

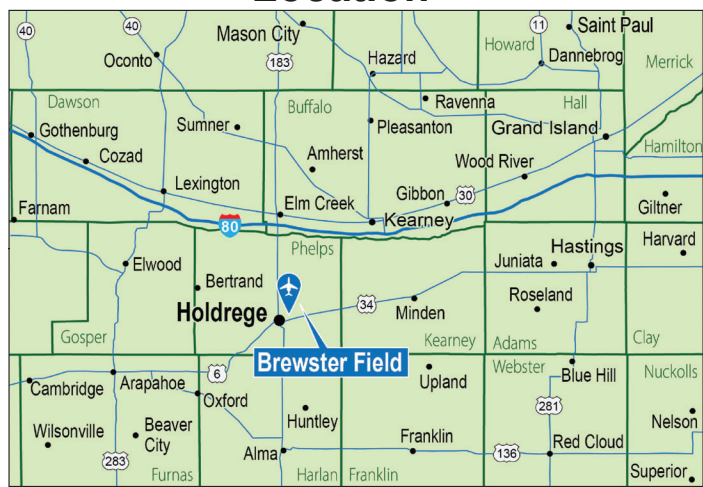
AIRPORT LAYOUT PLAN

for the

BREWSTER FIELD AIRPORT

Holdrege, Nebraska

Location



Prepared for the
Holdrege Airport Authority

Drawing Index

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Vicinity



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					Brewster Field Airport	
					Title Sheet	
					Holdrege, Nebraska	
					DRAFT	
					PLANNED BY: Ksenia Kerentseva	
					DETAILED BY: Ethan Blackburn	
					APPROVED BY: Tim Kahmann	
					July 2023	
					SHEET 1 OF 15	

THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A PLANNING GRANT FROM THE FEDERAL AVIATION ADMINISTRATION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982, AS AMENDED. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEW OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT OF THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH THE APPROPRIATE PUBLIC LAWS

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Runway Data Table			Runway 18/36						Runway 11/29			Runway 11/29		Runway 12/30	
			Existing		Future		Ultimate		Existing		Future/Ultimate		Future/Ultimate		
Runway Identification			18	36	1	19	1	19	11	29	11	29	12	30	
Runway Design Code (RDC)			B-I-5000		B-II-5000		C-II-5000		A-I (Small)-VIS		To Be Closed		A-I (Small)-VIS		
Approach Reference Code (APRC)			B/III/4000 & D/II/4000		Same		Same		N/A		To Be Closed		N/A		
Departure Reference Code (DPRC)			B/III & D/II		Same		Same		N/A		To Be Closed		N/A		
Runway Surface Material			asphalt/concrete		Same		Same		Turf		To Be Closed		Turf		
Runway Pavement Strength By Wheel Loading (in thousands of lbs.)			5:30.0		Same		DW: 50		N/A		To Be Closed		N/A		
Runway Pavement Strength by PCN			N/A		N/A		N/A		N/A		To Be Closed		N/A		
Runway Surface Treatment			None		None		None		N/A		To Be Closed		N/A		
Runway Effective Gradient			0.04%		0.03%		0.07%		0.27%		To Be Closed		0.09%		
Runway Percent Wind Coverage		10.5 knots	91.96%		Same		Same		85.51%		To Be Closed		84.23%		
		13 knots	95.72%		Same		Same		91.73%		To Be Closed		90.77%		
		16 knots	98.61%		Same		Same		96.82%		To Be Closed		96.40%		
		20 knots	99.65%		Same		Same		99.19%		To Be Closed		99.04%		
Runway Dimensions (L x W)			4,701' x 75'		5,500' x 75'		7,000' x 100'		2,350' x 300'		To Be Closed		2,350' x 60'		
Runway End Coordinates	Latitude	40° 27' 32.574" N		40° 27' 46.778" N		Same		40° 27' 40.359" N		Same		40° 27' 7.764" N		40° 26' 57.061" N	
	Longitude	99° 20' 9.309" W		99° 20' 19.475" W		Same		99° 20' 7.580" W		Same		99° 20' 11.637" W		99° 19' 44.655" W	
Runway End Elevation			2,305.89' msl		2,307.80' msl		Same		2,313.00' msl		2,307.27' msl		2,312.94' msl		
Runway Displaced Threshold Coordinates	Latitude	N/A		40° 26' 49.506" N		N/A		40° 26' 56.814" N		N/A		N/A		N/A	
	Longitude	N/A		99° 20' 18.870" W		N/A		99° 20' 17.248" W		N/A		N/A		N/A	
Runway Displaced Threshold Distance			N/A		280'		N/A		1,030'		N/A		N/A		
Runway Displaced Threshold Elevation			N/A		N/A		2308.00' msl		N/A		2308.00' msl		N/A		
Runway Safety Area Dimensions (width x length beyond end) - Design Std.			120' x 240'		150' x 300'		500' x 1,000'		120' x 240'		To Be Closed		120' x 240'		
Runway Safety Area Dimensions (width x length beyond end) - Actual			120' x 240'		150' x 300'		500' x 1,000'		120' x 240'		To Be Closed		120' x 240'		
Runway Lighting Type			MIRL		Same		Same		None		To Be Closed		None		
Runway Protection Zone Dimensions			500' x 1,000' x 700'		500' x 1,000' x 700'		Same		Same		500' x 1,700' x 1,010'		500' x 1,700' x 1,010'		
Runway Marking Type			Non-Precision		Same		Same		Boundary Markers		To Be Closed		Boundary Markers		
14 CFR Part 77 Approach Slope			34:1		34:1		Same		Same		20:1		20:1		
14 CFR Part 77 Approach Type			NPC		NPC		Same		Same		A(V)		A(V)		
Approach Visibility Minimums			1 mile		1 mile		Same		Same		Visual		Visual		
Type of Aeronautical Survey Required for Approach			VG		VG		Same		Same		NVG		NVG		
Departure Surface (Yes or N/A)			Yes		Yes		Same		Same		No		No		
Runway Object Free Area Dimensions (width x length beyond end)			400' x 240'		500' x 300'		800' x 1,000'		250' x 240'		To Be Closed		250' x 240'		
Runway Obstacle Free Zone Dimension (width x length beyond end)			400' x 200'		Same		Same		250' x 200'		To Be Closed		250' x 200'		
13B Approach Surfaces*			5 & 6		5 & 6		Same		Same		2		2		
Runway Visual and Instrument Nav aids			REILs, PAPI-2, GPS, MIRL		REILs, PAPI-4, GPS, MIRL		Same		N/A		To Be Closed		N/A		
Touchdown Zone Elevation (TDZE)			2,309.39' msl		2,309.36' msl		Same		Same		2,313.58' msl		2,313.58' msl		
Vertical Datum			NAVD 88												
Horizontal Datum			NAD 83												

Legend		
	Existing Airport Property Boundary	
	Future Airport Property Boundary	
	Existing Runway Endpoint	
	Future Runway Endpoint	
	Existing Airport Reference Point (ARP)	
	Primary Airport Control Station (PACS)	
	Secondary Airport Control Station (SACS)	
	Existing Railroad	
	Ground Contour	
	35 ft Building Restriction Line (BRL)	
	Vegetation Point	
	Vegetation Area	
	Existing Runway Protection Zone (RPZ)	
	Future Runway Protection Zone (RPZ)	
	Existing Runway Safety Area (RSA)	
	Future Runway Safety Area (RSA)	
	Existing Runway Object Free Area (ROFA)	
	Future Runway Object Free Area (ROFA)	
	Existing 13B Surface 2	
	Existing 13B Surface 6	
	Future 13B Surface 2	
	Future 13B Surface 5	
	Future 13B Surface 6	
	Existing Structure	
	Off Airport Building	
	Future Buildings	
	Existing Turf Runway	
	Existing Runway	
	No-Taxi Island	
	Existing Apron	
	Existing Taxiway	
	Existing Road/Parking	
	Pavement To Be Removed	
	Future Runway/Taxiway	
	Future Apron	
	Future Road/Parking	
	Existing Part 77 Approach Surfaces	
	Future Part 77 Approach Surfaces	
	Future Runway Object Free Area (ROFA)	
	Future Runway Object Free Zone (ROFZ)	
	Critical Area	
	Existing Fence	
	Future Fence	
	Existing Gate	
	Future PAPI-2	
	Future PAPI-4	
	Existing Wind Indicator	
	Segmented Circle	
	AWOS	
	Existing REILs	
	Future REILs	
	Runway Lighting	
	Taxiway Lighting	

FAA APPROVAL STAMP

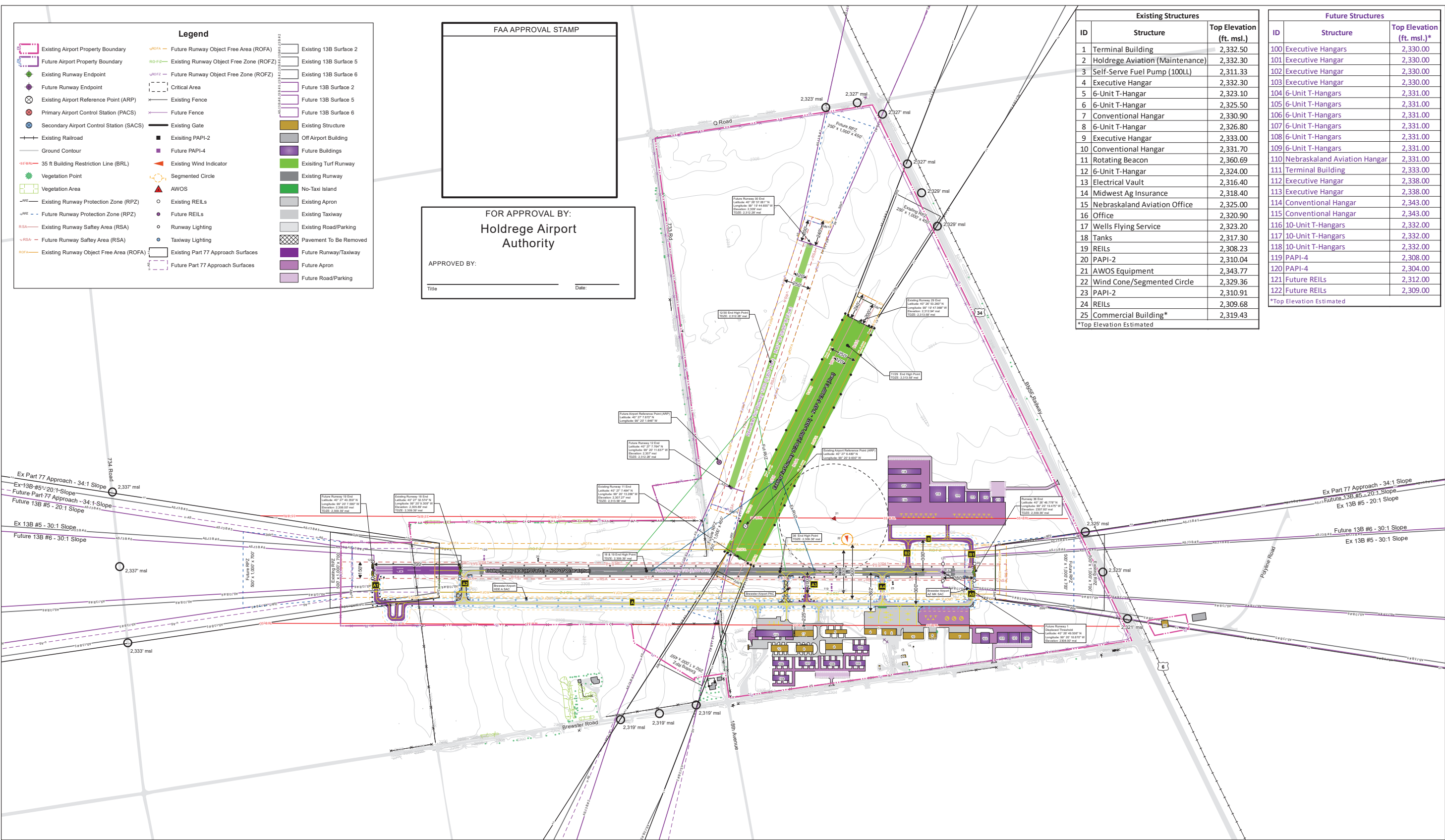
FOR APPROVAL BY:
Holdrege Airport
Authority

APPROVED BY:

