AIRPORT LAYOUT PLAN DRAWINGS

Appendix C
AIRPORT LAYOUT PLAN DRAWINGS

Per Federal Aviation Administration (FAA) requirements, an official Airport Layout Plan (ALP) has been developed for Coolidge Municipal Airport. The ALP is used in part by the FAA to determine funding eligibility for future development projects.

These drawings were created on a computer-aided drafting system (CAD) and serve as the official depiction of the current and planned condition of the airport. These drawings will be delivered to the FAA for their review and inspection. The FAA will critique the drawings from a technical perspective to be sure all applicable federal regulations are met.

The following is a description of the ALP drawings included with this Master Plan.

Airport Layout Plan (Sheet 1 of 11) – An official ALP drawing has been developed for Coolidge Municipal Airport, a draft of which is included in this appendix. The ALP drawing graphically presents the existing and ultimate layout plan of the airport. The ALP drawing will include such elements as the physical airport features, location of airfield facilities (i.e., runways, taxiways, navigational aids), and existing general aviation development. Also presented on the ALP are the runway safety areas, airport property boundary, and revenue support areas. The ALP is used by the FAA to determine funding eligibility for future capital projects.

Terminal Area Drawing (Sheet 2 of 11) – The Terminal Area Drawing provides greater detail concerning landside improvements at a larger scale than on the ALP drawing.

Airport Airspace Drawing (Sheet 3 of 11) – The Airport Airspace Drawing is a graphic depiction of the Title 14 Code of Federal Regulations (CFR) Part 77, *Objects Affecting Navigable Airspace*, regulatory criterion. The Airport Airspace Drawing is intended to aid local authorities in determining if proposed development could present a hazard to the airport and obstruct the approach path to a runway end. These plans should be coordinated with local land use planners.

Inner Portion of the Runway Approach Surface Drawings (Sheets 4 and 5 of 11) – The Inner Portion of the Approach Surface Drawings contain the plan and profile view of the inner portion of the approach surface to the runway and a tabular listing of all surface violations. The drawings also contain other approach surfaces, such as the threshold siting surface. Detailed obstruction and facility data is provided to identify planned improvements and the disposition of obstructions. A drawing of each runway end is provided.

Runway Profile and Outer Approach Surface Drawings (Sheets 6 and 7 of 11) – The Profile and Outer Approach Surface Drawings provide both plan and profile views of 14 CFR Part 77 approach surfaces for each runway end. A composite profile of the extended ground line is depicted. Obstructions and clearances over roads are shown as appropriate.

Departure Surface Drawings (Sheets 8 and 9 of 11) – The Departure Surface Drawings provide information as it relates to the 40:1 departure surface on each runway end. They have been prepared in accordance with Appendix 2 of FAA Advisory Circular (AC) 150/5070-6B, Change 1.

On-Airport Land Use Plan (Sheet 10 of 11) – The On-Airport Land Use Plan is a geographic depiction of the land use recommendations. The objective of this drawing is to coordinate uses of the airport property in a manner compatible with the functional design of the airport facility. When development is proposed, it should be directed to the appropriate land use area depicted on this plan.

"Exhibit A" Property Map (Sheet 11 of 11) – The "Exhibit A" Property Map provides information on the acquisition and identification of all land tracts under the control of the airport. Both existing and future property holdings are identified on the Property Map.

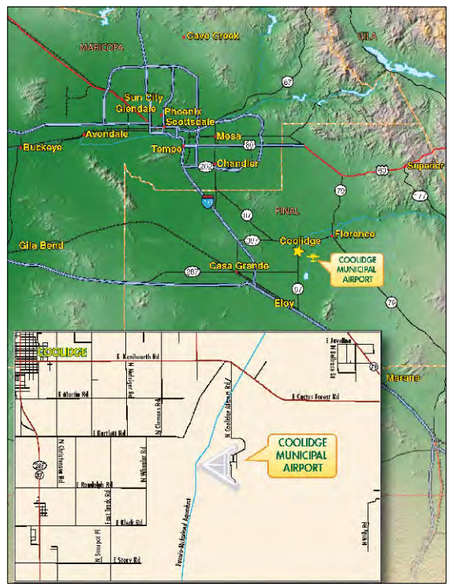
DRAFT ALP DISCLAIMER

The ALP drawing set has been developed in accordance with accepted FAA and Arizona Department of Transportation (ADOT) – Aeronautics Group standards. The ALP set has not been approved by the FAA and is subject to FAA airspace review. Land use and other changes may result.

AIRPORT MASTER PLAN

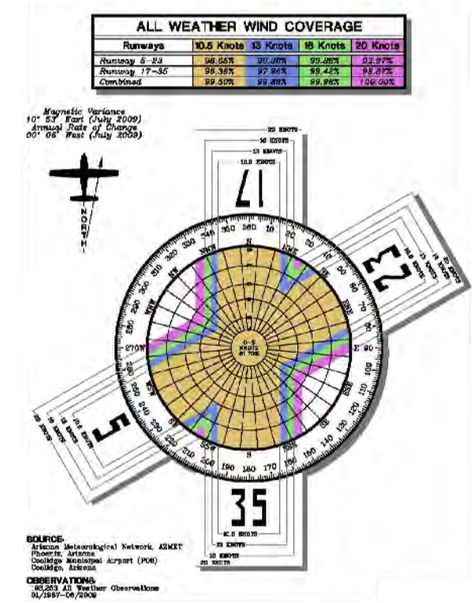
COOLIDGE MUNICIPAL AIRPORT

AIRPORT LAYOUT PLAN SET



INDEX OF DRAWINGS

1. AIRPORT LAYOUT PLAN
2. TERMINAL AREA DRAWING
3. AIRPORT AIRSPACE DRAWING
4. INNER PORTION OF THE RUNWAY 5-23 APPROACH SURFACE DRAWING
5. INNER PORTION OF THE RUNWAY 17-35 APPROACH SURFACE DRAWING
6. RUNWAY 5-23 PROFILE & OUTER APPROACH SURFACE PROFILE DRAWING
7. RUNWAY 17-35 PROFILE & OUTER APPROACH SURFACE PROFILE DRAWING
8. DEPARTURE SURFACE DRAWING FOR RUNWAY 5-23
9. DEPARTURE SURFACE DRAWING FOR RUNWAY 17-35
10. ON-AIRPORT LAND USE PLAN
11. "EXHIBIT A" PROPERTY MAP



PREPARED FOR
CITY OF COOLIDGE, ARIZONA

DRAFT

Coffman Associates
Airport Consultants

Coffman Associates 00 P08 COV 6 18 10.dwg 06/18/2010

RUNWAY DATA

	RUNWAY 5-23		RUNWAY 17-35	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
RUNWAY CATEGORY/AIRCRAFT DESIGN GROUP	C-IV	C-IV	B-II	B-II
CRITICAL DESIGN AIRCRAFT	C-130	SAME	KING AIR 200	SAME
UNDERCARRIAGE WIDTH (FEET)	14.3'	SAME	17.2	SAME
WINGSPAN OF DESIGN AIRCRAFT	132.6'	SAME	50.25'	SAME
APPROACH SPEED OF DESIGN AIRCRAFT (KNOTS)	138	SAME	100	SAME
MAXIMUM TAKE OFF WEIGHT (lb.)	155,000	SAME	10,100	SAME
RUNWAY BEARING (TRUE)	60.06°	SAME	180.00°	SAME
RUNWAY DIMENSIONS	5562.72'X150'	8100.00'X150'	3871.2'X75'	4271.2'X75'
ELEVATION OF RWY. TOUCH DOWN ZONE (MSL)	1548.0'/1574.0'	1549.0'/1580.0'	1573.0'/1573.0'	1564.8'/1573.0'
ELEVATION OF RUNWAY HIGH POINT (above MSL)	1574.0'	1580'	1573.0'	SAME
ELEVATION OF RUNWAY LOW POINT (above MSL)	1548.0'	1549'	1563.0'	SAME
WIND COVERAGE IN MPH/KNOTS	12.1/10.5-99.20% / 15/13-99.88%		18/16-99.98% / 23/20-100.00%	
APPROACH VISIBILITY MINIMUMS	ONE MILE/ONE MILE	3/4 MILE	VISUAL/VISUAL	ONE MILE/ONE MILE
14 CFR PART 77 CATEGORY	NON PREC/NON. PREC	SAME/SAME	UTILITY/UTILITY	NON PREC/NON. PREC
RUNWAY APPROACH SURFACES	20:1/20:1	34:1/34:1	20:1/20:1	SAME
RUNWAY THRESHOLD DISPLACEMENT	NONE	NONE	NONE	NONE
RUNWAY SAFETY AREA WIDTH (RSA)	500'	SAME	150'	SAME
RSA DISTANCE BEYOND EACH RUNWAY END	1,000'/1,000'	SAME	300'	SAME
RUNWAY OBJECT FREE AREA WIDTH (OFA)	800'/800'	SAME	500'	SAME
OFA DISTANCE BEYOND EACH RUNWAY END	1,000'/1,000'	SAME	300'	SAME
RUNWAY OBSTACLE FREE ZONE WIDTH (OFZ)	400'	SAME	400'	SAME
OFZ DISTANCE BEYOND EACH RUNWAY END	200'	SAME	200'	SAME
LINE OF SITE REQUIREMENT MET	YES	SAME	YES	SAME
DECLARED DISTANCES	N/A	N/A	N/A	N/A
RUNWAY PAVEMENT MATERIAL	ASPHALT	SAME	ASPHALT	SAME
RUNWAY PAVEMENT SURFACE TREATMENT	NONE	SAME	NONE	SAME
PAVEMENT STRENGTH (in thousand lb.)[1]	80(S)/115(D)/210(DT)	SAME	17(S)	30(S)
RUNWAY EFFECTIVE GRADIENT (in %)	0.5%	SAME	0.3%	SAME
MAXIMUM GRADIENT (in %)	1.5%	SAME	2%	SAME
RUNWAY LIGHTING	MIRL	SAME	NONE	MIRL
RUNWAY MARKINGS	NON PREC	SAME	BASIC	NON PREC
RUNWAY APPROACH LIGHTING	NONE	MALS/MALS	NONE	SAME
PARALLEL RUNWAY SEPARATION	N/A	N/A	N/A	N/A
RUNWAY CENTERLINE TO AIRCRAFT PARKING	500'	SAME	250'	SAME
RUNWAY/TAXIWAY SEPARATION	400'	SAME	240'	SAME
TAXIWAY PAVEMENT MATERIAL	ASPHALT	SAME	ASPHALT	SAME
TAXIWAY LIGHTING	MITL (LIMITED)	MITL (ALL ACTIVE)	NONE	MITL
TAXIWAY MARKING	CENTERLINE	SAME	CENTERLINE	SAME
TAXIWAY OBJECT FREE AREA	259'	SAME	131'	SAME
TAXIWAY SAFETY AREA WIDTH	171'	SAME	79'	SAME
TAXIWAY CL TO FIXED OR MOVEABLE OBJECT	129.5'	SAME	65.5'	SAME
DISTANCE FROM RWY. CL TO HOLD BARS	250'	SAME	125'	200'
WINGTIP CLEARANCE	44	SAME	26'	SAME
VISUAL AIDS	PAPI-2 -- --	PAPI-4 MALS --	-- -- --	PAPI-2 REILs --
NAVIGATIONAL AIDS	VOR/DME GPS --	SAME SAME --	-- -- --	GPS -- --

[1] Pavement strengths are expressed in Single(S), Dual(D), Dual Tandem(DT).

