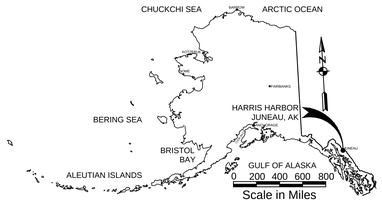
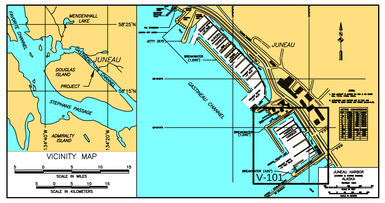


LOCATION/VICINITY MAP(S)



NOTES

1. HORIZONTAL CONTROL IS U.S. SURVEY FEET BASED ON LOCAL CONTROL MONUMENT "JA-1 RESET 1989" AS N 2,363,616.69, E 2,538,655.23 AND "HH-C 1999" AS N 2,363,201.83, E 2,539,897.30.
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4. VERTICAL TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM ARE BASED ON PUBLISHED NAVD88 ELEVATIONS HOLDING THE OPUS DB PUBLISHED VALUES OF: "JNU TIDAL GPS 1999" (PID AI4908, VM#16187) AS 20.30'.
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SURVEY CONTROL DATA

STATION	NORTHING	EASTING	ELEV	DESCRIPTION
HH-A	2,363,805.68	2,539,338.68	0.00	DESTROYED
HH-C 1999	2,363,201.83	2,539,897.30	26.39	3 1/4 INCH DOMED BC
HH-D 1999	2,363,200.08	2,539,900.22	26.64	3 1/4 INCH DOMED BC
HH-G 2005	2,363,408.72	2,539,700.93	25.19	DESTROYED
HH-H 2005	2,362,954.54	2,540,005.51	28.83	SET 3.5 INCH DBC IN CONCRETE
JA-1 RESET 1989	2,363,832.49	2,538,655.23	24.22	USACE SBC
JH-1 1972	2,362,664.88	2,539,900.60	29.60	USACE SBC
JUNEAU TIDAL GPS	2,362,230.50	2,541,118.12	29.16	3 1/4 INCH NOS DOMED BC

NAVIGATION AIDS

USCG NO.	NORTHING	EASTING	DESCRIPTION
23705	2,362,956.70	2,539,202.60	HARRIS HARBOR LIGHT 1H

PROJECT LIMITS

CORNER#	NORTHING	EASTING
1	2,362,974.70	2,539,881.60
2	2,363,727.70	2,539,377.60
3	2,363,454.70	2,538,970.60

PROJECT LIMITS

CORNER#	NORTHING	EASTING
4	2,362,952.70	2,539,306.60
5	2,362,861.70	2,539,179.60
6	2,362,603.70	2,539,364.60

VOLUME COMPUTATIONS

PROJECT DEPTH - 12.0'	CY
AVAILABLE TO PROJECT DEPTH (-12.0')	9812
AVAILABLE BETWEEN PROJECT DEPTH (-12.0') AND MAX PAY DEPTH (-13.0')	7382
AVAILABLE ALONG SIDE SLOPES (3:1)	5693
TOTAL MATERIAL AVAILABLE	22888

STATE OF ALASKA 49TH
CARY S. HUGHES
LS-13869
REGISTERED PROFESSIONAL LAND SURVEYOR

US Army Corps of Engineers
ALASKA DISTRICT

CONTRACT NO. W912AB-12-D-0013
CONTRACTOR: HUGHES & ASSOCIATES
CITY: WASILLA STATE: ALASKA
Recommended: *NAME CONTRACTOR* *CHIEF SURVEYOR/CQC*
Approved: *NAME CONTRACTOR* *CHIEF SURVEYOR/CQC*
Date:

REVISION	DATE	DESCRIPTION	BY	REVISION	DATE	DESCRIPTION	BY	APPROV

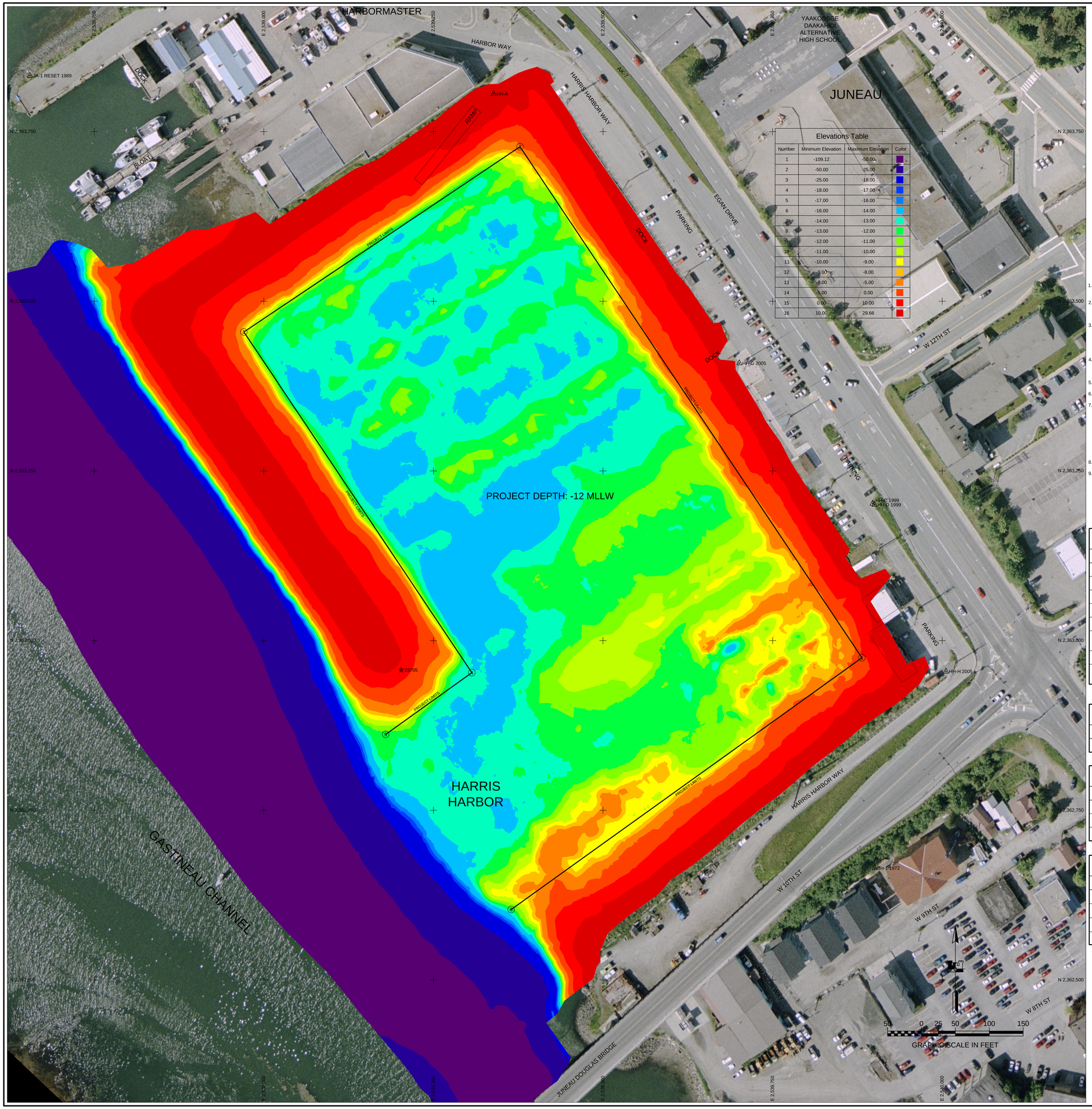
DATE: 8 November 2013
SURVEY NO.: 3145
CONTRACT NO.: W912AB-12-D-0013
CWIS # UPC & (PD) #'s: 20966 & 72797
FILE NAME: HARRISHARBOR 2013 PCS - FINAL.DWG
SURVEYED BY: ETH, JKO
DRAWN BY: TMD
CHECKED BY: CSH
APPROVED BY: CSH
SCALE: 1" = 50'
SIZE: 22x34
PLOT DATE: 11/13/2013

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 E. COTTLE LOOP
WASILLA, AK 99654

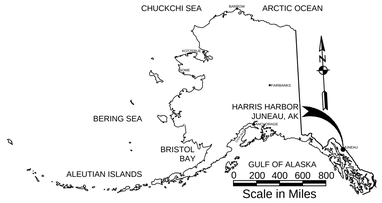
JUNEAU, ALASKA
HARRIS HARBOR
PROJECT CONDITION SURVEY
MAY 7-8, 2013

SHEET IDENTIFICATION
V-101
Sheet 1 of 2



Elevations Table

Number	Minimum Elevation	Maximum Elevation	Color
1	-109.12	-50.00	
2	-50.00	-25.00	
3	-25.00	-18.00	
4	-18.00	-17.00	
5	-17.00	-16.00	
6	-16.00	-14.00	
7	-14.00	-13.00	
8	-13.00	-12.00	
9	-12.00	-11.00	
10	-11.00	-10.00	
11	-10.00	-9.00	
12	-9.00	-8.00	
13	-8.00	-5.00	
14	-5.00	0.00	
15	0.00	10.00	
16	10.00	29.66	



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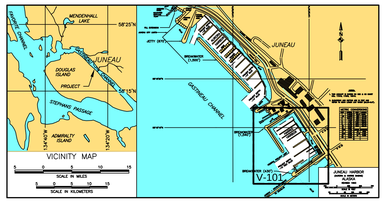

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CONTRACTOR HUGHES & ASSOCIATES
CITY WASILLA STATE ALASKA
Recommended: Date:
Approved: Date:
PROJECT MANAGER
CHIEF SURVEY SECTION

REVISION	DATE	DESCRIPTION	BY	APPVD	REVISION	DATE	DESCRIPTION	BY	APPVD

DATE: 6 November 2013
SURVEY NO.: 13-01-13
CONTRACT NO.: W912KB-12-D-0013
CWIS # UFC # (PZ) F.N.
SURVEYED BY: ETH, JMJ
DRAWN BY: SMW
CHECKED BY: CSH
APPROVED BY: CSH
PLOT DATE: 11/15/2013
SCALE: 1" = 50'
SIZE: 22X34
FILE NAME: HARBORMASTER 2013 PCS - FINAL.DWG

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PROJECT CONDITION SURVEY
May 7-8, 2013

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Sheet 2 of 2