

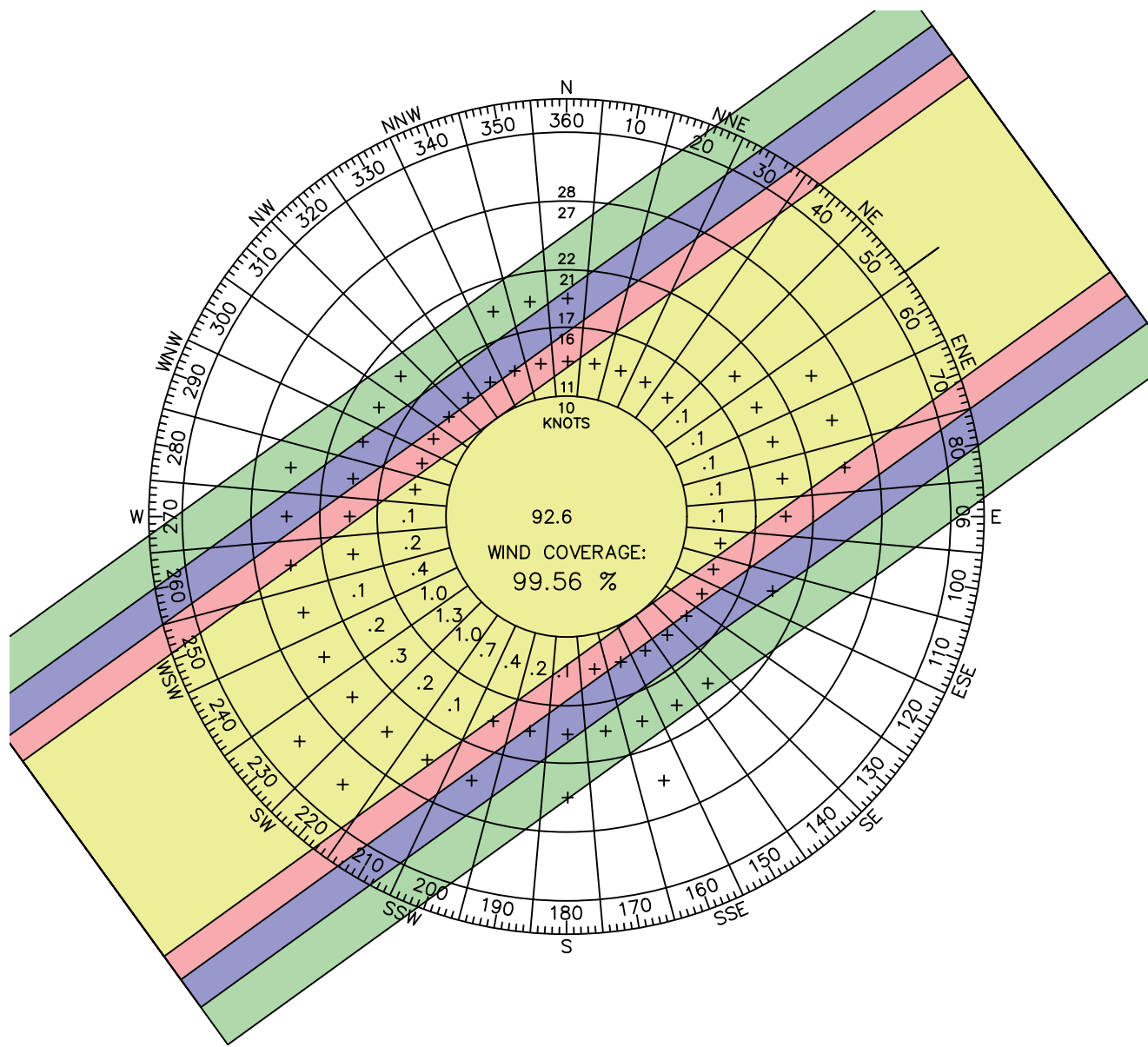
\\fs1\110\DATA\181701083_ACDWG\SHET5PAUP-BET170105 - AIRPORT LAYOUT PLAN.DWG, 10/02/22

