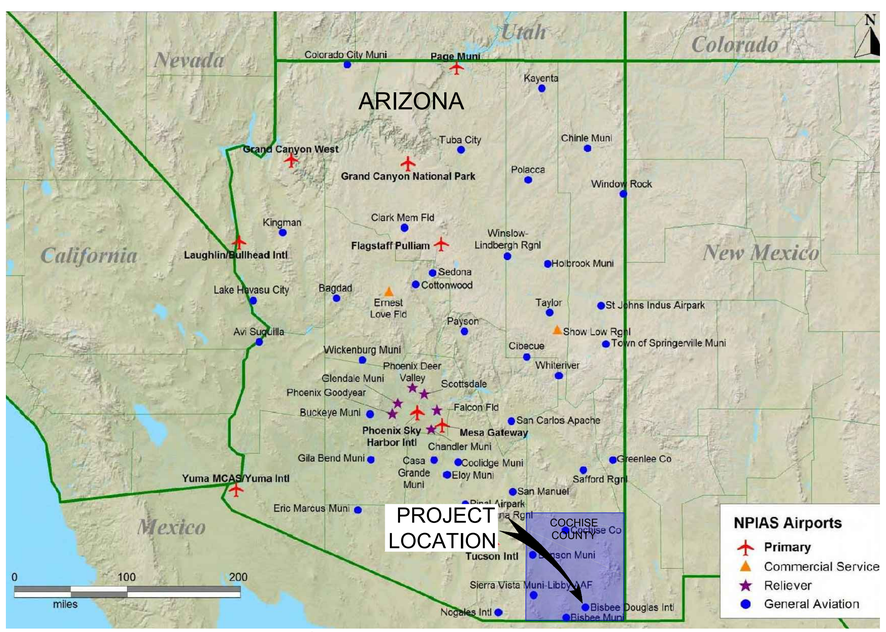
BISBEE DOUGLAS INTERNATIONAL AIRPORT
BISBEE, ARIZONA

AIRPORT LAYOUT PLANS

PREPARED BY:

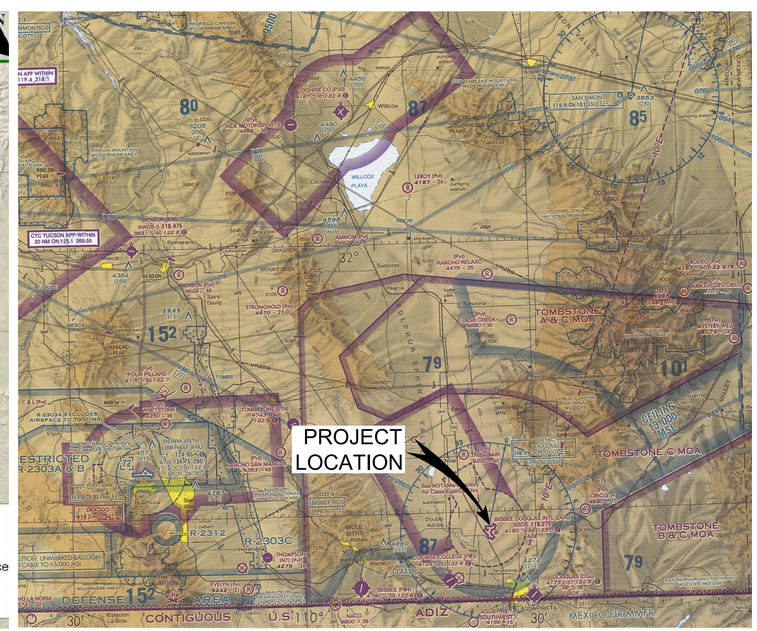
ARMSTRONG CONSULTANTS, INC.

A.I.P. No. 3-04-0013-008-2013
ADOT No. E4F3D
A.C.I. PROJECT NO. 136170
DATE: APRIL, 2015



LOCATION MAP

NTS



VICINITY MAP

NTS

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No.	Project No.	Date	Revision / Description	File	Drwn.	Chkd.	Apprvd.
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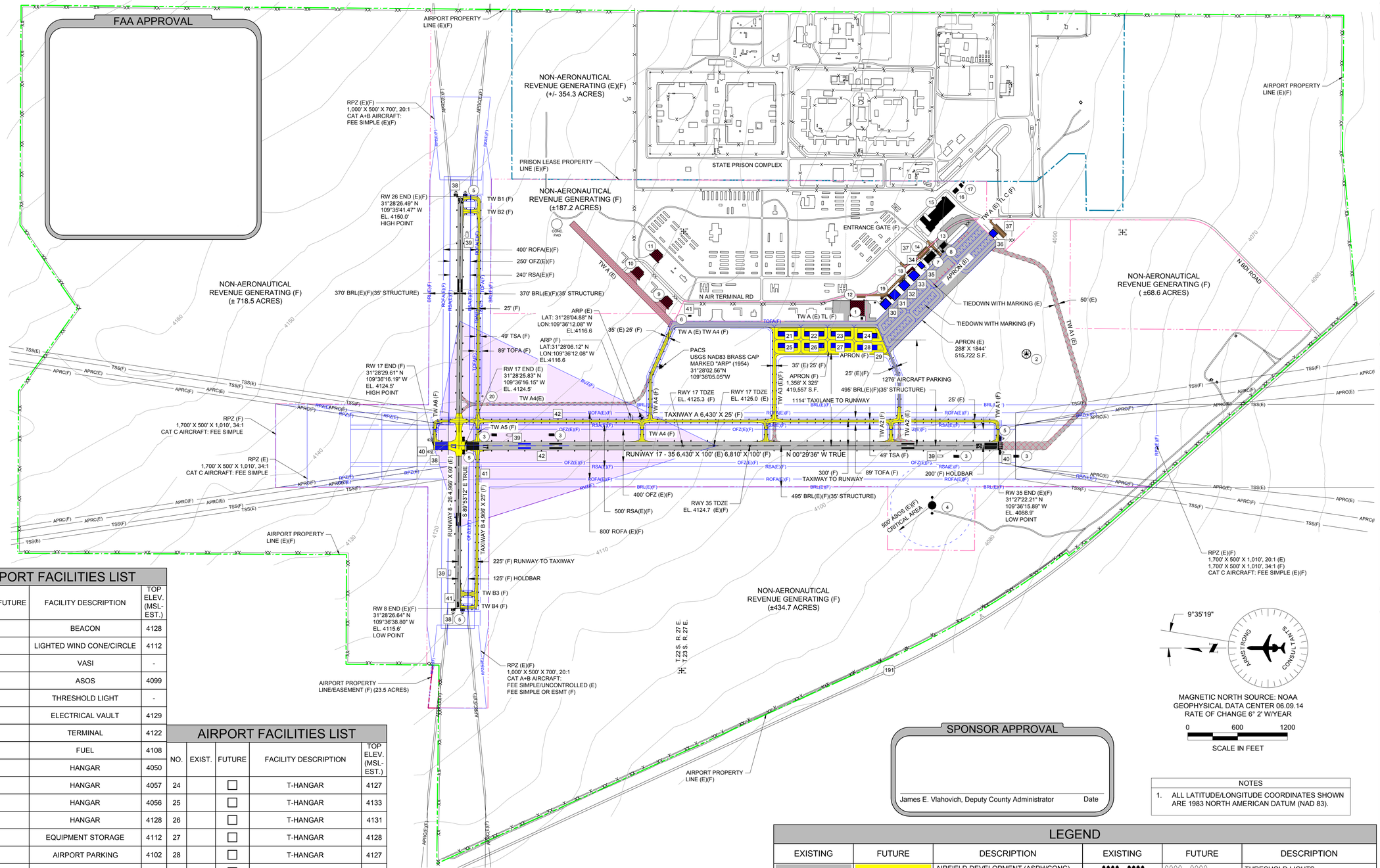
6170501



AIRPORT FACILITIES LIST

NO.	EXIST.	FUTURE	FACILITY DESCRIPTION	TOP ELEV. (MSL-EST.)
1	○		BEACON	4128
2	○		LIGHTED WIND CONE/CIRCLE	4112
3	○		VASI	-
4	○		ASOS	4099
5	○		THRESHOLD LIGHT	-
6	○		ELECTRICAL VAULT	4129
7	○		TERMINAL	4122
8	○		FUEL	4108
9	○		HANGAR	4050
10	○		HANGAR	4057
11	○		HANGAR	4056
12	○		HANGAR	4128
13	○		EQUIPMENT STORAGE	4112
14	○		AIRPORT PARKING	4102
15	○		COUNTY BUILDING	4120
16	○		COUNTY BUILDING	4110
17	○		COUNTY BUILDING	4110
18	○		COUNTY BUILDING	4110
19	○		COUNTY BUILDING	4115
20	○		VORTAC	-
21		□	T-HANGAR	4133
22		□	T-HANGAR	4131
23		□	T-HANGAR	4129

AIRPORT FACILITIES LIST

NO.	EXIST.	FUTURE	FACILITY DESCRIPTION	TOP ELEV. (MSL-EST.)
24		□	T-HANGAR	4127
25		□	T-HANGAR	4133
26		□	T-HANGAR	4131
27		□	T-HANGAR	4128
28		□	T-HANGAR	4127
29		□	APRON	4110
30		□	HANGAR	4126
31		□	HANGAR	4125
32		□	HANGAR	4124
33		□	HANGAR	4123
34		□	CUSTOMS BUILDING	4117
35		□	BEACON	4102
36		□	FBO BUILDING	4122
37		□	AUTO PARKING	4096

AIRPORT FACILITIES LIST

NO.	EXIST.	FUTURE	FACILITY DESCRIPTION	TOP ELEV. (MSL-EST.)
38		□	REILS	-
39		□	PAPI	-
40		□	THRESHOLD LIGHT	-
41		□	ELECTRICAL VAULT	4129
42		□	EDGE LIGHTING	-

SPONSOR APPROVAL

James E. Vlahovich, Deputy County Administrator Date

NOTES

1. ALL LATITUDE/LONGITUDE COORDINATES SHOWN ARE 1983 NORTH AMERICAN DATUM (NAD 83).

LEGEND

EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPH/CONC)			THRESHOLD LIGHTS
		STRUCTURE/FACILITIES (BUILDING)			REIL
		PROPERTY LINE (APL) / EASEMENT			VASI/PAPI
		LAND USE LINE			AIRPORT BEACON
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)			WIND CONE & SEGMENTED CIRCLE
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			AWOS/ASOS
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)			LIGHTED WIND CONE
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)		N/A	SECTION CORNER
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)	4125	N/A	CONTOURS
TSA(E)	TSA(F)	TAXIWAY SAFETY AREA (TSA)			ROADS/PARKING
TOFA(E)	TOFA(F)	TAXIWAY OBJECT FREE AREA (TOFA)			MARKINGS
	RVZ(F)	RUNWAY VISIBILITY ZONE (RVZ)	X	XX	FENCING
		AIRPORT REFERENCE POINT (ARP)			RUNWAY EDGE LIGHT
		TO BE REMOVED			TAXIWAY EDGE LIGHT

