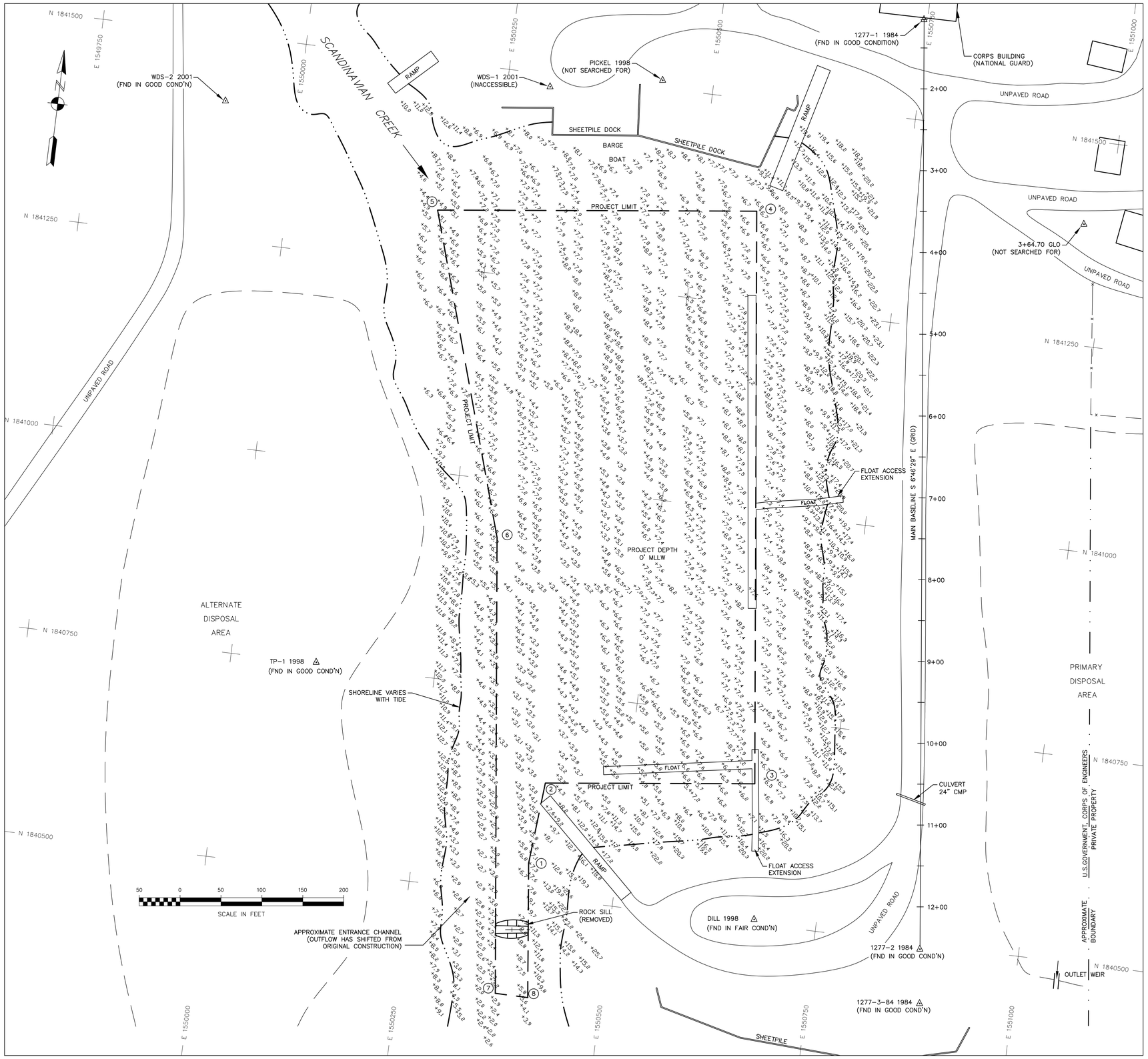

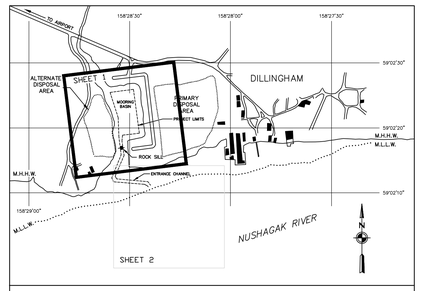

SITE PLAN

SCALE IN FEET

NOTES

1. HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 6, NAD83, IN FEET, BASED ON NGS PUBLISHED VALUES, HOLDING USACE SBC "1277-2 1984" AS N 1,840,494.00, E 1,550,879.74 AND USACE SBC "1277-1 1984" AS N 1,841,622.39, E 1,550,745.71. NGS DATA WAS CONVERTED FROM ASPC Z6, NAD83, METERS TO ASPC Z6, NAD83, US FEET USING CORPSCON V5.11.
2. VERTICAL CONTROL IS IN FEET, REFERING TO MEAN LOWER LOW WATER (MLLW=0.00') HOLDING USACE SBC "1277-2 1984" AS 30.50' ABOVE MLLW, BASED ON USACE PUBLISHED VALUES (SURVEY NO. 1872-00, 7/23/2000).
3. SOUNDINGS ARE IN FEET AND ARE NEGATIVE UNLESS INDICATED OTHERWISE
4. THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF SURVEY.
5. THIS PRE DREDGE SURVEY WAS CONDUCTED ON MAY 13-15, 2011 BY HUGHES AND ASSOCIATES, WASILLA, AK. SOUNDINGS WERE COLLECTED USING AN ODOM HYDROTRAC DEPTH SOUNDER WITH A 200KHZ, 3 DEGREE BEAM-WIDTH, SINGLE-BEAM TRANSDUCER. POSITIONING AND TIDES WERE PROVIDED IN REAL TIME USING A TRIMBLE R8 RECEIVER OPERATING