BUILDINGS/FACILITIES

EXISTING	DESCRIPTION	TOP EL.	ULTIMATE	DESCRIPTION	TOP EL.
1	CONVENTIONAL HANGAR (COOLIDGE AVIATION)	1583.6'	20	GENERAL AVIATION TERMINAL AREA	±1590.0'
2	STORAGE HANGARS (COOLIDGE AVIATION)	1589.1'	21	HELICOPTER HARD STANDS	NA
3	FUEL FARM	1574.4'	22	JOINT USE FIRE/RESCUE FACILITY	±1598.0'
4	OFFICES (COOLIDGE AVIATION)	1582.2'	23	BOX HANGARS	±1590.0'
5	INTERNATIONAL AIR RESPONSE	1587.0'	24	WASH RACK	NA
6	NON AVIATION DEVELOPMENT	1596.5'	25	MAINTENANCE BUILDING	±1589.0'
7	COMPLETE PARACHUTE SOLUTIONS	1597.9'	26	HANGARS	±1595.0'
8	COMPLETE PARACHUTE SOLUTIONS	1593.0'	27	--	--'
9	--	--'	28	--	--'
10	--	--'	29	--	--'
11	--	--'	30	--	--'

DEVIATIONS FROM FAA AIRPORT DESIGN STANDARDS

DEVIATION DESCRIPTION	EFFECTED DESIGN STANDARD	STANDARD	EXISTING	PROPOSED DISPOSITION
OBSTRUCTION IN "OFA"	OFA	1,000' BEYOND RUNWAY END	900' BEYOND RUNWAY END	SHIFT RUNWAY 5-23 100' TO THE NORTHEAST

AIRPORT DATA

COOLIDGE MUNICIPAL AIRPORT (P08)

CITY: COLLIDGE, ARIZONA — COUNTY: PINAL

RANGE: 09 E — TOWNSHIP: 6S — CIVIL TOWNSHIP: NA

		EXISTING	ULTIMATE
AIRPORT SERVICE LEVEL		GENERAL AVIATION	SAME
AIRPORT REFERENCE CODE		C-IV	SAME
AIRPORT ELEVATION		1575.0' MSL	SAME
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH		105° F (July)	SAME
AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83)	Latitude	32°56'06.2300"N	32°56'13.200"N
	Longitude	111°25'32.4300"W	111°25'18.810"W
AIRPORT and TERMINAL NAVIGATIONAL AIDS		GPS	SAME
		VOR/DME	SAME
		PAPI-2	PAPI-4
		ROTATING BEACON	SAME
		SEGMENTED CIRCLE/WIND CONE	SAME
		--	REILs

RUNWAY END COORDINATES (NAD 83)

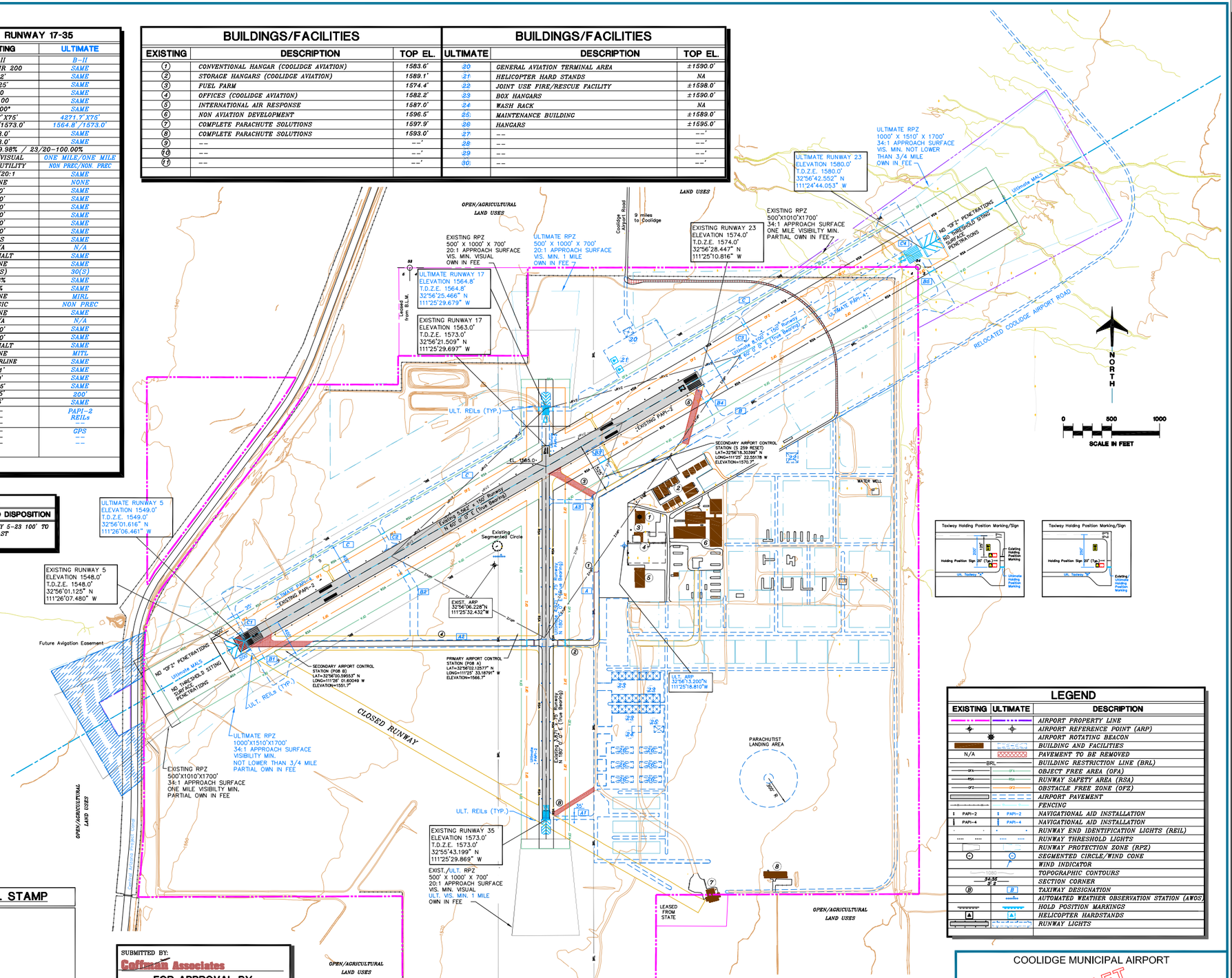
RUNWAY		EXISTING	ULTIMATE
Runway 5	Latitude	32°56'01.125"N	32°56'01.616"N
	Longitude	111°26'07.48"W	111°26'06.461"W
Runway 23	Latitude	32°56'28.447"N	32°56'42.552"N
	Longitude	111°25'10.816"W	111°24'44.053"W
Runway 17	Latitude	32°56'21.509"N	32°56'25.466"N
	Longitude	111°25'29.697"W	111°25'29.679"W
Runway 35	Latitude	32°55'43.199"N	SAME
	Longitude	111°25'29.869"W	SAME

GENERAL NOTES:

1. Depiction of features and objects, including related elevations within the runway protection zones are depicted on the INNER APPROACH SURFACE DRAWING.
2. Details concerning terminal improvements are depicted on the TERMINAL AREA PLANS.
3. Recommended land uses within the airport environs are depicted on the AIRPORT LAND USE PLAN.
4. Detail concerning airport property are depicted on the AIRPORT PROPERTY MAP.
5. Building Restriction Line (BRL) is established in accordance with F.A.R. Part 77 criteria. Building Restriction Line location may be reduced in accordance to Part 77 to limits of the Runway Object Free Area, Runway Safety Area, and/or Runway Protection Zone criteria.
6. Ultimate fence line extends around Existing/Ultimate Property Line except where shown.
7. Base Map and Contours derived from August, 2009 aerial photography and planametric mapping, surveyed by Urban Engineering Inc..
8. Source for existing runway end/displaced threshold coordinates, elevations: Planametric Mapping surveyed by Urban Engineering Inc.
9. All elevations are in NAVD 88 and all horizontal coordinates are in NAD 83.
10. The airport has not been surveyed in accordance with FAA Standard 405.
11. No threshold siting surface object penetrations.
12. All survey monuments enclosed in concrete casings.