Title _____ Date: _____

Existing Structures		
ID	Structure	Top Elevation (ft. msl.)
1	Terminal Building	2,332.50
2	Holdrege Aviation (Maintenance)	2,332.30
3	Self-Serve Fuel Pump (100LL)	2,311.33
4	Executive Hangar	2,332.30
5	6-Unit T-Hangar	2,323.10
6	6-Unit T-Hangar	2,325.50
7	Conventional Hangar	2,330.90
8	6-Unit T-Hangar	2,326.80
9	Executive Hangar	2,333.00
10	Conventional Hangar	2,331.70
11	Rotating Beacon	2,360.69
12	6-Unit T-Hangar	2,324.00
13	Electrical Vault	2,316.40
14	Midwest Ag Insurance	2,318.40
15	Nebraskaland Aviation Office	2,325.00
16	Office	2,320.90
17	Wells Flying Service	2,323.20
18	Tanks	2,317.30
19	REILs	2,308.23
20	PAPI-2	2,310.04
21	AWOS Equipment	2,343.77
22	Wind Cone/Segmented Circle	2,329.36
23	PAPI-2	2,310.91
24	REILs	2,309.68
25	Commercial Building*	2,319.43
*Top Elevation Estimated		

Future Structures		
ID	Structure	Top Elevation (ft. msl.)*
100	Executive Hangars	2,330.00
101	Executive Hangar	2,330.00
102	Executive Hangar	2,330.00
103	Executive Hangar	2,330.00
104	6-Unit T-Hangars	2,331.00
105	6-Unit T-Hangars	2,331.00
106	6-Unit T-Hangars	2,331.00
107	6-Unit T-Hangars	2,331.00
108	6-Unit T-Hangars	2,331.00
109	6-Unit T-Hangars	2,331.00
110	Nebraskaland Aviation Hangar	2,331.00
111	Terminal Building	2,333.00
112	Executive Hangar	2,338.00
113	Executive Hangar	2,338.00
114	Conventional Hangar	2,343.00
115	Conventional Hangar	2,343.00
116	10-Unit T-Hangars	2,332.00
117	10-Unit T-Hangars	2,332.00
118	10-Unit T-Hangars	2,332.00
119	PAPI-4	2,308.00
120	PAPI-4	2,304.00
121	Future REILs	2,312.00
122	Future REILs	2,309.00
*Top Elevation Estimated		



General Notes:
1. Survey Data from Martinez Geospatial - 08/21/2022.
2. All "Future" features shown on this ALD sheet will be symbolized as "Existing" on sheet 4/Ultimate ALD.
3. For clarity, only Future condition TSA's & TOFA's shown.
4. SOP 2.0 required dimensions of landside facilities shown on Terminal Area Drawing.
5. Elevations called out on road/rail intersection points include height adjustment.
6. Existing perimeter fence, where present, is four-foot post & wire. future & ultimate fencing to be 4 foot chain link fencing.
7. For clarity, easements are shown on sheet 15.

Magnetic Declination
4° 30' E ± 0° 23'
changing by 0° 5' W per year (04/2023)

No.	REVISIONS	DATE	BY	APPD

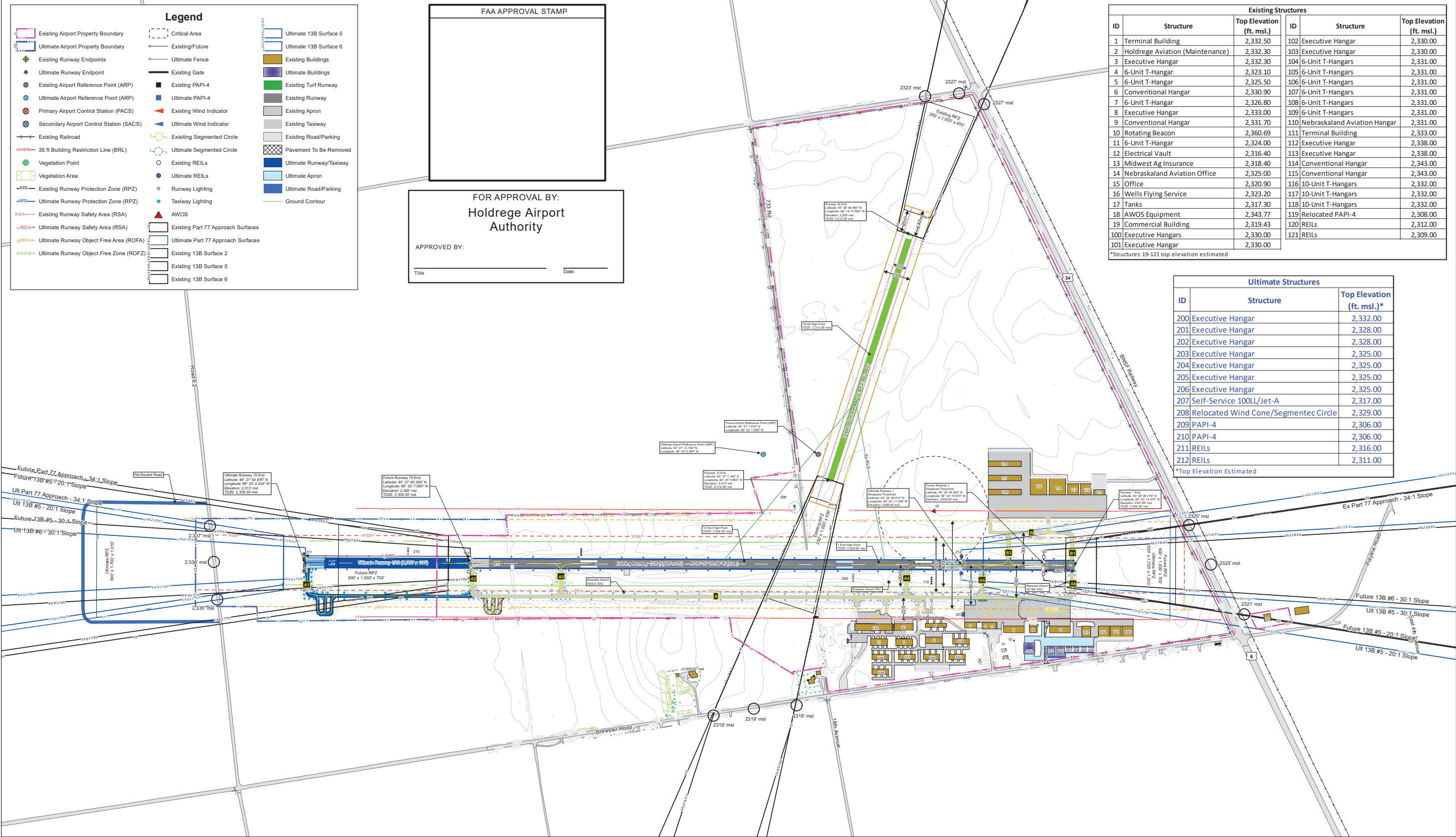
Brewster Field Airport
Airport Layout Plan Drawing -
Existing & Future
Holdrege, Nebraska

PLANNED BY: Ksenia Kerentseva
DETAILED BY: Ethan Blackburn
APPROVED BY: Tim Kahmann

July 2023

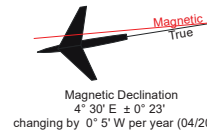
SHEET 3 OF 15

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Associates
Airport Consultants



General Notes:

- Survey Data from Martinez Geospatial - 08/21/2022
- Any "Future" features shown on Sheet 3 are symbolized and referenced as "Existing" on this ultimate ALD.
- For clarity, only ultimate condition TSA, TOFA, RSA, OFA shown.
- SOP 2.0 required dimensions of landside facilities shown on Terminal Area Drawing.
- Elevations called out on road/rail intersection points include height adjustment.
- Existing perimeter fence, where present, is four-foot post & wire. future & ultimate fencing to be 4 foot chain link fencing.
- For clarity, easements are shown on sheet 15.



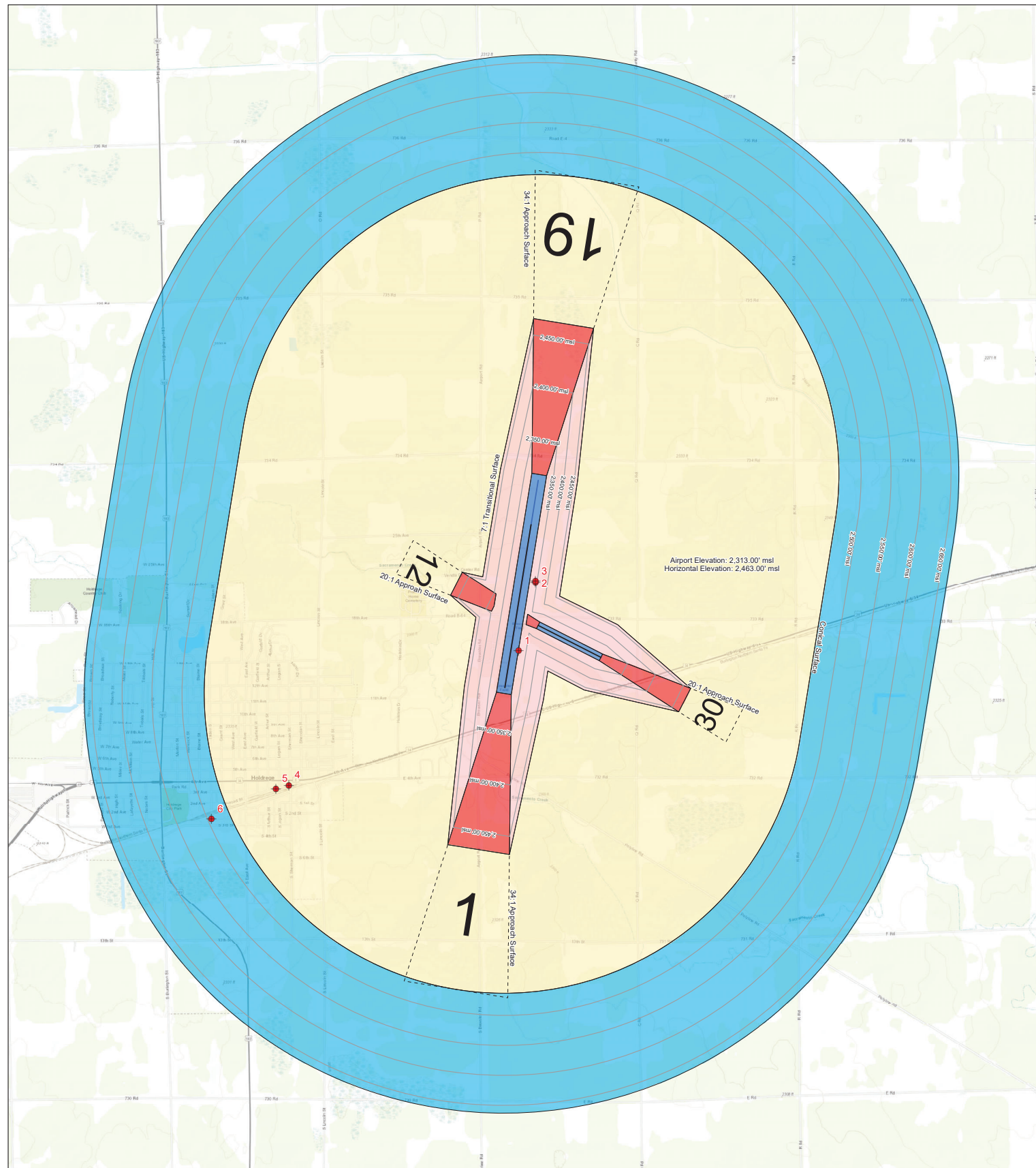
REVISIONS					DATE	BY	APPD
No.							
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Brewster Field Airport
Airport Layout Plan Drawing - Ultimate
Holdrege, Nebraska

PLANNED BY: Ksenia Kerentseva
DETAILED BY: Ethan Blackburn
APPROVED BY: Tim Kahmann
July 2023

SHEET 4 OF 15

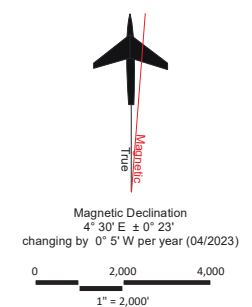
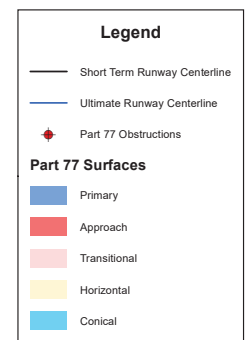
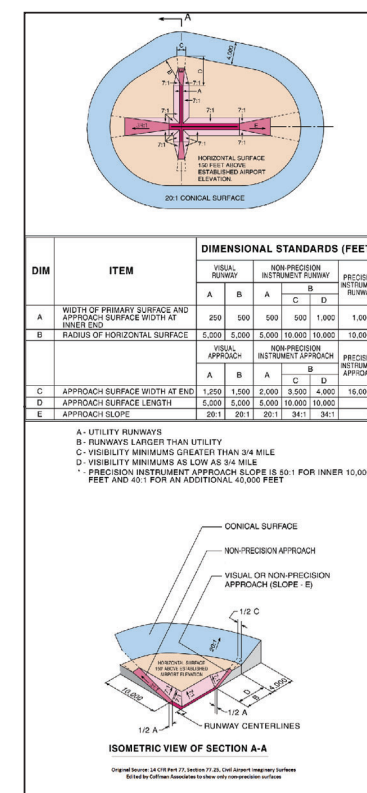
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Airport Consultants



General Notes:

1. Survey data & obstruction points ran for analysis from Martinez Geospatial - 08/21/2022, as well as published points from faa.adip.gov.
2. The Phelps County Planning & Zoning Administrator enforces an Airport Hazard Area District surrounding the airport in accordance with the Nebraska Airport Zoning Act (Nebraska Rev. Statute 3-301). Height restrictions and the Airport Zoning Map are codified in the Phelps County Zoning Resolution Book, Section 4.17: AAA Airport Hazard Area District. (Adopted 12/31/22).

