





## COVER SHEET

- 2. AIRPORT LAYOUT PLAN
- AIRPORT DATA SHEET
- RUNWAY 3L INNER APPROACH SURFACE (EXISTING) 4.
- 5. RUNWAY 21R INNER APPROACH SURFACE (EXISTING/FUTURE)
- 6. RUNWAY 3L INNER APPROACH SURFACE (FUTURE)
- 7. RUNWAY 3R INNER APPROACH SURFACE (EXISTING/FUTURE)
- 8. RUNWAY 21L INNER APPROACH SURFACE (EXISTING/FUTURE)
- 9. RUNWAY 12 INNER APPROACH SURFACE (EXISTING)

## **ALP Approval & Exhibit A Acceptance** Tri-Cities Airport (PSC) | Pasco, WA

## February 8, 2021

## Background

The updated Airport Layout Plan (ALP) for the Tri-Cities Airport (PSC) consists of Sheets 1 through 25 dated July 2020 and Exhibit A - Airport Property Map consists of Sheet 26 dated December 2020. These documents were developed based on the conclusions of the 2020 Airport Master Plan study. An aeronautical study (no. 2020-ANM-2463-NRA) was conducted on the proposed development. This determination does not constitute FAA approval or disapproval of the physical development involved in the proposal. It is a determination with respect to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.

This ALP approval is conditioned on acknowledgement that any development on airport property requiring Federal environmental approval must receive such written approval from FAA prior to commencement of the subject development. This ALP approval is also conditioned on acceptance of the plan under local land use laws. We encourage appropriate agencies to adopt land use and height restrictive zoning based on the plan.

Approval of the plan does not indicate that the United States will participate in the cost of any development proposed. AIP funding requires evidence of eligibility and justification at the time a funding request is ripe for consideration. When construction of any proposed structure or development indicated on the plan is undertaken, such construction requires normal 45-day advance notification to FAA for review in accordance with applicable Federal Aviation Regulations (i.e., Parts 77, 157, 152, etc.). More notice is generally beneficial to ensure that all statutory, regulatory, technical and operational issues can be addressed in a timely manner.

## ALP

changes in this 2020 ALP from the previous version include: → Runways → Taxiways added. guidance. → Landside existing area. aircraft simultaneously.

# Tri-Cities Airport Airport Layout Plan **Port of Pasco**

## Pasco, Washington **December 2020**

**AIP Grant # 3-53-0046-2018** 

	REVISION BLOCK									
#	DESCRIPTION	BY	DATE							
1	ALP Update	M&H	07/27/20							

## SHEET INDEX

- 10. RUNWAY 30 INNER APPROACH SURFACE (EXISTING)
- 11. RUNWAY 12 INNER APPROACH SURFACE (FUTURE)
- 12. RUNWAY 30 INNER APPROACH SURFACE (FUTURE)
- 13. RUNWAY 3L/21R DEPARTURE SURFACES
- 14. RUNWAY 12/30 DEPARTURE SURFACES
- 15. AIRPORT AIRSPACE DRAWING PLAN VIEW (CENTER)
- 16. AIRPORT AIRSPACE DRAWING PLAN VIEW (RUNWAY 30)
- 17. AIRPORT AIRSPACE DRAWING PLAN VIEW (RUNWAY 3L)
  - 18. AIRPORT AIRSPACE DRAWING PLAN VIEW (RUNWAY 21R)
- The ALP consists of Sheets 1 through 25. It was prepared in accordance with current FAA airport design standards, FAA Standard Operating Procedure 2.00. The last ALP for the Tri-Cities Airport was approved by FAA in May 2013. Major
  - o Future design aircraft for Runways 3L/21R and 12/30 is D-III 737 MAX 8. It was the C-IV 757-200.
    - Runway 3R/21L remains unchanged at B-II.
  - o Runway End 12 extended to the northwest by 1,847 feet (was 1,850 feet) for total length of 9,200 feet.
  - o Connector from Taxiway D across Runway 12/30 to Taxiway G
  - o Taxiway E will eventually become a taxilane as GA area develops. o Taxiway G partial parallel reduced width from 75 feet for Taxiway Design Group (TDG) 5 to 50 feet for TDG 3.
  - o Runup apron at Runway End 21L removed.
  - o Runup apron near Taxiway E1 modified to meet AC-13A
  - o Taxiway geometry at intersection of A and E simplified. o Taxiway B renamed Taxiway A2 (Future A3)
  - o Passenger terminal expansion has been reconfigured, remains in
  - o Deice pads have been reconfigured to accommodate more

- o GA hangar and apron development east of Taxiway G has been shown.
- o Buildout of the Airport Business Center has been depicted.
- o New SRE facility is located west of existing aircraft rescue and firefighting station.
- o Proposed relocation site for the airport traffic control tower defined

## Exhibit A

The Exhibit A - Airport Property Map consists of Sheet 26. It has been prepared in accordance with FAA Standard Operating Procedure 3.00 and developed based on the following:

- → Airport parcels
  - o Existing fee and easement parcels are based on recorded conveyance documents obtained through Airport and local records.
  - o Future and ultimate airport property interests are shown based on the development plans and design standards shown on the ALP.
- + Existing fee and easement parcels, as well as recorded encumbrance boundaries, were drawn as legally described in conveyance documents.
- → A review of the Federal grant history and associated parcel naming convention was completed.

The last Exhibit A - Property Map was updated in December 2012. Major changes in this December 2020 Exhibit A Update from the previous version includes:

 $\rightarrow$  Updated with existing and future layout changes, and additional easements located to the north and west of Runway End 12.

- 19. AIRPORT AIRSPACE DRAWING PROFILE VIEW
- 20. AIRPORT AIRSPACE DRAWING PROFILE VIEW
- 21. RUNWAY CENTERLINE PROFILES
- 22. TERMINAL AREA PLAN
- 23. BUSINESS PARK PLAN
- 24. GENERAL AVIATION PLAN
- 25. LAND USE VICINITY AERIAL
- 26. AIRPORT PROPERTY MAP EXHIBIT 'A'

## Signature Blocks

FAA:

MELLO

## **Airport Sponsor:**



**Consultant:** 











3L are depicted with cross-hatching.

The FAA signature below acknowledges approval of the ALP and acceptance of the Exhibit A.



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Mitchell R. Hooper Mitchell Hooper Vice President February 10, 2021



NOT FOR CONSTRUCTION



		DRAWING L	EGEND			
		2.2	EXISTING	FUTURE	I N/I <i>E</i>	אכ
	ACTIVE AIRFIE	LD PAVEMENT / SHOULDER				-un
1	PAVEMENT TO	BE REMOVED (AIRFIELD & ROAD)	N/A			unt
51	AIRPORT PRO	PERTY		+ +		ull
15 <sup>5</sup>	FUTURE DEVE	LOPMENT AREA	N/A		Mead and	Hunt Inc
//	FUTURE AUTC	PARKING EXPANSION AREA	N/A		9600 NF Casc	ades Parkway.
	AVIGATION EA			N/A	Suite	100
					Portland,	OR 97220
	RUNWAY PRO	TECTION ZONE (BPZ)			phone: 503	-548-1494
	RUNWAY OBJI	ECT FREE AREA (ROFA)	ROFA	— ROFA	meadhu	int.com
	OBSTACLE FR	EE ZONE (OFZ)	OFZ	— — — OFZ		
	RUNWAY VISIE	BILITY ZONE (RVZ)	RVZ	— — — RVZ		
	BUILDING RES	STRICTION LINE (BRL)	BRL	——— — — BRL ———		
	PRECISION OF	BSTACLE FREE ZONE				LCITIES
JTURE	INNER APPRO	ACH OFZ	IAOFZ	— — — — IAOFZ —		
7 20:1	INNER TRANS		ITOFZ	— — — — ITOFZ —	AIR	PORT
X 5.000'	FAR PART 77 A		P77	P77		
		IE MARKING	Iss			
			TOFA		The preparation of this d	ocument may have been
RESHOLD	BUILDING - ON	AIRPORT			supported, in part, through Program financial assistance	the Airport Improvement from the Federal Aviation
The second	BUILDING - OF	FAIRPORT		N/A	Administration as provide Section 47104. The cont	d under Title 49 U.S.C., tents do not in any way
	MONUMENT (F	PACS and SACS)		N/A	constitute a commitment of States to participate in a	on the part of the United
e/ /11	LIGHTS (THRE	SHOLD / REIL / MALSR)	XXXXX / ¥ / —	∞∞/∀/ —	therein nor does it indi development is environmen	cate that the proposed
118 9	BEACON		*	☆	have justification in accorpublic laws.	ordance with appropriate
	PRECISION AF	PROACH PATH INDICATOR (PAPI)				
	WIND CONE			N/A		
A last of the second se	GLIDE SLOPE	ANTENNA		4		
	GLIDE SLOPE	CRITICAL AREA (GCA)	GCA	GCA		
	LOCALIZER			N/A		
E RPZ	LOCALIZER CF	RITICAL AREA (LCA)		N/A		
	AUTO. SURFA	CE OBSERVING SYSTEM (ASOS)		N/A		
		AL AREA (ACA)	ACA	N/A		
				N/A		
	GBAVEL BOAL		IN/A	N/A		
		, 		N/A		
	FENCE / GATE	(8ft. High)	xx	x <u> </u>		
	CHANNEL / DI	ТСН		N/A		
	TERRAIN CON	TOUR	<u> </u>	N/A		
	CENTER SECT	TON MARKER	(19 <u>20</u> 2930	N/A		
		EXISTING I	-ACILITIES			
	ALP #	FACILITY NAME		ELEVATION (MSL)		
	(1) Air C	Carrier Passenger Terminal		439.7		
	1a Air C	Carrier Passenger Terminal Apron		N/A		
	2 Air T	raffic Control Tower		459.4		
	③ Airpo	ort Beacon		482.8		
	4 Care	go Building/Facilities		425.1	$I \equiv Z$	Pe
	5 Auto	mobile Parking		N/A		μ
TI	(6) Airpo	ort Rescue and Fire Fighting (ARFF)		429.4		e د
- John south	(7) PAP	I (Precision Approach Path Indicator)		N/A		σĀ
1-1	(8) VAS	I (Visual Approach Slope Indicator)		N/A		at p
	(9) REIL	(Runway End Indicator Lights)		N/A		i. t
A. A surret		mated Surface Observing System (A	SOS)	404.0		o ۲
100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	(12) Glide	e Slope Antenna		401.6		th 'a:
He m	(13) Loca	alizer		410.1		₽₹
filter sol is	14 Loca	alizer Antenna Equipment Building		425.6		Z <sup>,</sup> –
and the applied	15 VOR	/DME		405.6		
الأراجان المغر	16 Airpo	ort Surveillance Radar (ASR)		424.1		93 93
Chien :	25					ര്മ്ത്
And I am		FUIURE F	ACILITIES			
	ALP #	FACILITY NAME		ELEVATION (MSL)	22/20	
-	(fl) Futu	re Air Carrier Passenger Terminal Ex	pansion	TBD	D/ 12/2	
	(f2) Futu	re Snow Removal Equipment Buildin	g (SRE)	TBD	<u>_ μ</u>	
	(f3) Futu	re Auto Parking Garage		TBD	та S	
RP7	(f4) Futu			TBD		
NF Z	(15) Futu	re Abg III Deicing Apron			<u>ରା</u>	
17	(f7) Futu	re Bental Car Quick Turn Around (QT	A) Facility	TBD		
	$(\widehat{\mathbf{f8}})$ Futu	re PAPI (Precision Approach Path Inc	dicator)	TBD		
	(f9) Futu	re Aircraft Rescue and Fire Fighting 1	Fraining Facility	TBD	Mast	
	(10) Futu	re REIL (Runway End Indicator Lights	s)	TBD	art of	
ACE	fi) Futu	re Development Area		TBD	DTION as p	
Ē	f12 Futu	re MALSR (Medium Intensity Approa	ch Lighting System)	TBD	SCRIF	
THRESHOL	LD		Тс	Be Determined = TBD		
REACE		Ν	IOTES		# <del>-</del>	
		<ol> <li>RPZ land use analysis required v implemented.</li> </ol>	when Runway 3L and 30	) LPV approaches	M&H NO.: 1624	1500-172210.01
						ember 2020
					DRAWN BY: TF	
	ML	FAA A	APPROVAL		СНЕСКЕД ВУ: КМ	
10 1 28°	A D				DO NOT SCAL	E DRAWINGS
100	*				SHEET CONTENTS	
25	1 INT -					
	e to	FEDERAL AVIATION ADMINISTRAT	ION	DATE	AIRPORT	LAYOUT
15		NORTHWEST MOUNTAIN REGION	FICE		PI	AN
The	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~					
C DECLINATIO	ON:					
EAST (±0° 23'	)		AFFROVA		SHEET NO.	
IANGE: 0° 6' V	VEST					
600	1 000					f OC
	1,200					バ
		PORT OF PASCO		DATE		_
	T I				NOT FOR CO	NSTRUCTION
	-					• ! •

