

## VICINITY MAP



T8N, R87W, SECTIONS 1, 2, 3, 10, 11, 12 SEWARD MERIDIAN USGS BAIRD INLET (D-8), ALASKA

TAXIWAY A DATA								
ITEM EXISTING								
- 4	50'x859'	50'x706'						
-0, 60, -	118'x859'	118'x706'						
-40'-	186'x859'	186'x706'						
	MITL	MITL						
	EXISTING	EXISTING NEAR—TERM  50'x859' 118'x859' 186'x859'						

TAXIW	AY B DATA	<b>\</b>		
ITEM	ITEM EXISTING N			
TAXIWAY DIMENSIONS	- 4	4	50'x400'	
TAXIWAY SAFETY AREA (TSA) DIMENSIONS	-0, 8, -	0, 8	118'x400'	
TAXIWAY OBJECT FREE AREA DIMENSIONS	-4.0.	4,0,	186'x400'	
TAXIWAY LIGHTING	- 186	T 885	MITL	

G	EOGF	RAPHI	С	CC	00	RDINA	41	ES	Т	ABLE	:				
ITEM		TERN		0.000	10000	TERM		1000		MATE UDE				IATE TUDE	
ARP	60° 48	35.70"	N	164	30'	01.49"	W	60*	48'	35,40"	N	164	30'	19.71"	W
THRESHOLD RW 13	60' 48	47.93"	N	164	30'	23.39"	W								
THRESHOLD RW 31	60° 48	23.47"	N	164	29'	39.60"	W	60*	48'	18.28"	N	164	29'	30.31"	W
THRESHOLD RW 5								60°	48'	29.87"	N	164	31'	19.59"	W
THRESHOLD RW 23								60°	48'	45.49"	N	164	30'	05.57"	W

LEGE	עא			
ITEM	NEAR-TERM	ULTIMATE		
AIRPORT REFERENCE POINT (A.R.P.)	<b>(A)</b>	<b>(A)</b>		
ANTENNA		Å		
BLUFF		-		
BUILDINGS				
BUILDING RESTRICTION LINE				
FENCE	<del>x x x</del>	x x x		
PAPI		0000		
PROPERTY LINE				
REIL	<b>e</b> 1	01		
ROADWAYS				
ROTATING BEACON	<b>&gt;</b> ●€	>0€		
SHORELINE				
SURVEY MONUMENT	0	Ф		
THRESHOLD MARKERS/LIGHTS	000 000	000 000		
TOPOGRAPHIC CONTOURS	100	100		
TREE (LARGE SINGLE)	●	₩		
TREELINE	**********	· · · · · · · · · · · · · · · · · · ·		
VASI	**	0.0		
WIND CONE (LIGHTED / UNLIGHTED)	1	1		
WIND CONE AND SEGMENTED CIRCLE	①	<b>(</b>		

NOTS 3 .2 .2 .2	
W S 46.4 66.3 46.4 2 66 E	
WIND COVERAGE: 8 3 3 1 8 WIND DATA TAI	
13/31 89.26% 94 5/23 77.35%	6 kt 1.76%
OMBINED 96.64%	-
1 1 3 5 5 4 3	
1 2 3 6 190	

WIND DATA

DATA SOURCE: DRYDEN INSTUMENTATION, COLLECTED FOR THIS PROJECT

FEBRUARY 2007 - JANUARY 2009

PERIOD:

NOT TO SCALE

NOTES:

- 1. THERE ARE NO DECLARED DISTANCES.
- 2. THERE ARE NO MODIFICATIONS TO STANDARDS.

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 5/22/14.

FAA AIRSPACE REVIEW NUMBER: 2014-AAL-74-NCA

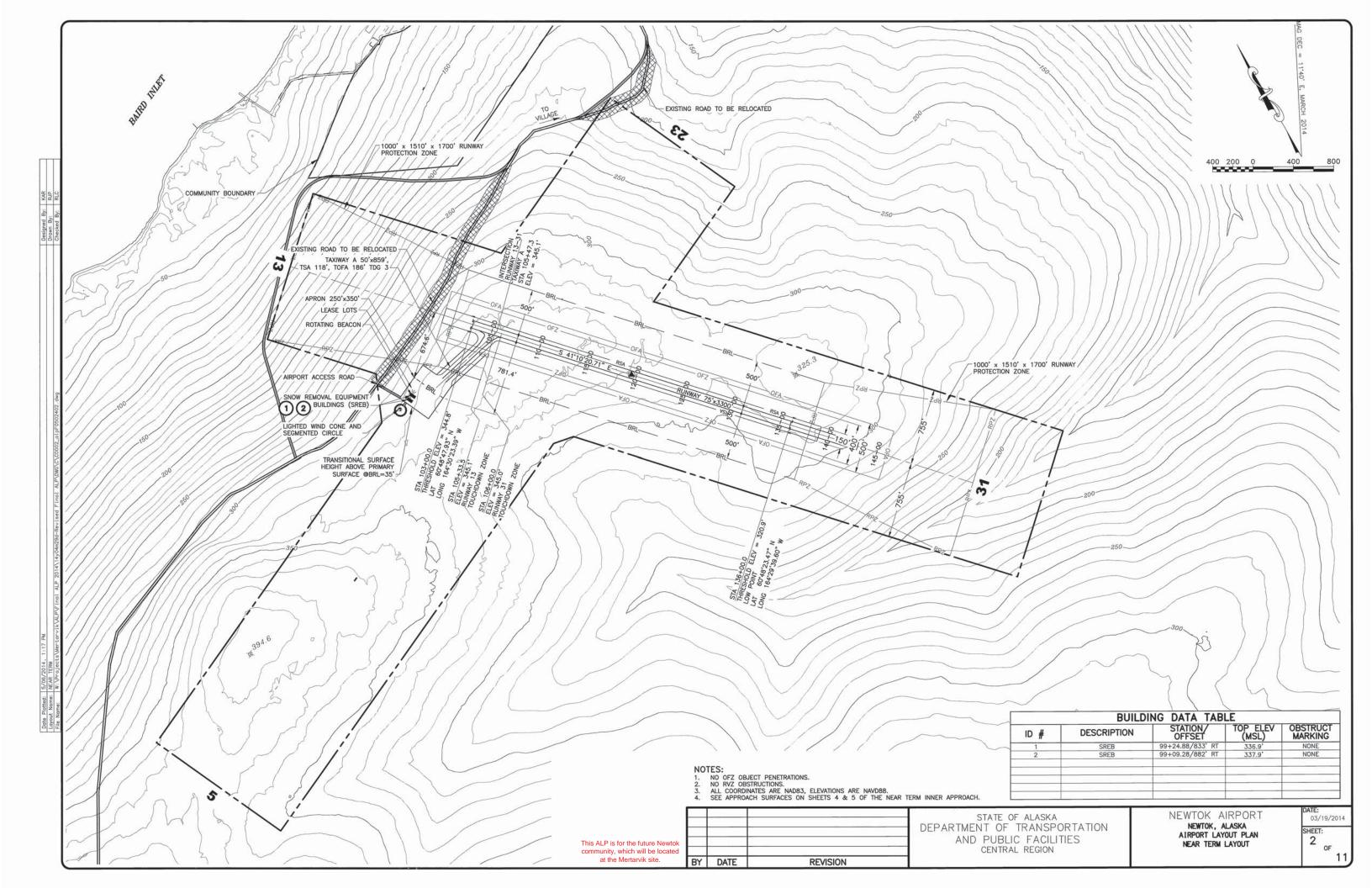
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-