Obstruction Table									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
1	Tree	MTZ	N/A	2,307.57	11.04	2,318.61	Transitional	8.42	Remove Tree
2	Tree	MTZ	N/A	2,311.95	36.60	2,348.55	Transitional	8.80	Remove Tree
3	Tree	MTZ	N/A	2,312.17	36.18	2,348.35	Transitional	8.97	Remove Tree
4	Grain Elevator	MTZ	N/A	2,324.08	187.47	2,511.55	Horizontal	48.55	Add Obstruction Lighting
5	Grain Elevator	MTZ	N/A	2,327.35	168.69	2,496.04	Horizontal	33.04	Add Obstruction Lighting
6	Tower	ADIP	2018-ACE-4307-OE	2,318.00	196.00	2,514.00	Conical	20.33	No Action Required - Obstruction Lighted



Airport Airspace Drawing DRAFT				
Holdrege, Nebraska				
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PLANNED BY: Ksenia Kerntseva

DETAILED BY: Ethan Blackburn

APPROVED BY: Tim Kahmann

July 2023

SHEET

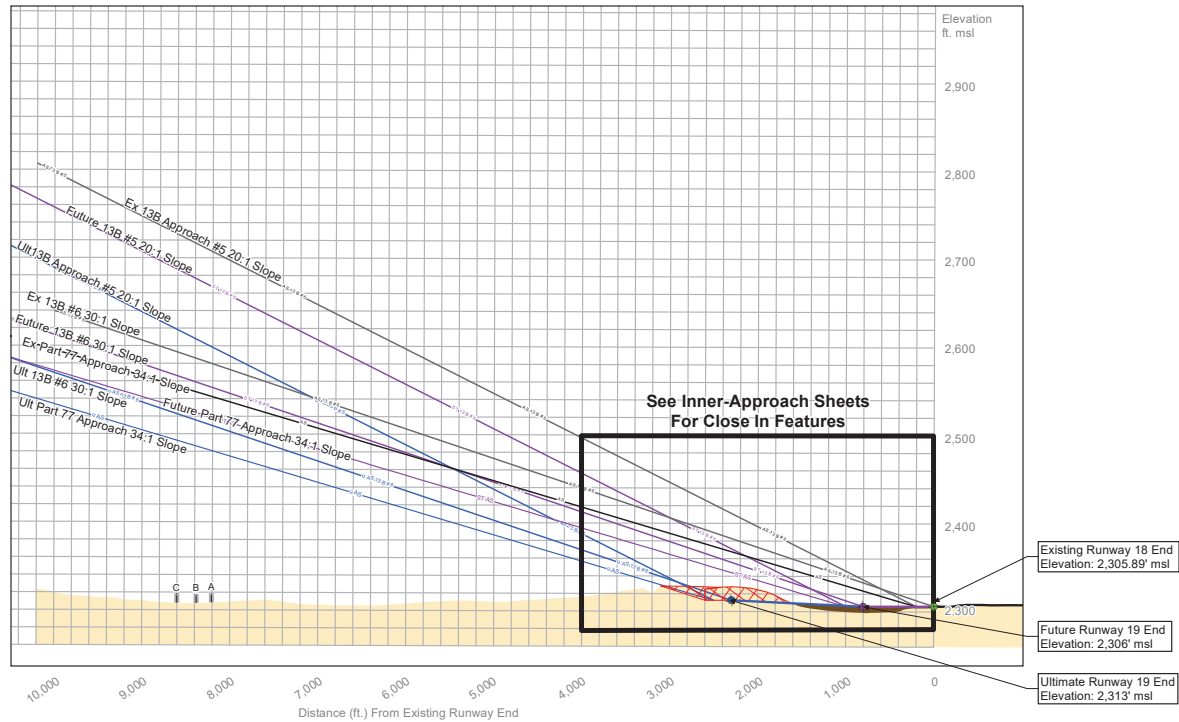
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Runway 18
Outer- Approach Profile

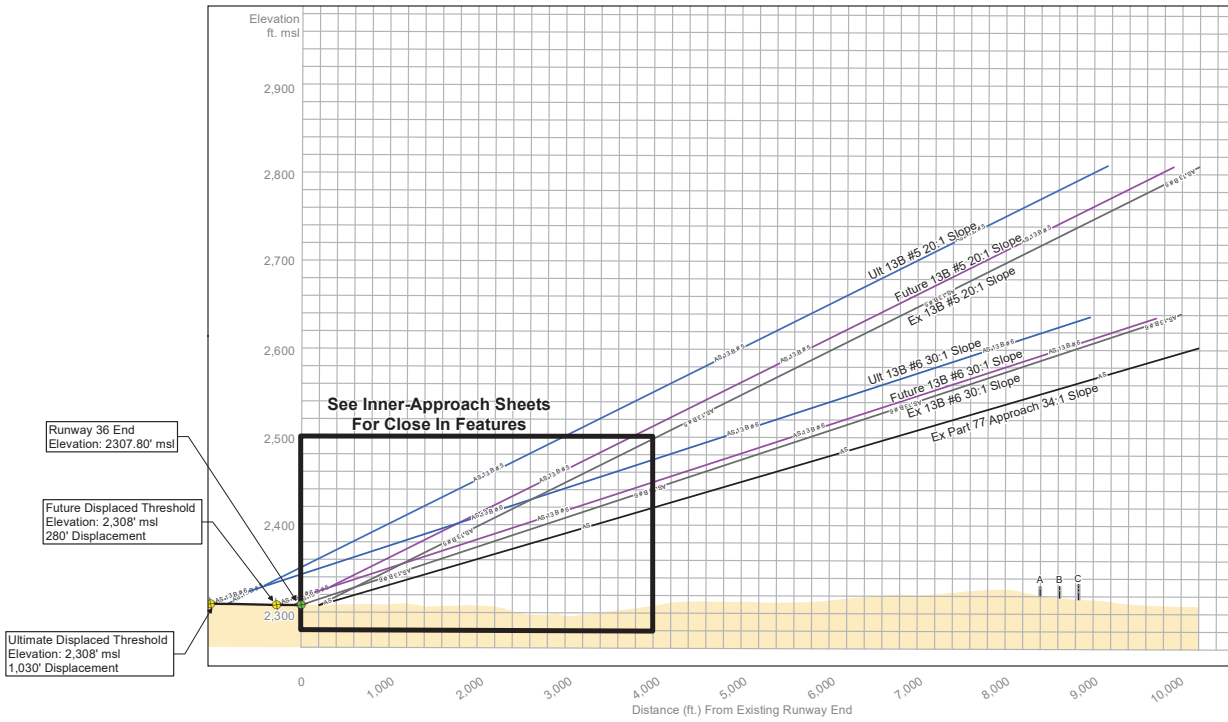


Runway 18/19 Outer Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions									

Runway 18/19 Transportation Intersection Points					
ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	735th Rd	2,306.28	15.00	2,321.28	162.47
B	735th Rd	2,304.21	15.00	2,319.21	169.03
C	735th Rd	2,306.15	15.00	2,321.15	171.87

Legend	
	Existing Runway End
	Future Runway End
	Future Displaced Threshold
	Ultimate Runway End
	Ultimate Displaced Threshold
	Existing Runway Profile
	Future Runway Profile
	Ultimate Runway Profile
	Existing Part 77 Approach
	Future Part 77 Approach
	Ultimate Part 77 Approach
	Existing Surface 5
	Existing Surface 6
	Future Surface 5
	Future Surface 6
	Ultimate Surface 5
	Ultimate Surface 6
	Profile View Road Marking
	Runway 5' Line of Sight
	Terrain Cut
	Terrain Fill
	Terrain Profile

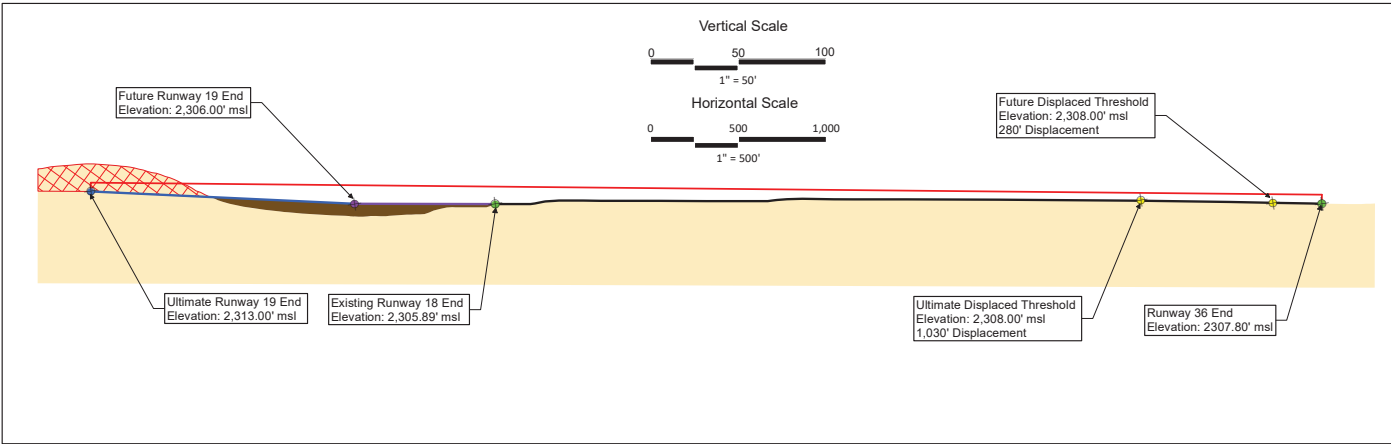
Runway 36
Outer- Approach Profile



Runway 36/1 Outer Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions									

Runway 36/1 Transportation Intersection Points					
ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Top Elevation (ft. msl.)	Clearance (ft.)
A	Rd 731	2,313.99	15.00	2,328.99	217.01
B	Rd 731	2,313.93	15.00	2,328.93	223.93
C	Rd 731	2,316.33	15.00	2,331.33	227.71

Runway 18/36 - 1/19 Profile



No.	REVISIONS	DATE	BY	APP'D

Brewster Field Airport
Approach Profile Drawing -
Runway 18-36

Holdrege, Nebraska

PLANNED BY: Ksenia Kerentseva
DETAILED BY: Ethan Blackburn
APPROVED BY: Tim Kahmann

July 2023

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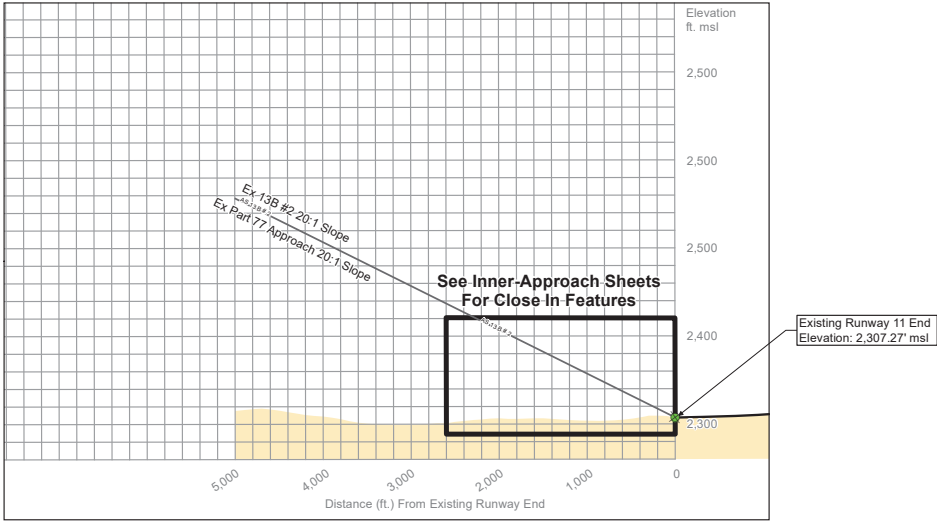
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SHEET **6** OF **15**

General Notes:
1. Survey Data from Martinez Geospatial - 08/21/2022
2. Profile terrain represents highest elevation across width of Part 77 Approach Surface/Runway Safety Area.

