RYAN AIRFIELD
AIRPORT LAYOUT PLANS

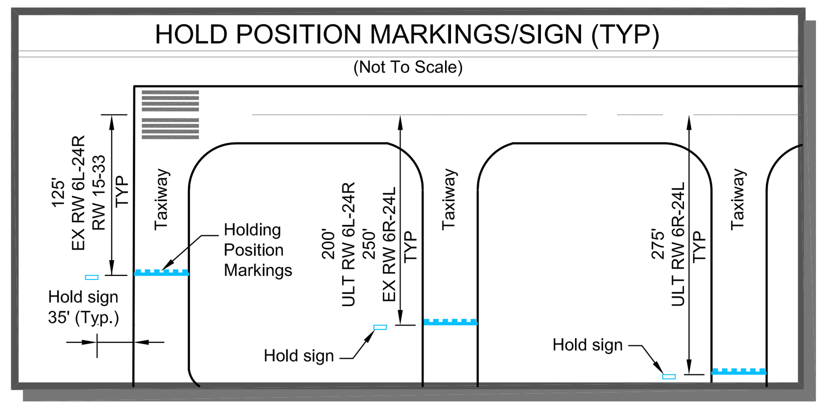
PREPARED FOR THE
TUCSON AIRPORT AUTHORITY

DRAWING INDEX

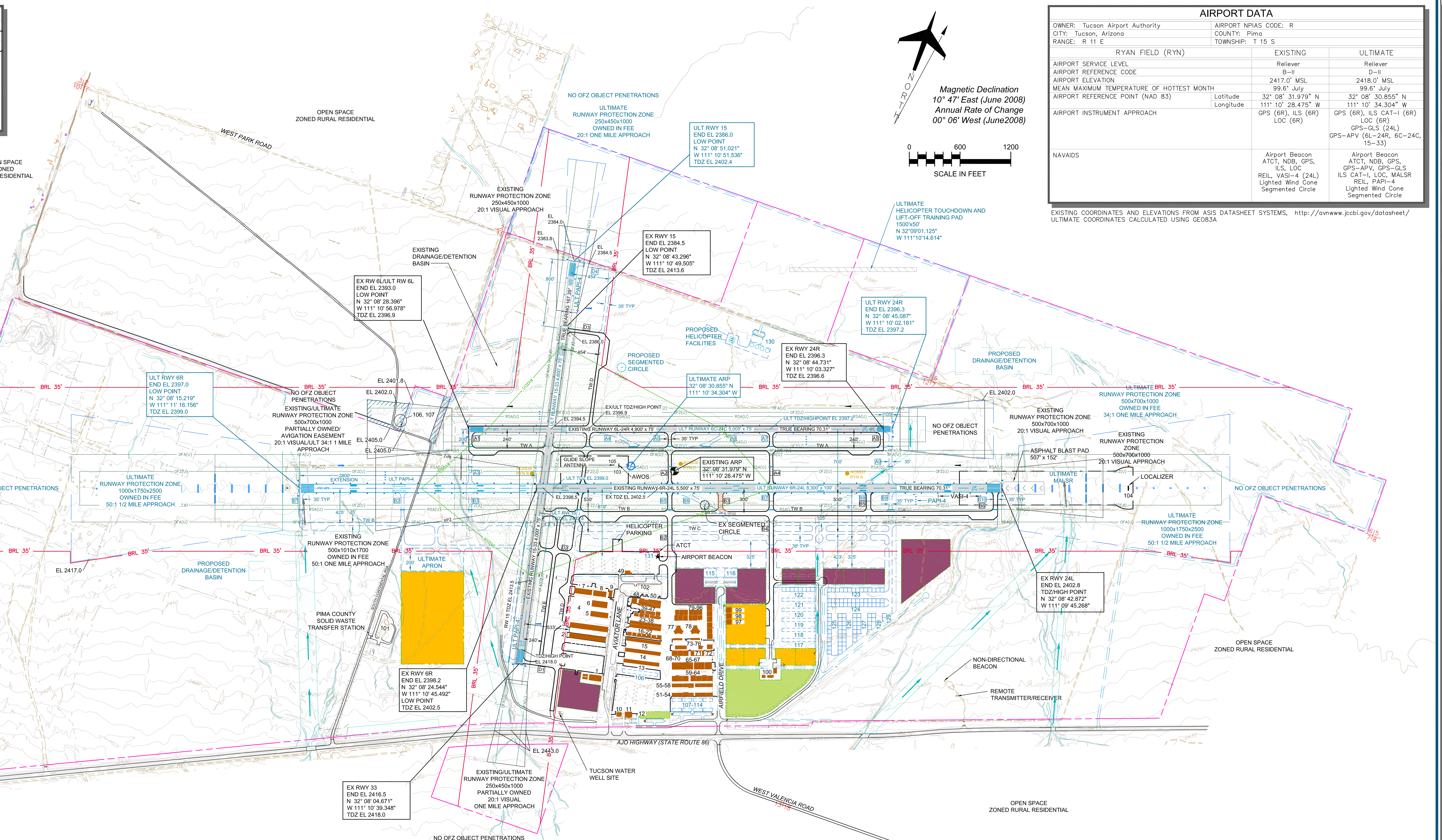
TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

Coffman Associates
Airport Consultants

February 15, 2011



	Aviation Related Revenue Support
	Non-Aviation Revenue Support
	Hangar Developement Parcels
	Drainage Channel with Flow Direction
	Box Culverts with Flow Direction



AIRPORT DATA

OWNER: Tucson Airport Authority	AIRPORT NPIAS CODE: R
CITY: Tucson, Arizona	COUNTY: Pima
RANGE: R 11 E	TOWNSHIP: T 15 S

RYAN FIELD (RYN)		EXISTING	ULTIMATE
AIRPORT SERVICE LEVEL		Reliever	Reliever
AIRPORT REFERENCE CODE		B–II	D–II
AIRPORT ELEVATION		2417.0' MSL	2418.0' MSL
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH		99.6° July	99.6° July
AIRPORT REFERENCE POINT (NAD 83)	Latitude	32° 08' 31.979" N	32° 08' 30.855" N
	Longitude	111° 10' 28.475" W	111° 10' 34.304" W
AIRPORT INSTRUMENT APPROACH		GPS (6R), ILS (6R) LOC (6R)	GPS (6R), ILS CAT–I (6R) LOC (6R) GPS–GLS (24L) GPS–APV (6L–24R, 6C–24C, 15–33)
NAVAIDS		Airport Beacon ATCT, NDB, GPS, ILS, LOC REIL, VASI–4 (24L) Lighted Wind Cone Segmented Circle	Airport Beacon ATCT, NDB, GPS, GPS–APV, GPS–GLS ILS CAT–I, LOC, MALSR REIL, PAPI–4 Lighted Wind Cone Segmented Circle

EXISTING COORDINATES AND ELEVATIONS FROM ASIS DATASHEET SYSTEMS, http://avnwww.jccbi.gov/datasheet/
ULTIMATE COORDINATES CALCULATED USING GEO83A

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
32 33 / 5 4		SECTION CORNERS
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		AVIGATION EASEMENT
BRL		BUILDING RESTRICTION LINE
		STRUCTURES ON AIRPORT
		STRUCTURE OFF AIRPORT
		AIRPORT PAVEMENT
x	x	FENCING
		GLIDESLOPE ANTENNA
		ILS CRITICAL AREA
N/A		ABANDON PAVEMENT
	H	HELICOPTER PARKING
N/A		HELICOPTER TRAINING PAD
		HOLD MARKING
		LIGHTED WINDSOCK
		EXISTING LOCALIZER
		MEDIUM INTENSITY RUNWAY LIGHTING
OFA	OFA(U)	OBJECT FREE AREA
RSA	RSA(U)	RUNWAY SAFETY AREA
OFZ	OFZ(U)	OBSTACLE FREE ZONE
		PRECISION OBSTACLE FREE ZONE
		RUNWAY PROTECTION ZONE
RVZ		ULTIMATE RUNWAY VISIBILITY ZONE
		ULTIMATE PAPI
		RUNWAY END IDENTIFIER LIGHTS (REILS)
RYN		SURVEY MONUMENT WITH IDENTIFIER
B2	B2	TAXIWAY DESIGNATION
T		TIE DOWN
2400	2400	TOPOGRAPHY
		VASI–4
		MALSR

RUNWAY END COORDINATES (NAD 83)

RUNWAY	LATITUDE	LONGITUDE
EXISTING RUNWAY 6R	32° 08' 24.544" N	111° 10' 45.492" W
ULTIMATE RUNWAY 6R	32° 08' 15.219" N	111° 11' 16.156" W
EXISTING RUNWAY 24L	32° 08' 42.872" N	111° 09' 45.268" W
EXISTING RUNWAY 6L	32° 08' 28.396" N	111° 10' 56.978" W
EXISTING RUNWAY 24R	32° 08' 44.731" N	111° 10' 03.327" W
ULTIMATE RUNWAY 24R	32° 08' 45.087" N	111° 10' 02.181" W
EXISTING RUNWAY 15	32° 08' 43.296" N	111° 10' 49.505" W
ULTIMATE RUNWAY 15	32° 08' 51.021" N	111° 10' 51.536" W
EXISTING RUNWAY 33	32° 08' 04.671" N	111° 10' 39.348" W

EXISTING RUNWAY END COORDINATES NOTED IN ABOVE TABLE FROM ASIS DATASHEET SYSTEMS, http://avnwww.jccbi.gov/datasheet/

SURVEY CONTROL STATIONS

ID	PERMANENT IDENTIFIER	LATITUDE	LONGITUDE
RYN A	AC6837	32° 08' 38.421" N	111° 10' 05.924" W
RYN B	AC6838	32° 08' 25.977" N	111° 10' 46.733" W
RYN C	AC6836	32° 08' 32.919" N	111° 10' 27.932" W

RYN A SETTING: IN TOP OF CONCRETE MONUMENT FLUSH WITH GROUND
RYN B SETTING: IN PREFABRICATED CONCRETE POST IMBEDDED IN GROUND
RYN C SETTING: STAINLESS STEEL ROD W/O SLEEVE (10' +)

GENERAL NOTES:

1. HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983 – NAD83, STATE PLANE, ARIZONA CENTRAL, FIPS 0202;
   VERTICAL DATUM: NORTH AMERICAN DATUM 1988 – NAVD88.
2. ALL EXISTING RUNWAY END ELEVATIONS, COORDINATES, AND BEARINGS NOTED IN THIS ALP FROM ASIS DATASHEET SYSTEMS, http://avnwww.jccbi.gov/datasheet/ PER STANTEC CONSULTING
3. SURVEY OF ON–AIRPORT ENVIRONS PROVIDED BY STANTEC CONSULTING.
4. ALL ULTIMATE COORDINATES CALCULATED WITH GEO83A
5. NO OFZ PENETRATIONS
6. SEE AIRPORT LAND USE DRAWING, SHEET 18 OF 19 FOR RECOMMENDED LAND USES WITHIN THE AIRPORT ENVIRONS.

FAA APPROVAL STAMP

Approved conditionally MAR 8 2011
Subject to comments contained in our letter dated: MAR 8 2011
FEDERAL AVIATION ADMINISTRATION
Western-Pacific Region
By
Manager - LAX/ADO

FOR APPROVAL BY
Tucson Airport Authority
DATE: 3/2/11

No.	REVISIONS	BY		DATE
2	2006 AIRPORT MASTER PLAN UPDATE – AIP# 28	DLH.	JMH	02/15/11
1	1999 AIRPORT MASTER PLAN UPDATE – AIP# N857	RAL	SGB	02/29/00

"THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A PLANNING 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."

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

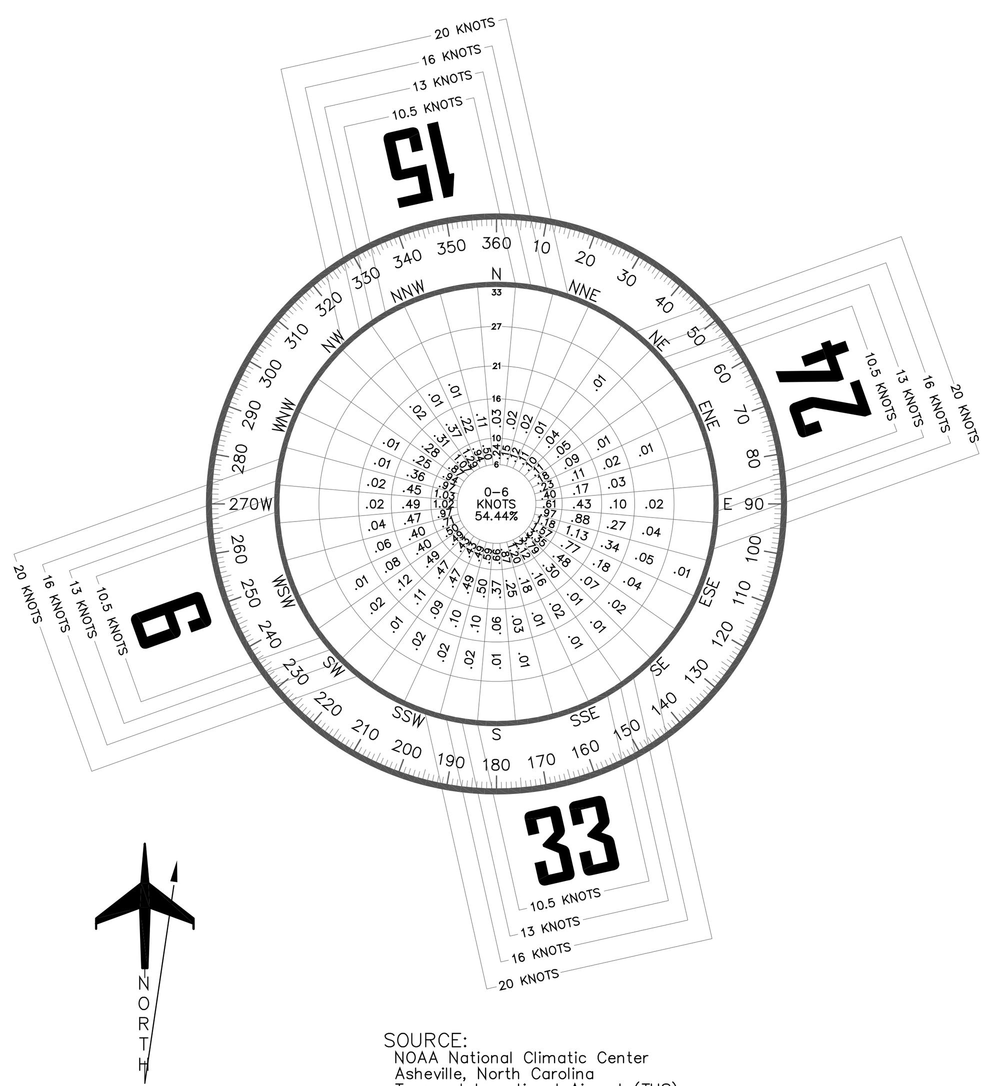
RYAN AIRFIELD
AIRPORT LAYOUT DRAWING
Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 — SHEET 1 OF 19

Coffman Associates
Airport Consultants
www.coffmanassociates.com

ALL WEATHER WIND COVERAGE				
Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 6–24	94.47%	97.36%	99.43%	99.88%
Runway 15–33	92.10%	95.65%	98.72%	99.75%
Combined	98.47%	99.58%	99.92%	99.99%

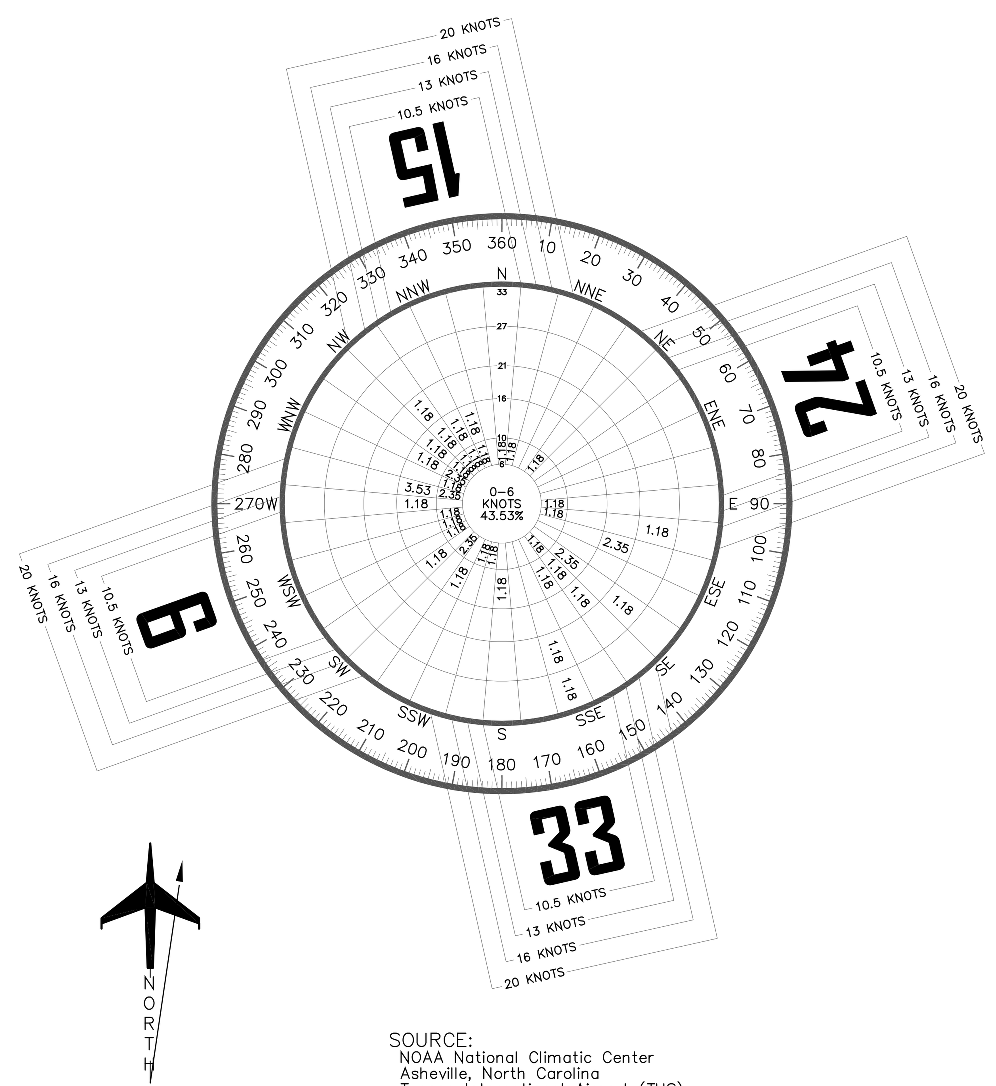


Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

SOURCE:
NOAA National Climatic Center
Asheville, North Carolina
Tucson International Airport (TUS)
Tucson, Arizona

OBSERVATIONS:
78,630 All Weather Observations
1997–2006

IFR CAT–I WIND COVERAGE				
Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 6–24	78.50%	85.93%	91.79%	95.09%
Runway 15–33	87.96%	91.54%	96.10%	97.70%
Combined	93.74%	96.81%	98.54%	98.82%



Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

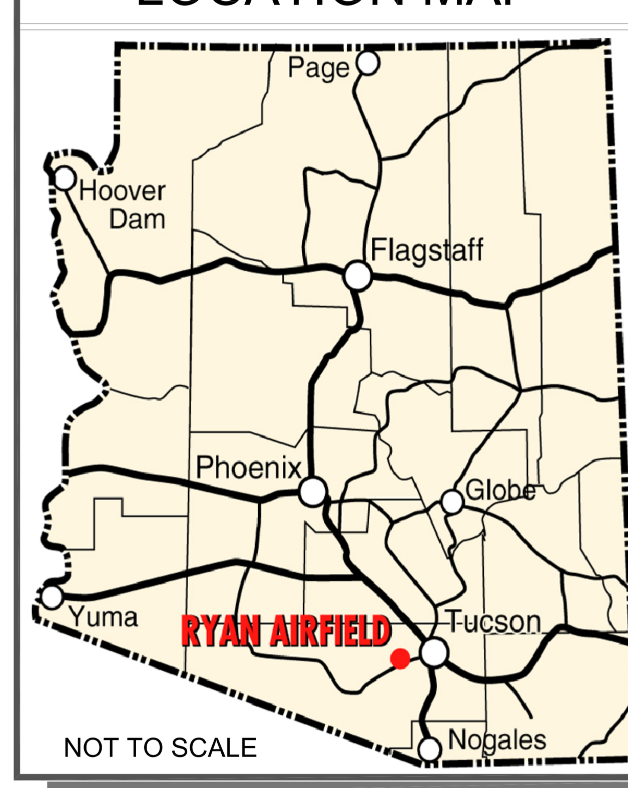
SOURCE:
NOAA National Climatic Center
Asheville, North Carolina
Tucson International Airport (TUS)
Tucson, Arizona