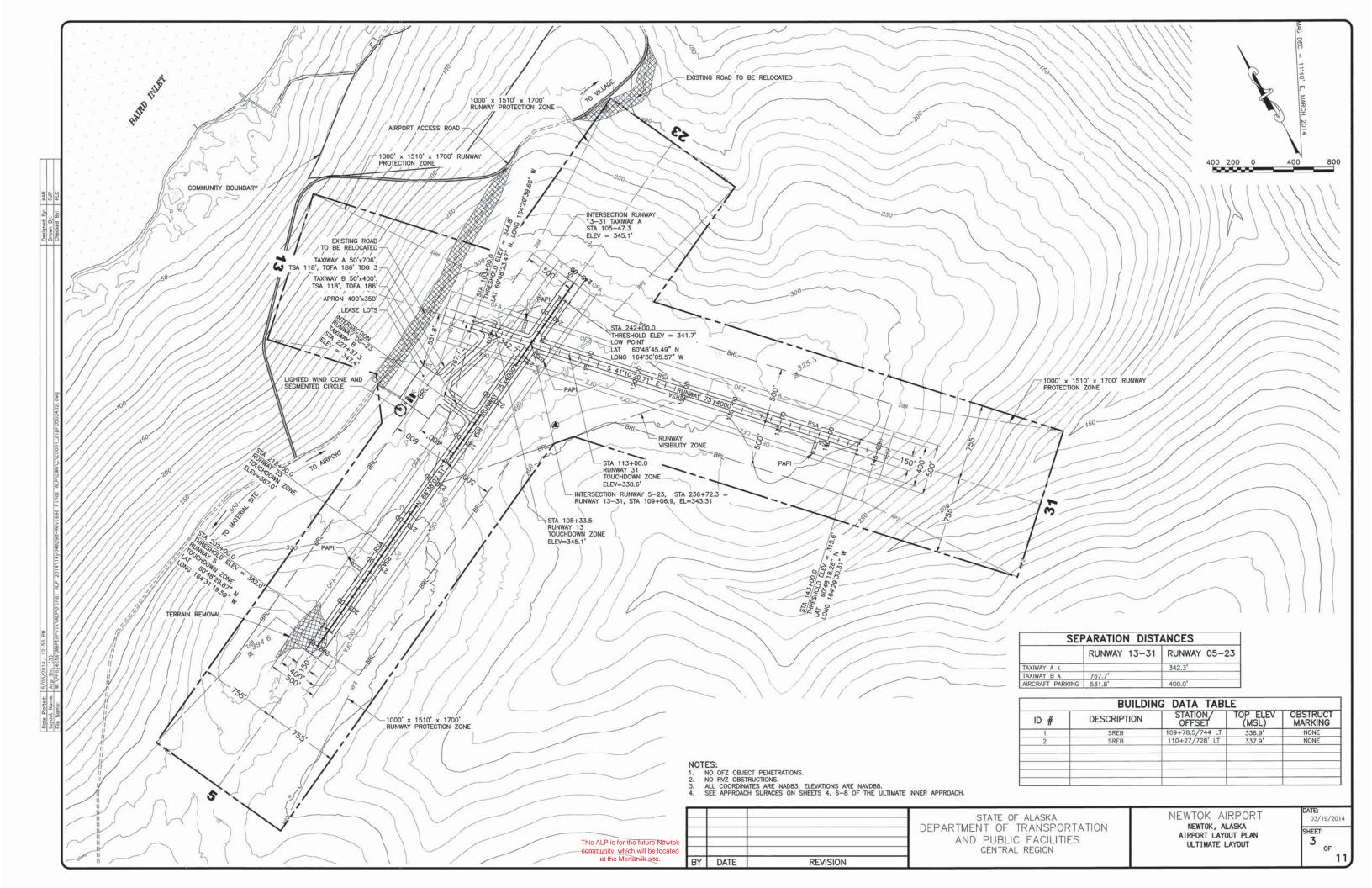
AIRPO	RT DATA TAE	BLE	
ITEM	EXISTING	NEAR-TERM	ULTIMATE
ICAO IDENTIFIER		TBD	TBD
NATIONAL AIRPORT IDENTIFIER	.4	TBD	TBD
FAA SITE NUMBER	100	TBD	TBD
AIRPORT ELEVATION (NAVD 88)	,CP	344.8'	382'
AIRPORT REFERENCE CODE	0	B-II	B-II
CRITICAL AIRCRAFT	18,	SHORTS SD 330 SHERPA	BEECH 1900
MEAN MAXIMUM TEMPERATURE, HOTTEST MONTH	. *	63° F (JULY)	63° F (JULY)
AIRPORT AND TERMINAL NAVAIDS	40,	BEACON, WINDCONE, SEGMENTED CIRCLE	BEACON, WINDCONE, SEGMENTED CIRCLE
OBSTRUCTION SURVEY SOURCE AND TYPE		NONE	NVG
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE EPOCH YEAR 2010		11'37' E, MARCH 2014	- 0°13' W / YEAR
TAXIWAY LIGHTING / MARKING		MITL	MITL
NPIAS SERVICE LEVEL		CS	CS