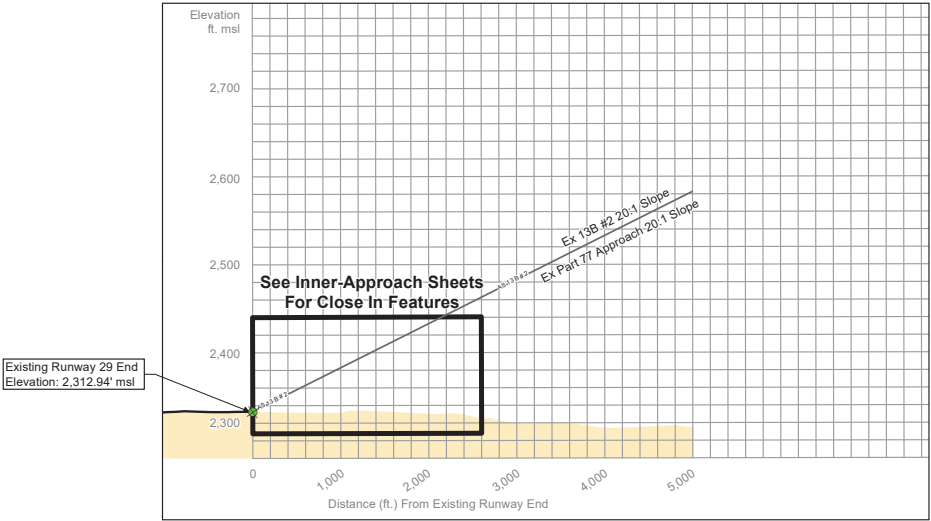
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Runway 11
Approach Profile



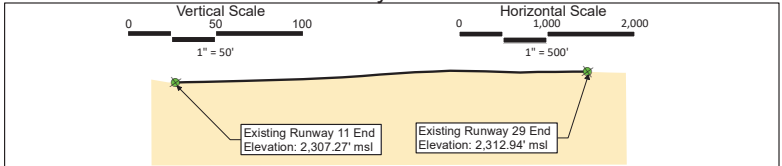
Runway 11 Outer Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions/Significant Objects									

Runway 29
Approach Profile

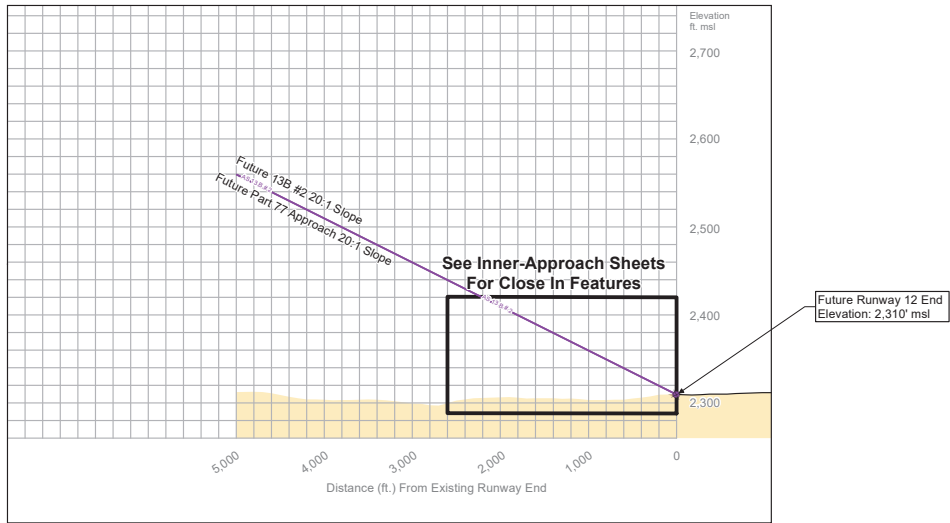


Runway 29 Outer Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions/Significant Objects									

Runway 11/29
Runway Profile

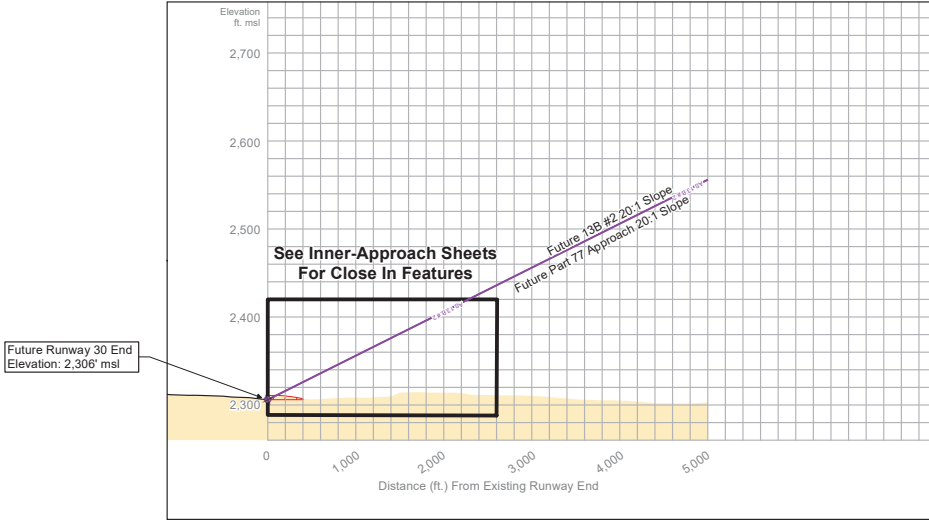


Future Runway 12
Approach Profile



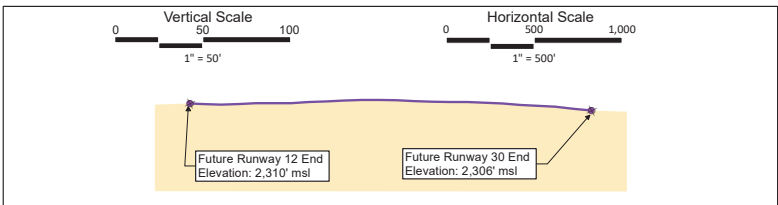
Runway 12 Outer Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions/Significant Objects									

Future Runway 30
Approach Profile



Runway 30 Outer Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions/Significant Objects									

Future Runway 12/30
Runway Profile



General Notes:

1. Survey Data from Martinez Geospatial - 08/21/2022
2. Profile terrain represents highest elevation across width of Part 77 Approach Surface/Runway Safety Area.

No.	REVISIONS	DATE	BY	APP'D

Brewster Field Airport

Approach Profile Drawing -
Runway 11-29 & 12-30

Holdrege, Nebraska

PLANNED BY: Ksenia Kerentseva

DETAILED BY: Ethan Blackburn

APPROVED BY: Tim Kahmann

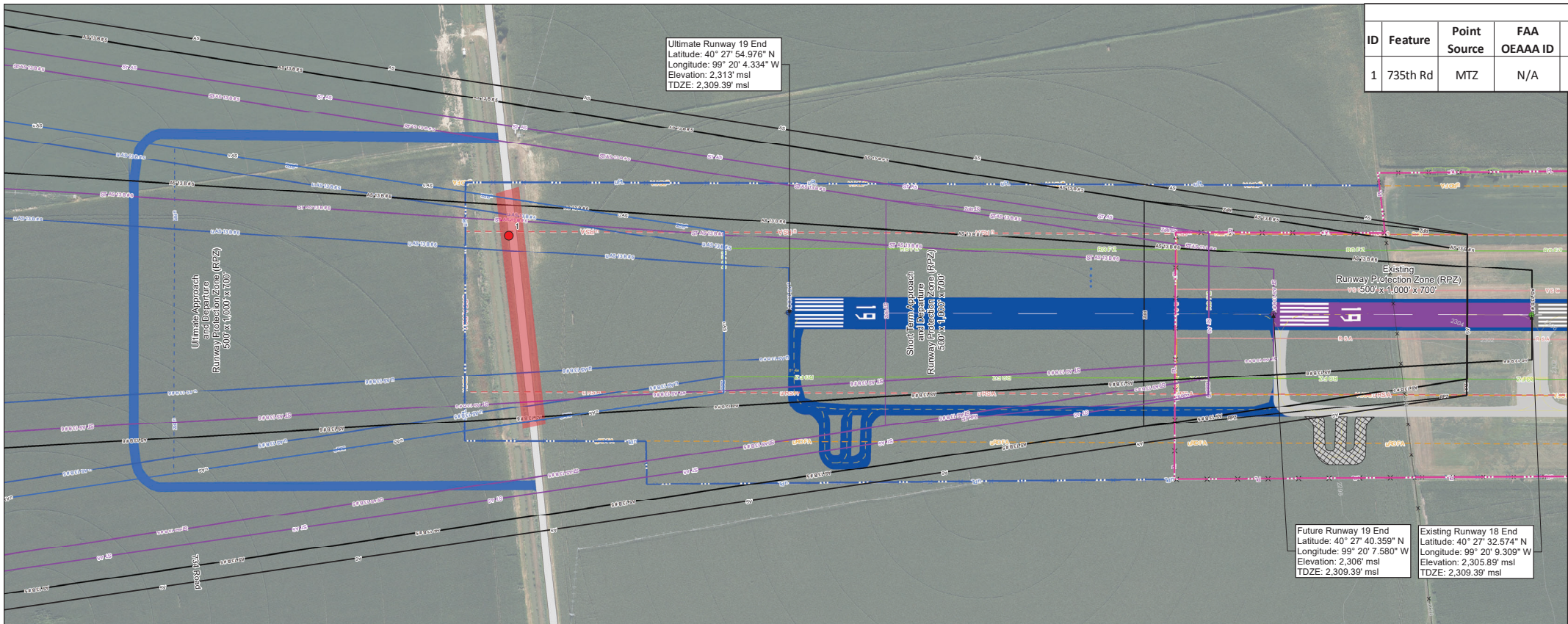
July 2023

SHEET 7 OF 15

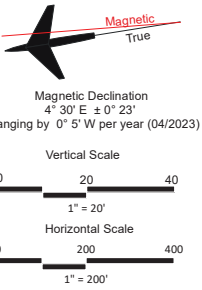
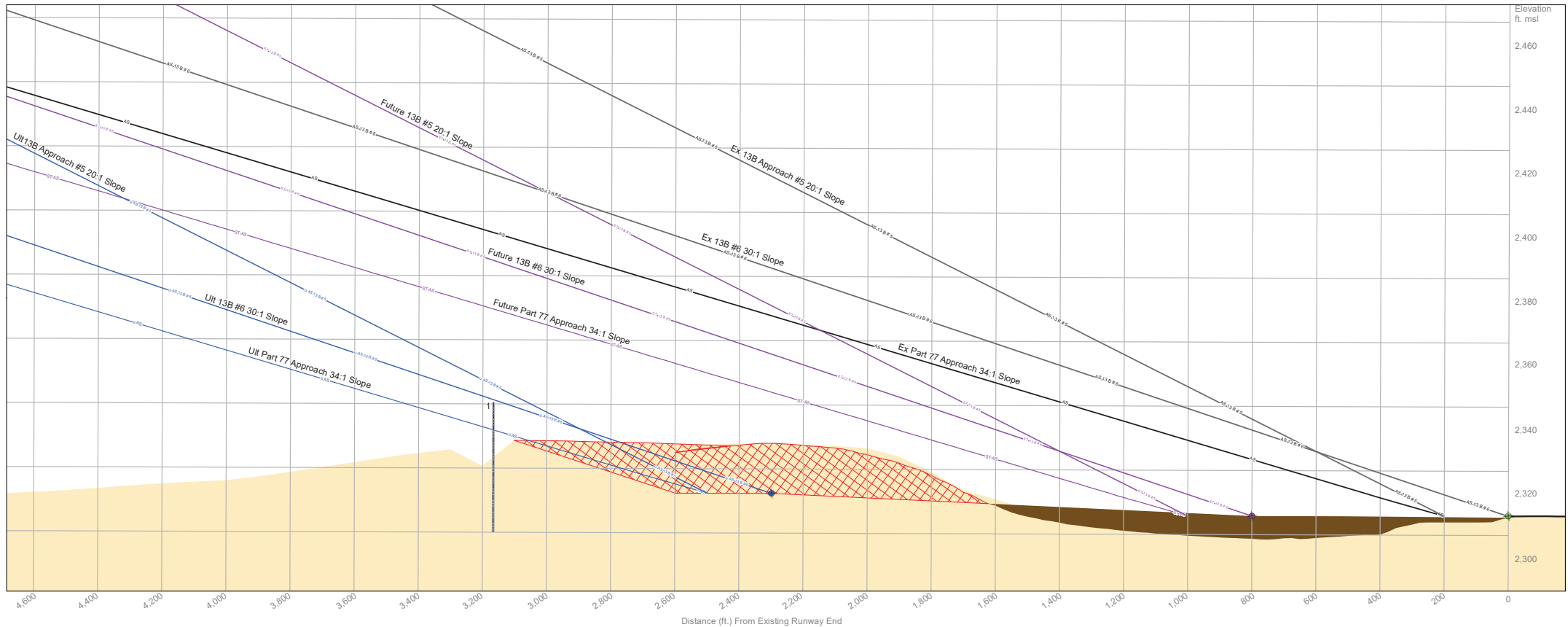
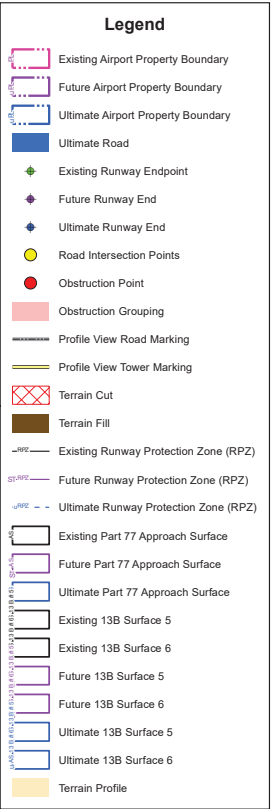
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Coffman Associates Airport Consultants

THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A PLANNING GRANT FROM THE FEDERAL AVIATION ADMINISTRATION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982, AS AMENDED. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT OF THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH THE APPROPRIATE PUBLIC LAWS.



