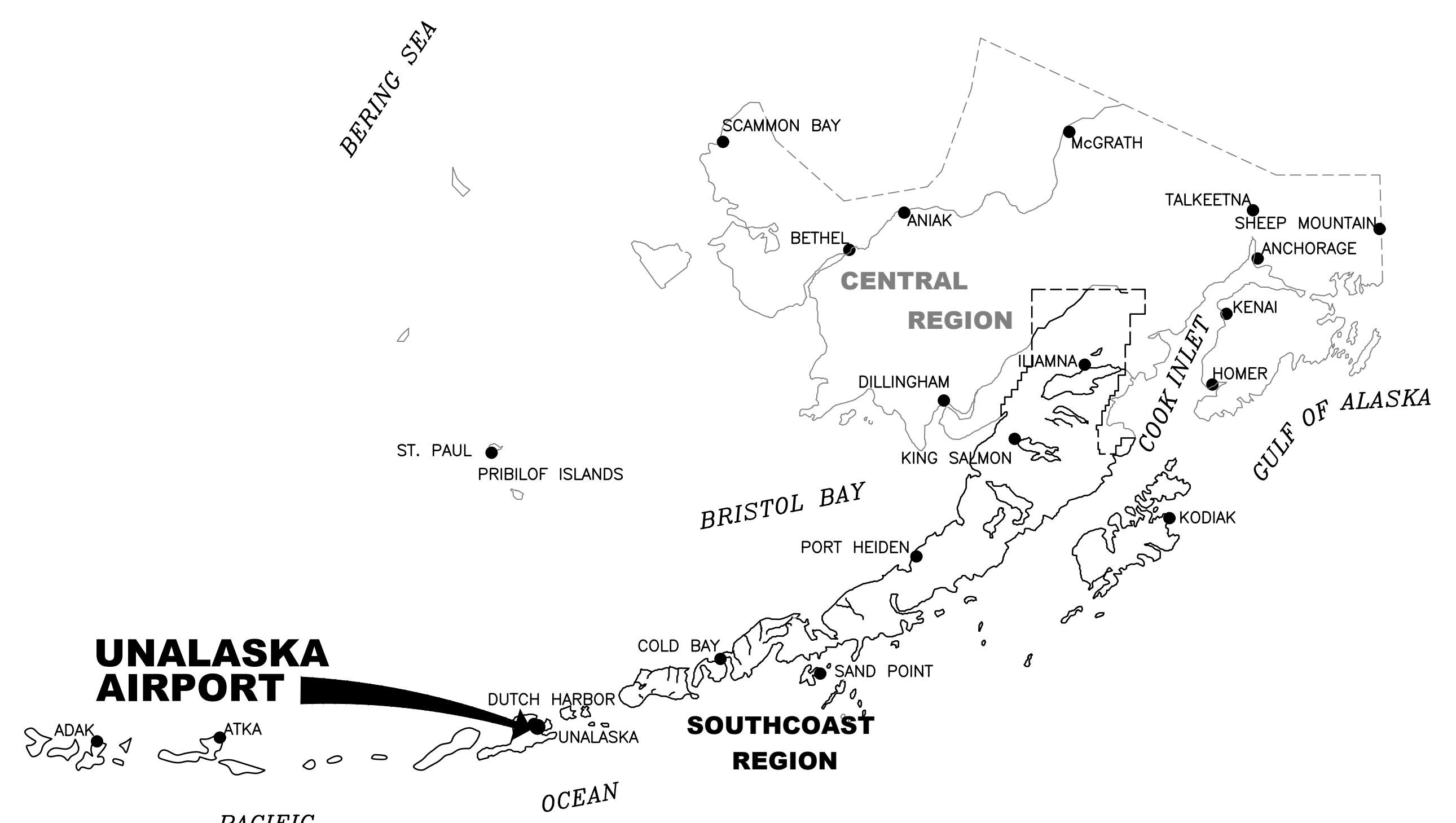


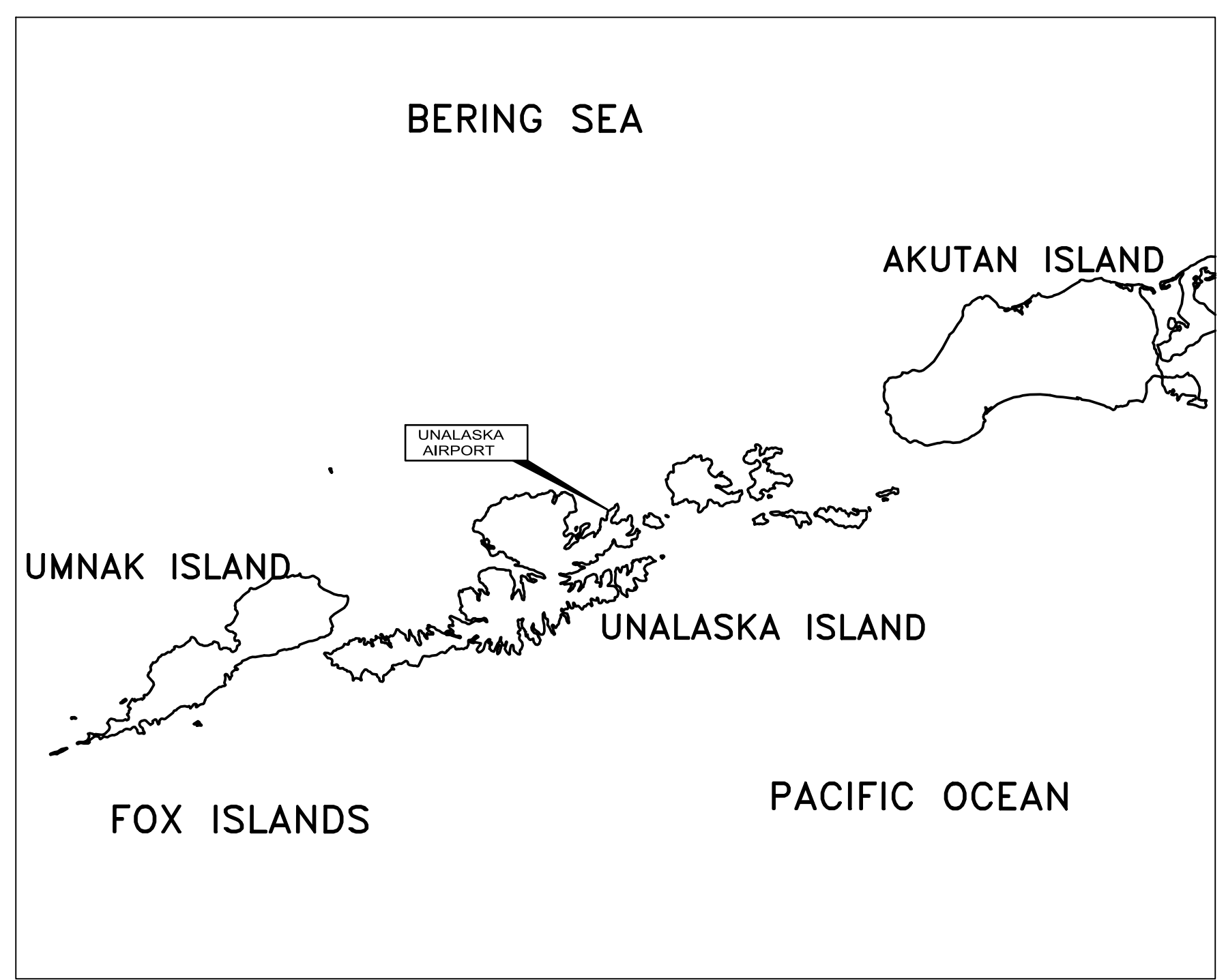
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 Designed By: XXX
 Drawn By: XXX
 Checked By: XXX

UNALASKA AIRPORT AIRPORT LAYOUT PLAN UNALASKA, ALASKA



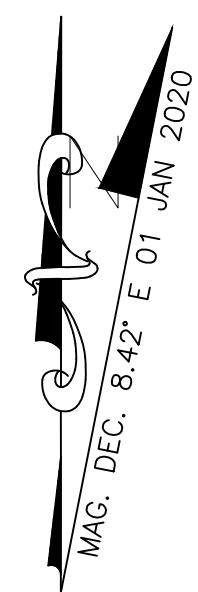
ALASKA SOUTHCOAST REGION LOCATION MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE



ITEM	LEGEND	
	EXISTING	FUTURE
AIRPORT REFERENCE POINT (A.R.P.)	⊙	⊙
ANTENNA	▲	▲
BUILDINGS	■	■
BUILDINGS TO BE REMOVED	NOT APPLICABLE	▨
BUILDING RESTRICTION LINE	— BRL —	— BRL —
FAA WEATHER STATION	⊠	⊠
FENCE	— x — x — x —	— x — x — x —
VASI	□ □	NOT APPLICABLE
PAPI-4	NOT APPLICABLE	□ □ □ □
PROPERTY LINE	— — — — —	— — — — —
REIL	— & —	— & —
ROADWAYS	- - - - -	= = = = =
ROTATING BEACON	⊕	⊕
RUNWAY OBJECT FREE AREA	— OFA —	— OFA —
RUNWAY OBSTACLE FREE ZONE	— OFZ —	— OFZ —
RUNWAY PROTECTION ZONE	— RPZ —	— RPZ —
RUNWAY SAFETY AREA	— RSA —	— RSA —
SEGMENTED CIRCLE	⊙	⊙
SHORELINE	— — — — —	— — — — —
SURVEY MONUMENT	⊙	⊙
THRESHOLD MARKERS/LIGHTS	○○ ○○	○○○○ ○○○○
TOPOGRAPHIC CONTOURS	- - - - -	SAME
PAVEMENT / ROAD TO BE REMOVED	NOT APPLICABLE	▨
UTILITY POLE	•	•
WATER BODY	— — — — —	— — — — —
WIND CONE	F	F
PAVEMENT	■	■
LANDMASS / SHORE IMPROVEMENT	NOT APPLICABLE	■
EMAS	NOT APPLICABLE	■
74' BOAT MOVEMENT AREA	-	-
TOPOGRAPHICAL PENETRATION	-	▨
74' MULTIPLE OCS BOAT PENETRATION	-	▨

