

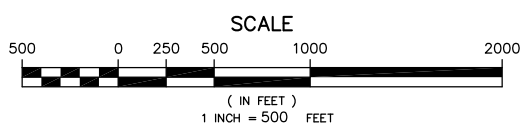
Date Received: 1/31/2019, 3:21 PM
 Layout Name: S1
 File Path and Name:

PROPERTY STATUS									
PARCEL NUMBER	INTEREST ACQUIRED	GRANTOR	GRANTEE	LARGER PARCEL AREA	NET TAKE	REMAINDER	DATE ACQUIRED	RECORDED DOCUMENT NO.	ACQUIRED UNDER A.D.A. / A.I.P. NO.
PARCEL 1	FEE - SURFACE ESTATE	NEWTOK NATIVE CORP.	STATE OF ALASKA, DOT&PF	LARGE	524.16 Ac.±	LARGE	XX/XX/XXXX	BK X, PG XXX	X-XX-XXXX-XX
	FEE - SUBSURFACE ESTATE								
PARCEL 2	FEE - SURFACE ESTATE	NEWTOK NATIVE CORP.	STATE OF ALASKA, DOT&PF	35.96 Ac.±	4.75 Ac.±	31.21 Ac.±	XX/XX/XXXX	BK XX, PG XXX	X-XX-XXXX-XX
	FEE - SUBSURFACE ESTATE								
PARCEL 3	FEE - SURFACE ESTATE	NEWTOK NATIVE CORP.	STATE OF ALASKA, DOT&PF	LARGE	0.74 Ac.±	LARGE	XX/XX/XXXX	BK XX, PG XXX	X-XX-XXXX-XX
	FEE - SUBSURFACE ESTATE								

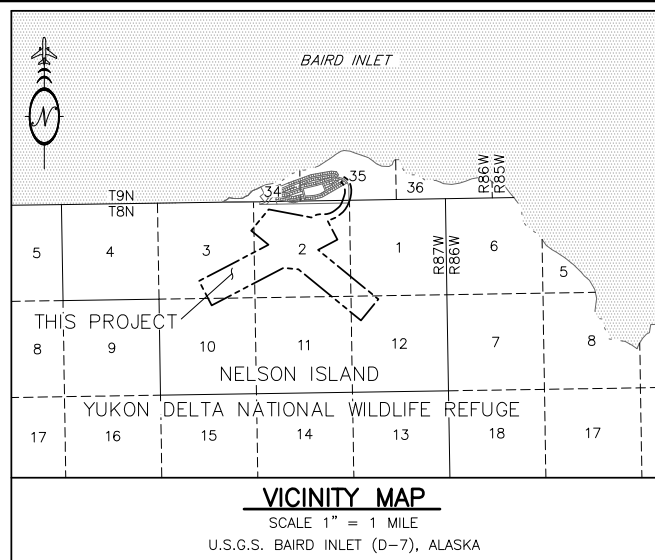
AIRPORT CONTROL					
POINT	RUNWAY CENTERLINE		NORTHING	EASTING	DESCRIPTION
	STATION	OFFSET			
3	117+56.44	3181.05' LT.	234635.3347	580532.3772	FND BC[R&M]: MERT 3
4	99+37.03	215.65' RT.	233157.9644	576973.5525	FND BC[R&M]: MERT 4
551	107+00.19	231.20' LT.	233020.6877	577847.1948	SET SS ROD [R&M]:
552	124+36.21	218.99' LT.	231912.1443	579183.2458	SET SS ROD [R&M]:
553	102+72.26	805.58' RT.	232489.0884	576859.5569	SET SS ROD [R&M]:

NOTES

- SEE SHEET 2 FOR FOUND MONUMENT COORDINATE TABLE.
- SEE SHEET 3 FOR GENERAL SURVEY NOTES, MONUMENT CAP DETAILS, AND HORIZONTAL & VERTICAL CONTROL STATEMENTS.