FAA APPROVAL STAMP

SUBMITTED BY:
Coffman Associates
FOR APPROVAL BY:
APPROVED BY: ON THE DATE OF:
ASSISTANT CITY MANAGER



LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING AND FACILITIES
N/A		PAVEMENT TO BE REMOVED
BRL		BUILDING RESTRICTION LINE (BRL)
OFA	OFA	OBJECT FREE AREA (OFA)
RSA	RSA	RUNWAY SAFETY AREA (RSA)
OFZ	OFZ	OBSTACLE FREE ZONE (OFZ)
		AIRPORT PAVEMENT
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
PAPI-4	PAPI-4	NAVIGATIONAL AID INSTALLATION
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
		RUNWAY PROTECTION ZONE (RPZ)
		SEGMENTED CIRCLE/WIND CONE
		WIND INDICATOR
		TOPOGRAPHIC CONTOURS
34/52 9' 2'		SECTION CORNER
B	B	TAXIWAY DESIGNATION
		AUTOMATED WEATHER OBSERVATION STATION (AWOS)
		HOLD POSITION MARKINGS
A	A	HELICOPTER HARDSTANDS
		RUNWAY LIGHTS

No.	REVISIONS	DATE	BY	APP'D.
2	--	--	--	--
1	--	--	--	--

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COOLIDGE MUNICIPAL AIRPORT

AIRPORT LAYOUT PLAN

DRAFT

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 — SHEET 1 OF 11

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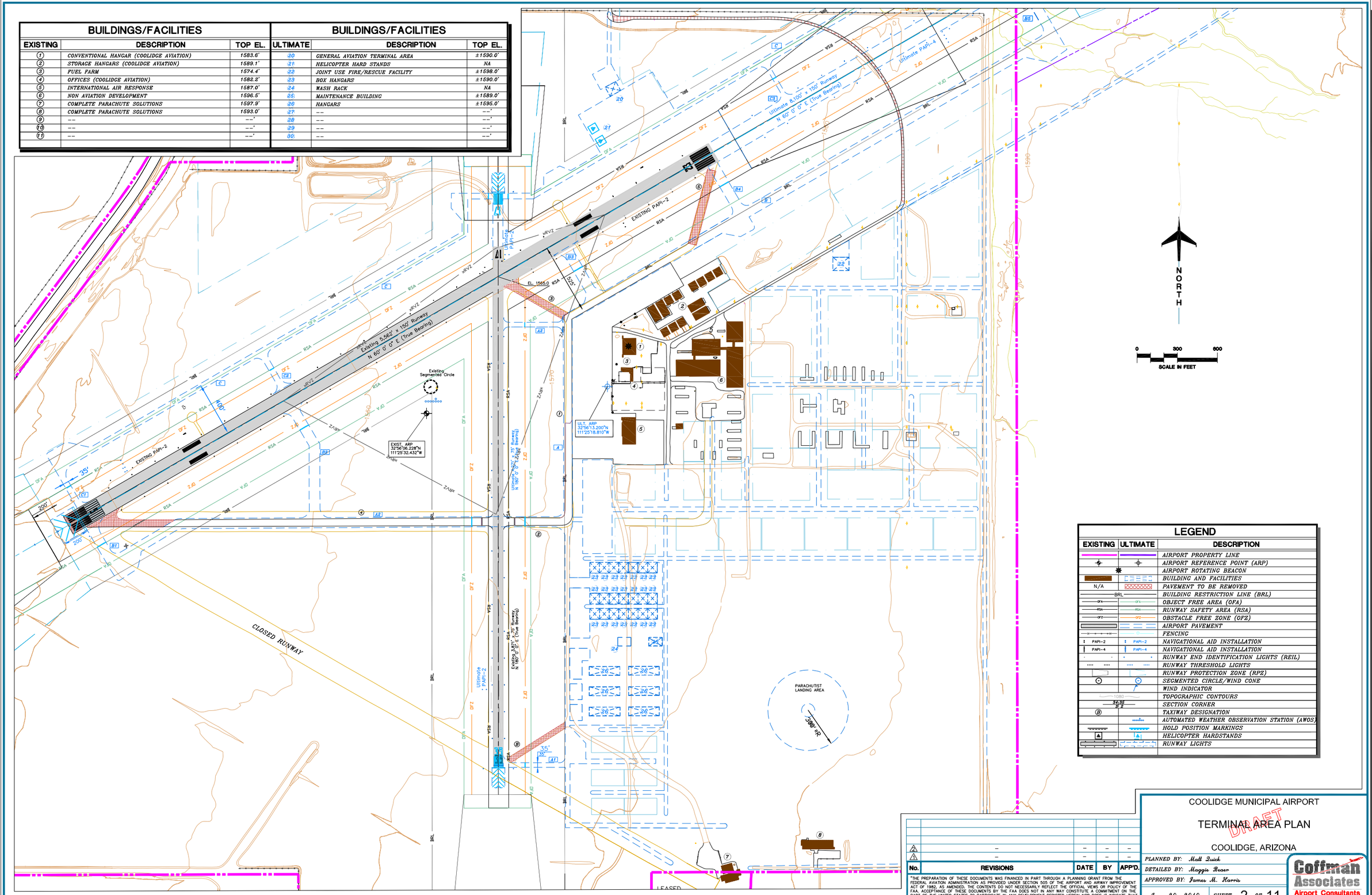
BUILDINGS/FACILITIES			BUILDINGS/FACILITIES		
EXISTING	DESCRIPTION	TOP EL.	ULTIMATE	DESCRIPTION	TOP EL.
1	CONVENTIONAL HANGAR (COOLIDGE AVIATION)	1583.6'	20	GENERAL AVIATION TERMINAL AREA	±1590.0'
2	STORAGE HANGARS (COOLIDGE AVIATION)	1589.1'	21	HELICOPTER HARD STANDS	NA
3	FUEL FARM	1574.4'	22	JOINT USE FIRE/RESCUE FACILITY	±1598.0'
4	OFFICES (COOLIDGE AVIATION)	1582.2'	23	BOX HANGARS	±1590.0'
5	INTERNATIONAL AIR RESPONSE	1587.0'	24	WASH RACK	NA
6	NON AVIATION DEVELOPMENT	1596.5'	25	MAINTENANCE BUILDING	±1589.0'
7	COMPLETE PARACHUTE SOLUTIONS	1597.9'	26	HANGARS	±1595.0'
8	COMPLETE PARACHUTE SOLUTIONS	1593.0'	27	--	--'
9	--	--'	28	--	--'
10	--	--'	29	--	--'
11	--	--'	30	--	--'



LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING AND FACILITIES
N/A		PAVEMENT TO BE REMOVED
BRL	BRL	BUILDING RESTRICTION LINE (BRL)
OFA	OFA	OBJECT FREE AREA (OFA)
RSA	RSA	RUNWAY SAFETY AREA (RSA)
OFZ	OFZ	OBSTACLE FREE ZONE (OFZ)
		AIRPORT PAVEMENT
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
PAPI-4	PAPI-4	NAVIGATIONAL AID INSTALLATION
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
		RUNWAY PROTECTION ZONE (RPZ)
		SEGMENTED CIRCLE/WIND CONE
		WIND INDICATOR
1080		TOPOGRAPHIC CONTOURS
34 35 / 3 2		SECTION CORNER
B		TAXIWAY DESIGNATION
		AUTOMATED WEATHER OBSERVATION STATION (AWOS)
		HOLD POSITION MARKINGS
A	A	HELICOPTER HARDSTANDS
		RUNWAY LIGHTS

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

TERMINAL AREA PLAN

DRAFT

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 SHEET 2 OF 11

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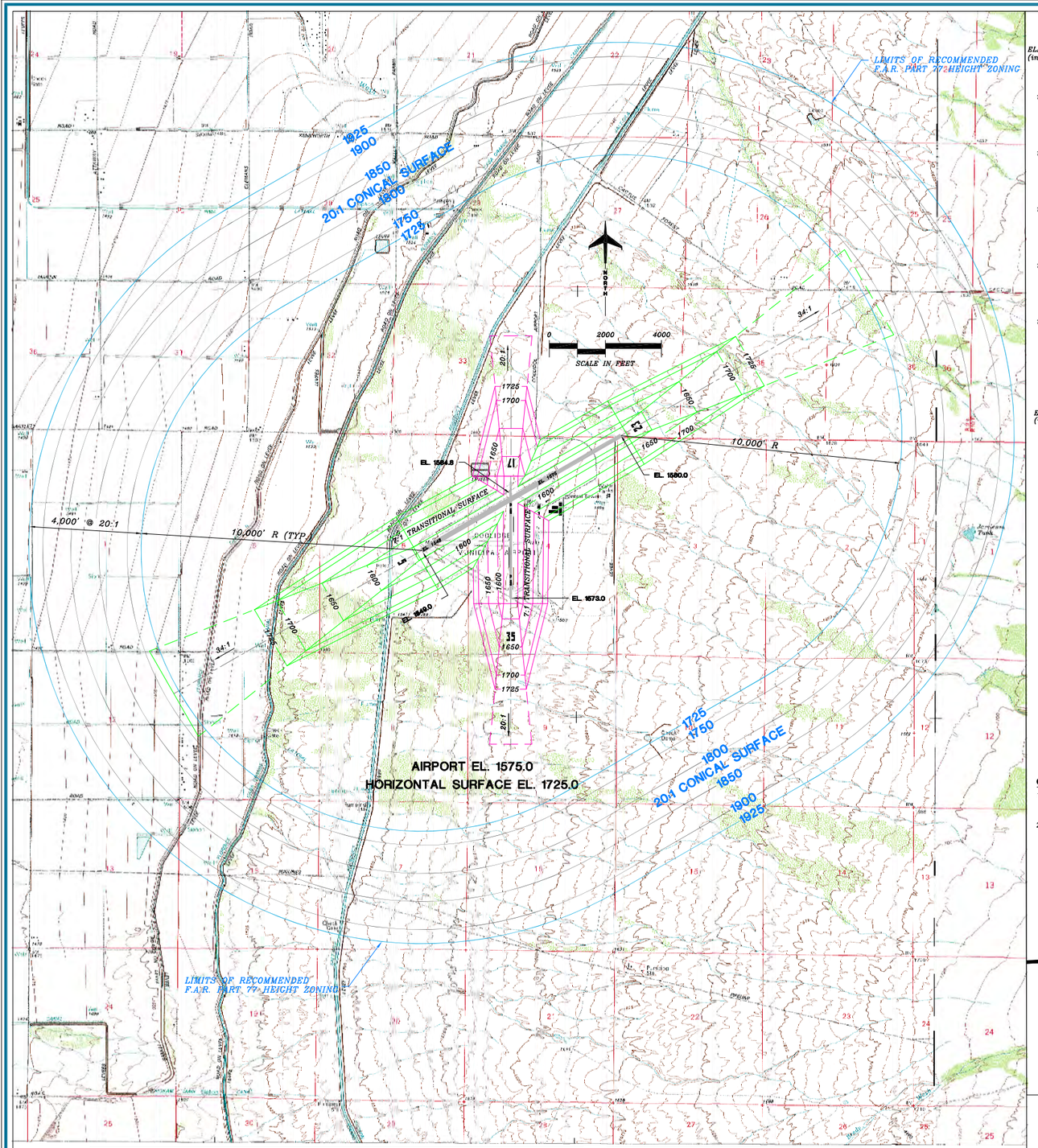