OBSERVATIONS:
85 IFR CAT–I Observations
1997–2006

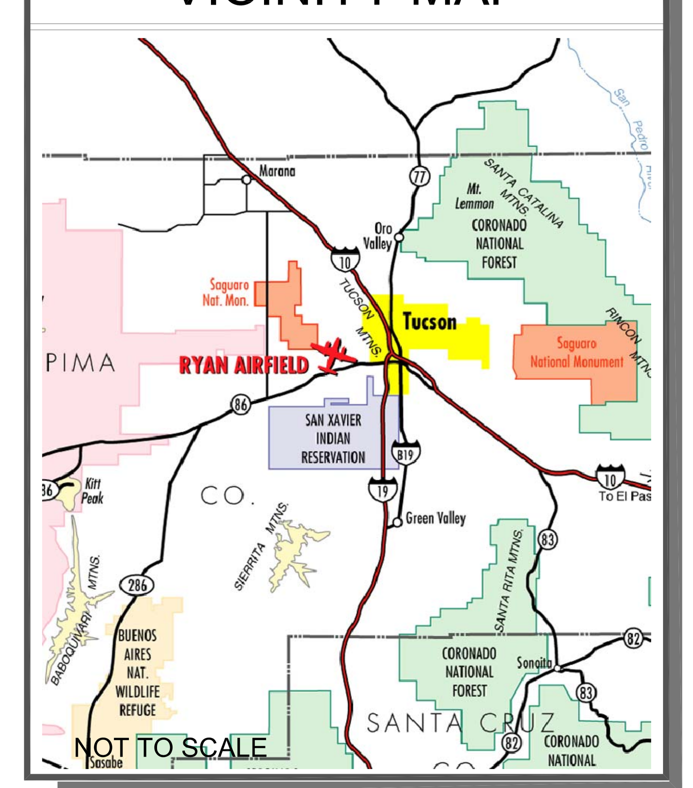
RUNWAY DATA	RUNWAY 6R-24L				RUNWAY 6L-24R				RUNWAY 15-33			
	EXISTING		ULTIMATE		EXISTING		ULTIMATE		EXISTING		ULTIMATE	
	6R	24L	6R	24L	6L	24R	6L	24R	15	33	15	33
AIRCRAFT APPROACH CATEGORY–DESIGN GROUP	B–II		D–II		B–II		B–II		B–I (Small Aircraft)		B–I (Small Aircraft)	
FAR PART 77 CATEGORY	Precision	Visual	Precision	Precision	Visual	Visual	Nonprecision	Nonprecision	Visual	Visual	Nonprecision	Nonprecision
APPROACH VISIBILITY MINIMUMS	1 Mile	Visual	1/2 Mile	1/2 Mile	Visual	Visual	1 Mile	1 Mile	Visual	Visual	1 Mile	1 Mile
DESIGN CRITICAL AIRCRAFT	Citation 560 EXCEL		Gulfstream IV		King Air 100		Citation 560 EXCEL		King Air 100		King Air 100	
WINGSPAN OF DESIGN AIRCRAFT	55.7'		77.83'		45.8'		55.7'		45.8'		45.8'	
UNDERCARRIAGE WIDTH OF DESIGN AIRCRAFT	25.2'		18.6'		13'		25.2'		13'		13'	
APPROACH SPEED (KNOTS) OF DESIGN AIRCRAFT	107		145		111		107		111		111	
MAXIMUM CERTIFIED TAKEOFF WEIGHT (LBS) OF DESIGN AIRCRAFT	20,000		71,780		11,800		20,000		11,800		11,800	
RUNWAY EFFECTIVE GRADIENT	0.08%		0.07%		0.1%		0.07%		0.8%		0.6%	
RUNWAY MAXIMUM GRADIENT	0.08%		0.07%		0.2%		0.07%		0.8%		0.6%	
PAVEMENT DESIGN STRENGTH (in thousand lbs.)	12.5 (S), 30 (DW)		30 (S), 75 (DW)		12.5 (S), 30 (DW)		12.5 (S), 30 (DW)		12.5 (S)		12.5 (S)	
RUNWAY APPROACH SLOPE	50:1	20:1	50:1	50:1	20:1	20:1	34:1	34:1	20:1	20:1	20:1	20:1
RUNWAY END ELEVATION (MSL)	2398.2'	2402.8'	2397.0'	2402.8'	2393.0'	2396.3'	2393.0'	2396.3'	2384.5'	2416.5'	2386.0'	2416.5'
RUNWAY TOUCHDOWN ZONE ELEVATION (MSL)	2402.5'	2402.8'	2399.0'	2402.8'	2396.9'	2397.2'	2396.9'	2397.2'	2413.5'	2418.0'	2402.4'	2418.0'
RUNWAY HIGH POINT ELEVATION (MSL)	2402.8'		2402.8'		2396.9'		2397.2'		2418.0'		2418.0'	
RUNWAY LOW POINT ELEVATION (MSL)	2398.2'		2397.0'		2393.0'		2393.0'		2384.5'		2384.5'	
LINE OF SIGHT REQUIREMENT MET	YES		YES		YES		YES		YES		YES	
RUNWAY LENGTH	5500'		8300'		4900'		5005'		4000'		4800'	
RUNWAY WIDTH	75'		100'		75'		75'		75'		75'	
RUNWAY BEARING (TRUE)	70.31°	250.32°	70.31°	250.32°	70.31°	250.32°	70.31°	250.32°	167.39°	347.39°	167.39°	347.39°
RUNWAY SAFETY AREA LENGTH BEYOND RUNWAY END	300'	300'	1000'	1000'	300'	300'	300'	300'	240'	240'	240'	240'
RUNWAY SAFETY AREA WIDTH	150'		500'		150'		150'		120'		120'	
RUNWAY OBJECT FREE AREA LENGTH BEYOND RUNWAY END	300'	300'	1000'	1000'	300'	300'	300'	300'	240'	240'	240'	240'
RUNWAY OBJECT FREE AREA WIDTH	500'		800'		500'		500'		250'		250'	
RUNWAY OBSTACLE FREE ZONE LENGTH BEYOND RUNWAY END	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'
RUNWAY OBSTACLE FREE ZONE WIDTH	400'		400'		400'		400'		250'		250'	
RUNWAY PROTECTION ZONE DIMENSIONS	500' x 1010' x 1700'	500' x 700' x 1000'	1000' x 1750' x 2500'	1000' x 1750' x 2500'	500' x 700' x 1000'	500' x 700' x 1000'	500' x 700' x 1000'	500' x 700' x 1000'	250' x 450' x 1000'	250' x 450' x 1000'	250' x 450' x 1000'	250' x 450' x 1000'
DISTANCE FROM RUNWAY CENTERLINE TO HOLD BARS AND SIGNS	250'		275'		125'		200'		125'		125'	
RUNWAY MARKING	Precision	Visual	Precision	Precision	Visual	Visual	Nonprecision	Nonprecision	Visual	Visual	Nonprecision	Nonprecision
STANDARD SEPARATION – RUNWAY CL TO PARALLEL TAXIWAY CL	300'		425'		240'		240'		240'		240'	
STANDARD SEPARATION – RUNWAY CL TO AIRCRAFT PARKING AREA	250'		525'		250'		250'		125'		125'	
STANDARD SEPARATION – TAXIWAY CL TO FIXED OR MOVABLE OBJECT	65.5'		65.5'		65.5'		65.5'		44.5'		44.5'	
RUNWAY THRESHOLD DISPLACEMENT	0'	0'	0'	0'	0'	0'	0'	0'	0'	0'	0'	0'
RUNWAY SURFACE MATERIAL	Asphalt		Asphalt		Asphalt		Asphalt		Asphalt		Asphalt	
RUNWAY PAVEMENT SURFACE TREATMENT	NO		NO		NO		NO		NO		NO	
RUNWAY LIGHTING	MIRL		MIRL		NO		MIRL		NO		MIRL	
TAXIWAY WIDTH	Varies (35' Standard)		Varies (35' Standard)		35'		35'		35'		35'	
TAXIWAY SURFACE MATERIAL	Asphalt		Asphalt		Asphalt		Asphalt		Asphalt		Asphalt	
TAXIWAY OBJECT FREE AREA WIDTH	131'		131'		131'		131'		89'		89'	
TAXIWAY SAFETY AREA WIDTH	79'		79'		79'		79'		49'		49'	
TAXIWAY WING TIP CLEARANCE	26'		26'		26'		26'		20'		20'	
TAXIWAY MARKING	Centerline		Centerline		Centerline		Centerline		Centerline		Centerline	
TAXIWAY LIGHTING	MITL		MITL		NONE		MITL		NO		MITL	
RUNWAY NAVIGATIONAL AIDS	NDB/GPS (6R) ILS (6R)		NDB/GPS (6R) ILS CAT–1 (6R) GLS (6R, 24L)		NO		GPS (APV)		NO		GPS (APV)	
RUNWAY VISUAL AIDS	Rotating Beacon REIL (6R) VASI–4 (24L) Lighted Wind Cone Segmented Circle		Rotating Beacon MALSR (6R,24L) REIL (6R, 24L) PAPI–4 (6R,24L) Lighted Wind Cone Segmented Circle		Rotating Beacon Lighted Wind Cone Segmented Circle		Rotating Beacon PAPI–4 (6L,24R) Lighted Wind Cone Segmented Circle REIL (6L,24R)		Rotating Beacon Segmented Circle Lighted Wind Cone		Rotating Beacon PAPI–4 (15,33) Lighted Wind Cone Segmented Circle REIL (15,33)	

EXISTING COORDINATE AND ELEVATIONAL DATA DERIVED FROM ASIS DATASHEET SYSTEMS, http://avnwww.jccbi.gov/datasheet/

LOCATION MAP



VICINITY MAP



EXISTING AIRPORT BUILDING TABLE

NO.	DESCRIPTION	TOP ELEV
1	FLIGHT SCHOOL	2435.8
2	T–HANGARS	2434.4
3	CLEARSPAN HANGARS	2434.8
4	NOSE SHADE HANGAR	2419.0*
5	EXECUTIVE HANGAR	2428.5
6	EXECUTIVE HANGAR	2429.0
7	EXECUTIVE HANGAR	2426.2
8	EXECUTIVE HANGAR	2430.2
9	OFFICE BUILDING	2432.6
10	RESTAURANT	2442.0
11	TAA ADMINISTRATION BUILDING	2443.1
12	SELF–SERVE FUELING FACILITY	2436.0*
13	SHADE HANGARS	2431.7
14	SHADE HANGARS	2432.9
15	T–HANGARS	2440.7
16	CONVENTIONAL HANGAR	2433.1
17	CONVENTIONAL HANGAR	2433.0
18	CONVENTIONAL HANGAR	2433.1
19	CONVENTIONAL HANGAR	2433.1
20	CONVENTIONAL HANGAR	2432.9
21	CONVENTIONAL HANGAR	2433.2
22	CONVENTIONAL HANGAR	2233.4
23	CONVENTIONAL HANGAR	2429.7
24	CONVENTIONAL HANGAR	2430.1
25	CONVENTIONAL HANGAR	2430.1
26	CONVENTIONAL HANGAR	2430.3
27	CONVENTIONAL HANGAR	2430.1
28	CONVENTIONAL HANGAR	2430.1
29	CONVENTIONAL HANGAR	2430.0
30	CONVENTIONAL HANGAR	2430.3
31	CONVENTIONAL HANGAR	2429.0
32	CONVENTIONAL HANGAR	2429.5
33	CONVENTIONAL HANGAR	2429.6
34	CONVENTIONAL HANGAR	2429.2
35	CONVENTIONAL HANGAR	2429.3
36	CONVENTIONAL HANGAR	2429.1
37	CONVENTIONAL HANGAR	2429.1
38	CONVENTIONAL HANGAR	2429.2
39	CONVENTIONAL HANGAR	2431.8
40	CONVENTIONAL HANGAR	2431.9
41	CONVENTIONAL HANGAR	2431.7
42	CONVENTIONAL HANGAR	2432.0
43	CONVENTIONAL HANGAR	2432.1
44	CONVENTIONAL HANGAR	2432.0
45	CONVENTIONAL HANGAR	2431.6
46	CONVENTIONAL HANGAR	2431.5
47	CONVENTIONAL HANGAR	2430.8

EXISTING AIRPORT BUILDING TABLE

NO.	DESCRIPTION	TOP ELEV
48	CONVENTIONAL HANGAR	2438.1
49	WASH RACK	2437.3
50	EXECUTIVE HANGAR	2445.7
51	CONVENTIONAL HANGAR	2447.1
52	CONVENTIONAL HANGAR	2444.0
53	CONVENTIONAL HANGAR	2446.0
54	CONVENTIONAL HANGAR	2445.8
55	CONVENTIONAL HANGAR	2447.0
56	CONVENTIONAL HANGAR	2444.1
57	CONVENTIONAL HANGAR	2445.4
58	CONVENTIONAL HANGAR	2443.4
59	CONVENTIONAL HANGAR	2442.0
60	EXECUTIVE HANGAR	2442.8
61	CONVENTIONAL HANGAR	2443.0
62	CONVENTIONAL HANGAR	2443.2
63	CONVENTIONAL HANGAR	2442.7
64	CONVENTIONAL HANGAR	2441.1
65	CONVENTIONAL HANGAR	2446.2
66	CONVENTIONAL HANGAR	2443.8
67	CONVENTIONAL HANGAR	2440.1
68	EXECUTIVE HANGAR	2440.6
69	EXECUTIVE HANGAR	2440.5
70	EXECUTIVE HANGAR	2445.8
71	CONVENTIONAL HANGAR	2441.8
72	EXECUTIVE HANGAR	2440.1
73	EXECUTIVE HANGAR	2440.2
74	EXECUTIVE HANGAR	2434.2
75	EXECUTIVE HANGAR	2439.6
76	EXECUTIVE HANGAR	2436.4
77	T–HANGARS	2436.0
78	T–HANGARS	2436.1
79	CONVENTIONAL HANGAR	2433.4
80	CONVENTIONAL HANGAR	2434.3
81	CONVENTIONAL HANGAR	2434.1
82	CONVENTIONAL HANGAR	2434.5
83	CONVENTIONAL HANGAR	2434.0
84	CONVENTIONAL HANGAR	2432.3
85	CONVENTIONAL HANGAR	2432.1
86	CONVENTIONAL HANGAR	2431.9
87	CONVENTIONAL HANGAR	2431.7
88	CONVENTIONAL HANGAR	2431.6
89	CONVENTIONAL HANGAR	2434.1
90	CONVENTIONAL HANGAR	2438.9
91	CONVENTIONAL HANGAR	2438.9
92	CONVENTIONAL HANGAR	2439.0
93	CONVENTIONAL HANGAR	2436.7
94	CONVENTIONAL HANGAR	2435.2

EXISTING AIRPORT BUILDING TABLE

NO.	DESCRIPTION	TOP ELEV
95	CONVENTIONAL HANGAR	2434.4
96	CONVENTIONAL HANGAR	2433.9
97	EXECUTIVE HANGAR	2433.4
98	EXECUTIVE HANGAR	2432.5
99	EXECUTIVE HANGAR	2438.8
100	MAINTENANCE FACILITIES	2442.0
101	SOLID WASTE TRANSFER STATION	NA
102	ELECTRICAL VAULT	NA
103	AWOS	2427.0*
104	LOCALIZER	2409.0*
105	GLIDESLOPE ANTENNA	2426.0*
106	WATER TANK	2399.0*
107	GENERATOR	2404.0*

NA – NOT AVAILABLE; * ESTIMATED

ULTIMATE AIRPORT BUILDING TABLE

NO.	DESCRIPTION	TOP ELEV*
106	SHADE HANGARS	2430.9
107	CONVENTIONAL HANGAR	2448.0
108	CONVENTIONAL HANGAR	2450.0
109	CONVENTIONAL HANGAR	2448.0
110	CONVENTIONAL HANGAR	2449.0
111	CONVENTIONAL HANGAR	2448.0
112	CONVENTIONAL HANGAR	2450.0
113	CONVENTIONAL HANGAR	2448.0
114	CONVENTIONAL HANGAR	2448.0
115	CONVENTIONAL HANGAR	2432.0
116	CONVENTIONAL HANGAR	2432.0
117	T–HANGARS	2436.0
118	T–HANGARS	2436.0
119	T–HANGARS	2436.0
120	T–HANGARS	2436.0
121	T–HANGARS	2436.0
122	CONVENTIONAL HANGAR	2436.0
123	CONVENTIONAL HANGAR	2436.0
124	CONVENTIONAL HANGAR	2434.0
125	CONVENTIONAL HANGAR	2436.0
126	CONVENTIONAL HANGAR	2436.0
127	CONVENTIONAL HANGAR	2435.0
128	CONVENTIONAL HANGAR	2435.0
129	CONVENTIONAL HANGAR	2435.0
130	HELICOPTER FBO	2446.0
131	ELECTRICAL VAULT	2418.0

* – ESTIMATED

DEVIATIONS FROM FAA AIRPORT DESIGN STANDARDS

DEVIATION DESCRIPTION	PROPOSED ACTION
RUNWAY 6L RPZ IS OBSTRUCTED BY A CITY OF TUCSON WATER DEPARTMENT WATER TANK AND GENERATOR.	REQUEST MODIFICATIONS OF DESIGN STANDARD
RUNWAY 33 RPZ IS OBSTRUCTED BY AJO HIGHWAY (STATE ROUTE 86).	REQUEST MODIFICATIONS OF DESIGN STANDARD

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

No.	REVISIONS	BY		DATE
2	2006 AIRPORT MASTER PLAN UPDATE – AIP# 28	DLH.	JMH	02/15/11
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RYAN AIRFIELD

AIRPORT DATA

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 2 OF 19

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EXISTING AIRPORT BUILDING TABLE

NO.	DESCRIPTION	TOP ELEV
1	FLIGHT SCHOOL	2435.8
2	T–HANGARS	2434.4
3	CLEARSPAN HANGARS	2434.8
4	NOSE SHADE HANGAR	2419.0*
5	EXECUTIVE HANGAR	2428.5
6	EXECUTIVE HANGAR	2429.0
7	EXECUTIVE HANGAR	2426.2
8	EXECUTIVE HANGAR	2430.2
9	OFFICE BUILDING	2432.6
10	RESTAURANT	2442.0
11	TAA ADMINISTRATION BUILDING	2443.1
12	SELF–SERVE FUELING FACILITY	2436.0*
13	SHADE HANGARS	2431.7
14	SHADE HANGARS	2432.9
15	T–HANGARS	2440.7
16	CONVENTIONAL HANGAR	2433.1
17	CONVENTIONAL HANGAR	2433.0
18	CONVENTIONAL HANGAR	2433.1
19	CONVENTIONAL HANGAR	2433.1
20	CONVENTIONAL HANGAR	2432.9
21	CONVENTIONAL HANGAR	2433.2
22	CONVENTIONAL HANGAR	2233.4
23	CONVENTIONAL HANGAR	2429.7
24	CONVENTIONAL HANGAR	2430.1
25	CONVENTIONAL HANGAR	2430.1
26	CONVENTIONAL HANGAR	2430.3
27	CONVENTIONAL HANGAR	2430.1
28	CONVENTIONAL HANGAR	2430.1
29	CONVENTIONAL HANGAR	2430.0
30	CONVENTIONAL HANGAR	2430.3
31	CONVENTIONAL HANGAR	2429.0
32	CONVENTIONAL HANGAR	2429.5
33	CONVENTIONAL HANGAR	2429.6
34	CONVENTIONAL HANGAR	2429.2
35	CONVENTIONAL HANGAR	2429.3
36	CONVENTIONAL HANGAR	2429.1
37	CONVENTIONAL HANGAR	2429.1
38	CONVENTIONAL HANGAR	2429.2
39	CONVENTIONAL HANGAR	2431.8
40	CONVENTIONAL HANGAR	2431.9
41	CONVENTIONAL HANGAR	2431.7
42	CONVENTIONAL HANGAR	2432.0
43	CONVENTIONAL HANGAR	2432.1
44	CONVENTIONAL HANGAR	2432.0
45	CONVENTIONAL HANGAR	2431.6
46	CONVENTIONAL HANGAR	2431.5
47	CONVENTIONAL HANGAR	2430.8