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DOUGLAS, ARIZONA

A.I.P. No. 3-04-0013-008-2013
AIRPORT LAYOUT PLAN

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0	136170	10/2014	ORIGINAL ISSUE	6170502	LDS	CM	JZP

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AIRPORT LAYOUT PLAN

RUNWAY DATA

ITEM		RW 17/35 - EXISTING (E)		RW 17/35 - FUTURE (F)		RW 8/26 - EXISTING (E)		RW 8/26 - FUTURE (F)	
RUNWAY IDENTIFICATION		17	35	17	35	8	26	8	26
RUNWAY DESIGN CODE (RDC) / RUNWAY VISUAL RANGE (RVR)		C-I/5000	C-I/VIS	C-I/5000	C-I/5000	B- I/VIS	B- I/VIS	B- I/VIS	B- I/VIS
DEPARTURE REFERENCE CODE (DPRC)		C-I/5000	C-I/VIS	C-I/5000	C-I/5000	B- I/VIS	B- I/VIS	B- I/VIS	B- I/VIS
SURFACE MATERIAL, PAVEMENT STRENGTH & MATERIAL TYPE	SURFACE MATERIAL	ASPHALT		ASPHALT		ASPHALT		ASPHALT	
	STRENGTH BY WHEEL LOADING (LBS)	6,200 SW		21,500 DW		2,500 SW		12,500 SW	
	PCN (FOR BEARING STRENGTH OF 12,500 LBS OR GREATER)	2/F/D/Y/T		N/A		1/F/C/Y/T		N/A	
	SURFACE TREATMENT	NONE		NONE		NONE		NONE	
RUNWAY GRADIENT	EFFECTIVE (%)	0.84		0.84		0.69		0.69	
	MAXIMUM (%)	0.84		0.84		0.69		0.69	
	LINE OF SIGHT MET (Y OR N)	Y		Y		Y		Y	
PERCENT WIND COVERAGE	A-I / B-I - 10.5 KTS	87.6%		87.6%		91.2%		91.2%	
	A-II / B-II - 13 KTS	92.8%		92.8%		95.1%		95.1%	
RUNWAY DIMENSIONS									
RUNWAY DIMENSIONS (FT)		6,430' X 100'		6,810' X 100'		4,966' X 60'		4,966' X 60'	
RUNWAY SAFETY AREA (RSA)	WIDTH (FT)	500'		500'		120'		120'	
	LENGTH BEYOND RUNWAY END (FT)	1,000'	1,000'	1,000'	1,000'	240'	240'	240'	240'
RUNWAY COORDINATES (NAD 83)	RUNWAY END LATITUDE	31°28'25.835" N	31°27'22.218" N	31°28'29.61" N	31°27'22.218" N	31°28'26.64" N	31°28'26.49" N	31°28'26.64" N	31°28'26.49" N
	RUNWAY END LONGITUDE	109°36'16.152" W	109°36'15.895" W	109°36'16.19" W	109°36'15.895" W	109°36'38.82" W	109°35'41.49" W	109°36'38.82" W	109°35'41.49" W
	DISPLACED THRESHOLD LAT.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DISPLACED THRESHOLD LONG.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RUNWAY ELEVATIONS (FT) (NAVD 88)	RUNWAY END	4124.5	4088.9	4124.5	4088.9	4115.6	4150.0	4115.6	4150.0
	DISPLACED THRESHOLD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TOUCHDOWN ZONE (TDZ)	4125.0	4124.7	4125.3	4124.7	N/A	N/A	N/A	N/A
	HIGH POINT	4124.5		4124.5		4150.0		4150.0	
	LOW POINT	4088.9		4088.9		4115.6		4115.6	
RUNWAY LIGHTING TYPE		MIRL		MIRL		NONE		MIRL	
RUNWAY PROTECTION ZONE (RPZ) (FT)		1,700' X 500' X 1,010'	1,700' X 500' X 1,010'	1,700' X 500' X 1,010'	1,700' X 500' X 1,010'	1,000' X 500' X 700'	1,000' X 500' X 700'	1,000' X 500' X 700'	1,000' X 500' X 700'
RUNWAY MARKING TYPE		NPI	NPI	NPI	NPI	BASIC	BASIC	BASIC	BASIC
14 CFR PART 77 APPROACH SURFACES	APPROACH TYPE	NON-PRECISION (GPS)	VISUAL	NON-PRECISION (GPS)	NON-PRECISION (GPS)	VISUAL	VISUAL	VISUAL	VISUAL
	VISIBILITY MINIMUMS / RVR (FT)	5000	VIS	5000	5000	VIS	VIS	VIS	VIS
	APPROACH SLOPE DIMENSIONS (FT)	500' X 3,500' X 10,000'	500' X 1,500' X 5,000'	500' X 3,500' X 10,000'	500' X 3,500' X 10,000'	250' X 1,250' X 5,000'	250' X 1,250' X 5,000'	250' X 1,250' X 5,000'	250' X 1,250' X 5,000'
	APPROACH CATEGORY (SLOPE)	34:1	20:1	34:1	34:1	20:1	20:1	20:1	20:1
TYPE OF AERONAUTICAL SURVEY REQUIRED FOR APPROACH		NVGS		NVGS		NONE		NONE	
RUNWAY DEPARTURE SURFACE (YES OR N/A)		YES	N/A	YES	N/A	N/A	N/A	N/A	N/A
RUNWAY OBJECT FREE AREA (ROFA)	WIDTH (FT)	800'	800'	800'	800'	400'	400'	400'	400'
	LENGTH BEYOND RUNWAY END (FT)	1,000'	1,000'	1,000'	1,000'	240'	240'	240'	240'
OBSTACLE FREE ZONE (OFZ)	WIDTH (FT)	400'	400'	400'	400'	250'	250'	250'	250'
	LENGTH BEYOND RUNWAY END (FT)	200'	200'	200'	200'	200'	200'	200'	200'
THRESHOLD SITING SURFACE (TSS)	DIMENSIONS (FT)	800' X 3,800' X 10,000'	400' X 1,000' X 10,000'	800' X 3,800' X 10,000'	800' X 3,800' X 10,000'	250' X 700' X 5,000'	250' X 700' X 5,000'	250' X 700' X 5,000'	250' X 700' X 5,000'
	SLOPE	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1
	PENETRATIONS	NO TSS PENETRATIONS	NO TSS PENETRATIONS	NO TSS PENETRATIONS	NO TSS PENETRATIONS	NO TSS PENETRATIONS	NO TSS PENETRATIONS	NO TSS PENETRATIONS	NO TSS PENETRATIONS
VISUAL AND INSTRUMENT NAVAIDS		VASI,GPS	VASI,GPS	PAPI,REILS,GPS (RNAV)		NONE		PAPI, REIL	

TAXIWAY AND TAXILANE DIMENSIONS

TAXIWAYS AND TAXLINES	EXISTING			FUTURE
TAXIWAY/TAXILANE DESIGN GROUP (TDG)	TDG -1	TDG -2	TDG-5	TDG - 1
TAXIWAY/TAXILANE DESIGNATION	TAXIWAY A2	TAXIWAY A1, A3, A4	TAXIWAY A5	ALL
TAXIWAY/TAXILANE WIDTH (FT)	25	35	75	25
TAXIWAY SAFETY AREA (FT)	49	79	214	49
TAXIWAY OBJECT FREE AREA (FT)	89	131	320	89
TAXILANE OBJECT FREE AREA (FT)	79	115	276	79
TAXIWAY/TAXILANE SEPARATION (FT)	HANGAR #9, 10, 12 (TSA: N/A, TOFA: 100') ELECTRICAL BLDG. (TSA: N/A, TOFA: 100')			NONE
TAXIWAY CENTERLINE TO FIXED OR MOVABLE OBJECT (FT)	44.5	65.5	93	44.5
TAXILANE CENTERLINE TO FIXED OR MOVABLE OBJECT (FT)	39.5	57.5	81	39.5
TAXIWAY/TAXILANE LIGHTING	MITL	A1, A4 NONE, A-3 MITL	NONE	MITL

HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD 83) VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88). EXISTING ELEVATIONS & RUNWAY END COORDINATES FROM FAA NATIONAL FLIGHT DATA CENTER.

DECLARED DISTANCES

ITEM	EXISTING		FUTURE		FAA APPROVAL DATE
	RW 17 / 35	RW 8 / 26	RW 17 / 35	RW 8 / 26	
TAKEOFF RUN AVAILABLE (TORA) (FT)	N/A	N/A	N/A	N/A	N/A
TAKEOFF DISTANCE AVAILABLE (TODA) (FT)	N/A	N/A	N/A	N/A	N/A
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA) (FT)	N/A	N/A	N/A	N/A	N/A
LANDING DISTANCE AVAILABLE (LDA) (FT)	N/A	N/A	N/A	N/A	N/A

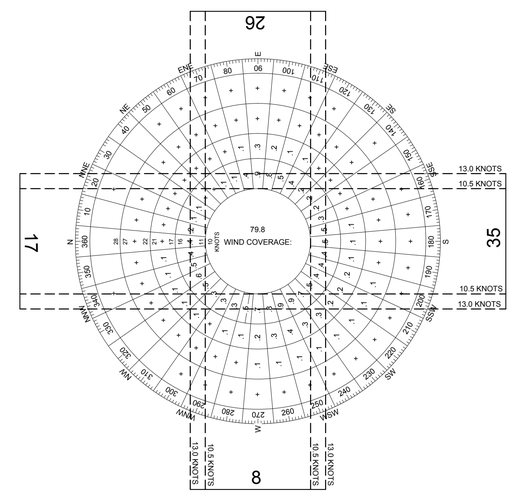
MODIFICATION TO STANDARDS APPROVAL

DESCRIPTION	STANDARD TO BE MODIFIED	EXISTING	PROPOSED	PROPOSED ACTION	AIRSPACE CASE NO.	APPROVAL DATE
NONE REQUIRED						

AIRPORT DATA

ITEM		EXISTING (E)	FUTURE (F)
AIRPORT REFERENCE CODE (ARC)		C-I	C-I
MEAN MAX. TEMP OF HOTTEST MONTH (°F) (JULY)		95°	95°
AIRPORT ELEVATION (MSL, FT) (NAVD 88) *		4,150.0 MSL	4,150.0 MSL
AIRPORT NAVIGATIONAL AIDS		VORTAC (FAA) Beacon (County)	VORTAC (FAA) Beacon (County)
AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83)	LATITUDE	31° 28' 04.88" N	31° 28' 06.12" N
	LONGITUDE	109° 36' 12.08" W	109° 36' 12.08" W
MISCELLANEOUS FACILITIES		ASOS, MITL, LIGHTED WIND CONE	ASOS, MITL, LIGHTED WIND CONE
ARC AND CRITICAL AIRCRAFT	ARC	C-I	C-I
	AIRCRAFT	LEARJET 25	LEARJET 25
	WINGSPAN (FT)	35	35
	UNDERCARRIAGE (FT)	17	17
	APPROACH SPEED (KTS)	137	137
AIRPORT MAGNETIC VARIATION	VARIATION	9° 35' 19" E	9° 35' 19" E
	DATE	6 - 09-2014	6 - 09-2014
	SOURCE	NOAA	NOAA
NPIAS SERVICE LEVEL		GA - LOCAL	GA - LOCAL
STATE EQUIVALENT SERVICE		GA - RURAL	GA - RURAL

* ELEVATIONS FROM FAA/NFDC SURVEY DATA DATED 10 / 17 /14.



