



U.S. Department
of Transportation

**Federal Aviation
Administration**

Alaskan Region Airports Division

222 W. 7th Avenue, Box 14
Anchorage, Alaska 99513-7587
Tel. (907) 271-5438
Fax (907) 271-2851

June 14, 2021

Jenelle Brinkman, P.E.
Central Region Aviation Design Group Chief
Department of Transportation and Public
Facilities, State of Alaska
4111 Aviation Avenue
PO Box 196900
Anchorage, AK 99519

Dear Ms. Brinkman,

Nikolai Airport, Nikolai, Alaska
Airport Layout Plan Conditional Approval
Airspace Case No. 2021-AAL-148-NRA

The Nikolai Airport Layout Plan (ALP), prepared by State of Alaska DOT&PF, and bearing your signature, is conditionally approved. A signed copy of the approved ALP is enclosed.

An aeronautical study (no. 2021-AAL-148-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 to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.

The FAA Reauthorization Act of 2018, Section 163(d), has limited the FAA's review and approval authority for ALPs. This approval is based on and limited to those portions of the ALP that:

- a. Materially impact the safe and efficient operation of aircraft at, to, or from the airport;
- b. Adversely affect the safety of people or property on the ground adjacent to the airport as a result of aircraft operations; or
- c. Adversely affect the value of prior Federal investments to a significant extent.

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 area 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 ordinances, property acquisition, aviation easements, letters of agreement or other means.

This ALP approval is conditioned on acknowledgement that any development on airport property requiring Federal environmental approval must receive such written approval from FAA prior to commencement of the subject development. 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.

Please attach this letter to the Airport Layout Plan and retain it in your files. We look forward to working with you in the continued development of the Nikolai airport. If you have any questions, please contact Jonathan Linquist, Community Planner, at our office at 907-271-5040.

Sincerely,

KATRINA C.
MOSS

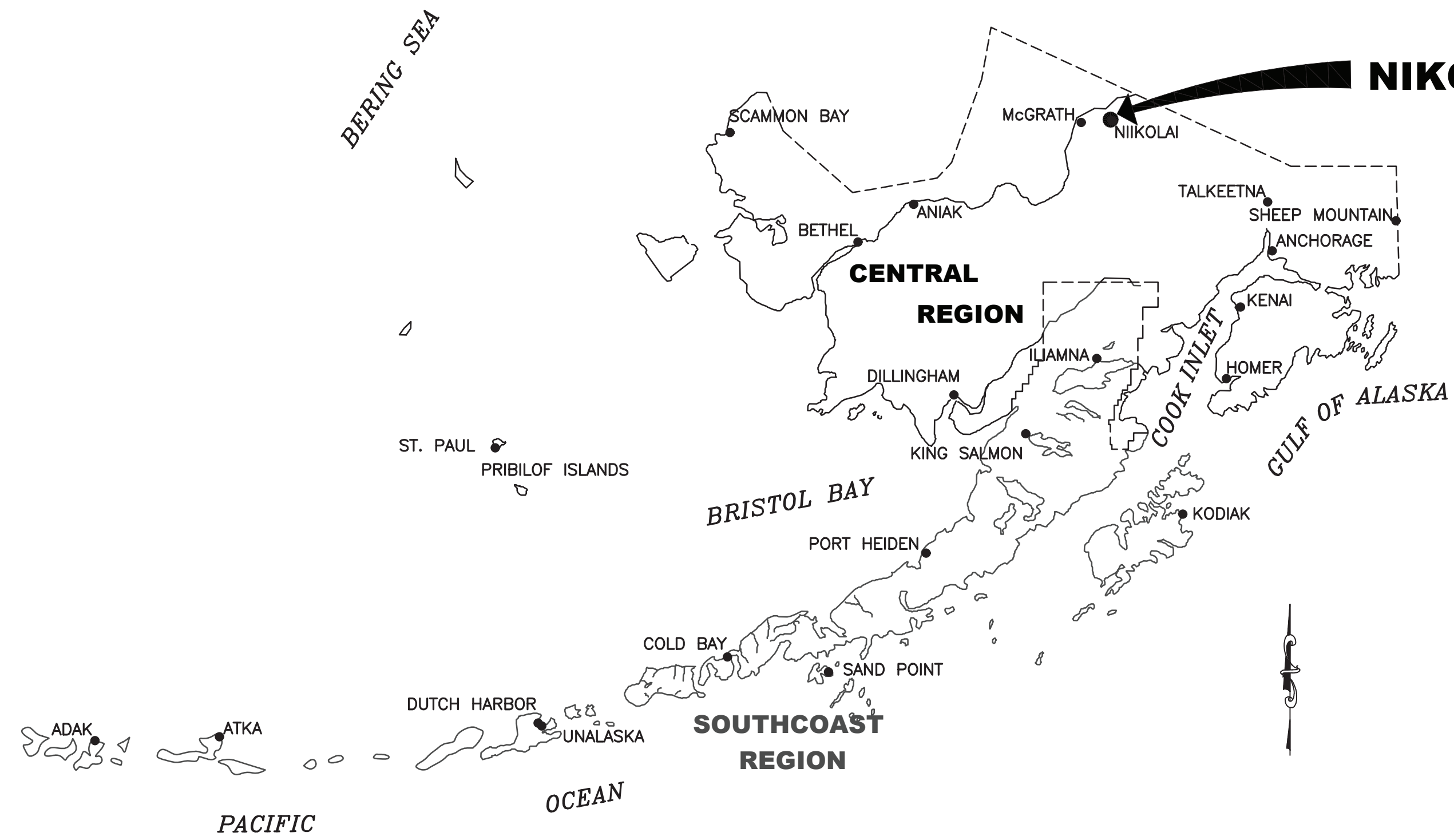


Digitally signed by
KATRINA C. MOSS
Date: 2021.06.14
08:16:18 -08'00'

Katrina C. Moss
Lead Community Planner

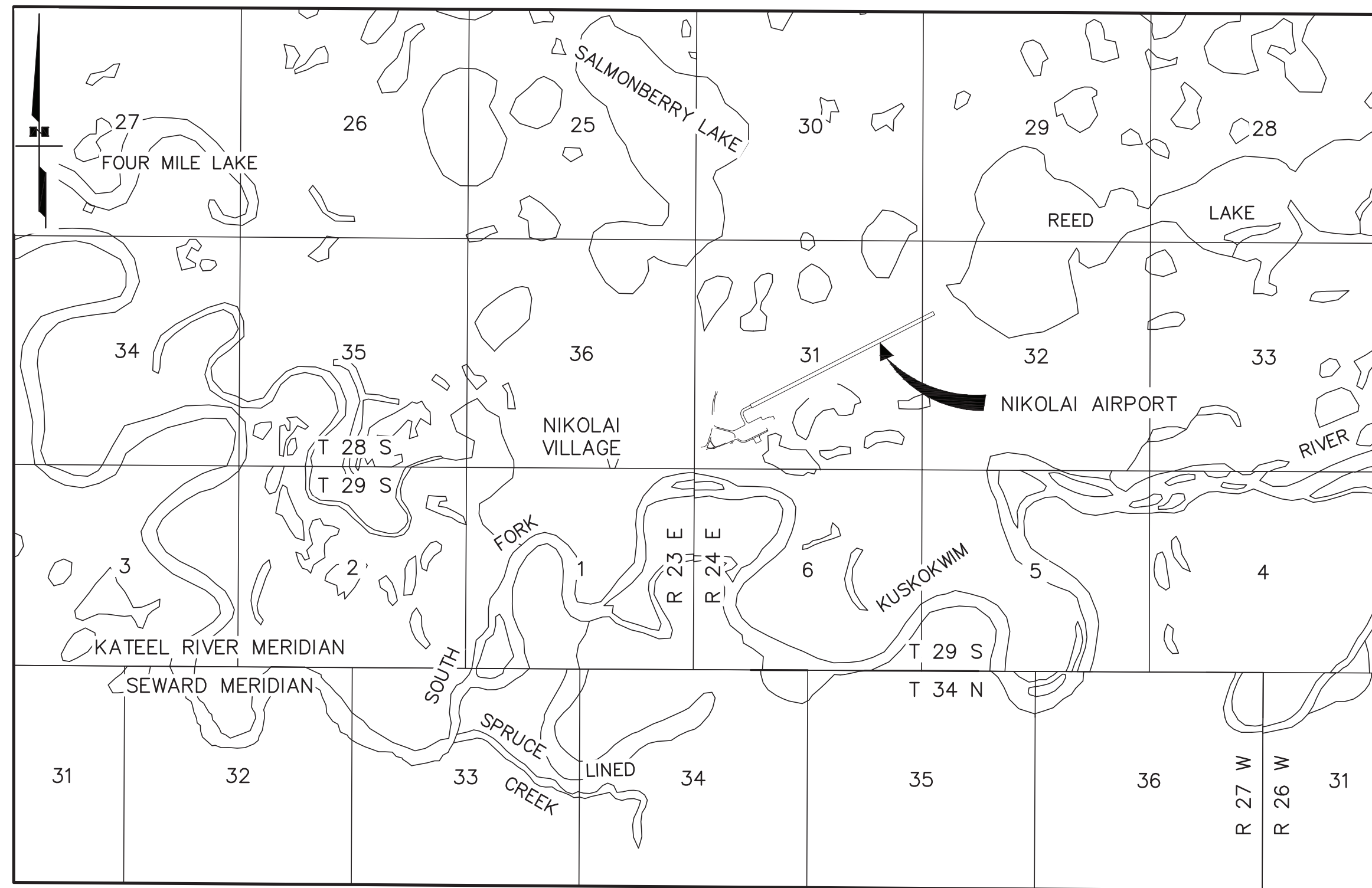
Enclosure

Designed By: GB
 Drawn By: RJB
 Checked By: MHH



ALASKA CENTRAL REGION LOCATION MAP

NOT TO SCALE



VICINITY MAP



T 28 S, R 24 E, SEC. 31, 32, & T 28 S, R 23 E, SEC. 36
 KATEEL RIVER MEDIAN
 U.S.G.S. MEDFRA (A-3) 1954, ALASKA

NIKOLAI AIRPORT AIRPORT LAYOUT PLAN NIKOLAI, ALASKA

LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (A.R.P.)		
ANTENNA		
APPROACH SURFACE		
BUILDINGS		
BUILDING RESTRICTION LINE		
DEPARTURE SURFACE		
FAA WEATHER STATION		
FENCE		
PAPI		
PROPERTY LINE		
PARCEL LINE		
REIL		
ROADWAYS		
ROTATING BEACON		
RUNWAY OBJECT FREE AREA		
RUNWAY OBSTACLE FREE ZONE		
RUNWAY PROTECTION ZONE		
RUNWAY SAFETY AREA		
RUNWAY VISIBILITY ZONE		
SEGMENTED CIRCLE		
SHORELINE		
SURVEY MONUMENT		
TERRAIN OBSTRUCTION (HIGHEST POINT)		
THRESHOLD MARKERS/LIGHTS		
THRESHOLD SITING SURFACE		
TOPOGRAPHIC CONTOURS		
TREE		
TREELINE		
UTILITY POLE		
WATER BODY		
WIND CONE		
WIND TURBINE		

DRAWING INDEX	
SHT #	SHEET TITLE
1	COVER
2	AIRPORT DATA
3	WIND ROSE
4	EXISTING LAYOUT
5	ULTIMATE LAYOUT
6	EXISTING INNER PORTION OF THE APPROACH SURFACE - RW 05
7	EXISTING OBSTRUCTION TABLES - RW 05
8	EXISTING INNER PORTION OF THE APPROACH SURFACE - RW 23
9	EXISTING OBSTRUCTION TABLES - RW 23
10	ULTIMATE INNER PORTION OF THE APPROACH SURFACE - RW 05
11	ULTIMATE OBSTRUCTION TABLES - RW 05
12	ULTIMATE INNER PORTION OF THE APPROACH SURFACE - RW 23
13	ULTIMATE OBSTRUCTION TABLES - RW 23
14	EXISTING DEPARTURE SURFACE RW 05-23
15	ULTIMATE DEPARTURE SURFACE RW 05-23
16	DEPARTURE OBSTRUCTION TABLES
17	RUNWAY PROFILES
18	AIRPORT AIRSPACE, 14 CFR, PART 77
19	AIRPORT PROPERTY MAP

THESE PLANS HAVE BEEN PREPARED IN FEET.

BY	DATE	REVISION

APPROVED:
 Luke Bowland
 Digitally signed by Luke Bowland
 Date: 2021.06.08 15:43:43 -08'00'
LUKE BOWLAND, P.E.
PRECONSTRUCTION ENGINEER

RECOMMENDED:
 Jenelle Brinkman
 Digitally signed by Jenelle Brinkman
 Date: 2021.06.08 10:36:05 -08'00'
JENELLE BRINKMAN, P.E.
AVIATION DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO
 ALP APPROVAL LETTER DATED 8/14/2021
 FAA AIRSPACE REVIEW NUMBER: 2021-AAL-148-NRA

KATRINA C. MOSS
 Digitally signed by KATRINA C. MOSS
 Date: 2021.06.14 08:19:14 -08'00'
KATRINA C. MOSS
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-612

**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION**

**NIKOLAI AIRPORT
NIKOLAI, ALASKA
AIRPORT LAYOUT PLAN**

COVER

DATE:
6/07/2021
SHEET:
1 OF
19

Date Plotted: 6/07/2021, 1:33 PM
 Layout Name: Cover
 File Name: W:\Projects\Nikolai\ALP\Nikolai_Airport_Layout_Plan\CAD\Final Drawings\ALP-FP-Cover.dwg

Date Plotted: 6/07/2021 1:33 PM
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 File Name: W:\Projects\Nikolai\ALP\Nikolai\ALP\Airport Layout_Plan\CAD\VP\Drawings\ALP-FSP-Data Tables.dwg
 Designed By: GB
 Drawn By: RJB
 Checked By: MHH

AIRPORT DATA		
ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	PAFS	PAFS
NATIONAL AIRPORT IDENTIFIER	FSP	FSP
FAA SITE NUMBER	50529.9*A	50529.9*A
AIRPORT ELEVATION NAVD88	447.3	447.3
AIRPORT REFERENCE CODE	A-II(s)	A-II(s)
MEAN MAX. TEMPERATURE, HOTTEST MONTH	66.3°F JUNE	
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	12.78' E, 2025 17.4' W/YEAR	
CRITICAL AIRCRAFT OR AIRCRAFT GROUP	A-II(s)	A-II(s)
AIRPORT AND TERMINAL NAVIGATION AIDS	GPS, ROTATING BEACON	GPS, ROTATING BEACON
MISCELLANEOUS FACILITIES	LIGHTED WINDCONE, WEATHER STATION, SEGMENTED CIRCLE, WEATHER CAMERA	LIGHTED WINDCONE, WEATHER STATION, SEGMENTED CIRCLE, WEATHER CAMERA
NPIAS SERVICE LEVEL	GA	GA
STATE EQUIVALENT SERVICE ROLE	COMMUNITY OFF-ROAD	COMMUNITY OFF-ROAD

GEOGRAPHIC COORDINATES		
ITEM	EXISTING	ULTIMATE
ARP		
LATITUDE	63°01'06.81"N	63°01'06.81"N
LONGITUDE	154°21'30.37"W	154°21'30.37"W
THRESHOLD RW 05		
LATITUDE	63°00'57.97"N	63°00'57.97"N
LONGITUDE	154°22'09.11"W	154°22'09.11"W
STATION	38+21.23	38+21.23
ELEVATION	445.4	445.4
THRESHOLD RW 23		
LATITUDE	63°01'15.65"N	63°01'15.65"N
LONGITUDE	154°20'51.64"W	154°20'51.64"W
STATION	78+22.72	78+22.72
ELEVATION	447.2	447.2

TAXIWAY DATA		
ITEM	EXISTING	ULTIMATE
AIRPLANE DESIGN GROUP	II	II
TAXIWAY DESIGN GROUP	IA	IA
TAXIWAY SURFACE	GRAVEL	GRAVEL
LENGTH x WIDTH	475 X 49	238 X 50
SHOULDER WIDTH	10	10
SAFETY AREA (TSA) WIDTH	118	118
EDGE SAFETY MARGIN (TESM)	N/A	N/A
OBJECT FREE AREA (TOFA) WIDTH	131	131
TAXIWAY LIGHTING	MITL	MITL
TAXIWAY MARKING	NONE	NONE

