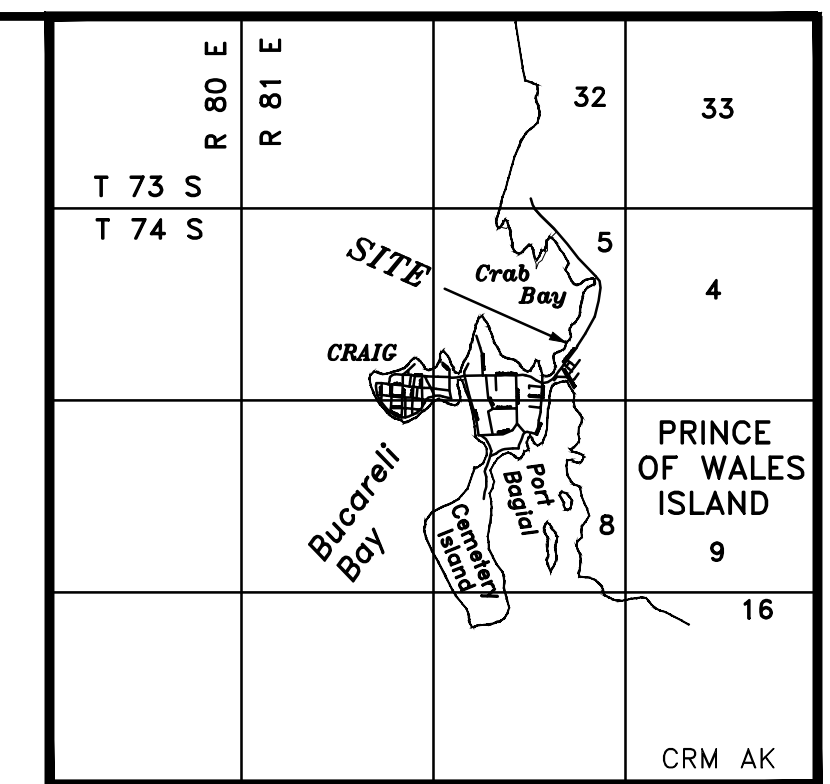
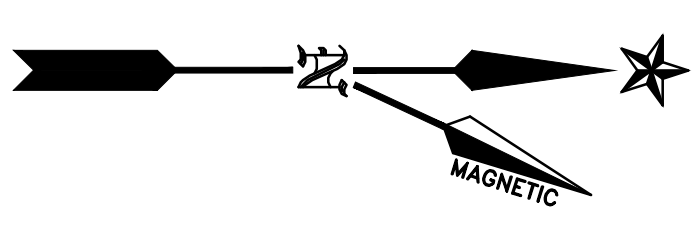