ALL WEATHER WIND ROSE

RUNWAY	10.5 KNOT	13 KNOT
17/35	87.6%	92.8%
8/26	91.2%	95.1%

WIND DATA SOURCE: BDI ASOS FROM 1999 TO 2008, 78,405 WIND OBSERVATIONS

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NO.	EXIST.	FUTURE	FACILITY DESCRIPTION	TOP ELEV. (MSL-EST.)	NO.	EXIST.	FUTURE	FACILITY DESCRIPTION	TOP ELEV. (MSL-EST.)
1	○		BEACON	4128	21		□	T-HANGAR	4133
2	○		LIGHTED WIND CONE/CIRCLE	4112	22		□	T-HANGAR	4131
3	○		VASI	-	23		□	T-HANGAR	4129
4	○		ASOS	4099	24		□	T-HANGAR	4127
5	○		THRESHOLD LIGHT	-	25		□	T-HANGAR	4133
6	○		ELECTRICAL VAULT	4129	26		□	T-HANGAR	4131
7	○		TERMINAL	4122	27		□	T-HANGAR	4128
8	○		FUEL	4108	28		□	T-HANGAR	4127
9	○		HANGAR	4050	29		□	APRON	4110
10	○		HANGAR	4057	30		□	HANGAR	4126
11	○		HANGAR	4056	31		□	HANGAR	4125
12	○		HANGAR	4128	32		□	HANGAR	4124
13	○		EQUIPMENT STORAGE	4112	33		□	HANGAR	4123
14	○		AIRPORT PARKING	4102	34		□	CUSTOMS BUILDING	4117
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17	○		COUNTY BUILDING	4110	37		□	AUTO PARKING	4096
18	○		COUNTY BUILDING	4110	38		□	REILS	-
19	○		COUNTY BUILDING	4115	39		□	PAPI	-
20	○		VORTAC	-	40		□	THRESHOLD LIGHT	-
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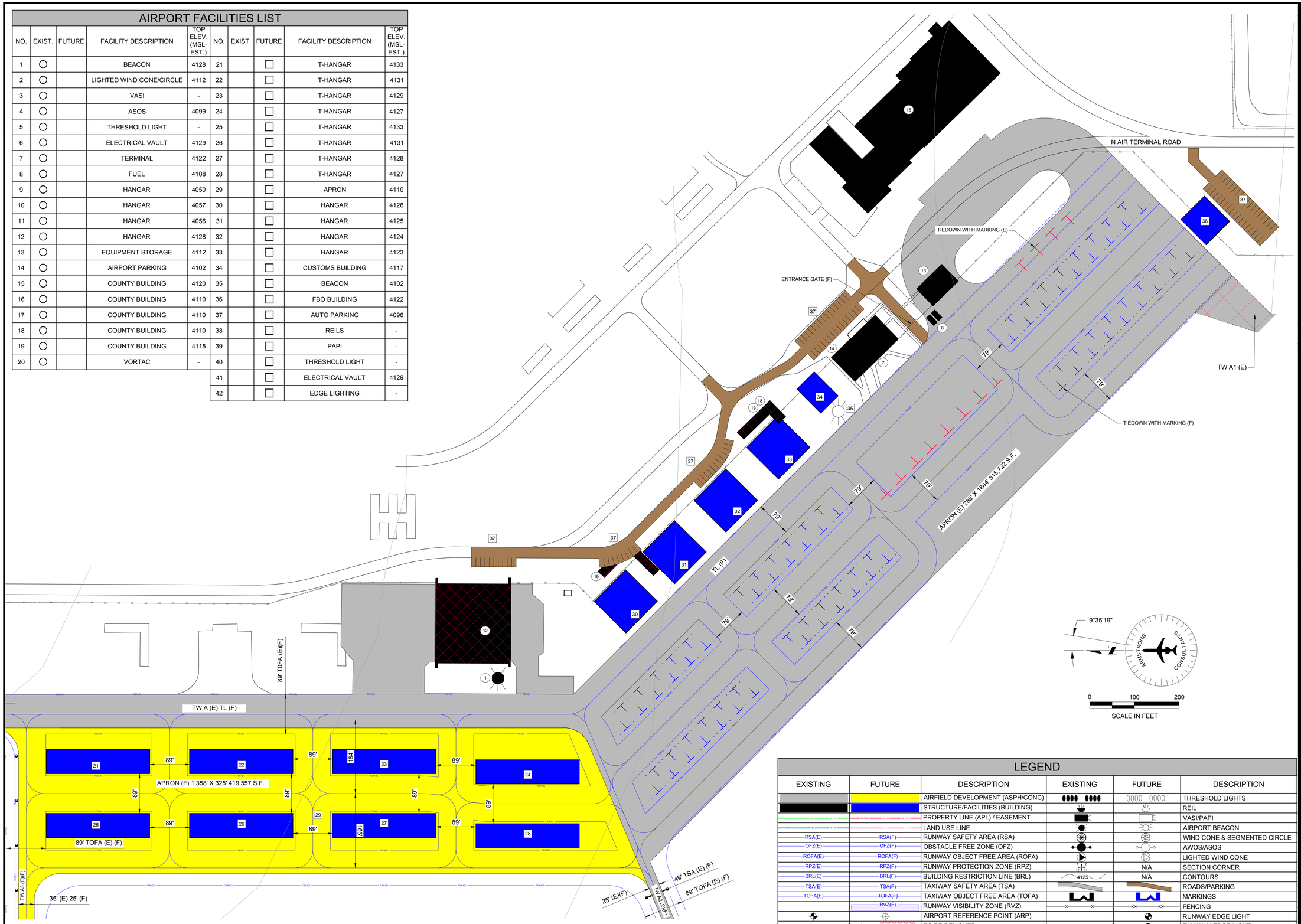

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EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPH/CONC)			THRESHOLD LIGHTS
		STRUCTURE/FACILITIES (BUILDING)			REIL
		PROPERTY LINE (APL) / EASEMENT			VASI/PAPI
		LAND USE LINE			AIRPORT BEACON
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)			WIND CONE & SEGMENTED CIRCLE
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			AWOS/ASOS
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)			LIGHTED WIND CONE
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)		N/A	SECTION CORNER
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)	4125	N/A	CONTOURS
TSA(E)	TSA(F)	TAXIWAY SAFETY AREA (TSA)			ROADS/PARKING
TOFA(E)	TOFA(F)	TAXIWAY OBJECT FREE AREA (TOFA)			MARKINGS
	RVZ(F)	RUNWAY VISIBILITY ZONE (RVZ)	x x	xx xx	FENCING
		AIRPORT REFERENCE POINT (ARP)			RUNWAY EDGE LIGHT
		TO BE REMOVED			TAXIWAY EDGE LIGHT

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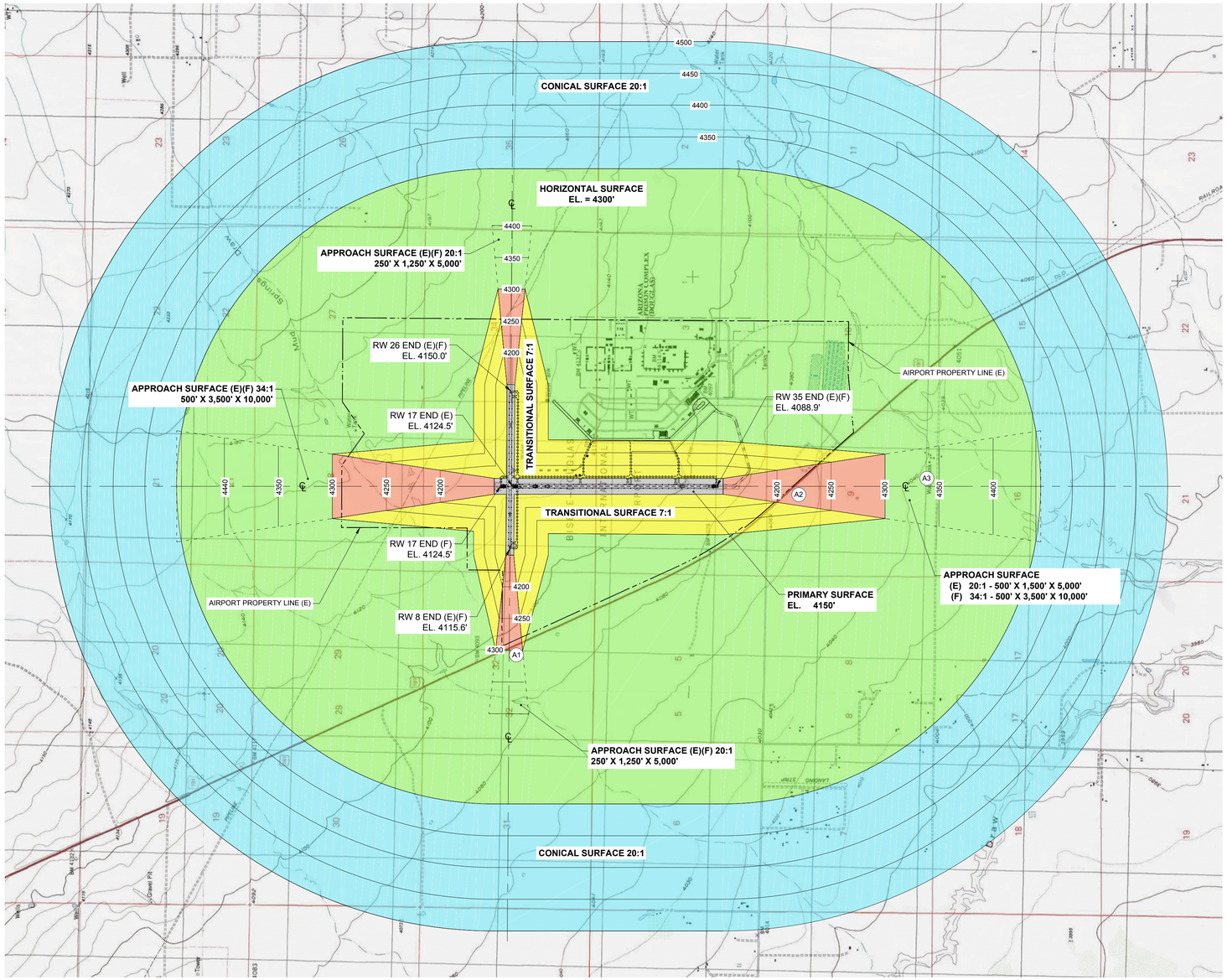
TERMINAL AREA DRAWING