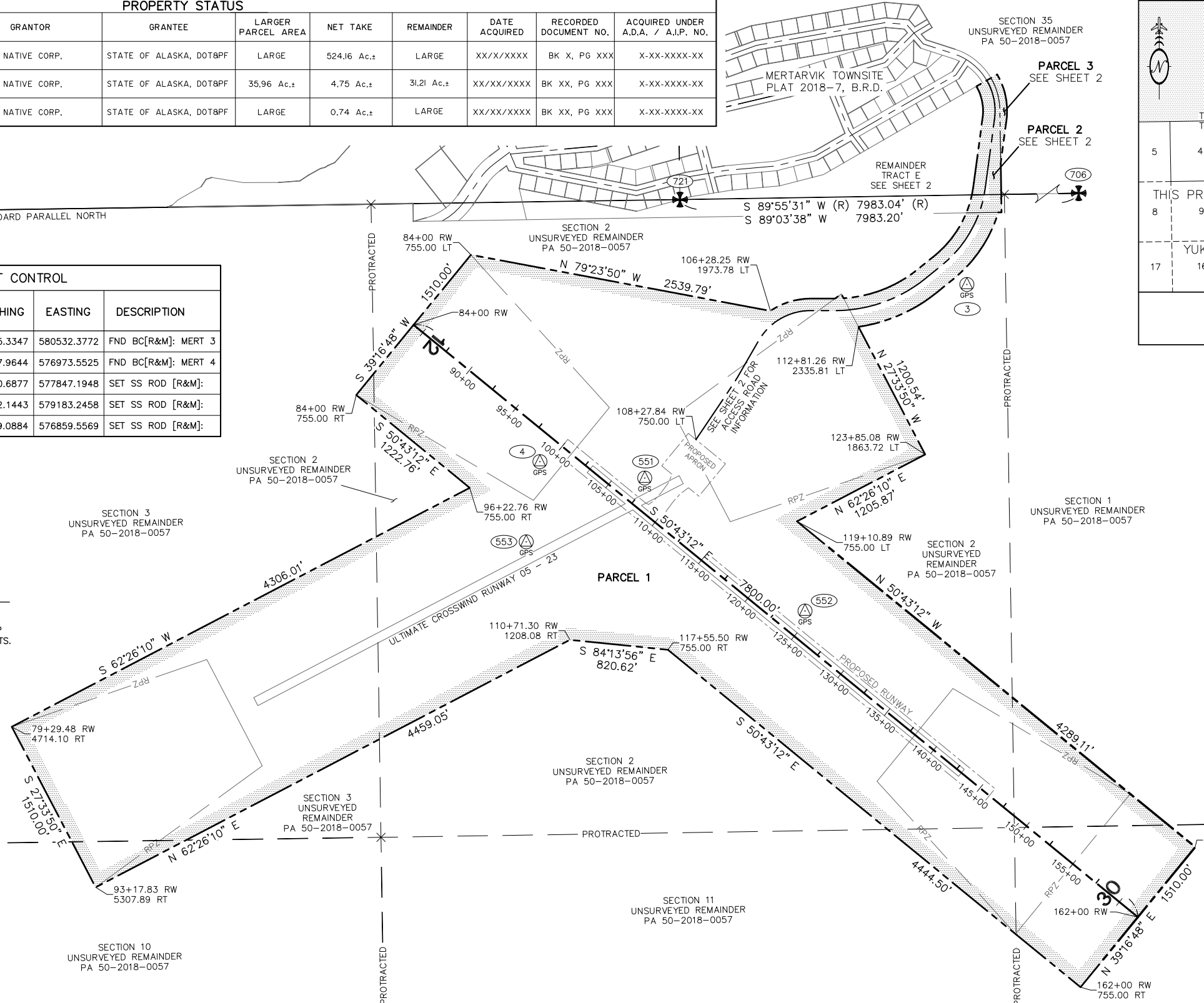


MAGNETIC DECLINATION
 10°04' EAST, OCTOBER 2018,
 NOAA MODEL WMM2015



LEGEND

- RECOVERED BLM MONUMENT
- RECOVERED/SET PROJECT CONTROL
- MONUMENT POINT NUMBER
- COMPUTED POSITION, NOTHING FOUND OR SET
- 755.00' MEASURED THIS SURVEY
- (R) RECORD PER PLAT 2018-7, B.R.D.
- RW RUNWAY 12/30 ALIGNMENT
- AR ACCESS ROAD ALIGNMENT
- B.R.D. BETHEL RECORDING DISTRICT
- PA PATENT
- FEE TITLE
- AIRPORT BOUNDARY
- PARCEL BOUNDARY
- RUNWAY CENTERLINE



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.

