BZN Bozeman Yellowstone INTERNATIONAL AIRPORT

2020 MASTER PLAN UPDATE

APPENDIX 1:

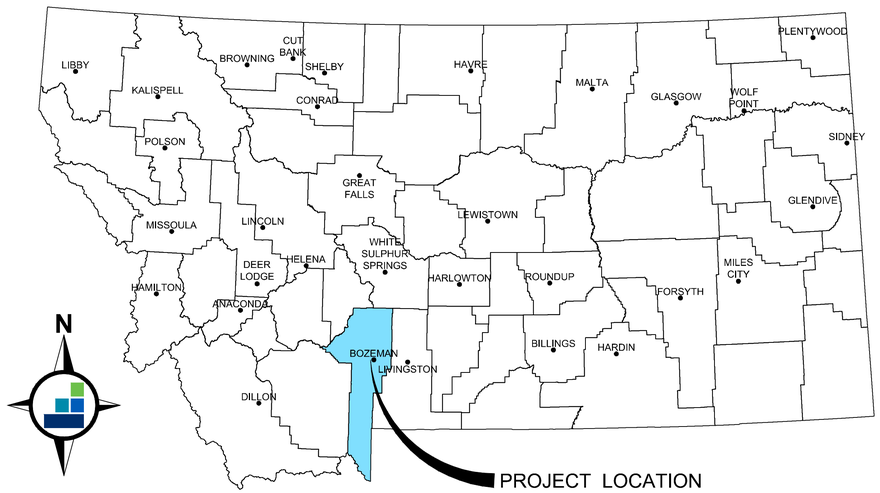
2020 AIRPORT MASTER PLAN UPDATE AIRPORT LAYOUT PLAN

Morrison Maierle

engineers • surveyors • planners • scientists

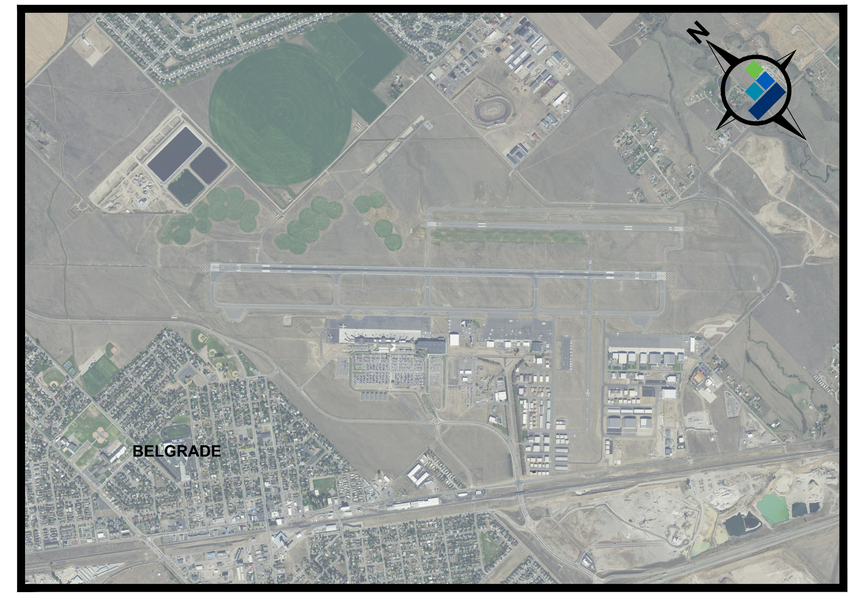
AIRPORT LAYOUT PLANS
BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT

BELGRADE, MONTANA
JANUARY, 2023



LOCATION MAP

BZN Bozeman Yellowstone INTERNATIONAL AIRPORT



VICINITY MAP

PHOTO DATE: 2021

PREPARED BY:

Morrison Maierle
engineers ▪ surveyors ▪ planners ▪ scientists

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U. S. Department Of Transportation
Federal Aviation Administration

Helena Airports District Office
2725 Skyway Drive, Suite 2
Helena, Montana 59602
Phone: (406) 449-5271
Fax: (406) 449-5274

March 16, 2023

Karen Stelmek, Chairman
Gallatin Airport Authority
850 Gallatin Field Road, Suite #6
Belgrade, MT 59714

Dear Chairman Stelmek:

The Airport Layout Plan (ALP) for Bozeman Yellowstone International Airport (BZN), Bozeman, Montana prepared by Morrison-Maierle, Inc, and bearing your signature, is conditionally approved. A signed copy of the approved ALP is enclosed.

An aeronautical study (no. 2022-ANM-3416-NRA) was conducted on the proposed development. This determination does not constitute FAA approval or disapproval of the physical development involved in the proposal. It is a determination with respect of the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.

In making this determination, the FAA has considered matters such as the effects the proposal would have on existing or planned traffic patterns of neighboring airports, the effects it would have on the existing airspace structure and projected programs of the FAA, the effects it would have on the safety of persons and property on the ground, and the effects that existing or proposed manmade objects (on file with the FAA), and known natural objects within the affected areas would have on the airport proposal.

The FAA has only limited means to prevent the construction of structures near an airport. The airport sponsor has the primary responsibility to protect the airport environs through such means as local zoning ordinance, property acquisition, aviation easements, letters of agreement, or other means.

This ALP approval is conditioned on the acknowledgement that any development on airport property that results in a change to the ALP requiring Federal approval, or that will receive federal funding, is subject to the National Environmental Policy Act of 1969 (NEPA). Therefore, the sponsor must receive such written approval from FAA prior to commencement of the subject development. Prior to any development on the airport, coordination with the ADO is required to ensure that all environmental requirements are met. Early coordination is critical to ensure that project schedules as well as NEPA compliance can be met. This ALP approval is also conditioned on acceptance of the plan under local land use laws. We encourage appropriate agencies to adopt land use and height restrictive zoning based on the plan.

Approval of the plan does not indicate that the United States will participate in the cost of any development proposed. AIP funding requires evidence of eligibility and justification at the time a funding request is ripe for consideration. When construction of any proposed structure or development indicated on the plan is undertaken, such construction requires normal 45-day advance notification to FAA for review in accordance with applicable Federal Aviation Regulations (i.e., Parts 77, 157, 152, etc.). More notice is generally beneficial to ensure that all statutory, regulatory, technical and operational issues can be addressed in a timely manner.

We are enclosing one copy of the approved ALP drawing set for your records. Please attach this letter to the Airport Layout Plan and retain it at the airport. If you have any questions, please contact Scott Eaton in our office at 406-449-5408.

Sincerely,

Scott Eaton, Airport Planner
Helena Airports District Office

Enclosure

cc: WFPO
FAA Safety and Standards (Part 139)
Runway Safety Office
Tim Conway, Montana Aeronautics Division (via electronic)
Mark Maierle, Morrison-Maierle, Inc.

INDEX OF SHEETS

Sheet Number	Sheet Title
1	TITLE SHEET
2	AIRPORT LAYOUT PLAN - EXISTING
3	AIRPORT LAYOUT PLAN - FUTURE
4	AIRPORT LAYOUT PLAN - ULTIMATE
5	AIRPORT LAYOUT PLAN - TABLES
6	AIRSPACE DRAWING - PLAN VIEW
7	AIRSPACE DRAWING - PROFILE VIEWS
8	AIRSPACE DRAWING - PROFILE VIEWS
9	RUNWAY 12-30 INNER PORTION OF APPROACH SURFACE DRAWING
10	RUNWAY 3-21 INNER PORTION OF APPROACH SURFACE DRAWING
11	RUNWAY 11-29 INNER PORTION OF APPROACH SURFACE DRAWING
12	RUNWAY CENTERLINE PROFILE
13	TERMINAL AREA PLAN
14	GENERAL AVIATION AREA
15	NORTH SIDE GA LAYOUT
16	RUNWAY 12-30 DEPARTURE SURFACE DRAWING
17	RUNWAY 12 APPROACH & RUNWAY 30 ONE ENGINE INOPERATIVE (OEI)
18	RUNWAY 30 APPROACH & RUNWAY 12 ONE ENGINE INOPERATIVE (OEI)
19	LAND USE PLAN
20	AIRPORT PROPERTY MAP - EXHIBIT 'A'
21	AIRPORT PROPERTY MAP - DESCRIPTIONS

SPONSOR APPROVAL

NAME KAREN STELMEK

TITLE BOARD CHAIR

DATE 1/12/2023

SIGNATURE

FAA APPROVED
01-12-2023

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REVISIONS

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MONTANA MARK MAIERLE 18671 PE 11/11/2022 LICENSED PROFESSIONAL ENGINEER

DRAWN BY: DS
DSGN. BY: JW/JL
APPR. BY: MJM
DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

TITLE SHEET

PROJECT NUMBER 0761.000

DRAWING NUMBER 1/21

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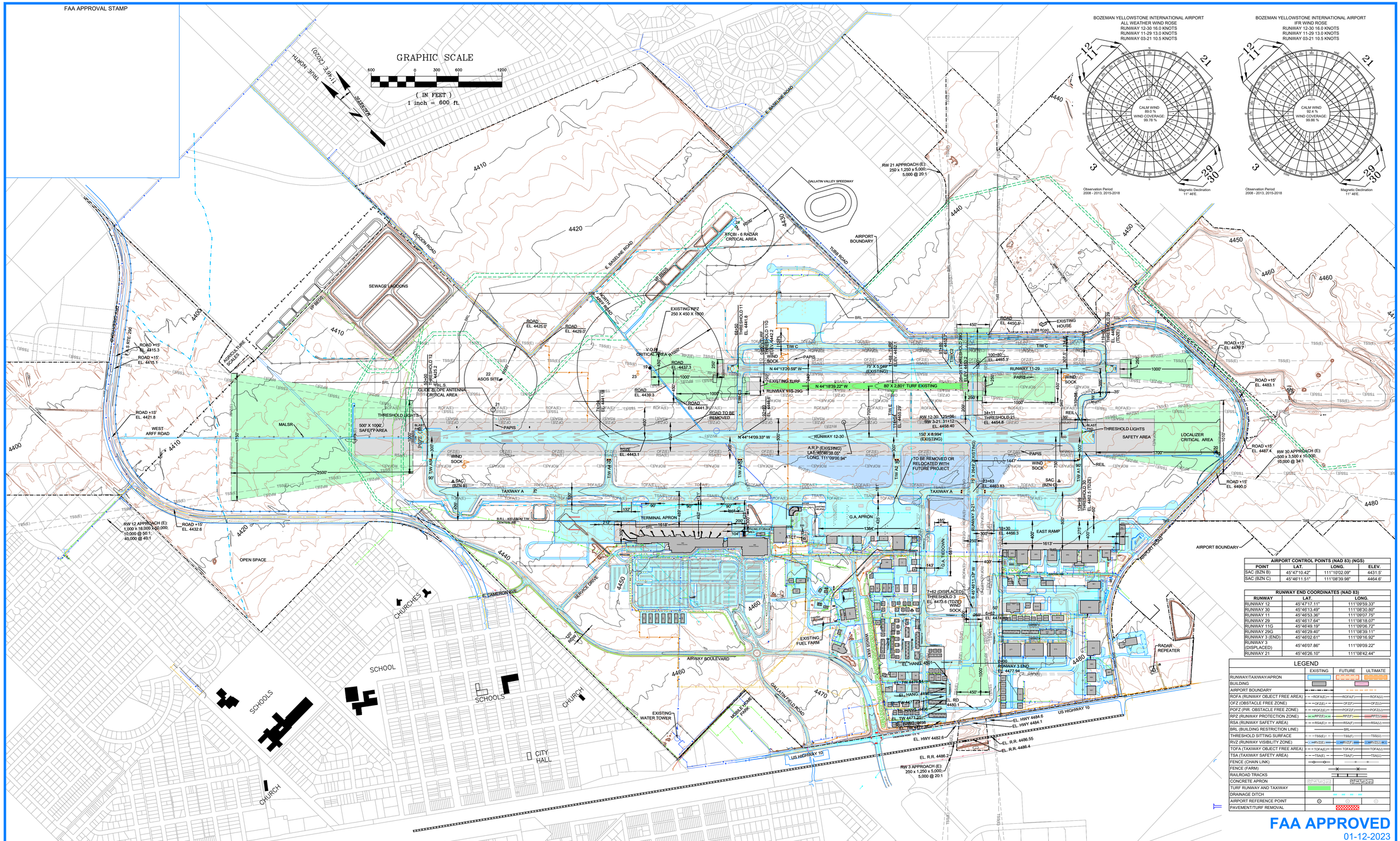

AIRPORT CONTROL POINTS (NAD 83) (NGS)			
POINT	LAT.	LONG.	ELEV.
SAC (BZN B)	45°47'10.42"	111°10'02.09"	4431.5'
SAC (BZN C)	45°46'11.51"	111°08'39.98"	4464.6'

RUNWAY END COORDINATES (NAD 83)		
RUNWAY	LAT.	LONG.
RUNWAY 12	45°47'17.11"	111°09'59.33"
RUNWAY 30	45°46'13.49"	111°08'30.80"
RUNWAY 11	45°46'53.36"	111°09'07.75"
RUNWAY 29	45°46'17.64"	111°08'18.07"
RUNWAY 11G	45°46'49.19"	111°09'06.72"
RUNWAY 29G	45°46'29.40"	111°08'39.11"
RUNWAY 3 (END)	45°46'02.61"	111°09'16.92"
RUNWAY 3 (DISPLACED)	45°46'07.86"	111°09'09.22"
RUNWAY 21	45°46'26.10"	111°08'42.44"

LEGEND	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			

FAA APPROVED
01-12-2023

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DSGN. BY: JW/JL
APPR. BY: MJM
DATE: 11/2022

Q.C. REVIEW
BY: STB
DATE: 11/2022

BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE

BELGRADE MONTANA

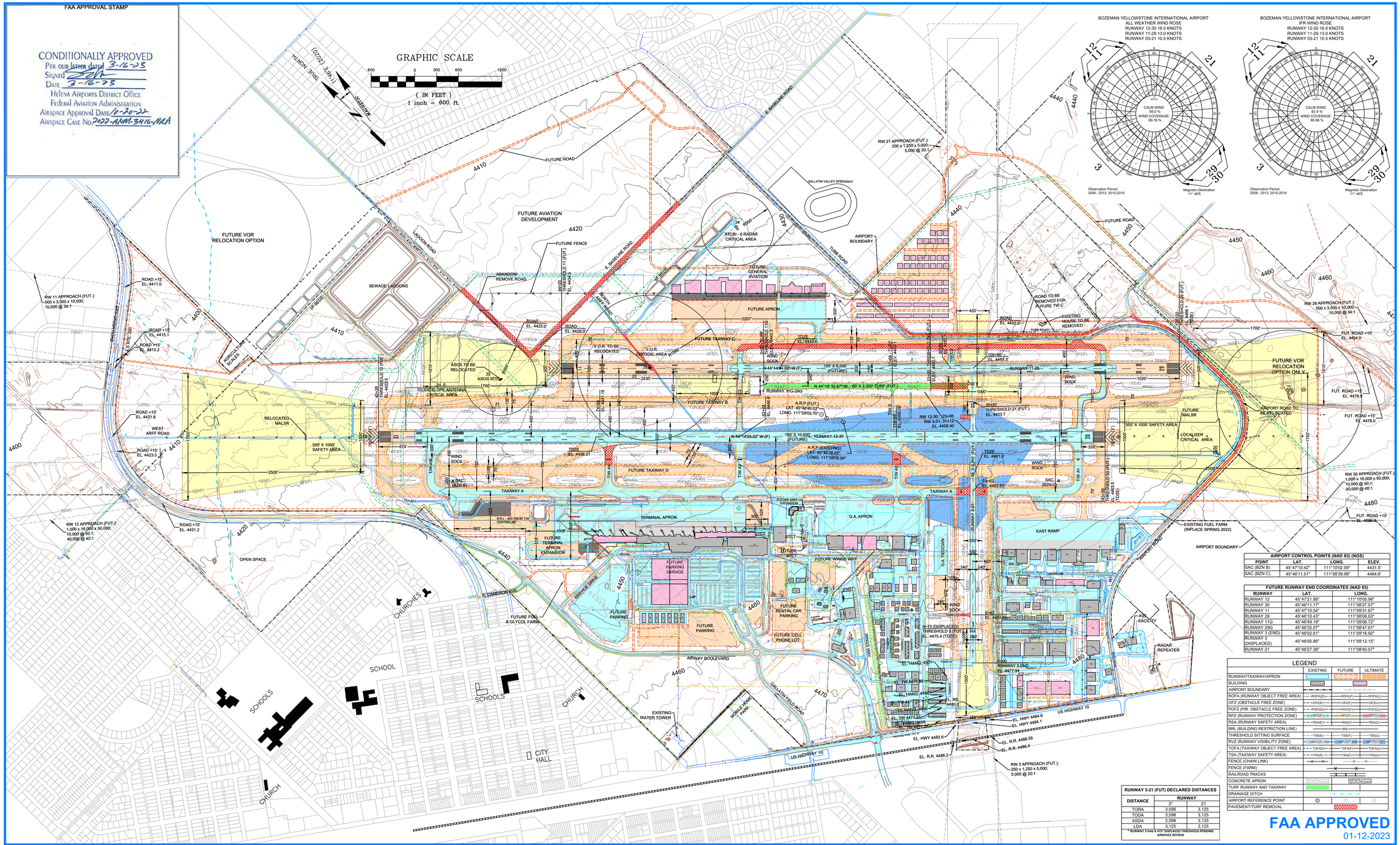
AIRPORT LAYOUT PLAN - EXISTING

PROJECT NUMBER
0761.000

DRAWING NUMBER
2/21

FAA APPROVAL STAMP

CONDITIONALLY APPROVED
PER OUR LETTER DATED 3-16-23
SIGNED
DATE 3-16-23
HELENA AIRPORTS DISTRICT OFFICE
FEDERAL AVIATION ADMINISTRATION
AIRSPACE APPROVAL DATE 10-20-22
AIRSPACE CASE NO. 2022-ANM-3416-NRA



AIRPORT CONTROL POINTS (NAD 83) (NGS)			
POINT	LAT.	LONG.	ELEV.
SAC (BZN B)	45°47'10.42"	111°10'02.09"	4431.2'
SAC (BZN C)	45°46'11.51"	111°08'39.98"	4464.6'

FUTURE RUNWAY END COORDINATES (NAD 83)		
RUNWAY	LAT.	LONG.
RUNWAY 12	45°47'21.88"	111°10'05.98"
RUNWAY 30	45°46'11.17"	111°08'27.57"
RUNWAY 11	45°47'10.54"	111°09'31.67"
RUNWAY 29	45°46'10.43"	111°09'08.03"
RUNWAY 11G	45°46'49.19"	111°09'06.72"
RUNWAY 29G	45°46'35.07"	111°08'47.01"
RUNWAY 3 (END)	45°46'02.61"	111°09'16.92"
RUNWAY 3 (DISPLACED)	45°46'05.86"	111°09'12.15"
RUNWAY 21	45°46'27.38"	111°08'40.57"

RUNWAY 3-21 (FUT) DECLARED DISTANCES		
DISTANCE	RUNWAY	
	3*	21
TORA	3,598	3,125
TODA	3,598	3,125
ASDA	3,598	3,125
LDA	3,125	3,125

* RUNWAY 3 HAS A 473' DISPLACED THRESHOLD PENDING AIRSPACE REVIEW

LEGEND

	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			

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NO.	DESCRIPTION	BY	DATE

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MARK J. MAIERLE
14671 PE
11/11/2022

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APPR. BY: MJM
DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