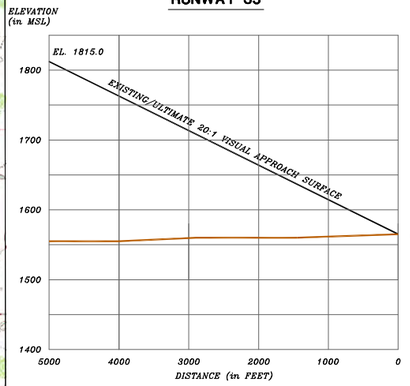
OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE FOUND	–	–	–	–	–

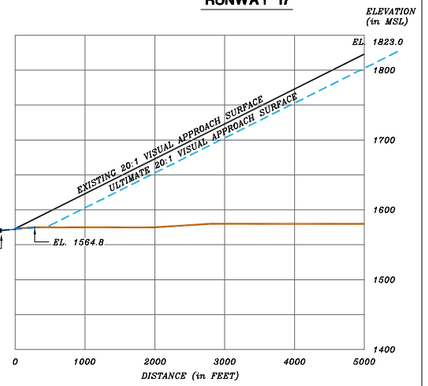
OBSTRUCTION LEGEND

- OBSTRUCTION
- GROUP or MULTIPLE OBSTRUCTIONS

RUNWAY 35

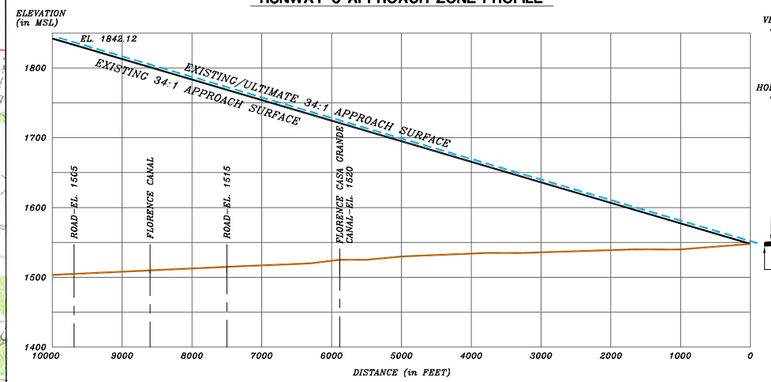


RUNWAY 17

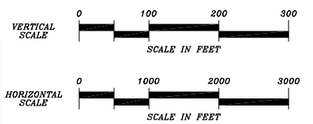


RUNWAY 17-35 APPROACH ZONES PROFILES

RUNWAY 5 APPROACH ZONE PROFILE

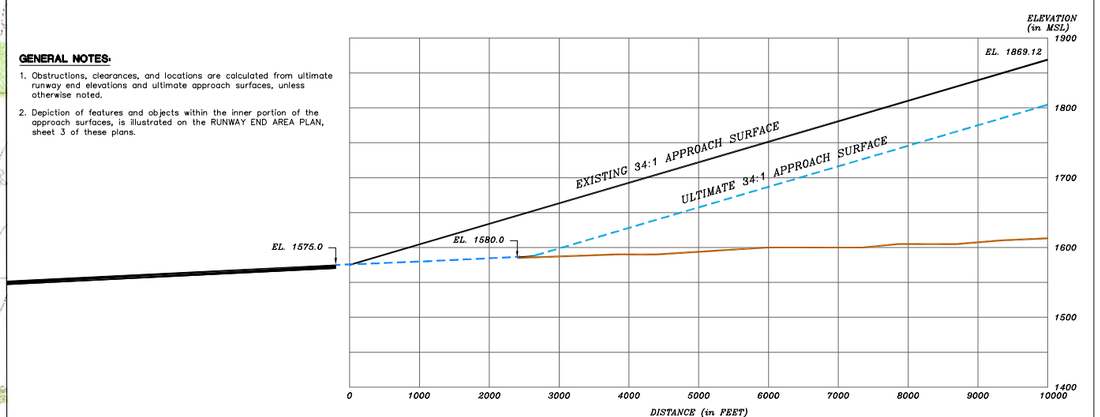


APPROACH ZONE PROFILES



GENERAL NOTES:

1. Obstructions, clearances, and locations are calculated from ultimate runway end elevations and ultimate approach surfaces, unless otherwise noted.
2. Depiction of features and objects within the inner portion of the approach surfaces, is illustrated on the RUNWAY END AREA PLAN, sheet 3 of these plans.



RUNWAY 23 APPROACH ZONE PROFILE

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

AIRPORT AIRSPACE DRAWING

DRAFT

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Brace
APPROVED BY: James M. Harris

June 30, 2010 SHEET 3 OF 11

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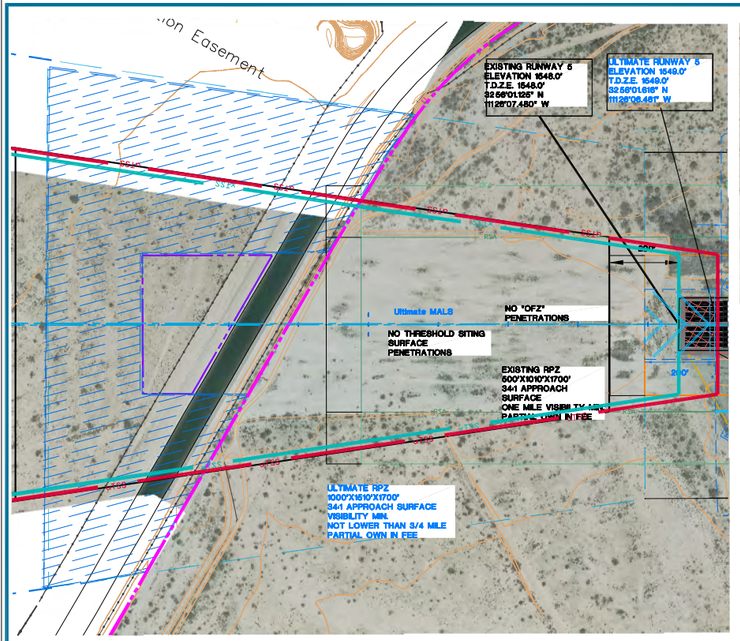
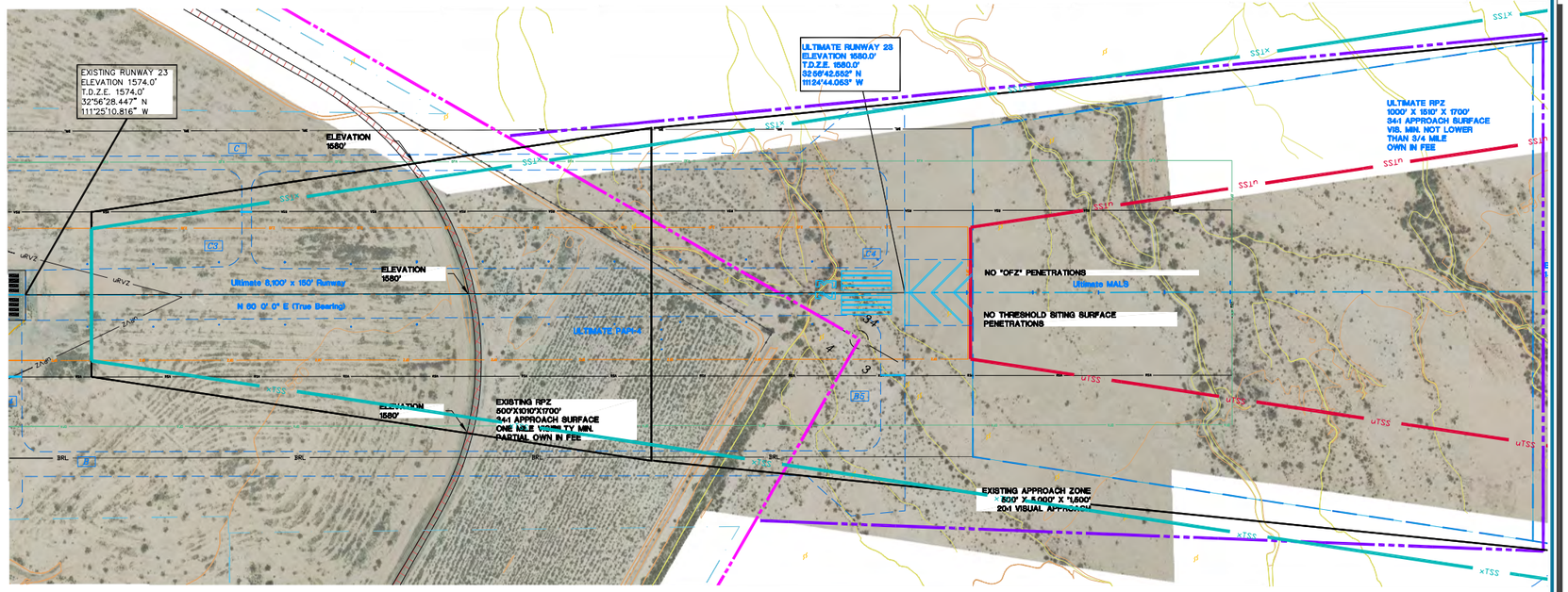
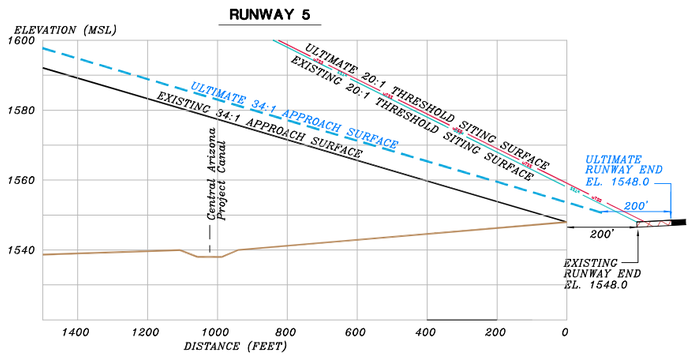
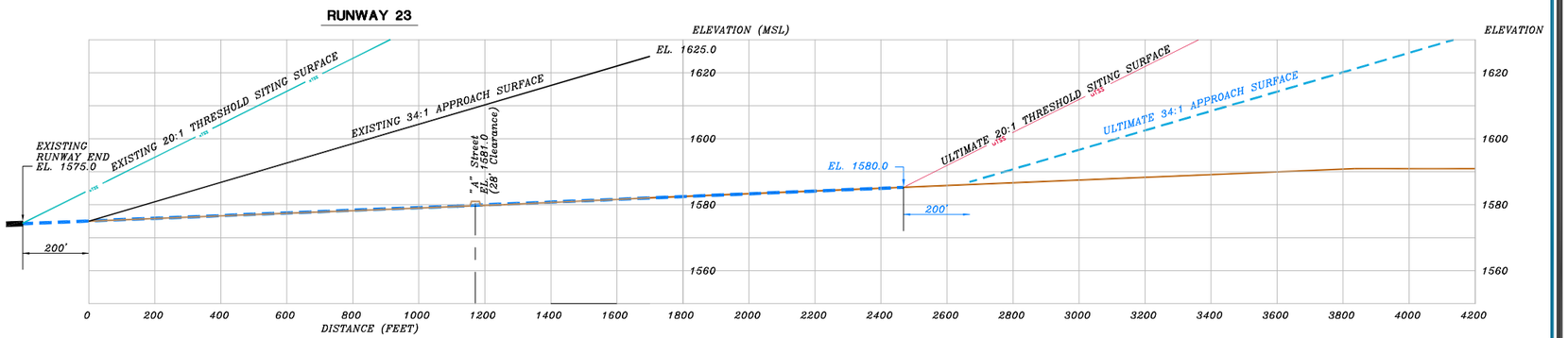