RUNWAY DATA TABLE													
ITEM		EXISTING				FUTURE				ULTIMATE			
RUNWAY IDENTIFICATION		4L	22R	4R	22L	4L	22R	4R	22L	4L	22R	4R	22L
RUNWAY DESIGN CODE		B-II		B-I-SMALL		SAME		SAME		C/II		SAME	
APPROACH REFERENCE CODE		B/II/5000		B/II/4000		SAME		SAME		C/II/5000		C/II/2400	
DEPARTURE REFERENCE CODE		B/II		B/II(S)		SAME		SAME		C/II		SAME	
PAVEMENT STRENGTH & MATERIAL TYPE		CONCRETE		ASPHALT		SAME		SAME		SAME		SAME	
	WHEEL LOAD STRENGTH	SW - 30,000 LBS		SW - 30,000 LBS		SAME		SAME		SAME		SAME	
	PCN	UNDETERMINED		UNDETERMINED		SAME		SAME		SAME		SAME	
	PCI	92/53		60		SAME		SAME		SAME		SAME	
	SURFACE TREATMENT	NONE		NONE		SAME		SAME		SAME		SAME	
RUNWAY GRADIENT		0.23%		0.10%		SAME		SAME		SAME		SAME	
WIND COVERAGE		SEE WIND ROSES											
RUNWAY DIMENSIONS (LENGTH/WIDTH)		4,498' X 140'		2,650' X 75'		5,000' X 100'		SAME		5,500' X 100'		SAME	
RUNWAY SHOULDER DIMENSIONS (WIDTH)		5' LEFT AND RIGHT		N/A		N/A		N/A		N/A		N/A	
DISPLACED RUNWAY DIMENSION		N/A		N/A		N/A		SAME		5,078' X 100'		SAME	
DISPLACED THRESHOLD ELEVATION		N/A		N/A		N/A		SAME		N/A		1958'	
RUNWAY SAFETY AREA DIMENSIONS													
	LENGTH BEYOND RUNWAY END	300'		240'		SAME		SAME		1000'		SAME	
	WIDTH	150'		120'		SAME		SAME		500'		SAME	
LENGTH PRIOR TO THRESHOLD		NONE		NONE		NONE		SAME		NONE		422'	
RUNWAY END COORDINATES		N047° 40' 45.12" W117° 19' 52.99"	N047° 41' 11.09" W117° 18' 59.67"	N047° 40' 51.74" W117° 19' 26.93"	N047° 41' 07.04" W117° 18' 55.52"	N047° 40' 45.12" W117° 19' 52.99"	N047° 41' 13.99" W117° 18' 53.72"	SAME		N047° 40' 45.12" W117° 19' 52.99"	N047° 41' 16.88" W117° 18' 47.80"	SAME	
RUNWAY END ELEVATION		1,946.41'	1,956.66'	1,950.31	1,953.66'	1,946.41'	1,958.02'	SAME		1,946.41'	1,959.37'	SAME	
DISPLACED THRESHOLD COORDINATES & ELEVATION		N/A		N/A		N/A		SAME		N/A	N047° 41' 14.41" W117° 18' 52.77" ELEV. 1,958.18'	SAME	
RUNWAY LIGHTING TYPE		MIRL		NONE		SAME		SAME		MIRL		SAME	
RUNWAY PROTECTION ZONE DIMENSIONS													
	LENGTH	1,700'	1,700'	1000'		SAME		SAME		1,700'	2,500'	SAME	
	INNER WIDTH	500'	1,000'	250'		SAME		SAME		500'	1,000'	SAME	
	OUTER WIDTH	700'	1,510'	450'		SAME		SAME		1,010'	1,700'	SAME	
RUNWAY MARKING TYPE		NON-PRECISION	PRECISION	VISUAL		SAME		SAME		NON-PRECISION	PRECISION	SAME	
14 CFR PART 77 APPROACH CATEGORY		34:1	50:1 / 40:1	20:1		SAME		SAME		34:1	50:1 / 40:1	SAME	
APPROACH TYPE		NON-PRECISION	PRECISION	VISUAL		SAME		SAME		NON-PRECISION	PRECISION	SAME	
VISIBILITY MINIMUMS		NOT LOWER THAN 1 MILE	NOT LOWER THAN 3/4 MILE	VISUAL		SAME		SAME		NOT LOWER THAN 3/4	NOT LESS THAN 1/2	SAME	
TYPE OF AERONAUTICAL SURVEY REQUIRED FOR APPROACH		18B SURVEY CONDUCTED 10/2017		18B SURVEY CONDUCTED 10/2017		MUST BE UPDATED WHEN RUNWAY EXT.		SAME		MUST BE UPDATED WHEN RUNWAY EXT.		SAME	
RUNWAY DEPARTURE SURFACE		40:1		40:1		SAME		SAME		SAME		SAME	
RUNWAY OBJECT FREE AREA													
	LENGTH	300'		240'		SAME		SAME		1,000'		SAME	
	WIDTH	500'		250'		SAME		SAME		800'		SAME	
OBSTACLE FREE ZONE													
	LENGTH BEYOND RUNWAY END	200'		200'		SAME		SAME		SAME		SAME	
	WIDTH	300'		250'		SAME		SAME		SAME		SAME	
THRESHOLD SITING SURFACE (Note 1)		20:1 (TYPE 4)	20:1 (TYPE 4)	20:1 (TYPE 3)		SAME		SAME		SAME		SAME	
VISUAL AND INSTRUMENT NAVAIDS		MALSR, VASI, REIL, ILS, GLIDE SLOPE, LOCALIZER		PAPI-4		SAME		SAME		SAME BUT CHANGE VASI TO PAPI-4		SAME	
TOUCHDOWN ZONE ELEVATION		1,949.03'	1,956.50'	1,954.01'	1,954.01'	SAME		SAME		SAME	1,959.37'	SAME	
TAXIWAY													
	WIDTH	TAXIWAY A=35', C,D=50' (TDG 3 &4)		TAXIWAY B=40', E=35' (TDG 2)		SAME		SAME		SAME PLUS NEW PARALLEL TAXIWAYS		SAME	
	SAFETY AREA DIMENSIONS	79'		79'		SAME		SAME		SAME		SAME	
	OBJECT FREE AREA	131'		131'		SAME		SAME		SAME		SAME	
	TAXIWAY EDGE SAFETY MARGIN	10'		7.5'		SAME		SAME		SAME		SAME	
	LIGHTING	MITL		NONE		SAME		SAME		SAME		SAME	
TAXILANE													
	WIDTH	25'		25'		SAME		SAME		SAME		SAME	
	SAFETY AREA DIMENSIONS	49'		49'		SAME		SAME		SAME		SAME	
	OBJECT FREE AREA	79'		79'		SAME		SAME		SAME		SAME	
	LIGHTING	NONE		NONE		SAME		SAME		MITL		SAME	
TAXIWAY/TAXILANE SEPARATION		250	700	200		SAME		SAME		300'		SAME	
NON-STANDARD CONDITION		NON-STANDARD 140' RUNWAY WIDTH RESULTS IN NON-STANDARD SHOULDER, MARKING, & EDGE LIGHT CONFIGURATIONS		NONE		WIDER RUNWAY WIDTH TO ACCOMMODATE ULTIMATE RDC OF C-II		NONE		DISPLACED THRESHOLD & DECLARED DISTANCES TO BE EVALUATED IN FUTURE BY THE FAA		NONE	
HORIZONTAL DATUM		NAD 83											
VERTICAL DATUM		NAVD 88											
1 ENGINEERING BRIEF #99 (9/20/2018)													