MODIFICATIONS TO STANDARDS					
ASN	DESCRIPTION	FAA STANDARDS	EXISTING CONDITION	PROPOSED ACTION	DATE APPROVED
	NONE REQUIRED				

NON STANDARD CONDITIONS			
DESCRIPTION	STANDARDS	EXISTING	ULTIMATE
ALIGNED TAXIWAY	NOT ALIGNED	ALIGNED	NOT ALIGNED
SEWAGE LAGOON SEPERATION	5,000	2,710	2,710
LANDFILL	5,000	4,730	4,730
RSA WIDTH	150	148	150
RSA LENGTH PRIOR TO THRESHOLD / BEYOND DEPARTURE END	300	296	300

RUNWAY DATA		
ITEM	EXISTING	ULTIMATE
RUNWAY IDENTIFIER	05/23	05/23
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY	UTILITY	UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	NPI	NPI
FAR PART 77 VISIBILITY MINIMUM	1 SM	1 SM
FAR PART 77 APPROACH SURFACES SLOPE	20:1	20:1
APPROACH TYPE (VIS, NPA, APV(NP), APV(P), PREC)	NPA	NPA
THRESHOLD SITING SURFACE SLOPE	20:1	20:1
RUNWAY DESIGN CODE	A/II(s)/5,000	A/II(s)/5,000
APPROACH RUNWAY REFERENCE CODE (APRC)	B/II/5,000	B/II/5,000
DEPARTURE RUNWAY REFERENCE CODE (DPRC)	B/II	B/II
RUNWAY SURFACE	GRAVEL	GRAVEL
SURFACE TREATMENT	NONE	NONE
AIRPLANE GEAR CONFIG/PAVE STRENGTH (x1000 lbs)	N/A	N/A
PAVEMENT STRENGTH BY PCN	N/A	N/A
DESIGN AIRCRAFT (>60,000 lbs)	N/A	N/A
MAXIMUM ELEVATION	447.3	447.3
TOUCHDOWN ZONE ELEVATION	447.3	447.3
EFFECTIVE GRADE	0.05%	0.05%
MEAN GEODETIC BEARING	N 63.33° E	N 63.33° E
RUNWAY DIMENSIONS	75 X 4,001	75 X 4,001
RUNWAY SAFETY AREA (RSA)	148 X 4,593	150 X 4,601
RSA LENGTH BEYOND DEPARTURE END	296	300
RSA LENGTH PRIOR TO THRESHOLD	296	300
RUNWAY OBJECT FREE AREA (OFA)	500 X 4,601	500 X 4,601
ROFA LENGTH BEYOND DEPARTURE END	300	300
ROFA LENGTH PRIOR TO THRESHOLD	300	300
RUNWAY OBSTACLE FREE ZONE (OFZ)	250 X 4,401	250 X 4,401
PRECISION OBSTACLE FREE ZONE (POFZ)	N/A	N/A
RUNWAY PROTECTION ZONE (RPZ)	250 X 450 X 1,000	250 X 450 X 1,000
RUNWAY LIGHTING	MIRL	MIRL
RUNWAY MARKING TYPE	NONE	NONE
RUNWAY NAVIGATION AIDS	REIL, PAPI	REIL, PAPI
AERONAUTICAL SURVEY TYPE REQUIRED	NVG	NVG
DEPARTURE SURFACE	YES	YES

PRIMARY AIRPORT CONTROL STATIONS			
POINT NO.	STATION	OFFSET	DESCRIPTION
551	35+24.90	0.00 RT	FD AM[DOT&PF] CL 1+074.41
552	81+18.24	0.00 RT	FD BC[DOT&PF] CL 2+474.41
553	76+80.95	400.36 LT	FD BC[6945] NE PARCEL 1
554	44+26.87	249.76 RT	FD BC[6945] SEly PARCEL 1
555	66+80.94	249.62 RT	FD BC[6945] SWly PARCEL 1

BY	DATE	REVISION

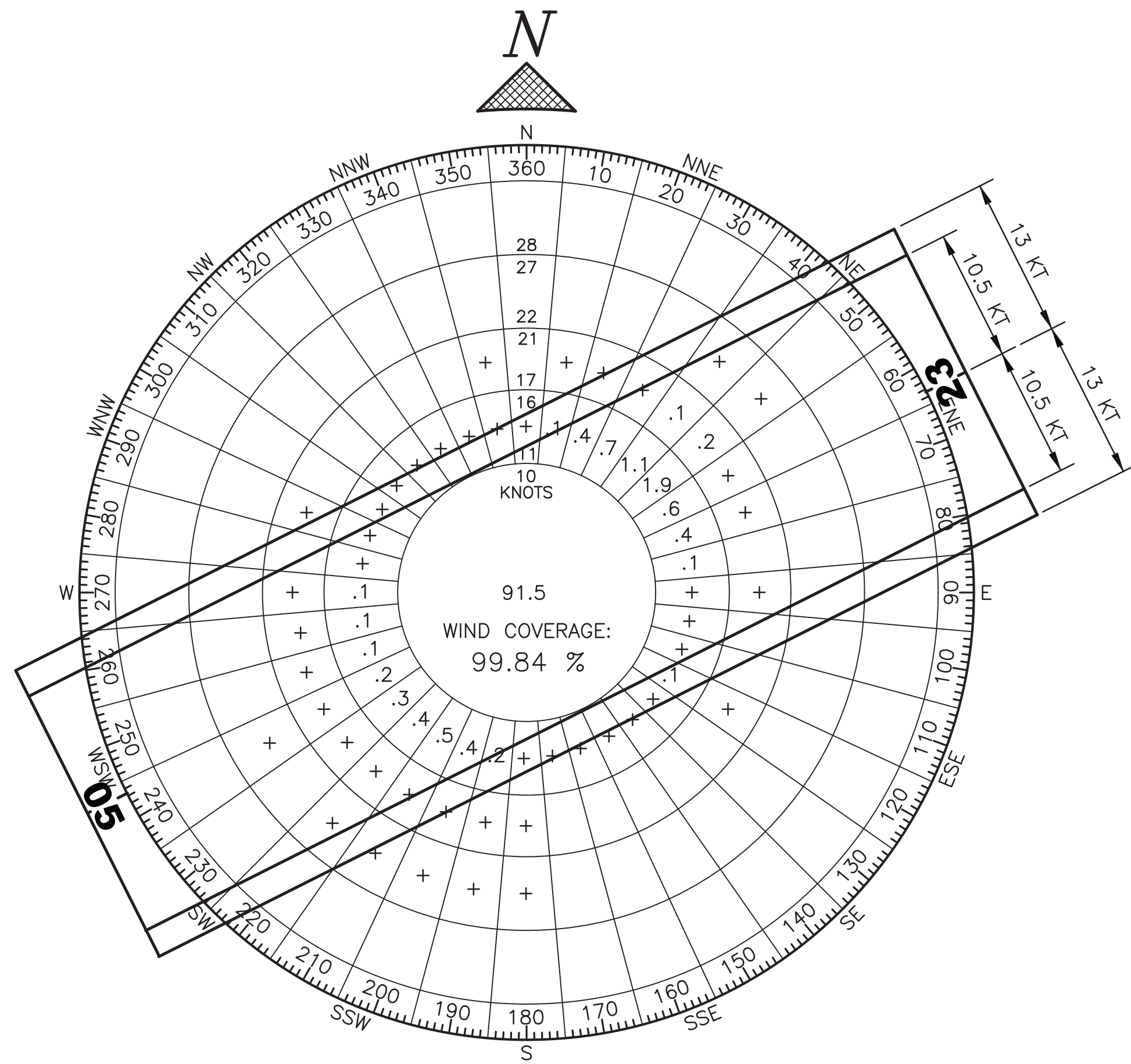
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN
 AIRPORT DATA

DATE: 6/07/2021
 SHEET: 2 OF 19

- NOTES:**
- ALL ELEVATIONS ARE FROM THE 2020 RECORD OF SURVEY FOR NIKOLAI AIRPORT. MOUNT MCKINLEY RECORDING DISTRICT.
 - NO THRESHOLD SITING SURFACE PENETRATIONS.
 - ALL LATITUDE/LONGITUDE COORDINATES ARE NAD83.
 - ALL ELEVATIONS ARE NAVD88.

Date Plotted: 6/07/2021, 1:33 PM
 Layout Name: Wind Rose
 File Name: W:\Projects\Nikolai\ALP\Nikolai_ALP_Airport_Layout_Plan\CAD\Final Drawings\ALP-FSP-Data Tables.dwg
 Designed By: GB
 Drawn By: RUB
 Checked By: MHH

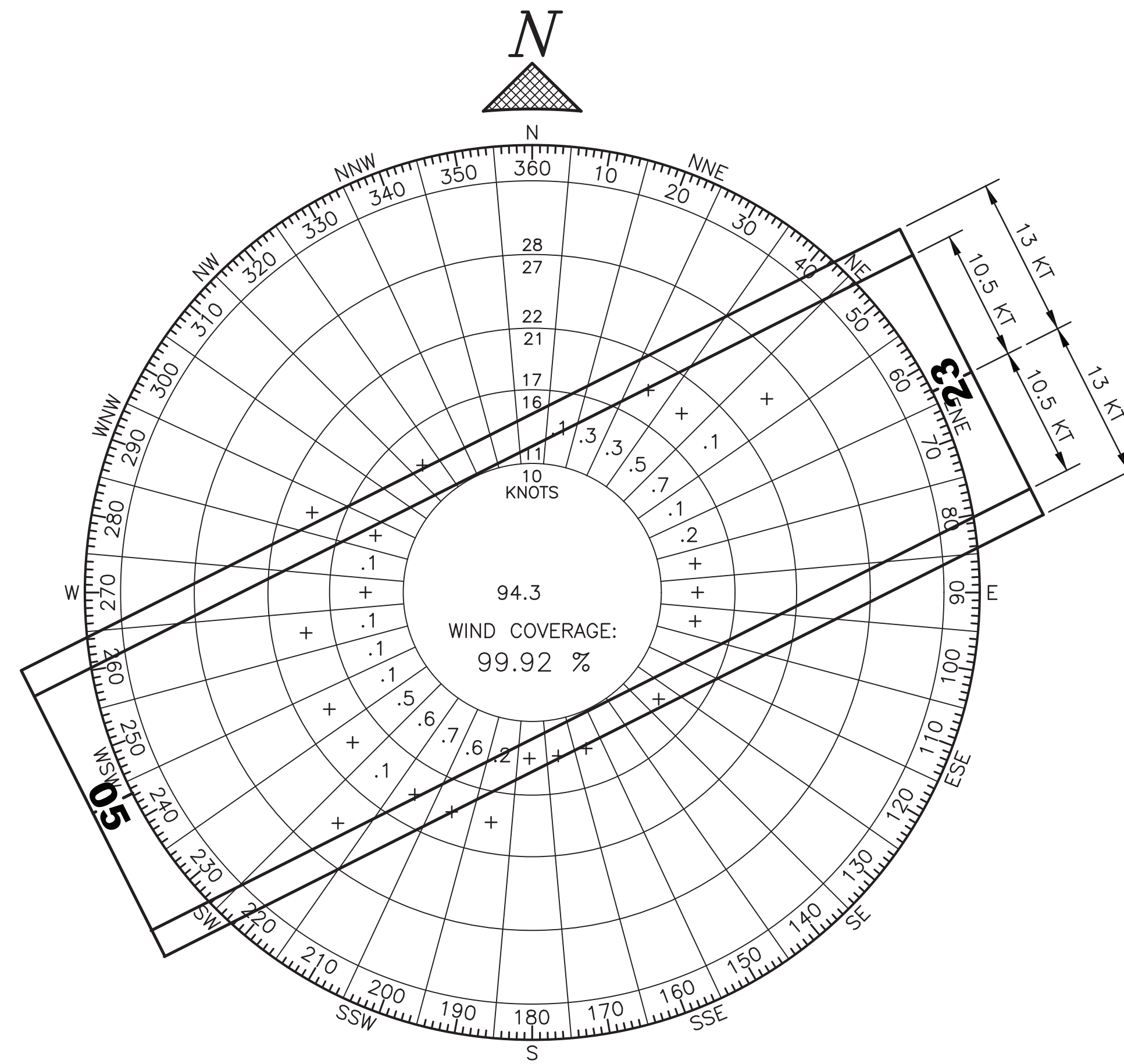


WIND DATA

NOTE: WIND SPEED IS INDICATED IN KNOTS.

ALL WEATHER WIND DATA			
RUNWAY	10.5 kt	13 kt	
RW 05/23	99.32%	99.84%	

SOURCE: NIKOLAI AIRPORT WIND DATA
 FAA GIS NATIONAL CLIMATE DATA CENTER
 FEBRUARY 4, 2019
 PERIOD: 2009 - 2018

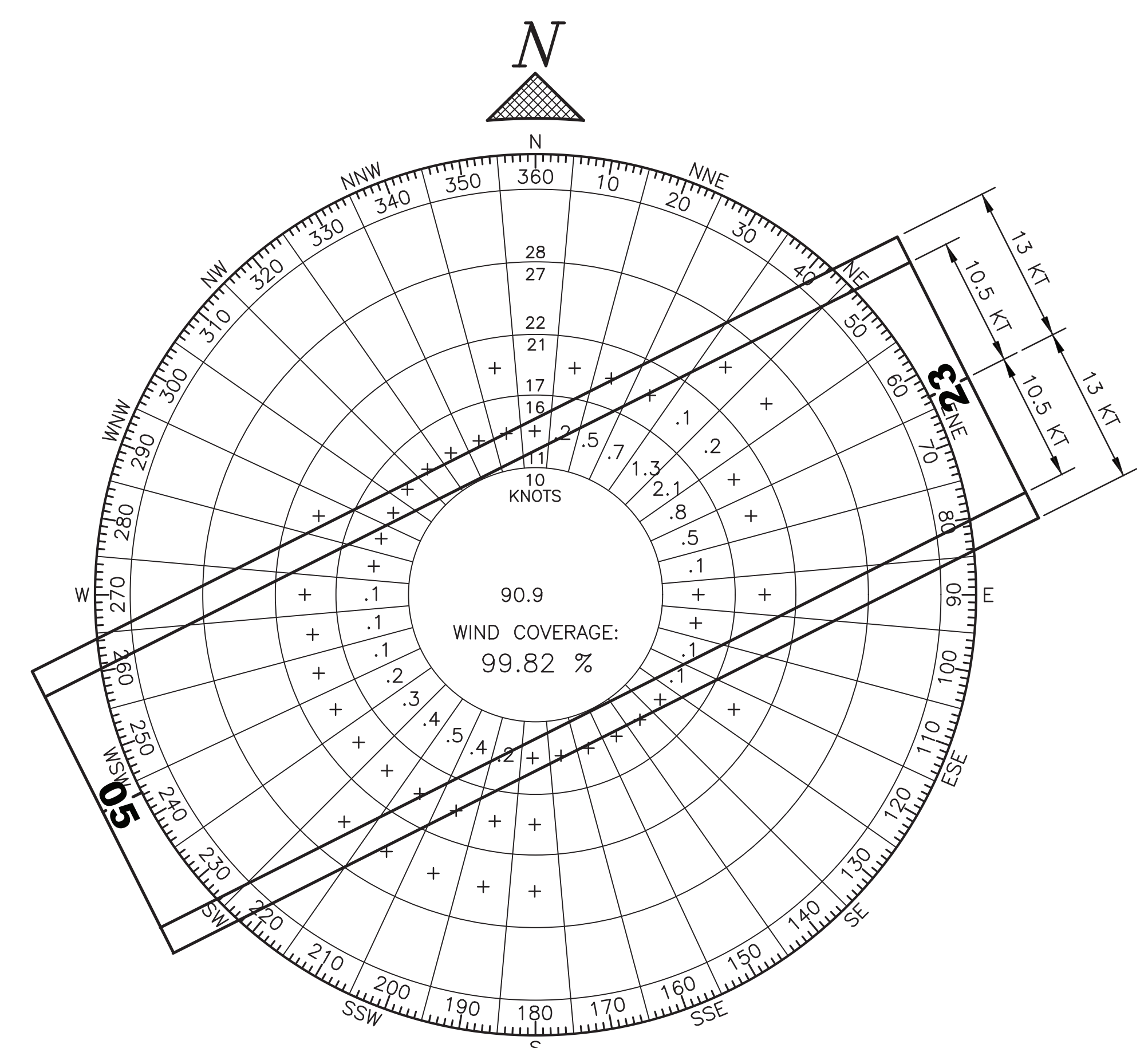


WIND DATA

NOTE: WIND SPEED IS INDICATED IN KNOTS.

