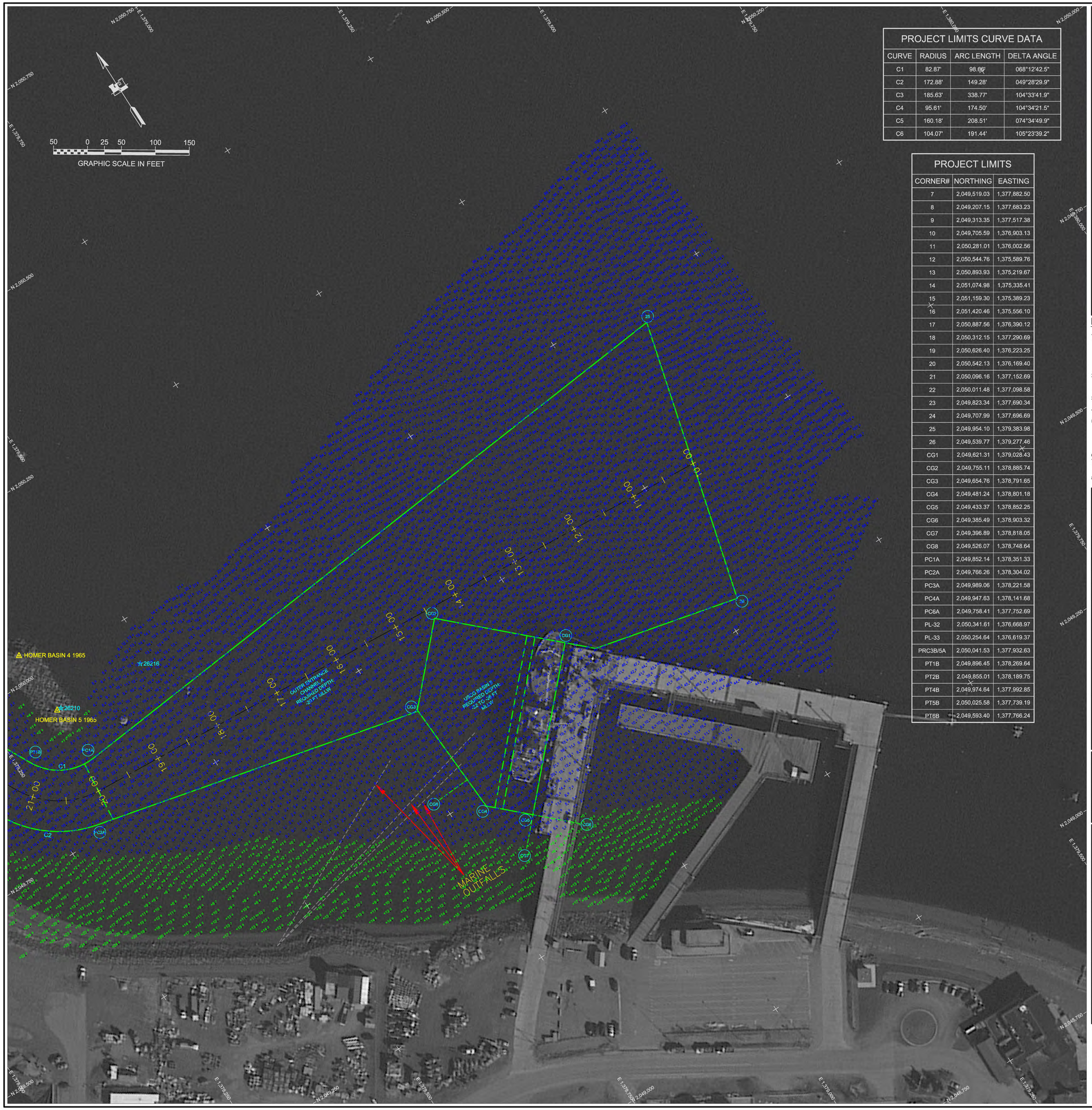

PROJECT LIMITS CURVE DATA

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE
C1	82.87'	98.66'	068°12'42.5"
C2	172.88'	149.28'	049°28'29.9"
C3	185.63'	338.77'	104°33'41.9"
C4	95.61'	174.50'	104°34'21.5"
C5	160.18'	208.51'	074°34'49.9"
C6	104.07'	191.44'	105°23'39.2"