DRAWING INDEX	
SHT #	SHEET TITLE
1	TITLE SHEET
2	AIRPORT DATA SHEET
3	AIRPORT LAYOUT PLAN – EXISTING CONDITIONS
4	AIRPORT LAYOUT PLAN – FUTURE CONDITIONS
5	RUNWAY PROFILE
6	AIRPORT AIRSPACE DRAWING PLAN VIEW
7	AIRPORT AIRSPACE DRAWING PROFILE VIEW
8	INNER PORTION OF THE APPROACH SURFACE RUNWAY 13
9	INNER PORTION OF THE APPROACH SURFACE RUNWAY 31
10	AIRPORT TERMINAL AREA PLAN
11	LAND USE PLAN
12	AIRPORT PROPERTY MAP

BY	DATE	REVISION

APPROVED: _____ DATE: 1/18/2023
 (Signed by) **KIRK MILLER, P.E.** PRECONSTRUCTION ENGINEER
RECOMMENDED: _____ DATE: 1/18/2023
 (Signed by) **DAVID EPSTEIN, P.E.** AVIATION DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO
 ALP APPROVAL LETTER DATED 1/19/2023
 FAA AIRSPACE REVIEW NUMBER: 2022-AAL-209-NRA

FAA, AIRPORTS DIVISION ALASKAN REGION.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHCOAST REGION

UNALASKA AIRPORT
 UNALASKA, ALASKA
 AIRPORT LAYOUT PLAN

TITLE SHEET

DATE: DEC. 2022
 SHEET: 1 OF 12

Date Plotted: 12/22/2022 4:37 PM
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 File Name: C:\Users\jordan.zelhuber\OneDrive\Work\Projects\alaska\unlaska\airport\DATA_SHEET_REV-A.DWG
 Designed By: XXX
 Drawn By: XXX
 Checked By: XXX

AIRPORT DATA TABLE		
ITEM	EXISTING	FUTURE
ICAO IDENTIFIER	PADU	PADU
NATIONAL AIRPORT IDENTIFIER	DUT	DUT
FAA SITE NUMBER	5080.1*A	5080.1*A
AIRPORT ELEVATION NAVD88	23.3'	22.5'
AIRPORT REFERENCE CODE	B-III	B-III
NPAIS SERVICE LEVEL	COMMERCIAL SERVICE PRIMARY	COMMERCIAL SERVICE PRIMARY
HUB	NON-HUB	NON-HUB
MEAN MAX. TEMPERATURE, HOTTEST MONTH	58.7 F AUGUST	SAME
AIRPORT AND TERMINAL NAVIGATION AIDS	NDB, DME, GPS	SAME
MISCELLANEOUS FACILITIES	AWOS, LIGHTED WIND CONE, SEGMENTED CIRCLE, SUPPLEMENTAL WIND CONES, RUNWAY LIGHTING, TAXIWAY LIGHTING	SAME
OBSTRUCTION SURVEY SOURCE & TYPE	VERTICALLY GUIDED	VERTICALLY GUIDED
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	8°42'E, 2020*, 0'11' (W) PER YEAR	

FAA THIRD PARTY 18B SURVEY: 2016_DUT_ANP_5943.SPC, 2012_DUT_PIR_4541.SPC
 SOURCE: IAGA-IGRF-12 WWW.NGDC.NOAA.GOV

WIND DATA TABLE					
WIND ROSE	RUNWAY	10.5 kt	13 kt	16 kt	20 kt
ALL WEATHER	13/31	84.64%	90.50%	94.83%	98.59%
IMC	13/31	84.70%	90.60%	95.62%	98.46%
VMC	13/31	84.72%	90.56%	95.91%	98.64%

NOTES:
 1. THIS GRAPHICAL CHART PLOTS, FOR THE DATA PERIOD LISTED, THE RECORDED OCCURRENCES (IN PERCENT) OF WIND BY DIRECTION AND SPEED WHILE THE RECTANGULAR BOXES REPRESENT THE MAXIMUM ACCEPTABLE CROSSWIND COMPONENTS OF 10.5, 13, 16, AND 20 KNOTS RESPECTIVELY. MAXIMUM ALLOWABLE CROSSWIND COMPONENT:
 10.5 KNOTS (RDC A-I AND B-I)
 13 KNOTS (RDC A-II AND B-II)
 16 KNOTS (RDC A-III, B-III, C-I THROUGH D-III, D-I THROUGH D-III)
 20 KNOTS (RDC A-IV AND B-IV, C-IV THROUGH C-VI, D-IV THROUGH D-VI, E-I THROUGH E-VI)

2. RUNWAYS ARE NUMBERED USING MAGNETIC HEADINGS WHILE WIND DATA IS PRESENTED USING TRUE HEADINGS
 SOURCE:
 FEDERAL AVIATION ADMINISTRATION, AIRPORT DATA AND INFORMATION PORTAL,
<https://adip.faa.gov/agis/public/#/windAnalysisTools>
 SURFACE OBSERVATION DATA OBTAINED FOR AWOS WEATHER STATION: 704890, DUTCH HARBOR, UNALASKA, ALASKA
 RECORD PERIOD: 2010-2019

ALL-WEATHER OBSERVATIONS: 126,708 (100% OF ALL OBSERVATIONS)
 IMC OBSERVATIONS: 20,296 (16.02% OF ALL OBSERVATIONS)
 VMC OBSERVATIONS: 108,347 (85.51% OF ALL OBSERVATIONS)
 AIRPORT IDENTIFIER: (IATA: DUT, ICAO: PADU, FAA IID: DUT)
 ALL WIND ROSES DEPICTED RELATIVE TO TRUE NORTH (NAD 83)

DECLARED DISTANCES				
DISTANCES	EXISTING		FUTURE	
RUNWAY	13	31	13	31
TORA	4,500'	4,500'	4,350'	4,350'
TODA	4,337'	4,500'	4,350'	4,350'
ASDA	4,200'	4,200'	4,350'	4,350'
LDA	3,900'	3,900'	4,350'	4,350'

RUNWAY 13/31 DATA TABLE			
ITEM	EXISTING	FUTURE	
MAXIMUM RUNWAY CROSSWIND COMPONENT	B-III 16 KTS	B-III 16 KTS	
RUNWAY WIND COVERAGE % (ALL WEATHER)	94.83%	94.83%	
RUNWAY TYPE (UTILITY OR OTHER THAN UTILITY)	OTHER THAN UTILITY	OTHER THAN UTILITY	
CFR PART 77 APPROACH CATEGORY (V, NPI, P)	B(V)/B(V)	SAME	
CFR PART 77 APPROACH SLOPE	20:1/20:1	20:1/20:1	
RUNWAY DESIGN CODE (RDC)	B-III-5000	B-III-5000	
APPROACH REFERENCE CODE (APRC)	NOT APPLICABLE	NOT APPLICABLE	
DEPARTURE REFERENCE CODE (DPRC)	NOT APPLICABLE	NOT APPLICABLE	
LOWEST APPROACH VISIBILITY MINIMUMS	NDB-A CIRCLING: 1 1/4 MILE	SAME	
CRITICAL AIRCRAFT	DHC-8-100 (B-III)	DHC-8-300 (B-III)	
AC 150/5300-13A TABLE 3-2 OBSTACLE CLEARANCE TYPE	TYPE 4 OCS SLOPE 20:1 (CIRCLING)	SAME	
RUNWAY SURFACE TYPE	ASPHALT	SAME	
PAVEMENT STRENGTH SW,DW,STW,DDTW x1000LBS	S-60.0 2D-210.0	SAME	
PCN	86/F/B/X/T	SAME	
AIRCRAFT APPROACH CATEGORY	B	B	
AIRPLANE DESIGN GROUP	III	III	
RUNWAY CENTERLINE BEARING (DEGREES TRUE)	13 135° 34' 19.6027" (True) 31 315° 35' 02.0833" (True)	13 135° 34' 20.7854" (True) 31 315° 35' 01.8488" (True)	
RUNWAY END ELEVATION	13-23.3' / 31-14.1'	13-22.5' / 31-14.1'	
RUNWAY TOUCHDOWN ZONE ELEVATION	13-23.3' / 31-18.45'	13-22.5' / 31-18.45'	
EFFECTIVE GRADE	-0.20% / 0.20%	-0.19% / + 0.19%	
RUNWAY DIMENSIONS	4,500' L X 100' W	4,350' L X 100' W	
RUNWAY SAFETY AREA (RSA) DIMENSIONS	150' W X 4,650' L *	300' W X 4,582' L	
EMAS LENGTH AND WIDTH BEYOND EACH RUNWAY END	NOT APPLICABLE	114' L X 120' W	
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	1,000' X 500' X 700'	1,000' X 500' X 700'	
RUNWAY OBJECT FREE AREA (OFA) DIMENSIONS	5,700' L X 800' W *	5,550' L X 800' W *	
RUNWAY OBSTACLE FREE ZONE (OFZ) DIMENSIONS	4,900' L X 400' W	4,750' L X 400' W	
DISPLACED THRESHOLDS BY RUNWAY	13 300' 31 300'	NONE NONE	
RUNWAY LIGHTING	MIRL	SAME	
RUNWAY MARKING TYPE	NON-PRECISION	NON-PRECISION	
VISUAL GUIDANCE LIGHTING SYSTEM	13	VASI-4L GUIDE ANGLE: 3.0° THRESHOLD CROSSING HEIGHT: 38' CONTROLLING OBSTACLE: BOAT.	PAPI-4L GUIDE ANGLE: 3.0° THRESHOLD CROSSING HEIGHT: 38' CONTROLLING OBSTACLE: BOAT.
	31	VASI-4R GUIDE ANGLE: 3.0° THRESHOLD CROSSING HEIGHT: 32' CONTROLLING OBSTACLE: BOAT, REIL	PAPI-4R GUIDE ANGLE: 3.0° THRESHOLD CROSSING HEIGHT: 32' CONTROLLING OBSTACLE: BOAT, REIL