OBSTRUCTION DATA TABLE

PART 77 SURFACE	ITEM No.	DESCRIPTION	ESTIMATED TOP ELEVATION (MSL)	PENETRATION (FEET)	REMARKS
PRIMARY		NONE	N/A	0'	NONE
APPROACH	A1	ROAD	+/- 4092	0'	NONE
	A2	ROAD	+/- 4065	0'	NONE
	A3	ROAD	+/- 4039	0'	NONE
7:1 TRANSITIONAL		NONE	N/A	0'	NONE
HORIZONTAL		NONE	N/A	0'	NONE
CONICAL		NONE	N/A	0'	NONE

NOTES:

GROUND ELEVATION DATA UNITED STATES ELEVATION DATA 30 METER RESOLUTION, DATE UNKNOWN

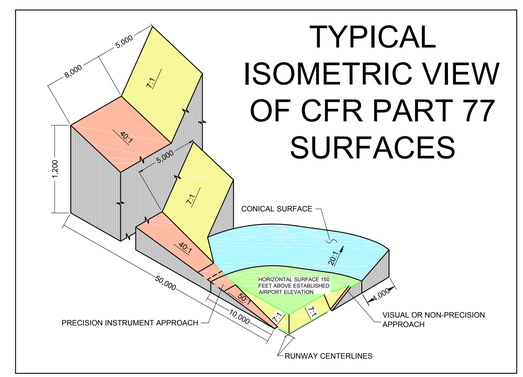
NOTES

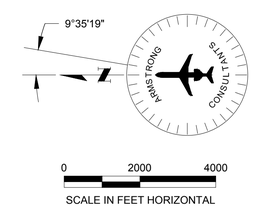
A) REFER TO "INNER PORTION OF THE APPROACH SURFACE" DRAWINGS FOR DETAILS ON ANY CLOSE-IN APPROACH OBSTRUCTIONS.

B) 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) APPROACH SURFACES BASED ON ULTIMATE CONDITION.

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





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BISBEE DOUGLAS INTERNATIONAL AIRPORT
DOUGLAS, ARIZONA

A.I.P. No. 3-04-0013-008-2013
AIRPORT LAYOUT PLAN

No.	Project No.	Date	Revision / Description	File	Drwn.	Chkd.	Apprvd.
3							
2							
1							
0	136170	10/2014	ORIGINAL ISSUE	6170504	LDS	CM	JZP

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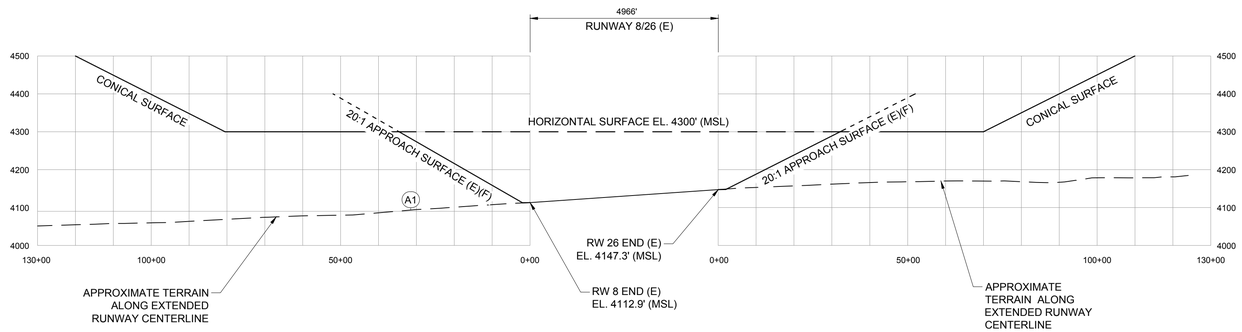
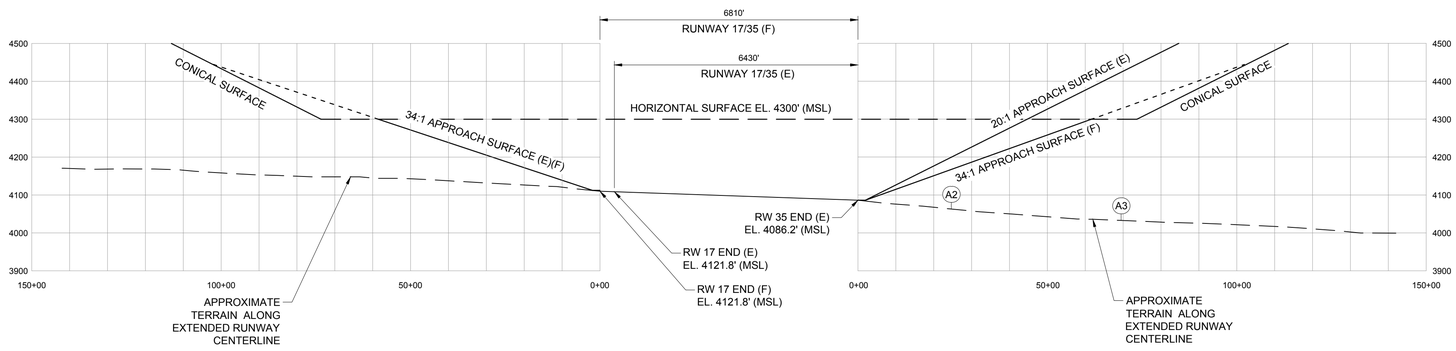
14 CFR
PART 77
AIRSPACE
PLAN
DRAWING



RUNWAY 8/26 PROFILE (E)(F)

SCALE: PER BARSCALE



RUNWAY 17/35 PROFILE (E)(F)

SCALE: PER BARSCALE

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3							
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0	136170	10/2014	ORIGINAL ISSUE	6171504	LDS	CM	JZP

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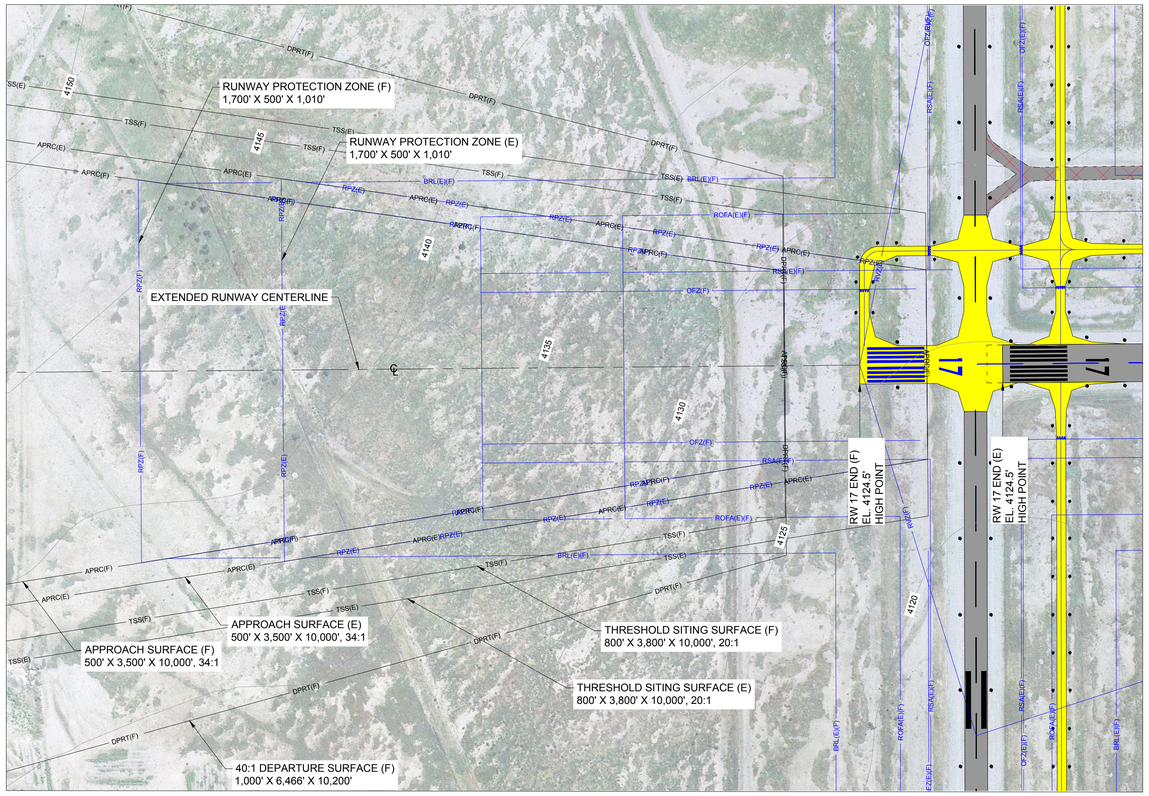
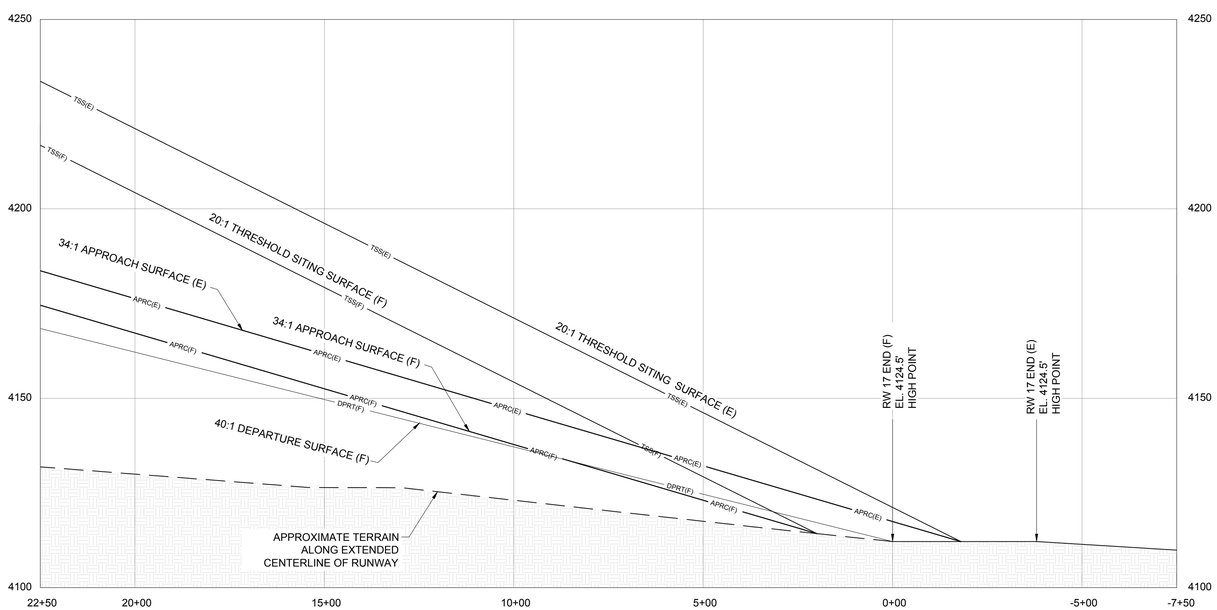
14 CFR
PART 77
AIRSPACE
PROFILE
DRAWING



PLAN - RUNWAY 17 END (E)(F)

SCALE: PER BARSCALE



PROFILE - RUNWAY 17 END (E)(F)

SCALE: PER GRID

APPROACH / DEPARTURE SURFACE PENETRATION TABLE

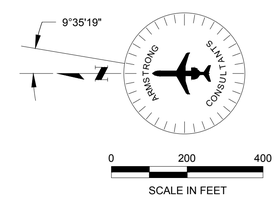
No.	OBJECT	EST. GRADE HT.	EST. OBJECT HT.	20:1 TSS SURFACE PEN.	34:1 APRC SURFACE PEN.	40:1 DEPT SURFACE PEN.	REMARKS
N/A	NONE	N/A	N/A	NONE	NONE	NONE	NONE

NOTE: OBJECT ELEVATIONS IN FEET MSL (VERTICAL DATUM NAVD88).
* = OBJECT ELEVATIONS ARE ESTIMATED AND NOT BASED ON A SURVEY.