EXISTING AIRPORT BUILDING TABLE

NO.	DESCRIPTION	TOP ELEV
48	CONVENTIONAL HANGAR	2438.1
49	WASH RACK	2437.3
50	EXECUTIVE HANGAR	2445.7
51	CONVENTIONAL HANGAR	2447.1
52	CONVENTIONAL HANGAR	2444.0
53	CONVENTIONAL HANGAR	2446.0
54	CONVENTIONAL HANGAR	2445.8
55	CONVENTIONAL HANGAR	2447.0
56	CONVENTIONAL HANGAR	2444.1
57	CONVENTIONAL HANGAR	2445.4
58	CONVENTIONAL HANGAR	2443.4
59	CONVENTIONAL HANGAR	2442.0
60	EXECUTIVE HANGAR	2442.8
61	CONVENTIONAL HANGAR	2443.0
62	CONVENTIONAL HANGAR	2443.2
63	CONVENTIONAL HANGAR	2442.7
64	CONVENTIONAL HANGAR	2441.1
65	CONVENTIONAL HANGAR	2446.2
66	CONVENTIONAL HANGAR	2443.8
67	CONVENTIONAL HANGAR	2440.1
68	EXECUTIVE HANGAR	2440.6
69	EXECUTIVE HANGAR	2440.5
70	EXECUTIVE HANGAR	2445.8
71	CONVENTIONAL HANGAR	2441.8
72	EXECUTIVE HANGAR	2440.1
73	EXECUTIVE HANGAR	2440.2
74	EXECUTIVE HANGAR	2434.2
75	EXECUTIVE HANGAR	2439.6
76	EXECUTIVE HANGAR	2436.4
77	T–HANGARS	2436.0
78	T–HANGARS	2436.1
79	CONVENTIONAL HANGAR	2433.4
80	CONVENTIONAL HANGAR	2434.3
81	CONVENTIONAL HANGAR	2434.1
82	CONVENTIONAL HANGAR	2434.5
83	CONVENTIONAL HANGAR	2434.0
84	CONVENTIONAL HANGAR	2432.3
85	CONVENTIONAL HANGAR	2432.1
86	CONVENTIONAL HANGAR	2431.9
87	CONVENTIONAL HANGAR	2431.7
88	CONVENTIONAL HANGAR	2431.6
89	CONVENTIONAL HANGAR	2434.1
90	CONVENTIONAL HANGAR	2438.9
91	CONVENTIONAL HANGAR	2438.9
92	CONVENTIONAL HANGAR	2439.0
93	CONVENTIONAL HANGAR	2436.7
94	CONVENTIONAL HANGAR	2435.2

EXISTING AIRPORT BUILDING TABLE

NO.	DESCRIPTION	TOP ELEV
95	CONVENTIONAL HANGAR	2434.4
96	CONVENTIONAL HANGAR	2433.9
97	EXECUTIVE HANGAR	2433.4
98	EXECUTIVE HANGAR	2432.5
99	EXECUTIVE HANGAR	2438.8
100	MAINTENANCE FACILITIES	2442.0
101	SOLID WASTE TRANSFER STATION	NA
102	ELECTRICAL VAULT	NA
103	AWOS	2427.0*
104	LOCALIZER	2409.0*
105	GLIDESLOPE ANTENNA	2426.0*
106	WATER TANK	2399.0*
107	GENERATOR	2404.0*

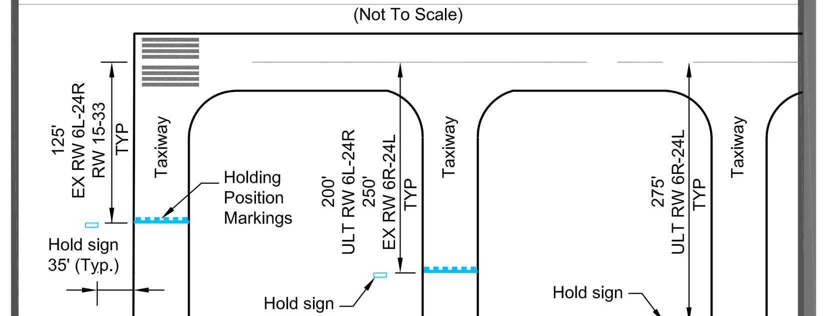
NA – NOT AVAILABLE; * ESTIMATED

ULTIMATE AIRPORT BUILDING TABLE

NO.	DESCRIPTION	TOP ELEV*
106	SHADE HANGARS	2430.9
107	CONVENTIONAL HANGAR	2448.0
108	CONVENTIONAL HANGAR	2450.0
109	CONVENTIONAL HANGAR	2448.0
110	CONVENTIONAL HANGAR	2449.0
111	CONVENTIONAL HANGAR	2448.0
112	CONVENTIONAL HANGAR	2450.0
113	CONVENTIONAL HANGAR	2448.0
114	CONVENTIONAL HANGAR	2448.0
115	CONVENTIONAL HANGAR	2432.0
116	CONVENTIONAL HANGAR	2432.0
117	T–HANGARS	2436.0
118	T–HANGARS	2436.0
119	T–HANGARS	2436.0
120	T–HANGARS	2436.0
121	T–HANGARS	2436.0
122	CONVENTIONAL HANGAR	2436.0
123	CONVENTIONAL HANGAR	2436.0
124	CONVENTIONAL HANGAR	2434.0
125	CONVENTIONAL HANGAR	2436.0
126	CONVENTIONAL HANGAR	2436.0
127	CONVENTIONAL HANGAR	2435.0
128	CONVENTIONAL HANGAR	2435.0
129	CONVENTIONAL HANGAR	2435.0

HOLD POSITION MARKINGS/SIGN (TYP)

(Not To Scale)



LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
32 33 5 4		SECTION CORNERS
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		AVIGATION EASEMENT
BRL		BUILDING RESTRICTION LINE
		STRUCTURES ON AIRPORT
		STRUCTURE OFF AIRPORT
		AIRPORT PAVEMENT
		FENCING
		GLIDESLOPE ANTENNA
		ILS CRITICAL AREA
N/A		ABANDON PAVEMENT
		HELICOPTER PARKING
N/A		HELICOPTER TRAINING PAD
		HOLD MARKING
		LIGHTED WINDSOCK
		EXISTING LOCALIZER
		MEDIUM INTENSITY RUNWAY LIGHTING
OFA	OFA(U)	OBJECT FREE AREA
RSA	RSA(U)	RUNWAY SAFETY AREA
OFZ	OFZ(U)	OBSTACLE FREE ZONE
		PRECISION OBSTACLE FREE ZONE
		RUNWAY PROTECTION ZONE
RVZ	RVZ(U)	ULTIMATE RUNWAY VISIBILITY ZONE
		ULTIMATE PAPI
		RUNWAY END IDENTIFIER LIGHTS
RYN		SURVEY MONUMENT WITH IDENTIFIER
		TIE DOWN
2400	2400	TOPOGRAPHY
		VASI–4
		MALSR

Aviation Related Revenue Support

Non-Aviation Revenue Support

Hangar Developement Parcels

GENERAL NOTES:

1. HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983 – NAD83, STATE PLANE, ARIZONA CENTRAL, FIPS 0202;
VERTICAL DATUM: NORTH AMERICAN DATUM 1988 – NAVD88.

2. ALL EXISTING RUNWAY END ELEVATIONS, COORDINATES, AND BEARINGS NOTED IN THIS ALP FROM ASIS DATASHEET SYSTEMS,
http: //avnwww.jccbi.gov/datasheet/ PER STANTEC CONSULTING

3. SURVEY MAPPING OF ON AIRPORT ENVIRONS PROVIDED BY STANTEC CONSULTING.

4. ALL ULTIMATE COORDINATES CALCULATED WITH GEO83A

NORTH

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 200 400
SCALE IN FEET

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

No.	REVISIONS	BY		DATE
2	2006 AIRPORT MASTER PLAN UPDATE – AIP# 28	DLH.	JMH	02/15/11
1	1999 AIRPORT MASTER PLAN UPDATE – AIP# N857	RAL	SGB	02/29/00

RYAN AIRFIELD

TERMINAL AREA DRAWING

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 3 OF 19

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Airport Consultants
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Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 2000 4000
SCALE IN FEET

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from Ult RW End	Offset from RW Centerline	Penetration	Surface Penetrated	Proposed Remediation

GENERAL NOTES:

1. THE FOLLOWING USGS QUAD MAPS APPLIED AS BACKGROUND: BROWN MOUNTAIN, CAT MOUNTAIN, COCORAQUE BUTTE, SAN XAVIER, SAN XAVIER MISSION SW, THREE POINTS, AND TUCSON.
2. SEE THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR CLOSE-IN OBSTRUCTION DETAILS.

No.	REVISIONS	BY		DATE
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RYAN AIRFIELD

AIRSPACE DRAWING I

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 — SHEET 4 OF 19

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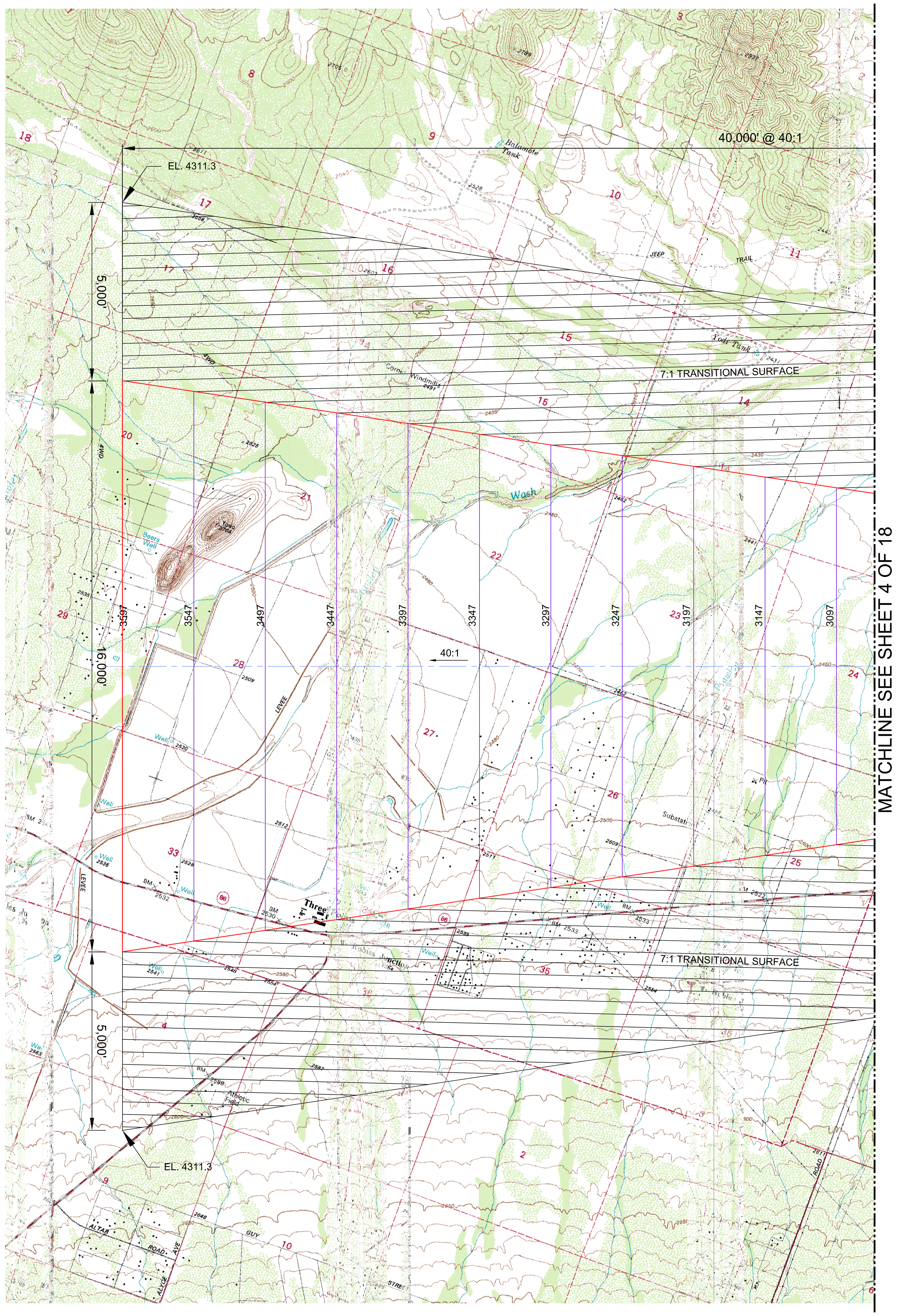

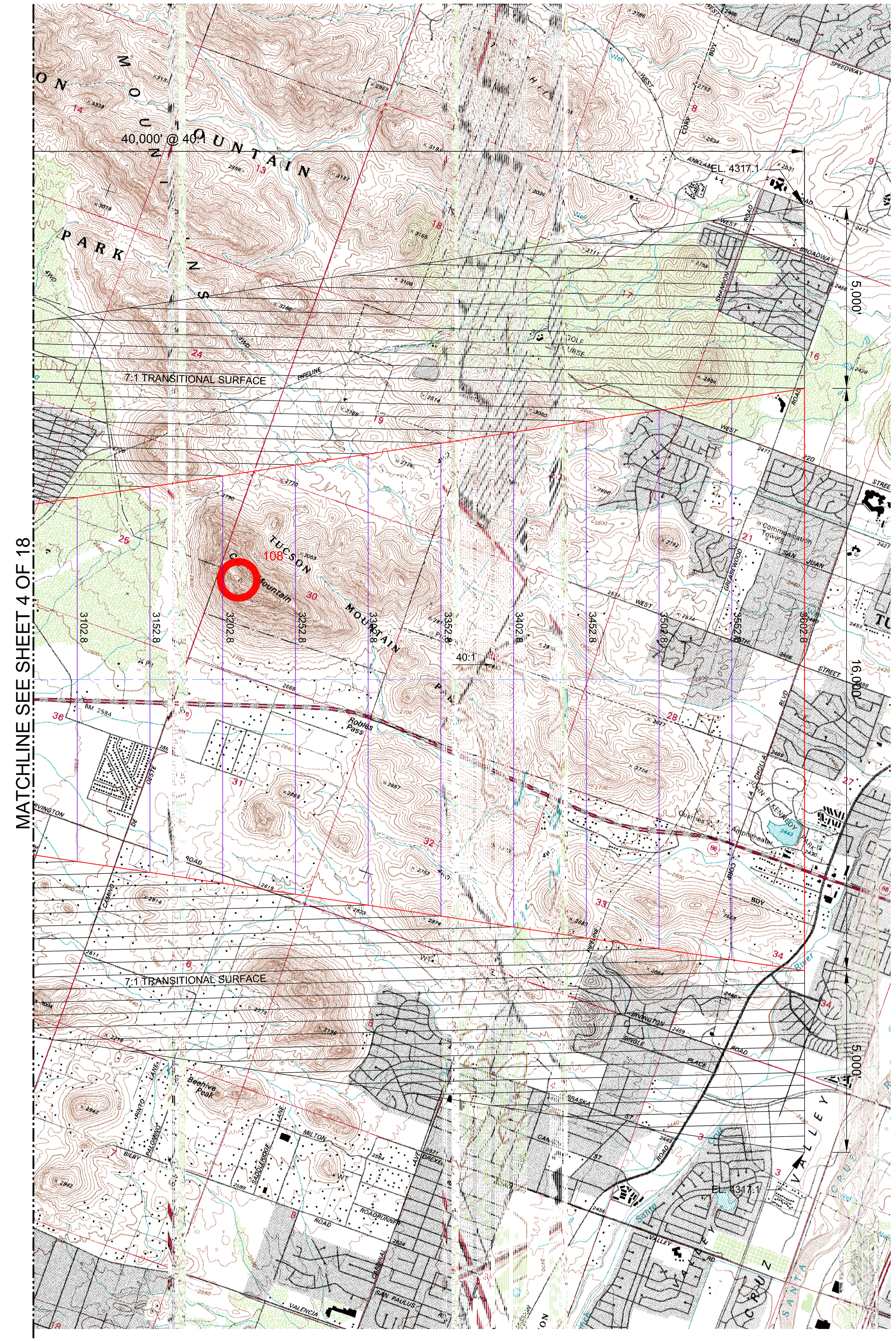

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 2000 4000
SCALE IN FEET

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

RUNWAY OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from Ult RW End	Offset from RW Centerline	Penetration	Surface Penetrated	Proposed Remediation
108	CAT MOUNTAIN	3840'	34654'	2739' R	626'	RW 24L APPROACH	REQUEST AERONAUTICAL STUDY

GENERAL NOTES:

1. THE FOLLOWING USGS QUAD MAPS APPLIED AS BACKGROUND: BROWN MOUNTAIN, CAT MOUNTAIN, COCORAQUE BUTTE, SAN XAVIER, SAN XAVIER MISSION SW, THREE POINTS, AND TUCSON.
2. SEE THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR CLOSE-IN OBSTRUCTIONS.

No.	REVISIONS	BY		DATE
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RYAN AIRFIELD

AIRSPACE DRAWING II

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 5 OF 19

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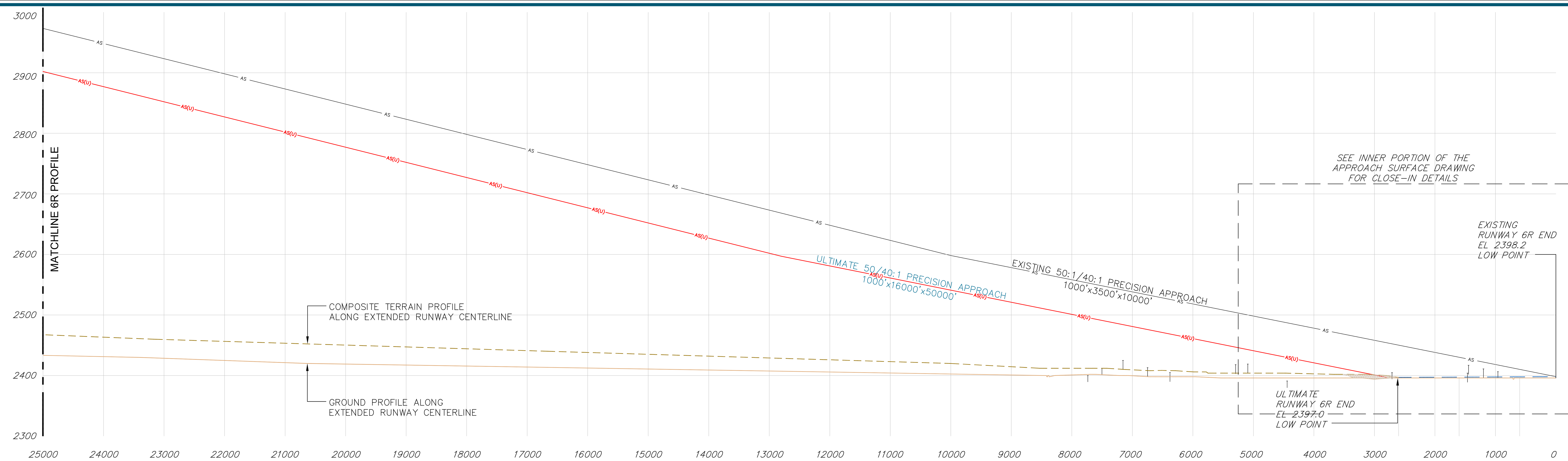
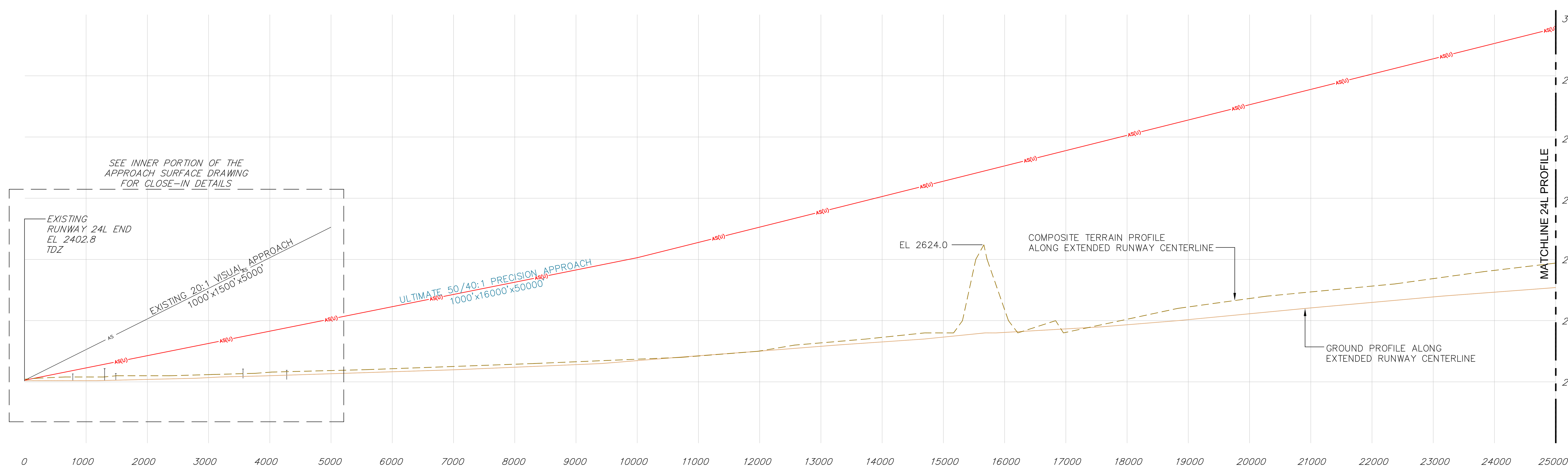


RUNWAY 6R PROFILE
WEST



RUNWAY 24L PROFILE
EAST

GENERAL NOTES:

1. ELEVATIONS ADJUSTED UPWARD 10' FOR A PRIVATE ROAD, 15' FOR A PUBLIC ROAD, 17' FOR AN INTERSTATE HIGHWAY, AND 23' FOR A RAILROAD PER PART 77–OBJECTS AFFECTING NAVIGABLE AIRSPACE, SUBPART C, SECTION 77.23.
2. SEE THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR CLOSE–IN DETAILS.

