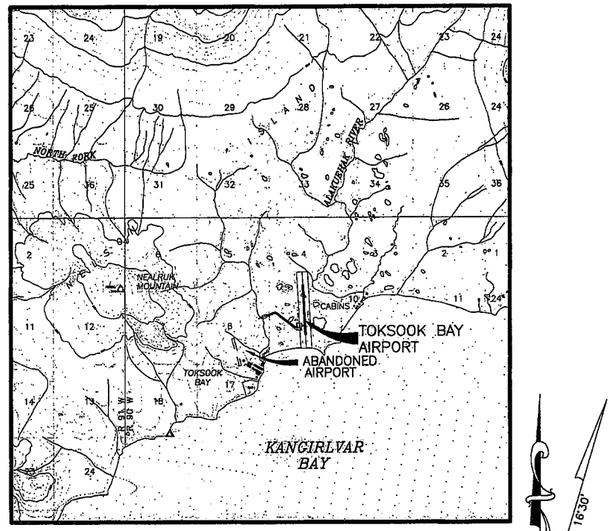
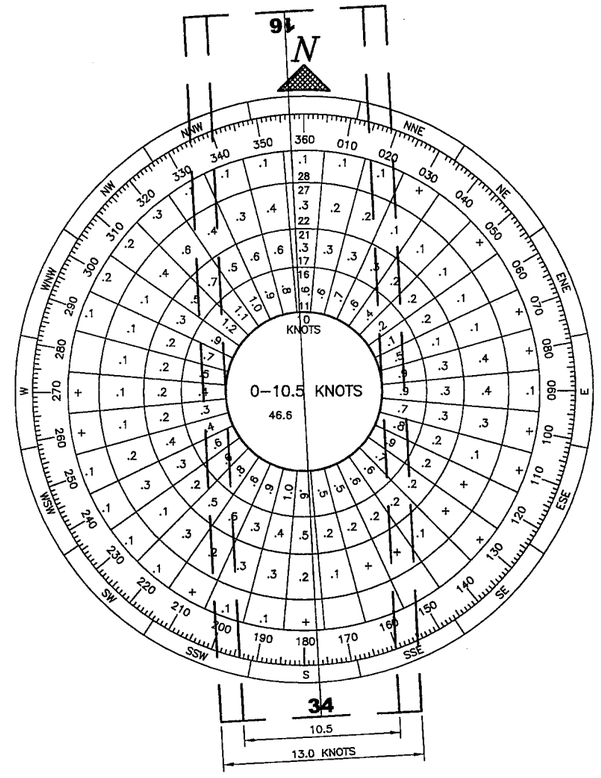


VICINITY MAP

25.4 mm = 1 MILE
T 5 N, R 90 W, SEC. 9
SEWARD MERIDIAN
U.S.G.S. NUNIVAK ISLAND (C-1), ALASKA
NOTE: ELEVATIONS SHOWN ON THIS MAP ARE IN FEET.

CONVERSION FACTORS FROM SI UNITS

TO CONVERT FROM	TO	MULTIPLY BY
STATION (1000 METERS)	FEET	3280.84
KILOMETER (km)	MILE	0.6214
METER (m)	MILE	0.00062137
METER (m)	FOOT	3.28084
MILLIMETER (mm)	FOOT	0.00328084
MILLIMETER (mm)	INCH	0.3937008
SQUARE METER (m^2)	SQUARE FOOT	10.76391042
SQUARE METER (m^2)	SQUARE YARD	1.19599
HECTARE	ACRE	2.4711
CUBIC METER (m^3)	CUBIC FOOT	35.3146667
CUBIC METER (m^3)	CUBIC YARD	1.3079506
CUBIC METER (m^3)	GALLON (US LIQUID)	264.17204
CUBIC METER (m^3)	M. GAL.	0.26417204
KILOGRAM (kg)	POUND-MASS (LBM)	2.2046225
MEGAGRAM (Mg)	TON (SHORT)	1.10231
NEWTON (n)	POUND-FORCE (LBF)	0.2248089
LUX (lx)	FOOTCANDLE	0.092903
DEGREE CELSIUS (°C)	DEGREE FAHRENHEIT (°F)	T°F=(1.8 x T°C)+32



WIND DATA

NOTE: WIND SPEED IS INDICATED IN KNOTS.