ON ON KINEMATIC CORRECTORS BROADCAST FROM A TRIMBLE 5700 BASE STATION SET AT USACE SBC "1277-2 1984". VESSEL NAVIGATION, DATA COLLECTION AND PROCESSING WERE PERFORMED USING HYPACK 2010 INTEGRATED SOFTWARE.
6. THE CONTROL VALUES SHOWN ON THIS PLAT WERE VERIFIED PRIOR TO THE PRE DREDGE SURVEY AND HOLD AS PUBLISHED.
7. THERE WERE NO NEW PERMANENT CONTROL MONUMENTS SET DURING THIS SURVEY.

PRIMARY DISPOSAL SITE COORDINATES

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	1840834.11	1550903.54	8	1840568.15	1551338.21
2	1840848.44	1550983.39	9	1840544.25	1551246.93
3	1840887.42	1551000.89	10	1840500.39	1551191.67
4	1840955.98	1551355.43	11	1840470.53	1551093.41
5	1840964.39	1551596.00	12	1840465.64	1550999.95
6	1840727.36	1551581.99	13	1840603.46	1550935.89
7	1840683.88	1551555.94			

PROJECT LIMITS

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	1840539.82	1550392.28	6	1840930.23	1550305.20
2	1840639.49	1550400.48	7	1840376.92	1550371.27
3	1840669.95	1550654.66	8	1840376.59	1550411.26
4	1841364.98	1550571.35	ROCK SILL CNTR	1840456.63	1550381.97
5	1841318.57	1550184.12			

