

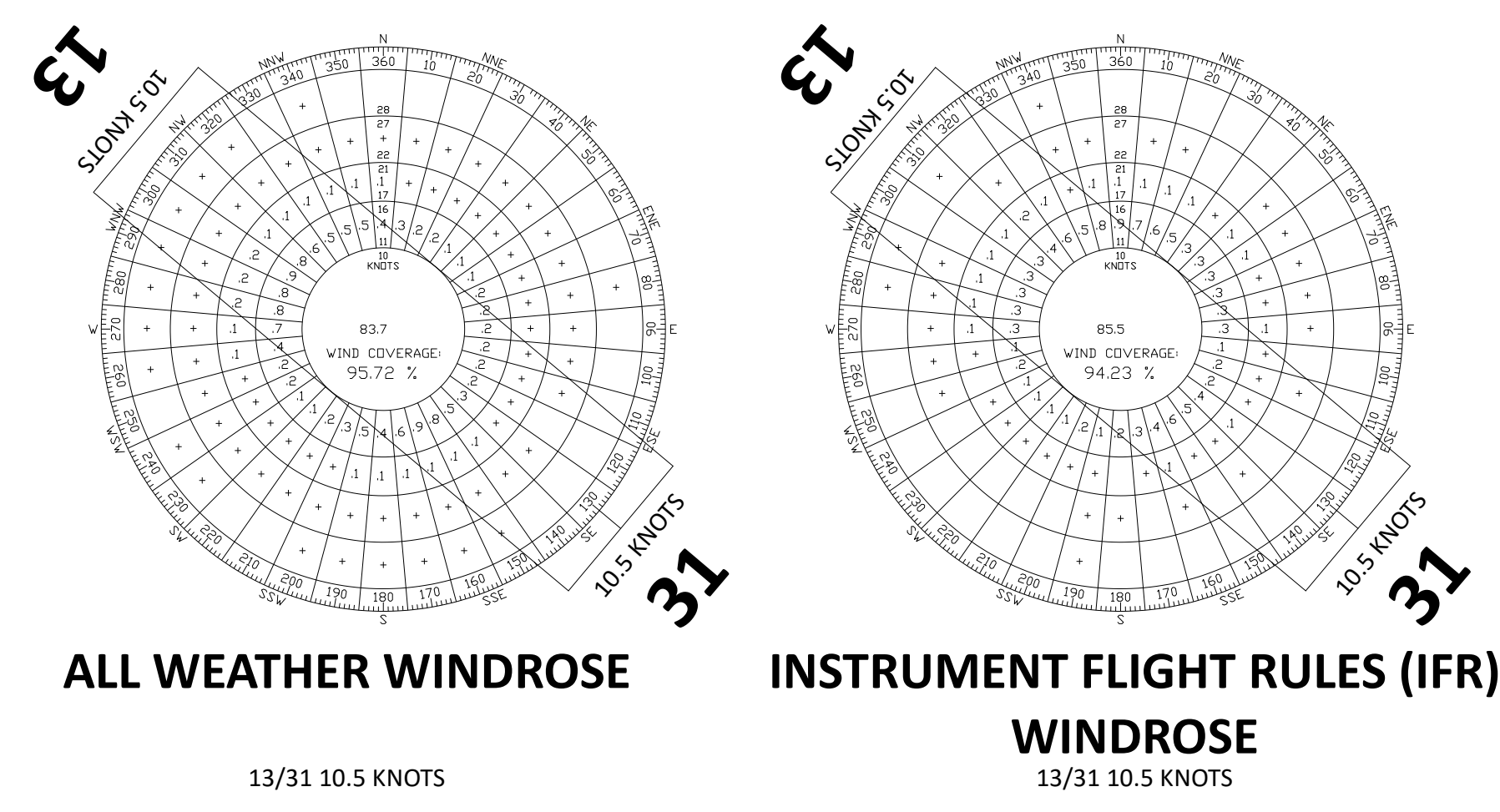
AIRPORT LAYOUT PLAN

FOREST LAKE MUNICIPAL AIRPORT (25D)

FOREST LAKE, MN

NOVEMBER 2022

INDEX TO SHEETS	
1.	TITLE SHEET
2.	AIRPORT LAYOUT PLAN
3.	AIRPORT AIRSPACE DRAWING
4.	INNER PORTION OF THE APPROACH SURFACE – RUNWAY 13 END (EXISTING FUTURE & ULTIMATE)
5.	INNER PORTION OF THE APPROACH SURFACE – RUNWAY 31 END (EXISTING FUTURE & ULTIMATE)
6.	TERMINAL AREA DRAWING
7.	LAND USE & STATE ZONING
8.	AIRPORT PROPERTY INVENTORY MAP EXHIBIT "A"



ALL WEATHER WIND COVERAGE	
CROSSWINDS	RUNWAY 13/31
10.5 KNOTS	95.72%
13 KNOTS	98.06%
INSTRUMENT FLIGHT RULES	
CROSSWINDS	RUNWAY 13/31
10.5 KNOTS	94.23%
13 KNOTS	97.05%
SOURCE: NATIONAL CLIMATIC DATA CENTER FOR ANOKA COUNTY BLAINE AIRPORT, MN (2009-2018)	

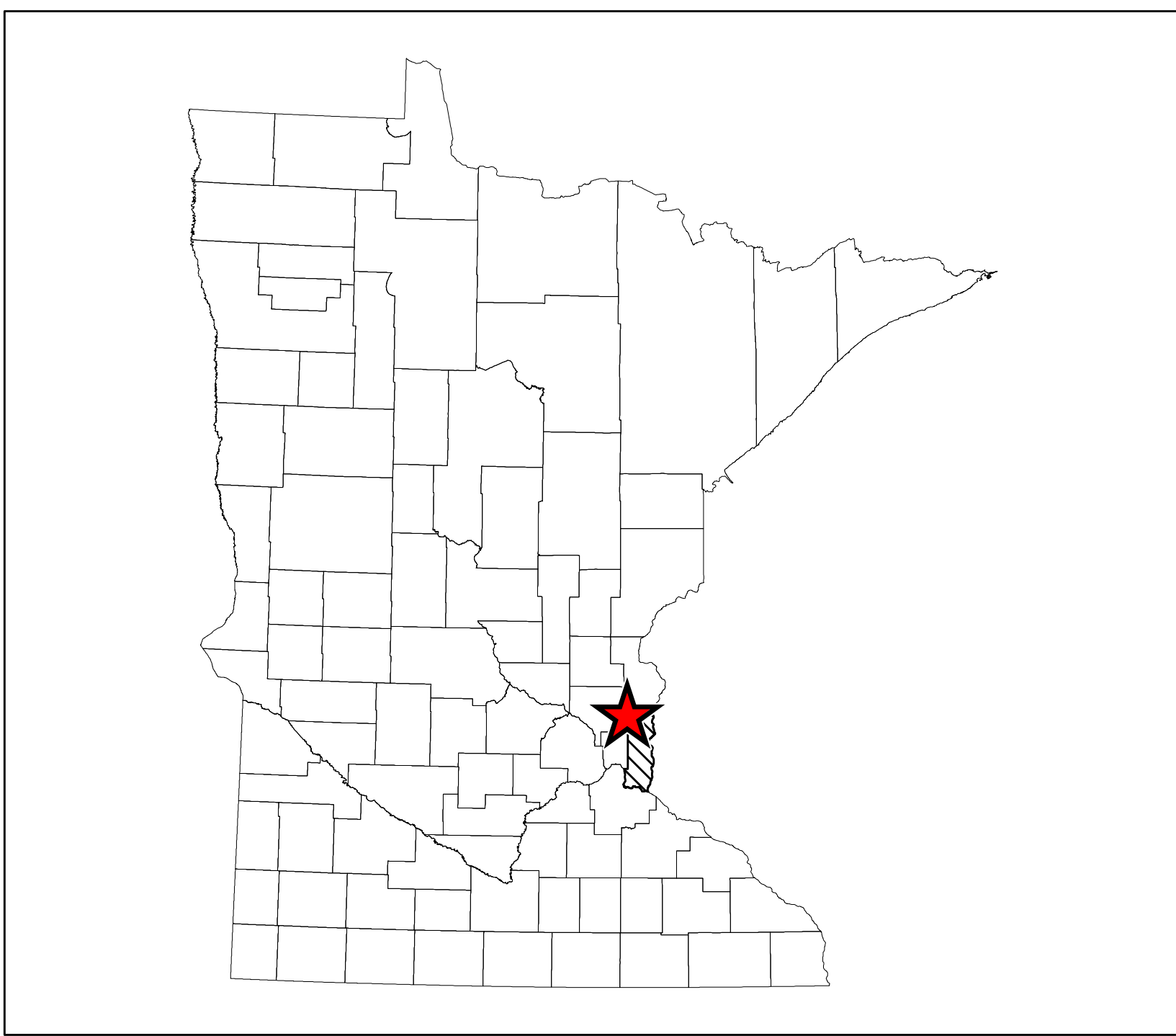
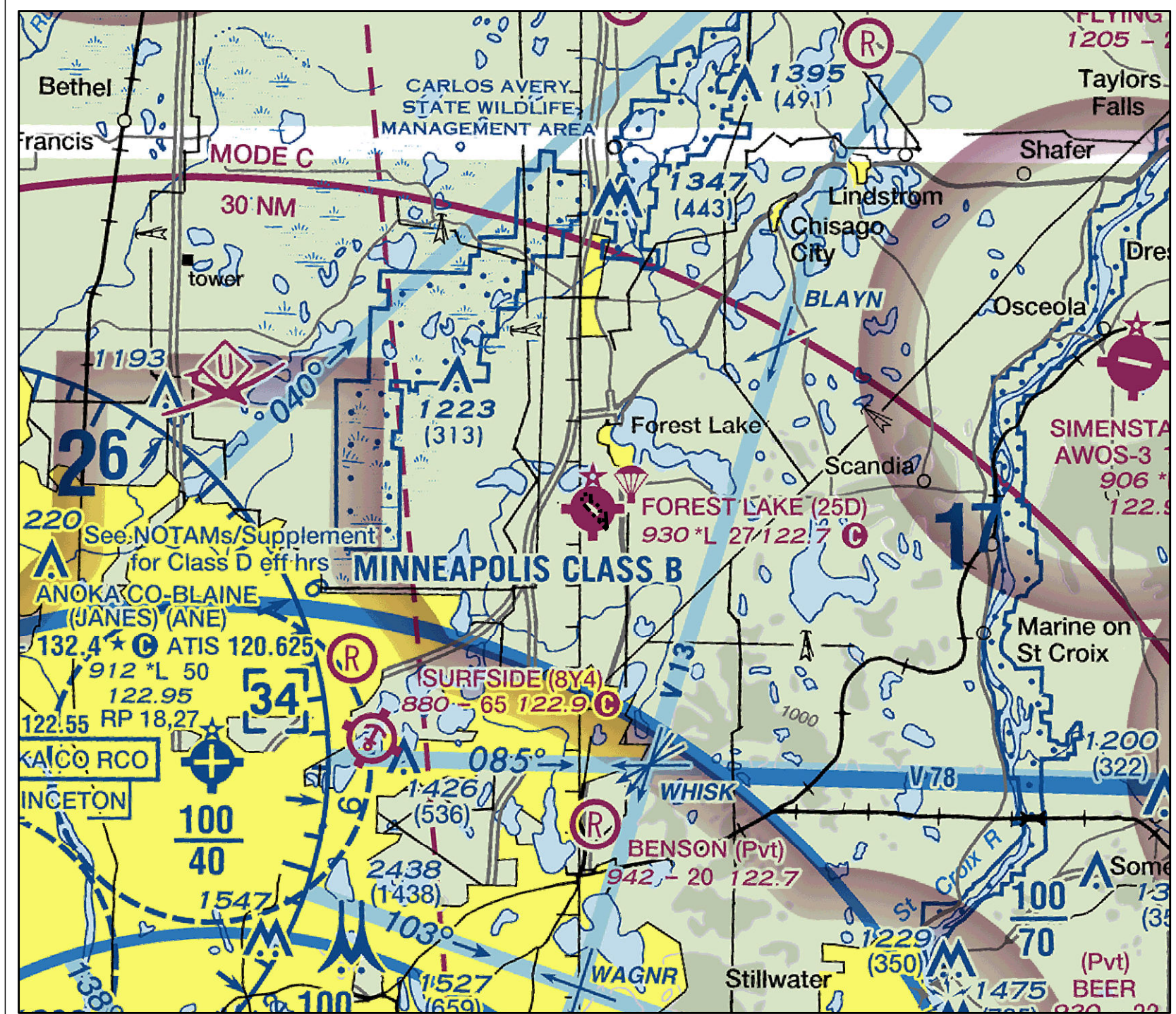