COMMISSIONER _____ DATE _____

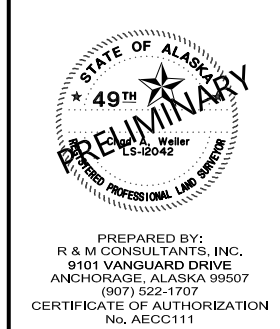
TAX CERTIFICATE

THIS RIGHT-OF-WAY ACQUISITION PLAT IS NOT SUBJECT TO TAXATION, AT THE TIME OF FILING.

SURVEYOR'S 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, AND THAT THE MONUMENTS SHOWN HEREON ACTUALLY EXIST AS DESCRIBED, AND THAT ALL DIMENSIONS AND OTHER DETAILS ARE CORRECT TO THE EXTENT SHOWN HEREON.

CHAD A. WEILER LS-12042 DATE _____



PREPARED BY:
 R & M CONSULTANTS, INC.
 9101 VANGUARD DRIVE
 ANCHORAGE, ALASKA 99507
 (907) 522-1707
 CERTIFICATE OF AUTHORIZATION
 No. AECC111

STATE BUSINESS - NO FEE

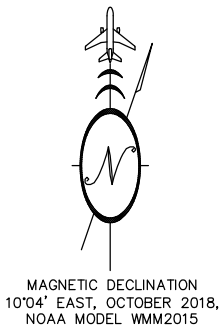
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 &
 PUBLIC FACILITIES
 RIGHT-OF-WAY ACQUISITION PLAT
 NEWTOK AIRPORT

PROJECT No. CFAPT00310/AIP 3-02-0194-XXX-20XX

LOCATED WITHIN PROTRACTED SECTIONS 1,2,3,10,11,12 T.9N., R.87W., &
 PROTRACTED SECTION 35 T.9N., R.86W., S.M. ALASKA
 BETHEL RECORDING DISTRICT