CONTROL DATA

STATION	NORTHING	EASTING	ELEV.	DESCRIPTION
DILLINGHAM 1947	1849383.08	1551809.45	----	3.5" USCGS SBC
DILLINGHAM AZ MK	1841347.21	1553844.91	----	USCGS 2" IRON PIPE
WDS-1 2001	1841485.03	1550302.26	24.92	3.25" DOMED ALUMINUM CAP
WDS-2 2001	1841419.33	1549910.66	22.50	3.25" DOMED ALUMINUM CAP
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3+64.70 GLO	1841397.99	1550970.26	29.08	SEARCHED FOR NOT FOUND
DLG-3	1840268.20	1549686.38	25.97	SEARCHED FOR NOT FOUND
COR PT NO 4	1841725.19	1550493.77	29.28	1" ALUMINUM CAP
DILL 1998	1840505.33	1550674.26	29.44	3.25" FLAT ALUMINUM CAP
PICKEL 1998	1841509.51	1550437.81	28.44	3.25" FLAT ALUMINUM CAP
TP 1 1998	1840751.63	1550104.80	35.47	3.25" FLAT ALUMINUM CAP
1318-85 1985	-----	-----	32.59	3.25" USACE SBC

VOLUME COMPUTATIONS

VOLUME AVAILABLE TO PROJECT DEPTH (0 FT)	57,718 cy
VOLUME AVAILABLE BETWEEN PD (0 FT) AND MAX-PAY DEPTH (-2 FT)	18,321 cy
VOLUME AVAILABLE ALONG THE SIDE-SLOPES	6,070 cy
TOTAL VOLUME AVAILABLE	82,109 cy

STATE OF ALASKA 49TH JACK S. HUGHES LS-4915 REGISTERED PROFESSIONAL LAND SURVEYOR

SURVEY

US ARMY CORPS OF ENGINEERS
ALASKA DISTRICT

CONTRACT NO. W911KB-09-B-0002
CONTRACTOR PORTABLE HYDRAULIC
CITY EAGLE CREEK STATE OREGON
Recommended: Approved: Date:
PRIME CONTRACTOR RESIDENT ENGINEER

Sym.	Action	Description	Date	Appvd

Date: 5/15/11
Dwg Scale: 1"=50'
Plot Scale:
File:
Drawing #: 2876-11

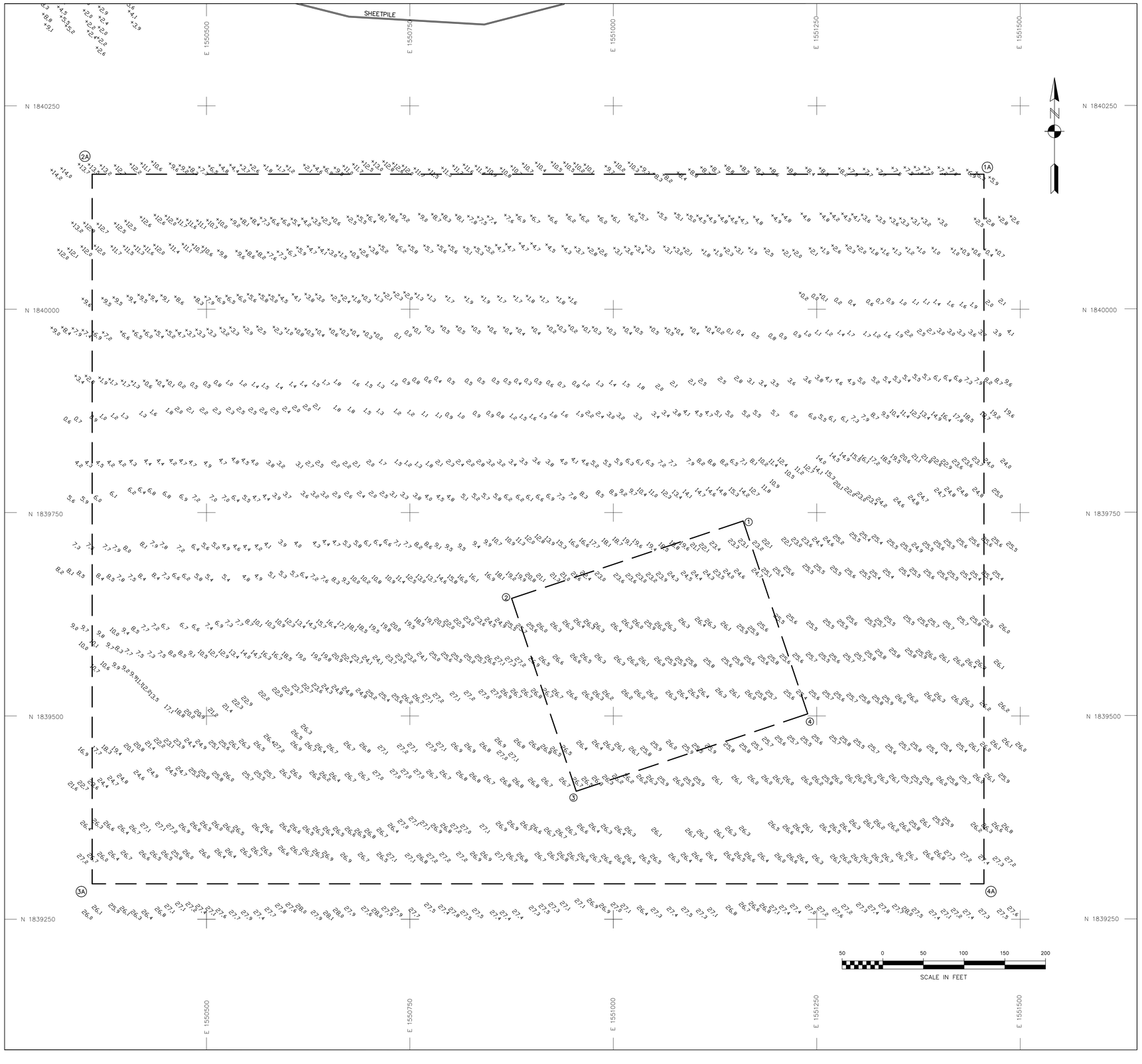
Designed:
Drawn: TNL
Reviewed: C. HUGHES
Chief:
Submitted:
Chief:

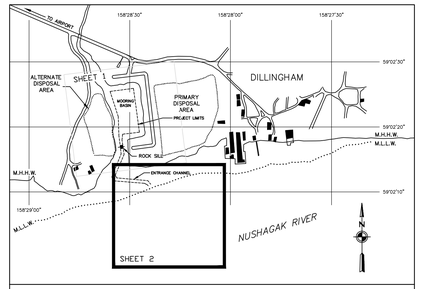
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

DILLINGHAM, ALASKA
DILLINGHAM HARBOR
PRE DREDGE SURVEY
MAY 13-15, 2010

Reference number:

Sheet 1 of 5





SITE PLAN

SCALE IN FEET

500 0 500 1000 1500 2000

NOTES

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PRIMARY DISPOSAL SITE COORDINATES

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
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PROJECT LIMITS

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COR PT NO 4	1841725.19	1550493.77	29.28	1" ALUMINUM CAP
DILL 1998	1840505.33	1550674.26	29.44	3.25" FLAT ALUMINUM CAP
PICKEL 1998	1841509.51	1550437.81	28.44	3.25" FLAT ALUMINUM CAP
TP 1 1998	1840751.63	1550104.80	35.47	3.25" FLAT ALUMINUM CAP
1318–85 1985	-----	-----	32.59	3.25" USACE SBC

VOLUME COMPUTATIONS

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TOTAL VOLUME AVAILABLE	82,109 cy

STATE OF ALASKA 49TH JACK S. HUGHES LS–4915 REGISTERED PROFESSIONAL LAND SURVEYOR

SURVEY

US ARMY CORPS OF ENGINEERS
ALASKA DISTRICT

CONTRACT NO. W911KB–09–B–0002
CONTRACTOR PORTABLE HYDRAULIC
CITY EAGLE CREEK STATE OREGON
Recommended: Approved: Date:
PRIME CONTRACTOR RESIDENT ENGINEER

Sym.	Action	Description	Date	Approv.