IFR WIND DATA			
RUNWAY	10.5 kt	13 kt	
RW 05/23	99.49%	99.92%	

SOURCE: NIKOLAI AIRPORT WIND DATA
 FAA GIS NATIONAL CLIMATE DATA CENTER
 FEBRUARY 4, 2019
 PERIOD: 2009 - 2018



WIND DATA

NOTE: WIND SPEED IS INDICATED IN KNOTS.

VFR WIND DATA			
RUNWAY	10.5 kt	13 kt	
RW 05/23	99.28%	99.82%	

SOURCE: NIKOLAI AIRPORT WIND DATA
 FAA GIS NATIONAL CLIMATE DATA CENTER
 FEBRUARY 4, 2019
 PERIOD: 2009 - 2018

BY	DATE	REVISION

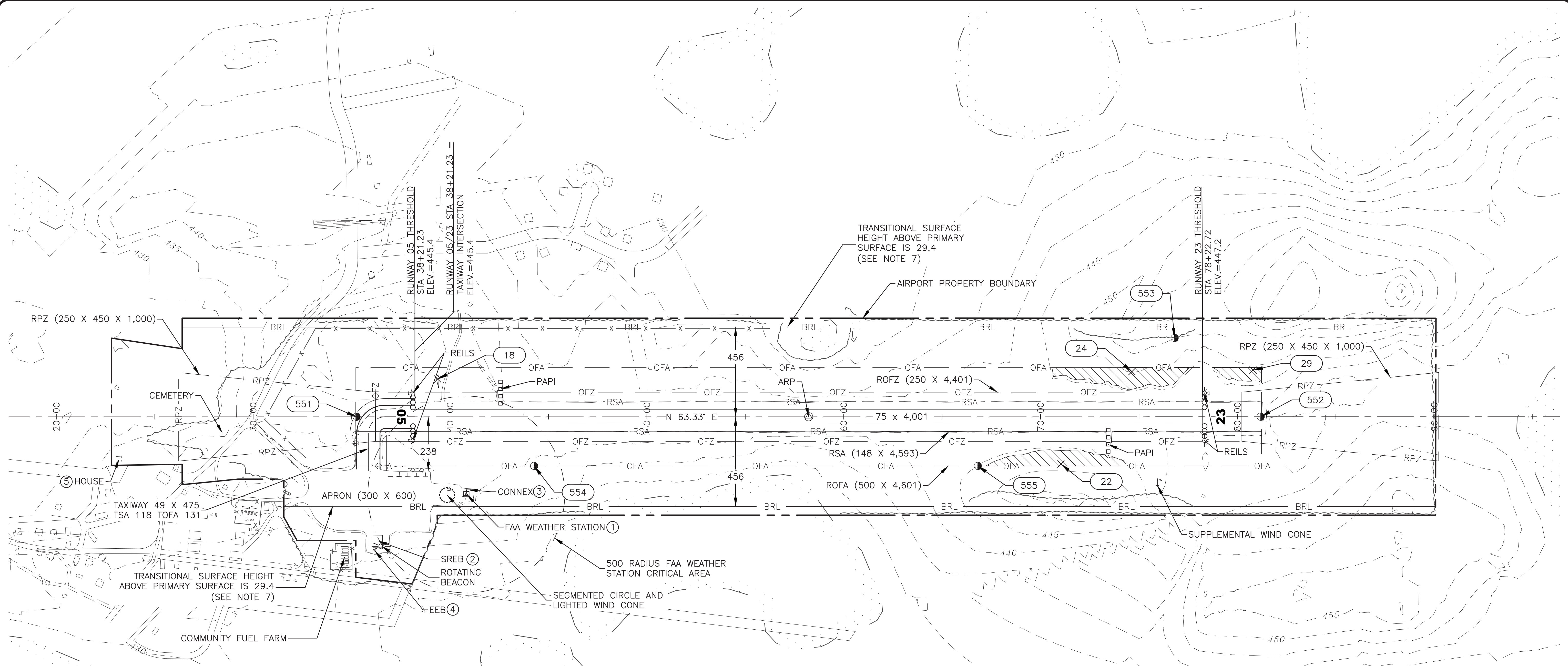
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN

WIND ROSE

DATE: 6/07/2021	SHEET: 3 OF 19
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Date Plotted: 5/07/2021, 1:34 PM
 Layout Name: Existing Layout
 File Name: W:\Projects\Nikolai\ALP\Aircraft\Layout\Plan\00\Final Drawings\ALP-FSP-PLAN.dwg
 Designed By: JLM
 Drawn By: RJB
 Checked By: PWC

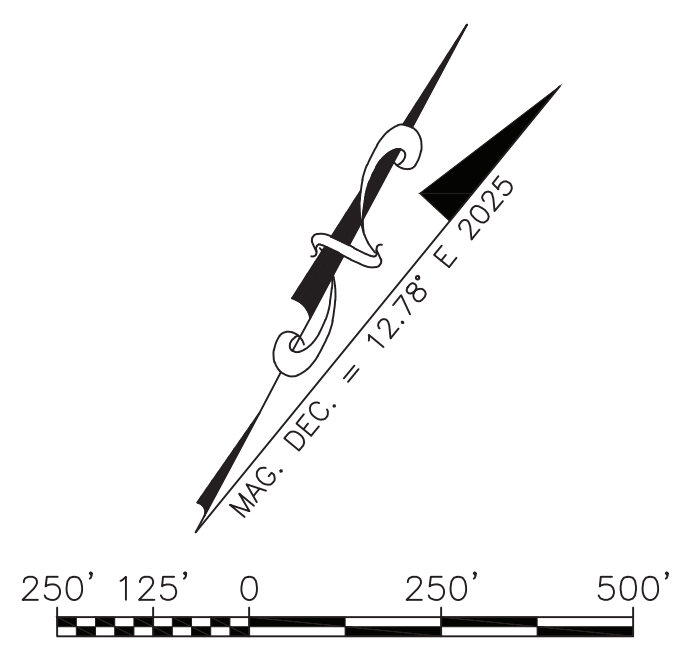


NOTES:

1. NO OFZ PENETRATIONS.
2. SEE SHEET 2 FOR PRIMARY CONTROL STATION AND OFFSET LOCATIONS.
3. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3), MCGRATH (D-3), 2020 RECORD OF SURVEY AND AERIAL IMAGERY FROM DCCED.
4. SEE INNER APPROACH SHEETS FOR APPROACH AND THRESHOLD SURFACE DIMENSIONS AND SLOPES.
5. SEE DEPARTURE SHEETS FOR DEPARTURE SURFACE DIMENSIONS AND SLOPES.
6. NO ELEVATION INFORMATION WAS AVAILABLE FOR BUILDINGS 4 AND 5, ELEVATIONS ARE ESTIMATES BASED ON THE ELEVATIONS OF THE ALP APPROVED 7/27/2007.
7. TRANSITIONAL SURFACE ELEVATION AT BRL IS 474.9 FEET.

BUILDING DATA				
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEV (MSL)	OBSTRUCT MARKING
1	FAA WEATHER STATION	40+88.46 391.45R	476.9	LIGHTED
2	SNOW REMOVAL EQUIPMENT BUILDING (SREB)	36+38.41 636.43R	465.7	NONE
3	CONNEX	40+83.80 368.34R	452.4	NONE
4	ELECTRICAL EQUIPMENT BUILDING (EEB)	36+53.48 678.45R	449.7	NONE
5	HOUSE	23+17.48 215.62R	439.4	NONE

EXISTING ROFA OBSTRUCTION TABLE							
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEV (MSL)	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
18	TERRAIN	39+37.05 192.52L	443.1	442.8	0.3	REMOVE	NEAR TERM
22	TERRAIN	71+03.14 240.10R	448.5	445.6	2.9	REMOVE	NEAR TERM
24	TERRAIN	74+63.99 229.54L	450.1	445.4	4.8	REMOVE	NEAR TERM
29	TERRAIN	80+79.10 236.87L	448.6	445.9	2.6	REMOVE	NEAR TERM



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

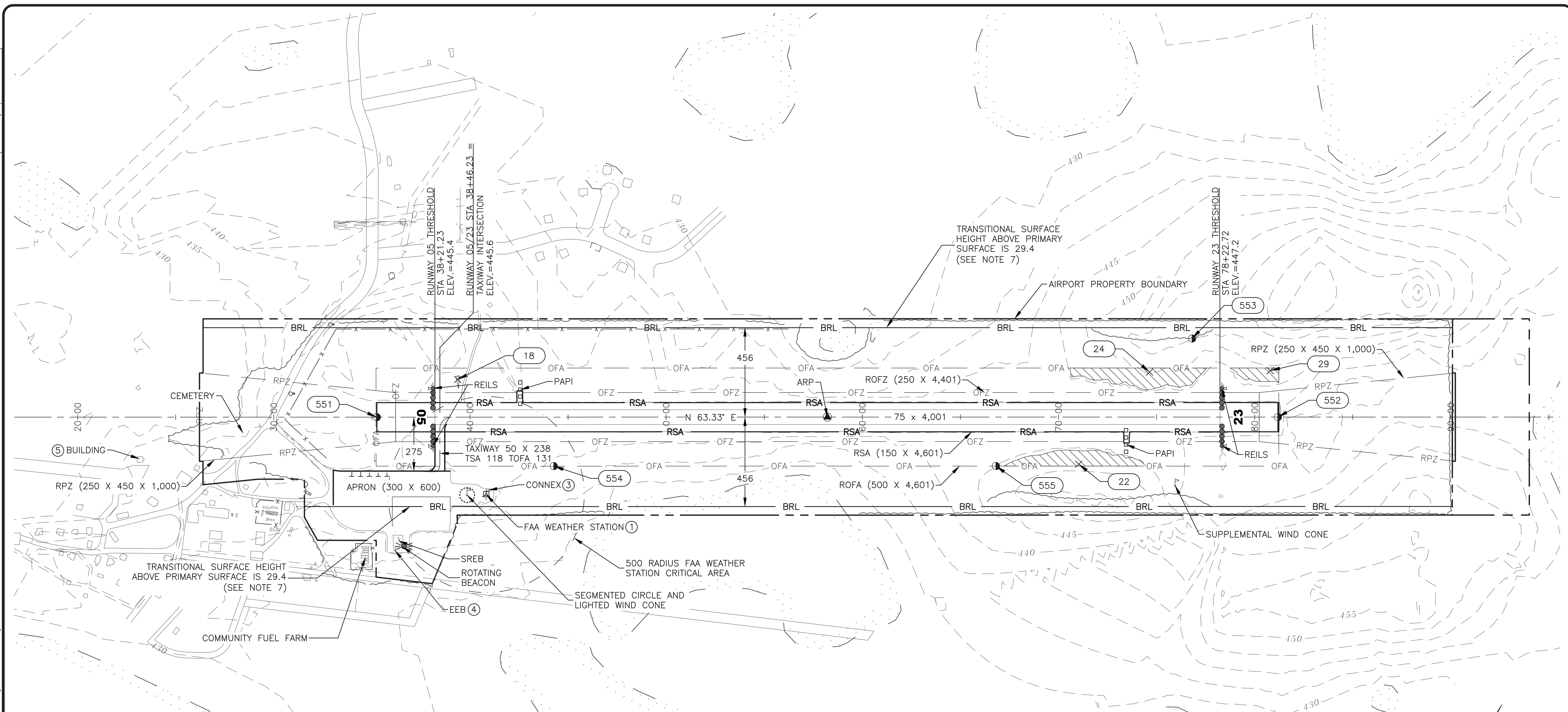
NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN

EXISTING LAYOUT

DATE: 5/12/2021	4 OF 19
SHEET: 4	

Date Plotted: 16/07/2021, 1:34 PM
 Layout Name: ULTimate Layout
 File Name: W:\Projects\Nikolai\ALP\WIKoIa\ALP\WIKoIa\Layouts\Plan\Drawings\ALP-FSP-PLAN.dwg

Designed By: JLM
 Drawn By: RJB
 Checked By: PWC



TRANSITIONAL SURFACE HEIGHT ABOVE PRIMARY SURFACE IS 29.4 (SEE NOTE 7)

TRANSITIONAL SURFACE HEIGHT ABOVE PRIMARY SURFACE IS 29.4 (SEE NOTE 7)

BUILDING DATA

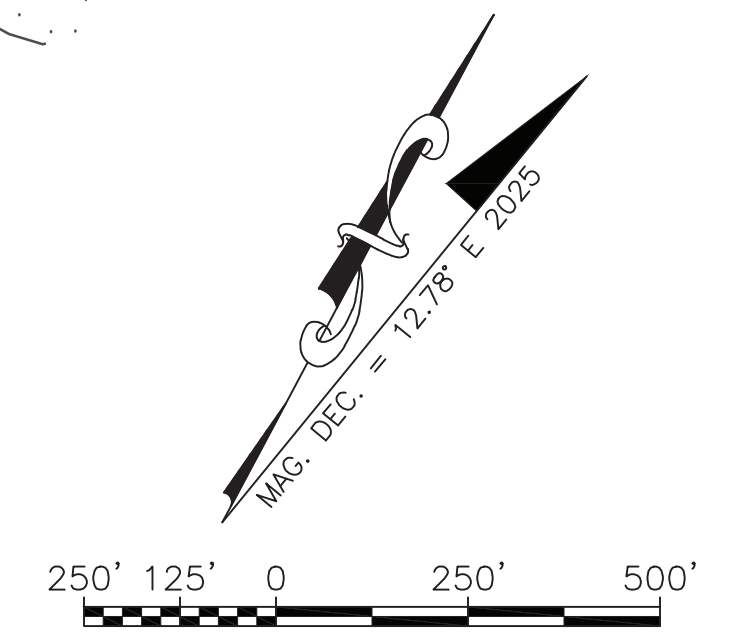
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEV (MSL)	OBSTRUCT MARKING
1	FAA WEATHER STATION	40+88.46 391.45R	476.9	LIGHTED
2	SNOW REMOVAL EQUIPMENT BUILDING (SREB)	36+38.41 636.43R	465.7	NONE
3	CONNEX	40+83.80 368.34R	452.4	NONE
4	ELECTRICAL EQUIPMENT BUILDING (EEB)	36+53.48 678.45R	449.7	NONE
5	HOUSE	23+17.48 215.62R	439.4	NONE

NOTES:

1. NO OFZ PENETRATIONS.
2. SEE SHEET 2 FOR PRIMARY CONTROL STATION AND OFFSET LOCATIONS.
3. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3), MCGRATH (D-3), 2020 RECORD OF SURVEY AND AERIAL IMAGERY FROM DCCED.
4. SEE INNER APPROACH SHEETS FOR APPROACH AND THRESHOLD SURFACE DIMENSIONS AND SLOPES.
5. SEE DEPARTURE SHEETS FOR DEPARTURE SURFACE DIMENSIONS AND SLOPES.
6. NO ELEVATION INFORMATION WAS AVAILABLE FOR BUILDINGS 4 AND 5, ELEVATIONS ARE ESTIMATES BASED ON THE ELEVATIONS OF THE ALP APPROVED 7/27/2007.
7. TRANSITIONAL SURFACE ELEVATION AT BRL IS 474.9 FEET.