WIND COVERAGE: SEE DATA TABLES ON THIS SHEET

SOURCE: ALASKA STATE CLIMATE CENTER
E.A.R.I. UNIVERSITY OF ALASKA ANCHORAGE
DATA IS FOR TOKSOOK BAY, ALASKA WHICH IS LOCATED AT THE EXISTING RUNWAY

PERIOD: AUG 1993 TO AUG 1995

MODIFICATION TO STANDARDS

ITEM	EXISTING	STD B-1	FUTURE
WIND COVERAGE (10.5 KNOTS)	78.20%	95.0%	78.20%

NOTE: METRIC DIMENSIONS ARE IN ACCORDANCE WITH FAA AC 150/5300-13. ENGLISH UNIT CONVERSIONS ARE APPROXIMATE AND ARE FOR INFORMATION ONLY.

BASIC DATA TABLE

RUNWAY DATA

ITEM		RUNWAY 16/34 EXISTING	RUNWAY 16/34 FUTURE		
% WIND COVERAGE (10.5 KNOT)		78.20%			
% WIND COVERAGE (13.0 KNOT)		86.81%			
INSTRUMENT RUNWAY		NONE			
RUNWAY SURFACE		GRAVEL			
PAVEMENT STRENGTH (LBS.)		N/A			
APPROACH SURFACES		20:1			
VISIBILITY MINIMUM		VISUAL			
RUNWAY LIGHTING		MIRL			
RUNWAY MARKING		NONE			
VISUAL AND INSTRUMENT NAVIGATION AIDS		NONE			
RUNWAY DIMENSIONS		975m x 18m			
		(3,199'x59')			
RUNWAY SAFETY AREA DIMENSIONS		1119m x 36m			
		(3,671'x118')			
RUNWAY OBJECT FREE AREA DIMENSION		1119m x 120m			
		(3671'x394')			
RUNWAY OBSTACLE FREE ZONE DIMENSION		1095m x 75m			
		(3,593'x246')			
RUNWAY END COORDINATES (NAD 83)					
RUNWAY 16	LAT.	60°32'44.54"N			
	LONG.	165°05'15.59"W			
RUNWAY 34	LAT.	60°32'13.09"N			
	LONG.	165°05'12.13"W			
RUNWAY PROTECTION ZONE DIMENSIONS					
INNER WIDTH		150m(492')			
OUTER WIDTH		210m(659')			
LENGTH		300m(984')			
AIRCRAFT APPROACH CATEGORY		B			
AIRCRAFT DESIGN GROUP		I			

BASIC DATA TABLE

AIRPORT DATA

ITEM		EXISTING	FUTURE
AIRPORT ELEVATION (NAVD 88, SEE NOTE BELOW)		18.27m (59.94')	
AIRPORT REFERENCE POINT (A.R.P.) (NAD 83)	LAT.	60°32'29"N	
	LONG.	165°05'14"W	
TAXIWAY LIGHTING		MITL	
RAMP LIGHTING		NONE	
MEAN MAX. TEMPERATURE, HOTTEST MONTH (JULY)		14.4°C (58°F)	
MAGNETIC DECLINATION, YEAR		16°30', 1996	
AIRPORT AND TERMINAL NAVIGATION AIDS		GPS	

NOTE

THIS ELEVATION IS BASED ON NAVD 88 AS DERIVED IN THE TOKSOOK BAY AIRPORT RECORD OF SURVEY DATED 4/29/05. ALL OTHER ELEVATION DATA GIVEN IN THIS ALP ARE BASED ON MEAN SEA LEVEL (M.S.L.) VERTICAL DATUM. SUBTRACT 2.90m (9.51') TO CONVERT M.S.L. ELEVATIONS TO NAVD 88 ELEVATIONS.

LEGEND

ITEM	EXISTING	FUTURE
PROPERTY LINE		
BUILDING RESTRICTION LINE	BRL	BRL
AVIATION & HAZARD EASEMENT		
AIRPORT REFERENCE POINT (A.R.P.)		
WIND CONE AND SEGMENTED CIRCLE		
CONTOURS	2.0	2.0
ROADWAYS		
BUILDINGS		
ROTATING BEACON		
SHORELINE		
RUNWAY		
TAXIWAY		
THRESHOLD LIGHTS		

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DATE: 07/20/05

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 8/8/05
By: [signature] DATE: 8/8/05
FAA AIRPORTS DIVISION
ALASKAN REGION, AAL-600

FAA AIRSPACE REVIEW NUMBER: 97AAL-35-NRA

BY	DATE	REVISIONS
JPB	7/25/05	AS-BUILT (ELECTRONIC)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

APPROVED: [signature] HARVEY M. DOUTHIT, P.E. DESIGN SECTION CHIEF
APPROVED: [signature] GARY E. LINCOLN, P.E. PROJECT MANAGER

