

Horizontal Control

- A local surface plane coordinate system based on a series of least square adjusted static GPS observations performed by McClintock Land Associates. NGS Station "BOB", a 3 1/2" Brass Tablet in a 6" x 9" concrete post has a NAD83(CORS96)(EPOCH:2003.0000) geodetic position of 52°12'5.8182" North, 174°11'46.9733" West, determined with multiple static GPS observations with an average OPUS solution.
- Point 101, a found 1 1/2" Aluminum Cap monument at the North end of the existing runway was assigned local coordinates of N 50000.00', E 150000.00'. Point 102, a found Rebar at the South end of the runway, bears S 11°40'33" E 3520.25 feet and has coordinates of N 46552.59', E 150712.41'. Said line is the Basis of Bearings. All bearings shown are local bearings as oriented to the Basis of Bearings and the distances shown are local horizontal ground distances.
- Conversion from Alaska State Plane Zone 10, NAD83(CORS96) Feet to Local Feet:
 - Scale State Plane Coordinates using 1.000111368
 - Translate resulting coordinates using -402376.61N; -3532902.05E
 - Rotate resulting coordinates around point 101, by 1°25'43.0977" Clockwise

Conversion from Local Feet to Alaska State Plane Zone 10, NAD83(CORS96) Feet:

- Rotate resulting coordinates around point 101, by 1°25'43.0977" Counter-Clockwise
- Translate resulting coordinates using +402376.61N; +3532902.05E
- Scale Local Coordinates using 0.999888644

Vertical Control

- The vertical datum is NAVD88(GEIOD99), established with an averaged OPUS orthometric solution at NGS Control Station "BOB" of 193.81 feet. The survey network's vertical control was supplemented with a series of (6) set 3/8"x30" Rebar, through which differential levels were run with a tie to "BOB".

Notes

- The information shown hereon is resultant of field surveys performed by McClintock Land Associates in May and October of 2001, and July of 2002. Javad dual frequency GPS receivers with Javad "Legant" antennas were utilized in a combination of Real Time Kinematic and Static positioning procedures. Hand-held Ranger controllers were used with these as well as with the Topcon 211B and 211D Total Stations which were also utilized during the survey.
- Whether listed or not, all monuments or property markers, corners, or accessories which will be disturbed or buried, shall be referenced and re-established in their original position (A.S. 19.10.260) and recorded (A.S. 34.65.040).
- See sheet 2 for monument descriptions and coordinate tables.

SURVEYOR CERTIFICATE

I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this drawing 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.

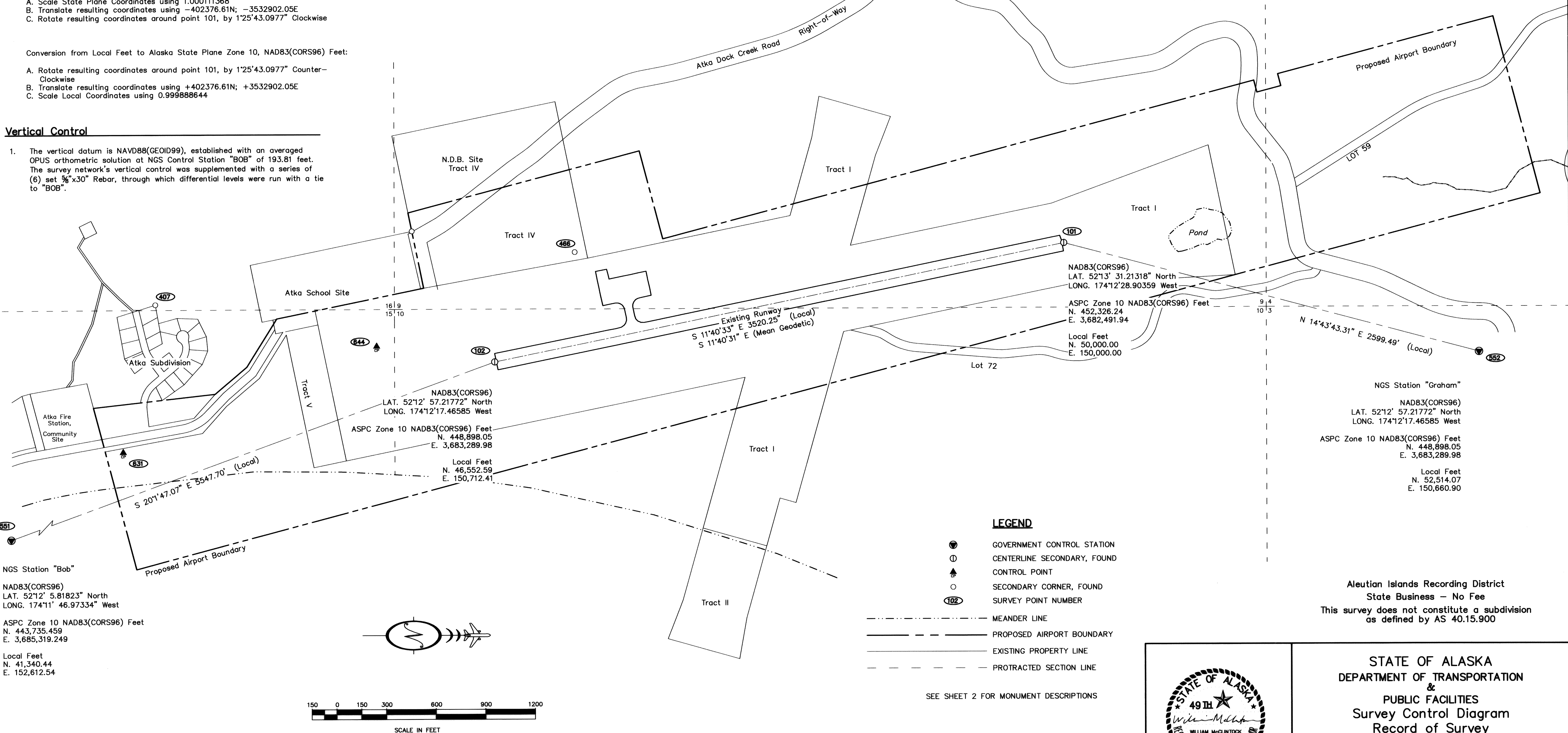
12-28-05 LS 5480
Date Registration Number
William McClintock
WILLIAM MCCLINTOCK Registered Land Surveyor