DRAWN: CAW	DATE: JANUARY 2019	SHEET: 1 OF 3
CHECKED: BRM	SCALE: 1" = 500'	DNR FILE No. PAXXXXXXX

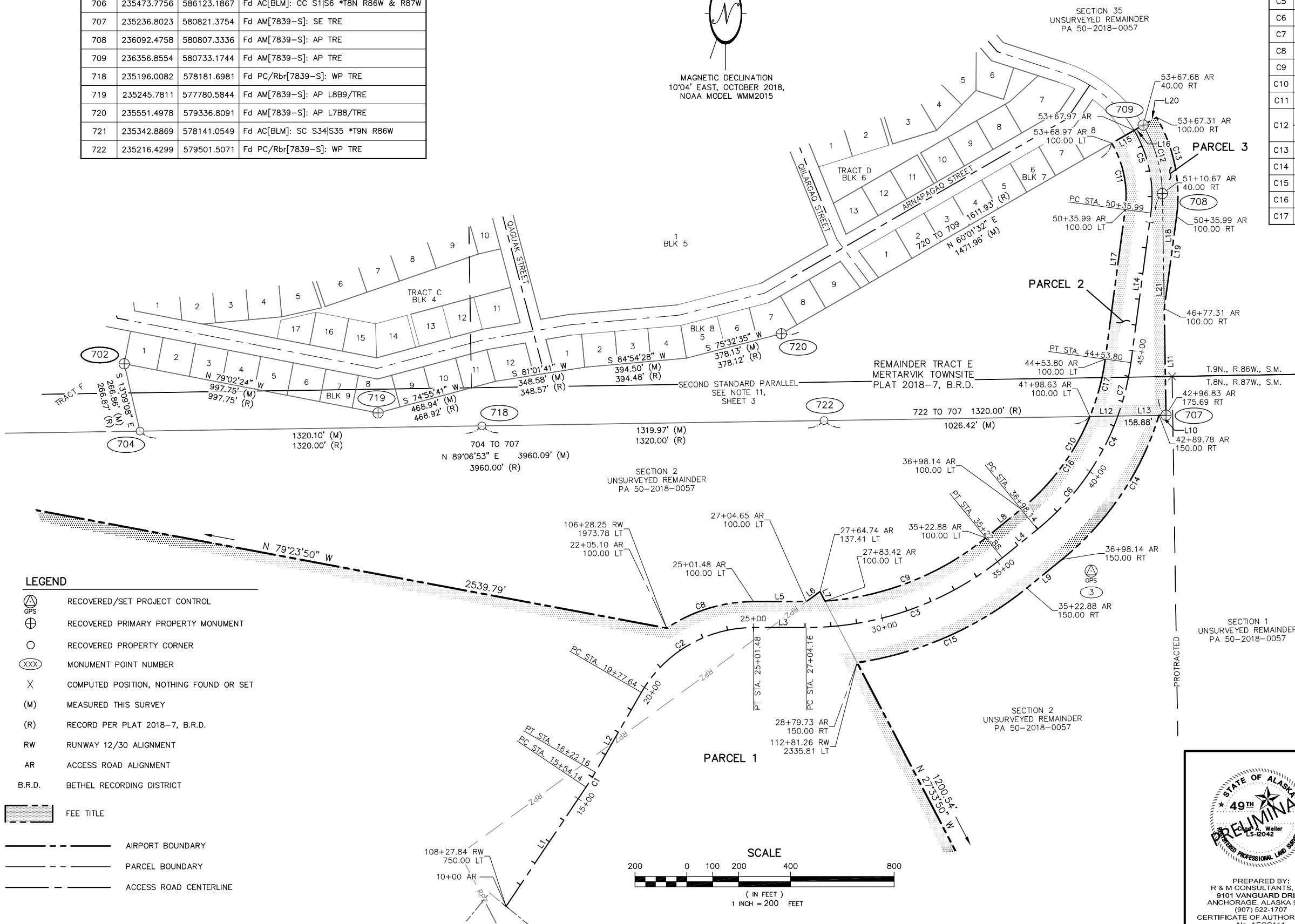
MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
702	235435.4768	576801.0351	Fd AM[7839-S]: AP TRE/L1B9
703	235160.9887	575918.0918	Fd AM[7839-S]: AP TRA
704	235175.6193	576861.7558	Fd PC/Rbr[7839-S]: SW TRE
706	235473.7756	586123.1867	Fd AC[BLM]: CC S1 S6 *T8N R86W & R87W
707	235236.8023	580821.3754	Fd AM[7839-S]: SE TRE
708	236092.4758	580807.3336	Fd AM[7839-S]: AP TRE
709	236356.8554	580733.1744	Fd AM[7839-S]: AP TRE
718	235196.0082	578181.6981	Fd PC/Rbr[7839-S]: WP TRE
719	235245.7811	577780.5844	Fd AM[7839-S]: AP L8B9/TRE
720	235551.4978	579336.8091	Fd AM[7839-S]: AP L7B8/TRE
721	235342.8869	578141.0549	Fd AC[BLM]: SC S34 S35 *T9N R86W
722	235216.4299	579501.5071	Fd PC/Rbr[7839-S]: WP TRE



NOTES
 1. SEE SHEET 3 FOR GENERAL SURVEY NOTES, MONUMENT CAP DETAILS, AND HORIZONTAL & VERTICAL CONTROL STATEMENTS.

CURVE DATA					
C#	DELTA	RADIUS	ARC LENGTH	CHORD	CHORD BEARING
C1	3°53'51"	1000.00'	68.03'	68.01'	N 31°55'10" E
C2	60°01'37"	500.00'	523.83'	500.20'	N 59°59'03" E
C3	39°05'27"	1200.00'	818.72'	802.93'	N 70°27'07" E
C4	43°17'46"	1000.00'	755.66'	737.81'	N 29°15'31" E
C5	38°02'32"	500.00'	331.98'	325.92'	N 11°24'38" W
C6	31°06'02"	1000.00'	542.81'	536.17'	N 35°21'23" E
C7	12°11'44"	1000.00'	212.85'	212.45'	N 13°42'30" E
C8	33°57'43"	600.00'	355.65'	350.47'	S 73°01'00" W
C9	35°18'23"	1100.00'	677.83'	667.16'	S 68°33'35" W
C10	43°17'46"	900.00'	680.09'	664.03'	S 29°15'31" W
C11	38°09'23"	400.00'	266.38'	261.49'	S 11°28'04" E
C12	29°27'27"	540.00'	277.63'	274.58'	N 15°40'08" W
	29°26'59" (R)		277.56' (R)	274.51' (R)	
C13	37°57'57"	600.00'	397.58'	390.34'	N 11°22'21" W
C14	33°53'55"	1150.00'	680.39'	670.51'	N 33°57'26" E
C15	30°42'29"	1350.00'	723.54'	714.91'	N 66°15'38" E
C16	28°40'34"	900.00'	450.44'	445.76'	N 36°34'07" E
C17	14°37'12"	900.00'	229.65'	229.03'	N 14°55'14" E