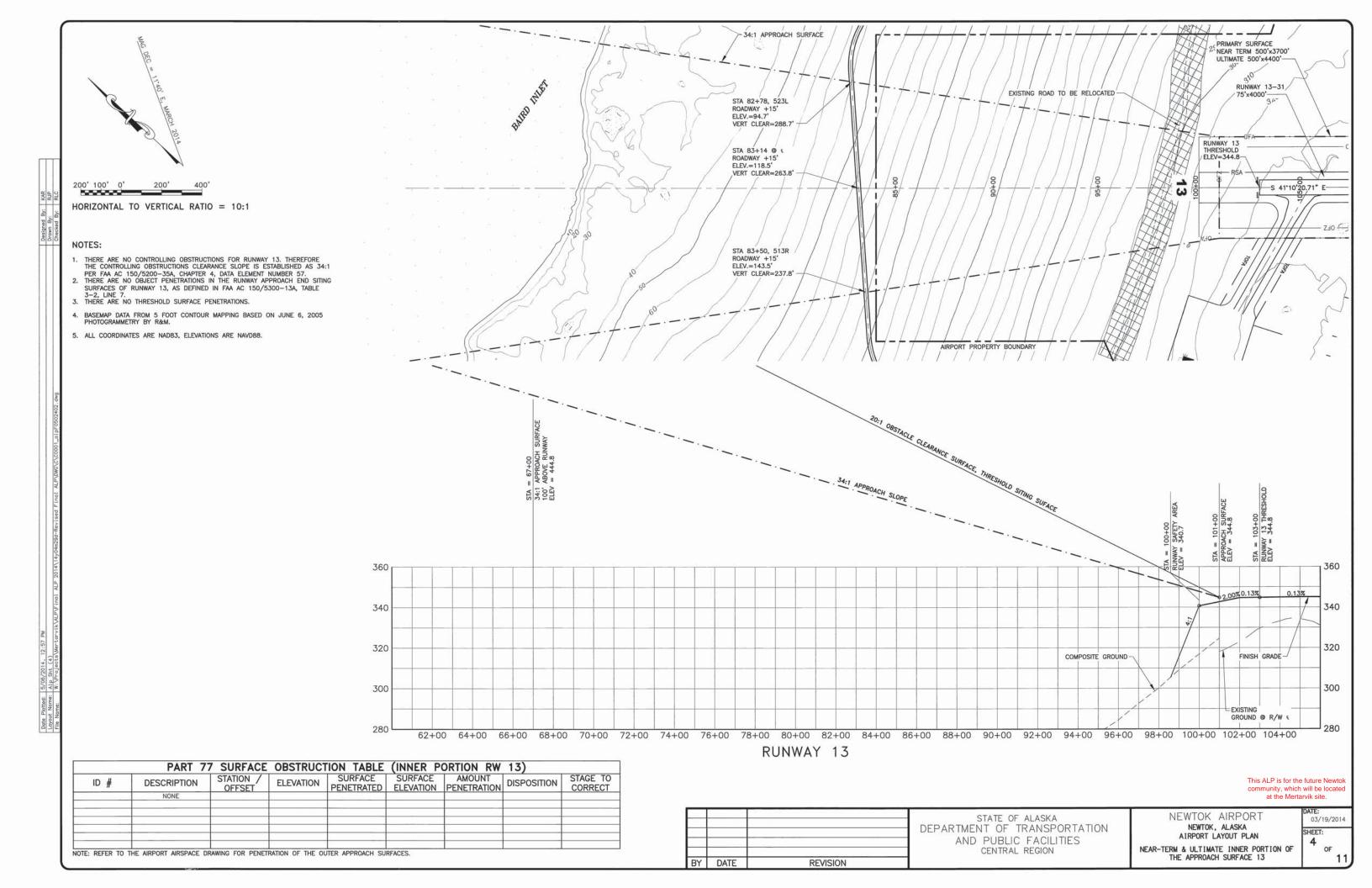
RUNWA	Y 13/31 DAT		
ITEM	EXISTING	NEAR-TERM	ULTIMATE
		(13/31)	(13/31)
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY		OTHER THAN UTILITY	OTHER THAN UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)		NPI / NPI	NPI / NPI
APPROACH SURFACES		34:1 / 34:1	34:1 / 34:1
VISIBILITY MINIMUM		> 3/4 MILE	> 3/4 MILE
RUNWAY SURFACE		GRAVEL	GRAVEL
PAVEMENT STRENGTH SW, DW, DTW, DDTW x1000lbs	4,	N/A	N/A
RUNWAY DESIGN CODE	RP LC RBLY	B-II-4000'	B-II-4000'
TRUE BEARING	,CP	S 41*10'20.71" E	S 41"10'16.69" E
EFFECTIVE GRADE (MEETS LOS REQUIREMENTS)		0.7%	, 0.7%
TOUCHDOWN ELEVATION (NAVD 88)	- 64	345.1' / 345.0'	345.1' / 338.6'
RUNWAY DIMENSIONS		75' x 3300'	75' x 4000'
RUNWAY SAFETY AREA (RSA) DIMENSIONS	,voi	75' x 3900'	150' x 4600'
LENGTH BEYOND R/W END	4	300' / 300'	300' / 300'
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS		1000' x 1510' x 1700'	1000' x 1510' x 1700
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS		500' x 3900'	500' x 4600'
LENGTH BEYOND R/W END OR STOPWAY		300' / 300'	300' / 300'
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS		400' x 3700'	400' x 4400'
RUNWAY LIGHTING		M.I.R.L.	M.I.R.L.
RUNWAY MARKING TYPE		N/A	N/A
RUNWAY VISUAL APPROACH AIDS		NONE	PAPI, REIL