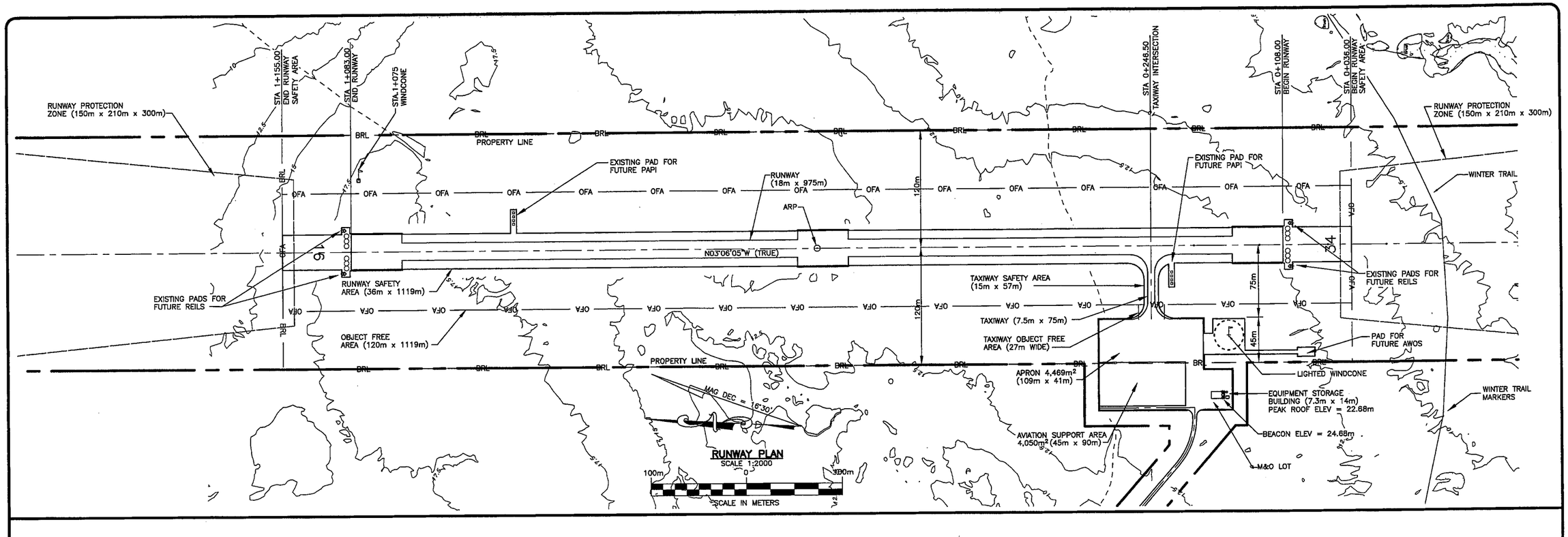
DATE 7/25/05
DESIGN EMD
DRAWN DLB
CHECKED JPB

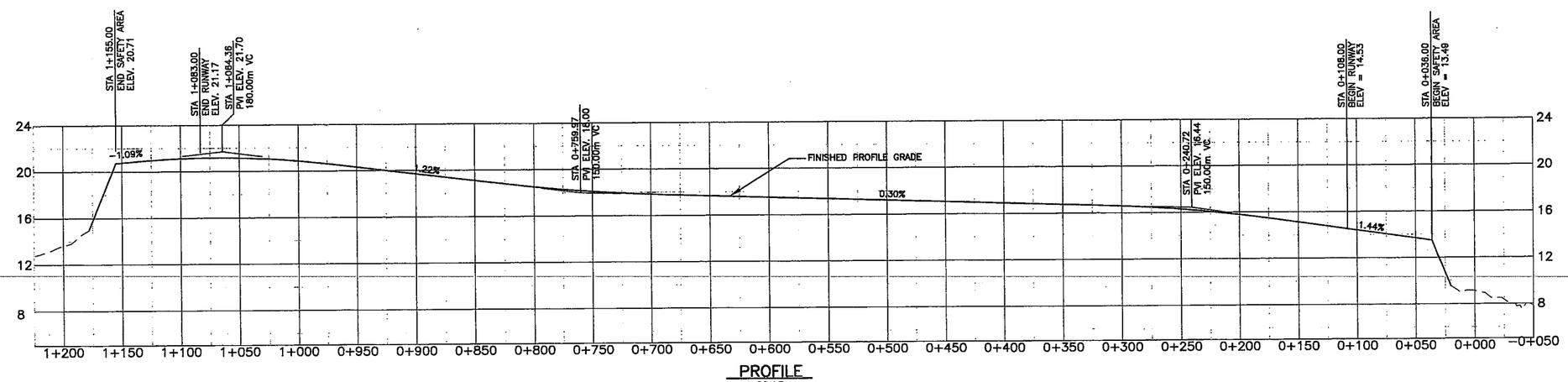
TOKSOOK BAY AIRPORT
TOKSOOK BAY, ALASKA

AIRPORT LAYOUT PLAN

VICINITY MAP AND DATA TABLES

SHEET 2 OF 7





PROFILE
SCALE
HORIZ = 1:2000
VERT = 1:5

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By: [signature] DATE: 8/8/05
FAA AIRPORTS DIVISION
ALASKAN REGION, AAL-600

