

AIRPORT LAYOUT PLANS

PREPARED FOR

COLUMBIA AIRPORT

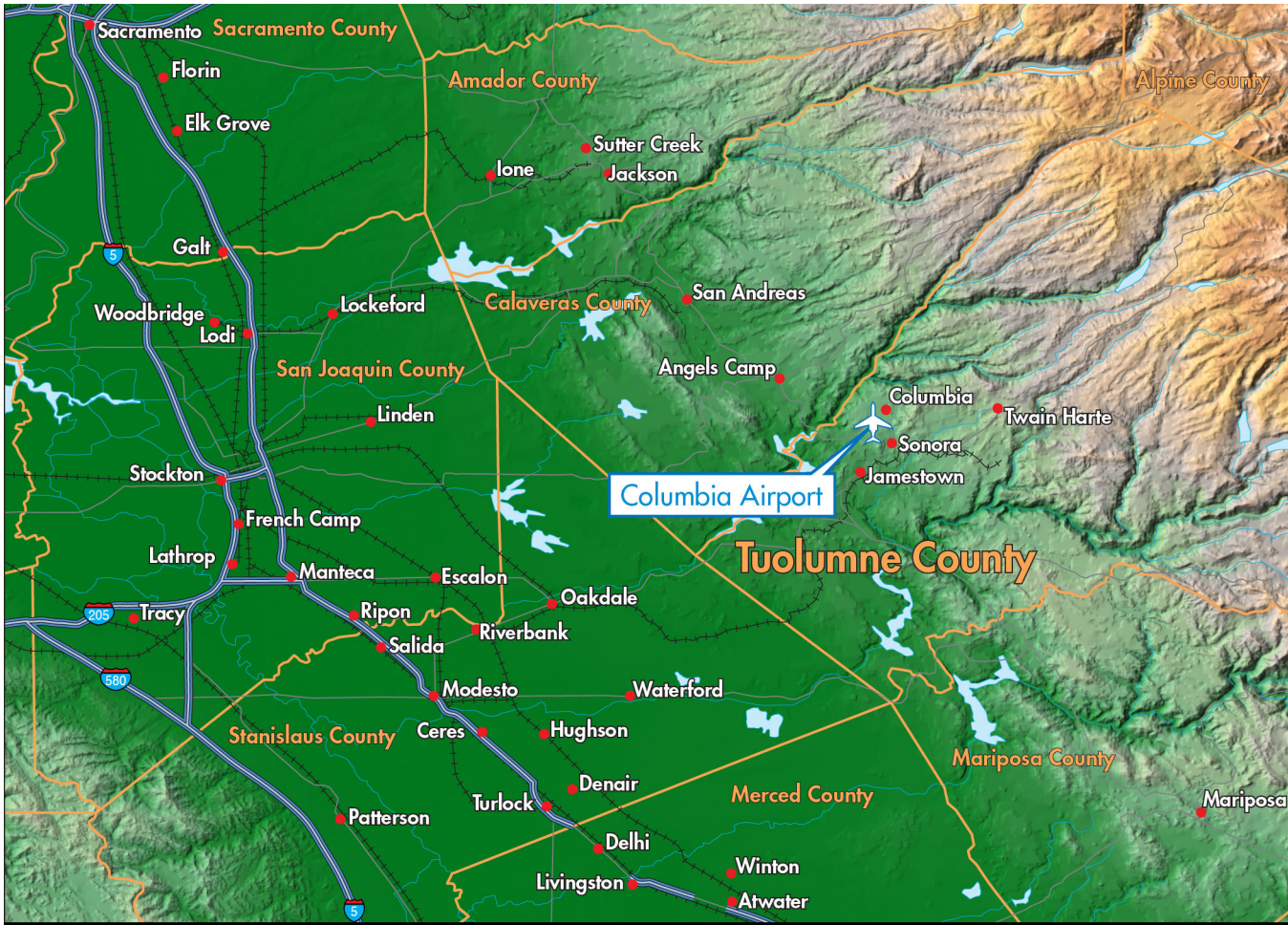
TUOLUMNE COUNTY, CALIFORNIA

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VICINITY MAP



LOCATION MAP



COUNTY MAP

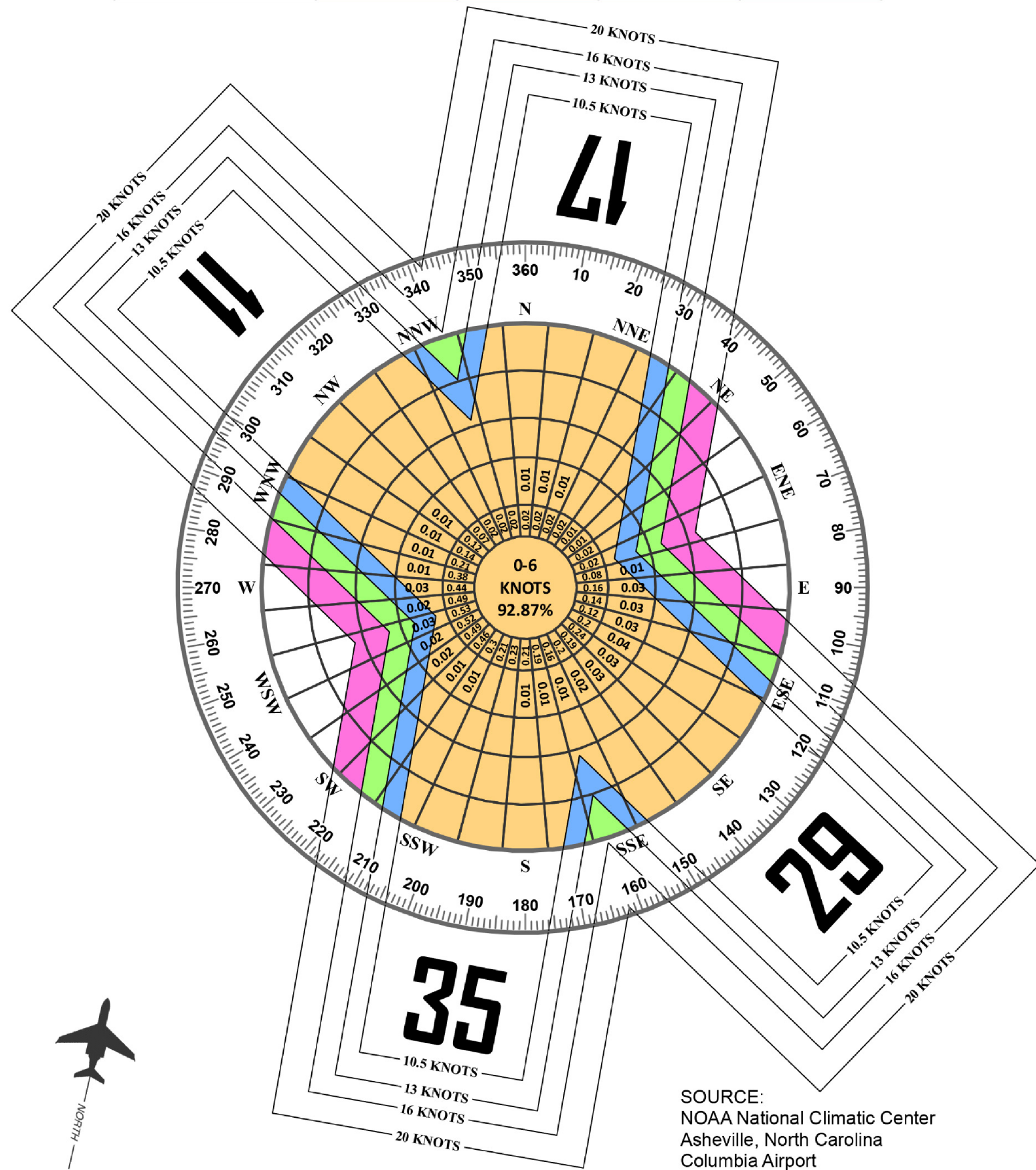
				COLUMBIA AIRPORT	
				TITLE SHEET	
				TUOLUMNE COUNTY, CALIFORNIA	
				PLANNED BY: Matt Quick	
				DETAILED BY: Chris Donnelly	
				APPROVED BY: Jim Harris	
				July 2019	
				SHEET 1 OF 15	

No.	REVISIONS	DATE	BY	APP'D
1	ALP Revision	01/20/2006	Stantec	
2	ALP Update per Master Plan	10/14/1997	Shult Moon Associates	

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 OF 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 THE APPROPRIATE PUBLIC LAWS

Coffman Associates
Airport Consultants

ALL WEATHER WIND COVERAGE				
Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 17-35	99.71%	99.85%	99.98%	100.00%
Runway 11-29	99.85%	99.94%	100.00%	100.00%
All Runways	99.93%	99.99%	100.00%	100.00%



Magnetic Declination
13° 22' 00" East (June 2016)
Annual Rate of Change
00° 06' 00" West (June 2016)

SOURCE:
NOAA National Climatic Center
Asheville, North Carolina
Columbia Airport
Columbia, California

OBSERVATIONS:
167,707 All Weather Observations
*Jan. 1, 2009 - May 31, 2016
*No data available from 8-1-2013 thru 3-31-2014

AIRPORT DATA		
CITY: COLUMBIA	COUNTY: TUOLUMNE	OWNER: TUOLUMNE COUNTY
COLUMBIA AIRPORT - 022	EXISTING	ULTIMATE
AIRPORT REFERENCE CODE (ARC)	B-II	<i>SAME</i>
NPIAS CODE	GENERAL AVIATION-REGIONAL	<i>SAME</i>
STATE ROLE	REGIONAL	<i>SAME</i>
CRITICAL DESIGN AIRCRAFT	S-2T AIRTANKER	<i>S-2T AIRTANKER / KING AIR 200</i>
AIRPORT ELEVATION (NAVD 88)	2120.7	<i>SAME</i>
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH	93° F (July)	<i>SAME</i>
AIRPORT REFERENCE POINT (ARP)	Latitude 38° 01' 49.500" N	<i>SAME</i>
COORDINATES (NAD 83)	Longitude 120° 24' 52.400" W	<i>SAME</i>
AIRPORT INSTRUMENT APPROACH PROCEDURES	RNAV (GPS) RUNWAY 35	<i>RNAV (GPS) RUNWAY 17 & 35</i>
AIRPORT NAVIGATIONAL AIDS	ROTATING BEACON (2)	<i>SAME</i>
	MIRL 17/35	<i>SAME</i>
	REIL 17/35	<i>SAME</i>
	VASI-2 17/35	<i>PAPI-2</i>
MISCELLANEOUS FACILITIES	LIGHTED WINDCONE	<i>SAME</i>
	AWOS-3	<i>SAME</i>
	TETRAHEDRON	<i>SAME</i>

RUNWAY END COORDINATES (NAD 83)			
	EXISTING	ULTIMATE	
RUNWAY 17	LATITUDE 38° 02' 12.028" N	<i>SAME</i>	
	LONGITUDE 120° 24' 41.844" W	<i>SAME</i>	
RUNWAY 17 DISPLACED THRESHOLD	LATITUDE 38° 02' 06.209" N	<i>SAME</i>	
	LONGITUDE 120° 24' 43.165" W	<i>SAME</i>	
RUNWAY 35	LATITUDE 38° 01' 26.568" N	<i>38° 01' 25.205" N</i>	
	LONGITUDE 120° 24' 52.159" W	<i>120° 24' 52.468" W</i>	
RUNWAY 35 DISPLACED THRESHOLD	LATITUDE 38° 01' 30.303" N	<i>SAME</i>	
	LONGITUDE 120° 24' 51.328" W	<i>SAME</i>	
RUNWAY 11 (TURF)	LATITUDE 38° 01' 58.860" N	<i>SAME</i>	
	LONGITUDE 120° 25' 13.862" W	<i>SAME</i>	
RUNWAY 29 (TURF)	LATITUDE 38° 01' 41.100" N	<i>38° 01' 42.123" N</i>	
	LONGITUDE 120° 24' 50.274" W	<i>120° 24' 51.632 W</i>	

RUNWAY DATA	RUNWAY 17 - 35		RUNWAY 18 - 36 ¹		RUNWAY 11 - 29		RUNWAY 12 - 30 ¹	
	EXISTING		ULTIMATE		EXISTING		ULTIMATE	
RUNWAY ROLE	PRIMARY		<i>SAME</i>		AUXILIARY		<i>SAME</i>	
RUNWAY DESIGN CODE (RDC)	B-II-5000		<i>SAME</i>		B-I(S)-VISUAL		<i>SAME</i>	
APPROACH REFERENCE CODE (APRC)	B / I(S) / 5000		<i>B / II / 5000</i>		NA		<i>SAME</i>	
DEPARTURE REFERENCE CODE (DPRC)	B/I(S)		<i>B / II</i>		NA		<i>SAME</i>	
CRITICAL DESIGN AIRCRAFT TYPE	S-2T AIRTANKER		<i>S-2T AIRTANKER / KING AIR 200</i>		BEECH BARON 58		<i>SAME</i>	
WINGSPAN OF DESIGN AIRCRAFT	72' 7"		<i>SAME</i>		37.8'		<i>SAME</i>	
MAX. CERTIFIED TAKEOFF WEIGHT OF DESIGN A/C	29,150 lbs		<i>SAME</i>		5,500 LBS		<i>SAME</i>	
APPROACH SPEED OF DESIGN AIRCRAFT	110 kts		<i>SAME</i>		96 KNOTS		<i>SAME</i>	
UNDERCARRIAGE WIDTH OF DESIGN AIRCRAFT	18'		<i>SAME</i>		8.9		<i>SAME</i>	
RUNWAY DIMENSIONS (L X W)	4,673' X 75'		<i>4,813' X 75'</i>		2,607' X 50'		<i>2,405' X 60'</i>	
RUNWAY TRUE BEARING (NGS SURVEY)	190° / 10°		<i>SAME</i>		134° / 314°		<i>SAME</i>	
RUNWAY WIND COVERAGE	99.85% (RDC B-II @ 13 KNOTS)		<i>SAME</i>		99.85% (RDC B-I @ 10.5 KNOTS)		<i>SAME</i>	
RUNWAY SHOULDERS	GRAVEL		<i>GRAVEL</i>		NONE		<i>SAME</i>	
RUNWAY MAXIMUM ELEVATION/HIGH POINT OF RUNWAY	2120.7		<i>SAME</i>		2100.6		<i>SAME</i>	
RUNWAY LOW POINT ELEVATION	2073.6		<i>SAME</i>		2077.6		<i>SAME</i>	
RUNWAY LIGHTING (PCL)	MIRL		<i>SAME</i>		NONE		<i>SAME</i>	
RUNWAY EFFECTIVE GRADIENT/MAXIMUM GRADIENT	1.6% / 2.0%		<i>SAME</i>		0.7% / 2%		<i>SAME</i>	
RUNWAY SURFACE MATERIAL	ASPHALT		<i>SAME</i>		TURF		<i>SAME</i>	
RUNWAY PAVEMENT SURFACE TREATMENT	NONE		<i>SAME</i>		NONE		<i>SAME</i>	
RUNWAY PAVEMENT STRENGTH (IN THOUSAND LBS.) ²	30(S)		<i>SAME</i>		NA		<i>SAME</i>	
RUNWAY CENTERLINE TO PARALLEL TAXIWAY CENTERLINE	150' (100 North End)		<i>240'</i>		150'		<i>SAME</i>	
LINE OF SIGHT REQUIREMENT MET	YES		<i>SAME</i>		YES		<i>SAME</i>	
TAXIWAY DESIGN GROUP (TDG)	TDG-2		<i>SAME</i>		TDG-1		<i>SAME</i>	
TAXIWAY LIGHTING	MITL (ENTRANCE/EXIT ONLY)		<i>MITL (ALL TAXIWAYS)</i>		NONE		<i>SAME</i>	
TAXIWAY MARKING	CENTERLINE		<i>SAME</i>		NA		<i>SAME</i>	
TAXIWAY SURFACE MATERIAL	ASPHALT		<i>SAME</i>		ASPHALT/TURF		<i>SAME</i>	
TAXIWAY CENTERLINE TO FIXED OR MOVABLE OBJECT	65.5'		<i>SAME</i>		44.5'		<i>SAME</i>	
TAXIWAY WINGTIP CLEARANCE	26'		<i>SAME</i>		20'		<i>SAME</i>	
TAXIWAY WIDTH / TAXIWAY SHOULDER WIDTH	30'-110' / 10'		<i>25' - 35' / 15'</i>		25'-35' / 'NA		<i>SAME</i>	
TAXIWAY AND TAXILANE SAFETY AREA WIDTH	79'		<i>SAME</i>		49'		<i>SAME</i>	
TAXIWAY AND TAXILANE OBJECT FREE AREA WIDTH	131'		<i>SAME</i>		89'		<i>SAME</i>	
TAXIWAY HOLDING POSITION MARKING/HOLDSIGN	125'		<i>200'</i>		NONE		<i>SAME</i>	
TAXIWAY EDGE SAFETY MARGIN	7.5'		<i>SAME</i>		5'		<i>SAME</i>	
VISUAL AND NAVIGATION AIDS	RUNWAY 17	RUNWAY 35	RUNWAY 17	RUNWAY 35	RUNWAY 11	RUNWAY 29	RUNWAY 11	RUNWAY 29
	VISUAL	NP-C	<i>NP-C</i>	<i>SAME</i>	AV	AV	<i>SAME</i>	<i>SAME</i>
	VISUAL	NON-PRECISION	<i>NON-PRECISION</i>	<i>SAME</i>	VISUAL	VISUAL	<i>SAME</i>	<i>SAME</i>
	20:1	34:1	<i>34:1</i>	<i>SAME</i>	20:1	20:1	<i>SAME</i>	<i>SAME</i>
	PRECISION OBSTACLE FREE ZONE (200' x 800')	NONE	<i>SAME</i>	<i>SAME</i>	NONE	NONE	<i>SAME</i>	<i>SAME</i>
	RUNWAY PROTECTION ZONES	500' X 1,000' X 700'	<i>500' X 1,000' X 700'</i>	<i>SAME</i>	250' X 1,000' X 450'	250' X 1,000' X 450'	<i>SAME</i>	<i>SAME</i>
	RUNWAY APPROACH VISIBILITY MINIMUMS (LOWEST)	VISUAL	<i>>= 1 MILE</i>	<i>SAME</i>	> 1 MILE	> 1 MILE	<i>SAME</i>	<i>SAME</i>
	RUNWAY MARKING	NON-PRECISION	<i>NON-PRECISION</i>	<i>SAME</i>	NONE	NONE	<i>SAME</i>	<i>SAME</i>
	RUNWAY BLAST PAD	205' X 75'	NONE	<i>SAME</i>	NONE	NONE	<i>SAME</i>	<i>SAME</i>
	RUNWAY DISPLACED THRESHOLD	598.0'	383.6'	<i>SAME</i>	524'	NONE	<i>SAME</i>	<i>SAME</i>
	RUNWAY DISPLACED THRESHOLD ELEVATION (NAVD88)	2112.0'	2073.5'	<i>SAME</i>	<i>SAME</i>	NONE	<i>SAME</i>	<i>SAME</i>
	RUNWAY THRESHOLD SITING SURFACE (TSS)	# 2 (20:1)	# 4 (20:1)	<i># 4 (20:1)</i>	<i>SAME</i>	# 2 (20:1)	<i>SAME</i>	<i>SAME</i>
	RUNWAY END ELEVATION (NAVD88)	2120.7'	2073.6'	<i>SAME</i>	2100.6'	2077.6'	<i>SAME</i>	<i>SAME</i>
	RUNWAY TOUCHDOWN ZONE ELEVATION	2120.7'	2104.7'	<i>SAME</i>	<i>SAME</i>	2100.6'	<i>SAME</i>	<i>SAME</i>
	RUNWAY SAFETY AREA WIDTH / DISTANCE BEYOND STOP END ³	150' / 300'	120' / 200'	<i>SAME</i>	<i>SAME</i>	120' / 240'	<i>SAME</i>	<i>SAME</i>
	NON-STANDARD RSA (BEYOND STOP END)	NONE	NONE	<i>SAME</i>	<i>SAME</i>	NONE	<i>SAME</i>	<i>SAME</i>
	OBJECT FREE AREA WIDTH / DISTANCE BEYOND STOP END	500' / 300'	500' / 300'	<i>SAME</i>	250' / 240'	250' / 240'	<i>SAME</i>	<i>SAME</i>
	NON-STANDARD OFA (BEYOND STOP END)	NONE	NONE	<i>SAME</i>	NONE	NONE	<i>SAME</i>	<i>SAME</i>
	OBSTACLE FREE ZONE WIDTH / DISTANCE BEYOND STOP END)	400' / 200'	400' / 200'	<i>SAME</i>	<i>SAME</i>	250' / 200'	<i>SAME</i>	<i>SAME</i>
	TYPE OF AERONAUTICAL SURVEY REQUIRED FOR APPROACH	NAV	NAV	<i>SAME</i>	<i>SAME</i>	VISUAL	<i>SAME</i>	<i>SAME</i>
	RUNWAY DEPARTURE SURFACE	40:1	40:1	<i>SAME</i>	<i>SAME</i>	NONE	<i>SAME</i>	<i>SAME</i>
	RUNWAY APPROACH LIGHTING	REILS	REILS	<i>SAME</i>	<i>SAME</i>	NONE	<i>SAME</i>	<i>SAME</i>
	AIRPORT INSTRUMENT APPROACH PROCEDURES	NONE	RNAV (GPS)	<i>RNAV (GPS)</i>	<i>SAME</i>	NONE	<i>SAME</i>	<i>SAME</i>
		VASI -2		<i>PAPI-2</i>		ROTATING BEACON (2)		<i>SAME</i>
		REILS		<i>SAME</i>		TETRAHEDRON		<i>SAME</i>
		GPS (35)		<i>SAME</i>				
		TETRAHEDRON		<i>SAME</i>				
		ROTATING BEACON(2)		<i>SAME</i>				