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

HORIZONTAL SCALE IN FEET (0, 1000, 2000)

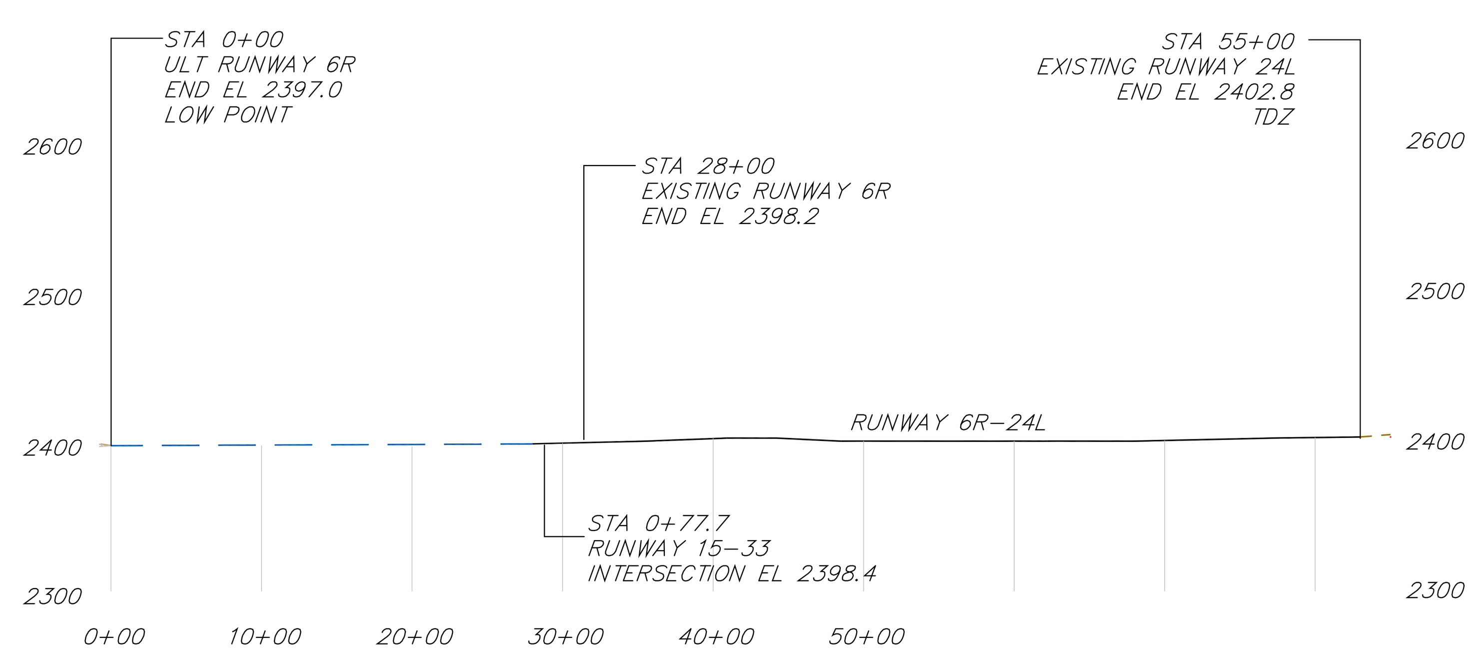
VERTICAL SCALE IN FEET (0, 100, 200)

ULTIMATE RUNWAY 6R-24L OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from RW End	Offset from Centerline	Penetration	Remediation
–	NONE FOUND	–	–	–	–	–

EXISTING RUNWAY 6R-24L OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from RW End	Offset from Centerline	Penetration	Remediation
–	NONE FOUND	–	–	–	–	–



RUNWAY 6R-24L PROFILE

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TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

RYAN AIRFIELD

AIRPORT AIRSPACE PROFILE I 6R-24L

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 — SHEET 6 OF 19

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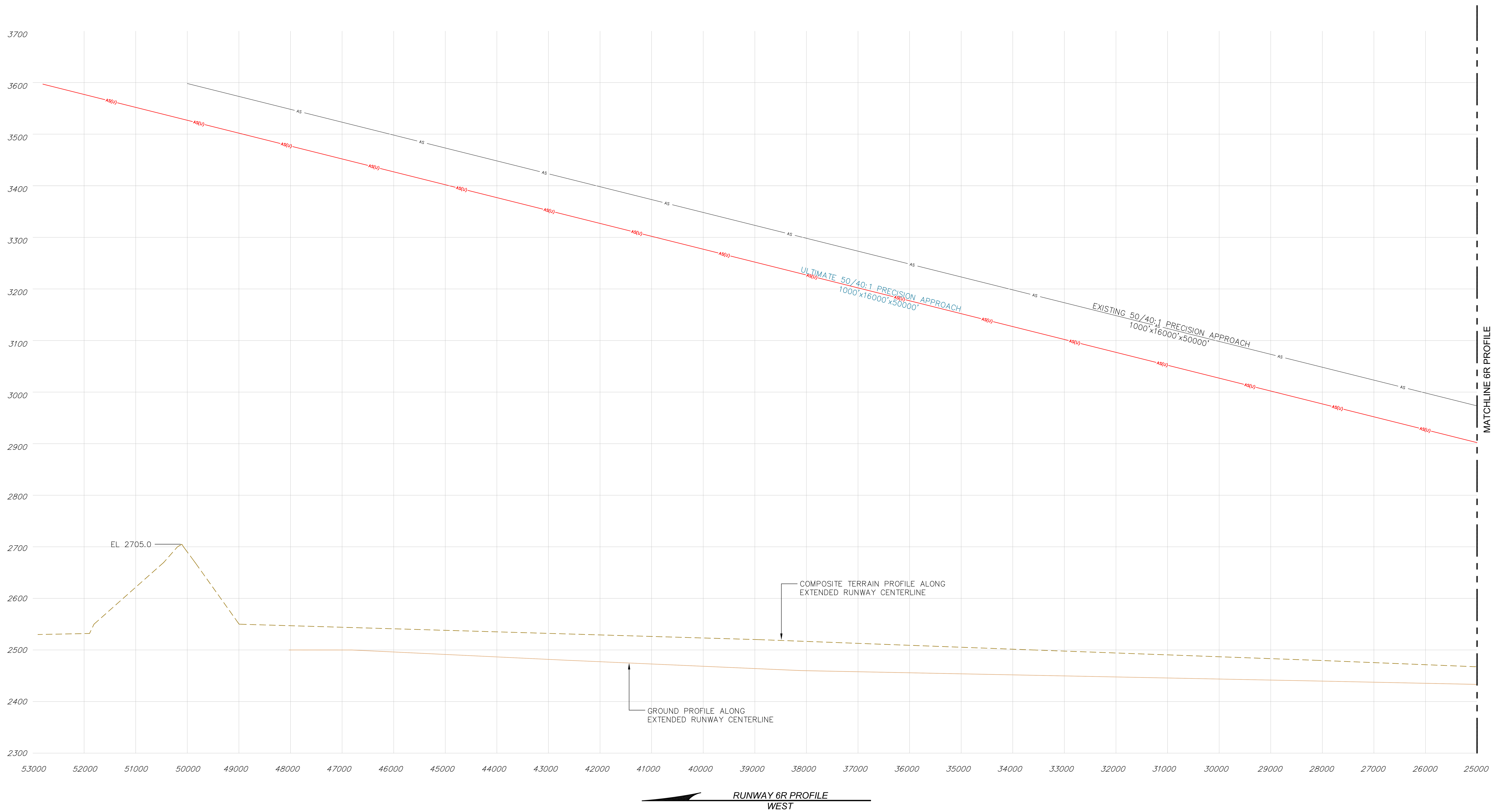

NORTH

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 1000 2000
HORIZONTAL SCALE IN FEET

0 100 200
VERTICAL SCALE IN FEET

GENERAL NOTES:

1. ELEVATIONS ADJUSTED UPWARD 10' FOR A PRIVATE ROAD, 15' FOR A PUBLIC ROAD, 17' FOR AN INTERSTATE HIGHWAY, AND 23' FOR A RAILROAD PER PART 77–OBJECTS AFFECTING NAVIGABLE AIRSPACE, SUBPART C, SECTION 77.23.
2. SEE THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR CLOSE–IN DETAILS.

RUNWAY 6R OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from RW End	Offset from Centerline	Penetration	Remediation
–	NONE FOUND	–	–	–	–	–

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

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RYAN AIRFIELD

AIRPORT AIRSPACE PROFILE II
6R

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 7 OF 19

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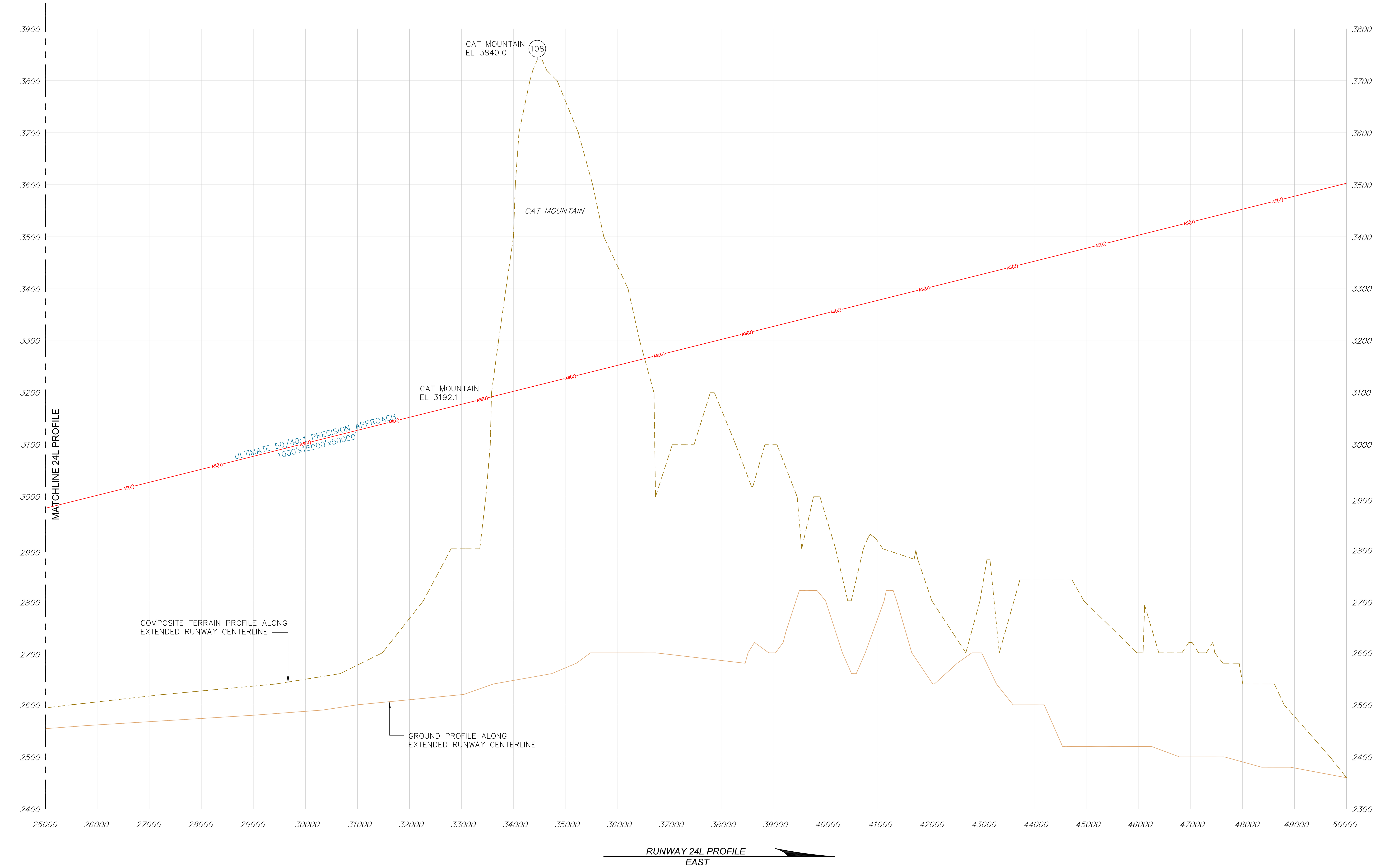

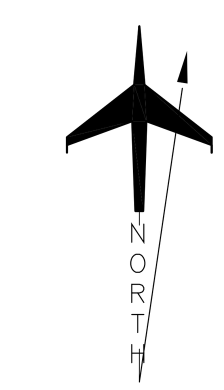

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 1000 2000
HORIZONTAL SCALE IN FEET

0 100 200
VERTICAL SCALE IN FEET

RUNWAY 24L OBSTRUCTION TABLE

No.	Description	Elevation	Distance from RW End	Offset from Centerline	Penetration	Remediation
108	CAT MOUNTAIN	3840'	34,654'	2,653' R	626'	REQUEST AERONAUTICAL STUDY

No.	REVISIONS	BY		DATE
2	2006 AIRPORT MASTER PLAN UPDATE – AIP# 28	DLH.	JMH	02/15/11
1	1999 AIRPORT MASTER PLAN UPDATE – AIP# N857	RAL	SGB	02/29/00

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

RYAN AIRFIELD

AIRPORT AIRSPACE PROFILE III
24L

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011

Coffman Associates
Airport Consultants
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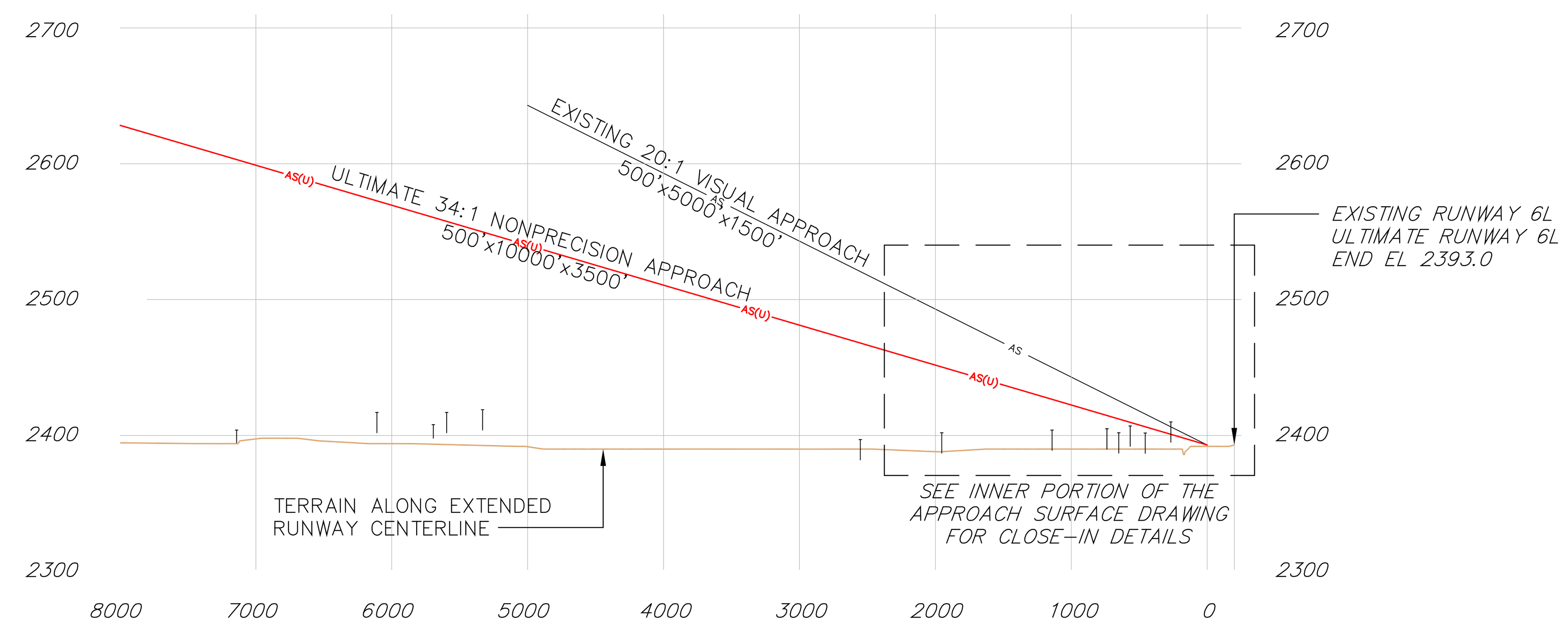
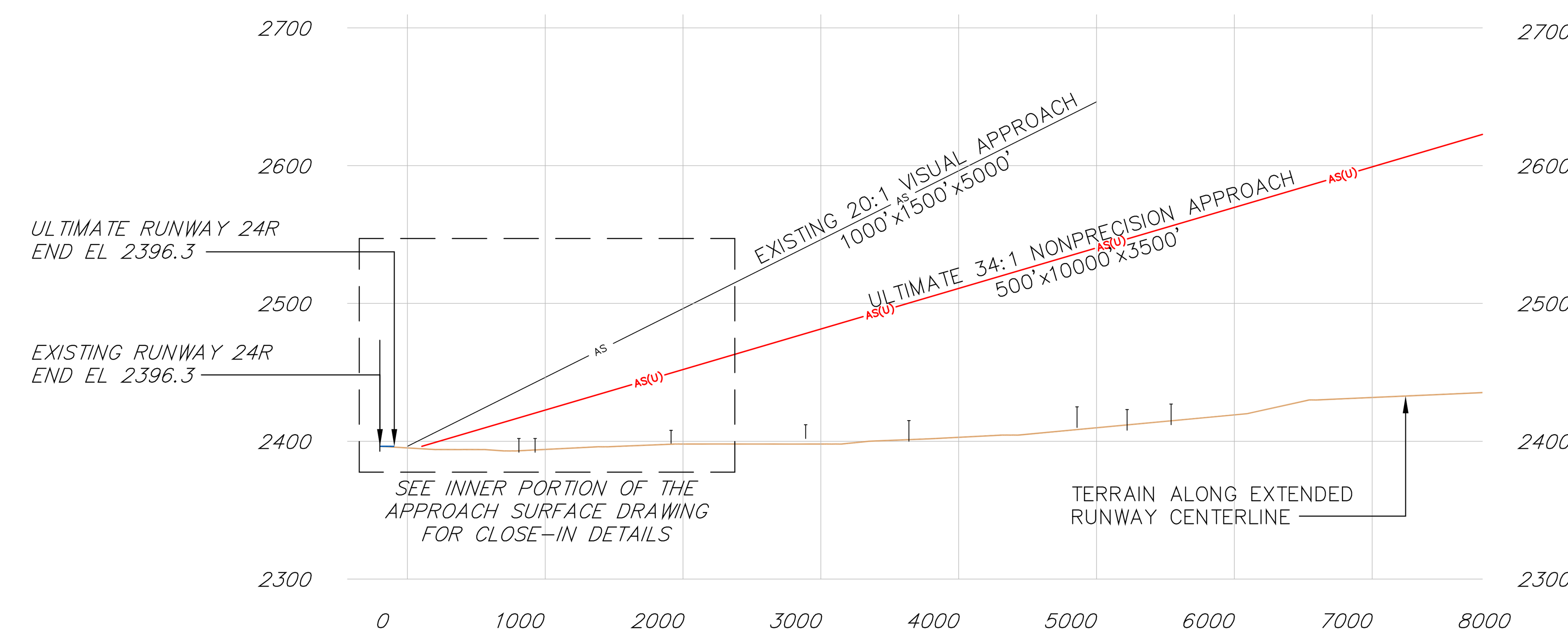
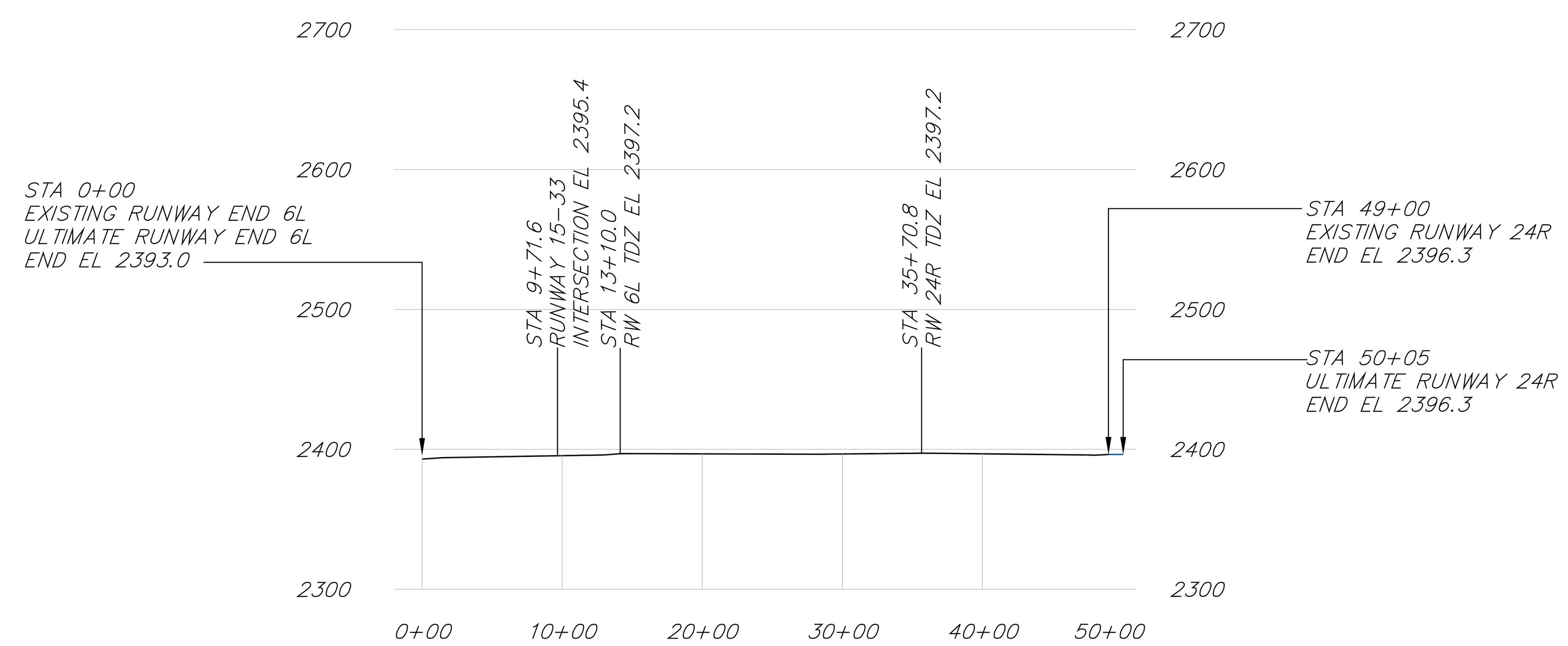