FAA AIRSPACE REVIEW NUMBER: 97AAL-35-NRA

BY	DATE	REVISIONS
TJB	7/25/05	AS-BUILT (ELECTRONIC)

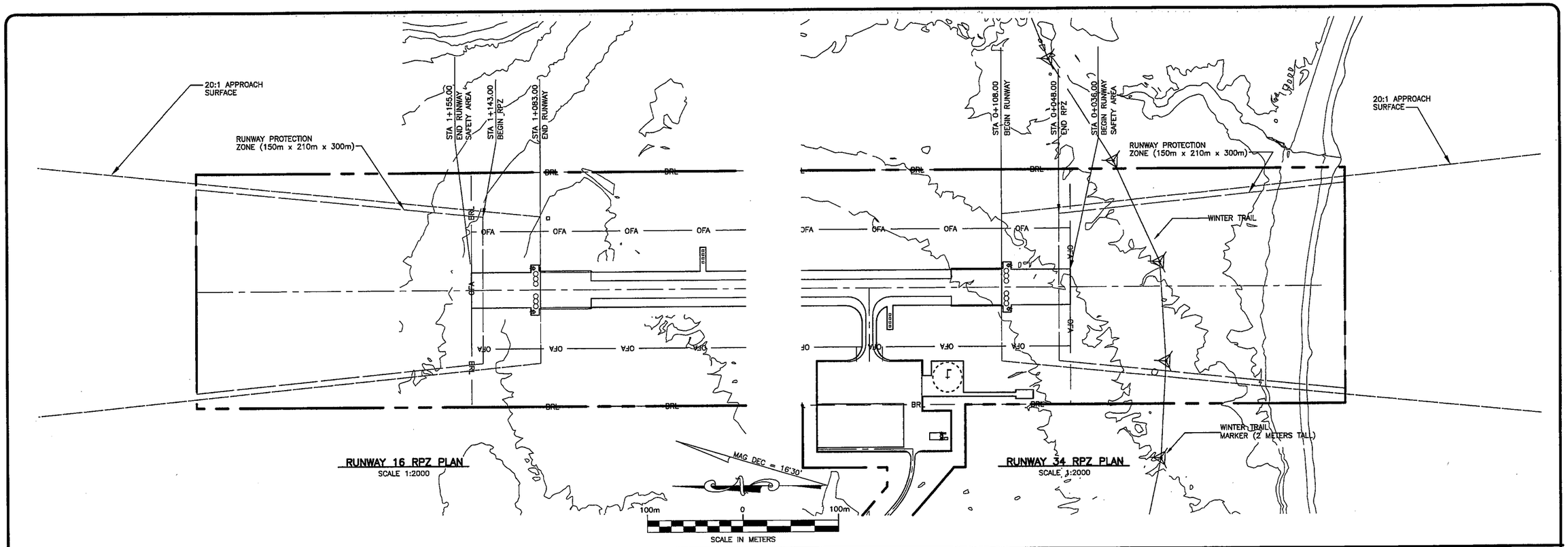
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

APPROVED: [signature] HARVEY M. DOUTHIT, P.E. — DESIGN SECTION CHIEF
APPROVED: [signature] GARY E. LINCOLN, P.E. — PROJECT MANAGER