*SEE NON-STANDARD CONDITIONS TABLE ON SHEET 3

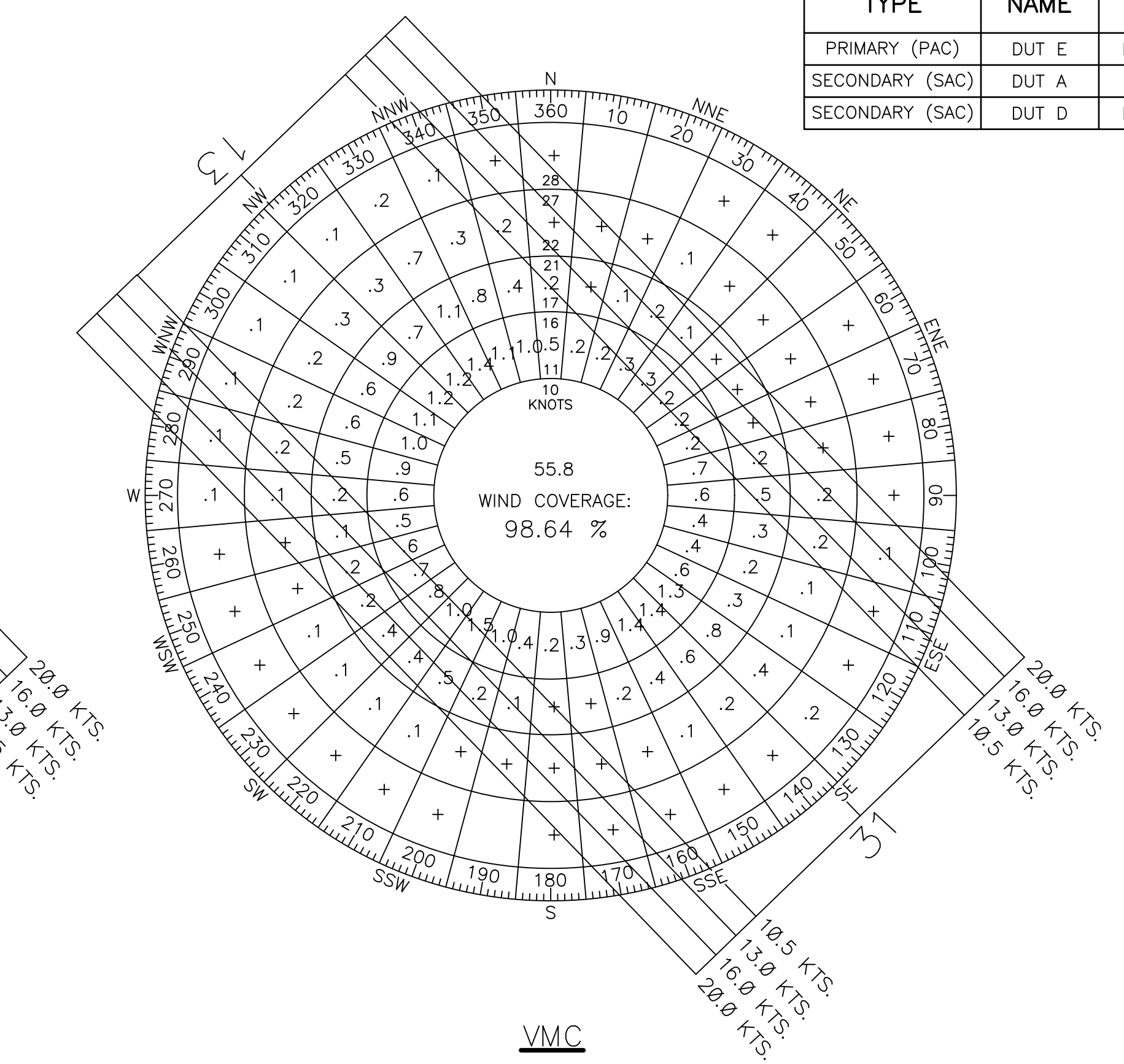
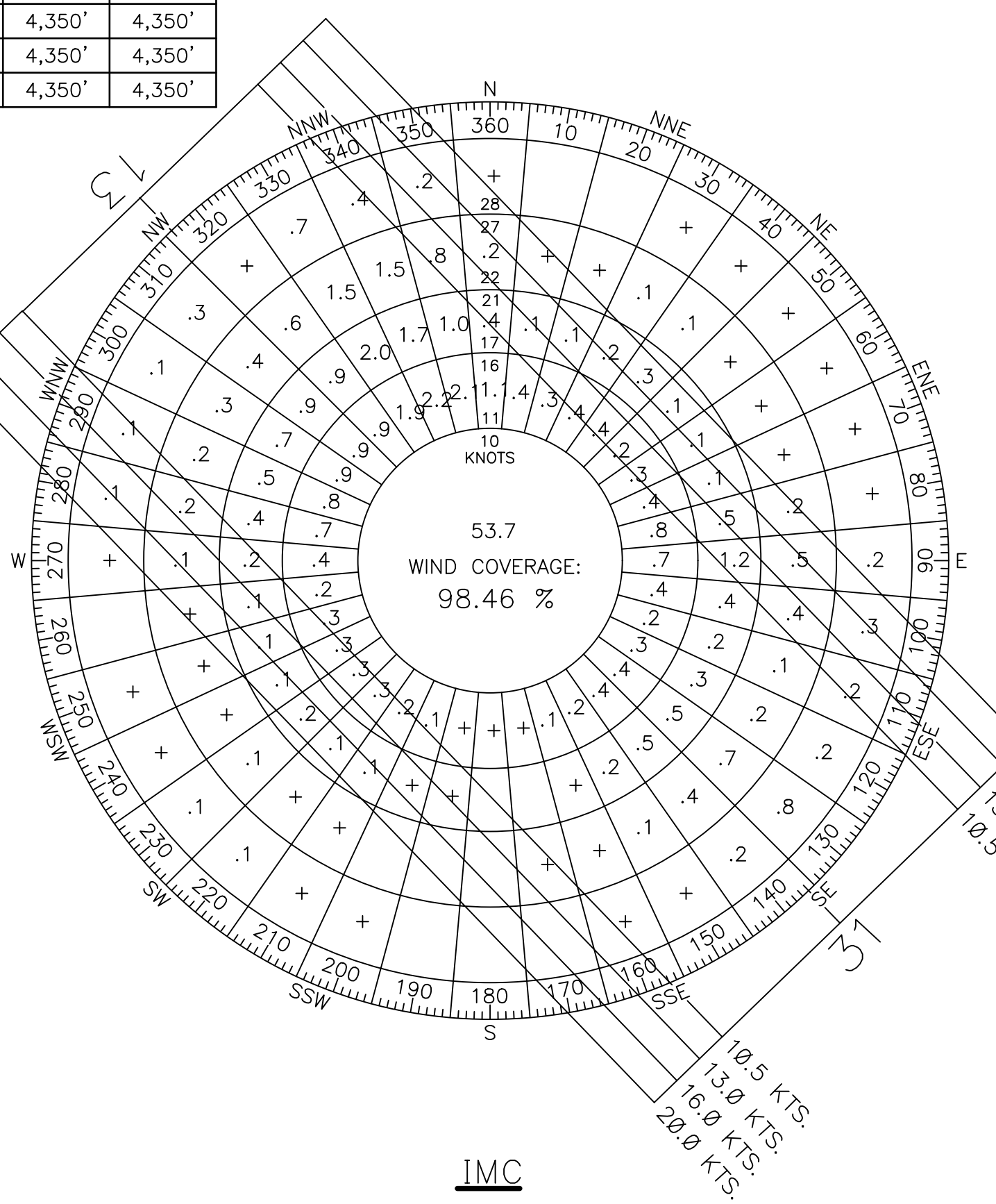
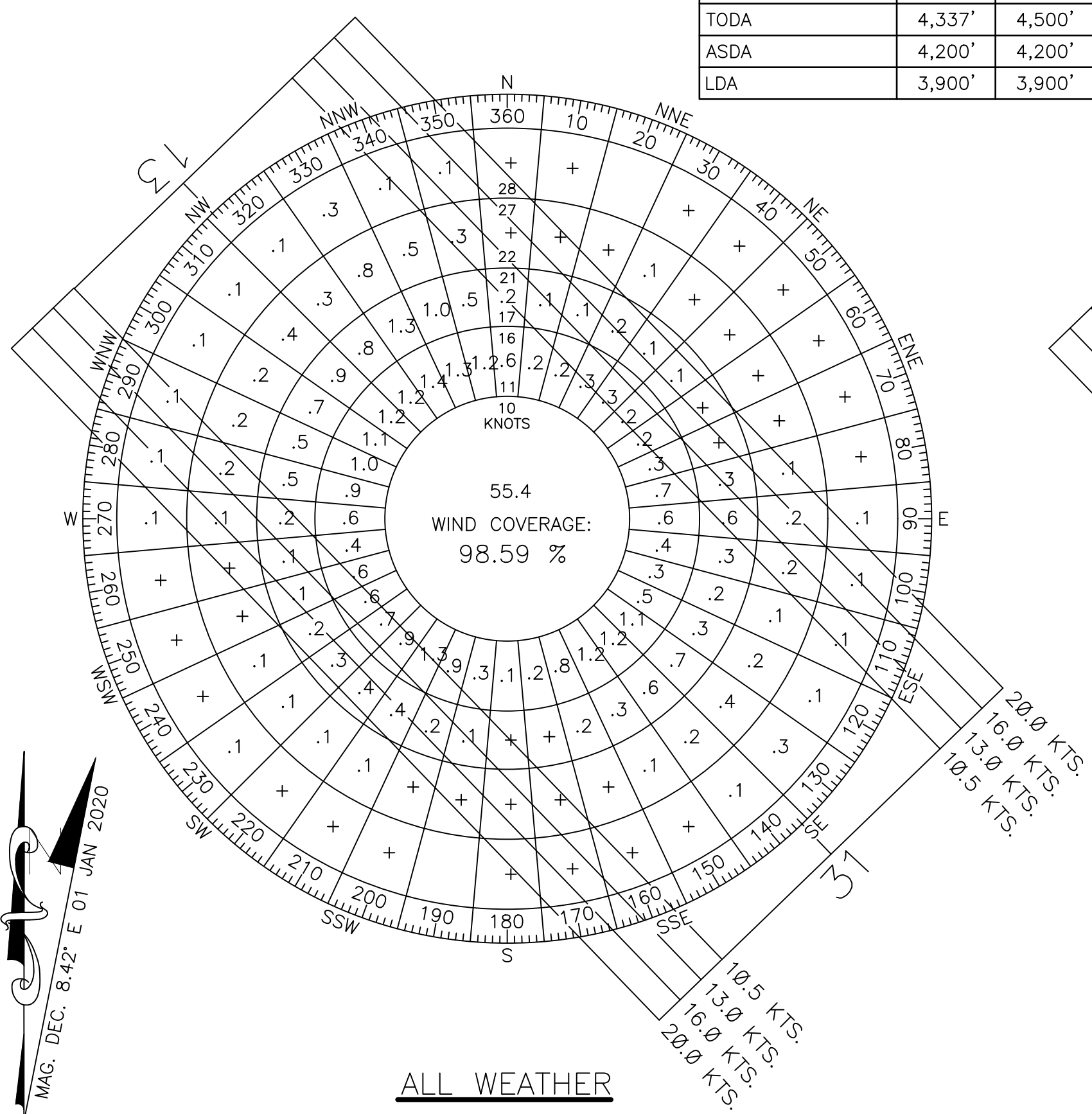
GEOGRAPHIC COORDINATES TABLE						
ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	ELEVATION		FUTURE LATITUDE	FUTURE LONGITUDE
			EXISTING	FUTURE		
A.R.P.	53°53'56.20" N	166°32'42.10" W			53°53'55.65" N	166°32'41.20" W
DISPLACED THRESHOLD RW 13	53°54'09.90" N	166°33'04.86" W	21.7'	N/A	N/A	N/A
DISPLACED THRESHOLD RW 31	53°53'42.44" N	166°32'19.29" W	14.1'	N/A	N/A	N/A
RUNWAY END 13	53°54'12.02" N	166°33'08.36" W	23.3'	22.5'	53°54'10.96" N	166°33'06.61" W
RUNWAY END 31	53°53'40.33" N	166°32'15.79" W	14.1'	SAME	53°53'40.33" N	166°32'15.79" W

