



NOTES

- HORIZONTAL CONTROL IS ALASKA STATE PLANE ZONE 8, NAD83. IN FEET HOLDING: LOW-ALCORS 'MER-2' 1991 AS N 2,333,980.70; E 467,011.68; 'MER-3' 1991 AS N 2,333,638.78; E 467,011.68.
- VERTICAL CONTROL IS IN FEET, BASED ON MEAN LOWER LOW WATER (MLLW=0.07). HOLDING USGS TIDAL SBMC BENCH MARK '1' 1951 AS 12.67'. VERTICAL DATUM MEASUREMENTS WERE OBTAINED FROM THE NATIONAL TIDAL DATUM SERVICE, BERING SEA, DATED 2/12/52. MEASUREMENTS WERE OBTAINED FROM THE NATIONAL TIDAL DATUM SERVICE, BERING SEA, DATED 2/12/52.
- THIS DRAWING INDICATES CONDITIONS AT THE TIME OF SURVEY.
- DATA ACQUISITION WAS CONDUCTED ON JULY 19-21, 1999. BREAKWATER TOPOGRAPHY WAS SURVEYED USING REAL-TIME KINEMATIC GPS METHODS. HORIZONTAL CONTROL WAS SURVEYED USING DIFFERENTIAL LEVELING METHODS AND VERTICAL CONTROL WAS SURVEYED USING DIFFERENTIAL LEVELING METHODS.
- THIS SURVEY WAS PERFORMED UNDER CONTRACT NO. DACW85-98-D-0004 BY TERRA SURVEYS, LLC.

CONTROL DATA		DESCRIPTION		
STATION	NORTHING	EASTING	ELEV	
BM-1	1951	2,333,262.07	12.67	US&GS SBC
BM-2	1951	2,333,238.91	44.94	US&GS SBC
MER-1	1991	2,334,097.94	17.50	3 1/2" ALUMINUM CAP
MER-2	1991	2,333,997.70	46.70	5/8" BRASS
MER-3	1991	2,334,071.09	12.88	5/8" BRASS
MER-4	1999	2,334,071.09	17.95	SET DOWN BC
MER-5	1999	2,333,815.30	17.95	SET DOWN BC

NAVIGATION AIDS	
USCG NO	DESCRIPTION
27959	MEKORYUK BREAKWATER DAYBEACON 2
	NORTHING
	EASTING
	2,333,646
	467,012

REV. DATE	DESCRIPTION	BY	APP'D
CONTRACTOR: TERRA SURVEYS, LLC		CONTRACT NO. DACW85-98-D-0004	
CITY: PALMER		STATE: ALASKA	
SURVEYED: DZ			
DRAWN: J. ADAMS			
CHECKED: TSN			
SUBMITTED: JULY 19-21, 1999			
APPROVED: _____ DATE: _____			
PROJECT NUMBER: _____			
SCALE: 1" = 30'			
SURVEY NO. 1825-99		SHEET 1 OF 1	