Runway 18/19 Inner Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
1	735th Rd	MTZ	N/A	2,326.92	15.00	2,341.92	Ultimate 19 Part 77 Approach (34:1 Slope)	9.32	Road to be re-routed in Ultimate Condition



General Notes:

- Survey Data from Martinez Geospatial - 08/21/2022
- Profile terrain represents highest elevation across width of Part 77 Approach Surface/Runway Safety Area.
- Obstructions within groupings represent tallest natural and/or man-made and/or terrain feature.
- Terrain grading to be done prior to ultimate construction, removing ultimate obstruction.

No.	REVISIONS	DATE	BY	APP'D

Brewster Field Airport
Inner Portion of the Approach Surface Drawing - Runway 18
Holdrege, Nebraska

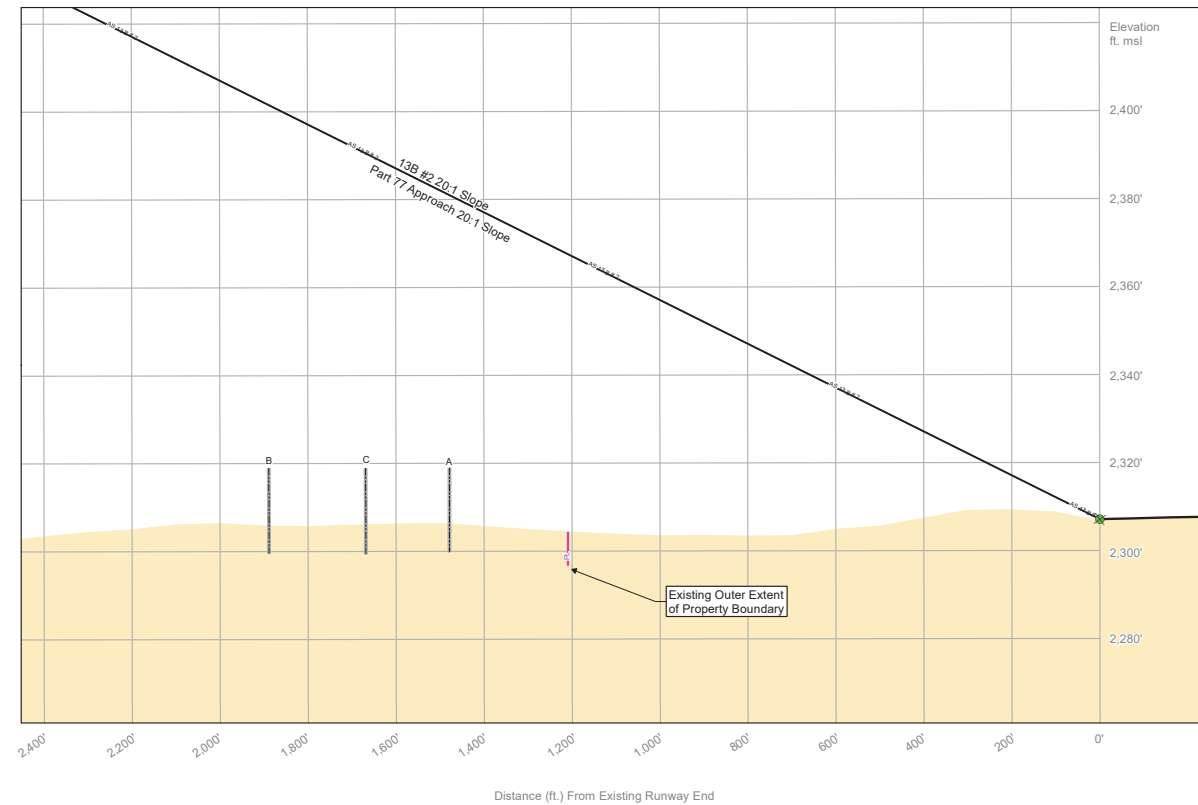
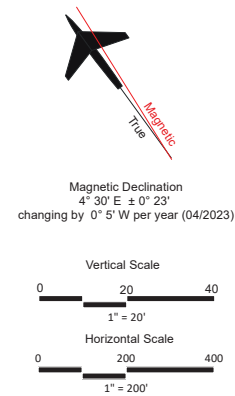
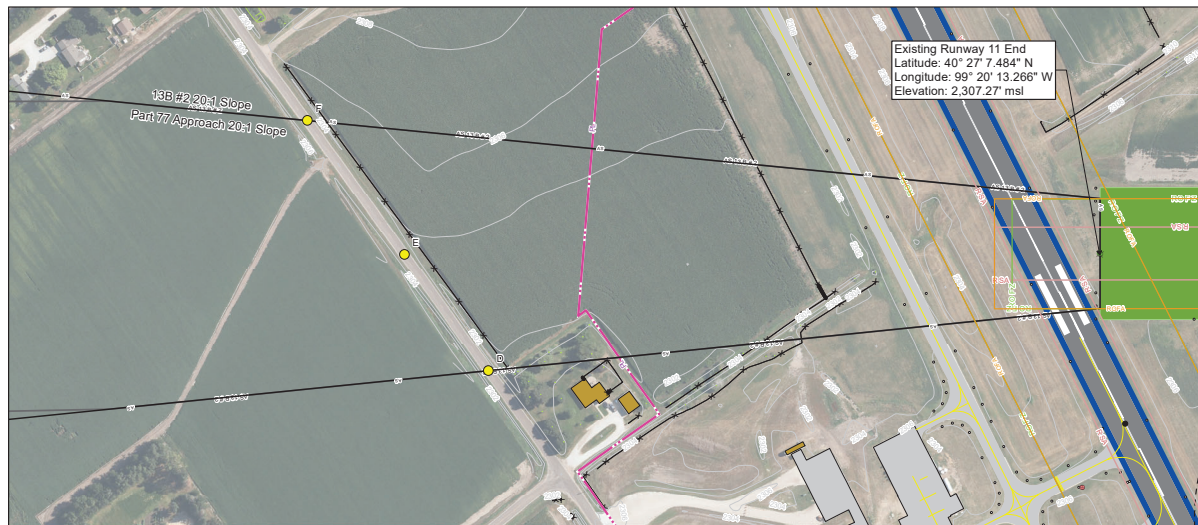
DRAFT

PLANNED BY: Ksenia Kerentseva
DETAILED BY: Ethan Blackburn
APPROVED BY: Tim Kahmann

July 2023

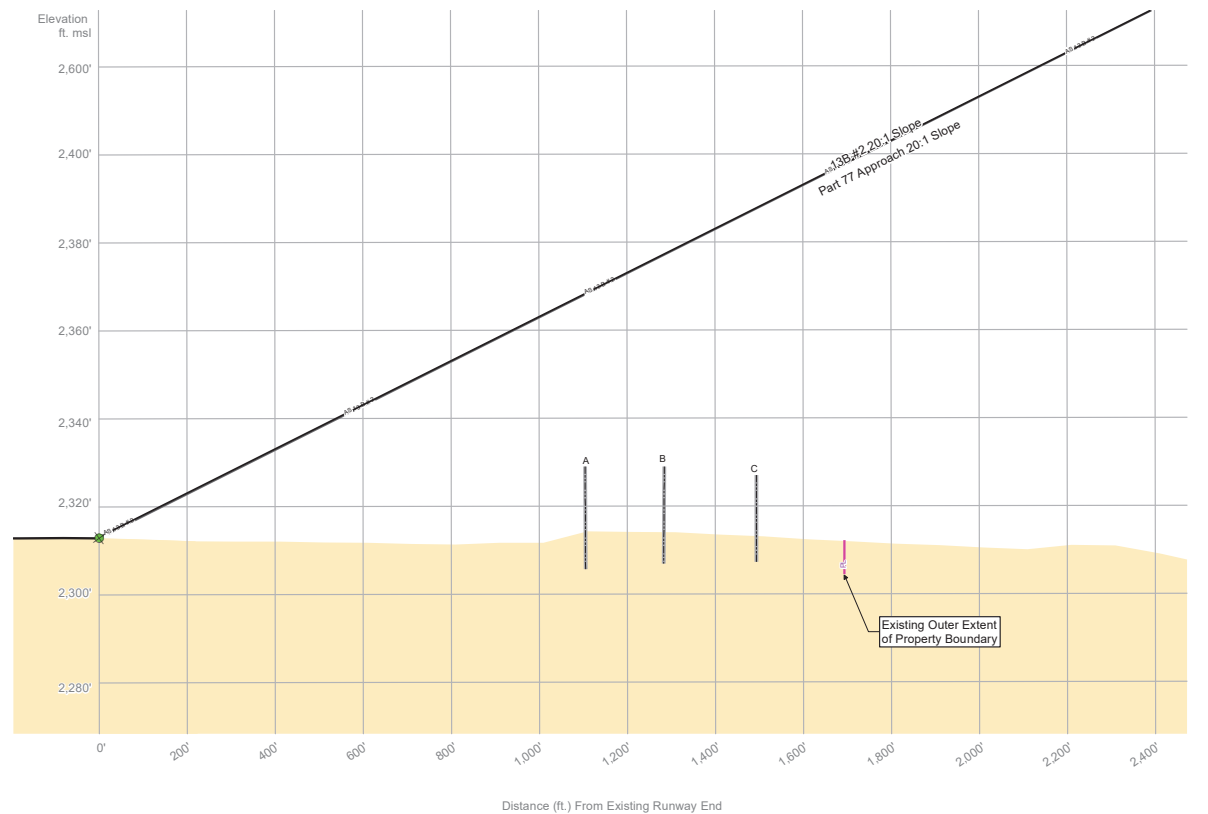
SHEET 8 OF 15

Coffman Associates
Airport Consultants



Runway 11 Inner Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions									

Runway 11 Transportation Intersection Points					
ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Top Elevation (ft. msl)	Clearance (ft.)
A	Brewster Rd	2,304.00	15.00	2,319.00	57.79
B	Brewster Rd	2,304.00	15.00	2,319.00	78.31
C	Brewster Rd	2,304.00	15.00	2,319.00	67.31