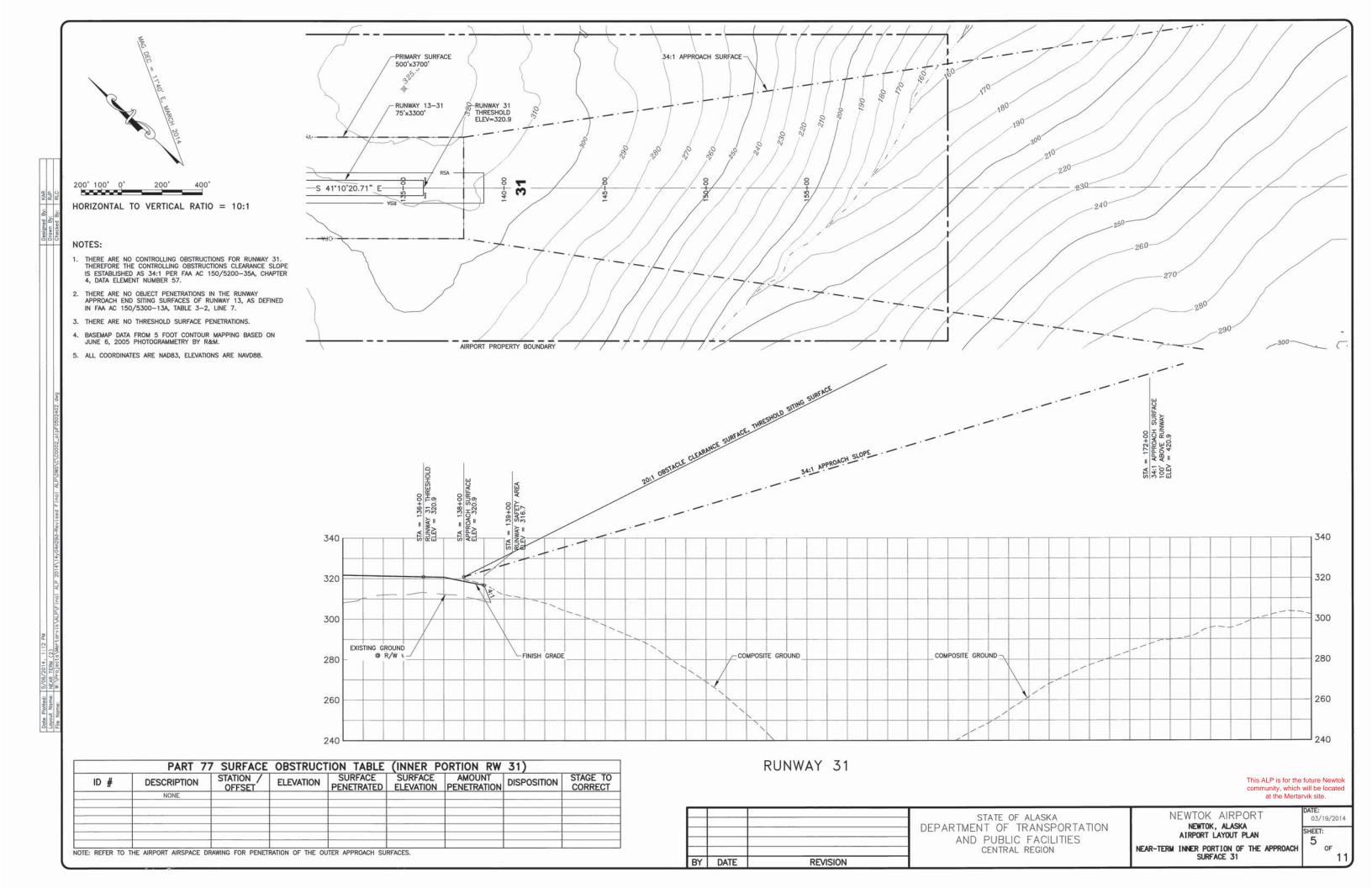
RUNWAY	5/23 DATA		
ITEM	EXISTING	NEAR-TERM	ULTIMATE
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY			OTHER THAN UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)			NPI / NPI
APPROACH SURFACES			34:1 / 34:1
VISIBILITY MINIMUM			> 3/4 MILE
RUNWAY SURFACE			GRAVEL
PAVEMENT STRENGTH SW, DW, DTW, DDTW x1000lbs	,	,	N/A
RUNWAY DESIGN CODE	2		B-II-4000
TRUE BEARING	- Po	CABLE	N 66'38'02.31" E
EFFECTIVE GRADE	,6,	1,6,	1%
TOUCHDOWN ELEVATION (NAVD88)	Relical E	1867	382.0' / 367.0'
RUNWAY DIMENSIONS	P	P,	75' x 4000'
RUNWAY SAFETY AREA (RSA) DIMENSIONS	6	4	150' x 4600'
LENGTH BEYOND R/W END	- ioi	- Joi	300' / 300'
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS			1000' x 1510' x 1700'
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS			500' x 4600'
LENGTH BEYOND R/W END OR STOPWAY			300' / 300'
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS			400' x 4400'
RUNWAY LIGHTING			M.I.R.L.
RUNWAY MARKING TYPE			N/A
RUNWAY VISUAL APPROACH AIDS			PAPI, REIL