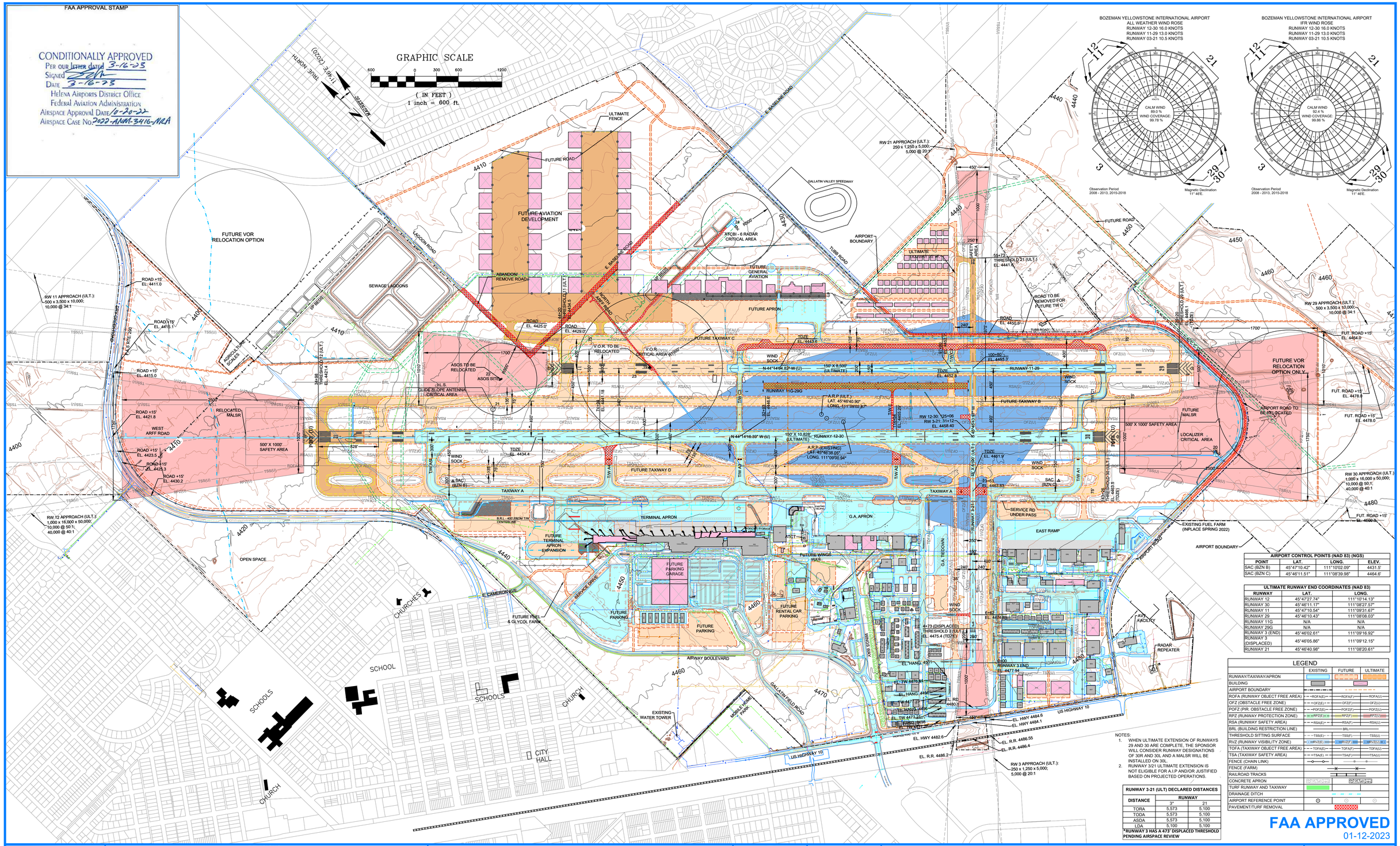
AIRPORT LAYOUT PLAN - FUTURE

PROJECT NUMBER 0761.000

DRAWING NUMBER 3/21

FAA APPROVAL STAMP

CONDITIONALLY APPROVED
PER OUR LETTER DATED 3-16-23
SIGNED
DATE 3-16-23
HELENA AIRPORTS DISTRICT OFFICE
FEDERAL AVIATION ADMINISTRATION
AIRSPACE APPROVAL DATE 10-20-22
AIRSPACE CASE NO. 2022-ANM-3416-NRA



AIRPORT CONTROL POINTS (NAD 83) (NGS)			
POINT	LAT.	LONG.	ELEV.
SAC (BZN B)	45°47'10.42"	111°10'02.09"	4431.2'
SAC (BZN C)	45°46'11.51"	111°08'39.98"	4464.6'

ULTIMATE RUNWAY END COORDINATES (NAD 83)		
RUNWAY	LAT.	LONG.
RUNWAY 12	45°47'27.74"	111°10'14.13"
RUNWAY 30	45°46'11.17"	111°08'27.57"
RUNWAY 11	45°47'10.54"	111°09'31.67"
RUNWAY 29	45°46'10.43"	111°09'08.03"
RUNWAY 11G	N/A	N/A
RUNWAY 29G	N/A	N/A
RUNWAY 3 (END)	45°46'02.61"	111°09'16.92"
RUNWAY 3 (DISPLACED)	45°46'05.86"	111°09'12.15"
RUNWAY 21	45°46'40.98"	111°08'20.61"

LEGEND

	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			

NOTES:
1. WHEN ULTIMATE EXTENSION OF RUNWAYS 29 AND 30 ARE COMPLETE, THE SPONSOR WILL CONSIDER RUNWAY DESIGNATIONS OF 30R AND 30L AND A MALSR WILL BE INSTALLED ON 30L.
2. RUNWAY 3/21 ULTIMATE EXTENSION IS NOT ELIGIBLE FOR A LP AND/OR JUSTIFIED BASED ON PROJECTED OPERATIONS.

RUNWAY 3-21 (ULT) DECLARED DISTANCES		
DISTANCE	RUNWAY	
	3*	21
TORA	5,573	5,100
TODA	5,573	5,100
ASDA	5,573	5,100
LDA	5,100	5,100

*RUNWAY 3 HAS A 473' DISPLACED THRESHOLD PENDING AIRSPACE REVIEW

FAA APPROVED
01-12-2023

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N:\0761\ALP\ACAD\SHEETS\0761-ALP_04 AIRPORT LAYOUT PLAN-ULT.DWG PLOTTED BY:KONNER KUEHN ON Mar/27/2023

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MATT MAIERLE
14671 PE
11/11/2022

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DSGN. BY: JW/JL
APPR. BY: MJM
DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

AIRPORT LAYOUT PLAN - ULTIMATE

PROJECT NUMBER 0761.000

DRAWING NUMBER 4/21

RUNWAY DATA

RUNWAY IDENTIFICATION	RUNWAY 12-30			RUNWAY 3-21			RUNWAY 11-29			RUNWAY 11G-29G TURF	
TIME FRAME	EXISTING (E)	FUTURE (F)	ULTIMATE (U)	EXISTING (E)	FUTURE (F)	ULTIMATE (U)	EXISTING (E)	FUTURE (F)	ULTIMATE (U)	EXISTING	FUTURE (F)
RUNWAY DESIGN CODE (RDC)	RW 12: D-III-2400 RW 30: D-III-VIS	D-IV-1200		B-I (SMALL)-VIS	B-II (SMALL)-VIS		B-II (SMALL)-VIS	D-IV-5000		B-I (SMALL)-VIS	
PAVEMENT STRENGTH	120,000 LBS. SWG, 250,000 LBS. DWL, 550,000 LBS. DTG			12,500 LBS. SWL			12,500 LBS. SWL	120,000 LBS. SWG, 250,000 LBS. DWL, 550,000 LBS. DTG		TURF	
LANDING SURFACE TYPE (TREATMENT)	BITUMINOUS PAVEMENT (GROOVED)			BITUMINOUS PAVEMENT (GROOVED)			BITUMINOUS PAVEMENT (GROOVED)			TURF	
STRENGTH BY PCN	123/F/A/X/T			90 /F/A/X/T			61 /F/A/X/U			N/A	
EFFECTIVE RUNWAY GRADIENT (%)	0.41%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	0.40%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	0.39%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	0.71%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	0.69%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	0.66%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	0.39%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS	0.37%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS		0.39%, RUNWAY MEETS LINE OF SIGHT REQUIREMENTS (E & F)	
RUNWAY DIMENSIONS	150' x 8,994'	150' x 10,000'	150' x 10,828'	75' x 2,650'	75' x 3,125'	75' x 5,100'	75' x 5,049'	150' x 8,500'		80' x 2,801'	80' x 2,300'
DISPLACED THRESHOLD	NONE	NONE	NONE	RW 3: 762' DISPLACED, RW 21: NONE	RW 3: 473' DISPLACED, RW 21: NONE		NONE	NONE		NONE	
RUNWAY SAFETY AREA	500' x 10,994'	500' x 12,000'	500' x 12,828'	120' x 3,130'	150' x 3,725'	150' x 5,700'	150' x 5,649'	500' x 10,500'		150' x 3,281'	150' x 2,700'
RUNWAY END COORDINATES (NAD83) & ELEVATIONS (NAV88)	RW 12: LAT. 45˚ 47' 17.11" LONG. 111˚ 09' 59.33" ELEVATION 4425.2 RW 30: LAT. 45˚ 46' 13.49" LONG. 111˚ 08' 30.80" ELEVATION 4462.5	RW 12: LAT. 45˚ 47' 21.88" LONG. 111˚ 10' 05.98" ELEVATION 4423.5 RW 30: LAT. 45˚ 46' 11.17" LONG. 111˚ 08' 27.57" ELEVATION 4463.5	RW 12: LAT. 45˚ 47' 27.74" LONG. 111˚ 10' 14.13" ELEVATION 4421.4 RW 30: LAT. 45˚ 46' 11.17" LONG. 111˚ 08' 27.57" ELEVATION 4463.5	RW 3: LAT. 45˚ 46' 07.86" LONG. 111˚ 09' 09.22" ELEVATION 4473.6 RW 21: LAT. 45˚ 46' 26.10" LONG. 111˚ 08' 42.44" ELEVATION 4454.8	RW 3: LAT. 45˚ 46' 05.86" LONG. 111˚ 09' 12.15" ELEVATION 4475.4 RW 21: LAT. 45˚ 46' 27.38" LONG. 111˚ 08' 40.57" ELEVATION 4453.7	RW 3: LAT. 45˚ 46' 05.86" LONG. 111˚ 09' 12.15" ELEVATION 4475.4 RW 21: LAT. 45˚ 46' 40.98" LONG. 111˚ 08' 20.61" ELEVATION 4441.8	RW 11: LAT. 45˚ 46' 53.36" LONG. 111˚ 09' 07.75" ELEVATION 4441.8 RW 29: LAT. 45˚ 46' 17.64" LONG. 111˚ 08' 18.07" ELEVATION 4461.4	RW 11: LAT. 45˚ 47' 10.54" LONG. 111˚ 09' 31.67" ELEVATION 4434.5 RW 29: LAT. 45˚ 46' 10.43" LONG. 111˚ 08' 08.03" ELEVATION 4466.1		RW 11G: LAT. 45˚ 46' 49.19" LONG. 111˚ 09' 06.72" ELEVATION 4442.2 RW 29G: LAT. 45˚ 46' 29.40" LONG. 111˚ 08' 39.11" ELEVATION 4453.2	RW 11G: LAT. 45˚ 46' 49.19" LONG. 111˚ 09' 06.72" ELEVATION 4442.2 RW 29G: LAT. 45˚ 46' 35.07" LONG. 111˚ 08' 47.01" ELEVATION 4451.3
RUNWAY LIGHTING	HIRL (E, F & U)			NONE (E, F & U)			MIRL	MIRL		NONE	
RUNWAY PROTECTION ZONE (RPZ)	RW 12: 1,000' x 1,750' x 2,500' RW 30: 500' x 1,010' x 1,700'	RW 12/30: 1,000' x 1,750' x 2,500'		250' x 450' x 1,000'	250' x 450' x 1,000'		250' x 450' x 1,000'	500' x 1,010' x 1,700'		250' x 450' x 1,000'	
RUNWAY MARKING	PRECISION (E, F & U)			BASIC (E, F & U)			NPI (E, F & U)			NONE	
14 CFR PART 77 APPROACH	RW12: 1,000 x 16,000 x 50,000; 10,000 @ 50:1; 40,000 @ 40:1 RW30: 500 x 3,500 x 10,000; 10,000 @ 34:1	RW12/30: 1,000 x 16,000 x 50,000; 10,000 @ 50:1; 40,000 @ 40:1		250 x 1,250 x 5,000; 5,000 @ 20:1	250 x 1,250 x 5,000; 5,000 @ 20:1		NONE	500 x 3,500 x 10,000; 10,000 @ 34:1		250 x 1,250 x 5,000; 5,000 @ 20:1	
APPROACH TYPE	RW 12: PRECISION RW 30: NPI	PRECISION		VISUAL			VISUAL	NPI		VISUAL	
VISIBILITY MINIMUMS	RW12: NOT LOWER THAN 1/2 MILE; RW30: NOT LOWER THAN 1 MILE	RW12/30: LOWER THAN 1/4 MILE		VISUAL			VISUAL	NOT LOWER THAN 1 MILE		VISUAL	
AERONAUTICAL SURVEY REQUIRED	VGS	VGS		NVGS			NVGS	NVGS		NVGS	
RUNWAY DEPARTURE SURFACE	1,000' x 6,466' x 10,200' @ 40:1	1,000' x 6,466' x 10,200' @ 40:1		N/A			N/A	N/A		N/A	
RUNWAY OBJECT FREE AREA	800' x 10,994'	800' x 12,000'	800' x 12,828'	250' x 3,130'	500' x 3,725	500' x 5,700'	500' x 5,649'	800' x 10,500'		250' x 3,281'	250' x 2,780'
OBSTACLE FREE ZONE	400' x 9,394'	400' x 10,400'	400' x 11,228'	250' x 3,050'	250' x 3,525'	250' x 5,500'	250' x 5,449'	400' x 8,900'		250' x 3,201'	250' x 2,700'
INNER APPROACH OFZ	RW12: 400' x 2,950' @ 50:1 RW30: NONE	RW12/30: 400' x 2,950' @ 50:1		NONE			NONE	NONE		NONE	
INNER TRANSITIONAL OFZ	RW 12: H=37.2', 6:1 OFF ROFZ & INNER APPROACH RPZ TO 5625.5' ABOVE MSL	RW 12: H=27.0', 5:1 OFF ROFZ & INNER APPROACH RPZ FOR 468.9', 6:1 TO 5625.5' ABOVE MSL RW 30: H=27.8', 5:1 OFF ROFZ & INNER APPROACH OFZ FOR 463.4', 6:1 TO 5625.5' ABOVE MSL	RW 12: H=27.9', 5:1 OFF ROFZ & INNER APPROACH RPZ FOR 464.7', 6:1 TO 5625.5' ABOVE MSL RW 30: H=27.8', 5:1 OFF ROFZ & INNER APPROACH OFZ FOR 463.4', 6:1 TO 5625.5' ABOVE MSL	NONE			NONE			NONE	
PRECISION OFZ	RW 12: 200' x 800 RW 30: NONE	RW 12/30: 200' x 800		NONE			NONE			NONE	
THRESHOLD SITING SURFACE (TSS)	RW 12: 200' FROM THRESHOLD, 800' x 3,800' x 10,000' x 0' @ 34:1 RW 30: 0' FROM THRESHOLD, 400' x 1000' x 1,500' x 8,500' @ 20:1	RW 12/30: 200' FROM THRESHOLD, 800' x 3,800' x 10,000' x 0' @ 34:1		0' FROM THRESHOLD, 250' x 700' x 2,250' x 2,750' @ 20:1			0' FROM THRESHOLD, 250' x 700' x 2,250' x 2,750' @ 20:1	0' FROM THRESHOLD, 400' x 1000' x 1,500' x 8,500' @ 20:1		0' FROM THRESHOLD, 250' x 700' x 2,250' x 2,750' @ 20:1	
VISUAL NAVAIDS	MALSR - RW 12 PAPI (P4L)-RW 12/30 REIL - RW 30	MALSR - RW 12/30 PAPI (P4L)-RW 12/30 REIL - RW 12/30		NONE			PAPI (P4L)	PAPI (P4L)		NONE	
INSTRUMENT NAVAIDS	ILS - RW 12, VOR/DME	ILS - RW 12/30, VOR/DME		VOR/DME, GPS			VOR/DME, GPS			GPS	
TOUCHDOWN ZONE ELEVATION	RW 12: 4443.1 RW 30: 4462.4	RW 12: 4440.1 RW 30: 4463.5	RW 12: 4434.4 RW 30: 4463.5	RW 3: 4473.6 RW 21: 4473.6	RW 3: 4475.4 RW 21: 4474.6	RW 3: 4475.4 RW 21: 4462.3	RW 11: 4452.8 RW 29: 4461.4	RW 11: 4443.6 RW 29: 4466.1		RW 11G: 4446.3 RW 29G: 4453.2	RW 11G: 4446.3 RW 29G: 4453.2
EXISTING PROCEDURES	RW 12: RNAV (GPS), ILS OR LOC, VOR RW 30: RNAV (GPS), VOR	RNAV (GPS), ILS OR LOC, VOR		RNAV (GPS), VOR			RNAV (GPS), VOR			RNAV (GPS), VOR	

FACILITIES

19	V.O.R.	ELEV.=	4462.5
20	LOCALIZER	ELEV.=	N/A
21	I.L.S. GLIDE SLOPE ANTENNA	ELEV.=	4468.6
22	ASOS SITE	ELEV.=	N/A
23	WIND GAUGE ANTENNA	ELEV.=	4471.5
24	RADAR ATCBI-6	ELEV.=	4505.0
500	TERMINAL BUILDING	ELEV.=	4493.5
501	AIRLINE STORAGE	ELEV.=	4479.5
502	OLD TERMINAL/ARFF	ELEV.=	4505.5
503	AIR TRAFFIC CONTROL TOWER	ELEV.=	4459.2
504	FAA AIRWAY FACILITIES	ELEV.=	4505.5
505	NATIONAL RENTAL CARWASH	ELEV.=	4477.5
506	BUDGET RENTAL CARWASH	ELEV.=	4478.5
507	HERTZ RENTAL CARWASH	ELEV.=	4479.5
508	ENTERPRISE RENTAL CARWASH	ELEV.=	4478.5
509	MAINTENANCE BUILDING	ELEV.=	4482.5
510	ELECTRICAL BUILDING	ELEV.=	4468.5
Varies	HANGARS	HIGHEST ELEV.=	4517.0
Varies	CAR CONDOMINIUMS	HIGHEST ELEV.=	4470.5
ATCT COORDINATES: LAT: 45˚46'30.82", LONG: 111˚09'22.44"			
NOTE: EYE HEIGHT OF ATCT FACILITY IS 4547.6			

MODIFICATIONS TO FAA STANDARDS

DESCRIPTION	DISPOSITION
NONE	

RUNWAY 3-21 (E) DECLARED DISTANCES

DISTANCE	RUNWAY 3*	RUNWAY 21
TORA	3,411	2,649
TODA	3,411	2,649
ASDA	3,411	2,649
LDA	2,649	2,649

*** RUNWAY 3 HAS A 762' DISPLACED THRESHOLD: AIRSPACE CASE 2011-ANM-684-NRA**

RUNWAY 3 PAVEMENT END CORRDINATES

LATITUDE	LONGITUDE
45˚ 46' 02.61"	111˚ 09' 16.92"

AIRPORT DATA

ITEM	EXISTING	FUTURE	ULTIMATE
AIRPORT REFERENCE CODE (ARC)	D-III	D-IV	D-IV
MEAN MAX. TEMP. - HOTTEST MONTH	83.2˚ F		
AIRPORT ELEVATION	4473.6'	4475.4'	4475.4'
AIRPORT NAVAIDS	FAA (ILS, REIL, GPS, VOR/DME, PAPI) AIRPORT (PAPI, BEACON)		
AIRPORT REFERENCE POINT (ARP) - LATITUDE (NAD '83)	45˚ 46' 38.05" N	45˚ 46' 40.02" N	45˚ 46' 40.90" N
AIRPORT REFERENCE POINT (ARP) - LONGITUDE (NAD '83)	111˚ 09' 00.94" W	111˚ 09' 02.70" W	111˚ 09' 02.87" W
MISCELLANEOUS FACILITIES	100LL (FUEL) & JET A (FUEL), LIGHTED BEACON, LIGHTED WIND CONE, SEGMENTED CIRCLE, AWOS III		
ARC & CRITICAL AIRCRAFT	RW 12-30: D-III RW 3-21: B-I (SMALL) RW 11-29: B-II (SMALL) RW 11G-29G: B-I	RW 12-30: D-IV RW 3-21: B-II (SMALL) RW 11-29: D-IV RW 11G-29G: B-I	RW 12-30: D-IV RW 3-21: B-II (SMALL) RW 11-29: D-IV RW 11G-29G: B-I
AIRPORT MAGNETIC VARIATION	11.77° E ± 0.4° (2020) CHANGING 0.10 PER YEAR Source: http://www.ngdc.noaa.gov/geomag-web/#declination		
NPIAS SERVICE LEVEL	PRIMARY		
STATE EQUIVALENT SERVICE ROLE	N/A		
SECURITY FENCE (CHAIN LINK)	7' CHAIN LINK & 1' BARBWIRE		

TAXIWAY DATA

ITEM	EXISTING (E) / FUTURE (F) & ULTIMATE (U)								
TAXIWAY IDENTIFICATION	TW A/A4	TW A1/A2/A3/A5	TW E	TW B	TW C/C1/C3	TW D	TW F/U/Y/Z (TAXILANES)	TL Y SOUTH	ALL OTHERS
TAXIWAY/TAXILANE WIDTH (TDG)	75' (E & F & U)	90' (E & F & U)	25' (E & F)/ N/A (U)	N/A (E) / 75'(F & U)	35'(E) / 75'(F & U)	N/A (E) / 75'(F & U)	50' (E & F & U)	25' (F & U)	35' (E & F & U)
TAXIWAY/TAXILANE SAFETY AREA	171' (E & F & U)	171' (E & F & U)	49' (E & F)/ N/A (U)	N/A (E) / 171'(F & U)	79'(E) / 171'(F & U)	N/A (E) / 171'(F & U)	118' (E & F & U)	79' (F & U)	79' (E & F & U)
TAXIWAY/TAXILANE OBJECT FREE AREA	259' (E & F & U)	259' (E & F & U)	89' (E & F)/ N/A (U)	N/A (E) / 259' (F & U)	131'(E) / 259'(F & U)	N/A (E) / 259' (F & U)	162' (E & F & U)	115' (F & U)	115' (E & F & U)
TAXIWAY EDGE SAFETY MARGIN (TESM)	15' (E & F & U)	15' (E & F & U)	5' (E & F)/ N/A (U)	N/A (E) / 15'(F & U)	7.5'(E) / 15'(F & U)	N/A (E) / 15'(F & U)	10' (E & F & U)	5' (F & U)	5' (E & F & U)
TAXIWAY SHOULDER WIDTH	12.5'(E) / 30'(F & U)	12.5'(E) / 30'(F & U)	NONE	N/A (E) / 30'(F & U)	12.5'(E) / 30'(F & U)	N/A (E) / 30'(F & U)	NONE (E) / 20'(F & U TW F)	NONE (F & U)	NONE (E & F & U)
TAXIWAY AND TAXILANE SEPARATION	NONE (E) / 300' (F & U)	NONE (E) / 300' (F & U)	NONE	NONE (E) / 300' (F & U)	NONE	NONE (E) / 300' (F & U)	162' (E & F & U)	162' (F & U)	162' (E & F & U)
TAXIWAY/TAXILANE LIGHTING	MITL						NONE (TW F, G TO HAVE MITL)		

WIND DATA

RUNWAY	TRUE BEARING	CROSSWIND COMPONENT	% COVERAGE (ALL WEATHER)	% COVERAGE (IFR)	% COVERAGE (VFR)
12-30	136	16 KTS	98.24%	99.65%	98.11%
12-30	136	13 KTS	96.33%	98.90%	96.10%
12-30	136	10.5 KTS	94.39%	97.86%	94.08%
11-29	136	13 KTS	96.33%	98.90%	96.10%
11-29	136	10.5 KTS	94.39%	97.86%	94.08%
3-21	046	10.5 KTS	94.94%	95.13%	94.92%
3-21 & 12-30	046/136	10.5 KTS/16 KTS	99.78%	99.86%	99.77%
3-21 & 11-29	046/136	10.5 KTS/13 KTS	99.52%	99.72%	99.50%
3-21, 12-30 & 11-29	046/136/136	10.5 KTS/13 KTS /16 KTS	99.78%	99.86%	99.77%

SOURCE OF DATA: ASOS (KBZN) AT BZN, FOR YEARS 2008 - 2013, 2015 - 2018 – 46,052 OBSERVATIONS.

