



**CITY OF MOORHEAD  
Joint Airport Zoning Board**

**MEETING AGENDA  
Wednesday, March 8 - 4:30 PM  
Hjemkomst Center – Auditorium**

1. Call to Order / Roll Call \_\_\_\_\_
2. Agenda Amendments \_\_\_\_\_
3. Citizens to be Heard \_\_\_\_\_
4. Joint Airport Zoning Board – Overview and Introductions \_\_\_\_\_
5. Appoint Board Chair and Vice Chair \_\_\_\_\_
6. Airport Zoning Ordinance \_\_\_\_\_
  - a. Resolution of the Joint Airport Zoning Board as to a Proposed Zoning Ordinance and Set Public Hearing Date \_\_\_\_\_
7. Adjournment \_\_\_\_\_

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**To:** Joint Airport Zoning Board  
**Subject:** Appointments  
**Prepared By:** Kristie Leshovsky, Community Development Director

# JOINT AIRPORT ZONING BOARD REPORT

## CHAIR AND VICE CHAIR APPOINTMENTS

Member \_\_\_\_\_, seconded by Member \_\_\_\_\_, nominates \_\_\_\_\_ as  
Chair of the Moorhead Airport Joint Zoning Board

Member \_\_\_\_\_, seconded by Member \_\_\_\_\_, nominates \_\_\_\_\_ as  
Vice Chair of the Moorhead Airport Joint Zoning Board



**To:** Joint Airport Zoning Board  
**Subject:** 2023 Moorhead Airport Zoning Ordinance/Maps  
**Prepared By:** Kristie Leshovsky, Community Development Director  
Forrest Steinhoff, Assistant City Planner

# JOINT AIRPORT ZONING BOARD REPORT

## BACKGROUND

### Introduction:

The current airport zoning ordinance was enacted in 1995. Current and future growth of the Moorhead Municipal Airport – Florence Klingensmith Field necessitates need to create another Joint Airport Zoning Board (JAZB) in order to update the current airport zoning ordinance and map. The MnDOT Aeronautics Office has reviewed the draft ordinance and notes the proposed ordinance meets standards.

### Zoning Board:

Invitations were sent to Clay County, City of Dilworth, Glyndon Township, Moorhead Township, Elmwood Township, and Kurtz Township requesting to join in creating a Joint Airport Zoning Board (JAZB). The following jurisdictions replied and assigned the following to the airport zoning board:

| Member                   | Jurisdiction      |
|--------------------------|-------------------|
| Carol Kurtyka            | Moorhead Township |
| Matt Jacobson            | Clay County       |
| Steve Moore              | Clay County       |
| L. Peyton Mastera        | City of Dilworth  |
| Don Lorsung              | City of Dilworth  |
| Marissa Bengtson-Loerzel | City of Moorhead  |
| Gerald Allen             | City of Moorhead  |

### Property Owner Letters

On December 27, 2022 notices were sent out to property owners within zones A and B (nine in total). Property owners were invited to meet with staff to learn more about the proposed airport zoning, standards associated within various zones, and ask questions. Multiple owners called and talked through questions and one property owner scheduled a meeting to learn about property uses based on the zoning restrictions.

## PROPOSED ZONE OVERVIEW

The general purpose of an Airport Zoning Ordinance and related zones is to establish land uses that do not create or cause interference with the operations of radio or electronic communications between airport and aircraft, make it difficult for pilots to distinguish between airport lights and other lights, result in glare in the eyes of pilots using the airport, impairs visibility in the vicinity of the airport, or otherwise endanger the landing, taking off, or maneuvering of aircraft.

The current Airport Zoning Ordinance, recorded in 1996 as County Recorder Document number 494396, provides aeronautical zoning for the current airport facilities. Recent changes to State Statute require airports to have a zoning ordinance that covers current and future projects at the airport. The proposed zoning ordinance covers current and proposed future projects outlined on the Airport Layout Plan.

The Airport Zoning Ordinances outlines the restrictions within each zone (A, B and C). All zoning districts consider things like radio interference, lights/glare, and visibility. A general overview of the three zones is noted below.

**Zone A:**

- Permitted Uses: Permitted uses in Zone include but are not limited to agriculture, horticulture, animal husbandry, raising of livestock, wildlife habitat, light outdoor recreation (non-spectator) and auto parking.
- Non-Permitted Uses: Areas designated Zone A shall contain no buildings, temporary structures, exposed transmission lines, or other similar above-ground land use structural hazards. Uses shall not create, attract, or bring together an assembly of persons.

**Zone B:**

- General Use Standards:

| Site Area – at least (acres) | Site Area – but less than (acres) | Ratio of Site area to Building Plot Area | Building Plot Area (square footage) | Maximum Site population |
|------------------------------|-----------------------------------|------------------------------------------|-------------------------------------|-------------------------|
| 3                            | 4                                 | 12:1                                     | 10,900                              | 45                      |
| 4                            | 6                                 | 10:1                                     | 17,400                              | 60                      |
| 6                            | 10                                | 8:1                                      | 32,700                              | 90                      |
| 10                           | 20                                | 6:1                                      | 72,600                              | 150                     |
| 20                           | 20+                               | 4:1                                      | 218,000                             | 300                     |

**Zone C:**

- Height or other restriction may apply

**SUGGESTED ACTION**

**Motion to Approve** Resolution as to the proposed ordinance and set public hearing

**ATTACHMENTS**

- Draft Resolution
- Draft Ordinance and Maps
- Property Owner Notice

**RESOLUTION OF THE MOORHEAD MUNICIPAL AIRPORT JOINT AIRPORT ZONING BOARD AS TO A  
PROPOSED ZONING ORDINANCE**

At a meeting of the above Board held on March 8, 2023, Member \_\_\_\_\_, seconded by Member \_\_\_\_\_, introduced the following Resolution and moved its adoption.

It is hereby resolved as follows:

1. That the Moorhead Municipal Airport Zoning Ordinance and map attached hereto is the proposed zoning ordinance of this Board.
2. That a public hearing on said ordinance shall be held on Wednesday, the 10th day of May 2023, at 4:30 P.M. at the Hjemkomst Center, 202 1<sup>st</sup> Avenue North in the City of Moorhead.
3. That a notice to that effect shall be published at least three times during the period between fifteen (15) days and five (5) days before the hearing in The F-M Extra (official newspaper) and The Fargo Forum (second newspaper of wide general circulation in proposed area to be zoned) in accordance with Minnesota Statutes Section 360.065, Subdivision 1.

ROLL CALL

Members voting aye: \_\_\_\_\_

Members voting nay: \_\_\_\_\_

Resolution declared passed: \_\_\_\_\_

(Chairperson)

Attest: Kristie Leshovsky

Title: Community Development Director

\_\_\_\_\_

I hereby certify that the foregoing resolution is a true and correct copy of the original resolution.

**MOORHEAD MUNICIPAL AIRPORT**

*Florence Klingensmith Field*

**ZONING ORDINANCE**

**Date:** \_\_\_\_\_

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## **TITLE AND INTRODUCTION**

MOORHEAD MUNICIPAL AIRPORT ZONING ORDINANCE

MOORHEAD MUNICIPAL AIRPORT JOINT AIRPORT ZONING BOARD

AN ORDINANCE REGULATING AND RESTRICTING THE HEIGHT OF STRUCTURES AND OBJECTS OF NATURAL GROWTH, AND OTHERWISE REGULATING THE USE OF PROPERTY, IN THE VICINITY OF THE MOORHEAD MUNICIPAL AIRPORT BY CREATING THE APPROPRIATE ZONES AND ESTABLISHING THE BOUNDARIES THEREOF; PROVIDING FOR CHANGES IN THE RESTRICTIONS AND BOUNDARIES OF SUCH ZONES; DEFINING CERTAIN TERMS USED HEREIN; REFERRING TO THE MOORHEAD MUNICIPAL AIRPORT ZONING MAP WHICH IS INCORPORATED IN AND MADE A PART OF THIS ORDINANCE; PROVIDING FOR ENFORCEMENT; ESTABLISHING A BOARD OF ADJUSTMENT; AND IMPOSING PENALTIES.

IT IS HEREBY ORDAINED BY THE MOORHEAD MUNICIPAL AIRPORT JOINT AIRPORT ZONING BOARD PURSUANT TO THE AUTHORITY CONFERRED BY MINNESOTA STATUTES SECTION 360.061 THROUGH 360.074, AS FOLLOWS:



## **SECTION I: PURPOSE AND AUTHORITY**

The Moorhead Municipal Airport Joint Airport Zoning Board, created and established by joint action of the City Council of the City of Moorhead, the Board of Commissioners of Clay County, the Town Board of Moorhead Township, and the City Commission of Dilworth, pursuant to the provisions and authority of Minnesota Statutes Section 360.063, hereby finds and declares that:

- A. The Moorhead Municipal Airport is deemed a beneficial public service that provides an important public need and serves a public good.
- B. An airport hazard endangers the lives and property of users of the Moorhead Municipal Airport, and property or occupants of land in its vicinity; and also if of the obstructive type, in effect reduces the size of the area available for the landing, takeoff, and maneuvering of aircraft, thus tending to destroy or impair the utility of said Airport and the public investment therein.
- C. The creation or establishment of an airport hazard is a public nuisance and an injury to the region served by the Moorhead Municipal Airport.
- D. For the protection of the public health, safety, order, convenience, prosperity, and general welfare, and for the promotion of the most appropriate use of land, it is necessary to prevent the creation or establishment of airport hazards.
- E. The prevention of these airport hazards should be accomplished, to the extent legally possible, by the exercise of the police power without compensation.
- F. The prevention of the creation or establishment of airport hazards, and the elimination, removal, alteration, mitigation, or marking and lighting of existing airport hazards are public purposes for which political subdivisions may raise and expend public funds.
- G. This Ordinance hereby supercedes the Airport Zoning Ordinance adopted on May 4, 1995.

## **SECTION II: SHORT TITLE**

This Ordinance shall be known as the “Moorhead Municipal Airport Zoning Ordinance.” Those sections of land affected by this Ordinance are indicated in Exhibit “A”, which is attached to this Ordinance. This Ordinance replaces the Airport Zoning Ordinance - recorded by the Clay County, MN Records Office on August 12, 1996 as Document Number 494396 - in its entirety.

### SECTION III: DEFINITIONS

As used in this Ordinance, unless the context otherwise requires:

“*AIRPORT*” means the Moorhead Municipal Airport located in Part of Section 19, Township 139, Range 47 West, Glyndon Township, and part of Section 24, Township 139, Range 48 West, Moorhead Township, less highway, in the County of Clay, State of Minnesota.

“*AIRPORT ELEVATION*” means the established elevation of the highest point on the usable landing area which elevation is established to be 917.0 feet above mean sea level.

“*AIRPORT HAZARD*” means any structure, tree, or use of land which obstructs the air space required for, or is otherwise hazardous to, the flight of aircraft in landing or taking off at the airport; and any use of land which is hazardous to persons or property because of its proximity to the airport.

“*COMMISSIONER*” means the Commissioner of the Minnesota Department of Transportation.

