VICINITY MAP
(NO SCALE)



AIRPORT LAYOUT PLAN

FOR

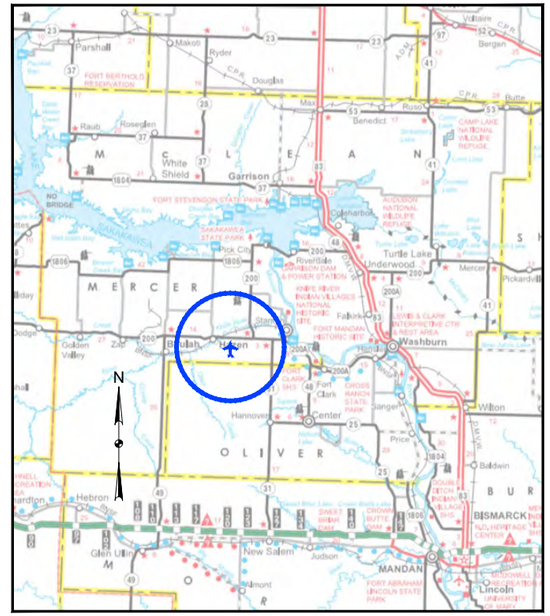
MERCER COUNTY REGIONAL AIRPORT

HAZEN, MERCER COUNTY, NORTH DAKOTA

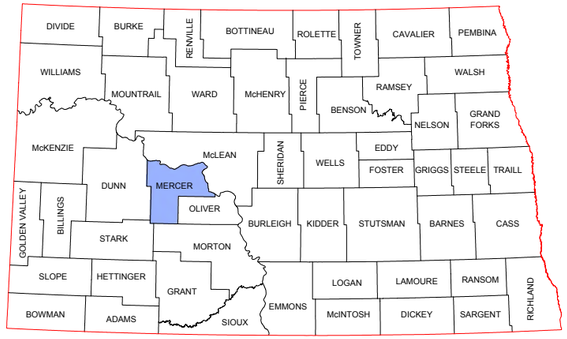
MERCER COUNTY AIRPORT AUTHORITY (OWNER)

November 2024

LOCATION MAP
(NO SCALE)



ON BEHALF OF THE MERCER COUNTY REGIONAL AIRPORT AUTHORITY, THIS AIRPORT LAYOUT PLAN (ALP) WAS PREPARED BY KLJ ACCORDING TO THE APPLICABLE ADVISORY CIRCULARS AT THE TIME OF SCOPING THE PROJECT. THE CURRENT VERSION OF THE ARP SOP 2.00 ALP CHECKLIST, AND ACCURATELY DEPICTS THE PROPOSED USE OF AIRSPACE AT THE TIME OF DATA COLLECTION. THE ALP CONFORMS WITH FAA DESIGN STANDARDS, EXCEPT AS NOTED.



STATE OF NORTH DAKOTA

REVISION	DATE

SHEET INDEX

1.	TITLE SHEET
2.	AIRPORT DATA SHEET
3.	AIRPORT LAYOUT PLAN
4.	TERMINAL AREA NORTH
5.	TERMINAL AREA SOUTH
6.	INNER PORTION OF THE APPROACH SURFACE - RUNWAY 15 END
7.	INNER PORTION OF THE APPROACH SURFACE - RUNWAY 15-33
8.	INNER PORTION OF THE APPROACH SURFACE - RUNWAY 33 END
9.	INNER PORTION OF THE APPROACH SURFACE - RUNWAY 15 END (ULTIMATE)
10.	INNER PORTION OF THE APPROACH SURFACE - RUNWAY 15-33 (ULTIMATE)
11.	INNER PORTION OF THE APPROACH SURFACE - RUNWAY 33 END (ULTIMATE)
12.	INNER PORTION OF THE APPROACH SURFACE - RUNWAY 4 END (ULTIMATE)
13.	INNER PORTION OF THE APPROACH SURFACE - RUNWAY 22 END (ULTIMATE)
14.	PART 77 AIRSPACE PLAN (ULTIMATE)
15.	RUNWAY DEPARTURE SURFACE
16.	LAND USE
EX-A1.	EXHIBIT "A" PARCEL INVENTORY MAP
EX-A2.	EXHIBIT "A" ENCUMBRANCE INVENTORY MAP

ALP APPROVALS

FEDERAL AVIATION ADMINISTRATION

SIGNATURE:_____
NAME:_____
TITLE:_____
DATE: _____

AIRSPACE APPROVAL

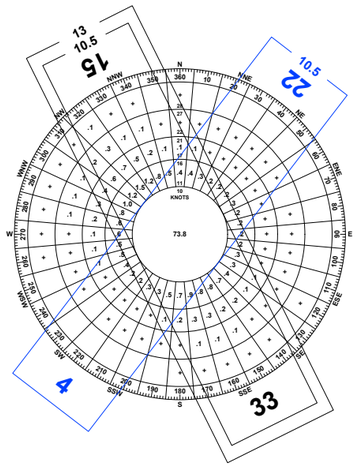
ALP AIRSPACE APPROVAL DATE: _____
CASE #:_____

N.D. STATE AERONAUTICS COMM.

SIGNATURE:_____
NAME:_____
TITLE:_____
DATE: _____

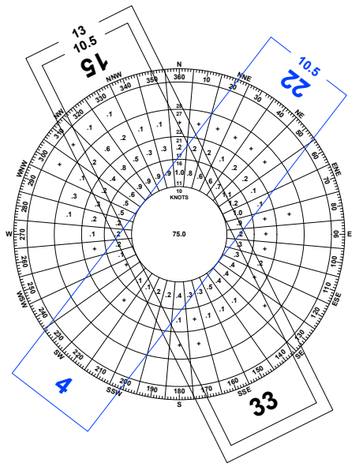
AIRPORT AUTHORITY

SIGNATURE:_____
NAME:_____
TITLE:_____
DATE: _____



ALL WEATHER

WINDROSE



IFR

ALL-WEATHER WIND COVERAGE		
CONFIGURATION	CROSSWIND COMPONENT	
	10.5 KNOTS	13 KNOTS
RUNWAY 15-33	93.50%	97.60%
RUNWAY 4-22	83.60%	-
COMBINED	97.61%	97.60%
SOURCE: KHZE AWOS (2012-2021, HOURLY) FROM NATIONAL CLIMATIC DATA CENTER		
83,657 TOTAL OBSERVATIONS		

INSTRUMENT FLIGHT RULES (IFR) WIND COVERAGE		
CONFIGURATION	CROSSWIND COMPONENT	
	10.5 KNOTS	13 KNOTS
RUNWAY 15-33	91.19%	96.67%
SOURCE: KHZE AWOS (2012-2021, HOURLY) FROM NATIONAL CLIMATIC DATA CENTER		
5,233 TOTAL OBSERVATIONS		
IFR = VISIBILITY LOWER THAN 3 MILES OR CEILING LOWER THAN 1,000 FEET		

PRELIMINARY - NOT FOR CONSTRUCTION

KLJ

NO.	DATE	REVISION
#	00/00/00	-
#	00/00/00	-
#	00/00/00	-

DRAFTED: MTK
REVIEWED: AJC
PROJECT NUMBER: 2205-01745
ISSUE DATE: 10/21/2024

MERCER COUNTY REGIONAL AIRPORT
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA
TITLE SHEET

SHEET 1

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RUNWAY DATA TABLE						
ITEM	PRIMARY RUNWAY					
	EXISTING (E)		ULTIMATE (U)		ULTIMATE (U)	
RUNWAY DESIGNATION	15	33	15	33	4	22
RUNWAY DESIGN CODE (RDC)	B-II-5000	B-II-5000	B-II-4000	B-II-4000	B-I(S)-VIS	B-I(S)-VIS
APPROACH REFERENCE CODE (APRC)	N/A	N/A	B-II-4000	B-II-4000	N/A	N/A
DEPARTURE REFERENCE CODE (DPRC)	N/A	N/A	B-II	B-II	N/A	N/A
RUNWAY DIMENSIONS	4998' x 75'		4998' x 75'		2215' x 100'	
RUNWAY LENGTH CRITERIA	SMALL, <10 PX (95% FLEET)		SMALL, <10 PX (95% FLEET)		-	
CRITICAL AIRCRAFT (TYPE)	B-II		B-II		B-I(S)	
CRITICAL AIRCRAFT (WINGSPAN)	79'		79'		49'	
CRITICAL AIRCRAFT (TAIL HEIGHT)	30'		30'		20'	
CRITICAL AIRCRAFT (APPROACH SPEED)	121 (Kts.)		121 (Kts.)		121 (Kts.)	
MAXIMUM TAKEOFF WEIGHT (MTOW)	17000 (LBS.)		17000 (LBS.)		12000 (LBS.)	
RUNWAY END ELEVATION	1786.8'	1814.7'	1786.8'	1814.7'	1785'	1782.8'
TOUCHDOWN ZONE ELEVATION (TDZE)	1786.9'	1814.7'	1786.9'	1814.7'	1785'	1785'
RUNWAY GRADIENT	0.558%		0.558%		0.099%	
MAX GRADE WITHIN RUNWAY LENGTH (%)	2.000%		2.000%		2.000%	
RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	YES		YES		YES	
RUNWAY LIGHTING	MIRL		MIRL		TURF EDGE MARKERS	
PAVEMENT TYPE	BITUMINOUS		BITUMINOUS		TURF	
RUNWAY CATEGORY	OTHER-THAN-UTILITY		OTHER-THAN-UTILITY		UTILITY	
PAVEMENT STRENGTH (WHEEL-LOAD)	17000 LBS (SW)		17000 LBS (SW)		-	
PAVEMENT CLASSIFICATION RATING (PCR)	-		-		-	
PAVEMENT MARKINGS	NON-PRECISION	NON-PRECISION	NON-PRECISION	NON-PRECISION	N/A	N/A
SURFACE TREATMENT	NONE		NONE		NONE	
RUNWAY SAFETY AREA (RSA)	5598' x 150'		5598' x 150'		2695' x 120'	
RUNWAY OBJECT FREE AREA (OFA)	5598' x 500'		5598' x 500'		2695' x 250'	
RUNWAY OBSTACLE FREE ZONE (OFZ)	5398' x 400'		5398' x 400'		2615' x 120'	
14 CFR PART 77 APPROACH TYPE	NON-PRECISION	NON-PRECISION	NON-PRECISION	NON-PRECISION	VISUAL	VISUAL
14 CFR PART 77 APPROACH SLOPE	34:1	34:1	34:1	34:1	20:1	20:1
14 CFR PART 77 APPROACH DIMENSIONS	500 X 3500 X 10000	500 X 3500 X 10000	1000 X 4000 X 10000	1000 X 4000 X 10000	250 X 1250 X 5000	250 X 1250 X 5000
VISIBILITY MINIMUMS	1 MILE	1 MILE	3/4 MILE	3/4 MILE	VISUAL	VISUAL
APPROACH SURFACE (AIRPORT DESIGN)	5	5	5	5	2	2
APPROACH SURFACE (AIRPORT DESIGN) SLOPE	20:1	20:1	20:1	20:1	20:1	20:1
APPROACH SURFACE (AIRPORT DESIGN) DIMENSIONS	STARTS 200' FROM THRESHOLD, 400' X 3400' X 10000'	STARTS 200' FROM THRESHOLD, 400' X 3400' X 10000'	STARTS 200' FROM THRESHOLD, 400' X 3400' X 10000'	STARTS 200' FROM THRESHOLD, 400' X 3400' X 10000'	STARTS AT THRESHOLD, 250' X 700' X 2250' X 2750'	STARTS AT THRESHOLD, 250' X 700' X 2250' X 2750'
VERTICAL GUIDANCE SURFACE (VGS)	30:1	30:1	30:1	30:1	NONE	NONE
VERTICAL GUIDANCE SURFACE (VGS) DIMENSIONS	275' X 1520' X 10200'	275' X 1520' X 10200'	275' X 1520' X 10200'	275' X 1520' X 10200'	NONE	NONE
DEPARTURE SURFACE	40:1	40:1	40:1	40:1	NONE	NONE
DEPARTURE SURFACE DIMENSIONS	1000' X 7512' X 12152'	1000' X 7512' X 12152'	1000' X 7512' X 12152'	1000' X 7512' X 12152'	NONE	NONE
AERONAUTICAL SURVEY-TYPE REQUIRED	VERTICALLY-GUIDED	VERTICALLY-GUIDED	VERTICALLY-GUIDED	VERTICALLY-GUIDED	-	-
RUNWAY ORIENTATION (TRUE)	153°	333°	153°	333°	47.29°	227.29°
MAGNETIC DECLINATION (2024)	6.15° (E)	6.15° (E)	6.15° (E)	6.15° (E)	6.15° (E)	6.15° (E)
RUNWAY ORIENTATION (MAGNETIC)	146.85°	326.85°	146.85°	326.85°	41.14°	221.14°
VISUAL AND INSTRUMENT NAVAIDS (NAVAIDs)	GPS, PAPI	GPS, PAPI, REIL	GPS, PAPI, REIL	GPS, PAPI, REIL	-	-
DISPLACED THRESHOLD	None	None	None	None	None	None
TAKEOFF RUNWAY AVAILABLE (TORA)	4998'	4998'	4998'	4998'	2215'	2215'
TAKEOFF DISTANCE AVAILABLE (TODA)	4998'	4998'	4998'	4998'	2215'	2215'
ACCELERATED STOP DISTANCE AVAILABLE (ASDA)	4998'	4998'	4998'	4998'	2215'	2215'
LANDING DISTANCE AVAILABLE (LDA)	4998'	4998'	4998'	4998'	2215'	2215'
RPZ DIMENSIONS - APPROACH	500' X 700' X 1000'	500' X 700' X 1000'	1000' X 1510' X 1700'	1000' X 1510' X 1700'	250' X 450' X 1000'	250' X 450' X 1000'
RPZ DIMENSIONS - DEPARTURE	500' X 700' X 1000'	500' X 700' X 1000'	500' X 700' X 1000'	500' X 700' X 1000'	250' X 450' X 1000'	250' X 450' X 1000'



NO SCALE

AIRPORT DATA TABLE		
ITEM	EXISTING (E)	ULTIMATE (U)
AIRPORT REFERENCE CODE (ARC)	B-II	B-II
AIRPORT OWNERSHIP	PUBLIC	PUBLIC
NPIAS SERVICE LEVEL	GENERAL AVIATION - PUBLIC	GENERAL AVIATION - PUBLIC
NPIAS ASSET CLASSIFICATION	LOCAL	LOCAL
STATE SYSTEM PLAN SERVICE LEVEL	Basic	Basic
AIRPORT ELEVATION (MSL)	1814.7'	1814.7'
AIRPORT REFERENCE POINT (ARP)	(N) 47° 17' 23.77"	(N) 47° 17' 28.45"
	(W) 101° 34' 51.52"	(W) 101° 34' 51.27"
MEAN MAX TEMPERATURE (MONTH)	84.0° (JUL.)	
AIRPORT NAVAIDS (FAA-OWNED)	-	-
AIRPORT NAVAIDS (SPONSOR-OWNED)	Lighted Windcone, Airport Beacon, AWOS	Lighted Windcone, Airport Beacon, AWOS
MISCELLANEOUS FACILITIES	-	-
MAGNETIC DECLINATION www.ngdc.noaa.gov/geomag-web/#declination	6.15° (E)	6.15° (E)
MAGNETIC DECLINATION DATE	2024	2024

TAXIWAY DATA TABLE		
	EXISTING (E)	ULTIMATE (U)
HIGHEST AIRPLANE DESIGN GROUP (ADG)	II	II
HIGHEST TAXIWAY DESIGN GROUP (TDG)	2A	2A
TAXIWAY WIDTH	35'	35'
TAXIWAY SAFETY AREA WIDTH	79'	79'
TAXIWAY OBJECT FREE AREA WIDTH	124'	124'
TAXIWAY EDGE SAFTETY MARGIN	7.5'	7.5'
TAXIWAY SHOULDER WIDTH	15'	15'
TAXIWAY LIGHTING	REFLECTORS	MITL
HIGHEST TAXILANE DESIGN GROUP (TDG)	2A	2A
TAXILANE WIDTH	35'	35'
TAXILANE OBJECT FREE AREA WIDTH	110'	110'
TAXILANE LIGHTING	REFLECTORS	REFLECTORS

MODIFICATION TO DESIGN STANDARDS				
APPROVAL DATE	AIRSPACE CASE #	LOCATION	STANDARD MODIFIED	DESCRIPTION
NONE KNOWN				

COORDINATE SUMMARY TABLE			
Point	Elevation	Latitude	Longitude
ARP	N/A	N 47° 17' 23.77"	W 101° 34' 51.52"
ARP (U)	N/A	N 47° 17' 28.45"	W 101° 34' 51.27"
RWY 15 END	1786.8	N 47° 17' 45.697"	W 101° 35' 08.114"
RWY 15 TDZE	1786.9	N 47° 17' 45.259"	W 101° 35' 07.783"
RWY 33 END & TDZE	1814.7	N 47° 17' 01.836"	W 101° 34' 34.931"
RWY 4 END (U) 4 & 22 TDZE (U)	1785.0	N 47° 17' 30.274"	W 101° 35' 00.331"
RWY 22 END (U)	1782.8	N 47° 17' 47.78"	W 101° 34' 41.082"
RWY INTERSECTION (U)	1785.0	N 47° 17' 32.369"	W 101° 34' 58.028"

ARP = Airport Reference Point RWY = Runway TDZE = Touchdown Zone Elevation Airport Elevation = 1814.7' (Rwy 33 END)

NOTES:

1. DATA USED WITHIN THIS AIRPORT LAYOUT PLAN SET IS BASED ON:
   - -AERONAUTICAL SURVEY (TOPOGRAPHIC) COMPLETED COMPLETED AUGUST 15, 2023 BY KLJ.
   - -AERONAUTICAL SURVEY (AERIAL) FLOWN JUNE 14, 2023 BY NV5 (INCLUDES CONTOUR DATA).
   - -USGS NATIONAL ELEVATION DATASET AT 1/9 ARC SECOND.
   - -QUADRANGLE MAPS FROM USGS.
   - (DATA IS ONLY AS ACCURATE AS THE SOURCES LISTED. ANY TOWERS, STRUCTURES, OR OBJECTS CONSTRUCTED AFTER THESE DATES ARE NOT REPRESENTED IN THIS AIRPORT LAYOUT PLAN SET.)
2. HORIZONTAL DATUM = (GRID) STATE PLANE, NAD 83, ND SOUTH - FIPS 3302, INTERNATIONAL FEET
3. VERTICAL DATUM = VERTICAL DATUM = NAVD 88, U.S. SURVEY FEET
4. LATITUDE & LONGITUDE CALCULATED USING CORPSCON VERSION 6.0.1.

