

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION

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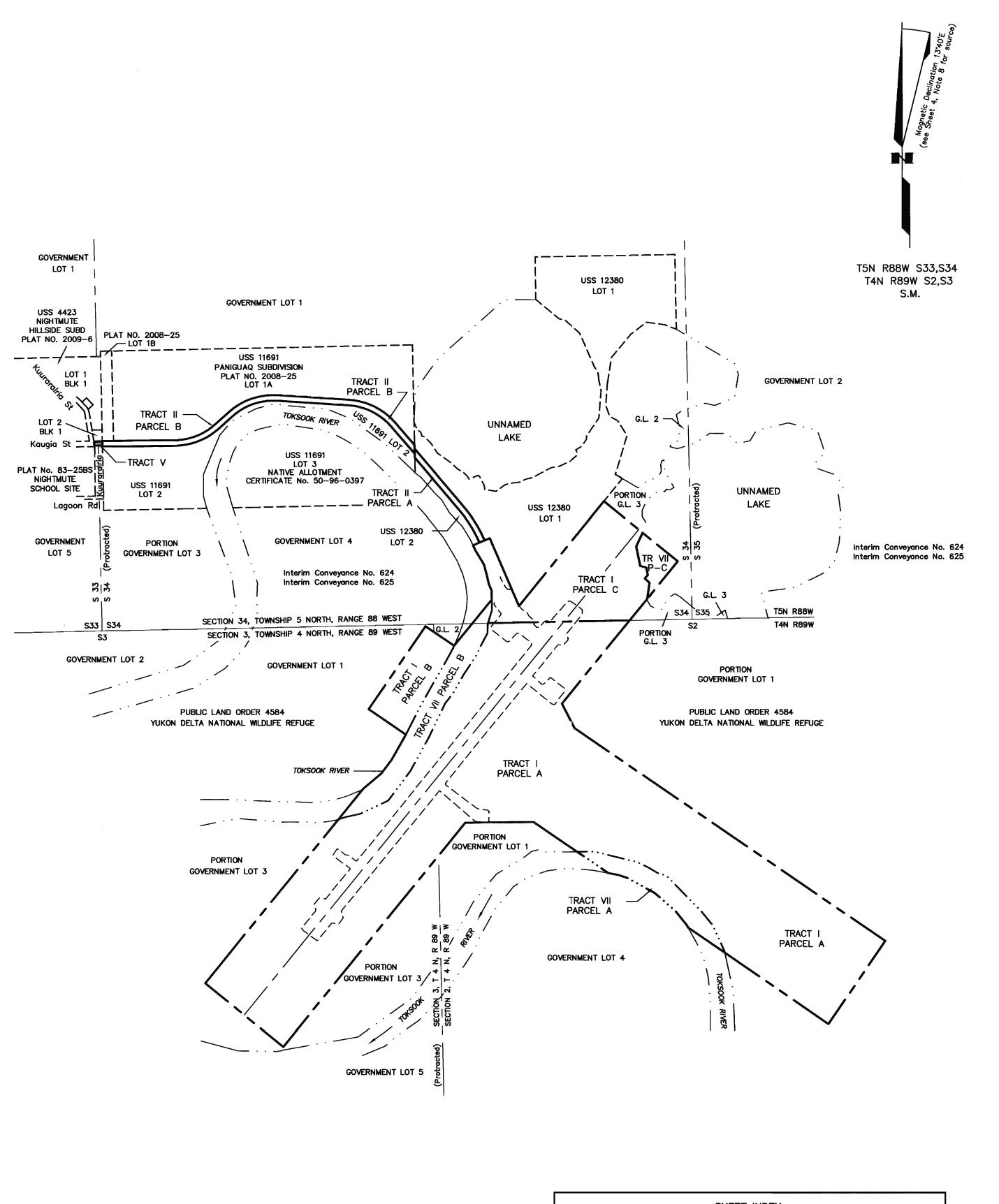
PUBLIC FACILITIES