¹ A RECENT CALTRANS AIRPORT INSPECTION INDICATES THE MAGNETIC AZIMUTH FOR EACH RUNWAY WARRANTS A NEW DESIGNATION OF RUNWAY 18-36 AND RUNWAY 12-30. FURTHER COORDINATION WITH THE FAA WILL BE NEEDED TO IMPLEMENT THESE CHANGES.

² PAVEMENT STRENGTHS ARE EXPRESSED IN SINGLE (S), DUAL (D), DUAL TANDEM (2D) WHEEL LOAD CAPACITIES.

³ THE RSA BEYOND NORTH OF RWY 17/35 IS PLANNED TO BE IMPROVED TO MEET APPROPRIATE STANDARDS.

RUNWAY DECLARED DISTANCE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
	17-35	17-35	11-29	11-29
TAKE OFF RUN AVAILABLE (TORA)	4,673'	<i>4,813'</i>	2,607'	<i>2,405'</i>
TAKEOFF DISTANCE AVAILABLE (TODA)	4,673'	<i>4,813'</i>	2,607'	<i>2,405'</i>
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	4,673'	<i>4,813'</i>	2,607'	<i>2,405'</i>
LANDING DISTANCE AVAILABLE (LDA)	4,075' / 4,289'	<i>4,215' / 4,289'</i>	2,607'	<i>2,405'</i>

MODIFICATIONS TO FAA AIRPORT DESIGN STANDARDS			
STANDARD MODIFIED	DESCRIPTION	AIRSPACE CASE NUMBER	APPROVAL DATE
<i>NONE</i>			

APPROVED BY:  DATE *8/7/18*

Mc-Benedict Sluth
Airports Manager

		ALP Revision	01/20/2006	Stantec
		ALP Update per Master Plan	10/14/1997	Shurt Moon Associates
No.	REVISIONS	DATE	BY	APP'D
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 OF 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 THE APPROPRIATE PUBLIC LAWS				

FAA APPROVAL STAMP

COLUMBIA AIRPORT

AIRPORT DATA SHEET

TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: *Matt Quick*

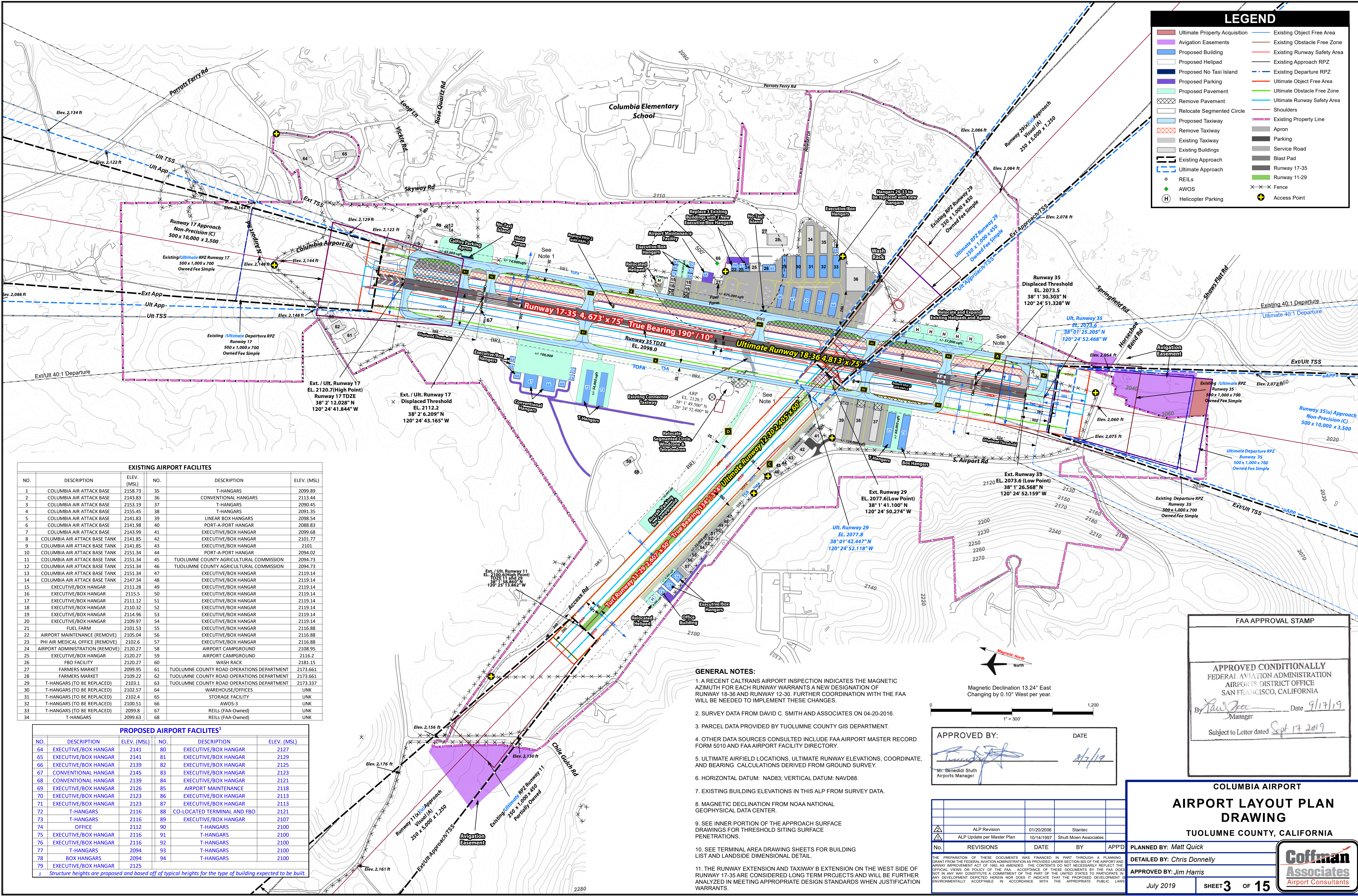
DETAILED BY: *Chris Donnelly*

APPROVED BY: *Jim Harris*

July 2019

SHEET **2** OF **15**





LEGEND

Ultimate Property Acquisition

Proposed Building

Proposed Helipad

Proposed No Taxi Island

Proposed Parking

Proposed Pavement

Remove Pavement

Relocate Segmented Circle

Proposed Taxiway

Remove Taxiway

Existing Taxiway

Existing Buildings

Existing Approach

Ultimate Approach

REILs

AWOS

Helicopter Parking

Existing Object Free Area

Existing Obstacle Free Zone

Existing Runway Safety Area

Existing Approach RPZ

Existing Departure RPZ

Ultimate Object Free Area

Ultimate Obstacle Free Zone

Ultimate Runway Safety Area

Shoulders

Existing Property Line

Apron

Parking

Service Road

Blast Pad

Runway 17-35

Runway 11-29

Fence

Access Point

EXISTING AIRPORT FACILITIES				
NO.	DESCRIPTION	ELEV. (MSL)	NO.	DESCRIPTION
1	COLUMBIA AIR ATTACK BASE	2158.73	35	T-HANGARS
2	COLUMBIA AIR ATTACK BASE	2143.83	36	CONVENTIONAL HANGARS
3	COLUMBIA AIR ATTACK BASE	2153.19	37	T-HANGARS
4	COLUMBIA AIR ATTACK BASE	2155.45	38	T-HANGARS
5	COLUMBIA AIR ATTACK BASE	2141.83	39	LINEAR BOX HANGARS
6	COLUMBIA AIR ATTACK BASE	2141.98	40	PORT-A-PORT HANGAR
7	COLUMBIA AIR ATTACK BASE	2143.99	41	EXECUTIVE/BOX HANGAR
8	COLUMBIA AIR ATTACK BASE TANK	2141.85	42	EXECUTIVE/BOX HANGAR
9	COLUMBIA AIR ATTACK BASE TANK	2141.85	43	EXECUTIVE/BOX HANGAR
10	COLUMBIA AIR ATTACK BASE TANK	2151.34	44	PORT-A-PORT HANGAR
11	COLUMBIA AIR ATTACK BASE TANK	2151.34	45	TUOLUMNE COUNTY AGRICULTURAL COMMISSION
12	COLUMBIA AIR ATTACK BASE TANK	2151.34	46	TUOLUMNE COUNTY AGRICULTURAL COMMISSION
13	COLUMBIA AIR ATTACK BASE TANK	2151.34	47	EXECUTIVE/BOX HANGAR
14	COLUMBIA AIR ATTACK BASE TANK	2147.34	48	EXECUTIVE/BOX HANGAR
15	EXECUTIVE/BOX HANGAR	2111.28	49	EXECUTIVE/BOX HANGAR
16	EXECUTIVE/BOX HANGAR	2115.5	50	EXECUTIVE/BOX HANGAR
17	EXECUTIVE/BOX HANGAR	2111.12	51	EXECUTIVE/BOX HANGAR
18	EXECUTIVE/BOX HANGAR	2110.32	52	EXECUTIVE/BOX HANGAR
19	EXECUTIVE/BOX HANGAR	2114.96	53	EXECUTIVE/BOX HANGAR
20	EXECUTIVE/BOX HANGAR	2109.97	54	EXECUTIVE/BOX HANGAR
21	FUEL FARM	2101.53	55	EXECUTIVE/BOX HANGAR
22	AIRPORT MAINTENANCE (REMOVE)	2105.04	56	EXECUTIVE/BOX HANGAR
23	PHI AIR MEDICAL OFFICE (REMOVE)	2102.6	57	EXECUTIVE/BOX HANGAR
24	AIRPORT ADMINISTRATION (REMOVE)	2102.27	58	AIRPORT CAMPGROUND
25	EXECUTIVE/BOX HANGAR	2120.27	59	AIRPORT CAMPGROUND
26	FBO FACILITY	2120.27	60	WASH RACK
27	FARMERS MARKET	2099.95	61	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT
28	FARMERS MARKET	2109.22	62	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT
29	T-HANGARS (TO BE REPLACED)	2103.1	63	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT
30	T-HANGARS (TO BE REPLACED)	2102.57	64	WAREHOUSE/OFFICES
31	T-HANGARS (TO BE REPLACED)	2102.4	65	STORAGE FACILITY
32	T-HANGARS (TO BE REPLACED)	2100.51	66	AWOS-3
33	T-HANGARS (TO BE REPLACED)	2099.8	67	REILs (FAA-Owned)
34	T-HANGARS	2099.63	68	REILs (FAA-Owned)

PROPOSED AIRPORT FACILITIES ¹				
NO.	DESCRIPTION	ELEV. (MSL)	NO.	DESCRIPTION
64	EXECUTIVE/BOX HANGAR	2141	80	EXECUTIVE/BOX HANGAR
65	EXECUTIVE/BOX HANGAR	2141	81	EXECUTIVE/BOX HANGAR
66	EXECUTIVE/BOX HANGAR	2139	82	EXECUTIVE/BOX HANGAR
67	CONVENTIONAL HANGAR	2145	83	EXECUTIVE/BOX HANGAR
68	CONVENTIONAL HANGAR	2139	84	EXECUTIVE/BOX HANGAR
69	EXECUTIVE/BOX HANGAR	2126	85	AIRPORT MAINTENANCE
70	EXECUTIVE/BOX HANGAR	2123	86	EXECUTIVE/BOX HANGAR
71	EXECUTIVE/BOX HANGAR	2123	87	EXECUTIVE/BOX HANGAR
72	T-HANGARS	2116	88	CO-LOCATED TERMINAL AND FBO
73	T-HANGARS	2116	89	EXECUTIVE/BOX HANGAR
74	OFFICE	2112	90	T-HANGARS
75	EXECUTIVE/BOX HANGAR	2116	91	T-HANGARS
76	EXECUTIVE/BOX HANGAR	2116	92	T-HANGARS
77	T-HANGARS	2094	93	T-HANGARS
78	BOX HANGARS	2094	94	T-HANGARS
79	EXECUTIVE/BOX HANGAR	2125		

¹ Structure heights are proposed and based off of typical heights for the type of building expected to be built.

- GENERAL NOTES:
1. A RECENT CALTRANS AIRPORT INSPECTION INDICATES THE MAGNETIC AZIMUTH FOR EACH RUNWAY WARRANTS A NEW DESIGNATION OF RUNWAY 18-36 AND RUNWAY 12-30. FURTHER COORDINATION WITH THE FAA WILL BE NEEDED TO IMPLEMENT THESE CHANGES.