“*CONFORMING USE*” means any structure, tree, or object of natural growth, or use of land that complies with all the applicable provisions of this Ordinance or any amendment to this ordinance.

“*DWELLING*” means any building or portion thereof designed or used as a residence or sleeping place of one or more persons.

“*ESTABLISHED RESIDENTIAL NEIGHBORHOOD IN A BUILT UP URBAN AREA*” (ERN – BUUA) means an area which, if it existed on or before January 1, 1978, (for low density structures and lots) and an area which, if it existed on or before July 2, 1979, (all other land uses) shall be considered a conforming use that shall not be prohibited except as provided below in SECTION V B 5, EXEMPTIONS – ESTABLISHED RESIDENTIAL NEIGHBORHOODS.

The following criteria shall be applied and considered in determining what constitutes an ERN-BUUA:

- (1) Location of the Airport
- (2) Nature of the terrain within Safety Zones A and B.
- (3) Existing land uses and character of the neighborhood around the airport.
- (4) Population of the community.
- (5) That the average population density in all areas within one mile of any point on a runway be equal to or greater than one dwelling unit per acre.
- (6) Population density near the airport compared with population density in other areas of the community.

- (7) The age, and the economic, political, and social stability of the neighborhood and the community as a whole.
- (8) The proximity of supporting school, commercial, religious, transportation and other facilities, and their degree of integration with residential land uses.
- (9) Presence or absence of public utilities including, but not limited to, public sanitary sewer system, electric service and gas mains.
- (10) Whether or not the factors listed in subparagraphs (8) and (9) above tend to make the community surrounding the airport a self-sufficient unit.
- (11) Whether the areas within one mile of the perimeter of the airport property would be considered primarily residential in character.
- (12) Other material factors deemed relevant by the governmental unit in distinguishing the area in question as established, residential, urban and built-up.

“*HEIGHT*,” for the purpose of determining the height limits in all zones set forth in this Ordinance and shown on the zoning map, the datum shall be mean sea level elevation unless otherwise specified.

“*LANDING AREA*” means the area of the airport used for the landing, taking off, or taxiing of aircraft.

“*LOW DENSITY RESIDENTIAL STRUCTURE*” means a single-family or two-family home.

“*LOW DENSITY RESIDENTIAL LOT*” means a single lot located in an area which is zoned for single-family or two-family residences and in which the predominant land use is such type of residences.

“*NONCONFORMING USE*” means any pre-existing structure, tree, natural growth, or land use which is inconsistent with the provisions of this Ordinance or an amendment hereto.

“*NONPRECISION INSTRUMENT RUNWAY*” means a runway having an existing or planned straight-in instrument approach procedure utilizing air navigation facilities with only horizontal guidance, and for which no precision approach facilities are planned or indicated on an approved planning document.

“*OTHER THAN UTILITY RUNWAY*” means a runway that is constructed for and intended to be used by jet aircraft or aircraft of more than 12,500 pounds maximum gross weight; or is 4,900 feet or more in length.

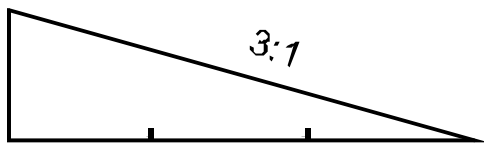
“*PERSON*” means an individual, firm, partnership, corporation, company, association, joint stock association, or body politic, and includes a trustee, receiver, assignee, administrator, executor, guardian, or other representative.

“*PLANNED*,” as used in this Ordinance, refers only to those proposed future airport developments that are so indicated on a planning document having the approval of the Federal Aviation Administration, Minnesota Department of Transportation Office of Aeronautics, and the Moorhead City Council.

“*PRECISION INSTRUMENT RUNWAY*” means a runway having an existing instrument approach procedure utilizing an Instrument Landing System (ILS), a Microwave Landing System (MLS), or a Precision Approach Radar (PAR), a Transponder Landing System (TLS), or a satellite-based system capable of operating to the same level of precision guidance provided by the other included systems.. Also, a runway for which a precision instrument approach system is planned and is so indicated on an approved planning document.

*RUNWAY*” means any existing or planned paved surface or turf covered area of the airport which is specifically designated and used or planned to be used for the landing and/or taking off of aircraft.

*SLOPE*” means an incline from the horizontal expressed in an arithmetic ratio of horizontal magnitude to vertical magnitude.



$$\text{Slope} = 3:1 = 3 \text{ feet horizontal to } 1 \text{ foot vertical}$$

“*STRUCTURE*” means an object constructed or installed by man, including, but without limitations, buildings, towers, smokestacks, earth formations, and overhead transmission lines.

“*TRAVERSE WAYS*,” for the purpose of determining height limits as set forth in this Ordinance, shall be increased in height by 17 feet for interstate highways; 15 feet for all other public roadways; 10 feet or the height of the highest mobile object that would normally traverse the road, whichever is greater, for private roads; 23 feet for railroads; and for waterways and all other traverse ways not previously mentioned, an amount equal to the height of the highest mobile object that would normally traverse it.

“*TREE*” means any object of natural growth.

“*UTILITY RUNWAY*” means a runway that is constructed for, and intended to be used by propeller-driven aircraft of 12,500 pounds maximum gross weight and less; and is less than 4,900 feet in length.

“*VISUAL RUNWAY*” means a runway intended solely for the operation of aircraft using visual approach procedures, with no straight-in instrument approach procedure and no instrument designation indicated on an approved planning document.

“*WATER SURFACES*” for the purpose of this ordinance, shall have the same meaning as land for the establishment of protected zones.

#### **SECTION IV: AIR SPACE OBSTRUCTION ZONING**

A. AIR SPACE ZONES: In order to carry out the purpose of this Ordinance, as set forth above, the following air space zones are hereby established: Primary Zone, Horizontal Zone, Conical Zone, Approach Zone and Transitional Zone, and whose locations and dimensions are as follows:

1. PRIMARY ZONE:

All that land which lies directly under an imaginary primary surface longitudinally centered on a runway and extending 200 feet beyond each end of Runways 12-30 and 18-36.

- a. The width of the primary surface is 500 feet for Runways 12-30 and 18-36.
- b. The elevation of any point on the primary surface is the same as the elevation of the nearest point on the runway centerline.

2. HORIZONTAL ZONE:

All that land which lies directly under an imaginary horizontal surface 150 feet above the established airport elevation, or a height of 1067.0 feet above mean sea level, the perimeter of which is constructed by swinging arcs of specified radii from the center of each end of the primary surface of each runway and connecting the adjacent arcs by lines tangent to those arcs. The radius of each arc of Runways 12-30 and 18-36 is 10,000 feet.

3. CONICAL ZONE:

All that land which lies directly under an imaginary conical surface extending upward and outward from the periphery of the horizontal surface at a slope of 20:1 for a horizontal distance of 4,000 feet as measured outward from the periphery of the horizontal surface.

4. APPROACH ZONE:

- a. All that land which lies directly under an imaginary approach surface longitudinally centered on the extended centerline at each end of a runway.
- b. The inner edge of the approach surface is located 200 feet from the end of the runway and is the same width and elevation as, and coincides with, the end of the primary surface.

- c. The approach surface inclines upward and outward at a slope of 34:1 for Runways 12-30 and 18-36.
- d. The approach surface expands uniformly to a width of 3,500 feet for Runways 12-30 and 18-36 at a distance of 10,000 feet.

5. TRANSITIONAL ZONE:

All that land which lies directly under an imaginary surface extending upward and outward at right angles to the runway centerline and centerline extended at a slope of 7:1 from the sides of the primary surfaces and from the sides of the approach surfaces until they intersect the horizontal surface or the conical surface.

B. HEIGHT RESTRICTIONS:

Except as otherwise provided in this Ordinance, and except as necessary and incidental to airport operations, no structure or tree shall be constructed, altered, maintained, or allowed to grow in any air space zone created in SECTION IV A so as to project above any of the imaginary air space surfaces described in said SECTION IV A hereof. Where an area is covered by more than one height limitation, the more restrictive limitation shall prevail.

C. BOUNDARY LIMITATIONS:

The air space obstruction height zoning restrictions set forth in this section shall apply for a distance not to exceed one and one half miles beyond the perimeter of the airport boundary and in that portion of an airport hazard area under the approach zone for a distance not exceeding two miles from the airport boundary.

**SECTION V: LAND USE SAFETY ZONING**

A. SAFETY ZONE BOUNDARIES:

In order to carry out the purpose of this Ordinance, as set forth above, to restrict those uses which may be hazardous to the operational safety of aircraft operating to and from the Moorhead Municipal Airport, and, furthermore, to limit population and building density in the runway approach areas, thereby creating sufficient open space to protect life and property in case of an accident, there are hereby created and established the following land use safety zones, which are illustrated in Exhibits B and C:

1. SAFETY ZONE A:

All land in that portion of the approach zones of a runway, as defined in SECTION IV A hereof, which extends outward from the end of the primary surface a distance equal to two-thirds of the planned length of the runway, which distance shall be:

- a. 3333.33 feet for Runway 12-30.
- b. 1666.67 feet for Runway 18-36.

2. SAFETY ZONE B:

All land in that portion of the approach zones of a runway, as defined in SECTION IV A hereof, which extends outward from Safety Zone A, a distance equal to one-third of the planned length of the runway, which distance shall be:

- a. 1666.67 feet for Runway 12-30.
- b. 833.33 feet for Runway 18-36 .

3. SAFETY ZONE C:

All land which is enclosed within the perimeter of the horizontal zone, as defined in SUBSECTION IV A hereof, and which is not included in Safety Zone A or Safety Zone B.

A. EXCEPTIONS – ESTABLISHED RESIDENTIAL NEIGHBORHOODS:

There are no areas designated as Established Residential Neighborhoods in Built-Up Urban Areas, based upon the state of development of the areas on July 2, 1979.

B. USE RESTRICTIONS:

1. GENERAL:

Subject at all times to the height restrictions set forth in SECTION IV B, no use shall be made of any land in any of the safety zones defined in SECTION 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, make it difficult for pilots to distinguish between airport lights and other lights, results in glare in the eyes of pilots using the airport, impairs visibility in the vicinity of the airport, or otherwise endangers the landing, taking off, or maneuvering of aircraft.

2. ZONE A:

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 A shall contain no buildings, temporary structures, exposed transmission lines, or other similar above-ground 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 (non-spectator), cemeteries, and automobile parking.

3. 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:

- a. Each use shall be on a site whose area shall not be less than three acres.
- b. Each use shall not create, attract, or bring together a site population that would exceed 15 times that of the site acreage
- c. Each site shall have no more than one building plot upon which any number of structures may be erected.
- d. 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:

| Site Area        |                       | Ratio of Building Site Area to Building Plot Area | Maximum Site Building Plot Area (sq. ft.) | Maximum Site Population (15 persons/acre) |
|------------------|-----------------------|---------------------------------------------------|-------------------------------------------|-------------------------------------------|
| At least (acres) | But Less Than (acres) |                                                   |                                           |                                           |
| 3                | 4                     | 12:1                                              | 10,900                                    | 45                                        |
| 4                | 6                     | 10:1                                              | 17,400                                    | 60                                        |
| 6                | 10                    | 8:1                                               | 32,600                                    | 90                                        |
| 10               | 20                    | 6:1                                               | 72,500                                    | 150                                       |
| 20               | And up                | 4:1                                               | 218,000                                   | 300                                       |

- e. The following uses are specifically prohibited in Zone B:  
Churches, hospitals, schools, theaters, stadiums, hotels, motels, trailer courts, campgrounds, and other places of frequent public or semi-public assembly.