TAXILANE / TAXIWAY DATA				
ITEM	EXISTING	FUTURE	FUTURE	FUTURE
	TAXILANES A/B	TAXIWAY A	TAXIWAY B	TAXIWAY C
AIRPLANE DESIGN GROUP	III	III	II	III
TAXIWAY DESIGN GROUP	TDG-3	TDG-3	TDG-2	TDG-3
TAXIWAY SURFACE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
TAXIWAY WIDTH	50'	50'	35'	50'
SHOULDER WIDTH	15' *	20'	15'	20'
SAFETY AREA (TSA) WIDTH	79' *	118'	79'	118'
TEDGE SAFETY MARGIN (TESM)	7.5' *	10'	7.5'	10'
OBJECT FREE AREA (OFA) WIDTH	124' *	171'	124'	171'
EDGE LIGHTING	MIRL (ENTRANCE / EXIT)	MIRL (ENTRANCE / EXIT)	MIRL (ENTRANCE / EXIT)	MIRL (ENTRANCE / EXIT)
MARKING	SAFETY AREA WIDTH, ENHANCED TAXIWAY CENTERLINE	SAFETY AREA WIDTH, RUNWAY HOLD POSITION	SAFETY AREA WIDTH, RUNWAY HOLD POSITION	SAFETY AREA WIDTH, RUNWAY HOLD POSITION

MODIFICATION TO FAA DESIGN STANDARDS			
FAA APPROVAL DATE	AIRSPACE CASE NUMBER	STANDARD TO BE MODIFIED	DESCRIPTION
10/20/2014	229702588	150/5340-1L STANDARDS FOR AIRPORT MARKINGS	PROVIDE 50 FEET OF ENHANCED TAXIWAY CENTERLINE PRIOR TO HOLD LINE OF TAXIWAY A

NGS ESTABLISHED PACS AND SACS					
TYPE	NAME	PID	GEOGRAPHIC LOCATION (NAD83)		ELEVATION (NAVD 88)
			LATITUDE	LONGITUDE	
PRIMARY (PAC)	DUT E	DM3564	53° 53' 56.97206"N	166° 32' 37.19603"W	14.5'
SECONDARY (SAC)	DUT A	AE3910	53° 54' 41.38042"N	166° 32' 20.98178"W	12.7'
SECONDARY (SAC)	DUT D	DM3674	53° 53' 59.39090"N	166° 32' 51.27143"W	11.6'

NOTE: GEODETIC COORDINATES (NAD83) AND VERTICAL ELEVATIONS (NAVD88) DERIVED FROM THIRD PARTY SURVEY PROJECT DUT-166464 CONDUCTED ON THE 36TH DAY 2015 AND PUBLISHED ON 03/17/2016 AS UDDF 1.07-FORMATED ASCII FILE: 2016_DUT_ANP_5943_SPC.TXT FOLLOWING AC 150/5300-18B - GENERAL GUIDANCE AND SPECIFICATIONS FOR SUBMISSION OF AERONAUTICAL SURVEYS TO NGS: FIELD DATA COLLECTION AND GEOGRAPHIC INFORMATION SYSTEM (GIS) STANDARDS.



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHCOST REGION

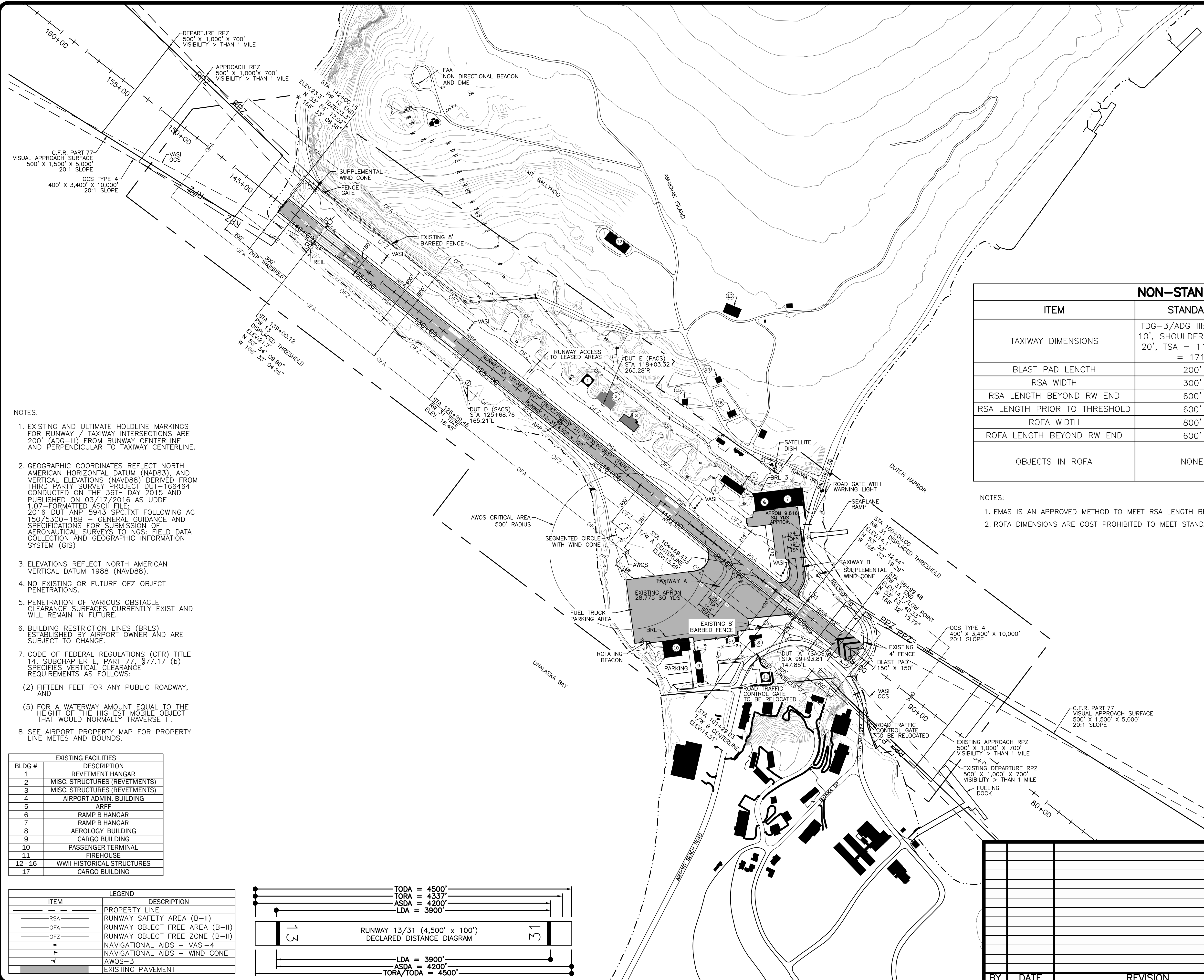
UNALASKA AIRPORT
 UNALASKA, ALASKA
 AIRPORT LAYOUT PLAN

AIRPORT DATA SHEET

DATE: DEC. 2022
 SHEET: 2 OF 12

Designed By: VXX
 Drawn By: BXX
 Checked By: XXX

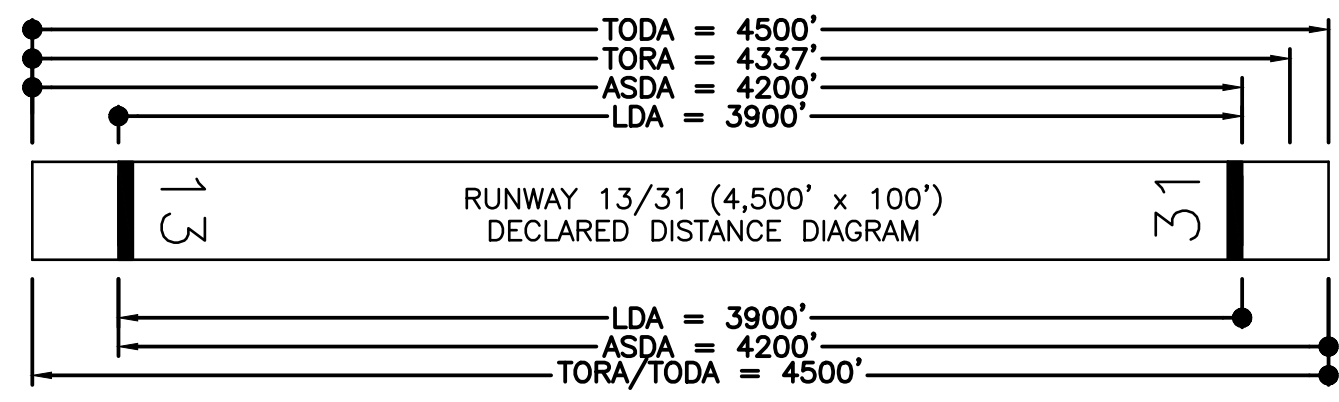
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- NOTES:
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 - PENETRATION OF VARIOUS OBSTACLE CLEARANCE SURFACES CURRENTLY EXIST AND WILL REMAIN IN FUTURE.
 - BUILDING RESTRICTION LINES (BRLS) ESTABLISHED BY AIRPORT OWNER AND ARE SUBJECT TO CHANGE.
 - CODE OF FEDERAL REGULATIONS (CFR) TITLE 14, SUBCHAPTER E, PART 77, §77.17 (b) SPECIFIES VERTICAL CLEARANCE REQUIREMENTS AS FOLLOWS:
 - FIFTEEN FEET FOR ANY PUBLIC ROADWAY, AND
 - FOR A WATERWAY AMOUNT EQUAL TO THE HEIGHT OF THE HIGHEST MOBILE OBJECT THAT WOULD NORMALLY TRAVERSE IT.
 - SEE AIRPORT PROPERTY MAP FOR PROPERTY LINE METES AND BOUNDS.