DATE 7/25/05
DESIGN CMB
DRAWN DLB
CHECKED TJB

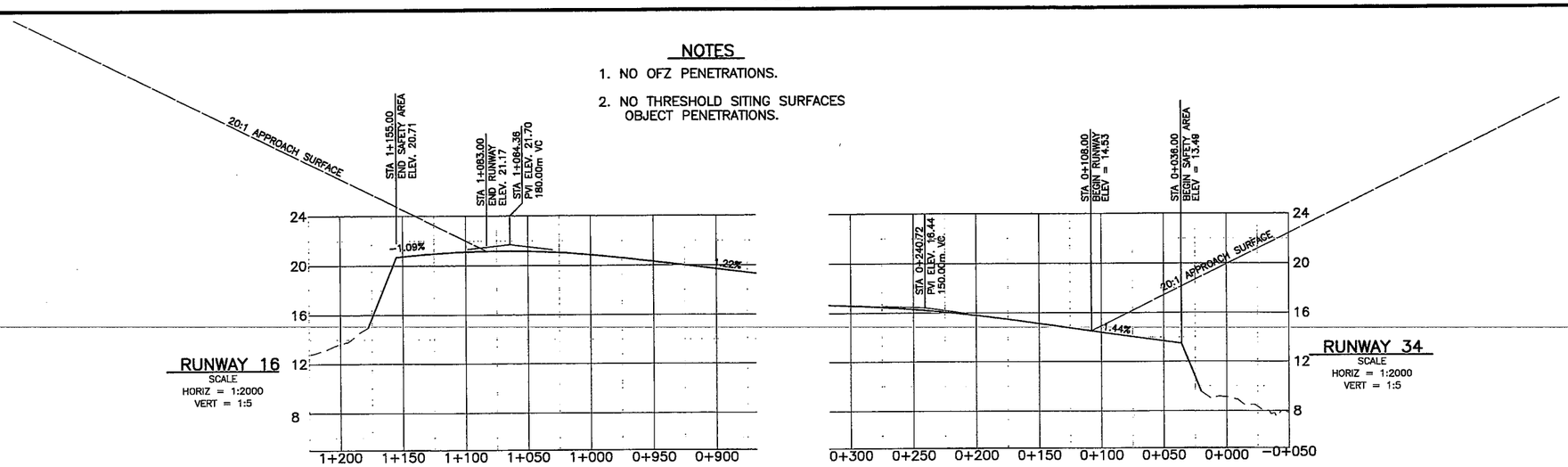
TOKSOOK BAY AIRPORT
TOKSOOK BAY, ALASKA
AIRPORT LAYOUT PLAN
RUNWAY
PLAN AND PROFILE

SHEET 3 OF 7



NOTES

1. NO OFZ PENETRATIONS.
2. NO THRESHOLD SITING SURFACES OBJECT PENETRATIONS.



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By: [signature] DATE: 8/8/05
FAA AIRPORTS DIVISION
ALASKAN REGION, AAL-600

FAA AIRSPACE REVIEW NUMBER: 97AAL-35-NRA

BY	DATE	REVISIONS
TJS	7/25/05	AS-BUILT (ELECTRONIC)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

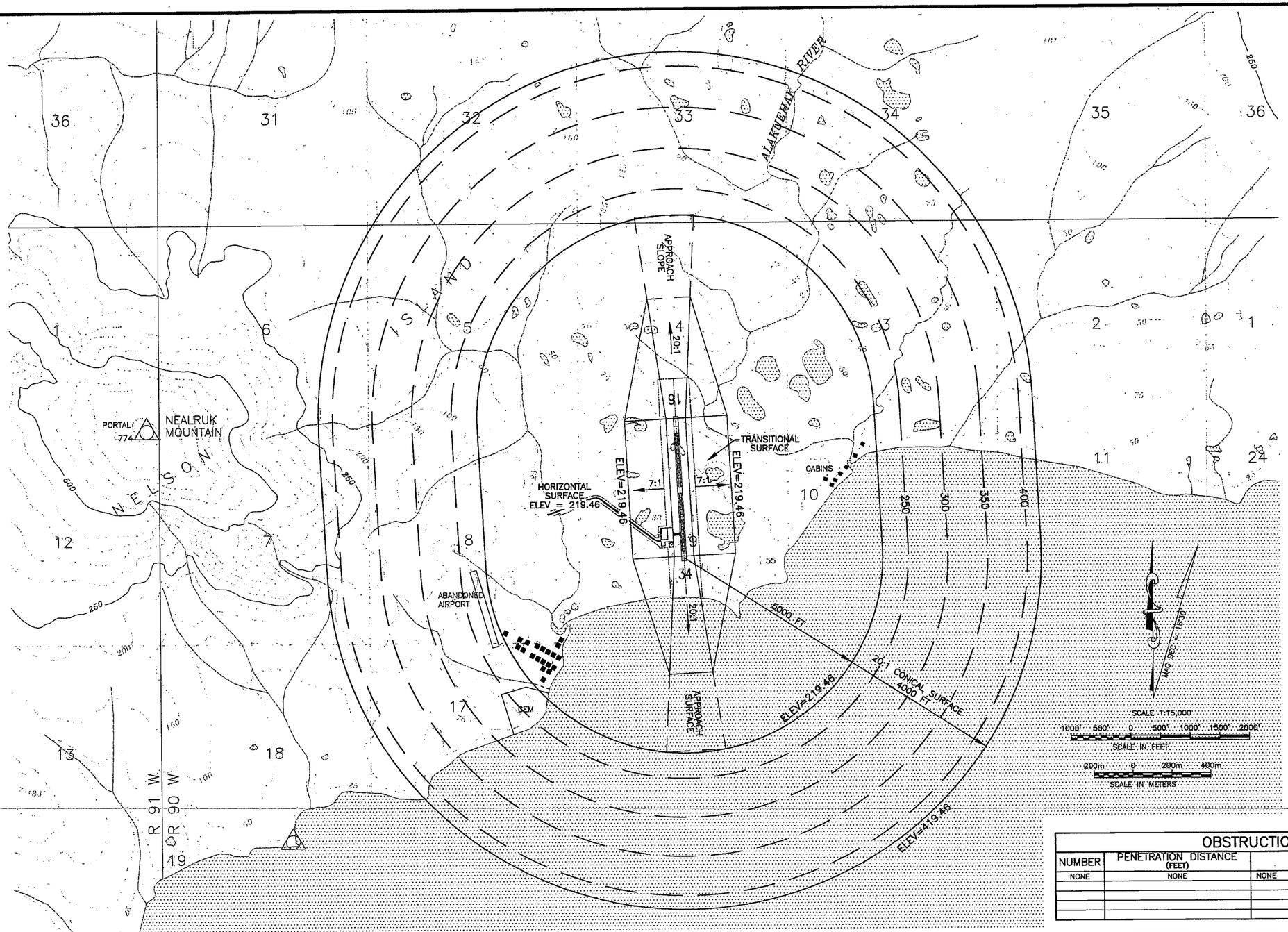
APPROVED: [signature] HARVEY M. DOUGHIT, P.E. — DESIGN SECTION CHIEF
APPROVED: [signature] GARY E. LINCOLN, P.E. — PROJECT MANAGER