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01-12-2023

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REVISIONS

NO.	DESCRIPTION	BY	DATE

N:\0761\ALP\ACAD\SHEETS\0761-ALP_05 ALP TABLE.DWG PLOTTED BY:DEAN SQUIRES ON Jan/11/2023

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MONTANA PROFESSIONAL ENGINEER LICENSED JAMES W. MAIERLE 3671 PE 11/11/2022

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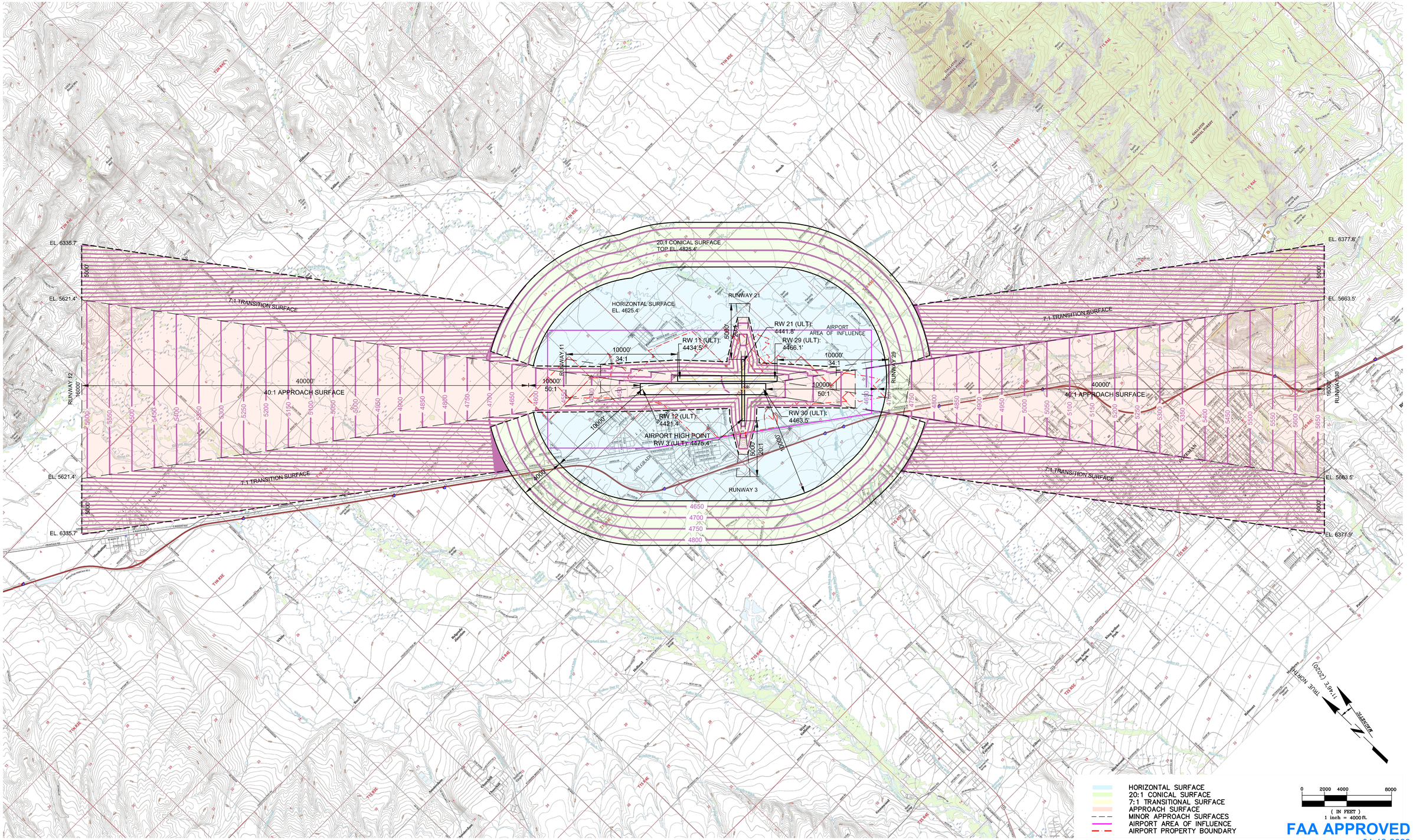
APPR. BY: MJM
DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

AIRPORT LAYOUT PLAN - TABLES

PROJECT NUMBER 0761.000

DRAWING NUMBER 5/21



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MONTANA PROFESSIONAL ENGINEER
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14671 PE
11/11/2022
LICENSED

DRAWN BY: DS
DSGN. BY: JW/JL
APPR. BY: MJM
DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE

BELGRADE MONTANA

AIRSPACE DRAWING - PLAN VIEW

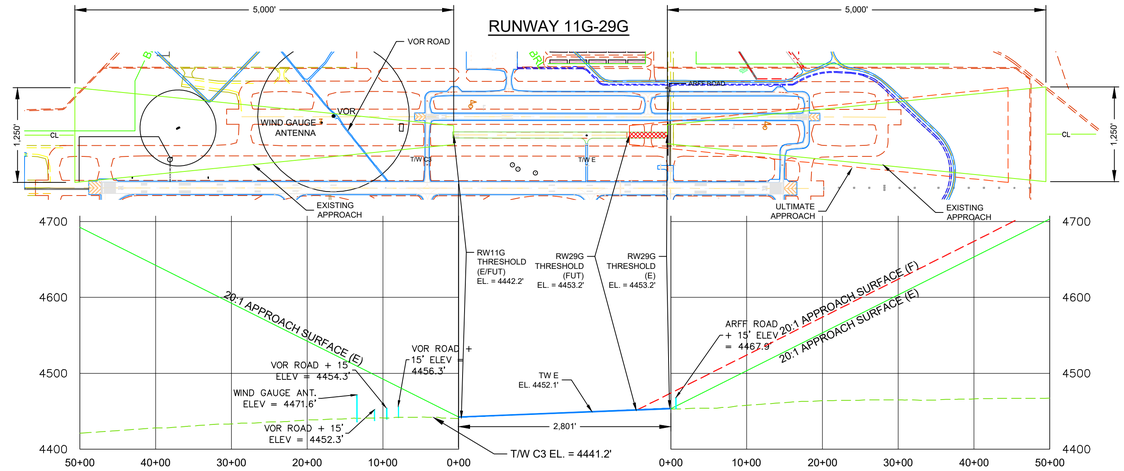
PROJECT NUMBER
0761.000

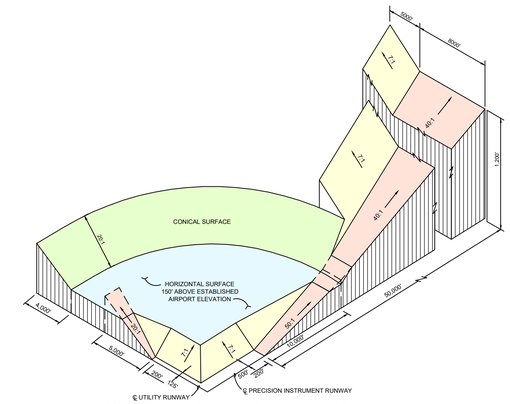
DRAWING NUMBER
6/21

NOTE: VOR ROAD AND THE WIND GAUGE ANTENNA ARE TO BE RELOCATED. THE PURPOSE OF THIS DRAWING IS PRIMARILY TO IDENTIFY OBSTRUCTIONS AWAY FROM THE AIRPORT ENVIRONMENT. CLOSE-IN OBSTRUTIONS ARE CAPTURED ON THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS.

RUNWAY 11-29 - DOES NOT HAVE PUBLISHED RUWNAY APPROACHES.

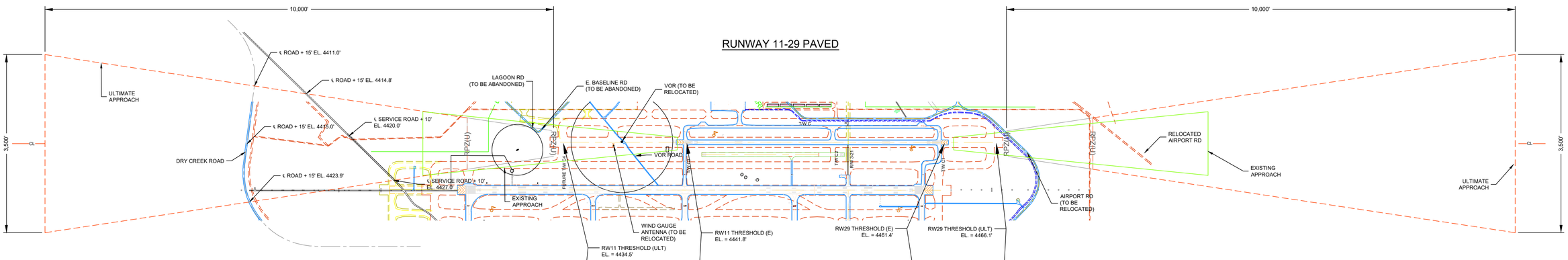
RUNWAY 11G-29G

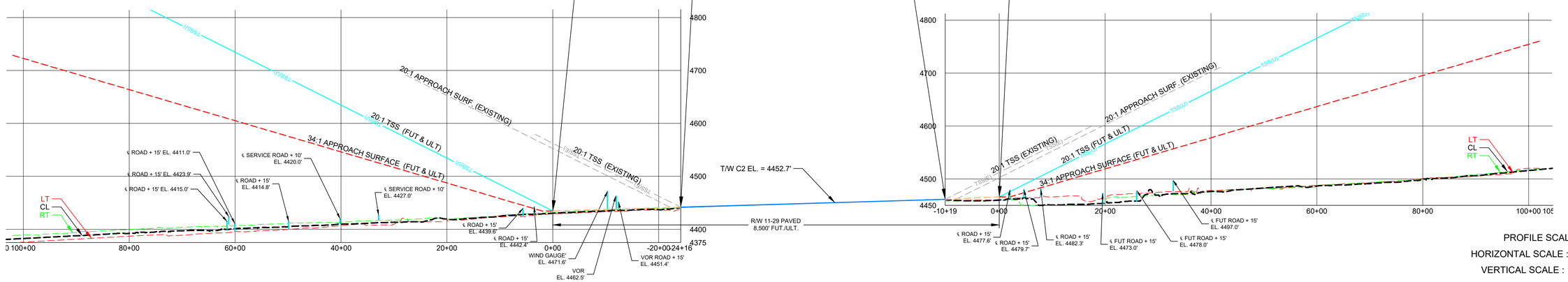




TYPICAL CIVIL AIRPORT IMAGINARY SURFACES

RUNWAY 11-29 PAVED





PROFILE SCALE
HORIZONTAL SCALE : 1'= 1000'
VERTICAL SCALE : 1'= 100'

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APPR. BY: MJM
DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

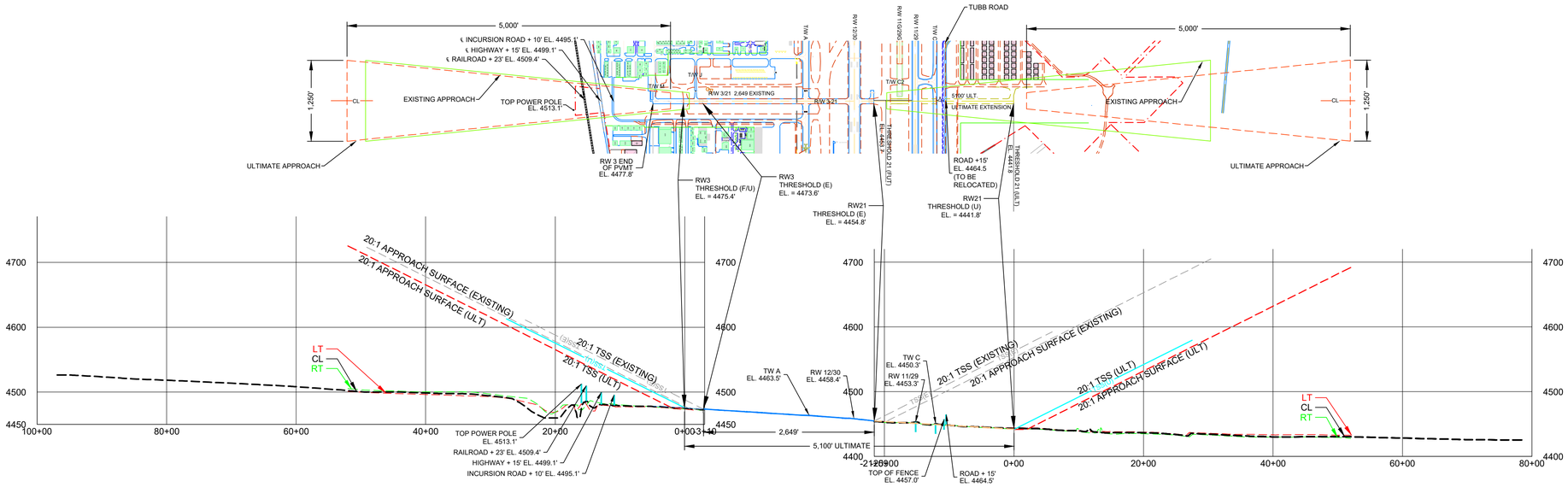
BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

AIRSPACE DRAWING - PROFILE VIEWS

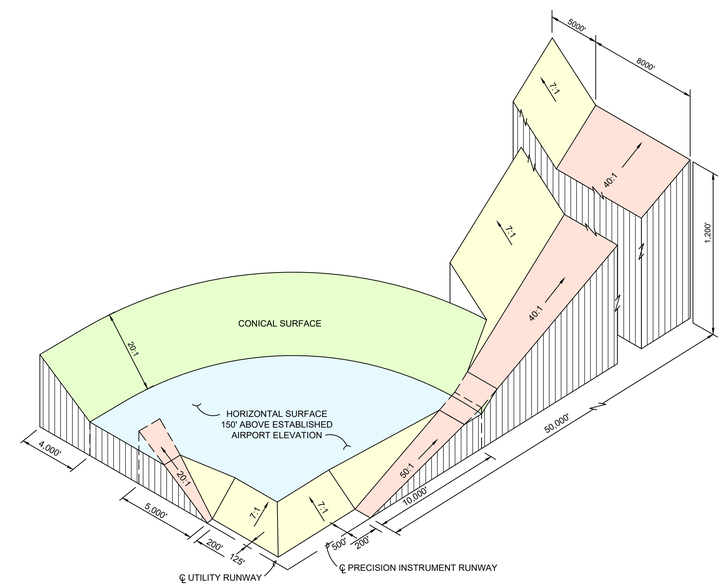
PROJECT NUMBER 0761.000

DRAWING NUMBER 7/21

RUNWAY 3-21



PROFILE SCALE
HORIZONTAL SCALE : 1'= 1000'
VERTICAL SCALE : 1'= 100'



TYPICAL CIVIL AIRPORT IMAGINARY SURFACES

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MONTANA MATTHEW J. MAIERLE 10671 PE LICENSED PROFESSIONAL ENGINEER 11/11/2022

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DSGN. BY: JW/JL
APPR. BY: MJM
DATE: 11/2022

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BY: STB
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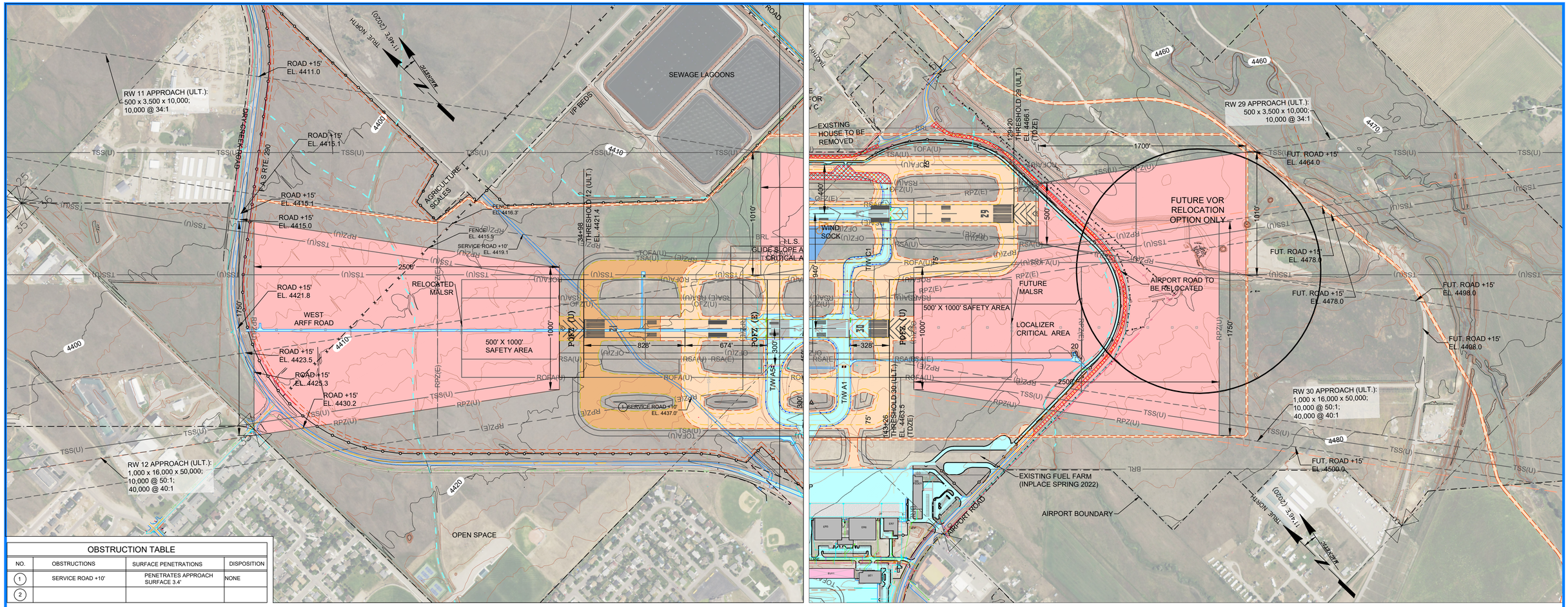
BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