PROJECT LIMITS

CORNER#	NORTHING	EASTING
7	2,049,519.03	1,377,882.50
8	2,049,207.15	1,377,683.23
9	2,049,313.35	1,377,517.38
10	2,049,705.59	1,376,903.13
11	2,050,281.01	1,376,002.56
12	2,050,544.76	1,375,589.76
13	2,050,893.93	1,375,219.67
14	2,051,074.98	1,375,335.41
15	2,051,159.30	1,375,389.23
16	2,051,420.46	1,375,556.10
17	2,050,887.56	1,376,390.12
18	2,050,312.15	1,377,290.69
19	2,050,626.40	1,376,223.25
20	2,050,542.13	1,376,169.40
21	2,050,096.16	1,377,152.69
22	2,050,011.48	1,377,098.58
23	2,049,823.34	1,377,690.34
24	2,049,707.99	1,377,696.69
25	2,049,954.10	1,379,383.98
26	2,049,539.77	1,379,277.46
CG1	2,049,621.31	1,379,028.43
CG2	2,049,755.11	1,378,885.74
CG3	2,049,654.76	1,378,791.65
CG4	2,049,481.24	1,378,801.18
CG5	2,049,433.37	1,378,852.25
CG6	2,049,385.49	1,378,903.32
CG7	2,049,396.89	1,378,818.05
CG8	2,049,526.07	1,378,748.64
PC1A	2,049,852.14	1,378,351.33
PC2A	2,049,766.26	1,378,304.02
PC3A	2,049,989.06	1,378,221.58
PC4A	2,049,947.63	1,378,141.68
PC6A	2,049,758.41	1,377,752.69
PL-32	2,050,341.61	1,376,668.97
PL-33	2,050,254.64	1,376,619.37
PRC3B/5A	2,050,041.53	1,377,932.63
PT1B	2,049,896.45	1,378,269.64
PT2B	2,049,855.01	1,378,189.75
PT4B	2,049,974.64	1,377,992.85
PT5B	2,050,025.58	1,377,739.19
PT6B	2,049,593.40	1,377,766.24

NOTES

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2. VERTICAL CONTROL IS MEAN LOWER LOW WATER (MLLW=0.0'), BASED ON THE NOAA/NOS TIDAL BENCH MARK LIST FOR STATION "945 5557, HOMER, ALASKA" PUBLISHED 08/11/2003. THIS TIDAL DATUM IS BASED ON THE 1983-2001 TIDAL EPOCH AND IS REFERENCED BY HOLDING SBC "BL-2-A" AS 32.49'.
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SURVEY CONTROL DATA

STATION	NORTHING	EASTING	MLLW	DESCRIPTION
AUDREY	2,051,507.88	1,375,406.60	33.31	1-1/2 IN ALUMINUM CAP (FOUND)
BL-2-A 1989	2,049,793.81	1,378,015.52	32.49	USACE SBC (FOUND)
BM NO 6 1965			27.28	USC&GC SBC (NOT FOUND)
BOLL 1996	2,050,682.88	1,375,195.75	35.48	3-1/4 IN FLAT BRASS CAP (FOUND)
C 103 1965			26.95	USC&GC SBC (NOT FOUND)
HB-08 2009	2,050,150.78	1,377,830.73	31.92	3-1/4 IN DOMED ALUMINUM CAP (FOUND)
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NAVIGATION AIDS

USCG NO.	NORTHING	EASTING	DESCRIPTION
26210	2,049,940	1,378,351	HOMER BREAKWATER LIGHT 2
26216	2,049,932	1,378,484	SOUTH LIGHTED MOORING BUOY