DATE 7/25/05
DESIGN EMW
DRAWN DLB
CHECKED TJS

TOKSOOK BAY AIRPORT
TOKSOOK BAY, ALASKA
AIRPORT LAYOUT PLAN

RUNWAY 16/34
RPZ PLAN AND PROFILE

SHEET 4 OF 7



LEGEND

X FEET SPOT ELEVATIONS

NOTES

1. AIRPORT AND RUNWAY ELEVATIONS ARE 69.46'.
2. THIS DRAWING IS BASED ON USGS QUAD NUNIVAK ISLAND (C-1), ALASKA.

NOTE:
DIMENSIONS AND ELEVATIONS ARE IN FEET.

OBSTRUCTION DATA TABLE

NUMBER	PENETRATION DISTANCE (FEET)	DESCRIPTION
NONE	NONE	NONE

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DATE: v1=plan

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 8/8/05
By: [signature] DATE: 8/8/05
FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL-600

FAA AIRSPACE REVIEW NUMBER: 97AAL-35-NRA

BY	DATE	REVISIONS
TJS	7/25/05	AS-BUILT (ELECTRONIC)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

APPROVED: [signature]
HARVEY M. DOUTHIT, P.E. — DESIGN SECTION CHIEF
APPROVED: [signature]
GARY E. LINCOLN, P.E. — PROJECT MANAGER