			DRAWING INDEX
			SHT# TITLE
			1 - AIRPORT DATA 2 - NEAR TERM LAYOUT 3 - ULTIMATE LAYOUT 4 - NEAR-TERM & ULTIMATE INNER PORTION OF THE APPROACH SURFACE 13 5 - NEAR-TERM INNER PORTION OF THE APPROACH SURFACE 31 6 - ULTIMATE INNER PORTION OF THE APPROACH SURFACE 31 7 - ULTIMATE INNER PORTION OF THE APPROACH SURFACE 5 8 - ULTIMATE INNER PORTION OF THE APPROACH SURFACE 23 9 - AIRPORT AIRSPACE 10 - AIRPORT COMPOSITE PROFILES 11 - AIRPORT PROPERTY MAP
BY	DATE )	REVISION	NAME CONTRACTOR TO A SOCIOUR A SOCIO
KENN	NETH M. MORTON	PRECONSTRUCTION ENGINEER DATE: 5-9-14	This ALP is for the future Newtok community, which will be located at the Mertarvik site.
	EÉARTMENT O AND PUB	DESIGN SECTION CHIEF  OF ALASKA F TRANSPORTATION FLIC FACILITIES RAL REGION	NEWTOK AIRPORT  NEWTOK, ALASKA AIRPORT LAYOUT PLAN AIRPORT DATA  OF  11



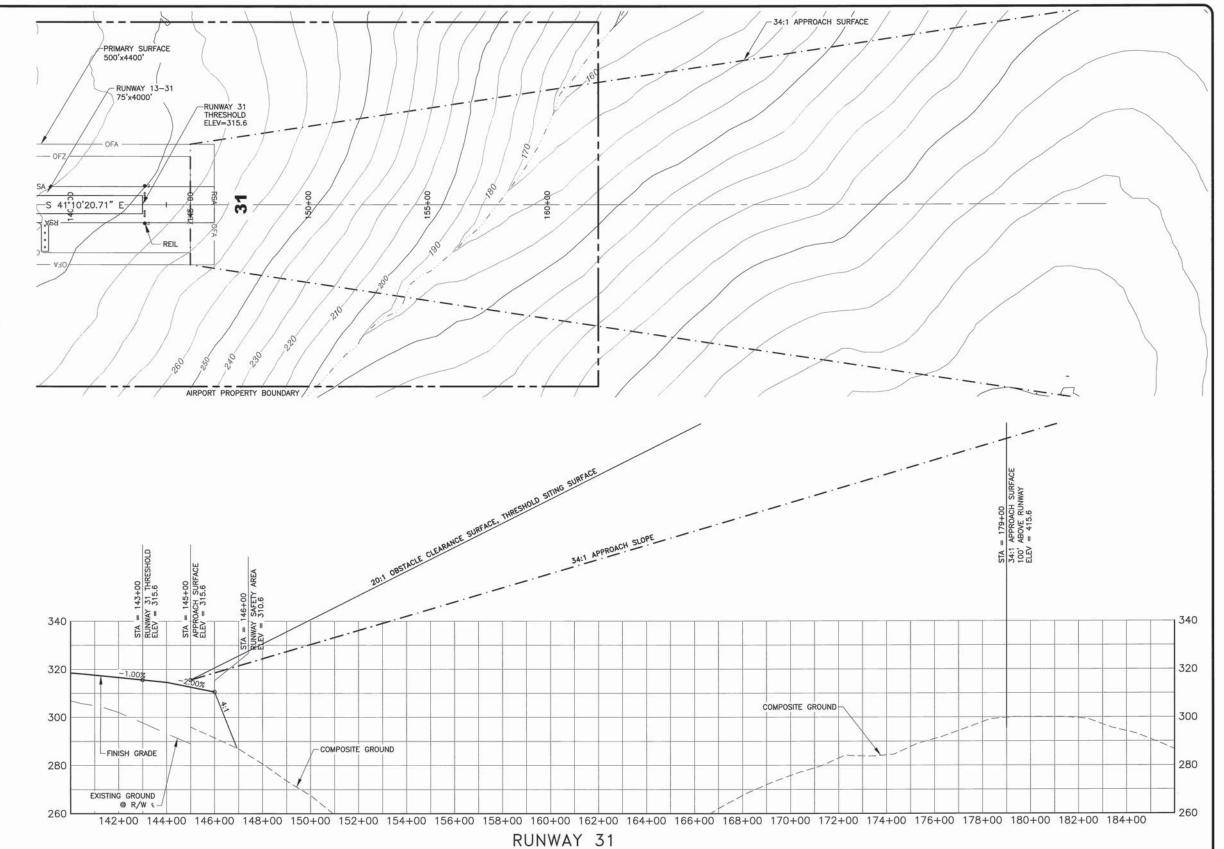






## NOTES:

- THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 31. THEREFORE THE CONTROLLING OBSTRUCTIONS CLEARANCE SLOPE IS ESTABLISHED AS 34:1 PER FAA AC 150/5200-35A, CHAPTER 4, DATA ELEMENT NUMBER 57.
- THERE ARE NO OBJECT PENETRATIONS IN THE RUNWAY APPROACH END SITING SURFACES OF RUNWAY 13, AS DEFINED IN FAA AC 150/5300-13A, TABLE 3-2, LINE 7.
- 3. THERE ARE NO THRESHOLD SURFACE PENETRATIONS.
- BASEMAP DATA FROM 5 FOOT CONTOUR MAPPING BASED ON JUNE 6, 2005 PHOTOGRAMMETRY BY R&M.
- 5. ALL COORDINATES ARE NAD83, ELEVATIONS ARE NAVD88.