ULTIMATE ROFA OBSTRUCTION TABLE

ID #	DESCRIPTION	STATION/OFFSET	TOP ELEV (MSL)	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
18	TERRAIN	39+37.05 192.52L	443.1	442.8	0.3	REMOVE	NEAR TERM
22	TERRAIN	71+03.14 240.10R	448.5	445.6	2.9	REMOVE	NEAR TERM
24	TERRAIN	74+63.99 229.54L	450.1	445.4	4.8	REMOVE	NEAR TERM
29	TERRAIN	80+79.10 236.87L	448.6	445.9	2.6	REMOVE	NEAR TERM



BY	DATE	REVISION

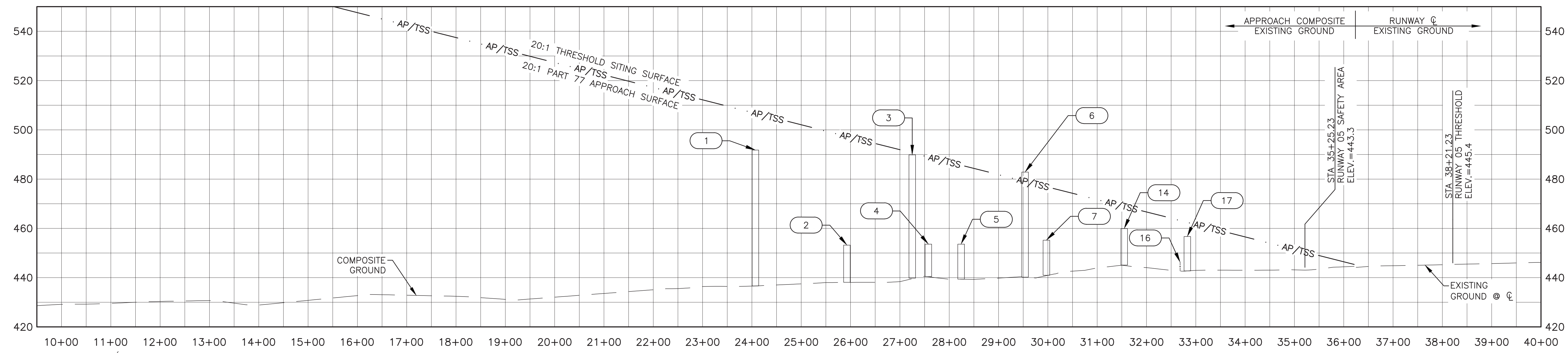
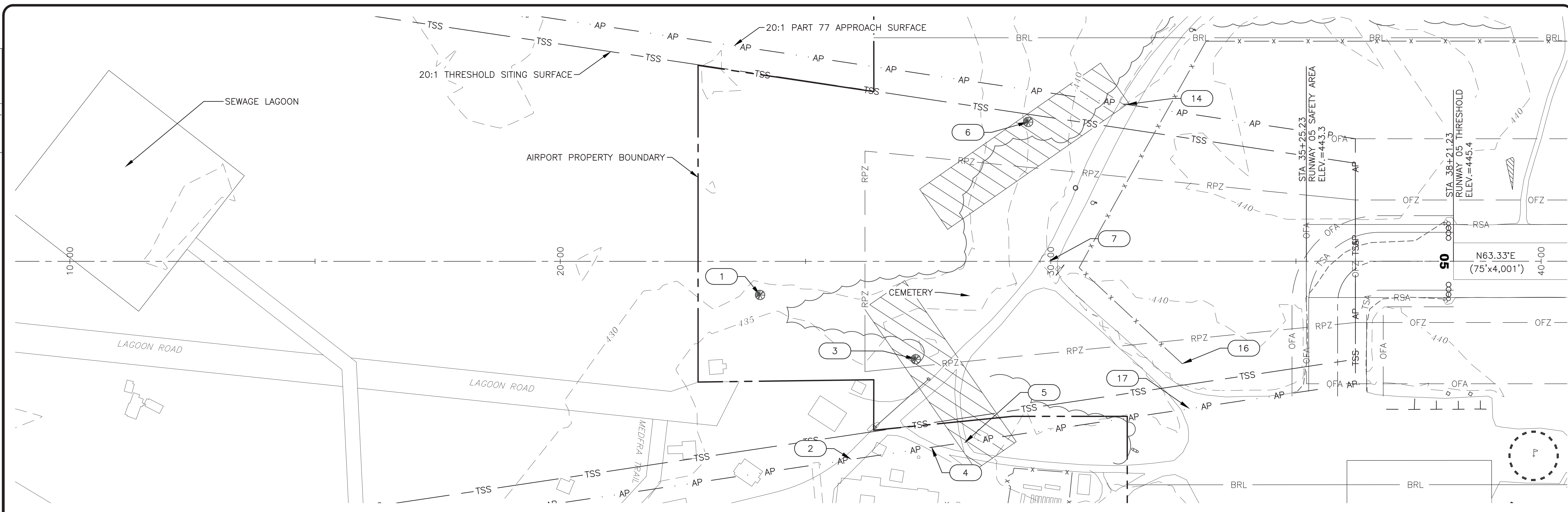
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN

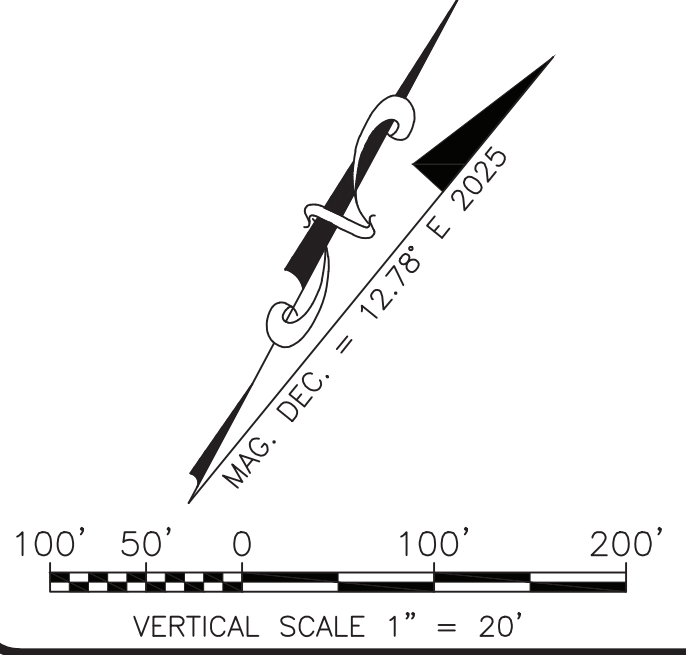
ULTIMATE LAYOUT

DATE:	5/12/2021
SHEET:	5 OF 19

Date Plotted: 16/07/2021, 1:34 PM
 Layout Name: Existing Inner Portion of the Approach Surface - Runway 05
 File Name: W:\Projects\Nikolai\ALP\Airport Layout Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg
 Designed By: JLM
 Drawn By: RJB
 Checked By: PWC



- NOTES:**
1. ALL ELEVATIONS ARE FROM THE 2020 RECORD OF SURVEY FOR NIKOLAI AIRPORT. MOUNT MCKINLEY RECORDING DISTRICT.
 2. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3), MCGRATH (D-3), 2020 RECORD OF SURVEY AND AERIAL IMAGERY FROM DCCED.
 3. THE COMPOSITE PROFILE ELEVATIONS OUTSIDE OF THE AIRPORT PROPERTY BOUNDARY ARE ESTIMATES BASED ON THE BASEMAP DATA DESCRIBED IN NOTE 2.
 4. THRESHOLD SITING CRITERIA IS BASED ON ENGINEERING BRIEF 99 TO AC 150/5300-13A, CHANGE 1, TABLE 3-2, LINE 4.
 5. SEE DEPARTURE SHEETS FOR DEPARTURE SURFACE DIMENSIONS AND SLOPES.
 6. SEE AIRSPACE PART 77 SHEET FOR OBSTRUCTIONS TO PART 77 SURFACES.



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN

EXISTING INNER PORTION OF THE
 APPROACH SURFACE - RW 05

DATE: 5/12/2021	SHEET: 6 OF 19
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Date Plotted: 16/07/2021, 1:34 PM
 Layout Name: EXISTING OBSTRUCTION TABLES - RW 5
 File Name: W:\Projects\Nikolai\ALP\WIKOI\ALP\WIKOI_Layout_Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg

Designed By: JLM
 Drawn By: RJB
 Checked By: PWC

EXISTING INNER APPROACH OBSTRUCTIONS (RUNWAY 05)

ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
1	TREE	24+07.14 68.75R	492.0	506.8	-14.8	REMOVE	ULTIMATE
2	ROAD +15	25+93.20 404.21R	452.9	497.4	-44.5	REMAIN	N/A
3	HIGHEST TREE IN GROUP	27+25.00 199.65R	489.5	490.7	-1.2	REMOVE	ULTIMATE
4	ROAD +15	27+56.48 379.70R	453.3	489.1	-35.8	REMAIN	N/A
5	ROAD +15	28+24.08 369.61R	453.6	485.7	-32.0	REMAIN	N/A
6	HIGHEST TREE IN GROUP	29+53.84 284.31L	483.2	479.1	4.1	REMOVE	ULTIMATE
7	ROAD +15	29+97.05	455.4	476.9	-21.5	REMAIN	N/A
14	ROAD +15	31+55.03 319.92L	459.9	468.9	-9.0	REMAIN	N/A
16	FENCE	32+68.13 209.13R	444.6	463.2	-18.6	REMAIN	N/A
17	ROAD +15	32+82.58 300.73R	457.4	462.5	-5.1	REMAIN	N/A

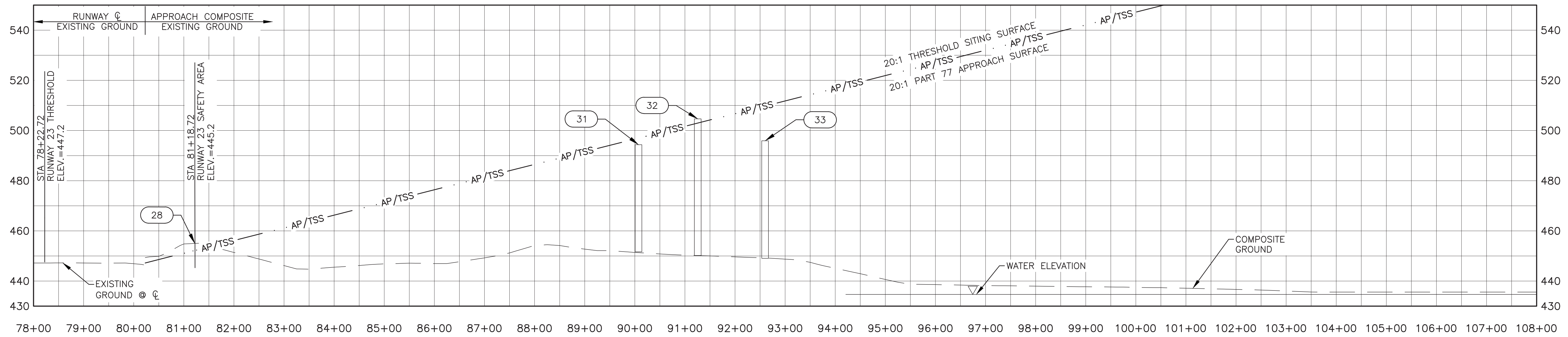
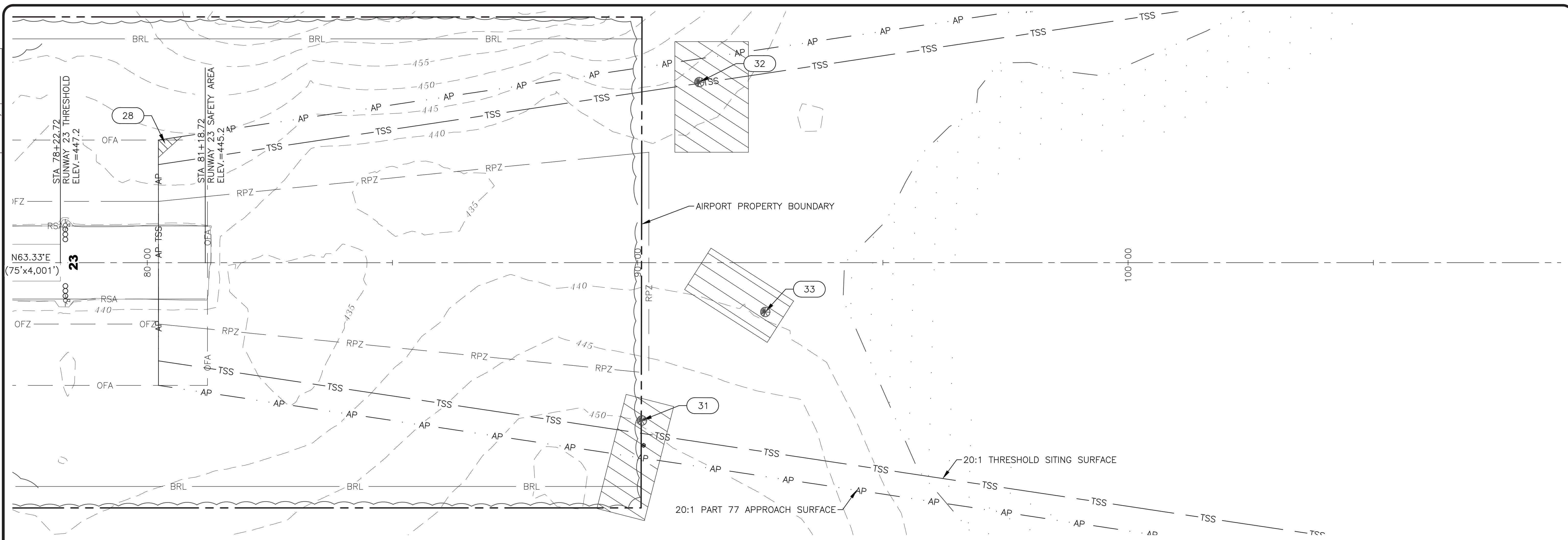
EXISTING TSS OBSTRUCTIONS (RUNWAY 05)

ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
1	TREE	24+07.14 68.75R	492.0	506.8	-14.8	REMOVE	ULTIMATE
3	HIGHEST TREE IN GROUP	27+25.00 199.65R	489.5	490.7	-1.2	REMOVE	ULTIMATE
6	HIGHEST TREE IN GROUP	29+53.84 284.31L	483.2	479.1	4.1	REMOVE	ULTIMATE
7	ROAD +15	29+97.05	455.4	476.9	-21.5	REMAIN	N/A
14	ROAD +15	31+55.03 319.92L	459.9	468.9	-9.0	REMAIN	N/A
16	FENCE	32+68.13 209.13R	444.6	463.2	-18.6	REMAIN	N/A

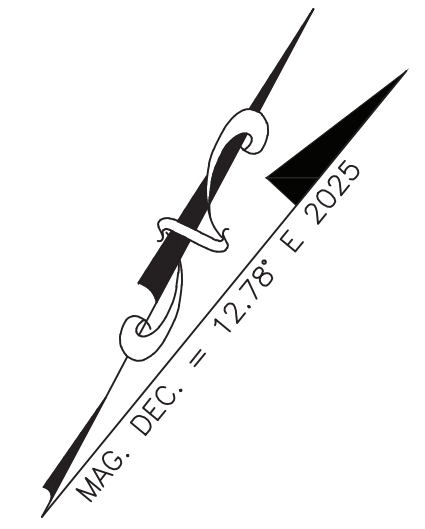
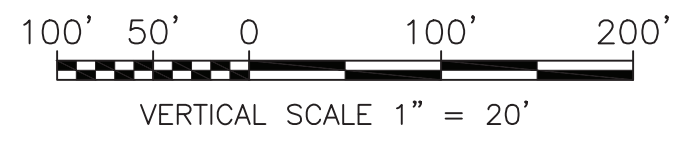
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION	
		NIKOLAI AIRPORT NIKOLAI, ALASKA AIRPORT LAYOUT PLAN	
		EXISTING OBSTRUCTION TABLES - RW 05	
		DATE:	5/12/2021
		SHEET:	7 OF 19
		BY:	DATE:
		REVISION:	

Date Plotted: 16/07/2021, 1:34 PM
 Layout Name: Existing Inner Portion of the Approach Surface - Runway 23
 File Name: W:\Projects\Nikolai\ALP\Airport Layout Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg

Designed By: JLM
 Drawn By: RJB
 Checked By: PWC



- NOTES:**
1. ALL ELEVATIONS ARE FROM THE 2020 RECORD OF SURVEY FOR NIKOLAI AIRPORT. MOUNT MCKINLEY RECORDING DISTRICT.
 2. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3), MCGRATH (D-3), 2020 RECORD OF SURVEY AND AERIAL IMAGERY FROM DCCED.
 3. THE COMPOSITE PROFILE ELEVATIONS OUTSIDE OF THE AIRPORT PROPERTY BOUNDARY ARE ESTIMATES BASED ON THE BASEMAP DATA DESCRIBED IN NOTE 2.
 4. THRESHOLD SITING CRITERIA IS BASED ON ENGINEERING BRIEF 99 TO AC 150/5300-13A, CHANGE 1, TABLE 3-2, LINE 4.
 5. SEE DEPARTURE SHEETS FOR DEPARTURE SURFACE DIMENSIONS AND SLOPES.



