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CITY OF BISMARCK
BISMARCK AIRPORT LAYOUT PLAN
 2301 UNIVERSITY DR., BISMARCK, ND 58504

ISSUED

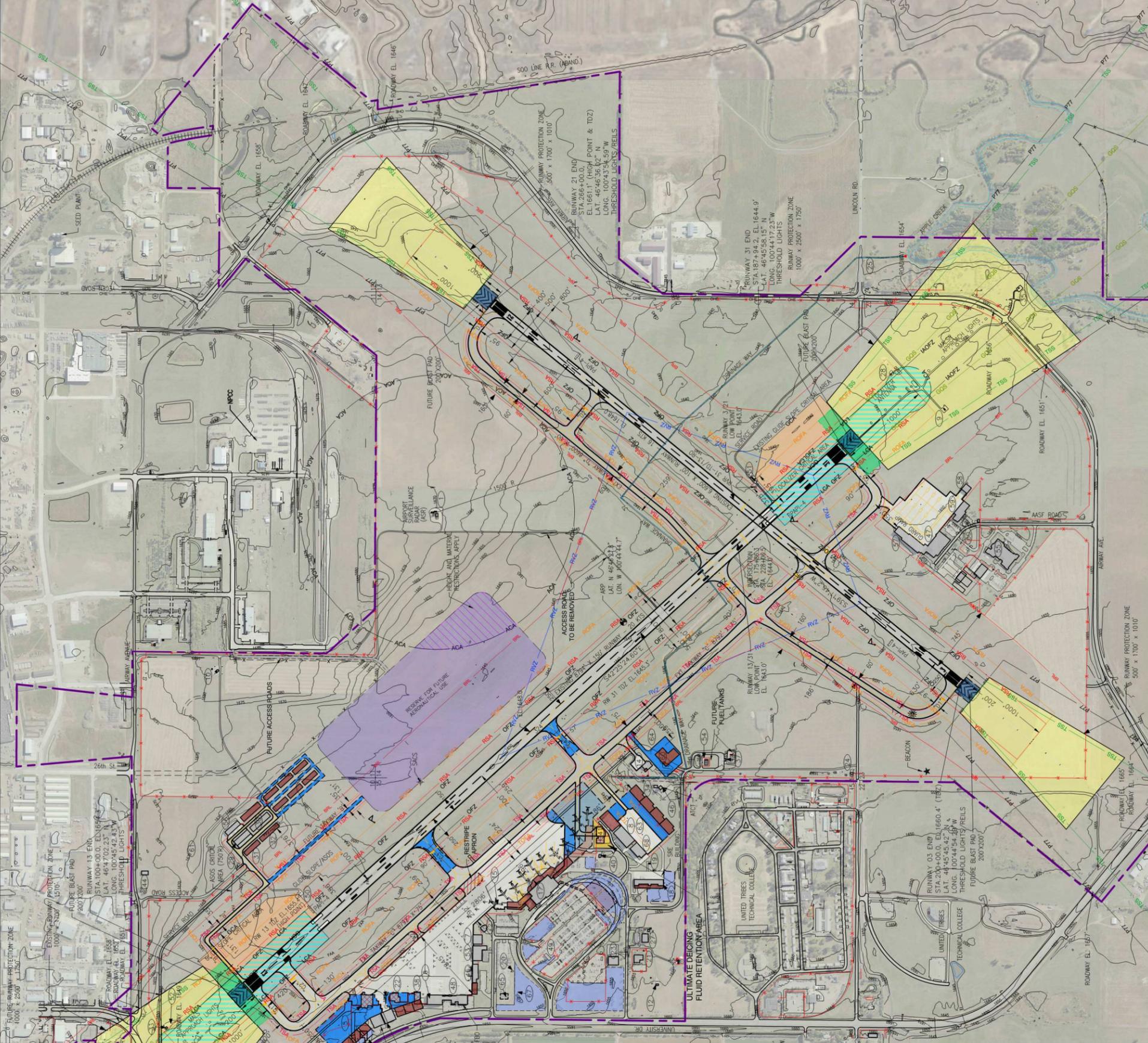
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 M&H PROJECT: 2716000-140293.01
 AP NO.: 3-38-003-055-2015
 DATE: JAN 2019
 DESIGNED BY: M&H
 DRAWN BY: JWB
 CHECKED BY: MRB
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SHEET CONTENTS
AIRPORT LAYOUT PLAN
 SHEET NO. 3 of 22

EXT	ULT	DESCRIPTION	TOP ELEV
1*	1	FAA APPROACH SURVEILLANCE RADAR	1719.5
2	2	OPS BLDG/EMERGENCY GENERATOR	1665.2
4		BISMARCK AERO CENTER HANGAR	1671.5
5*		CITY HANGAR (TO BE REMOVED)	1690.9
6		EXECUTIVE AIR TAXI	1686.5
7		BISMARCK AERO CENTER HANGAR	1671.5
8		CORP. HANGAR/OFFICE	1679.8
9		MALS# BUILDING / ENGINE GENERATOR	1690.0
10		FAA REMOTE TRANSMITTER/RECEIVER (RTTR)CAG ANTENNA TOWER	1726.3
12		NWS INFLATION SHELTER	1690.2
13*		U.S. WEST TELEPHONE BUILDING	1685.6
14		AIRPORT FIRE DEPARTMENT (ARFF)	1695.6
15*		VAULT COOLING TOWER, EMERGENCY GENERATOR	1695.8
16*		GARAGE	1717.0
17		AIRLINE TERMINAL/AIRPORT ADMIN BUILDING	1675.7
18		AIRPORT MAINTENANCE BUILDING	1698.4
19		LIFT STATION #1	1698.4
20		LIFT STATION #2	1698.4
21		EMER. MANAGEMENT & COMBINED COMM. CENTER	1670.3
22*		FBONDAC (TO BE RELOCATED)	1689.6
23		FAA DAK-MINN ADD OFFICE	1683.9
24		ELECTRICAL VAULT - RWY. 3/21	1671.9
25		STORAGE GARAGE	
26		LIFT STATION #3	
27		NATIONAL WEATHER SERVICE	1676.6
28		FAA LOCALIZER - RWY. 13	1660.3
29		AEROSTOR CONDO #1	1677.8
30		AREA 51 HANGAR ASSOCIATION	
31		T-HANGAR SITE C	
32		T-HANGAR SITE D	
33		FAA LOCALIZER - RWY. 31	1682.9
34		FAA ATCT GARAGE & EMERGENCY GENERATOR	1680.9
35		FAA MIDDLE MARKER - RWY. 31	
37		BISMARCK AIRPORT FUEL TANK FARM	1673.0
38*		WAY-POINT AVIONICS (TO BE REMOVED)	1677.2
40		FAA REMOTE TRANSMITTER BUILDING/CAG	1687.5
41*		CITY HANGAR (TO BE REMOVED)	1671.7
42		GAS STATION	1670.9
43*		MEISNER OFFICE BUILDING (TO BE REMOVED)	1684.9
44		STORAGE BUILDING	1691.7
45		BIS AERO CENTER	1674.7
46		FAA AIR TRAFFIC CONTROL TOWER	1733.4
47		ND NATIONAL GUARD A.A.S.F.	1697.7
48		EXECUTIVE AIR TAXI	1676.3
49		EXISTING PAY PARKING LOT EXIT PLAZA	1672.6
50		FAA GLIDE SLOPE - RWY. 13/ASOS	1700.7
51		FAA GLIDE SLOPE - RWY. 31	1670.6
52		FAA WALLS - RWY. 13	1699.3
53		BISMARCK AERO CENTER	1673.5
54		EXECUTIVE AIR FUEL FARM	1698.5
55		ND NATIONAL GUARD A.A.S.F. READINESS CENTER	1684.2
56		BEYER HANGAR	1684.3
57		ND NS ASF FUEL TRUCK CONTROL AREA	1697.7
58		ND NATIONAL GUARD A.A.S.F. AIRCRAFT WASH RACK	1690.3
59		ND NATIONAL GUARD A.A.S.F.	1687.6
60		SNOW REMOVAL EQUIPMENT (SRE) BUILDING	
61		T-HANGARS	
62		GENERAL AVIATION AREA	
63		CORPORATE AVIATION AREA	
64		ELECTRICAL VAULT AREA	
65		CAR WASH FACILITY	
67		RENTAL CAR STORAGE LOT	
68		CORP. HANGAR/OFFICE	

* TO BE REMOVED OR RELOCATED

DRAWING LEGEND	
EXISTING	FUTURE
AIRPORT CONTROLLED PROPERTY LINE (FEE & EASEMENTS)	
AIRFIELD PAVEMENT	
PAVED ROADS	
CONCRETE SURFACE	
ASPHALT SURFACE	
GRAVEL SURFACE	
THRESHOLD STRIPS SURFACE	
GOSS SURFACE	
RUNWAY VISIBILITY ZONE	
BUILDING RESTRICTION LINE	
OBSTACLE FREE ZONE	
RUNWAY SAFETY AREA	
RUNWAY OBJECT FREE AREA	
GLIDE SLOPE CRITICAL AREA (GCA)	
LOCALIZER CRITICAL AREA (LCA)	
AIRPORT SURVEILLANCE RADAR CRITICAL AREA (ASCA)	
PRECISION OBSTACLE FREE ZONES (POFZ)	
GLIDE SLOPE CRITICAL AREA	
LOCALIZER CRITICAL AREA	
FUEL STORAGE AREA	
AIRPORT BEACON	
LIGHTED WIND CONE & SEGMENTED CIRCLE	
WIND CONE	
PRECISION APPROACH PATH INDICATOR (PAPI)	
VISUAL APPROACH SLOPE INDICATOR (VASI)	
RUNWAY END IDENTIFIER LIGHTS (REIL)	
AIRPORT REFERENCE POINT (ARP)	
THE DEVELOPMENT AREA	
SACS	



NO.	DESCRIPTION	DATE

REVISIONS & NOTES

NOTES:

- ALP prepared using design criteria from FAA Advisory Circular 150/5300-13A Change 1, Airport Design, FAA Standard Operating Procedures 2.00 and 3.00, and FAA Advisory Circular 150/5300-13a (Change 1), Airport Design, and Preservation of the Navigable Airspace.
- All coordinates NAD83 and all elevations NAVD88. Horizontal and vertical datum source: AGS Survey
- Existing approach minimums, approach category and departure procedures based on published approach plates (National Flight Data Center).
- Critical design aircraft and runway design code determined through operation records and forecasts. Runway design standards and aircraft specification data source: FAA Advisory Circular 150/5300-13a (Change 1), Airport Design.
- Magnetic Declination source: National Geophysical Data Center, August 2018.
- Hangar layout footprints are conceptual based on facility requirements. Exact layout and dimensions may vary based on hangar developer.
- Departure Surfaces shown on sheets 9-12.
- No FACS exists on airfield. SACS needs to be recorded.
- Line of sight study, part of GA Apron Expansion EA, dated May 2015 in Master Plan Chapter 4.

FAA APPROVAL

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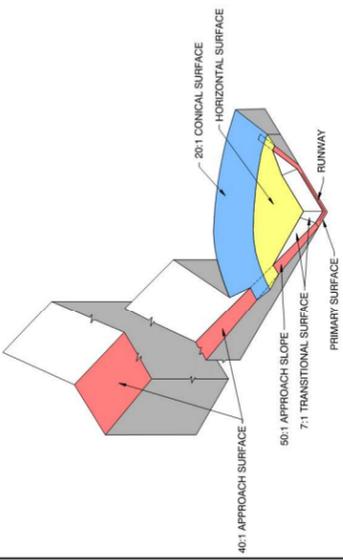
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SHEET CONTENTS
 AIRPORT AIRSPACE - CONICAL SURFACE

TYPICAL FAR PART 77 SURFACES



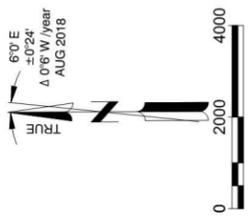
- LEGEND: PLAN VIEW**
- Existing Runway
 - Airport Controlled Line (Fee/Easements)
 - Part 77 Surfaces
 - Part 77 Approach Surface
 - Part 77 Surface Contour
 - Threshold Sling Surface
 - Terrain Contours
 - Object Penetrates Part 77 Surface
 - Object Within 10ft. Part 77 Surface
 - Object Clear >20ft. Part 77 Surface
 - Terrain Penetrations
 - Treetop Penetrations

REVISIONS & NOTES

NO.	DESCRIPTION	DATE

NOTES:

- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD88. All elevations in feet above mean sea level (MSL).
- Object and runway end elevation source: AGIS Survey, Martinez Geospatial, November 2015.
- Base map source: USGS Topographic maps.
- Only airspace surfaces associated with the existing runway and instrument approaches are shown (no changes proposed).
- Standard Approach Plan for close-in obstructions in RPZ areas and lateral transitional surfaces.
- See Departure Surfaces for 40:1 departure surfaces for each runway.
- For the Data Tables, a negative penetration value indicates the object is clear of the airspace surface.
- City of Bismarck Zoning Ordinance Title 10 Chapter 10-09