Date: 5/15/11
Dwg Scale: 1"=50'
Plot Scale:
File:
Drawing #: 2876–11

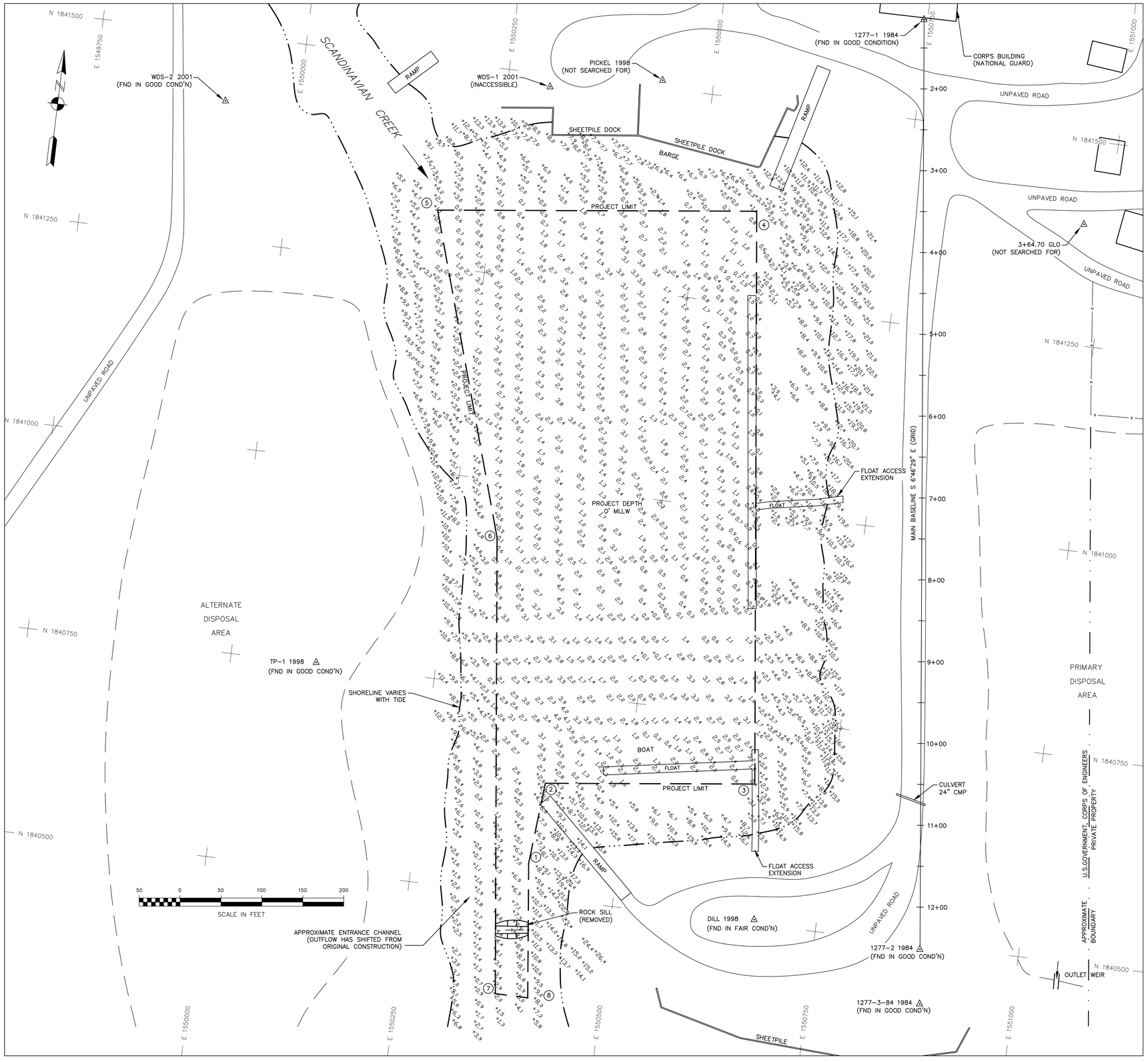
Designed:
Drawn: TNL
Reviewed: C. HUGHES
Chief
Submitted:
Chief