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN

EXISTING INNER PORTION OF THE
 APPROACH SURFACE - RW 23

DATE:	5/12/2021
SHEET:	8 OF 19

Date Plotted: 16/07/2021, 1:34 PM
 Layout Name: EXISTING OBSTRUCTION TABLES - RW 23
 File Name: W:\Projects\Nikolai\VALP\WIKOI\ALP\Airport Layout\Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg

Designed By: JLM
 Drawn By: RJB
 Checked By: PWC

EXISTING INNER APPROACH OBSTRUCTIONS (RUNWAY 23)

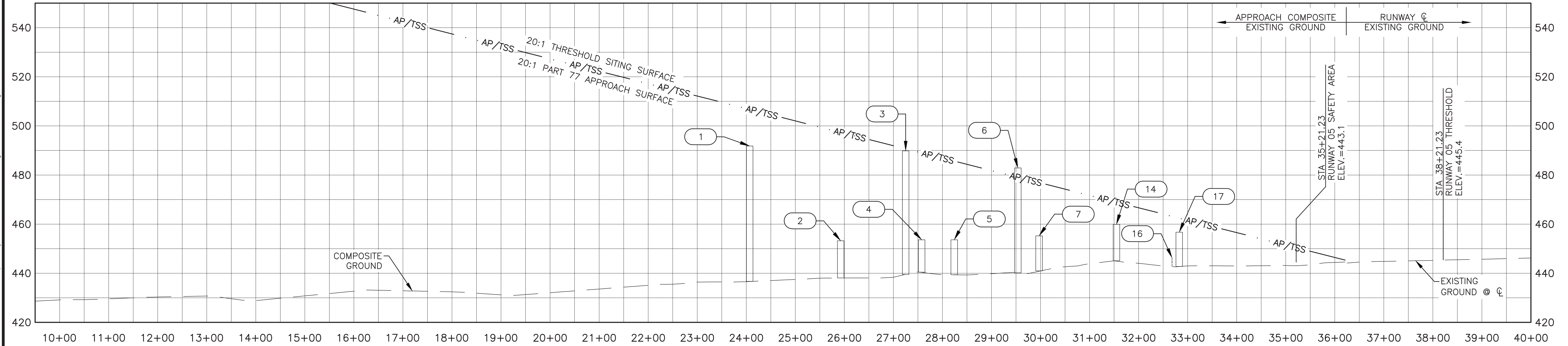
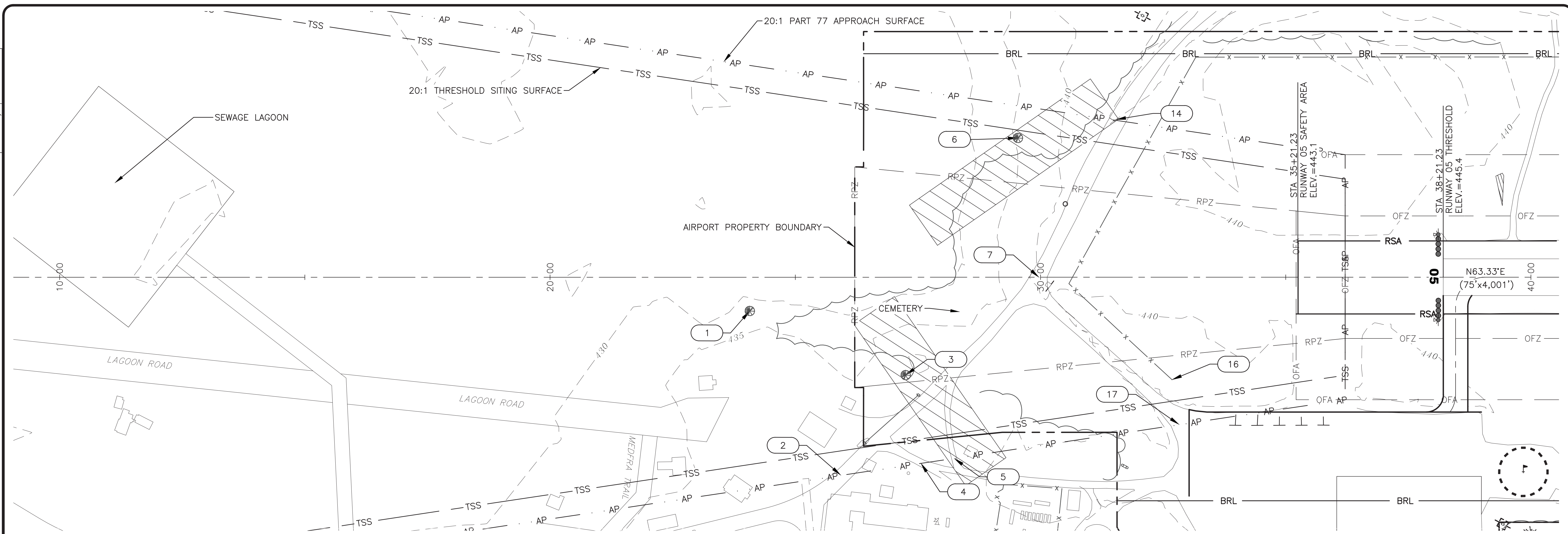
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
28	TERRAIN	80+22.72 250.00L	448.9	447.2	1.7	REMOVE	ULTIMATE
31	HIGHEST TREE IN GROUP	90+08.62 321.61R	494.0	497.1	-3.1	REMOVE	ULTIMATE
32	HIGHEST TREE IN GROUP	91+25.65 367.94L	505.2	503.0	2.2	REMOVE	ULTIMATE
33	HIGHEST TREE IN GROUP	92+60.10 100.49R	496.6	509.8	-13.2	REMOVE	ULTIMATE

EXISTING TSS OBSTRUCTIONS (RUNWAY 23)

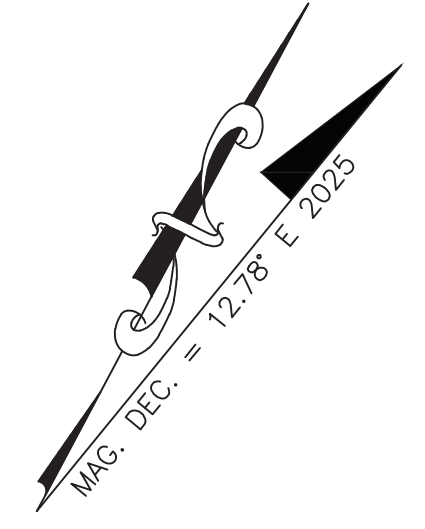
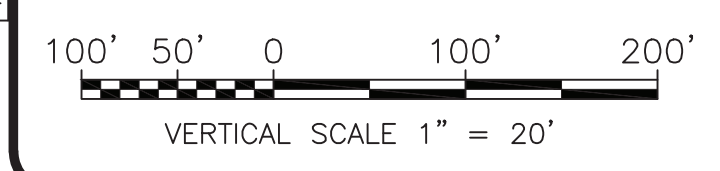
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
31	HIGHEST TREE IN GROUP	90+08.62 321.61R	494.0	497.1	-3.1	REMOVE	ULTIMATE
33	HIGHEST TREE IN GROUP	92+60.10 100.49R	496.6	509.8	-13.2	REMOVE	ULTIMATE

		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION	
		NIKOLAI AIRPORT NIKOLAI, ALASKA AIRPORT LAYOUT PLAN	
		DATE:	5/12/2021
		SHEET:	9 OF 19
		EXISTING OBSTRUCTION TABLES - RW 23	
		BY:	DATE:
		REVISION:	

Date Plotted: 16/07/2021, 1:35 PM
 Layout Name: U:\Final\Inner Portion of the Approach Surface - Runway 05
 File Name: W:\Projects\Nikolai\ALP\W\K\01_ALP\Airport Layout\Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg
 Designed By: JLM
 Drawn By: RJB
 Checked By: PWC



- NOTES:**
1. ALL ELEVATIONS ARE FROM THE 2020 RECORD OF SURVEY FOR NIKOLAI AIRPORT. MOUNT MCKINLEY RECORDING DISTRICT.
 2. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3), MCGRATH (D-3), 2020 RECORD OF SURVEY AND AERIAL IMAGERY FROM DCCED.
 3. THE COMPOSITE PROFILE ELEVATIONS OUTSIDE OF THE AIRPORT PROPERTY BOUNDARY ARE ESTIMATES BASED ON THE BASEMAP DATA DESCRIBED IN NOTE 2.
 4. THRESHOLD SITING CRITERIA IS BASED ON ENGINEERING BRIEF 99 TO AC 150/5300-13A, CHANGE 1, TABLE 3-2, LINE 4.
 5. SEE DEPARTURE SHEETS FOR DEPARTURE SURFACE DIMENSIONS AND SLOPES.



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN

ULTIMATE INNER PORTION OF THE
 APPROACH SURFACE - RW 05

DATE: 5/12/2021	SHEET: 10 OF 19
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Date Plotted: 16/07/2021, 1:35 PM
 Layout Name: Ultimate Obstruction Tables - RW 05
 File Name: W:\Projects\Nikolai\ALP\Nikolai\Airport Layout\Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg

Designed By: JLM
 Drawn By: RJB
 Checked By: PWC

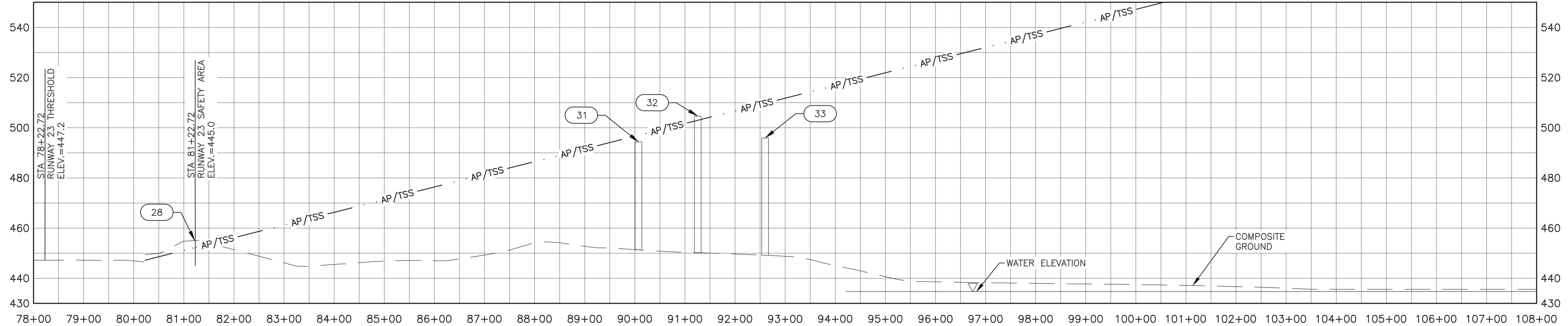
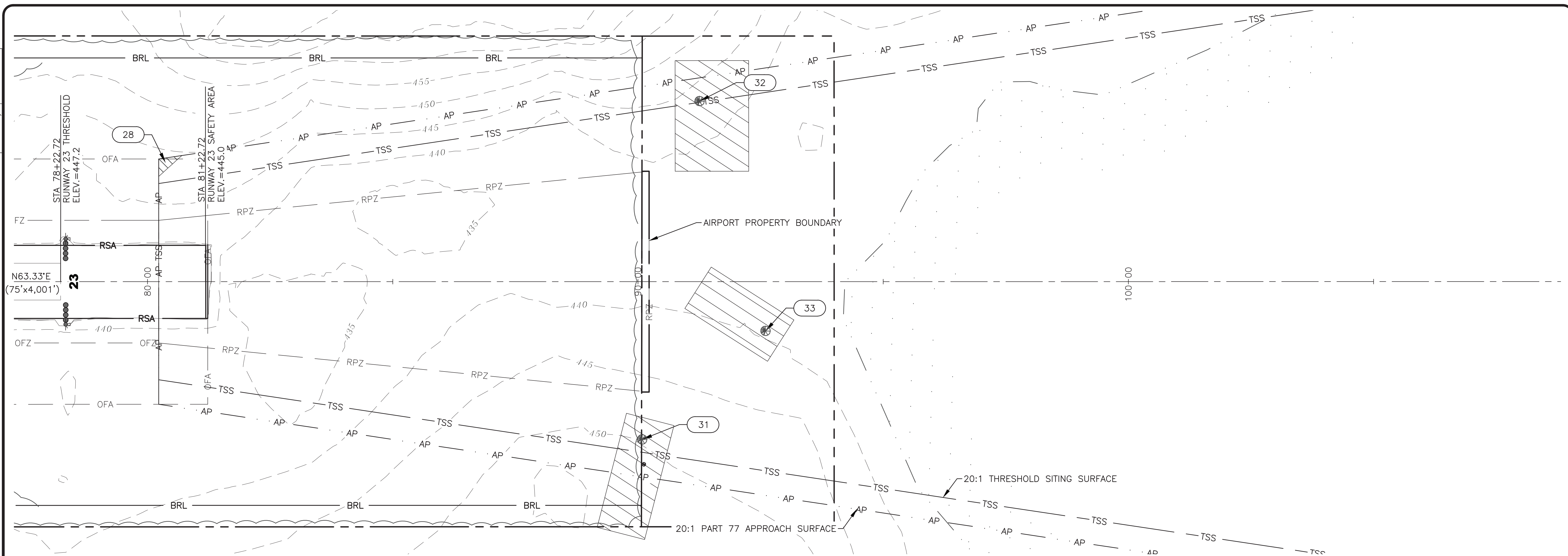
UTIMATE INNER APPROACH OBSTRUCTIONS (RUNWAY 05)							
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
1	TREE	24+07.14 68.75R	492.0	506.8	-14.8	REMOVE	ULTIMATE
2	ROAD +15	25+93.20 404.21R	452.9	497.4	-44.5	REMAIN	N/A
3	HIGHEST TREE IN GROUP	27+25.00 199.65R	489.5	490.7	-1.2	REMOVE	ULTIMATE
4	ROAD +15	27+56.48 379.70R	453.3	489.1	-35.8	REMAIN	N/A
5	ROAD +15	28+24.08 369.61R	453.6	485.7	-32.0	REMAIN	N/A
6	HIGHEST TREE IN GROUP	29+53.84 284.31L	483.2	479.1	4.1	REMOVE	ULTIMATE
7	ROAD +15	29+97.05	455.4	476.9	-21.5	REMAIN	N/A
14	ROAD +15	31+55.03 319.92L	459.9	468.9	-9.0	REMAIN	N/A
16	FENCE	32+68.13 209.13R	444.6	463.2	-18.6	REMAIN	N/A
17	ROAD +15	32+82.58 300.73R	457.4	462.5	-5.1	REMAIN	N/A