PRELIMINARY - NOT FOR CONSTRUCTION

KLJ

NO.	DATE	REVISION
#	00/00/00	-
#	00/00/00	-
#	00/00/00	-

DRAFTED MTK
REVIEWED AJC
PROJECT NUMBER 2205-01745
ISSUE DATE 10/21/2024

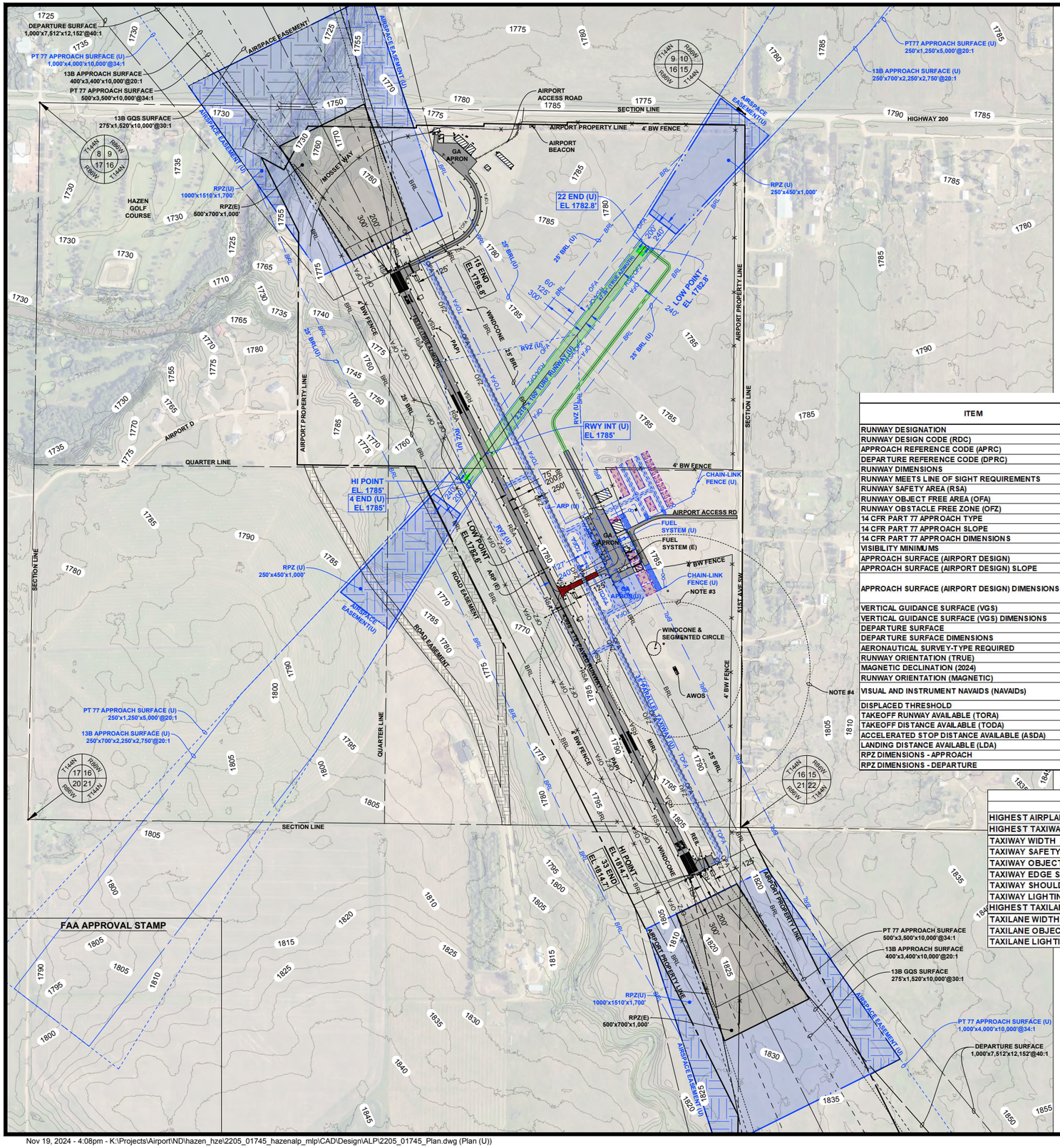
MERCER COUNTY REGIONAL AIRPORT

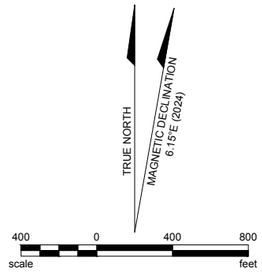
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA

AIRPORT DATA SHEET

SHEET 2

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NOTES:
1. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
2. SEE INNER APPROACH SHEETS FOR OBSTACLE DATA.
3. OBJECTS WITHIN 500' MUST REMAIN 15' BELOW WIND SENSOR.
4. OBJECTS 500'-1000' MUST REMAIN 10' BELOW WIND SENSOR.

LEGEND

EXISTING (E)	ITEM	ULTIMATE (U)
	AIRPORT HELD EASEMENT	
	RUNWAY PROTECTION ZONE (RPZ)	
BRL	BUILDING RESTRICTION LINE (BRL)	BRL
OFA	RUNWAY OBJECT FREE AREA (OFA)	OFA
RSA	RUNWAY SAFETY AREA (RSA)	RSA
TOFA	TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
N/A	BUILDING/BUILDING LOT	
ASPHALT / CONCRETE	AIRSIDE PAVED SURFACE	
	LANDSIDE ROAD/PARKING	
	TURF RUNWAY/TAXIWAY	
	TREE MASS & TREE SYMBOLS	NONE
xx	BARBED WIRE FENCE	xx
	CHAIN-LINK FENCE	
	WILDLIFE FENCE	
	POWER POLE/LIGHT POLE	
	AIRPLANE TIEDOWN	
	RUNWAY/THRESHOLD LIGHT	
	TAXIWAY LIGHT/TAXIWAY REFLECTOR	
	TURF RUNWAY MARKER (CONE/PRISM)	
	AIRPORT/DISTANCE TO GO SIGN	
	CULVERT WITH END SECTION	
N/A	BUILDING/PAVEMENT TO BE REMOVED	

RUNWAY DATA TABLE

ITEM	PRIMARY RUNWAY					
	EXISTING (E)		ULTIMATE (U)		ULTIMATE (U)	
RUNWAY DESIGNATION	15	33	15	33	4	22
RUNWAY DESIGN CODE (RDC)	B-II-5000	B-II-5000	B-II-4000	B-II-4000	B-I(S)-VIS	B-I(S)-VIS
APPROACH REFERENCE CODE (APRC)	N/A	N/A	B-II-4000	B-II-4000	N/A	N/A
DEPARTURE REFERENCE CODE (DPRC)	N/A	N/A	B-II	B-II	N/A	N/A
RUNWAY DIMENSIONS	4998' x 75'		4998' x 75'		2215' x 100'	
RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	YES		YES		YES	
RUNWAY SAFETY AREA (RSA)	5598' x 150'		5598' x 150'		2695' x 120'	
RUNWAY OBJECT FREE AREA (OFA)	5598' x 500'		5598' x 500'		2695' x 250'	
RUNWAY OBSTACLE FREE ZONE (OFZ)	5398' x 400'		5398' x 400'		2615' x 120'	
14 CFR PART 77 APPROACH TYPE	NON-PRECISION	NON-PRECISION	NON-PRECISION	NON-PRECISION	VISUAL	VISUAL
14 CFR PART 77 APPROACH SLOPE	34:1	34:1	34:1	34:1	20:1	20:1
14 CFR PART 77 APPROACH DIMENSIONS	500 X 3500 X 10000	500 X 3500 X 10000	1000 X 4000 X 10000	1000 X 4000 X 10000	250 X 1250 X 5000	250 X 1250 X 5000
VISIBILITY MINIMUMS	1 MILE	1 MILE	3/4 MILE	3/4 MILE	VISUAL	VISUAL
APPROACH SURFACE (AIRPORT DESIGN)	5	5	5	5	2	2
APPROACH SURFACE (AIRPORT DESIGN) SLOPE	20:1	20:1	20:1	20:1	20:1	20:1
APPROACH SURFACE (AIRPORT DESIGN) DIMENSIONS	STARTS 200' FROM THRESHOLD, 400' X 3400' X 10000'	STARTS 200' FROM THRESHOLD, 400' X 3400' X 10000'	STARTS 200' FROM THRESHOLD, 400' X 3400' X 10000'	STARTS 200' FROM THRESHOLD, 400' X 3400' X 10000'	STARTS AT THRESHOLD, 250' X 700' X 2250' X 2750'	STARTS AT THRESHOLD, 250' X 700' X 2250' X 2750'
VERTICAL GUIDANCE SURFACE (VGS)	30:1	30:1	30:1	30:1	NONE	NONE
VERTICAL GUIDANCE SURFACE (VGS) DIMENSIONS	275' X 1520' X 10200'	275' X 1520' X 10200'	275' X 1520' X 10200'	275' X 1520' X 10200'	NONE	NONE
DEPARTURE SURFACE	40:1	40:1	40:1	40:1	NONE	NONE
DEPARTURE SURFACE DIMENSIONS	1000' X 7512' X 12152'	1000' X 7512' X 12152'	1000' X 7512' X 12152'	1000' X 7512' X 12152'	NONE	NONE
AERONAUTICAL SURVEY-TYPE REQUIRED	VERTICALLY-GUIDED	VERTICALLY-GUIDED	VERTICALLY-GUIDED	VERTICALLY-GUIDED	-	-
RUNWAY ORIENTATION (TRUE)	153°	333°	153°	333°	47.29°	227.29°
MAGNETIC DECLINATION (2024)	6.15° (E)	6.15° (E)	6.15° (E)	6.15° (E)	6.15° (E)	6.15° (E)
RUNWAY ORIENTATION (MAGNETIC)	146.85°	326.85°	146.85°	326.85°	41.14°	221.14°
VISUAL AND INSTRUMENT NAVAIDS (NAVAIDs)	GPS, PAPI	GPS, PAPI, REIL	GPS, PAPI, REIL	GPS, PAPI, REIL	-	-
DISPLACED THRESHOLD	None	None	None	None	None	None
TAKEOFF RUNWAY AVAILABLE (TORA)	4998'	4998'	4998'	4998'	2215'	2215'
TAKEOFF DISTANCE AVAILABLE (TODA)	4998'	4998'	4998'	4998'	2215'	2215'
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LANDING DISTANCE AVAILABLE (LDA)	4998'	4998'	4998'	4998'	2215'	2215'
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RPZ DIMENSIONS - DEPARTURE	500' X 700' X 1000'	500' X 700' X 1000'	500' X 700' X 1000'	500' X 700' X 1000'	250' X 450' X 1000'	250' X 450' X 1000'

TAXIWAY DATA TABLE

	EXISTING (E)	ULTIMATE (U)
HIGHEST AIRPLANE DESIGN GROUP (ADG)	II	II
HIGHEST TAXIWAY DESIGN GROUP (TDG)	2A	2A
TAXIWAY WIDTH	35'	35'
TAXIWAY SAFETY AREA WIDTH	79'	79'
TAXIWAY OBJECT FREE AREA WIDTH	124'	124'
TAXIWAY EDGE SAFTETY MARGIN	7.5'	7.5'
TAXIWAY SHOULDER WIDTH	15'	15'
TAXIWAY LIGHTING	REFLECTORS	MITL
HIGHEST TAXILANE DESIGN GROUP (TDG)	2A	2A
TAXILANE WIDTH	35'	35'
TAXILANE OBJECT FREE AREA WIDTH	110'	110'
TAXILANE LIGHTING	REFLECTORS	REFLECTORS

COORDINATE SUMMARY TABLE

Point	Elevation	Latitude	Longitude
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RWY 4 END (U) & 22 TDZE (U)	1785.0	N 47° 17' 30.274"	W 101° 35' 00.331"
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ARP = Airport Reference Point RWY = Runway TDZE = Touchdown Zone Elevation Airport Elevation = 1814.7' (Rwy 33 END)

KLJ

NO.	DATE	REVISION
#	00/00/00	
#	00/00/00	
#	00/00/00	

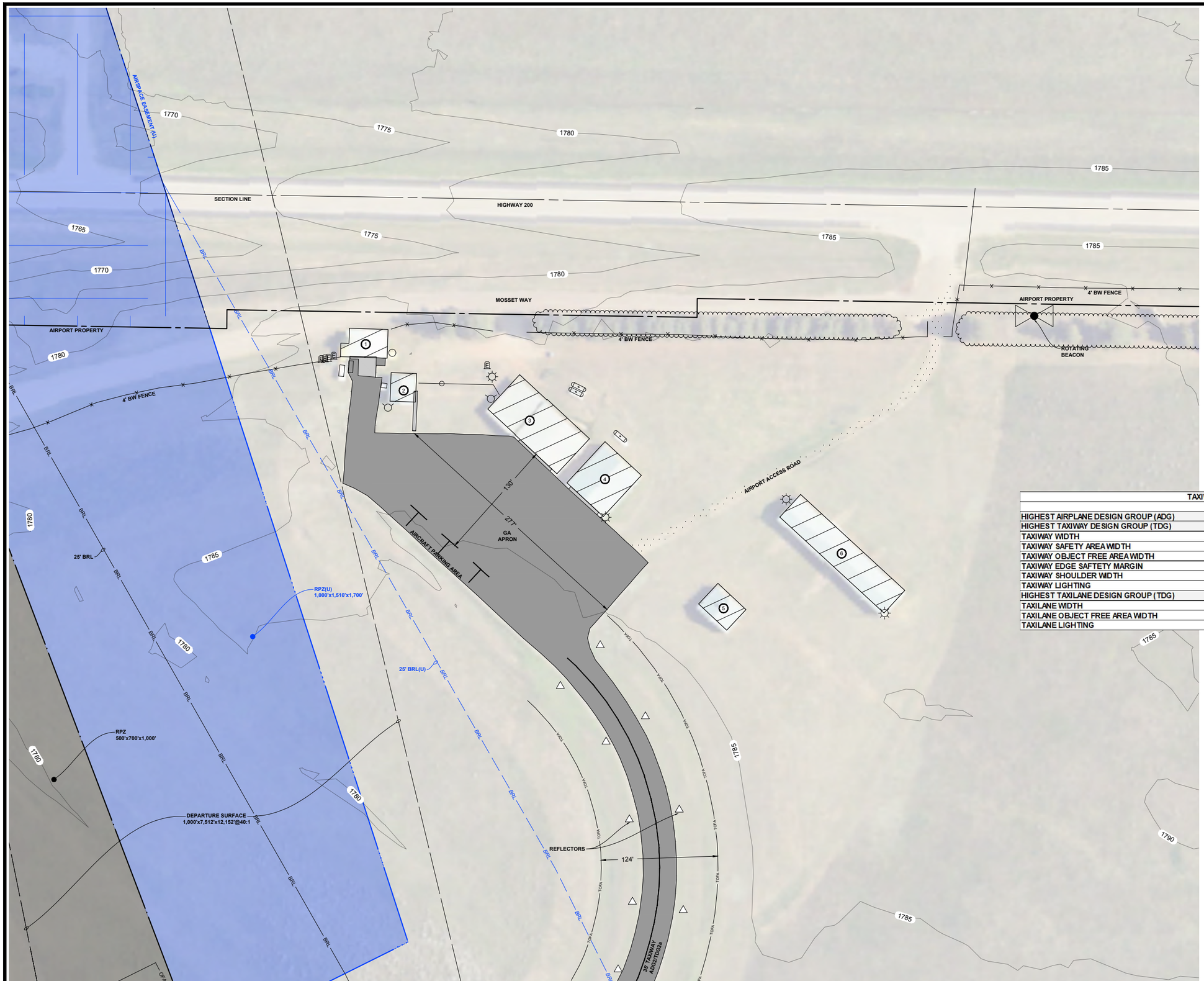
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ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA
AIRPORT LAYOUT PLAN

SHEET 3

PRELIMINARY - NOT FOR CONSTRUCTION

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NOTES:
1. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
2. SEE INNER APPROACH SHEETS FOR OBSTACLE DATA.

LEGEND

EXISTING (E)	ITEM	ULTIMATE (U)
	AIRPORT HELD EASEMENT	
	RUNWAY PROTECTION ZONE (RPZ)	
BRL	BUILDING RESTRICTION LINE (BRL)	BRL
OFA	RUNWAY OBJECT FREE AREA (OFA)	OFA
RSA	RUNWAY SAFETY AREA (RSA)	RSA
TOFA	TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
N/A	BUILDING/BUILDING LOT	BUILDING/BUILDING LOT
ASPHALT CONCRETE	AIRSIDE PAVED SURFACE	
	LANDSIDE ROAD/PARKING	
	TURF RUNWAY/TAXIWAY	
	TREE MASS & TREE SYMBOLS	NONE
	BARBED WIRE FENCE	
	CHAIN-LINK FENCE	
	WILDLIFE FENCE	
	POWER POLE/LIGHT POLE	
	AIRPLANE TIEDOWN	
	RUNWAY/THRESHOLD LIGHT	
	TAXIWAY LIGHT/TAXIWAY REFLECTOR	
	TURF RUNWAY MARKER (CONE/PRISM)	
	AIRPORT/DISTANCE TO GO SIGN	
	CULVERT WITH END SECTION	
N/A	BUILDING/PAVEMENT TO BE REMOVED	
	LIQUID PROPANE STORAGE TANK	
	WATER FIRE HYDRANT	NONE
	ELECTRICAL JUNCTION BOX/PEDISTAL	

STRUCTURE IDENTIFICATION TABLE

ID	DESCRIPTION	PEAK ELEVATION	DISPOSITION
1	HANGAR	1802.4	TO REMAIN
2	STORAGE BUILDING	1799.9	TO REMAIN
3	HANGAR	1804.3	TO REMAIN
4	HANGAR	1807.4	TO REMAIN
5	HANGAR	1804.9	TO REMAIN
6	HANGAR	1806.3	TO REMAIN

TAXIWAY DATA TABLE

	EXISTING (E)	ULTIMATE (U)
HIGHEST AIRPLANE DESIGN GROUP (ADG)	II	II
HIGHEST TAXIWAY DESIGN GROUP (TDG)	2A	2A
TAXIWAY WIDTH	35'	35'
TAXIWAY SAFETY AREA WIDTH	79'	79'
TAXIWAY OBJECT FREE AREA WIDTH	124'	124'
TAXIWAY EDGE SAFTETY MARGIN	7.5'	7.5'
TAXIWAY SHOULDER WIDTH	15'	15'
TAXIWAY LIGHTING	REFLECTORS	MITL
HIGHEST TAXILANE DESIGN GROUP (TDG)	2A	2A
TAXILANE WIDTH	35'	35'
TAXILANE OBJECT FREE AREA WIDTH	110'	110'
TAXILANE LIGHTING	REFLECTORS	REFLECTORS

TRUE NORTH
MAGNETIC DECLINATION 6.15°E (2024)

50 0 50 100
scale feet

NO.	DATE	REVISION
#	00/00/00	
#	00/00/00	
#	00/00/00	

DRAFTED MTK
REVIEWED AJC
PROJECT NUMBER 2205-01745
ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA
TERMINAL AREA NORTH

SHEET 4

PRELIMINARY - NOT FOR CONSTRUCTION

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NOTES:
1. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
2. SEE INNER APPROACH SHEETS FOR OBSTACLE DATA.
3. OBJECTS 500'-1000' MUST REMAIN 10' BELOW WIND SENSOR.
4. OBJECTS WITHIN 500' MUST REMAIN 15' BELOW WIND SENSOR.