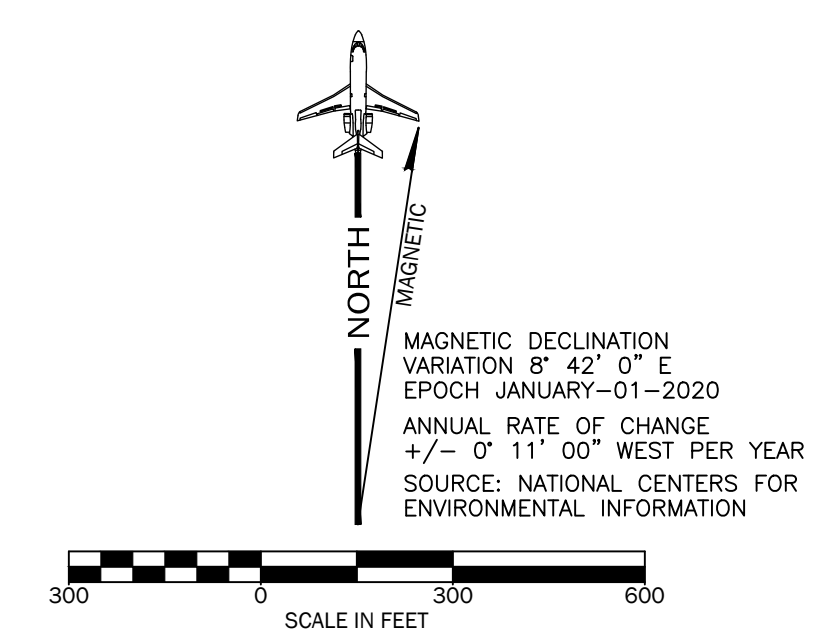
BLDG #	DESCRIPTION
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2	MISC. STRUCTURES (REVIEMENTS)
3	MISC. STRUCTURES (REVIEMENTS)
4	AIRPORT ADMIN. BUILDING
5	ARFF
6	RAMP B HANGAR
7	RAMP B HANGAR
8	AEROLOGY BUILDING
9	CARGO BUILDING
10	PASSENGER TERMINAL
11	FIREHOUSE
12-16	WWII HISTORICAL STRUCTURES
17	CARGO BUILDING

ITEM	LEGEND	DESCRIPTION
---	---	PROPERTY LINE
---	---	RUNWAY SAFETY AREA (B-II)
---	---	RUNWAY OBJECT FREE AREA (B-II)
---	---	RUNWAY OBJECT FREE ZONE (B-II)
---	---	NAVIGATIONAL AIDS - VASI-4
---	---	NAVIGATIONAL AIDS - WIND CONE
---	---	AWOS-3
---	---	EXISTING PAVEMENT



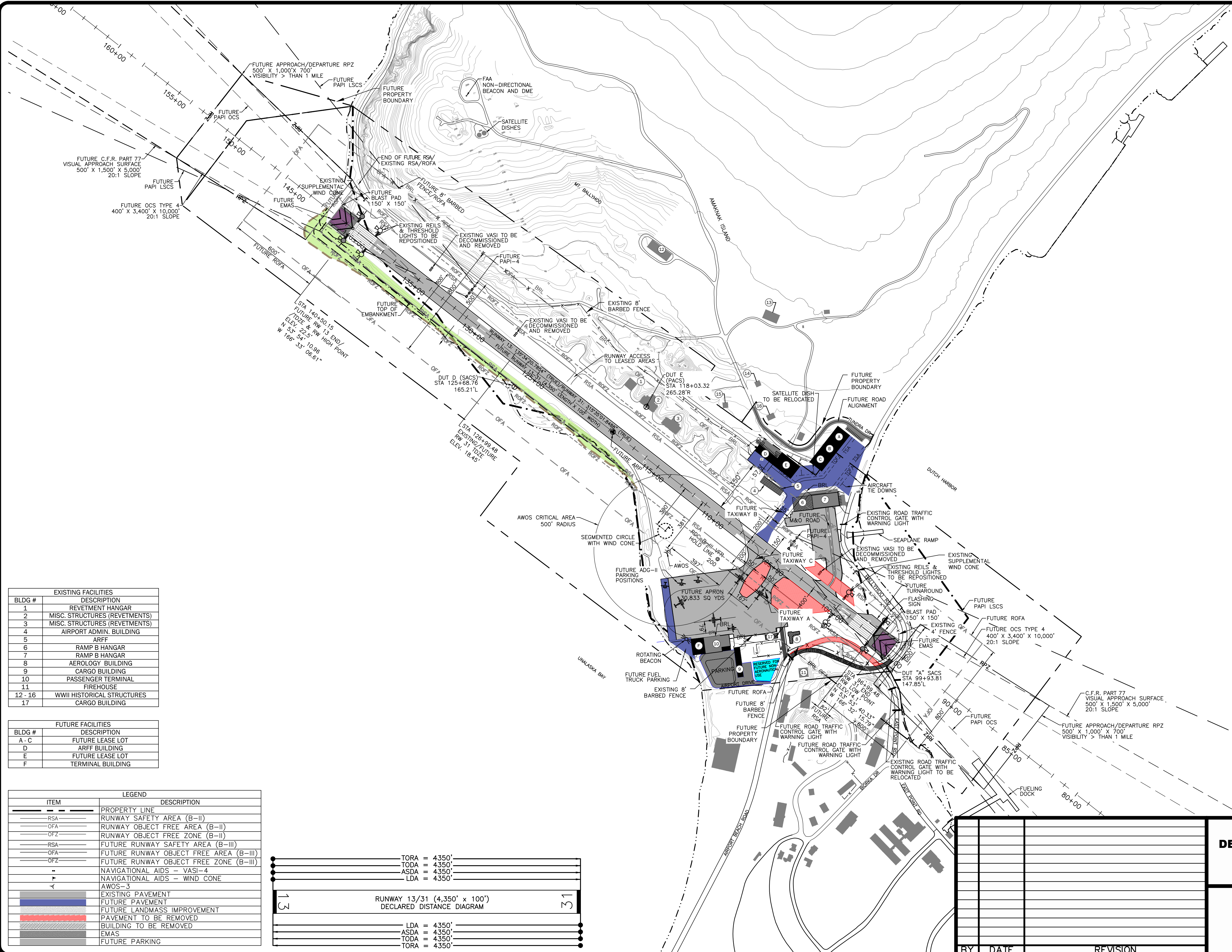
NON-STANDARD CONDITIONS			
ITEM	STANDARD	EXISTING	ULTIMATE
TAXIWAY DIMENSIONS	TDG-3/ADG III: TESM = 10', SHOULDER WIDTH = 20', TSA = 118', TOFA = 171'	TESM = 7.5', SHOULDER WIDTH = 15', TSA = 79', TOFA = 124'	TESM = 10', SHOULDER WIDTH = 20', TSA = 118', TOFA = 171'
BLAST PAD LENGTH	200'	150'	150'
RSA WIDTH	300'	150'	300'
RSA LENGTH BEYOND RW END	600'	300'	EMAS ¹
RSA LENGTH PRIOR TO THRESHOLD	600'	300'	0', REQUEST FOR MOS
ROFA WIDTH	800'	VARIES: 358'-500' ²	VARIES: 500'-800' ²
ROFA LENGTH BEYOND RW END	600'	300'	EMAS
OBJECTS IN ROFA	NONE	WIND CONES, AWOS, BUILDINGS, SEGMENTED CIRCLE, HISTORIC REVETMENTS	REQUEST FOR MOS

- NOTES:
- EMAS IS AN APPROVED METHOD TO MEET RSA LENGTH BEYOND RW END.
 - ROFA DIMENSIONS ARE COST PROHIBITED TO MEET STANDARDS DUE TO LAND MASS AVAILABLE.