ELEVATION DATA UNITED STATES ELEVATION DATA 30 METER RESOLUTION, DATE UNKNOWN

\- = 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; APRC = APPROACH SURFACE;



LEGEND

EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPH/CONC)			THRESHOLD LIGHTS
		STRUCTURE/FACILITIES (BUILDING)			REIL
		PROPERTY LINE (APL) / EASEMENT			VASI/PAPI
		LAND USE LINE			AIRPORT BEACON
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)			WIND CONE & SEGMENTED CIRCLE
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			AWOS/ASOS
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)			LIGHTED WIND CONE
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)		N/A	SECTION CORNER
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)	4125	N/A	CONTOURS
TSA(E)	TSA(F)	TAXIWAY SAFETY AREA (TSA)			ROADS/PARKING
TOFA(E)	TOFA(F)	TAXIWAY OBJECT FREE AREA (TOFA)			MARKINGS
APRC(E)	APRC(F)	APPROACH SURFACE	X	XX	FENCING
DPRT(E)	DPRT(F)	DEPARTURE SURFACE			RUNWAY EDGE LIGHT
TSS(E)	TSS(F)	THRESHOLD SITING SURFACE			TAXIWAY EDGE LIGHT
GQS(E)	GQS(F)	GLIDE PATH QUALIFICATION SURFACE			AIRPORT REFERENCE POINT (ARP)
	RVZ(F)	RUNWAY VISIBILITY ZONE (RVZ)			TO BE REMOVED

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BISBEE DOUGLAS INTERNATIONAL AIRPORT
DOUGLAS, ARIZONA

A.I.P. No. 3-04-0013-008-2013
AIRPORT LAYOUT PLAN

No.	Project No.	Date	Revision / Description	File	Drwn.	Chkd.	Apprvd.
3							
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1							
0	136170	10/2014	ORIGINAL ISSUE	6171505	LDS	CM	JZP

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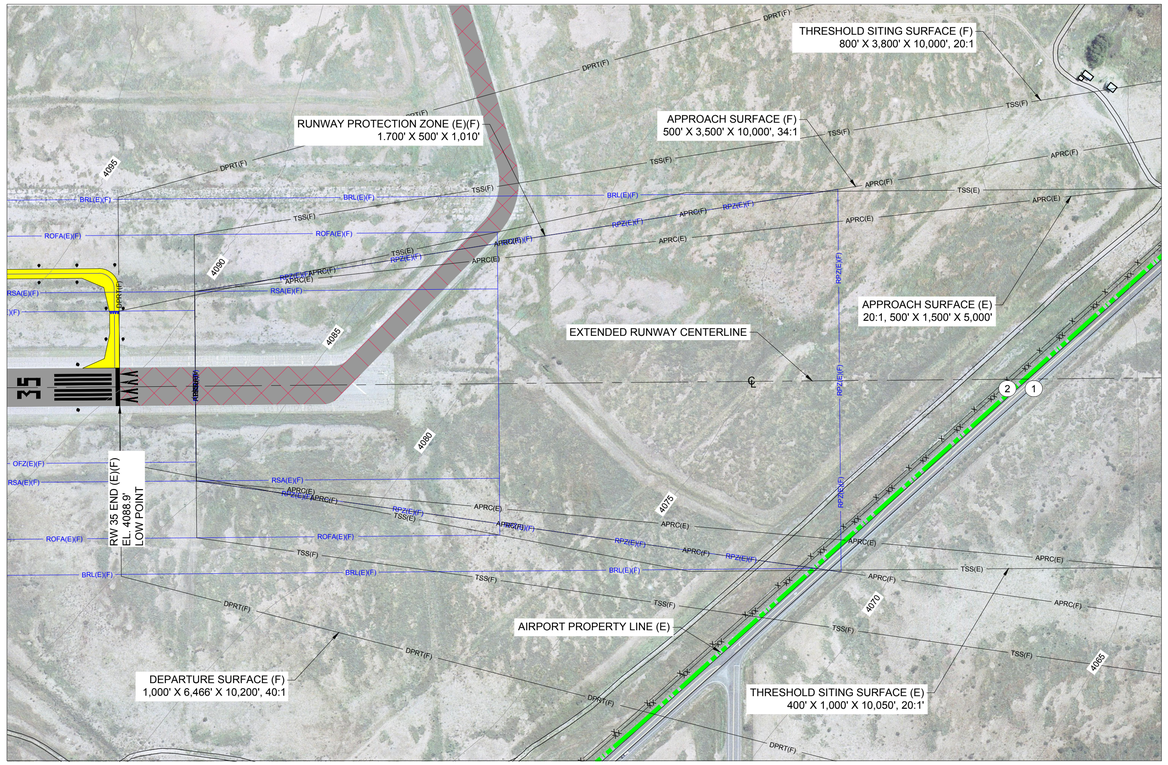
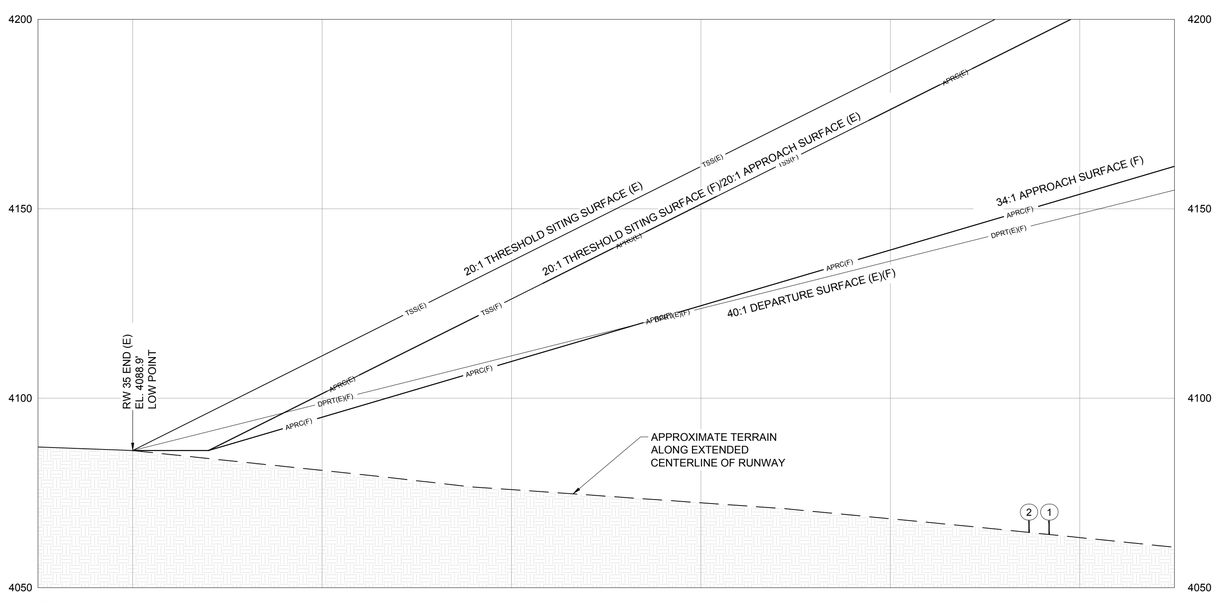
RW 17(E)(F)
INNER
APPROACH
DRAWING



PLAN - RUNWAY 35 END (E)(F)

SCALE: PER BARSCALE



PROFILE - RUNWAY 35 END (E)(F)

SCALE: PER BARSCALE

APPROACH / DEPARTURE SURFACE PENETRATION TABLE

No.	OBJECT	EST. GRADE HT.	EST. OBJECT HT.	20:1 TSS SURFACE PEN.	34:1 APRC SURFACE PEN.	40:1 DEPT SURFACE PEN.	REMARKS
1	ROAD	4067	4082	NONE	NONE	NONE	NONE
2	FENCE	4067	4071	NONE	NONE	NONE	NONE

NOTE: OBJECT ELEVATIONS IN FEET MSL (VERTICAL DATUM NAVD88).
* = OBJECT ELEVATIONS ARE ESTIMATED AND NOT BASED ON A SURVEY.

