



PRIMARY PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 6, NAD83 IN US SURVEY FEET BASED ON A FULLY CONSTRAINED STATIC GPS NETWORK HOLDING THE PUBLISHED NAD83(CORS) 2003.00 DATUM. THE HORIZONTAL CONTROL IS BASED ON THE FOLLOWING DATUMS: NAD83(CORS) 2003.00, NAD83(CORS) 2011.00, HEIDEN AK 2007 CORS ARP (AC40 - PID DL6447) AND "PILOT PLANT AK 2007 CORS ARP" (AC52 - PID DL7671).

LOCAL PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 6, NAD83, IN US SURVEY FEET HOLDING USACE SHOG "CHIG" - AS N 842,676.2, E 1,563,298.54 AND USACE SHOG "CHIG"2 - AS N 841,021.61, E 1,563,298.54.

VERTICAL CONTROL IS MEAN LOWER LOW WATER (MLLW=0.0), BASED ON THE NOAA/NAT BENCH MARK LIST: "4585917 CHIGIN, ANCHORAGE BAY, ALASKA, PUBLISHED 3/22/2005". THIS TIDAL DATUM IS BASED ON THE 1983-2001 TIDAL EPOCH AND IS REFERENCED BY HOLDING NAT TIDAL BENCH MARKS 1997/04 CORN AND 1997/04 CORN2.

AREA A: ENTRANCE CHANNEL	MLLW=0	C.U. YD.
AVAILABLE TO PROJECT DEPTH (PD)	-19.5	46
AVAILABLE TO MAX PAY DEPTH (MP)	-20.5	398
AREA B: MOORING BASIN		
AVAILABLE TO PD	-16.5	23
AVAILABLE TO MP	-17.5	259
AVAILABLE SS AT 3:1 (H:V) & 25' WIDE	VARIES	608
TOTAL MAXIMUM VOLUME AVAILABLE (MP + SS)		1,265

STATION	NORTHING	EASTING	MLLW	DESCRIPTION
CHG-1 2004	842,276.72	1,563,296.54	16.63	3.25" DOMED STAMPED BRASS CAP
CHG-2 2004	841,021.81	1,563,477.47	17.12	3.25" DOMED STAMPED BRASS CAP
CHG-3 2010	841,847.01	1,563,263.55	18.26	3.25" DOMED STAMPED BRASS CAP
CHG-4 2010	841,134.45	1,563,047.13	18.80	3.25" DOMED STAMPED BRASS CAP

USCG NO.	NORTHING	EASTING	DESCRIPTION
27061	842,019	1,563,012	CHIGNIK BOAT HARBOR ENTRANCE LIGHT 1
27062	841,858	1,563,270	CHIGNIK BOAT HARBOR ENTRANCE DAY BEACON 2

CORNER#	NORTHING	EASTING	CORNER#	NORTHING	EASTING
1	841,663.97	1,562,953.88	8	841,920.12	1,563,197.07
2	841,913.98	1,562,992.29	9	842,127.10	1,563,285.08
3	841,937.96	1,563,079.92	10	842,076.32	1,563,655.08
4	842,059.51	1,563,195.01	11	842,072.63	1,563,664.07
5	842,019.53	1,563,482.15	12	841,534.11	1,563,551.12
6	841,769.92	1,563,448.69	13	841,589.15	1,563,156.07
7	841,786.39	1,563,330.57	14	841,651.54	1,563,180.76

CORNER#	NORTHING	EASTING
8	841,920.12	1,563,197.07
9	842,127.10	1,563,285.08
10	842,076.32	1,563,655.08
11	842,072.63	1,563,664.07
12	841,534.11	1,563,551.12
13	841,589.15	1,563,156.07
14	841,651.54	1,563,180.76

CURVE	RADIUS	ARC LENGTH	DELTA°'31"3.9"
C1	87.54	95.53	062°31'13.9"
C2	94.51	301.99	183°04'20.7"
C3	75.42	69.53	052°49'27.3"

David R. Neff C.H. (275)