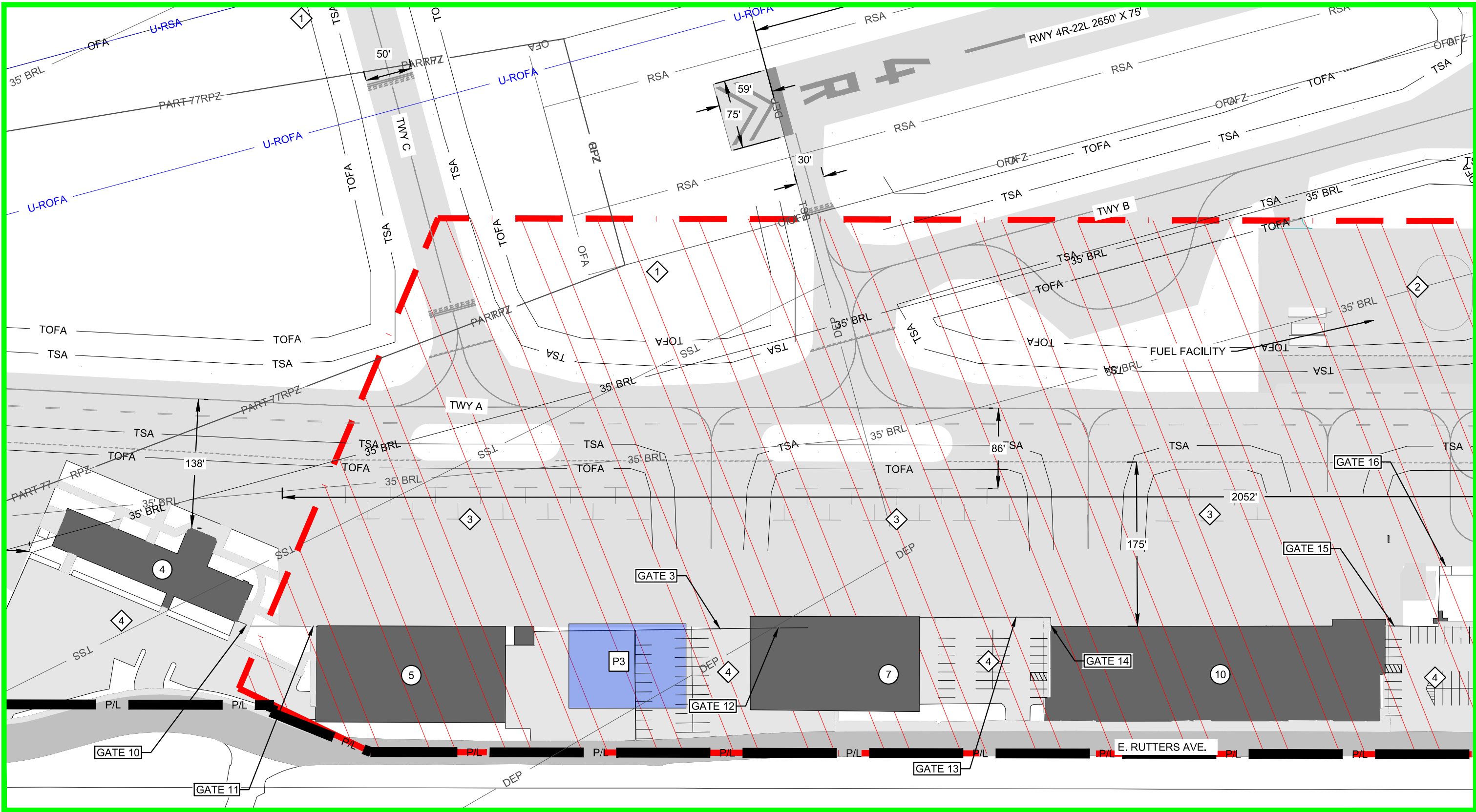
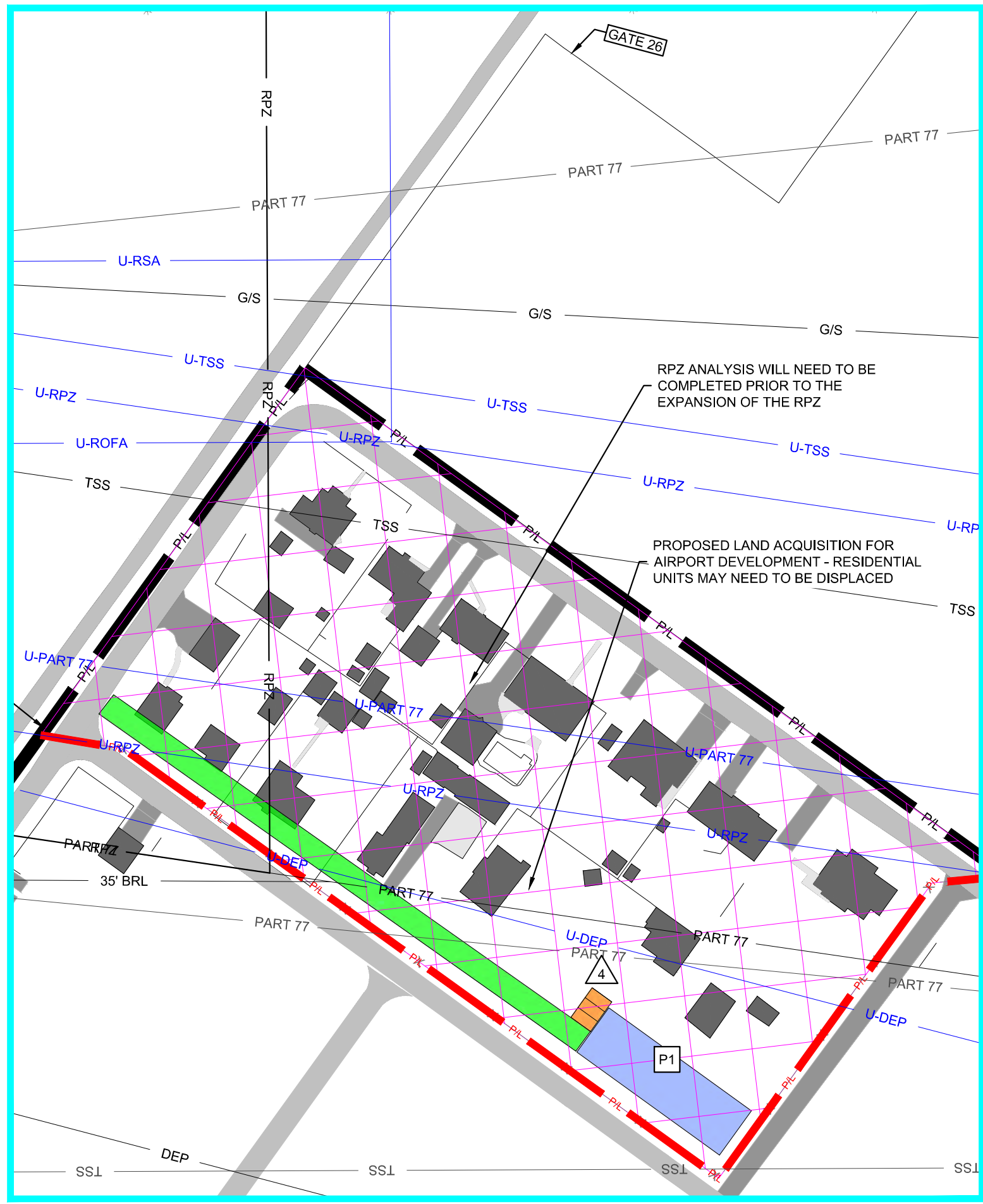
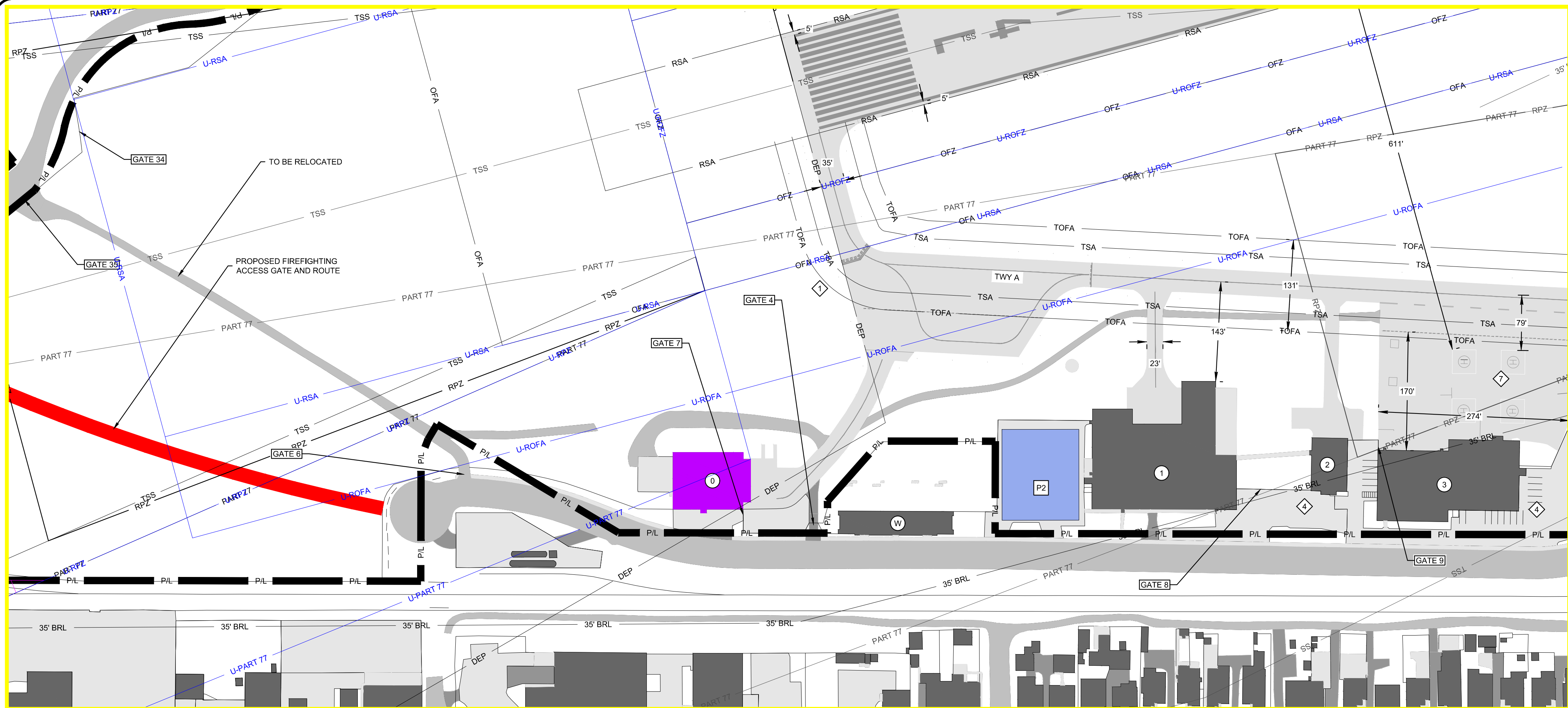
DECLARED DISTANCES TABLE												
ITEM	EXISTING				FUTURE				ULTIMATE			
	4L	22R	4R	22L	4L	22R	4R	22L	4L	22R	4R	22L
TAKE OFF RUN AVAILABLE (TORA)	4,499	4,499	2,650	2,650	5,000	5,000	SAME	SAME	5,500	5,500	SAME	SAME
TAKE OFF DISTANCE AVAILABLE (TODA)	4,499	4,499	2,650	2,650	5,000	5,000	SAME	SAME	5,500	5,500	SAME	SAME
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	4,499	4,499	2,650	2,650	5,000	5,000	SAME	SAME	5,500	5,500	SAME	SAME
LANDING DISTANCE AVAILABLE (LDA)	4,499	4,499	2,650	2,650	5,000	5,000	SAME	SAME	5,500	5,078	SAME	SAME