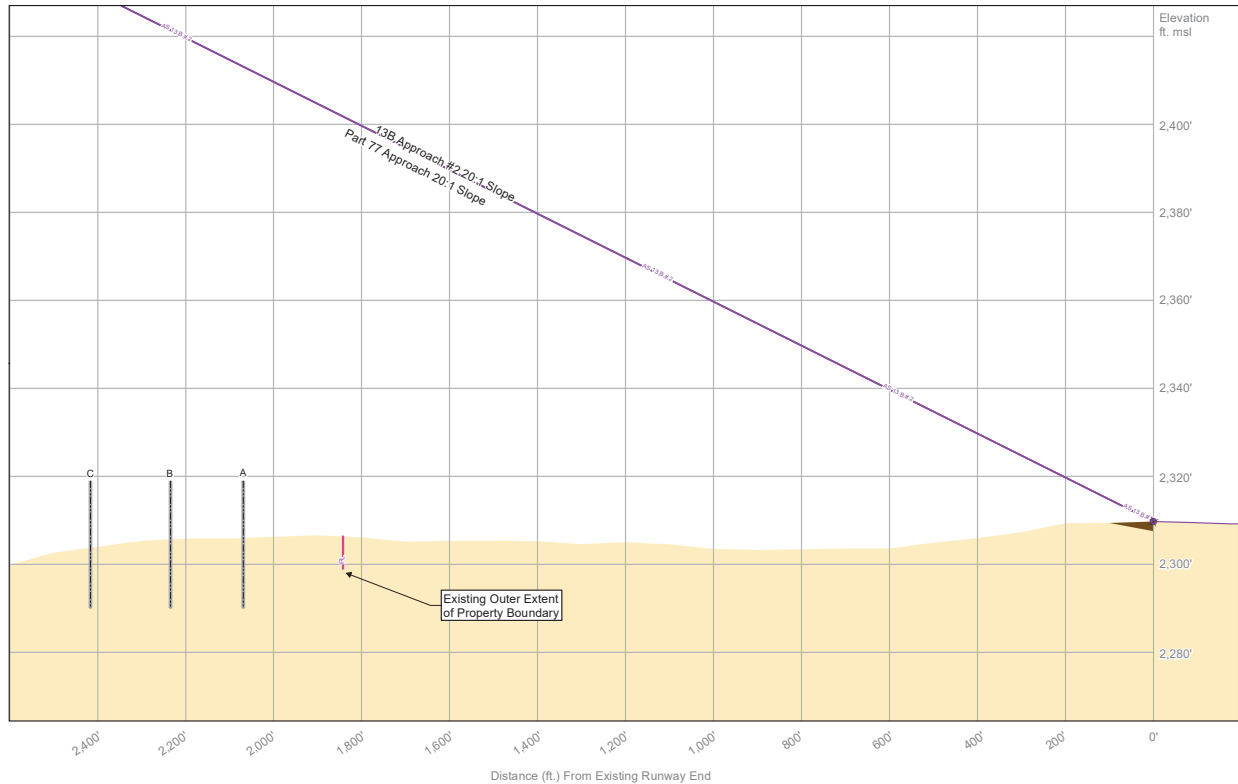
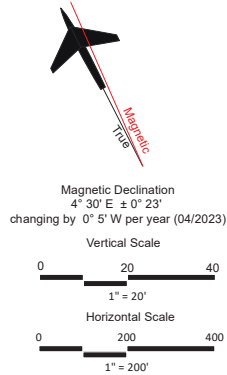


Runway 29 Inner Approach Obstructions									
ID	Feature	Point Source	FAA OEAID ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions									

Runway 29 Transportation Intersection Points					
ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Top Elevation (ft. msl)	Clearance (ft.)
A	Hwy 6	2,314.00	15.00	2,329.00	39.19
B	Hwy 6	2,314.00	15.00	2,329.00	48.19
C	Hwy 6	2,312.00	15.00	2,327.00	60.67

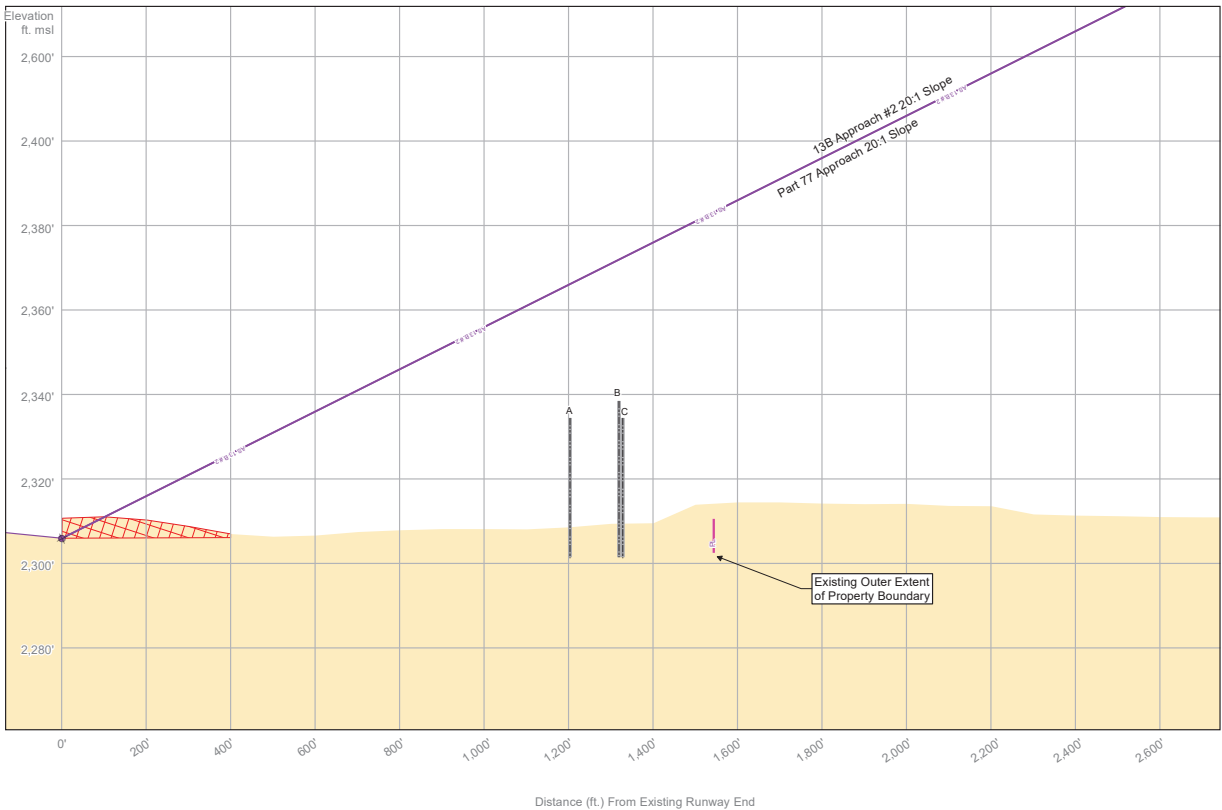
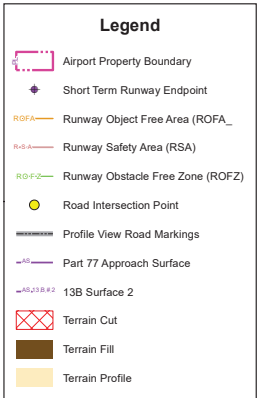
No.	REVISIONS	DATE	BY	APPROVED
THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A PLANNING GRANT FROM THE FEDERAL AERONAUTICS ADMINISTRATION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982 AS AMENDED. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT OF THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH THE APPROPRIATE PUBLIC LAWS.				

Brewster Field Airport	
Inner Portion of the Approach	
Surface Drawing - Runway 11-29	
Holdrege, Nebraska	
DRAFT	
PLANNED BY: Ksenia Kerentseva	
DETAILED BY: Ethan Blackburn	
APPROVED BY: Tim Kahmann	
July 2023	SHEET 10 OF 15



Runway 12 Inner Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions									

Runway 12 Transportation Intersection Points				
ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Clearance (ft.)
A	Brewster Rd	2,304.00	15.00	2,319.00
B	Brewster Rd	2,304.00	15.00	2,319.00
C	Brewster Rd	2,304.00	15.00	2,319.00



Runway 30 Inner Approach Obstructions									
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
No Obstructions									

Runway 30 Transportation Intersection Points				
ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Clearance (ft.)
A	Hwy Q	2,308.00	15.00	2,323.00
B	Hwy 6	2,312.00	15.00	2,327.00
C	Hwy Q	2,308.00	15.00	2,323.00

No.	REVISIONS	DATE	BY	APPD

Brewster Field Airport

Inner Portion of the Approach Surface Drawing - Runway 12-30

Holdrege, Nebraska

PLANNED BY: Ksenia Kerentseva

DETAILED BY: Ethan Blackburn

APPROVED BY: Tim Kahmann

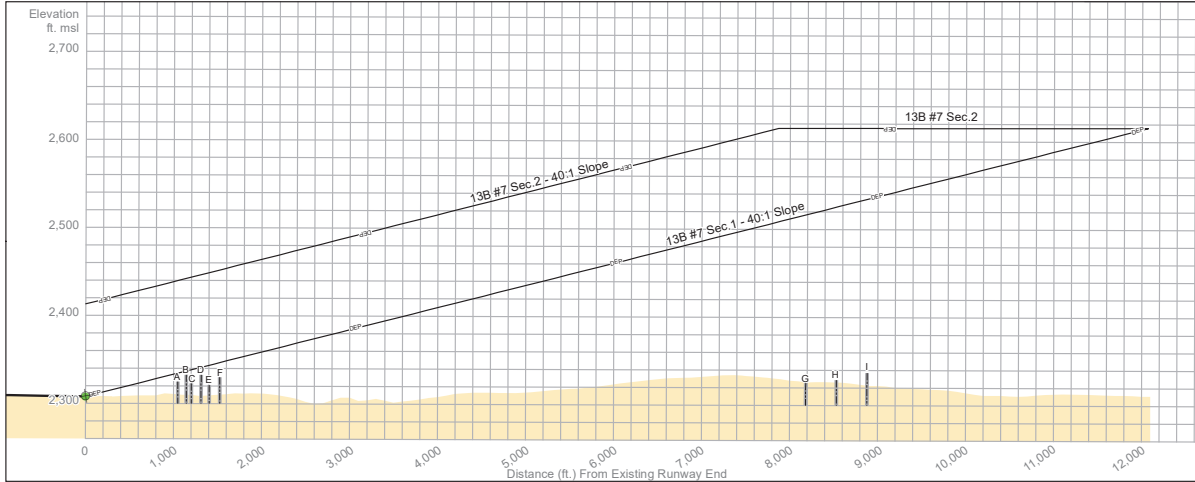
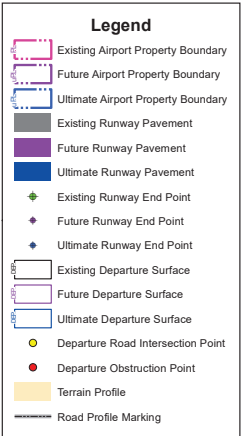
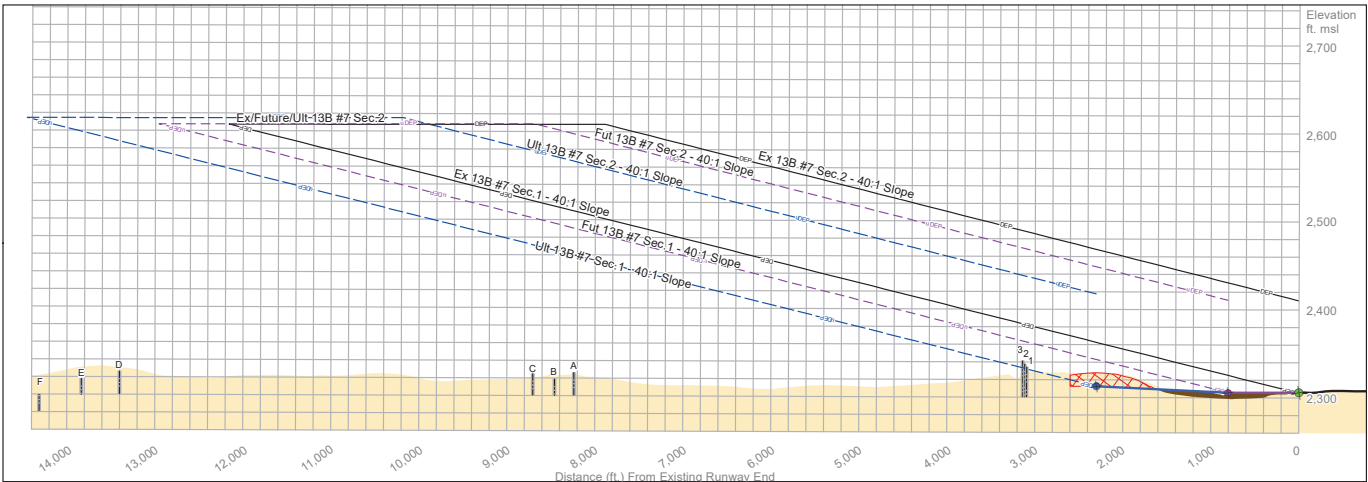
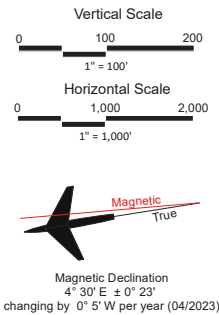
July 2023

SHEET 11 OF 15

Coffman Associates

Airport Consultants

General Notes:
1. Survey Data from Martinez Geospatial - 08/21/2022
2. Profile terrain represents highest elevation across width of Part 77 Approach Surface/Runway Safety Area.