COMPREHENSIVE PART 77 AGIS OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	OBJECT AGL HEIGHT	APPROACHES			DISPOSITION
				PRIMARY	TRANSITION	HORIZONTAL	
P1	Antenna	1700.1	49'	13	31	21	Remove
P2	Guard Post	1650.4	5.4'	6	16	0	Remove
A1	McKenzie Building	1816.2	136.2'	9	89	0	Remove
A2	Tree	1706.5	61.5'	5	5	7	Remove
A3	MALSR	1666.6	9.6'	8	5	5	Remove
A4	Loc Building	1681.1	11.1'	5	5	7	Remove
A5	Tree	1710.5	60.5'	8	5	7	Remove
T1	Capitol Bldg	2087.8	264.8'	13	31	21	Remove
T2	Building	1690.8	40.8'	6	16	0	Remove
T3	Terminal	1714.3	64.3'	9	89	0	Remove
T4	Antenna	1678.9	33.9'	5	5	7	Remove
T5	ATCT Tower	1729.1	84.1'	8	5	7	Remove
T6	Beacon	1707.2	52.2'	5	5	7	Remove
T7	Tree	1732	87'	8	5	7	Remove
T8	Building	1697.3	47.3'	6	16	0	Remove
T9	Pole	1705.7	60.7'	5	5	7	Remove
T10	Pole	1693.6	48.6'	6	16	0	Remove
H1	Tree	1825	145'	9	89	0	Remove
H2	Tree	1824.9	144.9'	9	89	0	Remove
H3	Utilities on Bldg	1808.5	133.5'	9	89	0	Remove
H4	Terrain	1830.3	0'	9	89	0	Remove
H5	Trees (3)	1824.9	24.9'	9	89	0	Remove
H6	Trees (5)	1855.4	55.4'	9	89	0	Remove
C1	Tree	1977.6	88.6'	9	89	0	Remove
C2	Tree	1852.6	52.6'	9	89	0	Remove
C3	Tree	1842	42'	9	89	0	Remove
C4	Tree	1842.6	42.6'	9	89	0	Remove
C5	Tree	1841.2	41.2'	9	89	0	Remove
C6	Trees (3)	1853.9	53.9'	9	89	0	Remove
A6	Tree	1705.6	60.6'	5	5	7	Remove
A7	Tree	1711.2	61.2'	5	5	7	Remove
A8	Tree	1742.9	60.0'	5	5	7	Remove
A9	Tree	1742.9	60.0'	5	5	7	Remove
A10	Pole	1691	41.0'	5	5	7	Remove
A11	Pole	1826.6	44.0'	5	5	7	Remove
C7	Tree	1870.4	50.0'	9	89	0	Remove
C8	Tree	1885.3	50.0'	9	89	0	Remove
C9	Tree	1951.1	50.0'	9	89	0	Remove
C10	Tree	1952.6	50.0'	9	89	0	Remove
C11	Tree	1889.2	50.0'	9	89	0	Remove
C12	Pole	1848.5	45.0'	9	89	0	Remove
C13	Pole	1833.1	45.0'	9	89	0	Remove
C14	Pole	1869.4	45.0'	9	89	0	Remove
C15	Pole	1847.2	45.0'	9	89	0	Remove
C16	Pole	1824.9	45.0'	9	89	0	Remove
C17	Pole	1869.8	45.0'	9	89	0	Remove

Legend for Part 77 Objects:
 ● # OBJECTS THAT PENETRATE PART 77 SURFACE
 ● # OBJECTS WITHIN 10 FEET OF PART 77 SURFACE
 ● # OBJECTS > 20 FEET CLEAR OF PART 77 SURFACE
 All objects captured in the 2015 AGIS survey are represented on this table. For detail on close-in obstructions in RPZ areas and lateral transitional surfaces, see Inner Approach Plans.



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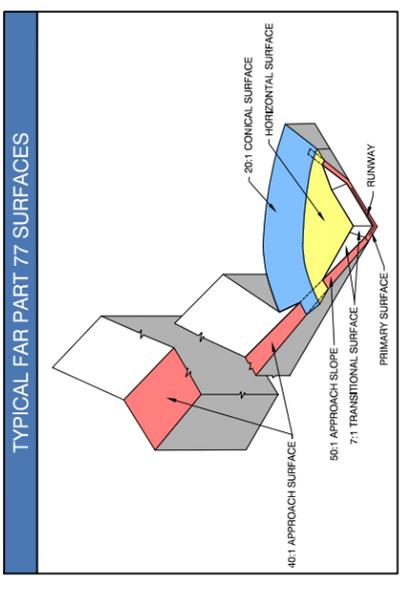
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SHEET CONTENTS
AIRPORT AIRSPACE - EXTENDED NORTH PLAN

SHEET NO. 5 of 22

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LEGEND: PLAN VIEW

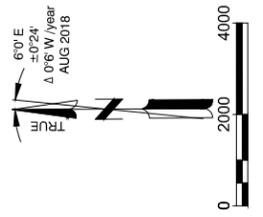
- Existing Runway
- Airport Controlled Property Line (Fee&Easements)
- Part 77 Surfaces
- Part 77 Approach Surface
- Part 77 Surface Contour
- Threshold Siting Surface
- Terrain Contours
- Object Penetrates Part 77 Surface
- Object Within 10ft. Part 77 Surface
- Object Clear >20ft. Part 77 Surface
- Terrain Penetrations

REVISIONS & NOTES

NO.	DESCRIPTION	DATE

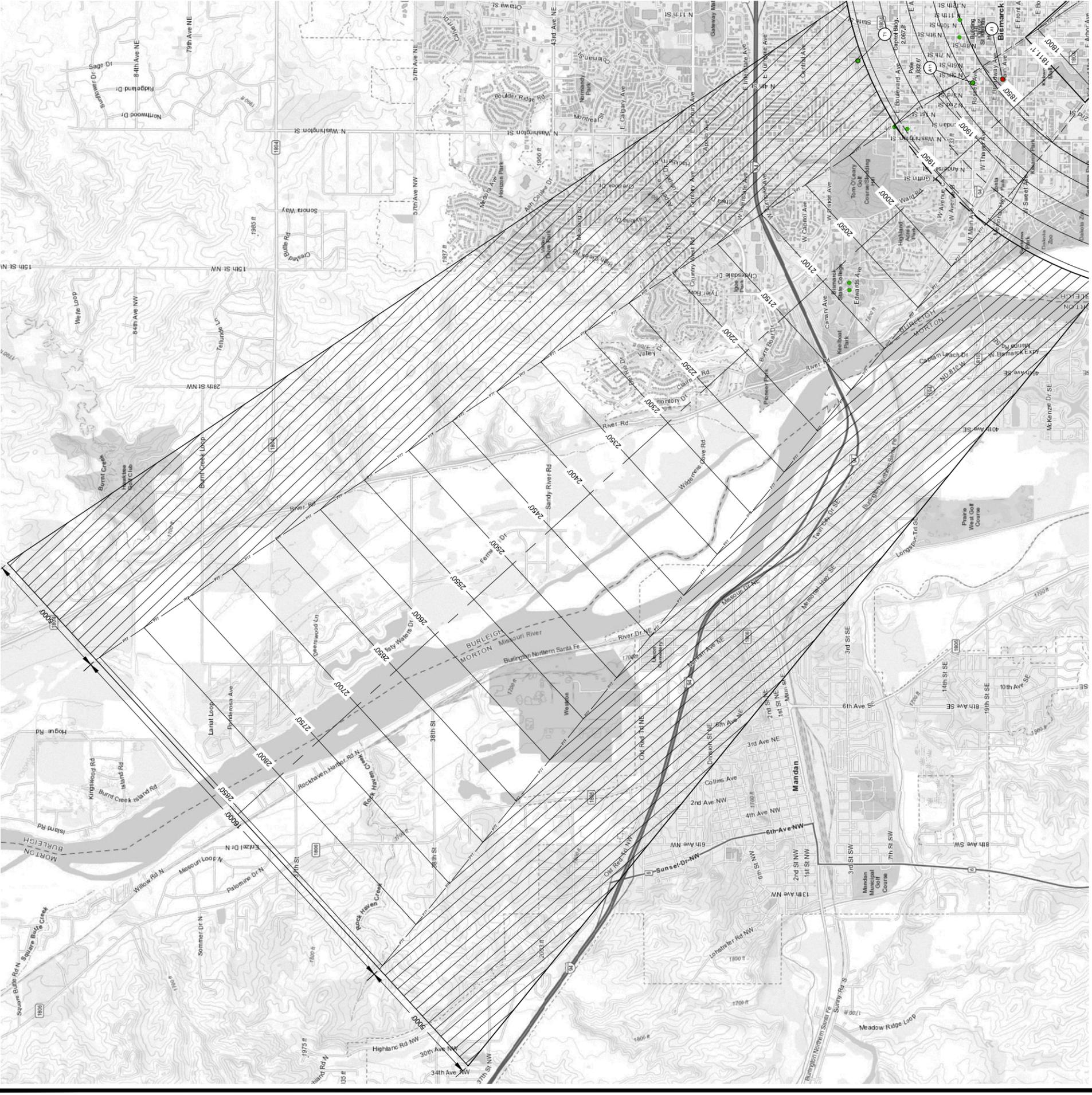
NOTES:

- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD83. All elevations in feet above mean sea level (MSL).
- Object and runway end elevation source: AGIS Survey, Martinez Geospatial, November 2015.
- Basemap source: USGS Topographic maps.
- Only airspace surfaces associated with the existing runway and instrument approaches are illustrated (no changes proposed).
- See Inner-Approach Plan for close-in obstructions in RPZ areas and lateral transitional surfaces.
- See Departure Surfaces for 40:1 departure surfaces for each runway.
- For the Data Tables, a negative penetration value indicates the object is clear of the airspace surface.



PART 77 OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	OBJECT AGI HEIGHT	PART 77 SURFACE ELEVATION	PART 77 SURFACE PENETRATION	20:1 TSS SURFACE ELEVATION	TSS SURFACE PENETRATION	DISPOSITION
A1	McKenzie Building	1816.2	136.2'	Horizontal 1,811.1'	4.9'	1,965.8'	-119.6'	Obstruction Light
T1	Capitol Bldg	2067.8	264.8'	Transitional 2,342.6'	-274.8'	Object Not Under Surface	-274.8'	No Action
A11	Pub	1832.6	44.0'	Approach 1,862.4'	-49.8'	1,960.4'	-127.8'	No Action



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BISMARCK AIRPORT LAYOUT PLAN
 2301 UNIVERSITY DR., BISMARCK, ND 58504

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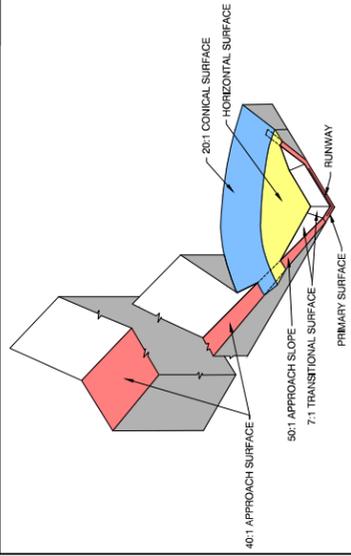
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SHEET CONTENTS
AIRPORT AIRSPACE - RUNWAY 13-31 PROFILES

SHEET NO. 7 of 22

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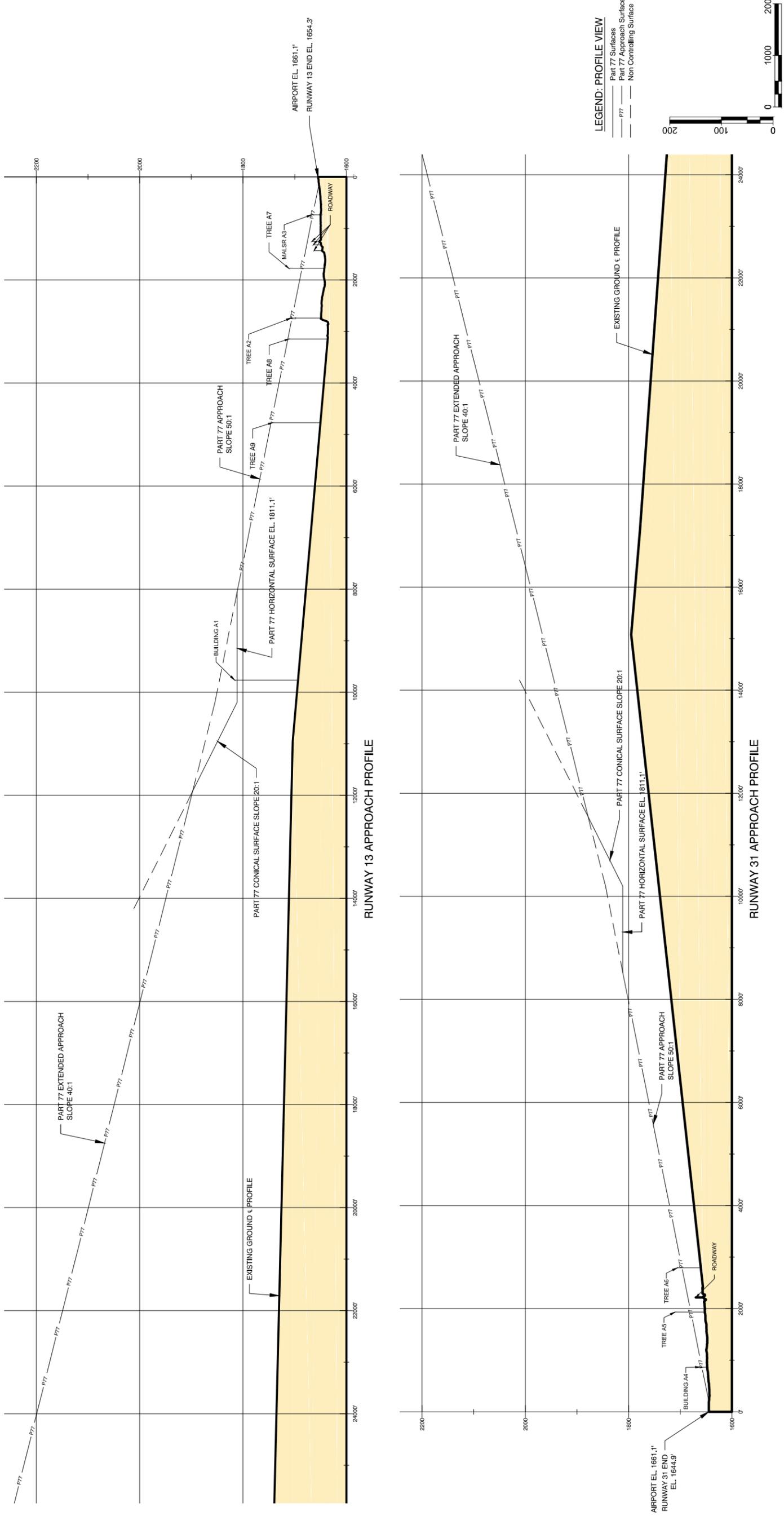
TYPICAL FAR PART 77 SURFACES