	PART 7	7 SURFACE	OBSTRUCT	TON TABLE	(INNER P	ORTION RW	31)	
ID #	DESCRIPTION	STATION / OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
	NONE							
PEFER TO	THE AIRPORT AIRSPACE D	RAWING FOR PENETI	RATION OF THE OL	ITER APPROACH SU	REACES			

			STATE OF ALASKA	N
BY	DATE	REVISION	DEPARTMENT OF TRANSPORTATION  AND PUBLIC FACILITIES  CENTRAL REGION	ULTIMATE

community, which will be located at the Mertarvik site. NEWTOK AIRPORT 03/19/2014 NEWTOK, ALASKA SHEET: AIRPORT LAYOUT PLAN

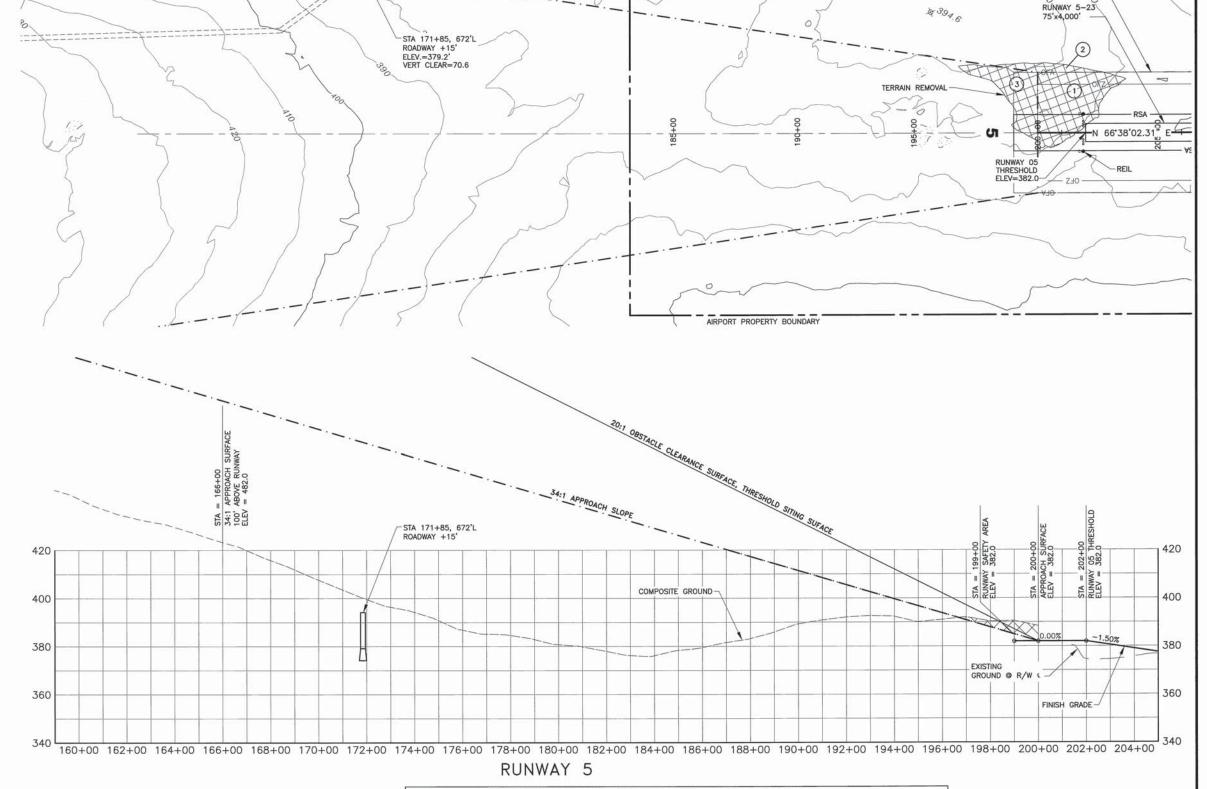
6 INNER PORTION OF THE APPROACH SURFACE 31 OF

This ALP is for the future Newtok

HORIZONTAL TO VERTICAL RATIO = 10:1

## NOTES:

- AFTER REMOVAL OF TERRAIN PENETRATIONS PROPOSED TO BE REMOVED UNDER ULTIMATE DEVELOPMENT, THERE WILL BE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 5. THEREFORE THE CONTROLLING OBSTRUCTIONS CLEARANCE SLOPE IS ESTABLISHED AS 34:1 PER FAA AC 150/5200-35A, CHAPTER 4, DATA ELEMENT NUMBER 57.
- AFTER REMOVAL OF TERRAIN PENETRATIONS, THERE WILL BE NO OBJECT PENETRATIONS IN THE APPROACH END SITING SURFACES OF RUNWAY 5, AS DEFINED IN FAA AC 150/5300-13A, TABLE 3-2 LINE 7.
- AFTER REMOVAL OF TERRAIN PENETRATIONS, THERE WILL BE NO THRESHOLD SURFACE PENETRATIONS.
- BASEMAP DATA FROM 5 FOOT CONTOUR MAPPING BASED ON JUNE 6, 2005 PHOTOGRAMMETRY BY R&M.
- 5. ALL COORDINATES ARE NADB3, ELEVATIONS ARE NAVD88.