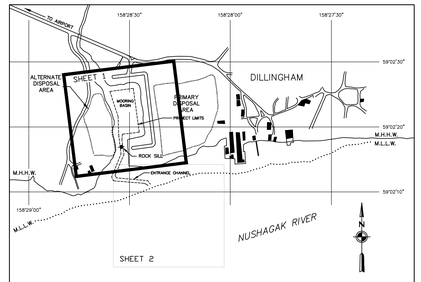
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

DILLINGHAM, ALASKA
DILLINGHAM HARBOR
PRE DREDGE SURVEY
MAY 13–15, 2010

Reference number:

Sheet 2 of 5





SITE PLAN

SCALE IN FEET

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PROJECT LIMITS

CORNER			CORNER		
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VOLUME COMPUTATIONS

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VOLUME AVAILABLE BETWEEN PD (0 FT) AND MAX-PAY DEPTH (-2 FT)	18,321 cy
VOLUME AVAILABLE ALONG THE SIDE-SLOPES	6,070 cy
TOTAL VOLUME AVAILABLE	82,109 cy

VOLUME COMPUTATIONS

VOLUME REMOVED TO PROJECT DEPTH (0 FT)	55,504 cy
VOLUME REMOVED BETWEEN PD (0 FT) AND MAX-PAY DEPTH (-2 FT)	13,895 cy
VOLUME REMOVED ALONG THE SIDE-SLOPES	4,679 cy
TOTAL VOLUME REMOVED	74,078 cy
VOLUME OVERDREDGED	12,943 cy

STATE OF ALASKA 49TH
JACK S. HUGHES
LS-4915
REGISTERED PROFESSIONAL LAND SURVEYOR

SURVEY

US ARMY CORPS OF ENGINEERS
ALASKA DISTRICT

CONTRACT NO. W911KB-09-B-0002
CONTRACTOR PORTABLE HYDRAULIC
CITY EAGLE CREEK STATE OREGON
Recommended: Approved: Date:
PRIME CONTRACTOR RESIDENT ENGINEER