LINE DATA		
L#	BEARING	DISTANCE
L1	N 33°52'06" E	554.14'
L2	N 29°58'14" E	355.48'
L3	N 89°59'51" E	202.68'
L4	N 50°54'24" E	175.26'
L5	S 89°59'51" W	203.13'
L6	S 53°54'19" W	65.81'
L7	N 27°33'50" W	41.02'
L8	S 50°54'24" W	175.26'
L9	N 50°54'24" E	175.26'
L10	N 89°06'53" E	26.97'
L11	N 00°56'25" W	411.88'
L12	N 89°06'53" E	107.76'
L13	N 89°06'53" E	185.85'
L14	N 07°36'38" E	582.20'
L15	N 60°01'32" E	100.00'
L16	N 60°01'32" E	40.00'
L17	S 07°36'38" W	582.20'
L18	N 00°56'25" W	443.91'
L19	N 07°36'38" E	358.69'
L20	N 60°01'32" E	60.00'
L21	S 00°56'25" E	855.79'
L22	S 00°56'25" W	855.79' (R)



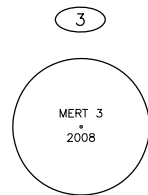
- LEGEND**
- RECOVERED/SET PROJECT CONTROL
 - RECOVERED PRIMARY PROPERTY MONUMENT
 - RECOVERED PROPERTY CORNER
 - MONUMENT POINT NUMBER
 - COMPUTED POSITION, NOTHING FOUND OR SET
 - MEASURED THIS SURVEY
 - RECORD PER PLAT 2018-7, B.R.D.
 - RUNWAY 12/30 ALIGNMENT
 - ACCESS ROAD ALIGNMENT
 - BETHEL RECORDING DISTRICT
 - FEE TITLE
 - AIRPORT BOUNDARY
 - PARCEL BOUNDARY
 - ACCESS ROAD CENTERLINE

STATE OF ALASKA
 49th
PRELIMINARY
 R & M CONSULTANTS, INC.
 9101 VANGUARD DRIVE
 ANCHORAGE, ALASKA 99507
 (907) 522-1707
 CERTIFICATE OF AUTHORIZATION
 No. AECC111

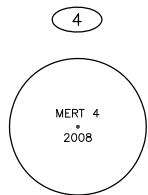
STATE BUSINESS - NO FEE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 &
 PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
NEWTOK AIRPORT
 PROJECT No. CFAPT00310/AIP 3-02-0194-XXX-20XX
 LOCATED WITHIN PROTRACTED SECTIONS 1,2,3,10,11,12 T.9N., R.87W., &
 PROTRACTED SECTION 35 T.9N., R.86W., S.M. ALASKA
 BETHEL RECORDING DISTRICT

DRAWN: CAW	DATE: JANUARY 2019	SHEET: 2 OF 3
CHECKED: BRM	SCALE: 1" = 200'	DNR FILE No. PAXXXXXXX



FOUND 3-1/4" BRASS CAP ON STAINLESS STEEL ROD INSIDE A PVC PIPE.

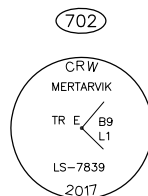


FOUND 3-1/4" BRASS CAP ON STAINLESS STEEL ROD 0.5' ABOVE GRADE. ORANGE CARSONITE MARKER 0.4' IN A SOUTHEASTERLY DIRECTION.

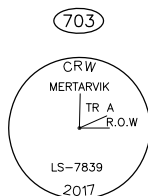
551 SET 9/16" STAINLESS STEEL ROD 17' DEEP WITH A 36" GREASE FILLED FIN SLEEVE BEDED IN SAND, ALL OF WHICH SET INSIDE A 6" PVC PIPE ENCASED IN CONCRETE, A LOGO CAP ADHERED TO THE PVC AND STAMPED WITH THE FOLLOWING: "R&M CONSULTANTS, INC. EWU D, SURVEY MARK 2018". DATUM POINT IS 0.2' BELOW RIM OF CASE. ORANGE CARSONITE MARKER SET NEARBY. BASIS OF COORDINATES

552 SET 9/16" STAINLESS STEEL ROD 15.7' DEEP WITH A 36" GREASE FILLED FIN SLEEVE BEDED IN SAND, ALL OF WHICH SET INSIDE A 6" PVC PIPE ENCASED IN CONCRETE, A LOGO CAP ADHERED TO THE PVC AND STAMPED WITH THE FOLLOWING: "R&M CONSULTANTS, INC. EWU E, SURVEY MARK 2018". DATUM POINT IS 0.3' BELOW RIM OF CASE. ORANGE CARSONITE MARKER SET NEARBY.