CONDITIONALLY APPROVED

NAME: _____ DATE: _____

Regional Engineer / Representative

DATE	BY	REVISIONS	CHANGE



VICINITY MAP

AIRPORT SPONSOR APPROVAL

FOREST LAKE, MINNESOTA

APPROVED BY: Mara Bain

DATE: May 8, 2023 Mayor

TITLE

CONSULTANT APPROVAL

FOREST LAKE, MINNESOTA

On behalf of Bolton & Menk, Inc. this Airport Layout Plan (ALP) was prepared for the Forest Lake Municipal Airport according to the applicable Advisory Circulars, the current version of the ARP SOP 2.00ALP Checklist, and accurately depicts the proposed use of airspace at the time of submittal. The ALP conforms with FAA design standards, except as noted.

DATE: NOV 9, 2022 Silas Parmar

SILAS PARMAR P.E.

AIRPORT DATA TABLE			
	EXISTING	FUTURE	ULTIMATE
MN SASP SERVICE ROLE:	LANDING STRIP	INTERMEDIATE	INTERMEDIATE
MEAN MAXIMUM TEMPERATURE HOTTEST MONTH:	JULY 83° F	SAME	SAME
AIRPORT ELEVATION (NAVD88):	929.5'	SAME	SAME
AIRPORT REFERENCE POINT (ARP)	LATITUDE N 45°14'50.675"	N 45°14'49.58"	N 45°14'48.48"
COORDINATES (NAD 83):	LONGITUDE W 92°59'34.275"	W 92°59'32.87"	W 92°59'31.47"
APPROACH REFERENCE CODE (APRC)	A/I/VIS	B/II/5000	B/II/5000
DEPARTURE REFERENCE CODE (DPRC)	B/II	B/III	B/III
AIRPORT NAVAIDS:	BEACON	SAME	SAME
MISCELLANEOUS FACILITIES:	MIRLS, WIND CONE, REILS, PAPI	SAME	SAME

TITLE SHEET

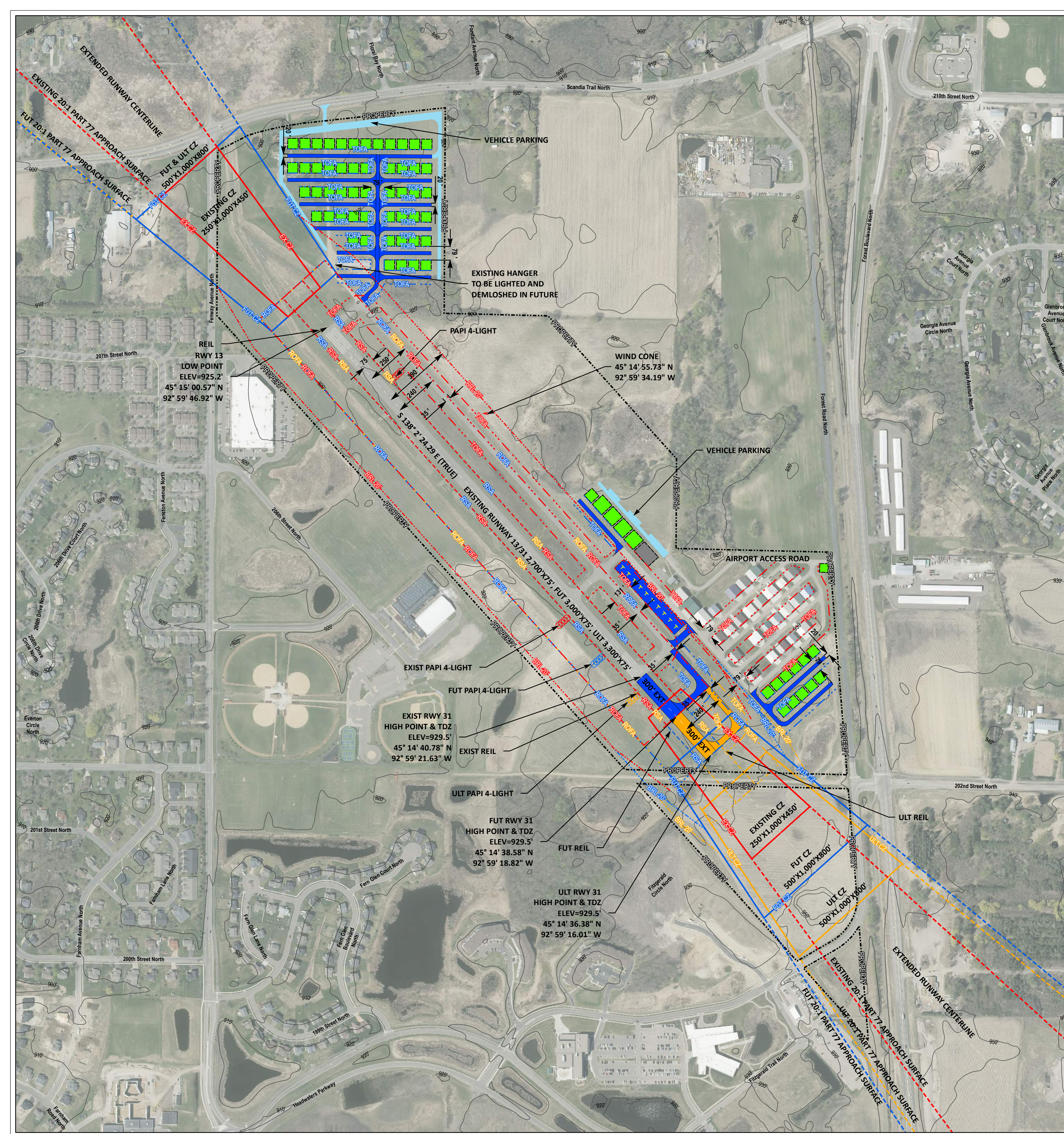
BOLTON & MENK, INC.

PROJECT NO. TS1.119609

DATE: NOV 9, 2022

LOCATION MAP
SECTIONAL AERONAUTICAL CHART

WASHINGTON COUNTY, MN



RUNWAY DATA TABLE			
	RUNWAY 13/31		
	EXISTING	FUTURE	ULTIMATE
RUNWAY LENGTH & WIDTH	2,700' X 75'	3,000' X 75'	3,300' X 75'
RUNWAY GRADIENT	0.16%	0.14%	0.13%
RUNWAY TYPE	UTILITY	SAME	SAME
PAVEMENT TYPE	ASPHALT	SAME	SAME
PAVEMENT STRENGTH WHEEL LOAD	12,500 LBS	SAME	SAME
RUNWAY LIGHTING	MIRL	SAME	SAME
RUNWAY MARKING	NON-PRECISION	SAME	SAME
14 CFR PART 77	A/VI	A/VI	A/VI
APPROACH TYPE	VISUAL	NON-PRECISION	NON-PRECISION
APPROACH REFERENCE CODE (APRC/)	A/VI	B/II/5000	B/II/5000
DEPARTURE REFERENCE CODE (DPRC)	B/II	B/II	B/II
RUNWAY NAVAIDS	PAPIS, REILS	PAPIS, REILS	PAPIS, REILS
TYPE OF AERONAUTICAL SURVEY	NOT VERTICALLY GUIDED	SAME	SAME
VISIBILITY MINIMUMS	VISUAL	1 MILE	1 MILE
WIND COVERAGE	95.72%	SAME	SAME

MNDOT CLEAR ZONE DIMENSIONS			
	RUNWAY	BASE	LENGTH
EXISTING	13/31	250'	1,000'
FUTURE & ULTIMATE	13/31	500'	1,000'
			OUTER WIDTH
			450'
			800'

RUNWAY SAFETY AREA (RSA)			
	RUNWAY	WIDTH	LENGTH BEYOND RUNWAY END
EXISTING FUT & ULT	13/31	150'	300'

RUNWAY OBJECT FREE AREA (ROFA)			
	RUNWAY	WIDTH	LENGTH BEYOND RUNWAY END
EXISTING FUT & ULT	13/31	500'	300'

RUNWAY OBSTACLE FREE ZONE (ROFZ)			
	RUNWAY	WIDTH	LENGTH BEYOND RUNWAY END
EXISTING FUT & ULT	13/31	250'	200'