LEGEND

EXISTING (E)	ITEM	ULTIMATE (U)
	AIRPORT HELD EASEMENT	
	RUNWAY PROTECTION ZONE (RPZ)	
BRL	BUILDING RESTRICTION LINE (BRL)	BRL
OFA	RUNWAY OBJECT FREE AREA (OFA)	OFA
RSA	RUNWAY SAFETY AREA (RSA)	RSA
TOFA	TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
N/A	BUILDING/BUILDING LOT	
ASPHALT / CONCRETE	AIRSIDE PAVED SURFACE	
	LANDSIDE ROAD/PARKING	
	TURF RUNWAY/TAXIWAY	
	TREE MASS & TREE SYMBOLS	NONE
	BARBED WIRE FENCE	
	CHAIN-LINK FENCE	
SW	WILDLIFE FENCE	
	POWER POLE/LIGHT POLE	
	AIRPLANE TIEDOWN	
	RUNWAY/THRESHOLD LIGHT	
	TAXIWAY LIGHT/TAXIWAY REFLECTOR	
	TURF RUNWAY MARKER (CONE/PRISM)	
	AIRPORT/DISTANCE TO GO SIGN	
	CULVERT WITH END SECTION	
N/A	BUILDING/PAVEMENT TO BE REMOVED	

STRUCTURE IDENTIFICATION TABLE

ID	DESCRIPTION	PEAK ELEVATION	DISPOSITION
7	HANGAR	1817	TO REMAIN
8	HANGAR	1812.8	TO REMAIN
9	TERMINAL BUILDING	1799.1	TO REMAIN
10	SRE BUILDING	1803.2	TO REMAIN
11	ELECTRICAL BUILDING	1783	TO REMAIN
12	STORAGE BUILDING	1783	TO REMAIN

PLANNED IMPROVEMENT SCHEDULE (U)

ID	DESCRIPTION
A	50'X50' HANGAR
B	10 UNIT T-HANGAR
C	4 UNIT T-HANGAR
D	FBO BUILDING EXPANSION
E	60'X70' HANGAR
F	SRE EXPANSION
G	80'X80' HANGAR

TAXIWAY DATA TABLE

	EXISTING (E)	ULTIMATE (U)
HIGHEST AIRPLANE DESIGN GROUP (ADG)	II	II
HIGHEST TAXIWAY DESIGN GROUP (TDG)	2A	2A
TAXIWAY WIDTH	35'	35'
TAXIWAY SAFETY AREA WIDTH	79'	79'
TAXIWAY OBJECT FREE AREA WIDTH	124'	124'
TAXIWAY EDGE SAFTETY MARGIN	7.5'	7.5'
TAXIWAY SHOULDER WIDTH	15'	15'
TAXIWAY LIGHTING	REFLECTORS	MITL
HIGHEST TAXILANE DESIGN GROUP (TDG)	2A	2A
TAXILANE WIDTH	35'	35'
TAXILANE OBJECT FREE AREA WIDTH	110'	110'
TAXILANE LIGHTING	REFLECTORS	REFLECTORS

TRUE NORTH
MAGNETIC DECLINATION 6.15°E (2024)

50 0 50 100
scale feet

KLJ

NO.	DATE	REVISION
#	00/00/00	
#	00/00/00	
#	00/00/00	

DRAFTED MTK
REVIEWED AJC
PROJECT NUMBER 2205-01745
ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT

MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA

TERMINAL AREA SOUTH

SHEET 5

Nov 19, 2024 - 4:08pm - K:\Projects\Airport\ND\hazen_hze\2205_01745_hazenalp_mlp\CAD\Design\ALP\2205_01745_Terminal.dwg (Terminal(South))

PRELIMINARY - NOT FOR CONSTRUCTION

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NOTES:
1. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
2. OBSTACLE ELEVATIONS INCLUDE PART 77 TRAVERSE WAY ADJUSTMENTS.
3. ID'S ASSIGNED TO SIGNIFICANT OBJECTS WITHIN 5' OF A SURFACE.

RAILROAD EL 1753'
RAILROAD EL 1753'
RAILROAD EL 1753'
RAILROAD EL 1753'
RAILROAD EL 1748'
RAILROAD EL 1753'
KNIFE RIVER
ROAD EL 1770'
ROAD EL 1765'
ROAD EL 1750'
ROAD EL 1796'
ROAD EL 1795'
ROAD EL 1796'
RPZ 500'x700'x1,000'
AIRSPACE EASEMENT
AIRPORT PROPERTY LINE
HWY 200
4' BW FENCE
REFLECTOR
25' BRL
WINDCONE
15 END EL 1786.8'
PAPI
MIRL
4,998'x75' PAVED RUNWAY
153.55° (TRUE AZIMUTH)
15 END TDZE EL 1786.9'
GQS SURFACE 275'x1,520'x10,200'@30:1
13B APPROACH SURFACE 400'x3,400'x10,000'@20:1
PT 77 APPROACH SURFACE 500'x3,500'x10,000'@34:1
MOSSET WAY
MAGNETIC DECLINATION 8.15°E (2024)
TRUE NORTH
200 0 200 400 feet scale

NOTE: ANY PORTION OF AN OBSTACLE PENETRATING AN AIRSPACE SURFACE IS SHOWN IN RED BELOW. AN FAA AERONAUTICAL STUDY WILL BE REQUIRED TO DETERMINE IF ANY OBSTRUCTION IS A HAZARD TO AIR NAVIGATION.

10,000' @ 34:1 PT 77 APPROACH SURFACE
10,200' @ 30:1 GQS SURFACE
10,000' @ 20:1 13B APPROACH SURFACE
BEGIN RUNWAY 15-33 (EXISTING & ULTIMATE)
-0.43% 300' RSA GRADIENT
EL 1786.8'
15 END TDZE EL 1786.9'
5' LINE OF SIGHT
RWY ℄ PROFILE
EXTENDED ℄ PROFILE
15-6
15-7
15-8
15-9

15 END OBSTRUCTION TABLE (EXISTING)

ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 13B AP	34:1 PT 77 AP	30:1 GQS	DISPOSITION	TRIGGERING EVENT
15-6	TREE	1788'	-	1.6'	-	-	-		INSTRUMENT APPROACH	TO BE REMOVED
15-7	TREE	1800'	-	-	(3.6')	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-8	FENCE	1790'	4'	-	(4.4')	-	-	-	INSTRUMENT APPROACH	TO BE RELCOATED
15-9	TREE	1806'	-	-	-	(15.0')	(0.9')	(10.2')	INSTRUMENT APPROACH	TO BE REMOVED

BASED ON AERONAUTICAL SURVEY BY NV5 FLOWN JUNE 14, 2023
SURFACES: PR=PRIMARY TR=TRANSITIONAL 13B AP=13B APPROACH PT77 AP=PART 77 APPROACH
(#.#')=BELOW SURFACE #.#'=PENETRATION VALUE

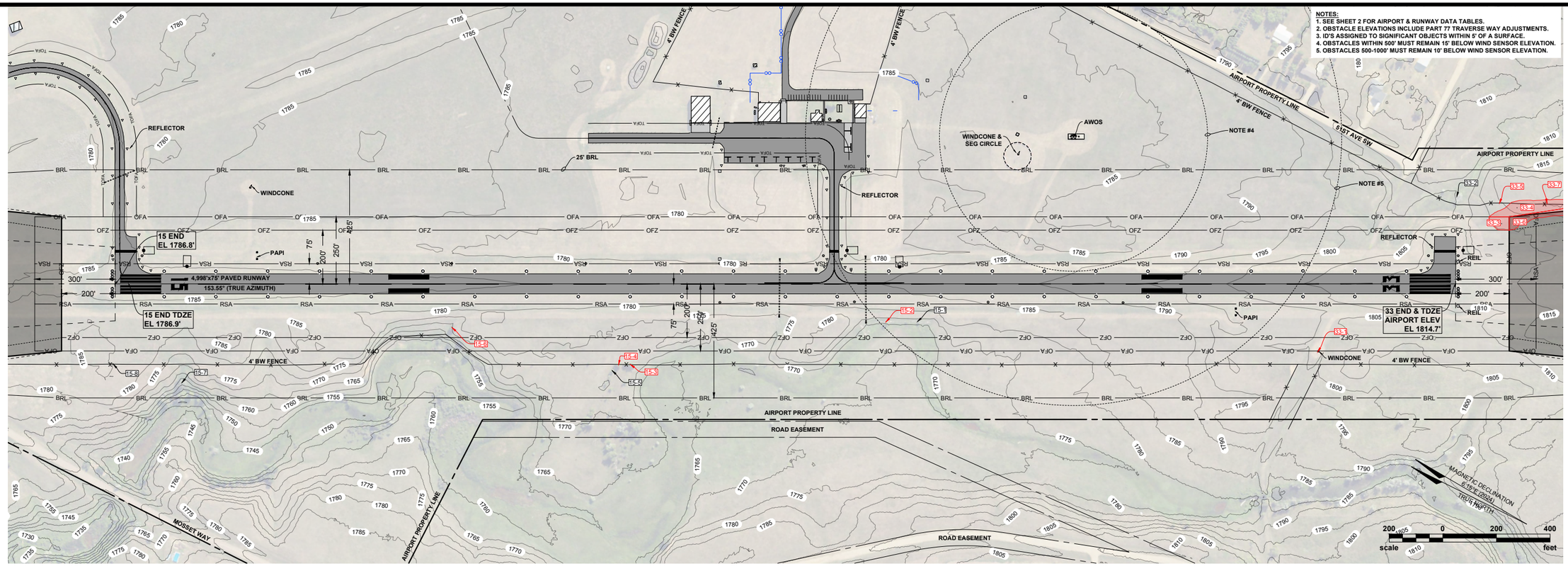
NO.	DATE	REVISION
#	00/00/00	
#	00/00/00	
#	00/00/00	

DRAFTED TLG
REVIEWED AJC
PROJECT NUMBER 2205-01745
ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA
INNER PORTION OF THE APPROACH SURFACE RUNWAY 15 END

SHEET 6

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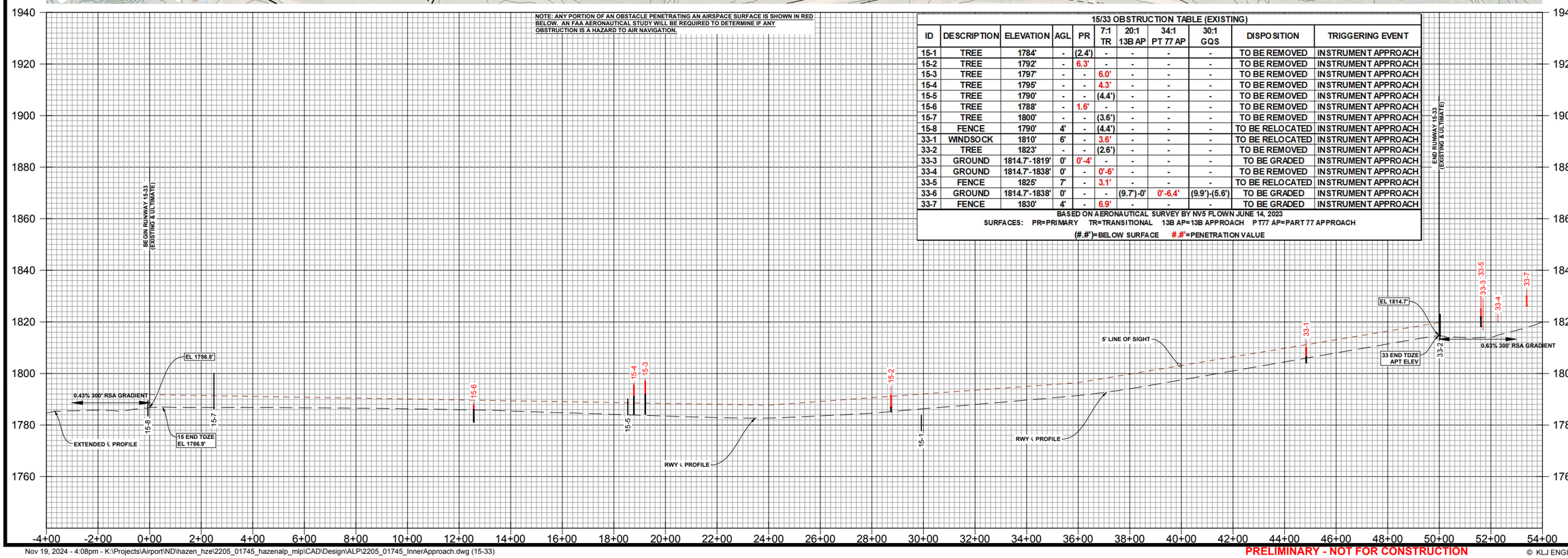


NOTE: ANY PORTION OF AN OBSTACLE PENETRATING AN AIRSPACE SURFACE IS SHOWN IN RED BELOW. AN FAA AERONAUTICAL STUDY WILL BE REQUIRED TO DETERMINE IF ANY OBSTRUCTION IS A HAZARD TO AIR NAVIGATION.

15/33 OBSTRUCTION TABLE (EXISTING)

ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 13B AP	34:1 PT 77 AP	30:1 GQS	DISPOSITION	TRIGGERING EVENT
15-1	TREE	1784'	-	(2.4')	-	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
15-2	TREE	1792'	-	6.3'	-	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
15-3	TREE	1797'	-	-	6.0'	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
15-4	TREE	1795'	-	-	4.3'	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
15-5	TREE	1790'	-	-	(4.4')	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
15-6	TREE	1788'	-	1.6'	-	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
15-7	TREE	1800'	-	-	(3.6')	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
15-8	FENCE	1790'	4'	-	(4.4')	-	-	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-1	WINDSOCK	1810'	6'	-	3.6'	-	-	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-2	TREE	1823'	-	-	(2.6')	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
33-3	GROUND	1814.7'-1819'	0'	0'-4'	-	-	-	-	TO BE GRADED	INSTRUMENT APPROACH
33-4	GROUND	1814.7'-1838'	0'	-	0'-6'	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
33-5	FENCE	1825'	7'	-	3.1'	-	-	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-6	GROUND	1814.7'-1838'	0'	-	-	(9.7')-0'	0'-6.4'	(9.9')-(5.6')	TO BE GRADED	INSTRUMENT APPROACH
33-7	FENCE	1830'	4'	-	6.9'	-	-	-	TO BE GRADED	INSTRUMENT APPROACH

BASED ON AERONAUTICAL SURVEY BY NV5 FLOWN JUNE 14, 2023
SURFACES: PR=PRIMARY TR=TRANSITIONAL 13B AP=13B APPROACH PT77 AP=PART 77 APPROACH
(#.#')=BELOW SURFACE #.#'=PENETRATION VALUE



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NO.	DATE	REVISION
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DRAFTED TLG
REVIEWED AJC
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ISSUE DATE 10/21/2024

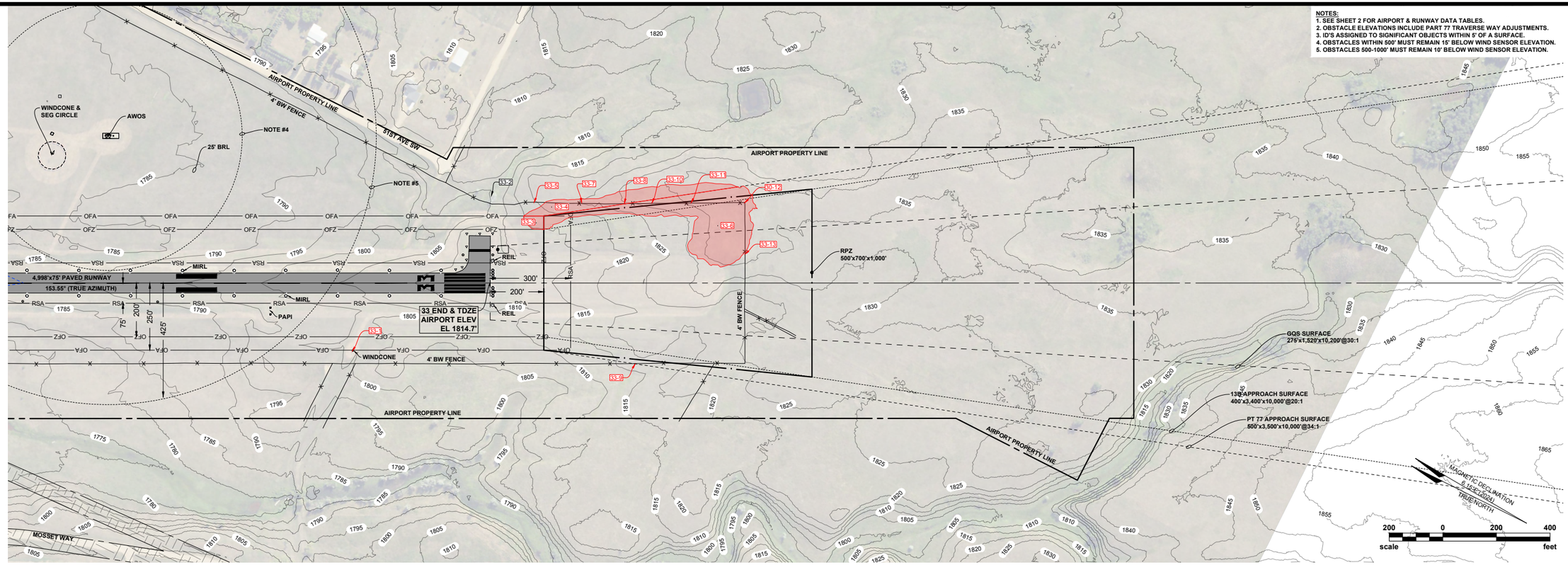
MERCER COUNTY REGIONAL AIRPORT
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA
INNER PORTION OF THE APPROACH SURFACE RUNWAY 15/33