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHCOST REGION	
UNALASKA AIRPORT UNALASKA, ALASKA AIRPORT LAYOUT PLAN	
EXISTING CONDITIONS	DATE: DEC. 2022 SHEET: 3 OF 12
BY	DATE
REVISION	

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Checked By: XXX
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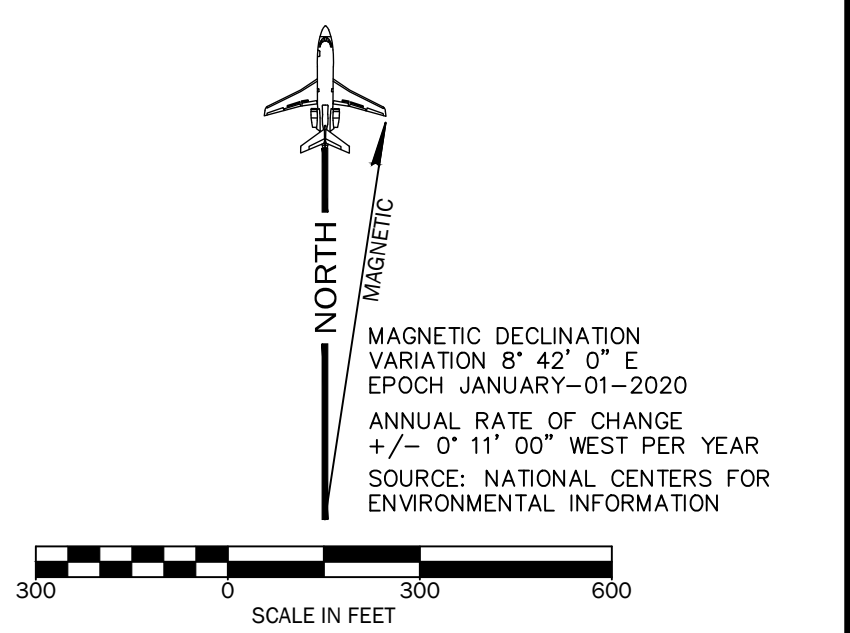
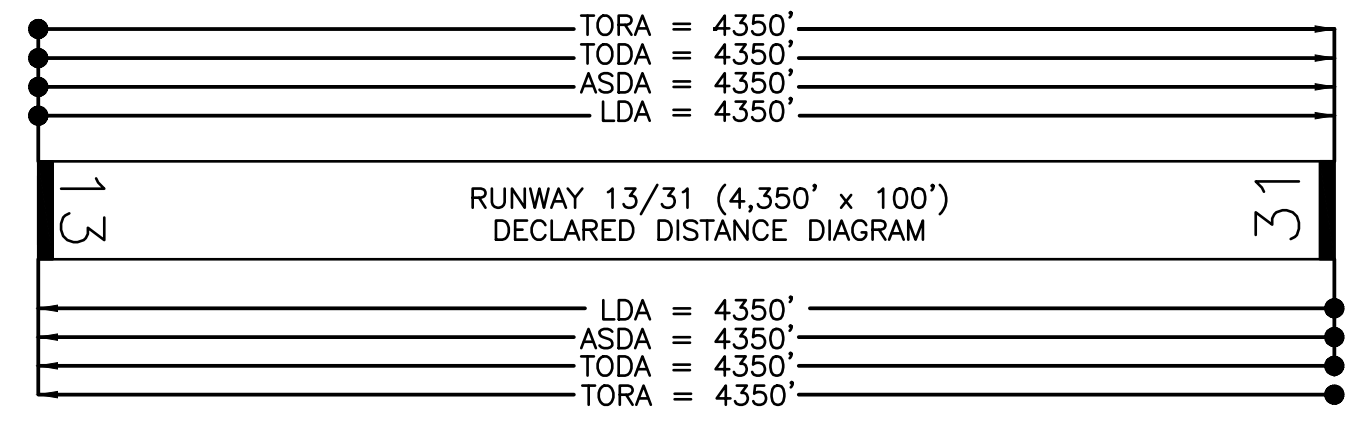


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 - SEE AIRPORT PROPERTY MAP FOR PROPERTY LINE METES AND BOUNDS.

EXISTING FACILITIES	
BLDG #	DESCRIPTION
1	REVETMENT HANGAR
2	MISC. STRUCTURES (REVETMENTS)
3	MISC. STRUCTURES (REVETMENTS)
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7	RAMP B HANGAR
8	AEROLGY BUILDING
9	CARGO BUILDING
10	PASSENGER TERMINAL
11	FIREHOUSE
12-16	WWII HISTORICAL STRUCTURES
17	CARGO BUILDING

FUTURE FACILITIES	
BLDG #	DESCRIPTION
A-C	FUTURE LEASE LOT
D	ARFF BUILDING
E	FUTURE LEASE LOT
F	TERMINAL BUILDING

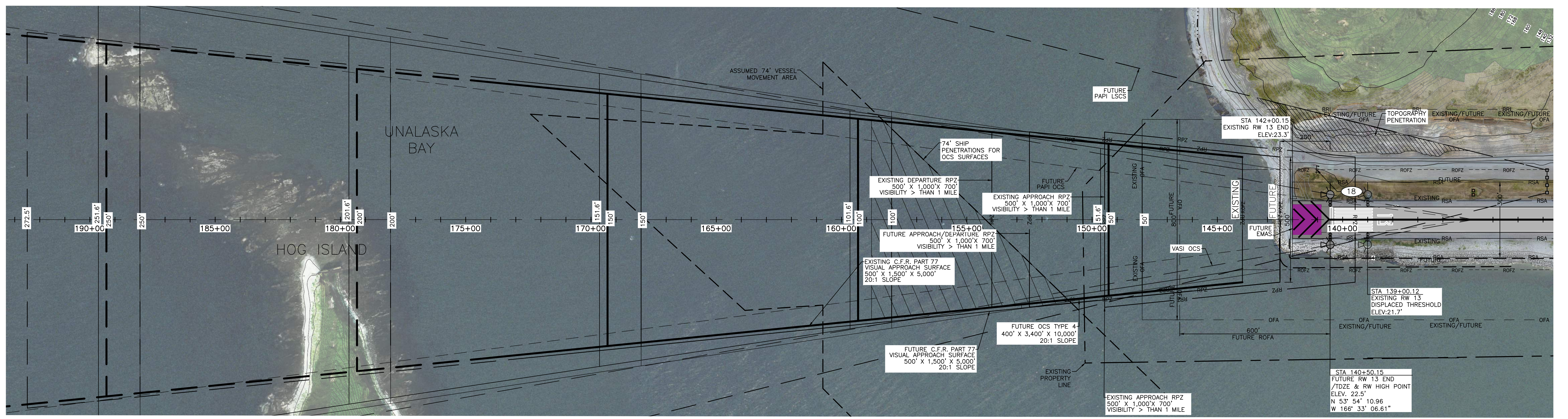
LEGEND	
ITEM	DESCRIPTION
[Line]	PROPERTY LINE
[Line]	RUNWAY SAFETY AREA (B-II)
[Line]	RUNWAY OBJECT FREE AREA (B-II)
[Line]	RUNWAY OBJECT FREE ZONE (B-II)
[Line]	FUTURE RUNWAY SAFETY AREA (B-III)
[Line]	FUTURE RUNWAY OBJECT FREE AREA (B-III)
[Line]	FUTURE RUNWAY OBJECT FREE ZONE (B-III)
[Line]	NAVIGATIONAL AIDS - VASI-4
[Line]	NAVIGATIONAL AIDS - WIND CONE
[Line]	AWOS-3
[Line]	EXISTING PAVEMENT
[Line]	FUTURE PAVEMENT
[Line]	FUTURE LANDMASS IMPROVEMENT
[Line]	PAVEMENT TO BE REMOVED
[Line]	BUILDING TO BE REMOVED
[Line]	EMAS
[Line]	FUTURE PARKING



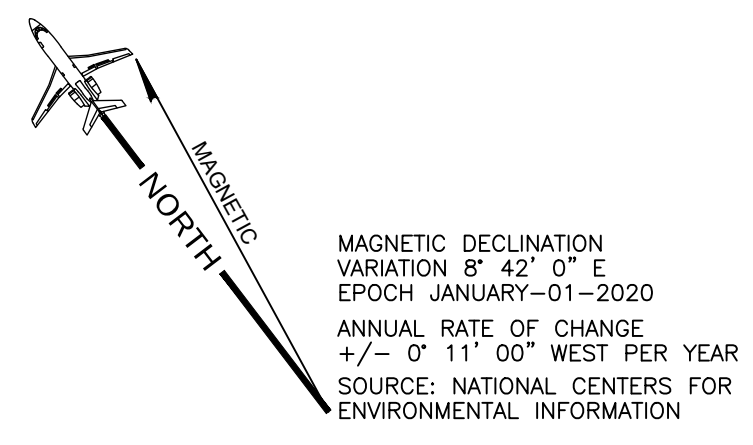
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHCOST REGION		
UNALASKA AIRPORT UNALASKA, ALASKA AIRPORT LAYOUT PLAN		
DATE: DEC. 2022		SHEET: 4 OF 12
BY: [] DATE: []		
FUTURE CONDITIONS		
REVISION		

Designed By: VXX
 Drawn By: VXX
 Checked By: VXX

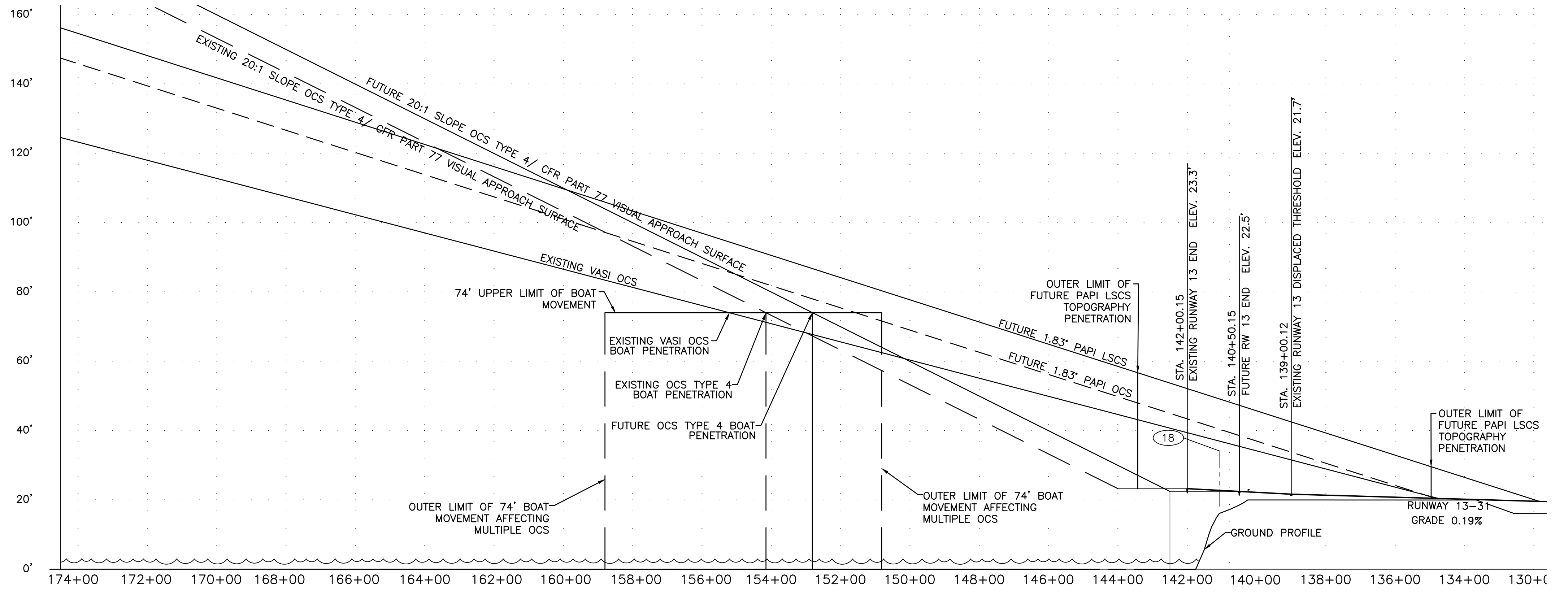
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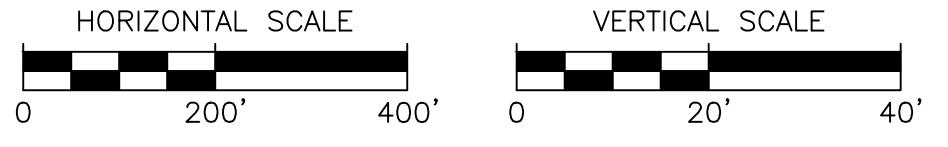
RUNWAY 13 INNER APPROACH PLAN