RUNWAY END COORDINATES		
RUNWAY	EXISTING	LONGITUDE
13	45° 15' 00.57" N	92° 59' 46.92" W
31	45° 14' 40.78" N	92° 59' 21.63" W
	FUTURE	
31	45° 14' 38.58" N	92° 59' 18.82" W
	ULTIMATE	
31	45° 14' 36.38" N	92° 59' 16.01" W

RUNWAY END STATION AND ELEVATION		
RUNWAY	STATION	ELEVATION
EXIST FUT & ULT RUNWAY 13	200+00	925.2'
EXIST RUNWAY 31	227+00	929.5'
FUT RUNWAY 31	230+00	929.5'
ULT RUNWAY 31	233+00	929.5'

TOUCHDOWN ZONE (TDZ) LIMITS			
RUNWAY	TDZ LIMITS	STATION LOCATION	ELEVATION
EXIST RWY 13/31	200+00 TO 227+00	227+00	929.5'
FUT RWY 13/31	200+00 TO 230+00	230+00	929.5'
ULT RWY 13	200+00 TO 230+00	230+00	929.5'
ULT RWY 31	233+00 TO 203+00	233+00	929.5'

AIRPORT REFERENCE POINT (ARP)		
	LATITUDE	LONGITUDE
EXISTING	45° 14' 50.68" N	92° 59' 34.28" W
FUTURE	45° 14' 49.58" N	92° 59' 32.87" W
ULTIMATE	45° 14' 48.48" N	92° 59' 31.47" W

DEVIATION FROM FAA DESIGN STANDARDS		
APPROVAL DATE	MODIFICATION	DESCRIPTION
	NONE	

OBSTACLE FREE ZONE (OFZ) OBJECT PENETRATIONS			
KEY	DESCRIPTION	PENETRATION	ELEVATION
	NONE		

EXISTING LEGEND:

- AIRPORT BOUNDARY
- PART 77 APPROACH SURFACE
- BUILDIGN RESTRICTION LINE (BRL)
- RUNWAY SAFETY AREA (RSA)
- RUNWAY OBJECT FREE AREA (ROFA)
- BUILDING
- MNDOT CLEAR ZONE
- TAXIWAY OBJECT FREE AREA (TOFA)
- SURFACE CONTOURS
- PAPI
- REIL
- WINDSOCK

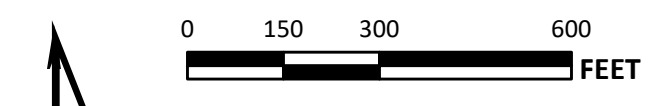
FUTURE LEGEND:

- PART 77 APPROACH SURFACE
- MNDOT CLEAR ZONE (CZ)
- VEHICLE PAVEMENT
- AIRCRAFT PAVEMENT
- BUILDING
- RUNWAY OBJECT FREE AREA (ROFA)
- RUNWAY SAFETY AREA (RSA)
- BUILDIGN RESTRICTION LINE (BRL)
- TAXIWAY OBJECT FREE AREA (TOFA)
- PAPI
- REIL

ULTIMATE LEGEND:

- PART 77 APPROACH SURFACE
- RUNWAY SAFETY AREA (RSA)
- BUILDIGN RESTRICTION LINE (BRL)
- RUNWAY OBJECT FREE AREA (ROFA)
- MNDOT CLEAR ZONE (CZ)
- AIRCRAFT PAVEMENT
- TAXIWAY OBJECT FREE AREA (TOFA)
- PAPI
- REIL

- NOTES:**
- NAVD88 VERTICAL DATUM & NAD83 COORDINATE SYSTEM WAS USED FOR THIS ALP SET.
 - NO SIGNIFICANT HORIZONTAL SURFACE PENETRATIONS BEYOND INNER APPROACH VIEW



MAGNETIC DECLINATION 0° 8' W
 CHANGING BY 0° 3' W/YEAR.
 OCTOBER 29, 2020 SOURCE: NGDC
 DECLINATION EPOCH YEAR=2010



TAXIWAY/TAXILANE DATA TABLE			
	EXISTING	FUTURE	ULTIMATE
TAXIWAY WIDTH	35'	79'	35'
TAXIWAY SAFETY AREA WIDTH	79'	79'	SAME
TAXIWAY OBJECT FREE AREA WIDTH	131'	131'	SAME
TAXIWAY EDGE SAFETY MARGIN	7.5'	7.5'	SAME
TAXIWAY SHOULDER WIDTH	15'	15'	SAME
TAXIWAY LIGHTING	REFLECTORS, LIGHTS AT INTERSECTION		MIL
TAXILANE WIDTH	20'	20'	20'
TAXILANE OBJECT FREE AREA WIDTH	79'	79'	79'

FAA PART 77 APPROACH SURFACE DIMENSIONS				
EXIST 13/31	INNER WIDTH	LENGTH	OUTER WIDTH	SLOPE
EXIST 13/31	250'	5,000'	1,250'	20:1
FUT & ULT 13/31	500'	5,000'	2,000'	20:1

CRITICAL AIRCRAFT DATA TABLE			
	EXISTING	FUTURE	ULTIMATE
AAC-ADG		A/B-II SMALL	
RUNWAY STRENGTH		12,500 LBS SWG	
APPROACH SPEED		LESS THAN 121 KNOTS	
WINGSPAN		< 49'	
TAIL HEIGHT		< 20'	

DECLARED DISTANCES			
	EXISTING	RUNWAY 13/31	ULTIMATE
TAKEOFF RUN AVAILABLE (TORA)	2,700'	3,000'	3,300'
TAKEOFF DISTANCE AVAILABLE (TODA)	2,700'	3,000'	3,300'
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	2,700'	3,000'	3,300'
LANDING DISTANCE AVAILABLE (LDA)	2,700'	3,000'	3,300'