AIRSPACE DRAWING - PROFILE VIEWS

PROJECT NUMBER
0761.000

DRAWING NUMBER
8/21



OBSTRUCTION TABLE

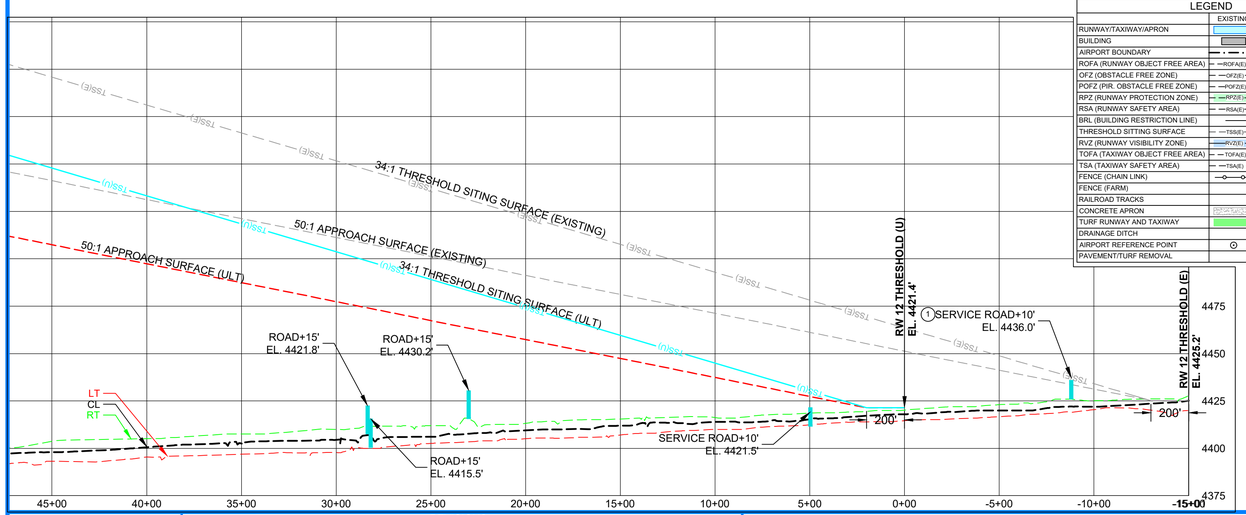
NO.	OBSTRUCTIONS	SURFACE PENETRATIONS	DISPOSITION
1	SERVICE ROAD +10'	PENETRATES APPROACH SURFACE 3.4'	NONE
2			

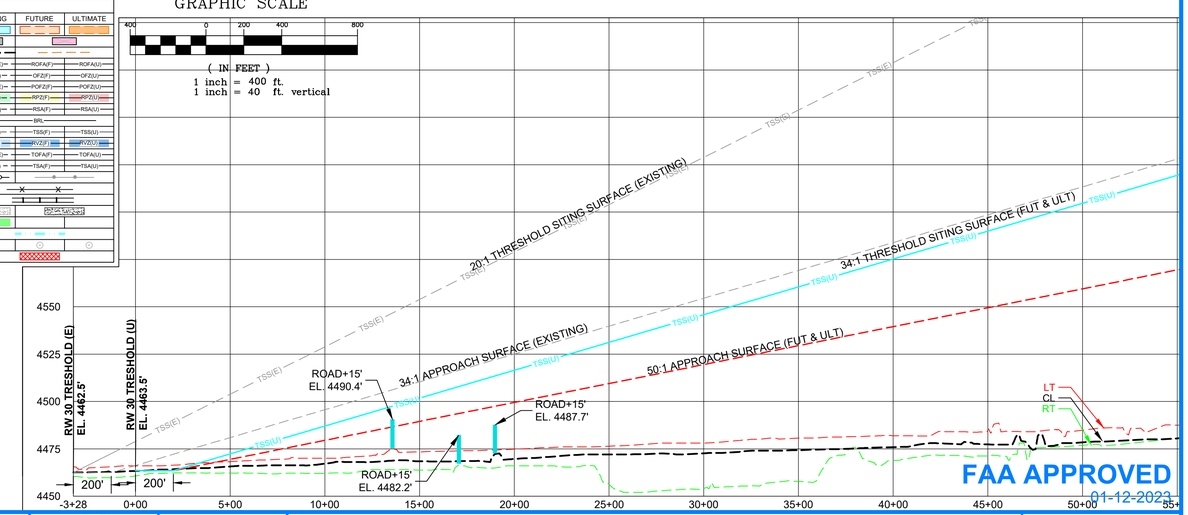
LEGEND

	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			

GRAPHIC SCALE

(IN FEET)
1 inch = 400 ft.
1 inch = 40 ft. vertical





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REVISIONS

NO.	DESCRIPTION	BY	DATE

N:\0761\ALP\ACAD\SHEETS\0761-ALP_09 RUNWAY 12-30 PROTECTION ZONE.DWG PLOTTED BY:DEAN SQUIRES ON Jan/11/2023

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DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

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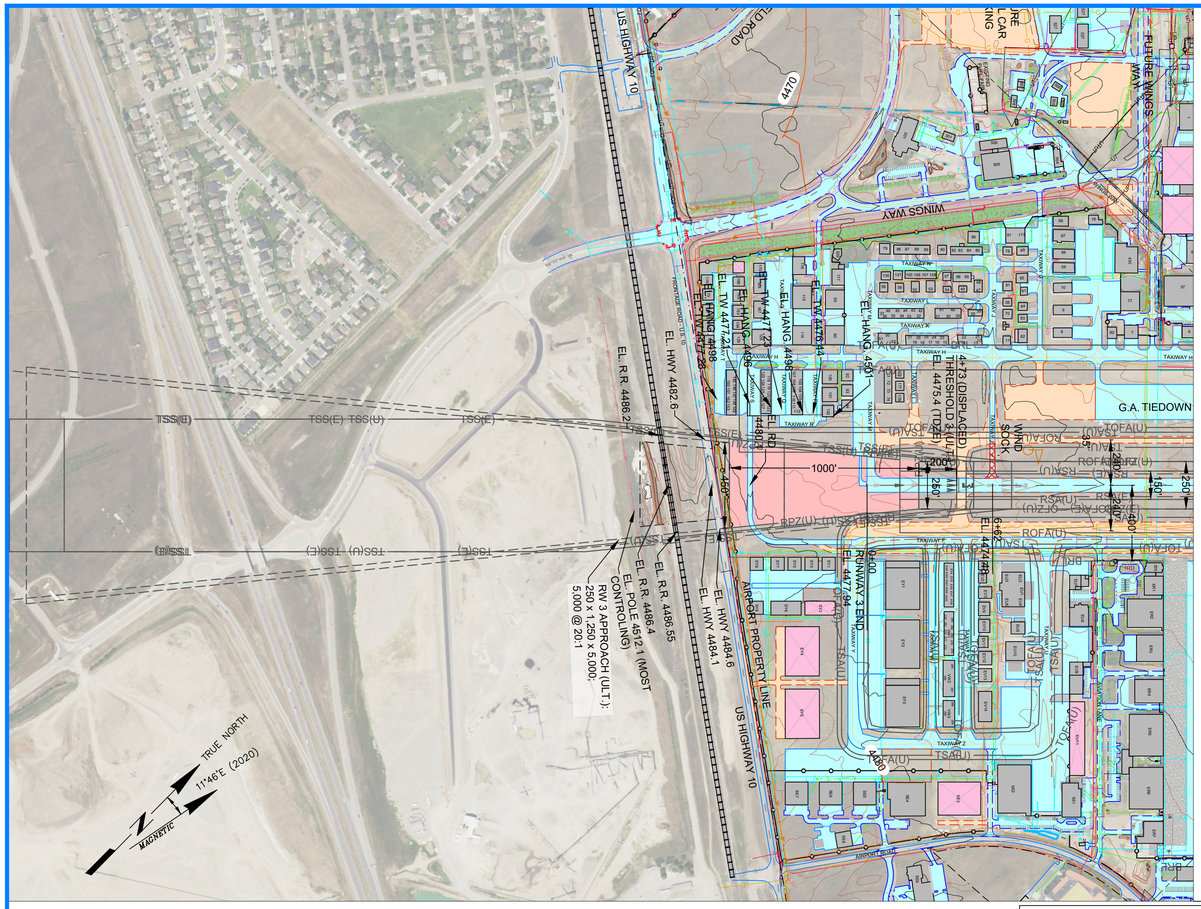
2020 AIRPORT MASTER PLAN UPDATE

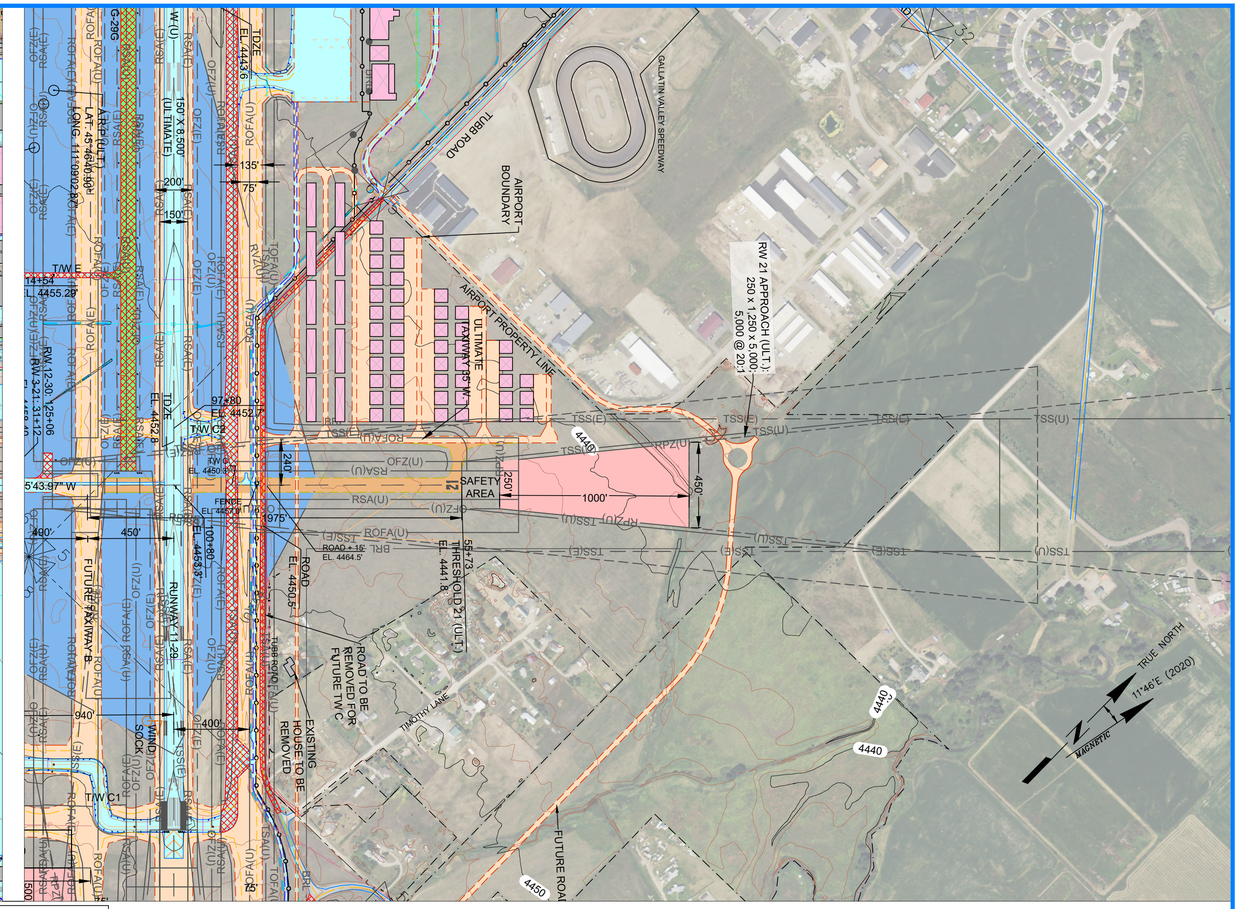
BELGRADE MONTANA

RUNWAY 12-30 INNER PORTION OF APPROACH SURFACE DRAWING

PROJECT NUMBER 0761.000

DRAWING NUMBER 9/21

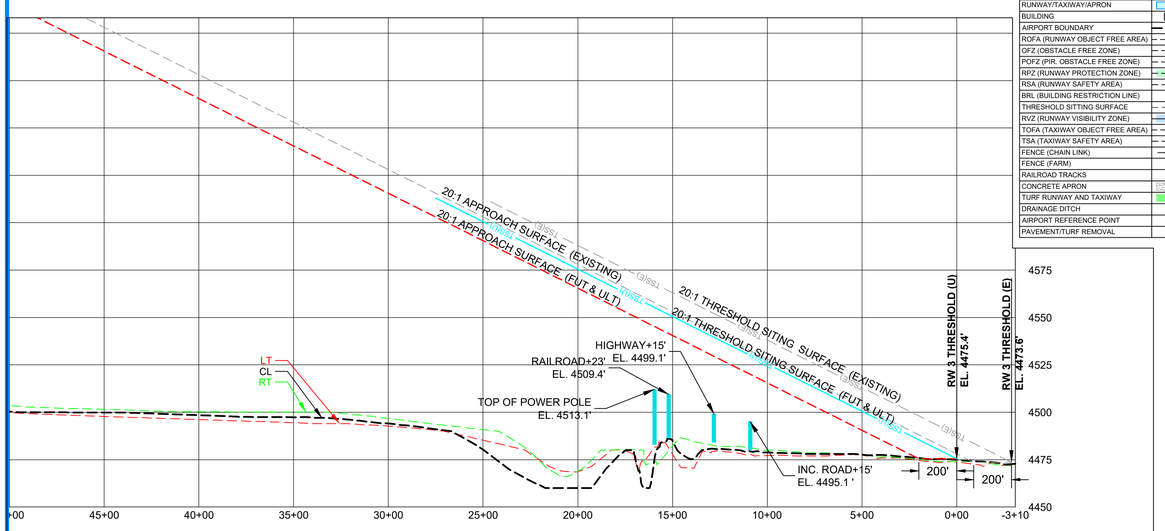




NOTE: R/W 3-21 EXTENSION REQUIRES LAND ACQUISITION AND HOME RELOCATION

LEGEND

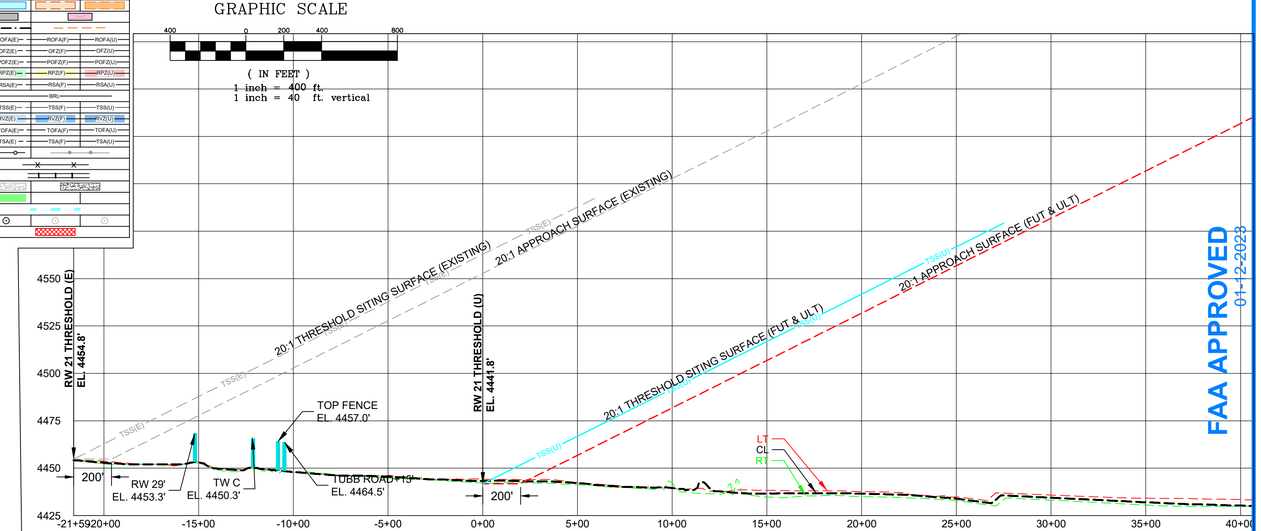
	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			



GRAPHIC SCALE

400 0 200 400 800

(IN FEET)
1 inch = 400 ft.
1 inch = 40 ft. vertical



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DATE: 11/2022

Q.C. REVIEW
BY: STB
DATE: 11/2022

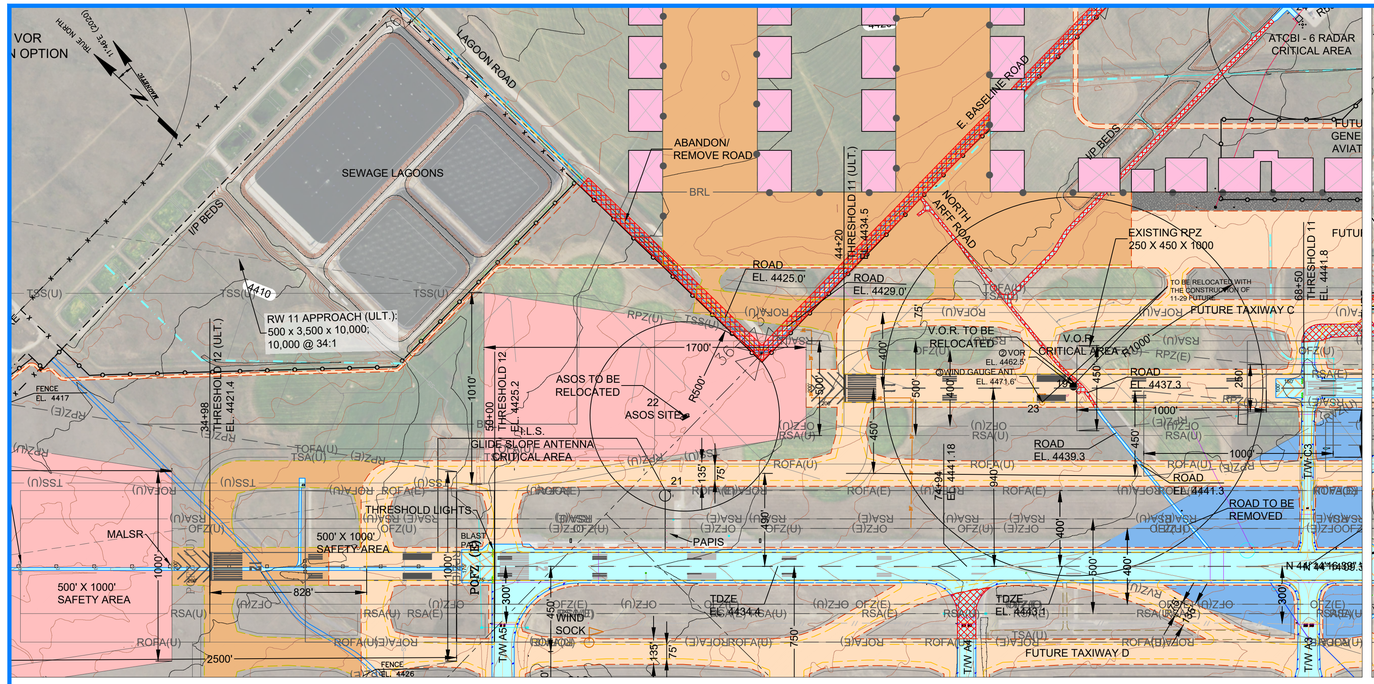
BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE

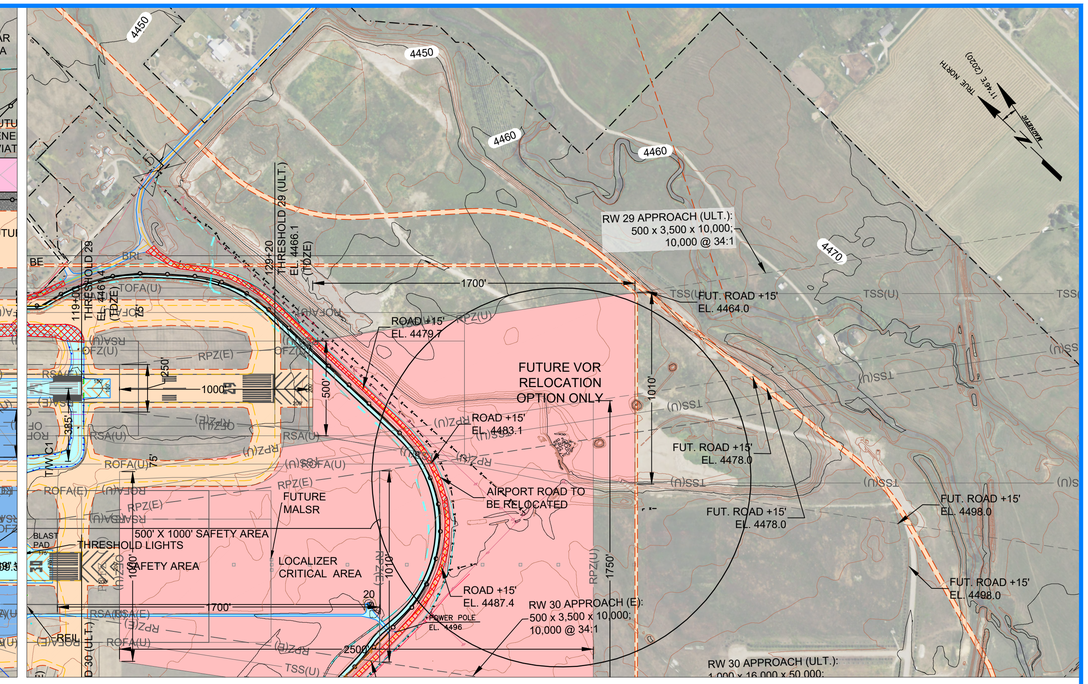
BELGRADE MONTANA

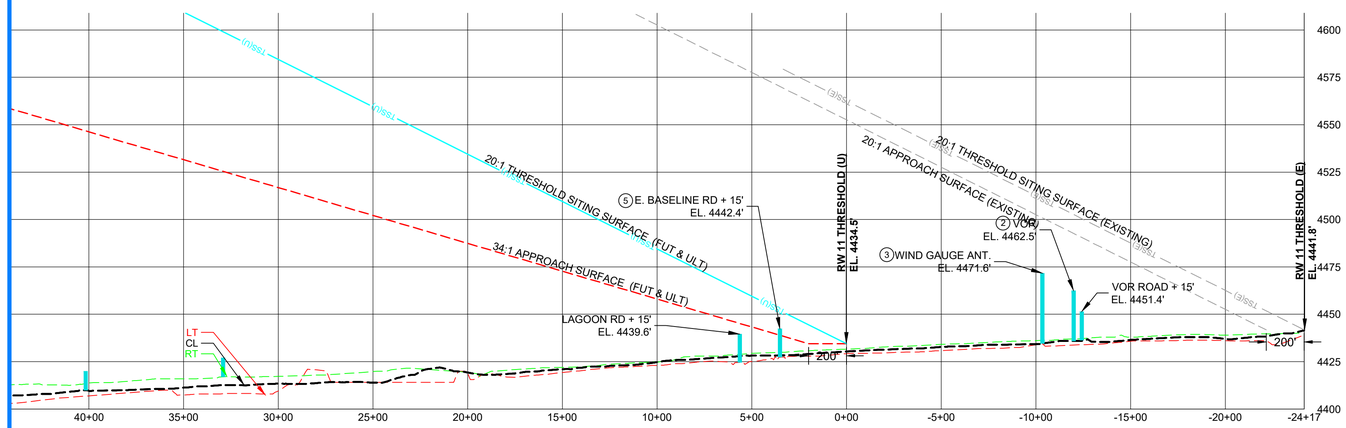
RUNWAY 3-21 INNER PORTION OF APPROACH SURFACE DRAWING

PROJECT NUMBER
0761.000

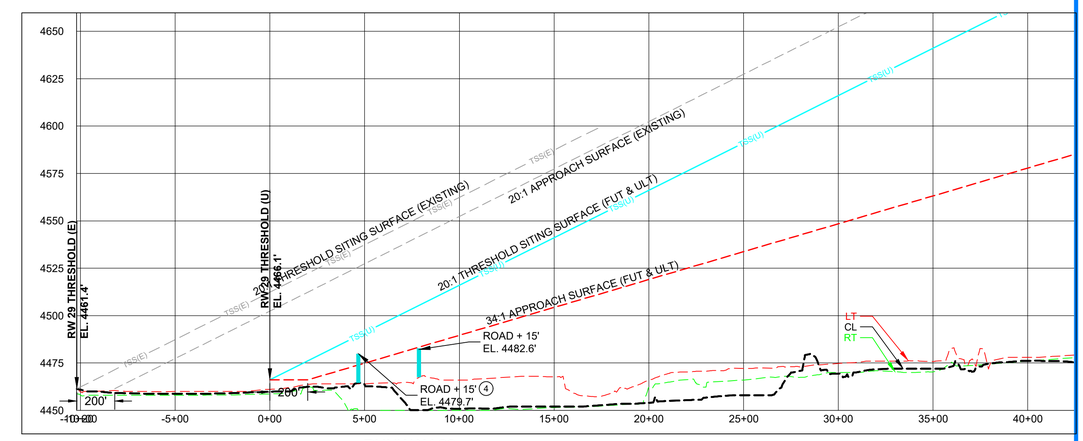
DRAWING NUMBER
10/21







RUNWAY 11



RUNWAY 29

ULTIMATE RUNWAY 11-29 PAVED

LEGEND	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PHR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			

GRAPHIC SCALE

400 0 200 400 800

(IN FEET)
1 inch = 400 ft.
1 inch = 40 ft. vertical

NOTE: RW 11-29 PAVED DOES NOT HAVE A PUBLISHED APPROACH SURFACE.

OBSTRUCTION TABLE

NO.	OBSTRUCTIONS	SURFACE PENETRATIONS	DISPOSITION
2	VOR	ULTIMATE PRIMARY	RELOCATE
3	WIND GAUGE	ULTIMATE PRIMARY	RELOCATE
4	AIRPORT ROAD	ULTIMATE PRIMARY	RELOCATE
5	E. BASELINE RD	ULTIMATE PRIMARY	REMOVE

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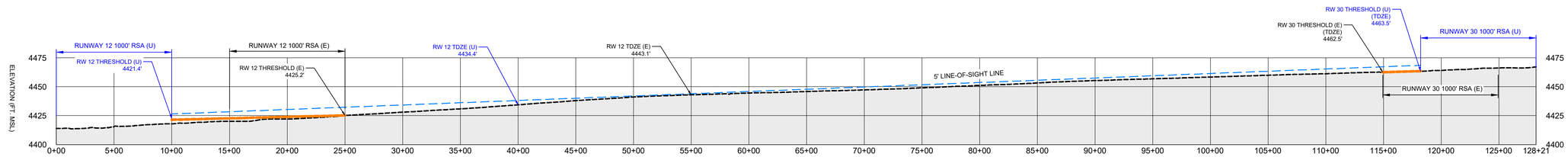
BELGRADE MONTANA

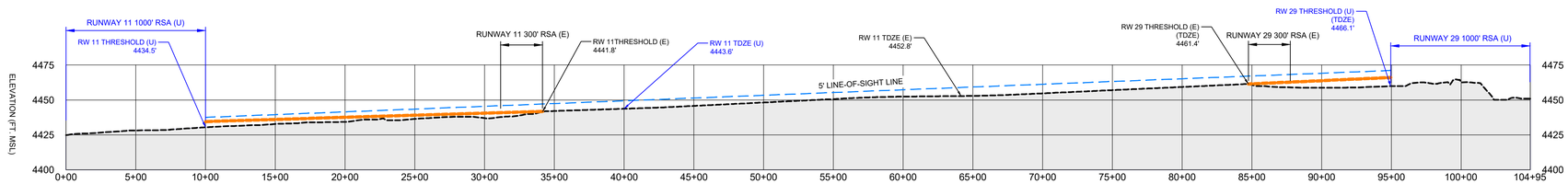
RUNWAY 11-29 INNER PORTION OF APPROACH SURFACE DRAWING

PROJECT NUMBER 0761.000

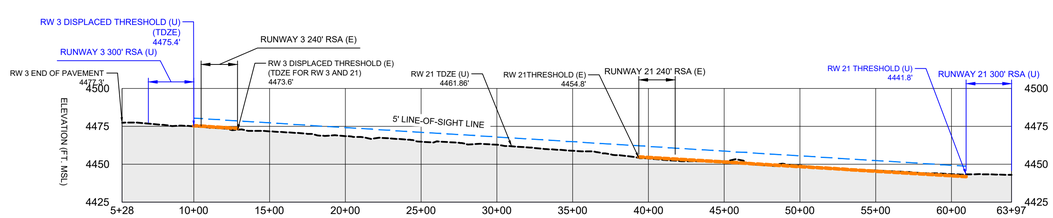
DRAWING NUMBER 11/21



RW 12-30 CL PROFILE



RW 11-29 CL PROFILE



RW 3-21 CL PROFILE

GRAPHIC SCALE

500 0 250 500 1000

(IN FEET)
1 inch = 500 ft.

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DATE: 11/2022

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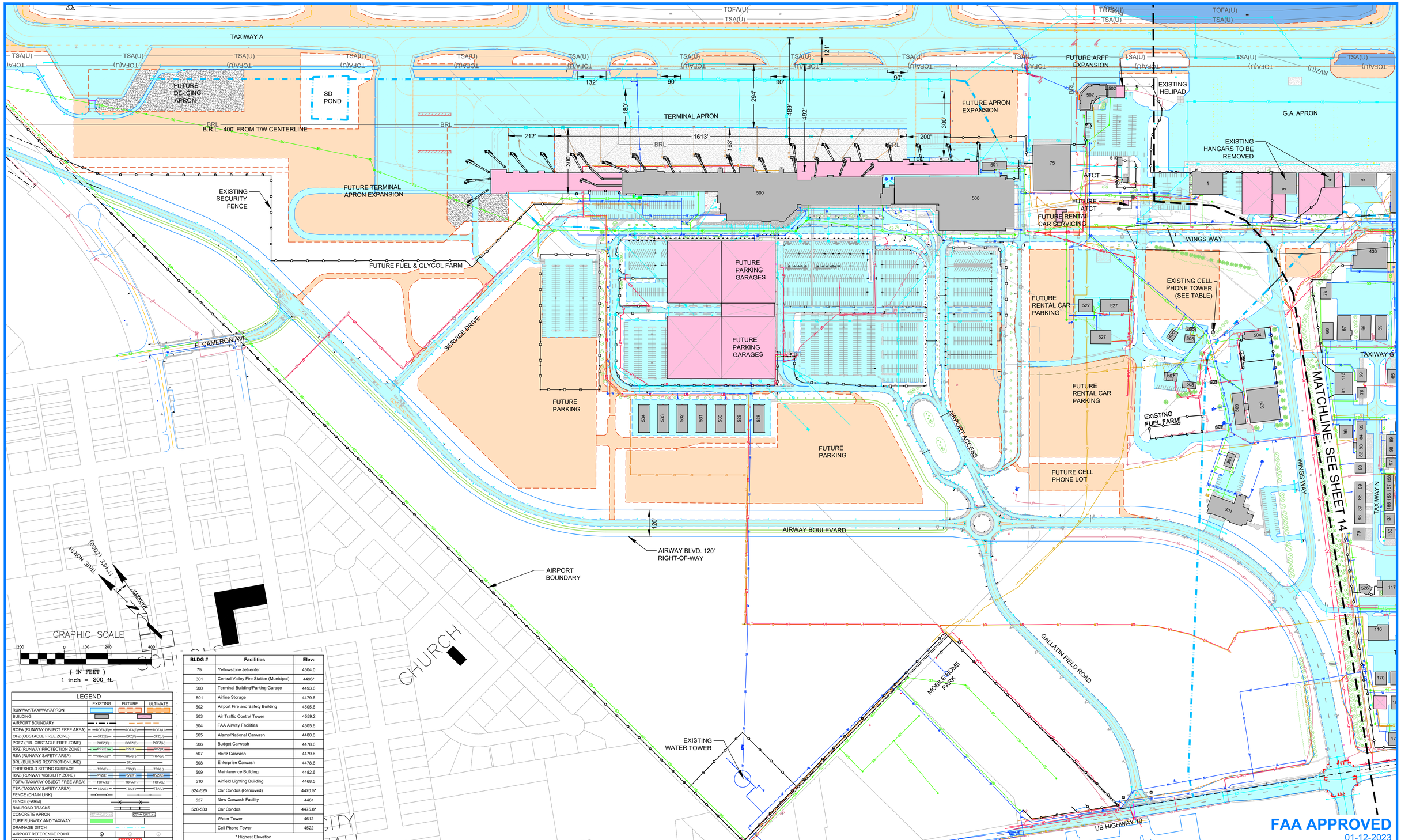
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

RUNWAY CENTERLINE PROFILE

PROJECT NUMBER
0761.000

DRAWING NUMBER
12/21



BLDG #	Facilities	Elev:
75	Yellowstone Jetcenter	4504.0
301	Central Valley Fire Station (Municipal)	4496*
500	Terminal Building/Parking Garage	4493.6
501	Airline Storage	4479.6
502	Airport Fire and Safety Building	4505.6
503	Air Traffic Control Tower	4559.2
504	FAA Airway Facilities	4505.6
505	Alamo/National Carwash	4480.6
506	Budget Carwash	4478.6
507	Hertz Carwash	4479.6
508	Enterprise Carwash	4478.6
509	Maintanence Building	4482.6
510	Airfield Lighting Building	4468.5
524-525	Car Condos (Removed)	4470.5*
527	New Carwash Facility	4481
528-533	Car Condos	4475.8*
	Water Tower	4612
	Cell Phone Tower	4522

* Highest Elevation

LEGEND

	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			

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BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT

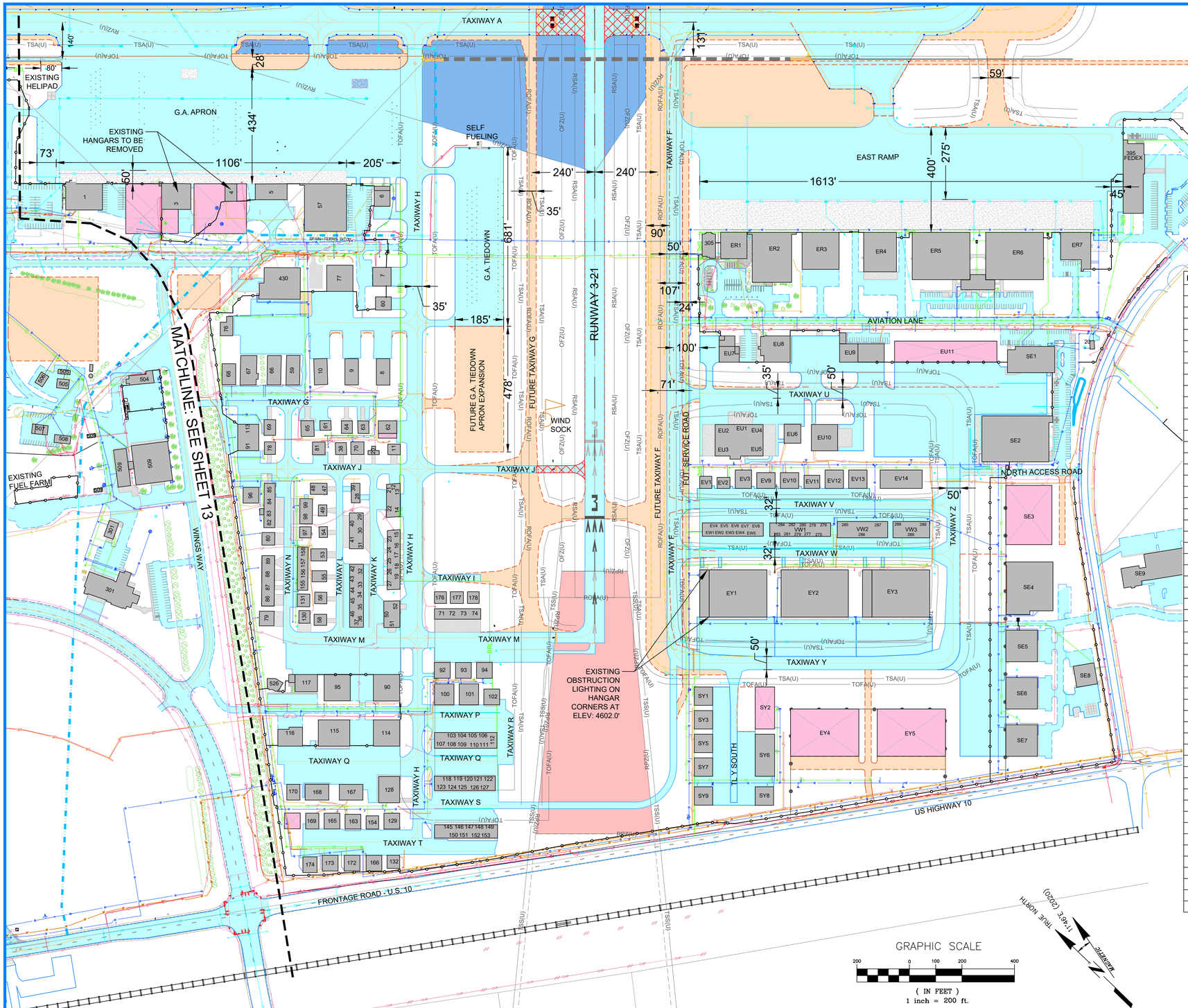
2020 AIRPORT MASTER PLAN UPDATE

BELGRADE MONTANA

TERMINAL AREA PLAN

PROJECT NUMBER
0761.000

DRAWING NUMBER
13/21



BLDG #	West Side Facilities	Elev:	BLDG #	West Side Facilities	Elev:
1	Arlin's Aircraft Service	4490	70	David Sullivan Trustee	4496
2	Gallatin Airport Authority	4487	71	Sunnyside Storage (Paul Boylan)	4499
3	Gallatin Airport Authority	4487	72	Sunnyside Storage (Garcia & Kelleher)	4499
4	Arlin's Aircraft Service	4489	73	Sunnyside Storage (Fisher & Kline)	4499
5	Yellowstone Jetcenter (Old FedEx)	4483	74	Sunnyside Storage (Edward Lindgren)	4499
6	Gallatin Flying Service	4493	75	Yellowstone Jetcenter	4504
7	Arlin's Aircraft Service	4492	76	JCZ LLC (Jack Ostrovsky)	4494
8	Starflight Inc.	4487	77	Guaranty Dev.(Bruce Erickson)	4495
9	Arlin's Aircraft Service	4485	78	Bill Howie	4490
10	Tim Linn & Ken Flikkema	4486	79	Tom Stelmak	4498
11	Arlin's Aircraft Service	4488	80	Dennis Guentzel	4493
12	Airport (Doug Chapman)	4491	81	Richard Roehm	4492
13	Airport (Travis Buck)	4491	82	Eagle Nest Condo (Farnum Alston)	4493
14	Airport (Gregory Hall)	4491	83	Eagle Nest Condo (Travis Buck)	4493
15	Arlin's Aircraft Rental	4495	84	Eagle Nest Condo (Jeff Reider)	4493
16	Arlin's Aircraft Rental	4495	85	Eagle Nest Condo (Les Waldow)	4493
17	Arlin's Aircraft Rental	4495	86	BC Storage Condo Assn (Lance Tinseth)	4498
18	Arlin's Aircraft Rental	4495	87	BC Storage Condo Assn(Haggerty & McHenry)	4498
19	Arlin's Aircraft Rental	4495	88	BC Storage Condo Assn (Henry Burden)	4498
20	Gallatin Valley Aero. Society	4483	89	BC Storage Condo Assn (David Sullivan)	4498
21	Airport (Ted Mathis)	4492	90	ACW LLC (Arlin's)	4511
22	Airport (John Hanson)	4491	91	Doug Chapman	4497
23	Arlin's Aircraft Rental	4495	92	J.N. Crump	4493
24	Arlin's Aircraft Rental	4495	93	Montana Aircraft (Doug Chapman)	4495
25	Arlin's Aircraft Rental	4495	94	Palmer Empire, LLC	4493
26	Arlin's Aircraft Rental	4495	95	Klein Gilhousen	4511
27	Arlin's Aircraft Rental	4495	96	Banjo Boy LLC	4493
28	Gene Graf	4492	97	Jon & Berkley Hudson	4492
29	Miller Rental	4493	98	Aerohaus Condo (Larry Blakesley)	4494
30	Miller Rental	4493	99	Aerohaus Condo (Larry Blakesley)	4494
31	Miller Rental	4493	100	SBL Enterprises (Scott Heck)	4508
32	Aircraft Condo (S Williamson)	4495	101	McKenna & Egbert	4508
33	Aircraft Condo - Vic Tate	4495	102	Tim Gram & Paul Wasserott	4501
34	Aircraft Condo - Vic Tate	4495	103-112	BZN Hangars (Robert Blake T-Hangars)	4498
35	Aircraft Condo (S Williamson)	4495	113	Sarpy Creek Land Company (Tempe Connell)	4497
36	Aircraft Condo (S Williamson)	4495	114	Aircraft Shelter (Bruce Ruefer)	4517
37	Aircraft Condo (S Williamson)	4495	115	Aircraft Shelter (Bruce Ruefer)	4516
38	Manhattan Flying Tigers	4489	116	Brask T-4 Ranch, LLC	4504
39	Gene Graf	4492	117	Arlin's Aircraft Service	4508
40	Miller Rental	4492	118-127	Anson Enterprises (Robert Blake T-Hangars)	4496
41	Miller Rental	4492	128	George Mandes	4512
42	Aircraft Condo Asso.(Steve Williamson)	4495	129	JARRAFCO LP (David Jarrett)	4502
43	Aircraft Condo Asso.	4495	130	Robert Shropshire	4496
44	Aircraft Condo Asso.	4495	131	Oreo Hangar LLC	4492
45	Aircraft Condo Asso.	4495	132	John Blackwell	4497
46	Aircraft Condo Asso.	4495	133	Summit Aviation	4506
47	Roberta Gier	4490	145-153	Jer's Hangars (Jerry Grant)	4498
48	Roberta Gier	4490	154	Blue Max Aero (Daniel Brooke)	4496
49	Kundert, Mickey Lessley & Kevin	4490	155-158	RMAVIT Bldg One Condo (Ben Bulis)	4494
50	Big Sky Jet (Greg Mecklenberg)	4500	163	Lance Lerner	4497
51	Big Sky Jet (Greg Mecklenberg)	4500	164	N/A	N/A
52	Big Sky Jet (Greg Mecklenberg)	4500	165	James & James (Dennis Forhart)	4496
53	Douglas Cairns	4496	166	James Booth	4497
54	Chris Boyer	4491	167	Downtime Condo (Ben Nistler)	4497
55	Norman Fox	4492	168	Scot Steambaugh	4496
56	Montana Ninty-Nines, Inc	4494	169	Hall Controls, Inc.	4500
57	Yellowstone Jetcenter	4497	170	Montana Jet, LLC	4507
58	James Booth	4494	172		4502
59	Bob & Linda Marshall	4493	173	Dan Kaplan	4502
60	Don Profota	4486	174	James White	4502
61	Iven & Susan Rosheim	4490	176		4492
62	Wayne Edsall	4492	177		4492
63	Monte Beck	4491	178		4493
64	Linda Marshall	4492	504	Enterprise Carwash	4479
65	Expert Pilots, LLC	4488	506	Airfield Lighting Building	4469
66	James Allbright	4495	507	Car Condos	4470.5
67	Sparrows Nest LLC	4494	508	Pilots Shelter	4490
68	ACW LLC c/o Arlin's Aircraft Service	4494	509	VOR	4463
69	Dennis Mecklenburg	4489	526	ASOS Site	N/A