Runway 18/19 End Obstruction Table							
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Penetration Value (ft.) - Ultimate Condition Departure Surface Section 1
1	734th Rd	MTZ	N/A	2,319.70	15.00	2,334.70	1.88
2	735th Rd	MTZ	N/A	2,323.08	15.00	2,338.08	4.74
3	735th Rd	MTZ	N/A	2,326.70	15.00	2,341.70	7.77
							Road to be re-routed in Ultimate Condition

Runway 18/19 End Departure Transportation Intersection Points				
ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Clearance (ft.) From Existing Departure Surface
A	734th Rd.	2,311.69	15.00	134.74
B	734th Rd.	2,304.21	15.00	147.75
C	734th Rd.	2,310.15	15.00	147.92
D	734th Rd.	2,311.54	15.00	264
E	734th Rd.	2,303.20	15.00	283.14
F	734th Rd.	2,283.02	15.00	315.3

Runway 36/1 End Obstruction Table							
ID	Feature	Point Source	FAA OEAAA ID	Ground Elevation (ft. msl.)	AGL (ft.)	Top Elevation (ft. msl.)	Penetration Value (ft.)
No Obstructions							
Remediation							

Runway 36/1 End Departure Transportation Intersection Points				
ID	Feature	Ground Elevation (ft. msl.)	Adjustment (ft.)	Clearance (ft.)
A	Hwy 34	2,310.00	15.00	9.02
B	Burlington Northern Railroad	2,308.82	24.00	3.60
C	Hwy 34	2,308.00	15.00	14.89
D	Burlington Northern Railroad	2,308.83	24.00	7.81
E	Hwy 34	2,306.00	15.00	21.93
F	Burlington Northern Railroad	2,306.04	24.00	15.90
G	Rd 731	2,310.49	15.00	186.92
H	Rd 731	2,313.93	15.00	192.17
I	Rd 731	2,322.28	15.00	192.55

REVISIONS				
No.	REVISIONS	DATE	BY	APP'D

Brewster Field Airport

Departure Surface Drawing - Runway 18-36

Holdrege, Nebraska

DRAFT

PLANNED BY: Ksenia Kerentseva

DETAILED BY: Ethan Blackburn

APPROVED BY: Tim Kahmann

July 2023

SHEET **12** OF **15**

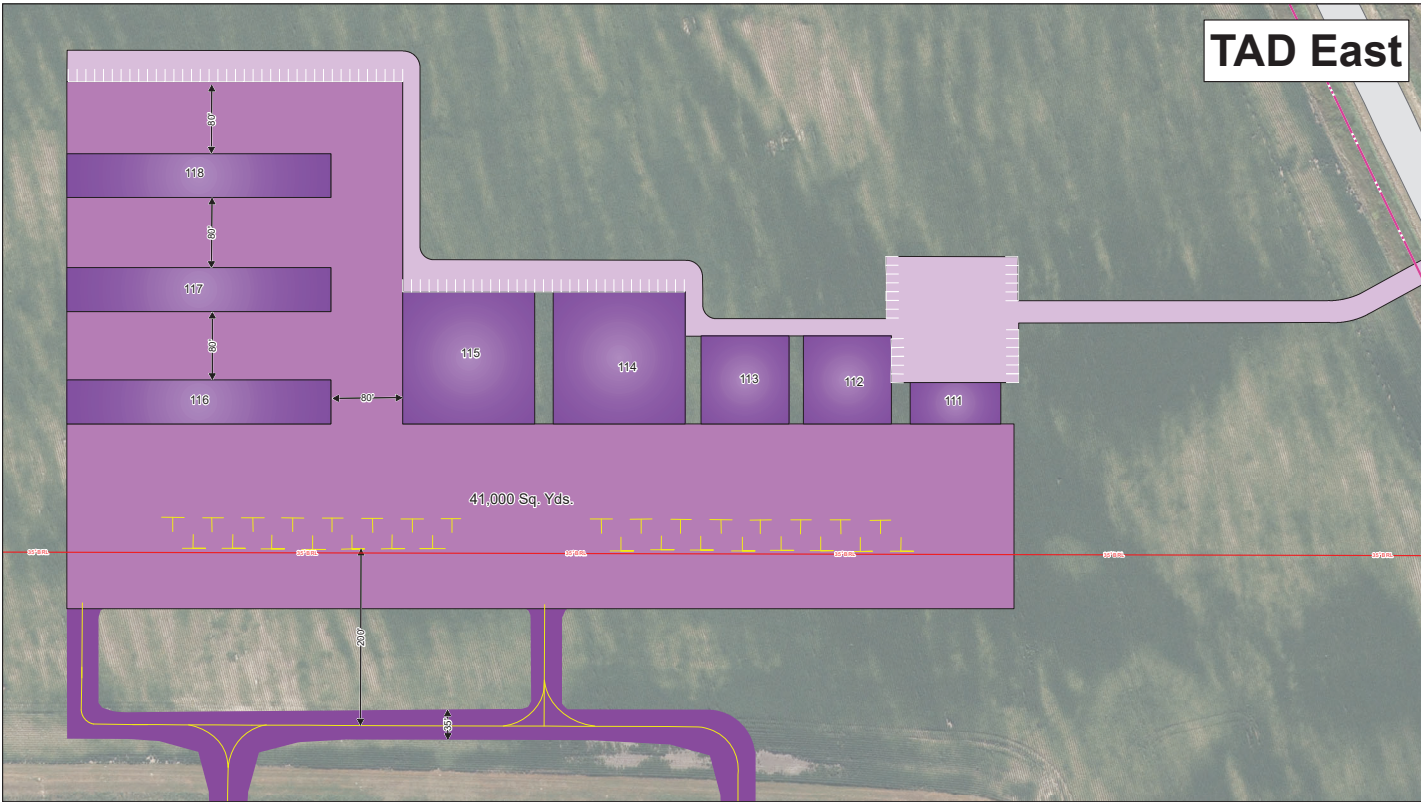
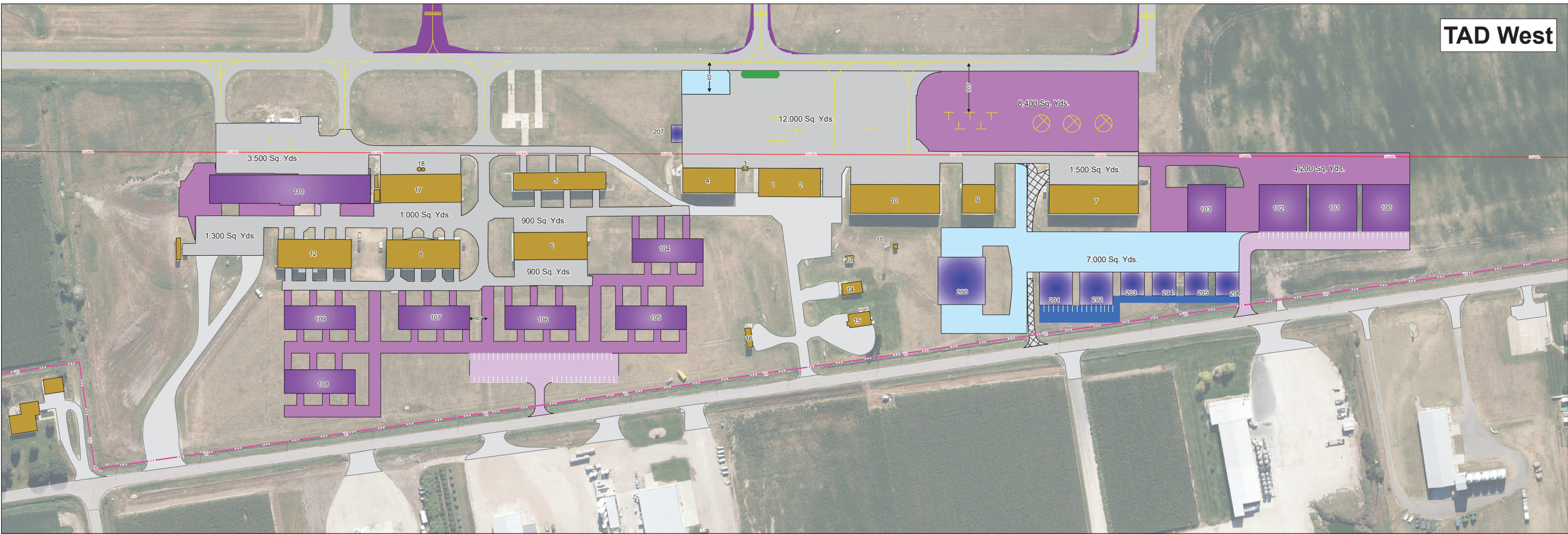
Coffman Associates

Airport Consultants

General Notes:

- Survey Data from Martinez Geospatial - 08/21/2022
- Profile terrain represents highest elevation across width of Part Departure Surface/Runway Safety Area.
- Terrain grading to be done prior to ultimate construction, removing ultimate obstruction.
- For clarity, only ultimate condition departure surface shown for runway 1 end (the ultimate condition being more restrictive than the existing condition).
- For clarity, only ultimate condition 50' elevation contours are shown.

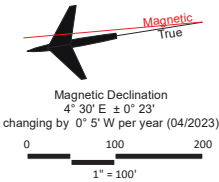
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Existing Structures		
ID	Structure	Top Elevation (ft. msl.)*
1	Terminal Building	2,332.50
2	Holdrege Aviation (Maintenance)	2,332.30
3	Self-Serve Fuel Pump (100LL)	2,311.33
4	Executive Hangar	2,332.30
5	6-Unit T-Hangar	2,323.10
6	6-Unit T-Hangar	2,325.50
7	Conventional Hangar	2,330.90
8	6-Unit T-Hangar	2,326.80
9	Executive Hangar	2,333.00
10	Conventional Hangar	2,331.70
11	Rotating Beacon	2,360.69
12	6-Unit T-Hangar	2,324.00
13	Electrical Vault	2,316.40
14	Midwest Ag Insurance	2,318.40
15	Nebraskaland Aviation Office	2,325.00
16	Office	2,320.90
17	Wells Flying Service	2,323.20
18	Tanks	2,317.30
*Top Elevation Estimated		

Future Structures		
ID	Structure	Top Elevation (ft. msl.)*
100	Executive Hangars	2,330.00
101	Executive Hangar	2,330.00
102	Executive Hangar	2,330.00
103	Executive Hangar	2,330.00
104	6-Unit T-Hangars	2,331.00
105	6-Unit T-Hangars	2,331.00
106	6-Unit T-Hangars	2,331.00
107	6-Unit T-Hangars	2,331.00
108	6-Unit T-Hangars	2,331.00
109	6-Unit T-Hangars	2,331.00
110	Nebraskaland Aviation Hangar	2,331.00
111	Terminal Building	2,333.00
112	Executive Hangar	2,338.00
113	Executive Hangar	2,338.00
114	Conventional Hangar	2,343.00
115	Conventional Hangar	2,343.00
116	10-Unit T-Hangars	2,332.00
117	10-Unit T-Hangars	2,332.00
118	10-Unit T-Hangars	2,332.00
*Top Elevation Estimated		

Ultimate Structures		
ID	Structure	Top Elevation (ft. msl.)*
200	Executive Hangar	2,332.00
201	Executive Hangar	2,328.00
202	Executive Hangar	2,328.00
203	Executive Hangar	2,325.00
204	Executive Hangar	2,325.00
205	Executive Hangar	2,325.00
206	Executive Hangar	2,325.00
207	Self-Service 100LL/Jet-A	2,317.00
*Top Elevation Estimated		



Legend	
	Airport Property Boundary
	Existing Road/Parking
	Future Road/Parking
	Ultimate Road/Parking
	Existing Building
	Future Building
	Ultimate Building
	No-Taxi Island
	Existing Apron
	Future Apron
	Ultimate Apron
	Existing Taxiway
	Future Taxiway
	Pavement To Be Removed

General Notes:
1. Survey Data from Martinez Geospatial - 08/21/2022
2. Apron square yardages approximated.