Sym	Action	Description	Date	Approv

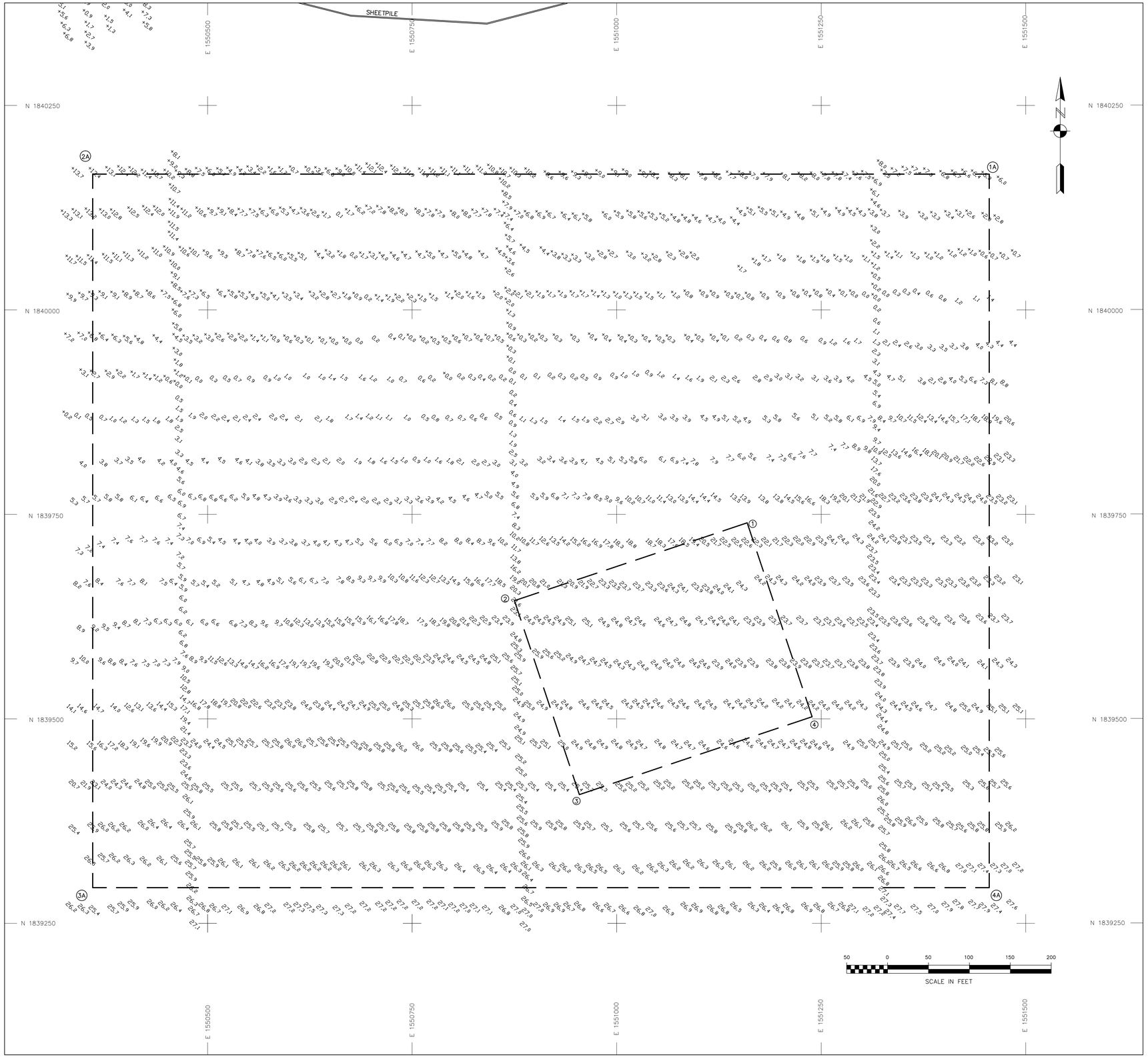
Designed:
Drawn: REH
Reviewed: C. HUGHES
Chief:
Submitted:
Chief:
Date: 6/10/11
Dwg Scale: 1"=50'
Plot Scale:
Section
File:
Branch
Drawing #:
2882-11

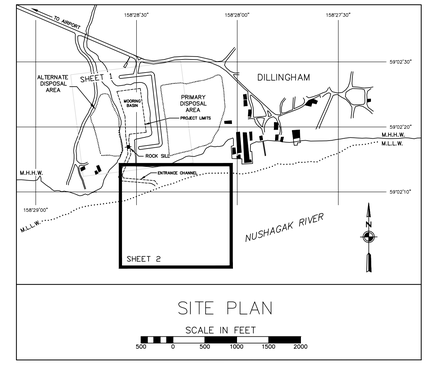
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

DILLINGHAM, ALASKA
DILLINGHAM HARBOR
POST DREDGE SURVEY
JUNE 7-8, 2011

Reference number:

Sheet 1 of 5





SITE PLAN

SCALE IN FEET

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STATE OF ALASKA 49TH JACK S. HUGHES LS–4915 REGISTERED PROFESSIONAL LAND SURVEYOR

SURVEY

US ARMY CORPS OF ENGINEERS
ALASKA DISTRICT

CONTRACT NO. W911KB–09–B–0002
CONTRACTOR PORTABLE HYDRAULIC
CITY EAGLE CREEK STATE OREGON
Recommended: Approved: Date:
PRIME CONTRACTOR RESIDENT ENGINEER

Sym	Action	Description	Date	Approv

Date 6/10/11
Dwg Scale: 1"=50'
Plot Scale:
File:
Drawing #: 2882–11
Designed:
Drawn: REH
Reviewed: C. HUGHES
Chief:
Section
Submitted:
Chief:
Branch

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

DILLINGHAM, ALASKA
DILLINGHAM HARBOR
POST DREDGE SURVEY
JUNE 7–8, 2011

Reference number:

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