RUNWAY 5-23 INNER APPROACH SURFACE PLANS and PROFILES





OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE FOUND	–	–	–	–	–
–	–	–	–	–	–

GENERAL NOTES:

1. Obstructions, clearances, and locations are calculated from existing runway end elevations and existing approach surfaces, unless otherwise noted.
2. Depiction of features and objects within the primary, transitional, and horizontal Part 77 surfaces, is illustrated on the PART 77 AIRSPACE DRAWING
3. Depiction of features and objects within the outer portion of the approach surfaces, are illustrated on the OUTER APPROACH SURFACE DRAWINGS

NORTH

HORIZONTAL SCALE IN FEET
0 200 400

VERTICAL SCALE IN FEET
0 20 40

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

INNER PORTION OF THE RUNWAY 5-23 APPROACH SURFACE DRAWING

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 SHEET 4 OF 11

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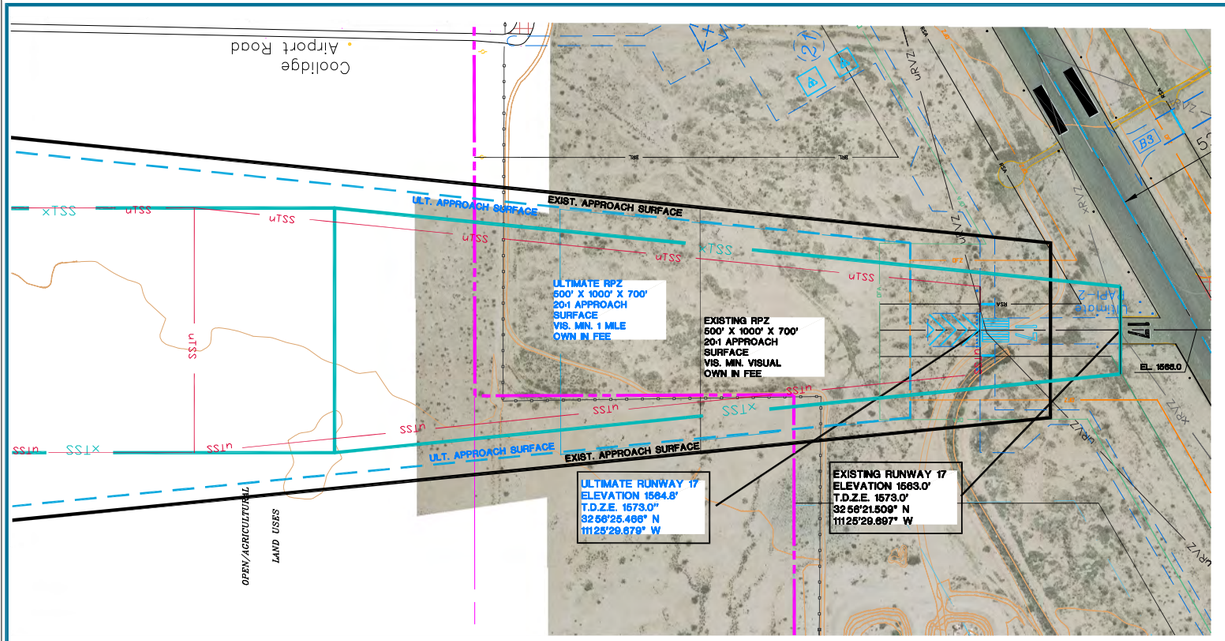
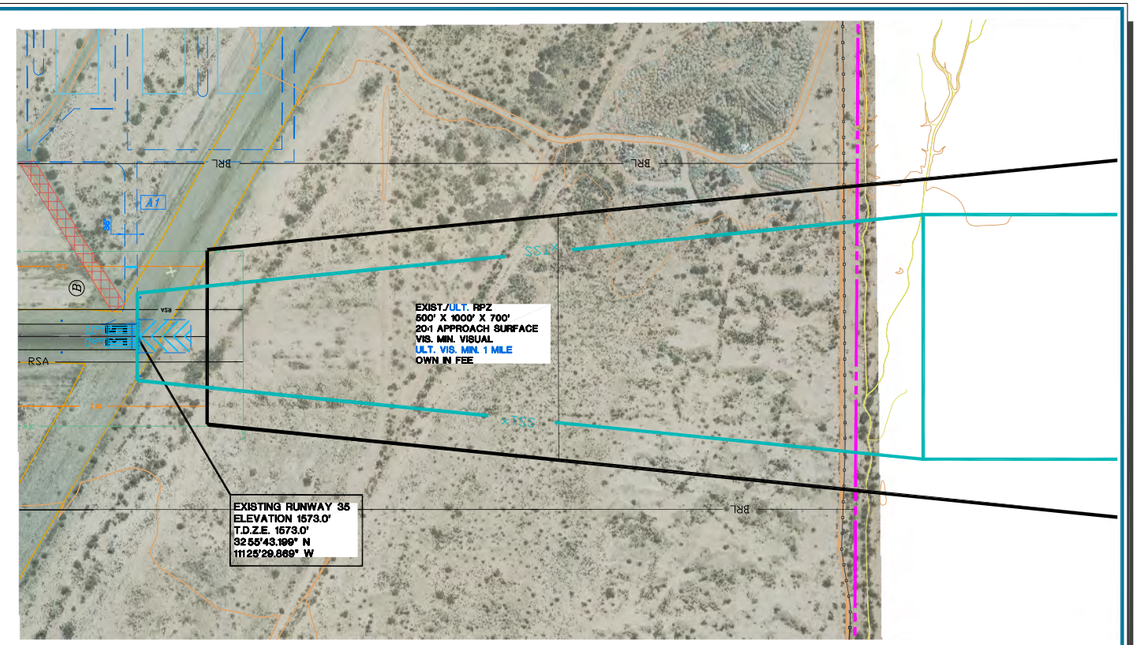
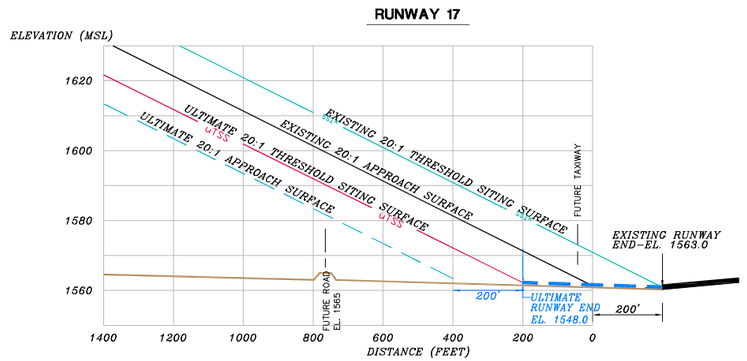
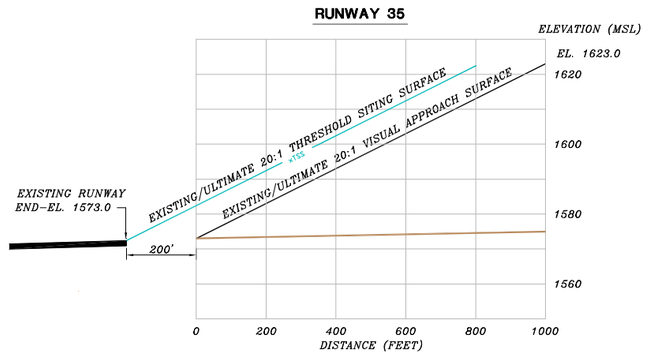




RUNWAY 17-35 INNER APPROACH SURFACE PLANS and PROFILES





OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE FOUND	–	–	–	–	–
–	–	–	–	–	–

GENERAL NOTES:

1. Obstructions, clearances, and locations are calculated from existing runway end elevations and existing approach surfaces, unless otherwise noted.
2. Depiction of features and objects within the primary, transitional, and horizontal Part 77 surfaces, is illustrated on the PART 77 AIRSPACE DRAWING
3. Depiction of features and objects within the outer portion of the approach surfaces, are illustrated on the OUTER APPROACH SURFACE DRAWINGS