				EXIST	ING T	AXIWA	Y DAT	A		
NAME	WIDTH	SHOULDER	ADG	TDG	TSA	TOFA	TESM	LIGHTING	OBJECTS INSIDE TSA AND TOFA	SEPARATION FROM TAXIWAY CL TO FIXED MOVABLE OBJECT
ΤΑΧΙΨΑΥ Α	75	30		5	118	186	15	MITL	N/A	81
TAXIWAY A1	75	30		5	118	186	15	MITL	N/A	81
TAXIWAY A2	75	30		5	118	186	15	MITL	N/A	82
TAXIWAY A3	75	30		5	118	186	15	MITL	N/A	82
TAXIWAY A5	75	30		5	118	186	15	MITL	N/A	82
TAXIWAY C	75	30		5	118	186	15	MITL	N/A	81
TAXIWAY D	75	30		5	118	186	15	MITL	N/A	81
TAXIWAY D1	75	30		5	118	186	15	MITL	N/A	81
TAXIWAY D2	150	30		5	118	186	15	MITL	N/A	81
TAXIWAY D3*	150	30		5	118	186	15	MITL	N/A	81
TAXIWAY D4*	90	30		5	118	186	15	MITL	N/A	81
TAXIWAY D5	95	30		5	118	186	15	MITL	N/A	81
TAXIWAY D6	90	30		5	118	186	15	MITL	N/A	81
TAXIWAY D7	90	30		5	118	186	15	MITL	N/A	81
TAXIWAY E	50	20		3	118	186	10	MITL	N/A	81
TAXIWAY E1	50	20		3	118	186	10	MITL	N/A	81
TAXIWAY E2	50	20		3	118	186	10	MITL	N/A	81
TAXIWAY E3	50	20		3	118	186	10	MITL	N/A	81
TAXIWAY E4	50	20	Ш	3	118	186	10	MITL	N/A	81

				FUTL	JRE TA	AXIWA`	Y DATA	4		
NAME	WIDTH	SHOULDER	ADG	TDG	TSA	TOFA	TESM	LIGHTING	OBJECTS INSIDE TSA AND TOFA	SEPARATION FROM TAXIWAY CL TO FIXED MOVABLE OBJECT
TAXIWAY A2(F)*	75	30		5	118	186	15	MITL	N/A	93
TAXIWAY A4	75	30	III	5	118	186	15	MITL	N/A	93
TAXIWAY D1(F)	75	30	III	5	118	186	15	MITL	N/A	93
TAXIWAY D2(F)*	75	30	III	5	118	186	15	MITL	N/A	93
TAXIWAY D4(F)*	75	30	III	5	118	186	15	MITL	N/A	93
TAXIWAY D8	75	30	III	5	118	186	15	MITL	N/A	93
TAXIWAY G	35	15	III	2	118	131	7.5	MITL	N/A	65.5
TAXIWAY G1	35	15	III	2	118	131	7.5	MITL	N/A	65.5
TAXIWAY G2	35	15		2	118	131	7.5	MITL	N/A	65.5
* Future Taxiway/Ta	xilanes will	be renamed follo	wing conve	ntions in FA	A Enginee	ring Brief No	o. 89			

					RUNWAY DATA							
	RUNW	/AY 3L	RUNWAY 21	R	RUNWAY 3	R	RUNWAY	21L	RUNWAY 1	12	RUNWA	Y 30
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
UTILITY/OTHER THAN UTILITY	OTHER TH	AN UTILITY	OTHER THAN UT	ILITY	UTILITY		UTILIT	Ý	OTHER THAN U	ITILITY	OTHER THAN	N UTILITY
RUNWAY DESIGN CODE	C-III-4000	D-III-2400	C-III-2400	D-III-2400	B-II-VIS	SAME	B-II-VIS	SAME	C-III-4000	D-111-4000	C-III-4000	D-III-2400
RUNWAY REFERENCE CODE	C-III-4000	D-III-2400	C-III-2400	D-III-2400	B-II-VIS	SAME	B-II-VIS	SAME	C-III-4000	D-111-4000	C-III-4000	D-III-2400
STRENGTH BY WHEEL LOADING (IN 1000 LBS.)	S-150, DWL-200, DTWL-400	) SAME	S-150, DWL-200, DTWL-400	SAME	S-52, DWL 85, DTWL 150	SAME	S-52, DWL 85, DTWL 150	SAME	S-150, DWL-200, DTWL-400	SAME	S-150, DWL-200, DTWL-400	SAME
STRENGTH BY PCN	47 F/B/X/T	SAME	47 F/B/X/T	SAME	13 /F/B/X/T	SAME	13 /F/B/X/T	SAME	53 /F/C/X/T	SAME	53 /F/C/X/T	SAME
RUNWAY SURFACE TYPE	GROOVED	ASPHALT	GROOVED ASPH	HALT	ASPHALT		ASPHAI	T	GROOVED ASF	PHALT	GROOVED A	SPHALT
EFFECTIVE RUNWAY GRADIENT %	0.11%	SAME	0.11%	SAME	0.02%	SAME	0.02%	SAME	0.08%	0.07%	0.08%	0.07%
RUNWAY LENGTH AND WIDTH	7,707' x 150'	7,707' x 150'	7,707' x 150'	7,707' x 150'	4,423' x 75'	SAME	4,423' x 75'	SAME	7,704' x 150'	9,200' X 150'	7,704' x 150'	9,200' X 150'
RUNWAY SHOULDER WIDTH	25'	SAME	25'	SAME	25'	SAME	25'	N/A	25'	SAME	25'	SAME
	N/A	N/A	N46° 16' 10.437"	SAME	N/A	N/A	N/A	N/A	N/A	N/A	N46° 15' 31.462"	N/A
DISPEACED MIRESHOLD COORDINATES	N/A	N/A	W119° 6' 48.113"	SAME	N/A	N/A	N/A	N/A	N/A	N/A	W119° 06' 26.156"	N/A
DISPLACED THRESHOLD ELEVATION	N/A	SAME	401.8 FEET	SAME	N/A	SAME	N/A	SAME	N/A	SAME	402.1 FEET	N/A
RUNWAY SAFETY AREA LENGTH BEYOND RW END	1,000 FEET	SAME	1,000 FEET	SAME	300 FEET	SAME	300 FEET	SAME	1,000 FEET	SAME	1,000 FEET	SAME
RUNWAY SAFETY AREA WIDTH	500 FEET	SAME	500 FEET	SAME	150 FEET	SAME	150 FEET	SAME	500 FEET	SAME	500 FEET	SAME
	N46° 15' 21.446"	SAME	N46° 16' 14.552"	SAME	N46° 15' 38.356"	SAME	N46° 16' 08.827"	SAME	N46° 16' 24.510"	N46° 16' 37.568"	N46°15' 30.048"	N46° 15' 32.523"
	W119° 08' 00.570"	SAME	W119° 06' 42.025"	SAME	W119° 07' 19.268"	SAME	W119° 06' 34.184"	5AME	W119° 07' 40.691"	W119° 07' 59.046"	W119°06' 24.167"	W119° 06' 27.643"
RUNWAY END ELEVATIONS	409.8	SAME	401.3	SAME	402.9	SAME	403.8	SAME	395.6	395.5	402.0	402.2
RUNWAY LIGHTING TYPE	HIRL	SAME	HIRL	SAME	N/A	SAME	N/A	SAME	MIRL	SAME	MIRL	SAME
RUNWAY PROTECTION ZONE DIMENSIONS	1,000' X 1,700' X 1,510'	1,000' X 2,500' X 1,750'	1,000' X 2,500' X 1,750'	SAME	500' X 1,000' X 700'	SAME	500' X 1,000' X 700'	SAME	1,000' X 1,700' X 1,510'	SAME	1,000' X 1,700' X 1,510'	1,000' X 1,700' X 2,500'
RUNWAY MARKING TYPE	NON-PRECISION	PRECISION	PRECISION	SAME	BASIC	SAME	BASIC	SAME	NON-PRECISION	SAME	NON-PRECISION	PRECISION
14 CFR PART 77 APPROACH CATEGORY	D	PIR	PIR	SAME	B(V)	SAME	B(V)	SAME	D	SAME	D	PIR
14 CFR PART 77 APPROACH SLOPE	34:1	50:1 / 40:1	50:1 / 40:1	SAME	20:1	SAME	20:1	SAME	34:1	SAME	34:1	50:1 / 40:1
APPROACH VISIBILITY MINIMUMS	3/4 MILE	1/2 MILE	1/2 MILE	SAME	N/A	SAME	N/A	SAME	3/4 MILE	SAME	3/4 MILE	1/2 MILE
TYPE OF AERONAUTICAL SURVEY REQUIRED	VERTICALLY GUIDED	SAME	VERTICALLY GUIDED	SAME	VISUAL	SAME	VISUAL	SAME	VERTICALLY GUIDED	SAME	VERTICALLY GUIDED	SAME
RUNWAY DEPARTURE SURFACE	YES	SAME	YES	SAME	NO	SAME	NO	SAME	YES	SAME	YES	SAME
RUNWAY OBJECT FREE AREA LENGTH BEYOND RW END	1,000 FEET	SAME	1,000 FEET	SAME	300 FEET	SAME	300 FEET	SAME	1,000 FEET	SAME	1,000 FEET	SAME
RUNWAY OBJECT FREE AREA WIDTH	800 FEET	SAME	800 FEET	SAME	500 FEET	SAME	500 FEET	SAME	800 FEET	SAME	800 FEET	SAME
OBSTACLE FREE ZONE LENGTH BEYOND RW END	200 FEET	SAME	200 FEET	SAME	200 FEET	SAME	200 FEET	SAME	200 FEET	SAME	200 FEET	SAME
OBSTACLE FREE ZONE WIDTH	400 FEET	SAME	400 FEET	SAME	250 FEET	SAME	250 FEET	SAME	400 FEET	SAME	400 FEET	SAME
THRESHOLD SITING SURFACE	TYPE 4	TYPE 5	TYPE 5	SAME	TYPE 3	SAME	TYPE 3	SAME	TYPE 4	SAME	TYPE 4	TYPE 5
INNER APPROACH OBSTACLE FREE ZONE LENGTH	N/A	200' FROM RUNWAY THRESHOLD X 200' BEYOND LAST LIGHT IN THE ALS	200' FROM RUNWAY THRESHOLD X 200' BEYOND LAST LIGHT IN THE ALS	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	200' FROM RUNWAY THRESHOLD X 200' BEYOND LAST LIGHT IN THE ALS
INNER APPROACH OBSTACLE FREE ZONE WIDTH	N/A	400 FEET	400 FEET	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	400 FEET
INNER-TRANSITIONAL OBSTACLE FREE ZONE WIDTH	N/A	810 FEET*	860 FEET*	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	856 FEET*
PRECISION OBSTACLE FREE ZONE DIMENSIONS	N/A	200' X 800'	200' X 800'	SAME	N/A	SAME	N/A	SAME	N/A	SAME	N/A	200' X 800'
VISUAL AND INSTRUMENT NAVAIDS	REIL, PAPI, LOC	MALSR, REIL, PAPI, LOC,	MALSR, PAPI, GS, RVR(T)	SAME	N/A	SAME	N/A	SAME	REIL, VASI	REIL, PAPI	ODALS, PAPI	MASLR, PAPI
TOUCHDOWN ZONE ELEVATIONS	410.1	SAME	403.4	SAME	404.7	SAME	404.7	SAME	401.8	396.9	405.2	SAME
TAXIWAY DESIGN GROUP	TDG 5	TDG 3	TDG 5	TDG 3	TDG 2	SAME	TDG 2	SAME	TDG 5	TDG 3	TDG 5	TDG 3
PARALLEL/CONNECTOR TAXIWAY WIDTH	75 FEET	SAME	75 FEET	SAME	75 FEET	SAME	75 FEET	SAME	75 FEET	SAME	75 FEET	SAME
RUNWAY CL TO TAXIWAY CL SEPARATION	400 FEET	SAME	400 FEET	SAME	400 FEET	SAME	400 FEET	SAME	400 FEET	SAME	400 FEET	SAME
RUNWAY CL TO HOLDLINE SEPARATIONS	250 FEET	SAME	250 FEET**	250 FEET	200 FEET***	SAME	200 FEET***	SAME	250 FEET	SAME	250 FEET	SAME
RUNWAY CL TO AIRCRAFT PARKING SEPARATIONS	500 FEET	SAME	500 FEET	SAME	500 FEET	SAME	500 FEET	SAME	500 FEET	SAME	500 FEET	SAME
VERTICAL AND HORIZONTAL DATUM		NAVD88,	NAD83	•		NAVD	88, NAD83	•		NAVE	088, NAD83	•
CRITICAL AIRCRAFT	A319	737 MAX 8	A319	737 MAX 8	BEECHCRAFT KING AIR	SAME	BEECHCRAFT KING AIR	SAME	A319	737 MAX 8	A319	737 MAX 8
WINGSPAN	111.9 FEET	117.85 FEET	111.9 FEET	117.85 FEET	57.92 FEET	SAME	57.92 FEET	SAME	111.9 FEET	117.85 FEET	111.9 FEET	117.85 FEET
TAIL HEIGHT	39.7 FEET	40.85 FEET	39.7 FEET	40.85 FEET	14.34 FEET	SAME	14.34 FEET	SAME	39.7 FEET	40.85 FEET	39.7 FEET	40.85 FEET
APPROACH SPEED	126 KNOTS	143 KNOTS	126 KNOTS	143 KNOTS	107 KNOTS	SAME	107 KNOTS	SAME	126 KNOTS	143 KNOTS	126 KNOTS	143 KNOTS
MAIN GEAR WIDTH	29.4 FEET	22.98 FEET	29.4 FEET	22.98 FEET	17.17 FEET	SAME	17.17 FEET	SAME	29.4 FEET	22.98 FEET	29.4 FEET	22.98 FEET
COCKPIT TO MAIN GEAR	44.9 FEET	56.43 FEET	44.9 FEET	56.43 FEET	16.25 FEET	SAME	16.25 FEET	SAME	44.9 FEET	56.43 FEET	44.9 FEET	56.43 FEET
MAXIMUM TAKEOFF WEIGHT	168,653 LBS	181,200 LBS	168,653 LBS	181,200 LBS	12,600 LBS	SAME	12,600 LBS	SAME	168,653 LBS	181,200 LBS	168,653 LBS	181,200 LBS