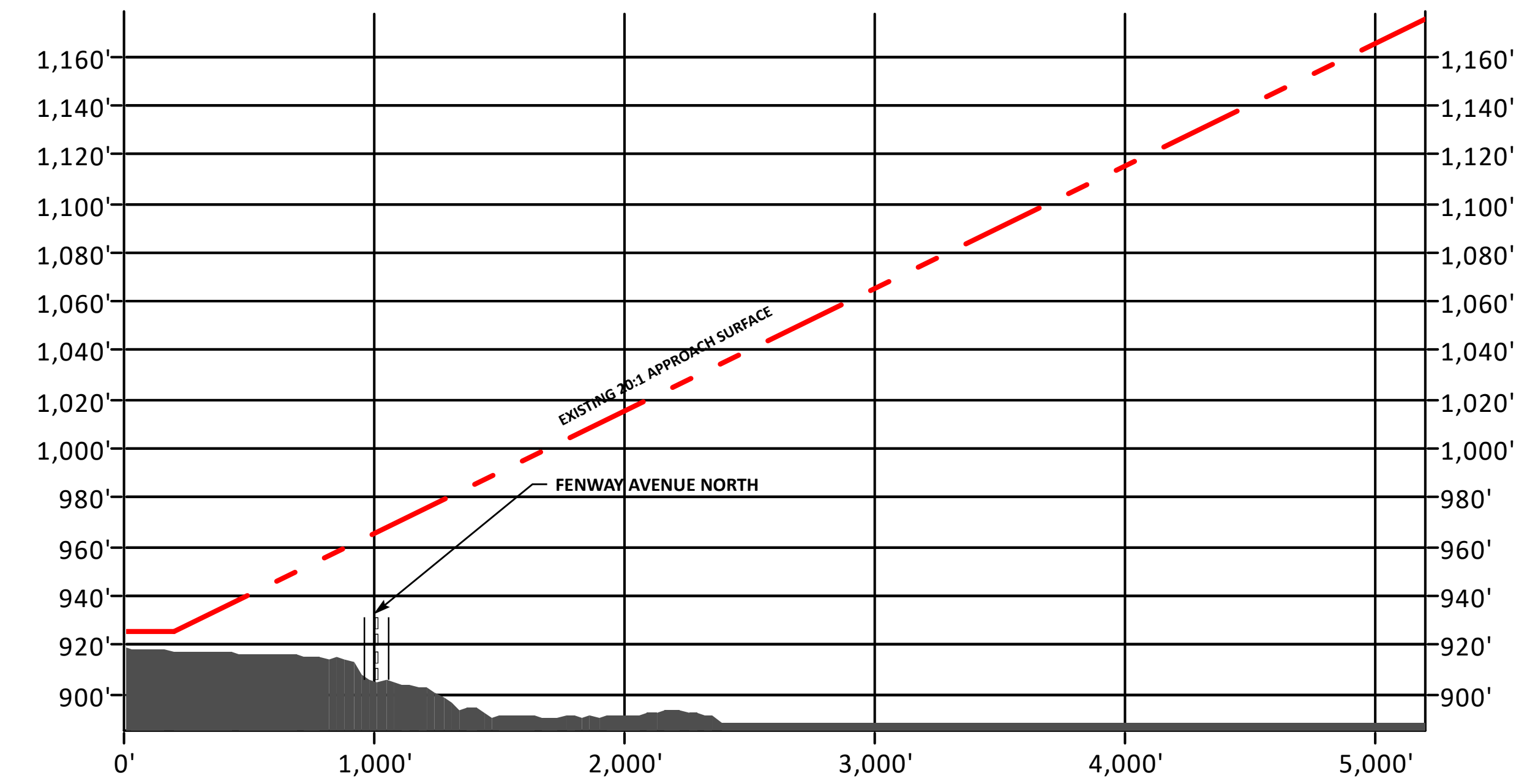
DATE	BY	REVISIONS	CHANGE



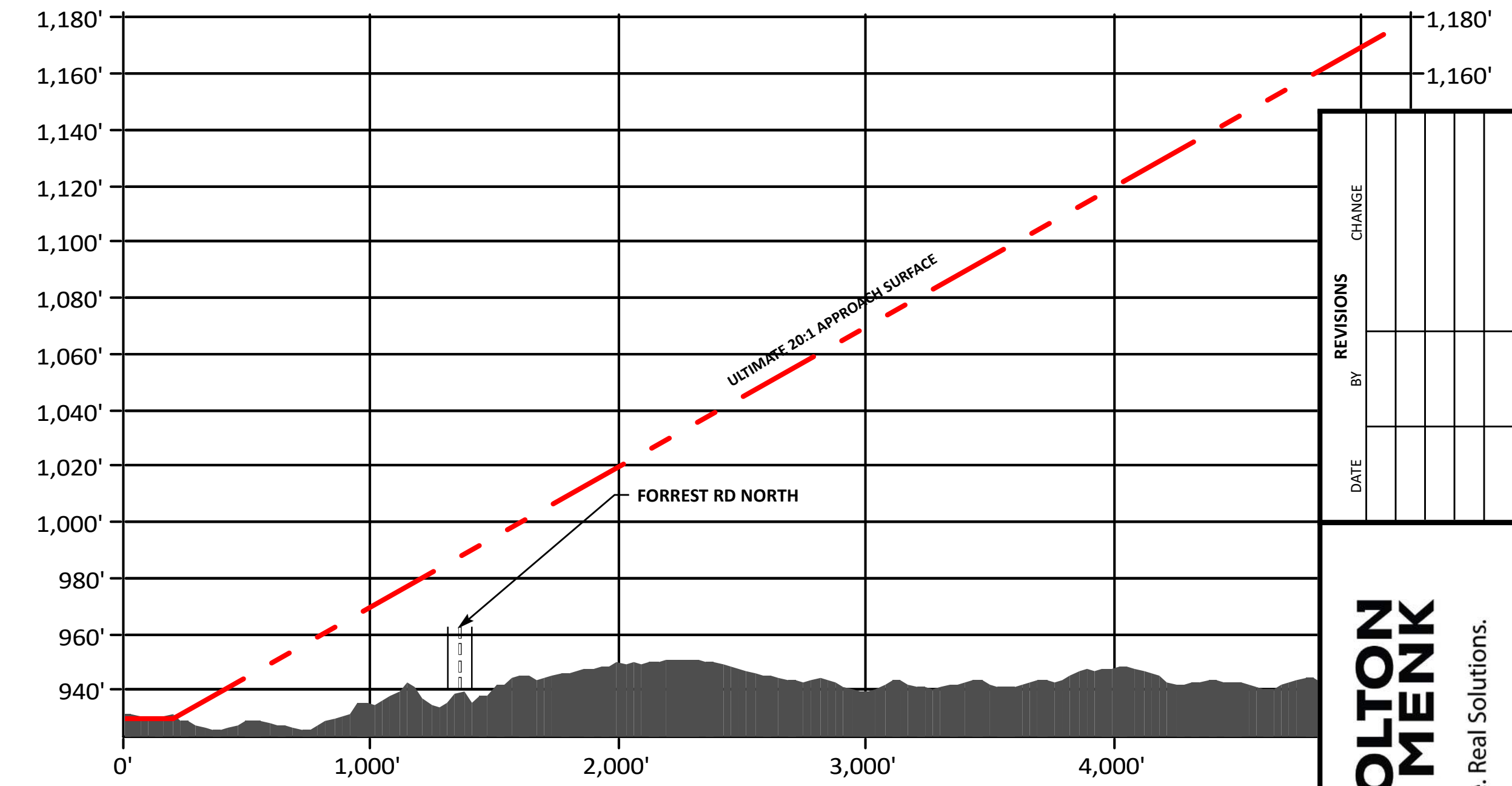
BOLTON & MENK, INC.
 PROJECT NO. TS1.1.19609
 DATE: NOV 9, 2020

AIRPORT LAYOUT PLAN

RUNWAY 13 APPROACH PROFILE VIEW AIRPORT ELEVATION =929.5'



RUNWAY 31 APPROACH PROFILE VIEW AIRPORT ELEVATION =929.5'



OBSTRUCTION TABLE (BEYOND INNER APPROACH)

OBJECT ID	LAT	LONG	TYPE	OBJECT HEIGHT AMSL	IMAGINARY SURFACE	PART 77 ELEVATION	PENETRATION	DISPOSITION
NONE								

FAA APPROACH SURFACE DIMENSIONS

RUNWAY	INNER WIDTH	LENGTH	OUTER WIDTH	SLOPE
13 EXIST	250'	5,000'	1,250'	20:1
31 EXIST	250'	5,000'	1,250'	20:1
13 FUT	500'	5,000'	2,000'	20:1
31 FUT	500'	5,000'	2,000'	20:1

- AIRPORT BOUNDARY
- AIRSPACE CONTOURS
- APPROACH ABOVE HORIZONTAL SURFACE
- APPROACH SURFACE
- CONICAL SURFACE
- HORIZONTAL SURFACE
- PRIMARY SURFACE
- TRANSITIONAL SURFACE

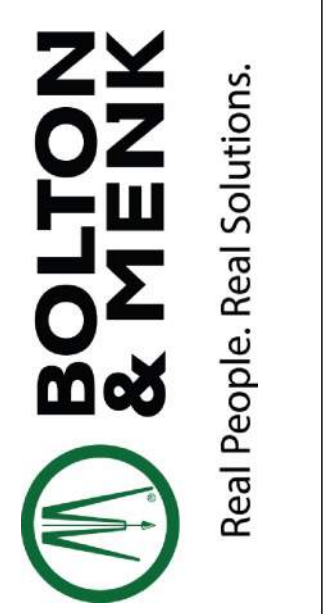
NOTES:
 1. NAVD88 VERTICAL DATUM & NAD83 COORDINATE SYSTEM WAS USED FOR THIS ALP SET.
 2. NO SIGNIFICANT HORIZONTAL SURFACE PENETRATIONS BEYOND INNER APPROACH VIEW