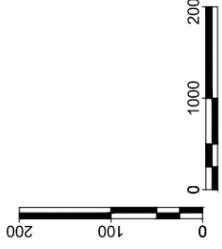
PART 77 OBJECTS

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	OBJECT AGL HEIGHT	PART 77 SURFACE ELEVATION	PART 77 SURFACE PENETRATION	20:1 TSS SURFACE ELEVATION	TSS PENETRATION	DISPOSITION
A1	McKenzie Building	1816.2	120'	1,811.3'	4.9'	1,835.8'	-19.6'	Obstruction Light
A2	Tree	1705.5	56.6'	1,705.1'	1.4'	1,725.0'	-22.5'	Cut / Remove
A3	MALSR	1665.6	20.1'	1,665.1'	1.5'	1,670.0'	-3.4'	No Action
A4	MALSR/Generator Building	1661.1	12.6'	1,659.4'	1.7'	1,675.8'	-14.7'	Obstruction Light
A5	Tree	1710.5	57.9'	1,679.5'	31.0'	1,705.1'	5.4'	Cut / Remove
A6	Tree	1705.6	60.5'	1,705.7'	0.1'	1,725.7'	-24.1'	Cut / Remove
A7	Tree	1711.2	61.5'	1,683.4'	27.8'	1,697.1'	14.1'	Cut / Remove
A8	Tree	1711	60.0'	1,710.5'	0.9'	1,736.9'	-25.9'	Cut / Remove
A9	Tree	1742.9	60.0'	1,742.6'	0.3'	1,784.1'	-41.2'	Cut / Remove

- REVISIONS & NOTES**
- | NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| | | |
| | | |
| | | |
- Runway ends, Part 77 surface contours and obstruction elevations are shown in NAD83 and NAVD83. All elevations in feet above mean sea level (MSL).
 - Object and runway end elevation source: AGIS Survey, Martinez Geospatial, November 2015.
 - Basemap source: USGS Topographic maps.
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 - See Departure Surfaces for 40:1 departure surfaces for each runway.
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LEGEND: PROFILE VIEW
 Part 77 Surfaces
 Part 77 Approach Surface
 Non Controlling Surface



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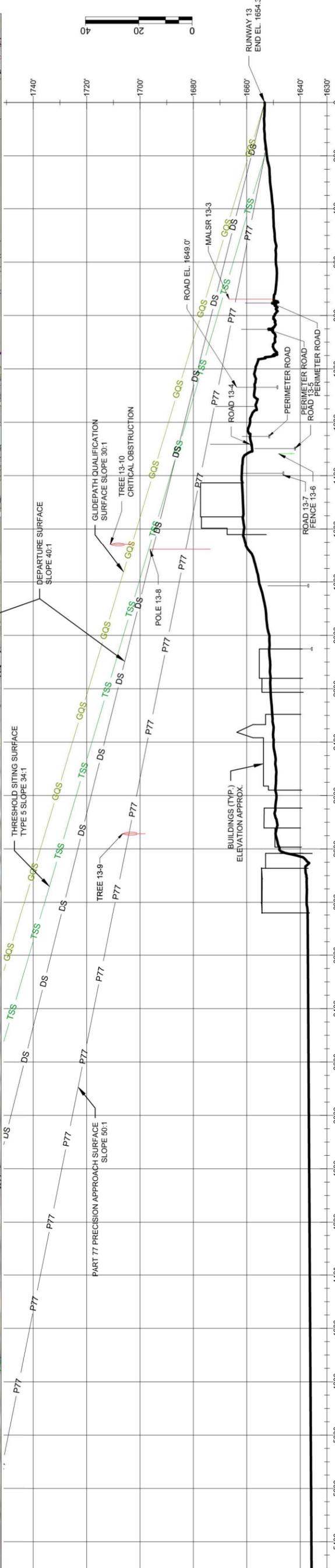
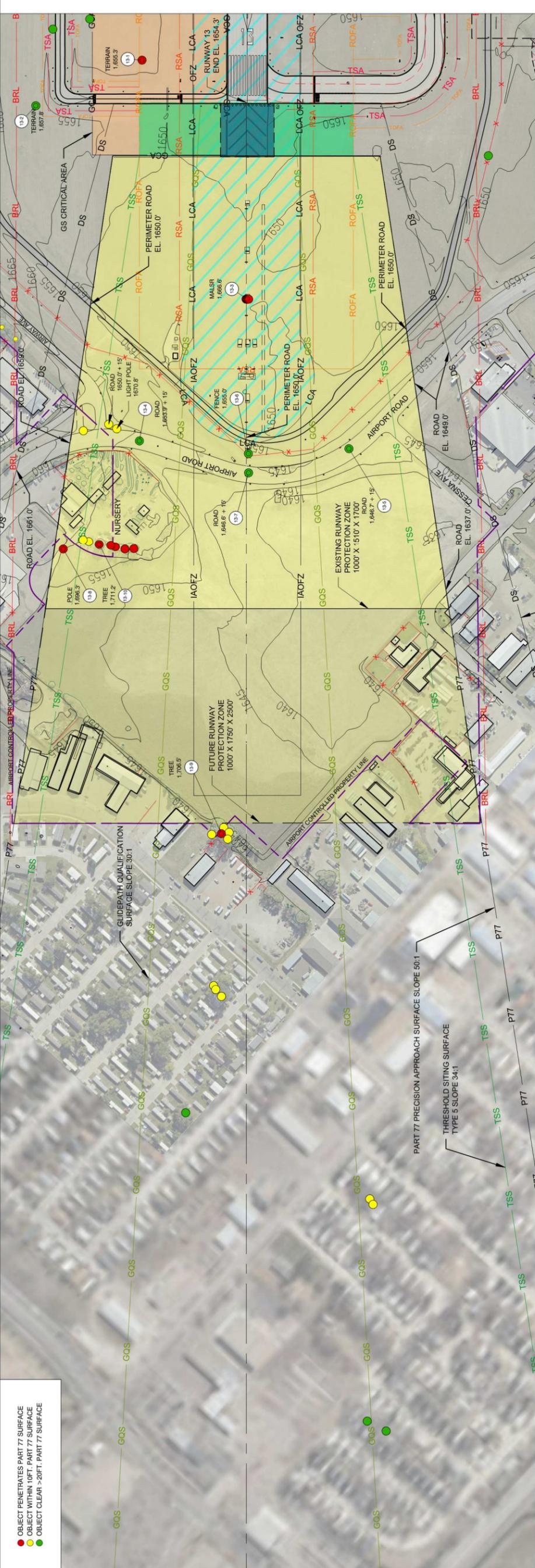
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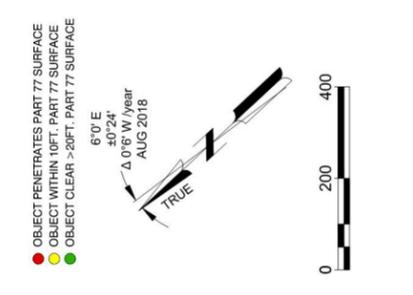
SHEET CONTENTS
 RUNWAY 13 INNER
 APPROACH PLAN &
 PROFILE

SHEET NO. 9 of 22



DRAWING LEGEND

EXISTING	FUTURE
AIRPORT CONTROLLED PROPERTY LINE (SEE EASEMENTS)	AIRPORT CONTROLLED PROPERTY LINE (SEE EASEMENTS)
AIRPORT BUILDINGS	AIRPORT BUILDINGS
PAVED ROADS	PAVED ROADS
UNPAVED ROADS	UNPAVED ROADS
ROADWAY PROTECTION ZONE	ROADWAY PROTECTION ZONE
THRESHOLD SITING SURFACE	THRESHOLD SITING SURFACE
GOS SURFACE	GOS SURFACE
RUNWAY VISIBILITY ZONE	RUNWAY VISIBILITY ZONE
BUILDING RESTRICTION LINE	BUILDING RESTRICTION LINE
OBSTACLE FREE ZONE	OBSTACLE FREE ZONE
RUNWAY SAFETY AREA	RUNWAY SAFETY AREA
GLIDE SLOPE CRITICAL AREA (GCA)	GLIDE SLOPE CRITICAL AREA (GCA)
LOCALIZER CRITICAL AREA (LCA)	LOCALIZER CRITICAL AREA (LCA)
AIRPORT SURVEILLANCE RADAR CRITICAL AREA (ACRA)	AIRPORT SURVEILLANCE RADAR CRITICAL AREA (ACRA)
PRECISION APPROACH CRITICAL AREA (PACA)	PRECISION APPROACH CRITICAL AREA (PACA)
LOCALIZER CRITICAL AREA	LOCALIZER CRITICAL AREA
GLIDE SLOPE CRITICAL AREA	GLIDE SLOPE CRITICAL AREA
LIGHTED WIND CONE & SEGMENTED CIRCLE	LIGHTED WIND CONE & SEGMENTED CIRCLE
WIND CONE	WIND CONE
PRECISION APPROACH PATH INDICATOR (PAPI)	PRECISION APPROACH PATH INDICATOR (PAPI)
VISUAL APPROACH SLOPE INDICATOR (VASI)	VISUAL APPROACH SLOPE INDICATOR (VASI)
RUNWAY END IDENTIFIER LIGHTS (REIL)	RUNWAY END IDENTIFIER LIGHTS (REIL)



REVISIONS

NO.	DESCRIPTION	DATE

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- Basemap source: Aerial Imagery DIGITALGLOBE 2017.

RUNWAY 13 OBJECT DATA

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	OBJECT HEIGHT	PART 77 SURFACE	50:1 PART 77 SURFACE ELEVATION	PART 77 PENETRATION	34:1 TSS SURFACE ELEVATION	TSS PENETRATION	30:1 GOS SURFACE ELEVATION	GOS PENETRATION	DISPOSITION
13-1	Terrain	1,658.3'	0'	Primary	1,654.3'	1.0'	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	To Be Removed
13-2	Terrain	1,657.8'	0'	Transitional	1,656.0'	-38.2'	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	To Be Removed
13-3	MALS SR	1,666.6'	17.2'	Approach	1,675.6'	1.6'	1,670.0'	-3.4'	1,678.8'	-12.2'	No Action
13-4	Road	1,668.9'	15.0'	Approach	1,675.6'	-6.7'	1,665.6'	-16.7'	1,666.6'	-24.8'	No Action
13-5	Road	1,661.7'	15.0'	Approach	1,676.2'	-14.5'	1,666.6'	-24.8'	1,668.1'	-43.1'	No Action
13-6	Fence	1,651.6'	8.0'	Approach	1,676.2'	-21.6'	1,667.1'	-32.1'	1,700.5'	-48.9'	No Action
13-7	Road	1,651.6'	15.0'	Approach	1,678.0'	-26.4'	1,669.2'	-37.6'	1,709.9'	-13.6'	No Action
13-8	Pole	1,698.3'	41.3'	Approach	1,683.7'	12.6'	1,692.5'	-1.2'	1,745.6'	-39.1'	Col/ Remove
13-9	Trees	1,706.5'	57.4'	Approach	1,705.1'	1.4'	1,729.0'	-22.5'	1,745.6'	-39.1'	Col/ Remove
13-10	Trees	1,711.2'	56.2'	Approach	1,683.3'	27.9'	1,687.0'	-4.2'	1,708.3'	-1.9'	Col/ Remove

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BISMARCK AIRPORT LAYOUT PLAN
 2301 UNIVERSITY DR., BISMARCK, ND 58504