ULTIMATE TSS OBSTRUCTIONS (RUNWAY 05)							
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
1	TREE	24+07.14 68.75R	492.0	506.8	-14.8	REMOVE	ULTIMATE
3	HIGHEST TREE IN GROUP	27+25.00 199.65R	489.5	490.7	-1.2	REMOVE	ULTIMATE
6	HIGHEST TREE IN GROUP	29+53.84 284.31L	483.2	479.1	4.1	REMOVE	ULTIMATE
7	ROAD +15	29+97.05	455.4	476.9	-21.5	REMAIN	N/A
14	ROAD +15	31+55.03 319.92L	459.9	468.9	-9.0	REMAIN	N/A
16	FENCE	32+68.13 209.13R	444.6	463.2	-18.6	REMAIN	N/A

						STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION	
						SHEET: 11 OF 19	
BY		DATE		REVISION		ULTIMATE OBSTRUCTION TABLES - RW 05	

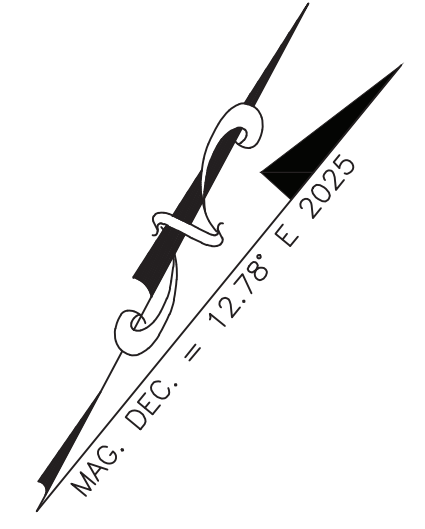
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 Layout Name: U:\Final\Inner Portion of the Approach Surface - Runway 23
 File Name: W:\Projects\Nikolai\ALP\Airport Layout\Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg

Designed By: JLM
 Drawn By: RJB
 Checked By: PWC



NOTES:

1. ALL ELEVATIONS ARE FROM THE 2020 RECORD OF SURVEY FOR NIKOLAI AIRPORT. MOUNT MCKINLEY RECORDING DISTRICT.
2. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3), MCGRATH (D-3), 2020 RECORD OF SURVEY AND AERIAL IMAGERY FROM DCCD.
3. THE COMPOSITE PROFILE ELEVATIONS OUTSIDE OF THE AIRPORT PROPERTY BOUNDARY ARE ESTIMATES BASED ON THE BASEMAP DATA DESCRIBED IN NOTE 2.
4. THRESHOLD SITING CRITERIA IS BASED ON ENGINEERING BRIEF 99 TO AC 150/5300-13A, CHANGE 1, TABLE 3-2, LINE 4.
5. SEE DEPARTURE SHEETS FOR DEPARTURE SURFACE DIMENSIONS AND SLOPES.



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN

ULTIMATE INNER PORTION OF THE
 APPROACH SURFACE - RW 23

DATE: 5/12/2021	12 OF 19
SHEET:	

Date Plotted: 16/07/2021, 1:35 PM
 Layout Name: Ultimate Obstruction Tables - RW 23
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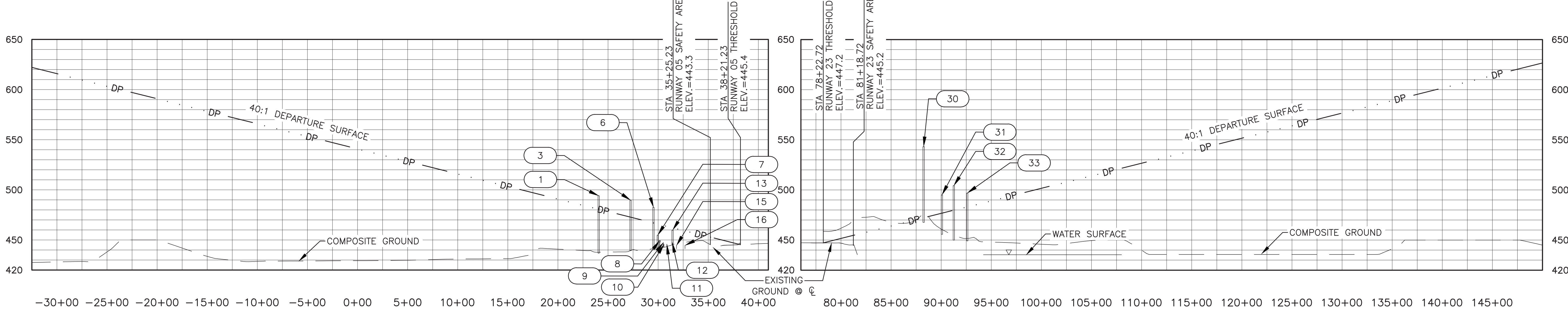
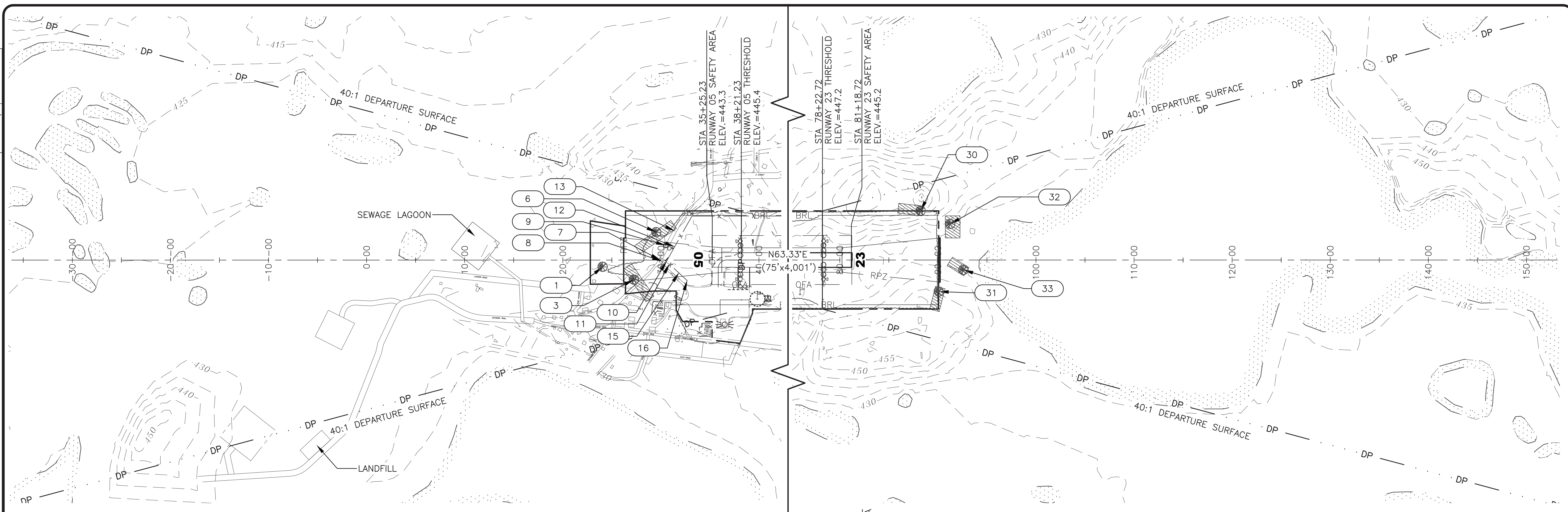
Designed By: JLM
 Drawn By: RJB
 Checked By: PWC

ULTIMATE INNER APPROACH OBSTRUCTIONS (RUNWAY 23)							
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
28	TERRAIN	80+22.72 250.00L	448.9	447.2	1.7	REMOVE	ULTIMATE
31	HIGHEST TREE IN GROUP	90+08.62 321.61R	494.0	497.0	-3.0	REMOVE	ULTIMATE
32	HIGHEST TREE IN GROUP	91+25.65 367.94L	505.2	503.0	2.2	REMOVE	ULTIMATE
33	HIGHEST TREE IN GROUP	92+60.10 100.49R	496.6	509.8	-13.2	REMOVE	ULTIMATE

ULTIMATE TSS OBSTRUCTIONS (RUNWAY 23)							
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
31	HIGHEST TREE IN GROUP	90+08.62 321.61R	494.0	497.1	-3.1	REMOVE	ULTIMATE
33	HIGHEST TREE IN GROUP	92+60.10 100.49R	496.6	509.8	-13.2	REMOVE	ULTIMATE

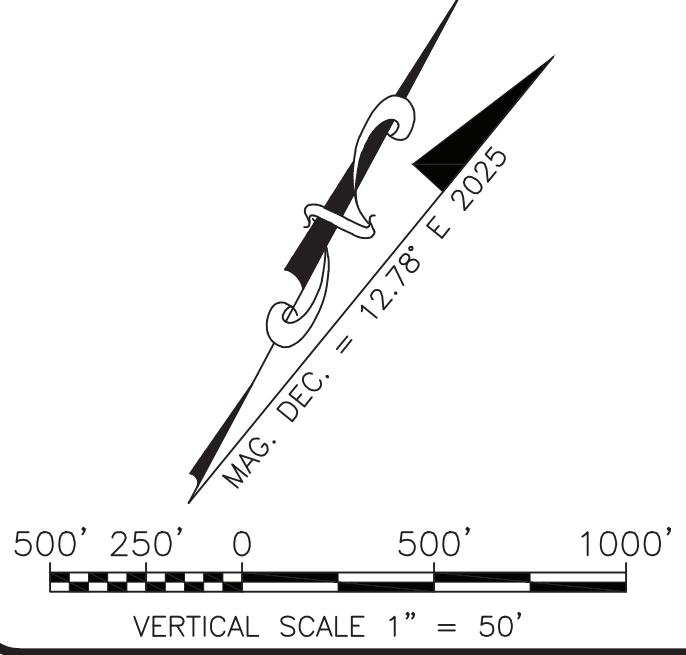
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION	
		NIKOLAI AIRPORT NIKOLAI, ALASKA AIRPORT LAYOUT PLAN	
		ULTIMATE OBSTRUCTION TABLES - RW 23	
		DATE:	5/12/2021
		SHEET:	13 OF 19
		BY:	DATE:
		REVISION:	

Date Plotted: 16/07/2021, 1:35 PM
 Layout Name: Existing Departure Surface - Runway 05-23
 File Name: W:\Projects\Nikolai\ALP\Nikolai_01\ALP\Aircraft Layout\Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg
 Designed By: JLM
 Drawn By: RJB
 Checked By: PWC



NOTES:

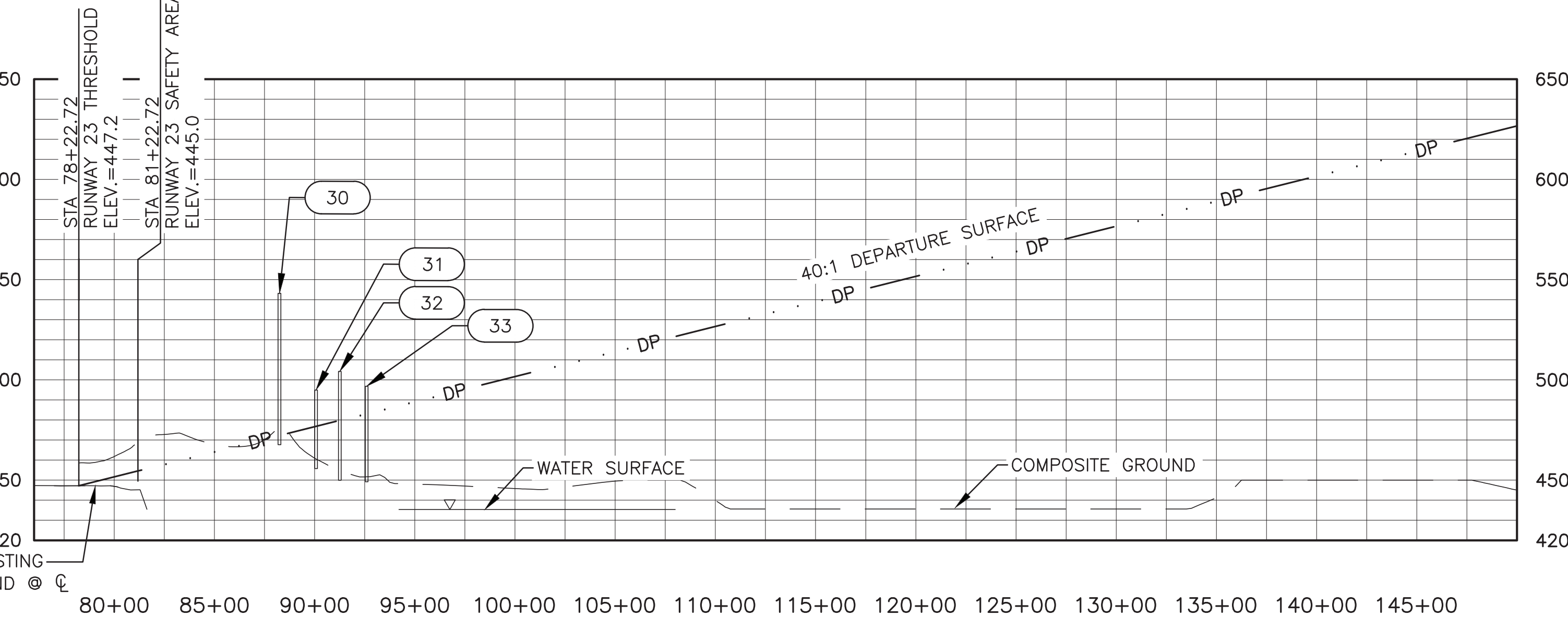
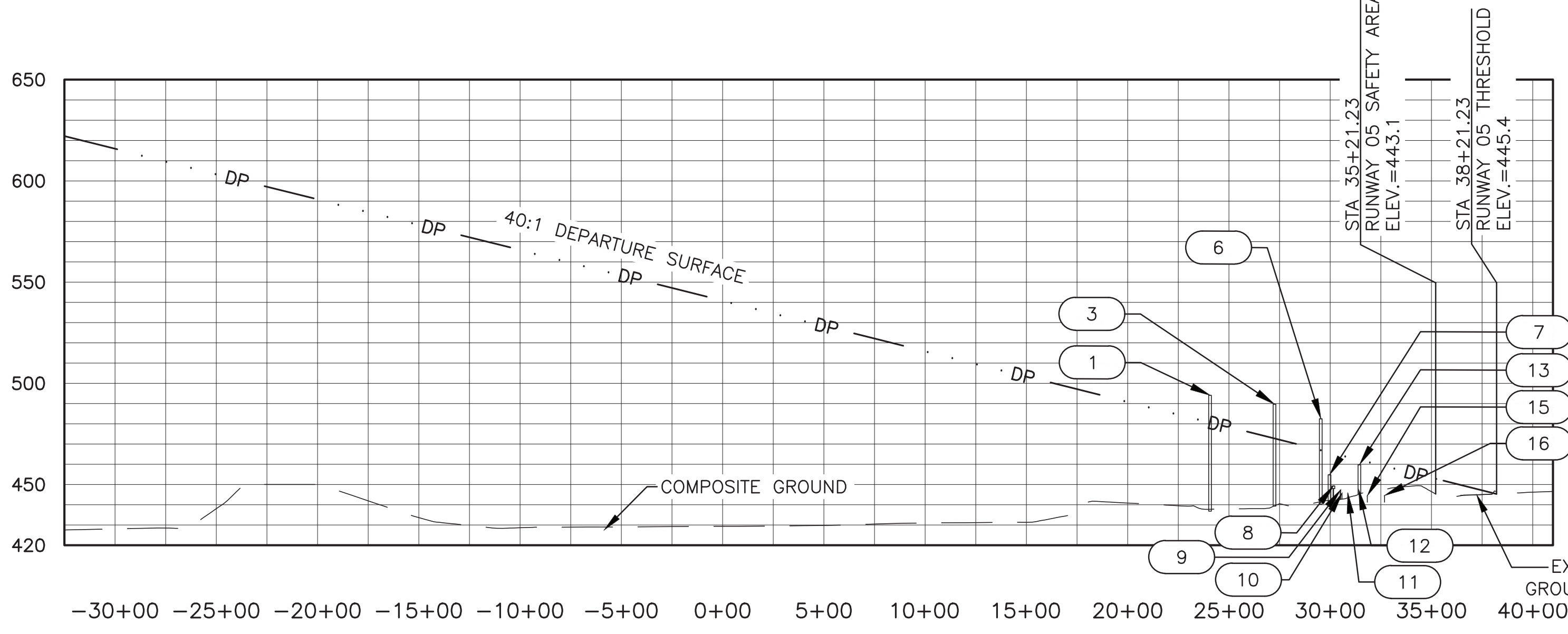
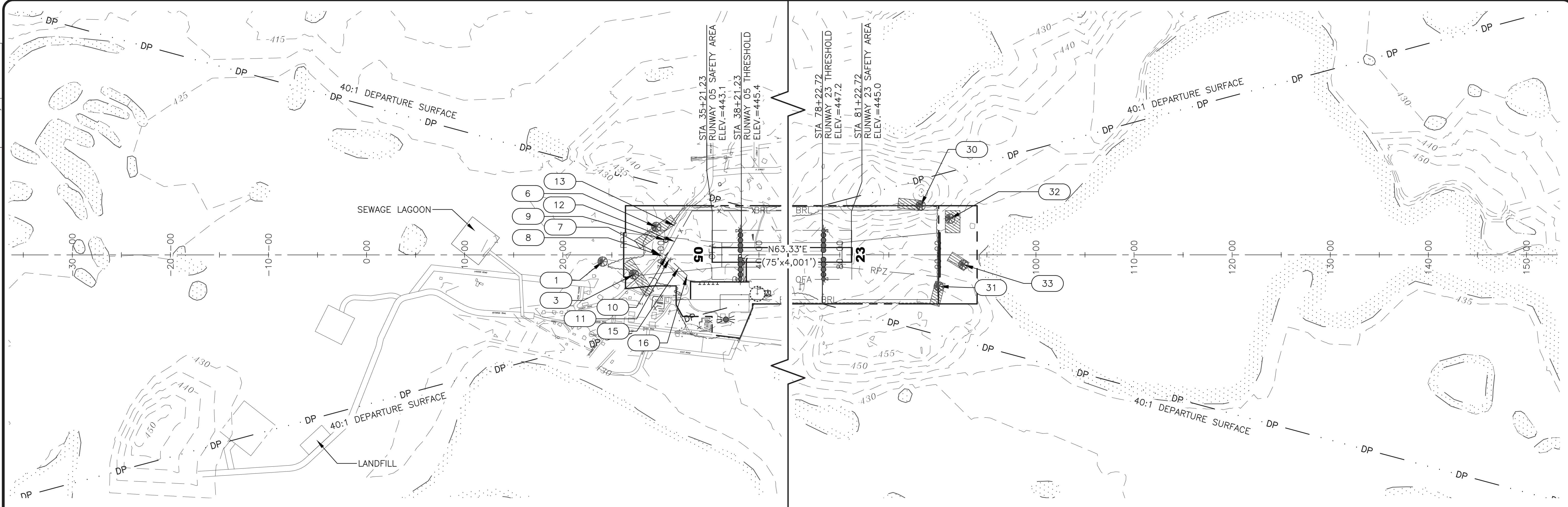
1. ALL ELEVATIONS ARE FROM THE 2020 RECORD OF SURVEY FOR NIKOLAI AIRPORT. MOUNT MCKINLEY RECORDING DISTRICT.
2. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3), MCGRATH (D-3), 2020 RECORD OF SURVEY AND AERIAL IMAGERY FROM DCCED.
3. THE COMPOSITE PROFILE ELEVATIONS OUTSIDE OF THE AIRPORT PROPERTY BOUNDARY ARE ESTIMATES BASED ON THE BASEMAP DATA DESCRIBED IN NOTE 2.
4. THE WATER ELEVATION WAS DETERMINED USING NOAA TIDES AND CURRENTS DATA.
5. DEPARTURE SURFACE CRITERIA IS BASED ON ENGINEERING BRIEF 99A TO AC 150/5300-13A, CHANGE 1,