2. SURVEY DATA FROM DAVID C. SMITH AND ASSOCIATES ON 04-20-2016.

3. PARCEL DATA PROVIDED BY TUOLUMNE COUNTY GIS DEPARTMENT.

4. OTHER DATA SOURCES CONSULTED INCLUDE FAA AIRPORT MASTER RECORD FORM 5010 AND FAA AIRPORT FACILITY DIRECTORY.

5. ULTIMATE AIRFIELD LOCATIONS, ULTIMATE RUNWAY ELEVATIONS, COORDINATE, AND BEARING CALCULATIONS DERIVED FROM GROUND SURVEY.

6. HORIZONTAL DATUM: NAD83; VERTICAL DATUM: NAVD88.

7. EXISTING BUILDING ELEVATIONS IN THIS ALP FROM SURVEY DATA.

8. MAGNETIC DECLINATION FROM NOAA NATIONAL GEOPHYSICAL DATA CENTER.

9. SEE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR THRESHOLD SITING SURFACE PENETRATIONS.

10. SEE TERMINAL AREA DRAWING SHEETS FOR BUILDING LIST AND LANDSIDE DIMENSIONAL DETAIL.

11. THE RUNWAY EXTENSION AND TAXIWAY B EXTENSION ON THE WEST SIDE OF RUNWAY 17-35 ARE CONSIDERED LONG TERM PROJECTS AND WILL BE FURTHER ANALYZED IN MEETING APPROPRIATE DESIGN STANDARDS WHEN JUSTIFICATION WARRANTS.

APPROVED BY:

Mr. Benedict Stuth
Airports Manager

DATE

8/2/19

0

1" = 300'

1,200

Magnetic North

North

Magnetic Declination 13.24° East
Changing by 0.10° West per year.

FAA APPROVAL STAMP

APPROVED CONDITIONALLY
FEDERAL AVIATION ADMINISTRATION
AIRPORTS DISTRICT OFFICE
SAN FRANCISCO, CALIFORNIA

By *Paul J. ...* Date *9/17/19*
Manager

Subject to Letter dated *Sept 17, 2019*

COLUMBIA AIRPORT

AIRPORT LAYOUT PLAN
DRAWING

TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: Matt Quick

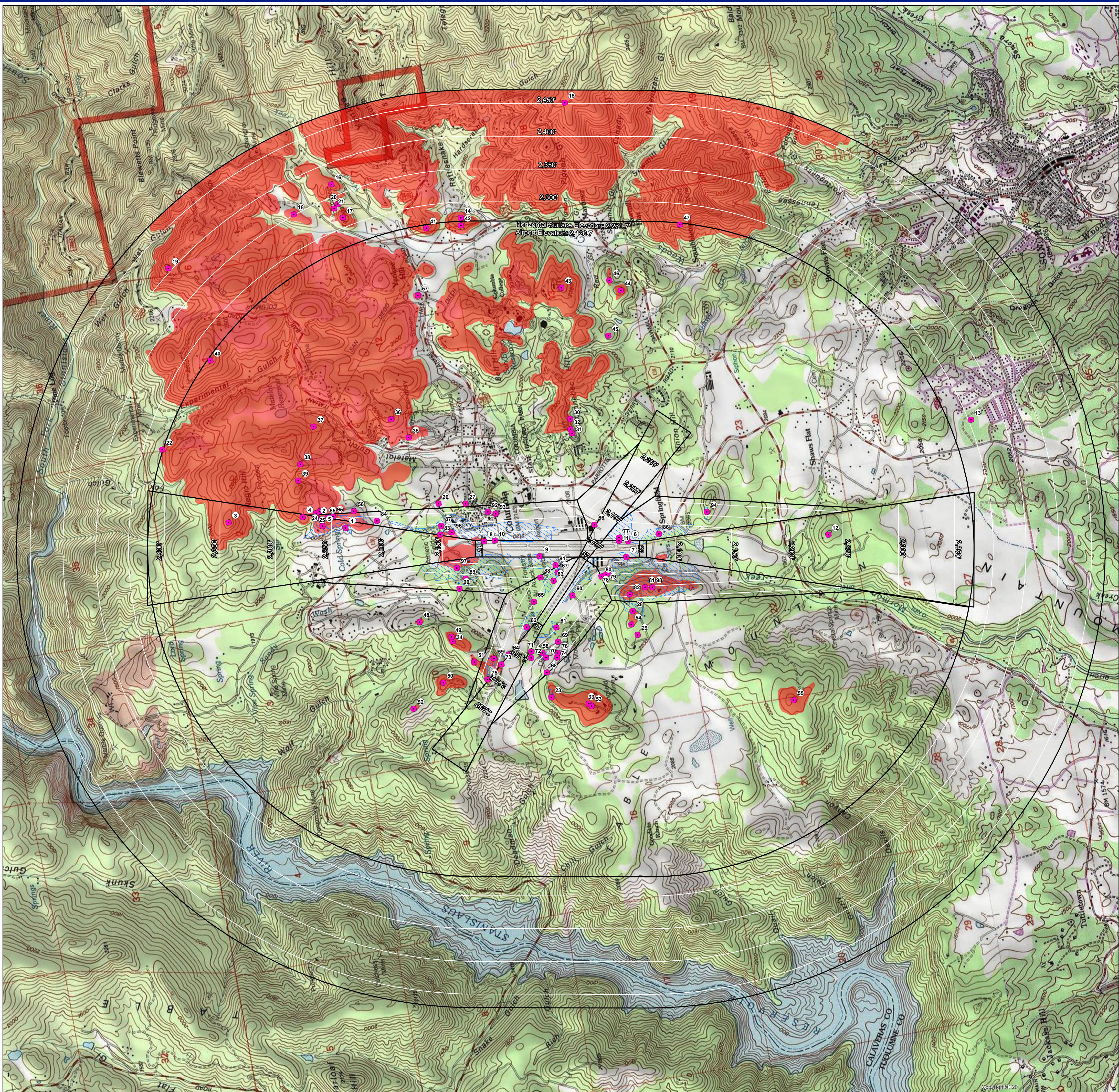
DETAILED BY: Chris Donnelly

APPROVED BY: Jim Harris

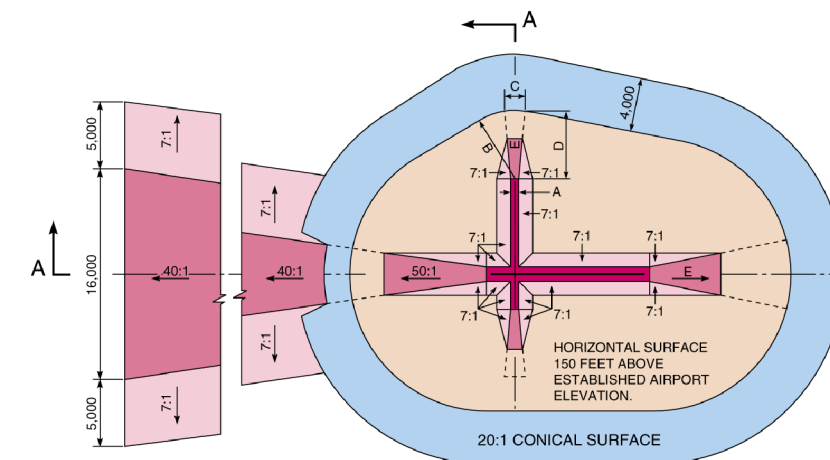
July 2019

SHEET 3 OF 15

Coffman Associates
Airport Consultants

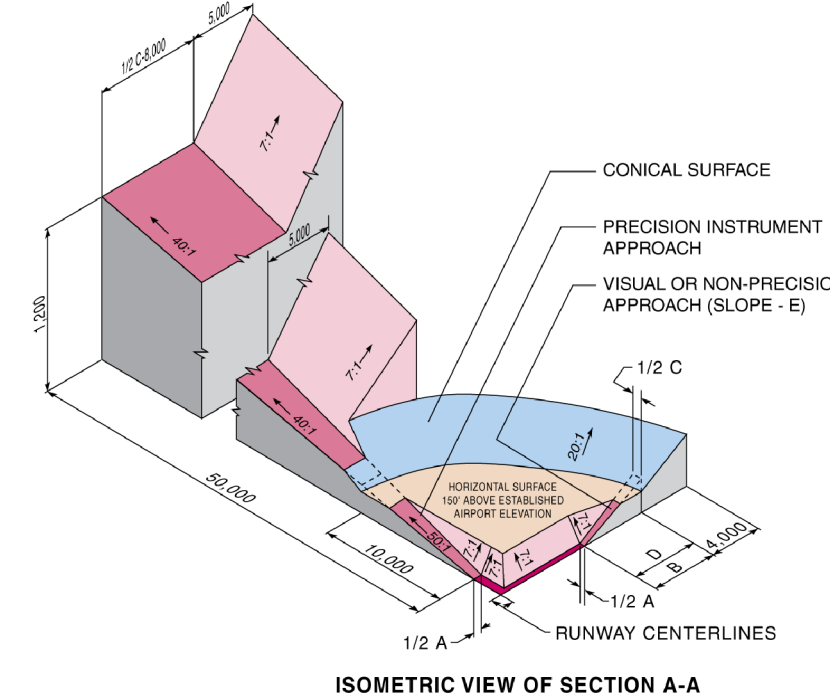


OBSTRUCTION TABLE					
No.	Feature	Elevation	Surface Obstructed	Penetration Value	Remediation
1	Vegetation	2,357.83	Runway 17 Approach	120.48	Remove
2	Vegetation	2,361.73	Runway 17 Approach	98.68	Remove
3	Terrain	2,573.19	Runway 17 Approach	230.95	N/A
4	Terrain	2,344.48	Runway 17 Approach	68.71	N/A
5	Terrain	2,300.23	Runway 17 Approach	42.28	N/A
6	Vegetation	2,105.51	17/35 Primary	28.48	Remove
7	Vegetation	2,098.24	17/35 Primary	20.62	Remove
8	Vegetation	2,176.58	17/35 Primary	56.42	Remove
9	Vegetation	2,134.05	17/35 Primary	30.56	Remove
10	Vegetation	2,165.62	17/35 Primary	48.70	Remove
11	Boulder	2,081.64	17/35 Primary	1.87	Remove
12	Tower	2,251.00	Runway 35 Approach	13.94	Light
13	Tower	2,453.00	Conical	149.07	Light
14	Terrain	2,326.50	Conical	50.64	N/A
15	Terrain	3,063.34	Conical	612.10	N/A
16	Terrain	2,424.29	Conical	55.97	N/A
17	Terrain	2,406.14	Conical	91.53	N/A
18	Terrain	2,393.24	Conical	41.98	N/A
19	Terrain	2,737.49	Conical	332.56	N/A
20	Terrain	2,342.61	Conical	5.59	N/A
21	Terrain	2,339.37	Conical	6.69	N/A
22	Terrain	2,276.76	Conical	5.07	N/A
23	Pole	2,320.08	Horizontal	49.38	Light
24	Vegetation	2,385.79	Horizontal	115.10	Remove
25	Vegetation	2,398.53	Horizontal	127.83	Remove
26	Vegetation	2,276.73	Horizontal	6.03	Remove
27	Vegetation	2,278.90	Horizontal	8.20	Remove
28	Vegetation	2,315.68	Horizontal	44.98	Remove
29	Building	2,275.00	Horizontal	4.30	Light
30	Pole	2,315.00	Horizontal	44.30	Light
31	Pole	2,290.00	Horizontal	19.30	Light
32	Tank	2,295.00	Horizontal	24.30	Light
33	Building	2,369.00	Horizontal	98.30	Light
34	Building	2,340.00	Horizontal	69.30	Light
35	Building	2,306.00	Horizontal	35.30	Light
36	Building	2,463.00	Horizontal	192.30	Light
37	Building	2,486.00	Horizontal	215.30	Light
38	Pole	2,594.00	Horizontal	323.30	Light
39	Building	2,537.00	Horizontal	266.30	Light
40	Terrain	2,699.37	Horizontal	428.67	N/A
41	Terrain	2,361.46	Horizontal	90.76	N/A
42	Terrain	2,332.31	Horizontal	61.61	N/A
43	Terrain	2,430.42	Horizontal	159.72	N/A
44	Terrain	2,309.67	Horizontal	38.97	N/A
45	Terrain	2,271.85	Horizontal	1.15	N/A
46	Terrain	2,278.66	Horizontal	7.96	N/A
47	Terrain	2,505.73	Horizontal	235.03	N/A
48	Terrain	2,277.30	Horizontal	6.60	N/A
49	Terrain	2,314.79	Horizontal	44.09	N/A
50	Terrain	2,325.44	Horizontal	54.74	N/A
51	Terrain	2,283.11	Horizontal	12.41	N/A
52	Terrain	2,277.35	Horizontal	6.65	N/A
53	Terrain	2,347.32	Horizontal	76.62	N/A
54	Terrain	2,275.78	Horizontal	5.08	N/A
55	Terrain	2,311.94	Horizontal	41.24	N/A
56	Terrain	2,275.04	Horizontal	4.34	N/A
57	Terrain	2,290.35	Horizontal	19.65	N/A
58	Building	2,200.23	Transitional	16.20	Light
59	Pole	2,265.97	Transitional	47.25	Light
60	Vegetation	2,186.47	Transitional	64.53	Remove
61	Vegetation	2,195.64	Transitional	45.76	Remove
62	Vegetation	2,177.70	Transitional	48.36	Remove
63	Vegetation	2,151.67	Transitional	91.36	Remove
64	Vegetation	2,199.63	Transitional	37.25	Remove
65	Vegetation	2,184.10	Transitional	36.25	Remove
66	Vegetation	2,131.86	Transitional	0.18	Remove
67	Vegetation	2,141.57	Transitional	110.47	Remove
68	Vegetation	2,262.43	Transitional	3.21	Remove
69	Vegetation	2,251.48	Transitional	57.85	Remove
70	Vegetation	2,223.56	Transitional	14.85	Remove
71	Vegetation	2,148.98	Transitional	2.40	Remove
72	Vegetation	2,167.24	Transitional	1.05	Remove
73	Vegetation	2,195.36	Transitional	16.33	Remove
74	Building	2,256.00	Transitional	13.26	Light
75	Terrain	2,224.71	Transitional	10.07	N/A
76	Terrain	2,230.62	Transitional	1.94	N/A
77	Vegetation	2,116.34	Transitional	89.87	Remove
78	Vegetation	2,168.88	Transitional	18.26	Remove
79	Vegetation	2,167.15	Transitional	12.04	Remove
80	Vegetation	2,186.57	Transitional	28.30	Remove
81	Vegetation	2,316.00	Transitional	112.09	Remove
82	Vegetation	2,323.20	Transitional	82.80	Remove
83	Vegetation	2,274.81	Transitional	122.61	Remove
84	Vegetation	2,259.04	Transitional	30.28	Remove
85	Vegetation	2,370.78	Transitional	115.33	Remove
86	Vegetation	2,180.81	Transitional	73.22	Remove
87	Vegetation	2,286.77	Transitional	95.74	Remove
88	Vegetation	2,134.47	Transitional	24.53	Remove
89	Vegetation	2,310.76	Transitional	92.42	Remove
90	Vegetation	2,267.11	Transitional	3.49	Remove
91	Vegetation	2,169.13	Transitional	142.79	Remove
92	Vegetation	2,244.30	Transitional	4.64	Remove
93	Vegetation	2,233.64	Transitional	3.03	Remove
94	Vegetation	2,265.68	Transitional	50.63	Remove
95	Terrain	2,313.00	Transitional	54.35	N/A
96	Terrain	2,174.92	Transitional	14.87	N/A
97	Terrain	2,190.00	Transitional	15.80	N/A
98	Terrain	2,264.63	Transitional	59.91	N/A

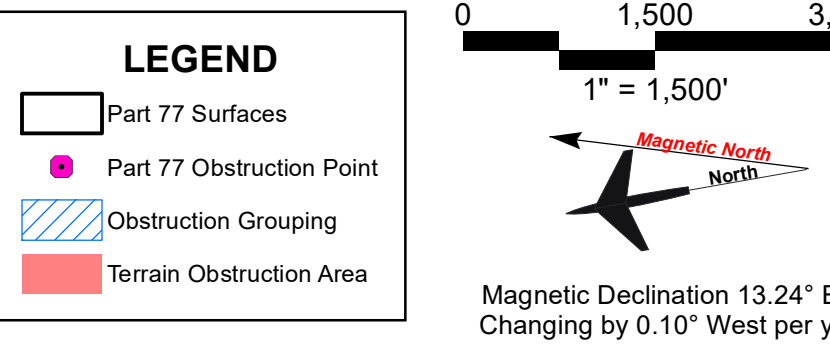


DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY		PRECISION INSTRUMENT RUNWAY	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
C	APPROACH SURFACE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

A - UTILITY RUNWAYS
B - RUNWAYS LARGER THAN UTILITY
C - VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D - VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
E - PRECISION INSTRUMENT APPROACH SLOPE IS 30:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



SOURCE: 14 CFR Part 77, Section 77.25, Civil Airport Imaginary Surfaces.