ROM RUNWAY CENTERLINE \*\*NOT ALL EXISTING HOLDING POSITIONS LINES TO C-III STANDARD OF 250'. EXCEEDING NON-STANDARD CONDITION WILL BE RECTIFIED AND STANDARD DIMENSION WILL BE PROVIDED \*\*\*NOT ALL EXISTING HOLDING POSITION LINES TO B-II STANDARD OF 200'. EXCEEDING NON-STANDARD CONDITION WILL BE RECITIFIED AND STANDARD DIMENSION WILL BE PROVIDED

EXISTING DECLARED DISTANCES									
ITEM	RUNWAY 3L	RUNWAY 21R	RUNWAY 3R	RUNWAY 21L	RUNWAY 12	RUNWAY 30			
TAKEOFF RUN AVAILABLE (TORA)	7,707 FEET	7,707 FEET	4,423 FEET	4,423 FEET	7,704 FEET	7,704 FEET			
TAKEOFF DISTANCE AVAILABLE (TODA)	7,707 FEET	7,707 FEET	4,423 FEET	4,423 FEET	7,704 FEET	7,704 FEET			
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	7,707 FEET	7,707 FEET	4,423 FEET	4,423 FEET	7,504 FEET	7,704 FEET			
LANDING DISTANCE AVAILABLE (LDA)	7,707 FEET	7,110 FEET	4,423 FEET	4,423 FEET	7,504 FEET	7,504 FEET			

FUTURE DECLARED DISTANCES									
ITEM	RUNWAY 3L	RUNWAY 21R	RUNWAY 3R	RUNWAY 21L	RUNWAY 12	RUNWAY 30			
TAKEOFF RUN AVAILABLE (TORA)	7,707 FEET	7,707 FEET	4,423 FEET	4,423 FEET	9,200 FEET	9,200 FEET			
TAKEOFF DISTANCE AVAILABLE (TODA)	7,707 FEET	7,707 FEET	4,423 FEET	4,423 FEET	9,200 FEET	9,200 FEET			
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	7,707 FEET	7,707 FEET	4,423 FEET	4,423 FEET	9,200 FEET	9,200 FEET			
LANDING DISTANCE AVAILABLE (LDA)	7,707 FEET	7,110 FEET	4,423 FEET	4,423 FEET	9,200 FEET	9,200 FEET			

(										
MODIFICATION OF STANDARDS										
NO.	DESCRIPTION	STANDAF	RD EX	ISTING	DISPOSITION	PROPOSED	APPROVED			
1	NONE REQUIRED									
2										
3										
4										
		Ν	IONSTAI	NDARD	CONDITION	S				
		R	C							
ITEM	DESCRIPTION	EXISTING	FUTURE	EXISTIN	IG CONDITIONS	STANDARD	Γ.			
1	RUNWAY 30 RUNWAY SAFETY AREA (RSA) LENGTH	C-III-4000	D-111-2400		800'	1000'	CONDITION RUNWAY EN 350' TO			

	AIRPORT DATA		
	EXISTING	FUTURE	
AIRPORT REFERENCE CODE	C-111	D-III	
MEAN MAX. TEMPERATURE (HOTTEST MONTH)	91.3°F	N/A	
AIRPORT ELEVATION (AMSL NAVD88)	410.2	410.2	
ELECTRONIC NAVIGATION AIDS	ILS, RNAV GPS, VOR, NDB	ILS, RNAV GPS, VOR	
UNICOM (MHz)	122.950	SAME	
CONTROL TOWER (MHz)*	135.3 323.3	135.3 323.4	
	N46° 15' 52"	N46° 15' 55.77"	
AIRFORT REFERENCE FOINT (ARF)	W119° 07' 10"	W119° 07' 13.87"	
MISCELLANEOUS FACILITIES	PAPI, VASI, REIL, ASOS, WINDCONE	PAPI, REIL, ASOS, WINDCONE	
CRITICAL AIRCRAFT	A319	737 MAX 8	
AIRPORT MAGNETIC VARIATION (FEB 2020)	14° 35' E ± 0° 23'	0° 6' W ANNUAL RATE OF CHANGE	
NPIAS CATEGORY	PRIMARY COMMERCIAL / NONHUB	SAME	
STATE EQUIVALENT SERVICE ROLE	COMMERCIAL SERVICE	SAME	



PERCENT WIND COVERAGE									
Runway	10.5 Knots (12 mph)	13 Knots (15 mph)	16 Knots (18.5 mph)	20 Knots (23 mph)					
12/30	89.32%	92.62%	96.48%	98.78%					
3/21	96.78%	98.20%	99.52%	99.90%					
Combined 99.47% 99.84% 99.96% 99.99%									

Source: FAA AGIS

National Climatic Data Center Station: 727845 Tri-Cities Airport Period: 2008-2017 Number of Observations: 93,210



PERCENT WIND COVERAGE									
Runway	10.5 Knots (12 mph)	13 Knots (15 mph)	16 Knots (18.5 mph)	20 Knots (23 mph)					
12/30	98.93%	99.22%	99.48%	99.71%					
3/21	96.68%	97.97%	99.47%	99.88%					
Combined	99.62%	99.84%	99.95%	100.00%					

Source: FAA AGIS

National Climatic Data Center Station: 727845 Tri-Cities Airport Period: 2008-2017

Number of Observations: 8,419





## ACTIVE AIRFIELD PAVEMENT / SHOULDER AIRPORT PROPERTY AVIGATION EASEMENT RUNWAY SAFETY AREA (RSA) RUNWAY PROTECTION ZONE (RPZ) = RUNWAY OBJECT FREE AREA (ROFA) OBSTACLE FREE ZONE (OFZ) RUNWAY VISIBILITY ZONE (RVZ) BUILDING RESTRICTION LINE (BRL) FAR PART 77 APPROACH SURFACE THRESHOLD SITING SURFACE (TSS) TAXIWAY / LANE MARKING TAXIWAY OBJECT FREE AREA (TOFA) INNER TRANSITIONAL OFZ BUILDING

		RUNWAY 3L EXISTING IN	NER APPROACH	H SURFACE OBS	TRUCTIONS	
NO.	OBJECTID	OBSTRUCTION	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION
1		FENCE	8.0	411.0	-17.1	
2		ROAD 36	15.0	420.3	-9.0	
3	1455	TREE	31.3	436.7	5.0	TO BE LOWERED/REMOVED
4	2483	TREE	28.8	431.9	-2.4	TO BE LOWERED/REMOVED
5	2484	TREE	26.0	429.9	-7.1	TO BE LOWERED/REMOVED
6	2485	TREE	28.2	432.1	-7.2	TO BE LOWERED/REMOVED
7		FENCE	8.0	413.0	-26.1	
8		ARGENT ROAD	15.0	421.7	-20.4	
9	2487	TREE	76.8	475.2	33.0	TO BE LOWERED/REMOVED
10	1557	POLE	29.6	436.5	-6.7	*TO BE LOWERED/REMOVED/LIGHTED
11	1553	TREE	27.6	434.7	-10.9	TO BE LOWERED/REMOVED
12		FENCE @ CL.	8.0	412.2	-34.3	
13		FWY. ON RAMP	17.0	412.0	-34.9	
14	1558	POLE	30.1	436.8	-10.2	*TO BE LOWERED/REMOVED/LIGHTED
15		ROAD 36 @ CL.	15.0	422.2	-25.7	
16	1556	POLE	31.1	437.5	-12.7	*TO BE LOWERED/REMOVED/LIGHTED
17	1468	TREE	86.8	487.4	36.7	TO BE LOWERED/REMOVED
18		INT. 182 NORTH BOUND	17.0	413.0	-37.9	
19	1431	TREE	38.2	444.1	-7.1	TO BE LOWERED/REMOVED
20	1432	TREE	33.6	440.3	-11.9	TO BE LOWERED/REMOVED
21	186	TREE	90.2	488.9	36.2	TO BE LOWERED/REMOVED
22		INT. 182 SOUTH BOUND	17.0	411.2	-43.1	
23	1469	TREE	86.8	486.6	31.8	TO BE LOWERED/REMOVED
24		INT. 182 NORTH BOUND @ CL.	17.0	413.0	-46.0	
25		INT. 182 SOUTH BOUND @ CL.	17.0	413.0	-49.8	
26		ARGENT ROAD	15.0	413.5	-51.1	
27		INT. 182 NORTH BOUND	17.0	413.1	-55.5	
28		INT. 182 SOUTH BOUND	17.0	413.1	-59.4	

RUNWAY 3L EXISTING THRESHOLD SITING SURFACE OBSTRUCTIONS									
NO.	OBSTRUCTION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATIO	N PROPOSED ACTION			
		NO THF							
		JUNFAU	SURFACE PENETRATIONS $$						

NOTES:

- 1. OBJECT ELEVATIONS IN FEET (NAVD88). 2. OBSTRUCTION ELEVATIONS ARE FOR PLANNING PURPOSES ONLY AND WERE NOT
- SURVEYED. ACTUAL ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY PROPOSED DESIGN OR CONSTRUCTION WORK.
- PUBLIC NON-INTERSTATE ROADWAYS, 17' ADDED TO INTERSTATE ROADWAYS, AND 23' ADDED TO RAILWAYS TO DETERMINE CLEARANCE PER FAR PART 77 CRITERIA.
- WHERE FEASIBLE.
- 5. AIRPORT MAINTENANCE ROAD ACCESS ONLY.