NORTH

HORIZONTAL SCALE IN FEET
0 200 400

VERTICAL SCALE IN FEET
0 20 40

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

INNER PORTION OF THE RUNWAY 17-35 APPROACH SURFACE DRAWING

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 SHEET 5 OF 11

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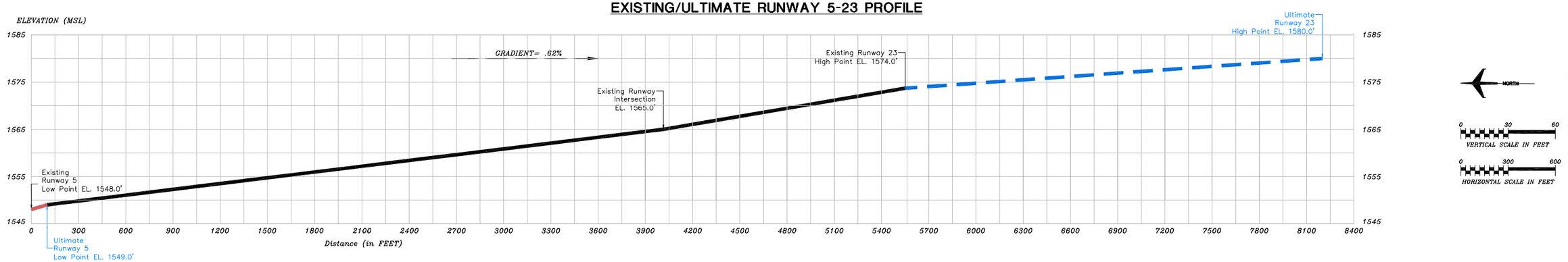
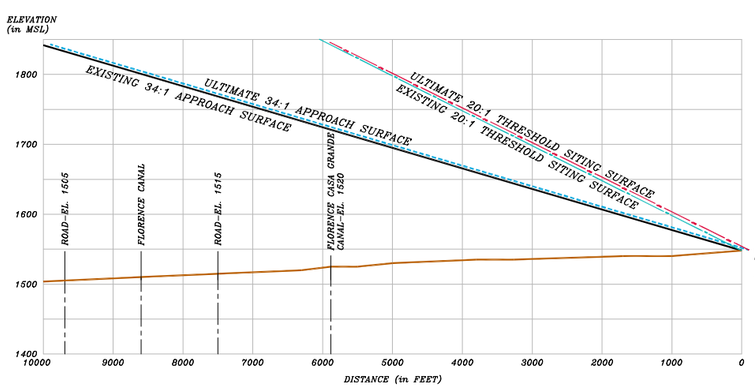
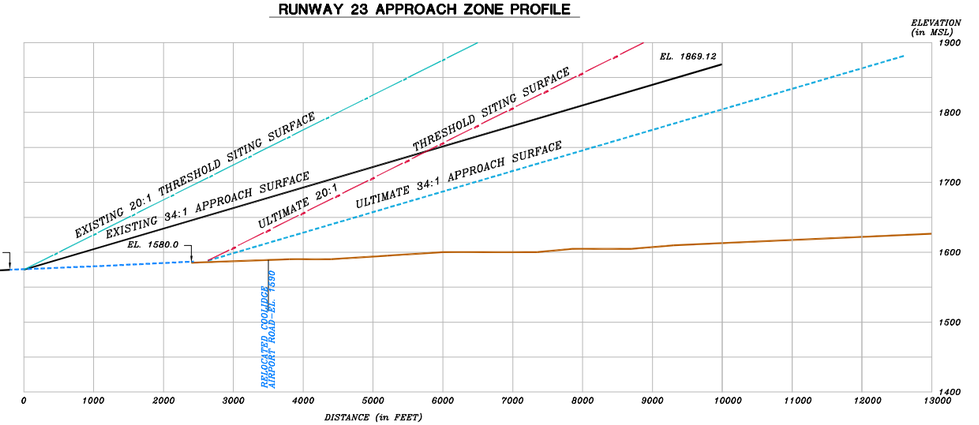
EXISTING/ULTIMATE RUNWAY 5-23 PROFILE



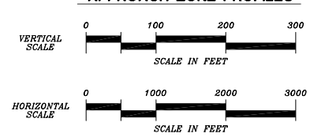
RUNWAY 5 APPROACH ZONE PROFILE



RUNWAY 23 APPROACH ZONE PROFILE



APPROACH ZONE PROFILES



GENERAL NOTES:

1. Obstructions, clearances, and locations are calculated from ultimate runway end elevations and ultimate approach surfaces, unless otherwise noted.
2. Depiction of features and objects within the inner portion of the approach surfaces, is illustrated on the RUNWAY END AREA PLAN, sheet 3 of these plans.

GENERAL NOTES:

1. Obstructions, clearances, and locations are calculated from existing runway end elevations and existing approach surfaces, unless otherwise noted.
2. Depiction of features and objects within the primary, transitional, and horizontal Part 77 surfaces, is illustrated on the PART 77 AIRSPACE DRAWING
3. Depiction of features and objects within the outer portion of the approach surfaces, are illustrated on the OUTER APPROACH SURFACE DRAWINGS

OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE FOUND	–	–	–	–	–
–	–	–	–	–	–

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

RUNWAY 5-23 PROFILE AND OUTER APPROACH SURFACE DRAWING

DRAFT

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010

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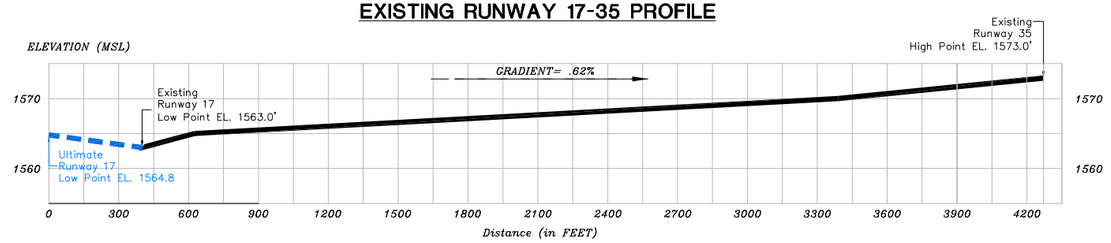
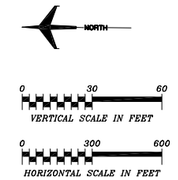
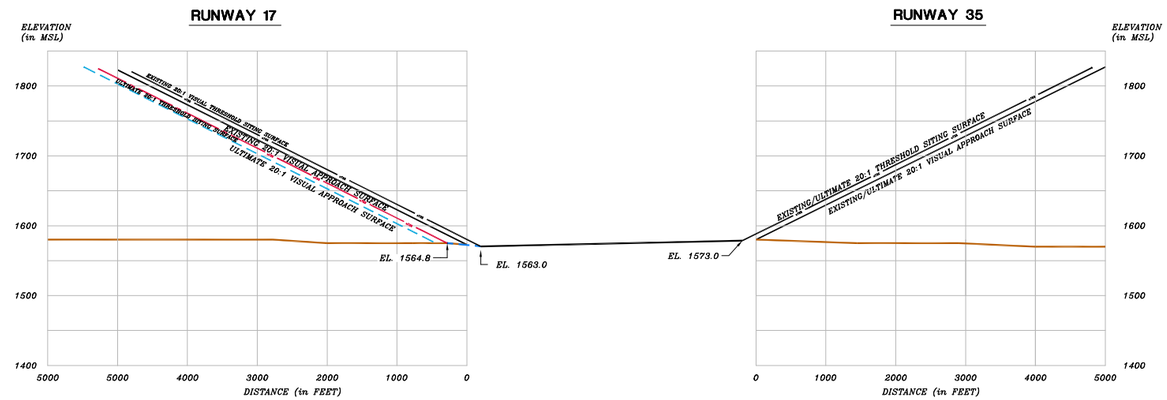
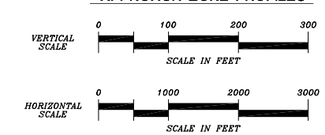
EXISTING RUNWAY 17-35 PROFILE







APPROACH ZONE PROFILES



RUNWAY 17-35 OUTER APPROACH SURFACE PLANS and PROFILES

OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE FOUND	–	–	–	–	–
–	–	–	–	–	–

GENERAL NOTES:

1. Obstructions, clearances, and locations are calculated from existing runway end elevations and existing approach surfaces, unless otherwise noted.
2. Depiction of features and objects within the primary, transitional, and horizontal Part 77 surfaces, is illustrated on the PART 77 AIRSPACE DRAWING
3. Depiction of features and objects within the outer portion of the approach surfaces, are illustrated on the OUTER APPROACH SURFACE DRAWINGS

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

RUNWAY 17-35 PROFILE AND OUTER APPROACH SURFACE DRAWING

DRAFT

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 | SHEET 7 OF 11

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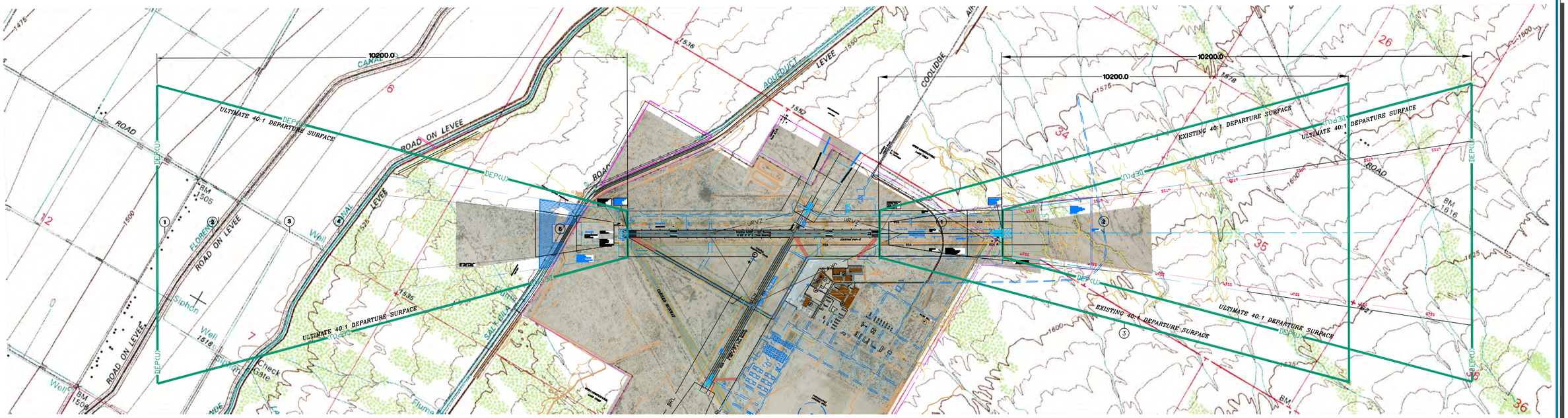
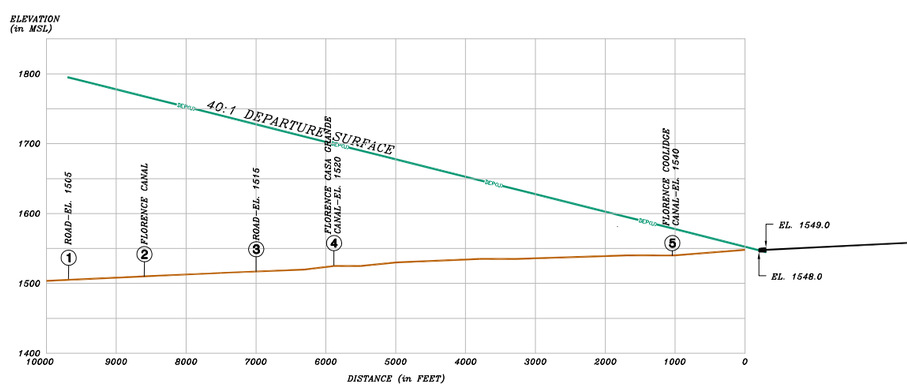
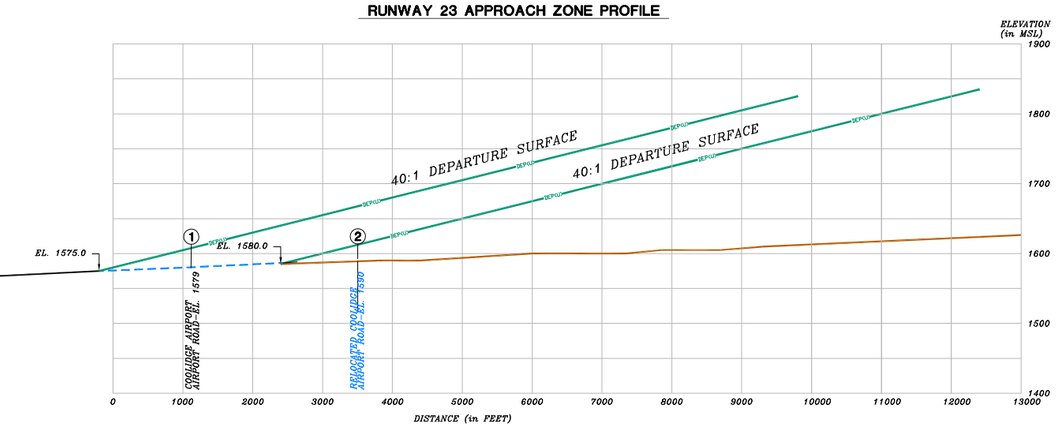