34:1 APPROACH SURFACE

	I ANI /	77 SURFACE	ODSTROC		_		٠,	
ID #	DESCRIPTION	STATION / OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE T
1	TERRAIN	200+58, 222.6'L	387.6'	PRIMARY	382.0'	5.6'	TO BE REMOVED	ULTIMATE
2	TERRAIN	200+82, 250'L	388.5'	TRANSITIONAL	382.0'	6.5'	TO BE REMOVED	ULTIMATE
3	TERRAIN	199+90, 228.0'L	386.6'	APPROACH	382.3'	4.3'	TO BE REMOVED	ULTIMATE
				7.7				
							- 3	.,

ID #	DESCRIPTION	STATION / OFFSET	ELEVATION	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
1	TERRAIN	200+58, 222.6L	387.6'	382.0'	5.6'	TO BE REMOVED	ULTIMATE

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			STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
-			AND PUBLIC FACILITIES
_	DATE	PEVISION	CENTRAL REGION

NEWTOK AIRPORT	DATE: 03/19/2014
NEWTOK, ALASKA AIRPORT LAYOUT PLAN ULTIMATE INNER PORTION OF THE APPROACH SURFACE 5	SHEET: 7 0F

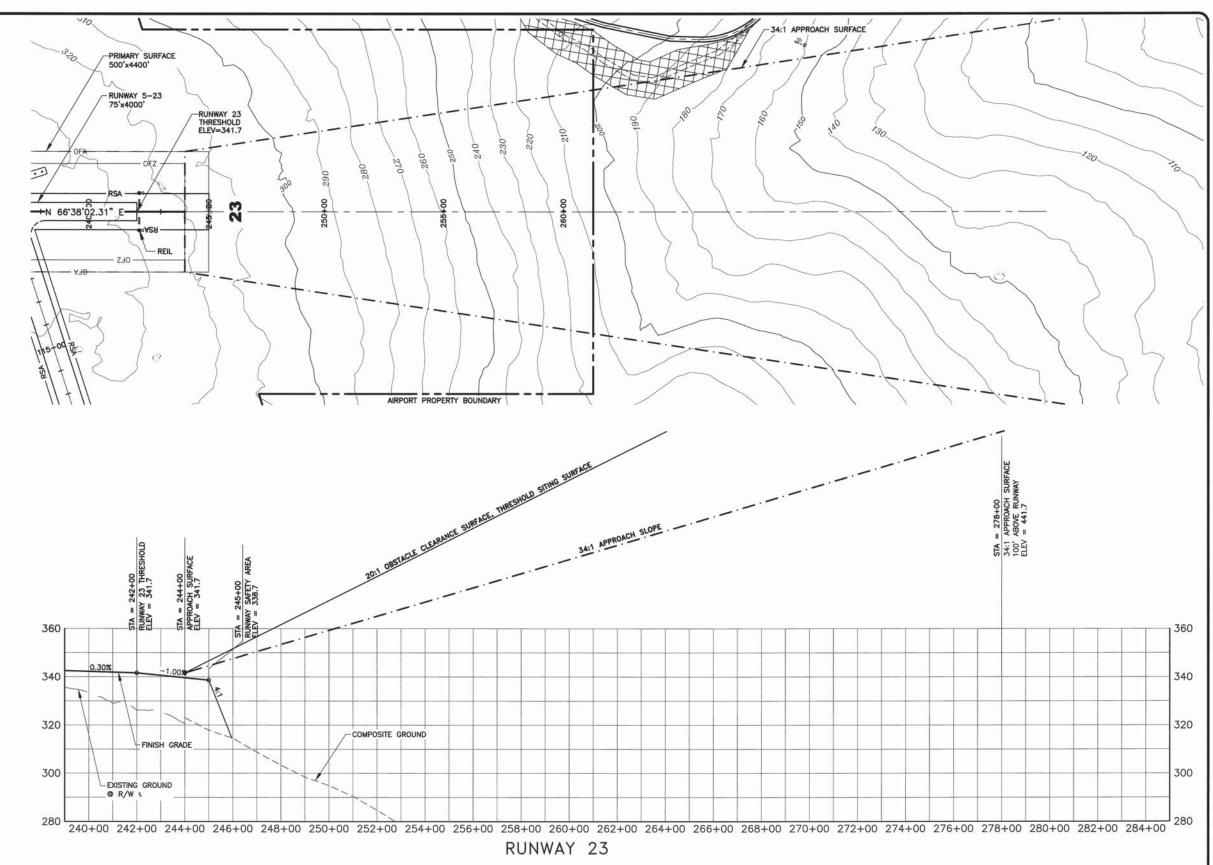
PRIMARY SURFACE

200' 100' 0' 200' 400'

HORIZONTAL TO VERTICAL RATIO = 10:1

## NOTES:

- THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 23. THEREFORE THE CONTROLLING OBSTRUCTIONS CLEARANCE SLOPE IS ESTABLISHED AS 34:1 PER FAA AC 150/5200-35A, CHAPTER 4, DATA ELEMENT NUMBER 57.
- THERE ARE NO OBJECT PENETRATIONS IN THE RUNWAY APPROACH END SITING SURFACES OF RUNWAY 23, AS DEFINED IN FAA AC 150/5300-13A, TABLE 3-2, LINE 7.
- 3. THERE ARE NO THRESHOLD SURFACE PENETRATIONS.
- BASEMAP DATA FROM 5 FOOT CONTOUR MAPPING BASED ON JUNE 6, 2005 PHOTOGRAMMETRY BY R&M.
- 5. ALL COORDINATES ARE NADB3, ELEVATIONS ARE NAVDBB.