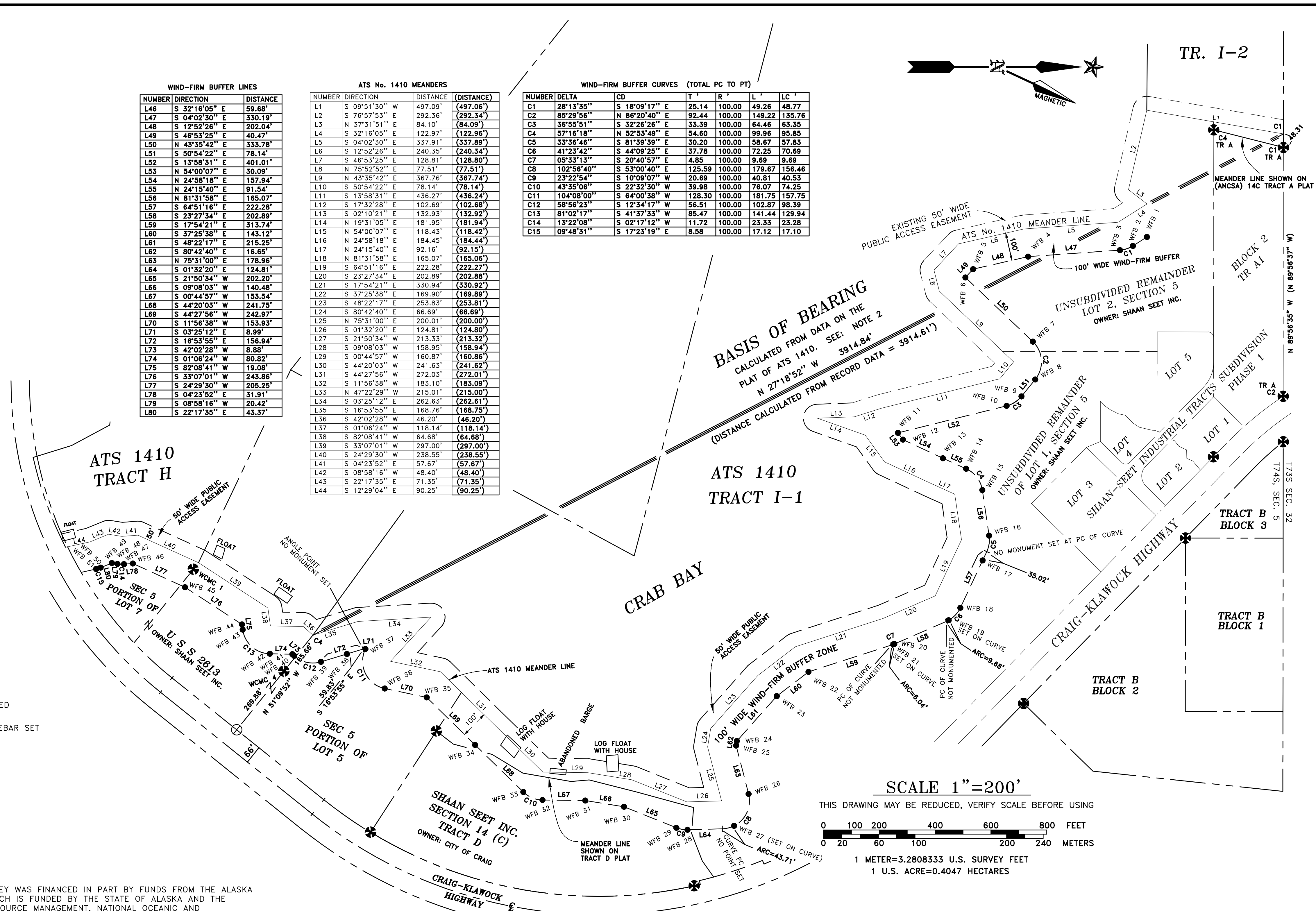
NUMBER	DIRECTION	DISTANCE
L46	S 32°16'05" E	59.88'
L47	S 04°02'30" E	330.19'
L48	S 12°52'26" E	202.04'
L49	S 46°53'25" E	40.47'
L50	N 43°55'42" E	333.78'
L51	S 50°54'22" E	78.14'
L52	S 13°58'31" E	401.01'
L53	N 54°00'07" E	30.09'
L54	N 24°58'18" E	157.94'
L55	N 24°15'40" E	91.54'
L56	N 81°31'58" E	165.07'
L57	S 64°51'16" E	222.28'
L58	S 23°27'34" E	202.89'
L59	S 17°54'21" E	313.74'
L60	S 37°25'38" E	143.12'
L61	S 48°22'17" E	215.25'
L62	S 80°42'40" E	16.65'
L63	N 75°31'00" E	178.96'
L64	S 01°32'20" E	124.81'
L65	S 21°50'34" W	202.20'
L66	S 09°08'03" W	140.48'
L67	S 00°44'57" W	153.54'
L68	S 44°20'03" W	241.75'
L69	S 44°27'56" W	242.97'
L70	S 11°56'38" W	153.93'
L71	S 03°25'12" E	8.99'
L72	S 16°53'55" E	156.94'
L73	S 42°02'28" W	8.88'
L74	S 01°06'24" W	80.82'
L75	S 82°08'41" W	19.08'
L76	S 33°07'01" W	243.86'
L77	S 24°29'30" W	205.25'
L78	S 04°23'52" E	31.91'
L79	S 08°58'16" W	20.42'
L80	S 22°17'35" E	43.37'