4. ZONE C:

Zone C is subject only to height restrictions set forth in SECTION V B, and to the general restrictions contained in SECTION V B 1.

5. EXEMPTIONS – ESTABLISHED RESIDENTIAL NEIGHBORHOODS

There are no areas designated as Established Residential Neighborhoods in Built-Up Urban Areas, based upon the state of development of the areas on July 2, 1979.

C. BOUNDARY LIMITATIONS:

The land use zoning restrictions set forth in Sections V.B.2, V.B.3, and V.B.4 shall apply for a distance not to exceed one mile beyond the perimeter of the airport boundary and in that portion of an airport hazard area under the approach zone for a distance not exceeding two miles from the airport boundary.

**SECTION VI: AIRPORT MAP**

The several zones herein established are shown on the Moorhead Municipal Airport Zoning Map identified as Exhibits B and C, consisting of 3 sheets, prepared by Short Elliott Hendrickson Inc, and dated October 3, 2007, attached hereto and made a part hereof, which map, together with such amendments thereto as may from time to time be made, and all notations, references, elevations, data, zone boundaries, and other information thereon, shall be and the same is hereby adopted as part of this Ordinance.

**SECTION VII: NONCONFORMING USES**

Regulations not retroactive. The regulations prescribed by this Ordinance shall not be construed to require the removal, lowering, or other changes or alteration of any structure or tree not conforming to the regulations as of the effective date of this Ordinance, or otherwise interfere with the continuance of any nonconforming use. Nothing herein contained shall require any change in the construction, alteration, or intended use of any structure, the construction or alteration of which was begun prior to the effective date of this Ordinance, and is diligently prosecuted and completed within two years thereof.

## **SECTION VIII: PERMITS**

### **A. FUTURE USES:**

Except as specifically provided in Paragraphs 1 and 2 hereunder, no material change shall be made in the use of land and no structure shall be erected, altered, or otherwise established in any zone hereby created unless a permit therefore shall have been applied for and granted by the Zoning Administrator, hereinafter, provided for. Each application for a permit shall indicate the purpose for which the permit is desired, with sufficient particularity to permit it to conform to the regulations herein prescribed. If such determination is in the affirmative, the permit shall be granted.

1. However, a permit for a tree or structure of less than 75 feet of vertical height above the ground shall not be required in the horizontal and conical zones or in any approach and transitional zones beyond a horizontal distance of 4,200 feet from each end of the runway except when such tree or structure, because of terrain, land contour, or topographic features, would extend the height or land use limit prescribed for the respective zone.
2. Nothing contained in this foregoing exception shall be construed as permitting or intending to permit any construction, alteration, or growth of any structure or tree in excess of any of the height limitations established by this ordinance as set forth in SECTION IV and the land use limitations set forth in SECTION V.

### **B. EXISTING USES:**

Before any existing use or structure may be replaced, substantially altered or repaired, or rebuilt within any zone established herein, a permit must be secured authorizing such replacement, change, or repair. No permit shall be granted that would allow the establishment or creation of an airport hazard or permit a nonconforming use, structure, or tree to become a greater hazard to air navigation than it was on the effective date of this Ordinance or any amendments thereto, or than it is when the application for a permit is made. Except as indicated, all applications for such a permit shall be granted.

### **C. NONCONFORMING USES ABANDONED OR DESTROYED:**

Whenever the Zoning Administrator determines that a nonconforming structure or tree has been abandoned or more than 80% torn down, deteriorated, or decayed, no permit shall be granted that would allow such structure or tree to exceed the applicable height limit or

otherwise deviate from the zoning regulations. Whether application is made for a permit under this paragraph or not, the Zoning Administrator may order the owner of the abandoned or partially destroyed nonconforming structure, at his own expense, to lower, remove, reconstruct, or equip the same in the manner necessary to conform to the provisions of this Ordinance. In the event the owner of the nonconforming structure shall neglect or refuse to comply with such order for ten days after receipt of written notice of such order, the Zoning Administrator may, by appropriate legal action, proceed to have the abandoned or partially destroyed nonconforming structure lowered, removed, reconstructed, or equipped and assess the cost and expense thereof against the land on which the structure is or was located. Unless such an assessment is paid within ninety days from the service of notice thereof on the owner of the land, the sum shall bear interest at the rate of eight percent per annum from the date the cost and expense is incurred until paid, and shall be collected in the same manner as are general taxes.

## **SECTION IX: VARIANCES**

Any person desiring to erect or increase the height of any structure, permit the growth of any tree, or use his property not in accordance with the regulations prescribed in this Ordinance may apply to the Board of Adjustment, hereinafter provided for, for a variance from such regulations. Prior to making a decision on an appeal for a variance, the Board of Adjustment may request a review of the appeal by the Zoning Director of MN/DOT Office of Aeronautics. If the Board of Adjustments fails to grant or deny the variance within 60 days after the City of Moorhead Zoning Administrator receives the application by certified mail, or as provided for within Minnesota State Statutes 15.99, the variance shall be deemed to be granted by the Board. When the variance is granted by reason of the failure of the Board to act on the variance, the person receiving the variance shall notify the Board and the Commissioner, by certified mail, that the variance has been granted. The applicant shall include a copy of the original application for the variance with this notice to the Commissioner. The variance shall be effective sixty days after this notice is received by the Commissioner subject to any action taken by the Commissioner pursuant to Minnesota Statutes Section 360.063, Subdivision 6a. Such variances shall be allowed where it is duly found that a literal application or enforcement of the regulations would result in practical difficulty or unnecessary hardship, and relief granted would not be contrary to the public interest but do substantial justice and be in accordance with the spirit of this Ordinance

provided any variance so allowed may be subject to any reasonable conditions that the Board or Commissioner may deem necessary to effectuate the purpose of this Ordinance.

## **SECTION X: HAZARD MARKING AND LIGHTING**

### **B. NONCONFORMING USES:**

The owner of any nonconforming structure or tree is hereby required to permit the installation, operation, and maintenance thereon of such markers and lights as shall be deemed necessary by the Zoning Administrator, to indicate to the operators of aircraft in the vicinity of the airport the presence of such airport hazards. Such markers and lights shall be installed, operated, and maintained at the expense of the City of Moorhead.

### **C. PERMITS AND VARIANCES:**

Any permit or variance deemed advisable to effectuate the purpose of this Ordinance and be reasonable in the circumstances, and granted by the Zoning Administrator or Board, shall require the owner of the structure or tree in question, at his own expense, to install, operate, and maintain thereon such markers and lights as may be necessary to indicate to pilots the presence of an airport hazard.

## **SECTION XI: AIRPORT ZONING ADMINISTRATOR**

It shall be the duty of the City of Moorhead and Clay County Zoning Administrators, or their Designees, to administer and enforce the regulations prescribed herein, based on the area they have jurisdictional authority over. Applications for permits and variances shall be made to the appropriate jurisdiction's Zoning Administrator upon a form furnished by them. Permit applications shall be promptly considered and granted or denied by them in accordance with the regulations prescribed herein. Variance applications shall be forthwith transmitted by the appropriate jurisdiction's Zoning Administrator to the City of Moorhead Zoning Administrator for action by the Board of Adjustments, hereinafter provided for.

## **SECTION XII: BOARD OF ADJUSTMENT**

### **A. ESTABLISHMENT:**

The Moorhead Board of Adjustments shall serve as the Board of Adjustment for the Moorhead Municipal Airport Zoning Ordinance.

**B. POWERS:**

The Board of Adjustment shall have and exercise the following powers:

1. Hear and decide appeals from any order, requirement, decision, or determination made by administrator in the enforcement of this Ordinance.
2. Hear and decide special exceptions to the terms of this Ordinance upon which such Board of Adjustment under such regulations may be required to pass.
3. Hear and decide specific variances.

**D. PROCEDURES:**

1. A request for a variance or an appeal to the Zoning Administrator's ruling shall be filed with the Zoning Administrator of the City of Moorhead. The City of Moorhead Zoning Administrator, or his or her designee, shall forward the request to the Minnesota Department of Transportation Office of Aeronautics for review and comment prior to consideration of the request by the Board of Adjustments.
2. Rules governing the Board of Adjustments shall be consistent with those established by the City of Moorhead and the provisions of this Ordinance. Meetings of the Board of Adjustment shall be held at the call of the Zoning Administrator of the City of Moorhead or chairperson and at such other times as the Board of Adjustment may determine. The chairperson, or in his absence the acting chairperson, may administer oaths and compel the attendance of witnesses. All hearings of the Board of Adjustment shall be public. The Board of Adjustment shall keep minutes of its proceedings showing the vote of each member upon each question or, if absent or failing to vote, indicating such fact, and shall keep records of its examinations and other official actions, all of which shall immediately be filed in the office of the Zoning Administrator and County Recorder's Office to serve as the public record.
3. The Board of Adjustment shall make written findings of facts and conclusions of law giving the facts upon which it acted and its legal conclusions from such facts in reversing, affirming, or modifying any order, requirement, decision, or determination which comes before it under the provisions of this Ordinance.
4. The concurring vote of a majority of the members of the Board of Adjustment shall be sufficient to reverse any order, requirement, decision, or determination of the Zoning Administrator or to decide in favor of the applicant on any matter upon which it is required to pass under this Ordinance, or to effect any variation in this Ordinance.

**SECTION XIII: APPEALS**

- A. Any person aggrieved, or any taxpayer affected by any decision of the Zoning Administrator made in his administration of this Ordinance may appeal to the Board of Adjustment. Such

appeals may also be made by any governing body of a municipality, county, or airport zoning board, which is of the opinion that a decision of the Zoning Administrator is an improper application of this Ordinance as it concerns such governing body or board.

- B. All appeals hereunder must be commenced within 30 days of the Zoning Administrator's decision, by filing with the Zoning Administrator of the City of Moorhead a notice of appeal specifying the grounds thereof. The City of Moorhead Zoning Administrator shall forthwith transmit to the Board of Adjustment all the papers constituting the record upon which the action appealed from was taken. In addition, any person aggrieved, or any taxpayer affected by any decisions of the Zoning Administrator made in his administration of this Ordinance who desires to appeal such decision shall submit an application for a variance, by certified mail, to the City of Moorhead Zoning Administrator in the manner set forth in Minnesota Statutes Section 360.068, Subdivision 2.
- C. An appeal shall stay all proceedings in furtherance of the action appealed from, unless the Zoning Administrator certifies to the Board of Adjustment after the notice of appeal has been filed with it, that by reason of the facts stated in the certificate a stay would, in his opinion, cause imminent peril to life or property. In such case, proceedings shall not be stayed except by order of the Board of Adjustment on notice to the Zoning Administrator and on due cause shown.
- D. The Board of Adjustment shall fix a reasonable time for hearing appeals, give public notice and due notice to the parties in interest, and decide the same within 60 days of receipt of the application for appeal, or as provided for within Minnesota State Statute 15.99. Upon the hearing, any party may appear in person, by agent, or by attorney.
- E. The Board of Adjustment may, in conformity with the provisions of this Ordinance, reverse or affirm, in whole or in part, or modify the order, requirement, decision or determination appealed from and may make such order, requirement, decision or determination, as may be

appropriate under the circumstances, and to that end shall have all the powers of the Zoning Administrator.