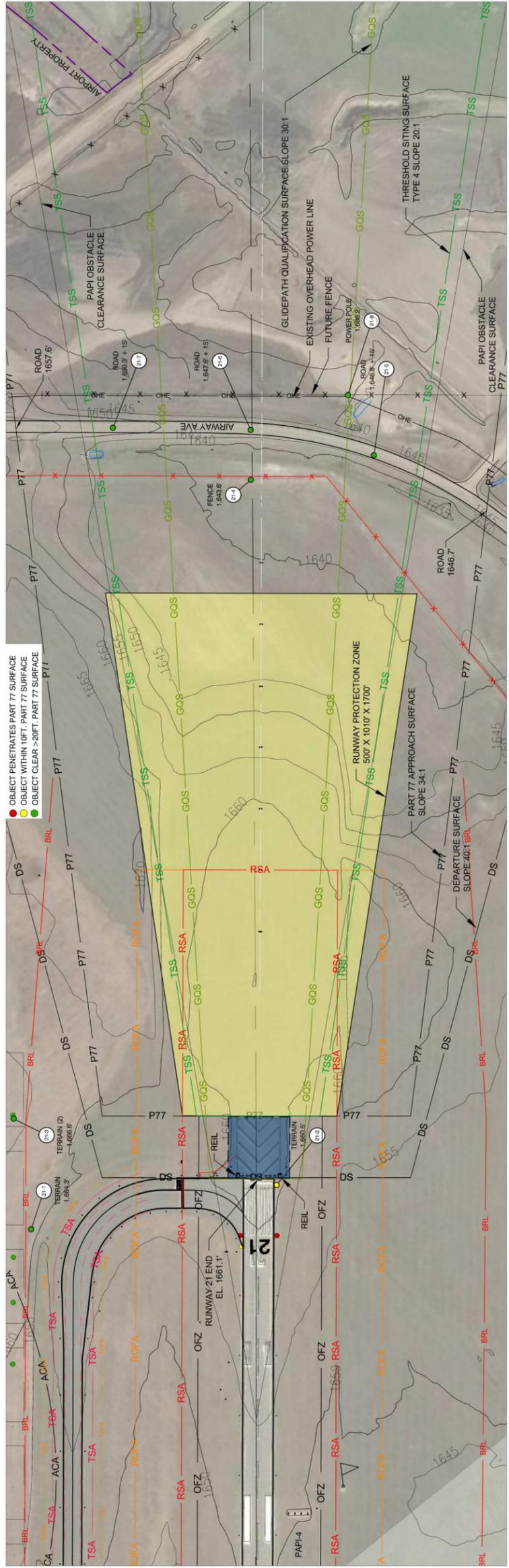
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 M&H PROJECT: 2716000-140293.01
 AP NO: 3-38-003-055-2015
 DATE: JAN 2019
 DESIGNED BY: M&H
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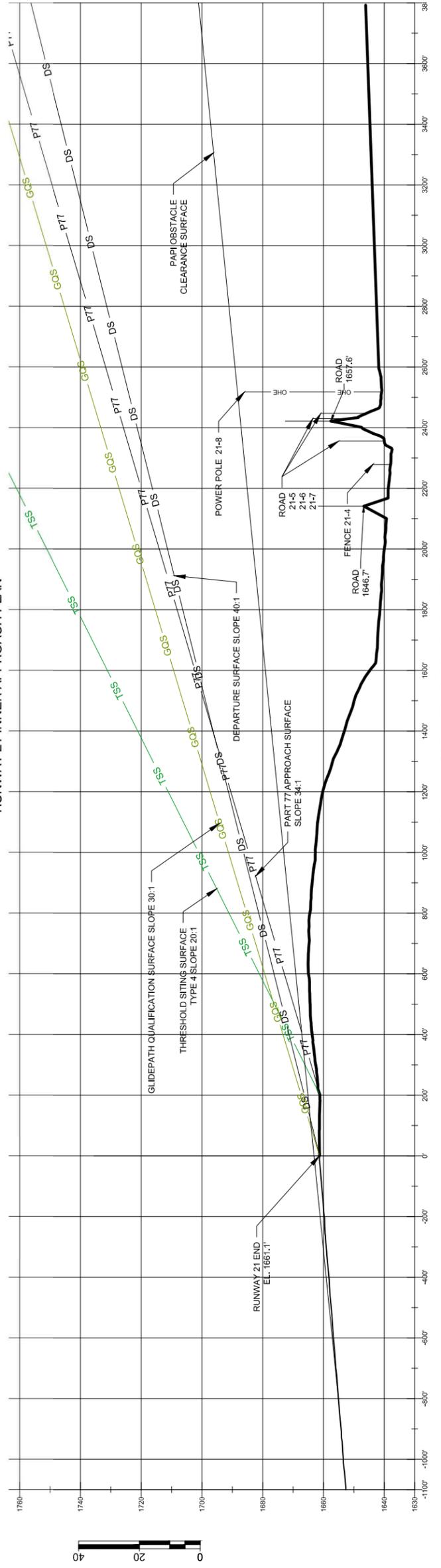
SHEET CONTENTS
 RUNWAY 21 INNER
 APPROACH PLAN &
 PROFILE

SHEET NO. 12 of 22

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RUNWAY 21 INNER APPROACH PLAN



RUNWAY 21 INNER APPROACH PROFILE

RUNWAY 21 OBJECT DATA

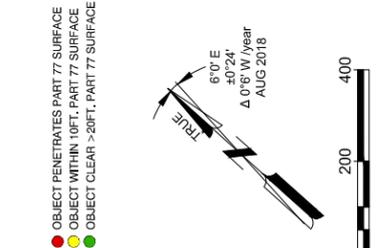
POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	OBJECT AGL HEIGHT	PART 77 SURFACE ELEVATION	PART 77 PENETRATION	20:1 TSS SURFACE ELEVATION	TSS PENETRATION	30:1 GOS SURFACE ELEVATION	GOS PENETRATION	DISPOSITION
21-1	Terrain	1664.30	0'	1664.2	-28.9	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	No Action
21-2	Terrain	1660.50	0'	1661.1	-0.6'	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	No Action
21-3	Terrain (2)	1666.60	0'	1702.1	-35.5'	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	Object Not Under Surface	No Action
21-4	Fence	1643.60	8'	1726.4'	-82.8'	1,772.1'	-126.5'	1,741.8'	-88.2'	No Action
21-5	Road	1661.60	15'	1,726.7'	-66.9'	1,776.1'	-114.3'	1,744.4'	-82.6'	No Action
21-6	Road	1662.60	15'	1,731.2'	-68.6'	1,780.2'	-117.6'	1,747.2'	-84.6'	No Action
21-7	Road	1665.30	15'	1,731.4'	-66.1'	1,760.6'	-115.3'	1,747.4'	-82.1'	No Action
21-8	Power Pole	1686.20	46'	1,730.1'	-43.9'	1,778.4'	-92.2'	1,746.0'	-59.7'	No Action

REVISIONS

NO.	DESCRIPTION	DATE

NOTES:

- Runway ends, Part 77 surfaces, contours, and obstruction elevations are shown in NAD83 and NAVD83. All elevations in feet above mean sea level (MSL).
- Object and runway end elevation source: AGIS Survey, Martinez Geospatial, November 2015.
- Basemap source: Aerial Imagery DIGITALGLOBE 2017.



DRAWING LEGEND

EXISTING	FUTURE
APPROX CONTROLLED PROPERTY LINE FEES ESSEMENTS	APPROX CONTROLLED PROPERTY LINE FEES ESSEMENTS
AIRPORT BUILDINGS	AIRPORT BUILDINGS
AIRFIELD PAVEMENT	AIRFIELD PAVEMENT
PAVED ROADS	PAVED ROADS
RUNWAY PROTECTION ZONE	RUNWAY PROTECTION ZONE
PART 77 APPROACH SURFACE	PART 77 APPROACH SURFACE
THRESHOLD SITING SURFACE	THRESHOLD SITING SURFACE
GOS SURFACE	GOS SURFACE
RUNWAY VISIBILITY ZONE	RUNWAY VISIBILITY ZONE
BUILDING RESTRICTION LINE	BUILDING RESTRICTION LINE
OBSTACLE FREE ZONE	OBSTACLE FREE ZONE
RUNWAY SAFETY AREA	RUNWAY SAFETY AREA
GLIDE SLOPE CRITICAL AREA (GCA)	GLIDE SLOPE CRITICAL AREA (GCA)
LOCALIZER CRITICAL AREA (LCA)	LOCALIZER CRITICAL AREA (LCA)
APPROX SURVEILLANCE RADAR CRITICAL AREA (ACRA)	APPROX SURVEILLANCE RADAR CRITICAL AREA (ACRA)
APPROX SECURITY FENCE E-101 (VARIES BY LOCATION)	APPROX SECURITY FENCE E-101 (VARIES BY LOCATION)
PRECISION OBSTACLE FREE ZONES (POFZ)	PRECISION OBSTACLE FREE ZONES (POFZ)
GLIDE SLOPE CRITICAL AREA	GLIDE SLOPE CRITICAL AREA
LOCALIZER CRITICAL AREA	LOCALIZER CRITICAL AREA
LIGHTED WIND CONE & SEGMENTED ORACLE	LIGHTED WIND CONE & SEGMENTED ORACLE
WIND CONE	WIND CONE
PRECISION APPROACH PATH INDICATOR (PAPI)	PRECISION APPROACH PATH INDICATOR (PAPI)
VISUAL APPROACH SLOPE INDICATOR (VASI)	VISUAL APPROACH SLOPE INDICATOR (VASI)
APPROX LIGHTS (REIL)	APPROX LIGHTS (REIL)
OVERHEAD POWER LINE	OVERHEAD POWER LINE

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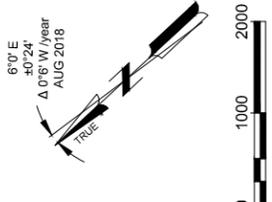
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 M&H PROJECT: 2716000-140293.01
 AP NO: 3-38-003-055-2015
 DATE: JAN 2019
 DESIGNED BY: M&H
 DRAWN BY: JWB
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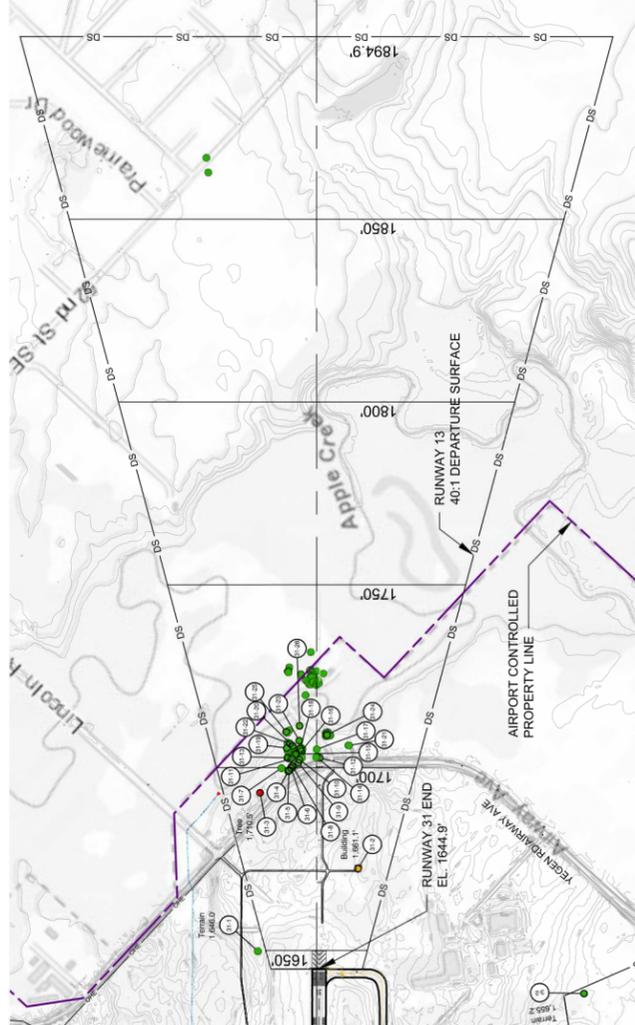
SHEET CONTENTS
RUNWAY 13-31
DEPARTURE SURFACES

SHEET NO. 13 of 22

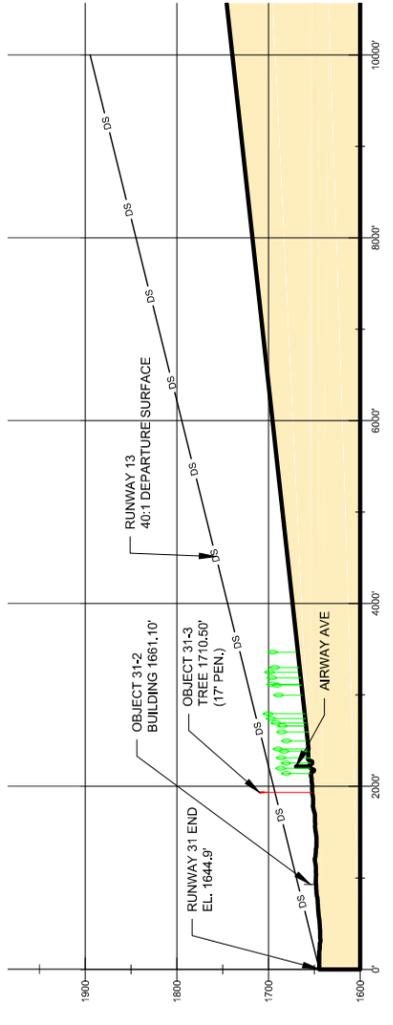
LEGEND: PLAN VIEW
 Airport Controlled Property Line (Fee & Easements)
 Departure Surface
 Object Penetrates Departure Surface
 Object Within 10ft. Departure Surface
 Object Clear > 10ft. Departure Surface



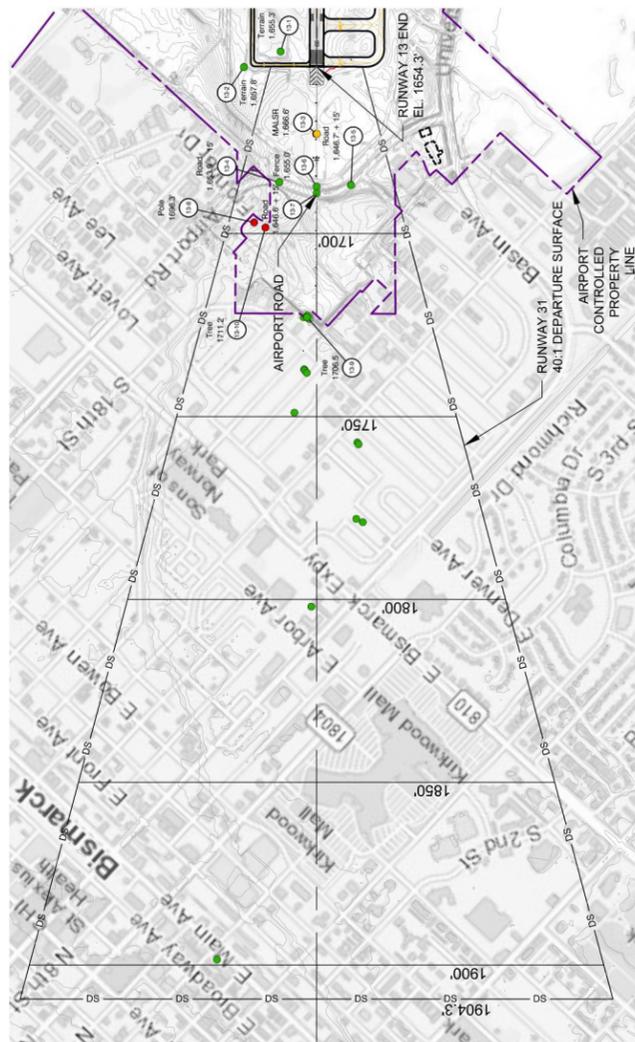
LEGEND: PROFILE VIEW
 DS 40:1 Departure Surface