NUMBER	DIRECTION	DISTANCE	(DISTANCE)
L1	S 09°51'30" W	497.09'	(497.06')
L2	S 76°57'53" E	292.36'	(292.34')
L3	N 37°31'51" E	84.10'	(84.09')
L4	S 32°16'05" E	122.97'	(122.96')
L5	S 04°02'30" E	337.91'	(337.89')
L6	S 12°52'26" E	240.35'	(240.34')
L7	S 46°53'25" E	128.81'	(128.80')
L8	N 75°52'52" E	77.51'	(77.51')
L9	N 43°55'42" E	367.76'	(367.74')
L10	S 50°54'22" E	78.14'	(78.14')
L11	S 13°58'31" E	436.27'	(436.24')
L12	S 17°32'28" E	102.69'	(102.68')
L13	S 02°10'21" E	132.93'	(132.92')
L14	N 19°51'05" E	181.95'	(181.94')
L15	N 54°00'07" E	118.43'	(118.42')
L16	N 24°58'18" E	184.45'	(184.44')
L17	N 24°15'40" E	92.16'	(92.15')
L18	N 81°31'58" E	165.07'	(165.06')
L19	S 64°51'16" E	222.28'	(222.27')
L20	S 23°27'34" E	202.89'	(202.88')
L21	S 17°54'21" E	330.94'	(330.92')
L22	S 37°25'38" E	169.90'	(169.89')
L23	S 48°22'17" E	253.83'	(253.81')
L24	S 80°42'40" E	66.69'	(66.69')
L25	N 75°31'00" E	200.01'	(200.00')
L26	S 01°32'20" E	124.81'	(124.80')
L27	S 21°50'34" W	213.33'	(213.32')
L28	S 09°08'03" W	330.94'	(330.92')
L29	S 00°44'57" W	160.87'	(160.86')
L30	S 44°20'03" W	241.63'	(241.62')
L31	S 44°27'56" W	272.03'	(272.01')
L32	S 11°56'38" W	183.10'	(183.09')
L33	N 47°22'29" W	215.01'	(215.00')
L34	S 03°25'12" E	262.63'	(262.61')
L35	S 16°53'55" E	168.74'	(168.75')
L36	S 42°02'28" W	46.20'	(46.20')
L37	S 01°06'24" W	118.14'	(118.14')
L38	S 82°08'41" W	64.68'	(64.68')
L39	S 33°07'01" W	297.00'	(297.00')
L40	S 24°29'30" W	238.55'	(238.55')
L41	S 04°23'52" E	57.67'	(57.67')
L42	S 08°58'16" W	48.40'	(48.40')
L43	S 22°17'35" E	71.35'	(71.35')
L44	S 12°29'04" E	90.25'	(90.25')

NUMBER	DELTA	CD	T'	R'	L'	LC'
C1	28°13'35"	S 18°09'17" E	25.14	100.00	49.26	48.77
C2	85°29'56"	N 86°20'40" E	92.44	100.00	149.22	135.76
C3	36°55'51"	S 32°26'26" E	33.39	100.00	64.46	63.35
C4	57°16'18"	N 52°53'49" E	54.60	100.00	99.96	95.85
C5	33°36'46"	S 81°39'39" E	30.20	100.00	58.67	57.83
C6	41°23'42"	S 44°09'25" E	37.78	100.00	72.25	70.69
C7	05°33'13"	S 20°40'57" E	4.85	100.00	9.69	9.69
C8	102°56'40"	S 53°00'40" E	125.59	100.00	179.67	156.46
C9	23°22'54"	S 10°09'07" W	20.69	100.00	40.81	40.53
C10	43°35'06"	S 22°32'30" W	39.98	100.00	76.07	74.25
C11	104°08'00"	S 64°00'38" W	128.30	100.00	181.75	157.75
C12	58°56'23"	S 12°34'17" W	56.51	100.00	102.87	98.39
C13	81°02'17"	S 41°37'33" W	85.47	100.00	141.44	129.94
C14	132°22'08"	S 02°11'24" W	11.72	100.00	23.33	23.28
C15	09°48'31"	S 17°23'19" E	8.58	100.00	17.12	17.10



VICINITY MAP
SCALE: 1 INCH = 1 MILE

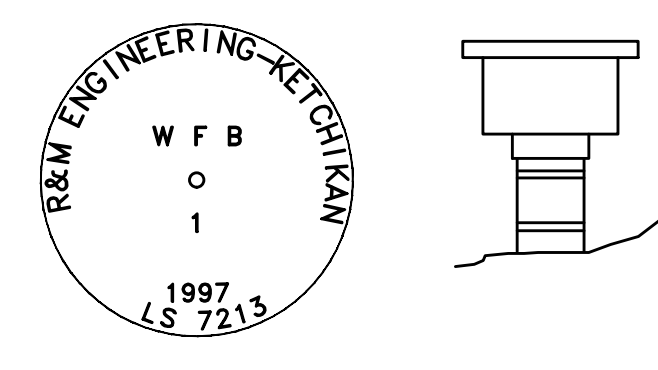
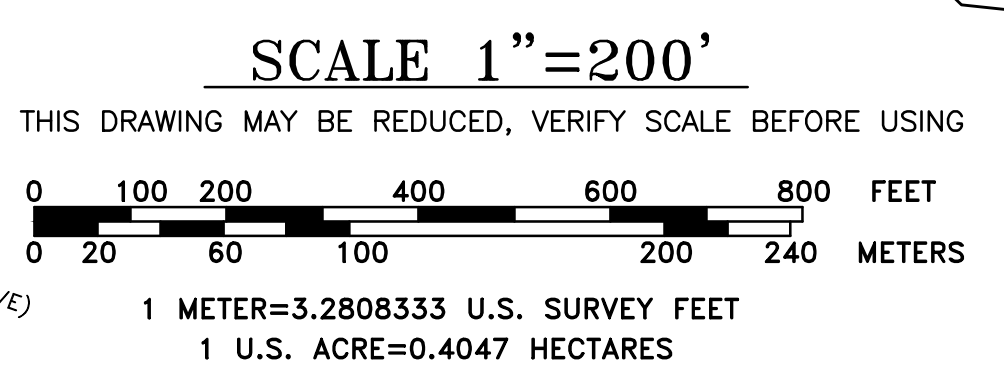