SHEET 7

Nov 19, 2024 - 4:08pm - K:\Projects\Airport\ND\hazen_hze\2205_01745_hazenalp_mlp\CAD\Design\ALP\2205_01745_InnerApproach.dwg (15-33)

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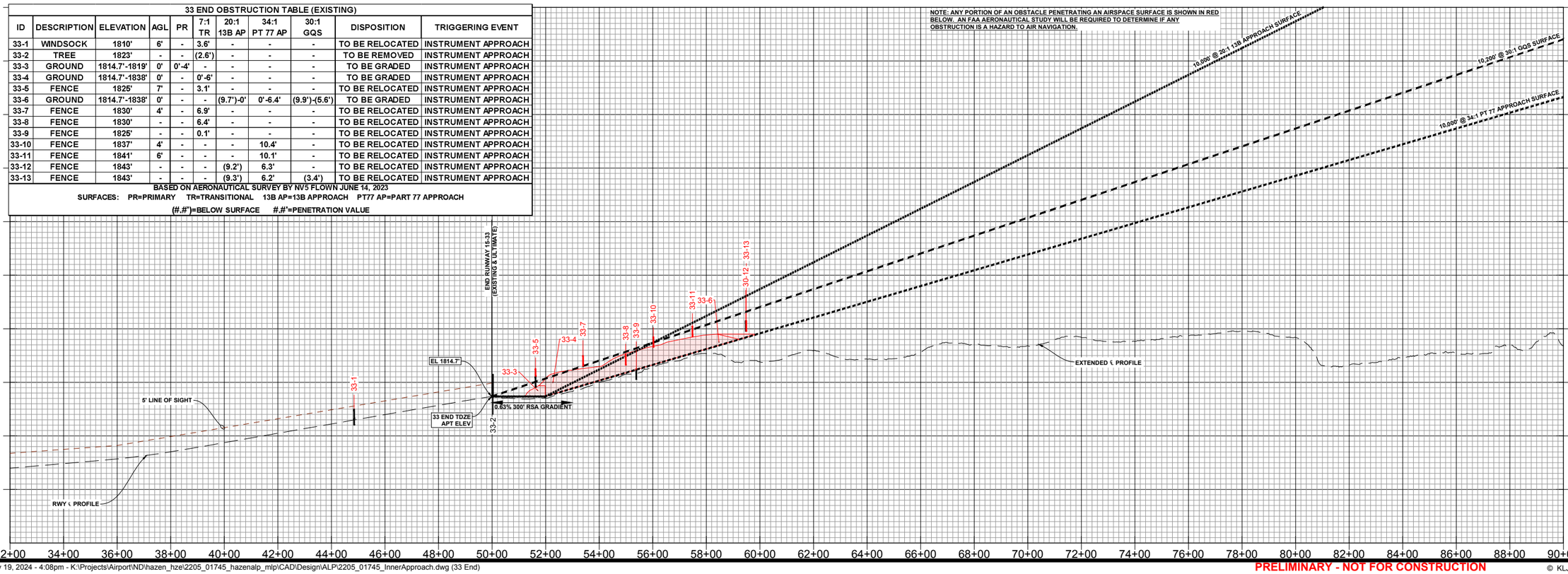
33 END OBSTRUCTION TABLE (EXISTING)

ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 13B AP	34:1 PT 77 AP	30:1 GQS	DISPOSITION	TRIGGERING EVENT
33-1	WINDSOCK	1810'	6'	-	3.6'	-	-	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-2	TREE	1823'	-	-	(2.6')	-	-	-	TO BE REMOVED	INSTRUMENT APPROACH
33-3	GROUND	1814.7'-1819'	0'	0'-4'	-	-	-	-	TO BE GRADED	INSTRUMENT APPROACH
33-4	GROUND	1814.7'-1838'	0'	-	0'-6'	-	-	-	TO BE GRADED	INSTRUMENT APPROACH
33-5	FENCE	1825'	7'	-	3.1'	-	-	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-6	GROUND	1814.7'-1838'	0'	-	-	(9.7')-0'	0'-6.4'	(9.9')-(5.6')	TO BE GRADED	INSTRUMENT APPROACH
33-7	FENCE	1830'	4'	-	6.9'	-	-	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-8	FENCE	1830'	-	-	6.4'	-	-	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-9	FENCE	1825'	-	-	0.1'	-	-	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-10	FENCE	1837'	4'	-	-	-	10.4'	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-11	FENCE	1841'	6'	-	-	-	10.1'	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-12	FENCE	1843'	-	-	-	(9.2')	6.3'	-	TO BE RELOCATED	INSTRUMENT APPROACH
33-13	FENCE	1843'	-	-	-	(9.3')	6.2'	(3.4')	TO BE RELOCATED	INSTRUMENT APPROACH

BASED ON AERONAUTICAL SURVEY BY NV5 FLOWN JUNE 14, 2023

SURFACES: PR=PRIMARY TR=TRANSITIONAL 13B AP=13B APPROACH PT77 AP=PART 77 APPROACH

(#.#')=BELOW SURFACE #.#'=PENETRATION VALUE



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REVISION

NO.	DATE
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#	00/00/00
#	00/00/00

DRAFTED TLG

REVIEWED AJC

PROJECT NUMBER 2205-01745

ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT

MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)

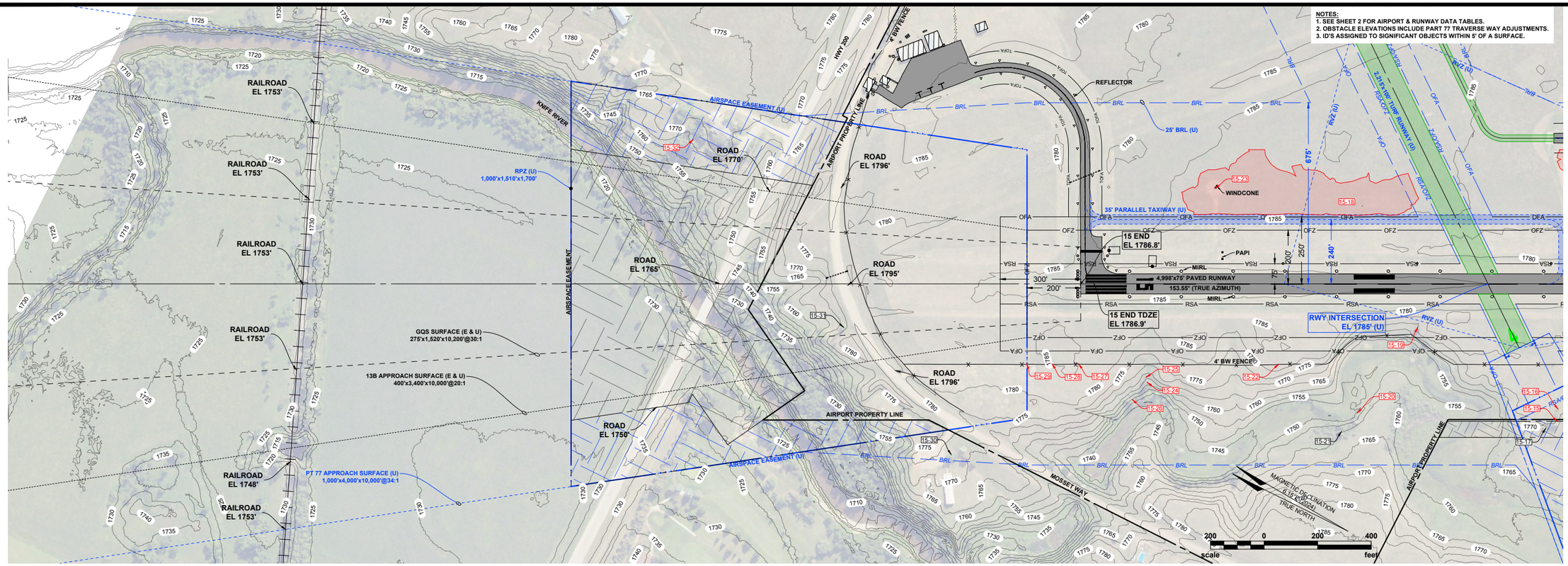
HAZEN, NORTH DAKOTA

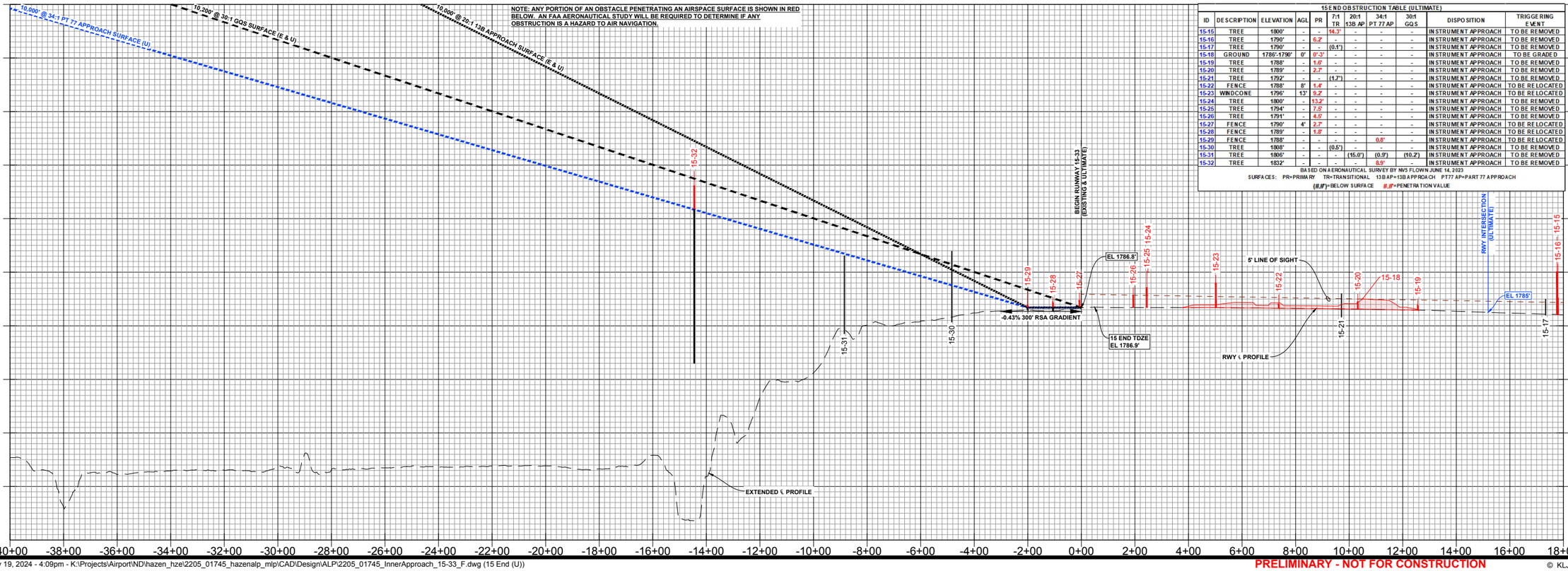
INNER PORTION OF THE APPROACH SURFACE RUNWAY 33 END

SHEET 8

PRELIMINARY - NOT FOR CONSTRUCTION

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15 END OBSTRUCTION TABLE (ULTIMATE)

ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 13B AP	34:1 PT 77 AP	30:1 GQS	DISPOSITION	TRIGGERING EVENT
15-15	TREE	1800'	-	-	14.3'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-16	TREE	1790'	-	6.7'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-17	TREE	1790'	-	-	(0.1')	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-18	GROUND	1786'-1790'	0'	0'-3'	-	-	-	-	INSTRUMENT APPROACH	TO BE GRADED
15-19	TREE	1788'	-	1.6'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-20	TREE	1789'	-	2.7'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-21	TREE	1792'	-	-	(1.7')	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-22	FENCE	1788'	8'	1.4'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCATED
15-23	WINDCONE	1796'	13'	9.2'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCATED
15-24	TREE	1800'	-	13.2'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-25	TREE	1794'	-	7.6'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-26	TREE	1791'	-	4.5'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-27	FENCE	1790'	4'	2.7'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCATED
15-28	FENCE	1789'	-	1.8'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCATED
15-29	FENCE	1788'	-	-	-	-	0.8'	-	INSTRUMENT APPROACH	TO BE RELOCATED
15-30	TREE	1808'	-	-	(0.5')	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-31	TREE	1806'	-	-	(15.0')	(0.9')	(10.2')	-	INSTRUMENT APPROACH	TO BE REMOVED
15-32	TREE	1832'	-	-	-	-	8.9'	-	INSTRUMENT APPROACH	TO BE REMOVED

BASED ON AERONAUTICAL SURVEY BY IWS FLOWN JUNE 14, 2023
SURFACES: PR=PRIMARY TR=TRANSITIONAL 13BAP=13BAPPROACH PT77 AP=PART 77 APPROACH
(#.#')=BELOW SURFACE #.#'=PENETRATION VALUE

KLJ

NO.	DATE	REVISION
#	00/00/00	-
#	00/00/00	-
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DRAFTED TLG
REVIEWED AJC
PROJECT NUMBER 2205-01745
ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT

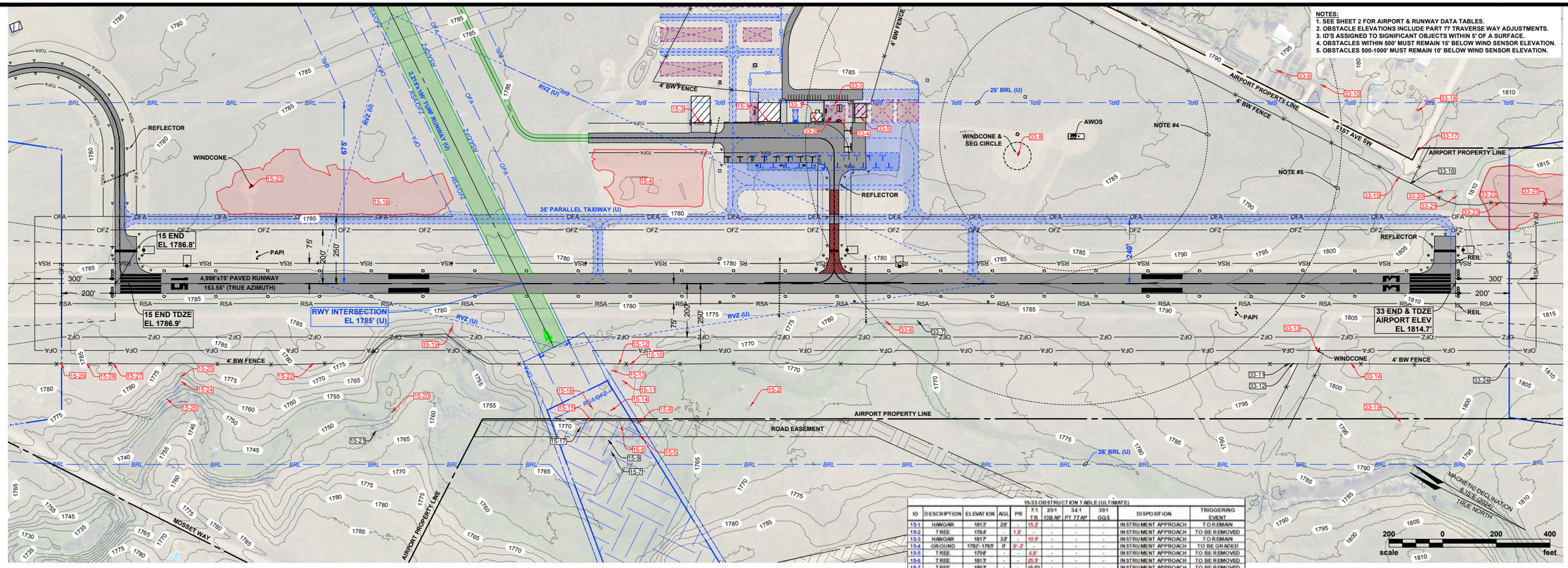
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA

INNER PORTION OF THE APPROACH SURFACE RUNWAY 15 END (U)

SHEET 9

PRELIMINARY - NOT FOR CONSTRUCTION

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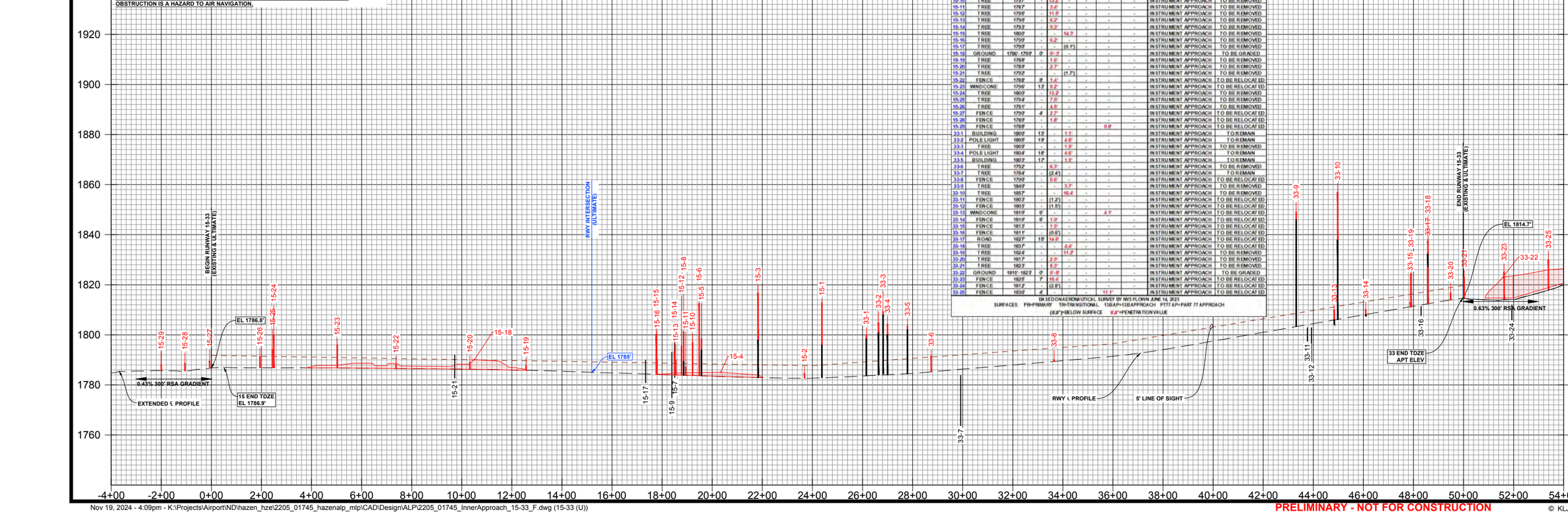


NOTE: ANY PORTION OF AN OBSTACLE PENETRATING AN AIRSPACE SURFACE IS SHOWN IN RED BELOW. AN FAA AERONAUTICAL STUDY WILL BE REQUIRED TO DETERMINE IF ANY OBSTRUCTION IS A HAZARD TO AIR NAVIGATION.