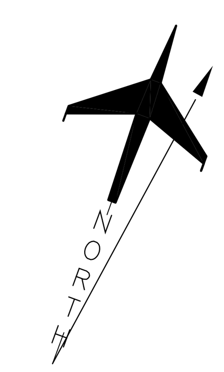
RUNWAY 6L PROFILE
WEST



RUNWAY 24R PROFILE
EAST



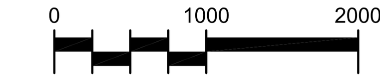
RUNWAY 6L-24L PROFILE



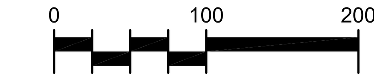
Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

RUNWAY 6L OBSTRUCTION TABLE						
No.	Description	Top Elevation	Distance from RW End	Offset from Centerline	Penetration	Remediation
–	NONE FOUND	–	–	–	–	–

RUNWAY 24R OBSTRUCTION TABLE						
No.	Description	Top Elevation	Distance from RW End	Offset from Centerline	Penetration	Remediation
–	NONE FOUND	–	–	–	–	–



HORIZONTAL SCALE IN FEET



VERTICAL SCALE IN FEET

GENERAL NOTES:

1. ELEVATIONS ADJUSTED UPWARD 10' FOR A PRIVATE ROAD, 15' FOR A PUBLIC ROAD, 17' FOR AN INTERSTATE HIGHWAY, AND 23' FOR A RAILROAD PER PART 77–OBJECTS AFFECTING NAVIGABLE AIRSPACE, SUBPART C, SECTION 77.23.
2. SEE THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR CLOSE–IN OBSTRUCTION DETAILS.

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

No.	REVISIONS	BY		DATE
2	2006 AIRPORT MASTER PLAN UPDATE – AIP# 28	DLH.	JMH	02/15/11
1	1999 AIRPORT MASTER PLAN UPDATE – AIP# N857	RAL	SGB	02/29/00

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RYAN AIRFIELD

AIRPORT AIRSPACE PROFILE 6L-24R

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 9 OF 19

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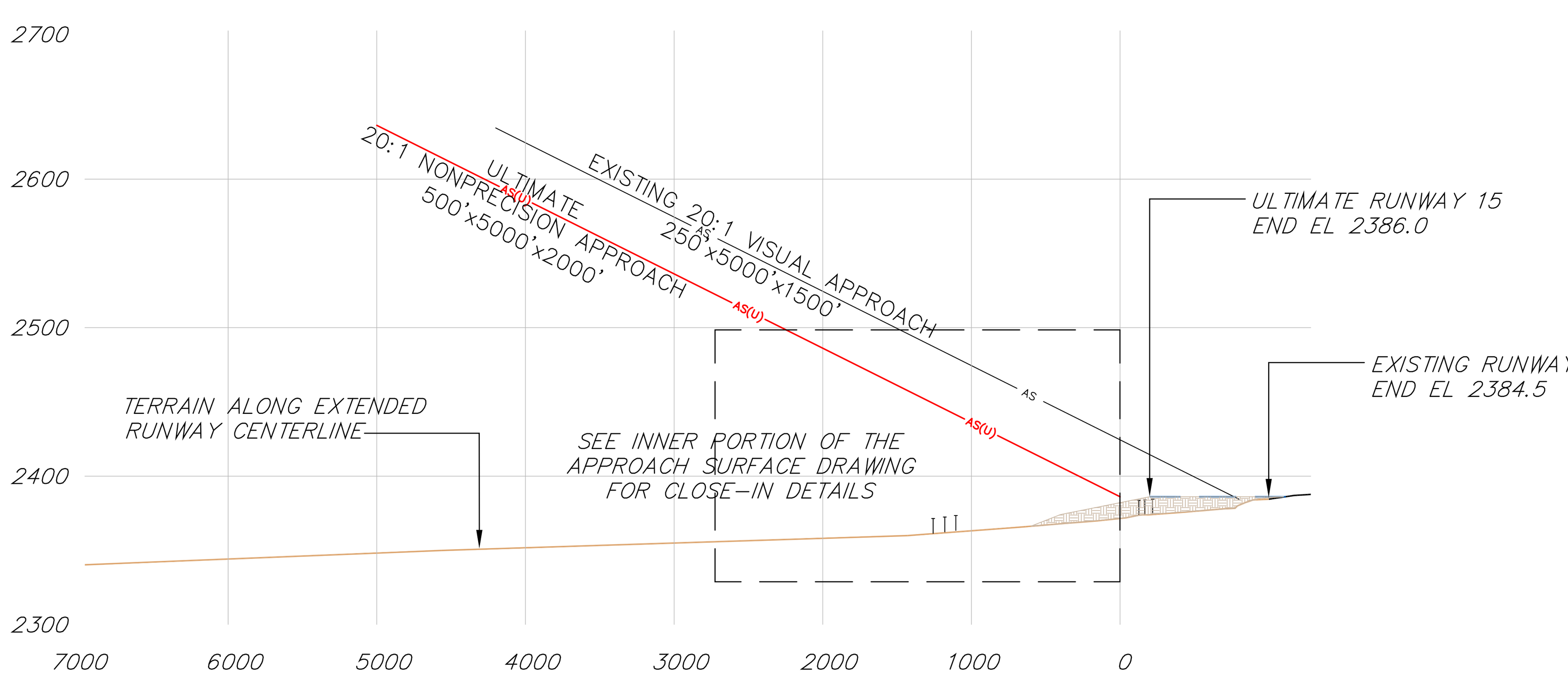
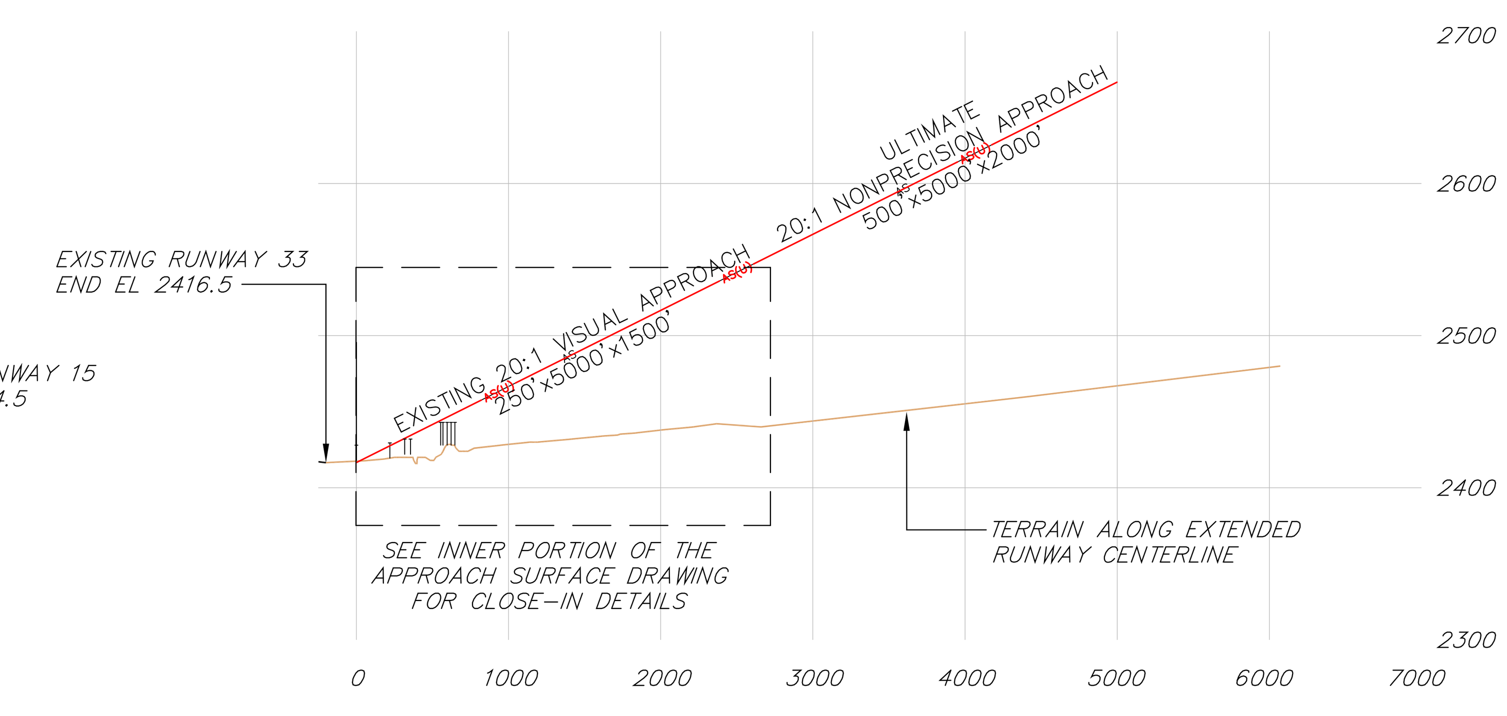
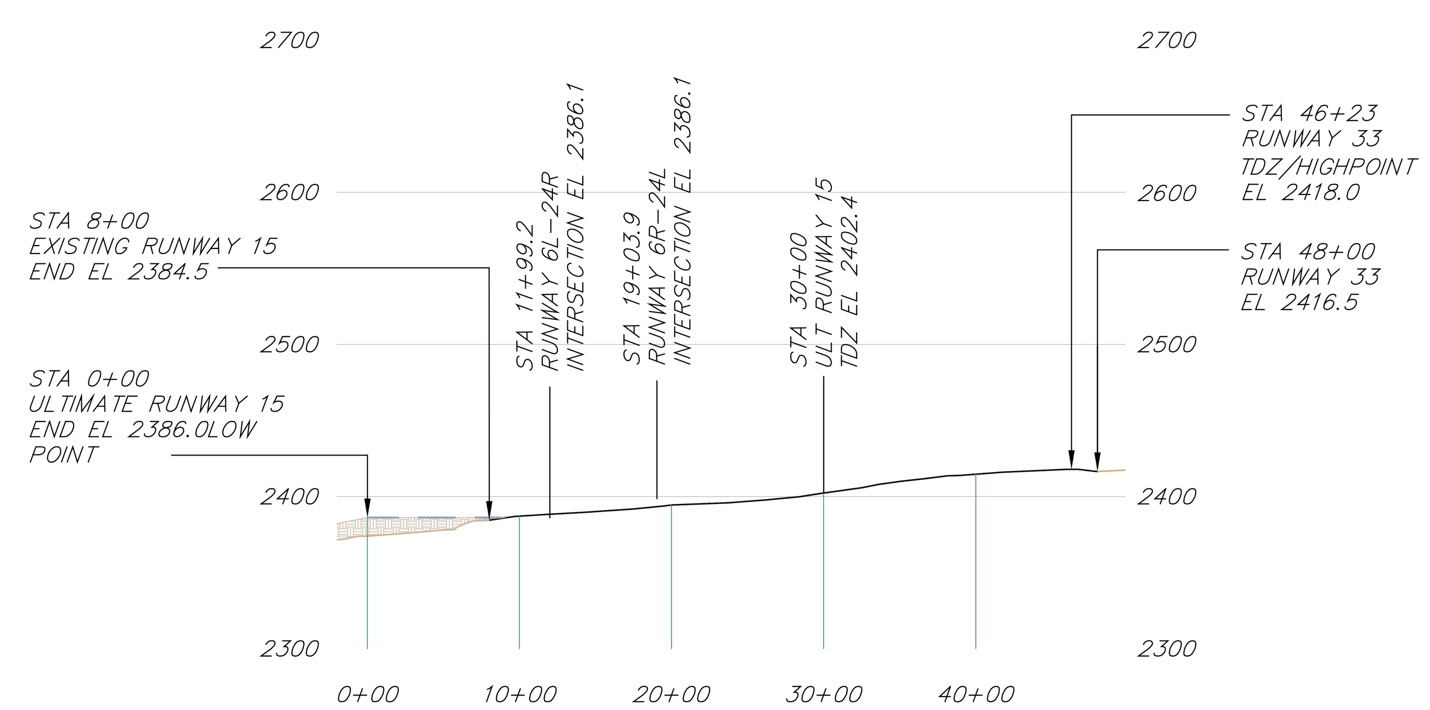


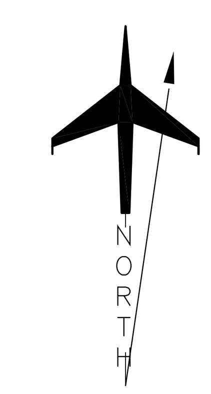
RUNWAY 15 PROFILE
WEST



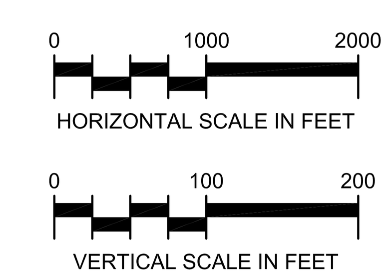
RUNWAY 33 PROFILE
EAST



RUNWAY 15-33 PROFILE



Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)



RUNWAY 15 OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from RW End	Offset from Centerline	Penetration	Remediation
–	NONE FOUND	–	–	–	–	–

RUNWAY 33 OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from RW End	Offset from Centerline	Penetration	Remediation
–	NONE FOUND	–	–	–	–	–

GENERAL NOTES:

1. ELEVATIONS ADJUSTED UPWARD 10' FOR A PRIVATE ROAD, 15' FOR A PUBLIC ROAD, 17' FOR AN INTERSTATE HIGHWAY, AND 23' FOR A RAILROAD PER PART 77–OBJECTS AFFECTING NAVIGABLE AIRSPACE, SUBPART C, SECTION 77.23.
2. SEE THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR CLOSE–IN OBSTRUCTION DETAILS.
3. RUNWAY 15–33 IS DESIGNATED FOR SMALL AIRCRAFT ONLY.

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TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

RYAN AIRFIELD

AIRPORT AIRSPACE PROFILE 15-33

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

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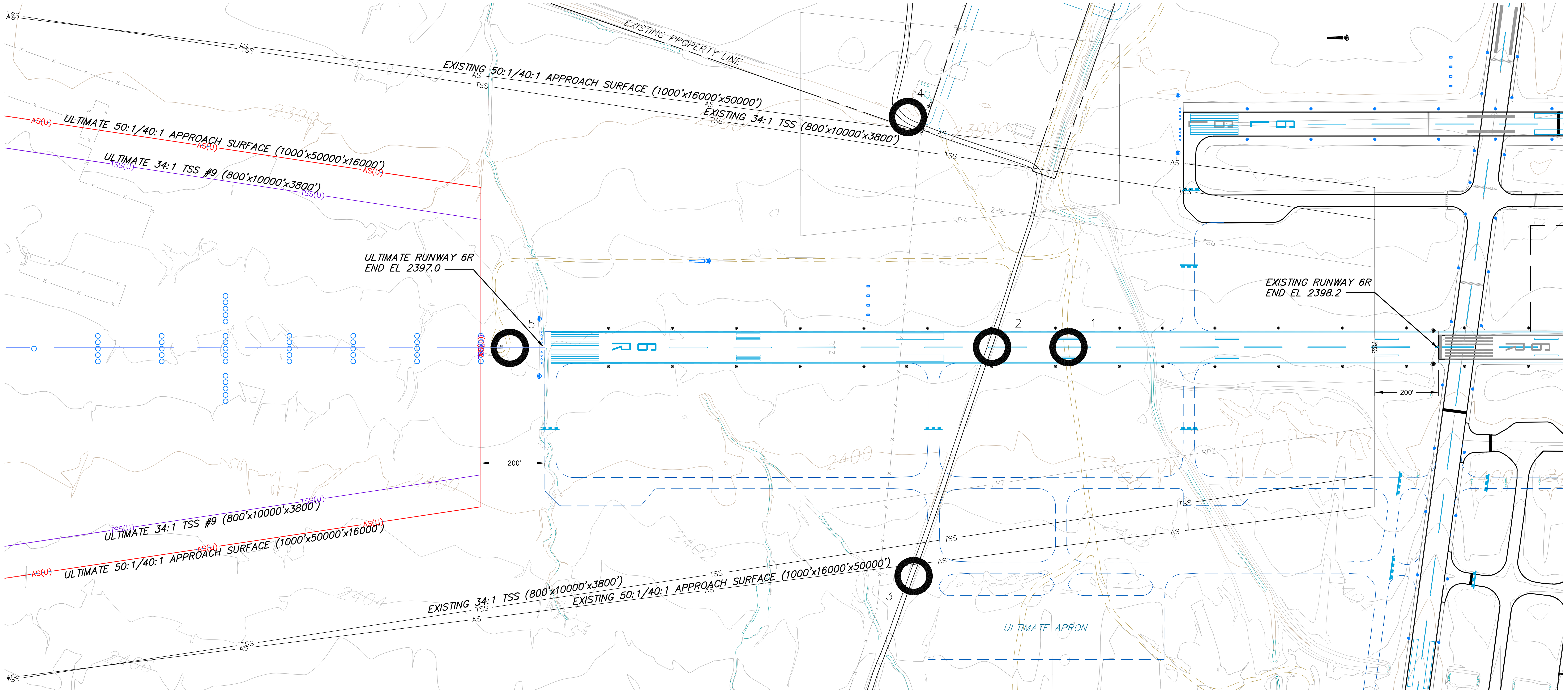
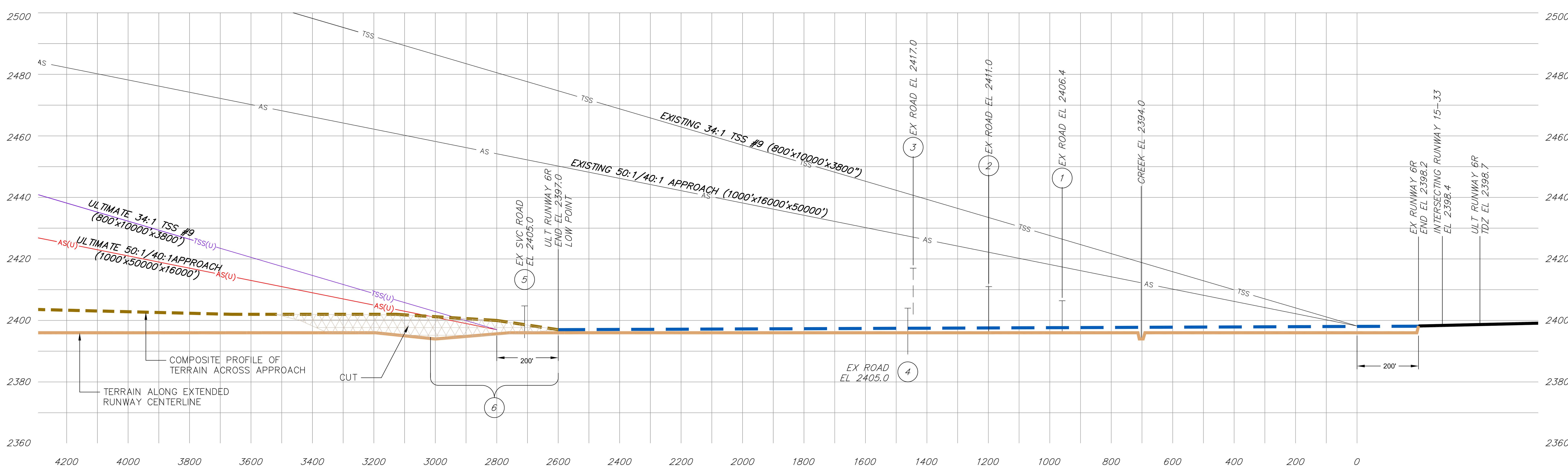