ELEVATION DATA UNITED STATES ELEVATION DATA 30 METER RESOLUTION, DATE UNKNOWN

- = OBJECT IS NOT LOCATED WITHIN THIS SURFACE.
● = OBJECT PENETRATION LOCATION

EST. = ESTIMATED; ELEV. = ELEVATION; HT. = HEIGHT; PEN. = PENETRATION;
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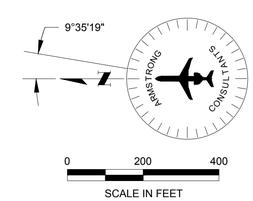

LEGEND

EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPH/CONC)			THRESHOLD LIGHTS
		STRUCTURE/FACILITIES (BUILDING)			REIL
		PROPERTY LINE (APL) / EASEMENT			VASI/PAPI
		LAND USE LINE			AIRPORT BEACON
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)			WIND CONE & SEGMENTED CIRCLE
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			AWOS
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)			LIGHTED WIND CONE
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)		N/A	SECTION CORNER
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)	4125	N/A	CONTOURS
TSA(E)	TSA(F)	TAXIWAY SAFETY AREA (TSA)			ROADS/PARKING
TOFA(E)	TOFA(F)	TAXIWAY OBJECT FREE AREA (TOFA)			MARKINGS
APRC(E)	APRC(F)	APPROACH SURFACE	X	XX	FENCING
DPRT(E)	DPRT(F)	DEPARTURE SURFACE			RUNWAY EDGE LIGHT
TSS(E)	TSS(F)	THRESHOLD SITING SURFACE			TAXIWAY EDGE LIGHT
GQS(E)	GQS(F)	GLIDE PATH QUALIFICATION SURFACE			AIRPORT REFERENCE POINT (ARP)
	RVZ(F)	RUNWAY VISIBILITY ZONE (RVZ)			TO BE REMOVED

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DOUGLAS, ARIZONA

A.I.P. No. 3-04-0013-008-2013
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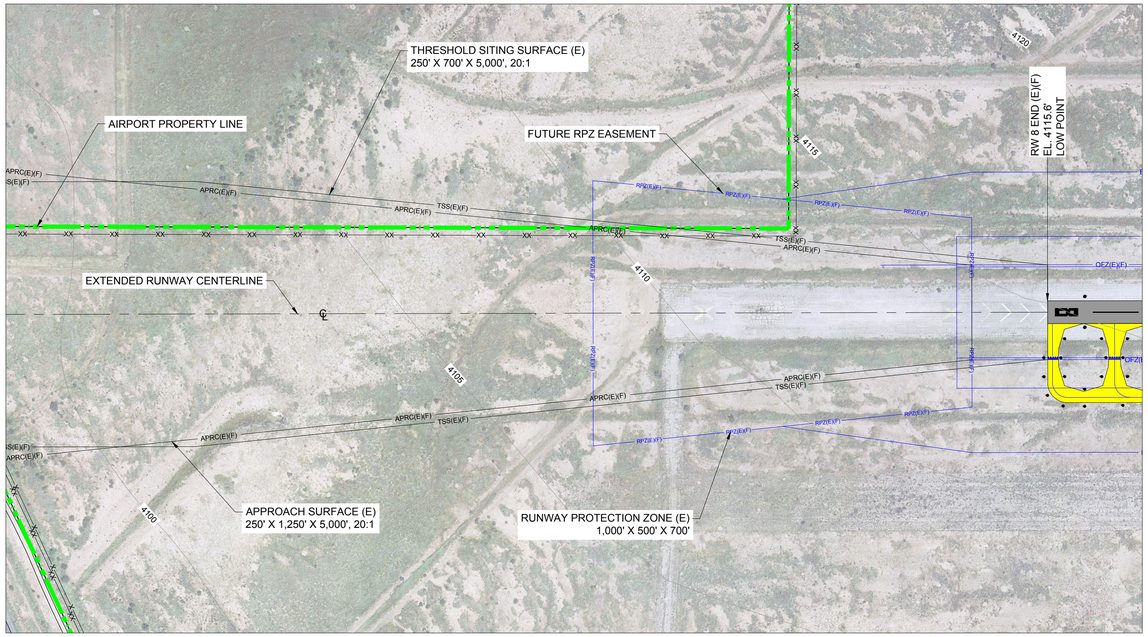
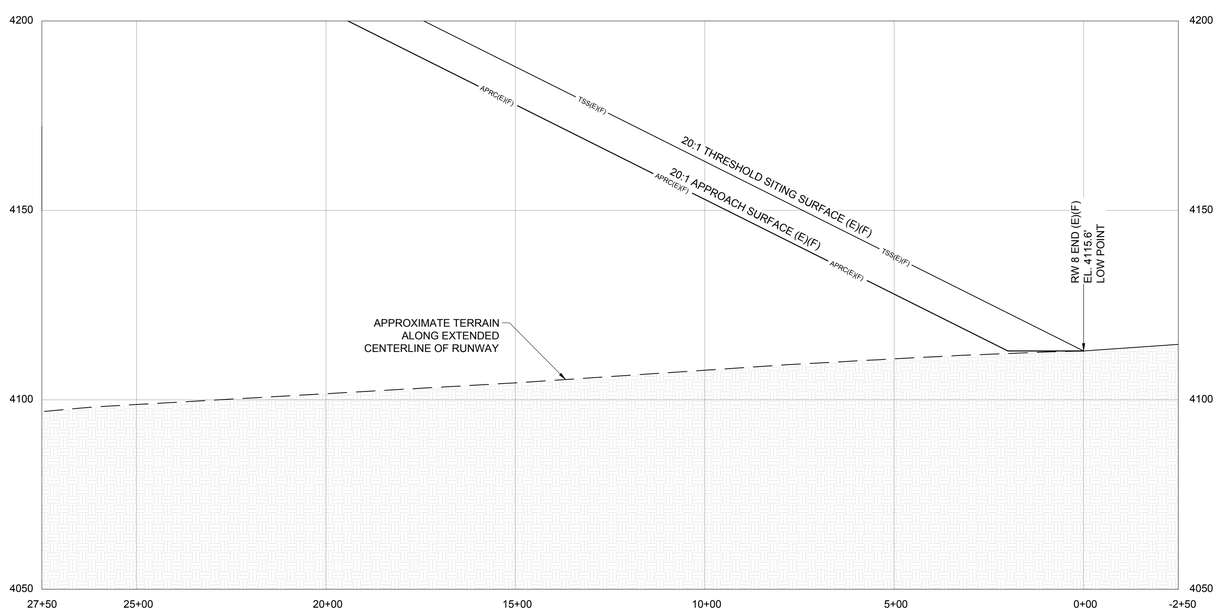
RW 35 (E)(F)
INNER
APPROACH
DRAWING



PLAN - RUNWAY 8 END (E)(F)

SCALE: PER BARSCALE



PROFILE - RUNWAY 8 END (E)(F)

SCALE: PER GRID

APPROACH / DEPARTURE SURFACE PENETRATION TABLE						
No.	OBJECT	EST. GRADE HT.	EST. OBJECT HT.	20:1 TSS SURFACE PEN.	20:1 APRC SURFACE PEN.	REMARKS
N/A	NONE	NONE	NONE	NONE	NONE	NONE

NOTE: OBJECT ELEVATIONS IN FEET MSL (VERTICAL DATUM NAVD88).
* = OBJECT ELEVATIONS ARE ESTIMATED AND NOT BASED ON A SURVEY.

ELEVATION DATA UNITED STATES ELEVATION DATA 30 METER RESOLUTION, DATE UNKNOWN

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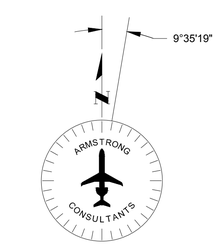

0 200 400
SCALE IN FEET

LEGEND					
EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPH/CONC)			THRESHOLD LIGHTS
		STRUCTURE/FACILITIES (BUILDING)			REIL
		PROPERTY LINE (APL) / EASEMENT			VASI/PAPI
		LAND USE LINE			AIRPORT BEACON
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)			WIND CONE & SEGMENTED CIRCLE
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			AWOS/ASOS
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)			LIGHTED WIND CONE
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)		N/A	SECTION CORNER
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)	4125	N/A	CONTOURS
TSA(E)	TSA(F)	TAXIWAY SAFETY AREA (TSA)			ROADS/PARKING
TOFA(E)	TOFA(F)	TAXIWAY OBJECT FREE AREA (TOFA)			MARKINGS
APRC(E)	APRC(F)	APPROACH SURFACE	X	XX	FENCING
DPRT(E)	DPRT(F)	DEPARTURE SURFACE			RUNWAY EDGE LIGHT
TSS(E)	TSS(F)	THRESHOLD SITING SURFACE			TAXIWAY EDGE LIGHT
GQS(E)	GQS(F)	GLIDE PATH QUALIFICATION SURFACE			AIRPORT REFERENCE POINT (ARP)
	RVZ(F)	RUNWAY VISIBILITY ZONE (RVZ)			TO BE REMOVED

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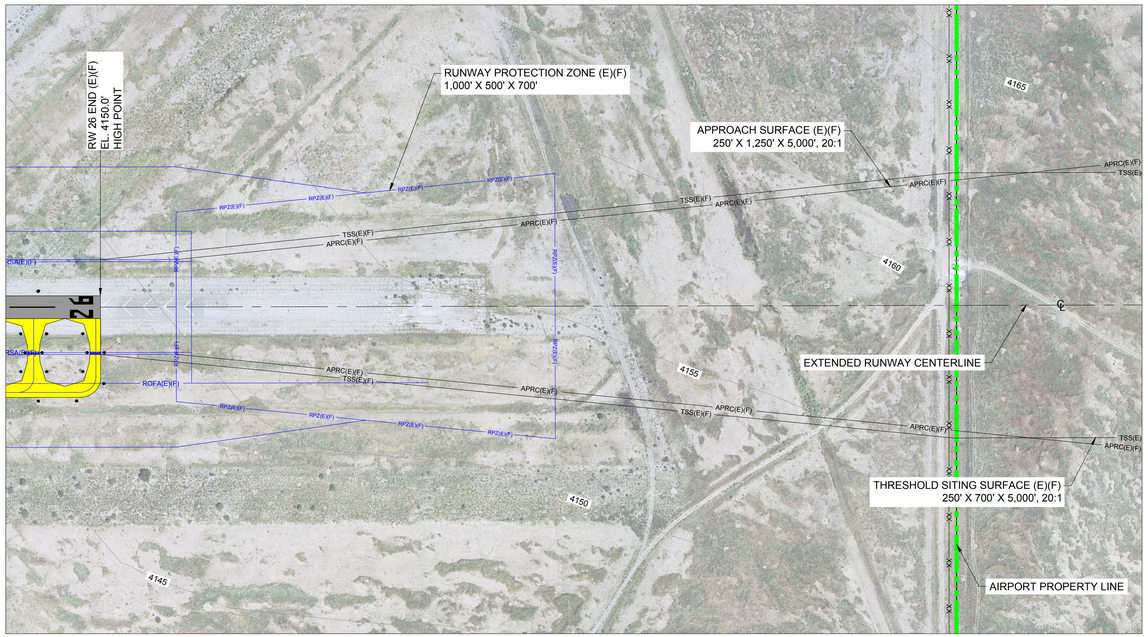
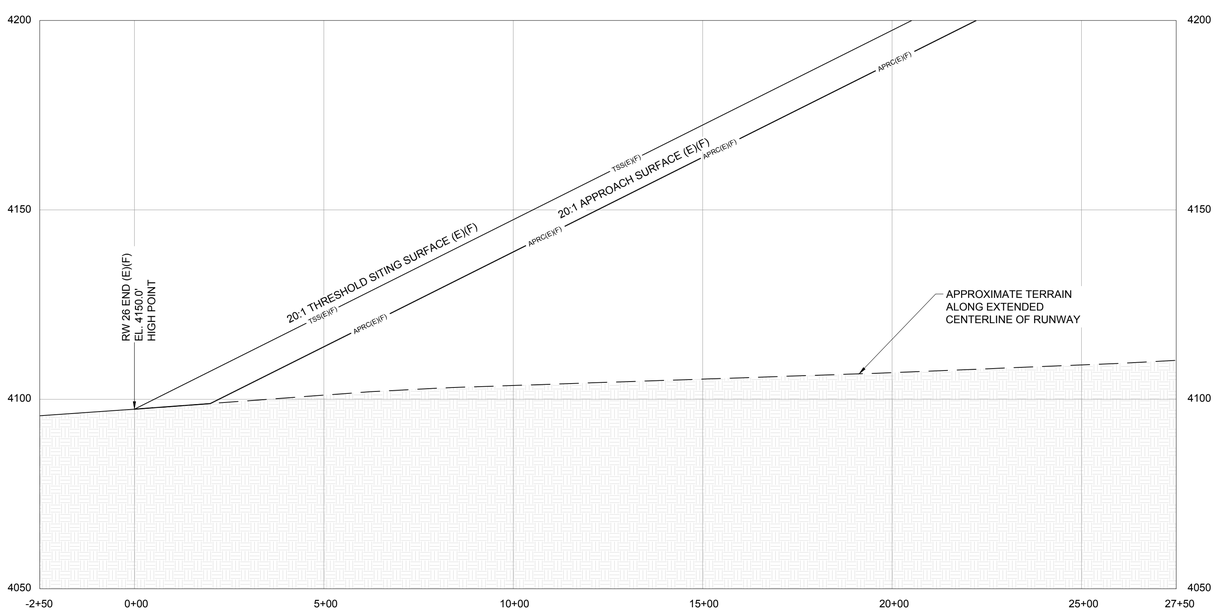
RW 8 (E)(F)
INNER
APPROACH
DRAWING