RIGHT OF WAY ACQUISITION PLAT

ALASKA PROJECT

NIGHTMUTE AIRPORT

AKSAS No. 51809

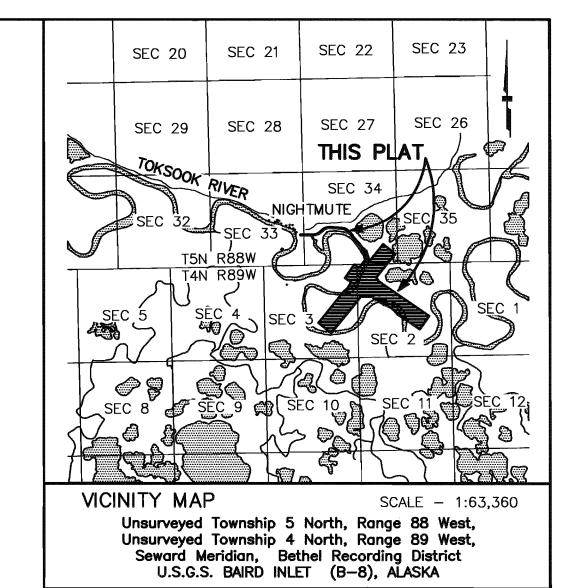


GRAPHIC SCALE

1 inch = 600 ft

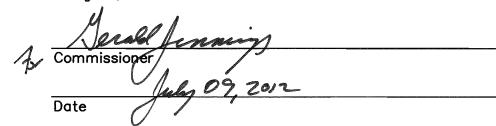
	SHEET INDEX
Sheet 1	Cover Sheet
Sheet 2	Tract I, Parcels A,B,C and Tract VII Parcels A,B,C
Sheet 3	Tract II, Parcels A,B and Tract V
Sheet 4	Property Status, Horizontal Control and Survey Notes
Sheet 5	Monument Details

BETHEL RECORNING DISTRICT PLAT 2012-30



# PLAT APPROVAL

This plat is approved by the Commissioner of the Department of Natural Resources, or the Commissioner's Designee, in accordance with AS 40.15.



### TAX CERTIFICATE

This property lies outside of any taxing authority, at the time of filing.

## SURVEYOR CERTIFICATE

I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this plat represents a survey made by me or under my direct supervision, that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct.