BASED ON AC 5300-13A

WIND COVERAGE - ALL WEATHER



WIND COVERAGE - ALL WEATHER				
RUNWAY	CROSSWIND COMPONENT: 10.5KTS	CROSSWIND COMPONENT: 13KTS	CROSSWIND COMPONENT: 16KTS	CROSSWIND COMPONENT: 20KTS
4L-22R	99.56%	99.84%	99.97%	100.00%
4R-22L	99.56%	99.84%	99.97%	100.



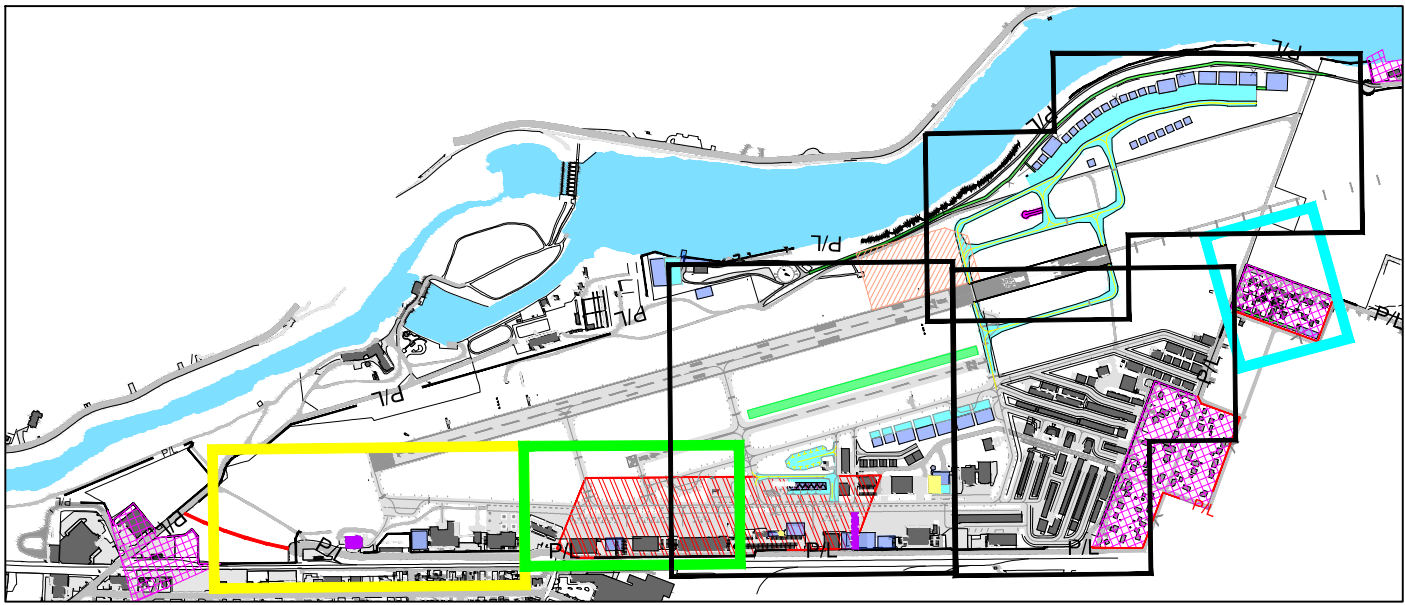
BUILDINGS AND FACILITIES (OBSTRUCTIONS ONLY)					
CURRENT	ULTIMATE	DESCRIPTION	TOP ELEVATION	SURFACE PENETRATION	RECOMMENDED ACTION
①		HANGAR	21.5'	APPROACH PART 77 & DEP RWY 4R E/U	RELOCATE
②		OFF AIRPORT PROPERTY	40.8'	TRANSITIONAL RUNWAY 4L-22R (U)	POTENTIAL OBSTRUCTION LIGHT
③		HANGAR	24.7'	TRANSITIONAL RUNWAY 4L-22R (U)	POTENTIAL OBSTRUCTION LIGHT
④		HANGAR	18.5'	TRANSITIONAL RUNWAY 4L-22R (U)	POTENTIAL OBSTRUCTION LIGHT