- GENERAL NOTES
- In areas where obstructions are grouped, the object with the highest elevation AND the object that has the greatest Part 77 Surface penetration are shown as representative of that grouping (in some cases one object is both).
 - Peak terrain penetrations included for terrain obstruction areas.
 - Profile view shown on Inner Portion of the Approach Surface Drawings/Departure Surface Drawings.

Survey Date: 4/20/2016

No.	REVISIONS	DATE	BY	APP'D
1	ALP Revision	01/20/2006	Stantec	
2	ALP Update per Master Plan	10/14/1997	Shutt Moen Associates	

THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A PLANNING GRANT FROM THE FEDERAL AVIATION ADMINISTRATION AS PROVIDED UNDER SECTION 605 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 CONSTITUTE A COMMITMENT OF THE UNITED STATES. A PARTICIPANT IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH THE APPROPRIATE PUBLIC LAWS.

COLUMBIA AIRPORT

AIRPORT AIRSPACE DRAWING

TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: Matt Quick

DETAILED BY: Chris Donnelly

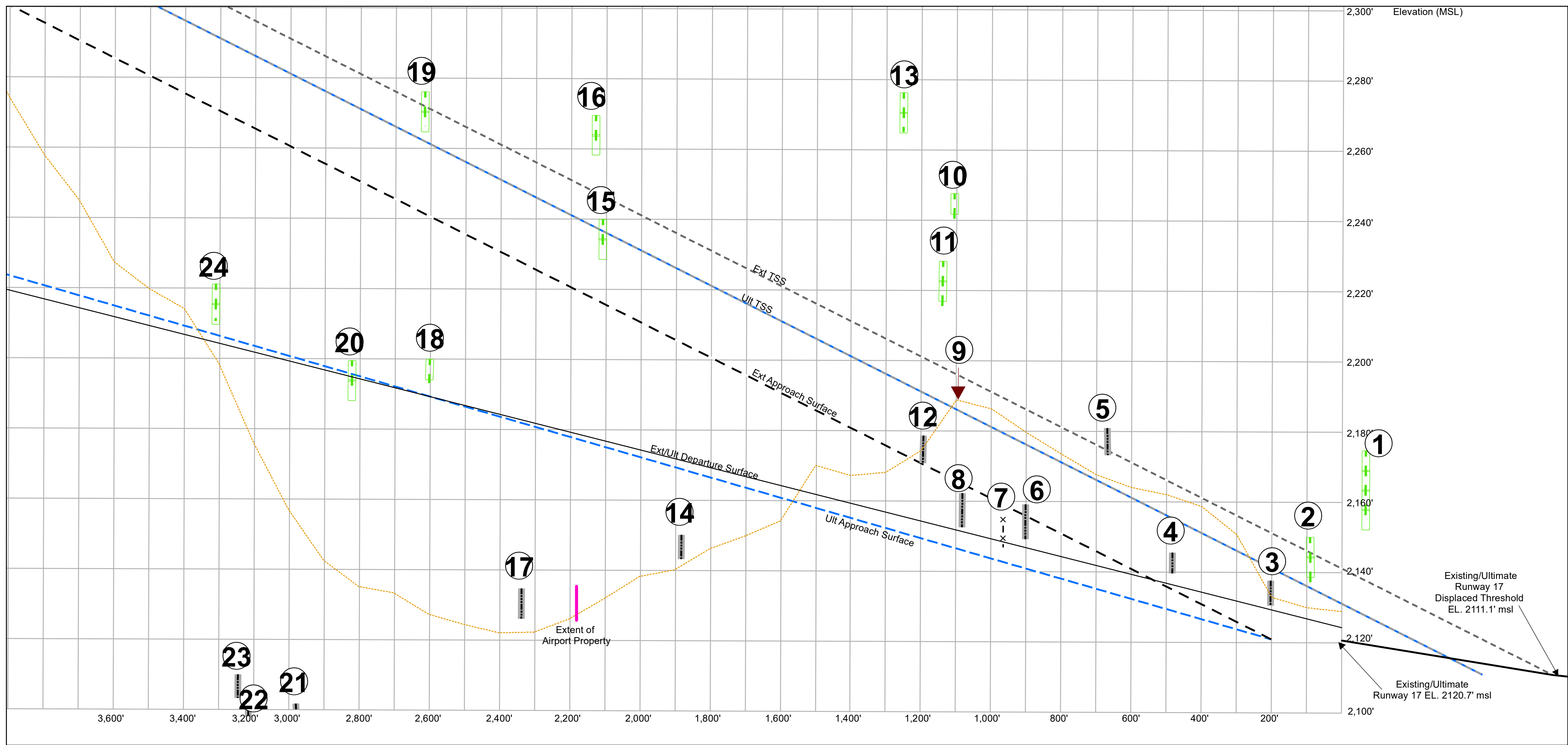
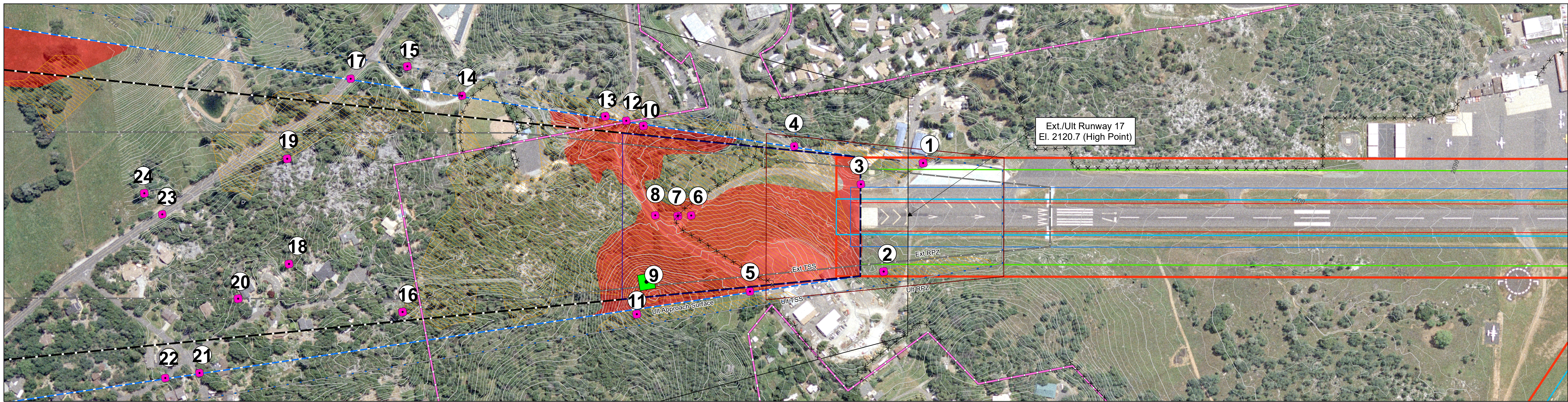
APPROVED BY: Jim Harris

July 2019

SHEET 4 OF 15

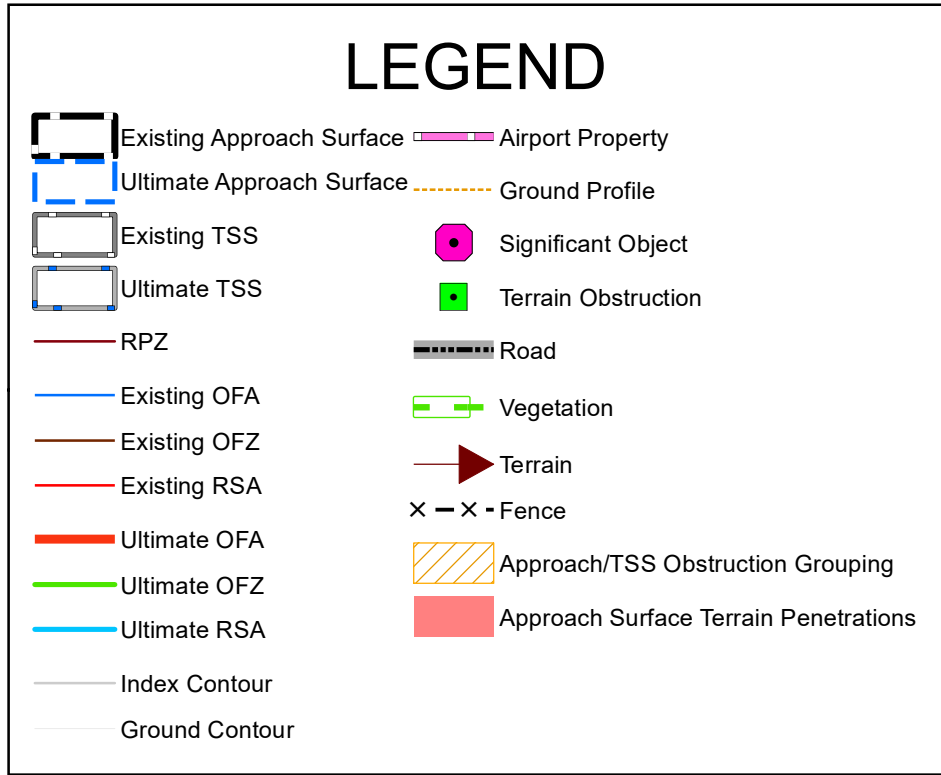
Coffman Associates

Airport Consultants

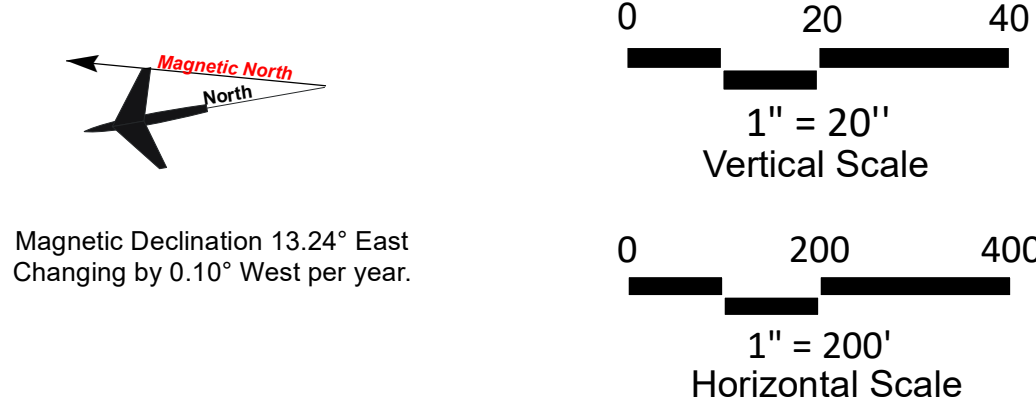


Num.		Object	Elevation	TSS or Approach Obstruction	OBSTRUCTION TABLE				Proposed Remediation
					Existing TSS Penetration/ Clearance	Existing Approach Penetration/ Clearance	Ultimate TSS Penetration/ Clearance	Ultimate Approach Penetration/ Clearance	
1		Vegetation	2176.58'	Yes	N/A	N/A	48.73'	N/A	Remove
2		Vegetation	2151.50'	Yes	N/A	N/A	15.40'	N/A	Remove
3		Columbia Airport Road	2137.00'	Yes	-13.9'	16.27'	-3.9'	16.27'	N/A
4		Columbia Airport Road	2144.53'	Yes	N/A	N/A	-10.46'	15.60'	N/A
5		N. Airport Rd.	2181.00'	Yes	N/A	N/A	16.78'	46.64'	N/A
6		Columbia Airport Road	2159.00'	Yes	-27.61'	-2.69	-17.61'	17.35'	N/A
7		Fence	2156.00'	Yes	-30.61'	-3.19	-20.61'	14.35'	N/A
8		N. Airport Rd.	2163.56'	Yes	-30.64'	-0.21'	-20.64'	17.45'	N/A
9		Terrain	2188.00'	Yes	N/A	25.10'	2.54'	41.75'	N/A
10		Vegetation	2247.02'	Yes	N/A	N/A	60.34'	99.45'	Remove
11		Vegetation	2227.68'	Yes	N/A	N/A	39.67'	N/A	Remove
12		N. Airport Rd.	2179.37'	Yes	-20.94'	N/A	-10.94'	29.66'	N/A
13		Vegetation	2274.80'	Yes	N/A	N/A	80.07'	N/A	Remove
14		Access Road	2151.1'	No	N/A	N/A	-73.76'	-18.93'	N/A
15		Vegetation	2240.93'	Yes	N/A	N/A	4.56'	N/A	Remove
16		Vegetation	2269.82'	Yes	N/A	53.27'	32.54'	92.48'	Remove
17		Parrots Ferry Rd.	2136.69'	No	N/A	N/A	-111.63'	-47.14'	N/A
18		Vegetation	2200.00'	Yes	-71.08'	-40.40'	-61.08'	8.67'	Remove
19		Vegetation	2275.21'	Yes	3.61'	34.06'	13.61'	83.57'	Remove
20		Vegetation	2199.12'	Yes	-52.88'	-52.03'	-42.88'	1.43'	Remove
21		Valparaiso Rd.	2100.38'	No	N/A	N/A	-179.60'	-102.07'	N/A
22		Cardinella Rd.	2096.56'	No	N/A	N/A	-190.61'	-110.12'	N/A
23		Parrots Ferry Rd.	2111.00'	No	-186.89'	-156.25'	-176.89'	-96.11'	N/A
24		Vegetation	2222.27'	Yes	-79.41'	-49.23'	-69.41'	12.94'	Remove

Survey Date: 4/20/2016



1. In areas where obstructions are grouped, the object with the highest elevation is shown as representative of that grouping.
2. Peak terrain penetrations included where applicable.
3. Road elevations include additional height adjustment.
4. Ground profile line represents the highest elevation along the width of the Ultimate Approach Surface.



No.	REVISIONS	DATE	BY	APP'D
1	ALP Revision	01/20/2006	Stantec	
2	ALP Update per Master Plan	10/14/1997	Shutt Moen Associates	

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 OF THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT EXPEDITED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH THE APPROPRIATE PUBLIC LAWS.

**COLUMBIA AIRPORT
INNER PORTION OF THE
APPROACH SURFACE
RUNWAY 17**

TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: **Matt Quick**

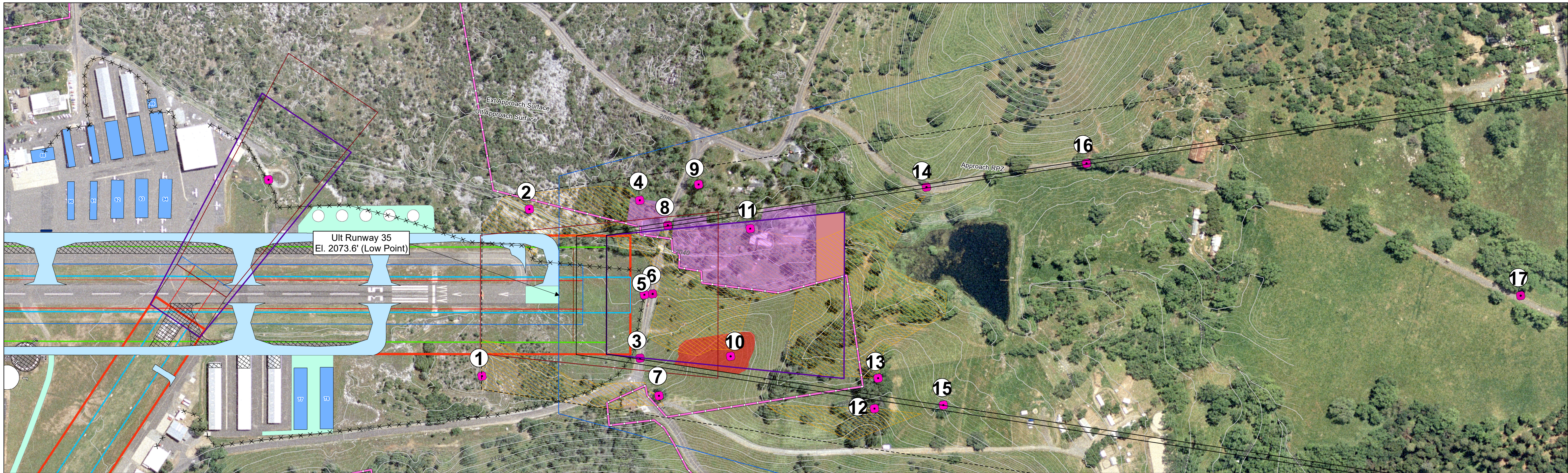
DETAILED BY: **Chris Donnelly**

APPROVED BY: **Jim Harris**

July 2019

SHEET **5** OF **15**

**Goffman
Associates**
Airport Consultants



OBSTRUCTION TABLE						
Num.	Object	Elevation	TSS or Approach Obstruction	TSS Penetration/ Clearance	Ult. Approach Penetration/ Clearance	Proposed Remediation
1	Vegetation	2110.11'	Yes	36.75'	N/A	Remove
2	Vegetation	2115.34'	Yes	32.08'	N/A	Remove
3	Horseshoe Bend Rd.	2089.59'	Yes	-17.05'	11.79'	N/A
4	Vegetation	2131.13'	Yes	24.64'	N/A	Remove
5	Fence	2066.00'	No	-43.22'	-13.32'	N/A
6	Horseshoe Bend Rd.	2075.00'	No	-34.22'	-4.32'	N/A
7	Vegetation	2141.25'	Yes	30.64'	N/A	Remove
8	Horseshoe Bend Rd.	2067.4'	No	-44.99'	-13.78'	N/A
9	Vegetation	2180.81'	Yes	61.96'	N/A	Remove
10	Terrain	2096	Yes	-26.4'	7.02'	N/A
11	Vegetation	2138.48'	Yes	8.76'	47.10'	Remove
12	Vegetation	2157.28'	Yes	1.34'	N/A	Remove
13	Vegetation	2143.26'	Yes	-13.45'	36.01'	Remove
14	Springfield Rd.	2087.00'	No	-79.77'	-26.17'	N/A
15	Vegetation	2142.04'	Yes	-28.39'	26.71'	Remove
16	Springfield Rd.	2062.73'	No	-124.17'	-70.25'	N/A
17	*Springfield Rd.	2007.15'	No	-284.68'	-179.59'	N/A