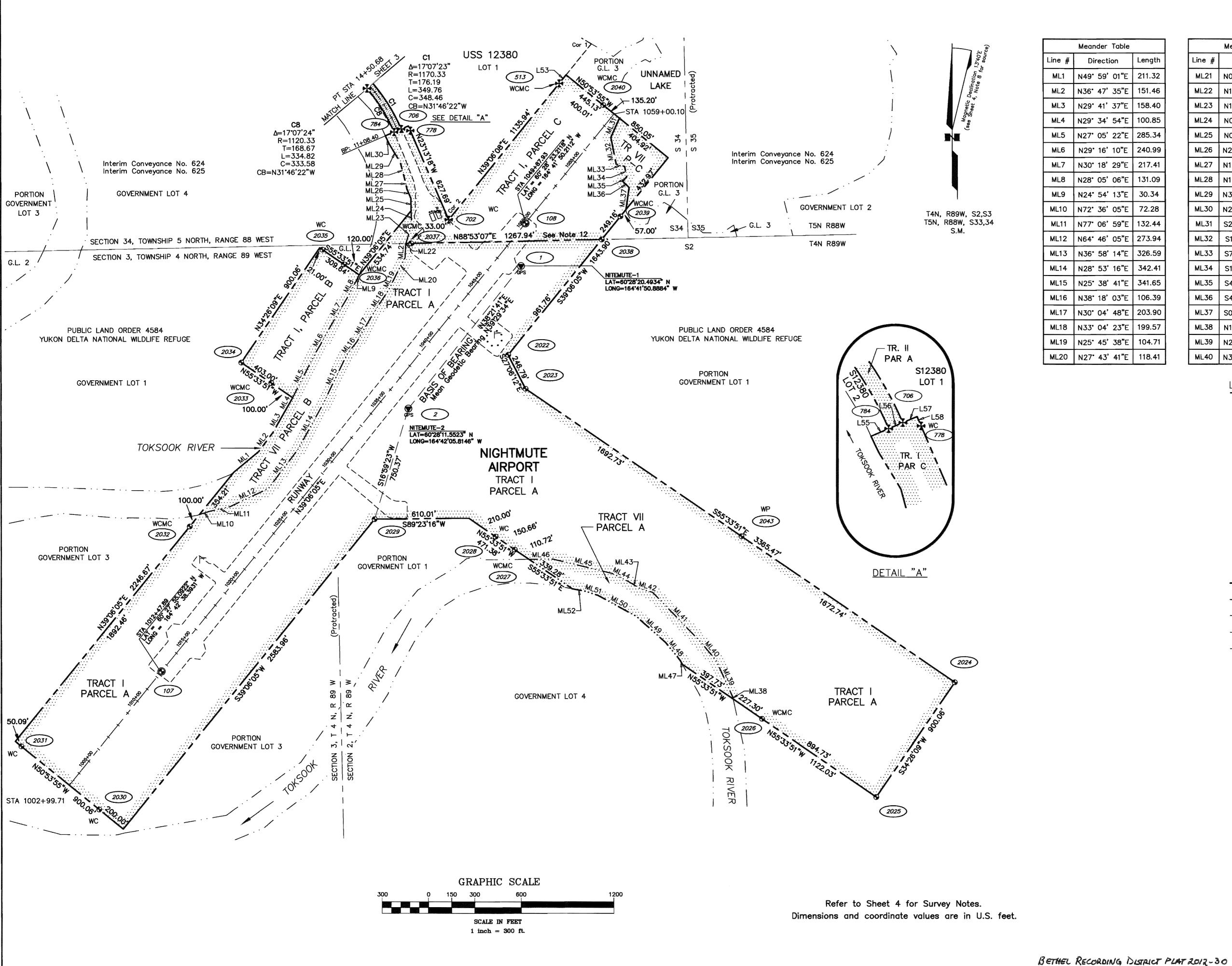


Within Sections 2 and 3 T4N R89W And Sections 33 and 34 T5N R88W Seward Meridian, Alaska

BETHEL RECORDING DISTRICT STATE BUSINESS — NO FEE

SHEET 1 OF 5

DNR FILE No. PA20120012



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	Meander Table	
Line #	Direction	Length
ML1	N49° 59' 01"E	211.32
ML2	N36° 47′ 35″E	151.46
ML3	N29° 41′ 37″E	158.40
ML4	N29° 34' 54"E	100.85
ML5	N27° 05' 22"E	285.34
ML6	N29° 16' 10"E	240.99
ML7	N30° 18' 29"E	217.41
ML8	N28° 05' 06"E	131.09
ML9	N24° 54' 13"E	30.34
ML10	N72° 36' 05"E	72.28
ML11	N77° 06' 59"E	132.44
ML12	N64* 46' 05"E	273.94
ML13	N36° 58' 14"E	326.59
ML14	N28* 53' 16"E	342.41
ML15	N25° 38' 41"E	341.65
ML16	N38° 18' 03"E	106.39
ML17	N30° 04' 48"E	203.90
ML18	N33° 04' 23"E	199.57
ML19	N25° 45′ 38″E	104.71
ML20	N27° 43' 41"E	118.41

	Meander Table	
Line #	Direction	Length
ML21	N02° 57' 28"E	88.55
ML22	N16° 54' 43"E	4.63
ML23	N16° 54' 42"E	125.19
ML24	N01° 18' 51"W	91.93
ML25	N01° 18' 51"W	80.33
ML26	N22° 44′ 32″W	65.65
ML27	N12° 30' 04"W	69.57
ML28	N14* 47' 45"W	108.67
ML29	N30° 56′ 33″W	138.97
ML30	N25° 27′ 58″W	58.21
ML31	S24° 19' 37"W	136.01
ML32	S11° 20′ 21″E	175.90
ML33	S74° 14' 59"E	56.21
ML34	S11° 35' 35"E	68.06
ML35	S41° 36' 11"W	39.87
ML36	S46° 31' 29"E	57.61
ML37	S08° 08' 01"W	145.05
ML38	N12° 27' 51"W	13.32
ML39	N24° 09' 18"W	256.68
ML40	N39° 34' 00"W	152.70