No.	REVISIONS	DATE	BY	APP'D

Brewster Field Airport

Terminal Area Drawing

Holdrege, Nebraska

DRAFT

PLANNED BY: Ksenia Kerentseva

DETAILED BY: Ethan Blackburn

APPROVED BY: Tim Kahmann

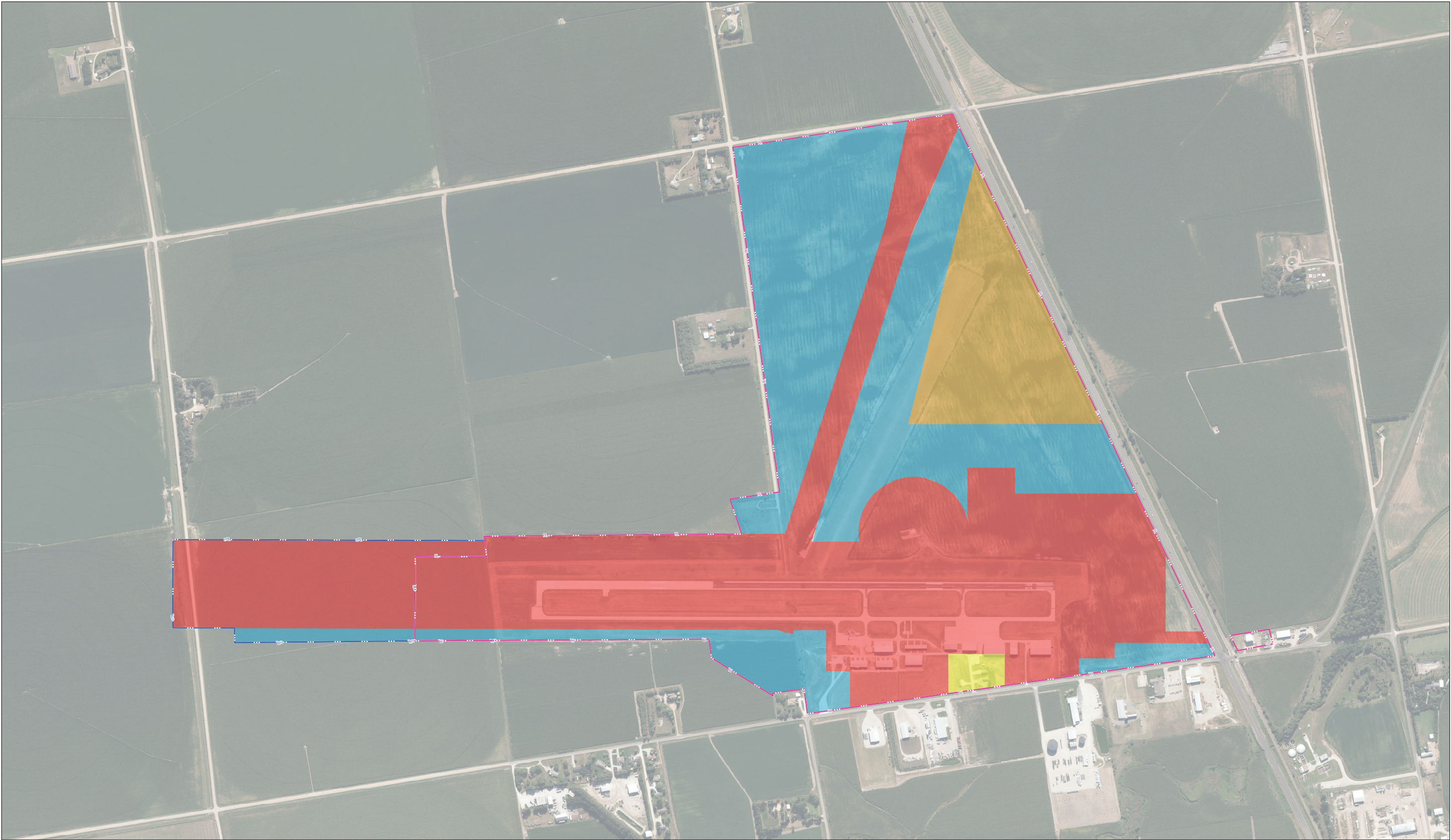
July 2023

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SHEET 13 OF 15

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General Notes:
1. Survey Data from Martinez Geospatial - 08/21/2022.
2. No noise contours were created as part of this project.
3. The Phelps County Planning & Zoning Administrator enforces an Airport Hazard Area District surrounding the airport in accordance with the Nebraska Airport Zoning Act (Nebraska Rev. Statute 3-301). Height restrictions and the Airport Zoning Map are codified in the Phelps County Zoning Resolution Book, Section 4.17: AAA Airport Hazard Area District. (Adopted 12/31/22).

Legend

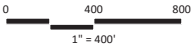
Ultimate Airport Land Use

Airfield Operations

Aeronautical Reserve

Industrial Park

Non-Aeronautical Reserve



Magnetic

True

Magnetic Declination
4° 30' E ± 0° 23'
changing by 0° 5' W per year (04/2023)

No.	REVISIONS	DATE	BY	APP'D
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Brewster Field Airport

Airport Land Use Drawing

Holdrege, Nebraska

DRAFT

PLANNED BY: Ksenia Kerentseva

DETAILED BY: Ethan Blackburn

APPROVED BY: Tim Kahmann

July 2023

SHEET 14 OF 15

Coffman Associates

Airport Consultants

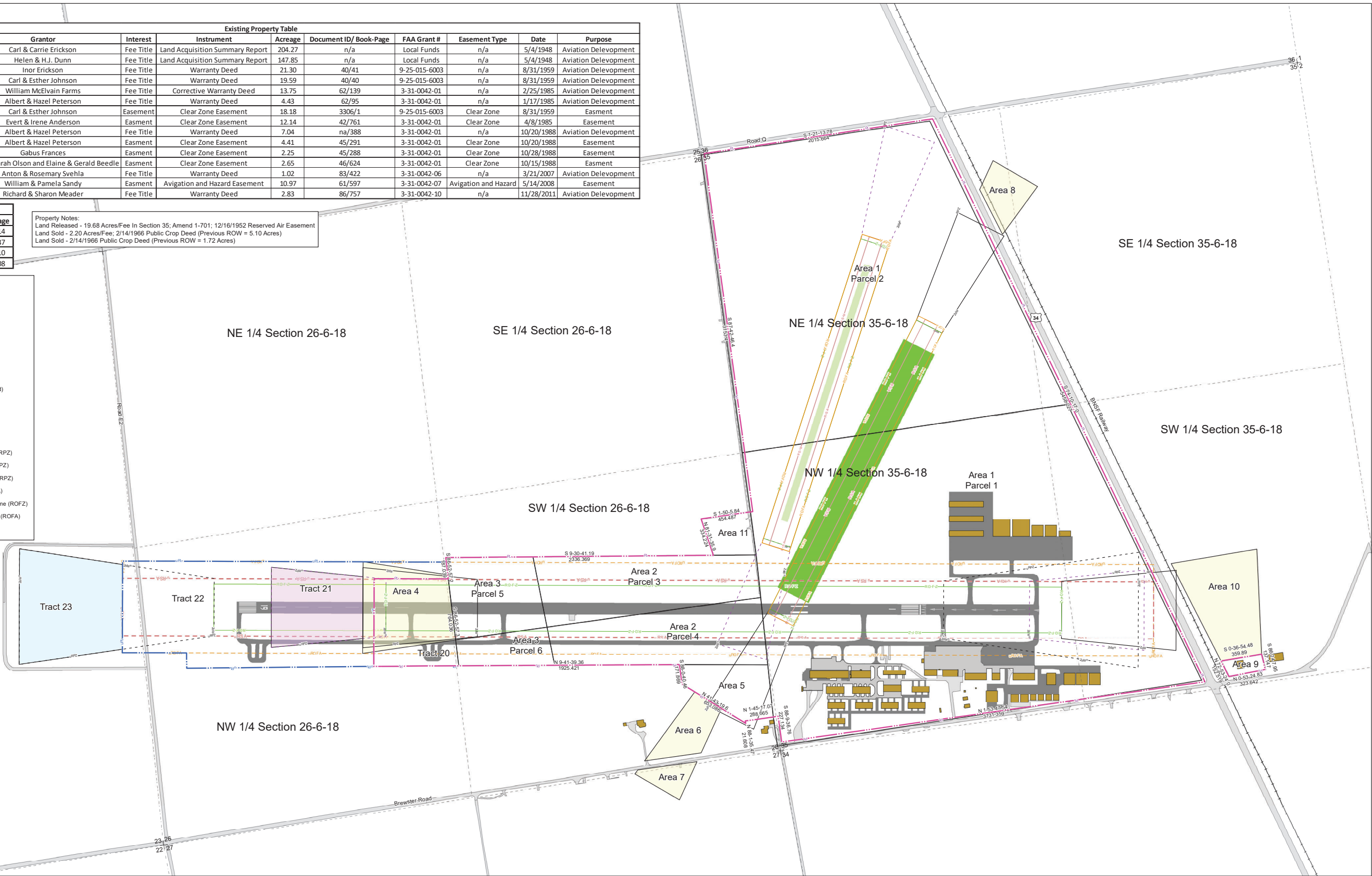
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Existing Property Table									
Tract ID	Grantor	Interest	Instrument	Acreage	Document ID/ Book-Page	FAA Grant #	Easement Type	Date	Purpose
AREA NO. 1, Parcel 1	Carl & Carrie Erickson	Fee Title	Land Acquisition Summary Report	204.27	n/a	Local Funds	n/a	5/4/1948	Aviation Delevopment
AREA NO. 1, Parcel 2	Helen & H.J. Dunn	Fee Title	Land Acquisition Summary Report	147.85	n/a	Local Funds	n/a	5/4/1948	Aviation Delevopment
AREA NO. 2, Parcel 3	Inor Erickson	Fee Title	Warranty Deed	21.30	40/41	9-25-015-6003	n/a	8/31/1959	Aviation Delevopment
AREA NO. 2, Parcel 4	Carl & Esther Johnson	Fee Title	Warranty Deed	19.59	40/40	9-25-015-6003	n/a	8/31/1959	Aviation Delevopment
AREA NO. 3, Parcel 5	William McElvain Farms	Fee Title	Corrective Warranty Deed	13.75	62/139	3-31-0042-01	n/a	2/25/1985	Aviation Delevopment
AREA NO. 3, Parcel 6	Albert & Hazel Peterson	Fee Title	Warranty Deed	4.43	62/95	3-31-0042-01	n/a	1/17/1985	Aviation Delevopment
AREA NO. 3, Parcel 5 & 6	Carl & Esther Johnson	Easement	Clear Zone Easement	18.18	3306/1	9-25-015-6003	Clear Zone	8/31/1959	Easment
AREA NO. 4	Evert & Irene Anderson	Easment	Clear Zone Easement	12.14	42/761	3-31-0042-01	Clear Zone	4/8/1985	Easment
AREA NO. 5	Albert & Hazel Peterson	Fee Title	Warranty Deed	7.04	na/388	3-31-0042-01	n/a	10/20/1988	Aviation Delevopment
AREA NO. 6	Albert & Hazel Peterson	Easment	Clear Zone Easement	4.41	45/291	3-31-0042-01	Clear Zone	10/20/1988	Easement
AREA NO. 7	Gabus Frances	Easment	Clear Zone Easement	2.25	45/288	3-31-0042-01	Clear Zone	10/28/1988	Easement
AREA NO. 8	Roger & Sarah Olson and Elaine & Gerald Beedle	Easment	Clear Zone Easement	2.65	46/624	3-31-0042-01	Clear Zone	10/15/1988	Easment
AREA NO. 9	Anton & Rosemary Svehla	Fee Title	Warranty Deed	1.02	83/422	3-31-0042-06	n/a	3/21/2007	Aviation Delevopment
AREA NO. 10	William & Pamela Sandy	Easment	Avigation and Hazard Easement	10.97	61/597	3-31-0042-07	Avigation and Hazard	5/14/2008	Easement
AREA NO. 11	Richard & Sharon Meader	Fee Title	Warranty Deed	2.83	86/757	3-31-0042-10	n/a	11/28/2011	Aviation Delevopment

Future Property Table		
Tract ID	Type	Acreage
20	Future Property	12.14
21	Future Easement	11.37
22	Ultimate Property	47.10
23	Ultimate Easement	18.08

Property Notes:
Land Released - 19.68 Acres/Fee In Section 35; Amend 1-701; 12/16/1952 Reserved Air Easement
Land Sold - 2.20 Acres/Fee; 2/14/1966 Public Crop Deed (Previous ROW = 5.10 Acres)
Land Sold - 2/14/1966 Public Crop Deed (Previous ROW = 1.72 Acres)

Legend	
	Section_Corners
	Existing Airport Property Boundary
	Existing Property Tract Boundary
	Existing Easement
	Future Property (To Be Acquired)
	Future Easement (To Be Acquired)
	Ultimate Property (To Be Acquired)
	Ultimate Easement (To Be Acquired)
	Short Term Turf Runway
	Existing Turf Runway
	Railroad
	Road Pavement
	Existing Runway Protection Zone (RPZ)
	Future Runway Protection Zone (RPZ)
	Ultimate Runway Protection Zone (RPZ)
	Ultimate Runway Safety Area (RSA)
	Ultimate Runway Obstacle Free Zone (ROFZ)
	Ultimate Runway Object Free Area (ROFA)
	Airfield Pavement



General Notes:
1. Survey Data from Martinez Geospatial - 08/21/2022
2. All features, including Short Term & Ultimate development, is shown in same symbology.
3. Existing perimeter fence, where present, is four-foot post & wire.
4. Metes & Bounds generated automatically using GIS software.

0 400 800
1" = 400'

Magnetic Declination
4° 30' E ± 0° 23'
changing by 0° 5' W per year (04/2023)

No.	REVISIONS	DATE	BY	APP'D

Brewster Field Airport

Exhibit "A" Airport Property Inventory Map

Holdrege, Nebraska

PLANNED BY: Ksenia Kerentseva

DETAILED BY: Ethan Blackburn

APPROVED BY: Tim Kahmann

July 2023

DRAFT

Coffman Associates Airport Consultants

SHEET 15 OF 15