PLAN - RUNWAY 26 END (E)(F)

SCALE: PER BARSCALE



PROFILE - RUNWAY 26 END (E)(F)

SCALE: PER GRID

APPROACH / DEPARTURE SURFACE PENETRATION TABLE						
No.	OBJECT	EST. GRADE HT.	EST. OBJECT HT.	20:1 TSS SURFACE PEN.	20:1 APRC SURFACE PEN.	REMARKS
N/A	NONE	NONE	NONE	NONE	NONE	NONE

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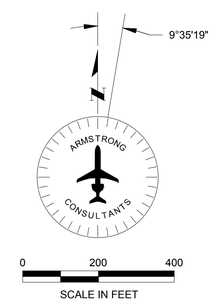

LEGEND					
EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPH/CONC)			THRESHOLD LIGHTS
		STRUCTURE/FACILITIES (BUILDING)			REIL
		PROPERTY LINE (APL) / EASEMENT			VASI/PAPI
		LAND USE LINE			AIRPORT BEACON
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)			WIND CONE & SEGMENTED CIRCLE
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			AWOS/ASOS
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)			LIGHTED WIND CONE
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)		N/A	SECTION CORNER
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)	4125	N/A	CONTOURS
TSA(E)	TSA(F)	TAXIWAY SAFETY AREA (TSA)			ROADS/PARKING
TOFA(E)	TOFA(F)	TAXIWAY OBJECT FREE AREA (TOFA)			MARKINGS
APRC(E)	APRC(F)	APPROACH SURFACE	X	XX	FENCING
DPRT(E)	DPRT(F)	DEPARTURE SURFACE			RUNWAY EDGE LIGHT
TSS(E)	TSS(F)	THRESHOLD SITING SURFACE			TAXIWAY EDGE LIGHT
GQS(E)	GQS(F)	GLIDE PATH QUALIFICATION SURFACE			AIRPORT REFERENCE POINT (ARP)
	RVZ(F)	RUNWAY VISIBILITY ZONE (RVZ)			TO BE REMOVED

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BISBEE DOUGLAS INTERNATIONAL AIRPORT
DOUGLAS, ARIZONA

A.I.P. No. 3-04-0013-008-2013
AIRPORT LAYOUT PLAN

No.	Project No.	Date	Revision / Description	File	Drwn.	Chkd.	Apprvd.
3							
2							
1							
0	136170	10/2014	ORIGINAL ISSUE	6171505	LDS	CM	JZP

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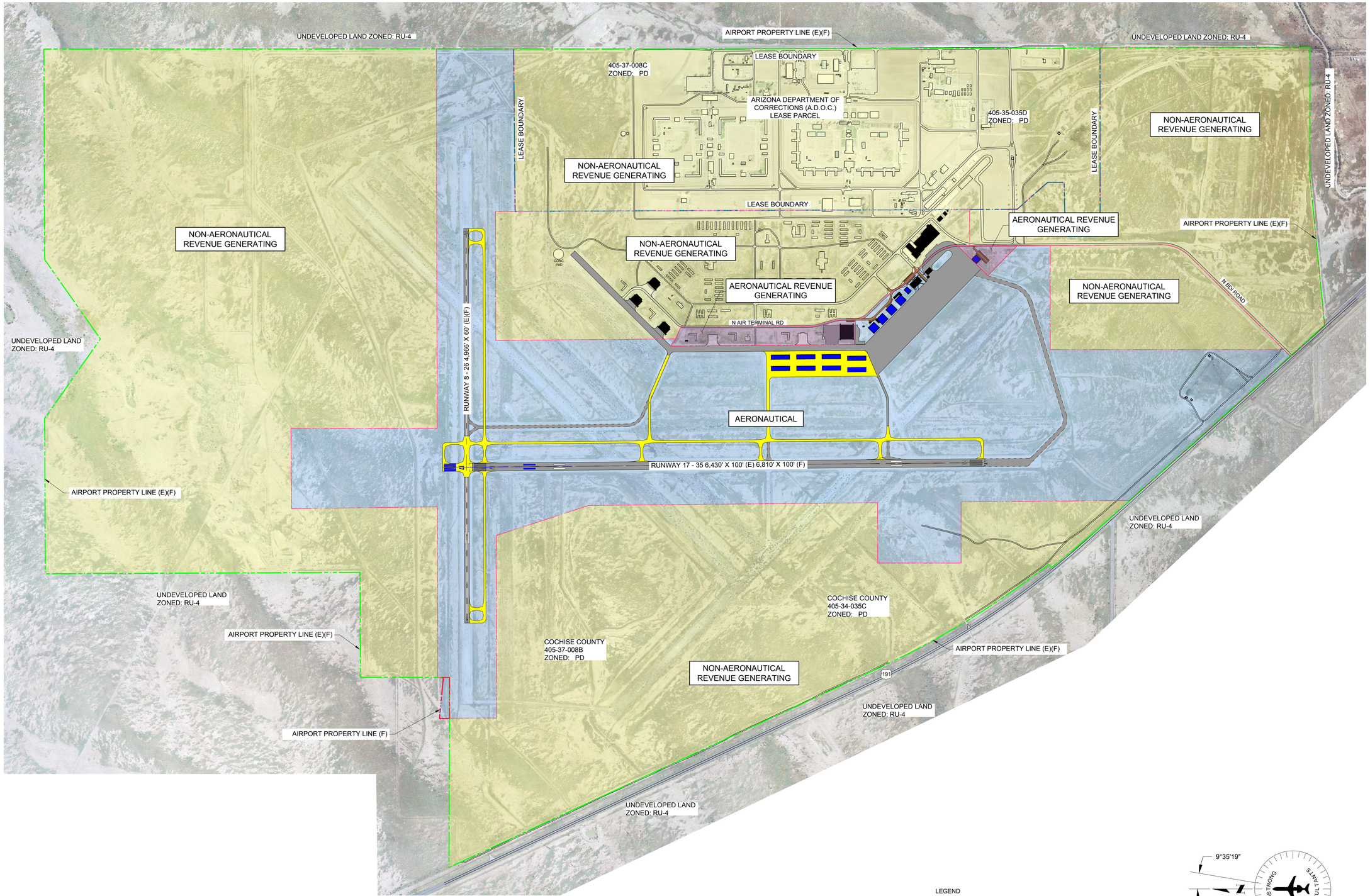
RW 26 (E)(F)
INNER
APPROACH
DRAWING



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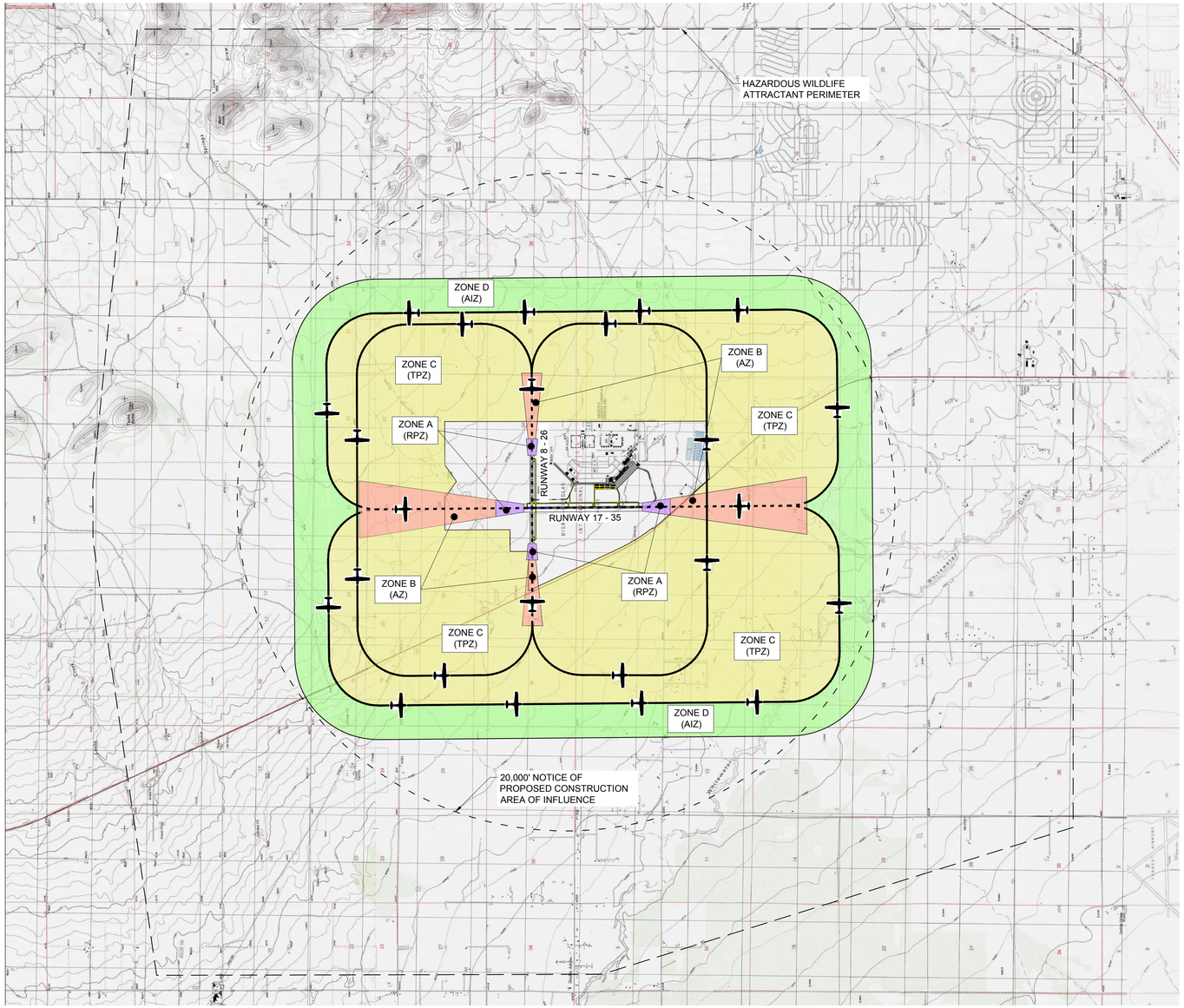
ON-AIRPORT LAND USE DRAWING