RUNWAY 5 APPROACH ZONE PROFILE



RUNWAY 23 APPROACH ZONE PROFILE



APPROACH ZONE PROFILES

VERTICAL SCALE 0 100 200 300 SCALE IN FEET

HORIZONTAL SCALE 0 1000 2000 3000 SCALE IN FEET

NORTH

OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE FOUND	–	–	–	–	–
–	–	–	–	–	–

GENERAL NOTES:

1. Obstructions, clearances, and locations are calculated from existing runway end elevations and existing approach surfaces, unless otherwise noted.
2. Depiction of features and objects within the primary, transitional, and horizontal Part 77 surfaces, is illustrated on the PART 77 AIRSPACE DRAWING
3. Depiction of features and objects within the outer portion of the approach surfaces, are illustrated on the OUTER APPROACH SURFACE DRAWINGS

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

RUNWAY 5-23 DEPARTURE SURFACE DRAWING

DRAFT

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 SHEET 8 OF 11

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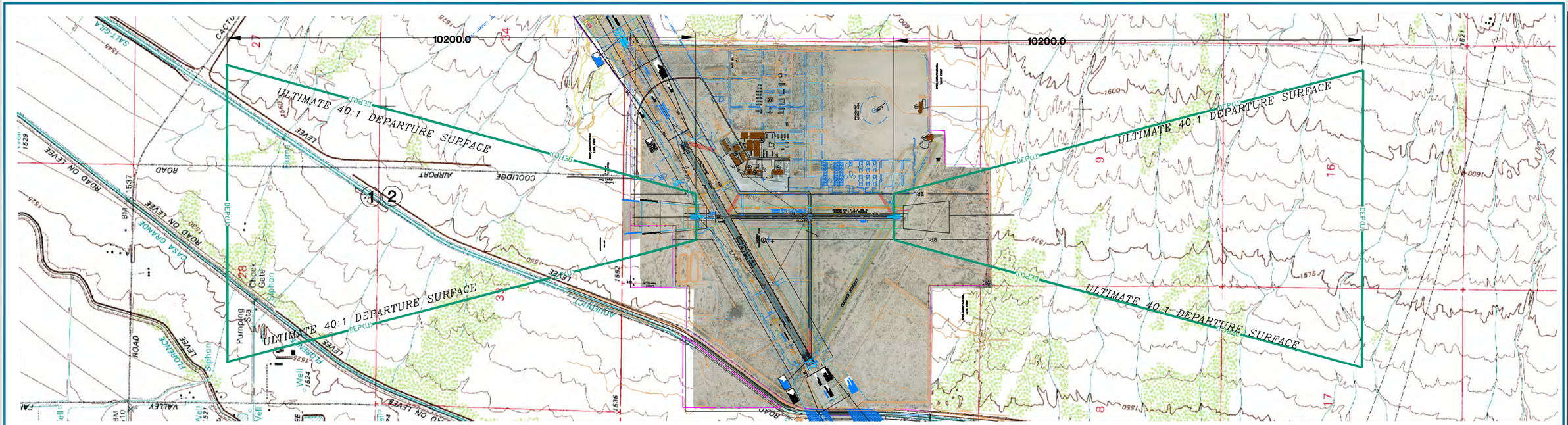
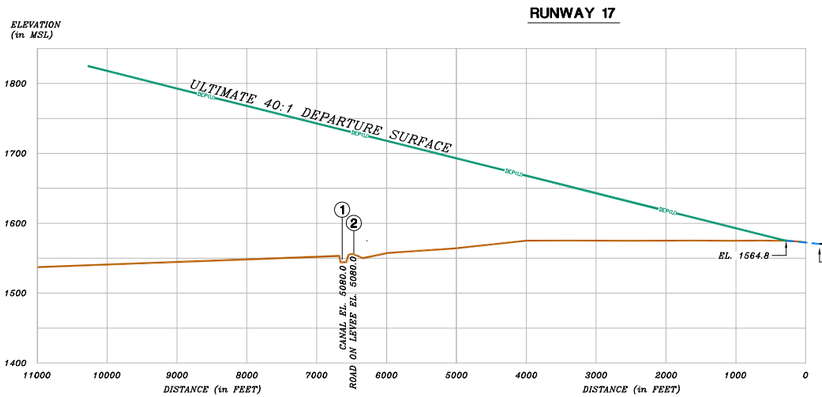
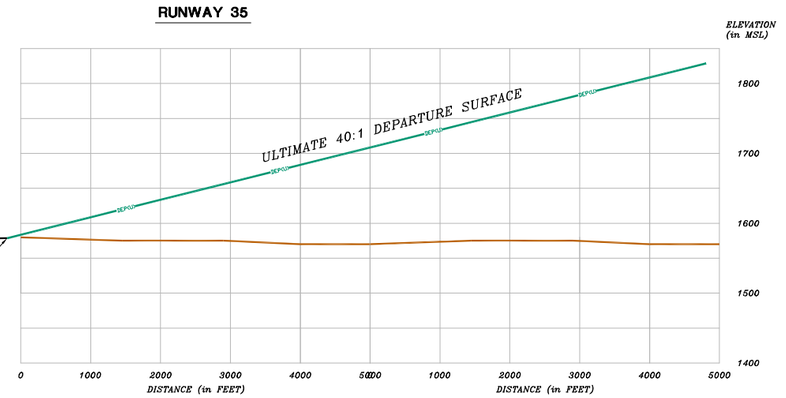


RUNWAY 17



RUNWAY 35



DEPARTURE SUFACES PROFILES

VERTICAL SCALE: 0 100 200 300 — SCALE IN FEET

HORIZONTAL SCALE: 0 1000 2000 3000 — SCALE IN FEET

NORTH

OBSTRUCTION TABLE					
Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE FOUND	–	–	–	–	–
–	–	–	–	–	–

GENERAL NOTES-

1. Obstructions, clearances, and locations are calculated from existing runway and elevations and existing approach surfaces, unless otherwise noted.
2. Depiction of features and objects within the primary, transitional, and horizontal Part 77 surfaces, is illustrated on the PART 77 AIRSPACE DRAWING
3. Depiction of features and objects within the outer portion of the approach surfaces, are illustrated on the OUTER APPROACH SURFACE DRAWINGS