#### **SECTION XIV: JUDICIAL REVIEW**

Any person aggrieved, or any taxpayer affected by any decision of the Board of Adjustment, or any action of the Commissioner taken under Section 360.063, subdivision 6 or 6a, or any governing body of a municipality or county, or any joint airport zoning board, which believes that a decision of a board of adjustment or action of the Commissioner is illegal may appeal in accordance with Chapter 14.

#### **SECTION XV: PENALTIES**

Every person who shall construct, establish, substantially change, alter or repair any existing structure of use, or permit the growth of any tree without having complied with the provision of this Ordinance or who, having been granted a permit or variance under the provisions of this Ordinance, shall construct, establish, substantially change or substantially alter or repair any existing growth or structure or permit the growth of any tree, except as permitted by such permit or variance, shall be guilty of a misdemeanor and shall be punished by a fine of not more than \$700 or imprisonment for not more than 90 days or by both. Each day a violation continues to exist shall constitute a separate offense. The City of Moorhead Zoning Administrator, or his or her designee, may enforce all provisions of this Ordinance through such proceedings for injustice relief and other relief as may be proper under the laws of Minnesota Statutes Section 360.073 and other applicable law.

#### **SECTION XVI: CONFLICTS**

Where there exists a conflict between any of the regulations or limitations prescribed in this Ordinance and any other regulations applicable to the same area, whether the conflict be with respect to the height of structures or trees, the use of land, or any other matter, the more stringent limitation or regulation shall govern and prevail.

## **SECTION XVII: SEVERABILITY**

- A. In any case in which the provision of this Ordinance, although generally reasonable, is held by a court to interfere with the use or enjoyment of a particular structure or parcel of land to such an extent, or to be so onerous in their application to such a structure or parcel of land, as to constitute a taking or deprivation of that property in violation of the constitution of this state or the constitution of the United States, such holding shall not affect the application of this Ordinance as to other structures and parcels of land, and to this end the provisions of this Ordinance are declared to be severable.
- B. Should any section or provision of this Ordinance be declared by the courts to be unconstitutional or invalid, such decision shall not affect the validity of the Ordinance as a whole or any part thereof other than the parts so declared to be unconstitutional or invalid.



**SECTION XVIII: EFFECTIVE DATE**

This Ordinance shall take effect on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_. Copies thereof shall be filed with the Commissioner through the Office of Aeronautics, State of Minnesota, and the Records Office, Clay County, Minnesota. Passed and adopted after public hearing by the Moorhead Municipal Airport Joint Airport Zoning Board this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

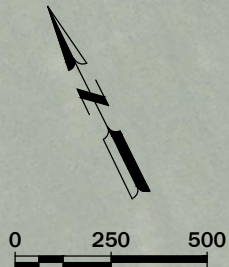
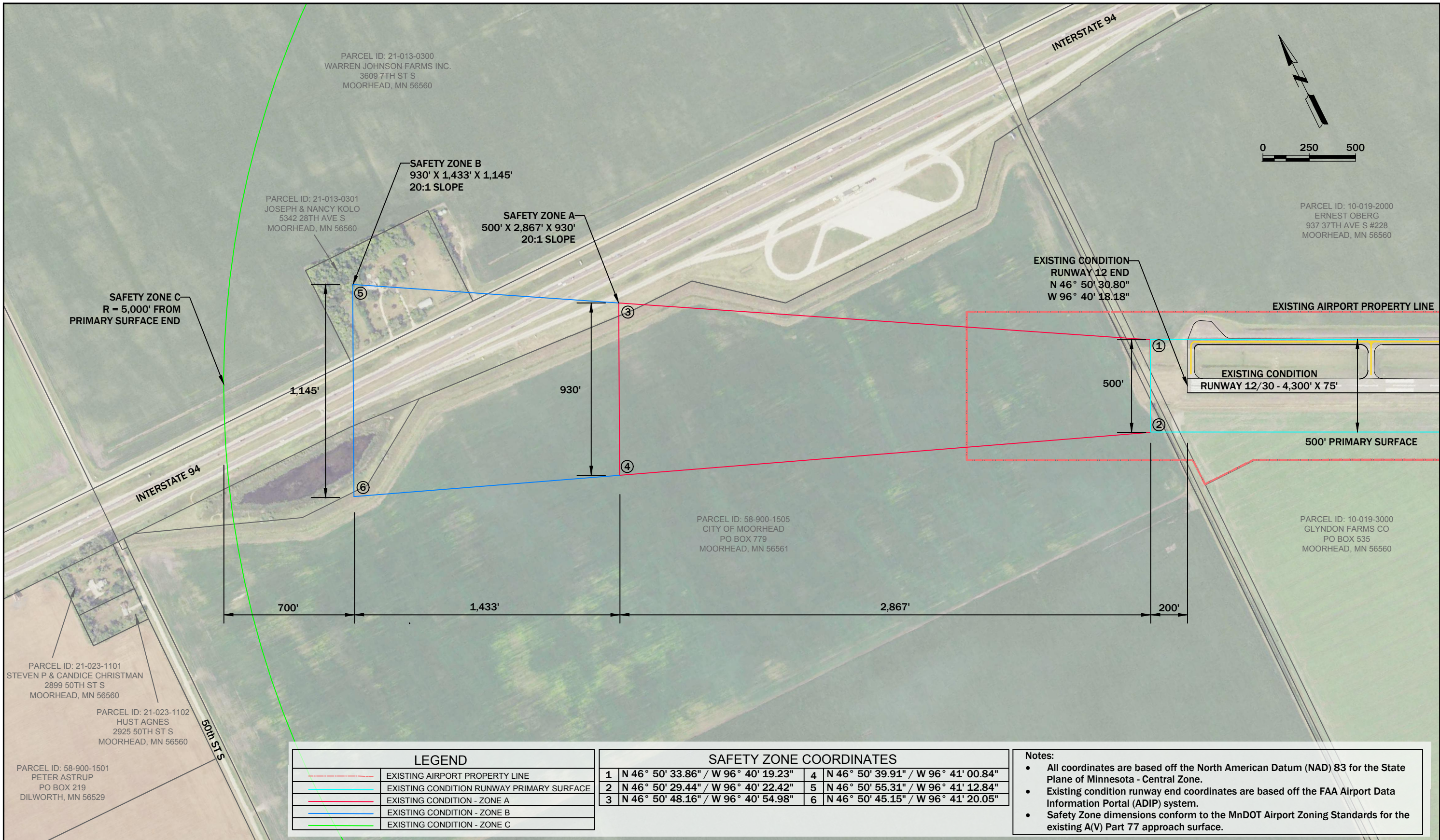
**EXHIBIT A**

Airspace and Land Use Safety Zoning

MOORHEAD MUNICIPAL AIRPORT ZONING ORDINANCE

This Ordinance affects all or a portion of the following sections of land:

| NAME AND NUMBER OF TOWNSHIP                                | AIR SPACE OBSTRUCTION ZONING:<br>Section IV of Ordinance;<br>Map Exhibit 8                    | LAND USE SAFETY ZONING:<br>Section V of Ordinance;<br>Map Exhibits 1-7 |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Elmwood<br>Township<br>T <u>138</u> N<br>R <u>47</u> W     | Sections:<br>4, 5, 6                                                                          | Sections:                                                              |
| Glyndon<br>Township<br>T <u>139</u> N<br>R <u>47</u> W     | Sections:<br>5, 6, 7, 8, 9, 15, 16, 17, 18, 19, 20, 21, 22,<br>27, 28, 29, 30, 31, 32, 33, 34 | Sections:<br>7, 8, 16, 17, 18, 19, 20, 21, 28, 29, 30,<br>31, 32, 33   |
| Kurtz<br>Township<br>T <u>138</u> N<br>R <u>48</u> W       | Sections:<br>1, 2                                                                             | Sections:                                                              |
| Moorhead<br>Township<br>T <u>139</u> N<br>R <u>49-48</u> W | Sections:<br>1, 2, 10, 11, 12, 13, 14, 15, 22, 23, 24, 25,<br>26, 27, 34, 35, 36              | Sections:<br>11, 12, 13, 14, 23, 24, 25, 26, 35, 36                    |



PARCEL ID: 21-013-0300  
WARREN JOHNSON FARMS INC.  
3609 7TH ST S  
MOORHEAD, MN 56560

PARCEL ID: 21-013-0301  
JOSEPH & NANCY KOLO  
5342 28TH AVE S  
MOORHEAD, MN 56560

PARCEL ID: 10-019-2000  
ERNEST OBERG  
937 37TH AVE S #228  
MOORHEAD, MN 56560

PARCEL ID: 58-900-1505  
CITY OF MOORHEAD  
PO BOX 779  
MOORHEAD, MN 56561

PARCEL ID: 10-019-3000  
GLYNDON FARMS CO  
PO BOX 535  
MOORHEAD, MN 56560

PARCEL ID: 21-023-1101  
STEVEN P & CANDICE CHRISTMAN  
2899 50TH ST S  
MOORHEAD, MN 56560

PARCEL ID: 21-023-1102  
HUST AGNES  
2925 50TH ST S  
MOORHEAD, MN 56560

PARCEL ID: 58-900-1501  
PETER ASTRUP  
PO BOX 219  
DILWORTH, MN 56529

| LEGEND |                                           |
|--------|-------------------------------------------|
|        | EXISTING AIRPORT PROPERTY LINE            |
|        | EXISTING CONDITION RUNWAY PRIMARY SURFACE |
|        | EXISTING CONDITION - ZONE A               |
|        | EXISTING CONDITION - ZONE B               |
|        | EXISTING CONDITION - ZONE C               |

| SAFETY ZONE COORDINATES |                                     |   |                                     |
|-------------------------|-------------------------------------|---|-------------------------------------|
| 1                       | N 46° 50' 33.86" / W 96° 40' 19.23" | 4 | N 46° 50' 39.91" / W 96° 41' 00.84" |
| 2                       | N 46° 50' 29.44" / W 96° 40' 22.42" | 5 | N 46° 50' 55.31" / W 96° 41' 12.84" |
| 3                       | N 46° 50' 48.16" / W 96° 40' 54.98" | 6 | N 46° 50' 45.15" / W 96° 41' 20.05" |