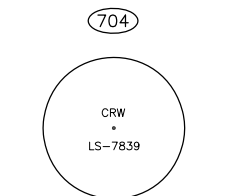
553 SET 9/16" STAINLESS STEEL ROD 10.5' DEEP WITH A 36" GREASE FILLED FIN SLEEVE BEDED IN SAND, ALL OF WHICH SET INSIDE A 6" PVC PIPE ENCASED IN CONCRETE, A LOGO CAP ADHERED TO THE PVC AND STAMPED WITH THE FOLLOWING: "R&M CONSULTANTS, INC. EWU F, SURVEY MARK 2018". DATUM POINT IS 0.3' BELOW RIM OF CASE. ORANGE CARSONITE MARKER SET NEARBY.



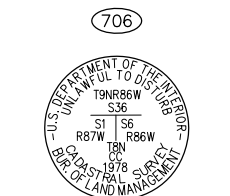
FOUND 3-1/4" ALUMINUM CAP ON 2-1/2" ALUMINUM POST 0.7' ABOVE GRADE. ORANGE CARSONITE MARKER 1' NORTH FROM MONUMENT.



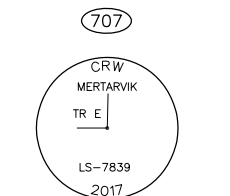
FOUND 3-1/4" ALUMINUM CAP ON 2-1/2" ALUMINUM POST FLUSH WITH GRADE. ORANGE CARSONITE MARKER 1' NORTH FROM MONUMENT.



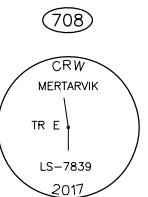
FOUND 1-1/4" YELLOW PLASTIC CAP ON 5/8" REBAR 0.2' ABOVE GRADE.



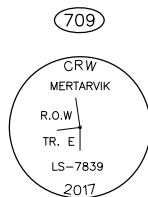
FOUND 3-1/4" ALUMINUM CAP ON 5/8" ALUMINUM ROD 0.3' ABOVE GRADE.



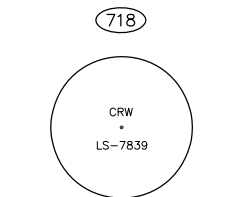
FOUND 3-1/4" ALUMINUM CAP ON 2-1/2" ALUMINUM POST 0.3' ABOVE GRADE AND SLIGHTLY LEANING IN A SOUTHERLY DIRECTION. ORANGE CARSONITE MARKER NEARBY.



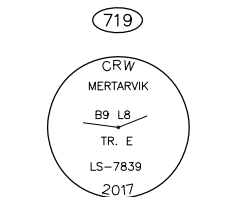
FOUND 3-1/4" ALUMINUM CAP ON 2-1/2" ALUMINUM POST 0.3' ABOVE GRADE AND SLIGHTLY LEANING IN A WESTERLY DIRECTION. ORANGE CARSONITE MARKER NEARBY.



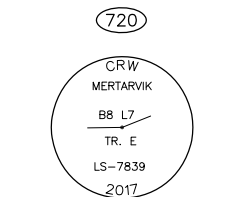
FOUND 3-1/4" ALUMINUM CAP ON 2-1/2" ALUMINUM POST 0.2' ABOVE GRADE WITH ROCK CAIRN SET AT BASE OF CAP. ORANGE CARSONITE MARKER NEARBY.



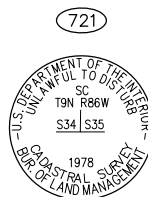
FOUND 1-1/4" YELLOW PLASTIC CAP ON 5/8" REBAR 0.3' ABOVE GRADE.



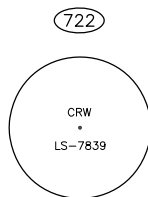
FOUND 3-1/4" ALUMINUM CAP ON 2-1/2" ALUMINUM POST 0.3' ABOVE GRADE. ORANGE CARSONITE MARKER NEARBY.



FOUND 3-1/4" ALUMINUM CAP ON 2-1/2" ALUMINUM POST 0.4' ABOVE GRADE. ORANGE CARSONITE MARKER NEARBY.