PLAN

SCALE: PER BARSCALE

LAND USE COMPATIBILITY GUIDELINES

Land Use Category	ZONE D Airport Influence (AIZ)	ZONE C Traffic Pattern (TPZ)	ZONE B Approach (AZ)	ZONE A Runway Protection (RPZ)
Residential				
single-family, nursing homes, mobile homes, multi-family, apartments, condominiums	++	++	++	++
transient lodging, hotel, motel	++	++	++	++
Public				
schools, libraries, hospitals	++	++	++	++
churches, auditoriums, concert halls	++	++	++	++
transportation, parking, cemeteries	++	++	++	++
Commercial and Industrial				
offices, retail trade, service commercial, wholesale trade, warehousing, light industrial, general manufacturing, utilities, extractive industry	++	++	++	++
Agricultural and Recreational				
cropland	++	++	++	++
livestock breeding	++	++	++	++
parks, playgrounds, zoos, golf courses, riding stables, water recreation	++	++	++	++
outdoor spectator sports	++	++	++	++
amphitheaters	++	++	++	++
open space	++	++	++	++

NOTE: DEVELOPMENT PROJECTS WHICH ARE WILDLIFE ATTRACTANT, INCLUDING SEWERAGE PONDS AND LANDFILLS, WITHIN 10,000 FEET OF THE AIRPORT ARE UNACCEPTABLE. (REF.: FAA AC 150/5200-33)

(1) If allowed, avigation easements and disclosure must be required as a condition of development.
(2) Any structures associated with uses allowed in the RPZ must be located outside the RPZ.
(3) If no reasonable alternative exists, use should be located as far from extended centerline as possible.
(4) If no reasonable alternative exists, use should be located as far from extended runway centerline and traffic patterns as possible.
(5) Transportation facilities in the RPZ (i.e. roads, railroads, waterways) must be configured to comply with Part 77 requirements.

CRITERIA

Land Use Availability	Interpretation/Comments
++ Clearly Acceptable	The activities associated with the specified land use will experience little or no impact due to airport operations. Disclosure of airport proximity should be required as a condition of development.
+ Normally Acceptable	The specified land use is acceptable in this zone or area. Impact may be perceived by some residents. Disclosure of airport proximity should be required as a condition of development. Dedication of avigation easements may also be advisable.
o Conditionally Acceptable	If appropriate disclosure avigation easements and density limitations are put in place, residential uses and uses involving indoor public assemblies are acceptable.
- Normally Unacceptable	Specified use should be allowed only if no reasonable alternative exists. Disclosure of airport proximity and avigation easements must be required as a condition of development.
- - Clearly Unacceptable	Specified use must not be allowed. Potential safety or overflight nuisance impacts are likely in this area.

LEGEND

- RUNWAY PROTECTION ZONE (RPZ) AS DIMENSIONED ON SHEET 2 OF AIRPORT LAYOUT PLAN.
- APPROACH SURFACE AS DESCRIBED ON THE 14 CFR PART 77 DRAWING OF THE AIRPORT LAYOUT PLAN.
- NO HAZARDOUS WILDLIFE ATTRACTANT PERIMETER
- CHURCH
- HOSPITAL
- SCHOOL
- PARK

TYPICAL TRAFFIC PATTERN DIRECTION AND FLIGHT TRACK AREA.

NOTES

No land fills within 5 miles of the airport.

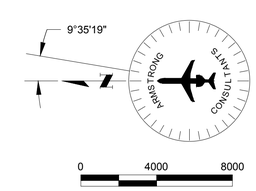
No section 4f land affected by the airport.

NOTICE OF PROPOSED CONSTRUCTION

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.

AIRPORT OVERLAY ZONING IN EFFECT

NONE



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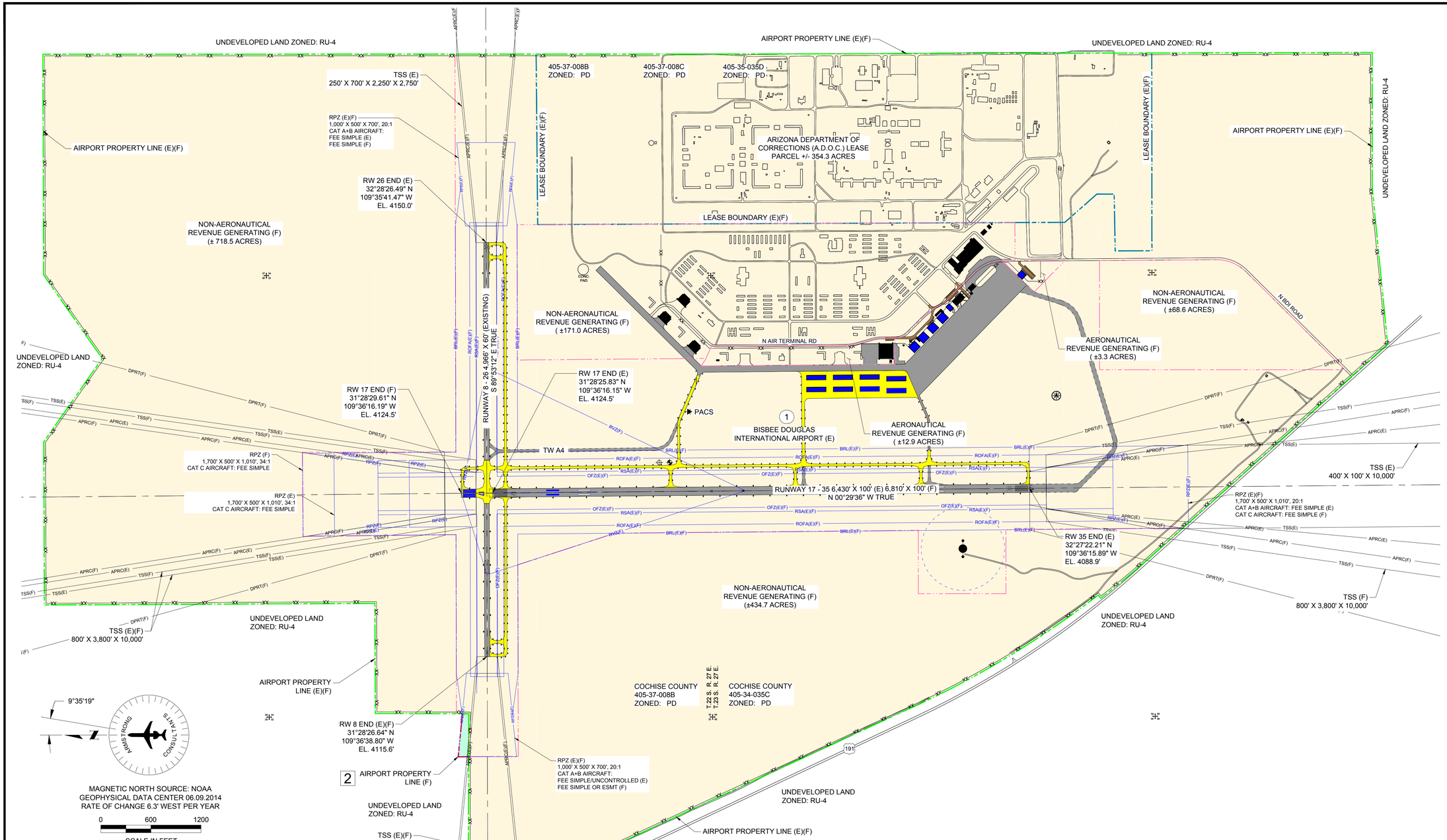
OFF-AIRPORT
LAND USE
DRAWING



PROPERTY TO BE ACQUIRED

PARCEL	INTEREST	LOCATION	ACREAGE	PURPOSE
2	FEE OR EASEMENT	PART OF NE 1 / 4 SECT. 32, T22S, R27E	±23.5	RUNWAY PROTECTION ZONE

EXISTING AIRPORT PROPERTY

PARCEL	CURRENT OWNER	INTEREST	LOCATION	BOOK/PAGE	DATE	ACREAGE	FEDERAL PARTICIPATION
1	COCHISE COUNTY	FEE SIMPLE	PORTIONS OF SECT. 27, 28, 32, 33, 34, T22S R27E, ALONG WITH PORTIONS OF SECT. 3, 4, 5, 9, 10 T23S R27E, COCHISE COUNTY ARIZONA.	DOCKET 25, PAGE 540-559	APR 1, 1949	±2,665.9	NONE

LEGEND

EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	DESCRIPTION
		AIRFIELD DEVELOPMENT (ASPH/CONC)			THRESHOLD LIGHTS
		STRUCTURE/FACILITIES (BUILDING)			REIL
		PROPERTY LINE (APL) / EASEMENT			VASI/PAPI
		LAND USE LINE			AIRPORT BEACON
RSA(E)	RSA(F)	RUNWAY SAFETY AREA (RSA)			WIND CONE & SEGMENTED CIRCLE
OFZ(E)	OFZ(F)	OBSTACLE FREE ZONE (OFZ)			AWOS/ASOS
ROFA(E)	ROFA(F)	RUNWAY OBJECT FREE AREA (ROFA)			LIGHTED WIND CONE
RPZ(E)	RPZ(F)	RUNWAY PROTECTION ZONE (RPZ)		N/A	SECTION CORNER
BRL(E)	BRL(F)	BUILDING RESTRICTION LINE (BRL)	4125	N/A	CONTOURS
TSA(E)	TSA(F)	TAXIWAY SAFETY AREA (TSA)			ROADS/PARKING
TOFA(E)	TOFA(F)	TAXIWAY OBJECT FREE AREA (TOFA)			MARKINGS
	RVZ(F)	RUNWAY VISIBILITY ZONE (RVZ)			FENCING
		AIRPORT REFERENCE POINT (ARP)			RUNWAY EDGE LIGHT
		TO BE REMOVED			TAXIWAY EDGE LIGHT

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EXHIBIT "A"
PROPERTY
MAP

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AERIAL PHOTOGRAPH