DATE 7/25/05
DESIGN EMW
DRAWN DEB
CHECKED TJS

TOKSOOK BAY AIRPORT
TOKSOOK BAY, ALASKA

AIRPORT LAYOUT PLAN

F.A.R. PART 77 SURFACES

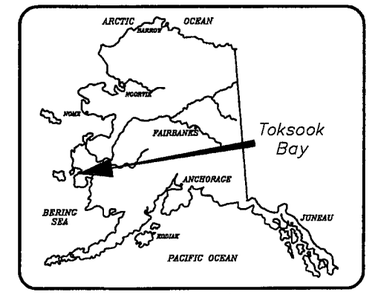
SHEET 5 OF 7

PROPERTY STATUS

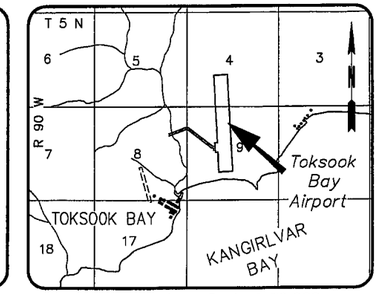
PARCEL	LARGER PARCEL	TAKE	REMAINDER	GRANTOR	DOT&PF INTEREST	DATE ACQ'D	ACQUIRED UNDER A.I.P. No.
1	Large	39.071 ha± 96.55 Ac.±	Large	Nunakaulak Yupik Corporation	Special Warranty Deed, Surface Est. Bk 93, Pg 446	6/06/2001	3-02-0441-0101
2	Large	4.157 ha± 10.27 Ac.±	Large	Nunakaulak Yupik Corporation	Special Warranty Deed, Surface Est. Bk 93, Pg 446	6/06/2001	3-02-0441-0101
3	Large	1.360 ha± 3.36 Ac.±	Large	Nunakaulak Yupik Corporation	Restrictive Covenant Bk 93, Pg 441	6/06/2001	3-02-0441-0101
4	Large	1.354 ha± 3.35 Ac.±	Large	State of Alaska DNR	ILMA	(TBA)	

NOTES

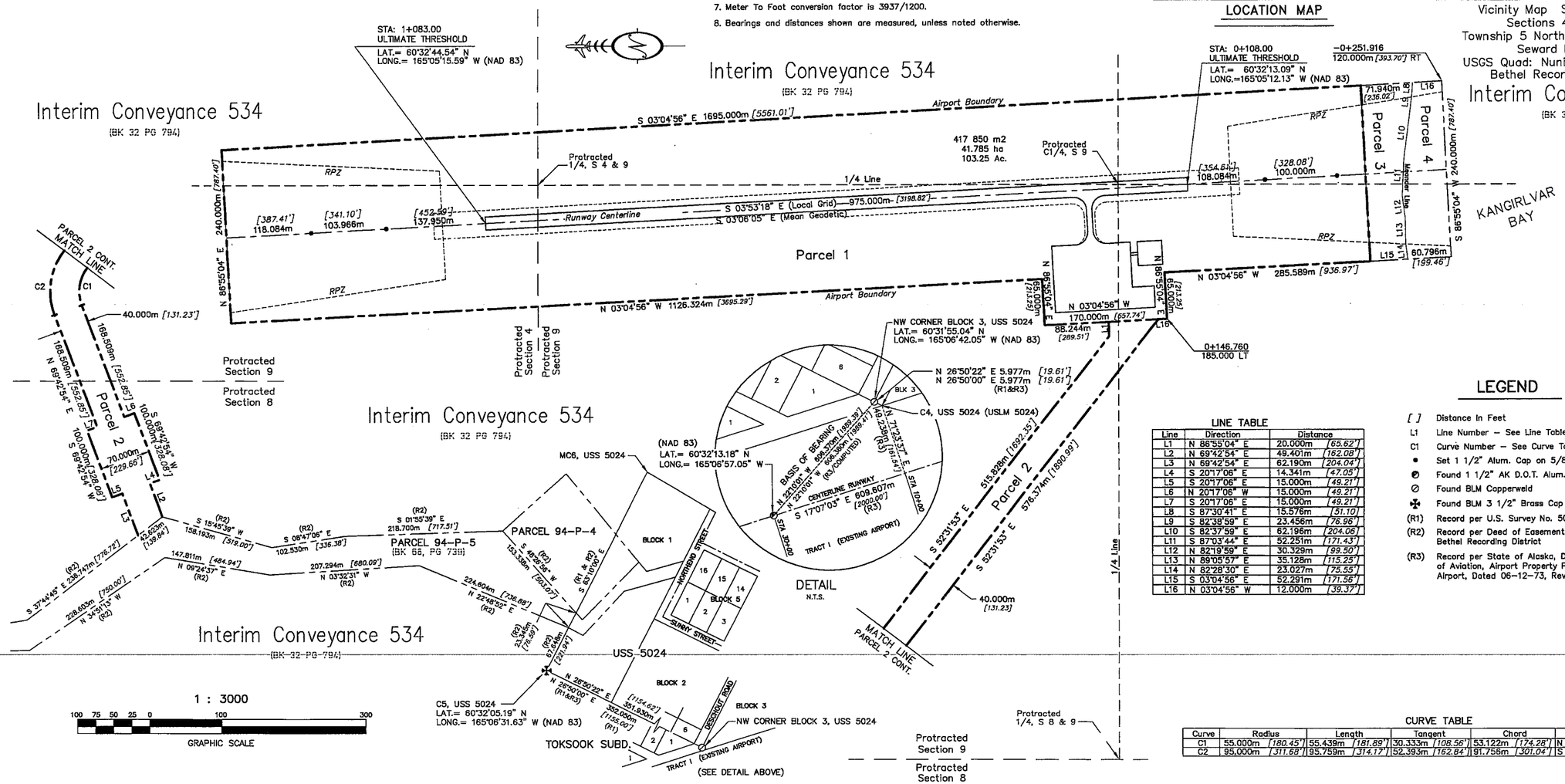
1. The bearings shown are local plane bearings as oriented to the basis of bearings, and distances shown are reduced to horizontal ground distances.
2. Distances shown are in meters, followed by feet shown in brackets.
3. Basis of Bearing for this survey is the line between the northwest corner of Block 3, U.S. Survey 5024 and Station 30+00.00 of the existing Toksook Bay Airport, having a True Mean Bearing of N 22°10'01" E (NAD 27), as calculated from The State of Alaska, Dept. of Public Works, Div. of Aviation, Airport Property Plan for Toksook Bay Airport, dated 06-12-73, revised 08-21-85.
4. Geodetic coordinates are computed from the record position of USLM No. 5024, according to the State of Alaska, Dept. of Public Works, Div. of Aviation, Airport Property Plan for Toksook Bay Airport, dated 06-12-73, revised 08-21-85.
   Latitude = 60°31'54.87" N
   Longitude = 165°06'42.23" W (NAD 83)
5. Parcel 2 is for Right Of Way Uses.
6. The minimum closure of all traverses meets or exceeds 1:10,000.
7. Meter To Foot conversion factor is 3937/1200.
8. Bearings and distances shown are measured, unless noted otherwise.