	Meander Table	
Line #	Direction	Length
ML41	N44° 03' 29"W	453.23
ML42	N73° 54' 14"W	80.89
ML43	N59° 09' 20"W	97.67
ML44	N63° 41' 56"W	112.63
ML45	N76° 13' 46"W	392.42
ML46	S89* 39' 02"W	156.64
ML47	N29* 20' 55"W	31.52
ML48	N39° 06' 26"W	146.79
ML49	N48* 19' 55"W	253.63
ML50	N61° 15' 53"W	283.05
ML51	N71° 40′ 42″W	84.24
ML52	N79° 29' 19"W	88.63
		000000000000000000000000000000000000000

Line Table				
Line #	Direction	Length		
L53	S39* 06' 05"W	70.76		
L55	S67* 00' 26"W	61.90		
L56	S66° 46' 42"W	50.00		
L57	S66* 46' 42"W	50.01		
L58	N23° 13′ 18″W	33.00		

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- Primary Survey Control Monument, Recovered
- BLM Monument, Recovered
- Secondary Monument, Recovered
- Set 3 1/4" Alum Cap on 2 1/2" x 30" Alum Pipe, Flared at Base, on Centerline
- Set 3 1/4" Alum Cap on 2 1/2" x 30" Alum Pipe, Flared at Base, with Orange Carsonite Witness Post

PLAT 2008-25 Plat Recording Number (Typical)

Monument Number, see Sheet 5

Wind Cone and Segmented Circle

Right-of-Way Line

---- Property Line

Meander Line (See Notes 11 & 17)

— — Edge of Constructed Road

Existing Right-of-Way

Acquired Right-of-Way

BETHEL RECORDING DISTRICT STATE BUSINESS - NO FEE

DATE **REVISIONS** 

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION

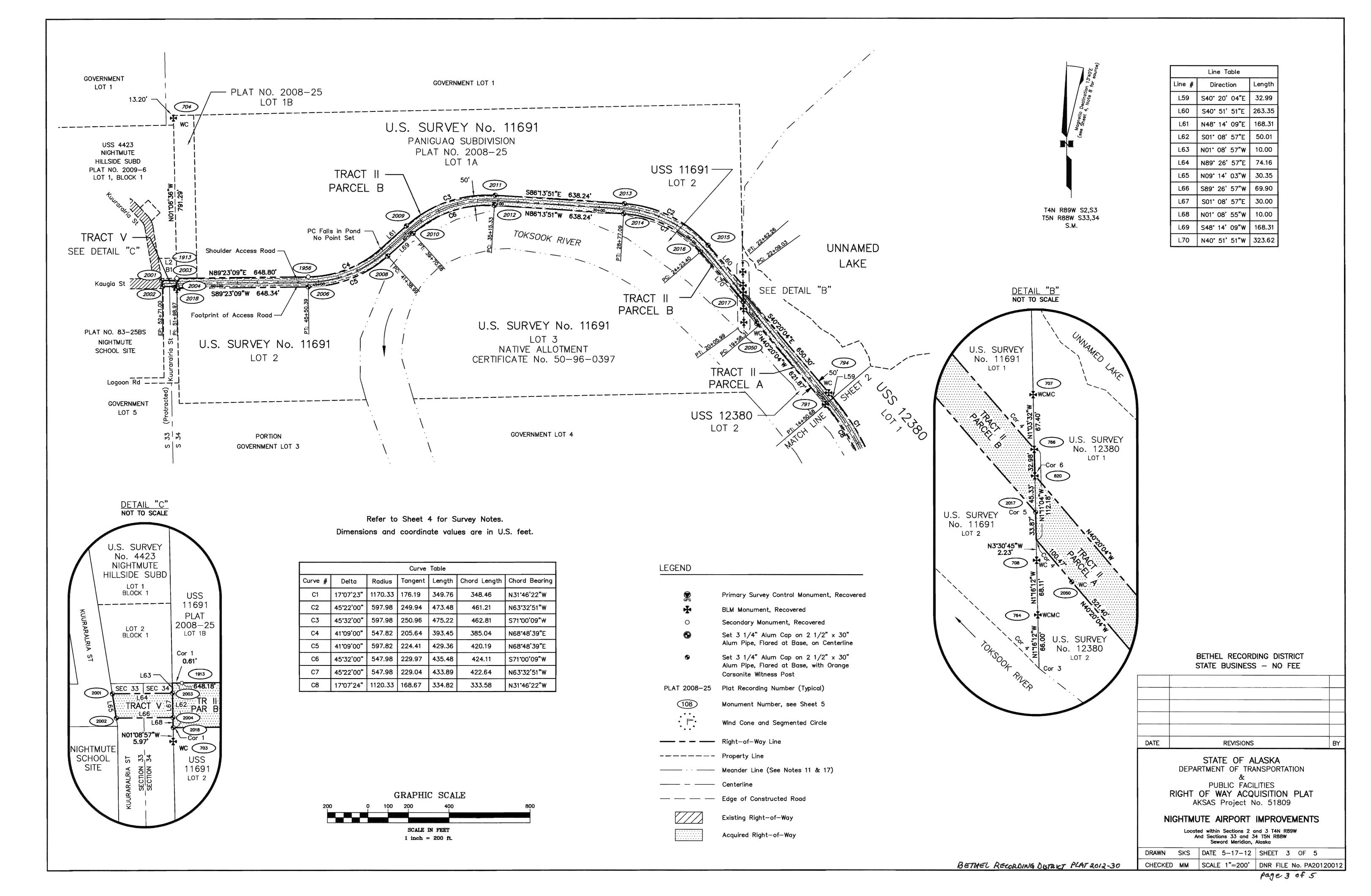
PUBLIC FACILITIES RIGHT OF WAY ACQUISITION PLAT AKSAS Project No. 51809