Survey Date: 4/20/2016

*Location not visible in profile view

LEGEND

Approach Surface

TSS

Existing RPZ

Existing OFA

Existing OFZ

Existing RSA

Ultimate OFA

Ultimate OFZ

Ultimate RSA

Ultimate RPZ

Index Contour

Ground Contour

Airport Property

Ground Profile

Significant Object

Road

Vegetation

Terrain

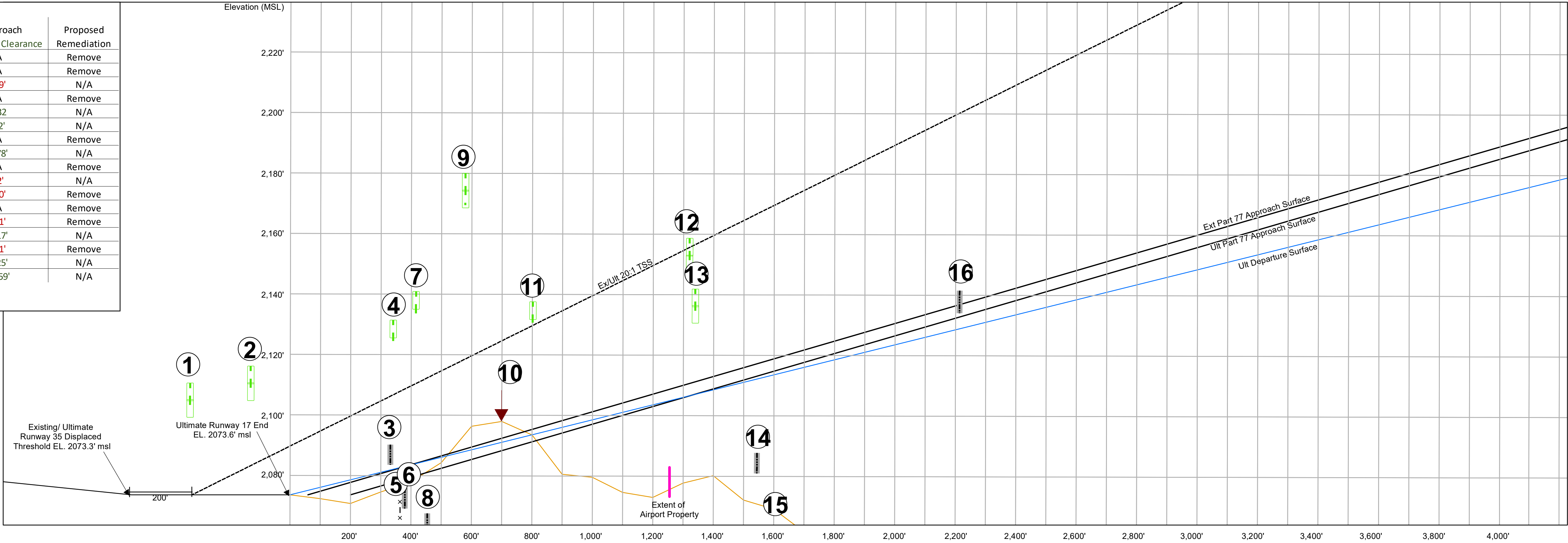
Fence

Approach/TSS Obstruction Grouping

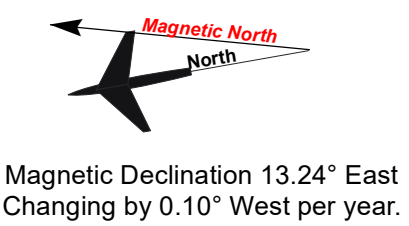
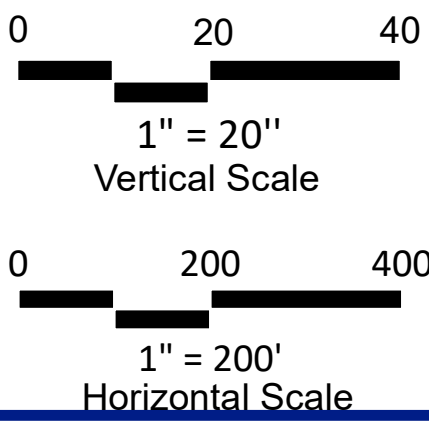
Approach/Terrain Obstructions

Aviation Easements

Ultimate Property Acquisition



Distance From Runway End



1. In areas where obstructions are grouped, the object with the highest elevation AND the object that has the greatest Approach Surface penetration are shown as representative of that grouping.
2. Peak terrain penetrations included where applicable.
3. Road elevations include additional height adjustment.
4. Ground profile line represents the highest elevation along the width of the Approach Surface.

REVISIONS		DATE	BY	APP'D
ALP Update per Master Plan		10/14/1997	Shutt Moen Associates	
ALP Revision		01/20/2006	Stantec	

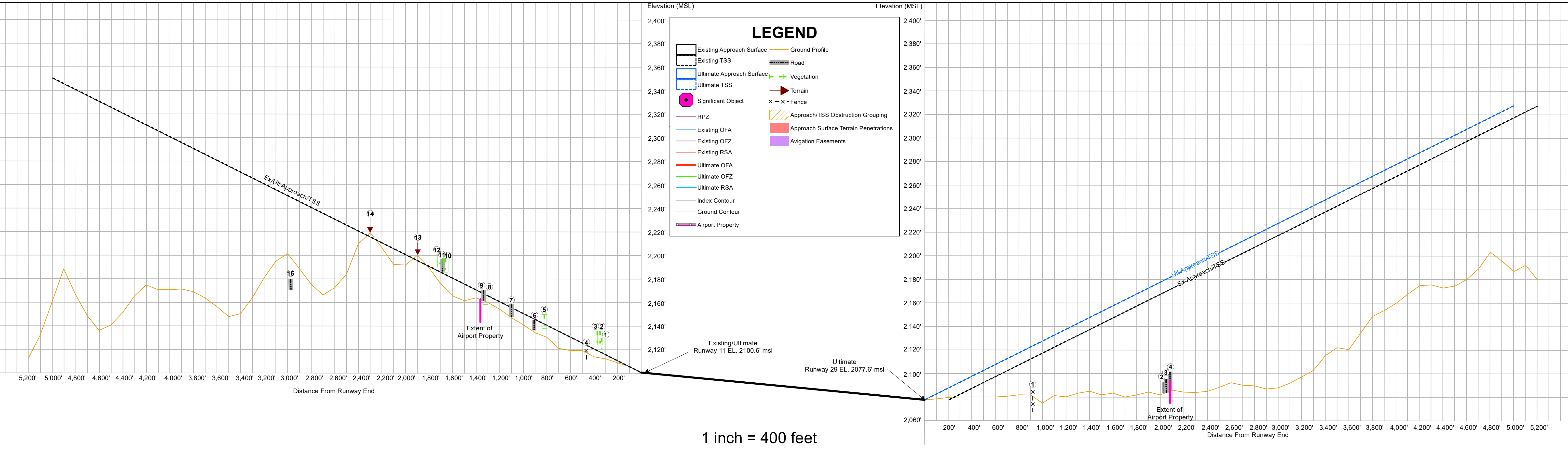
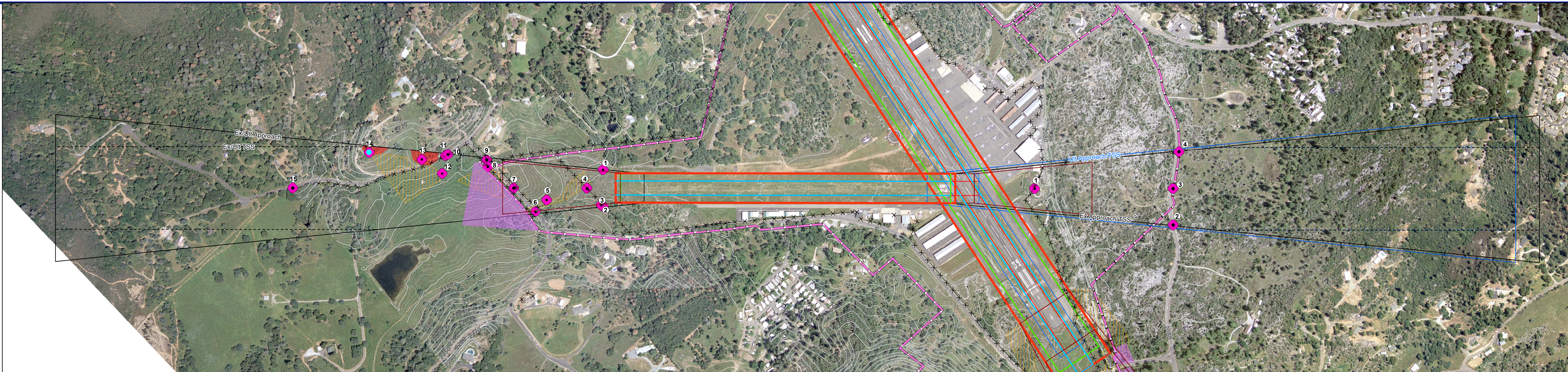
THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A PLANNING GRANT FROM THE FEDERAL AVIATION ADMINISTRATION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982, AS AMENDED. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT OF 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 THE APPROPRIATE PUBLIC LAWS

COLUMBIA AIRPORT
INNER PORTION OF THE
APPROACH SURFACE
RUNWAY 35
TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: Matt Quick
DETAILED BY: Chris Donnelly
APPROVED BY: Jim Harris
July 2019

SHEET 6 OF 15

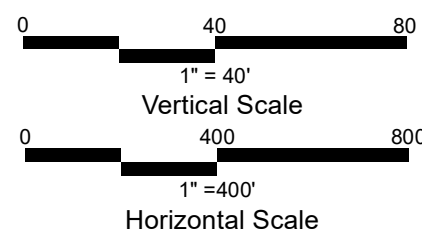
Coffman Associates
Airport Consultants



Runway 11 Approach/TSS					
Num.	Object	Elevation	TSS or Approach Obstruction	TSS Penetration/ Clearance	Approach Penetration/ Clearance
1	Vegetation	2129.74'	Yes	11.58'	11.58'
2	Vegetation	2136.61'	Yes	18.60'	18.60'
3	Vegetation	2136.10'	Yes	17.17'	17.17'
4	Fence	2119.00'	No	-4.70'	-4.70'
4	Vegetation	2149.31'	Yes	7.19'	7.19'
5	Chile Gulch Rd.	2145.00'	Yes	-1.69'	-1.69'
6	Chile Gulch Rd.	2158.91'	Yes	2.76'	2.76'
7	Vegetation	2170.56'	Yes	3.50'	3.50'
8	Chile Gulch Rd.	2171.00'	Yes	3.39'	3.39'
9	Vegetation	2195.36'	Yes	11.26'	11.26'
10	N. Airport Rd.	2190.15'	Yes	4.98'	4.98'
11	Vegetation	2202.72'	Yes	16.19'	16.19'
12	Terrain	2199.76'	Yes	3.86'	3.86'
13	Terrain	2218.73'	Yes	2.75'	2.75'
14	N. Airport Rd.	2180.64'	No	-69.31'	-69.31'

Runway 29 Approach/TSS					
Num.	Object	Elevation	TSS or Approach Obstruction	TSS Penetration/ Clearance	Approach Penetration/ Clearance
1	Fence	2083.00'	No	-98.79'	-98.79'
2	Springfield Rd.	2096.92'	No	-84.87'	-84.87'
3	Springfield Rd.	2101.00'	No	-83.24'	-83.24'
4	Columbia Village Rd.	2130.86'	No	-207.78'	-207.78'

Survey Date: 4/20/2016



Magnetic Declination 13.24° East
Changing by 0.10° West per year.

1. In areas where obstructions are grouped, the object with the highest elevation AND the object that has the greatest Approach Surface penetration are shown as representative of that grouping.
2. Peak terrain penetrations included where applicable.
3. Road elevations include additional height adjustment.
4. Ground profile line represents the highest elevation along the width of the Approach Surface.

REVISIONS				
No.	REVISIONS	DATE	BY	APP'D
1	ALP Revision	01/20/2006	Stantec	
2	ALP Update per Master Plan	10/14/1997	Shutt Moen Associates	

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COLUMBIA AIRPORT
INNER PORTION OF THE
APPROACH SURFACE
RUNWAY 11 AND 29
TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: Matt Quick

DETAILED BY: Chris Donnelly

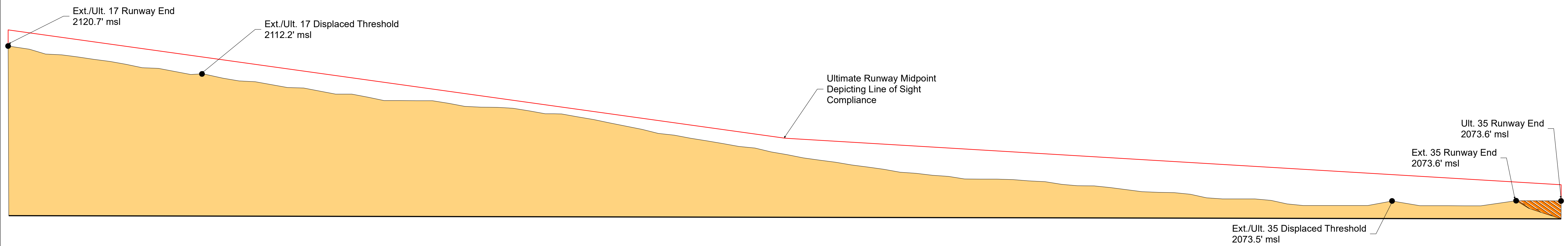
APPROVED BY: Jim Harris

July 2019

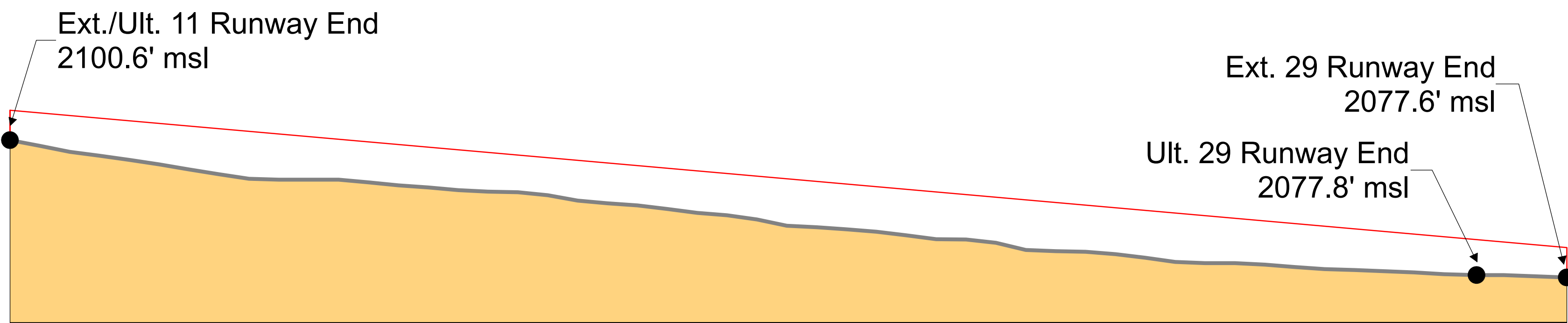
SHEET 7 OF 15

Coffman
Associates
Airport Consultants

Runway 17/35 Ground Profile



Runway 11/29 Ground Profile



01530

1" = 15'

Vertical Scale

0150300

1" = 150"