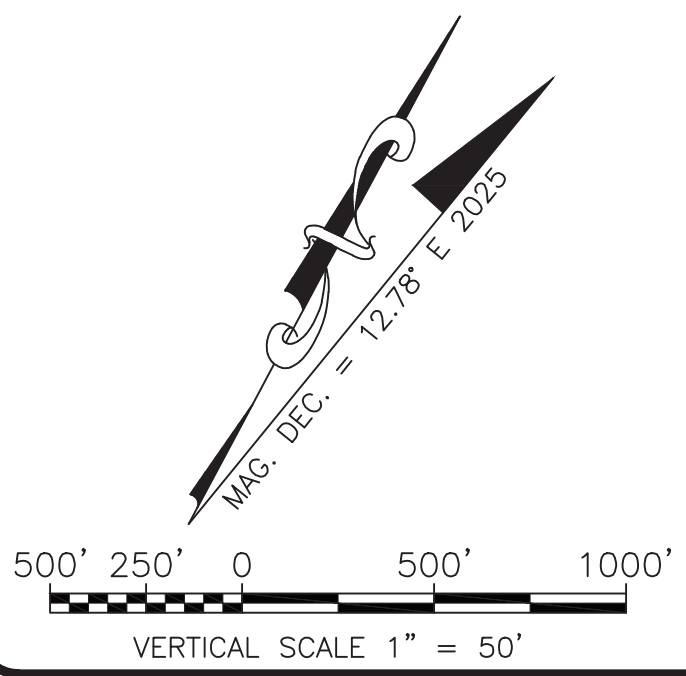
BY	DATE	REVISION

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION	
NIKOLAI AIRPORT NIKOLAI, ALASKA AIRPORT LAYOUT PLAN EXISTING DEPARTURE SURFACE RW 05-23	DATE: 5/12/2021 SHEET: 14 OF 19

Date Plotted: 16/07/2021, 1:36 PM
 Layout Name: U:\Final\Departure Surface - Runway 05 23 (2)
 File Name: W:\Projects\Nikolai Airport\Drawings\ALP\Runway 05 23\Drawings\ALP-FSP-PLAN.dwg
 Designed By: JLM
 Drawn By: RJB
 Checked By: PWC



- NOTES:**
1. ALL ELEVATIONS ARE FROM THE 2020 RECORD OF SURVEY FOR NIKOLAI AIRPORT. MOUNT MCKINLEY RECORDING DISTRICT.
 2. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3), MCGRATH (D-3), 2020 RECORD OF SURVEY AND AERIAL IMAGERY FROM DCCED.
 3. THE COMPOSITE PROFILE ELEVATIONS OUTSIDE OF THE AIRPORT PROPERTY BOUNDARY ARE ESTIMATES BASED ON THE BASEMAP DATA DESCRIBED IN NOTE 2.
 4. THE WATER ELEVATION WAS DETERMINED USING NOAA TIDES AND CURRENTS DATA.
 5. DEPARTURE SURFACE CRITERIA IS BASED ON ENGINEERING BRIEF 99A TO AC 150/5300-13A, CHANGE 1,



BY	DATE	REVISION

**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION**

NIKOLAI AIRPORT
NIKOLAI, ALASKA
AIRPORT LAYOUT PLAN

ULTIMATE DEPARTURE SURFACE
RW 05-23

DATE:
5/12/2021
SHEET:
15 OF
19

Date Plotted: 5/07/2021, 1:36 PM
 Layout Name: DEPARTURE OBSTRUCTION TABLES
 File Name: W:\Projects\Nikolai\ALP\Nikolai\ALP\Nikolai\Drawings\ALP-FSP-PLAN.dwg
 Designed By: JLM
 Drawn By: RJB
 Checked By: PWC

EXISTING DEPARTURE OBSTRUCTIONS (RUNWAY 05)

ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
1	TREE	24+07.14 68.75R	492.0	480.7	11.3	REMOVE	ULTIMATE
3	HIGHEST TREE IN GROUP	27+25.00 199.65R	489.5	472.8	16.7	REMOVE	ULTIMATE
6	HIGHEST TREE IN GROUP	29+53.84 284.31L	483.2	471.7	11.5	REMOVE	ULTIMATE
7	ROAD +15	29+97.05	455.4	466.0	-10.6	REMAIN	N/A
8	SIGN	30+15.69 15.54R	449.2	465.5	-16.3	REMAIN	N/A
9	BOLLARD	30+50.52 149.60L	447.1	464.7	-17.6	REMAIN	N/A
10	FENCE	30+58.0312.95R	446.6	464.5	-17.9	REMAIN	N/A
11	FENCE	30+86.93 40.54R	445.5	463.7	-18.2	REMAIN	N/A
12	FENCE HIGH POINT	31+40.45 135.48L	449.0	462.4	-13.4	REMAIN	N/A
13	ROAD HIGH POINT +15	31+42.97 295.78L	459.5	487.2	-27.7	REMAIN	N/A
15	FENCE	31+84.00131.32R	443.8	461.3	-17.5	REMAIN	N/A
16	FENCE	32+68.13 209.13R	444.6	466.8	-22.2	REMAIN	N/A

ULTIMATE DEPARTURE OBSTRUCTIONS (RUNWAY 05)

ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
1	TREE	24+07.14 68.75R	492.0	480.7	11.3	REMOVE	ULTIMATE
3	HIGHEST TREE IN GROUP	27+25.00 199.65R	489.5	472.8	16.7	REMOVE	ULTIMATE
6	HIGHEST TREE IN GROUP	29+53.84 284.31L	483.2	471.7	11.5	REMOVE	ULTIMATE
7	ROAD +15	29+97.05	455.4	466.0	-10.6	REMAIN	N/A
8	SIGN	30+15.69 15.54R	449.2	465.5	-16.3	REMAIN	N/A
9	BOLLARD	30+50.52 149.60L	447.1	464.7	-17.6	REMAIN	N/A
10	FENCE	30+58.0312.95R	446.6	464.5	-17.9	REMAIN	N/A
11	FENCE	30+86.93 40.54R	445.5	463.7	-18.2	REMAIN	N/A
12	FENCE HIGH POINT	31+40.45 135.48L	449.0	462.4	-13.4	REMAIN	N/A
13	ROAD HIGH POINT +15	31+42.97 295.78L	459.5	487.2	-27.7	REMAIN	N/A
15	FENCE	31+84.00131.32R	443.8	461.3	-17.5	REMAIN	N/A
16	FENCE	32+68.13 209.13R	444.6	466.8	-22.2	REMAIN	N/A

EXISTING DEPARTURE OBSTRUCTIONS (RUNWAY 23)

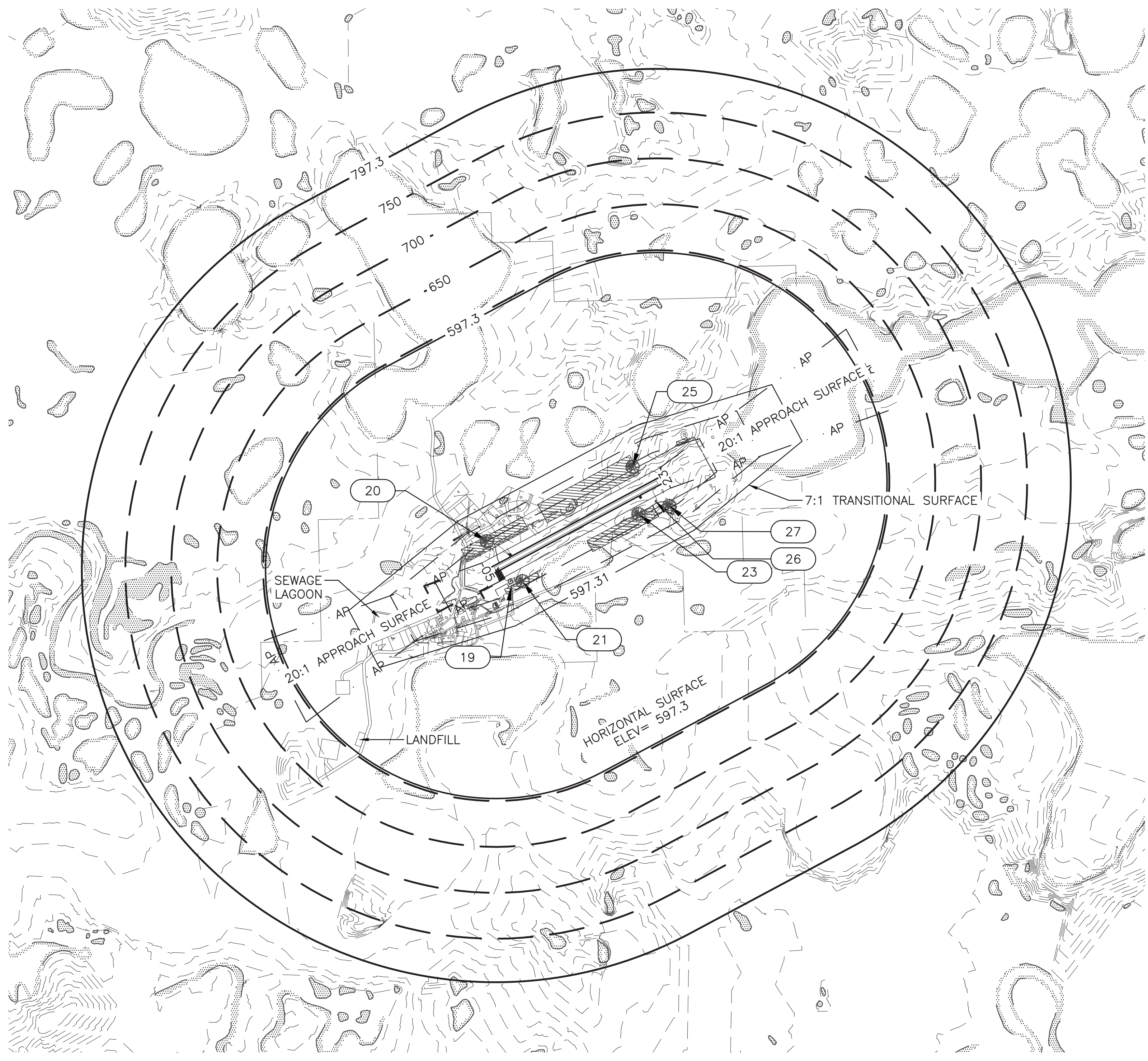
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
30	TREE	88+24.66 502.61L	542.9	536.0	6.9	REMOVE	ULTIMATE
31	TREE	90+08.62 321.61R	494.0	476.9	17.1	REMOVE	ULTIMATE
32	TREE	91+25.65 367.94L	505.2	479.8	25.4	REMOVE	ULTIMATE
33	TREE	92+60.1 100.49R	496.6	483.2	13.5	REMOVE	ULTIMATE

ULTIMATE DEPARTURE OBSTRUCTIONS (RUNWAY 23)

ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
30	TREE	88+24.66 502.61L	542.9	536.0	6.9	REMOVE	ULTIMATE
31	TREE	90+08.62 321.61R	494.0	476.9	17.1	REMOVE	ULTIMATE
32	TREE	91+25.65 367.94L	505.2	479.8	25.4	REMOVE	ULTIMATE
33	TREE	92+60.1 100.49R	496.6	483.2	13.5	REMOVE	ULTIMATE

