



VOLUME COMPUTATIONS

Project Depth -12' MLLW

MINIMUM PAY LINE (-12' MLLW)	1206 (cubic yards)
Between MINIMUM PAY LINE (-12' MLLW) and MAXIMUM PAY LINE (-1' MLLW)	752 (cubic yards)
TOTAL	1958 (cubic yards)

* Volumes are within Project Limits and do not include Side Slopes. (RAIN SS = 1036 cu yds)

CONTROL DATA

STATION	NORTHING	EASTING	ELEV.	DESCRIPTION
DA-1 1972	2,353,862.61	2,547,203.99	22.80	USACE SPEC 47, SO. OF RANGE LIGHT
DA-7 1977	2,353,922.25	2,546,409.53	13.70	USACE SPEC SET IN LARGE BOULDER
DI-1 1976	2,353,648.92	2,547,765.28	63.02	USACE SPEC FLAGPOLE IN CONCRETE
RAMB 1975	2,353,046.34	2,547,441.83	21.72	USACE SPEC S.D. RAMP END P.W.M.T.
ROCK 1975	2,353,542.69	2,546,567.06	16.41	USACE SPEC SET IN LARGE BOULDER
DI-6 1998	2,354,131.78	2,546,763.30	22.96	3 1/4" B.C. IN CONCRETE BLOCK
DI-8 1998	2,354,131.78	2,546,763.30	24.38	3 1/4" B.C. IN CONCRETE BLOCK
DI-C 2000	2,353,356.90	2,546,729.19	24.38	3 1/4" B.C. IN ASPHALT
DI-D 2000	2,353,101.14	2,547,129.34	24.10	3 1/4" B.C. IN ASPHALT SIDEWALK

PROJECT LIMITS

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	2,354,142.60	2,547,098.57	6	2,353,715.80	2,547,242.58
2	2,353,869.78	2,547,092.42	7	2,353,865.35	2,547,130.85
3	2,353,391.72	2,547,485.82	8	2,353,699.49	2,547,150.46
4	2,353,391.72	2,547,485.82	9	2,353,593.19	2,547,150.46
5	2,353,499.63	2,547,584.56			

NAVIGATION AIDS

DESCRIPTION	USCG No.	NORTHING	EASTING
DOUGLAS BOAT HARBOR LIGHT ID	23890	2,353,972.2	2,547,205.1

REVISIONS

NO.	DATE	DESCRIPTION	BY	APP.

CONTRACTOR: **TERRA SURVEYS, LLC**
 CITY: **PAULER** STATE: **ALASKA**

ALASKA DISTRICT
 CORPS OF ENGINEERS
 ANCHORAGE, ALASKA

DOUGLAS, ALASKA
DOUGLAS HARBOR
PROJECT CONDITION SURVEY
MAY 3, 2000

APPROVED: _____ DATE: _____
 (SEE DRAWING FOR SIGNATURE)

SCALE: 1" = 50'
 SHEET 1 OF 1