Horizontal Scale

Legend

5' Line-of-Sight

Runway Profile

GroundFill

Terrain

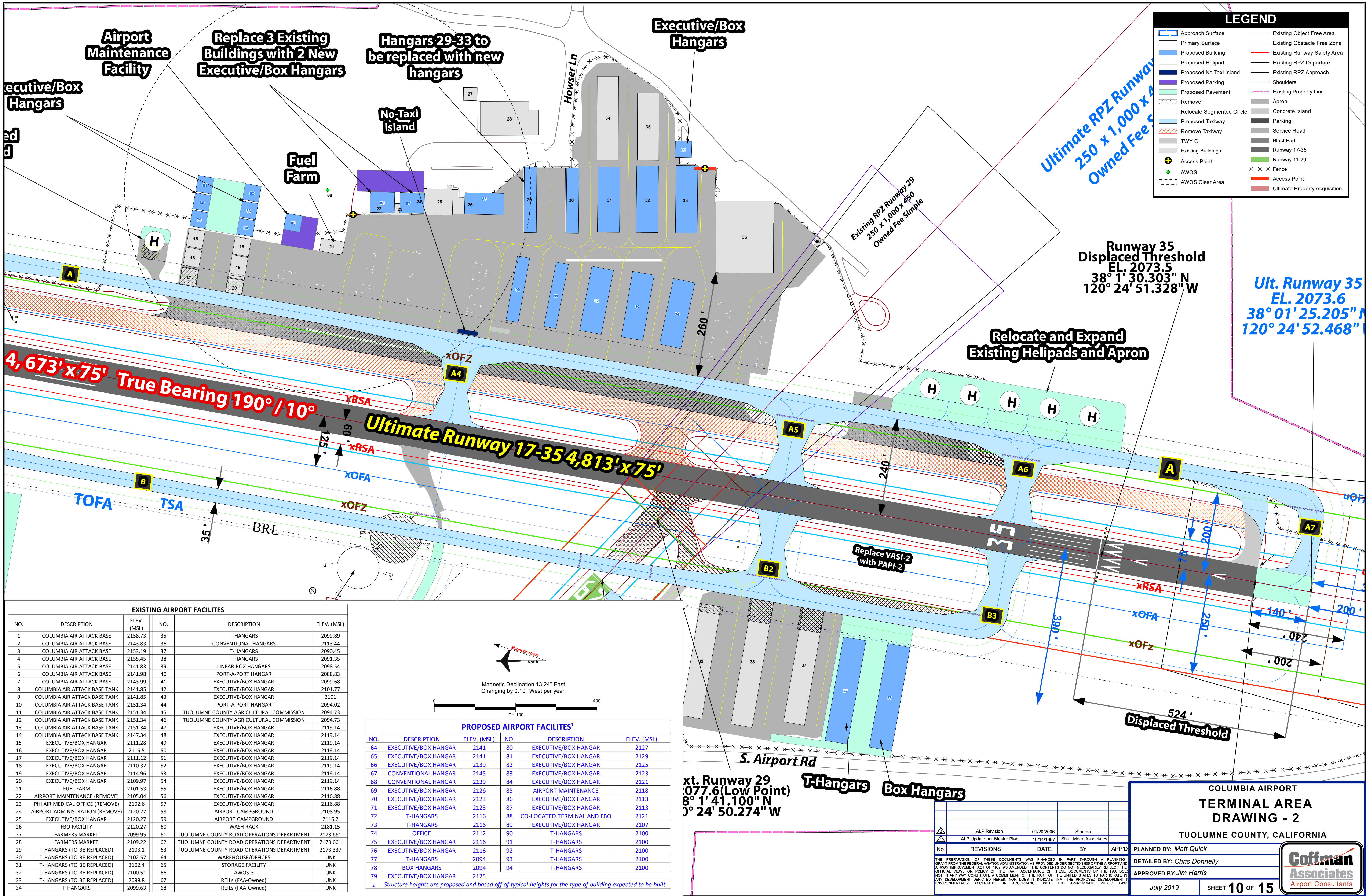
General Notes:
1. Midpoint on Runway 17/35 depicted to signify sufficient visibility for the runway/parallel taxiway network. See AC 150/5300-13A, Paragraph 305.

COLUMBIA AIRPORT				
RUNWAY PROFILES				
TUOLUMNE COUNTY, CALIFORNIA				
PLANNED BY: Matt Quick				
DETAILED BY: Chris Donnelly				
APPROVED BY: Jim Harris				
July 2019				
SHEET 8 OF 15				

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 OF 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 THE APPROPRIATE PUBLIC LAWS.

Coffman Associates

Airport Consultants



LEGEND	
	Approach Surface
	Primary Surface
	Proposed Building
	Proposed Helipad
	Proposed No Taxi Island
	Proposed Parking
	Proposed Pavement
	Remove
	Relocate Segmented Circle
	Proposed Taxiway
	Remove Taxiway
	TWY C
	Existing Buildings
	Access Point
	AWOS
	AWOS Clear Area
	Existing Object Free Area
	Existing Obstacle Free Zone
	Existing Runway Safety Area
	Existing RPZ Departure
	Existing RPZ Approach
	Shoulders
	Existing Property Line
	Apron
	Concrete Island
	Parking
	Service Road
	Blast Pad
	Runway 17-35
	Runway 11-29
	Fence
	Access Point
	Ultimate Property Acquisition

EXISTING AIRPORT FACILITIES				
NO.	DESCRIPTION	ELEV. (MSL)	NO.	DESCRIPTION
1	COLUMBIA AIR ATTACK BASE	2158.73	35	T-HANGARS
2	COLUMBIA AIR ATTACK BASE	2143.83	36	CONVENTIONAL HANGARS
3	COLUMBIA AIR ATTACK BASE	2153.19	37	T-HANGARS
4	COLUMBIA AIR ATTACK BASE	2155.45	38	T-HANGARS
5	COLUMBIA AIR ATTACK BASE	2141.83	39	LINEAR BOX HANGARS
6	COLUMBIA AIR ATTACK BASE	2141.98	40	PORT-A-PORT HANGAR
7	COLUMBIA AIR ATTACK BASE	2143.99	41	EXECUTIVE/BOX HANGAR
8	COLUMBIA AIR ATTACK BASE TANK	2141.85	42	EXECUTIVE/BOX HANGAR
9	COLUMBIA AIR ATTACK BASE TANK	2141.85	43	EXECUTIVE/BOX HANGAR
10	COLUMBIA AIR ATTACK BASE TANK	2151.34	44	PORT-A-PORT HANGAR
11	COLUMBIA AIR ATTACK BASE TANK	2151.34	45	TUOLUMNE COUNTY AGRICULTURAL COMMISSION
12	COLUMBIA AIR ATTACK BASE TANK	2151.34	46	TUOLUMNE COUNTY AGRICULTURAL COMMISSION
13	COLUMBIA AIR ATTACK BASE TANK	2151.34	47	EXECUTIVE/BOX HANGAR
14	COLUMBIA AIR ATTACK BASE TANK	2147.34	48	EXECUTIVE/BOX HANGAR
15	EXECUTIVE/BOX HANGAR	2111.28	49	EXECUTIVE/BOX HANGAR
16	EXECUTIVE/BOX HANGAR	2115.5	50	EXECUTIVE/BOX HANGAR
17	EXECUTIVE/BOX HANGAR	2111.12	51	EXECUTIVE/BOX HANGAR
18	EXECUTIVE/BOX HANGAR	2110.32	52	EXECUTIVE/BOX HANGAR
19	EXECUTIVE/BOX HANGAR	2114.96	53	EXECUTIVE/BOX HANGAR
20	EXECUTIVE/BOX HANGAR	2109.97	54	EXECUTIVE/BOX HANGAR
21	FUEL FARM	2101.53	55	EXECUTIVE/BOX HANGAR
22	AIRPORT MAINTENANCE (REMOVE)	2105.04	56	EXECUTIVE/BOX HANGAR
23	PHI AIR MEDICAL OFFICE (REMOVE)	2102.6	57	EXECUTIVE/BOX HANGAR
24	AIRPORT ADMINISTRATION (REMOVE)	2120.27	58	AIRPORT CAMPGROUND
25	EXECUTIVE/BOX HANGAR	2120.27	59	AIRPORT CAMPGROUND
26	FBO FACILITY	2120.27	60	WASH RACK
27	FARMERS MARKET	2099.95	61	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT
28	FARMERS MARKET	2109.22	62	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT
29	T-HANGARS (TO BE REPLACED)	2103.1	63	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT
30	T-HANGARS (TO BE REPLACED)	2102.57	64	WAREHOUSE/OFFICES
31	T-HANGARS (TO BE REPLACED)	2102.4	65	STORAGE FACILITY
32	T-HANGARS (TO BE REPLACED)	2100.51	66	AWOS-3
33	T-HANGARS (TO BE REPLACED)	2099.8	67	REILS (FAA-Owned)
34	T-HANGARS	2099.63	68	REILS (FAA-Owned)

PROPOSED AIRPORT FACILITIES ¹			
NO.	DESCRIPTION	ELEV. (MSL)	ELEV. (MSL)
64	EXECUTIVE/BOX HANGAR	2141	2127
65	EXECUTIVE/BOX HANGAR	2141	2129
66	EXECUTIVE/BOX HANGAR	2139	2125
67	CONVENTIONAL HANGAR	2145	2123
68	CONVENTIONAL HANGAR	2139	2121
69	EXECUTIVE/BOX HANGAR	2126	2118
70	EXECUTIVE/BOX HANGAR	2123	2113
71	EXECUTIVE/BOX HANGAR	2123	2113
72	T-HANGARS	2116	2121
73	T-HANGARS	2116	2107
74	OFFICE	2112	2100
75	EXECUTIVE/BOX HANGAR	2116	2100
76	EXECUTIVE/BOX HANGAR	2116	2100
77	T-HANGARS	2094	2100
78	BOX HANGARS	2094	2100
79	EXECUTIVE/BOX HANGAR	2125	2100

¹ Structure heights are proposed and based off of typical heights for the type of building expected to be built.

ALP Revision

01/20/2006

Stantec

ALP Update per Master Plan

10/14/1997

Shutt Moen Associates

No.	REVISIONS	DATE	BY	APP'D

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COLUMBIA AIRPORT

TERMINAL AREA

DRAWING - 2

TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: Matt Quick

DETAILED BY: Chris Donnelly

APPROVED BY: Jim Harris

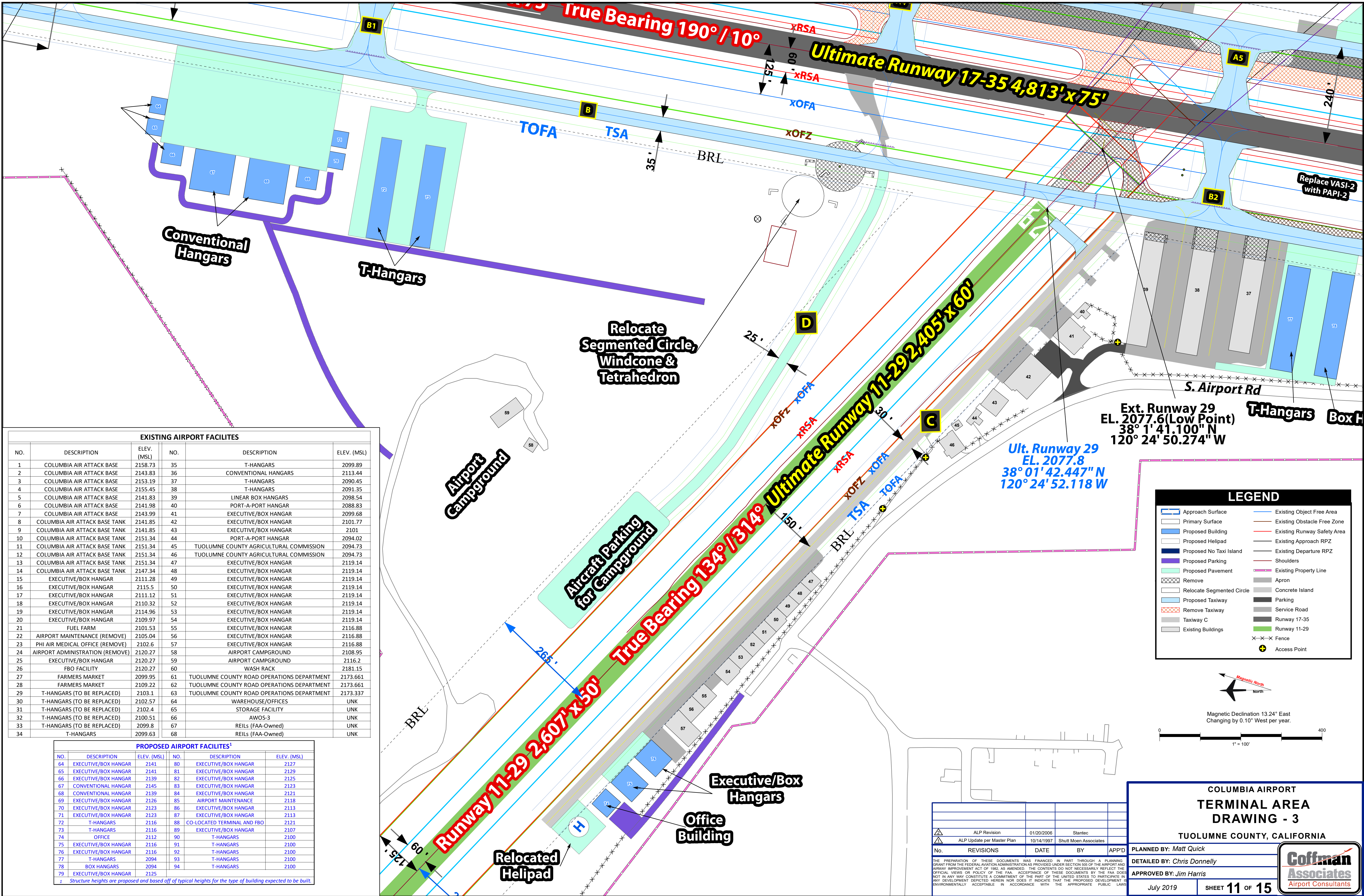
July 2019

SHEET 10 OF 15

Coffman

Associates

Airport Consultants



EXISTING AIRPORT FACILITIES					
NO.	DESCRIPTION	ELEV. (MSL)	NO.	DESCRIPTION	ELEV. (MSL)
1	COLUMBIA AIR ATTACK BASE	2158.73	35	T-HANGARS	2099.89
2	COLUMBIA AIR ATTACK BASE	2143.83	36	CONVENTIONAL HANGARS	2113.44
3	COLUMBIA AIR ATTACK BASE	2153.19	37	T-HANGARS	2090.45
4	COLUMBIA AIR ATTACK BASE	2155.45	38	T-HANGARS	2091.35
5	COLUMBIA AIR ATTACK BASE	2141.83	39	LINEAR BOX HANGARS	2098.54
6	COLUMBIA AIR ATTACK BASE	2141.98	40	PORT-A-PORT HANGAR	2088.83
7	COLUMBIA AIR ATTACK BASE	2143.99	41	EXECUTIVE/BOX HANGAR	2099.68
8	COLUMBIA AIR ATTACK BASE TANK	2141.85	42	EXECUTIVE/BOX HANGAR	2101.77
9	COLUMBIA AIR ATTACK BASE TANK	2141.85	43	EXECUTIVE/BOX HANGAR	2101
10	COLUMBIA AIR ATTACK BASE TANK	2151.34	44	PORT-A-PORT HANGAR	2094.02
11	COLUMBIA AIR ATTACK BASE TANK	2151.34	45	TUOLUMNE COUNTY AGRICULTURAL COMMISSION	2094.73
12	COLUMBIA AIR ATTACK BASE TANK	2151.34	46	TUOLUMNE COUNTY AGRICULTURAL COMMISSION	2094.73
13	COLUMBIA AIR ATTACK BASE TANK	2151.34	47	EXECUTIVE/BOX HANGAR	2119.14
14	COLUMBIA AIR ATTACK BASE TANK	2147.34	48	EXECUTIVE/BOX HANGAR	2119.14
15	EXECUTIVE/BOX HANGAR	2111.28	49	EXECUTIVE/BOX HANGAR	2119.14
16	EXECUTIVE/BOX HANGAR	2115.5	50	EXECUTIVE/BOX HANGAR	2119.14
17	EXECUTIVE/BOX HANGAR	2111.12	51	EXECUTIVE/BOX HANGAR	2119.14
18	EXECUTIVE/BOX HANGAR	2110.32	52	EXECUTIVE/BOX HANGAR	2119.14
19	EXECUTIVE/BOX HANGAR	2114.96	53	EXECUTIVE/BOX HANGAR	2119.14
20	EXECUTIVE/BOX HANGAR	2109.97	54	EXECUTIVE/BOX HANGAR	2119.14
21	FUEL FARM	2101.53	55	EXECUTIVE/BOX HANGAR	2116.88
22	AIRPORT MAINTENANCE (REMOVE)	2105.04	56	EXECUTIVE/BOX HANGAR	2116.88
23	PHI AIR MEDICAL OFFICE (REMOVE)	2102.6	57	EXECUTIVE/BOX HANGAR	2116.88
24	AIRPORT ADMINISTRATION (REMOVE)	2120.27	58	AIRPORT CAMPGROUND	2108.95
25	EXECUTIVE/BOX HANGAR	2120.27	59	AIRPORT CAMPGROUND	2116.2
26	FBO FACILITY	2120.27	60	WASH RACK	2181.15
27	FARMERS MARKET	2099.95	61	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT	2173.661
28	FARMERS MARKET	2109.22	62	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT	2173.661
29	T-HANGARS (TO BE REPLACED)	2103.1	63	TUOLUMNE COUNTY ROAD OPERATIONS DEPARTMENT	2173.337
30	T-HANGARS (TO BE REPLACED)	2102.57	64	WAREHOUSE/OFFICES	UNK
31	T-HANGARS (TO BE REPLACED)	2102.4	65	STORAGE FACILITY	UNK
32	T-HANGARS (TO BE REPLACED)	2100.51	66	AWOS-3	UNK
33	T-HANGARS (TO BE REPLACED)	2099.8	67	REILS (FAA-Owned)	UNK
34	T-HANGARS	2099.63	68	REILS (FAA-Owned)	UNK

PROPOSED AIRPORT FACILITIES ¹					
NO.	DESCRIPTION	ELEV. (MSL)	NO.	DESCRIPTION	ELEV. (MSL)
64	EXECUTIVE/BOX HANGAR	2141	80	EXECUTIVE/BOX HANGAR	2127
65	EXECUTIVE/BOX HANGAR	2141	81	EXECUTIVE/BOX HANGAR	2129
66	EXECUTIVE/BOX HANGAR	2139	82	EXECUTIVE/BOX HANGAR	2125
67	CONVENTIONAL HANGAR	2145	83	EXECUTIVE/BOX HANGAR	2123
68	CONVENTIONAL HANGAR	2139	84	EXECUTIVE/BOX HANGAR	2121
69	EXECUTIVE/BOX HANGAR	2126	85	AIRPORT MAINTENANCE	2118
70	EXECUTIVE/BOX HANGAR	2123	86	EXECUTIVE/BOX HANGAR	2113
71	EXECUTIVE/BOX HANGAR	2123	87	EXECUTIVE/BOX HANGAR	2113
72	T-HANGARS	2116	88	CO-LOCATED TERMINAL AND FBO	2121
73	T-HANGARS	2116	89	EXECUTIVE/BOX HANGAR	2107
74	OFFICE	2112	90	T-HANGARS	2100
75	EXECUTIVE/BOX HANGAR	2116	91	T-HANGARS	2100
76	EXECUTIVE/BOX HANGAR	2116	92	T-HANGARS	2100
77	T-HANGARS	2094	93	T-HANGARS	2100
78	BOX HANGARS	2094	94	T-HANGARS	2100
79	EXECUTIVE/BOX HANGAR	2125			

¹ Structure heights are proposed and based off of typical heights for the type of building expected to be built.