# NIGHTMUTE AIRPORT IMPROVEMENTS

Located within Sections 2 and 3 T4N R89W And Sections 33 and 34 T5N R88W Seward Meridian, Alaska

DRAWN SKS DATE 5-17-12 SHEET 2 OF 5 CHECKED MM | SCALE 1"=300' | DNR FILE No. PA20120012

page 2 of 5



PROPERTY STATUS								
PARCEL NO.	INTEREST TO BE ACQUIRED	GRANTOR	GRANTEE	LARGER PARCEL AREA	NET TAKE	REMAIN	RECORDED DOCUMENT NO.	ACQUIRED UNDER A.I.P. NO.
	Fee — Surface Estate — See Notes 15 and	Nunakauiak Yupik Corp	State of Alaska, DOT&PF				2007-000810-0	
TR I, PCL A	16 (pertains to a portion of this parcel).			Large	158.40 Ac.	Large		
A the desirement	Fee — Subsurface Estate	United States Fish and Wildlife	State of Alaska, DOT&PF	7			See Note 16	
TD I DOLD	Fee — Surface Estate	Nunakauiak Yupik Corp	State of Alaska, DOT&PF	Large	7.31 Ac.	Large	2007-000810-0	
TR I, PCL B	Fee — Subsurface Estate	United States Fish and Wildlife	State of Alaska, DOT&PF	Large	7.31 AC.		See Note 16	
TD I DOLO	Fee — Surface Estate — See Note 15.	Chinuruk, Inc	State of Alaska, DOT&PF	_		Ac. Large	2007-000598-0	
TR I, PCL C	Fee — Subsurface Estate	Calista Corp	State of Alaska, DOT&PF	Large	21.15 Ac.		2007-000597-0	
TD II DOL A	Fee — Surface Estate	Chinuruk, Inc	State of Alaska, DOT&PF			Large	2007-000598-0	
TR II, PCL A	Fee — Subsurface Estate	Calista Corp	State of Alaska, DOT&PF	Large	1.14 Ac.		2007-000597-0	
TD    DOI D	Fee — Surface Estate	Chinuruk, Inc	State of Alaska, DOT&PF		3.52 Ac. Large	1	2007-000598-0	
TR II, PCL B	Fee — Subsurface Estate	Calista Corp	State of Alaska, DOT&PF	Large		Large	2007-000597-0	
TD 1/	Fee — Surface Estate	Chinuruk, Inc	State of Alaska, DOT&PF	Large	0.05 Ac.	Large	2007-000598-0	
TR V	Fee — Subsurface Estate	Calista Corp	State of Alaska, DOT&PF				2007-000597-0	
TR VII, PCL A	Interagency Land Management Agreement (ILMA)	State of Alaska, DNR	State of Alaska, DOT&PF	Large	5.24 Ac.	Large	2008-000159-0	
TR VII, PCL B	Interagency Land Management Agreement (ILMA)	State of Alaska, DNR	State of Alaska, DOT&PF	Large	9.51 Ac.	Large	2008-000159-0	
TR VII, PCL C	Interagency Land Management Agreement (ILMA)	State of Alaska, DNR	State of Alaska, DOT&PF	Large	2.23 Ac.	Large	2008-000159-0	

NOTE: All lands within Township 4 North, Range 89 West, Seward Meridian, Alaska, are part of Public Land Order 4584, Clarence Rhode National Wildlife Range, now known as the Yukon Delta National Wildlife Refuge.