**Notes:**

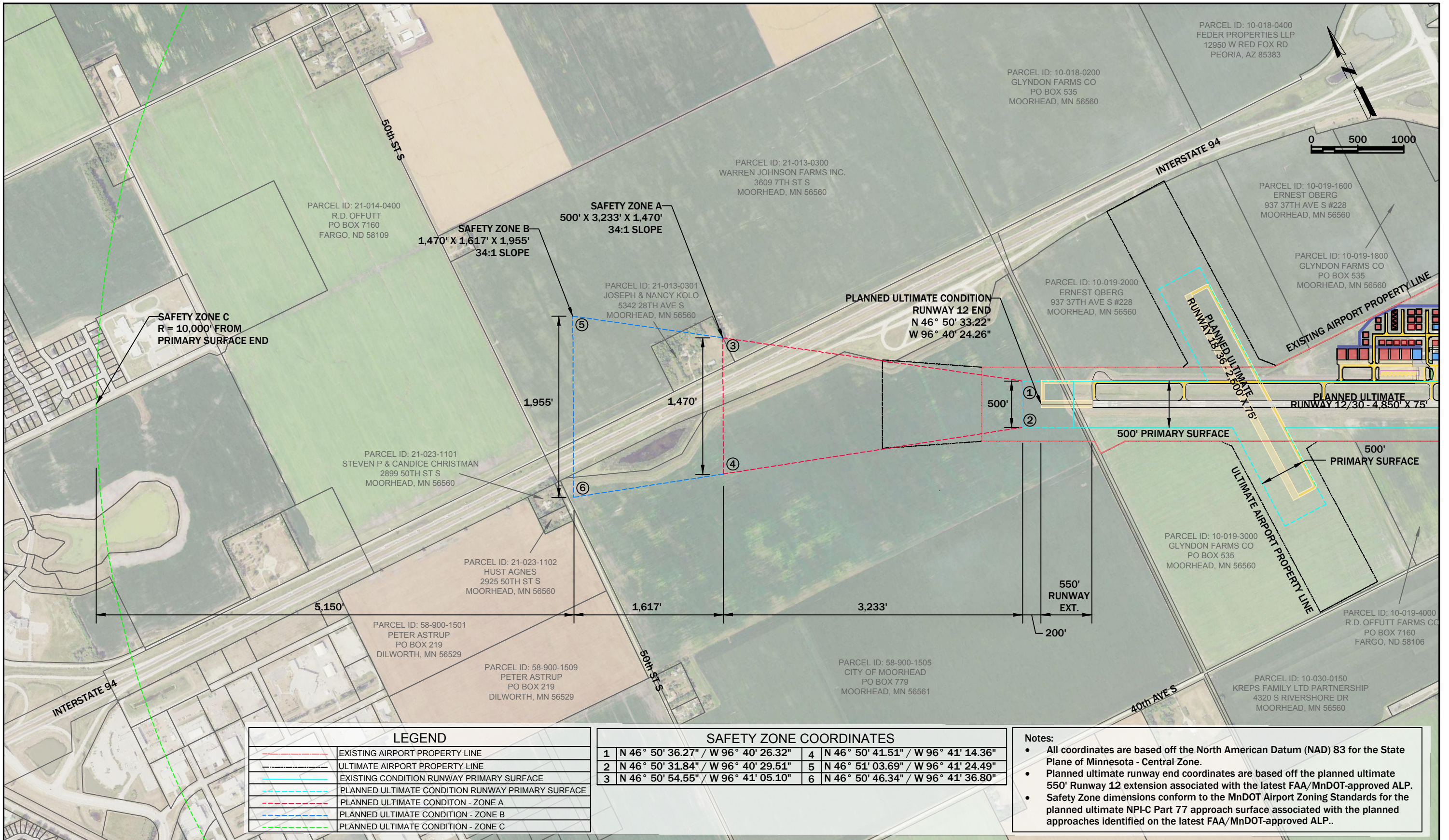
- All coordinates are based off the North American Datum (NAD) 83 for the State Plane of Minnesota - Central Zone.
- Existing condition runway end coordinates are based off the FAA Airport Data Information Portal (ADIP) system.
- Safety Zone dimensions conform to the MnDOT Airport Zoning Standards for the existing A(V) Part 77 approach surface.

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**MOORHEAD MUNICIPAL AIRPORT**  
MOORHEAD, MINNESOTA  
CLIENT# 3212100  
JOB# 221680.01  
DATE SEPTEMBER 2022

**EXISTING CONDITION AIRPORT SAFETY ZONES -  
RUNWAY 12**





| LEGEND |                                                   |
|--------|---------------------------------------------------|
|        | EXISTING AIRPORT PROPERTY LINE                    |
|        | ULTIMATE AIRPORT PROPERTY LINE                    |
|        | EXISTING CONDITION RUNWAY PRIMARY SURFACE         |
|        | PLANNED ULTIMATE CONDITION RUNWAY PRIMARY SURFACE |
|        | PLANNED ULTIMATE CONDITON - ZONE A                |
|        | PLANNED ULTIMATE CONDITION - ZONE B               |
|        | PLANNED ULTIMATE CONDITION - ZONE C               |

| SAFETY ZONE COORDINATES |                                     |   |                                     |
|-------------------------|-------------------------------------|---|-------------------------------------|
| 1                       | N 46° 50' 36.27" / W 96° 40' 26.32" | 4 | N 46° 50' 41.51" / W 96° 41' 14.36" |
| 2                       | N 46° 50' 31.84" / W 96° 40' 29.51" | 5 | N 46° 51' 03.69" / W 96° 41' 24.49" |
| 3                       | N 46° 50' 54.55" / W 96° 41' 05.10" | 6 | N 46° 50' 46.34" / W 96° 41' 36.80" |

**Notes:**

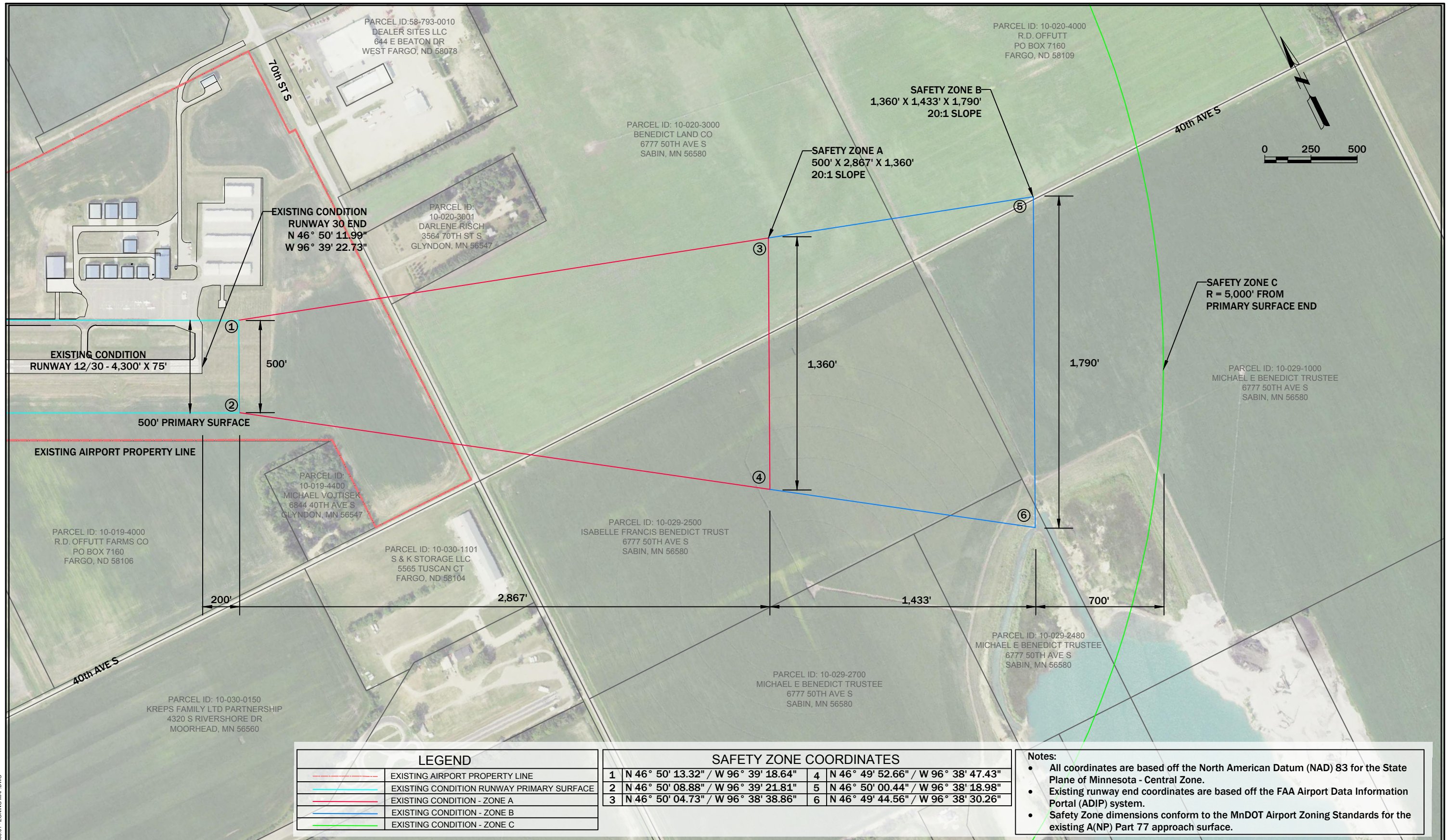
- All coordinates are based off the North American Datum (NAD) 83 for the State Plane of Minnesota - Central Zone.
- Planned ultimate runway end coordinates are based off the planned ultimate 550' Runway 12 extension associated with the latest FAA/MnDOT-approved ALP.
- Safety Zone dimensions conform to the MnDOT Airport Zoning Standards for the planned ultimate NPI-C Part 77 approach surface associated with the planned approaches identified on the latest FAA/MnDOT-approved ALP..

