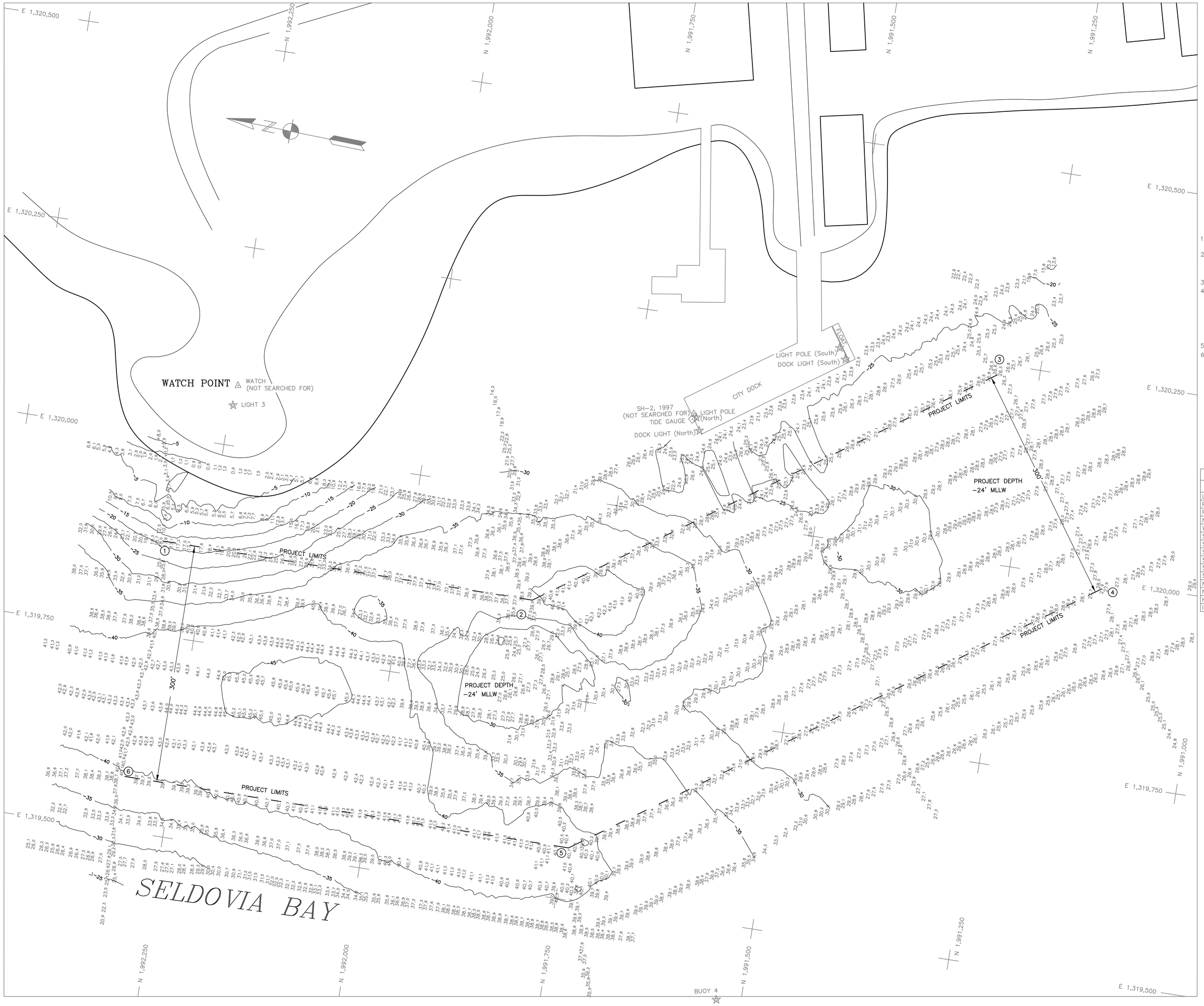
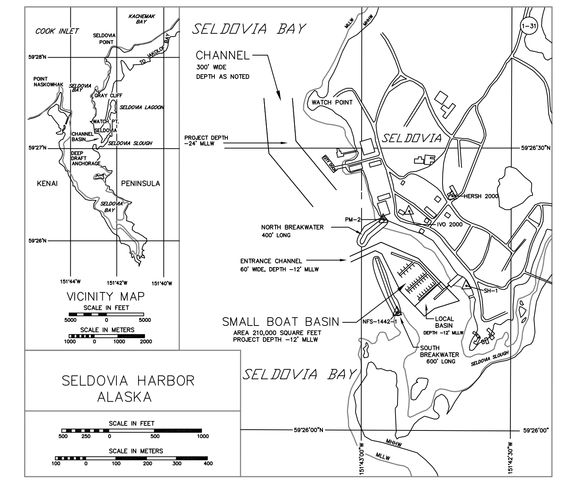
U. S. ARMY