15-33 OBSTRUCTION TABLE (ULTIMATE)

ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 138 AP	34:1 PT 77 AP	301 OOS	DISPOSITION	TRIGGERING EVENT
15-1	HANGAR	1813'	28'	-	15.2'	-	-	-	INSTRUMENT APPROACH	TO REMAIN
15-2	TREE	1784'	-	-	1.8'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-3	HANGAR	1817'	32'	-	-	18.9'	-	-	INSTRUMENT APPROACH	TO REMAIN
15-4	GROUND	1783'-1785'	0'	-	0'-2'	-	-	-	INSTRUMENT APPROACH	TO BE GRADED
15-5	TREE	1794'	-	-	4.8'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-6	TREE	1811'	-	-	25.9'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-7	TREE	1802'	-	-	(0.0')	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-8	TREE	1801'	-	-	13.0'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-9	TREE	1793'	-	-	(3.2')	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-10	TREE	1797'	-	13.2'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-11	TREE	1787'	-	3.4'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-12	TREE	1799'	-	11.8'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-13	TREE	1797'	-	9.2'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-14	TREE	1793'	-	9.3'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-15	TREE	1800'	-	-	14.3'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-16	TREE	1799'	-	6.2'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-17	TREE	1797'	-	-	(0.1')	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-18	GROUND	1786'-1799'	0'	0'-3'	-	-	-	-	INSTRUMENT APPROACH	TO BE GRADED
15-19	TREE	1788'	-	1.6'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-20	TREE	1789'	-	2.7'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-21	TREE	1792'	-	-	(1.7')	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-22	FENCE	1788'	8'	1.4'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
15-23	WINDCONE	1796'	13'	9.2'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
15-24	TREE	1809'	-	13.2'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-25	TREE	1794'	-	7.5'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-26	TREE	1791'	-	4.5'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
15-27	FENCE	1790'	6'	2.7'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
15-28	FENCE	1789'	-	1.8'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
15-29	FENCE	1788'	-	-	-	0.9'	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-1	BUILDING	1800'	13'	-	1.1'	-	-	-	INSTRUMENT APPROACH	TO REMAIN
33-2	POLE LIGHT	1805'	19'	-	4.8'	-	-	-	INSTRUMENT APPROACH	TO REMAIN
33-3	TREE	1809'	-	-	1.5'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
33-4	POLE LIGHT	1804'	18'	-	4.6'	-	-	-	INSTRUMENT APPROACH	TO REMAIN
33-5	BUILDING	1803'	17'	-	1.3'	-	-	-	INSTRUMENT APPROACH	TO REMAIN
33-6	TREE	1792'	-	6.3'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
33-7	TREE	1784'	-	(2.4')	-	-	-	-	INSTRUMENT APPROACH	TO REMAIN
33-8	FENCE	1799'	-	0.6'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-9	TREE	1849'	-	-	3.7'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
33-10	TREE	1857'	-	-	16.4'	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
33-11	FENCE	1803'	-	(1.2')	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-12	FENCE	1803'	-	(1.5')	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-13	WINDCONE	1810'	6'	-	-	4.1'	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-14	FENCE	1810'	6'	1.9'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-15	FENCE	1813'	-	1.5'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-16	FENCE	1811'	-	(0.6')	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-17	ROAD	1827'	19'	14.8'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-18	TREE	1837'	-	4.4'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
33-19	TREE	1824'	-	11.2'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
33-20	TREE	1817'	-	2.9'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
33-21	TREE	1823'	-	8.3'	-	-	-	-	INSTRUMENT APPROACH	TO BE REMOVED
33-22	GROUND	1815'-1823'	0'	0'-8'	-	-	-	-	INSTRUMENT APPROACH	TO BE GRADED
33-23	FENCE	1827'	7'	15.4'	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-24	FENCE	1812'	-	(2.8')	-	-	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED
33-25	FENCE	1830'	4'	-	-	11.1'	-	-	INSTRUMENT APPROACH	TO BE RELOCAT ED

(A SEDONA AERONAUTICAL SURVEY BY WSI FLOWN JUNE 14, 2023
SURFACES: PR=PRIMARY TR=TRANSITIONAL 138AP=138APPROACH PT77 AP=PART 77 APPROACH
(#.#')=BELOW SURFACE #.#'=PENETRATION VALUE



KLJ

NO.	DATE	REVISION
#	00/00/00	-
#	00/00/00	-
#	00/00/00	-

DRAFTED TLG

REVIEWED AJC

PROJECT NUMBER 2205-01745

ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT

MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)

HAZEN, NORTH DAKOTA

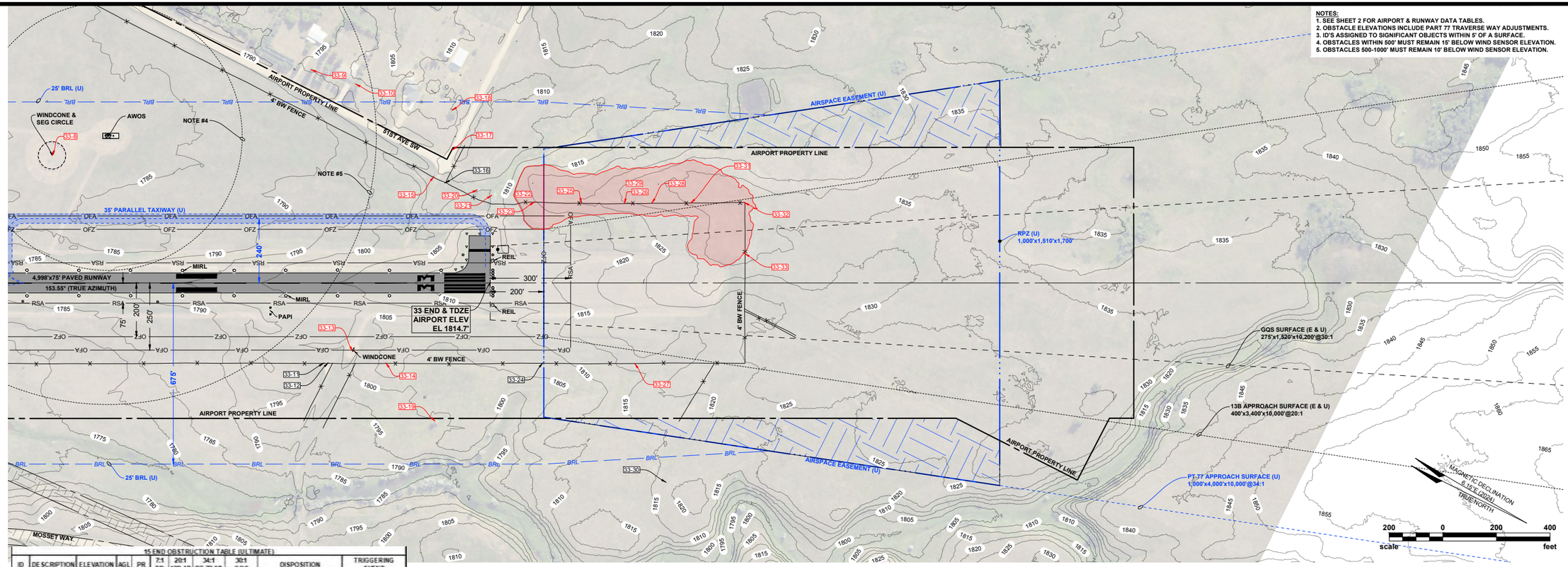
INNER PORTION OF THE APPROACH SURFACE RUNWAY 15/33 (U)

SHEET 10

PRELIMINARY - NOT FOR CONSTRUCTION

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NOTES:
1. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
2. OBSTACLE ELEVATIONS INCLUDE PART 77 TRAVERSE WAY ADJUSTMENTS.
3. ID'S ASSIGNED TO SIGNIFICANT OBJECTS WITHIN 5' OF A SURFACE.
4. OBSTACLES WITHIN 500' MUST REMAIN 15' BELOW WIND SENSOR ELEVATION.
5. OBSTACLES 500-1000' MUST REMAIN 10' BELOW WIND SENSOR ELEVATION.

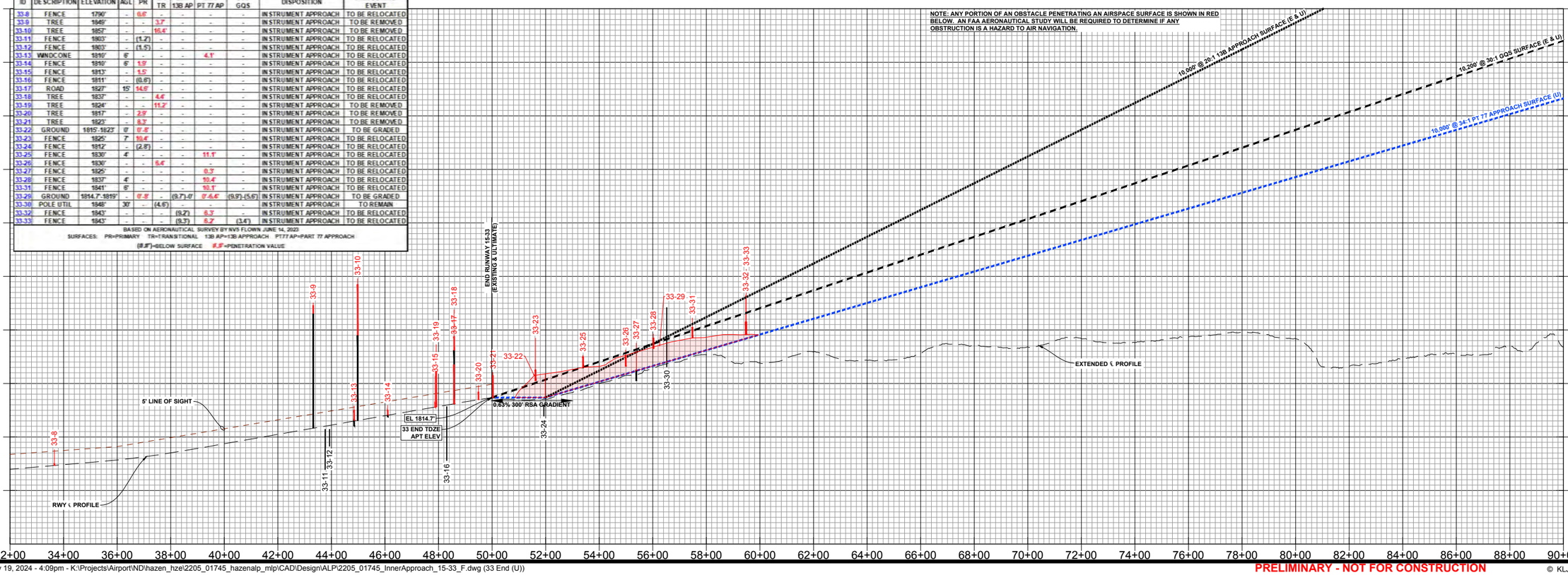


33 END OBSTRUCTION TABLE (ULTIMATE)

ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 13B AP	34:1 PT 77 AP	30:1 GQS	DISPOSITION	TRIGGERING EVENT
33-8	FENCE	1790'	-	6.6'	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-9	TREE	1849'	-	-	3.7'	-	-	-	IN STRUMENT APPROACH	TO BE REMOVED
33-10	TREE	1857'	-	-	16.4'	-	-	-	IN STRUMENT APPROACH	TO BE REMOVED
33-11	FENCE	1803'	-	(1.2')	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-12	FENCE	1803'	-	(1.5')	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-13	WINDCONE	1816'	6'	-	-	-	4.1'	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-14	FENCE	1816'	6'	1.9'	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-15	FENCE	1813'	-	1.5'	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-16	FENCE	1811'	-	(0.6')	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-17	ROAD	1827'	15'	14.6'	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-18	TREE	1837'	-	-	4.4'	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-19	TREE	1824'	-	-	11.2'	-	-	-	IN STRUMENT APPROACH	TO BE REMOVED
33-20	TREE	1817'	-	2.9'	-	-	-	-	IN STRUMENT APPROACH	TO BE REMOVED
33-21	TREE	1823'	-	8.2'	-	-	-	-	IN STRUMENT APPROACH	TO BE REMOVED
33-22	GROUND	1815'-1823'	0'	0'-8'	-	-	-	-	IN STRUMENT APPROACH	TO BE GRADED
33-23	FENCE	1825'	7'	10.4'	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-24	FENCE	1812'	-	(2.8')	-	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-25	FENCE	1830'	4'	-	-	-	11.1'	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-26	FENCE	1836'	-	-	5.4'	-	-	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-27	FENCE	1825'	-	-	-	-	0.3'	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-28	FENCE	1837'	4'	-	-	-	10.4'	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-31	FENCE	1841'	6'	-	-	-	10.1'	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-29	GROUND	1814.7'-1819'	-	0'-5'	-	(9.7')-0'	0'-4.4'	(9.9')-(5.6')	IN STRUMENT APPROACH	TO BE GRADED
33-30	POLE UTIL	1848'	30'	-	(4.6')	-	-	-	IN STRUMENT APPROACH	TO REMAIN
33-32	FENCE	1843'	-	-	-	(9.2')	6.3'	-	IN STRUMENT APPROACH	TO BE RELOCATED
33-33	FENCE	1843'	-	-	-	(9.3')	6.2'	(3.4')	IN STRUMENT APPROACH	TO BE RELOCATED

BASED ON AERONAUTICAL SURVEY BY NV5 FLOWN JUNE 14, 2023
SURFACES: PR=PRIMARY TR=TRANSITIONAL 13B AP=13B APPROACH PT77 AP=PART 77 APPROACH
(6'.8')=BELOW SURFACE 5'.5'=PENETRATION VALUE

NOTE: ANY PORTION OF AN OBSTACLE PENETRATING AN AIRSPACE SURFACE IS SHOWN IN RED BELOW. AN FAA AERONAUTICAL STUDY WILL BE REQUIRED TO DETERMINE IF ANY OBSTRUCTION IS A HAZARD TO AIR NAVIGATION.



NO.	DATE	REVISION
#	00/00/00	
#	00/00/00	
#	00/00/00	

DRAFTED TLG
REVIEWED AJC
PROJECT NUMBER 2205-01745
ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA
INNER PORTION OF THE APPROACH SURFACE RUNWAY 33 END (U)

SHEET 11

PRELIMINARY - NOT FOR CONSTRUCTION

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NOTES:
1. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
2. OBSTACLE ELEVATIONS INCLUDE PART 77 TRAVERSE WAY ADJUSTMENTS.
3. ID'S ASSIGNED TO SIGNIFICANT OBJECTS WITHIN 5' OF A SURFACE.

APPROACH SURFACE (U)
250'x1,250'x5,000'@20:1

13B APPROACH SURFACE (U)
250'x700'x2,250'x2,750'@20:1

RPZ (U)
250'x450'x1,000'

AIRSPACE EASEMENT (U)

ROW EASEMENT

MOSSET WAY

AIRPORT PROPERTY LINE

4 BW FENCE

4 END (U)
EL 1785'

ROAD
EL 1802'

ROAD
EL 1803'

ROAD
EL 1805'

4,896'X75' PAVED RUNWAY 4/22-S

RSA

OFZ

OFA

VSN

Z1O

RVZ (U)

RWY INTERSECTION
EL 1785' (U)

25' BRL (U)

22 END (U)
EL 1782.8'

2,215'x100' TURF RUNWAY (U)
47.29° (TRUE AZIMUTH)

RSA/OFZ

240'

200'

60'
125'
300'
240'

TRUE NORTH
MAGNETIC DECLINATION
6.15°E (2024)

5151ST AVE SW

scale 200 0 200 400 feet

NOTE: ANY PORTION OF AN OBSTACLE PENETRATING AN AIRSPACE SURFACE IS SHOWN IN RED BELOW. AN FAA AERONAUTICAL STUDY WILL BE REQUIRED TO DETERMINE IF ANY OBSTRUCTION IS A HAZARD TO AIR NAVIGATION.