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**MOORHEAD MUNICIPAL AIRPORT**  
**MOORHEAD, MINNESOTA**  
 CLIENT# 3212100  
 JOB# 221680.01  
 DATE SEPTEMBER 2022

**PLANNED ULTIMATE CONDITION AIRPORT SAFETY ZONES -  
 RUNWAY 12**





| LEGEND |                                           |
|--------|-------------------------------------------|
|        | EXISTING AIRPORT PROPERTY LINE            |
|        | EXISTING CONDITION RUNWAY PRIMARY SURFACE |
|        | EXISTING CONDITION - ZONE A               |
|        | EXISTING CONDITION - ZONE B               |
|        | EXISTING CONDITION - ZONE C               |

| SAFETY ZONE COORDINATES |                                     |   |                                     |
|-------------------------|-------------------------------------|---|-------------------------------------|
| 1                       | N 46° 50' 13.32" / W 96° 39' 18.64" | 4 | N 46° 49' 52.66" / W 96° 38' 47.43" |
| 2                       | N 46° 50' 08.88" / W 96° 39' 21.81" | 5 | N 46° 50' 00.44" / W 96° 38' 18.98" |
| 3                       | N 46° 50' 04.73" / W 96° 38' 38.86" | 6 | N 46° 49' 44.56" / W 96° 38' 30.26" |

**Notes:**

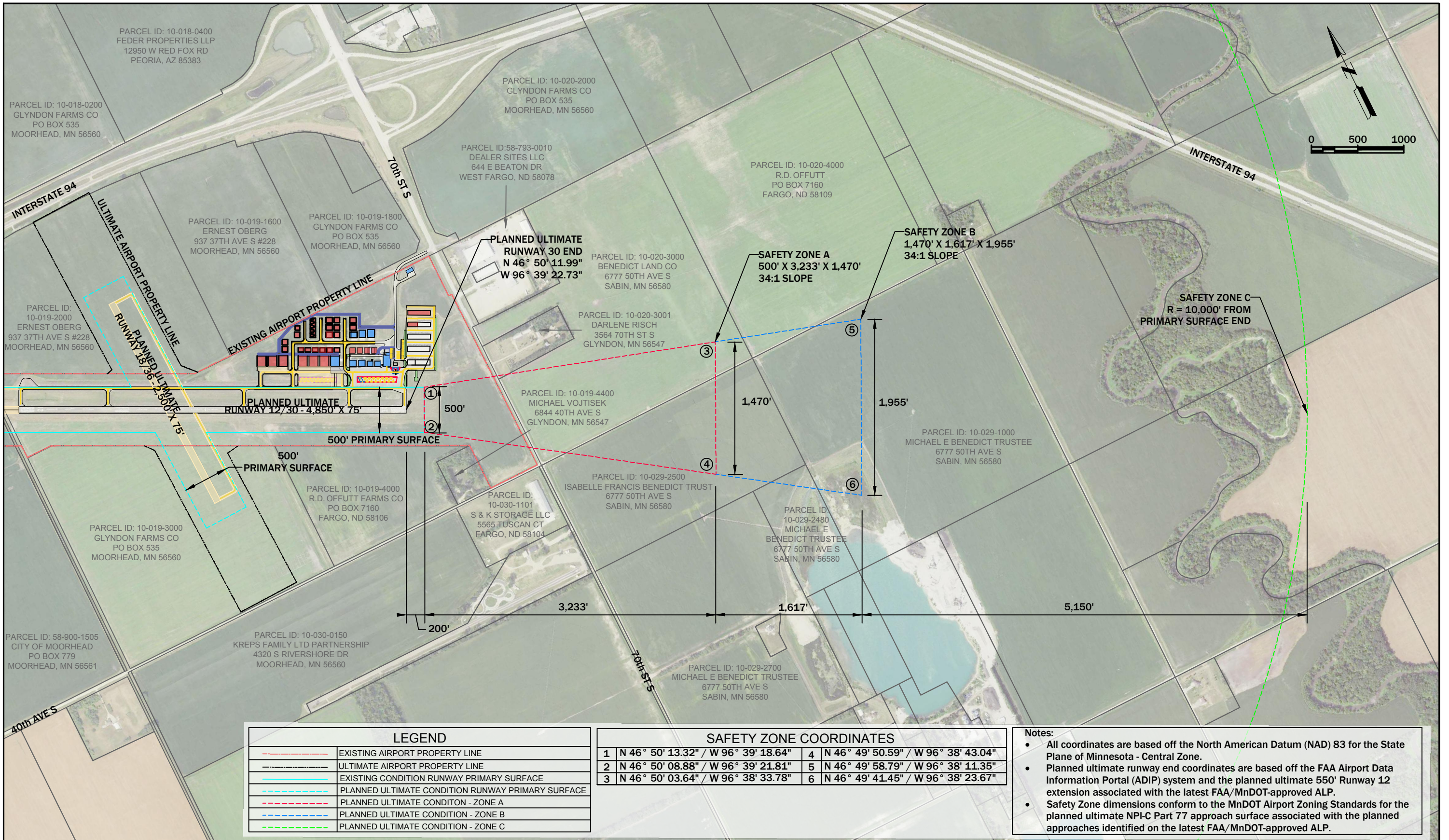
- All coordinates are based off the North American Datum (NAD) 83 for the State Plane of Minnesota - Central Zone.
- Existing runway end coordinates are based off the FAA Airport Data Information Portal (ADIP) system.
- Safety Zone dimensions conform to the MnDOT Airport Zoning Standards for the existing A(NP) Part 77 approach surface.

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**MOORHEAD MUNICIPAL AIRPORT**  
**MOORHEAD, MINNESOTA**  
 CLIENT# 3212100  
 JOB# 221680.01  
 DATE SEPTEMBER 2022

**EXISTING CONDITION AIRPORT SAFETY ZONES -**  
**RUNWAY 30**





| LEGEND |                                                   |
|--------|---------------------------------------------------|
|        | EXISTING AIRPORT PROPERTY LINE                    |
|        | ULTIMATE AIRPORT PROPERTY LINE                    |
|        | EXISTING CONDITION RUNWAY PRIMARY SURFACE         |
|        | PLANNED ULTIMATE CONDITION RUNWAY PRIMARY SURFACE |
|        | PLANNED ULTIMATE CONDITON - ZONE A                |
|        | PLANNED ULTIMATE CONDITON - ZONE B                |
|        | PLANNED ULTIMATE CONDITON - ZONE C                |

| SAFETY ZONE COORDINATES |                                     |   |                                     |
|-------------------------|-------------------------------------|---|-------------------------------------|
| 1                       | N 46° 50' 13.32" / W 96° 39' 18.64" | 4 | N 46° 49' 50.59" / W 96° 38' 43.04" |
| 2                       | N 46° 50' 08.88" / W 96° 39' 21.81" | 5 | N 46° 49' 58.79" / W 96° 38' 11.35" |
| 3                       | N 46° 50' 03.64" / W 96° 38' 33.78" | 6 | N 46° 49' 41.45" / W 96° 38' 23.67" |

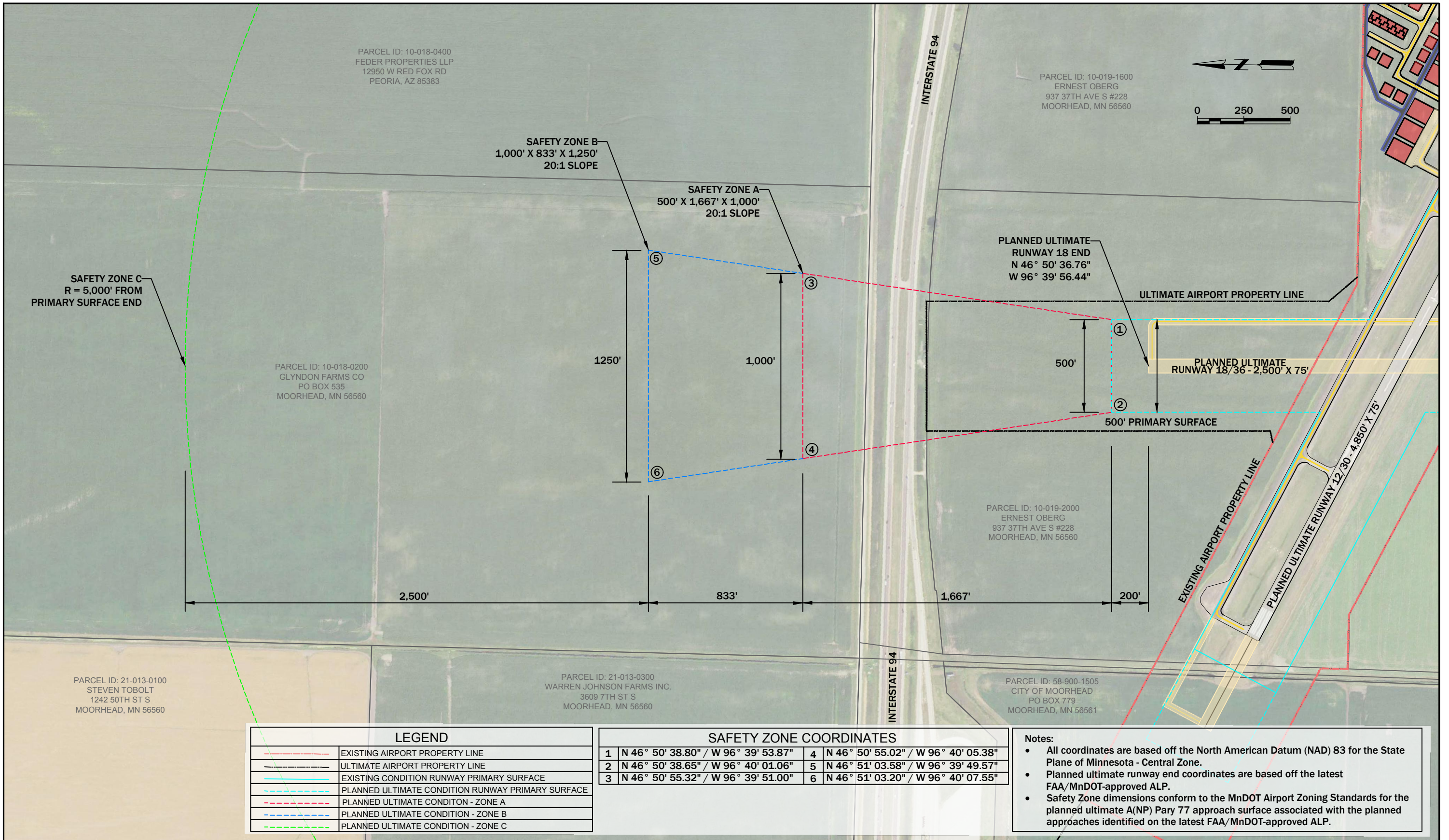
- Notes:
- All coordinates are based off the North American Datum (NAD) 83 for the State Plane of Minnesota - Central Zone.
  - Planned ultimate runway end coordinates are based off the FAA Airport Data Information Portal (ADIP) system and the planned ultimate 550' Runway 12 extension associated with the latest FAA/MnDOT-approved ALP.
  - Safety Zone dimensions conform to the MnDOT Airport Zoning Standards for the planned ultimate NPI-C Part 77 approach surface associated with the planned approaches identified on the latest FAA/MnDOT-approved ALP.