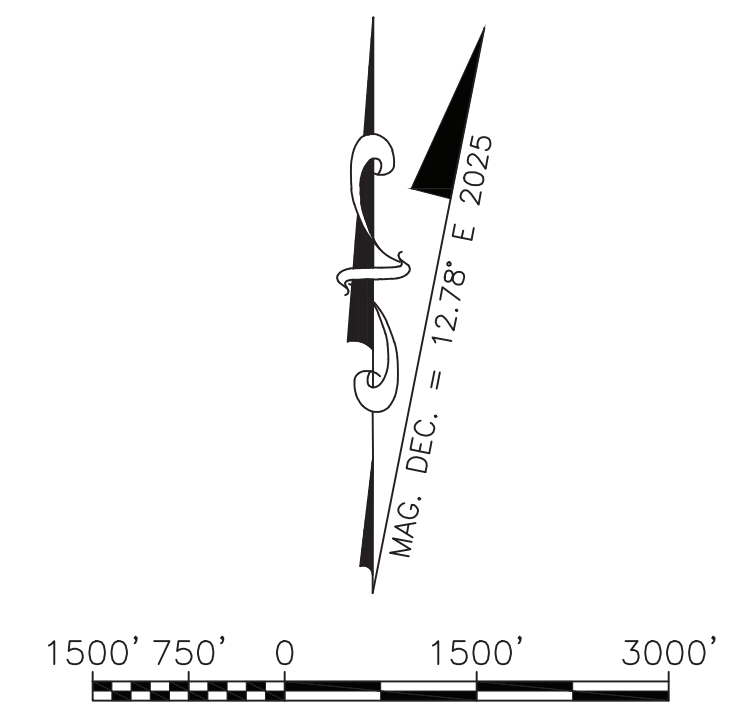
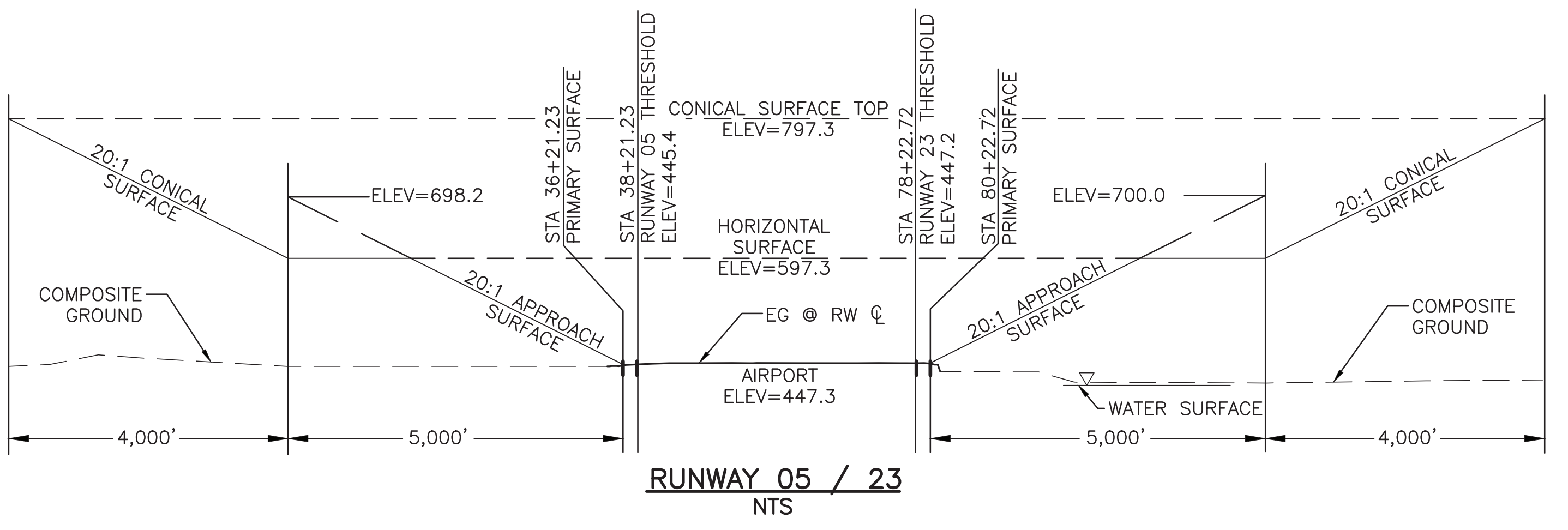
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION
		NIKOLAI AIRPORT NIKOLAI, ALASKA AIRPORT LAYOUT PLAN DEPARTURE OBSTRUCTION TABLES
		DATE: 5/12/2021
		SHEET: 16 OF 19
BY:	DATE:	REVISION:

Date Plotted: 16/07/2021, 1:36 PM
 Layout Name: Airport Airspace 14 CFR Part 77
 File Name: W:\Projects\Nikolai\ALP\Nikolai_Layout_Plan\CAD\Final Drawings\ALP-FSP-PLAN.dwg
 Designed By: JLM
 Drawn By: RJB
 Checked By: PWC



NOTES:

1. ALL ELEVATIONS ARE FROM THE 2020 RECORD OF SURVEY FOR NIKOLAI AIRPORT, MOUNT MCKINLEY RECORDING DISTRICT.
2. BASE MAP WAS CREATED USING A COMBINATION OF DATA FROM USGS-QUADS MEDFRA (A-3) AND MCGRATH (D-3) AND 2020 RECORD OF SURVEY.
3. THE COMPOSITE PROFILE ELEVATIONS OUTSIDE OF THE AIRPORT PROPERTY BOUNDARY ARE ESTIMATES BASED ON THE BASEMAP DATA DESCRIBED IN NOTE 2.
4. ESTABLISHED AIRPORT ELEVATION IS 447.3.
5. APPROACH SURFACES ARE 20:1 BEGINNING 200 FEET FROM THE TRESHOLD.
6. WIDTH OF PRIMARY SURFACE IS 500 FEET.
7. REFER TO INNER APPROACH SHEETS FOR CLOSE IN OBSTRUCTIONS.
8. THE SEWAGE LAGOON IS LOCATED APPROXIMATELY 2,710 FEET FROM THE RUNWAY.
9. THE LANDFILL IS LOCATED APPROXIMATELY 4,730 FEET FROM THE RUNWAY.
10. PARKED AIRCRAFT AT THE TIE-DOWNS LOCATED ON THE APRON ARE AN OBSTRUCTION TO THE PART 77 TRANSITIONAL SURFACE.



PART 77 OBSTRUCTION TABLE

ID #	DESCRIPTION	STATION/OFFSET	TOP ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
19	UTILITY POLE	39+42.59 503.69R	469.4	TRANSITIONAL	483.6	-14.2	REMAIN	N/A
20	HIGHEST TREE IN GROUP	39+43.17 617.44L	507.1	TRANSITIONAL	499.8	7.3	REMOVE	ULTIMATE
21	TREE	42+18.50 516.08R	484.8	TRANSITIONAL	485.3	-0.5	REMOVE	ULTIMATE
23	HIGHEST TREE IN GROUP	71+33.20 418.41R	508.0	TRANSITIONAL	471.4	36.6	REMOVE	ULTIMATE
25	HIGHEST TREE IN GROUP	75+05.96 550.69L	505.6	TRANSITIONAL	490.3	15.3	REMOVE	ULTIMATE
26	WIND CONE	75+94.29 348.95R	459.7	TRANSITIONAL	461.5	-1.8	REMAIN	N/A
27	TREE	78+11.28 577.87R	490.1	TRANSITIONAL	494.2	-4.0	REMOVE	ULTIMATE

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION		
NIKOLAI AIRPORT NIKOLAI, ALASKA AIRPORT LAYOUT PLAN		DATE: 5/12/2021 SHEET: 18 OF 19
AIRPORT AIRSPACE, 14 CFR, PART 77		
BY	DATE	REVISION

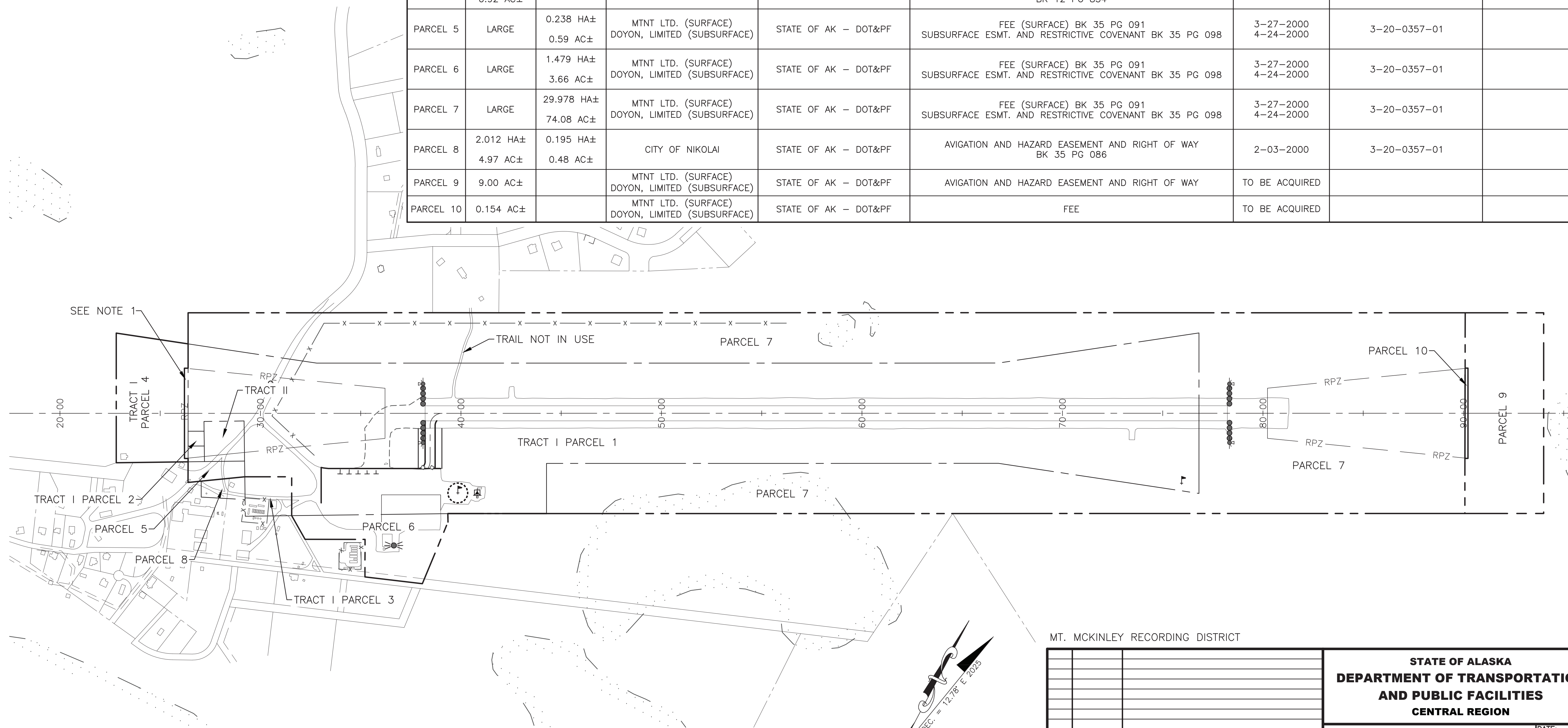
Date Plotted: 15/05/2021, 9:58 AM
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 Designed By: JLM
 Drawn By: RJB
 Checked By: PWC

LEGEND

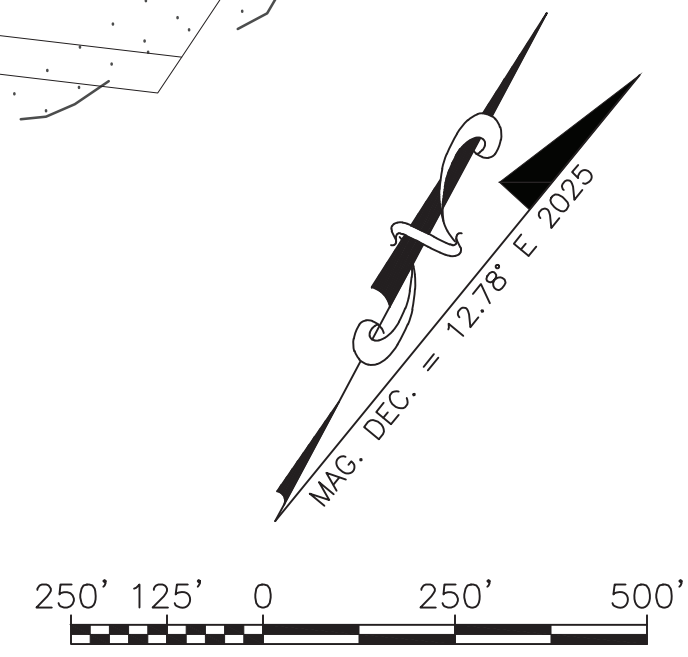
- EXISTING PROPERTY LINE
- ULTIMATE PROPERTY LINE
- EXISTING PARCEL LINE

PROPERTY STATUS

PARCEL	LARGER PARCEL	TAKE	GRANTOR	GRANTEE	DOT&PF INTEREST ACQUIRED / RELEASED	DATE ACQUIRED	ACQUIRED UNDER NO.	A.I.P.	NOTES
TRACT I PARCEL 1	27.778 HA± (REMAINDER) 68.64 AC±		MTNT LTD.	STATE OF AK - DOT&PF	FEE QUIT CLAIM DEED BK 12 PG 848 SEE ANSCA 14(c) SURVEY PLAT 2006-2 FOR BOUNDARY CHANGE	8/27/1980	ADAP 79-1/5-02-0357-01/80		
TRACT I PARCEL 2	0.055 HA± 0.14 AC±		STATE OF AK - DOT&PF	CITY OF NIKOLAI	PEDESTRIAN EASEMENT AND ROW BK 35 PAGE 162	6/12/2000			EASEMENT EXISTING CEMETERY
TRACT I PARCEL 3	0.420 HA± 1.04 AC±		STATE OF AK - DOT&PF	CITY OF NIKOLAI	COMMISSIONER'S QUIT CLAIM DEED BK 35 PG 157	6/12/2000			EXISTING TANK FARM
TRACT I PARCEL 4	2.054 HA± 5.07 AC±		STATE OF AK - DOT&PF		TO BE TRANSFERRED	TO BE GRANTED			
TRACT II	0.372 HA± 0.92 AC±		MTNT LTD.	STATE OF AK - DOT&PF	PERMIT, AVIGATION AND HAZARD EASEMENT AND RIGHT OF WAY BK 12 PG 854	8/27/1980			EXISTING CEMETERY
PARCEL 5	LARGE	0.238 HA± 0.59 AC±	MTNT LTD. (SURFACE) DOYON, LIMITED (SUBSURFACE)	STATE OF AK - DOT&PF	FEE (SURFACE) BK 35 PG 091 SUBSURFACE ESMT. AND RESTRICTIVE COVENANT BK 35 PG 098	3-27-2000 4-24-2000	3-20-0357-01		
PARCEL 6	LARGE	1.479 HA± 3.66 AC±	MTNT LTD. (SURFACE) DOYON, LIMITED (SUBSURFACE)	STATE OF AK - DOT&PF	FEE (SURFACE) BK 35 PG 091 SUBSURFACE ESMT. AND RESTRICTIVE COVENANT BK 35 PG 098	3-27-2000 4-24-2000	3-20-0357-01		
PARCEL 7	LARGE	29.978 HA± 74.08 AC±	MTNT LTD. (SURFACE) DOYON, LIMITED (SUBSURFACE)	STATE OF AK - DOT&PF	FEE (SURFACE) BK 35 PG 091 SUBSURFACE ESMT. AND RESTRICTIVE COVENANT BK 35 PG 098	3-27-2000 4-24-2000	3-20-0357-01		
PARCEL 8	2.012 HA± 4.97 AC±	0.195 HA± 0.48 AC±	CITY OF NIKOLAI	STATE OF AK - DOT&PF	AVIGATION AND HAZARD EASEMENT AND RIGHT OF WAY BK 35 PG 086	2-03-2000	3-20-0357-01		
PARCEL 9	9.00 AC±		MTNT LTD. (SURFACE) DOYON, LIMITED (SUBSURFACE)	STATE OF AK - DOT&PF	AVIGATION AND HAZARD EASEMENT AND RIGHT OF WAY	TO BE ACQUIRED			
PARCEL 10	0.154 AC±		MTNT LTD. (SURFACE) DOYON, LIMITED (SUBSURFACE)	STATE OF AK - DOT&PF	FEE	TO BE ACQUIRED			



NOTES:
 1. TRACT I PARCEL 4 IS TO BE TRANSFERRED IN THE NEAR-TERM EXCEPT FOR THE PORTION NEEDED FOR THE RPZ.



MT. MCKINLEY RECORDING DISTRICT

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

NIKOLAI AIRPORT
 NIKOLAI, ALASKA
 AIRPORT LAYOUT PLAN

AIRPORT PROPERTY MAP

DATE:
5/12/2021

SHEET:
19 OF 19