#### HORIZONTAL CONTROL

Coordinate System:

Project coordinates are on a local surface grid coordinate system, expressed in U.S. Survey Feet, developed by McClintock Land Associates, Inc, as shown on the Amended Record of Survey, Survey Control Diagram for Nightmute Airport, recorded on February 1, 2012 as plat 2012-02.

Basis of Coordinates:

The Basis of Coordinates is Point No. 2, "Nitemute-2", a 2 1/2" brass cap set on a 9/16" stainless steel rod. The geodetic position, determined through static GPS observation and subsequent post-processing and OPUS solution, is 60°28'11.5523" North Latitude and 164°42'05.8146" West Longitude (North American Datum 1983—NAD83). The state plane coordinate is 2,365,942.05 feet Northing, 1,874,700.20 feet Easting (Alaska Zone Eight, NAD83). The local coordinate is 76,734.10 feet Northing, 270,011.15 feet Easting.

Basis of Bearings:

Project bearings are NAD83 Alaska State Plane, Zone 8 grid bearings.

Translation Parameters:

To convert from the Local Coordinate System (U.S. feet) to State Plane Coordinates (U.S. Feet), Alaska Zone 8 (NAD83), translate the local coordinates using +2,289,374.0712 feet Northing and +1,604,820.6794 feet Easting; then scale the resulting coordinates using a scale factor of 0.9999297934.

To convert from State Plane Coordinates (U.S. Feet), Alaska Zone 8 (NAD83), to the Local Coordinate System (U.S. feet), scale the state plane coordinates using a scale factor of 1.000070212; then translate the resulting coordinates using -2,289,374.0712 feet Northing and -1,604,820.6794 feet Easting.

#### SURVEY NOTES

- 1. The minimum closure of all traverses meets or exceeds 1:10,000.
- 2. Information hereon is based on an actual field survey conducted by McClintock Land Associates, Inc., during September 1998 and May and June of 2011.
- 3. All monuments shown hereon were found or set during field surveys performed on: September 1998, November and December 2004, May and June 2011.
- 4. Horizontal Control Points were established by using networked static GPS techniques. The network was adjusted using a least squares adjustment constrained to Point No. 2, Nitemute—2, as shown on the Amended Record of Survey, Survey Control Diagram for Nightmute Airport, recorded on February 1, 2012 as plat 2012—02.
- 5. The Basis of Geodetic Control and NAD83 Position is Point No. 2, Nightmute—2, Latitude = 60°28'11.5523" N, Longitude = 164'42'05.8146" W, as shown on the Amended Record of Survey, Survey Control Diagram for Nightmute Airport, recorded on February 1, 2012 as plat 2012—02. The geodetic position was determined through static GPS observation and subsequent post—processing and OPUS solution.
- 6. The bearings shown are local plane bearings as oriented to the State Plane Zone 8 grid Basis of Bearings. The rotation angle between the True Meridian and the local plane bearings on the Basis of Bearing line from Nitemute—2 to Nitemute—1 is  $-01^{\circ}07^{\circ}53^{\circ}$ .
- 7. Corner positions were monumented using RTK GPS methods. The monument positions were then checked by processing static GPS observations and adjusting the resulting network using a simultaneous least squares adjustment.
- 8. A magnetic declination was provided by the State of Alaska, Department of Transportation and Public Facilities, Statewide Design and Engineering Services Division, Central Region Right of Way Section in a memorandum dated November 28, 2005.
- 9. Right—of—Way has been acquired and construction has been completed.
- 10. All dimensions and coordinates shown hereon are in U.S. Survey Feet unless otherwise noted. Distances shown are reduced to horizontal ground distances.
- 11. The natural meanders of the mean high tide line of the Toksook River forms the property boundary as applicable.