¹ Structure heights are proposed and based off of typical heights for the type of building expected to be built.

ALP Revision	01/20/2006	Stantec	
ALP Update per Master Plan	10/14/1997	Shutt Moen Associates	
No.	REVISIONS	DATE	BY
			APP'D

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COLUMBIA AIRPORT

TERMINAL AREA

DRAWING - 3

TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: Matt Quick

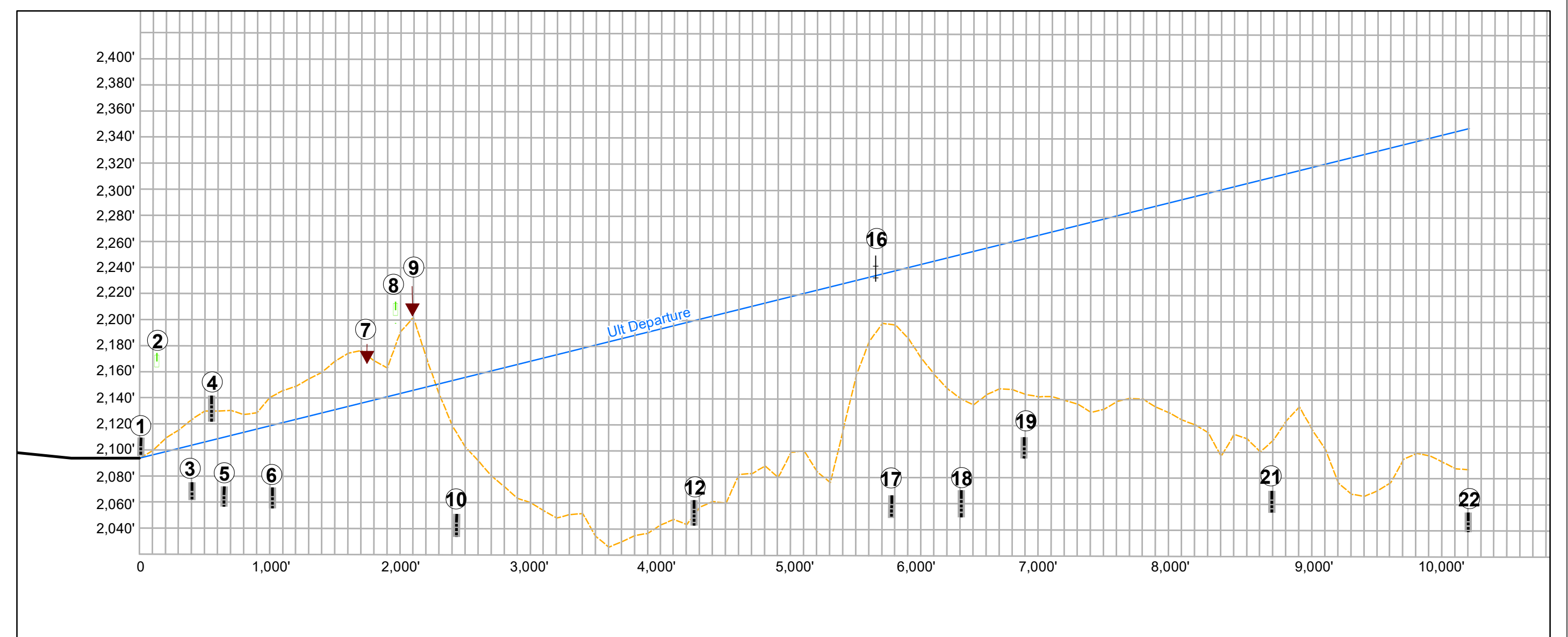
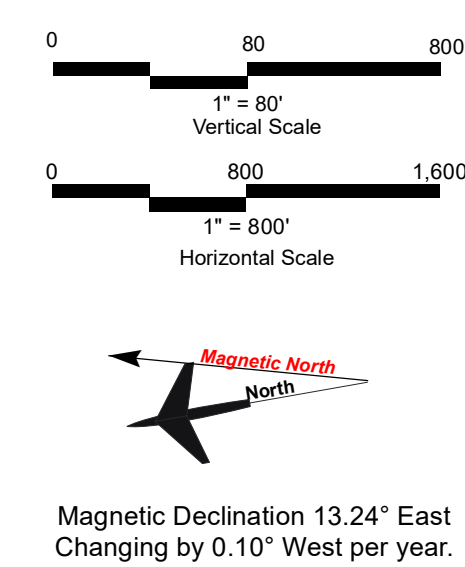
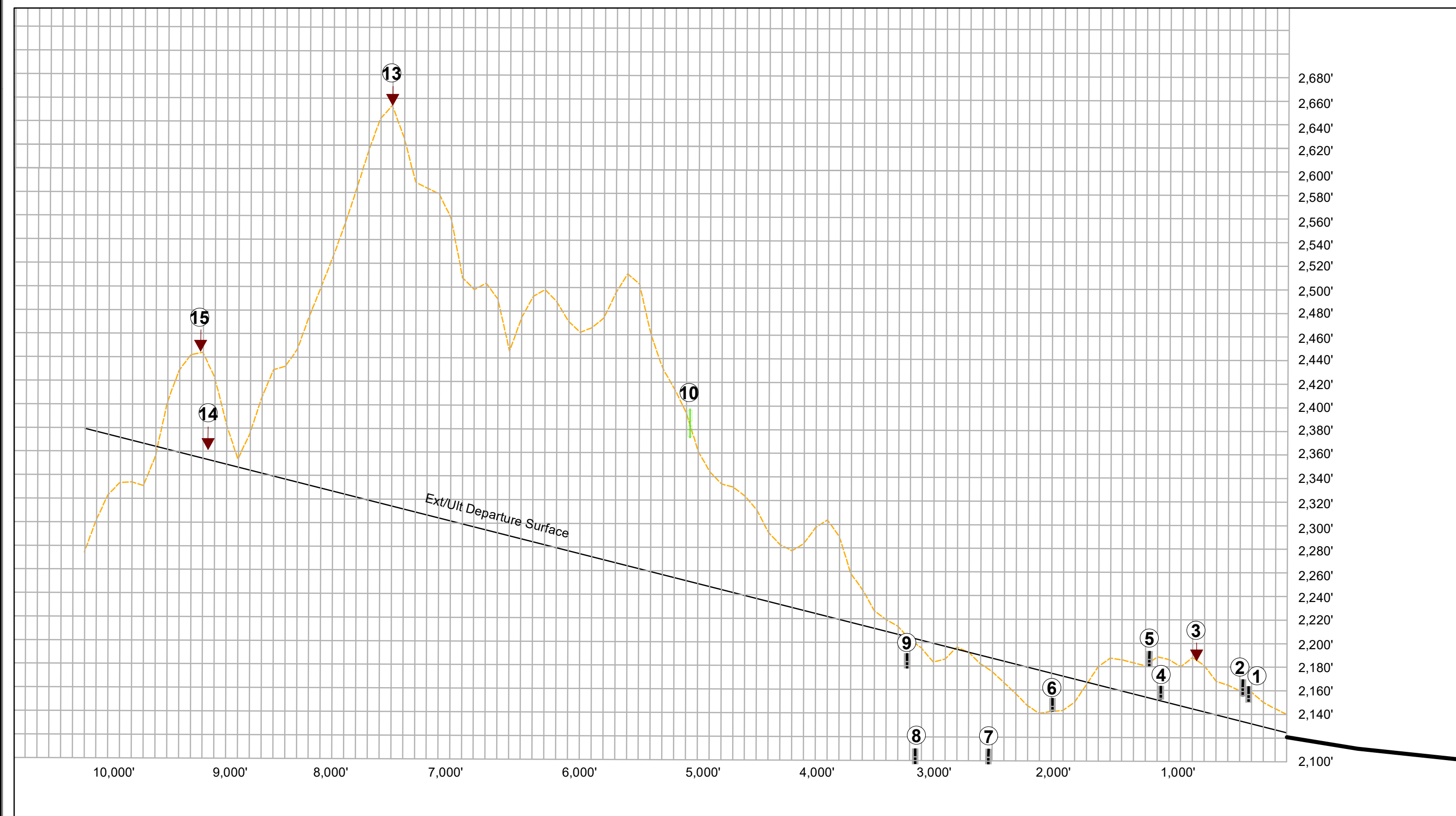
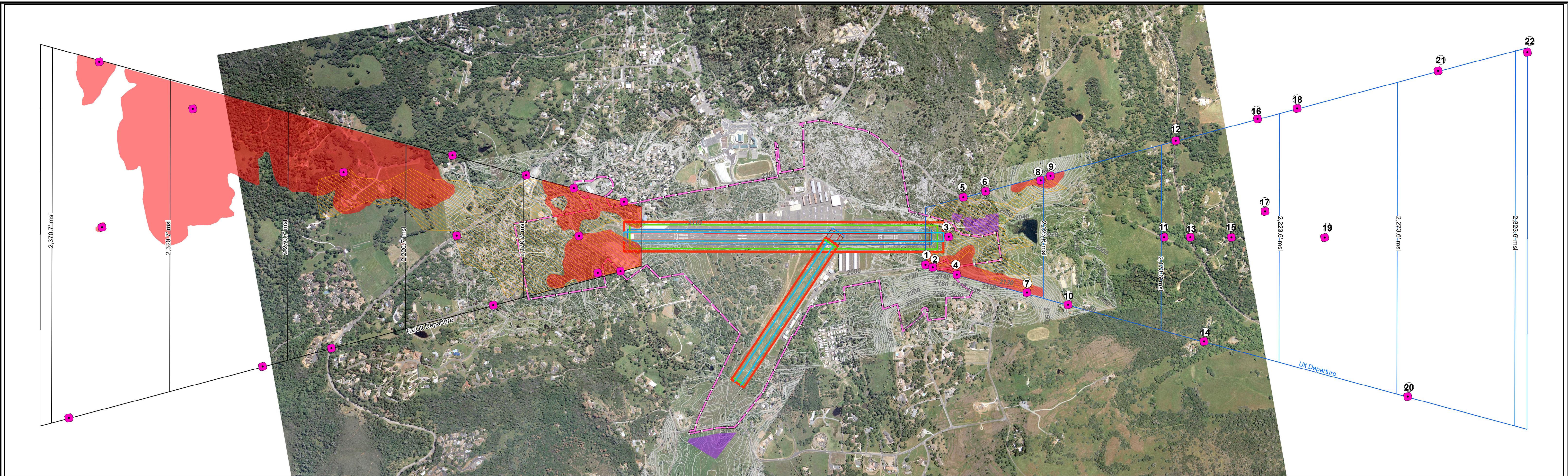
DETAILED BY: Chris Donnelly

APPROVED BY: Jim Harris

July 2019

SHEET 11 OF 15

Coffman Associates Airport Consultants



Runway 17 End Departure Surface					
Num.	Object	Elevation	Departure Surface Penetration	Departure Penetration/ Clearance	Proposed Remediation
1	Columbia Airport Rd.	2165.75'	Yes	37.49'	N/A
2	N. Airport Rd.	2171.03'	Yes	41.38'	N/A
3	Terrain	2191.80'	Yes	52.35'	N/A
4	N. Airport Rd.	2163.56'	Yes	16.26'	N/A
5	N. Airport Rd.	2195.00'	Yes	45.47'	N/A
6	Parrots Ferry Rd.	2156.65'	No	-13.15'	N/A
7	Providence Rd.	2110.39'	No	-73.21'	N/A
8	Parrots Ferry Rd.	2111.00'	No	-88.15'	N/A
9	Private Rd.	2192.96'	No	-8.05'	N/A
10	Vegetation	2398.53'	Yes	151.35'	Remove
11*	Parrots Ferry Rd.	2013.83'	No	-238.17'	N/A
12*	Marble Quarry Rd.	1967.33'	No	-314.07'	N/A
13	Terrain	2652.29'	Yes	340.89'	N/A
14	Terrain	2242.85'	Yes	10.75'	N/A
15	Terrain	2242.85'	Yes	91.80'	N/A
16*	Brewster Rd.	1885.62'	No	-477.79'	N/A

LEGEND	
Ex/Ult Departure Surface	Ground Profile
Ult Departure Surface	Significant Objects
Existing OFA	Road
Existing OFZ	Terrain
Existing RSA	Tower
Ultimate OFZ	Vegetation
Ultimate RSA	Departure Surface Obstruction Grouping
Index Contour	Departure Surface Terrain Penetrations
Ground Contour	Avigation Easements
Airport Property	

Runway 35 End Departure Surface					
Num.	Object	Elevation	Departure Surface Penetration/ Clearance	Proposed Remediation	
1	S. Airport Rd.	2109.35'	Yes	35.72'	N/A
2	Vegetation	2176.38'	Yes	99.71'	Remove
3	Horseshoe Bend Rd.	2075.00'	No	-8.46'	N/A
4	Horseshoe Bend Rd.	2142.34'	Yes	55.45'	N/A
5	Springfield Rd.	2073.00'	No	-16.62'	N/A
6	Shaws Flat Rd.	2073.00'	No	-26.00'	N/A
7	Terrain	2167.80'	Yes	36.56'	N/A
8	Vegetation	2215.62'	Yes	93.28'	Remove
9	Terrain	2182.19'	Yes	62.24'	N/A
10	Private Rd.	2053.05'	No	-81.02'	N/A
11*	Springfield Rd.	2007.15'	No	-167.62'	N/A
12	Golden Chain Hwy.	2062.44'	No	-117.15'	N/A
13*	Golden Chain Hwy.	1993.17'	No	-192.7'	N/A
14*	Private Rd.	1885.57'	No	-306.2'	N/A
15*	Crystal Rock Rd.	2007.15'	No	-196.19'	N/A
16	Tower	2251.00'	Yes	33.46'	Light
17	Mountain Brow Rd.	2067.86'	No	-146.46'	N/A
18	Lancaster Rd.	2070.76'	No	-160.27'	N/A
19	Crystal Rock Rd.	2112.67'	No	-130.17'	N/A
20*	Flume Rd.	1812.53'	No	-465.69'	N/A
21	Ratto Rd.	2071.27'	No	-219.53'	N/A
22	Jamestown Rd.	2056.49'	No	-272.14'	N/A

Survey Date: 4/20/2016
*Location not visible in profile view

1. In areas where obstructions are grouped, the object with the highest elevation AND the object that has the greatest Approach Surface penetration are shown as representative of that grouping.
2. Peak terrain penetrations included where applicable.
3. Road elevations include additional height adjustment.
4. Ground profile line represents the highest elevation along the width of the Departure Surface.