CORPS OF ENGINEERS





NOTES

1. HORIZONTAL CONTROL IS ALASKA STATE PLANE ZONE 4, IN FEET, NORTH AMERICAN DATUM OF 1983, HOLDING USACE SBC "PM-2" AS N 1,990,891.65, E 1,320,696.67.
2. VERTICAL CONTROL IS IN FEET, REFERRING TO MEAN LOWER LOW WATER (MLLW = 0.0'), HOLDING NOAA/NOS TIDAL BENCH MARK "NO 20 1968" AS 29.57' ABOVE MLLW WATER, (FROM NOAA/NOS TIDAL BENCH MARK ALASKA 945-5500, PUBLICATION DATE NOV. 2, 1999, 6 PAGES.)
3. SOUNDINGS ARE IN FEET AND ARE MINUS UNLESS OTHERWISE INDICATED.
4. THIS SURVEY WAS EXECUTED ON JUNE 26-29, 2000. HORIZONTAL CONTROL WAS SURVEYED USING CONVENTIONAL TECHNIQUES. VERTICAL CONTROL WAS SURVEYED WITH DIFFERENTIAL LEVELS. SOUNDINGS WERE COLLECTED JUNE 28-29, USING AN ODOM 3200DF MKII ECHOSOUNDER WITH A 208Khz, 3° BEAM WIDTH AND CENTER MOUNTED TRANSDUCER. POSITIONS WERE DETERMINED USING AN Ag120 DGPS SYSTEM OPERATING ON CORRECTIONS FROM A BASE STATION SET AT "PM-2". WATER LEVEL WAS MEASURED USING AN ENDECO 1150T TIDE GAUGE SET AS SHOWN. DATA WAS COLLECTED AND REDUCED USING HYPACK SOFTWARE. UPLANDS WERE SURVEYED USING CONVENTIONAL SURVEY TECHNIQUES.
5. THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF SURVEY.
6. SURVEY CONTROL, PROJECT LIMITS AND NAVIGATIONAL AIDS COORDINATES WERE CONVERTED FROM NAD 27 IN US SURVEY FEET TO NAD 83 IN US SURVEY FEET USING CORPSCON 5.11.01.

VOLUME COMPUTATIONS

Project Depth -24' MLLW

MINIMUM PAY LINE	(-24' MLLW)	223 (cubic yards)
Between MINIMUM PAY LINE and MAXIMUM PAY LINE	(-25' MLLW)	161 (cubic yards)
SIDE SLOPE (3:1)		508 (cubic yards)
TOTAL		892 (cubic yards)

CONTROL DATA

STATION	NORTHING	EASTING	ELEV.	DESCRIPTION
LIGHT 1965	1,990,674.54	1,320,464.04	26.21	NOT SEARCHED FOR
PM-2 1967	1,990,891.34	1,320,695.50	29.45	USACE SBC IN GOOD CONDITION
PM-3	1,990,477.56	1,320,626.38	22.88	NOT SEARCHED FOR
NFS 1442-1	1,989,905.35	1,320,836.15	26.59	USACE SBC IN GOOD CONDITION
WATCH	1,992,243.79	1,320,075.98	–	NOT SEARCHED FOR
SEL-4	1,992,074.27	1,320,453.10	–	NOT SEARCHED FOR
SH-1	1,990,011.31	1,321,634.17	28.48	FND. 3 1/4" BRASS CAP IN TOP LARGE BOULDER
SH-2	1,991,671.98	1,320,129.12	28.39	NOT SEARCHED FOR
5500 B 1982	–	–	36.46	NOT SEARCHED FOR
5500 C 1982	–	–	31.56	FOUND NOS SBC IN GOOD CONDITION
5500 E 1982	–	–	29.34	FOUND NOS SBC IN GOOD CONDITION
NO. 13, 1964	–	–	26.13	NOT SEARCHED FOR
NO. 20, 1968	–	–	29.57	FOUND USCGS SBC IN GOOD CONDITION
HERSH 2000	1,991,112.57	1,321,517.16	42.40	SET 3 1/2" DBC IN CONCRETE PAD
IVO 2000	1,991,111.40	1,320,914.53	49.77	SET 2 1/2" AL. CAP

PROJECT LIMITS

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	1,992,307	1,319,868	4	1,991,132	1,319,990
2	1,991,837	1,319,866	5	1,991,744	1,319,565
3	1,991,303	1,320,236	6	1,992,309	1,319,568

☆ NAVIGATION AIDS ☆

USCG No.	DESCRIPTION	NORTHING	EASTING
26165	LIGHT 3, FL G	1,992,247	1,320,050
26175	BUOY 4, RED NUN	1,991,531	1,319,405
26180	SELDOVIA BREAKWATER LIGHT 5 FL. G	1,990,673	1,320,463
26170	SELDOVIA DOCK LIGHTS (2) (North)	1,991,662	1,320,109
26170	SELDOVIA DOCK LIGHTS (2) (South)	1,991,495	1,320,226
26170	SELDOVIA DOCK LIGHT POLE (South)	1,991,504	1,320,239
26170	SELDOVIA DOCK LIGHT POLE (North)	1,991,669	1,320,125

50 0 50 100 150 200

SCALE IN FEET

CONTRACT NO. DACW85-98-D-0004

CONTRACTOR TERRA SURVEYS, LLC

CITY PALMER STATE ALASKA

ALASKA DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

SURVEYED: K.D.W./A.S.D.
DRAWN: L.E.S./M.A.F.
CHECKED: T.S.N.
SUBMITTED:

SELDOVIA, ALASKA
SELDOVIA DEEP DRAFT CHANNEL
PROJECT CONDITION SURVEY
JUNE 28-29, 2000

RECOMMENDED: PROJECT MANAGER

APPROVED: CHIEF OPERATIONS-READINESS BRANCH

DATE:

SURVEY NO. 1870-00

SCALE: 1" = 50'

SHEET 1 OF 1