RUNWAY 6R PLAN
WEST

EXISTING RUNWAY 6R OBSTRUCTION TABLE							
No.	Description	Top Elev	Distance from Exist RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
	NONE FOUND						

ULTIMATE RUNWAY 6R OBSTRUCTION TABLE							
No.	Description	Top Elev	Distance from Ult RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
6	TERRAIN	VARIES	VARIES	VARIES	> 0 TO >4	> 0 TO >3	TERRAIN TO BE CUT AND GRADED PER AC 150/5300-13 AS PART OF THE 1800' RUNWAY EXTENSION



RUNWAY 6R PROFILE
WEST

NORTH

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

HORIZONTAL SCALE IN FEET (0, 200, 400)

VERTICAL SCALE IN FEET (0, 20, 40)

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

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RYAN AIRFIELD

IPASD 6R

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 11 OF 19

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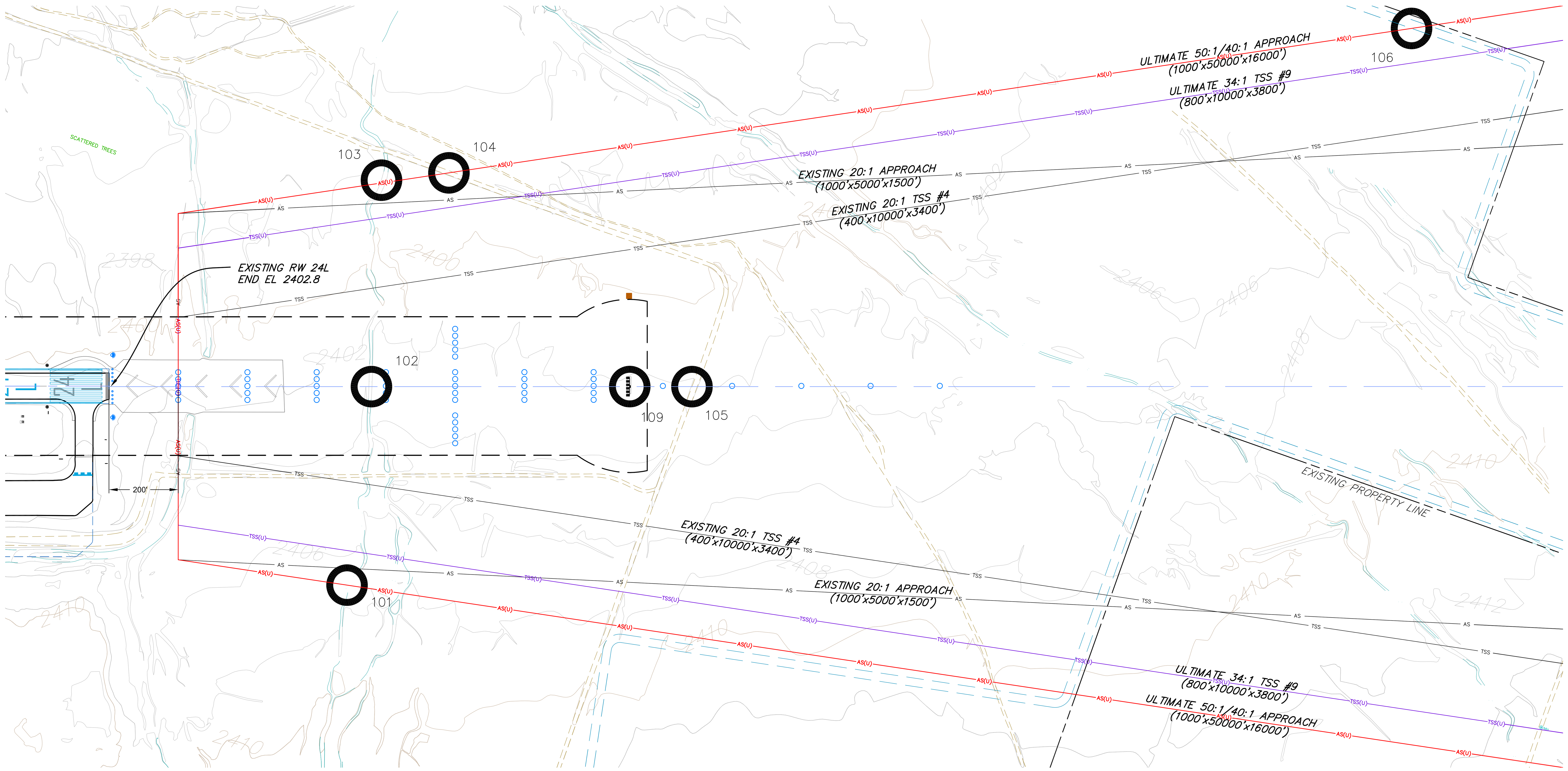
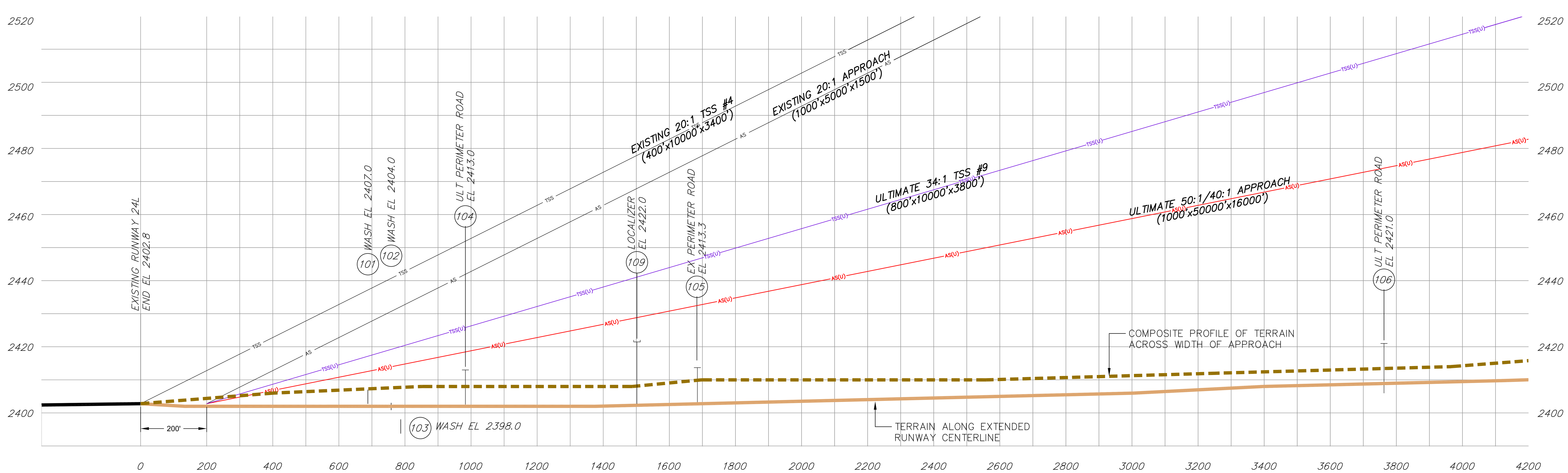


RUNWAY 24L PLAN
EAST

EXISTING RUNWAY 24L OBSTRUCTION TABLE							
No.	Description	Top Elevation	Distance from Exist RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
	NONE FOUND						

ULTIMATE RUNWAY 24L OBSTRUCTION TABLE							
No.	Description	Top Elevation	Distance from Ult RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
105	EXISTING PERIMETER ROAD	2413	184	0	11	1	TO BE RELOCATED



RUNWAY 24L PROFILE
EAST

NORTH

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 200 400
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

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RYAN AIRFIELD

IPASD 24L

Tucson, Arizona

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DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 12 OF 19

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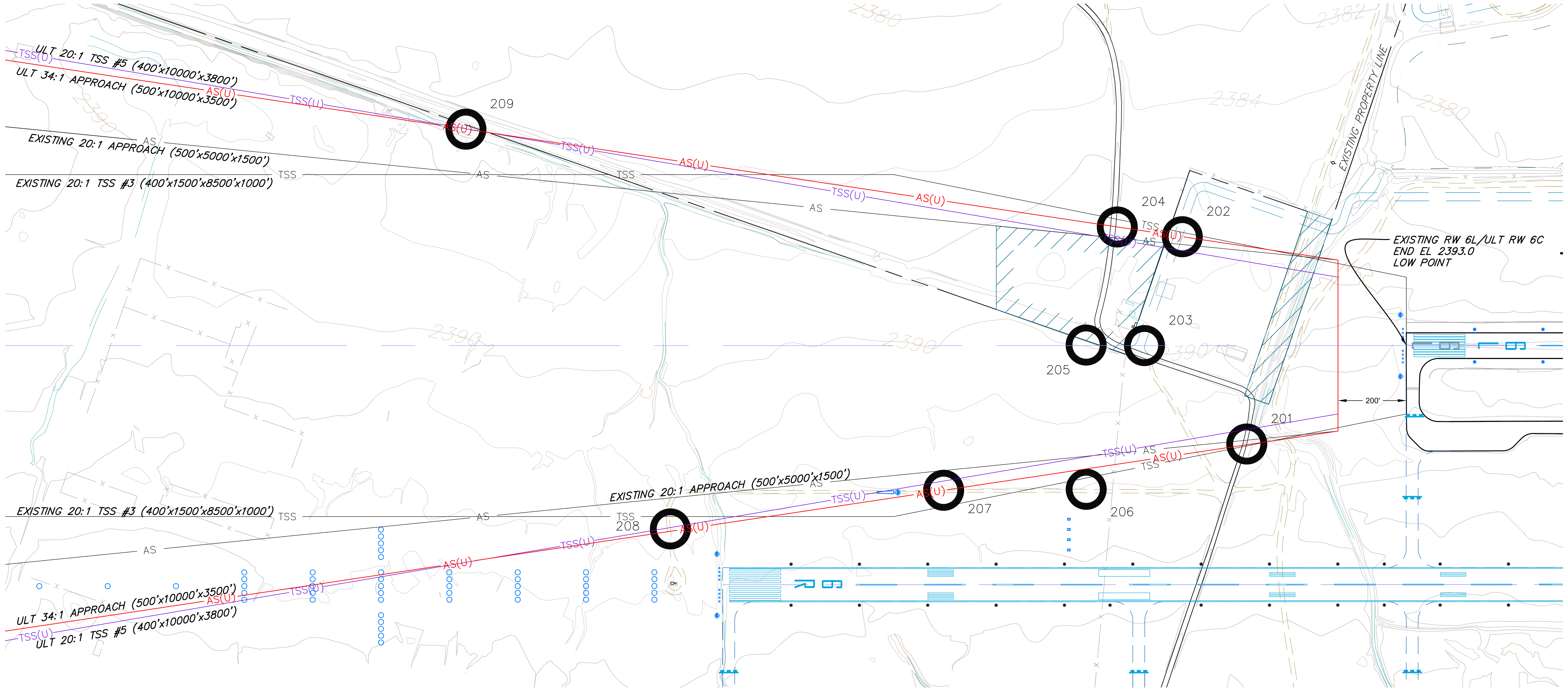
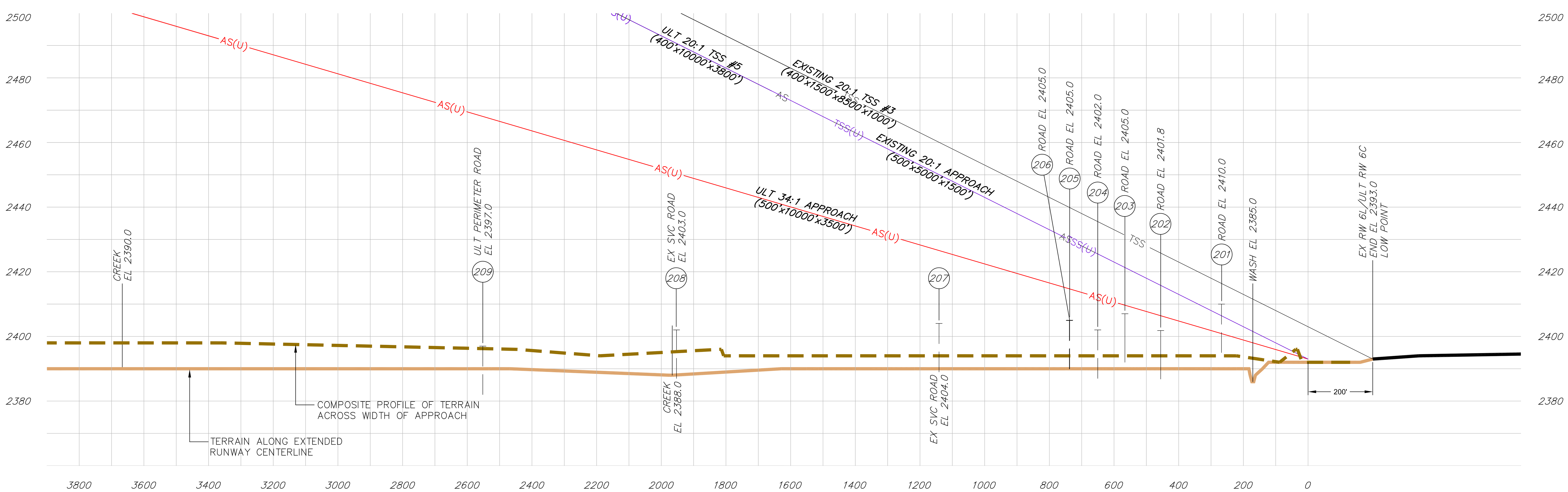


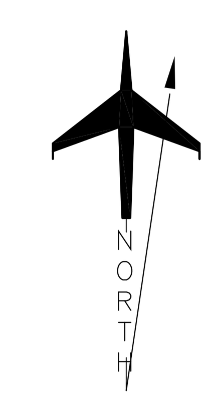
RUNWAY 6L PLAN
WEST

EXISTING RUNWAY 6L OBSTRUCTION TABLE							
No.	Description	Top Elevation	Distance from Exist RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
201	ACCESS ROAD	2410	467	288 R	4	4	RELOCATE ROAD

ULTIMATE RUNWAY 6L OBSTRUCTION TABLE							
No.	Description	Top Elevation	Distance from Ult RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
201	ACCESS ROAD	2410	467	288 R	4	0	RELOCATE ROAD



RUNWAY 6L PROFILE
WEST



Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 200 400
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

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RYAN AIRFIELD

IPASD 6L

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 13 OF 19

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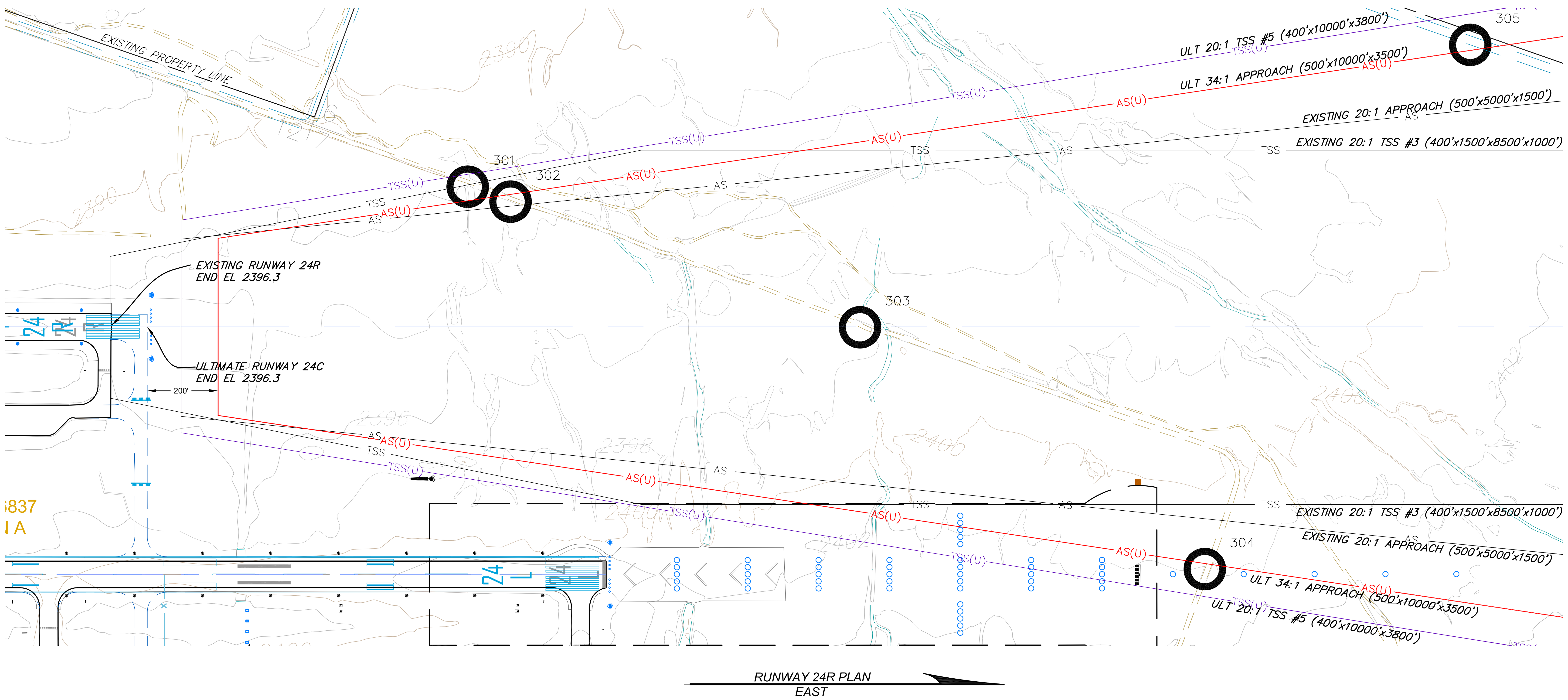
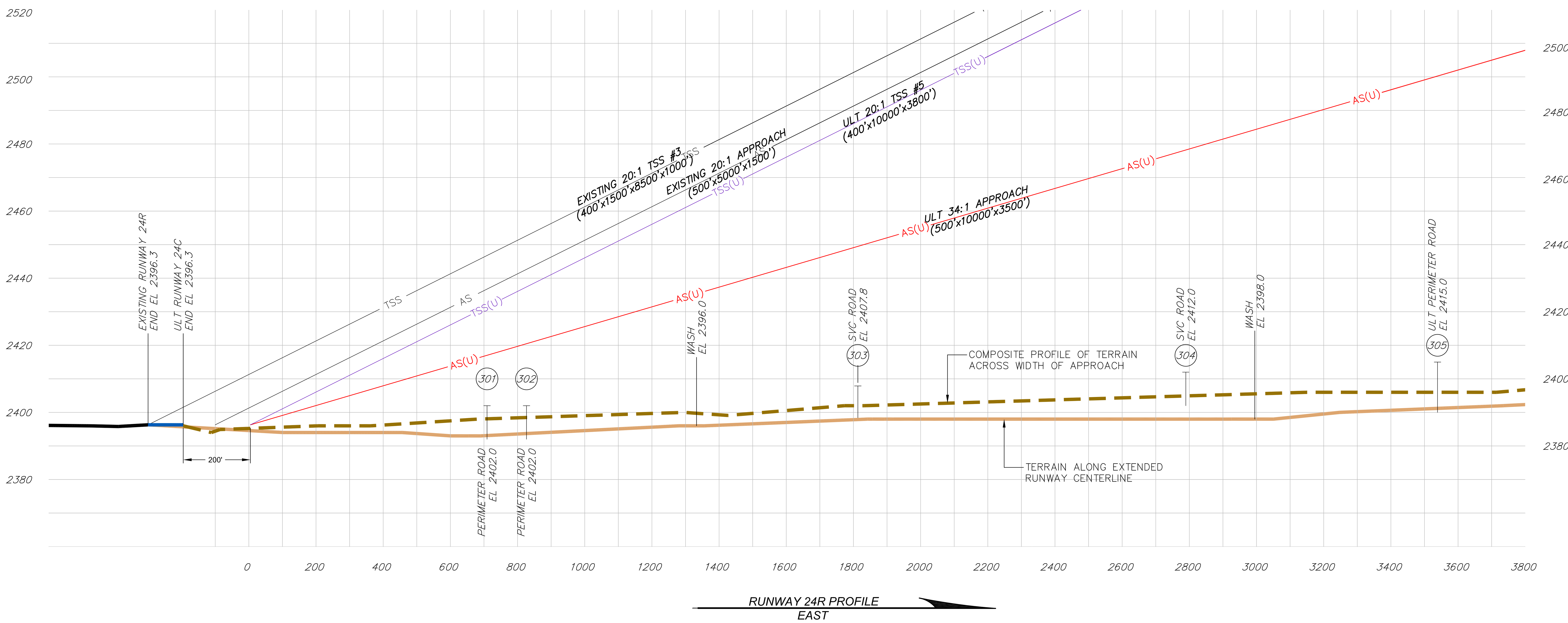