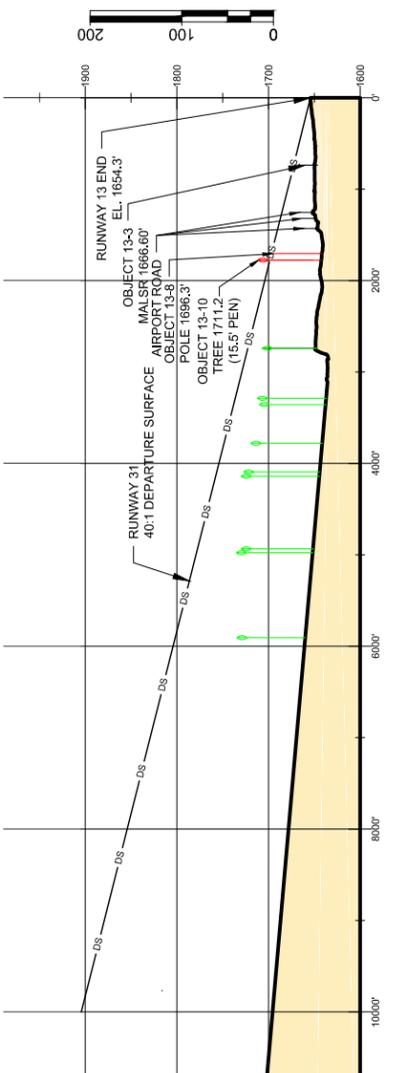
RUNWAY 13 DEPARTURE SURFACE PLAN



RUNWAY 13 DEPARTURE SURFACE PROFILE



RUNWAY 31 DEPARTURE SURFACE PLAN



RUNWAY 31 DEPARTURE SURFACE PROFILE

RUNWAY 13 OBJECT DATA

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	40:1 DEPARTURE SURFACE ELEVATION	DEPARTURE SURFACE PENETRATION
13-1	Terrain	1655.3	1650.2	5.1'
13-2	Terrain	1657.8	1654.5	3.3'
13-3	MALS	1667.6	1672.7	-6.1'
13-4	Road	1668.9	1665.9	-17.0'
13-5	Road	1661.7	1666.7	-25.0'
13-6	Fence	1655.0	1667.1	-32.1'
13-7	Road	1651.6	1668.9	-37.3'
13-8	Pole	1696.3	1696.0	0.3'
13-9	Tree	1706.5	1722.8	-16.3'
13-10	Tree	1711.20	1695.7	15.5'

DEPARTURE SURFACE AGIS OBJECTS

	DEPARTURE SURFACE	
	RUNWAY 31	RUNWAY 13
# OBJECTS THAT PENETRATE DEPARTURE SURFACE	0	1
# OBJECTS WITHIN 10 FEET OF DEPARTURE SURFACE	5	1
# OBJECTS > 10 FEET CLEAR OF DEPARTURE SURFACE	15	106

RUNWAY 31 OBJECT DATA

POINT #	OBJECT DESCRIPTION	OBJECT ELEVATION	40:1 DEPARTURE SURFACE ELEVATION	DEPARTURE SURFACE PENETRATION
31-1	Terrain	1646	1693.8	-3.8'
31-2	Building	1661.1	1688.2	-7.1'
31-3	Tree	1710.5	1693.1	17.4'
31-4	Trees (2)	1686.9	1699.1	-12.2'
31-5	Tree	1683.4	1699.2	-15.8'
31-6	Trees (8)	1691.9	1699.8	-7.9'
31-7	Road	1672	1699.8	-27.8'
31-8	Trees (2)	1684.9	1700.4	-15.5'
31-9	Tree	1685.9	1701.3	-15.4'
31-10	Trees (2)	1691.9	1702.2	-10.3'
31-11	Trees (5)	1684	1702.5	-18.5'
31-12	Object	1672.9	1702.7	-29.8'
31-13	Trees (3)	1689.2	1702.7	-13.5'
31-14	Fence	1659.4	1702.9	-43.5'
31-15	Trees (4)	1683.7	1703.7	-20.0'
31-16	Trees (12)	1688.3	1704.5	-16.2'
31-17	Road	1669.7	1705.0	-35.3'
31-18	Tree	1694.9	1705.1	-10.2'
31-19	Trees (2)	1684.5	1705.3	-20.8'
31-20	Trees (3)	1667.6	1706.0	-38.4'
31-21	Road	1667.6	1706.0	-38.4'
31-22	Trees (2)	1665.7	1706.5	-20.8'
31-23	Tree	1665.7	1707.3	-21.6'
31-24	Trees (20)	1689.6	1709.0	-19.4'
31-25	Trees (3)	1690.9	1709.8	-18.9'
31-26	Tree	1689.8	1711.4	-21.6'

NOTES:
 • Runway ends and obstruction elevations are shown in MADS3 and NAVD88. All elevations in feet above mean sea level (MSL).
 • Object and runway end elevation source: AGIS Survey, Martinez Geospatial, November 2015.
 • Basemap source: USGS Topographic maps.

REVISIONS

NO.	DESCRIPTION	DATE

ISSUED

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**CITY OF BISMARCK
 BISMARCK AIRPORT LAYOUT PLAN**

2301 UNIVERSITY DR., BISMARCK, ND 58504

ISSUED

NOT FOR CONSTRUCTION

MAP PROJECT: 2716000-140293.01
 AP NO.: 3-38-003-055-2015
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SHEET CONTENTS
TERMINAL AREA PLAN

SHEET NO. 16 of 22
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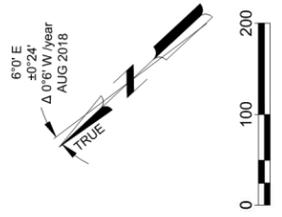
REVISIONS & NOTES

NO.	DESCRIPTION	DATE

NOTES:

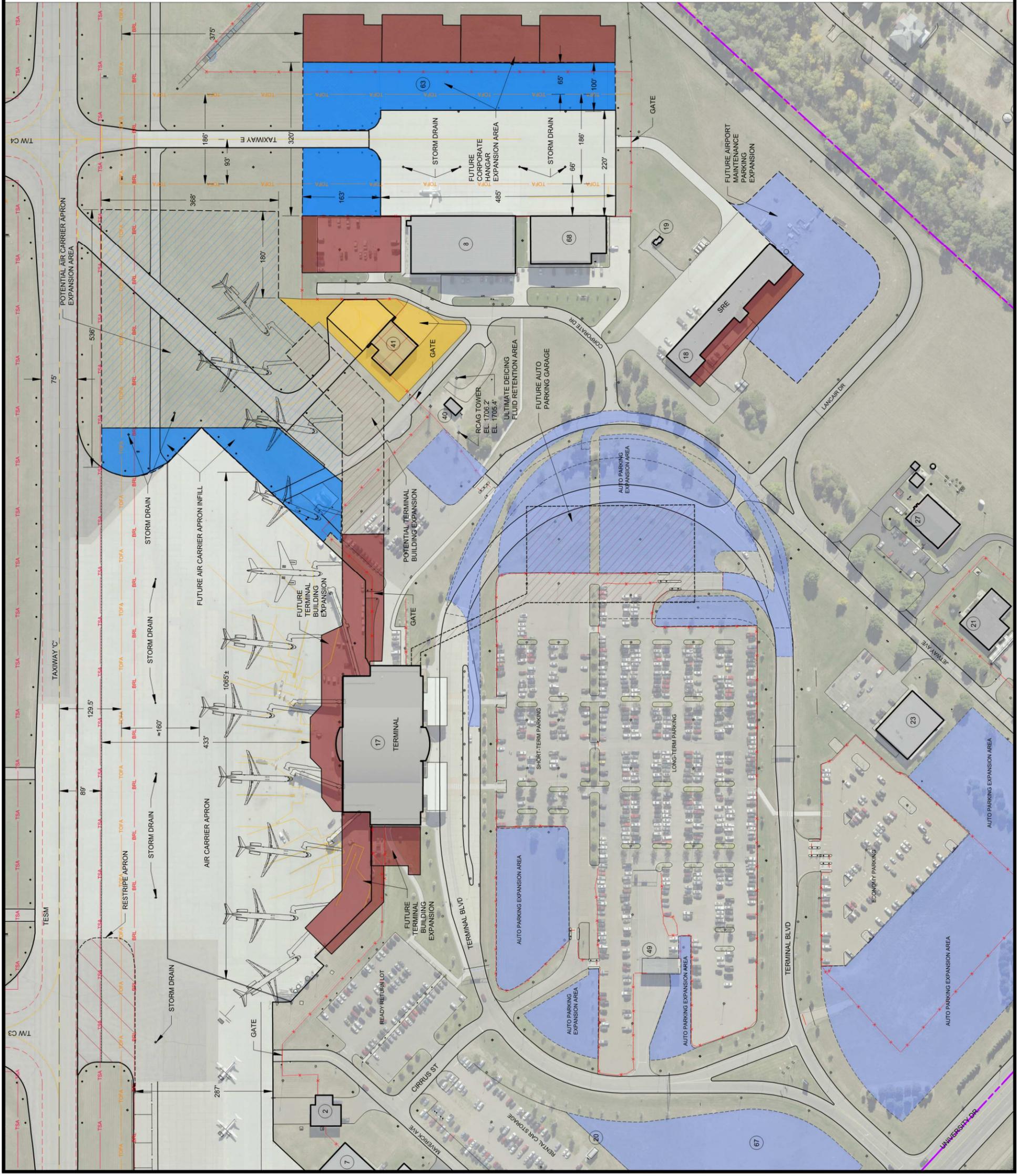
BUILDING LEGEND

EXT	ULT	DESCRIPTION	TOP ELEV
2		OPS BLDG/EMERGENCY GENERATOR	1666.2'
7		BIS AERO CENTER HANGAR	1671.5'
8		CORP. HANGAR/OFFICE	1679.8'
17		AIRLINE TERMINAL/AIRPORT ADMIN BUILDING	1717.0'
18		AIRPORT MAINTENANCE BUILDING	1675.7'
19		LIFT STATION #2	1658.8'
20		LIFT STATION #1	1660.4'
21		EMER. MANAGEMENT & COMBINED COMM. CENTER	1670.3'
23		FAA DMK-WINN ADO OFFICE / TECH OPS	1683.9'
27		NATIONAL WEATHER SERVICE	1676.6'
40		FAA REMOTE TRANSMITTER/RCAG TOWERS	1657.5'
41*		CITY HANGAR (TO BE REMOVED)	1671.7'
48		EXECUTIVE AIR TAXI	1676.3'
49		EXISTING FAT PARKING LOT EXIT PLAZA	1672.0'
63		CORPORATE AVIATION AREA	
67		RENTAL CAR STORAGE LOT	1680.8'
68		CORP. HANGAR/OFFICE	
* TO BE REMOVED OR RELOCATED			



DRAWING LEGEND

EXISTING	FUTURE

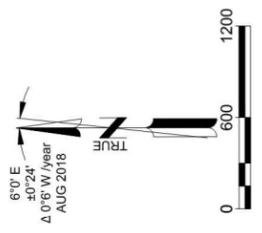


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SHEET CONTENTS
 AIRPORT LAND USE PLAN
 SHEET NO. 18 of 22
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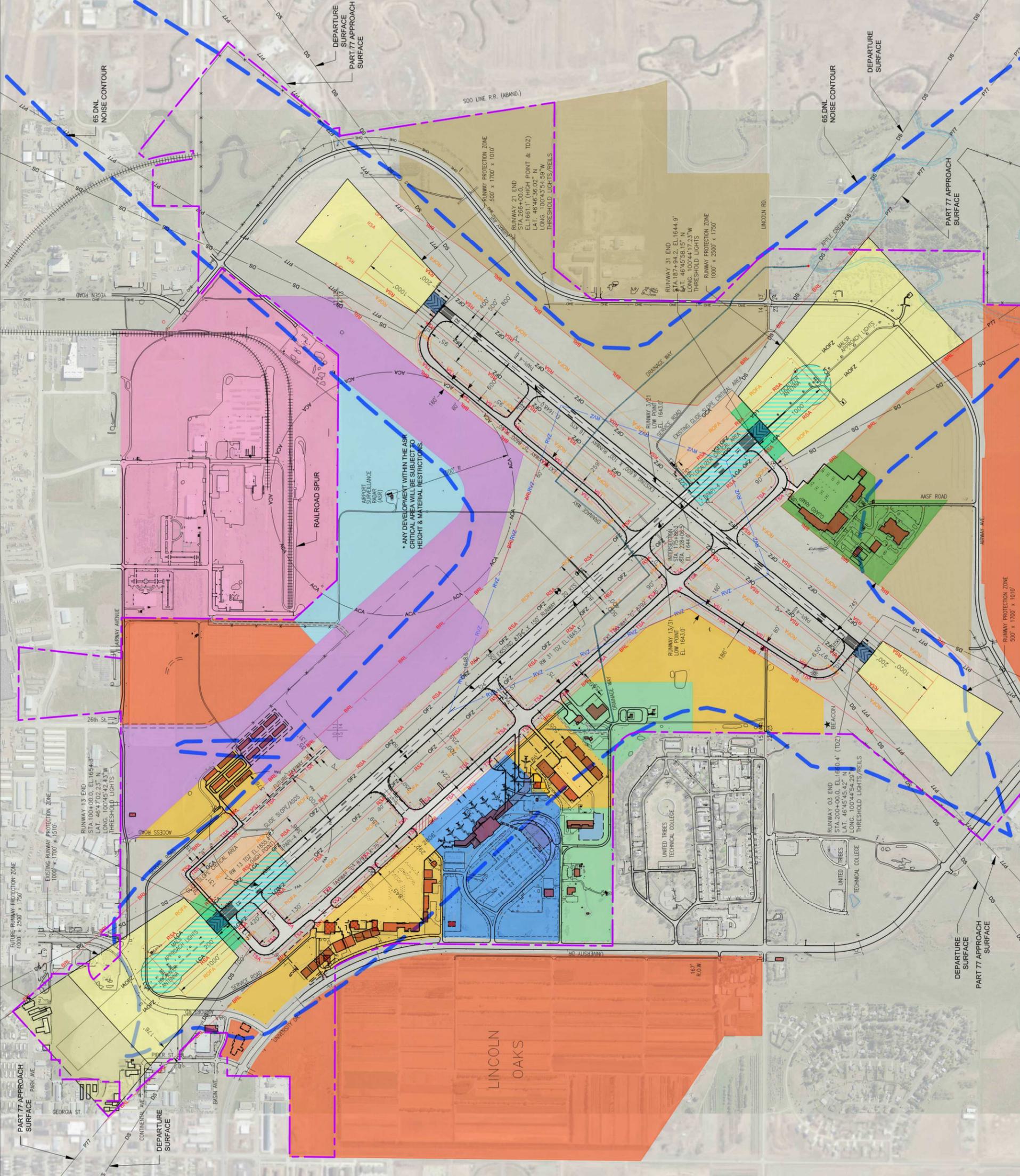