FOUND 3-1/4" ALUMINUM CAP ON 5/8" ALUMINUM ROD 1.0' ABOVE GRADE.



FOUND 1-1/4" YELLOW PLASTIC CAP ON 5/8" REBAR 0.3' ABOVE GRADE.

HORIZONTAL CONTROL STATEMENT

COORDINATE SYSTEM:
THIS PROJECT IS LOCATED ENTIRELY WITHIN THE "AK WEST COAST 2015" LOW DISTORTION PROJECTION (LDP), WHICH WAS DEVELOPED BY THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES (AKDOT&PF).

AK WEST COAST 2015 LDP DEFINITION:
LINEAR UNITS: U.S. SURVEY FEET (USFt)
DATUM: NAD83(2011) EPOCH 2010.0000
PROJECTION: TRANSVERSE MERCATOR
LATITUDE OF LOCAL ORIGIN: 61°00'00" NORTH (61.0°)
LONGITUDE OF LOCAL ORIGIN: 165°30'00" WEST (-165.5°)
FALSE NORTHING: 300,000.0000 USFt
FALSE EASTING: 400,000.0000 USFt
GRID SCALE FACTOR: 0.99999
SEMI-MAJOR AXIS (M): 6,378,137.0
INVERSE FLATTENING: 298.257222101

THE BASIS OF COORDINATES IS POINT NO. 551, A SET 9/16" STAINLESS STEEL ROD, ENCASED IN A 6" PVC PIPE WITH AN ALUMINUM LOGO CAP STAMPED "R&M CONSULTANTS, INC. EWU D, SURVEY MARK 2018". THE GEODETIC POSITION WAS ESTABLISHED BY AVERAGING SEVEN OPUS SOLUTIONS, ALL OF WHICH BASED UPON AT LEAST 8-HOURS OF STATIC GPS OBSERVATION TIME. SAID BASIS OF COORDINATES HAS THE FOLLOWING COORDINATES:

NAD83(2011) EPOCH 2010.0000 GEODETIC COORDINATES (AVERAGED):
LAT.=60°48'47.12421" NORTH,
LONG.=164°30'14.23504" WEST,
ELLIPSOID HEIGHT = 366.94 USFt

PROJECT COORDINATES:
N=233,020.6877 USFt
E=577,847.1948 USFt

BASIS OF BEARINGS:
PROJECT BEARINGS ARE AK WEST COAST 2015 LDP GRID BEARINGS.

NOTES

1. THE INFORMATION SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY R&M CONSULTANTS, INC. (R&M) AUGUST 16, 2018 THRU AUGUST 23, 2018. FIELD SURVEY INFORMATION CAN BE FOUND IN R&M FIELD BOOK NO. 2652.01, PAGES 1 THRU 26.
2. HORIZONTAL POSITIONS OF CONTROL POINTS WERE DETERMINED BY A CONSTRAINED LEAST-SQUARES ADJUSTED GNSS NETWORK UTILIZING TRIMBLE R10 MULTI-FREQUENCY GNSS RECEIVERS IN TRIMBLE BUSINESS CENTER VER. 4.10.
3. ALL DIMENSIONS, COORDINATES, AND ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET, UNLESS OTHERWISE NOTED.
4. ALL COORDINATES AND DIMENSIONS SHOWN HEREON SHOULD BE VERIFIED IN THE FIELD BEFORE USE.
5. ALL RECORD DOCUMENTS SHOWN HEREON ARE RECORDED IN THE BETHEL RECORDING DISTRICT UNLESS NOTED OTHERWISE.
6. SEE REFERENCE RECORDED IN BRISTOL BAY RECORDING DISTRICT: SURVEY CONTROL DIAGRAM, RECORD OF SURVEY MERTARVIK BARGE LANDING SITE, RECORDED AS PLAT NO. 2008-13.
7. SEE REFERENCES RECORDED IN BETHEL RECORDING DISTRICT: SURVEY CONTROL DIAGRAM, RECORD OF SURVEY MERTARVIK WATERFRONT DEVELOPMENT HYDROGRAPHIC SURVEY, RECORDED AS PLAT NO. 2012-36; RECORD OF SURVEY ADL 230403, MERTARVIK BARGE LANDING SITE PUBLIC ACCESS EASEMENT, RECORDED AS PLAT NO. 2013-13; RECORD OF SURVEY, MERTARVIK TOWNSITE SUBDIVISION SURVEY CONTROL, RECORDED AS PLAT NO. 2018-2; PLAT OF MERTARVIK TOWNSITE SUBDIVISION, RECORDED AS PLAT NO. 2018-7.
8. THE ERROR OF CLOSURE OF THIS SURVEY DOES NOT EXCEED 1:5000.
9. THE RIGHT OF WAY ACQUISITION FOR THE PARCELS SHOWN HEREON SHOULD BE FINALIZED BY THE END OF YEAR 2019.
10. THE CONSTRUCTION FOR THIS PROJECT SHOULD TENTATIVELY BE COMPLETED BY THE END OF YEAR 2021.
11. THE BOUNDARY LINE THAT WOULD HAVE BEEN CREATED BY THE SECOND STANDARD PARALLEL WITHIN THE MERTARVIK TOWNSITE WAS VACATED ON PLAT 2018-7 RECORDED IN THE BETHEL RECORDING DISTRICT.
12. THE BEARINGS SHOWN ARE LOCAL PLANE BEARINGS AS ORIENTED TO THE "AK WEST COAST 2015" LDP, UNLESS NOTED OTHERWISE. THE ROTATION ANGLE BETWEEN THE RECORD PLAT FOR THE MERTARVIK TOWNSITE RECORDED AS PLAT 2018-7 IN THE B.R.D., AND THE LOCAL PLANE LDP BEARINGS BETWEEN POINTS 721 AND 706 AS SHOWN HEREON IS 0°51'53" COUNTER-CLOCKWISE.