VICINITY MAP

Scale: 1" = 1 Mile

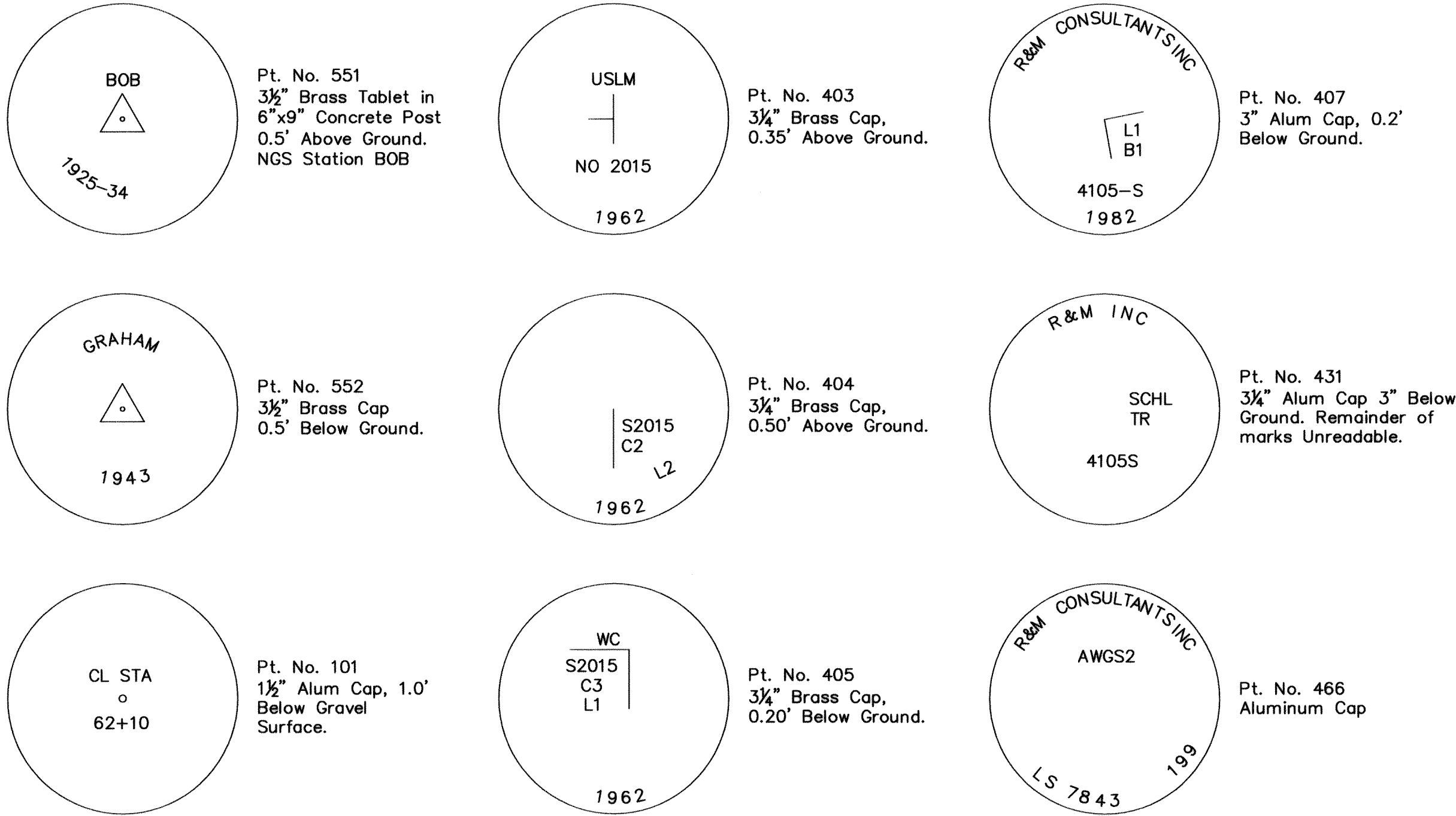
Source:
U.S.G.S. Quadrangle Atka
1:250,000
Located within partially
surveyed T92S, R176W
Seward Meridian Alaska,
Aleutian Islands Recording
District