5,000' @ 20:1 PT 77 APPROACH SURFACE (U)
4,000' @ 20:1 13B APPROACH SURFACE (U)

EXTENDED ℄ PROFILE

BEGIN RUNWAY 4-22 (ULTIMATE)

RWY INTERSECTION (ULTIMATE)

END RUNWAY 4-22 (ULTIMATE)

EL 1785'

4 & 22 END TDZE (U)

-3.33% 240' RSA GRADIENT

5' LINE OF SIGHT (U)

EXISTING GROUND ALONG ℄ PROFILE

RWY ℄ PROFILE (U)

EL 1782.8'

4 END OBSTRUCTION TABLE (ULTIMATE)

ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 13B AP	20:1 PT 77 AP	DISPOSITION	TRIGGERING EVENT
4-1	BUSH	1787'	-	-	-	1.0'	1.0'	TO BE TRIMMED	FUTURE RUNWAY
4-2	TREE	1795'	-	-	(4.8')	-	-	TO BE TRIMMED	FUTURE RUNWAY
4-3	TREE	1796'	-	-	-	(3.2')	(3.2')	TO BE TRIMMED	FUTURE RUNWAY
4-4	TREE	1796'	-	-	-	(3.8')	(3.8')	TO BE TRIMMED	FUTURE RUNWAY
4-5	TREE	1800'	-	-	-	(0.2')	(0.2')	TO BE TRIMMED	FUTURE RUNWAY
4-6	TREE	1801'	-	-	-	(2.0')	(2.0')	TO BE TRIMMED	FUTURE RUNWAY
4-7	TREE	1802'	-	-	-	(1.3')	(1.3')	TO BE TRIMMED	FUTURE RUNWAY
4-8	TREE	1801'	-	-	-	(2.4')	(2.4')	TO BE TRIMMED	FUTURE RUNWAY
4-9	TREE	1813'	-	-	-	8.0'	8.0'	TO BE TRIMMED	FUTURE RUNWAY
4-10	TREE	1802'	-	-	-	(4.9')	(4.9')	TO BE TRIMMED	FUTURE RUNWAY

BASED ON AERONAUTICAL SURVEY BY NV5 FLOWN JUNE 14, 2023
SURFACES: PR=PRIMARY TR=TRANSITIONAL 13B AP=13B APPROACH PT77 AP=PART 77 APPROACH
(#.#')=BELOW SURFACE #.#'=PENETRATION VALUE

-30+00 -28+00 -26+00 -24+00 -22+00 -20+00 -18+00 -16+00 -14+00 -12+00 -10+00 -8+00 -6+00 -4+00 -2+00 0+00 2+00 4+00 6+00 8+00 10+00 12+00 14+00 16+00 18+00 20+00 22+00 24+00 26+00 28+00

1940 1920 1900 1880 1860 1840 1820 1800 1780 1760

REVISION

NO.	DATE	
#	00/00/00	-
#	00/00/00	-
#	00/00/00	-

DRAFTED
TLG

REVIEWED
AJC

PROJECT NUMBER
2205-01745

ISSUE DATE
10/21/2024

MERCER COUNTY REGIONAL AIRPORT

MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)

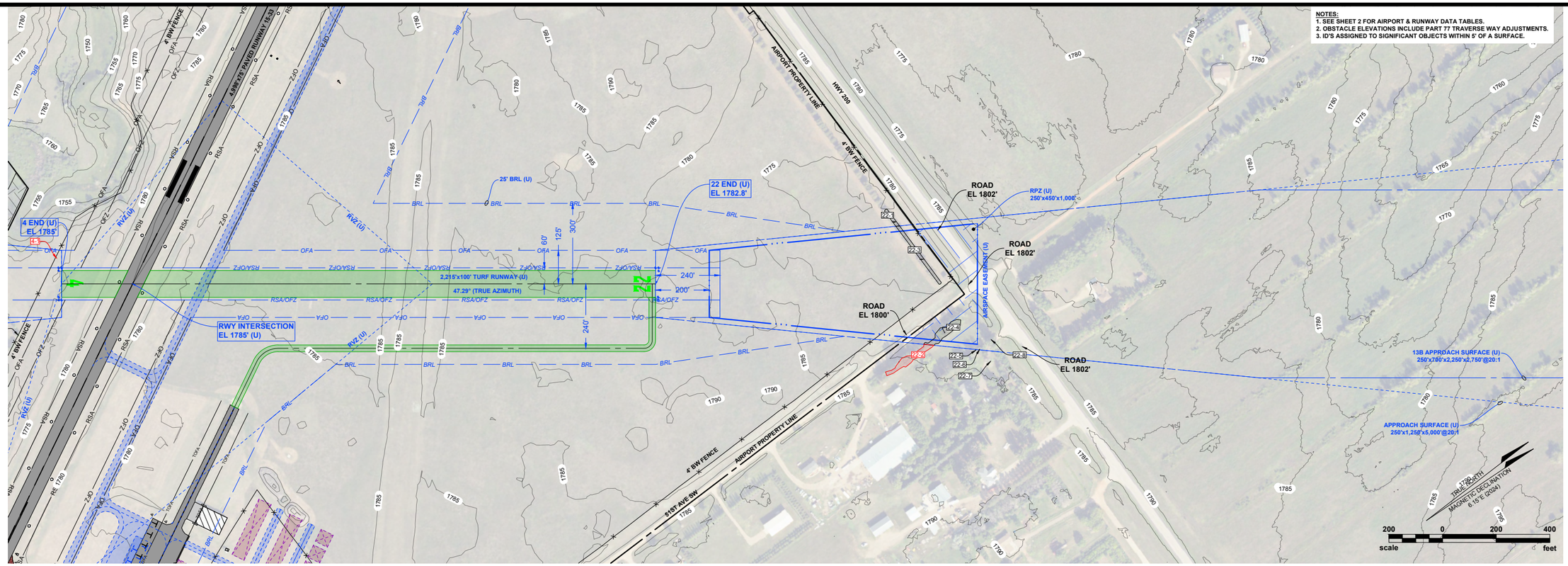
HAZEN, NORTH DAKOTA

INNER PORTION OF THE APPROACH SURFACE RUNWAY 4 END (U)

SHEET
12

PRELIMINARY - NOT FOR CONSTRUCTION

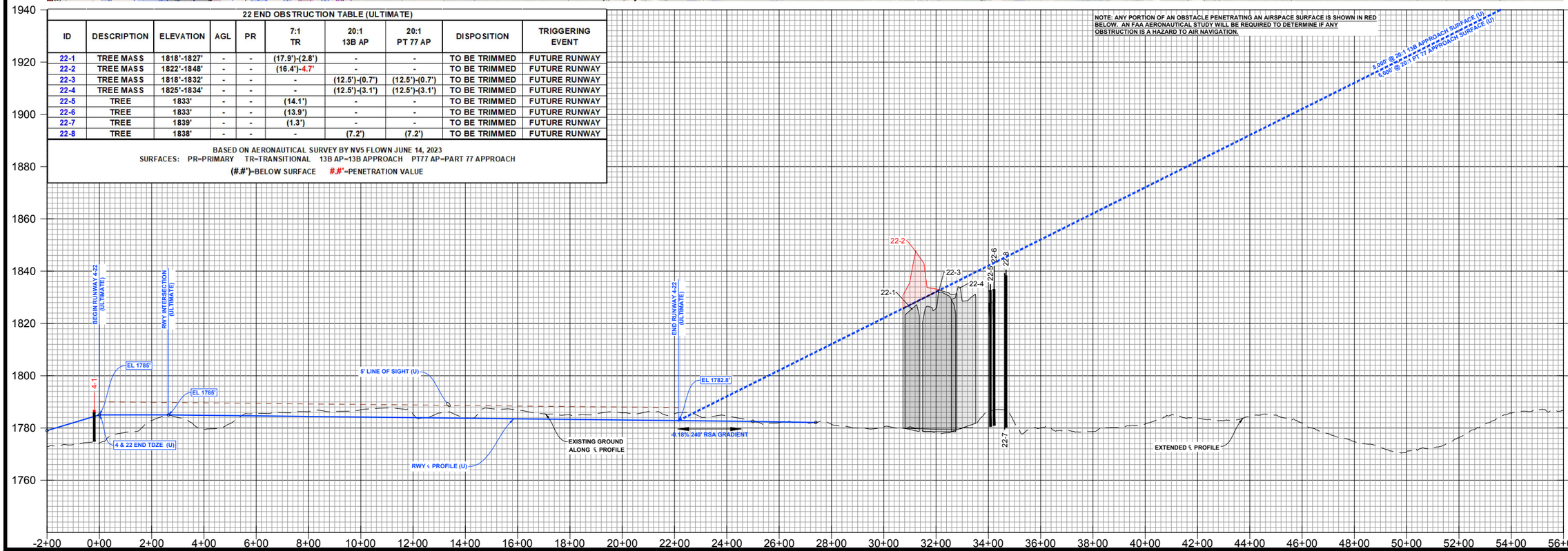
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22 END OBSTRUCTION TABLE (ULTIMATE)

ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 13B AP	20:1 PT 77 AP	DISPOSITION	TRIGGERING EVENT
22-1	TREE MASS	1818'-1827'	-	-	(17.9')-(2.8')	-	-	TO BE TRIMMED	FUTURE RUNWAY
22-2	TREE MASS	1822'-1848'	-	-	(16.4')-4.7'	-	-	TO BE TRIMMED	FUTURE RUNWAY
22-3	TREE MASS	1818'-1832'	-	-	-	(12.5')-(0.7')	(12.5')-(0.7')	TO BE TRIMMED	FUTURE RUNWAY
22-4	TREE MASS	1825'-1834'	-	-	-	(12.5')-(3.1')	(12.5')-(3.1')	TO BE TRIMMED	FUTURE RUNWAY
22-5	TREE	1833'	-	-	(14.1')	-	-	TO BE TRIMMED	FUTURE RUNWAY
22-6	TREE	1833'	-	-	(13.9')	-	-	TO BE TRIMMED	FUTURE RUNWAY
22-7	TREE	1839'	-	-	(1.3')	-	-	TO BE TRIMMED	FUTURE RUNWAY
22-8	TREE	1838'	-	-	-	(7.2')	(7.2')	TO BE TRIMMED	FUTURE RUNWAY

BASED ON AERONAUTICAL SURVEY BY NV5 FLOWN JUNE 14, 2023
SURFACES: PR=PRIMARY TR=TRANSITIONAL 13B AP=13B APPROACH PT77 AP=PART 77 APPROACH
(#.#')=BELOW SURFACE #.#'=PENETRATION VALUE



KLJ

REVISION

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#	00/00/00	-
#	00/00/00	-

DRAFTED TLG
REVIEWED AJC
PROJECT NUMBER 2205-01745
ISSUE DATE 10/21/2024

MERCER COUNTY REGIONAL AIRPORT

MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA

INNER PORTION OF THE APPROACH SURFACE RUNWAY 22 END (U)

SHEET 13

PRELIMINARY - NOT FOR CONSTRUCTION

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NOTES:

1. DATA USED WITHIN THIS AIRPORT LAYOUT PLAN SET IS BASED ON:
   -AERONAUTICAL SURVEY (TOPOGRAPHIC) COMPLETED AUGUST 15, 2023 BY KLJ.
   -AERONAUTICAL SURVEY (AERIAL) COMPLETED JUNE 14, 2023 BY NV5 (INCLUDES CONTOUR DATA).
   -USGS NATIONAL ELEVATION DATASET AT 1/9 ARC SECOND.
   -QUADRANGLE MAPS FROM USGS.
   (DATA IS ONLY AS ACCURATE AS THE SOURCES LISTED. ANY TOWERS, STRUCTURES, OR OBJECTS CONSTRUCTED AFTER THESE DATES ARE NOT REPRESENTED IN THIS AIRPORT LAYOUT PLAN SET.)
2. HORIZONTAL DATUM = (GRID) STATE PLANE, NAD 83, ND SOUTH - FIPS 3302, INTERNATIONAL FEET
3. VERTICAL DATUM = NAVD 88, U.S. SURVEY FEET.
4. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
5. SEE INNER APPROACH SURFACE SHEETS FOR ADDITIONAL CLOSE-IN AIRSPACE OBSTACLES.
6. AIRSPACE APPLIED TO THIS DRAWING IS BASED ON PART 77 OF THE F.A.R.'s.
7. ID'S ASSIGNED TO SIGNIFICANT OBJECTS WITHIN 5' OF A SURFACE.
8. OBSTACLE ELEVATIONS INCLUDE PART 77 TRAVERSE WAY ADJUSTMENTS.

PART 77 OBSTRUCTION TABLE (ULTIMATE)

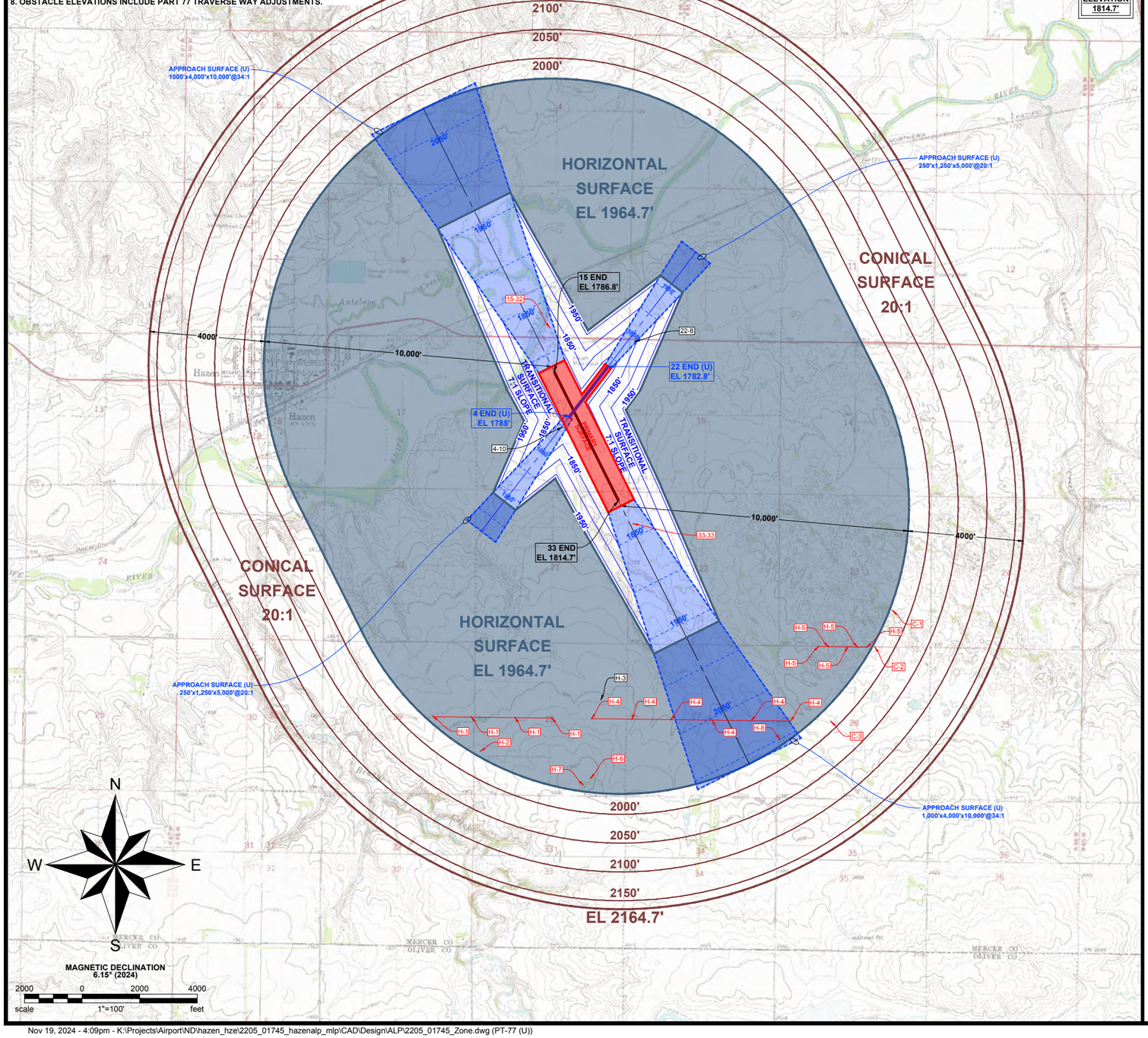
ID	DESCRIPTION	ELEVATION	AGL	PR	7:1 TR	20:1 PT 77 AP	DISPOSITION	TRIGGERING EVENT
4-10	TREE	1802'	-	-	-	(4.9')	TO BE TRIMMED	FUTURE RUNWAY
22-8	TREE	1838'	-	-	-	(7.2')	TO BE TRIMMED	FUTURE RUNWAY
15-32	TREE	1832'	-	-	-	8.9'	TO BE REMOVED	INSTRUMENT APPROACH
33-33	FENCE	1843'	-	-	-	6.2'	TO BE REMOVED	INSTRUMENT APPROACH

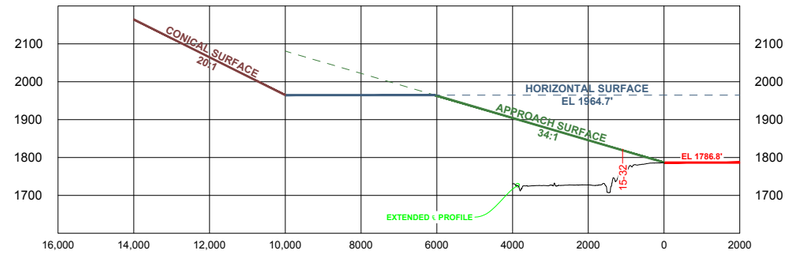
BASED ON AERONAUTICAL SURVEY BY NV5 FLOWN JUNE 14, 2023
SURFACES: PR=PRIMARY TR=TRANSITIONAL PT77 AP=PART 77 APPROACH
(#.#')=BELOW SURFACE #.#'=PENETRATION VALUE

HORIZ/CONIC OBSTRUCTION TABLE

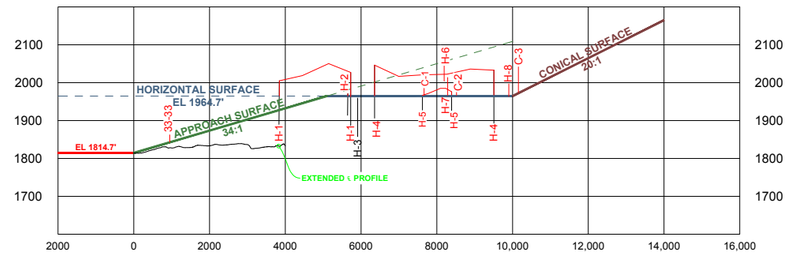
ID	DESCRIPTION	ELEVATION	AGL	HORIZ	20:1 CONIC	DISPOSITION	TRIGGERING EVENT
C-1	TREE	1985'	-	-	14.4'	TO REMAIN	N/A
C-2	POWER PYLON	1974'	-	-	4.8'	TO REMAIN	N/A
C-3	POWER PYLON	2042'	-	-	54.0'	TO REMAIN	N/A
H-1	POWER LINE	2005'-2050'	-	40'-85.5'	-	TO REMAIN	N/A
H-2	TREE	1971'	-	6.4'	-	TO REMAIN	N/A
H-3	TREE	1961'	-	(4.1')	-	TO REMAIN	N/A
H-4	POWER LINE	2016'-2046'	-	51.9'-81.5'	-	TO REMAIN	N/A
H-5	POWER LINE	1966'-1985'	-	1.8'-20.4'	-	TO REMAIN	N/A
H-6	TREE	2004'	-	39.1'	-	TO REMAIN	N/A
H-7	TREE	2014'	-	48.9'	-	TO REMAIN	N/A
H-8	TREE	1997'	-	32.1'	-	TO REMAIN	N/A

AIRPORT ELEVATION 1814.7'