RUNWAY 24R PLAN
EAST



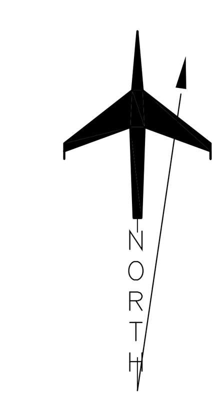
RUNWAY 24R PROFILE
EAST

EXISTING RUNWAY 24R OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from Exist RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
	NONE FOUND						

ULTIMATE RUNWAY 24R OBSTRUCTION TABLE

No.	Description	Top Elevation	Distance from Ult RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
	NONE FOUND						



Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

HORIZONTAL SCALE IN FEET

VERTICAL SCALE IN FEET

TUCSON AIRPORT AUTHORITY
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RYAN AIRFIELD

IPASD 24R

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 14 OF 19

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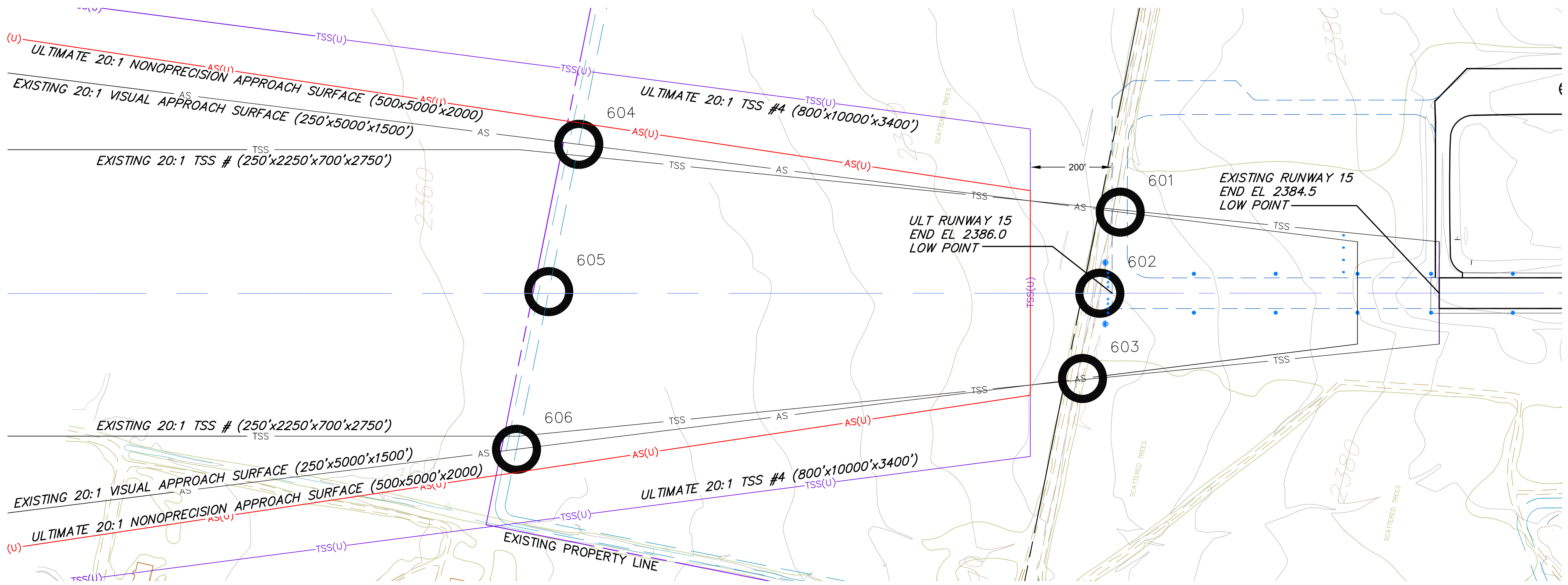
EXISTING RUNWAY 15 OBSTRUCTION TABLE

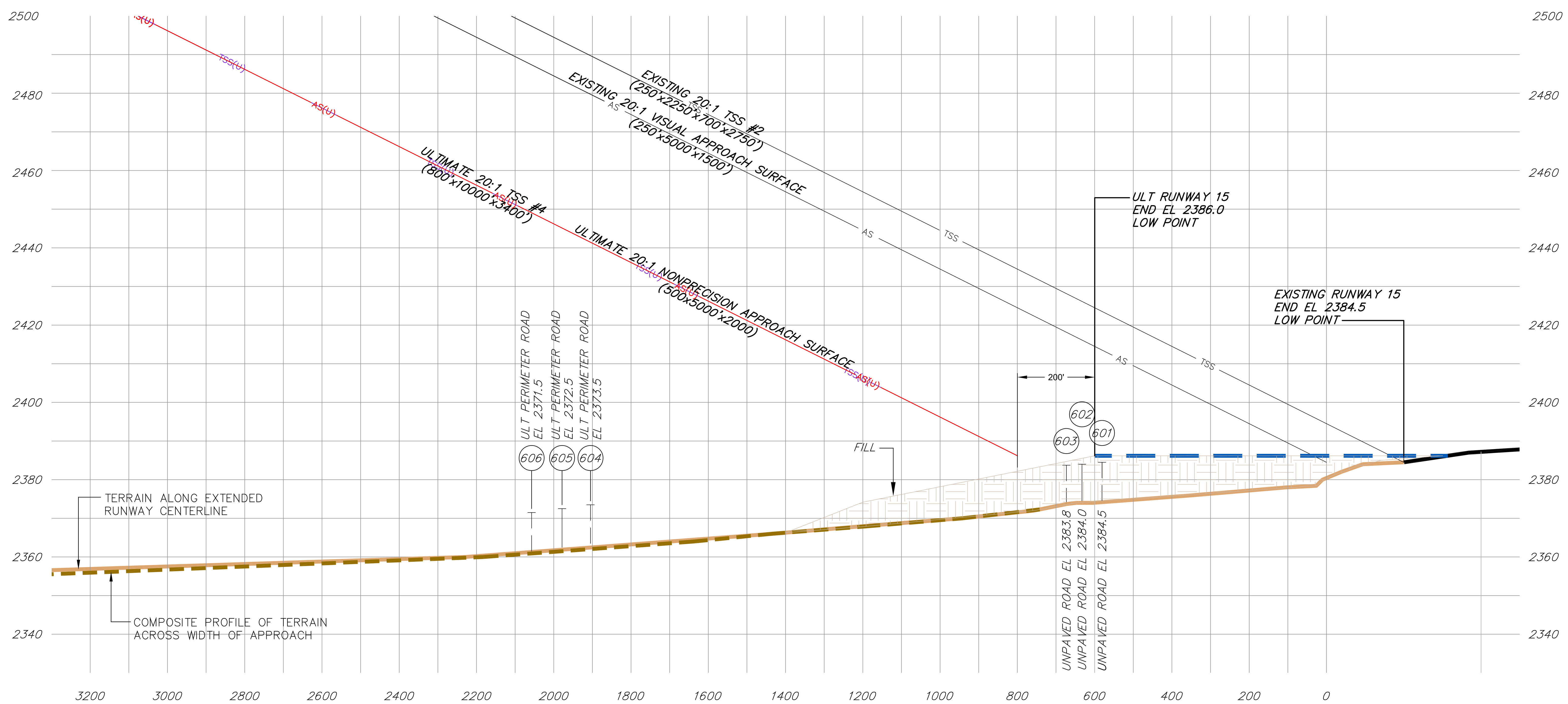
No.	Description	Top Elevation	Distance from Exist RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
	UNPAVED ROAD						

ULTIMATE RUNWAY 15 OBSTRUCTION TABLE

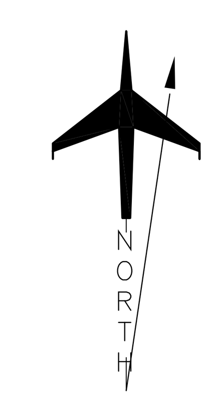
No.	Description	Top Elevation	Distance from Ult RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
601	UNPAVED ROAD	2384.5	−20	198 L	NA	NA	REROUTE OR CLOSE ROAD DURING CONSTRUCTION OF ULT RUNWAY AND TAXIWAY
602	UNPAVED ROAD	2384.0	30	0	NA	NA	REROUTE OR CLOSE ROAD DURING CONSTRUCTION OF ULT RUNWAY AND TAXIWAY
603	UNPAVED ROAD	2384.0	72	208 R	NA	NA	REROUTE OR CLOSE ROAD DURING CONSTRUCTION OF ULT RUNWAY AND TAXIWAY



RUNWAY 15 PLAN
WEST



RUNWAY 15 PROFILE
WEST



Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 200 400
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

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RYAN AIRFIELD

IPASD 15

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

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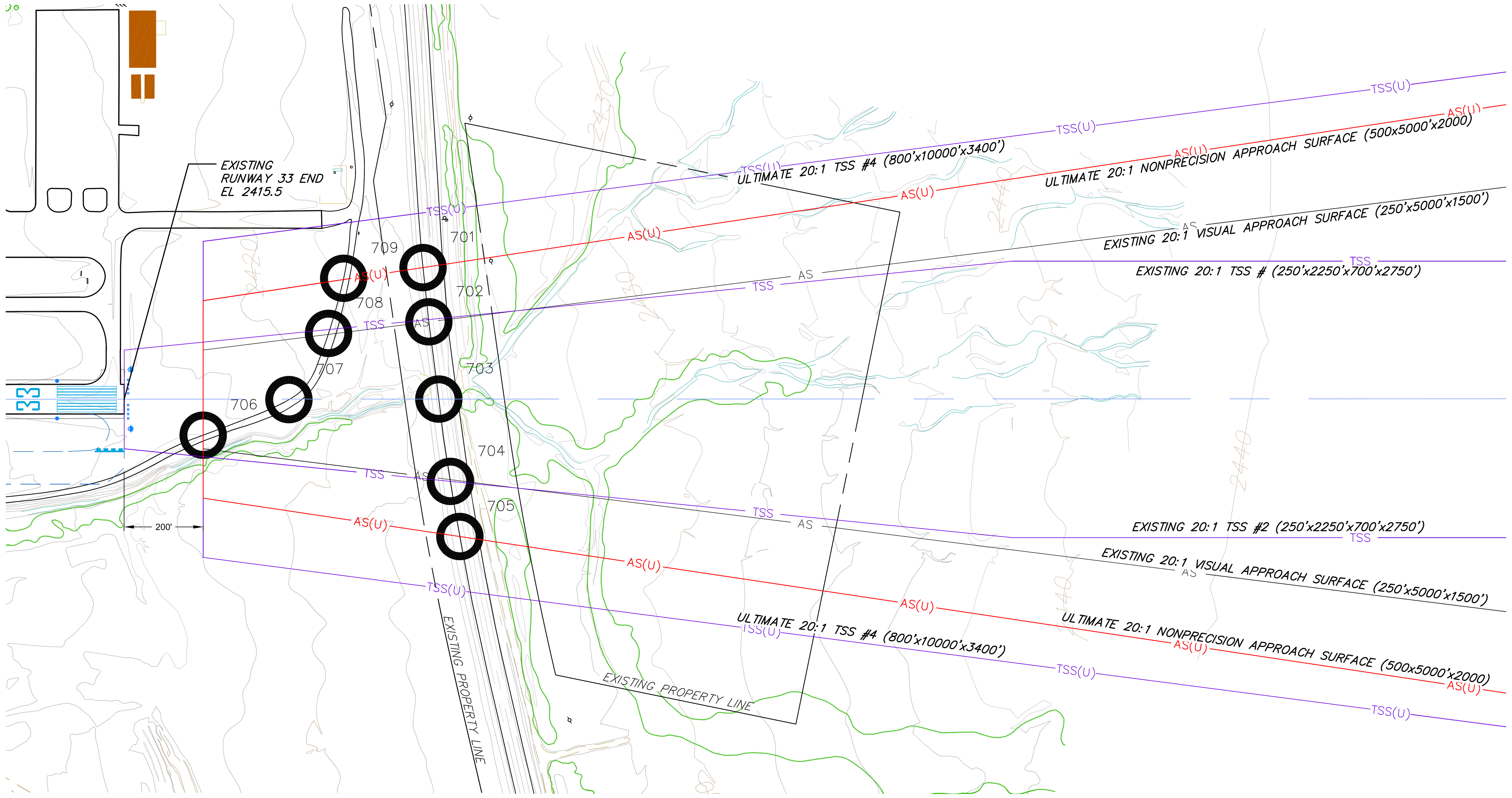
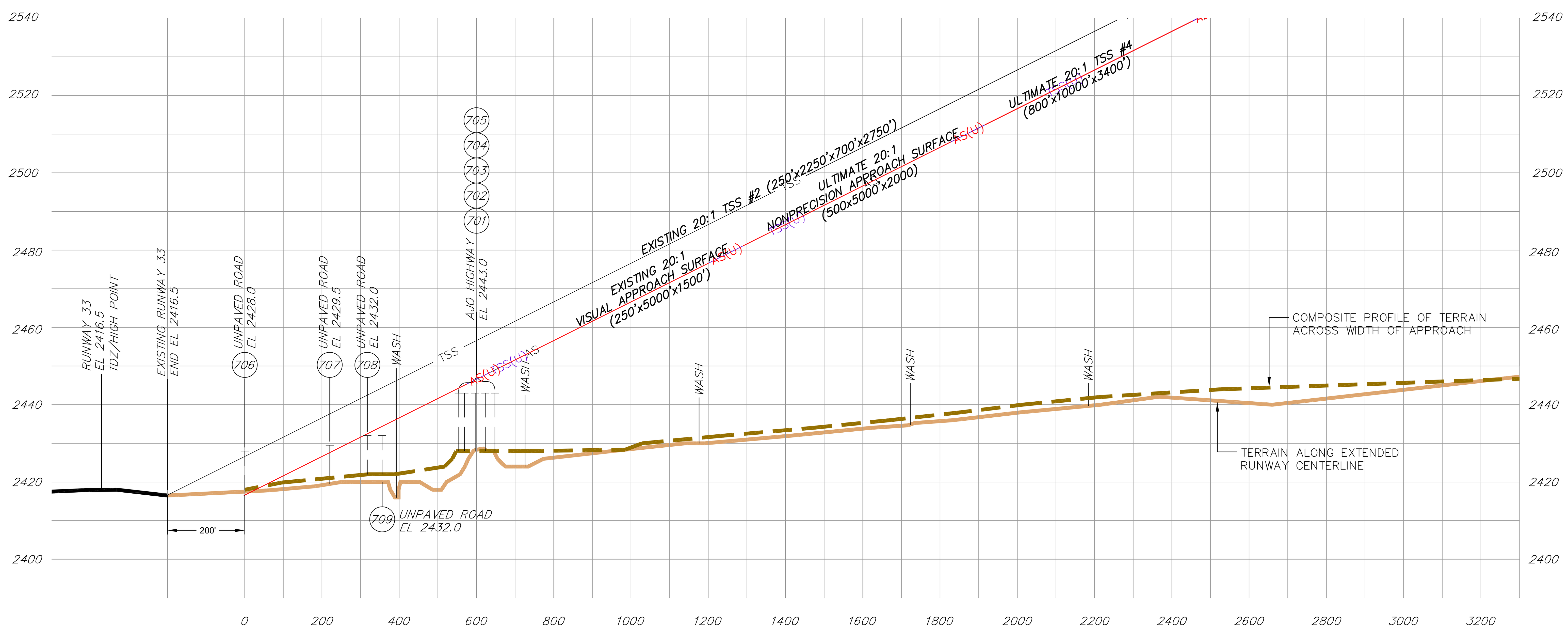


RUNWAY 33 PLAN
EAST



RUNWAY 33 PROFILE
EAST

EXISTING RUNWAY 33 OBSTRUCTION TABLE							
No.	Description	Top Elevation	Distance from Exist RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
706	SERVICE ROAD	2428	200	91 L	12	2	REROUTE OR CLOSE SERVICE ROAD TO CLEAR TSS
707	SERVICE ROAD	2430	417	0	2	0	CLEARS TSS; NAR

NAR – NO ACTION REQUIRED

ULTIMATE RUNWAY 33 OBSTRUCTION TABLE							
No.	Description	Top Elevation	Distance from Ult RW End	Offset from Centerline	Approach Penetration	TSS Penetration	Remediation
706	SERVICE ROAD	2428	200	91 L	10	10	REROUTE OR CLOSE SERVICE ROAD TO CLEAR TSS
707	SERVICE ROAD	2430	417	0	1	1	REROUTE OR CLOSE SERVICE ROAD TO CLEAR TSS

NORTH

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 200 400
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

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RYAN AIRFIELD

IPASD 33

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

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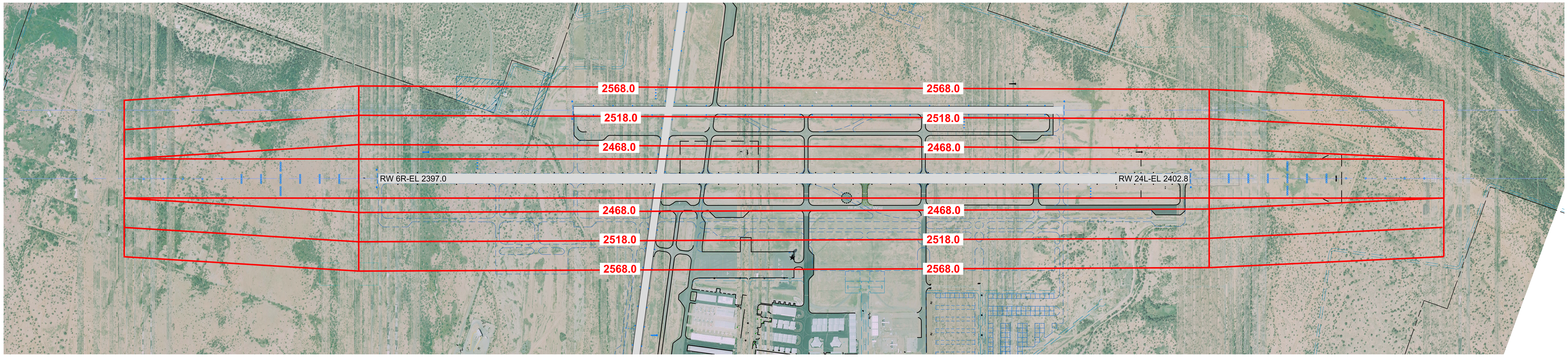
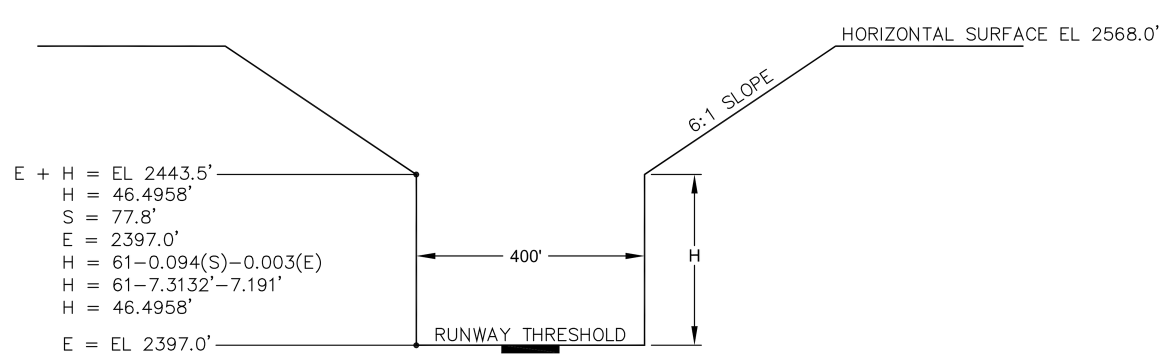
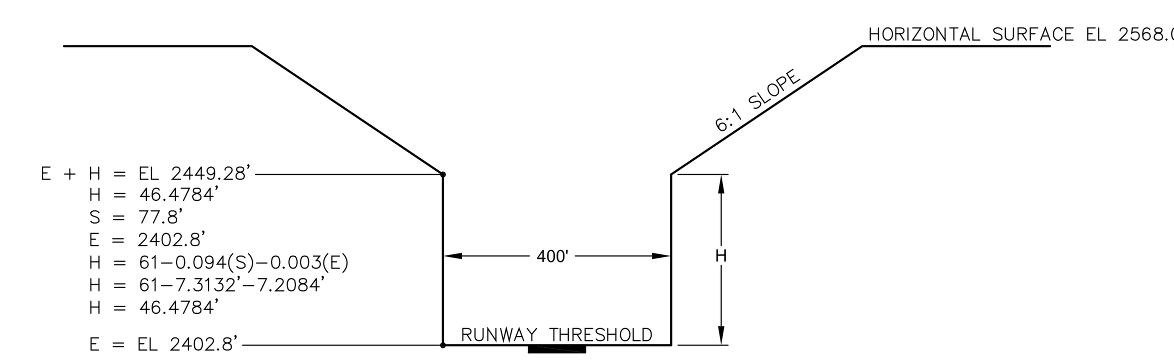


RUNWAY 6R END



N.T.S.