SEC. 32	SEC. 33	SEC. 34	T.91S.	SEC. 36	
			T.92S.		
SEC. 5	SEC. 4	SEC. 3	SEC. 2	SEC. 1	R.176W.
					B.175W.
SEC. 8	SEC. 9	SEC. 10	SEC. 11	SEC. 12	
	Atka Airport		NAZAN BAY		
SEC. 17	Atka School	SEC. 15	SEC. 14	SEC. 13	
	SEC. 16				
SEC. 20	Atka Village	SEC. 22	SEC. 23	SEC. 24	



DWG Path: Y:\01-152 Atka Airport CAD\01-152 Survey Control Diagram

Monument Cap Markings



Horizontal Control					
Point	Northing	Easting	Elevation	Vertical Source	Description
101	50000.00	150000.00	44.19	Post-Processed Static GPS	Alum. Cap, CL Station 62+10, North end offRunway
102	46552.59	150712.41	35.36	Post-Processed Static GPS	3/8" Rebar, found at South end of Runway
403	40545.92	151852.68	110.66	Post-Processed Static GPS	Brass Cap, USLM No 2015
404	40469.98	152084.17	42.74	Post-Processed Static GPS	Brass Cap, C2, L2 US Survey 20152
405	40434.98	152245.13	32.75	Post-Processed Static GPS	Brass Cap, WC3, US Survey 2015
407	44497.64	150362.72	67.81	Post-Processed Static GPS	Aluminum Cap, L1, B1 Atka Subdivision
431	46051.98	149922.73	30.07	Post-Processed Static GPS	Aluminum Cap, C4 Atka School Site
466	47038.77	150050.29	39.63	Differential Level	Aluminum Cap, Reference Monument
551	41340.44	152612.54	193.81	OPUS Solution	Brass Tablet, "Bob" US Coast and Geodetic Survey
552	52514.07	150660.90	106.84	Post-Processed Static GPS	Brass Cap, "Graham" US Coast and Geodetic Survey
631	44301.38	151254.59	37.13	Differential Level	3/8" x 30" Rebar (set this survey)
633	42769.20	151992.26	20.35	Differential Level	3/8" x 30" Rebar (set this survey)
639	40556.07	152662.17	126.74	Differential Level	3/8" x 30" Rebar (set this survey)
642	41036.07	152131.96	108.96	Differential Level	3/8" x 30" Rebar (set this survey)
643	41934.80	152307.59	84.03	Differential Level	3/8" x 30" Rebar (set this survey)
644	45837.45	150617.26	43.33	Differential Level	3/8" x 30" Rebar (set this survey)

Vertical Control					
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Pt. 551 (Station "BOB") is the primary vertical control for this survey. The remaining listed vertical control is considered secondary and should be verified before use.

Recovered Corners					
Point	Northing	Easting	Elevation	Description	
404	40469.98	152084.17	42.74	Brass Cap, C2, L2 US Survey 20152	
405	40434.98	152245.13	32.75	Brass Cap, WC3, US Survey 2015	
407	44497.64	150362.72	67.81	Aluminum Cap, L1, B1 Atka Subdivision	
431	46051.98	149922.73	30.07	Aluminum Cap, C4 Atka School Site	

2006-2
Aleut. Isl. REC DIST
Date 1-3-2006
Time 11:13 A.M.
Requested By DOT
Address

Aleutian Islands Recording District
State Business - No Fee
This survey does not constitute a subdivision
as defined by AS 40.15.900



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
Survey Control Diagram
Record of Survey
AKSAS Project No. 55291
Atka Airport
Within Sections 3, 4, 9, 10, 15 and 16
T.92S. R.176W. S.M. AK.

DRAWN: CEH	DATE: 12-27-05	SCALE
CHECKED: WM	DATE: 12-27-05	SHEET 2 OF 2