LAND USE LEGEND	
[Blue Box]	TERMINAL
[Yellow Box]	GENERAL AVIATION
[Green Box]	SUPPORT FACILITIES
[Purple Box]	FUTURE AERONAUTICAL USE *
[Orange Box]	AVIATION INDUSTRIAL
[Light Blue Box]	COMMERCIAL DEVELOPMENT
[Pink Box]	NPCC *
[Light Blue Box]	NPCC SUPPORT *
[Green Box]	NATIONAL GUARD
[Blue Dashed Line]	65 DNL NOISE CONTOUR

REVISIONS & NOTES		
NO.	DESCRIPTION	DATE

NOTES:
 * ANY DEVELOPMENT WITHIN THE ASR CRITICAL AREA WILL BE SUBJECT TO HEIGHT & MATERIAL RESTRICTIONS.
 CITY OF BISMARCK ZONING ORDINANCE TITLE 10 CHAPTER 10-09
 * SURROUNDING LAND USE SHOWN IN BISMARCK AIRPORT MASTER PLAN CHAPTER 1.

DRAWING LEGEND	
[Red Line]	AIRPORT CONTROLLED PROPERTY LINE (FEES/ASSESSMENTS)
[Black Line]	AIRPORT BUILDINGS
[Grey Line]	AIRFIELD PAVEMENT
[Blue Line]	PAVED ROADS
[Blue Line]	UNPAVED ROADS
[Blue Line]	RUNWAY PROTECTION ZONE
[Blue Line]	RUNWAY VISIBILITY ZONE
[Blue Line]	BUILDING RESTRICTION LINE
[Blue Line]	OBSTACLE FREE ZONE
[Blue Line]	RUNWAY SAFETY AREA
[Blue Line]	RUNWAY OBJECT FREE AREA
[Blue Line]	GRADE SLOPE CRITICAL AREA (GCA)
[Blue Line]	AVIATION SURVEILLANCE CRITICAL AREA (ACA)
[Blue Line]	AVIATION SURVEILLANCE CRITICAL AREA (ACA)
[Blue Line]	PRECISION OBSTACLE FREE ZONES (POFZ)
[Blue Line]	FUEL STORAGE AREA
[Blue Line]	AIRPORT BEACON
[Blue Line]	LIGHTED WIND CONE & SEGMENTED CIRCLE
[Blue Line]	WIND CONE
[Blue Line]	PRECISION APPROACH PATH INDICATOR (PAPI)
[Blue Line]	VISUAL APPROACH SLOPE INDICATOR (VASI)
[Blue Line]	RUNWAY END IDENTIFIER LIGHTS (REIL)
[Blue Line]	AIRPORT REFERENCE POINT (ARP)



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 2301 UNIVERSITY DR., BISMARCK, ND 58504

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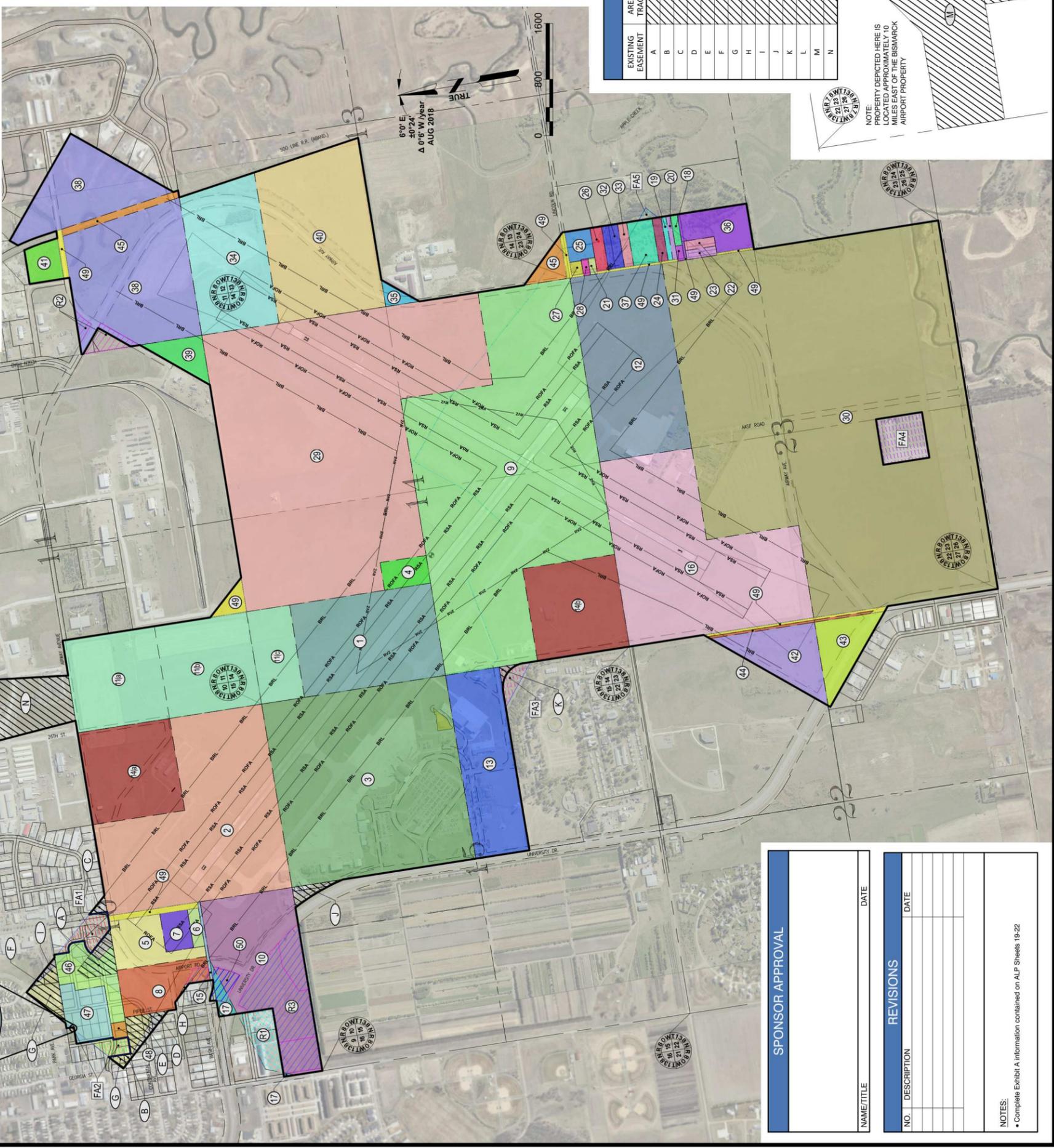
AIRPORT PROPERTY MAP - EXHIBIT 'A' PARCELS

SHEET NO: 19 of 22

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DRAWING LEGEND

EXISTING
AIRPORT CONTROLLED PROPERTY LINE (FEE & EASEMENTS)
SECTION LINE
QUARTER SECTION LINE
EXISTING PARCEL LINE
RIGHT-OF-WAY LINE
RUNWAY SAFETY AREA
RUNWAY PROTECTION ZONE
RUNWAY OBJECT FREE AREA
BUILDING RESTRICTION LINE
RUNWAY VISIBILITY ZONE
FA1
FA2
FA3
FA4
FA5
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
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R34
R35
R36
R37
R38
R39
R40
R41
R42
R43
R44
R45
R46
R47
R48
R49
R50



EXISTING PARCEL TABLE

EXISTING TRACT	AREA +/- (ACRES)	GRANTEE	DATE RECORDED	TYPE OF INSTRUMENT	FEDERAL PROJECT NUMBER
1	61.7	City of Bismarck	10/14/1940	WARRANTY DEED	9-32-035-801
2	120.4	City of Bismarck	10/22/1940	WARRANTY DEED	9-32-035-801
3	160.4	City of Bismarck	12/26/1947	QUIT CLAIM DEED	9-32-035-801
4	6.0	City of Bismarck	10/26/1948	QUIT CLAIM DEED	9-32-035-801
5	13.6	City of Bismarck	1/5/1955	WARRANTY DEED	9-32-035-504
6	2.0	City of Bismarck	10/7/1955	WARRANTY DEED	9-32-035-504
7	5.0	City of Bismarck	10/19/1955	CONDEMNATION	9-32-035-504
8	16.6	City of Bismarck	7/19/1956	WARRANTY DEED	9-32-035-0705
9	241.4	City of Bismarck	5/15/1959	CONDEMNATION	9-32-035-5907
10	60.3	City of Bismarck	8/10/1961	CONDEMNATION	9-32-035-C208
11(a)(b)(c)	99.3	City of Bismarck	6/2/1962	CONDEMNATION	9-32-035-6309
12	80.5	City of Bismarck	6/14/1962	CONDEMNATION	9-32-035-C208
13	46.8	City of Bismarck	10/10/1963	QUIT CLAIM DEED	9-32-035-C410
14(a)(b)	40.1	City of Bismarck	1/8/1964	CONDEMNATION	Unknown
15	3.4	City of Bismarck	4/10/1964	WARRANTY DEED	8-38-0003-01
16	120.8	City of Bismarck	2/19/1968	CONDEMNATION	9-32-035-C208
17	4.0	City of Bismarck	3/17/1970	WARRANTY DEED	8-38-0003-04
18	1.0	City of Bismarck	6/21/1974	WARRANTY DEED	8-38-0003-04
19	0.9	City of Bismarck	7/10/1974	WARRANTY DEED	8-38-0003-04
20	0.9	City of Bismarck	7/19/1974	WARRANTY DEED	8-38-0003-04
21	0.5	City of Bismarck	8/26/1974	WARRANTY DEED	8-38-0003-04
22	1.3	City of Bismarck	8/26/1974	WARRANTY DEED	8-38-0003-04
23	1.3	City of Bismarck	8/27/1974	WARRANTY DEED	8-38-0003-04
24	1.9	City of Bismarck	9/9/1974	WARRANTY DEED	8-38-0003-04
25	3.6	City of Bismarck	9/9/1974	WARRANTY DEED	8-38-0003-04
26	2.4	City of Bismarck	9/9/1974	WARRANTY DEED	8-38-0003-04
27	0.7	City of Bismarck	10/9/1974	WARRANTY DEED	8-38-0003-04
28	0.5	City of Bismarck	10/9/1974	WARRANTY DEED	8-38-0003-04
29	275.7	City of Bismarck	1/2/1975	CONDEMNATION	8-38-0003-04
30	432.8	City of Bismarck	4/1/1975	CONDEMNATION	8-38-0003-04
31	0.5	City of Bismarck	4/19/1975	WARRANTY DEED	8-38-0003-04
32	3.3	City of Bismarck	9/30/1975	WARRANTY DEED	8-38-0003-04
33	1.9	City of Bismarck	10/21/1975	WARRANTY DEED	8-38-0003-04
34	52.7	City of Bismarck	2/11/1976	WARRANTY DEED	8-38-0003-04
35	2.1	City of Bismarck	4/27/1976	WARRANTY DEED	8-38-0003-04
36	12.0	City of Bismarck	8/24/1976	CONDEMNATION	8-38-0003-04
37	5.2	City of Bismarck	12/16/1976	CONDEMNATION	8-38-0003-04
38	36.0	City of Bismarck	1/21/1977	CONDEMNATION	8-38-0003-04
39	7.3	City of Bismarck	3/18/1977	QUIT CLAIM DEED	8-38-0003-04
40	81.0	City of Bismarck	4/13/1977	CONDEMNATION	8-38-0003-04
41	6.1	City of Bismarck	9/29/1981	WARRANTY DEED	6-38-0003-08
42	20.6	City of Bismarck	5/27/1982	QUIT CLAIM DEED	6-38-0003-08
43	14.6	City of Bismarck	5/27/1982	CONDEMNATION	6-38-0003-08
44	1.72	City of Bismarck	1/9/2007	QUIT CLAIM DEED	Unknown
45	8.3	City of Bismarck	1/2/2008	WARRANTY DEED	Unknown
46	12.6	City of Bismarck	12/7/2009	WARRANTY DEED	Unknown
47	1.1	City of Bismarck	12/7/2009	WARRANTY DEED	Unknown
48	10.8	City of Bismarck	6/21/2010	WARRANTY DEED	Unknown
49	16.2	City of Bismarck	3/1/2011	PLAT	No Grant
50	3.0	Bismarck Municipal Airport	5/12/2017	QUIT CLAIM DEED	No Grant