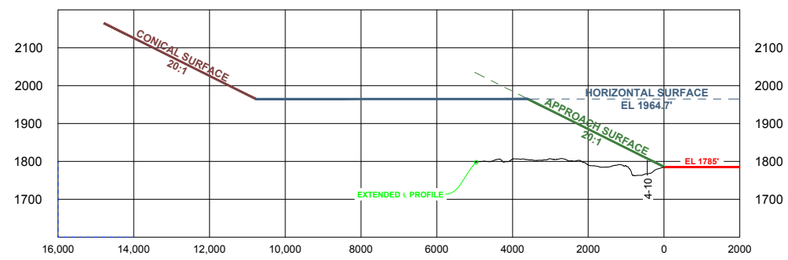




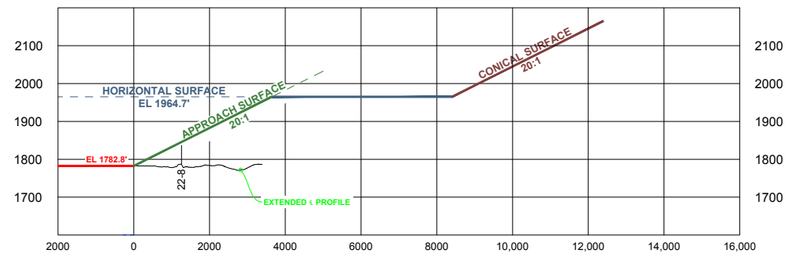
APPROACH TO 15 END



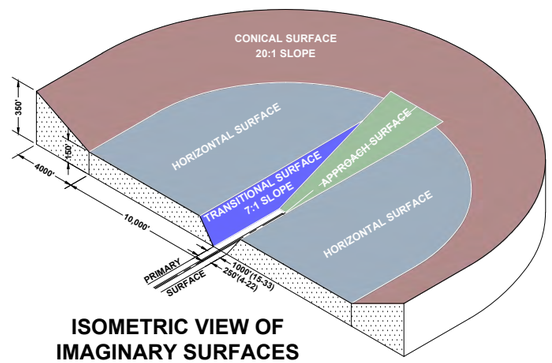
APPROACH TO 33 END



APPROACH TO 4 END (U)



APPROACH TO 22 END (U)



ISOMETRIC VIEW OF IMAGINARY SURFACES

NO.	DATE	REVISION
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REVIEWED: AJC
PROJECT NUMBER: 2205-01745
ISSUE DATE: 10/21/2024

MERCER COUNTY REGIONAL AIRPORT

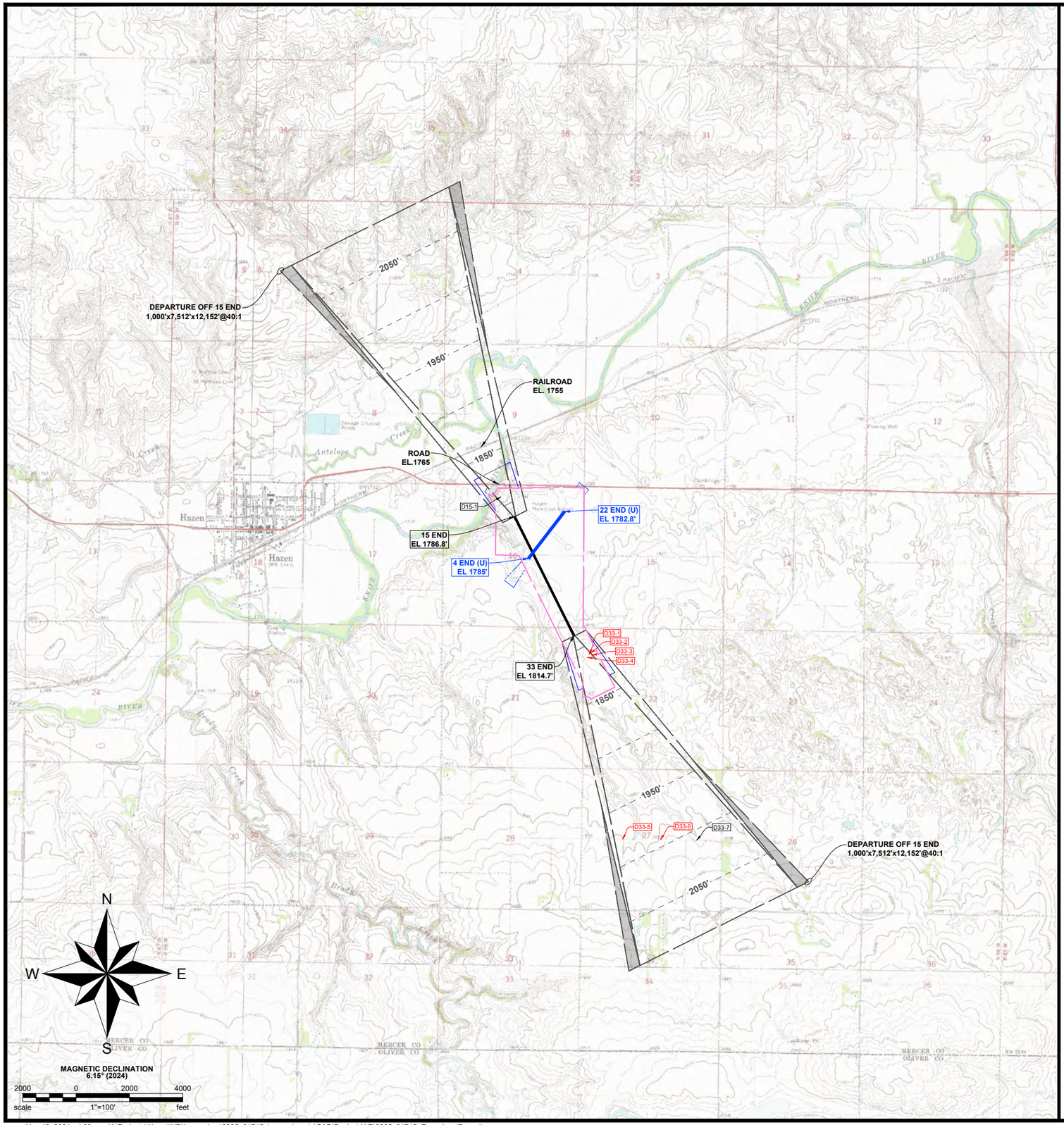
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HAZEN, NORTH DAKOTA

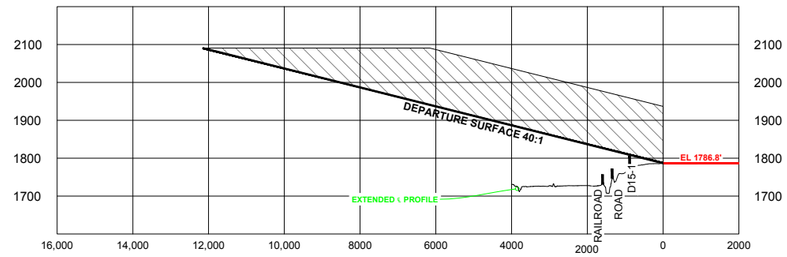
PART 77 AIRSPACE PLAN (ULTIMATE)

SHEET 14

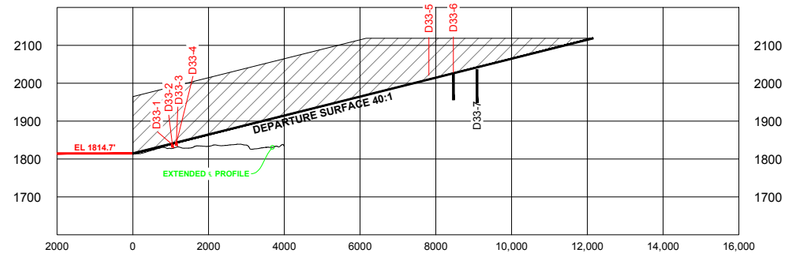
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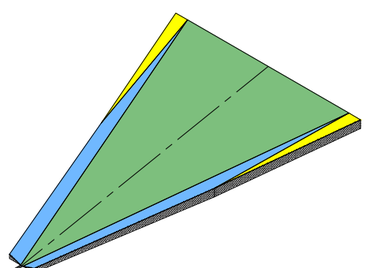
DEPARTURE OFF 15 END



DEPARTURE OFF 33 END

15/33 END (U) DEPARTURE OBSTRUCTION TABLE (ULTIMATE)						
ID	DESCRIPTION	ELEVATION	AGL	40:1 DE	DISPOSITION	TRIGGERING EVENT
D15-1	TREE	1806'	-	(2.9')	-	-
D33-1	GROUND	1838'	-	1.8'	-	-
D33-2	GROUND	1837'	-	1.4'	-	-
D33-3	FENCE	1843'	-	4.6'	-	-
D33-4	FENCE	1843'	-	4.5'	-	-
D33-5	POWER PYLON	2021'	-	15.7'	-	-
D33-6	POWER PYLON	2022'	-	0.9'	-	-
D33-7	POWER PYLON	2036'	-	(0.8')	-	-
BASED ON AERONAUTICAL SURVEY BY NV5 FLOWN JUNE 14, 2023						

NOTES:
1. DATA USED WITHIN THIS AIRPORT LAYOUT PLAN SET IS BASED ON:
 -AERONAUTICAL SURVEY (TOPOGRAPHIC) COMPLETED AUGUST 15, 2023 BY KLJ.
 -AERONAUTICAL SURVEY (AERIAL) FLOWN JUNE 14, 2023 BY NV5 (INCLUDES CONTOUR DATA).
 -USGS NATIONAL ELEVATION DATASET AT 1/9 ARC SECOND.
 -QUADRANGLE MAPS FROM USGS.
  (DATA IS ONLY AS ACCURATE AS THE SOURCES LISTED. ANY TOWERS, STRUCTURES, OR OBJECTS CONSTRUCTED AFTER THESE DATES ARE NOT REPRESENTED IN THIS AIRPORT LAYOUT PLAN SET.)
2. HORIZONTAL DATUM = (GRID) STATE PLANE, NAD 83, ND SOUTH - FIPS 3302, INTERNATIONAL FEET
3. VERTICAL DATUM = NAVD 88, U.S. SURVEY FEET.
4. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
5. SEE INNER APPROACH SURFACE SHEETS FOR ADDITIONAL CLOSE-IN AIRSPACE OBSTACLES.
6. ID'S ASSIGNED TO SIGNIFICANT OBJECTS WITHIN 5' OF A SURFACE.
7. OBSTACLE ELEVATIONS INCLUDE PART 77 TRAVERSE WAY ADJUSTMENTS.
8. RUNWAY 4-22 IS NOT AN INSTRUMENT RUNWAY.



ISOMETRIC VIEW OF
DEPARTURE SURFACE

EXISTING AIRPORT PROPERTY

EXISTING AIRSPACE EASEMENT

ULTIMATE AIRSPACE EASEMENT

KLJ

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DATE	00/00/00	00/00/00	00/00/00
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MERCER COUNTY REGIONAL AIRPORT

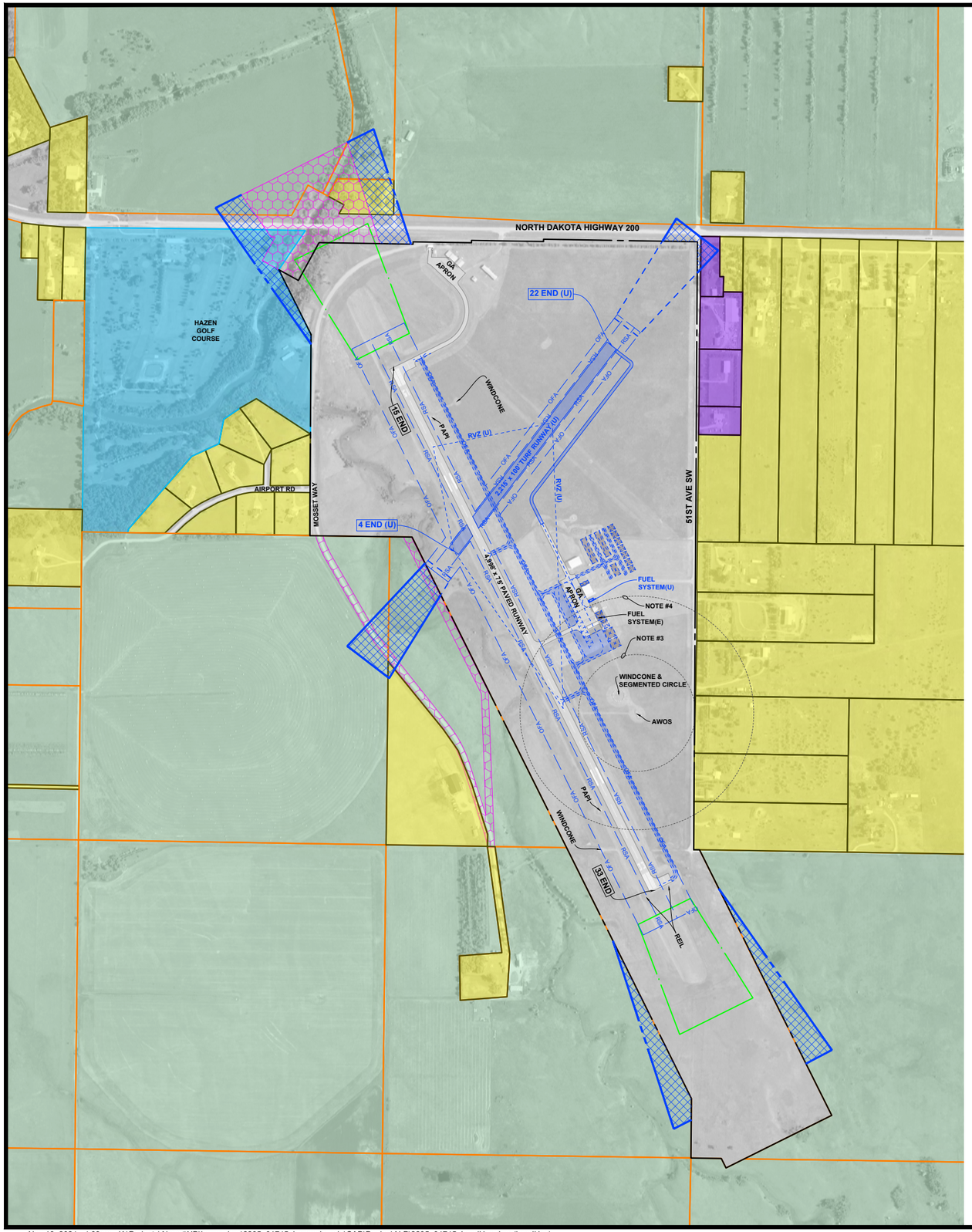
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA

RUNWAY DEPARTURE SURFACE

SHEET
15

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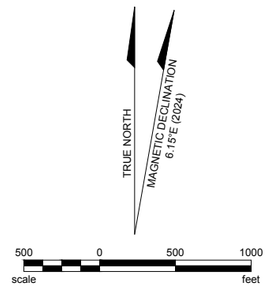
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NOTES:
1. SEE SHEET 2 FOR AIRPORT & RUNWAY DATA TABLES.
2. SEE INNER APPROACH SHEETS FOR OBSTACLE DATA.
3. OBJECTS WITHIN 500' MUST REMAIN 15' BELOW WIND SENSOR.
4. OBJECTS 500'-1000' MUST REMAIN 10' BELOW WIND SENSOR.

LEGEND

- AGRICULTURE
- PUBLIC
- RESIDENTIAL
- COMMERCIAL
- EXISTING AIRPORT EASEMENT
- ULTIMATE AIRPORT EASEMENT
- ULTIMATE DEVELOPMENT
- REMOVAL
- EXISTING RPZ
- ULTIMATE RPZ
- EXISTING AIRPORT PROPERTY
- ULTIMATE AIRPORT PROPERTY
- OFA — RUNWAY OBJECT FREE AREA (OFA)
- RSA — RUNWAY SAFETY AREA (RSA)
- OFA — ULTIMATE RUNWAY OBJECT FREE AREA (OFA)
- RSA — ULTIMATE RUNWAY SAFETY AREA (RSA)



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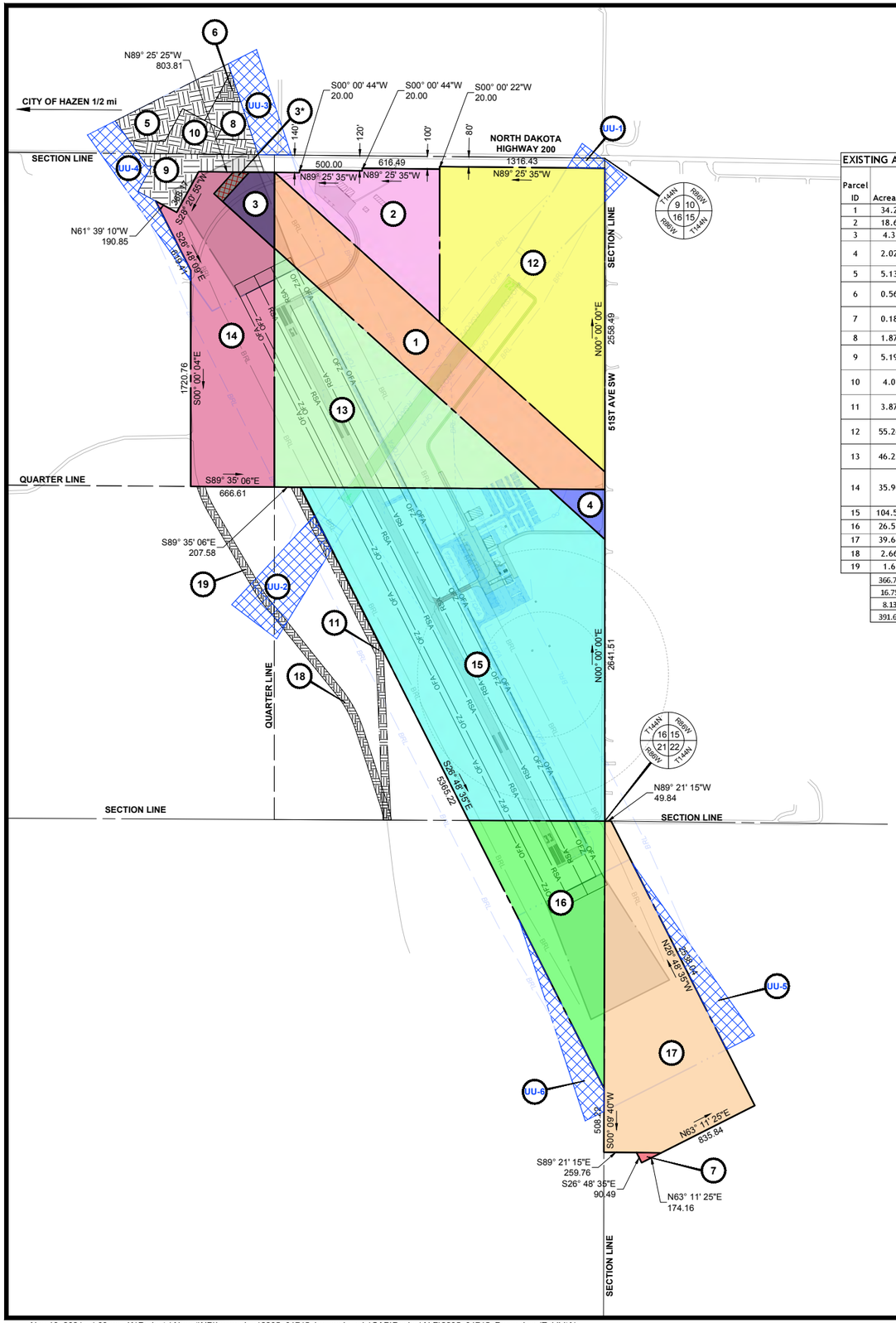
MERCER COUNTY REGIONAL AIRPORT

MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA

LAND USE

SHEET 16

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NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO PROVIDE INFORMATION FOR ANALYZING THE CURRENT AND FUTURE USE OF PROPERTY ACQUIRED.
2. THIS EXHIBIT A DRAWING IS FOR PLANNING PURPOSES ONLY AND IS NOT SURVEY-LEVEL ACCURACY.
3. DATA SOURCE: MERCER COUNTY ABSTRACT COMPANY NOVEMBER 6, 2023

EXISTING AIRPORT PROPERTY INTERESTS TABLE

Parcel ID	Acreage	Purpose of Acquisition	Grantor (Seller)	Grantee (Buyer)	Type of Conveyance Instrument	Date of Conveyance Document	Interest Acquired	Federal Grant Number	Mercer County Recorded Document Number	Date of Title Research	Encumbrance(s)
1	34.2	Original Airport	Park District of the City of Hazen	Hazen Airport Authority	Warranty Deed	4/6/1983; 6/1/1992	Fee Simple		148774; 149702	11/6/2023	Yes
2	18.6	Original Airport	Park District of the City of Hazen	Hazen Airport Authority	Warranty Deed	4/6/1983; 6/1/1992	Fee Simple		148774; 149702	11/6/2023	Yes
3	4.3	Original Airport	Park District of the City of Hazen	Hazen Airport Authority	Warranty Deed	4/6/1983; 6/1/1992	Fee Simple		148774; 149702	11/6/2023	Yes
4	2.02	Original Airport	Union State Bank	Hazen Airport Authority	Warranty Deed	9/24/1987; 3/26/1993	Fee Simple		138687; 151060	11/6/2023	Yes
5	5.13	Primary Runway Approach	Linda Rounds	Mercer County Regional Airport Authority	Avigation Easement	12/9/1992	Easement	AIP 3-38-0075-02	150410	11/6/2023	
6	0.56	Primary Runway Approach	Raymond Tesky & Wilma Tesky	Mercer County Regional Airport Authority	Avigation Easement	12/31/1992	Easement	AIP 3-38-0075-02	150530	11/6/2023	
7	0.18	Primary Runway	Ernest & Virgina Oster	Mercer County Regional Airport Authority	Warranty Deed	12/11/1992	Fee Simple	AIP 3-38-0075-02	150411	11/6/2023	No
8	1.87	Primary Runway Approach	Charles & Shari Stroup	Mercer County Regional Airport Authority	Avigational Easement	5/13/1993	Easement	AIP 3-38-0075-02	151375	11/6/2023	
9	5.19	Primary Runway Approach	North Dakota Department of Transportation	Mercer County Regional Airport Authority	Clear Zone Easement	2/16/1993	Easement	AIP 3-38-0075-02	150833	11/6/2023	
10	4.0	Primary Runway Approach	North Dakota Department of Transportation	Mercer County Regional Airport Authority	Clear Zone Easement	2/16/1993	Easement	AIP 3-38-0075-02	150833	11/6/2023	
11	3.87	Road	Rickey R. & Zola Scheid	Mercer County Regional Airport Authority	ROW Easement	3/16/1993	Easement	AIP 3-38-0075-02	151002	11/6/2023	
12	55.26	Uneconomic Remnant	Hazen Park Board	Mercer County Regional Airport Authority	Warranty Deed	2/3/1993	Fee Simple	AIP 3-38-0075-02	150725	11/6/2023	Yes
13	46.23	Primary Runway	Hazen Park Board	Mercer County Regional Airport Authority	Warranty Deed	2/3/1993	Fee Simple	AIP 3-38-0075-02	150725	11/6/2023	Yes
14	35.90	Primary Runway	Hazen Park Board	Mercer County Regional Airport Authority	Warranty Deed	2/3/1993	Fee Simple	AIP 3-38-0075-02	150725	11/6/2023	Yes
15	104.50	Primary Runway	Rickey R. & Zola Scheid	Mercer County Regional Airport Authority	Warranty Deed	3/16/1993; 7/6/1993	Fee Simple	AIP 3-38-0075-02	151002; 151784	11/6/2023	Yes
16	26.51	Primary Runway	LaRoy J. & Mary E. Lennie	Mercer County Regional Airport Authority	Warranty Deed	6/16/1993; 7/6/1993	Fee Simple	AIP 3-38-0075-02	151614; 151784	11/6/2023	Yes
17	39.64	Primary Runway	Dale L. & Sandra Roemmich	Mercer County Regional Airport Authority	Warranty Deed	3/22/1993; 7/6/1993	Fee Simple	AIP 3-38-0075-02	151019; 151784	11/6/2023	Yes
18	2.66	Road Maintenance	Rickey R. & Zola Scheid	Mercer County Regional Airport Authority	Right-of-Way Easement	6/3/1993	Easement	AIP 3-38-0075-02	151540	11/6/2023	
19	1.6	Road Maintenance	Rickey R. & Zola Scheid	Mercer County Regional Airport Authority	Right-of-Way Easement	6/3/1993	Easement	AIP 3-38-0075-02	151540	11/6/2023	

366.74	Fee Simple
16.75	Easement
8.13	Right of Way Easement
391.62	Total

3* This 0.6 acre area was originally acquired with Parcel 3 and was later acquired again with Parcel 14. The total acreage has been reduce to remove this duplication of 0.6 acres

FUTURE AIRPORT PROPERTY INTERESTS TABLE

Parcel ID	Acreage	Purpose of Acquisition	Type of Interest to be Acquired
UU-1	1.5	RPZ for NE end of NE-SW Runway	Avigation Easement
UU-2	7.5	RPZ for SW end of NE-SW Runway	Avigation Easement
UU-3	4.7	RPZ for NE end of NW-SE Runway	Avigation Easement
UU-4	4.8	RPZ for NW end of NW-SE Runway	Avigation Easement
UU-5	4.8	RPZ for SE end of NW-SE Runway	Avigation Easement
UU-6	4.6	RPZ for SW end of NW-SE Runway	Avigation Easement

LEGEND

- (1) PARCEL DESIGNATION
- EXISTING AVIGATION EASEMENT
- EXISTING AIRPORT PROPERTY
- ULTIMATE AIRPORT PROPERTY

TRUE NORTH
MAGNETIC VARIANCE OF RECORD 6.15°E (2024)

500 0 500 1000
scale feet

NOTE: NO BLANKET EASEMENTS ARE SHOWN ON THIS MAP. PLEASE REFER TO THE RECORDED ENCUMBRANCE TABLE ON SHEET EX-A2.

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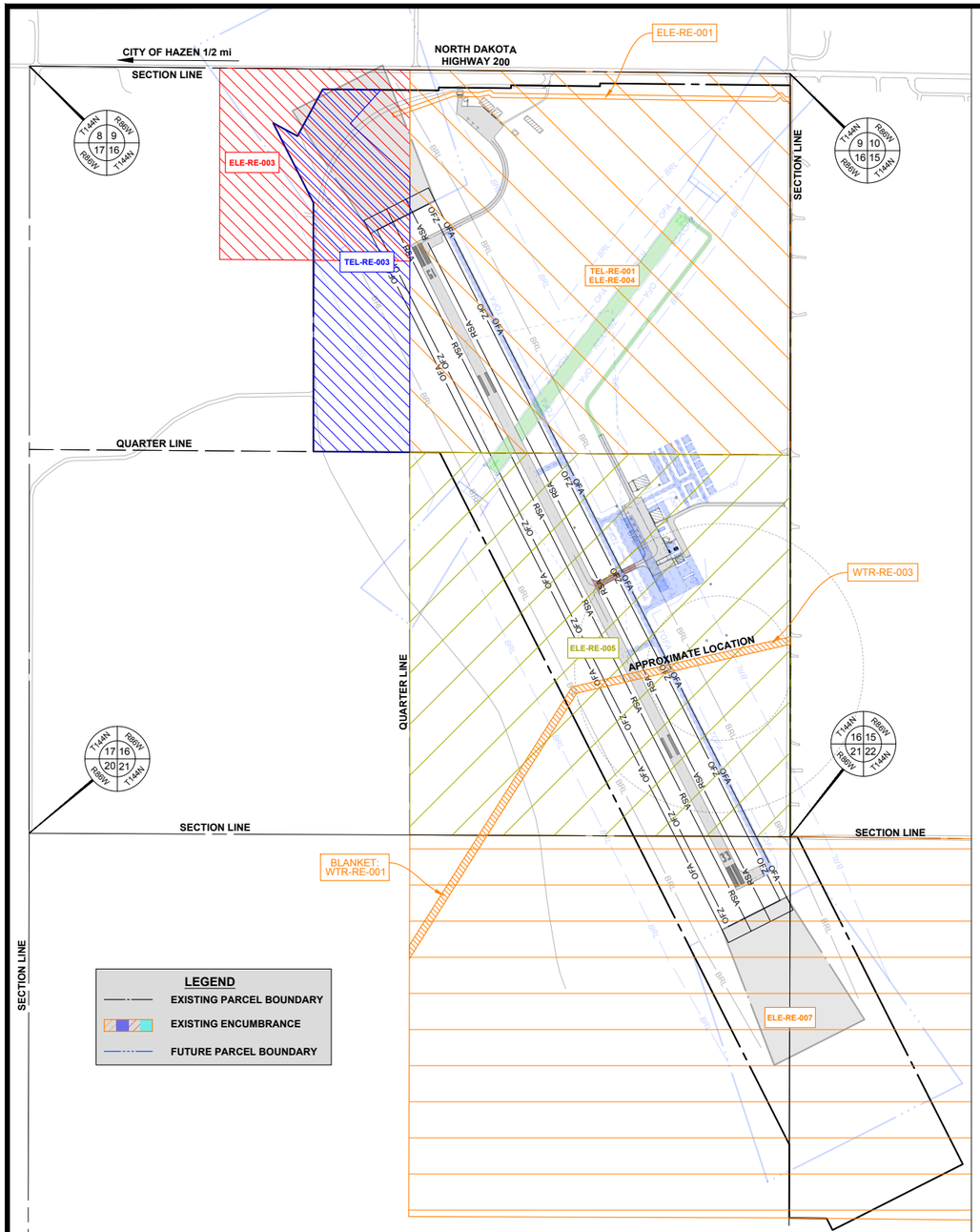
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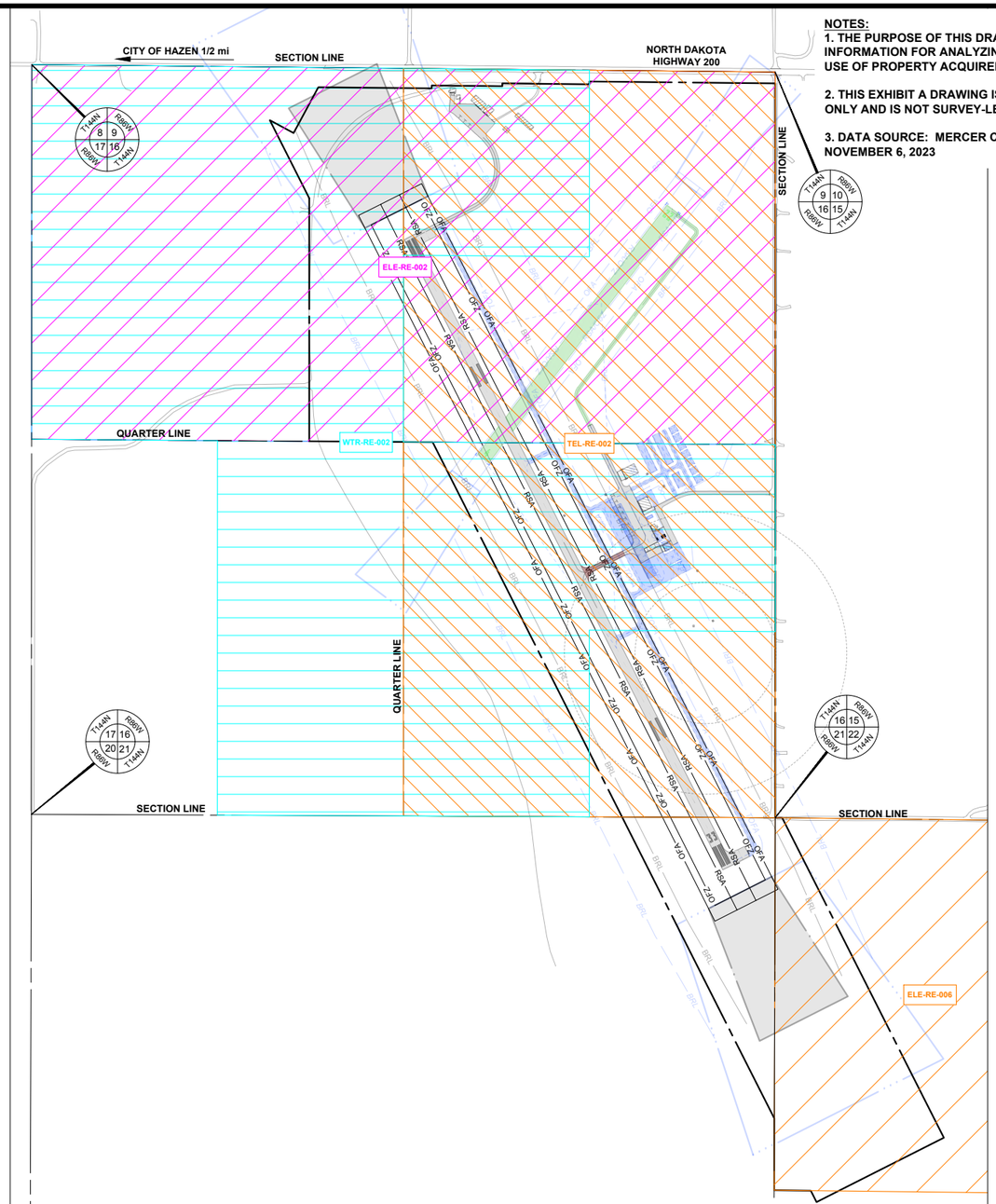
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MERCER COUNTY REGIONAL AIRPORT
MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA
EXHIBIT "A" PARCEL INVENTORY MAP

SHEET EX-A1

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NOTES:

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3. DATA SOURCE: MERCER COUNTY ABSTRACT COMPANY NOVEMBER 6, 2023

TRUE NORTH
MAGNETIC VARIANCE OF RECORD 6.15°E (2024)

500 0 500 1000
scale feet

RECORDED ENCUMBRANCES TABLE

Encumbrance ID	Airport Parcel(s) Impacted	Description of Use & Dimensions	Grantor (Authorizer of Use)	Grantee (Encumbrance Holder)	Type of Conveyance Instrument	Date of Conveyance Document	Mercer County Recorded Document Number
ELE-RE-001	1, 2, 3, 12	30' Electrical Easement	Mercer County Regional Airport	Oliver-Mercer Electric Cooperative	ROW Easement	5/8/2000	168998
ELE-RE-002	1,2,3, 12, 13, 14	30' Electrical Easement	Hazen Park Board	Oliver-Mercer Electric Cooperative	ROW Easement	5/13/1981	209481
ELE-RE-003	3, 14	Blanket Electrical Easement	Hazen Park Board	Oliver-Mercer Electric Cooperative	ROW Easement	11/19/1957	209487
ELE-RE-004	1, 2, 12, 13	Blanket Electrical Easement	City of Hazen Board of Park	Oliver-Mercer Electric Cooperative	ROW Easement	4/26/1954	209488
ELE-RE-005	4, 15	20' Electrical Easement	Mercer County Regional Airport Authority	Oliver-Mercer Electric Cooperative	ROW Easement	12/15/2006	209489
ELE-RE-006	17	30' Electrical Easement	Dale & Sandra Roemmich	Oliver-Mercer Electric Cooperative	ROW Easement	7/12/1993	209538
ELE-RE-007	16, 17	Blanket Electrical Easement	Gottlieb & Paulina Unterseher	Oliver-Mercer Electric Cooperative	ROW Easement	10/20/1947	209539
MIN-RE-001	16	Oil, Gas, Coal, and Other Minerals	Leonard Krausz (Estate Administrator)	Estate of Clara Tesky; Donald K. Tesky; Robert Tesky, Luella Oler, Rudolph Tesky, Estate of Ruby D. Tesky, Estate of Linda Lou Tesky	Final Decree of Distribution	6/26/1975	100986
TEL-RE-001	1, 2, 12, 13	Blanket Telephone Easement	Hazen Airport Authority	West River Mutual Aid Telephone Corporation	ROW Easement	5/22/1981	118748
TEL-RE-002	1, 2, 4, 12, 13, 15	Blanket Telephone Easement	Mercer County Regional Airport Authority	West River Telecommunications Cooperative	ROW Easement	6/27/1994	155123
TEL-RE-003	14	Blanket Telephone Easement	Mercer County Regional Airport Authority	West River Telecommunications Cooperative	ROW Easement	6/14/2006	184114
WTR-RE-001	16, 17	Blanket Easement - Coyote Station 36" Water Supply & 16" Blowdown	Dale & Georgia L. Morgenstern	Fidelity Gas Co.; Minn Power & Light; MDU; Northern Municipal Power, NW Public Service; Otter Tail Power	Pipeline Easement	12/3/1975; 12/6/1983; 5/2/1986; 5/2/1988	101771, 126877, 134787, 140193
WTR-RE-002	1, 2, 3, 4, 12, 13, 14, 1	Blanket Water Pipeline Easement (NOT DEPICTED ON		Southwest Water Authority	Notice of Easements	3/11/2013	201675
WTR-RE-003	15	50' Easement - Coyote Station 36" Water Supply & 16" Blowdown	Edwin L. & Freda Oster	Fidelity Gas Co.; Minn Power & Light; MDU; Northern Municipal Power, NW Public Service; Otter Tail Power	Pipeline Easement	4/12/1978; 12/6/1983; 5/2/1986; 5/2/1988	107442, 126877, 134787, 140193

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MERCER COUNTY REGIONAL AIRPORT

MERCER COUNTY REGIONAL AIRPORT AUTHORITY(OWNER)
HAZEN, NORTH DAKOTA

EXHIBIT "A" ENCUMBRANCE INVENTORY MAP

SHEET EX-A2

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