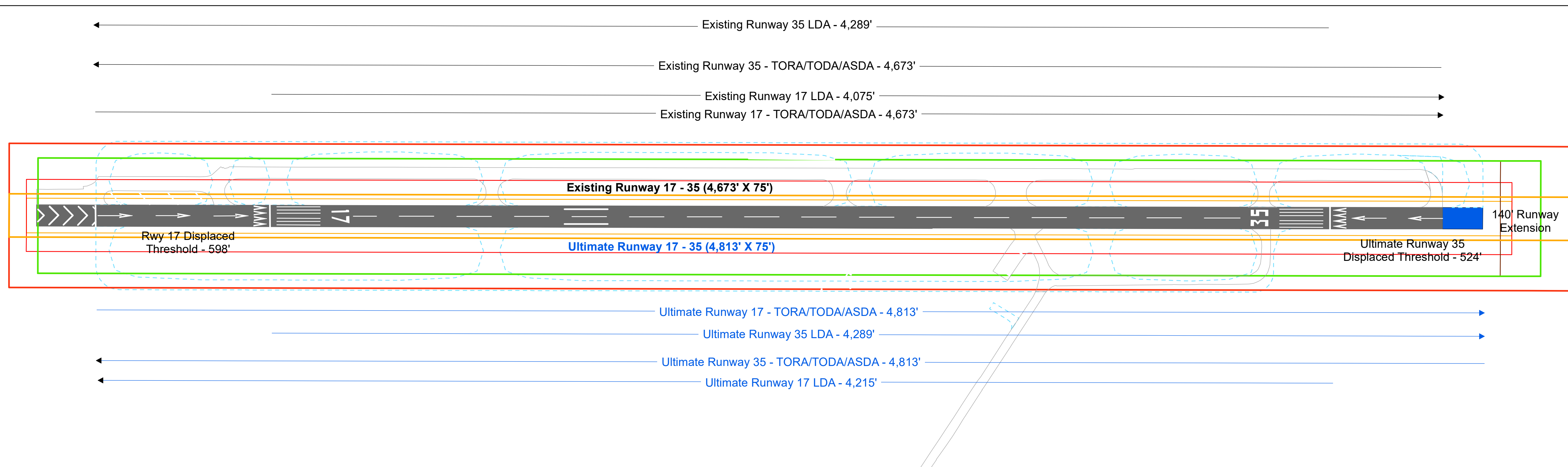
No.	REVISIONS	DATE	BY	APP'D
	ALP Revision	01/20/2006	Stanlec	
	ALP Update per Master Plan	10/14/1997	Shutt Moen Associates	

COLUMBIA AIRPORT
DEPARTURE SURFACE DRAWING
RUNWAY 17-35
TUOLUMNE COUNTY, CALIFORNIA

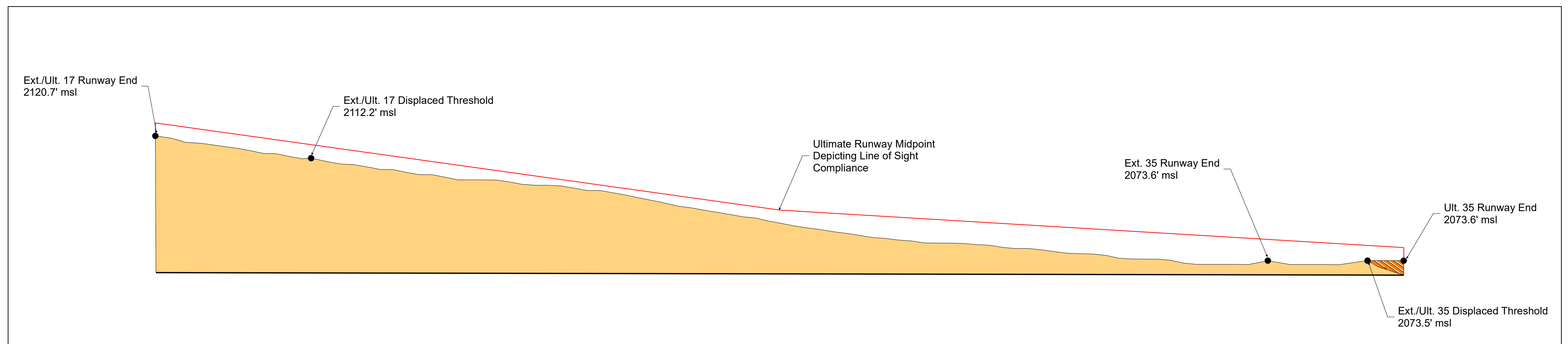
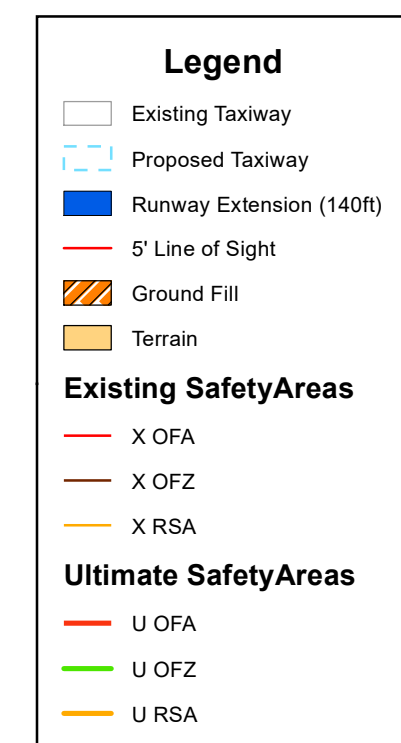
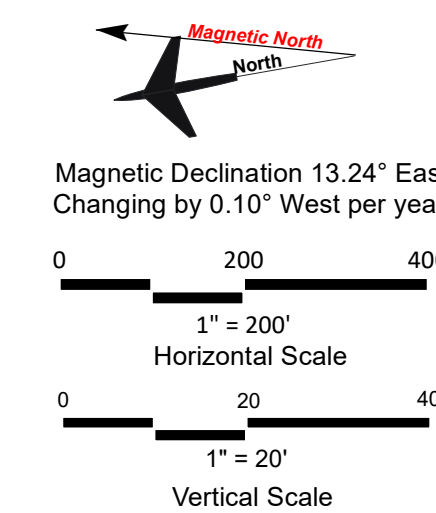
PLANNED BY: Matt Quick
DETAILED BY: Chris Donnelly
APPROVED BY: Jim Harris
July 2019

SHEET 12 OF 15
Coffman Associates
Airport Consultants

Runway 17-35

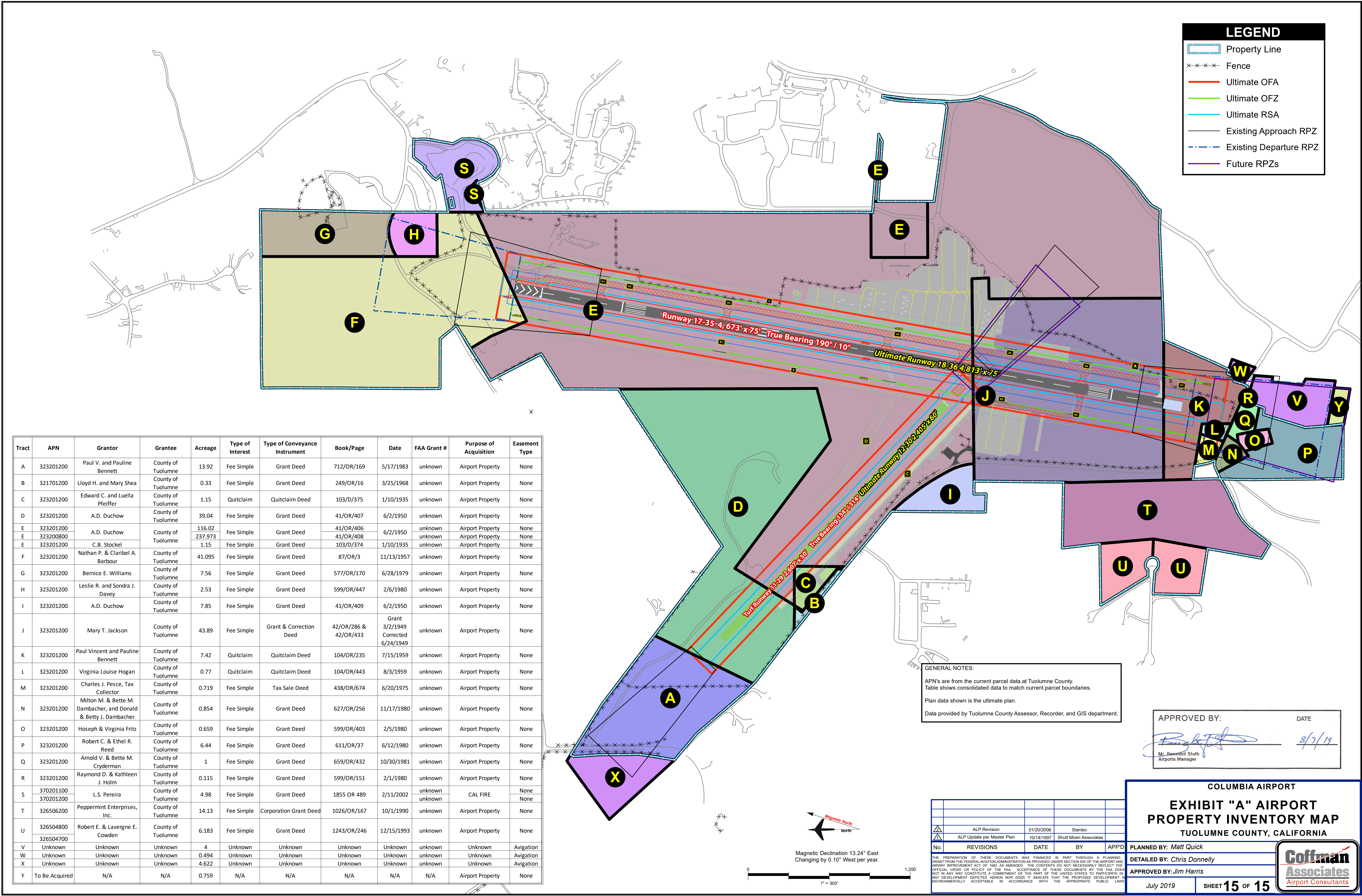


RUNWAY DECLARED DISTANCES	EXISTING	ULTIMATE
	17/35	17/35
TAKE OFF RUN AVAILABLE (TORA)	4,673'	4,813'
TAKEOFF DISTANCE AVAILABLE (TODA)	4,673'	4,813'
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	4,673'	4,813'
LANDING DISTANCE AVAILABLE (LDA)	4,075' / 4,289'	4,215' / 4,289'



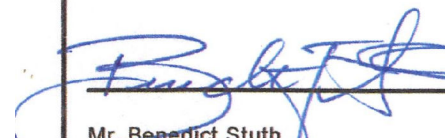
	ALP Revision	01/20/2006	Stancic		
	ALP Update per Master Plan	10/14/1997	Shult Moon Associates		
No.	REVISIONS	DATE	BY	APP	
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COLUMBIA AIRPORT	
DECLARED DISTANCES DRAWING	
RUNWAY 17-35	
TUOLUMNE COUNTY, CALIFORNIA	
PLANNED BY: <i>Matt Quick</i>	
DETAILED BY: <i>Chris Donnelly</i>	
APPROVED BY: <i>Jim Harris</i>	
July 2019	SHEET 13 OF 15



Tract	APN	Grantor	Grantee	Acreage	Type of Interest	Type of Conveyance Instrument	Book/Page	Date	FAA Grant #	Purpose of Acquisition	Easement Type
A	323201200	Paul V. and Pauline Bennett	County of Tuolumne	13.92	Fee Simple	Grant Deed	712/OR/169	5/17/1983	unknown	Airport Property	None
B	321701200	Lloyd H. and Mary Shea	County of Tuolumne	0.33	Fee Simple	Grant Deed	249/OR/16	3/25/1968	unknown	Airport Property	None
C	323201200	Edward C. and Luella Pfeiffer	County of Tuolumne	1.15	Quitclaim	Quitclaim Deed	103/D/375	1/10/1935	unknown	Airport Property	None
D	323201200	A.D. Duchow	County of Tuolumne	39.04	Fee Simple	Grant Deed	41/OR/407	6/2/1950	unknown	Airport Property	None
E	323201200	A.D. Duchow	County of Tuolumne	116.02	Fee Simple	Grant Deed	41/OR/406	6/2/1950	unknown	Airport Property	None
E	323200800			237.973			41/OR/408				
E	323201200	C.B. Stockel	County of Tuolumne	1.15	Fee Simple	Grant Deed	103/D/374	1/10/1935	unknown	Airport Property	None
F	323201200	Nathan P. & Claribel A. Barbour	County of Tuolumne	41.095	Fee Simple	Grant Deed	87/OR/3	11/13/1957	unknown	Airport Property	None
G	323201200	Bernice E. Williams	County of Tuolumne	7.56	Fee Simple	Grant Deed	577/OR/170	6/28/1979	unknown	Airport Property	None
H	323201200	Leslie R. and Sondra J. Davey	County of Tuolumne	2.53	Fee Simple	Grant Deed	599/OR/447	2/6/1980	unknown	Airport Property	None
I	323201200	A.D. Duchow	County of Tuolumne	7.85	Fee Simple	Grant Deed	41/OR/409	6/2/1950	unknown	Airport Property	None
J	323201200	Mary T. Jackson	County of Tuolumne	43.89	Fee Simple	Grant & Correction Deed	42/OR/286 & 42/OR/433	Grant 3/2/1949 Corrected 6/24/1949	unknown	Airport Property	None
K	323201200	Paul Vincent and Pauline Bennett	County of Tuolumne	7.42	Quitclaim	Quitclaim Deed	104/OR/235	7/15/1959	unknown	Airport Property	None
L	323201200	Virginia Louise Hogan	County of Tuolumne	0.77	Quitclaim	Quitclaim Deed	104/OR/443	8/3/1959	unknown	Airport Property	None
M	323201200	Charles J. Pesce, Tax Collector	County of Tuolumne	0.719	Fee Simple	Tax Sale Deed	438/OR/674	6/20/1975	unknown	Airport Property	None
N	323201200	Milton M. & Bette M. Dambacher, and Donald & Betty J. Dambacher	County of Tuolumne	0.854	Fee Simple	Grant Deed	627/OR/256	11/17/1980	unknown	Airport Property	None
O	323201200	Hoseph & Virginia Fritz	County of Tuolumne	0.659	Fee Simple	Grant Deed	599/OR/403	2/5/1980	unknown	Airport Property	None
P	323201200	Robert C. & Ethel R. Reed	County of Tuolumne	6.44	Fee Simple	Grant Deed	611/OR/37	6/12/1980	unknown	Airport Property	None
Q	323201200	Arnold V. & Bette M. Cryderman	County of Tuolumne	1	Fee Simple	Grant Deed	659/OR/432	10/30/1981	unknown	Airport Property	None
R	323201200	Raymond D. & Kathleen J. Holm	County of Tuolumne	0.115	Fee Simple	Grant Deed	599/OR/151	2/1/1980	unknown	Airport Property	None
S	370201100 370201200	L.S. Pereira	County of Tuolumne	4.98	Fee Simple	Grant Deed	1855 OR 489	2/11/2002	unknown unknown	CAL FIRE	None None
T	326506200	Peppermint Enterprises, Inc.	County of Tuolumne	14.13	Fee Simple	Corporation Grant Deed	1026/OR/167	10/1/1990	unknown	Airport Property	None
U	326504800 326504700	Robert E. & Lavergne E. Cowden	County of Tuolumne	6.183	Fee Simple	Grant Deed	1243/OR/246	12/15/1993	unknown	Airport Property	None
V	Unknown	Unknown	Unknown	4	Unknown	Unknown	Unknown	Unknown	unknown	Unknown	Avigation
W	Unknown	Unknown	Unknown	0.494	Unknown	Unknown	Unknown	Unknown	unknown	Unknown	Avigation
X	Unknown	Unknown	Unknown	4.622	Unknown	Unknown	Unknown	Unknown	unknown	Unknown	Avigation
Y	To Be Acquired	N/A	N/A	0.759	N/A	N/A	N/A	N/A	N/A	Airport Property	None

GENERAL NOTES:
APN's are from the current parcel data at Tuolumne County.
Table shows consolidated data to match current parcel boundaries.
Plan data shown is the ultimate plan.
Data provided by Tuolumne County Assessor, Recorder, and GIS department.

APPROVED BY:  DATE 8/7/19
Mr. Benedict Stuth
Airports Manager

	ALP Revision	01/20/2006	Stantec	
	ALP Update per Master Plan	10/14/1997	Shult Moon Associates	
No.	REVISIONS	DATE	BY	APP'D
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 OF 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 THE APPROPRIATE PUBLIC LAWS				

COLUMBIA AIRPORT

EXHIBIT "A" AIRPORT
PROPERTY INVENTORY MAP
TUOLUMNE COUNTY, CALIFORNIA

PLANNED BY: Matt Quick

DETAILED BY: Chris Donnelly

APPROVED BY: Jim Harris

July 2019



SHEET 15 OF 15