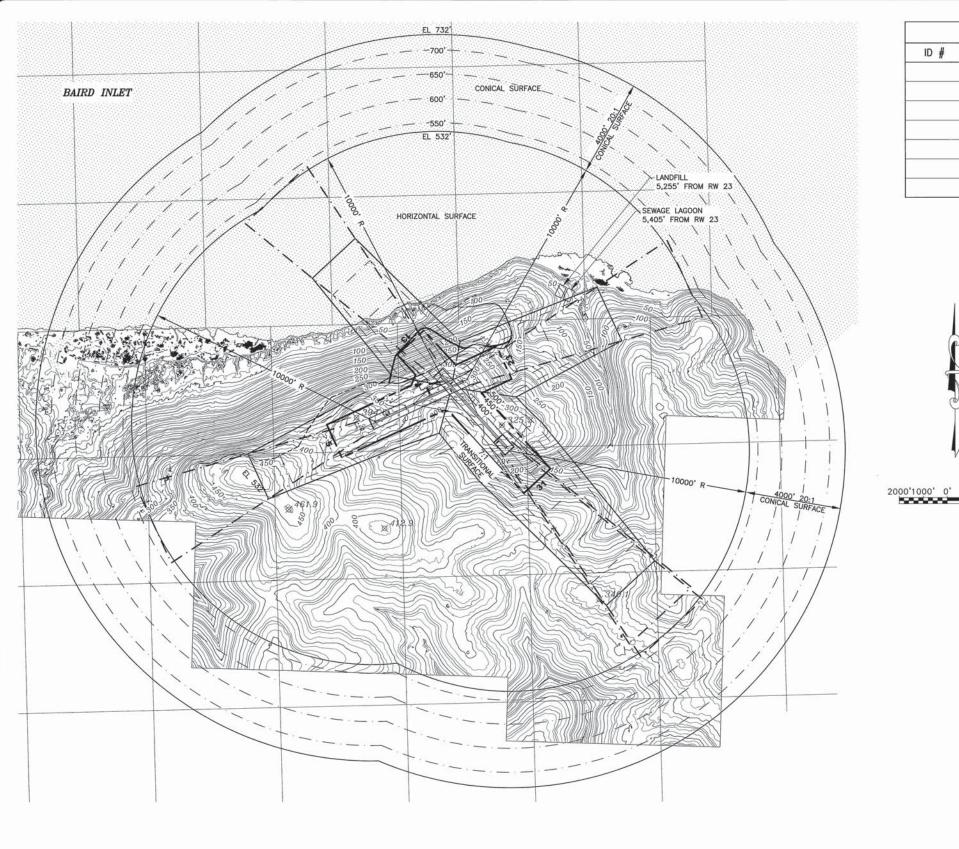


	PARI /		ORZIKOCI			ORTION RW	23)	
ID #	DESCRIPTION	STATION / OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE T CORREC
	NONE							
	-							
							4	
DEEED TO	THE AIRPORT AIRSPACE D	DAWING FOR DENET	DATION OF THE OIL	ITED ADDDOACH SH	DEACES			

			STATE OF ALASKA  DEPARTMENT OF TRANSPORTATION  AND PUBLIC FACILITIES  CENTRAL REGION	T
N N	DATE	REVISION	CENTRAL REGION	1

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NEWTOK AIRPORT	03/19/201
NEWTOK, ALASKA AIRPORT LAYOUT PLAN ULTIMATE INNER PORTION OF THE APPROACH SURFACE 23	SHEET: 8 OF 1



F.A.R. PART 77	SURFACE	OBSTRU	ICTION TA	BLE (OU	TER PORT	ION)	
DESCRIPTION	STA/OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT OF PENETRATION	DISPOSITION	STAGE TO CORRECT
NONE							
	DESCRIPTION	DESCRIPTION STA/OFFSET	DESCRIPTION STA/OFFSET ELEVATION	DESCRIPTION STA/OFFSET ELEVATION SURFACE PENETRATED	DESCRIPTION STA/OFFSET ELEVATION SURFACE PENETRATED ELEVATION	DESCRIPTION STA/OFFSET ELEVATION SURFACE SURFACE AMOUNT OF PENETRATION PENETRATION	PENETIATED ELEVATION PENETIATION



- 1. AIRPORT ELEVATION IS 382' (NAVD 88).
- APPROACH SURFACES ARE 34:1 BEGINNING 200' BEYOND THE THRESHOLD.
- BASE MAP DATA FROM 5 FOOT CONTOUR MAPPING BASED ON JUNE 6, 2005 PHOTOGRAMMETRY.
- 4. REFER TO THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR CLOSE—IN OBSTRUCTIONS.
- 5. PRIMARY SURFACE WIDTH IS 500'.
- 6. THERE ARE NO KNOWN ORDINANCE OR STATUTE HEIGHT RESTRICTIONS.
- 7. RUNWAY THRESHOLD 13: EL 344.8' RUNWAY THRESHOLD 31: EL 315.6' RUNWAY THRESHOLD 5: EL 382.0' RUNWAY THRESHOLD 23: EL 341.7'
- 8. ALL COORDINATES ARE NAD83, ELEVATIONS ARE NAVD88.

	r.A.K.	PART 77 SI	JINTAGE OF				1011)	
ID #	DESCRIPTION	STATION / OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE CORRE
	NONE							
		1						

	- pre-series	
$\Box$		
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

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NEWTOK AIRPORT

DATE:
03/19/2014

EWTOK AIRPORT NEWTOK, ALASKA AIRPORT LAYOUT PLAN AIRPORT AIRSPACE 03/19/2014 SHEET: 9 OF