EXISTING AIRPORT EASEMENT TABLE

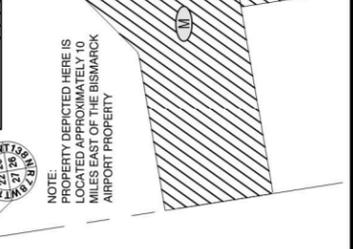
EXISTING EASEMENT	AREA (acres)	NATURE OF INTEREST	GRANTEE	DATE RECORDED	FEDERAL PROJECT NUMBER
A	4.66	Clear Zone Easement	City of Bismarck	9/9/1957	9-32-035-5706
B	0.26	Avigation and Hazard Easement	Bismarck Municipal Airport	5/13/1970	8-38-0003-01
C	0.70	Avigation and Hazard Easement	Bismarck Municipal Airport	6/22/1970	8-38-0003-01
D	0.70	Avigation and Hazard Easement	Bismarck Municipal Airport	9/11/1970	8-38-0003-01
E	3.50	Avigation and Hazard Easement	Bismarck Municipal Airport	9/11/1970	8-38-0003-01
F	0.39	Avigation and Hazard Easement	Bismarck Municipal Airport	10/20/1970	8-38-0003-01
G	4.14	Avigation and Hazard Easement	Bismarck Municipal Airport	10/20/1970	8-38-0003-01
H	0.12	Avigation and Hazard Easement	Bismarck Municipal Airport	10/20/1970	8-38-0003-01
I	1.22	Avigation and Hazard Easement	Bismarck Municipal Airport	4/26/1971	8-38-0003-01
J	2.16	Access Easement	City of Bismarck	6/8/2004	Unknown
K	0.61	Access Easement	City of Bismarck	7/12/2005	Unknown
L	14.3	Conservation Easement Agreement	City of Bismarck	11/17/2014	AIP 53
M	82.37	Conservation Easement Agreement	City of Bismarck	11/17/2014	AIP 53
N	22.39	Amendment to Easement Granted in Condemnation (Avigation)	City of Bismarck	10/27/2015	9-32-035-6309

FAA RELEASE TABLE

TRACT	AREA +/- (ACRES)	DATE RECORDED	TYPE OF INSTRUMENT	FEDERAL PROJECT NUMBER
R1	7.49	7/25/1973	POST APPROVAL OF LAND EXCHANGE	9-32-035-C208
R2	4.78	9/5/2013	RELEASE FOR LAND SALE	8-38-0003-04
R3	33.3	9/11/2017	RELEASE FROM AERONAUTICAL	9-32-035-705

ULTIMATE PARCEL TABLE

ULTIMATE TRACT	AREA +/- (ACRES)	TYPE OF INSTRUMENT	OWNER
FA1	4.6		
FA2	2.4		
FA3	3.0		
FA4	10.1		
FA5	0.5		



SPONSOR APPROVAL

NAME/TITLE	DATE

REVISIONS

NO.	DESCRIPTION	DATE

NOTES:
 • Complete Exhibit A Information contained on AIP Sheets 19-22

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CITY OF BISMARCK
BISMARCK AIRPORT LAYOUT PLAN
 2301 UNIVERSITY DR., BISMARCK, ND 58504

ISSUED

NOT FOR CONSTRUCTION
 M&H PROJECT: 2718000-140283.01
 AP NO: 3-38-003-055-2015
 DATE: JAN 2019
 DESIGNED BY: M&H
 DRAWN BY: JWB
 CHECKED BY: MRB
 DO NOT SCALE DRAWINGS

AIRPORT PROPERTY
MAP - EXHIBIT 'A'
EASEMENTS

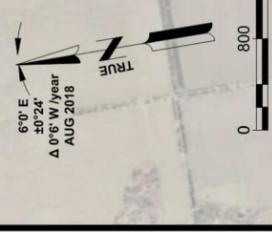
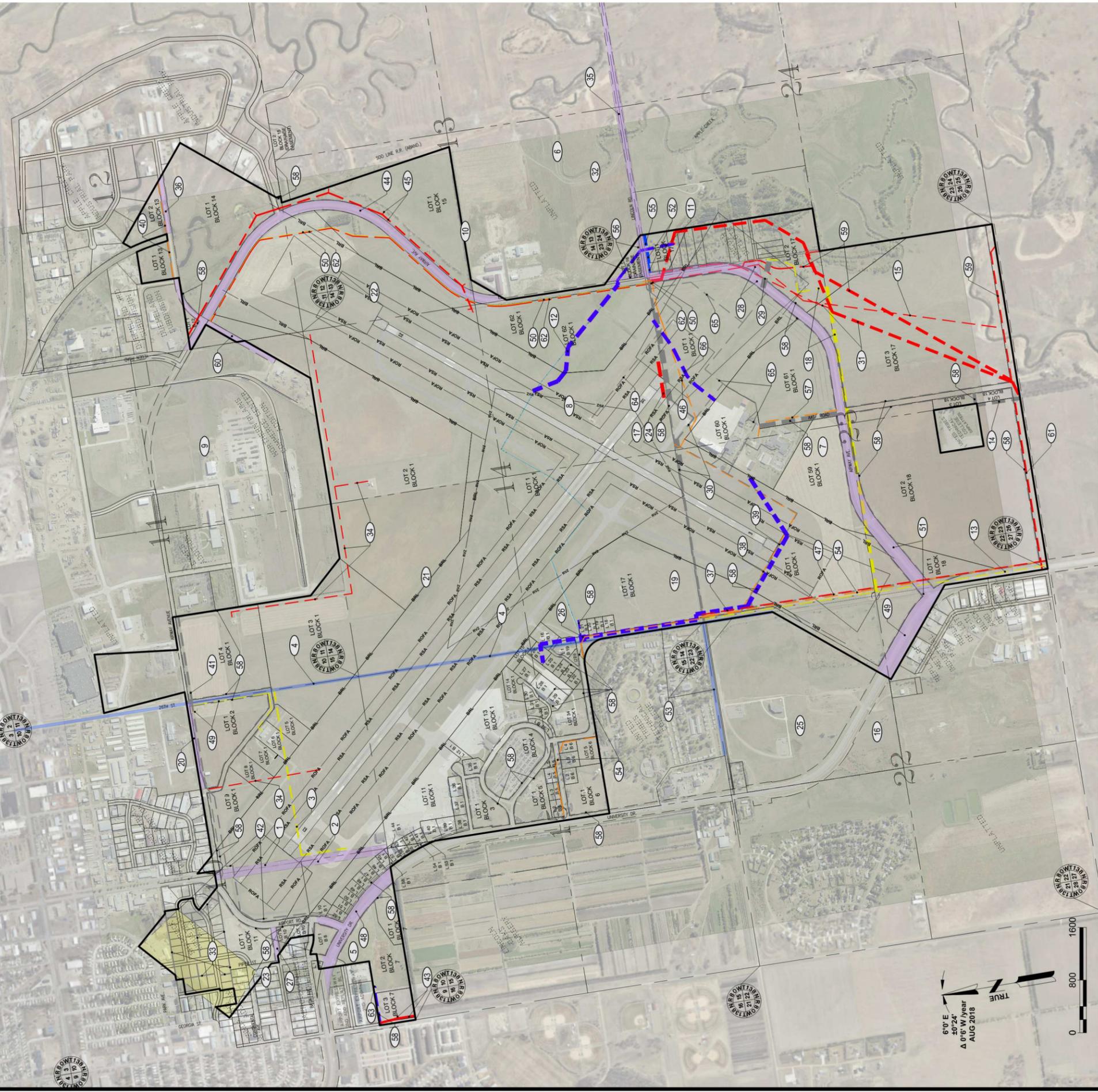
SHEET NO: 21 of 22

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EXISTING EASEMENT	NATURE OF INTEREST	GRANTEE	DATE RECORDED
1	Right-of-Way Plat	Public	2/27/1935
2	Right-of-Way Plat	Public	5/7/1935
3	Easement Agreement	City of Bismarck	5/13/1936
4	Section Line Road Closure Agreement	Public	7/19/1940
5	Transmission Line Right-of-Way Agreement	The Dakota Public Service Company	5/5/1941
6	Easement	The Dakota Public Service Company	10/19/1945
7	Right-of-Way Easement	Capital Electric Cooperative	4/9/1954
8	Right-of-Way Easement	Capital Electric Cooperative, Inc.	4/9/1954
9	Right-of-Way Easement	Capital Electric Cooperative	4/9/1954
10	Right-of-Way Easement	Capital Electric Cooperative	4/9/1954
11	Drainage Ditch Easement	City of Bismarck	2/23/1950
12	Drainage Ditch Easement	City of Bismarck	2/27/1950
13	Pipeline and Telephone Line Easement	Montana-Dakota Utilities Co.	5/13/1958
14	Easement	United States of America	8/15/1958
15	Right-of-Way Easement	Capital Electric Cooperative	3/25/1959
16	Right-of-Way Easement	Capital Electric Cooperative	3/23/1961
17	Right-of-Way Permit	Northwestern Bell Telephone Company	10/20/1961
18	Right-of-Way Easement	Montana-Dakota Utilities Co.	2/23/1962
19	Right-of-Way Permit	Northwestern Bell Telephone Company	6/25/1962
20	Easement	City of Bismarck	5/13/1963
21	Right-of-Way Easement	Capital Electric Cooperative, Inc.	3/4/1965
22	Right-of-Way Easement	Capital Electric Cooperative	3/1/1966
23	Right-of-Way Easement	Capital Electric Cooperative	3/1/1966
24	Electric Line Easement	Montana-Dakota Utilities Co.	10/23/1967
25	Right-of-Way Easement	Northwestern Bell Telephone Company	9/9/1970
26	Easement	United Tribes of ND Development Corp	2/25/1974
27	Right-of-Way Plat	Public	12/23/1974
28	Easement	Public	1/24/1978
29	Easement	Public	1/24/1978
30	Easement	Montana-Dakota Utilities Co. and Northwestern Bell Telephone Company	12/20/1978
31	Easement	Capital Electric Cooperative	12/20/1978
32	Easement	Northwestern Bell Telephone Company	4/2/1981
33	Plat	Public/City of Bismarck	4/27/1981
34	Underground Electrical Easement	Capital Electric Cooperative	1/22/1982
35	Right-of-Way Easement	Burleigh County	6/20/1986
36	OCD	Public	1/2/1987
37	Right-of-Way Easement	Capital Electric Cooperative	7/23/1986
38	Easement	Northwestern Bell Telephone Company	11/18/1986
39	Easement	Montana Dakota Utilities	11/20/1986
40	Easement	US West Communication	10/10/1995
41	Underground Easement	US West Communications, Inc.; Montana-Dakota Utilities Co. and Sioux Falls Cable Television	10/27/1995
42	Easement	US West Communications, Inc.; Montana-Dakota Utilities Co. and Sioux Falls Cable Television	4/30/1996
43	Easement Agreement	Capital Electric Cooperative	1/28/1997
44	Dedication	Public	5/28/1997
45	Easement Agreement	Capital Electric Cooperative	12/29/1997
46	Easement	U. S. West Communications, Inc.	8/17/1999
47	Easement	University of Mary	5/17/2002
48	Easement	ND Department of Transportation	11/20/2002
49	Easement	Montana-Dakota Utilities Company	4/3/2003
50	Easement	Montana-Dakota Utilities Company	4/3/2003
51	Right-of-Way Plat	Public	6/6/2003
52	Easement Agreement	City of London	8/31/2004
53	Section Line Road Closure	Public	8/28/2005
54	Easement Agreement	Montana Dakota Utilities	5/27/2006
55	Right-of-Way Easement	City of Bismarck	3/1/2011
56	Right-of-Way Easement	City of Bismarck	3/1/2011
57	Easement Agreement	Montana Dakota Utilities Co.	1/21/2011
58	Plat	Public	3/1/2011
59	Easement Agreement	Capital Electric Cooperative	8/3/2011
60	Access Easement	Northern Metals, LLC	6/13/2013
61	Right-of-Way Easement	Capital Electric Cooperative	12/4/2013
62	Easement Agreement	Montana Dakota Utilities	3/10/2014
63	Easement Agreement	Paramount Builders, Inc.	6/2/2014
64	Easement Agreement	Montana Dakota Utilities & Quest Corporation	8/2/2018
65	Easement Agreement	Montana Dakota Utilities & Quest Corporation	8/2/2018
66	Easement Agreement	State of North Dakota	2/20/2018

DRAWING LEGEND

EXISTING	EXISTING
ACCESS EASEMENT	ACCESS EASEMENT
ROAD RIGHT-OF-WAY	ROAD RIGHT-OF-WAY
ELECTRICAL EASEMENT	ELECTRICAL EASEMENT
TELEPHONE EASEMENT	TELEPHONE EASEMENT
OAS EASEMENT	OAS EASEMENT
GENERAL UTILITY EASEMENT	GENERAL UTILITY EASEMENT
LOT LINE	LOT LINE
RIGHT-OF-WAY LINE	RIGHT-OF-WAY LINE
AIRPORT CONTROLLED PROPERTY LINE (EASEMENTS)	AIRPORT CONTROLLED PROPERTY LINE (EASEMENTS)
RUNWAY SAFETY AREA	RSA
RUNWAY PROTECTION ZONE	ROFA
RUNWAY OBJECT FREE AREA	BRL
BUILDING RESTRICTION LINE	BRL
RUNWAY VISIBILITY ZONE	PVZ