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**MOORHEAD MUNICIPAL AIRPORT**  
**MOORHEAD, MINNESOTA**  
 CLIENT# 3212100  
 JOB# 221680.01  
 DATE SEPTEMBER 2022

**PLANNED ULTIMATE AIRPORT SAFETY ZONES -**  
**RUNWAY 30**





PARCEL ID: 10-018-0400  
 FEDER PROPERTIES LLP  
 12950 W RED FOX RD  
 PEORIA, AZ 85383

PARCEL ID: 10-019-1600  
 ERNEST OBERG  
 937 37TH AVE S #228  
 MOORHEAD, MN 56560

PARCEL ID: 10-018-0200  
 GLYNDON FARMS CO  
 PO BOX 535  
 MOORHEAD, MN 56560

PARCEL ID: 10-019-2000  
 ERNEST OBERG  
 937 37TH AVE S #228  
 MOORHEAD, MN 56560

PARCEL ID: 21-013-0100  
 STEVEN TOBOLT  
 1242 50TH ST S  
 MOORHEAD, MN 56560

PARCEL ID: 21-013-0300  
 WARREN JOHNSON FARMS INC.  
 3609 7TH ST S  
 MOORHEAD, MN 56560

PARCEL ID: 58-900-1505  
 CITY OF MOORHEAD  
 PO BOX 779  
 MOORHEAD, MN 56561

| LEGEND |                                                   |
|--------|---------------------------------------------------|
|        | EXISTING AIRPORT PROPERTY LINE                    |
|        | ULTIMATE AIRPORT PROPERTY LINE                    |
|        | EXISTING CONDITION RUNWAY PRIMARY SURFACE         |
|        | PLANNED ULTIMATE CONDITION RUNWAY PRIMARY SURFACE |
|        | PLANNED ULTIMATE CONDITON - ZONE A                |
|        | PLANNED ULTIMATE CONDITON - ZONE B                |
|        | PLANNED ULTIMATE CONDITON - ZONE C                |

| SAFETY ZONE COORDINATES |                                     |   |                                     |
|-------------------------|-------------------------------------|---|-------------------------------------|
| 1                       | N 46° 50' 38.80" / W 96° 39' 53.87" | 4 | N 46° 50' 55.02" / W 96° 40' 05.38" |
| 2                       | N 46° 50' 38.65" / W 96° 40' 01.06" | 5 | N 46° 51' 03.58" / W 96° 39' 49.57" |
| 3                       | N 46° 50' 55.32" / W 96° 39' 51.00" | 6 | N 46° 51' 03.20" / W 96° 40' 07.55" |

**Notes:**

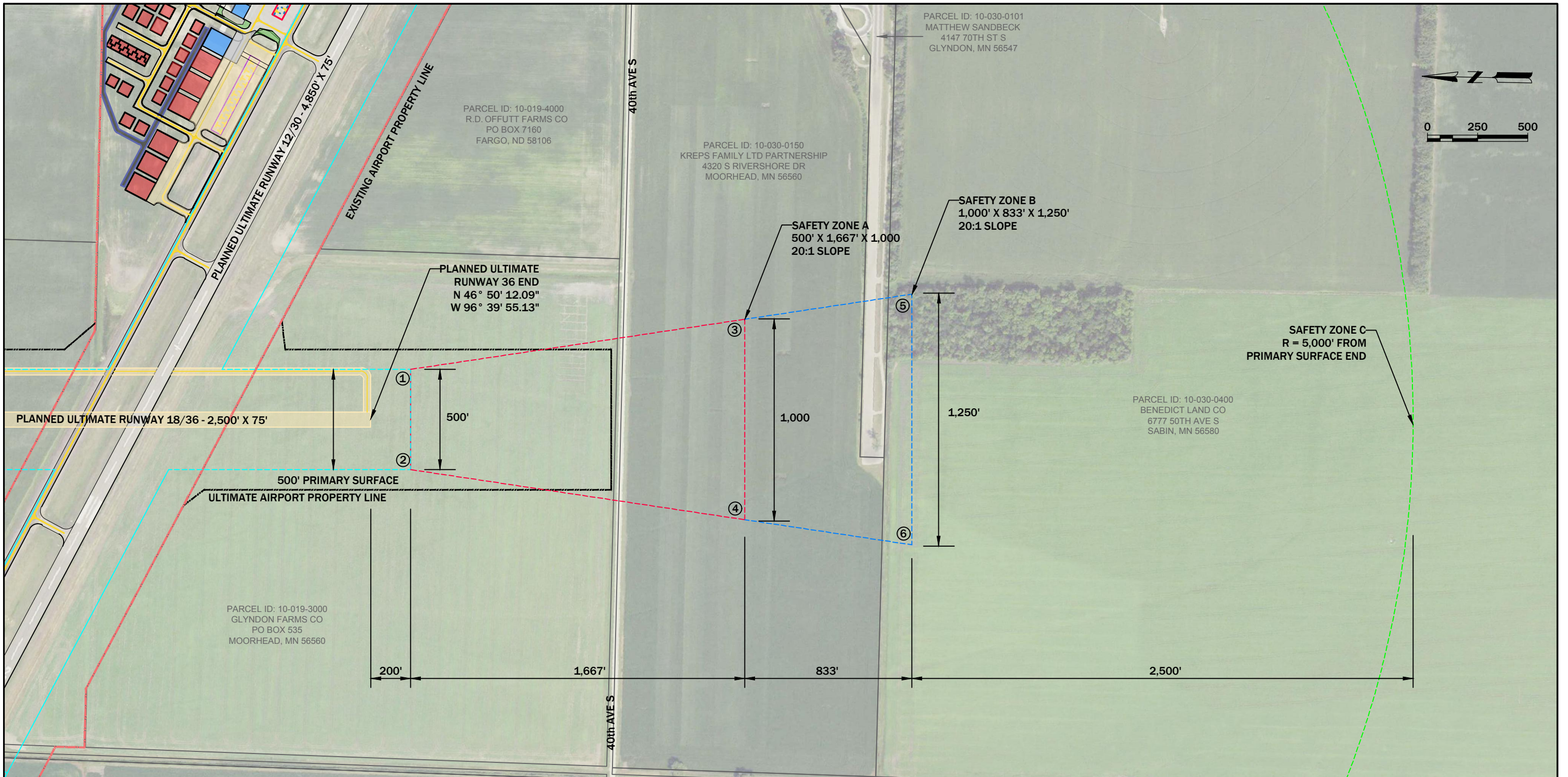
- All coordinates are based off the North American Datum (NAD) 83 for the State Plane of Minnesota - Central Zone.
- Planned ultimate runway end coordinates are based off the latest FAA/MnDOT-approved ALP.
- Safety Zone dimensions conform to the MnDOT Airport Zoning Standards for the planned ultimate A(NP) Pary 77 approach surface associated with the planned approaches identified on the latest FAA/MnDOT-approved ALP.

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MOORHEAD MUNICIPAL AIRPORT  
 MOORHEAD, MINNESOTA  
 CLIENT# 3212100  
 JOB# 221680.01  
 DATE SEPTEMBER 2022

PLANNED ULTIMATE AIRPORT SAFETY ZONES -  
 RUNWAY 18





PARCEL ID: 58-900-1505  
 CITY OF MOORHEAD  
 PO BOX 779  
 MOORHEAD, MN 56561

| LEGEND |                                                   |
|--------|---------------------------------------------------|
|        | EXISTING AIRPORT PROPERTY LINE                    |
|        | ULTIMATE AIRPORT PROPERTY LINE                    |
|        | EXISTING CONDITION RUNWAY PRIMARY SURFACE         |
|        | PLANNED ULTIMATE CONDITION RUNWAY PRIMARY SURFACE |
|        | PLANNED ULTIMATE CONDITION - ZONE A               |
|        | PLANNED ULTIMATE CONDITION - ZONE B               |
|        | PLANNED ULTIMATE CONDITION - ZONE C               |

| SAFETY ZONE COORDINATES |                                     |   |                                     |
|-------------------------|-------------------------------------|---|-------------------------------------|
| 1                       | N 46° 50' 10.19" / W 96° 39' 52.59" | 4 | N 46° 49' 53.52" / W 96° 40' 02.65" |
| 2                       | N 46° 50' 10.04" / W 96° 39' 59.78" | 5 | N 46° 49' 45.63" / W 96° 39' 46.11" |
| 3                       | N 46° 49' 53.82" / W 96° 39' 48.27" | 6 | N 46° 49' 45.26" / W 96° 40' 04.08" |

**Notes:**

- All coordinates are based off the North American Datum (NAD) 83 for the State Plane of Minnesota - Central Zone.
- Planned ultimate runway end coordinates are based off the latest FAA/MnDOT-approved ALP.
- Safety Zone dimensions conform to the MnDOT Airport Zoning Standards for the planned ultimate A(NP) Pary 77 approach surface associated with the planned approaches identified on the latest FAA/MnDOT-approved ALP.

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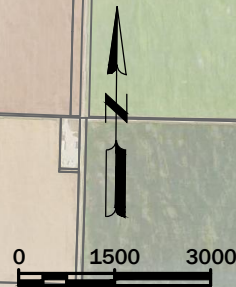
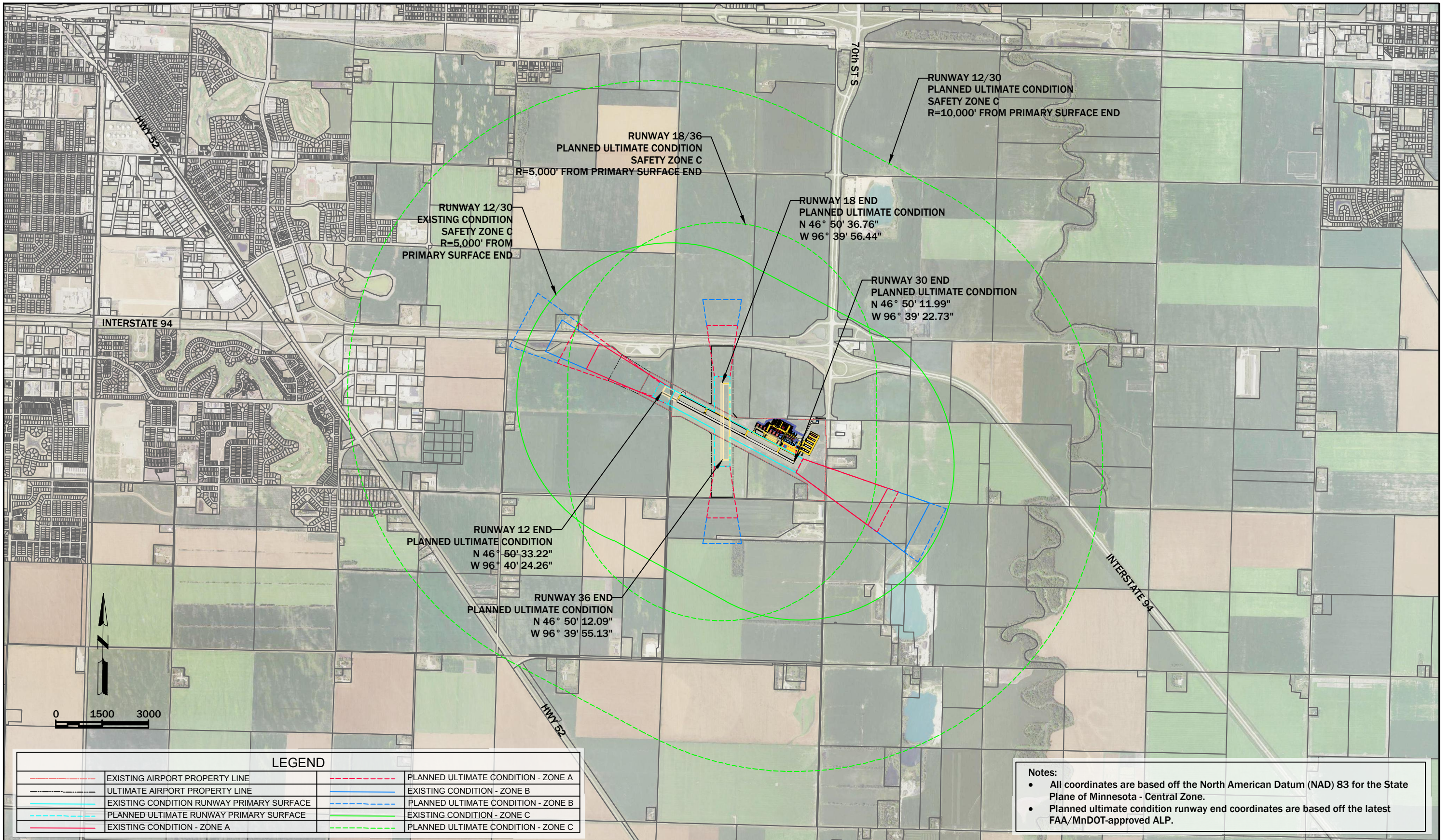
**MOORHEAD MUNICIPAL AIRPORT**  
 MOORHEAD, MINNESOTA