BLDG #	East Side Facilities	Elev:
20	City of Belgrade Well, 20 Aviation Lane	4499
305	Yellowstone Jet Center, 305 Aviation Lane	4493
395	Leask-Belgrade Properties (FEDEX)	4464
ER1	Bozeman Aviation Svc/CAV	4500
ER2	Yellowstone Jetcenter	4514
ER3	Sky River Holdings (Bob Scherrer)	4513
ER4	Mark & Pam Duffy	4510
ER5	Yellwostone Club (Sam Byrne)	4472
ER6	Yellwostone Club (Sam Byrne)	4473
ER7	RMR Hangar 1 LLC	4514
EU1	Big Sky Aero (R&L Marshall)	4502
EU2	Big Sky Aero (R&L Marshall)	4502
EU3	Big Sky Aero (Kaj Seifert)	4502
EU4	Big Sky Aero (R&L Marshall)	4502
EU5	Big Sky Aero (James Stinnet)	4502
EU6	Flying Montana LLC	4504
EU7	Wide Open Skies Aviation	4496
EU8	Hangar Nine, LLC	4506
EU9	Ridgeline Aviation (Centerline Properties LLC)	4499
EU10	Michael Huempfner	4512
EV1	Baxter Enterprises (Dean Hatten)	4495
EV2	Buen Air LLC (Jeff MacPherson)	4495
EV3	Doug Hartzheim	4501
EV4-EV8	Elite Hangars	4494
EV9	North Fork Place, LLC.	4503
EV10	Alan Binette	4504
EV11	William Wuertz	4505
EV12	Pacific Commerce	4506
EV13	PCI Montana TF, LLC	4507
EV14		4508
EW1-EW5	Elite Hangars	4494
EY1		4524
EY2	BZN Hangars 1 and 2, LLC	4524
EY3		4525
EY4	Future	
EY5	Future	
SE1	Bridger Aerospace	4512
SE2	Bridger Aerospace	4530
SE3	Future	
SE4		4525
SE5		4529
SE6		4530
SE7		4531
SE8		4512
SE9	AVT	4517
VW1		4494
VW2	Whiskey Papa Enterprises, LLC	4495
VW3		4496
SY1		4510
SY2	Future	
SY3		4511
SY5		4512
SY6		4523
SY7		4513
SY8		4514
SY9		4514

LEGEND

	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			

FAA APPROVED
01-12-2023

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REVISIONS

NO.	DESCRIPTION	BY	DATE

N:\0761\ALP\ACAD\SHEETS\0761-ALP_14 GENERAL AVIATION APRON.DWG PLOTTED BY:DEAN SQUIRES ON Jan/11/2023

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DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

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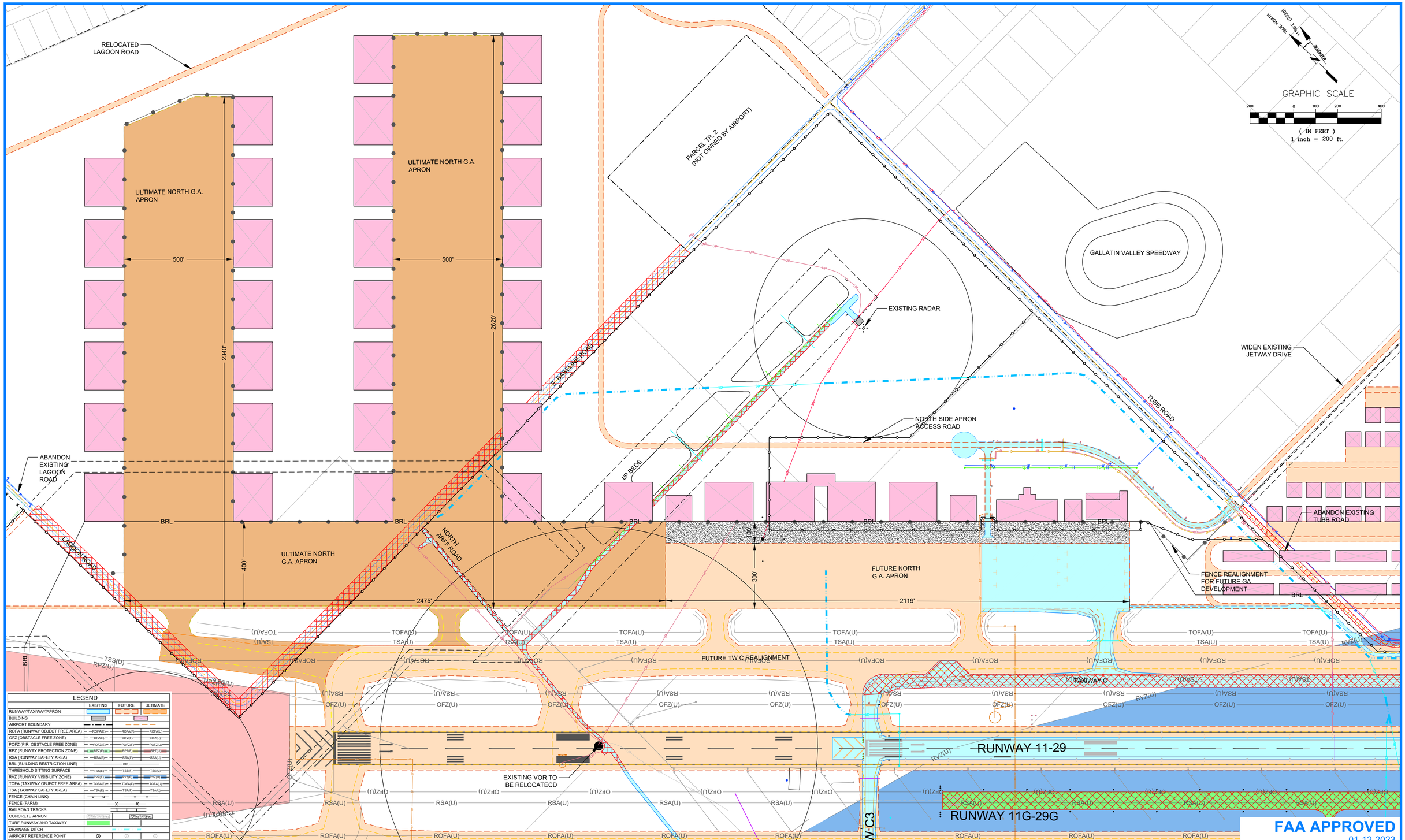
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

GENERAL AVIATION AREA

PROJECT NUMBER 0761.000

DRAWING NUMBER 14/21



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APPR. BY: MJM
DATE: 11/2022

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BY: STB
DATE: 11/2022

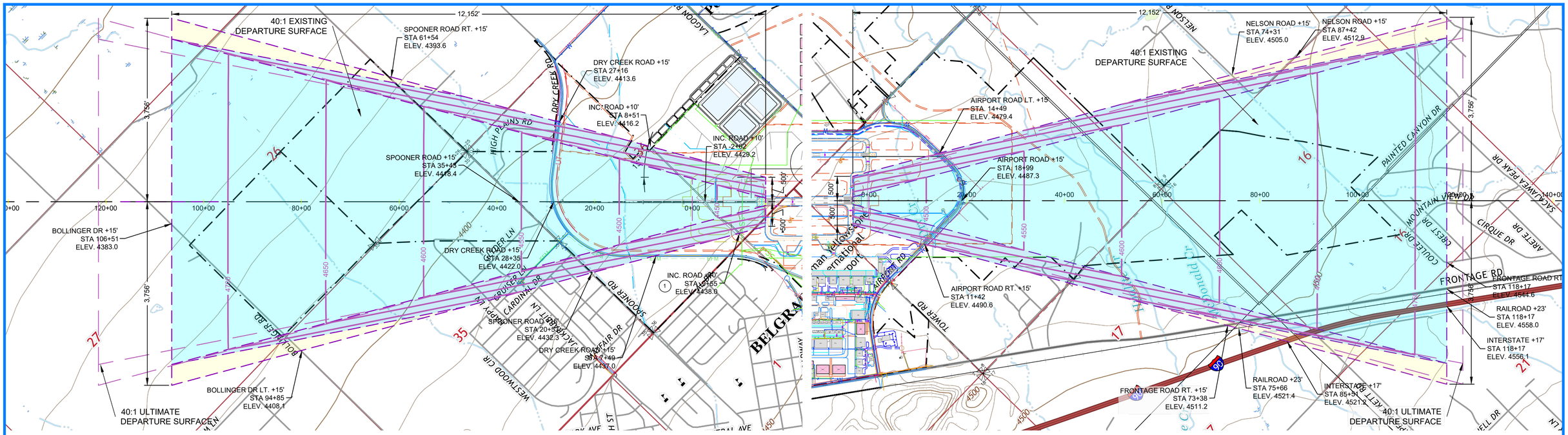
BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE

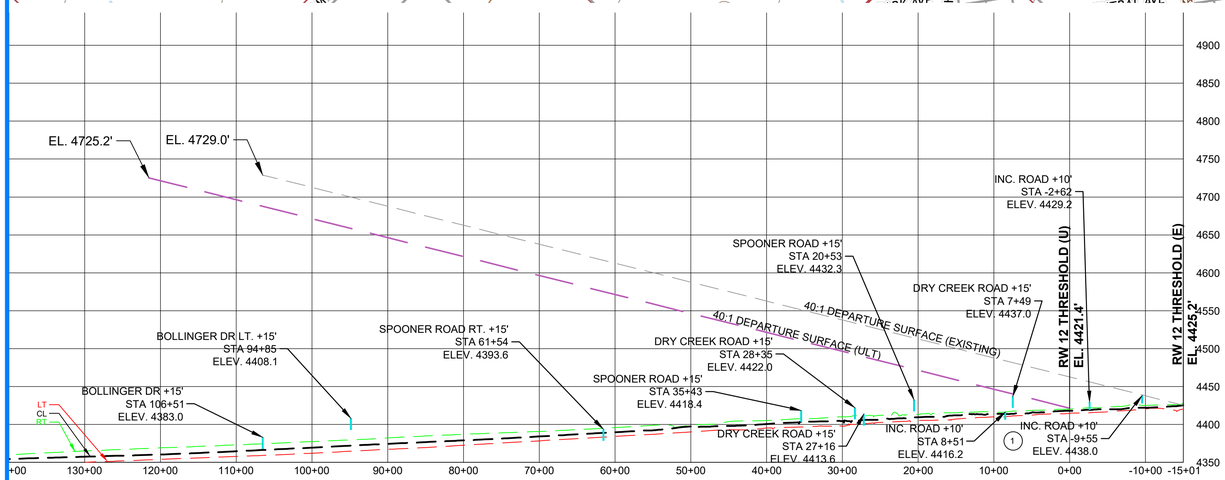
BELGRADE MONTANA

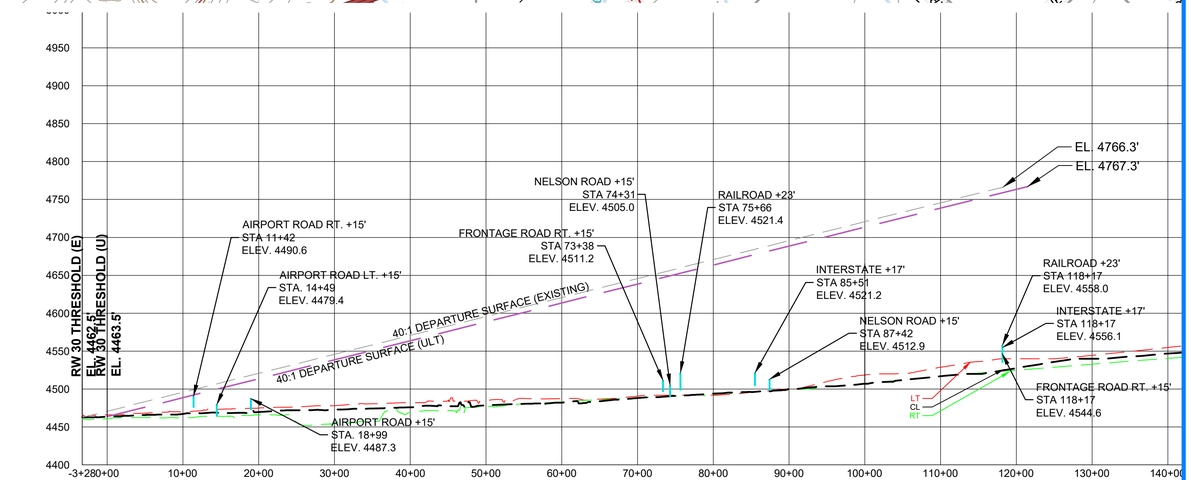
NORTH SIDE GA LAYOUT

PROJECT NUMBER
0761.000

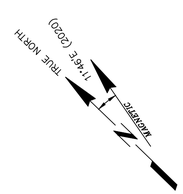
DRAWING NUMBER
15/21







LEGEND	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			



GRAPHIC SCALE

1000 0 500 1000 2000

(IN FEET)
1 inch = 1000 ft.

OBSTRUCTION TABLE			
NO.	OBSTRUCTIONS	SURFACE PENETRATIONS	DISPOSITION
1	SERVICE ROAD +10'	PENETRATES APPROACH SURFACE 3.4'	NONE
2			

NOTE: ROADWAY ELEVATIONS DERIVED FROM USGS DIGITAL ELEVATION MODEL (DEM), NOT SURVEY.

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APPR. BY: MJM
DATE: 11/2022

Q.C. REVIEW BY: STB
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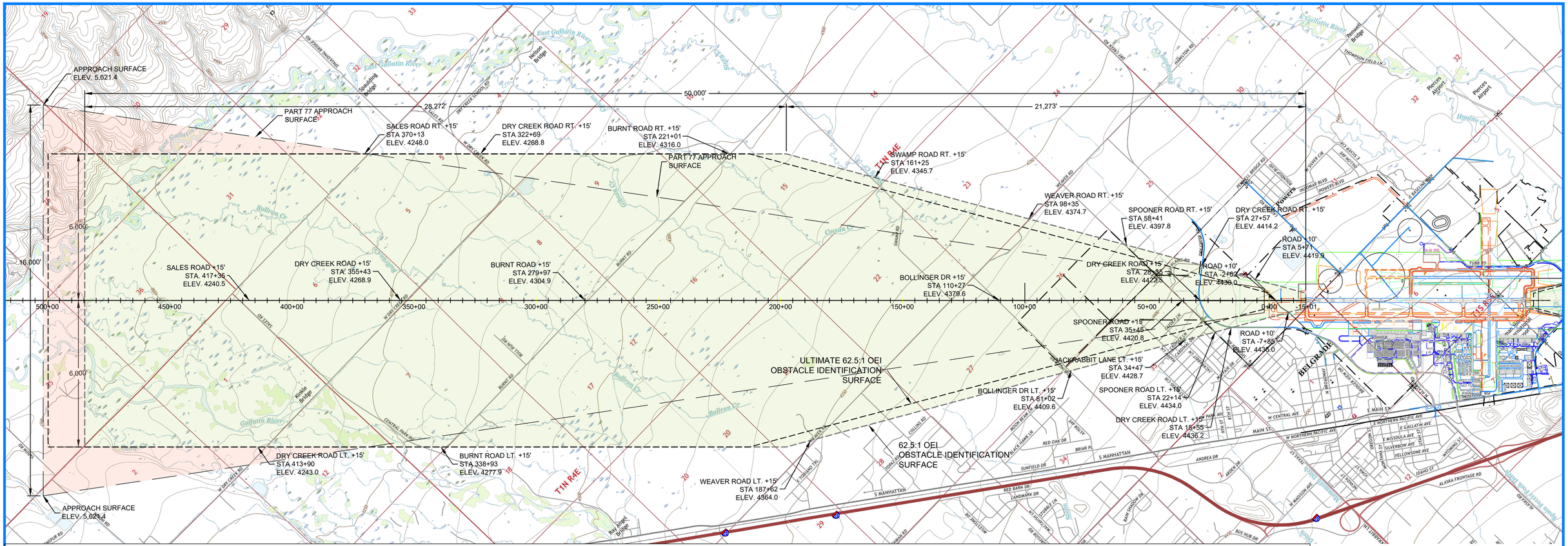
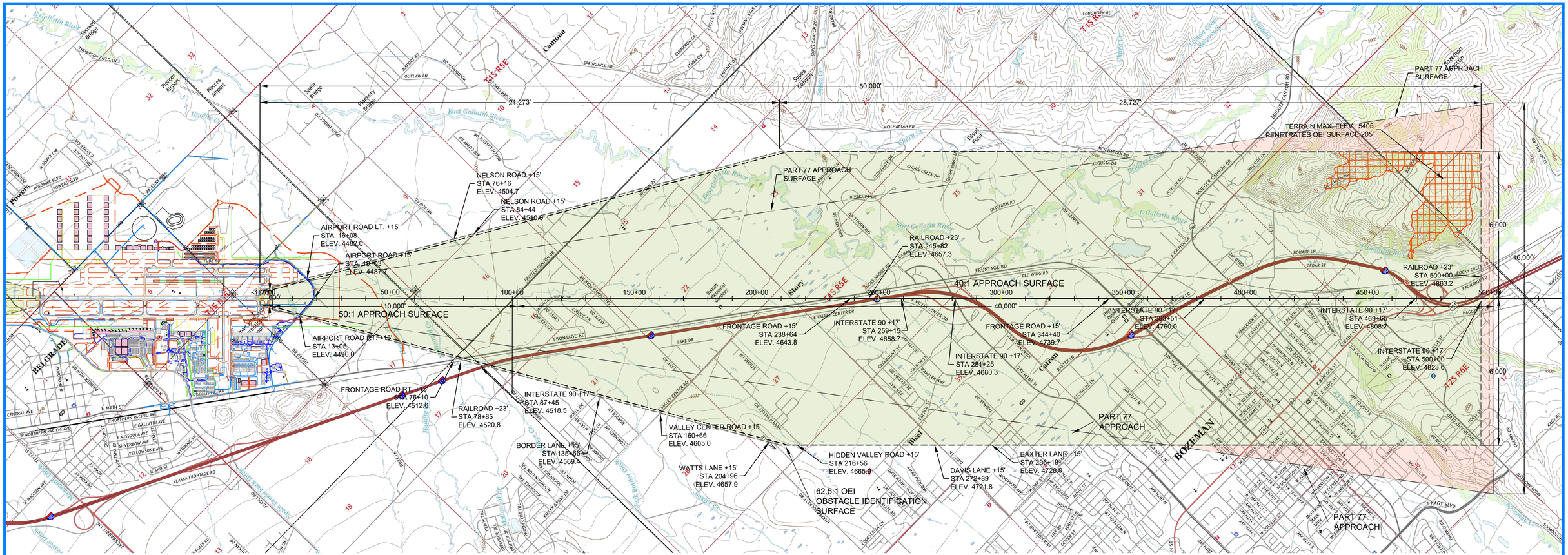
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