#### SURVEY NOTES (continued)

- 12. The boundary that separates Tract I, Parcel A and Tract I, Parcel C is also the boundary line that separates Township 5 North, Range 88 West and Township 4 North, Range 89 West. This line was not surveyed at the time of the original field survey of the airport property plan. This boundary line was recently resurveyed by Charles E. Akin, Jr., in August through September 2005 as part of the survey of U.S. Survey No. 13490.
- 13. The Basis of Stationing is the Nightmute Airport Property Plan, dated 6/21/06.
- 14. All lands within Township 4 North, Range 89 West, Seward Meridian, Alaska, are part of Public Land Order 4584, Clarence National Wildlife Range, now known as the Yukon Delta National Wildlife Refuge.
- 15. The following notes were taken from the Nightmute Airport, Tract I, Property Plan, dated 1/21/1974, latest revision dated 5/02/84. The following notes apply to Tract I, Parcels A and C.
- a) PLO 4584 created Clarence Rhodes National Wildlife Refuge Seward Meridian. 20 year airport lease excludes area within Clarence Rhodes National Wildlife Refuge (NWR), (expired 7/17/1998); 50 year ROW permit to exclude area not in NWR, (expires 3/03/2025).
- b) BLM transferred jurisdiction of lease to US Fish and Wildlife 3/18/82.
- c) US Fish and Wildlife transferred jurisdiction of lease to the Village Corp., NGTA, Inc. on 7/26/83.
- d) US Fish and Wildlife transferred jurisdiction of 50 year ROW Permit to Tooksok Bay Village Corporation (Nunakauiak Yupik Corporation) per Interim Conveyance No. 624 on 7/26/83.
- 16. Tract I (as shown on the Nightmute Airport, Tract I, Property Plan, dated 1/21/1974, latest revision dated 5/02/1984), now a portion of Tract I, Parcel A, delineated on sheet 1 of 3, was granted a ROW permit on 3/04/1975 Permit M—3 for Airport ROW, Signed by US Dept of Interior, Fish and Wildlife Service. Tract I, free use permit to the State of Alaska, Division of Aviation, to use and occupy certain lands for the Clarence Rhodes National Wildlife Refuge for the purpose of establishing, operating and maintaining the Nightmute Airport for a period of 20 years. Book 22, Page 9, 8/25/1976. On 8/25/1976, Amendment #2, Permit M—3 for Airport ROW, US of A, Fish and Wildlife Service, issued a permit for 50 years, which expires on 3/03/2025. Signed by US Dept of Interior, Fish and Wildlife Service. Book 23, Page 51.
- 17. The lakes that form the boundaries of Lot 1, USS 12380, are based on actual field surveys performed by McClintock Land Associates in September, 1999. The remaining unlabeled lake boundaries, including that which defines Tract VII, Parcel C, were provided by the Alaska Department of Transportation and Public Facilities, the source is unknown.
- 18. The purpose of this survey was to monument the boundaries of parcels of land acquired by the State of Alaska, Department of Transportation & Public Facilities, as shown on the Nightmute Airport Property Plan dated 04/10/2006. In addition, the following approved US Surveys control the boundary of several tracts.
- a. The boundary of Tract I Parcel C is contiguous with the record boundary of Lots 1 & 2 as shown on the record plat of USS 12380, approved 12/9/1998.
- b. The boundary of Tract II Parcel A is contiguous with the record boundary of Lots 1 & 2 as shown on the record plat of USS 12380, approved 12/9/1998.
- c. The boundary of Tract II Parcel B is contiguous with the record boundary of Lots 1 & 2 as shown on the record plat of USS 11691, approved 10/16/1995.
- d. No record data is shown from USS 11691 or 12380.

BETHEL RECORDING DISTRICT STATE BUSINESS — NO FEE

DATE	REVISIONS	BY
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STATE OF ALASKA
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RIGHT OF WAY ACQUISITION PLAT

AKSAS Project No. 51809

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DRAWN SKS DATE 5-17-12 SHEET 4 OF 5

CHECKED MM SCALE N/A DNR FILE No. PA20120012

BETHEL RECORDING DISTRICT PLAT 2012-30