MAGNETIC DECLINATION: 14° 33' EAST (±0° 23') ANNUAL CHANGÈ: 0° 6' WEST JULY 2020

DRAWIN	DRAWING LEGEND								
EXISTING			EXISTING						
		LIGHTS (EDGE / GROUP / REIL / MALSR)	¥/XXXX/¥/—						
		PRECISION APPROACH PATH INDICATOR (PAPI)							
		RUNWAY / TAXIWAY SIGN							
		WIND CONE							
RSA		GLIDE SLOPE ANTENNA	•						
RPZ		GLIDE SLOPE CRITICAL AREA (GCA)	GCA						
ROFA		LOCALIZER							
OFZ		LOCALIZER CRITICAL AREA (LCA)	LCA						
RVZ		AUTO. SURFACE OBSERVING SYSTEM (ASOS)							
BRL		ASOS CRITICAL AREA (ACA)	ACA						
P77		RUNWAY VISUAL RANGE (RVR)	N/A						
TSS		PUBLIC ROAD							
		GRAVEL ROAD							
TOFA		RAILROAD							
		FENCE / GATE	XX						
		CHANNEL / DITCH							
		TERRAIN CONTOUR	/450'/						

3. 10' ADDED TO THE ELEVATIONS OF PRIVATE ROADWAYS, 15' ADDED TO THE ELEVATIONS OF

4. THE AIRPORT WILL CONTINUE TO WORK TOWARDS REMOVING EXISTING ROADS WITHIN RPZ









R EXISTING/FUTURE THRESHOLD SITING SURFACE OBSTRUCTIONS									
RFACE TRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION					
	INESH	JLD SII							
IREACE PENETRATIONS									

IN	/AY 21R EXISTING/FU	TURE INNER A	PPROACH SURFAG			
	SURFACE PENETRATED	ABOVE GROUND	TOP	PENETRATION	PROPOSED ACTION	Mead and Hunt, Inc.
	APPROACH	0.0	426.0	5.3	TO BE LOWERED	Suite 100
	APPROACH	8.0	413.6	-8.7		Dertland OR 07220
	APPROACH	8.0	428.2	-2.2		
	APPROACH	15.0	437.8	6.6	*TO BE DETERMINED	pnone: 503-548-1494
	APPROACH	23.0	445.4	0.7	*TO BE DETERMINED	meadhunt.com
	APPROACH	23.0	445.3	12.4	*TO BE DETERMINED	
	APPROACH	8.0	427.3	-8.0		
	APPROACH	26.4	450.7	1.5	*TO BE LOWERED/REMOVED/LIGHTED	
	APPROACH	15.0	439.0	1.9	*TO BE DETERMINED	
	APPROACH	8.0	414.3	-25.6		I TRI-CITIES
	APPROACH	23.0	445.1	4.7	*TO BE DETERMINED	
	APPROACH	15.0	431.8	-8.9		
	APPROACH	59.7	483.2	24.9	*TO BE LOWERED/REMOVED/LIGHTED	
	APPROACH	28.7	461.9	3.3	*TO BE LOWERED/REMOVED/LIGHTED	
	APPROACH	37.9	459.7	0.7	*TO BE LOWERED/REMOVED/LIGHTED	
	APPROACH	27.7	464.0	4.8	*TO BE LOWERED/REMOVED/LIGHTED	The preparation of this document may have been supported in part through the Airport Improvement
	APPROACH	36.9	460.9	1.0	*TO BE LOWERED/REMOVED/LIGHTED	Program financial assistance from the Federal Aviation
	APPROACH	23.0	437.1	-11.9		Section 47104. The contents do not in any way
	APPROACH	53.4	478.9	15.8	*TO BE LOWERED/REMOVED/LIGHTED	constitute a commitment on the part of the United States to participate in any development depicted
	APPROACH	48.6	473.9	10.7	*TO BE LOWERED/REMOVED/LIGHTED	therein nor does it indicate that the proposed
	APPROACH	44.0	468.9	5.4	*TO BE LOWERED/REMOVED/LIGHTED	have justification in accordance with appropriate
	APPROACH	44.3	466.8	3.1	*TO BE LOWERED/REMOVED/LIGHTED	public laws.
	APPROACH	44.6	466.1	2.0	*TO BE LOWERED/REMOVED/LIGHTED	
	APPROACH	49.0	472.6	8.2	*TO BE LOWERED/REMOVED/LIGHTED	
	APPROACH	46.6	470.9	6.1	*TO BE LOWERED/REMOVED/LIGHTED	
	APPROACH	43.0	469.9	4.4	*TO BE LOWERED/REMOVED/LIGHTED	
	APPROACH	40.3	468.4	2.1	*TO BE LOWERED/REMOVED/LIGHTED	



Mead



RL	JNWAY 3L FUTURE TH	IRESHOLD SIT	FING SURFACE OB	STRUCTIONS	
BSTRUCTION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION
TREE	THRESHOLD SITING	398.7	486.6	36.2	TO BE REMOVED
TREE	THRESHOLD SITING	400.6	487.4	36.8	TO BE REMOVED
				FUTURE EN RUNWAY 3L ELEV: 409.8	· · · · · · · · · · · · · · · · · · ·

	EXISTING		EXISTING
CTIVE AIRFIELD PAVEMENT / SHOULDER		BEACON	*
IRPORT PROPERTY		PRECISION APPROACH PATH INDICATOR (PAPI)	
VIGATION EASEMENT		RUNWAY / TAXIWAY SIGN	
UNWAY SAFETY AREA (RSA)		WIND CONE	
UNWAY PROTECTION ZONE (RPZ)		GLIDE SLOPE ANTENNA	4
UNWAY OBJECT FREE AREA (ROFA)	ROFA	GLIDE SLOPE CRITICAL AREA (GCA)	GCA
BSTACLE FREE ZONE (OFZ)	OFZ	LOCALIZER	
UNWAY VISIBILITY ZONE (RVZ)		LOCALIZER CRITICAL AREA (LCA)	LCA
UILDING RESTRICTION LINE (BRL)	BRL	AUTO. SURFACE OBSERVING SYSTEM (ASOS)	
AR PART 77 APPROACH SURFACE	••••••••••••••••••••••••••••••••••••••	ASOS CRITICAL AREA (ACA)	ACA
HRESHOLD SITING SURFACE (TSS)	TSS	PUBLIC ROAD	
AXIWAY / LANE MARKING		GRAVEL ROAD	
AXIWAY OBJECT FREE AREA (TOFA)	TOFA	RAILROAD	
INER APPROACH OFZ		FENCE / GATE	XX
INER TRANSITIONAL OFZ		CHANNEL / DITCH	
UILDING		TERRAIN CONTOUR	/ 450' /
IGHTS (EDGE / GROUP / REIL / MALSR)	x / XNNK / ¥ /		

RUNWAY 3L FUTURE APPROACH SURFACE OBSTRUCTIONS									
NO.	OBJECTID	OBSTRUCTIONS	SURFACE PENTRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION		
1		FENCE	APPROACH	8.0	411.0	-11.3			
2		ROAD 36	APPROACH	15.0	420.3	-2.8			
3	3 1455 TREE		APPROACH	31.3	436.7	12.0	TO BE LOWERED/REMOVED		
4	2483	TREE	APPROACH	28.8	431.9	5.4	TO BE LOWERED/REMOVED		
5	2484	TREE	APPROACH	26.0	429.9	1.6	TO BE LOWERED/REMOVED		
6	2485	TREE	APPROACH	28.2	432.1	2.2	TO BE LOWERED/REMOVED		
7		FENCE	APPROACH	8.0	413.0	-16.8			
8		ARGENT ROAD	APPROACH	15.0	421.7	-10.1			
9	2487	TREE	APPROACH	76.8	475.2	43.3	TO BE LOWERED/REMOVED		
10	1557	POLE	APPROACH	29.6	436.5	3.9	*TO BE LOWERED/REMOVED/LIGHTED		
11	1553	TREE	APPROACH	27.6	434.7	0.5	TO BE LOWERED/REMOVED		
12		FENCE @ CL.	APPROACH	8.0	412.2	-22.6			
13		FWY. ON RAMP	APPROACH	17.0	412.0	-23.0			
14	1558	POLE	APPROACH	30.1	436.8	1.6	*TO BE LOWERED/REMOVED/LIGHTED		
15		ROAD 36 @ CL.	APPROACH	15.0	422.2	-13.5			
16	1556	POLE	APPROACH	31.1	437.5	0.2	*TO BE LOWERED/REMOVED/LIGHTED		
17	1468	TREE	APPROACH	86.8	487.4	49.8	TO BE LOWERED/REMOVED		
18		INT. 182 NORTH BOUND	APPROACH	17.0	413.0	-24.8			
19	1431	TREE	APPROACH	38.2	444.1	6.1	TO BE LOWERED/REMOVED		
20	1432	TREE	APPROACH	33.6	440.3	1.6	TO BE LOWERED/REMOVED		
21	186	TREE	APPROACH	90.2	488.9	49.9	TO BE LOWERED/REMOVED		
22		INT. 182 SOUTH BOUND	APPROACH	17.0	411.2	-28.9			
23	1469	TREE	APPROACH	86.8	486.6	46.1	TO BE LOWERED/REMOVED		
24		INT. 182 NORTH BOUND@ CL.	APPROACH	17.0	413.0	-30.3			
25		INT. 182 SOUTH BOUND@ CL.	APPROACH	17.0	413.0	-32.9			
26		ARGENT ROAD	APPROACH	15.0	413.5	-33.6			
27		INT. 182 NORTH BOUND	APPROACH	17.0	413.1	-36.7			
28		INT. 182 SOUTH BOUND	APPROACH	17.0	413.1	-39.3			

\* TO BE FURTHER STUDIED IN INDIVIDUAL AIRSPACE CASE.

## NOTES:

1. OBJECT ELEVATIONS IN FEET (NAVD88).

- 2. OBSTRUCTION ELEVATIONS ARE FOR PLANNING PURPOSES ONLY AND WERE NOT SURVEYED. ACTUAL ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY PROPOSED DESIGN OR CONSTRUCTION WORK.
- 3. 10' ADDED TO THE ELEVATIONS OF PRIVATE ROADWAYS, 15' ADDED TO THE ELEVATIONS OF PUBLIC NON-INTERSTATE ROADWAYS, 17' ADDED TO INTERSTATE ROADWAYS, AND 23' ADDED TO RAILWAYS TO DETERMINE CLEARANCE PER FAR PART 77 CRITERIA.
- WHERE FEASIBLE.
- 5. AIRPORT MAINTENANCE ROAD ACCESS ONLY.