EXISTING EASEMENT TABLE

EXISTING EASEMENT	NATURE OF INTEREST	GRANTEE	GRANTOR	DATE RECORDED	RECORD DOCUMENT INFORMATION	Notes
1	Right-of-Way Plat	Public	North Dakota Department of Transportation	2/27/1935	Book 225, Page 30	Right-of-way plat for a 60' wide strip across the west side of the SE1/4 Sec. 10
2	Right-of-Way Plat	Public	North Dakota Department of Transportation	5/7/1935	Book 225, Page 31	Right-of-way plat for a 60' wide strip across the west side of the SE1/4 Sec. 10
3	Agreement	City of Bismarck	Montana-Dakota Utilities Company	5/13/1936	Book 228, Page 123	Agreement for a gas line to be placed in a 20' wide strip across the S1/2 of the SE1/4 Sec. 10
4	Resolution	Public	Burleigh County	7/19/1940	Book 274, Page 280	Resolution to close section line roads between Sec. 10 & 11 and between Sec. 14 & 15
5	Agreement	The Dakota Public Service Company	Wachters Transfer Corp & Wachters Incorporated	5/5/1941	Book 237, Page 601	Easement for a transmission line across a strip no more than 20' wide across the S1/2 of the SW1/4 Sec. 10
6	Easement	The Dakota Public Service Company	C.D. Yegen	10/19/1945	Book 259, Page 63	Easement for transmission line along the south side of S1/2 Sec. 13. No width defined in abstract.
7	Easement	Capital Electric Cooperative	James J. Lindley	4/9/1954	Book 308, Page 13	Blanket right-of-way easement for a transmission line over all of Sec. 23. No width defined in abstract.
8	Easement	Capital Electric Cooperative, Inc.	Paul Wachter and Eugene Wachter	4/9/1954	Book 308, Page 4	Blanket right-of-way easement for a transmission line over the SE1/4 Sec. 14. No width defined in abstract.
9	Easement	Capital Electric Cooperative	Board of Administration, State of North Dakota	4/9/1954	Book 308, Page 2	Blanket right-of-way easement for a transmission line over the SE1/4 Sec. 11. No width defined in abstract.
10	Easement	Capital Electric Cooperative	Wm. Schantz / CP Yegen	4/9/1954	Book 308, Page 3	Blanket transmission or distribution line easement across the NW1/4 Sec. 13 and SW1/4 Sec. 13. No width defined in abstract.
11	Easement	City of Bismarck	Randall Ross Boyd and Charlette L. Boyd	2/23/1950	Book 274, Page 504	40' Easement for a drainage ditch over the NW1/4 Sec. 24
12	Easement	City of Bismarck	Eugene Wachter	2/27/1950	Book 274, Page 505	60' Easement for a drainage ditch over the S1/2 Sec. 14
13	Easement	Montana-Dakota Utilities Co.	Oscar T. Solberg and Grace D. Solberg	5/13/1958	Book 326, Page 162	10' Easement for a gas pipe line over the W1/2 of Sec. 23
14	Easement	United States of America	Oscar T. Solberg and Grace D. Solberg	8/15/1958	Book 326, Page 274	50' Easement for utility lines and access road across the East 50' of the SE1/4 of the SW1/4 of Sec. 23
15	Easement	Capital Electric Cooperative	Oscar T. Solberg	3/25/1959	Book 308, Page 81	Blanket right-of-way easement for a transmission line across Sec. 23. No width defined in abstract.
16	Easement	Capital Electric Cooperative	Dan J. McDonald	3/23/1961	Book 308, Page 106	Blanket right-of-way easement for a transmission line across Sec. 22. No width defined in abstract.
17	Permit	Northwestern Bell Telephone Company	City of Bismarck	10/20/1961	Book 349, Page 161	Permit for the perpetual right to construct telephone lines located approx. 42' north of the south line of the SE1/4 of the S1/2 of the SE1/4 Sec. 7. No width or Sec. # defined in abstract.
18	Easement	Montana-Dakota Utilities Co.	Oscar T. Solberg and Grace D. Solberg	2/23/1962	Book 328, Page 472	50' and 14' easement for gas pipeline over part of Sec. 23
19	Permit	Northwestern Bell Telephone Company	Helein Wachter	6/215/1962	Book 349, Page 454	Permit for the perpetual right to construct telephone lines located approx. 42' north of the south line of the SW1/4 of Sec. 14. No width defined in abstract.
20	Easement	City of Bismarck	Wachter Real Estate Trust	5/13/1963	Book 359, Page 311	60' Easement for roadway across the North 66' of the NE1/4 of the SE1/4 Sec. 10
21	Easement	Capital Electric Cooperative, Inc.	Wachter Ranch	3/4/1965	Book 308, Page 178	Blanket easement for transmission line over the NW1/4 Sec. 14. No width defined in abstract.
22	Easement	Capital Electric Cooperative	Harley B. Thom	3/1/1966	Doc. No. 213810	Blanket easement for transmission line over the NW1/4 Sec. 13. No width defined in abstract.
23	Easement	Capital Electric Cooperative	Northern Improvement Company	3/1/1966	Doc. No. 213809	Blanket easement for transmission line over the NW1/4 Sec. 14. No width defined in abstract.
24	Easement	Montana-Dakota Utilities Co.	City of Bismarck	10/23/1967	Doc. No. 221331 & 221483	Blanket easement for transmission line over the NW1/4 Sec. 10. No width defined in abstract.
25	Easement	Northwestern Bell Telephone Company	Dan J. McDonald	9/9/1970	Doc. No. 234829	12' easement for underground electric line in the S1/2 of the SE1/4 of Sec. 14
26	Easement	United Tribes of ND Development Corp	City of Bismarck	2/25/1974	Doc. No. 253804	Blanket easement across the N1/2 N1/2 Sec. 22. No width defined in abstract.
27	Right-of-Way Plat	Public	City of Bismarck	12/23/1974	Doc. No. 259922	Grant for highway purposes over the N1/2 of the SW1/4 Sec. 10
28	Easement	Public	City of Bismarck	1/24/1978	Doc. No. 287748	Easement for street and highway purposes over the N1/2 & NE1/4 Sec. 23
29	Easement	Public	City of Bismarck	1/24/1978	Doc. No. 287749	80' easement for water and sewer purposes over the NE1/4 of Sec. 23
30	Easement	Montana-Dakota Utilities Co. and Northwestern Bell Telephone Company	City of Bismarck	12/20/1978	Doc. No. 295939	Multiple easements with multiple widths for underground utilities over part of Sec. 23
31	Easement	Capital Electric Cooperative	City of Bismarck	12/20/1978	Doc. No. 295400	40' easement for transmission line over the E1/2 Sec. 23
32	Easement	Northwestern Bell Telephone Company	Chris Yegen	4/2/1981	Doc. No. 320698	10' blanket easement for telephone line in part of the S1/2 of the SW1/4 Sec. 13
33	Plat	Public/City of Bismarck	Lazy S Ranch/ McCormick Properties/ City of Bismarck	4/27/1981	Doc. No. 321299	Plat of Shamrock Industrial Park located in the W1/2 Sec. 10
34	Easement	Capital Electric Cooperative	City of Bismarck	1/22/1982	Doc. No. 327336	Multiple 10' wide easements in Sec. 10, 11 & 14
35	Right-of-Way Plat	Burleigh County	Public	6/20/1986	Doc. No. 370663	Right-of-Way plat over the SW1/4 Sec. 13
36	Quit Claim Deed	Public	City of Bismarck	1/2/1987	Doc. No. 376844	Quit Claim Deed for public right-of-way for part of the S1/2 Sec. 12
37	Easement	Capital Electric Cooperative	City of Bismarck	7/23/1986	Doc. No. 371696	14' wide easement for transmission line over part of Sec. 23
38	Easement	Northwestern Bell Telephone Company	City of Bismarck	11/18/1986	Doc. No. 375392	10' wide easement for underground utility over part of the N1/2 Sec. 23
39	Easement	Montana Dakota Utilities	City of Bismarck	11/20/1986	Doc. No. 375446	10' wide easement for underground utility over part of the N1/2 Sec. 23
40	Easement	US West Communication	City of Bismarck	10/10/1995	Doc. No. 477381	10' wide easement for telecommunication facilities in part of Sec. 12 (AMENDED)
41	Easement	US West Communications, Inc.; Montana-Dakota Utilities Co. and Sioux Falls Cable Television	City of Bismarck	10/27/1995	Doc. No. 478036	25' and a 40' wide easement over the part of the NW1/4 of the SW1/4 Sec. 11
42	Easement Agreement	US West Communications, Inc.; Montana-Dakota Utilities Co. and Sioux Falls Cable Television	City of Bismarck	4/30/1996	Doc. No. 489329	Easement agreement for a 15' wide strip to construct utilities in part of the N1/2 of the SE1/4 and the NE1/4 of the SW1/4 Sec. 10
43	Easement Agreement	Capital Electric Cooperative	City of Bismarck	1/28/1997	Doc. No. 494074	30' easement for electrical facilities over part of the SW1/4 Sec. 10
44	Dedication	Public	City of Bismarck	5/28/1997	Doc. No. 497870	150' wide dedication to the public for public roadway over the W1/2 Sec. 13 and the SW1/4 Sec. 12
45	Easement Agreement	Capital Electric Cooperative	City of Bismarck	12/29/1997	Unknown	20' easement agreement for electrical facilities over the NE1/4 Sec. 14, NW1/4 Sec. 13, SW1/4 Sec. 12 and SE1/4 Sec. 11
46	Easement Agreement	U. S. West Communications, Inc.	City of Bismarck	8/17/1999	Doc. No. 531711	10' easement for electrical facilities over the SE1/4 Sec. 14 and the NE1/4 Sec. 23
47	Easement	University of Mary	City of Bismarck	5/17/2002	Doc. No. 573617	Multiple width easements for utilities over Sec. 23
48	Easement	ND Department of Transportation	City of Bismarck	11/20/2002	Doc. No. 583717	Easement for public highway over part of the SW1/4 of Sec. 10
49	Easement Agreement	Montana-Dakota Utilities Company	City of Bismarck	4/3/2003	Doc. No. 592881	Easement agreement for two 10' strips for natural gas facilities over part of the NE1/4 of the SE1/4 Sec. 10
50	Easement Agreement	Montana-Dakota Utilities Company	City of Bismarck	4/3/2003	Doc. No. 592882	15' wide easement for utilities located in part of Sec. 11, 12, 13 & 14
51	Right-of-Way Plat	Public	North Dakota Department of Transportation	6/6/2003	Doc. No. 598050	Right-of-Way plat for highway proposed over part of the SE1/4 Sec. 22 and the SW1/4 Sec. 23
52	Easement Agreement	City of Lincoln	City of Bismarck	8/31/2004	Doc. No. 624733	20' and 40' easement for watermain in part of Lots 1,3, & 4 of Lincoln Outlots
53	Affidavit of Section Line Closure	Public	Burleigh County	8/8/2005	Doc. No. 641482	Affidavit of Section Line Closure to vacate the public ways between part of Sec. 15 & 22, Sec. 22 & 23, and Sec. 14 & 15
54	Easement Agreement	Montana Dakota Utilities	City of Bismarck	5/27/2006	Doc. No. 657061	10' easement agreement for fiber cable facilities through parts of Sec. 23, Sec. 14 & Sec. 15
55	Easement	City of Bismarck	City of Bismarck	3/1/2011	Doc. No. 741493	42' easement for street and highway over part of Lot 1, Block 17 of Bismarck Airport Addition
56	Easement	City of Bismarck	City of Bismarck	3/1/2011	Doc. No. 741492	42' easement for street and highway over part of Lot 1, Block 16 of Bismarck Airport Addition
57	Easement Agreement	Montana Dakota Utilities Co.	City of Bismarck	1/21/2011	Doc. No. 739746	10' wide easement for fiber cable facilities over part of the NE1/4 Sec. 23
58	Plat	Public	City of Bismarck/ ND Association of Soil Conservation Districts	3/1/2011	Doc. No. 741481	Plat of Bismarck Airport Addition
59	Easement Agreement	Capital Electric Cooperative	City of Bismarck	8/3/2011	Doc. No. 748532	40' and 15' easement for underground electric facilities over Lots 2 & 3 of Block 17 of Bismarck Airport Addition
60	Easement	Northern Metals, LLC	City of Bismarck	6/13/2013	Doc. No. 789127	80' easement for access over part of Lot 1, Block 1 Northern Plains Commerce Centre Addition & part of Lot 2, Block 1 of Bismarck Airport Addition
61	Easement	Capital Electric Cooperative	City of Bismarck	12/4/2013	Doc. No. 795114	20' easement for transmission line over part of the SW1/4 Sec. 23
62	Easement Agreement	Montana Dakota Utilities	City of Bismarck	3/10/2014	Doc. No. 803059	15' wide easement for electrical line located in part of Sec. 11, 12, 13 & 14 (same easement location as encumbrance 50)
63	Easement Agreement	Paramount Builders, Inc.	City of Bismarck	6/2/2014	Doc. No. 806759	20' wide easement for storm sewer located in part of Lot 2, Block 7, Bismarck Airport Addition
64	Easement Agreement	Montana Dakota Utilities & Quest Corporation	City of Bismarck	8/2/2018	Doc. No. 875431	Easement for utility lines located in part of Lots 1 & 62 of Block 1 of Bismarck Airport Addition
65	Easement Agreement	Montana Dakota Utilities & Quest Corporation	City of Bismarck	8/2/2018	Doc. No. 875432	Easement for utility lines located in part of Lot 1, 60, 61 & 62, of Block 1 of Bismarck Airport Addition.
66	Easement Agreement	State of North Dakota	City of Bismarck	2/20/2018	Doc. No. 868655	Release and reassigns a 50' easement for storm sewer purposed in part of Lot 1, Block 1 of Bismarck Airport Addition



Mead and Hunt, Inc.
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Bismarck, ND 58504
phone: 701-566-6448
meadhunt.com



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CITY OF BISMARCK
BISMARCK AIRPORT LAYOUT PLAN
2301 UNIVERSITY DR., BISMARCK, ND 58504

ISSUED

NOT FOR CONSTRUCTION

MMH PROJECT: 2718000-140293.01
AP NO: 3-38-003-055-2015
DATE: JAN 2019
DESIGNED BY: M&H
DRAWN BY: JWB
CHECKED BY: MRB
DONOT SCALE DRAWINGS

SHEET CONTENTS
AIRPORT PROPERTY
MAP - EXHIBIT 'A'
EASEMENT TABLE

SHEET NO.: 22 of 22

22