LOCATION MAP



Vicinity Map Scale 1:50,000
Sections 4, 8, & 9
Township 5 North, Range 90 West
Seward Meridian
USGS Quad: Nunivak Island (C-1)
Bethel Recording District



LEGEND

[ ]	Distance In Feet
L1	Line Number – See Line Table
C1	Curve Number – See Curve Table
•	Set 1 1/2" Alum. Cap on 5/8" X 30" Rebar
◐	Found 1 1/2" AK D.O.T. Alum. Cap
⊘	Found BLM Copperweld
✠	Found BLM 3 1/2" Brass Cap
(R1)	Record per U.S. Survey No. 5024
(R2)	Record per Deed of Easement Bk. 68, Pgs. 739-741, Bethel Recording District
(R3)	Record per State of Alaska, Dept. of Public Works, Div. of Aviation, Airport Property Plan for Toksook Bay Airport, Dated 06-12-73, Revised 08-21-85.

LINE TABLE

Line	Direction	Distance	
L1	N 88°55'04" E	20.000m	[65.62']
L2	N 69°42'54" E	49.401m	[162.08']
L3	N 69°42'54" E	62.190m	[204.04']
L4	S 20°17'06" E	14.341m	[47.05']
L5	S 20°17'06" E	15.000m	[49.21']
L6	N 20°17'06" W	15.000m	[49.21']
L7	S 20°17'06" E	15.000m	[49.21']
L8	S 87°30'41" E	15.576m	[51.10]
L9	S 82°38'59" E	23.456m	[76.96']
L10	S 82°37'59" E	62.196m	[204.06']
L11	S 87°03'44" E	52.251m	[171.43']
L12	N 82°19'59" E	30.329m	[99.50']
L13	N 89°05'57" E	35.128m	[115.25']
L14	N 82°28'30" E	23.027m	[75.55']
L15	S 03°04'56" E	52.291m	[171.56']
L16	N 03°04'56" W	12.000m	[39.37']

CURVE TABLE

Curve	Radius		Length		Tangent		Chord		Bearing	Delta
C1	55.000m	[180.45']	55.439m	[181.89']	30.333m	[108.56']	53.122m	[174.28']	N 81°24'29" W	57°45'13"
C2	95.000m	[311.68']	95.759m	[314.17']	52.393m	[162.84']	91.756m	[301.04']	S 81°24'29" E	57°45'13"

FILE: TALP6.DWG
DATE: 1-18-00, 7-10-00, PLH

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
By: _____
FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL-600
DATE: 8/28/05
FAA AIRSPACE REVIEW NUMBER: 97AAL-034-NRA

BY	DATE	REVISIONS
plh	6/28/01	Updated the Property Status Table

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION-DESIGN AND CONSTRUCTION-AVIATION
APPROVED: _____ Harvey M. Douthit, P.E. — DESIGN SECTION CHIEF
APPROVED: _____ Gary E. Lincoln, P.E. — PROJECT MANAGER

DATE 06/06/05
DESIGN MES
DRAWN DLB
CHECKED TJS

TOKSOOK BAY AIRPORT
AIRPORT LAYOUT PLAN
PROPERTY MAP

SHEET 6 OF 7