FUTURE DRAWING LEGEND					
	FUTURE				

		FENCE	x
AD)	$\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!$	INNER APPROACH OFZ	— — — IAOFZ —
		INNER TRANSITIONAL OFZ	— — — ITOFZ —
	RSA	PRECISION APPROACH PATH INDICATOR (PAPI)	0000
	RPZ	GLIDE SLOPE ANTENNA	4
		GLIDE SLOPE CRITICAL AREA (GCA)	GCA
	OFZ	TAXIWAY OBJECT FREE AREA (TOFA)	— TOFA
	RVZ	BUILDING - ON AIRPORT	
	——————————————————————————————————————	LIGHTS (EDGE / GROUP / REIL / MALSR)	o / ∞∞ / Ծ / 💳
	<b>———</b> — <b>——Р</b> 77 <b>——</b>	PRECISION OBSTACLE FREE ZONE	
	TSS		

FUTURE





4. THE AIRPORT WILL CONTINUE TO WORK TOWARDS REMOVING EXISTING ROADS WITHIN RPZ



DETERMINE CLEARANCE PER FAR PART 77 CRITERIA. MAGNETIC DECLINATION: 14° 33' EAST (±0° 23') ANNUAL CHANGE: 0° 6' WEST JULY 2020 X

4. 10' ADDED TO THE ELEVATIONS OF PRIVATE ROADWAYS, 15' ADDED TO THE ELEVATIONS OF PUBLIC NON-INTERSTATE ROADWAYS, 17' ADDED TO INTERSTATE ROADWAYS, AND 23' ADDED TO RAILWAYS TO

- 3. AIRPORT MAINTENANCE ROAD ACCESS ONLY.
- 1. OBJECT ELEVATIONS IN FEET (NAVD88).

NOTES:

RUNWAY 3R EXISTING/FUTURE THRESHOLD SITING SURFACE OBSTRUCTIONS									
NO.	OBSTRUCTIONSURFACE PENETRATEDABOVE GROUNDTOP ELEVATIONPENETRATION					PROPOSED ACTION			

RUNWAY 3R EXISTING/FUTURE INNER APPROACH SURFACE OBSTRUCTIONS									
NO.	OBJECTID	OBSTRUCTION	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION			
1		LAND MASS	0.0	405.4	2.5	TO BE LOWERED			
2		TAXIWAY A	0.0	404.0	-13.3				
3		CONNECTOR TAXIWAY	14.3	404.4	-28.5				
4		FENCE	8.0	414.0	-27.4				
5		ACCESS ROAD	0.0	406.4	-45.8				



40

2. OBSTRUCTION ELEVATIONS ARE FOR PLANNING PURPOSES ONLY AND WERE NOT SURVEYED. ACTUAL ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY PROPOSED DESIGN OR CONSTRUCTION WORK.

	EXISTING
ACTIVE AIRFIELD PAVEMENT / SHOULDER	
AIRPORT PROPERTY	
AVIGATION EASEMENT	
AIRPORT REFERENCE POINT	$\mathbf{\Theta}$
RUNWAY SAFETY AREA (RSA)	
RUNWAY PROTECTION ZONE (RPZ)	
RUNWAY OBJECT FREE AREA (ROFA)	
OBSTACLE FREE ZONE (OFZ)	
RUNWAY VISIBILITY ZONE (RVZ)	
BUILDING RESTRICTION LINE (BRL)	BRL -
FAR PART 77 APPROACH SURFACE	••••••••••••••••••••••••••••••••••••••
THRESHOLD SITING SURFACE (TSS)	TSS
TAXIWAY / LANE MARKING	
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
BUILDING	
LIGHTS (EDGE / GROUP / REIL / MALSR)	X / X888X / ¥ / -
BEACON	*
PRECISION APPROACH PATH INDICATOR (PAPI)	
RUNWAY / TAXIWAY SIGN	
WIND CONE	
GLIDE SLOPE ANTENNA	•
GLIDE SLOPE CRITICAL AREA (GCA)	GCA
LOCALIZER	
LOCALIZER CRITICAL AREA (LCA)	LCA
AUTO. SURFACE OBSERVING SYSTEM (ASOS)	$\mathbf{N}$
ASOS CRITICAL AREA (ACA)	ACA
RUNWAY VISUAL RANGE (RVR)	N/A
PUBLIC ROAD	
GRAVEL ROAD	
RAILROAD	- <del></del>
FENCE / GATE	xx
CHANNEL / DITCH	







MAGNETIC DECLINATION:
14° 33' EAST (±0° 23')
ANNUAL CHANGE: 0° 6' WES <sup>-</sup>
JULY 2020

3. AIRPORT MAINTENANCE ROAD ACCESS ONLY.

4. 10' ADDED TO THE ELEVATIONS OF PRIVATE ROADWAYS, 15' ADDED TO THE ELEVATIONS OF PUBLIC

1. OBJECT ELEVATIONS IN FEET (NAVD88).

OBSTRUCTION

OBJECTID

NO.

3

4

5

6

7

8

9

NO.

NOTES:

DETERMINE CLEARANCE PER FAR PART 77 CRITERIA.

NON-INTERSTATE ROADWAYS, 17' ADDED TO INTERSTATE ROADWAYS, AND 23' ADDED TO RAILWAYS TO

2. OBSTRUCTION ELEVATIONS ARE FOR PLANNING PURPOSES ONLY AND WERE NOT SURVEYED. ACTUAL

ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY PROPOSED DESIGN OR CONSTRUCTION WORK.





NOT FOR CONSTRUCTION

RUNWAY 21L EXISTING/FUTURE INNER APPROACH SURFACE OBSTRUCTIONS					
OBSTRUCTION	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION	
GROUND	0.0	406.6	2.7	TO BE LOWERED	
ACCESS ROAD	0.0	425.4	-24.2		
ACCESS ROAD @ CL.	0.0	427.0	-35.5		
ACCESS ROAD	0.0	418.1	-36.8		
N. 4th AVENUE	15.0	437.7	-31.9		
N. 4th AVENUE @ CL.	15.0	437.7	-50.8		
RAILROAD @ CL.	23.0	445.4	-46.1		
N. 4th AVENUE	15.0	438.4	-48.1		
RAILROAD	23.0	445.1	-48.9		

WAY	VAY 21L EXISTING/FUTURE THRESHOLD SITING SURFACE OBSTRUCTIONS							
ION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION			
NO THRESHOLD SITING								
SURFACE PENETRATIONS								

	N. 4th AVENUE	15.0	437.7	-31.9	
	N. 4th AVENUE @ CL.	15.0	437.7	-50.8	
	RAILROAD @ CL.	23.0	445.4	-46.1	
	N. 4th AVENUE	15.0	438.4	-48.1	
	RAILROAD	23.0	445.1	-48.9	
RU	INWAY 21L EXISTING/FUTURE	THRESHOLD	SITING SURFA	CE OBSTRUCTIO	NS



HORZ

VERT

0

20 SCALE IN FEET

40





DRAWING LEGEN	D
	EXISTING
ACTIVE AIRFIELD PAVEMENT / SHOULDER	
AIRPORT PROPERTY	
AVIGATION EASEMENT	
RUNWAY SAFETY AREA (RSA)	
RUNWAY PROTECTION ZONE (RPZ)	
RUNWAY OBJECT FREE AREA (ROFA)	ROFA
OBSTACLE FREE ZONE (OFZ)	
RUNWAY VISIBILITY ZONE (RVZ)	RVZ
BUILDING RESTRICTION LINE (BRL)	BRL
FAR PART 77 APPROACH SURFACE	••••••••••••••••••••••••••••••••••••••
THRESHOLD SITING SURFACE (TSS)	TSS
TAXIWAY / LANE MARKING	
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
BUILDING - ON AIRPORT	
BUILDING - OFF AIRPORT	
MONUMENT (PACS and SACS)	
LIGHTS (EDGE / GROUP / REIL / MALSR)	X / XIIIK / ¥ / —
BEACON	*
PRECISION APPROACH PATH INDICATOR (PAPI)	
RUNWAY / TAXIWAY SIGN	1
WIND CONE	
GLIDE SLOPE ANTENNA	◀
GLIDE SLOPE CRITICAL AREA (GCA)	GCA
LOCALIZER	
LOCALIZER CRITICAL AREA (LCA)	LCA
AUTO. SURFACE OBSERVING SYSTEM (ASOS)	
ASOS CRITICAL AREA (ACA)	ACA
RUNWAY VISUAL RANGE (RVR)	N/A
PUBLIC ROAD	
GRAVEL ROAD	
RAILROAD	- <del>+++++++++++</del> -
FENCE / GATE	XX
CHANNEL / DITCH	
TERRAIN CONTOUR	/ _ 450' /

RUNWAY 12 EXISTING THRESHOLD SITING SURFACE OBSTRUCTIONS							
OBSTRUCTION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION		
	O THRE	SHOL	D SITIN				

NOTES: 1. OBJECT ELEVATIONS IN FEET (NAVD88) 2. OBSTRUCTION ELEVATIONS ARE FOR PLANNING PURPOSES ONLY AND WERE NOT SURVEYED. ACTUAL ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY PROPOSED DESIGN OR CONSTRUCTION WORK.

3. THE AIRPORT WILL CONTINUE TO WORK TOWARDS REMOVING

EXISTING ROADS WITHIN RPZ WHERE FEASIBLE. 4. AIRPORT MAINTENANCE ROAD ACCESS ONLY.





MAGNETIC DECLINATION: 14° 33' EAST (±0° 23') ANNUAL CHANGE: 0° 6' WEST JULY 2020





	RUNWAY 30 EXISTING APPROACH SURFACE OBSTRUCTIONS						
NO.	OBJECTID	OBSTRUCTION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION
10		ACCESS ROAD	APPROACH	0.0	401.9	-0.1	TO BE REMOVED
11		ACCESS ROAD	APPROACH	0.0	405.2	3.2	TO BE REMOVED
12		FENCE	APPROACH	8.0	415.8	3.0	TO REMAIN
13	929	PRIMARY ROAD	APPROACH	15.0	422.1	8.1	<b>*TO BE DETERMINED</b>
14		FENCE	APPROACH	8.0	421.9	5.5	<b>*TO BE DETERMINED</b>
15		FENCE	APPROACH	8.0	411.3	-4.8	
16		ARGENT ROAD	APPROACH	15.0	417.6	0.7	
17	680	TREE	APPROACH	27.8	440.2	14.7	*TO BE LOWERED/REMOVED
18	943	POLE	APPROACH	26.8	433.9	3.7	*TO BE LOWERED/REMOVED/LIGHTED
19	579	TREE	APPROACH	16.1	435.7	4.4	*TO BE LOWERED/REMOVED
20		FENCE @ CL.	APPROACH	8.0	410.7	-16.1	
21	59	SCRUB	APPROACH	3.9	427.4	-5.8	
22		ARGENT ROAD @ CL.	APPROACH	15.0	418.9	-8.8	
23	937	POLE	APPROACH	29.1	437.5	3.5	*TO BE LOWERED/REMOVED/LIGHTED
24	578	TREE	APPROACH	14.2	432.5	-2.0	
25	58	SCRUB	APPROACH	4.8	429.5	-5.1	
26	1188	FENCE	APPROACH	3.6	429.3	-6.8	
27	580	TREE	APPROACH	37.5	457.8	20.3	*TO BE LOWERED/REMOVED
28	936	POLE	APPROACH	32.9	440.4	0.3	*TO BE LOWERED/REMOVED/LIGHTED
29	935	POLE	APPROACH	32.7	440.5	0.4	*TO BE LOWERED/REMOVED/LIGHTED
30	577	TREE	APPROACH	16.5	441.8	0.5	*TO BE LOWERED/REMOVED
31	55	TREE	APPROACH	33.2	458.2	13.3	*TO BE LOWERED/REMOVED
32	583	TREE	APPROACH	25.3	450.7	3.3	*TO BE LOWERED/REMOVED
33	54	TREE	APPROACH	19.3	441.1	-7.0	
34	584	TREE	APPROACH	24.6	449.6	1.1	*TO BE LOWERED/REMOVED
35	576	TREE	APPROACH	32.4	459.5	8.6	*TO BE LOWERED/REMOVED
36	585	TREE	APPROACH	43.7	468.9	14.0	*TO BE LOWERED/REMOVED
37	930	POLE	APPROACH	54.6	464.6	6.4	*TO BE LOWERED/REMOVED/LIGHTED
38	586	TREE	APPROACH	36.1	459.9	-0.7	
39	587	TREE	APPROACH	40.5	463.6	-8.0	

NOTES: 1. OBJECT ELEVATIONS IN FEET (NAVD88)

2. OBSTRUCTION ELEVATIONS ARE FOR PLANNING PURPOSES ONLY AND WERE NOT SURVEYED. ACTUAL ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY PROPOSED DESIGN OR CONSTRUCTION WORK.