BUILDINGS AND FACILITIES			
CURRENT	ULTIMATE	DESCRIPTION	TOP ELEVATION
③		HANGAR	23.5'
④		HANGAR / FACILITY	26.7'
⑤		HANGAR / FACILITY	43.5'
⑦		HANGAR	32.9'
⑩		HANGAR / FACILITY	31.5'
	P1	MAINTENANCE / STORAGE FACILITY	N/A
	P2	HANGAR	N/A
	P3	HANGAR	N/A

MAIN ACCESS GATES		DESCRIPTION
3		16' SECURITY SLIDE GATE
4		13' SECURITY SLIDE GATE
ACCESS GATES		DESCRIPTION
6		15' ACCESS GATE
7		16' ACCESS GATE
8		16' ACCESS GATE
9		5' ACCESS GATE
10		5' ACCESS GATE
11		5' ACCESS GATE
12		4' ACCESS GATE
13		25' ACCESS GATE
14		3' ACCESS GATE
15		18' SECURITY SLIDE GATE
16		12' ACCESS GATE
34		17' ACCESS GATE
35		17' ACCESS GATE

LEGEND		
EXISTING	ULTIMATE	DESCRIPTION
		AIRFIELD PAVEMENT
		FELTS FIELD HISTORIC DISTRICT
		AIRPORT PROPERTY LINE
		ROADWAY
		SECURITY FENCE
		AIRPORT REFERENCE POINT
		BUILDING
		BUILDING TO BE DEMOLISHED
		BUILDING TO BE RELOCATED
		ILS CRITICAL AREA
		PROPOSED LAND ACQUISITION
		BUILDING RESTRICTION LINE (BRL) 35'
		RUNWAY SAFETY AREA (RSA)
		RUNWAY OBJECT FREE AREA (OFA)
		RUNWAY PROTECTION ZONE (RPZ)
		RUNWAY OBJECT FREE ZONE (OFZ)
		THRESHOLD SIGHTING SURFACE (TSS)
		CFR PART 77 APPROACH SURFACE
		TAXIWAY SAFETY AREA (TSA)
		TAXIWAY OBJECT FREE AREA (TOFA)
		INSTRUMENT DEPARTURE SURFACE
		VERTICAL GLIDESLOPE SURFACE
		TOPOGRAPHIC CONTOURS

FACILITIES		
EXISTING	ULTIMATE	DESCRIPTION
①		MAJOR AIRPORT DRAINAGE
②		FUEL FACILITY
③		AIRCRAFT TIE-DOWN RAMP
④	④	AUTOMOBILE PARKING
⑦		HELIPAD



BORDER SIZE		24"x36"
DESIGNED	RF	
DRAWN	RF	
CHECKED	RF	
APPROVED		

REVISIONS		DATE	DESCRIPTION
NO.			