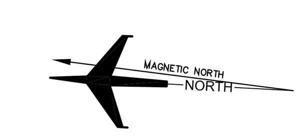
RUNWAY 24L END



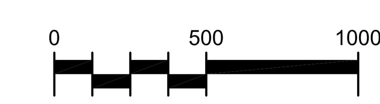
N.T.S.

INNER APPROACH & INNER TRANSITIONAL OFZ OBJECT PENETRATIONS

Object	Penetration	Disposition
NONE FOUND		



Magnetic Declination
11° 35' East (March 2009)
Annual Rate of Change
0° 6' West (March 2009)



SCALE IN FEET

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

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RYAN AIRFIELD

INNER APPROACH & INNER TRANSITIONAL OFZ DRAWING FOR RUNWAY 6R-24L

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 17 OF 19

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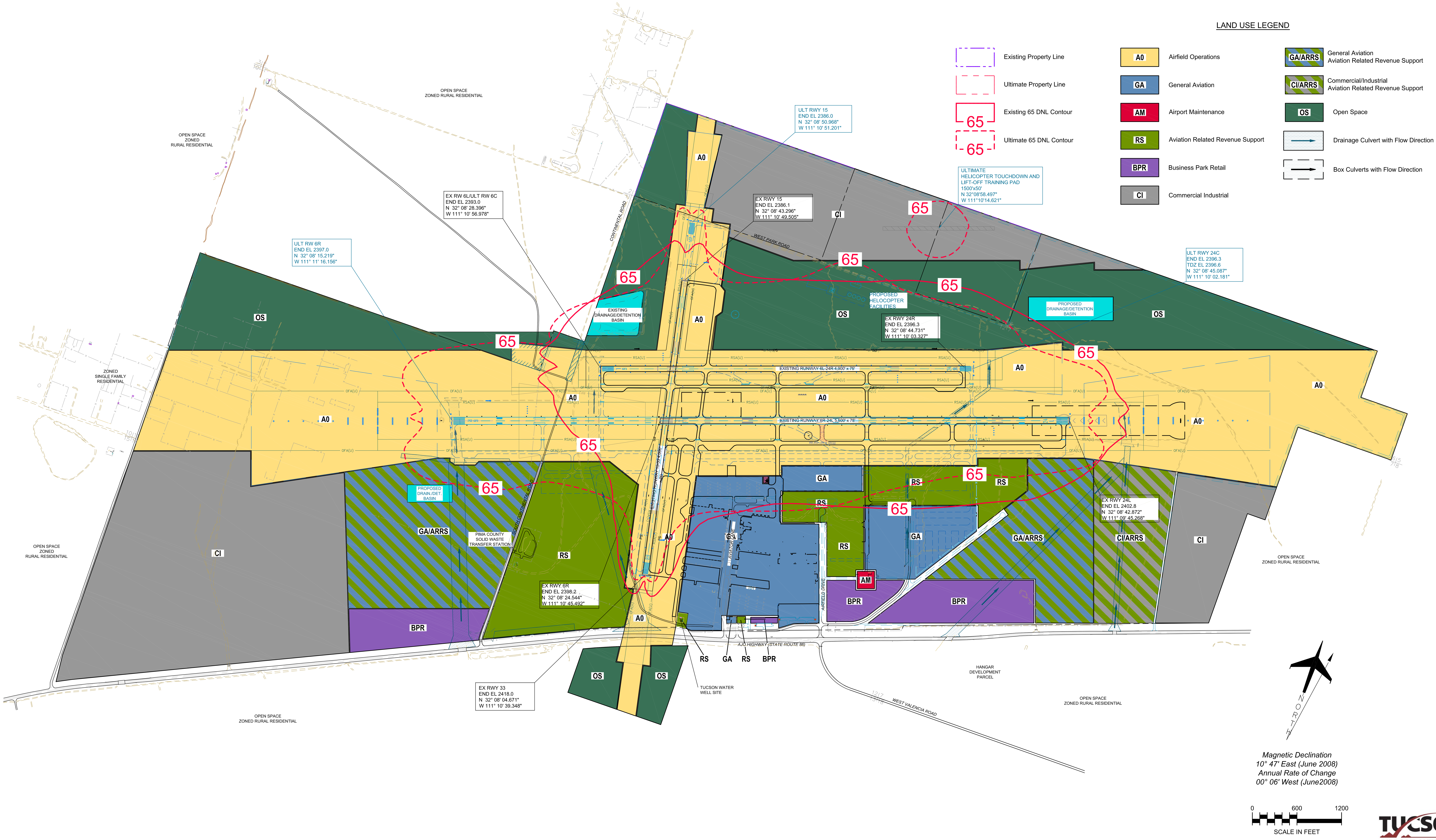

TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

RYAN AIRFIELD

AIRPORT LAND USE DRAWING

Tucson, Arizona

No.	REVISIONS	BY		DATE
2	2006 AIRPORT MASTER PLAN UPDATE – AIP# 28	DLH.	JMH	02/15/11
1	1999 AIRPORT MASTER PLAN UPDATE – AIP# N857	RAL	SGB	02/29/00

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PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011 SHEET 18 OF 19

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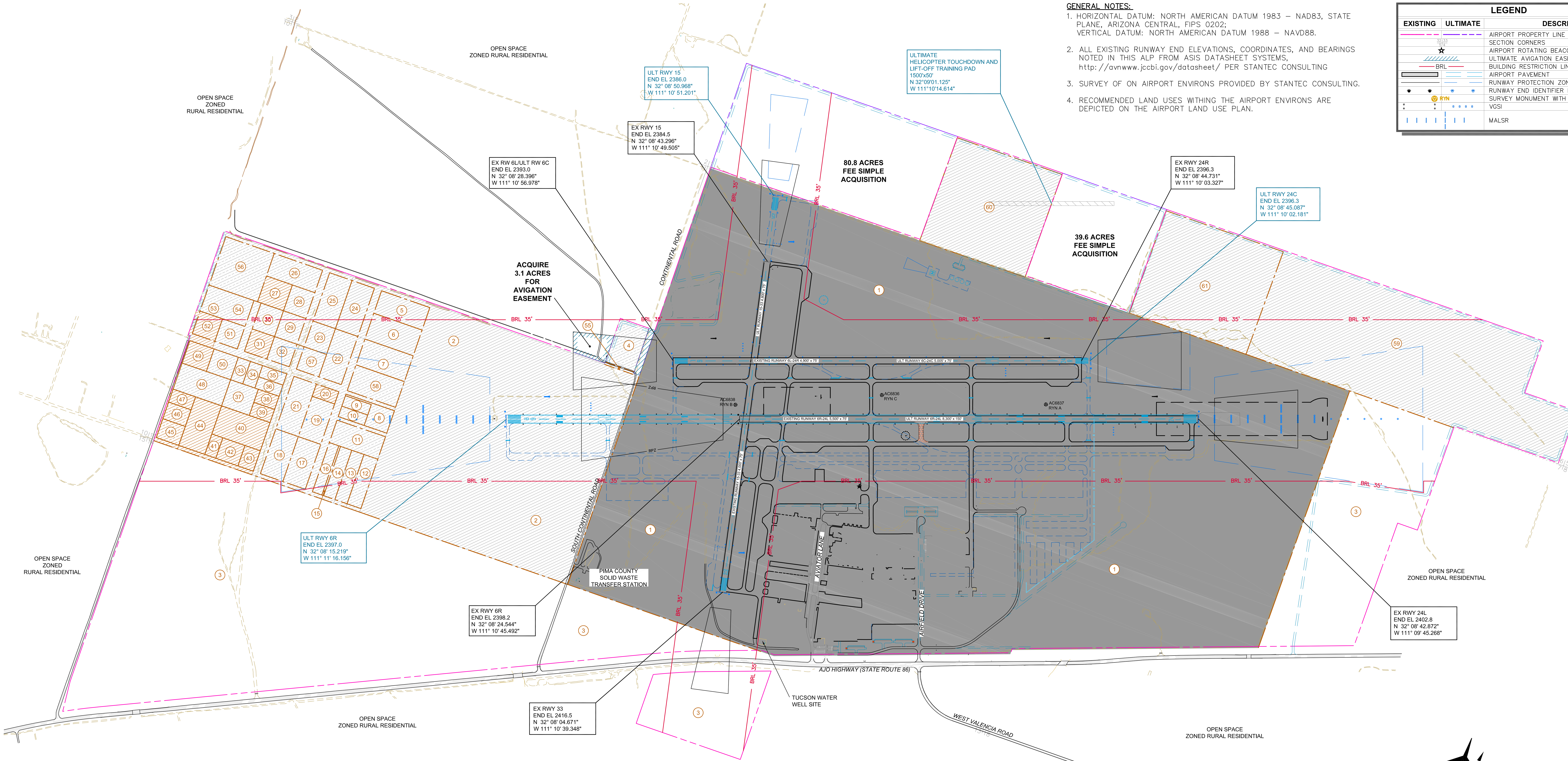

GENERAL NOTES:

1. HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983 – NAD83, STATE PLANE, ARIZONA CENTRAL, FIPS 0202;
   VERTICAL DATUM: NORTH AMERICAN DATUM 1988 – NAVD88.
2. ALL EXISTING RUNWAY END ELEVATIONS, COORDINATES, AND BEARINGS NOTED IN THIS ALP FROM ASIS DATASHEET SYSTEMS, http://avnwww.jccbi.gov/datasheet/ PER STANTEC CONSULTING
3. SURVEY OF ON AIRPORT ENVIRONS PROVIDED BY STANTEC CONSULTING.
4. RECOMMENDED LAND USES WITHING THE AIRPORT ENVIRONS ARE DEPICTED ON THE AIRPORT LAND USE PLAN.

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
32 33 5 4		SECTION CORNERS
		AIRPORT ROTATING BEACON
		ULTIMATE AVIGATION EASEMENT
BRL		BUILDING RESTRICTION LINE
		AIRPORT PAVEMENT
		RUNWAY PROTECTION ZONE
		RUNWAY END IDENTIFIER LIGHTS (REILS)
RYN		SURVEY MONUMENT WITH IDENTIFIER
		VGSI
		MALSR

EXISTING PROPERTY DATA

TRACT	ACREAGE	PROPERTY INTEREST	GRANTOR	GRANTEE	ACQUISITION DATE	PROJECT NUMBER
1	905.72	FEE SIMPLE	STATE OF ARIZONA	CITY OF TUCSON	8/1/51	ORIGINAL PURCHASE
2	160	FEE SIMPLE	FEILICH, ALBERT	TAA	6/77	ADA 162
3	408	FEE SIMPLE	UNIVERSITY OF ARIZONA BOR	CITY OF TUCSON	12/31/96	LAND TRADE
4	5	FEE SIMPLE	HILL, OLAN	TAA	5/18/94	AIP 08/ADOT 419
5	3.9	FEE SIMPLE	MIKESELL, MARIAN	TAA	5/2/97	ADOT 617
6	4.6	FEE SIMPLE	COULSON, LARRY	TAA	5/2/96	ADOT 617
7	4.7	FEE SIMPLE	TATE, JAMES H.	TAA	7/15/98	AIP 10/ADOT 557
8	2	FEE SIMPLE	ZAZUETA, ISSAC	TAA	1/19/95	AIP 07/ADOT 218/318
9	1.1	FEE SIMPLE	ZAZUETA, JENOVEVA	TAA	7/18/94	AIP 07/ADOT 218/318
10	1.1	FEE SIMPLE	KYLE, CHRISTOPHER L.	TAA	11/19/93	AIP 07/ADOT 218/318
11	3.9	FEE SIMPLE	WHIDDON, CHARLES	TAA	11/13/92	AIP 07/ADOT 218/318
12	2.1	FEE SIMPLE	IVEY, JUNIOR	TAA	9/29/93	AIP 08/ADOT 419
13	2.1	FEE SIMPLE	ARNOLD, VIVIAN	TAA	9/4/91	ADOT 915
14	1.5	FEE SIMPLE	MAIOCCO, JOSEPH	TAA	1/19/94	AIP 07/ADOT 218/318
15	0.3	FEE SIMPLE	PATE, HERMAN	TAA	3/29/94	AIP 07/ADOT 218/318
16	1.8	FEE SIMPLE	RIPPETOE, JOHNNY	TAA	3/29/94	AIP 07/ADOT 218/318
17	3.9	FEE SIMPLE	SIROTA, PELTON	TAA	6/27/94	AIP 07/ADOT 218/318
18	3.7	FEE SIMPLE	JAMES, CURTIS	TAA	12/2/98	AIP 10/ADOT 557
19	3.2	FEE SIMPLE	SHECKLER, SCOTT L.	TAA	7/10/98	AIP 10/ADOT 557
20	1.0	FEE SIMPLE	WELLS, THOMAS	TAA	12/24/91	ADOT 915
21	4.2	FEE SIMPLE	MELTON, JOSEPH	TAA	12/7/94	AIP 09/ADOT 419
22	4.2	FEE SIMPLE	NIHOF, OTTO	TAA	2/24/95	AIP 09/ADOT 419
23	2.2	FEE SIMPLE	ROBERTSON, JAMES	TAA	3/28/95	AIP 08/ADOT 419
24	4.2	FEE SIMPLE	NIHOF, OTTO	TAA	10/27/97	ADOT 719
25	4.1	FEE SIMPLE	MONTIEL, JOSE	TAA	8/22/94	AIP 09/ADOT 419
26	4.0	FEE SIMPLE	MARTINEZ, LORENZO	TAA	11/29/95	AIP 08/ADOT 419
27	2.5	FEE SIMPLE	WHITELEY, JOHN	TAA	8/28/97	ADOT 719
28	2.2	FEE SIMPLE	RODGERS, PAUL J.	TAA	9/16/94	AIP 09/ADOT 419
29	2.1	FEE SIMPLE	SANER, KENNETH	TAA	10/3/95	AIP 09/ADOT 419
30	2.1	FEE SIMPLE	COLEMAN, CHARLES	TAA	6/3/94	AIP 09/ ADOT 419
31	1.8	FEE SIMPLE	MARSHALL, ROBERT	TAA	6/4/92	ADOT 915
				TAA		

EXISTING PROPERTY DATA

TRACT	ACREAGE	PROPERTY INTEREST	GRANTOR	GRANTEE	ACQUISITION DATE	PROJECT NUMBER
32	1.8	FEE SIMPLE	SULLIVAN, CHRISTINE	TAA	6/26/98	AIP 08/ADOT 419
33	1.1	FEE SIMPLE	CHESELKA, CHARLES	TAA	5/15/98	AIP 10/ADOT 557
34	1.0	FEE SIMPLE	GLASS, RANDY	TAA	3/24/98	AIP 10/ADOT 557
35	1.0	FEE SIMPLE	PINEC, JAMES A.	TAA	11/4/94	AIP 09/ADOT 419
36	1.1	FEE SIMPLE	RODRIGUEZ, FAUSTINO	TAA	10/16/96	AIP 09/ADOT 419
37	2.8	FEE SIMPLE	BEDOY, GERALDO	TAA	10/9/96	AIP 09/ADOT 419
38	1.0	FEE SIMPLE	BEDOY, GERALDO	TAA	1/3/97	ADOT 617
39	1.1	FEE SIMPLE	BEDOY, GERALDO	TAA	1/3/97	ADOT 617
40	4.6	FEE SIMPLE	LOPEZ, FRANK	TAA	9/19/97	ADOT 719
41	1.1	FEE SIMPLE	BEDOY, JOHN	TAA	9/18/96	ADOT 617
42	1.7	FEE SIMPLE	NORTH, WILLIAM	TAA	5/6/97	ADOT 719
43	1.1	FEE SIMPLE	ENGLET, JACK	TAA	9/18/96	ADOT 617
44	1.4	FEE SIMPLE	VERMUELE, GERALD	TAA	3/10/98	ADOT 517
45	1.6	FEE SIMPLE	BOLEN, HARRY	TAA	3/5/96	AIP 09/ADOT 419
46	1.0	FEE SIMPLE	MORALES, MANUEL J.	TAA	8/31/92	AIP 07/ADOT 419
47	1.2	FEE SIMPLE	FASCETTA, MICHAEL P.	TAA	1/21/99	ADOT 719
48	4.7	FEE SIMPLE	GOMEZ, MARC	TAA	10/3/94	AIP 07/ADOT 419
49	2.0	FEE SIMPLE	WHITE, RONNIE	TAA	9/18/96	ADOT 617
50	2.1	FEE SIMPLE	ECONOMY, GEORGE	TAA	7/27/95	AIP 09/ADOT 419
51	1.8	FEE SIMPLE	GLOVER, CHARLES	TAA	2/17/95	AIP 07/ADOT 218/318
52	1.8	FEE SIMPLE	DICOCHEA, DORA	TAA	9/4/98	ADOT 719
53	1.1	FEE SIMPLE	FREEMAN, AUTRICE C.	TAA	5/28/92	AIP 07/ADOT 218/318
54	3.2	FEE SIMPLE	HALPER, JOHN	TAA	5/28/92	AIP 07/ADOT 218/318
55	0.3	FEE SIMPLE	HILL, OLAN	TAA	5/18/94	AIP 08/ADOT 419
56	8.7	FEE SIMPLE	HERR, THEODORE C.	TAA	9/3/99	AIP 10/ADOT 557
57	1.9	FEE SIMPLE	MOUSAW, MARSHA	TAA	12/10/99	AIP 08/ADOT 419
58	4.7	FEE SIMPLE	WITTWER, JACK L.	TAA	5/26/00	AIP 08/ADOT 419
59	110	FEE SIMPLE	STANDARD CHARTERED BANK	TAA	1/18/01	ADOT E1124
60	40	FEE SIMPLE	KING & FRISCH TR	TAA	12/18/01	ADOT E2S21
61	45	FEE SIMPLE	MATUSIAK, JAMES	TAA	11/21/02	ADOT E2S21
				TAA		

PROPERTY LEGEND

- Existing Property Boundary Line
- Future Property Boundary Line
- Tract Boundary Line
- Property Purchased Originally
- Property Purchased with Federal Funds
- Property Purchased with Non-Federal Funds

NORTH

Magnetic Declination
10° 47' East (June 2008)
Annual Rate of Change
00° 06' West (June2008)

0 600 1200
SCALE IN FEET

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RYAN AIRFIELD

EXHIBIT A
AIRPORT PROPERTY MAP

Tucson, Arizona

PLANNED BY: Eric S. Pfeifer
DETAILED BY: Diana L. Hopkins
APPROVED BY: James M. Harris

February 15, 2011

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