3. THE AIRPORT WILL CONTINUE TO WORK TOWARDS REMOVING

EXISTING ROADS WITHIN RPZ WHERE FEASIBLE.

4. AIRPORT MAINTENANCE ROAD ACCESS ONLY.

DRAWING LEGEN	D
	EXISTING
ACTIVE AIRFIELD PAVEMENT / SHOULDER	
AIRPORT PROPERTY	
AVIGATION EASEMENT	
RUNWAY SAFETY AREA (RSA)	
RUNWAY PROTECTION ZONE (RPZ)	
RUNWAY OBJECT FREE AREA (ROFA)	ROFA
OBSTACLE FREE ZONE (OFZ)	OFZ
RUNWAY VISIBILITY ZONE (RVZ)	
BUILDING RESTRICTION LINE (BRL)	BRL
FAR PART 77 APPROACH SURFACE	••••••••••••••••••••••••••••••••••••••
THRESHOLD SITING SURFACE (TSS)	TSS
TAXIWAY / LANE MARKING	
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
BUILDING - ON AIRPORT	
BUILDING - OFF AIRPORT	
MONUMENT (PACS and SACS)	Ô
LIGHTS (EDGE / GROUP / REIL / MALSR)	¥ / ¥888K / ¥ / —
BEACON	*
PRECISION APPROACH PATH INDICATOR (PAPI)	
RUNWAY / TAXIWAY SIGN	
WIND CONE	
GLIDE SLOPE ANTENNA	•
GLIDE SLOPE CRITICAL AREA (GCA)	GCA
LOCALIZER	
LOCALIZER CRITICAL AREA (LCA)	LCA
AUTO. SURFACE OBSERVING SYSTEM (ASOS)	
ASOS CRITICAL AREA (ACA)	
RUNWAY VISUAL RANGE (RVR)	N/A
PUBLIC ROAD	
GRAVEL ROAD	
RAILROAD	-+++++++++++++++++++++++++++++++++++++
FENCE / GATE	××
CHANNEL / DITCH	
TERRAIN CONTOUR	/ - 450'_ /

\* TO BE FURTHER STUDIED IN INDIVIDUAL AIRSPACE CASE.





NOT FOR CONSTRUCTION

MAGNETIC DECLINATION: 14° 33' EAST (±0° 23') ANNUAL CHANGE: 0° 6' WEST JULY 2020



	RUNWAY 12 FUTURE APPROACH SURFACE OBSTRUCTIONS						
NO.	OBJECTID	OBSTRUCTION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION
1	1164	POLE	APPROACH	39.2	429.9	31.4	TO BE REMOVED
2		FENCE @ CL.	APPROACH	8.0	392.7	-10.4	
3	2395	POLE	APPROACH	34.3	421.8	17.0	TO BE REMOVED
4	2394	POLE	APPROACH	37.8	424.3	13.4	TO BE REMOVED
5		FENCE	APPROACH	8.0	415.6	3.3	TO BE RELOCATED
6	2392	POLE	APPROACH	41.6	449.8	33.0	TO BE REMOVED
7	2393	POLE	APPROACH	28.2	443.9	25.8	TO BE REMOVED
8	1165	CONC. PAD	APPROACH	0.0	455.4	13.3	TO BE REMOVED
9	2414	POLE	APPROACH	29.8	517.1	28.6	*TO BE LOWERED/REMOVED/LIGHTED

	RUNWAY 12 FUTURE THRESHOLD SITING SURFACE OBSTRUCTIONS						
NO.	OBJECTID	OBSTRUCTION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION
1	1164	POLE	THRESHOLD SITING	39.2	429.9	29.4	TO BE REMOVED
3	2395	POLE	THRESHOLD SITING	34.3	421.8	10.5	TO BE REMOVED
4	2394	POLE	THRESHOLD SITING	37.8	424.3	2.4	TO BE REMOVED



DRAWING L	EGEND	
	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT / SHOULDER		
PAVEMENT TO BE REMOVED (AIRFIELD & ROAD)	N/A	$\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!\sim\!\!$
AIRPORT PROPERTY		N/A
RUNWAY SAFETY AREA (RSA)		——————————————————————————————————————
RUNWAY PROTECTION ZONE (RPZ)		——————————————————————————————————————
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	
OBSTACLE FREE ZONE (OFZ)		——————————————————————————————————————
RUNWAY VISIBILITY ZONE (RVZ)		
BUILDING RESTRICTION LINE (BRL)	BRL	N/A
FAR PART 77 APPROACH SURFACE		P77
THRESHOLD SITING SURFACE (TSS)		TSS
TAXIWAY / LANE MARKING		
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA	
INNER APPROACH OFZ	N/A	— — — IAOFZ —
INNER TRANSITIONAL OFZ	N/A	
BUILDING		
LIGHTS (EDGE / GROUP / REIL / MALSR)	¥/)000(/)¥/	o / ∞∞ / ∀ / 💳
BEACON	*	\$
PRECISION APPROACH PATH INDICATOR (PAPI)		0000
RUNWAY / TAXIWAY SIGN		
WIND CONE		N/A
GLIDE SLOPE ANTENNA	•	$\triangleleft$
GLIDE SLOPE CRITICAL AREA (GCA)	GCA	GCA
LOCALIZER		N/A
LOCALIZER CRITICAL AREA (LCA)	LCA	N/A
AUTO. SURFACE OBSERVING SYSTEM (ASOS)		N/A
ASOS CRITICAL AREA (ACA)	ACA	N/A
RUNWAY VISUAL RANGE (RVR)	N/A	
PUBLIC BOAD		N/A
		N/A
GRAVEL ROAD		
GRAVEL ROAD AIRPORT ACCESS ROAD	N/A	
GRAVEL ROAD AIRPORT ACCESS ROAD RAILROAD	N/A	N/A
GRAVEL ROAD AIRPORT ACCESS ROAD RAILROAD FENCE / GATE	N/A x	N/A →x→ & → →
GRAVEL ROAD AIRPORT ACCESS ROAD RAILROAD FENCE / GATE CHANNEL / DITCH	N/A 	N/A x

\* TO BE FURTHER STUDIED IN INDIVIDUAL AIRSPACE CASE.

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 NOTES:
 OBJECT ELEVATIONS IN FEET (NAVD88)
 OBSTRUCTION ELEVATIONS ARE FOR PL/ WERE NOT SURVEYED. ACTUAL ELEVATI/ VERIFIED PRIOR TO ANY PROPOSED DES
 AUDORT MAINTENIANCE BOAD ACCESS IRPOSES ONLY AND LD BE FIELD INSTRUCTION WORK. 3. AIRPORT MAI

THE AIRPORT WILL CONTINUE TO WORK TOWARDS REMOVING EXISTING ROADS WITHIN RPZ WHERE FEASIBLE.
 TERMINATE IN FUTURE OR RELOCATE.

Mead and H 9600 NE Casca Suite Portland, C phone: 503- meadhur	Hunt, Inc. des Parkway, 100 PR 97220 548-1494 ht.com
	-CITIES
The preparation of this dou supported, in part, through Program financial assistance Administration as provided Section 47104. The conte constitute a commitment or States to participate in any therein nor does it indic development is environment have justification in accompublic laws.	cument may have been the Airport Improvement from the Federal Aviation under Title 49 U.S.C., nts do not in any way h the part of the United / development depicted ate that the proposed ally acceptable or would dance with appropriate
TRI-CITIES AIRPORT LAYOUT PLAN	3601 North 20th Avenue Pasco, Washington 99301
BV     DESCRIPTION       ALP Update as part of Master Plan     SMF       10000     SMF       12/22/	500-172210.01 mbor 2020
DATE: Dece DESIGNED BY: MH DRAWN BY: TE CHECKED BY: KM DO NOT SCALE SHEET CONTENTS RUNWAY APPRO SURFACE ( SHEET NO.	DRAWINGS 12 INNER DACH (FUTURE)
	f 26

ON ELEVATIONS ARE FOR PLANNING PURI
URVEYED. ACTUAL ELEVATIONS SHOULD
IOR TO ANY PROPOSED DESIGN OR CON
INTENANCE ROAD ACCESS ONLY.
T WILL CONTINUE TO WORK TOWARDS BE



		RUNWAY	30 FUTURE APPROAC	URE APPROACH SURFACE OBSTRUCTIONS				
NO.	OBJECTID	OBSTRUCTION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION	
10		FUTURE ACCESS ROAD	APPROACH	0.0	405.6	-7.5		
11		FUTURE ACCESS ROAD	APPROACH	0.0	412.5	-0.8		
12		FENCE	APPROACH	8.0	413.2	-2.6		
13	929	PRIMARY ROAD	APPROACH	15.0	422.1	5.2	*TO BE LOWERED/REMOVED	
14	1193	FENCE	APPROACH	4.0	426.8	8.6	*TO BE LOWERED/REMOVED	
15		FENCE	APPROACH	8.0	411.3	-7.2		
16		ARGENT ROAD	APPROACH	15.0	417.6	-1.5		
17	680	TREE	APPROACH	27.8	440.2	19.0	*TO BE LOWERED/REMOVED	
18	943	POLE	APPROACH	26.8	433.9	9.6	*TO BE LOWERED/REMOVED/LIGHTED	
19	579	TREE	APPROACH	16.1	435.7	10.6	*TO BE LOWERED/REMOVED	
20		FENCE @ CL.	APPROACH	8.0	410.7	-15.5		
21	59	SCRUB	APPROACH	3.9	427.4	1.0	TO BE REMOVED	
22		ARGENT ROAD @ CL.	APPROACH	15.0	418.9	-7.9		
23	937	POLE	APPROACH	29.1	437.5	10.5	*TO BE LOWERED/REMOVED/LIGHTED	
24	578	TREE	APPROACH	14.2	432.5	5.2	*TO BE LOWERED/REMOVED	
25	58	SCRUB	APPROACH	4.8	429.5	2.1	TO BE REMOVED	
26	1188	FENCE	APPROACH	3.6	429.3	1.0	*TO BE LOWERED/REMOVED	
27	580	TREE	APPROACH	37.5	457.8	28.5	*TO BE LOWERED/REMOVED	
28	936	POLE	APPROACH	32.9	440.4	9.3	*TO BE LOWERED/REMOVED/LIGHTED	
29	935	POLE	APPROACH	32.7	440.5	9.4	*TO BE LOWERED/REMOVED/LIGHTED	
30	577	TREE	APPROACH	16.5	441.8	9.9	*TO BE LOWERED/REMOVED	
31	55	TREE	APPROACH	33.2	458.2	23.8	*TO BE LOWERED/REMOVED	
32	583	TREE	APPROACH	25.3	450.7	14.6	*TO BE LOWERED/REMOVED	
33	54	TREE	APPROACH	19.3	441.1	4.5	*TO BE LOWERED/REMOVED	
34	584	TREE	APPROACH	24.6	449.6	12.8	*TO BE LOWERED/REMOVED	
35	576	TREE	APPROACH	32.4	459.5	21.1	*TO BE LOWERED/REMOVED	
36	585	TREE	APPROACH	43.7	468.9	27.8	*TO BE LOWERED/REMOVED	
37	930	POLE	APPROACH	54.6	464.6	21.2	*TO BE LOWERED/REMOVED/LIGHTED	
38	586	TREE	APPROACH	36.1	459.9	14.9	*TO BE LOWERED/REMOVED	
39	587	TREE	APPROACH	40.5	463.6	11.1	*TO BE LOWERED/REMOVED	

\* TO BE FURTHER STUDIED IN INDIVIDUAL AIRSPACE CASE.



NOTES: 1. OBJECT ELEVATIONS IN FEET (NAVD88) 2. OPSTRUCTION ELEVATIONS ARE FOR RU

 OBSTRUCTION ELEVATIONS ARE FOR PLANNING PURPOSES ONLY AND WERE NOT SURVEYED. ACTUAL ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY PROPOSED DESIGN OR CONSTRUCTION WORK.
 APPORT MAINTENANCE POAD ACCESS ONLY

 AIRPORT MAINTENANCE ROAD ACCESS ONLY.
 THE AIRPORT WILL CONTINUE TO WORK TOWARDS REMOVING EXISTING ROADS WITHIN RPZ WHERE FEASIBLE.