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

RUNWAY 17-35 DEPARTURE SURFACE DRAWING

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 SHEET 9 OF 11

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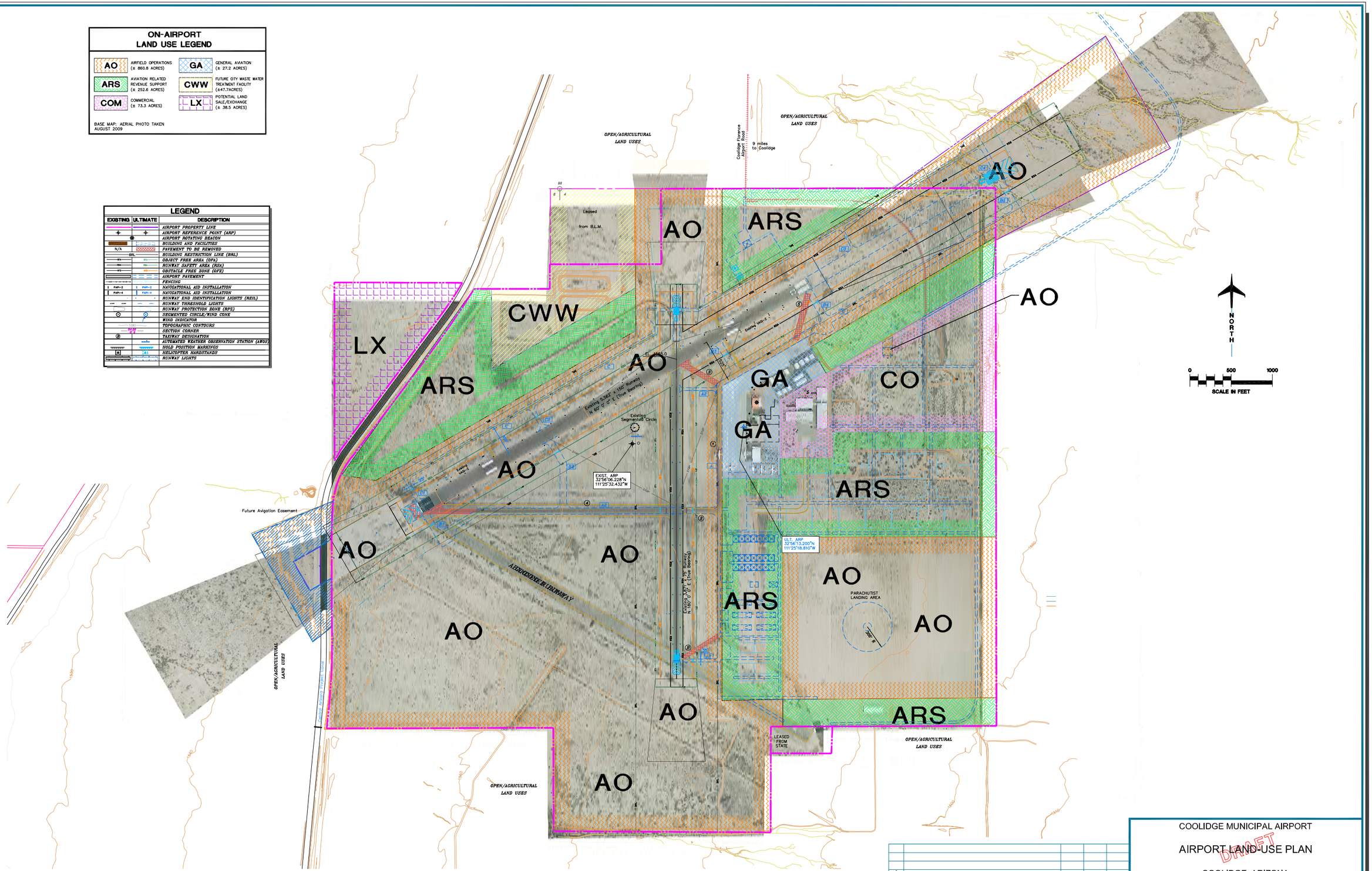
ON-AIRPORT LAND USE LEGEND

AO	AIRFIELD OPERATIONS (± 860.6 ACRES)	GA	GENERAL AVIATION (± 27.2 ACRES)
ARS	AVIATION RELATED REVENUE SUPPORT (± 252.6 ACRES)	CWW	FUTURE CITY WASTE WATER TREATMENT FACILITY (±47.7ACRES)
COM	COMMERCIAL (± 73.3 ACRES)	LX	POTENTIAL LAND SALE/EXCHANGE (± 38.5 ACRES)

BASE MAP: AERIAL PHOTO TAKEN AUGUST 2009

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING AND FACILITIES
N/A		PAVEMENT TO BE REMOVED
	BRL	BUILDING RESTRICTION LINE (BRL)
		OBJECT FREE AREA (OFA)
		RUNWAY SAFETY AREA (RSA)
		OBSTACLE FREE ZONE (OFZ)
		AIRPORT PAVEMENT
		FENCING
		NAVIGATIONAL AID INSTALLATION
		NAVIGATIONAL AID INSTALLATION
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
		RUNWAY PROTECTION ZONE (RPZ)
		SEGMENTED CIRCLE/WIND CONE
		WIND INDICATOR
		TOPOGRAPHIC CONTOURS
		SECTION CORNER
		TAXIWAY DESIGNATION
		AUTOMATED WEATHER OBSERVATION STATION (AWOS)
		HOLD POSITION MARKINGS
		HELICOPTER HARDSTANDS
		RUNWAY LIGHTS



No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

AIRPORT LAND-USE PLAN

DRAFT

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 | SHEET 10 OF 11

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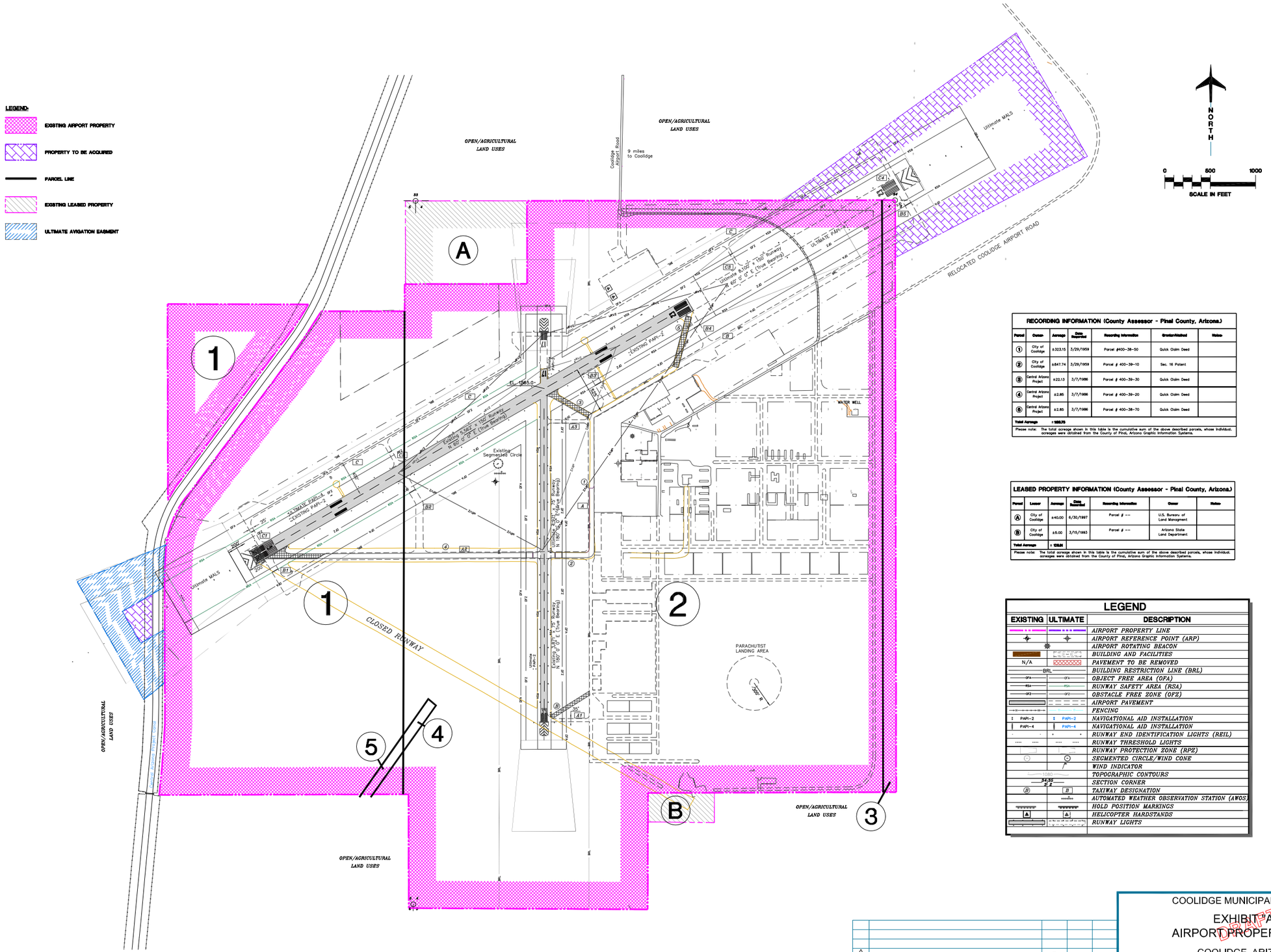

RECORDING INFORMATION (County Assessor - Pinal County, Arizona.)

Parcel	Owner	Acreage	Date Recorded	Recording Information	Grantor/Related	Notes
1	City of Coolidge	±323.15	3/29/1959	Parcel #400-38-50	Quick Claim Deed	
2	City of Coolidge	±847.74	3/29/1959	Parcel # 400-39-10	Sec. 16 Patent	
3	Central Arizona Project	±22.13	3/7/1986	Parcel # 400-39-30	Quick Claim Deed	
4	Central Arizona Project	±2.85	3/7/1986	Parcel # 400-39-20	Quick Claim Deed	
5	Central Arizona Project	±2.85	3/7/1986	Parcel # 400-38-70	Quick Claim Deed	
Total Acreage		± 1195.78				

Please note: The total acreage shown in this table is the cumulative sum of the above described parcels, whose individual acreages were detailed from the County of Pinal, Arizona Graphic Information Systems.

LEASED PROPERTY INFORMATION (County Assessor - Pinal County, Arizona.)

Parcel	Lessor	Acreage	Date Recorded	Recording Information	Owner	Notes
A	City of Coolidge	±40.00	6/30/1997	Parcel # --	U.S. Bureau of Land Management	
B	City of Coolidge	±5.00	3/15/1993	Parcel # --	Arizona State Land Department	
Total Acreage		± 1245.78				

Please note: The total acreage shown in this table is the cumulative sum of the above described parcels, whose individual acreages were detailed from the County of Pinal, Arizona Graphic Information Systems.

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING AND FACILITIES
N/A		PAVEMENT TO BE REMOVED
BRL		BUILDING RESTRICTION LINE (BRL)
OFA	OFA	OBJECT FREE AREA (OFA)
RSA	RSA	RUNWAY SAFETY AREA (RSA)
OFZ	OFZ	OBSTACLE FREE ZONE (OFZ)
		AIRPORT PAVEMENT
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
PAPI-4	PAPI-4	NAVIGATIONAL AID INSTALLATION
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
		RUNWAY PROTECTION ZONE (RPZ)
		SEGMENTED CIRCLE/WIND CONE
		WIND INDICATOR
1000		TOPOGRAPHIC CONTOURS
36 N 36 E		SECTION CORNER
B	B	TAXIWAY DESIGNATION
	AWOS	AUTOMATED WEATHER OBSERVATION STATION (AWOS)
		HOLD POSITION MARKINGS
A	A	HELICOPTER HARDSTANDS
		RUNWAY LIGHTS

No.	REVISIONS	DATE	BY	APP'D.
2	–	–	–	–
1	–	–	–	–

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COOLIDGE MUNICIPAL AIRPORT

EXHIBIT "A"
AIRPORT PROPERTY MAP

COOLIDGE, ARIZONA

PLANNED BY: Matt Quick
DETAILED BY: Maggie Beaver
APPROVED BY: James M. Harris

June 30, 2010 SHEET 11 OF 11

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