- NOTES:
- GEOGRAPHIC COORDINATES REFLECT NORTH AMERICAN HORIZONTAL DATUM (NAD83), AND VERTICAL ELEVATIONS (NAVD88) DERIVED FROM THIRD PARTY SURVEY PROJECT DUT-166464 CONDUCTED ON THE 36TH DAY 2015 AND PUBLISHED ON 03/17/2016 AS UDDF 1.07-FORMATTED ASCII FILE: 2016_DUT_ANP_5943_SPC.TXT FOLLOWING AC 150/5300-18B - GENERAL GUIDANCE AND SPECIFICATIONS FOR SUBMISSION OF AERONAUTICAL SURVEYS TO NGS: FIELD DATA COLLECTION AND GEOGRAPHIC INFORMATION SYSTEM (GIS)
 - ELEVATIONS REFLECT NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
 - PENETRATION OF VARIOUS OBSTACLE CLEARANCE SURFACES CURRENTLY EXIST AND WILL REMAIN IN FUTURE.
 - THE CONTROLLING OBSTRUCTION FOR RUNWAY 13 IS A 74' TYPE 4 OCS SHIP PENETRATION.
 - CODE OF FEDERAL REGULATIONS (CFR) TITLE 14, SUBCHAPTER E, PART 77, § 77.17 (d) SPECIFIES VERTICAL CLEARANCE REQUIREMENTS AS FOLLOWS:
 - (2) FIFTEEN FEET FOR ANY PUBLIC ROADWAY, AND
 - (5) FOR A WATERWAY AMOUNT EQUAL TO THE HEIGHT OF THE HIGHEST MOBILE OBJECT THAT WOULD NORMALLY TRAVERSE IT.



RUNWAY 13 APPROACH PROFILE



PART 77 APPROACH SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 13)

ID	DESCRIPTION	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION
18	WIND CONE	34.1'	PRIMARY	22.5'	11.6'	NONE - FIXED BY FUNCTION

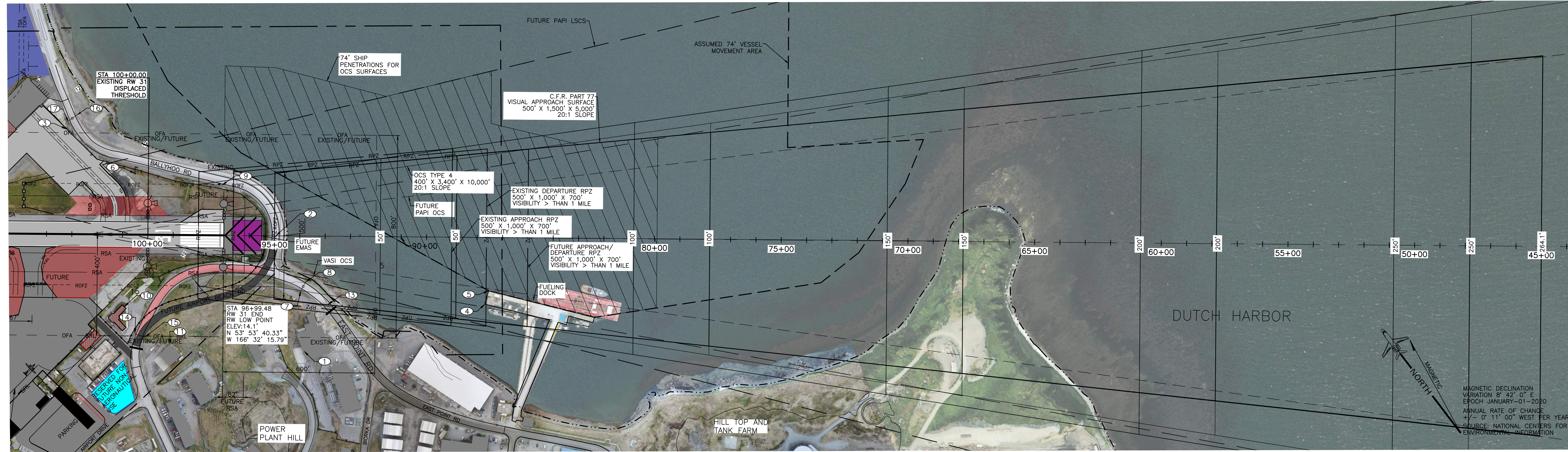
BY	DATE	REVISION

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

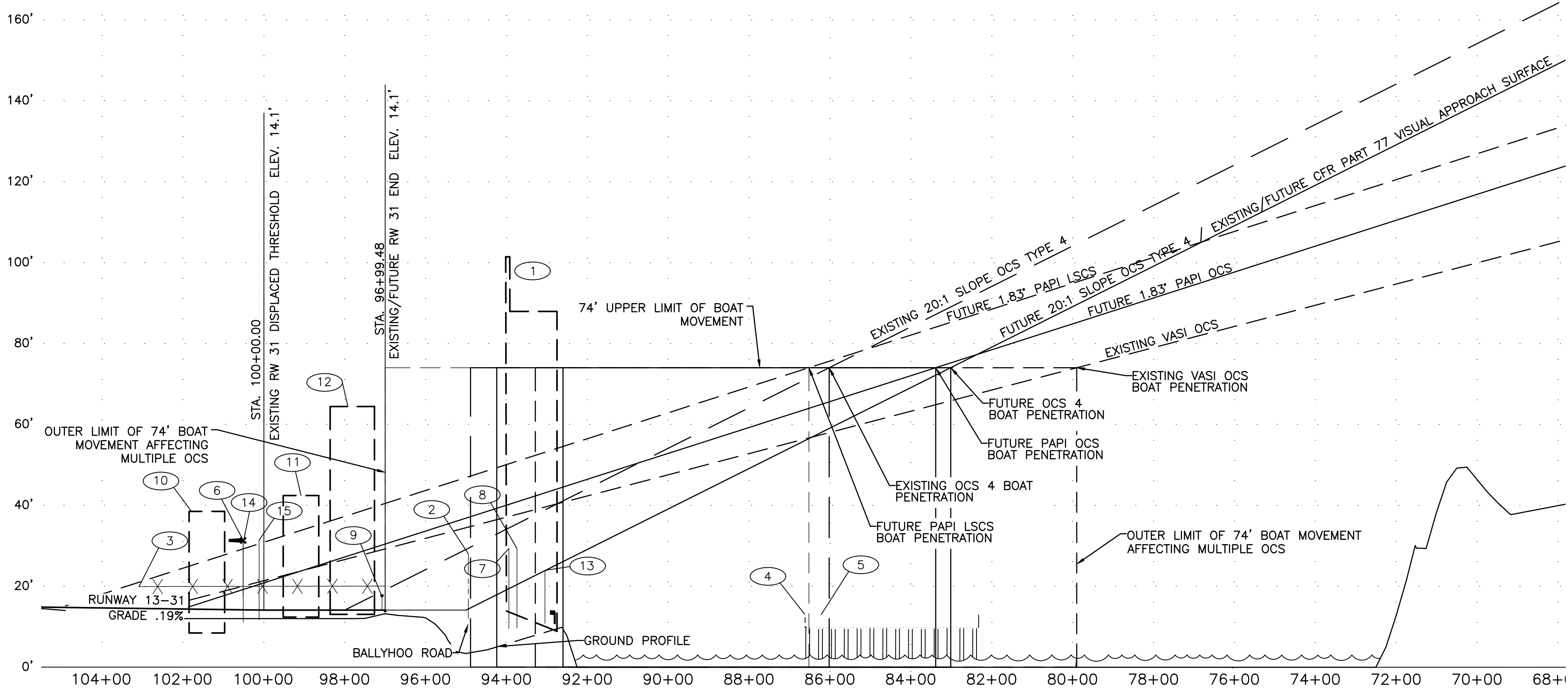
UNALASKA AIRPORT
 UNALASKA, ALASKA
 AIRPORT LAYOUT PLAN
 INNER PORTION OF THE APPROACH SURFACE
 RUNWAY 13

DATE: DEC. 2022
 SHEET: 8 OF 12

Designed By: VXX
 Drawn By: VXX
 Checked By: VXX
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RUNWAY 31 INNER APPROACH PLAN



RUNWAY 31 APPROACH PROFILE

NOTES:
 1. THE CONTROLLING OBSTRUCTION FOR RUNWAY 31 IS A 74' TYPE 4 OCS SHIP PENETRATION.