5. TERMINATE IN FUTURE OR RELOCATE.





-			
	-	OBJECTS WIT	HIN RUNV
NO.	OBJECT	SURFACE PENETRATED	GROUN
4	RAILROAD	40:1 DEPARTURE	4
5	POLE	40:1 DEPARTURE	4
6	BUILDING	40:1 DEPARTURE	4
7	POLE	40:1 DEPARTURE	4
8	COMM TOWER	40:1 DEPARTURE	4
9	POLE	40:1 DEPARTURE	4
10	POLE	40:1 DEPARTURE	4
11	POLE	40:1 DEPARTURE	4
12	POLE	40:1 DEPARTURE	4
13	POLE	40:1 DEPARTURE	4
14	POLE	40:1 DEPARTURE	4
15	POLE	40:1 DEPARTURE	4



PENETRATION	PROPOSED ACTION
26.94	TO BE REMOVED
50.99	*TO BE DETERMINED
46.46	*TO BE DETERMINED
52.03	*TO BE DETERMINED
51.06	<b>*TO BE DETERMINED</b>
56.04	*TO BE DETERMINED
55.18	<b>*TO BE DETERMINED</b>
51.49	<b>*TO BE DETERMINED</b>
51.13	<b>*TO BE DETERMINED</b>
23.51	*TO BE DETERMINED





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NOT FOR CONSTRUCTION

		OBJECTS WITH	IN RUNWAY 12 DEPA
NO.	OBJECT	SURFACE PENETRATED	GROUND ELEVAT
11	TREE	40:1 DEPARTURE (FUTURE)	419.8
12	TREE	40:1 DEPARTURE (FUTURE)	418.6
13	TREE	40:1 DEPARTURE (FUTURE)	412.3
14	TREE	40:1 DEPARTURE (FUTURE)	422.5
15	POLE	40:1 DEPARTURE (FUTURE)	407.1
16	TREE	40:1 DEPARTURE (FUTURE)	419.6
17	POLE	40:1 DEPARTURE (FUTURE)	408.4
18	TREE	40:1 DEPARTURE (FUTURE)	418.2
19	POLE	40:1 DEPARTURE (FUTURE)	407.3
20	TREE	40:1 DEPARTURE (FUTURE)	420.3
21	TREE	40:1 DEPARTURE (FUTURE)	425.9
22	POLE	40:1 DEPARTURE (FUTURE)	407.5
23	POLE	40:1 DEPARTURE (FUTURE)	407.8
24	TREE	40:1 DEPARTURE (FUTURE)	422.8
25	TREE	40:1 DEPARTURE (FUTURE)	425.0
26	TREE	40:1 DEPARTURE (FUTURE)	425.5
27	TREE	40:1 DEPARTURE (FUTURE)	425.1
28	POLE	40:1 DEPARTURE (FUTURE)	408.7
29	TREE	40:1 DEPARTURE (FUTURE)	409.1
30	TREE	40:1 DEPARTURE (FUTURE)	432.0
31	POLE	40:1 DEPARTURE (FUTURE)	410.0
32	POLE	40:1 DEPARTURE (FUTURE)	410.2

NOT BE CONSIDERED OBSTRUCTIONS IN FUTURE ANALYSIS.



6. OBSTRUCTION DATA SOURCE: AIRPORT AND AERONAUTICAL SURVEY IN ACCORDANCE WITH ACS

ONTAL and CONICAL SURFACE OBSTRUCTIONS						
SURFACE ENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED ACTION		
ORIZONTAL	69.3	568.5	8.5	*TO BE DETERMINED		
ORIZONTAL	40.3	562.6	2.6	*TO BE DETERMINED		
CONICAL	32.6	570.3	1.2	*TO BE DETERMINED		
CONICAL	44.8	582.9	2.1	*TO BE DETERMINED		
ORIZONTAL	48.9	565.6	5.6	*TO BE DETERMINED		
ORIZONTAL	49.6	565.8	5.8	*TO BE DETERMINED		
ORIZONTAL	43.3	560.4	0.4	*TO BE DETERMINED		
ORIZONTAL	69.9	579.6	19.6	*TO BE DETERMINED		
ORIZONTAL	90.7	601.8	41.8	*TO BE DETERMINED		
ORIZONTAL	90.0	600.6	40.6	*TO BE DETERMINED		
ORIZONTAL	92.9	597.0	37.0	*TO BE DETERMINED		
ORIZONTAL	90.3	590.9	30.9	*TO BE DETERMINED		
CONICAL	82.1	581.6	7.4	*TO BE DETERMINED		
ORIZONTAL	89.4	590.5	30.5	*TO BE DETERMINED		
ORIZONTAL	92.3	598.4	38.4	*TO BE DETERMINED		
ORIZONTAL	89.8	600.1	40.1	*TO BE DETERMINED		
ORIZONTAL	43.0-79.6	560.4-595.6	0.4-35.6	*TO BE DETERMINED		
Y 21R APPROACH	89.1	526.9	0.7	*TO BE DETERMINED		
Y 21R APPROACH	92.7	532.3	0.4	*TO BE DETERMINED		
AY 3L APPROACH	76.2	477.1	1.2	*TO BE DETERMINED		
AY 3L APPROACH	97.8	492.9	4.3	*TO BE DETERMINED		
AY 30 APPROACH	57.5	480.7	12.4	*TO BE DETERMINED		
AY 30 APPROACH	110.0	520.5	18.0	*TO BE DETERMINED		

\* TO BE FURTHER STUDIED IN INDIVIDUAL AIRSPACE CASE.

LEGEND				
	DESCRIPTION			
DP OF BSTRUCTION ROFILE VIEW)	OBSTRUCTION CALLOUT			
	LAND MASS OBSTRUCTION			
	TREE GROUP OBSTRUCTION			
BSTRUCTION LAN VIEW)	PART 77 PENETRATION			

![](_page_14_Picture_12.jpeg)

14° 33' EAST (±0° 23') ANNUAL CHANGE: 0° 6' WEST JULY 2020

![](_page_14_Figure_14.jpeg)

![](_page_15_Figure_0.jpeg)

	RUNWAY 30 OUTER APPROACH SURFACE OBSTRUCTIONS							
CTID	OBSTRUCTION	SURFACE PENETRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED DISPOSITION		
52	TREE	RUNWAY 30 APPROACH	57.5	480.7	12.4	*TO BE DETERMINED		
5	COMM TOWER	RUNWAY 30 APPROACH	110.0	520.5	18.0	<b>*TO BE DETERMINED</b>		

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NOT FOR CONSTRUCTION

![](_page_16_Figure_0.jpeg)

RUNW					
STRUCTION	SURFACE PENTRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED DISPOSITION
TREE	APPROACH	76.2	477.1	1.2	<b>*TO BE DETERMINED</b>
TREE	APPROACH	97.8	492.9	4.3	<b>*TO BE DETERMINED</b>

![](_page_17_Figure_0.jpeg)

LEG	iEND		_
FUTURE	DESCRIPTION	NO.	OBJ
$\otimes$		1	2
	OBSTRUCTION CALLOUT	18	2
(PROFILE VIEW)		19	
OBSTRUCTION (PLAN VIEW)	PART 77 PENETRATION		

	RUNWAY 21R OUTER APPROACH SURFACE OBSTRUCTIONS											
ION	SURFACE PENETRATED	SURFACEABOVETOPPENETRATEDGROUNDELEVATION			PROPOSED DISPOSITION							
	HORIZONTAL	69.3	568.5	8.5	*TO BE DETERMINED							
	RUNWAY 21R APPROACH	89.1	526.9	0.7	*TO BE DETERMINED							
	RUNWAY 21R APPROACH	92.7	532.3	0.4	*TO BE DETERMINED							

![](_page_18_Figure_0.jpeg)

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## RUNWAY 12/30 (FUTURE)

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![](_page_18_Figure_10.jpeg)

![](_page_19_Figure_0.jpeg)

	RUNWAY 3L FUTURE OUTER APPROACH SURFACE OBSTRUCTIONS											
OBJECTID	OBSTRUCTION	SURFACE PENTRATED	ABOVE GROUND	TOP ELEVATION	PENETRATION	PROPOSED DISPOSITION						
1268	TREE	APPROACH	76.2	477.1	1.2	<b>*TO BE DETERMINED</b>						
183	TREE	APPROACH	97.8	492.9	4.3	<b>*TO BE DETERMINED</b>						

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![](_page_20_Figure_0.jpeg)

![](_page_21_Figure_0.jpeg)

![](_page_22_Figure_0.jpeg)

![](_page_23_Figure_0.jpeg)

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				GENERAL AVIATION				
BLDG NO.	TENANT	TOP ELEV.	BLDG NO.	TENANT	TOP ELEV.	BLDG NO.	TENANT	TOP ELEV.
17	Port Maintenance - Sand Storage	439.3	110	Port of Pasco	420.4	1-98	McNeill, Jim	424
35	Power City; Les Schwab Tires, Inc.; Heaton, Troy	441.8	114	Kiwanis Club	418.9	1-99	MacHugh, Dave & Ami - Hangar	435.5
37	Port of Pasco	431.1	116	Wolfjohn & Associates	441.9	2-01	(POP) Bergstrom Aircraft	428.6
38	Port of Pasco	432.8	118	VACANT	417.5	210A	Pasco School District	434.3
39	VACANT	446.7	121	VACANT	416.5	210B	Pasco School District	426.9
40	GLB Farms / Port of Pasco	431.5	130	VACANT	421.2	2-01B	Inter-Avionics	440.23
57	Office Emerg Management	428.9	140	Systems Storage NW Craig-Co Electric	427.6	2-06	Easterday Farms	440.2
58	Andrews, Goodwill, Terry's Dairy Goodwill Industries	427.6	141	All Seasons Cont. LLC	424.9	2-07	Pasco Hangar II, LLC	430.9
59	R.W. Cox Drilling	433.9	142	Bergstrom Aircraft, Inc. Viper Aircraft	467.9	2-69	Donaldson LLC	443.2
60	Columbia Basin College Help-U-Move	434.2	201	BPA	434.4	2-74	Avis - Service Center	420.9
61	Columbia Basin College	433.5	202	Franklin County Shops	425.4	2-76	ECS/VP Equipment/Griffith	429.5
63	Wolfjohn & Associates	434.3	210	Pasco School District	437.5	2-79	Pat Funk T-Hangar	426.5
67	Franklin County	424.5	1-01	Sandbourne (HD Waterworks)	434.8	2-80	Peterson, Robert T-Hangar	429
68	Franklin County Four Rivers	426.5	1-03	Funk, Pat	427.9	2-84	Connell Oil - Card Station	428.9
69	Layne of WA, Inc.; Tri-Cities Waterfollies Columbia Basin	441.3	1-07	Pasco Hangar, LLC	431.1	2-87	Cost Less Carpet	446
	College; Scheerer Construction; BPA		1-08	Pasco Hangar III, LLC	431.5	2-93	Wirth, Terri - Hangar	423.3
70	Pasco FBO Partners LLC	432.4	1-20	Chep Gauntt		2-96	Col. Bsn LLC-Hangar	429.7
71	Battelle Northwest Bergstrom Aircraft	440.1	1-69	Port-T-Hangar	422.5	2-99	Lampson Int'l Limited - Hangar	435.2
72	Viper Aircraft	443.9	1-76	Port T-Hangar	427.3	3-18	Loren Watts Hangar	436
84	American Linen	438.7	1-79	Doug Watts	433.1	3-79	Sierra Electric, Inc.	432.6
85	BPA	446.5	1-80	Pat Funk T-Hangar	425.3	3-84	Avis/Budget - Car Wash	424.5
89	Bogert In'tl	426.5	1-81	Astley's Transmission, Inc.	432.1	3-93	Big D Construction	432.5
92	Scott's Cabinets	429.2	1-84	Port Maintenance	441.8	3-96	Duzan, Tom - Hangar	430.9
93	Unoccupied	430.5	1-86	Franklin County Engineering	427.2	3-99	Whitten Family Farms - Hangar	425.2
ດ <u>໌</u> 101	Franklin County Sheriff Pierce, Norman L.	424.5	1-91	Bogert Int'l	435.8	4-18	Coffee Shop	
3 102	BPA	438.3	1-93	Klein, Douglas - Hangar	439.9	5-18	Chep Gauntt	434.7
a 106	Pasco School District	422.5	1-96	Buxbaum, Mark - Hangar	429.2	5-19	Whitten Hangar	425
2 107	Astley's Auto Warehouse	429.0	1-97	Napier, Art - Hangar	431.2	6-19	Peterson Hangar	425
108	Unoccupied	420.4						