RUNWAY 12-30 DEPARTURE SURFACE DRAWING

PROJECT NUMBER 0761.000

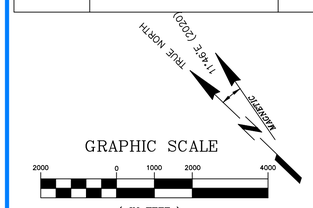
DRAWING NUMBER 16/21


APPROACH SURFACE
ELEV. 5,621.4
50,000'
28,272'
21,273'
PART 77 APPROACH SURFACE
SALES ROAD RT. +15'
STA 370+13
ELEV. 4248.0
DRY CREEK ROAD RT. +15'
STA 322+69
ELEV. 4268.8
BURNT ROAD RT. +15'
STA 221+01
ELEV. 4316.0
PART 77 APPROACH SURFACE
SWAMP ROAD RT. +15'
STA 161+25
ELEV. 4345.7
WEAVER ROAD RT. +15'
STA 98+35
ELEV. 4374.7
SPOONER ROAD RT. +15'
STA 58+41
ELEV. 4397.8
DRY CREEK ROAD RT. +15'
STA 27+57
ELEV. 4414.2
ROAD +10'
STA 5+71
ELEV. 4419.9
ROAD +10'
STA -2+62
ELEV. 4430.0
DRY CREEK ROAD +15'
STA. 28+35
ELEV. 4422.5
SALES ROAD +15'
STA. 417+35
ELEV. 4240.5
DRY CREEK ROAD +15'
STA. 355+43
ELEV. 4268.9
BURNT ROAD +15'
STA 279+97
ELEV. 4304.9
BOLLINGER DR +15'
STA 110+27
ELEV. 4379.6
SPOONER ROAD +15'
STA 35+45
ELEV. 4420.8
ROAD +10'
STA -7+85
ELEV. 4436.0
JACKRABBIT LANE LT. +15'
STA 34+47
ELEV. 4428.7
ULTIMATE 62.5:1 OEI
OBSTACLE IDENTIFICATION
SURFACE
BOLLINGER DR LT. +15'
STA 81+02
ELEV. 4409.6
SPOONER ROAD LT. +15'
STA 22+14
ELEV. 4434.0
DRY CREEK ROAD LT. +15'
STA 15+55
ELEV. 4436.2
62.5:1 OEI
OBSTACLE IDENTIFICATION
SURFACE
DRY CREEK ROAD LT. +15'
STA 413+90
ELEV. 4243.0
BURNT ROAD LT. +15'
STA 338+93
ELEV. 4277.9
WEAVER ROAD LT. +15'
STA 187+62
ELEV. 4364.0
APPROACH SURFACE
ELEV. 5,622.4
16,000'
6,000'
6,000'
500+00
450+00
400+00
350+00
300+00
250+00
200+00
150+00
100+00
50+00
0+00
-15+01
T1N R4E
T1N R4E
BELGRADE
Bozeman Yellowstone Int'l Airport
Pierces Airport
Spaulding Bridge
Nelson Bridge
Kiddie Bridge
Ray Angel Bridge
Dunwell Bridge
East Gallatin River
Gallatin River
Bullrun Cr.
Cottonwood Cr.
Hyalite Cr.
Baxter Creek
Sourdough Creek
Bridger Creek
Rocky Mountains
Bozeman Yellowstone Int'l Airport
Runway 12/30
Runway 4/22
Runway 11/29
Runway 3/21
Runway 7/25
Runway 8/26
Runway 9/27
Runway 10/28
Runway 5/23
Runway 6/24
Runway 13/31
Runway 14/32
Runway 15/33
Runway 16/34
Runway 17/35
Runway 18/36
Runway 19/37
Runway 20/38
Runway 21/39
Runway 22/40
Runway 23/41
Runway 24/42
Runway 25/43
Runway 26/44
Runway 27/45
Runway 28/46
Runway 29/47
Runway 30/48
Runway 31/49
Runway 32/50
Runway



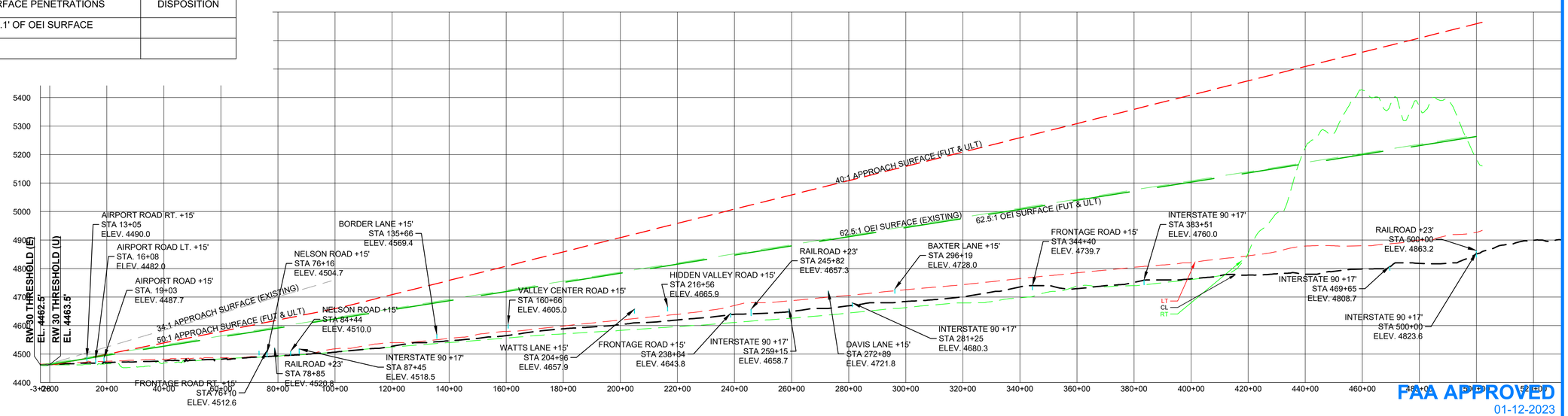
OBSTRUCTION TABLE

NO.	OBSTRUCTIONS	SURFACE PENETRATIONS	DISPOSITION
1	AIRPORT ROAD	2.1' OF OEI SURFACE	



LEGEND

	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR. OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)		BRL	
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			



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N:\0761\ALP\ACAD\SHEETS\0761-ALP_18 RUNWAY 12 OEI.DWG PLOTTED BY:DEAN SQUIRES ON Jan/11/2023

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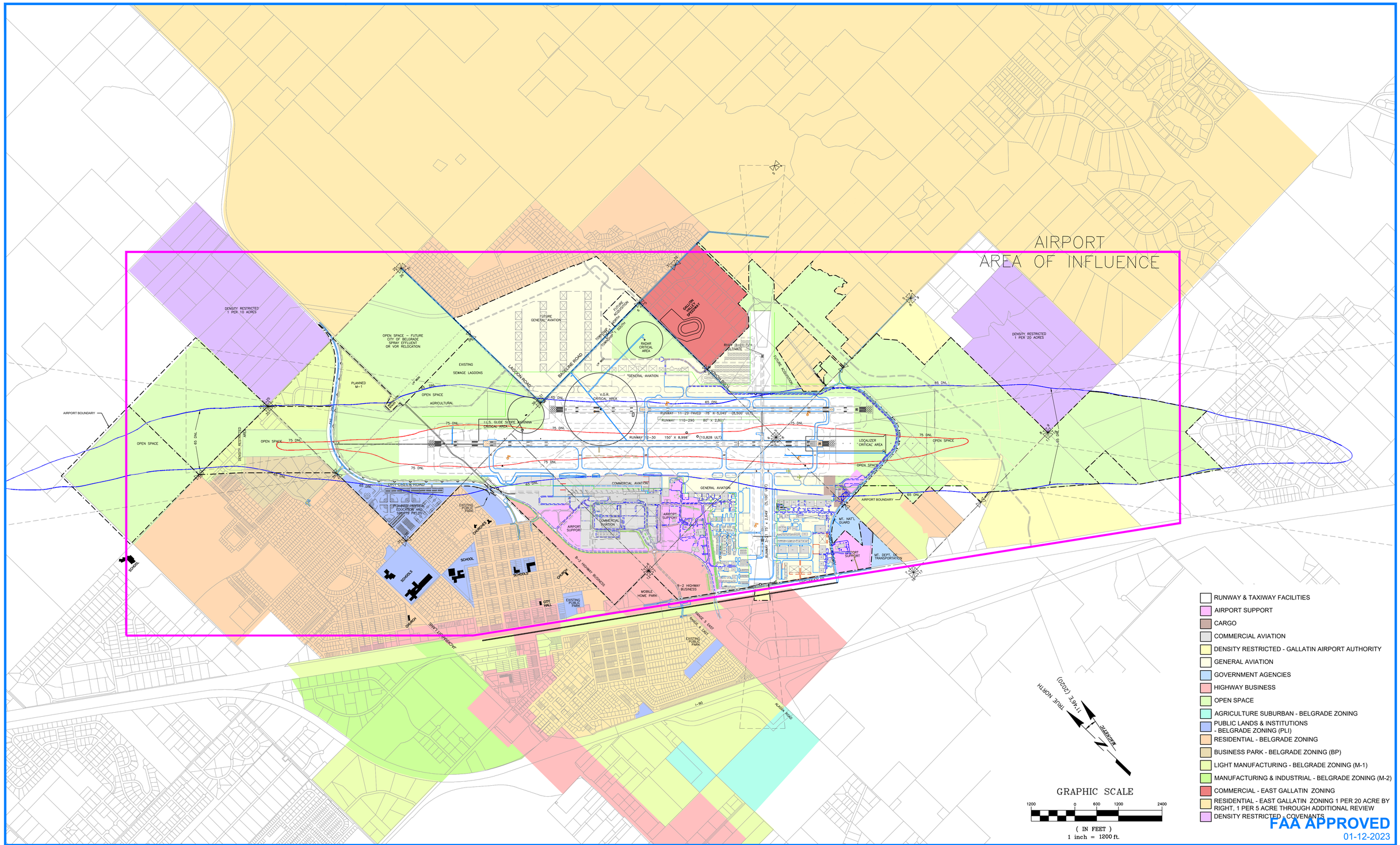
BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

RUNWAY 30 APPROACH & RUNWAY 12 ONE ENGINE INOPERATIVE (OEI)

PROJECT NUMBER 0761.000

DRAWING NUMBER 18/21



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Q.C. REVIEW BY: STB
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BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT

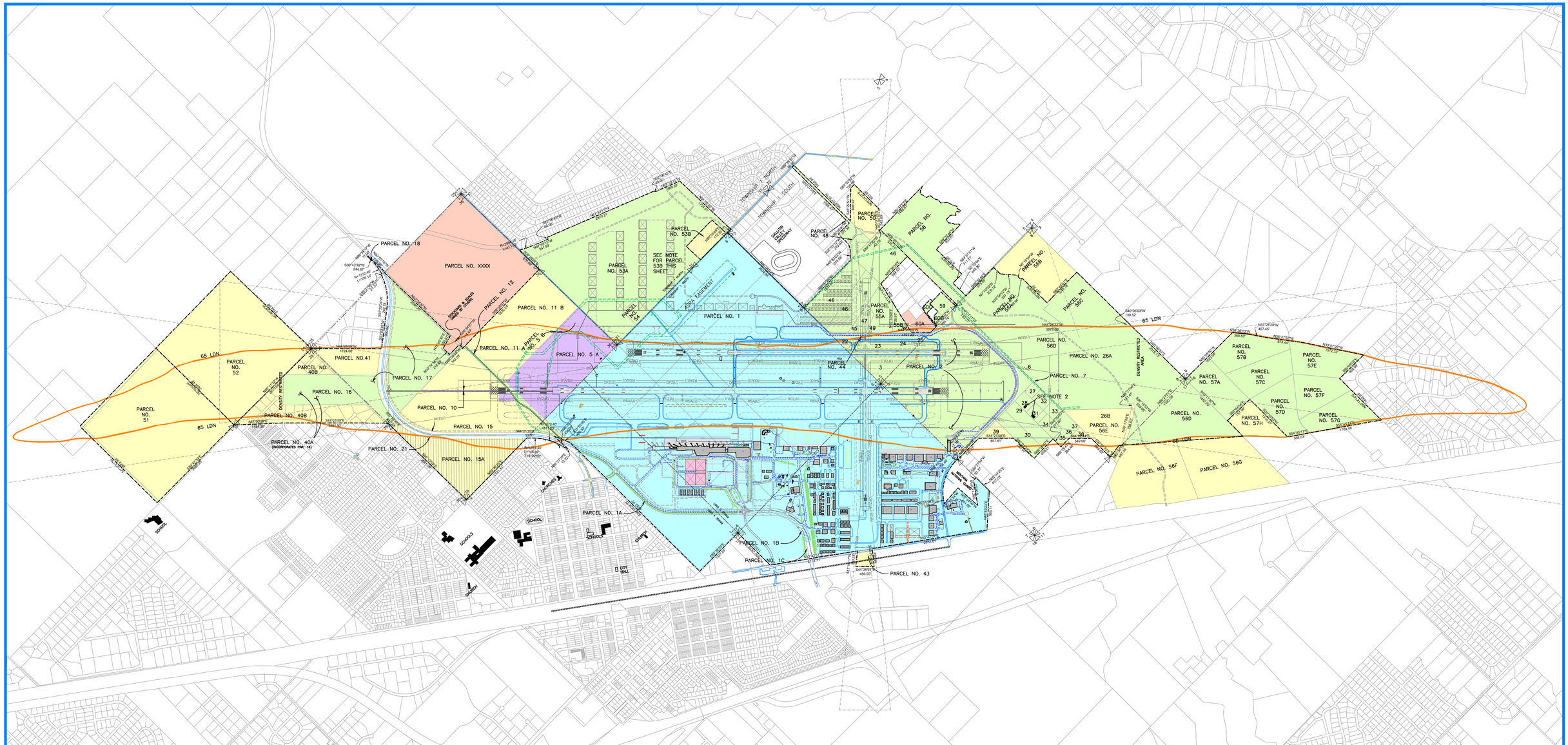
2020 AIRPORT MASTER PLAN UPDATE

BELGRADE MONTANA

LAND USE PLAN

PROJECT NUMBER
0761.000

DRAWING NUMBER
19/21



LEGEND

- AIRPORT PROPERTY
- LANDS ACQUIRED PRIOR TO MAY 13, 1946 BY FEE
- PROPOSED LAND ACQUISTION
- LANDS ACQUIRED BY FEE
- LANDS THROUGH EASEMENTS
- LANDS BY LEASE

NOTE:

1) PARCEL 53B IS CURRENTLY COVERED BY AN EASEMENT, CROSS HATCH DENOTES FUTURE ACQUISITION OF THIS PARCEL.
2) BUILDINGS ON PARCELS 28 AND 31 WILL BE REMOVED WHEN RUNWAY 30 RPZ REACHES ITS ULTIMATE SIZE AT NO COST TO THE FAA.
3)SEE DATA TABLE SHEET 19 FOR PARCEL 15A.

TRUE NORTH
1°46'E (2020)
MAGNETIC

GRAPHIC SCALE

1200 0 600 1200 2400

(IN FEET)
1 inch = 1200 ft.

LEGEND	EXISTING	FUTURE	ULTIMATE
RUNWAY/TAXIWAY/APRON			
BUILDING			
AIRPORT BOUNDARY			
ROFA (RUNWAY OBJECT FREE AREA)	ROFA(E)	ROFA(F)	ROFA(U)
OFZ (OBSTACLE FREE ZONE)	OFZ(E)	OFZ(F)	OFZ(U)
POFZ (PIR OBSTACLE FREE ZONE)	POFZ(E)	POFZ(F)	POFZ(U)
RPZ (RUNWAY PROTECTION ZONE)	RPZ(E)	RPZ(F)	RPZ(U)
RSA (RUNWAY SAFETY AREA)	RSA(E)	RSA(F)	RSA(U)
BRL (BUILDING RESTRICTION LINE)	BRL		
THRESHOLD SITTING SURFACE	TSS(E)	TSS(F)	TSS(U)
RVZ (RUNWAY VISIBILITY ZONE)	RVZ(E)	RVZ(F)	RVZ(U)
TOFA (TAXIWAY OBJECT FREE AREA)	TOFA(E)	TOFA(F)	TOFA(U)
TSA (TAXIWAY SAFETY AREA)	TSA(E)	TSA(F)	TSA(U)
FENCE (CHAIN LINK)			
FENCE (FARM)			
RAILROAD TRACKS			
CONCRETE APRON			
TURF RUNWAY AND TAXIWAY			
DRAINAGE DITCH			
AIRPORT REFERENCE POINT			
PAVEMENT/TURF REMOVAL			

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11/11/2022

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APPR. BY: MJM
DATE: 11/2022

Q.C. REVIEW BY: STB
DATE: 11/2022

BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE

BELGRADE MONTANA

AIRPORT PROPERTY MAP - EXHIBIT 'A'