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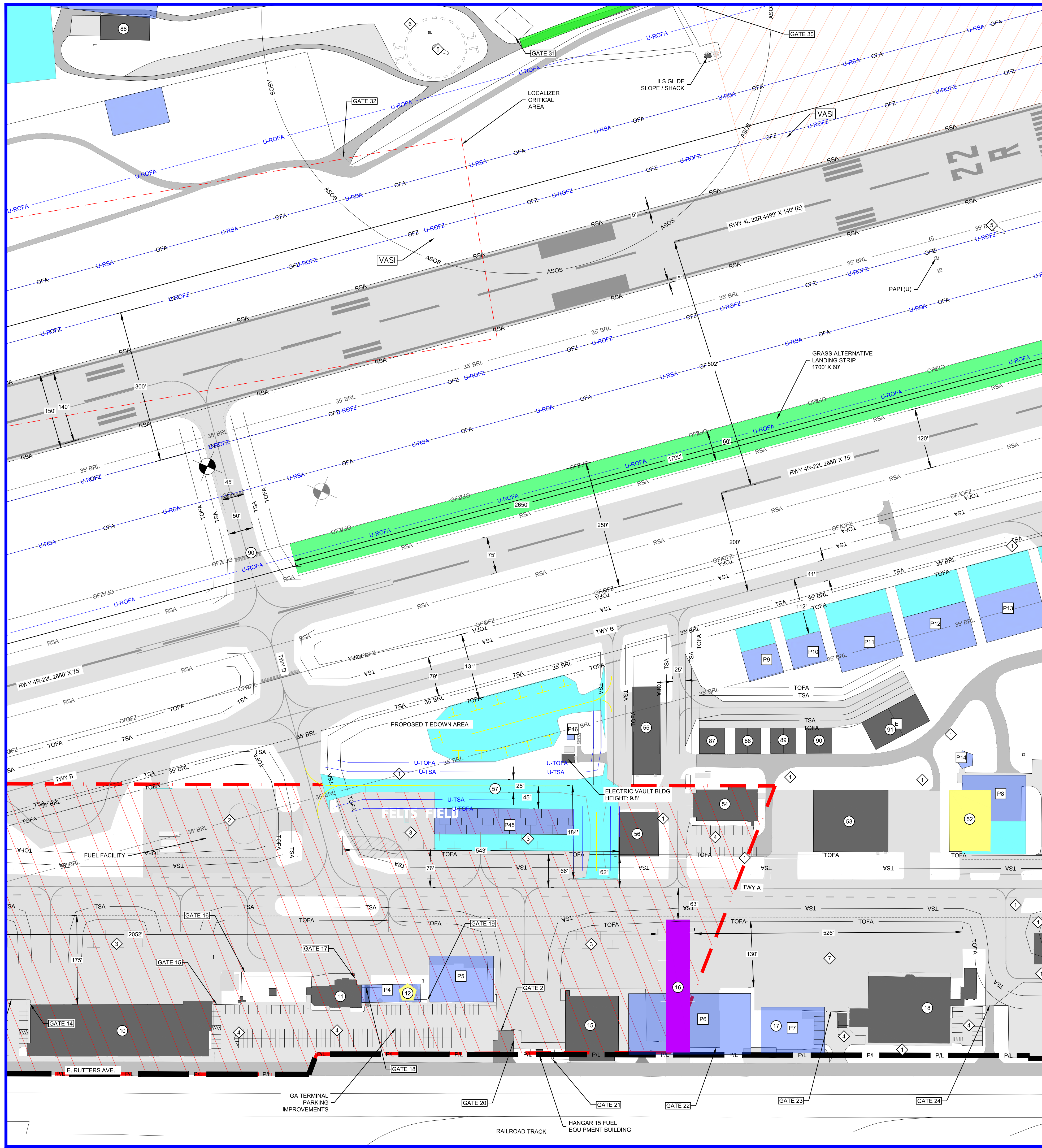
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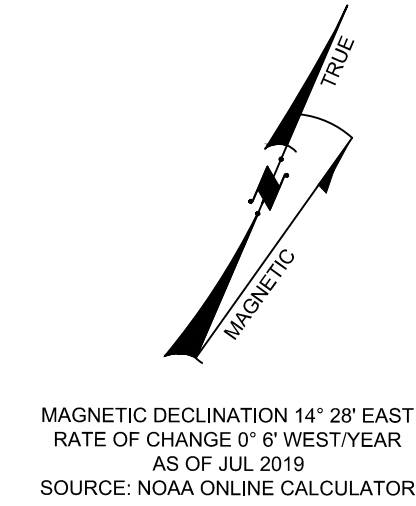
**FELTS FIELD
SPOKANE, WASHINGTON
AIRPORT LAYOUT PLAN SET
TERMINAL AREA PLAN (1)**

DATE:	MARCH 2022
PROJECT:	WSP160359P / T0170105
SHEET:	06 OF 27

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MAIN ACCESS GATES	DESCRIPTION
2	13' SECURITY SLIDE GATE
ACCESS GATES	
15	18' SECURITY SLIDE GATE
16	12' ACCESS GATE
17	6' ACCESS GATE
18	5' ACCESS GATE
19	3' ACCESS GATE
20	24' ACCESS GATE
21	4' ACCESS GATE
22	4' ACCESS GATE
23	16' SECURITY SLIDE GATE
24	16' SECURITY SLIDE GATE
30	16' ACCESS GATE
31	14' ACCESS GATE
32	44' ACCESS GATE