VERTICAL CONTROL STATEMENT

THE VERTICAL DATUM FOR THIS SURVEY IS NAVD88 (GEOID12B). THE BASIS OF VERTICAL CONTROL IS THE BASIS OF COORDINATES AS DESCRIBED ABOVE. THE ORTHOMETRIC HEIGHT FOR THIS POINT WAS ESTABLISHED BY AN AVERAGE OF SEVEN OPUS SOLUTIONS, ALL OF WHICH HAD A MINIMUM OF 8-HOURS OF STATIC GPS OBSERVATIONS. THE NAVD88 ORTHOMETRIC HEIGHT IS BASED UPON THE GEOID12B MODEL AND WAS AVERAGED AS 335.54 USFt.

PREVIOUS SURVEYS IN THE AREA USED THE MEAN LOWER LOW WATER (MLLW) DATUM WHICH WAS DETERMINED BY NINE DAYS OF TIDAL OBSERVATIONS BY R&M CONSULTANTS, INC. BETWEEN JUNE 9 AND JUNE 17, 2008. OBSERVATIONS WERE CORRELATED TO NOAA TIDE STATION "VILLAGE COVE 946-4212", LOCATED IN ST. PAUL ALASKA, AND PROCESSED BY JOHN OSWALD AND ASSOCIATES, LLC.

MHHW = 4.96'
MHW = 4.81'
MLW = 0.50'
MLLW = 0.00'

MLLW ELEVATIONS CAN BE OBTAINED BY SUBTRACTING 0.72 FEET FROM THE NAVD88 (GEOID12B) ELEVATIONS. SEE RECORD OF SURVEY TITLED "MERTARVIK TOWNSITE SUBDIVISION - SURVEY CONTROL", RECORDED AS PLAT NO. 2018-2, IN THE BETHEL RECORDING DISTRICT.

STATE BUSINESS - NO FEE

	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES RIGHT-OF-WAY ACQUISITION PLAT NEWTOK AIRPORT PROJECT No. CFAPT00310/AIP 3-02-0194-XXX-20XX</p>	
	<p>LOCATED WITHIN PROTRACTED SECTIONS 1,2,3,10,11,12 T.8N., R.87W., & PROTRACTED SECTION 35 T.9.N., R86W., S.M. ALASKA BETHEL RECORDING DISTRICT</p>	
<p>PREPARED BY: R & M CONSULTANTS, INC. 9101 VANGUARD DRIVE ANCHORAGE, ALASKA 99507 (907) 522-1707 CERTIFICATE OF AUTHORIZATION No. AECC111</p>	<p>DATE: JANUARY 2019 SCALE: N/A</p>	<p>SHEET: 3 OF 3 DNR FILE NO. PAXXXXXXX</p>

DRAWN: CAW
CHECKED: BRM