PROJECT NUMBER
0761.000

DRAWING NUMBER
20/21

	DESCRIPTION	RECORDING INFORMATION	AREA	PURCHASED UNDER
PARCEL NO.	1 (FEE)			
	All of Section 6, T1S, R5E including county road 30'wide along north and east sides (W1/2 Sec. 6: WJTD#31664; BK 84, PG 480; 289.41 ac. portion of Parcel #1).	WD #31664, BK 93, Pg 185 From George Van Hoorn to City of Bozeman		June 24, 1940 (No Federal Monies)
	All of Section 7, T1S, R5E North of U.S. Highway No. 10 R/W including county road 30' wide along east side and portion of north side as shown (WD #59884; BK 93, PG 185; 331.68 ac. portion of Parcel No. 1).	WD #59884, BK 93, Pg 185 From City of Bozeman to Gallatin County		September 7, 1945 (No Federal Monies)
	East 1/2 of the East 1/2 of Section 1, T1S, R4E, (E1/2, SE1/4 Sec. 1; WD #31664; BK 84, PG 480; 80.00 ac. portion of Parcel No. 1).	WD #31664, BK 93, Pg 185 From George Van Hoorn to City of Bozeman		December 28, 1940 (No Federal Monies)
	Buildings and other improvements subject to existing agreements by City of Bozeman with U.S. Government with regards to operation & maintenance of Airport, radio range station site, aeronautics communication stations	Film #17, Pg 1221-City of Bozeman & Gallatin County to Gallatin Airport Authority.		February 1, 1973 (No Federal Monies)
	Agreement between Gallatin County and City of Bozeman and G.M. & Alva Lowe, Vernon S. & Jesse A. Sande for easement of land owners in Section 3 to an irrigation ditch (Spain-Ferris) across airport lands as currently constructed, BK 19, P-230.		1,114.81 Ac. (total)	
PARCEL NO.	1A (EASEMENT FROM GALLATIN AIRPORT AUTHORITY TO DEPARTMENT OF HIGHWAYS)			
	Portion of Section 1, T1S, R5E & Section 6, T1S, R5E	Doc # 2524943	13.04 Arces	September 15, 2015 (No Federal Monies)
PARCEL NO.	1B (EASEMENT FROM GALLATIN AIRPORT AUTHORITY TO MONTANA DOT)			
	Portion of Section 6, T1S, R5E & Section 7, T1S, R5E	Doc # 2449318	6.92 Arces	May 9, 2013 (No Federal Monies)
PARCEL NO.	1C (FEE SALE FROM GALLATIN AIRPORT AUTHORITY TO MONTANA DOT)			
	Portion of Section 7, T1S, R5E	Doc # 2449319	4.45	May 9, 2013 (No Federal Monies)
PARCEL NO.	2 (FEE)			
	All of NW1/4 Section 8, T1S, R5E, including county road 30' wide along north side as shown along with 80 shares of Spain Ferris Ditch Co. water rights and 153 inches M.M. of the irrigation waters out of the Beck and Border Ditch.	Film 17, Page 1221 From City of Bozeman & Gallatin County to Gallatin Airport Authority		February 1, 1973 (No Federal Monies)
PARCEL NO.	3 (FEE)			
	Portion of the SW1/4 of the SW1/4 of Section 5, T1S, R5E, including vacated county road R/W's on all sides as shown.	Film 17, Page 1221 From City of Bozeman & Gallatin County to Gallatin Airport Authority	14.53 Acres	February 1, 1973 (No Federal Monies)
PARCEL NO.	4 (EASEMENT LEASE)			
	Clear Zone Easement, portion S1/2 Section 36, T1N, R4E, leased by State of Montana to Airport. Lease expires 2059 A.D. (over portions of and incorporated into subsequent parcels No. 5, 10, 11, 12, 14, 15, 20 & 21).	Film 17, Page 1215 From City of Bozeman & Gallatin County to Gallatin Airport Authority	50:1 Slope	February 1, 1973 (No Federal Monies)
PARCEL NO.	5 A, B (LEASE)			
	S1/2 of the SE1/4 Section 36, T1N, R4E leased by State of Montana to Airport. Lease expires 2059 A.D.	Film 17, P-1215, 1216 R/W Application #4950 R/W Deed #D-4258 BK 138, PG 421 corr. From City of Bozeman & Gallatin County to Gallatin Airport Authority		February 1, 1973 (No Federal Monies)
PARCEL NO.	5 B (LEASE) TO CITY OF BELGRADE FROM GALLATIN AIRPORT AUTHORITY			
	Portion of SW 1/4 Section 36, T1N, R4E sewer line easement to City of Belgrade. (Known as Parcel No. 20 on previous Exhibit A's).	Film 33 Pg 198, 199; I & III, City of Belgrade Sewer, Line easement for 12" sewer line 30' wide Gallatin Airport Authority to City of Belgrade	2.55 Acres	ADAP 8-30-0010-08
PARCEL NO.	6 (EASEMENT)			
	Clear Zone Easement, portion of SW1/4 of the NE1/4 Section 8, T1S, R5E, (incorporated into Parcel 26A under ADAP 08).	Film 17, Page 1223 From City of Bozeman & Gallatin County to Gallatin Airport Authority	50:1 Slope (4.69 Ac)	February 1, 1973 (No Federal Monies)
PARCEL NO.	7 (EASEMENT)			
	Clear Zone Easement, portion NW1/4 SE1/4 Section 8, T1S, R5E, (incorporated into Parcel 26A under ADAP 08).	Film 17, Page 223 (Parcel No. 1) From City of Bozeman & Gallatin County Gallatin Airport Authority	50:1 Slope (0.12 Ac)	February 1, 1973 (No Federal Monies)
PARCEL NO.	8 (EASEMENT)			
	Clear Zone Easement, portion of NE1/4 of the SW1/4 Section 8, T1S, R5E, (over portions of & incorporated under Parcels 27, 28, 29, 30, 31, & 32).	Film 17, Page 1218 (Parcel No. 3) From City of Bozeman & Gallatin County to Gallatin Airport Authority	50:1 Slope (13.89 Ac)	February 1, 1973 (No Federal Monies)
PARCEL NO.	9 (EASEMENT)			
	Clear Zone Easement, portion of SW1/4 Section 36, T1N, R4E leased by State of Montana to Airport, lease expires 2059 A.D. (over portions of and incorporated into subsequent Parcels 10, 15, & 17).	Film 5 Pg. 1203 R/W Deed #D-5827 State of Montana to Gallatin Airport Authority	50:1 Slope (25.2. Ac)	(No Federal Monies)
PARCEL NO.	10 (EASEMENT LEASE)			
	Portion of SW1/4 Section 36, T1N, R4E, Perpetual lease from State of Montana to the Airport.	Film 17 Pg. 1222 City of Bozeman and Gallatin County to Gallatin Airport Authority	4.79 Acres	February 1, 1973 (No Federal Monies)
PARCEL NO.	11 A, B (EASEMENT)			
	N1/2 SE1/4 Section 36, T1N, R4E, except R/W of original site for FAS 290 along west side. (Parcels #11 & 15 = 235.21 ac. total).	Film 20 Pg 738 R/W Appl. #6933 R/W Deed #D-6251 Corr. From State of Montana to Gallatin Airport Authority		July 9, 1973 (No Federal Monies)
PARCEL NO.	11 B (EASEMENT) TO CITY OF BELGRADE FROM GALLATIN AIRPORT AUTHORITY			
	All of NE1/4 of the SE1/4 Section 36, T1N, R4E, dedicated to City of Belgrade for sewage lagoons, (known as Parcel No. 19 on previous Exhibit A's).	Film 33 Pg 199; II City of Belgrade Sewage Lagoon Plat Gallatin Airport Authority to City of Belgrade	42.26 Acres	
PARCEL NO.	12 (FEE)			
	Portion of S1/2 Section 36, T1N, R4E comprising all of the R/W of the original site of FAS 290.	Abandoned petition #6945 10/10/79		ADAP 8-30-0010-02
PARCEL NO.	13 (FEE)			
	Portion of NE1/4 of Section 1, T1S, R4E being the North portion of existing FAS 290 R/W along the east side.	Film 32 Pg. 2368 Dept. of Highway to Gallatin Airport Authority	3.9 Acres	ADAP 8-30-0010-02
PARCEL NO.	14 (FEE)			
	Portion of NE1/4 Section 1, T1N, R4E as shown.	Film 32 Pg 2355 Dept. of Highway to Gallatin County Authority	2.6 Acres	ADAP 8-30-0010-02
PARCEL NO.	15 (EASEMENT)			
	All of the SW1/4 Section 36, T1N, R4E except Parcel No. 10 and excepting original site of FAS 290 R/W along the east side and Parcel 15A. (Parcel #11 & 15 =179.75 ac. total).	Film 20 Pg 738 R/W Appl. #6933 R/W Deed #D6251 corr. State of Montana to Gallatin Airport Authority	179.75 Acres	July 9, 1973 ADAP 8-30-0010-02
PARCEL NO.	15A (EASEMENT)			
	Portion of the Parcel 15 above in the SW 1/4 Section 36, T1N,R5E lying south and west of Drycreek Road. Right of way easement was given to the City of Belgrade and the Belgrade School District for the construction of Youth Sports Fields	Doc # 2328083 State of Montana to City of Belgrade & Belgrade School District.	55.46 Acres	Released and Reimbursed FAA under AIP 3-30-0010-040
PARCEL NO.	16 (EASEMENT)			
	Portion of the East 1/2 of the NE1/4, Section 35, T1N, R4E, as shown, (incorporated into Parcel 40A under ADAP			ADAP 8-30-0010-02
PARCEL NO.	17 (FEE)			
	Portion of the NW1/4, Section 36, T1N, R4E, as shown.	Film 25 Pg 711, COS #52m Tr.A	97.40 Acres (incl. FAS 290)	ADAP 8-30-0010-02
PARCEL NO.	18 (FEE)			
	- Portion of the SE1/4 of the SE1/4 of the SW1/4 Section 25, T1N, R4E, being the proposed R/W of relocated FAS 290 along the east side.	Cos #52, Tract B Film 25 Pg 712	0.51 Acres	ADAP 8-30-0010-02
NO PARCELS 19 & 20				
PARCEL NO.	21 (EASEMENT FROM GALLATIN AIRPORT AUTHORITY TO DEPARTMENT OF HIGHWAYS)			
	Portion of the west 1/2 Section 36, T1N, R4E being a strip of land comprising the relocated FAS 290 R/W, 80' right and 80' left of the centerline.	Film 32, Pg 1757	29.33 Acres	Dedicated to MDH in exchange for Parcels 12&13 under ADAP 02
PARCEL NO.	22 (FEE)			
	Portion of SW1/4 Section 5, T1S, R5E.	Portion of Tract #345A of COS #311I	1.62 Acres	ADAP 8-30-0010-08
PARCEL NO.	23 (FEE)			
	Portion of SW1/4 Section 5, T1S, R5E.	Portion of Tract #345A of COS #311I	12.596 Acres	ADAP 8-30-0010-08
PARCEL NO.	24 (FEE)			
	Portion of SW1/4 Section 5, T1S, R5E.	Portion of Tract #345A of COS #311I	6.259 Acres	ADAP 8-30-0010-08
PARCEL NO.	25 (FEE)			
	Portion of SW1/4 Section 5, T1S, R5E.	Portion of Tract #345A of COS #311I	1.582 Acres	No Federal Money
PARCEL NO.	26 A (FEE)			
	Portions of NE1/4 and SE1/4 Section 8, T1S, R5E.	Film 83 Pg 3129 Film 69 Pg 2181	129.956 Acres	ADAP 8-30-0010-02
PARCEL NO.	26 B (EASEMENT**)			
	Portion of SE1/4 of Section 8, T1S, R5E.	Film 83 Pg 3129	59.746 Acres	AIP 3-30-0010-02

	DESCRIPTION	RECORDING INFORMATION	AREA	PURCHASED UNDER
PARCEL NO.	27 (FEE)			
	Portion of SW1/4 of Section 8 T1S, R5E.	Film 75 Pg 1441, COS #45A, 1983 Schreiber to Gallatin Airport Authority	2.00 Acres	AIP 3-30-0010-01 April 6, 1983
PARCEL NO.	28 (FEE) (EASEMENT)**	portion of COS #45B Doc.#2175649 (FEE)	3.027 Acres	AIP 3-30-0010-30
	Portion of SW1/4 of Section 8, T1S, R5E.	Film 70 Pg 1006 (portion of COS #45B) Crane to Gallatin Airport Authority (EASEMENT**)	4.69 Acres	ADAP 8-30-0010-08
PARCEL NO.	29 (FEE)			
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Film 72 Pg 765 (Easement Sale) Olsen to Gallatin October 8, 1982 Airport Authority	2.00 Acres	ADAP 8-30-0010-08 No Fed. Money
PARCEL NO.	30 (FEE)			
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Film 84, Pg 806	18.295 Acres	AIP 3-30-0010-02
PARCEL NO.	31 (FEE) (EASEMENT**)		2.054 Acres	AIP 3-30-0010-31
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Doc # 2216947 (Portion of COS #45F)	2.054 Acres	ADAP 8-30-0010-08 June 22, 1982
PARCEL NO.	31 (EASEMENT**)			
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Film 70 Pg 1011 (Portion of COS #45F) Witt to Gallatin Airport Authority	2.054 Acres	ADAP 8-30-0010-08 June 22, 1982
PARCEL NO.	32 (FEE)			
	Portion of SE1/2 of SW1/4 Section 8, T1S, R5E.	Film 75, Pg 1441	3.08 Acres	ADAP 8-30-0010-08
PARCEL NO.	33 (FEE)			
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Film 84 Pg 806 COS #45J Thomson to Gallatin Airport Authority	5.08 Acres	AIP 3-30-0010-02 August 14, 1984
PARCEL NO.	34 (FEE)			
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Film 78 Pg 2783 COS #45B Brents to Gallatin Airport Authority	5.082 Acres	AIP 3-30-0010-02 September 13, 1983
PARCEL NO.	35 (FEE)			
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Film 84 Pg 806 COS #45J Thomson to Gallatin Airport Authority	2.125 Acres	AIP 3-30-0010-02 August 14, 1984
PARCEL NO.	36 (FEE)			
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Film 84 Pg 806 COS #45J Thomson to Gallatin Airport Authority	1.062 Acres	AIP 3-30-0010-02 August 14, 1984
PARCEL NO.	37 (FEE)			
	Portion of E1/2 of SW1/4 Section 8, T1S, R5E.	Film 84 Pg 806 COS #45J Thomson to Gallatin Airport Authority	1.063 Acres	AIP 3-30-0010-08
PARCEL NO.	38 (EASEMENT)**			
	Portion of E1/2 of SW1/4 Section 8 T1S, R5E.	Film 69 Pg 2119 Erickson to Gallatin Airport Authority	1.745 Acres	ADAP 8-30-0010-08
PARCEL NO.	39 (EASEMENT)**			
	Portion of W1/2 of SW1/4 Section 8 T1S, R5E.	Film 72 Pg 765 (GAA Survey, by way of representation and not valid for land sale) Olsen to Gallatin Airport Authority	4.258 Acres	ADAP 8-30-0010-08
PARCEL NO.	40 A (FEE)			
	Portion of NE1/4 of SW1/4 Section 35, T1N, R4E.	Film 77, Pg 88, 177 COS #729, 729A	29.326 Acres	ADAP 8-30-0010-09
PARCEL NO.	40 B (EASEMENT)**			
	Portion of NE1/4 of SW1/4 Section 35, T1N, R4E.	Film 77, Pg 88, 177 COS #729, 729A	49.428 Acres	ADAP 8-30-0010-09
PARCEL NO.	41 (EASEMENT)**			
	Portion of NE1/4 of SW1/4 Section 36, T1N, R4E.	Film 69 Pg 2131 Graf to Gallatin Airport Authority	21.280 Acres	ADAP 8-30-0010-08
PARCEL NO.	43 (EASEMENT)**			
	Portion of SW1/4 of Section 7, T1S, R5E.	Film 87 Pg 3068, Film 86 Pg 583	3.35 Ac.(BNNR) 0.52 Ac.(MDH)	AIP 03-30-0010-05
PARCEL NO.	44 (EASEMENT)**			
	Portion of SW1/4 of Section 5, T1S, R5E	Film 94 Page 1597	0.620 Ac.(GC)	AIP 03-30-0010-06
PARCEL NO.	45 (FEE)			
	Portion of the SW1/4 of Section 5, T1S, R5E	Cos #311J, Tract 4-B2, Film 165 Page 2546 From Chris & Judy Bone to Gallatin Airport Authority	1.03 Acres	AIP 3-30-0010-18
PARCEL NO.	46 (FEE)			
	Portion of the SW1/4 of Section 5, T1S, R5E	Cos #311A, Tract 1 & 2 COS #311I, Tract 3-A2 Film 164 Page 2914 From Gothenburg Livestock, Inc. to Gallatin Airport Authority	62.67 Acres	AIP 3-30-0010-18 April 19, 1996
PARCEL NO.	47 (FEE)			
	Portion of the SW1/4 SW1/4 of Section 5, T1S, R5E	Minor Subdivision #59, Tract 1 Film 167 Page 2385 From Charles E. & Judy M. Martin to Gallatin Airport Authority	3.97 Acres	AIP 3-30-0010-18 October 10, 1996
PARCEL NO.	48 (FEE)			
	Portion of Section 5, T1S, R5E	Tract A of Cos #1982 Tract A-1A of Cos #1982C, Doc. #2231553, 2231554	3.617 Acres 6.504 Acres	AIP 3-30-0010-18 AIP 3-30-0010-31
PARCEL NO.	49 (FEE)			
	Portion of the SW1/4 SW1/4 of Section 5, T1S, R5E	Tract 2 Minor Sub. No. 59 Cos #311I, Tract 4-a2 From Steven L. & Sandra L. Jones to Gallatin Airport Authority	2.50 Acres	AIP 3-30-0010-18 September 30, 1997
PARCEL NO.	50 (EASEMENT)			
	Portion of the N1/2 of Section 5, T1S, R5E	Part of Tract 7, Cos #1762, Film 178, Page 40	14.57 Acres	AIP 3-30-0010-18
PARCEL NO.	51 (DEVELOPMENT RIGHTS / CLEAR ZONE EASEMENT)			
	SW 1/4 Section 26. T1N, R4E	SW 1/2 Section 26. T1N, R4E, Doc. #2230734	160 acres	Local Funds June 9, 2006
PARCEL NO.	52 (DEVELOPMENT RIGHTS / CLEAR ZONE EASEMENT)			
	SE 1/4 Section 26. T1N, R4E	SW 1/2 Section 26. T1N, R4E, Doc. #2230734	160 acres	Local Funds June 9, 2006
PARCEL NO.	53 A (FEE)			
	Portion of Section 31, T1N, R5E	Tract 1 of Cos #2406, Doc. #2127430	217.17 Acres	AIP 3-30-0010-30
PARCEL NO.	53 B (EASEMENT - RIGHT OF FIRST REFUSAL)			
	Portion of Section 31, T1N, R5E	Tract 2 of Cos #2406, Doc. #2127432; 2127433	10.00 Acres	AIP 3-30-0010-25
PARCEL NO.	54 (FEE)			
	Portion of the SW 1/4 Section 31, T1N, R5E	Cos #463, Doc. #2090498	5.00 Acres	AIP 3-30-0010-30
PARCEL NO.	55 A (FEE)			
	Portion of Section 5, T1N, R5E	Tract 2A, Minor Sub. 59A, Doc. #2497771	12.50 Acres	Local Funds
PARCEL NO.	55 B (FUTURE)			
	Portion of Section 5, T1N, R5E	Tract 5-A2A, Minor Sub. 59A, Doc. #2497771	3.84 Acres	Local Funds
PARCEL NO.	56 A (FEE)			
	Portion of East 1/2 Section 8, T1S, R5E	Tract 1, COS 2919, Doc. #2564404	52.83 Acres	Local Funds
PARCEL NO.	56 B (EASEMENT)			
	Portion of East 1/2 Section 8, T1S, R5E	Tract 2, COS 2919, Doc. #2564404	40.00 Acres	Local Funds
PARCEL NO.	56 C (FEE)			
	Portion of East 1/2 Section 8, T1S, R5E	Tract 3, COS 2919, Doc. #2564404	35.64 Acres	Local Funds
PARCEL NO.	56 D (FEE)			
	Portion of East 1/2 Section 8 & 17, T1S, R5E	Tract 4, COS 2919, Doc. #2564404	218.10 Acres	Local Funds
PARCEL NO.	56 E (EASEMENT)			
	Portion of Section 8 & 17, T1S, R5E	Tract 5, COS 2919, Doc. #2564404	26.80 Acres	Local Funds
PARCEL NO.	56 F (EASEMENT)			
	Portion of Section 17, T1S, R5E	Tract 6, COS 2919, Doc. #2564404	61.55 Acres	Local Funds
PARCEL NO.	56 G (EASEMENT)			
	Portion of Section 17, T1S, R5E	Tract 7, COS 2919, Doc. #2564404	62.10 Acres	Local Funds

	DESCRIPTION	RECORDING INFORMATION	AREA	PURCHASED UNDER
PARCEL NO.	57 A (FEE)			
	Portion of the Section 16, T1S, R5E	Tract TR-1 of Cos 1756B, Doc. #2137118	25.61 Acres	AIP 3-30-0010-25
PARCEL NO.	57 B (FEE)			
	Portion of the Section 16, T1S, R5E	Tract TR-3 of Cos 1756B, Doc. #2137118	26.70 Acres	AIP 3-30-0010-25
PARCEL NO.	57 C (FEE)			
	Portion of the Section 16, T1S, R5E	Tract TR-4 of Cos 1756B, Doc. #2137118	23.97 Acres	AIP 3-30-0010-25
PARCEL NO.	57 D (FEE)			
	Portion of the Section 16, T1S, R5E	Tract TR-5 of Cos 1756B, Doc. #2137118	24.42 Acres	AIP 3-30-0010-25
PARCEL NO.	57 E (FEE)			
	Portion of the Section 16, T1S, R5E	Tract TR-6 of Cos 1756B, Doc. #2137118	25.47 Acres	AIP 3-30-0010-25
PARCEL NO.	57 F (FEE)			
	Portion of the Section 16, T1S, R5E	Tract TR-7 of Cos 1756B, Doc. #2137118	21.25 Acres	AIP 3-30-0010-25
PARCEL NO.	57 G (FEE)			
	Portion of the Section 16, T1S, R5E	Tract TR-21 of Cos 1756B, Doc. #2137118	24.34 Acres	AIP 3-30-0010-25
PARCEL NO.	57 H (EASEMENT)			
	Portion of the Section 16, T1S, R5E	TRACT TR-2 COS 1756B	16.37 Acres	AIP 3-30-0010-25
PARCEL NO.	57 I (EASEMENT)			
	Portion of the Section 16, T1S, R5E	Tracts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21 of Cos 1756, Tracts 20A and 22A of Cos 1756A Tracts , Doc. #2137118	269.45 Acres	AIP 3-30-0010-25
PARCEL NO.	58 (FEE)			
	Portion of Section 5, T1S, R5E	Tract TR-2A of Cos 311R, Doc. #2566767	80.97 Acres	
PARCEL NO.	59 (FUTURE)			
	Portion of Section 5, T1S, R5E	COS 176, Doc. #19705	4.59 Acres	
PARCEL NO.	60A (FUTURE)			
	Portion of Section 5, T1S, R5E	Tract 6-A4 of COS 311L, Doc. #122493	6.53 Acres	
PARCEL NO.	60B (FUTURE)			
	Portion of Section 5, T1S, R5E	Tract 7B-5 of COS 311M, Doc. #129894	1.15 Acres	
PARCEL NO.	60 C (FUTURE)			
	Portion of Section 5, T1S, R5E	Tract 7B-3 of COS 311M, Doc. #129894	1.08 Acres	

* Purchased with no Federal Money to trade for Parcels No. 9, 10, 13, 15 and 16.

** Until Gallatin Field shall be abandoned and shall cease to be used for public airport purposes.

FAA APPROVED
01-12-2023

VERIFY SCALE!

THESE PRINTS MAY BE REDUCED. LINE BELOW MEASURES ONE INCH ON ORIGINAL DRAWING.

MODIFY SCALE ACCORDINGLY!

REVISIONS

NO.	DESCRIPTION	BY	DATE

N:\0761\ALP\ACAD\SHEETS\0761-ALP_21 AIRPORT PROPERTY DESCRIPTIONS.DWG PLOTTED BY:DEAN SQUIRES ON Jan/11/2023

Morrison Maierle
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406.587.0721
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MONTANA REGISTERED PROFESSIONAL ENGINEER
MARK A. MAIERLE
13671 PE
11/11/2022
LICENSED

DRAWN BY: DS
DSGN. BY: JW/JL
APPR. BY: MJM
DATE: 11/2022
Q.C. REVIEW BY: STB
DATE: 11/2022

BOZEMAN YELLOWSTONE INTERNATIONAL AIRPORT
2020 AIRPORT MASTER PLAN UPDATE
BELGRADE MONTANA

AIRPORT PROPERTY MAP - DESCRIPTIONS

PROJECT NUMBER 0761.000

DRAWING NUMBER 21/21

Morrison Maierle

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