![](_page_23_Figure_3.jpeg)

![](_page_24_Figure_0.jpeg)

DRAWING LEGEND								
	EXISTING	FUTURE						
ACTIVE AIRFIELD PAVEMENT / SHOULDER								
PAVEMENT TO BE REMOVED (AIRFIELD & ROAD)	N/A	$\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!\times\!\!$						
AIRPORT PROPERTY		N/A						
AVIGATION EASEMENT		N/A						
NOISE CONTOUR 65 DNL	<b>—</b> — 65 <sup>,</sup> <b>—</b> —	65						
PASCO URBAN GROWTH AREA BOUNDARY		N/A						
PARK	P	N/A						
CHURCH	Ô	N/A						
SCHOOL	S	N/A						

	Mead and R 9600 NE Casca Suite Portland, C phone: 503- meadhu	Hunt, Inc. des Parkway, 100 OR 97220 -548-1494 nt.com
	The preparation of this do supported, in part, through Program financial assistance Administration as provided Section 47104. The conte constitute a commitment or States to participate in any therein nor does it indic development is environment have justification in accor public laws.	cument may have been the Airport Improvement from the Federal Aviation under Title 49 U.S.C., onts do not in any way on the part of the United y development depicted ate that the proposed ally acceptable or would dance with appropriate
D), es ter	MF 12/22/20 MF 12/22/20 TRI-CITIES AIRPORT LAYOUT PLAN	3601 North 20th Avenue Pasco, Washington 99301
00	INCURSIONS INCURS	500-172210.01 mber 2020 DRAWINGS

ON-AIRPORT L	AND USES	
	EXISTING	FUTURE
AIRFIELD - MOVEMENT AREA		N/A
RUNWAY PROTECTION ZONES		N/A
PASSENGER TERMINAL/AVIATION SUPPORT		N/A
AIR CARGO		N/A
AVIATION/AVIATION RELATED DEVELOPMENT		N/A
NON AVIATION RELATED DEVELOPMENT		N/A
OPEN/AG/APPROACH PROTECTION		N/A
PSC AIRPORT PROPERTY RELEASE	///////////////////////////////////////	N/A

OFF-AIRPORT LAND USES									
	EXISTING	FUTURE							
INDUSTRIAL ZONE		N/A							
COMMERCIAL ZONE		N/A							
OPEN SPACE/UNDEVELOPED ZONE		N/A							
SINGLE FAMILY/RESIDENTIAL ZONE		N/A							
MULTI-FAMILY /RESIDENTIAL ZONE		N/A							

NOTES

The City of Pasco has established the Pasco Airport Overlay District (Chapter 25.190) that establishes the Airport Influence Area based on the Future 14 CFR Part 77 Zones map and the Airport Safety Compatibility Zones map established by the Airport Maste Plan. The District regulations discourage the siting of incompatible uses adjacent to the Airport and to protect the viability of the Airport as a significant resource to the community by encouraging compatible land uses, densities, and reducing hazards that may endanger the lives and property of the public and aviation users.

![](_page_24_Figure_9.jpeg)

### LEGEND AIRPORT PROPERTY LINE (APL) RUNWAY PROTECTION ZONE \_\_\_\_\_ RPZ \_\_\_\_\_\_ RPZ \_\_\_\_\_\_ RPZ \_\_\_\_\_ LAND WHICH THE AIRPORT WILL SEEK TO BE RELEASED.

NOTE:

1. AREA XXVIII AND XXIV WERE NOT TRANSFERRED TO THE PORT OF PASCO WITH THE REMAINDER OF THE PROPERTY, HOWEVER THE PORT WAS GRANTED AND MAINTAINS AN AVIGATION EASEMENT OVER THE PROPERTY WHICH PERMITS THEM TO OPERATE AN AIRPORT IN PERPETUITY.

AREA XXXIV

						PROPERTY LEGEND					
		ACREAGE									
AREA	ACQUIRED	RELEASED	FUTURE	GRANTOR	GRANTEE	RECORDED LIBER	INSTRUMENT OF TITLE	RECORDING DATE	TAX PARCEL NO.	ADAP NO.	OWN
I	329.3 Acres			City of Pasco, WA	Port of Pasco	A portion of Auditors File No. 250543	Quit-Claim Deed	7/23/1963	116-570-015		FEE
11	164.1 Acres			Franklin County, WA	Port of Pasco	A portion of Auditors File No. 323930	Quit-Claim Deed	3/24/1971	113-120-024		FEE
- 111	504.9 Acres			City of Pasco, WA	Port of Pasco	A portion of Auditors File No. 250543	Quit-Claim Deed	7/23/1963	113-290-029		FEE
IV	642.76 Acres			City of Pasco, WA	Port of Pasco	A portion of Auditors File No. 250543	Quit-Claim Deed	7/23/1963	117-010-010		FEE
V	48.2 Acres			City of Pasco, WA	Port of Pasco	A portion of Auditors File No. 250543	Quit-Claim Deed	7/23/1963	119-210-023		FEE
VI	0.3 Acres			Sophia Job	Port of Pasco	Auditors File No.380816	Statutory Warranty Deed	5/10/1973	119-222-010		FEE
VII	19.4 Acres			Norbert & Marion Job	Port of Pasco	Auditors File No. 380012	Statutory Warranty Deed	4/13/1978	119-222-029		FEE
VIII	8.859 Acres			State of Washington	Port of Pasco	Auditors File No. 424435	Quit-Claim Deed	4/15/1983	119-180-011		FEE
IX	63.5 Acres			City of Pasco, WA	Port of Pasco	A portion of Auditors File No. 250543	Quit-Claim Deed	7/23/1963	113-300-017		FEE
х	122.7 Acres			Burlington Northern Inc.	Port of Pasco	Auditors File No. 398404	Warranty Deed	1/24/1980	116-330-033		FEE
хі	143.3 Acres			United States of America, Secretary of the Interior	Port of Pasco	Auditors File No. 394131	Warranty Deed	8/12/1979	116-530-022		FEI SU
XII	52.7 Acres			Didco Corporation	Port of Pasco	Parcel A, Auditors File No. 333135	Statutory Warranty Deed	8/23/1972	117-301-018		FEE
XII						Auditors File No. 375093	Plat Vacation	11/2/1977	117-301-018		FEE
XIII	15.9 Acres			Didco Corporation	Port of Pasco	Parcel B, Auditors File No. 333135	Statutory Warranty Deed	8/23/1972	117-301-017		FEE
XIII						Auditors File No. 375093	Plat Vacation	11/2/1977	117-301-017		FEE
XIV	4.9 Acres			Didco Corporation	Port of Pasco	Parcel C, Auditors File No. 333135	Statutory Warranty Deed	8/23/1972	117-322-013		FEE
xv	5.2 Acres			Donald & Lois Avery	Port of Pasco	Auditors File No. 375622	Statutory Warranty Deed	11/22/1977	117-322-031		FEE
XVI	5.2 Acres			Beatrice Huston	Port of Pasco	Auditors File No. 373780	Statutory Warranty Deed	9/16/1977	117-322-040		FEE
XVII	4.7 Acres			Warren & Mary Ann Cornett	Port of Pasco	Auditors File No 373159	Statutory Warranty Deed	8/16/1977	119-012-078	6-53-0046-04	FEE
XVIII	12.7 Acres			Dale & Ardella Ratchford, Et al.	Port of Pasco	Auditors File No. 364090	Statutory Warranty Deed	9/20/1976	119-012-078	6-53-0046-04	FEE
ХІХ	4.6 Acres			Franklin County Irrigation District No. 1	Port of Pasco	Auditors File No. 379053	Quit-Claim Deed	3/15/1978	119-012-078	6-53-0046-04	FEE
ХІХ				Andrew & Christina	Port of Pasco	Auditors File No. 379054	Statutory Warranty Deed	3/15/1978	119-012-078	6-53-0046-04	FEE
XX	5.7 Acres			State of Washington	Port of Pasco	Auditors File No. 408374	Quit-Claim Deed	3/5/1981	119-012-078	6-53-0046-04	FEE
XXI	1.5 Acres			State of Washington	Port of Pasco	Auditors File No. 408377	Quit-Claim Deed	3/5/1981	119-021-077	6-53-0046-06	FEE
XXII	4.9 Acres			State of Washington	Port of Pasco	Auditors File No. 409825	Quit-Claim Deed	4/17/1981	119-031-011	6-53-0046-06	FEE
XXIII	25.4 Acres			State of Washington	Port of Pasco	Auditors File No. 405321	Quit-Claim Deed	10/20/1980	119-041-091	6-53-0046-06	FEE
XXIV	1.0 Acres			State of Washington	Port of Pasco	Auditors File No. 409263	Quit-Claim Deed	3/27/1981	119-041-073	6-53-0046-06	FEE
XXV	1.5 Acres			State of Washington	Port of Pasco	Auditors File No. 414857	Quit-Claim Correction Deed	12/9/1981	119-232-170	6-53-0046-06	FEE
XXVI	0.9 Acres			State of Washington	Port of Pasco	Auditors File No. 405428	Quit-Claim Deed	10/23/1980	119-232-081	6-53-0046-06	FEE
XXVII	3.8 Acres			State of Washington	Port of Pasco	Auditors File No. 405318	Quit-Claim Deed	10/20/1980	119-232-090	6-53-0046-06	FEE
XXVIII	34.04 Acres			EE Properties, LLC	Port of Pasco	Auditors File No. 1793616 (aka Parcels A and B)	Statutory Warranty Deed	12/31/2012	116-340-143		FEE
XXIX	132.8 Acres			Columbia Basin College	Port of Pasco	Auditors File No. 178988 (See Notes)	Easement		119-170-013		EAS
ххх	135.2 Acres			City of Pasco, WA	Port of Pasco	Auditors File No. 250542 (See Notes)	Easement		113-300-106		EASI
XXXII	6.4 Acres			EE Properties, LLC	Port of Pasco	Auditors File No. 1793619 (aka Parcel C)	Easement	12/31/2012	116-340-115, 116-350-034		EAS
XXXIV	1555 Acres			EE Properties, LLC	Port of Pasco	Auditors File No. 1793619 (Remainder)	Easement	12/31/2012	116-340-115		EAS
xxxv	43.6 Acres			EE Properties, LLC	Port of Pasco	Auditors File No. 1793619 (Remainder)	Easement	12/31/2012	116-350-034		EASI
XXXVI	98.7 Acres			Bureau of Reclamation	Port of Pasco	Auditors File No. 18444422	Dedication Deed	3/24/2016	114-031-013		FEE
XXXVII		0.147 Acres		Port of Pasco	City of Pasco,	Auditors File No. 1924091	Quit-Claim Deed	10/27/2020	113-290-029		FEE
XXXVIII		0.466 Acres		Port of Pasco	City of Pasco,	Auditors File No. 1923260	Quit-Claim Deed	10/14/2020	117-010-010, 119-180-011		FEE
XXXIX			0.387 Acres			I Information to b	i De included.		115 100 011		FUTU
XL			0.213 Acres	Information to be included.							
			0.27 ^			1£					FUTU
			0.37 Acres			Information to b					SIMPLE
			0.25 Acres			Information to b	be included.				SIMPLE
			0.95 Acres			Information to b	be included.				SI

![](_page_25_Figure_5.jpeg)