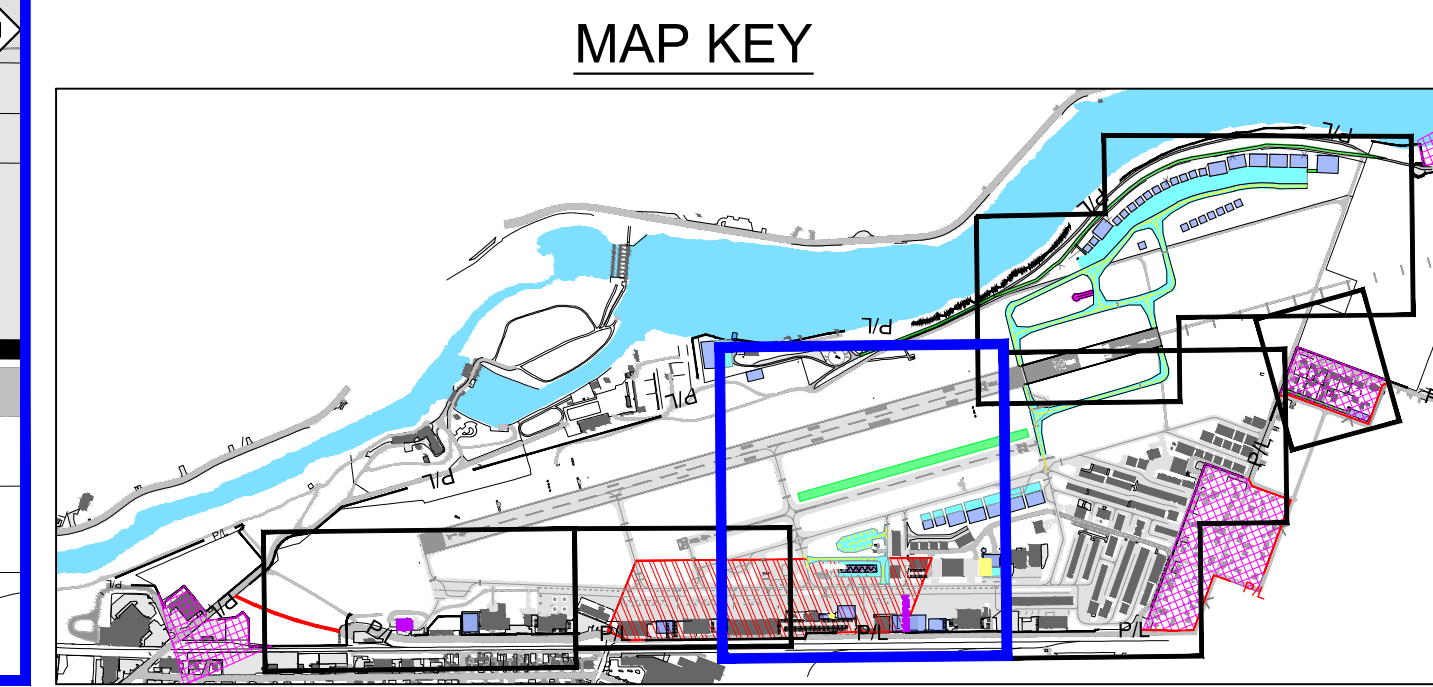


LEGEND		DESCRIPTION
EXISTING	ULTIMATE	
		AIRFIELD PAVEMENT
		FELTS FIELD HISTORIC DISTRICT
		AIRPORT PROPERTY LINE
		ROADWAY
		SECURITY FENCE
		AIRPORT REFERENCE POINT
		BUILDING
		BUILDING TO BE DEMOLISHED
		BUILDING TO BE RELOCATED
		ILS CRITICAL AREA
		PROPOSED LAND ACQUISITION
		BUILDING RESTRICTION LINE (BRL) 35'
		RUNWAY SAFETY AREA (RSA)
		RUNWAY OBJECT FREE AREA (OFA)
		RUNWAY PROTECTION ZONE (RPZ)
		RUNWAY OBJECT FREE ZONE (OFZ)
		THRESHOLD SIGHTING SURFACE (TSS)
		CFR PART 77 APPROACH SURFACE
		TAXIWAY SAFETY AREA (TSA)
		TAXIWAY OBJECT FREE AREA (TOFA)
		INSTRUMENT DEPARTURE SURFACE
		VERTICAL GLIDESLOPE SURFACE
		TOPOGRAPHIC CONTOURS

BUILDINGS AND FACILITIES (OBSTRUCTIONS ONLY)					
CURRENT	ULTIMATE	DESCRIPTION	TOP ELEVATION	SURFACE PENETRATION	RECOMMENDED ACTION
55		HANGAR	15.8'	ATCT LOS	NONE

BUILDINGS AND FACILITIES			
CURRENT	ULTIMATE	DESCRIPTION	TOP ELEVATION
10		HANGAR / FACILITY	31.5'
11		TERMINAL BUILDING	36.6'
12		CONTROL TOWER	65.1'
15		HANGAR	33.7'
16		HANGAR	19.6'
18		HANGAR	28.8'
52		SNOW REMOVAL EQUIPMENT BLDG	26.7'
53		HANGAR	34.4'
54		HANGAR	21.7'
56		HANGAR	25.0'
57		U.S. CUSTOMS TRAILER	12.9'
66		GARAGE	18.1'
67		HANGAR	24.0'
68		HANGAR	24.0'
69		HANGAR	26.0'
90		HANGAR	24.0'

BUILDINGS AND FACILITIES			
CURRENT	ULTIMATE	DESCRIPTION	TOP ELEVATION
91		HANGAR	29.0'
	P4	GA TERMINAL BLDG EXPANSION	N/A
	P5	HANGAR	N/A
	P6	HANGAR	N/A
	P7	HANGAR	N/A
	P8	HANGAR	N/A
	P9	HANGAR	N/A
	P10	HANGAR	N/A
	P11	HANGAR	N/A
	P12	HANGAR	N/A
	P13	HANGAR	N/A
	P14	HANGAR	N/A
	P15	ATCT PREFERRED ALTERNATIVE	N/A
	P16	T-HANGAR	N/A
	P17	PUBLIC RESTROOM	N/A



FACILITIES		
EXISTING	ULTIMATE	DESCRIPTION
1		MAJOR AIRPORT DRAINAGE
2		FUEL FACILITY
3		AIRCRAFT TIE-DOWN RAMP
4	4	AUTOMOBILE PARKING
5		WIND CONE
6		SEGMENTED CIRCLE
7		HELIPAD

NO. 24'x36'

DESIGNED

DATE

DESCRIPTION

NO.

DESIGNED

DATE

DESCRIPTION

NO.

DESIGNED

DATE

DESCRIPTION

NO.

DESIGNED

DATE

DESCRIPTION

NO.

DESIGNED

DATE

DESCRIPTION

NO.

DESIGNED

DATE

DESCRIPTION

NO.

DATE: MARCH 2022

PROJECT: WSP160359P / T0170105

SHEET: 07 OF 27

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FELTS FIELD

SPOKANE, WASHINGTON

AIRPORT LAYOUT PLAN SET

TERMINAL AREA PLAN (2)