MAGNETIC DECLINATION 0° 8' W
 CHANGING BY 0° 3' W/YEAR.
 OCTOBER 29, 2020 SOURCE: NGDC
 DECLINATION EPOCH YEAR=2010

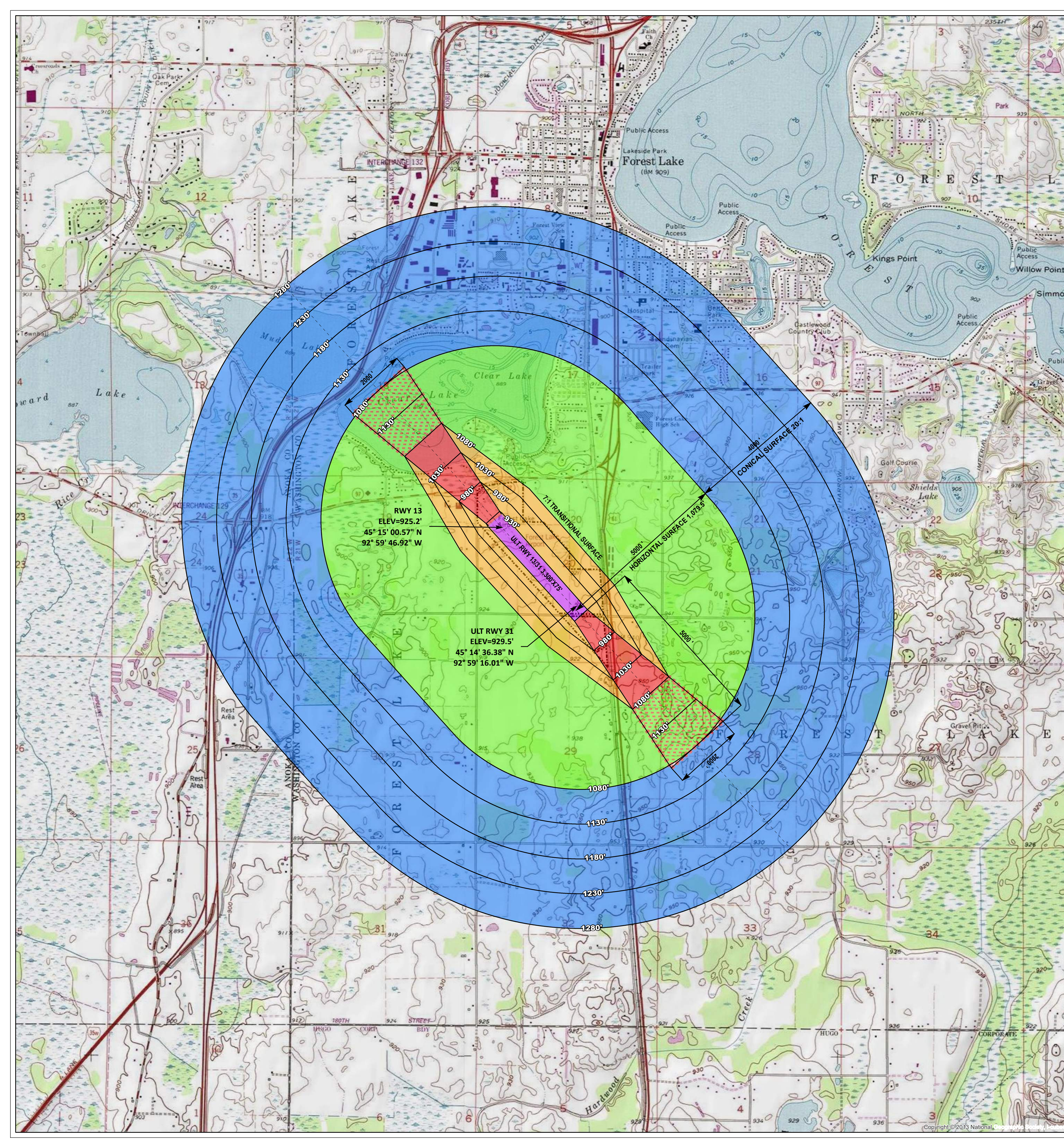


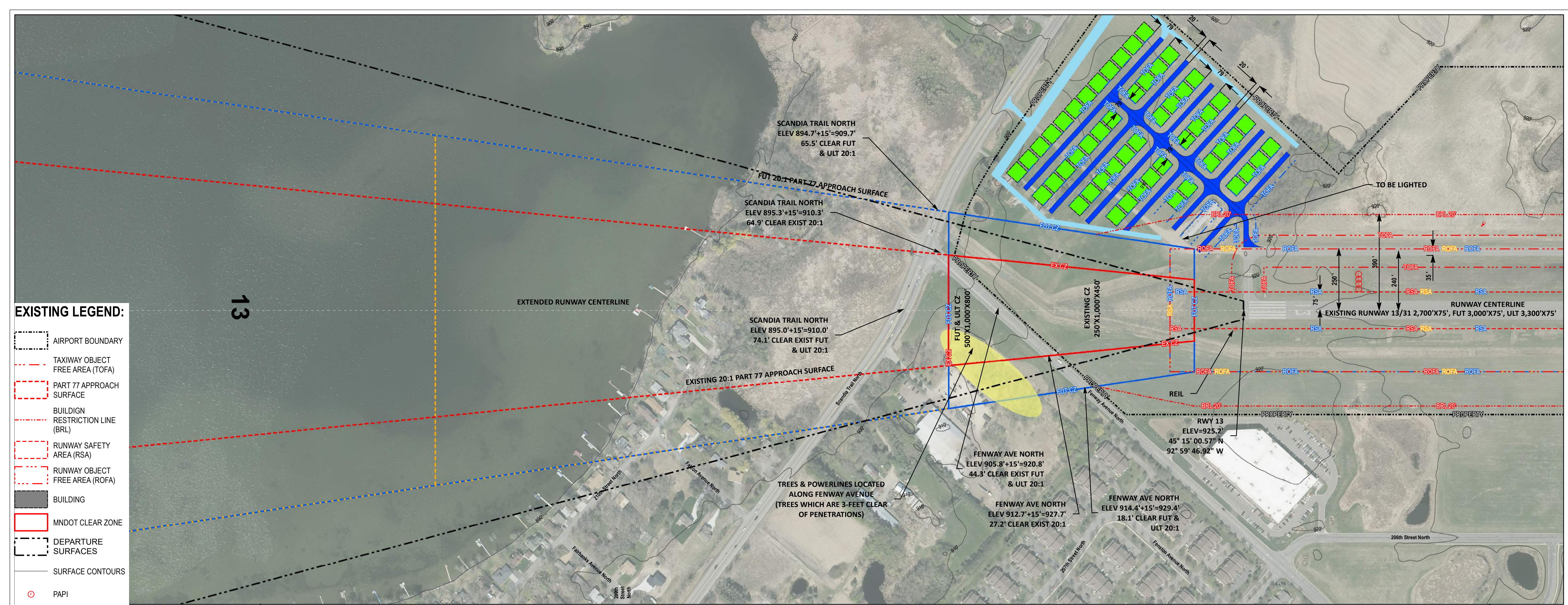
AIRPORT AIRSPACE
DRAWING

DATE	REVISIONS	BY	CHANGE



BOLTON & MENK, INC.
 PROJECT NO. TS1119609
 DATE: NOV 9, 2022

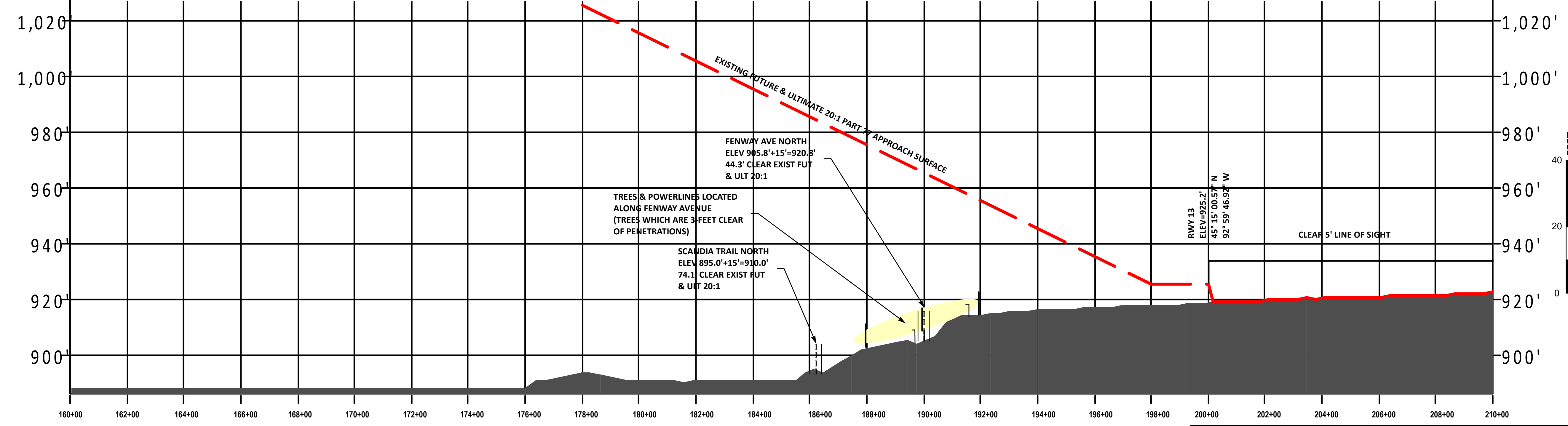




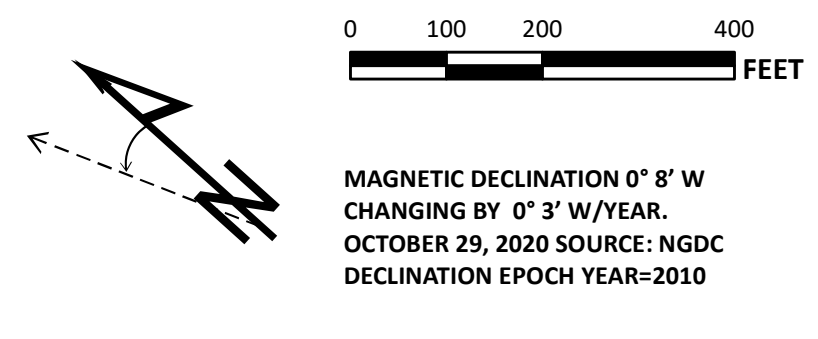
- EXISTING LEGEND:**
- AIRPORT BOUNDARY
 - TAXIWAY OBJECT FREE AREA (TOFA)
 - PART 77 APPROACH SURFACE
 - BUILDIGN RESTRICTION LINE (BRL)
 - RUNWAY SAFETY AREA (RSA)
 - RUNWAY OBJECT FREE AREA (ROFA)
 - BUILDING
 - MNDOT CLEAR ZONE
 - DEPARTURE SURFACES
 - SURFACE CONTOURS
 - PAPI
 - REIL
 - WINDSOCK

- FUTURE**
- TAXIWAY OBJECT FREE AREA (TOFA)
 - PART 77 APPROACH SURFACE
 - MNDOT CLEAR ZONE (CZ)
 - VEHICLE PAVEMENT
 - AIRCRAFT PAVEMENT
 - BUILDING
 - RUNWAY OBJECT FREE AREA (ROFA)
 - RUNWAY SAFETY AREA (RSA)
 - BUILDIGN RESTRICTION LINE (BRL)

- ULTIMATE LEGEND:**
- PART 77 APPROACH SURFACE
 - RUNWAY SAFETY AREA (RSA)
 - BUILDIGN RESTRICTION LINE (BRL)
 - RUNWAY OBJECT FREE AREA (ROFA)
 - MNDOT CLEAR ZONE (CZ)



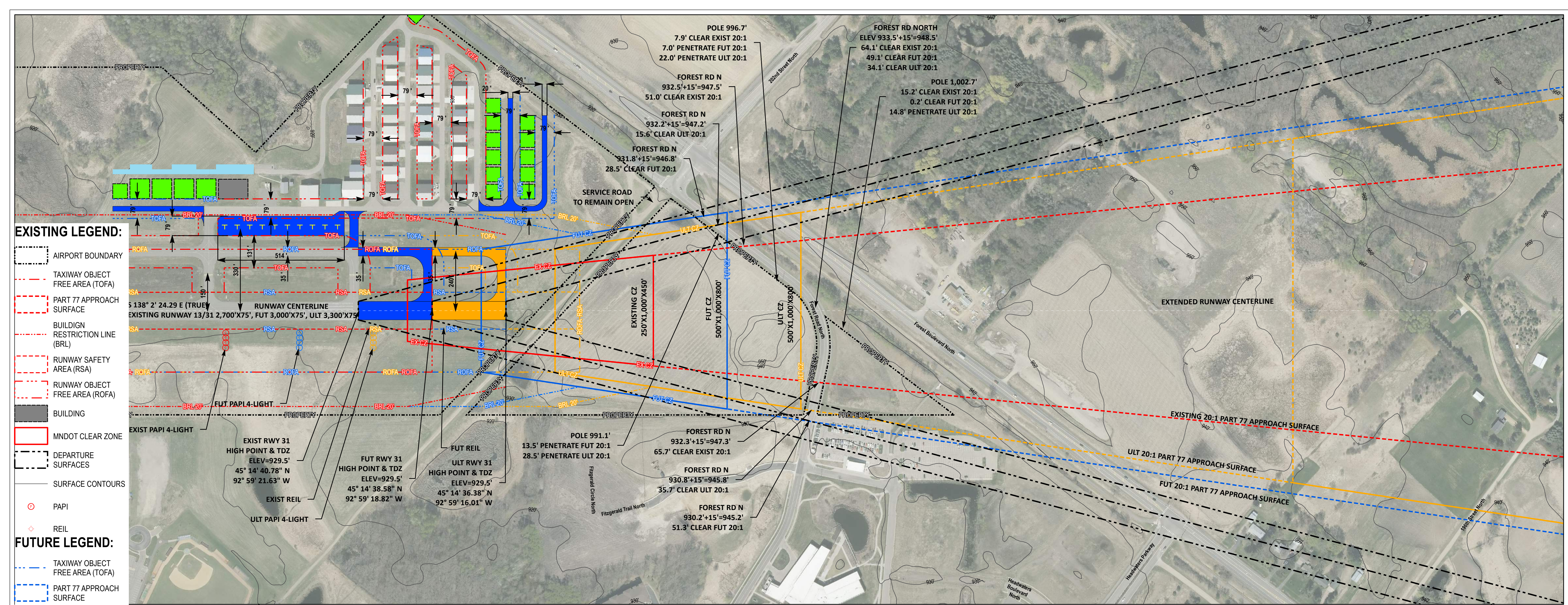
NOTES:
 1. NAVD88 VERTICAL DATUM & NAD83 COORDINATE SYSTEM WAS USED FOR THIS ALP SET.
 2. NO SIGNIFICANT HORIZONTAL SURFACE PENETRATIONS BEYOND INNER APPROACH VIEW



INNER PORTION OF THE APPROACH SURFACE RUNWAY 13 END (EXISTING FUTURE & ULTIMATE)

DATE	BY	CHANGE

BOLTON & MENK, INC.
 PROJECT NO. TS11.19609
 DATE: NOV 9, 2022



EXISTING LEGEND:

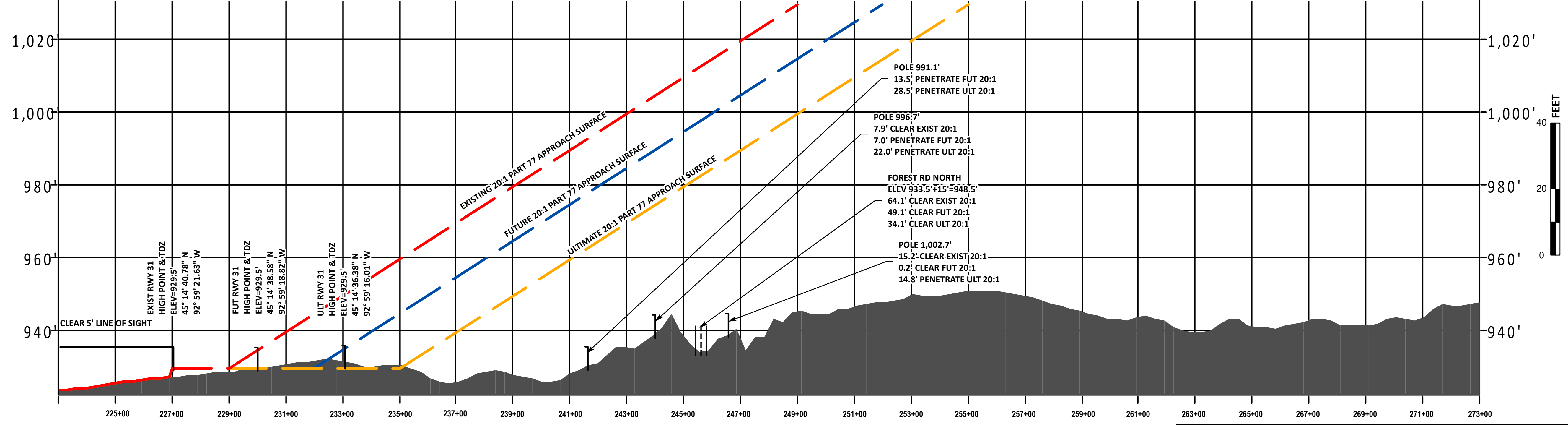
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- BUILDIGN RESTRICTION LINE (BRL)
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- BUILDING
- MNDOT CLEAR ZONE
- DEPARTURE SURFACES
- SURFACE CONTOURS
- PAPI
- REIL

FUTURE LEGEND:

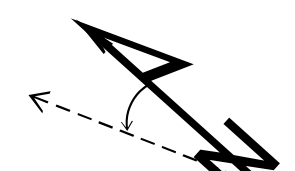
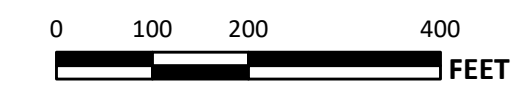
- TAXIWAY OBJECT FREE AREA (TOFA)
- PART 77 APPROACH SURFACE
- MNDOT CLEAR ZONE (CZ)
- VEHICLE PAVEMENT
- AIRCRAFT PAVEMENT
- BUILDING
- RUNWAY OBJECT FREE AREA (ROFA)
- RUNWAY SAFETY AREA (RSA)
- BUILDIGN RESTRICTION LINE (BRL)
- PAPI
- REIL

ULTIMATE LEGEND:

- TAXIWAY OBJECT FREE AREA (TOFA)
- PART 77 APPROACH SURFACE
- RUNWAY SAFETY AREA (RSA)
- BUILDIGN RESTRICTION LINE (BRL)
- RUNWAY OBJECT FREE AREA (ROFA)
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- AIRCRAFT PAVEMENT
- PAPI
- REIL



NOTES:
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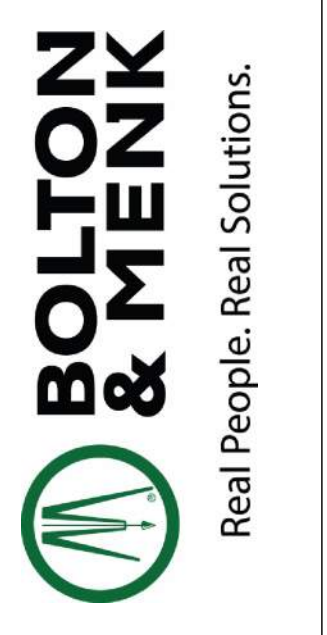


MAGNETIC DECLINATION 0° 8' W
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 DECLINATION EPOCH YEAR=2010

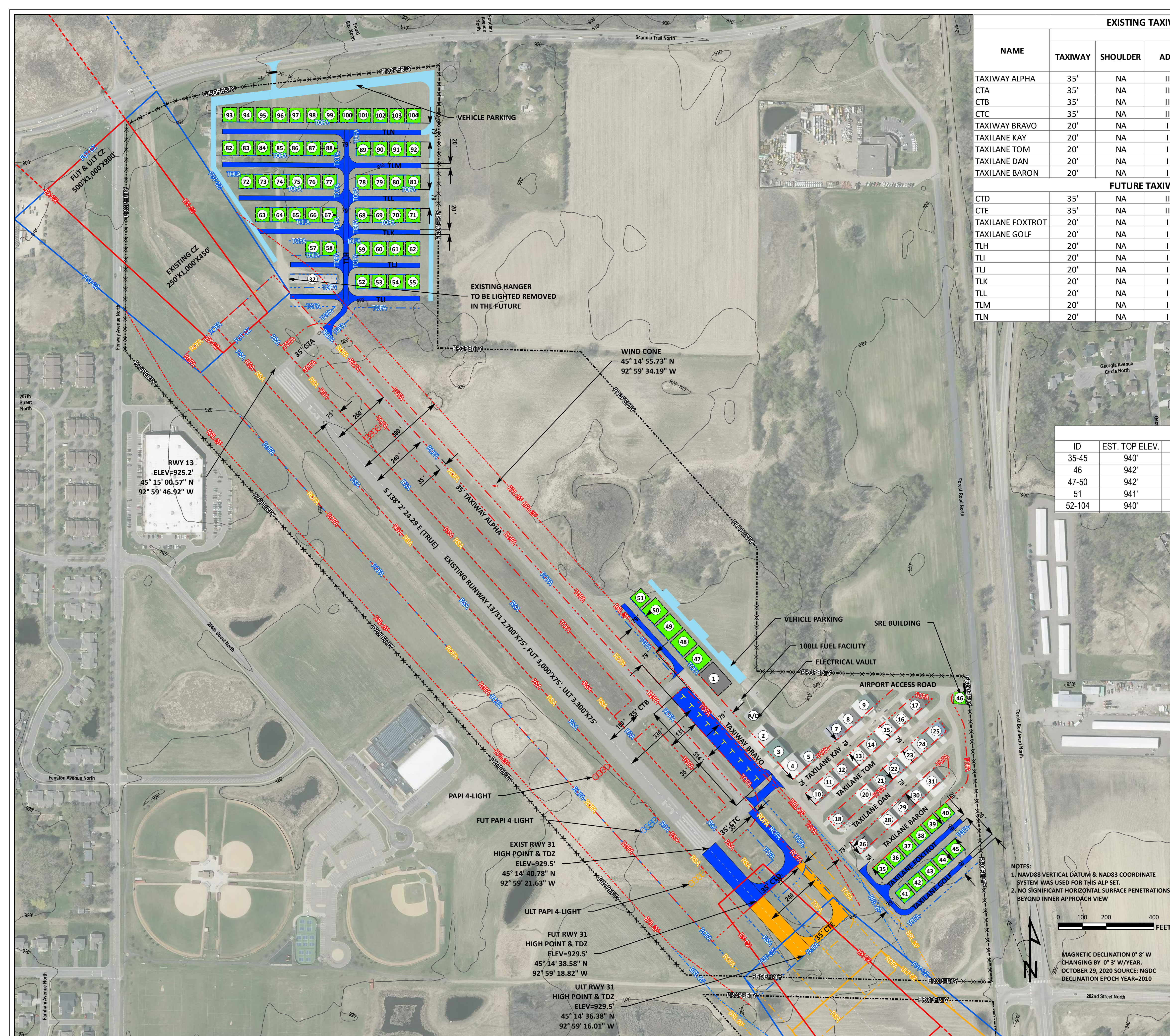


**INNER PORTION OF THE
 APPROACH SURFACE
 RUNWAY 31 END
 (EXISTING FUTURE & ULTIMATE)**

DATE	REVISIONS	BY	CHANGE



BOLTON & MENK, INC.
 PROJECT NO. TS1.119609
 DATE: NOV 9, 2022



NAME	WIDTH							LIGHTING	OBJECTS INSIDE TSA OR TOFA	SEPARATION FROM TAXIWAY CL TO FIXED OR MOVABLE OBJECT
	TAXIWAY	SHOULDER	ADG	TDG	TSA	TOFA	TESM			
TAXIWAY ALPHA	35'	NA	II	2	79'	131'	7.5'	REFLECTOR	NO	N/A
CTA	35'	NA	II	2	79'	131'	7.5'	REFLECTOR	NO	N/A
CTB	35'	NA	II	2	79'	131'	7.5'	REFLECTOR	NO	N/A
CTC	35'	NA	II	2	79'	131'	7.5'	REFLECTOR	NO	N/A
TAXIWAY BRAVO	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TAXILANE KAY	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TAXILANE TOM	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TAXILANE DAN	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TAXILANE BARON	20'	NA	I	1	49'	79'	5'	FLOOD	NO	N/A

FUTURE TAXIWAY/TAXILANE										
CTD	35'	NA	II	2	79'	131'	7.5'	REFLECTOR	NO	N/A
CTE	35'	NA	II	2	79'	131'	7.5'	REFLECTOR	NO	N/A
TAXILANE FOXTROT	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TAXILANE GOLF	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TLH	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TLI	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TLJ	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TLK	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TLL	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TLM	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A
TLN	20'	NA	I	1	49'	79'	5'	FLOOD	YES	N/A

FUTURE BUILDING TABLE				
ID	EST. TOP ELEV.	DESCRIPTION	OBST MARKING/LIGHTING	DISPOSITION
35-45	940'	PRIVATE HANGAR	NONE	TO BE CONSTRUCTED
46	942'	50'X50' SRE BUILDING	NONE	TO BE CONSTRUCTED
47-50	942'	FUTURE 80'X80' PRIVATE HANGAR	NONE	TO BE CONSTRUCTED
51	941'	FUTURE 60'X60' PRIVATE HANGAR	NONE	TO BE CONSTRUCTED
52-104	940'	PRIVATE HANGAR	NONE	TO BE REMOVED

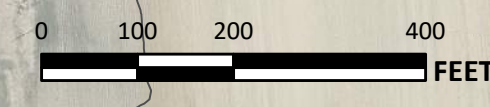
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51	941'	FUTURE 60'X60' PRIVATE HANGAR	NONE	TO BE CONSTRUCTED
52-104	940'	PRIVATE HANGAR	NONE	TO BE CONSTRUCTED

EXISTING LEGEND: AIRPORT BOUNDARY, TAXIWAY OBJECT FREE AREA (TOFA), PART 77 APPROACH SURFACE, BUILDIGN RESTRICTION LINE (BRL), RUNWAY SAFETY AREA (RSA), RUNWAY OBJECT FREE AREA (ROFA), BUILDING, MNDOT CLEAR ZONE, SURFACE CONTOURS, PAPI, REIL, WINDSOCK, GATE.