CLIENT# 3212100  
 JOB# 221680.01  
 DATE SEPTEMBER 2022

**PLANNED ULTIMATE AIRPORT SAFETY ZONES -**  
**RUNWAY 36**







| LEGEND |                                           |  |                                     |
|--------|-------------------------------------------|--|-------------------------------------|
|        | EXISTING AIRPORT PROPERTY LINE            |  | PLANNED ULTIMATE CONDITION - ZONE A |
|        | ULTIMATE AIRPORT PROPERTY LINE            |  | EXISTING CONDITION - ZONE B         |
|        | EXISTING CONDITION RUNWAY PRIMARY SURFACE |  | PLANNED ULTIMATE CONDITION - ZONE B |
|        | PLANNED ULTIMATE RUNWAY PRIMARY SURFACE   |  | EXISTING CONDITION - ZONE C         |
|        | EXISTING CONDITION - ZONE A               |  | PLANNED ULTIMATE CONDITION - ZONE C |

Notes:

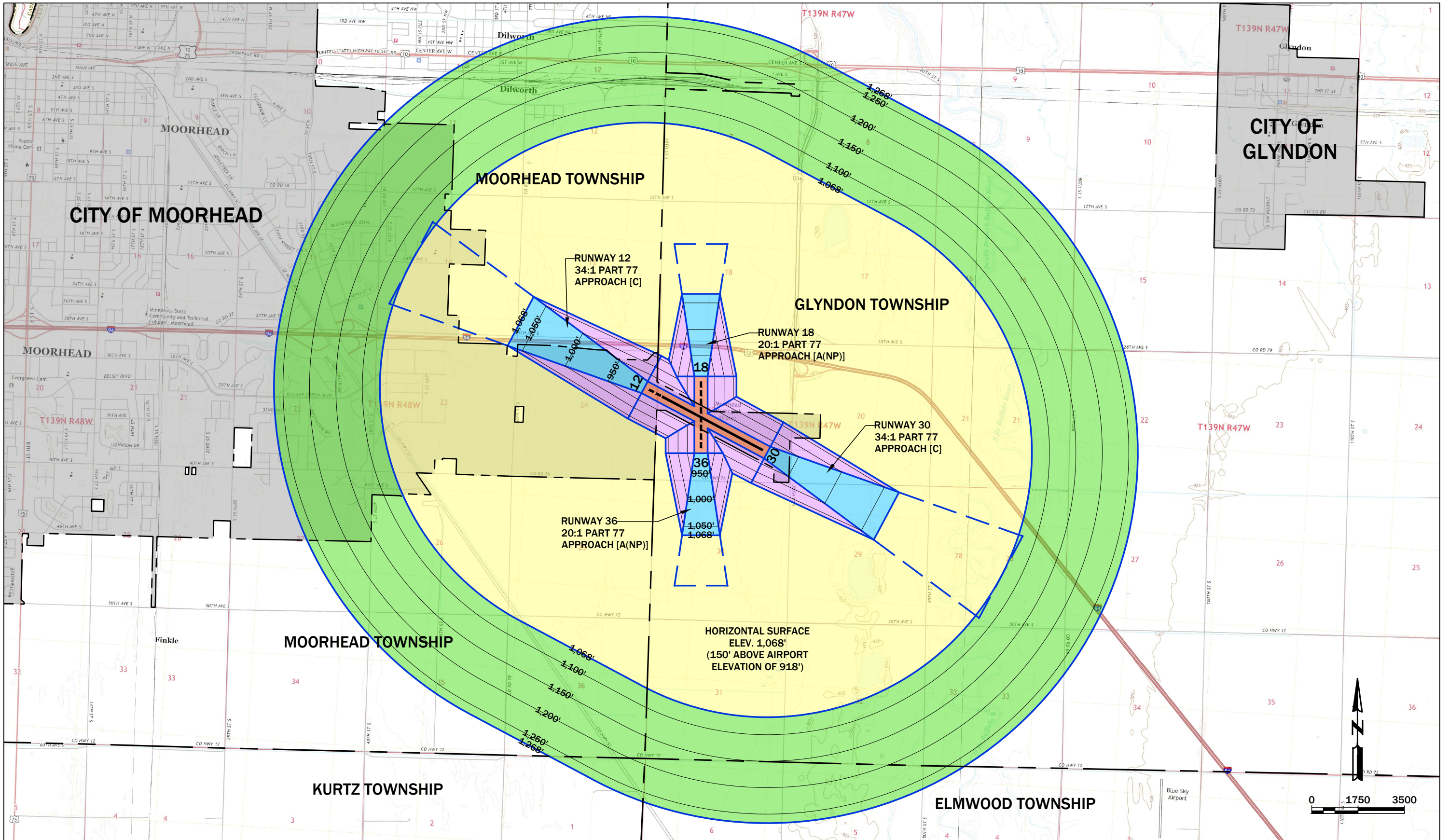
- All coordinates are based off the North American Datum (NAD) 83 for the State Plane of Minnesota - Central Zone.
- Planned ultimate condition runway end coordinates are based off the latest FAA/MnDOT-approved ALP.

10/6/2022 4:12:16 PM  
 X:\32121001\21680.01\TECH\CAD\21680.01 - ZONING MAP.DWG

**MOORHEAD MUNICIPAL AIRPORT**  
**MOORHEAD, MINNESOTA**  
 CLIENT# 3212100  
 JOB# 221680.01  
 DATE SEPTEMBER 2022

**AIRPORT SAFETY ZONES - EXISTING CONDITIONS AND**  
**PLANNED ULTIMATE CONDITIONS**





2/24/2023 2:59:04 PM  
 X:\3212100\221680.01\TECH\CAD\21680.01 - JKJ AIRSPACE.DWG

**MOORHEAD MUNICIPAL AIRPORT**  
**MOORHEAD, MINNESOTA**  
 CLIENT# 3212100  
 JOB# 221680.01  
 DATE FEBRUARY 2023

**AIRSPACE OBSTRUCTION ZONING**

| LEGEND                                                                                                                |                   |
|-----------------------------------------------------------------------------------------------------------------------|-------------------|
| <span style="display:inline-block; width:15px; height:10px; background-color:orange; border:1px solid black;"></span> | PRIMARY ZONE      |
| <span style="display:inline-block; width:15px; height:10px; background-color:yellow; border:1px solid black;"></span> | HORIZONTAL ZONE   |
| <span style="display:inline-block; width:15px; height:10px; background-color:green; border:1px solid black;"></span>  | CONICAL ZONE      |
| <span style="display:inline-block; width:15px; height:10px; background-color:blue; border:1px solid black;"></span>   | APPROACH ZONE     |
| <span style="display:inline-block; width:15px; height:10px; background-color:purple; border:1px solid black;"></span> | TRANSITIONAL ZONE |

Exhibit 8





Moorhead Municipal Airport – Florence Klingensmith Field  
3309 70<sup>th</sup> St S Moorhead, MN 56547

December 27, 2022

**Owner**

Address

City, State

**RE: Airport Zoning to be revised for the Moorhead Municipal Airport – Florence Klingensmith Field**

Dear \_\_\_\_\_:

In order to restrict land uses, which may be hazardous to the operational safety of aircraft using the airport, and to protect the safety and property of people on the ground in the area near the airport, the Moorhead Municipal Airport – Florence Klingensmith Field Zoning Ordinance will be revised.

Since you are an owner of a portion of the area to be zoned, we wanted to reach out and let you know of owner informational meeting opportunities. These meetings will provide an opportunity for questions and answers on the proposed airport zoning and the standards associated within the various zones around the airport.

Please contact **Kristie Leshovsky at 218-299-5332** or [Kristie.Leshovsky@moorheadmn.gov](mailto:Kristie.Leshovsky@moorheadmn.gov) to schedule a day/time to meet.

Available days and times include:

| Wednesday, January 11 | Thursday, January 12 | Friday, January 13 |
|-----------------------|----------------------|--------------------|
| 3:00 PM               | Noon                 | 8:00 AM            |
| 4:00 PM               | 1:00 PM              | 9:00 AM            |
|                       | 2:00 PM              | 10:00 AM           |
|                       | 3:00 PM              | 11:00 AM           |
|                       | 4:00 PM              |                    |

If you have any questions or concerns or if you would like to schedule a time to meet, please contact Kristie Leshovsky at your earliest convenience.

Sincerely,

Kristie Leshovsky  
Community Development Director  
Enclosure: Airport Zoning Overview and Map

**Additional information available at:** [www.cityofmoorhead.com/departments/planning-and-neighborhood-services/airport](http://www.cityofmoorhead.com/departments/planning-and-neighborhood-services/airport) or [www.cityofmoorhead.com](http://www.cityofmoorhead.com) – search for “Airport”

## Airport Zoning Overview:

Airport Zoning exists for the current infrastructure. The City is updating the zoning to comply with MnDOT Zoning Standards and the addition of possible future expansion of the Airport (exp: Crosswind Runway, Runway Expansion).

### Zone Overview:

#### **Zone A: Subject to height and use restrictions.**

- Permitted Uses: Permitted uses in Zone include but are not limited to agriculture, horticulture, animal husbandry, raising of livestock, wildlife habitat, light outdoor recreation (non-spectator) and auto parking.
- Non-Permitted Uses: Areas designated Zone A shall contain no buildings, temporary structures, exposed transmission lines, or other similar above-ground land use structural hazards. Uses shall not create, attract, or bring together an assembly of persons.

#### **Zone B**

- General Use Standards:

| Site Area – at least (acres) | Site Area – but less than (acres) | Ratio of Site area to Building Plot Area | Building Plot Area (square footage) | Maximum Site population |
|------------------------------|-----------------------------------|------------------------------------------|-------------------------------------|-------------------------|
| 3                            | 4                                 | 12:1                                     | 10,900                              | 45                      |
| 4                            | 6                                 | 10:1                                     | 17,400                              | 60                      |
| 6                            | 10                                | 8:1                                      | 32,700                              | 90                      |
| 10                           | 20                                | 6:1                                      | 72,600                              | 150                     |
| 20                           | 20+                               | 4:1                                      | 218,000                             | 300                     |

#### **Zone C**

- Height or other restriction may apply