LEGEND

- ⊕ BLM BRASS CAP RECOVERED
- ⊗ AK DOT BRASS CAP RECOVERED
- 2" ALUMINUM CAP ON 5/8" REBAR SET
- () INDICATES RECORD DATA

NOTES

1. THE PREPARATION OF THIS SURVEY WAS FINANCED IN PART BY FUNDS FROM THE ALASKA COASTAL MANAGEMENT PROGRAM WHICH IS FUNDED BY THE STATE OF ALASKA AND THE OFFICE OF OCEAN AND COASTAL RESOURCE MANAGEMENT, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, U. S. DEPARTMENT OF COMMERCE, AND ADMINISTERED BY THE DEPARTMENT OF COMMUNITY AND REGIONAL AFFAIRS, MUNICIPAL AND REGIONAL ASSISTANCE DIVISION.
2. THE POSITIONS OF C1 OF TRACT I OF ATS 1410 AND C4 OF U.S.S. 2613 WERE DETERMINED BASED ON UPLAND MONUMENTS. THE BEARING BETWEEN THESE POINTS WAS HELD TO BE N 27°39'16" W AS COMPUTED FROM RECORD DATA ON THE PLAT OF ATS 1410.
3. AS DIRECTED BY THE CITY OF CRAIG A LINE WAS SURVEYED 100 FEET UPLAND OF ALASKA TIDELAND SURVEY No. 1410 MEANDER LINE IN THE CRAB BAY AREA TO LOCATE THE BOUNDARY OF A WIND-FIRM BUFFER CALLED OUT IN COASTAL ZONE MANAGEMENT REGULATIONS. IN 1972, CONGRESS PASSED THE COASTAL ZONE MANAGEMENT ACT (CZMA). THE ACT REQUIRED STATES TO MANAGE NATURAL COASTAL SYSTEMS, AND PROVIDES FUNDING TO STATES TO DEVELOPMENT MANAGEMENT PROGRAMS. IN RESPONSE TO THE CZMA, THE ALASKA STATE LEGISLATURE ADOPTED THE ALASKA COASTAL MANAGEMENT PROGRAM (ACMS) IN 1977. AS AN APPROVED ELEMENT OF THE ACPM, THE CRAIG COASTAL MANAGEMENT PLAN CONTAINS COASTAL-RELATED LAND USE REGULATIONS. THE WIND-FIRM BUFFER AREA DEPICTED ON THIS PLAT IS NOT AN EASEMENT GRANTED BY THE LAND OWNERS AND THIS SURVEY DOES NOT CONSTITUTE A SUBDIVISION AS DEFINED BY A S 40 15 290(2).



TYPICAL 2" ALUMINUM CAP ON 5/8" REBAR SET THIS SURVEY.

SURVEYOR'S CERTIFICATE
I hereby certify that I am properly registered and licensed to practice land surveying in the State of Alaska, 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.
Date _____ Registration Number: LS-7213
LeRoy J. Roth, R.L.S.

CRAB BAY WIND-FIRM BUFFER ZONE
WITHIN UNSUBDIVIDED REMAINDERS OF LOTS 1, 2, 5 & 7, SEC. 5, T74S, R81E, CRM AK & U.S.S. 2613 & SHAAN SEET INC. 14C TRACT D

CLIENT: CITY OF CRAIG
P O BOX 725
CRAIG, ALASKA 99921

R&M ENGINEERING-KETCHIKAN, INC.
P.O. BOX 9592 KETCHIKAN, ALASKA 99901
Phone: (907) 225-7917 Fax: (907) 225-3441

DATE: 3/20/98 DRAWN BY: L.R. JOB NO. 972757

SCALE: 1"=200' APPRVD BY: SHEET 1 OF 1