GEODETIC COORDINATES (NAD83) AND TOP VERTICAL ELEVATIONS (NAVD88) OF NOTED NATURAL AND MAN-MADE OBJECTS ANALYZED AS OBSTRUCTIONS TO CFR PART 77 CIVIL AIRPORT IMAGINARY SURFACES OR OBSTACLE CLEARANCE SURFACES DEFINED BY AC 150/5300-13A, CHANGE 1, TABLE 3-2 AS AMENDED, WERE DERIVED FROM THIRD PARTY SURVEY CONDUCTED ON THE 134TH DAY 2010 AND PUBLISHED ON 01/25/2012 AS UDDF 1.07-FORMATED ASCII FILE: 2012_DUT_PIR_4541.SPC.TXT FOLLOWING AC 150/5300-18B - GENERAL GUIDANCE AND SPECIFICATIONS FOR SUBMISSION OF AERONAUTICAL SURVEYS TO NGS: FIELD DATA COLLECTION AND GEOGRAPHIC INFORMATION SYSTEM (GIS) STANDARDS.

PART 77 APPROACH SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 31)

ID	DESCRIPTION	STATION/OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION
1	POWER HOUSE	93+79/455'L	100.5'	TRANSITIONAL	48.9'	51.6'	TO REMAIN
2	BALLYHOO RD (+15)	94+96/0'	28.0'	PRIMARY	14.1'	13.9'	TO REMAIN
3	SECURITY FENCE	103+23/414'R	19.0'	APPROACH	38.2'	0'	NONE
4	FUELING DOCK	86+64/260'L	12.0'	APPROACH	55.9'	0'	NONE
5	DOCKED SHIP LOADING AND UNLOADING	86+64/260'L	74'	APPROACH	54.9'	19.1"	TO REMAIN
6	WINDCONE	100+52/253'R	34.1'	PRIMARY	14.1'	20.0'	NONE - FIXED BY FUNCTION
7	TRAFFIC CONTROL GATE	93+95/216'L	36.0'	APPROACH	19.3'	16.7'	TO BE RELOCATED
8	TRAFFIC CONTROL GATE	93+75/179'L	32.0'	APPROACH	20.3'	11.7'	TO BE RELOCATED
9	FLASHER SIGN	97+09/198'R	20.6'	PRIMARY	14.1'	6.5'	TO BE REMOVED
10	AEROLEGY BUILDING	101+38/312'L	37.6'	TRANSITIONAL	23.3'	14.3'	TO BE REMOVED
11	FIREHOUSE	99+09/432'L	49.0'	TRANSITIONAL	40.2'	8.8'	NONE
12	MISC. BUILDING 1	97+93/536'	63.5'	TRANSITIONAL	54.9'	8.6'	NONE
13	BALLYHOO RD (+15)	92+96/270'R	24.3'	APPROACH	24.1'	0.2'	NONE
14	TRAFFIC CONTROL GATE	100+50/392'R	30.8'	PRIMARY	14.1'	16.7'	TO BE RELOCATED
15	TRAFFIC CONTROL GATE	100+12/405'R	31.4'	TRANSITIONAL	14.6'	16.8'	TO BE RELOCATED
16	TRAFFIC CONTROL GATE	102+81/470'R	37.8'	TRANSITIONAL	39.4'	0'	NONE
17	TRAFFIC CONTROL GATE	103+16/444'R	40.7'	TRANSITIONAL	41.3'	0'	NONE

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHCOST REGION

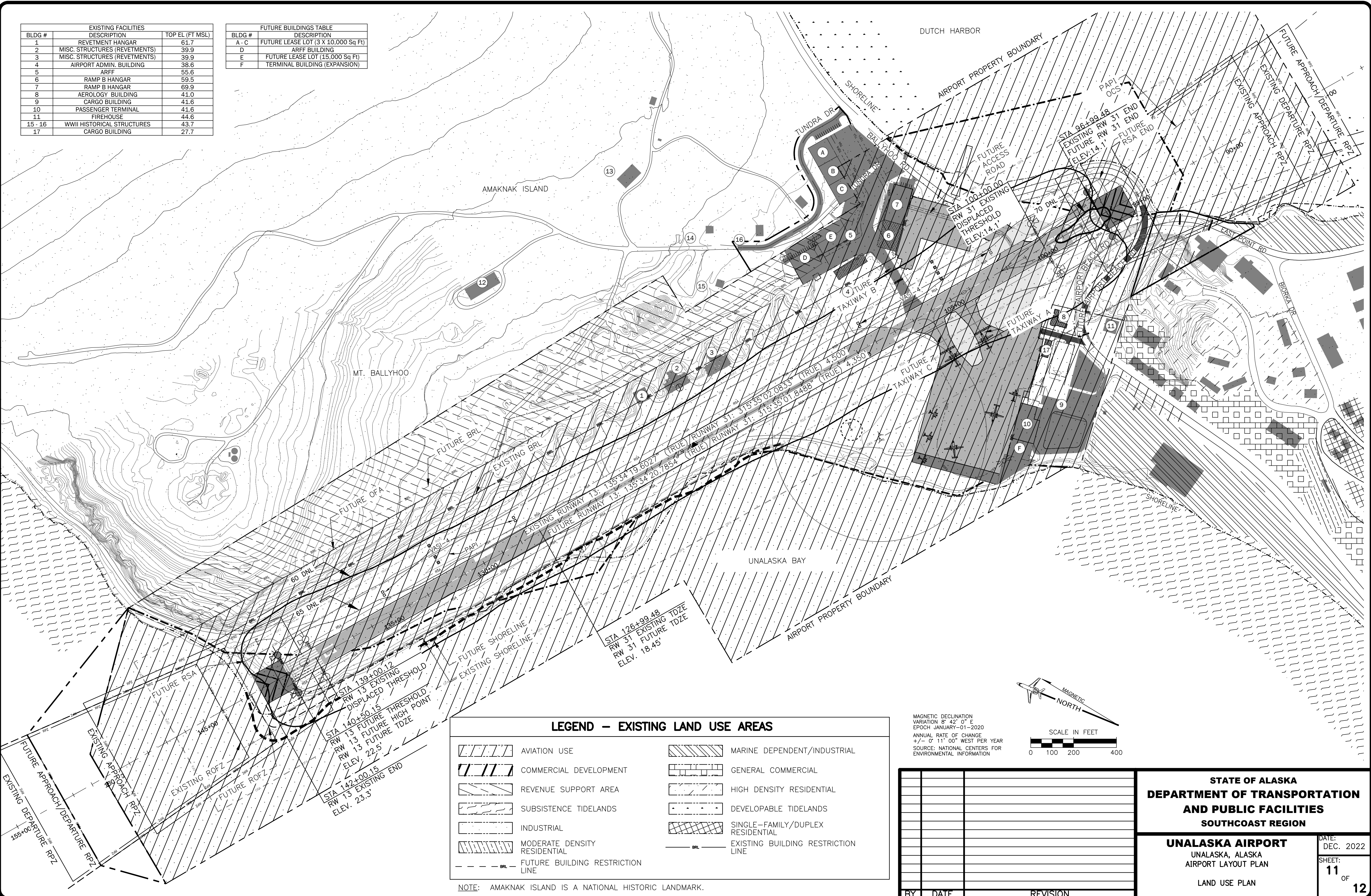
UNALASKA AIRPORT
 UNALASKA, ALASKA
 AIRPORT LAYOUT PLAN
 INNER PORTION OF THE APPROACH SURFACE
 RUNWAY 31

DATE: DEC. 2022
 SHEET: 9 OF 12

Designed By: XXX
 Drawn By: XXX
 Checked By: XXX
 Date Plotted: 12/27/2022 4:05 PM
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BLDG #	EXISTING FACILITIES DESCRIPTION	TOP EL (FT MSL)
1	REVIEMENT HANGAR	61.7
2	MISC. STRUCTURES (REVIEMENTS)	39.9
3	MISC. STRUCTURES (REVIEMENTS)	39.9
4	AIRPORT ADMIN. BUILDING	38.6
5	ARFF	55.6
6	RAMP B HANGAR	59.5
7	RAMP B HANGAR	69.9
8	AEROLGY BUILDING	41.0
9	CARGO BUILDING	41.6
10	PASSENGER TERMINAL	41.6
11	FIREHOUSE	44.6
15-16	WWII HISTORICAL STRUCTURES	43.7
17	CARGO BUILDING	27.7

BLDG #	FUTURE BUILDINGS TABLE DESCRIPTION
A-C	FUTURE LEASE LOT (3 X 10,000 Sq Ft)
D	ARFF BUILDING
E	FUTURE LEASE LOT (15,000 Sq Ft)
F	TERMINAL BUILDING (EXPANSION)

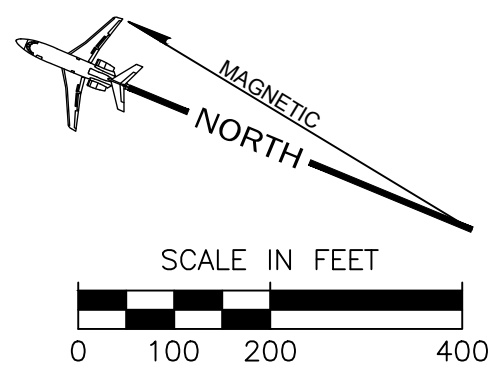


LEGEND - EXISTING LAND USE AREAS

- | | | | |
|--|----------------------------------|--|------------------------------------|
| | AVIATION USE | | MARINE DEPENDENT/INDUSTRIAL |
| | COMMERCIAL DEVELOPMENT | | GENERAL COMMERCIAL |
| | REVENUE SUPPORT AREA | | HIGH DENSITY RESIDENTIAL |
| | SUBSISTENCE TIDELANDS | | DEVELOPABLE TIDELANDS |
| | INDUSTRIAL | | SINGLE-FAMILY/DUPLEX RESIDENTIAL |
| | MODERATE DENSITY RESIDENTIAL | | EXISTING BUILDING RESTRICTION LINE |
| | FUTURE BUILDING RESTRICTION LINE | | |

NOTE: AMAKNAK ISLAND IS A NATIONAL HISTORIC LANDMARK.

MAGNETIC DECLINATION
 VARIATION 8° 42' 0" E
 EPOCH JANUARY-01-2020
 ANNUAL RATE OF CHANGE
 +/- 0° 11' 00" WEST PER YEAR
 SOURCE: NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHCOST REGION

UNALASKA AIRPORT
 UNALASKA, ALASKA
 AIRPORT LAYOUT PLAN

DATE: DEC. 2022
 SHEET: 11 OF 12