FUTURE LEGEND: TAXIWAY OBJECT FREE AREA (TOFA), PART 77 APPROACH SURFACE, MNDOT CLEAR ZONE (CZ), VEHICLE PAVEMENT, AIRCRAFT PAVEMENT, BUILDING, RUNWAY OBJECT FREE AREA (ROFA), RUNWAY SAFETY AREA (RSA), BUILDIGN RESTRICTION LINE (BRL), PAPI, REIL.

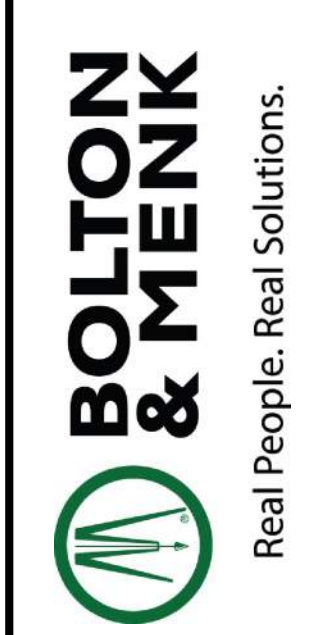
ULTIMATE: TAXIWAY OBJECT FREE AREA (TOFA), PART 77 APPROACH SURFACE, RUNWAY SAFETY AREA (RSA), BUILDIGN RESTRICTION LINE (BRL), RUNWAY OBJECT FREE AREA (ROFA), MNDOT CLEAR ZONE (CZ), AIRCRAFT, PAPI, REIL.

NOTES:
 1. NAVD88 VERTICAL DATUM & NAD83 COORDINATE SYSTEM WAS USED FOR THIS ALP SET.
 2. NO SIGNIFICANT HORIZONTAL SURFACE PENETRATIONS BEYOND INNER APPROACH VIEW



MAGNETIC DECLINATION 0° 8' W
 CHANGING BY 0° 3' W/YEAR.
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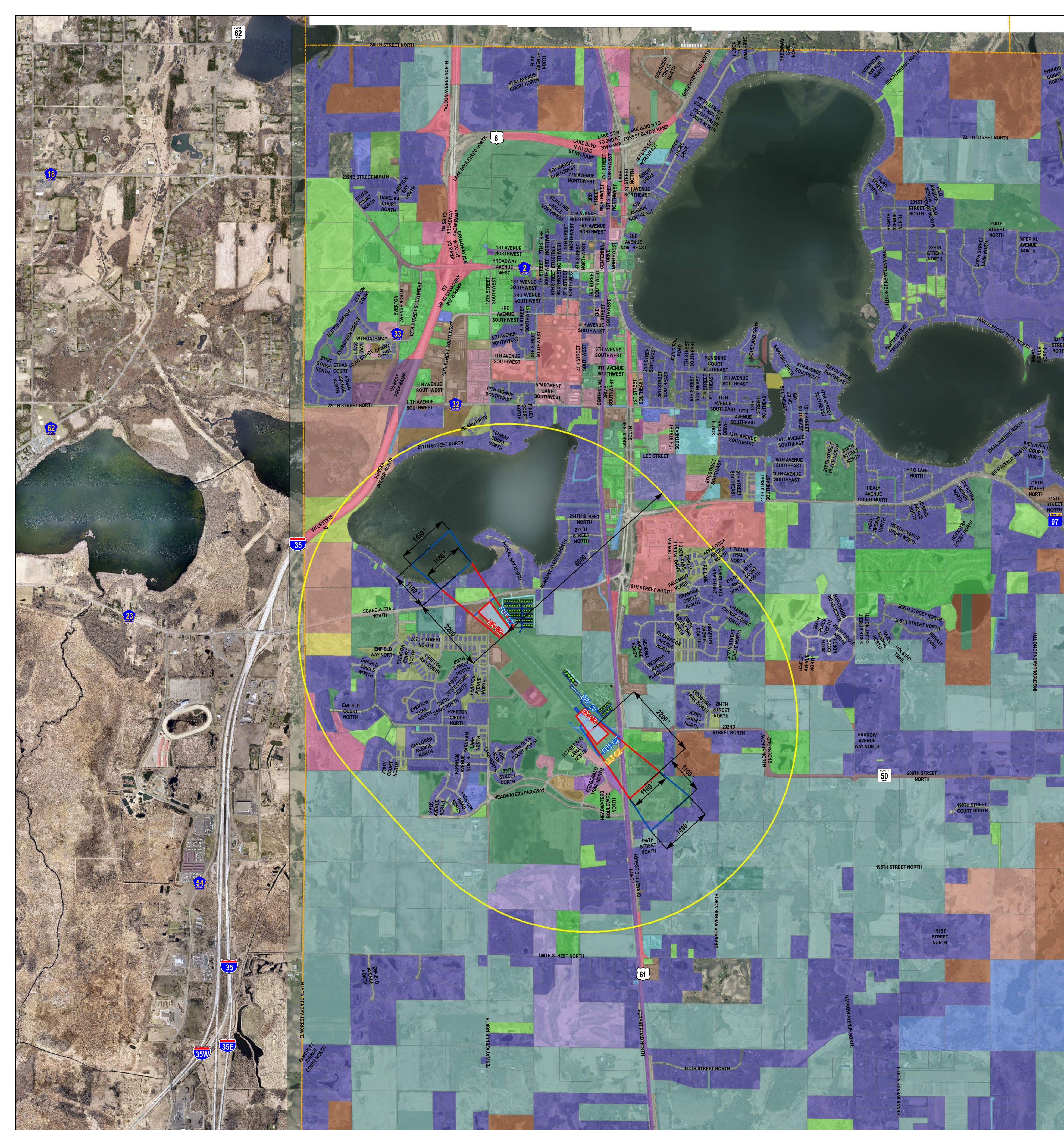
DATE	BY	REVISIONS	CHANGE



BOLTON & MENK, INC.
 PROJECT NO. TS1.119609
 DATE: NOV 9, 2022



TERMINAL AREA DRAWING



USE RESTRICTIONS

- GENERAL:** Subject at all times to the height restrictions set forth in Subsection IV B, no use shall be made of any land in any of the safety zones defined in Subsection V A which creates or causes interference with the operations of radio or electronic facilities on the airport or with radio or electronic communications between the airport and aircraft, makes it difficult for pilots to distinguish between airport lights and other lights, results in glare in the eyes of the pilots using the airport, impairs visibility in the vicinity of the airport, or otherwise endangers the landing, taking off, or maneuvering of aircraft.
- ZONE A:** Subject at all times to the height restrictions set forth in Section IV B and to the general restrictions contained in Subsection V B-1 areas designated as Zone A shall contain no buildings, temporary structures, exposed transmission lines, or other similar aboveground land use structural hazards, and shall be restricted to those uses which will not create, attract, or bring together an assembly of persons thereon. Permitted uses may include but are not limited to, such uses as agriculture (seasonal crops), horticulture, animal husbandry, raising of livestock, wildlife habitat, light outdoor recreation (nonspectator), cemeteries and auto parking.
- ZONE B:** Subject at all times to the height restrictions set forth in Subsection IV B, and to the general restrictions contained in Subsection V B -1, areas designated as Zone B shall be restricted in use as follows:
 - Each use shall be on a site whose area shall not be less than three acres.
 - Each use shall not create, attract, or bring together a site population that would exceed 15 times that of the site acreage.
 - Each site shall have no more than one building plot upon which any number of structures may be erected.
 - A building plot shall be a single, uniform and non-contrived area, whose shape is uncomplicated and whose area shall not exceed the following minimum ratios with respect to the total site area:

At Least (Acres)	But Less Than (Acres)	Ratio of Site Area to First Floor Bldg. Area	First Floor Bldg. Area (Sq. Ft.)	Max. Site Population (15 Persons/A)
3		12:1	10,900	45
	4	12:1		
4		10:1	17,400	60
	6	10:1		
6		8:1	32,700	90
	10	8:1		
10		6:1	72,600	150
	20	6:1		
20	And up	4:1	218,000	300

The following uses are specifically prohibited in Zone B: churches, hospitals, schools, theaters, stadiums, hotels and motels, trailer courts, camp grounds, and other places of public or semipublic assembly.

- ZONE C:** Zone C is subject only to the height restrictions set forth in Subsection IV B, and to the general restrictions contained in Subsection V B -1.

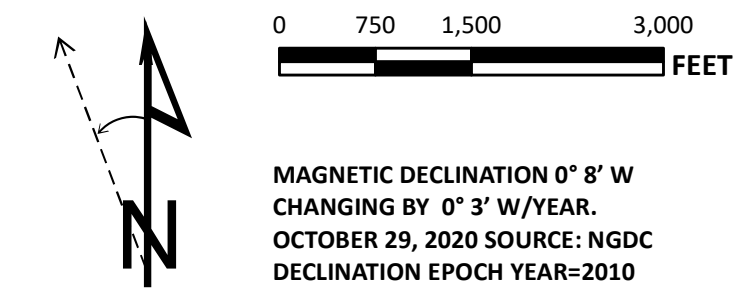
AIRPORT SAFETY ZONE DIMENSIONS	
DIMENSION	ZONING ORDINANCE
PRIMARY SURFACE WIDTH	500'
SAFETY ZONE A LENGTH	2,200'
SAFETY ZONE A WIDTH	1,192'
SAFETY ZONE B LENGTH	1,100'
SAFETY ZONE B WIDTH	1,192'
APPROACH SURFACE LENGTH	10,000'
APPROACH SURFACE OUTER WIDTH	3,500'
APPROACH SURFACE SLOPE	20:1
SAFETY ZONE C RADIUS	5,000'

LEGEND:

AIRPORT PROPERTY	100 Res 1 unit	335 Comm Services-Non Revenue	937 Arena/BParkNProf	965 T E Misc Co D 6
FAA RUNWAY PROTECTION ZONE (RPZ)	105 Res 2-3 units	337 Comm Serv-Donations Congr Charter	940 Wetlands	966 T E Misc Co D 7
EXISTING - MNDOT CLEAR ZONE	110 Apt 4+ units	352 MH Park Class I	951 Federal Property	967 T E Misc Co D 8
FUTURE - MNDOT CLEAR ZONE	125 SRR	900 MiscNotReported	952 State Property	981 State Acquired
ULTIMATE - MNDOT CLEAR ZONE	140 Res V Land	901 Schools-Public	954 Nursing Homes	982 State Admin-DNR
Parcels	200 Agricultural	902 Schools-Private	955 Co Srvc Other	983 Co Admin-TaxForf
TOWNSHIP	210 Ag 2 - 3 Units	912 Cemetery-Private	956 Muni Srvc Ent	984 Public Hunting
ZONE A	211 Rural Vacant Land	915 Church	958 Muni Srvc Other	990 InLieuTx Co D 1
ZONE B	300 Commercial	916 Church-Residence	959 Sp Tax District	
ZONE C	305 Industrial	918 Church - Other	962 T E Misc Co D 3	
	320 Q Golf Course	931 Charit Inst	963 T E Misc Co D 4	

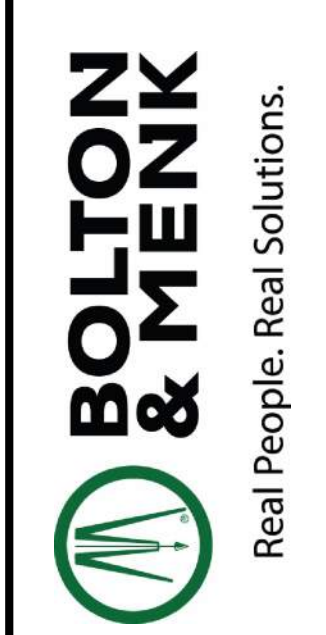
Washington County Zoning

- NOTES:**
- NAVD88 VERTICAL DATUM & NAD83 COORDINATE SYSTEM WAS USED FOR THIS ALP SET.
 - NO SIGNIFICANT HORIZONTAL SURFACE PENETRATIONS BEYOND INNER APPROACH VIEW

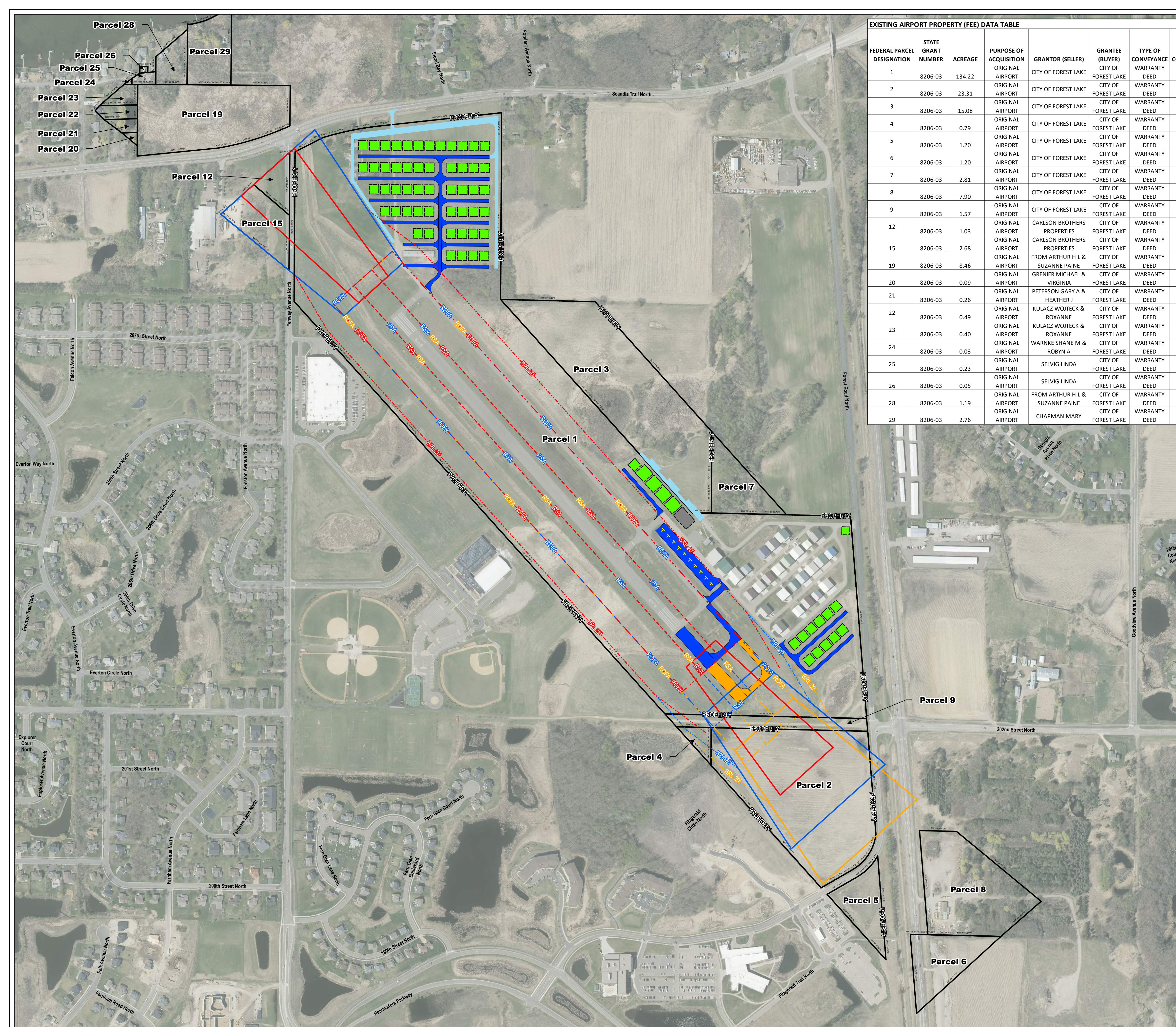


LAND USE AND STATE ZONING

DATE	BY	REVISIONS	CHANGE



BOLTON & MENK, INC.
 PROJECT NO. TS1.1.19609
 DATE: NOV 9, 2022



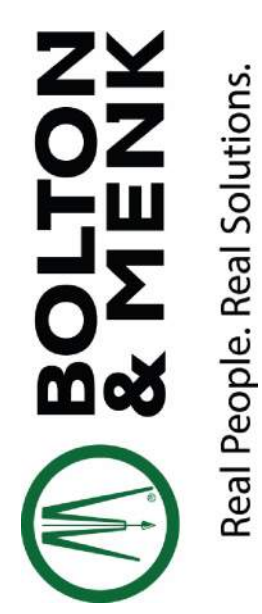
FEDERAL PARCEL DESIGNATION	STATE GRANT NUMBER	ACREAGE	PURPOSE OF ACQUISITION	GRANTOR (SELLER)	GRANTEE (BUYER)	TYPE OF CONVEYANCE	DATE OF CONVEYANCE	TYPE OF INTEREST ACQUIRED	RECORDED DOCUMENT NUMBER	MAP SHEET NUMBER	COUNTY TAX ID NUMBER	DATE OF OWNERSHIP & ENCUMBRANCE REPORT	ENCUMBRANCE DESIGNATIONS	NOTES
1	8206-03	134.22	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		FEE			20.0322.124.0002	N/A		
2	8206-03	23.31	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		FEE			20.0322.143.0005	N/A		
3	8206-03	15.08	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		FEE			20.0322.124.0002	N/A		
4	8206-03	0.79	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		FEE / LC			20.0322.143.0005	N/A		
5	8206-03	1.20	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		FEE / LC			20.0322.143.0006	N/A		
6	8206-03	1.20	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT/ LC			29.0322.111.0003	N/A		
7	8206-03	2.81	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		FEE			20.0322.113.0006	N/A		
8	8206-03	7.90	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		FEE			20.0322.144.0004	N/A		
9	8206-03	1.57	ORIGINAL AIRPORT	CITY OF FOREST LAKE	CITY OF FOREST LAKE	WARRANTY DEED		FEE			20.0322.142.0004	N/A		
12	8206-03	1.03	ORIGINAL AIRPORT	CARLSON BROTHERS PROPERTIES	CITY OF FOREST LAKE	WARRANTY DEED		FEE			19.0322.111.0003	N/A		
15	8206-03	2.68	ORIGINAL AIRPORT	CARLSON BROTHERS PROPERTIES	CITY OF FOREST LAKE	WARRANTY DEED		FEE			19.0322.111.0003	N/A		
19	8206-03	8.46	ORIGINAL AIRPORT	FROM ARTHUR H L & SUZANNE PAINE	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			19.0322.111.0005	N/A		
20	8206-03	0.09	ORIGINAL AIRPORT	GRENIER MICHAEL & VIRGINIA	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			19.0322.111.0010	N/A		
21	8206-03	0.26	ORIGINAL AIRPORT	PETERSON GARY A & HEATHER J	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			19.0322.111.0008	N/A		
22	8206-03	0.49	ORIGINAL AIRPORT	KULACZ WOJTECK & ROXANNE	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			19.0322.111.0007	N/A		
23	8206-03	0.40	ORIGINAL AIRPORT	KULACZ WOJTECK & ROXANNE	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			19.0322.111.0006	N/A		
24	8206-03	0.03	ORIGINAL AIRPORT	WARNKE SHANE M & ROBYN A	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			18.0322.144.0020	N/A		
25	8206-03	0.23	ORIGINAL AIRPORT	SELVIG LINDA	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			18.0322.144.0001	N/A		
26	8206-03	0.05	ORIGINAL AIRPORT	SELVIG LINDA	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			18.0322.144.0006	N/A		
28	8206-03	1.19	ORIGINAL AIRPORT	FROM ARTHUR H L & SUZANNE PAINE	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			18.0322.144.0004	N/A		
29	8206-03	2.76	ORIGINAL AIRPORT	CHAPMAN MARY	CITY OF FOREST LAKE	WARRANTY DEED		EASEMENT			18.0322.144.0003	N/A		

NOTES:
 1. NAVD88 VERTICAL DATUM & NAD83 COORDINATE SYSTEM WAS USED FOR THIS ALP SET.
 2. NO SIGNIFICANT HORIZONTAL SURFACE PENETRATIONS BEYOND INNER APPROACH VIEW

0 150 300 600 FEET

MAGNETIC DECLINATION 0° 8' W
 CHANGING BY 0° 3' W/YEAR.
 OCTOBER 29, 2020 SOURCE: NGDC
 DECLINATION EPOCH YEAR=2010

DATE	BY	REVISIONS	CHANGE



BOLTON & MENK, INC.
 PROJECT NO. TS11.19609
 DATE: NOV 9, 2022



AIRPORT PROPERTY INVENTORY MAP EXHIBIT "A"