VOLUME COMPUTATIONS

AREA A: OUTER ENTRANCE CHANNEL	MLLW (FT)	CU. YD.
REMOVED TO DREDGE DEPTH (DD)	-20.0	44
REMOVED BETWEEN DD AND MAX PAY DEPTH (MP)	-21.0	51
REMOVED SIDE SLOPES (SS) AT 3:1 (H:V) & 25' WIDE	VARIES	128
AREA B: USCG BASIN AREA		
REMOVED TO DD	-22 TO -26	142
REMOVED BETWEEN DD AND MP	-23 TO -27	2
REMOVED SS	VARIES	1043
AREA C: INNER CHANNEL AREA		
REMOVED TO DD	-20.0	303
REMOVED BETWEEN DD AND MP	-21.0	58
REMOVED SS	VARIES	1081
AREA D: MANEUVERING AREA (NOT DREDGED)		
AREA E: MANEUVERING AREA (NOT DREDGED)		
AREA F: MANEUVERING AREA (NOT DREDGED)		
TOTAL MAXIMUM VOLUME REMOVED (MP + SS)		2,852
DREDGED AREA OVERDREDGE (AREA A,B,&C)	-20 TO -26	311

US Army Corps of Engineers
ALASKA DISTRICT

CONTRACTOR: ALASKA MARINE EXCAVATION
CONTRACT NO: W911KB-12-C-0005
CITY: ANCHOR POINT
STATE: ALASKA
Recommended: CHIEF, COASTAL DESIGN SECTION
Approved: CHIEF, COASTAL DESIGN SECTION
Date:

REVISION	DATE	DESCRIPTION	BY	APPROVED

REVISION	DATE	DESCRIPTION	BY	APPROVED

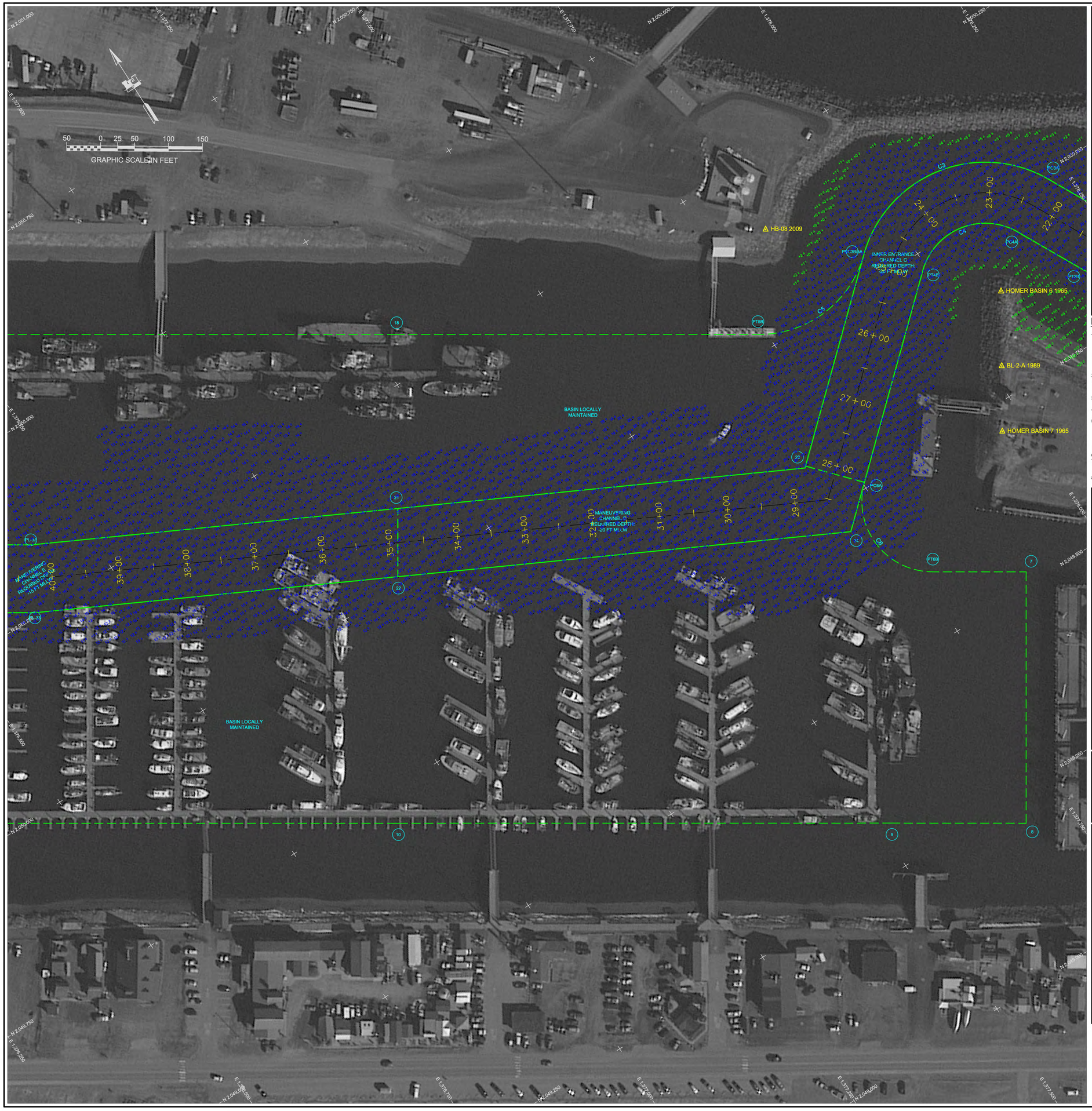
DATE: 19 October 2015
HPC: 1.0.0.316
CONTRACT NO.: W911KB-12-C-0005
SURVEY: 3314.15
PLOT DATE: 10/19/2015
SCALE: 1" = 50'
FILE NAME: 2015 HOMER POST DREDGE FINAL.DWG
SIZE: E
REVIEWED BY: CSM/BTH
DRAWN BY: BM
CHECKED BY: BM
APPROVED BY: Thomas A. Swan

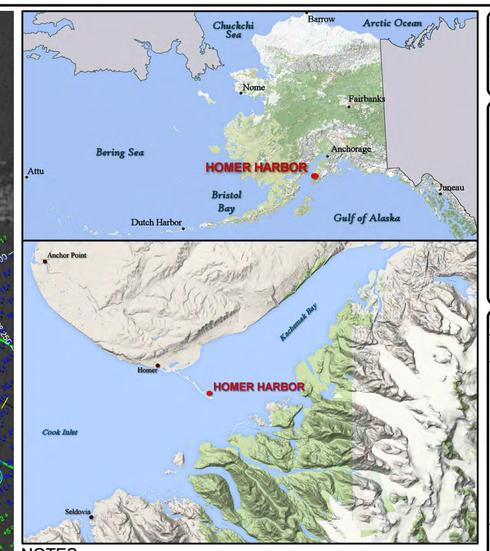
U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, ALASKA

HOMER, ALASKA
HOMER HARBOR
POST DREDGE SURVEY
SEPTEMBER 12, 2015

SHEET IDENTIFICATION
V-101
Sheet 1 of 3





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US Army Corps of Engineers
ALASKA DISTRICT

CONTRACTOR ALASKA MARINE EXCAVATION
CONTRACT NO. W911KB-12-C-0005
CITY ANCHOR POINT
STATE ALASKA
Recommended: CHIEF, CONSTRUCTION SECTION
Approved: CHIEF, CONSTRUCTION SECTION
Date:

REVISION	DATE	DESCRIPTION	BY	APPROVED

REVISION	DATE	DESCRIPTION	BY	APPROVED

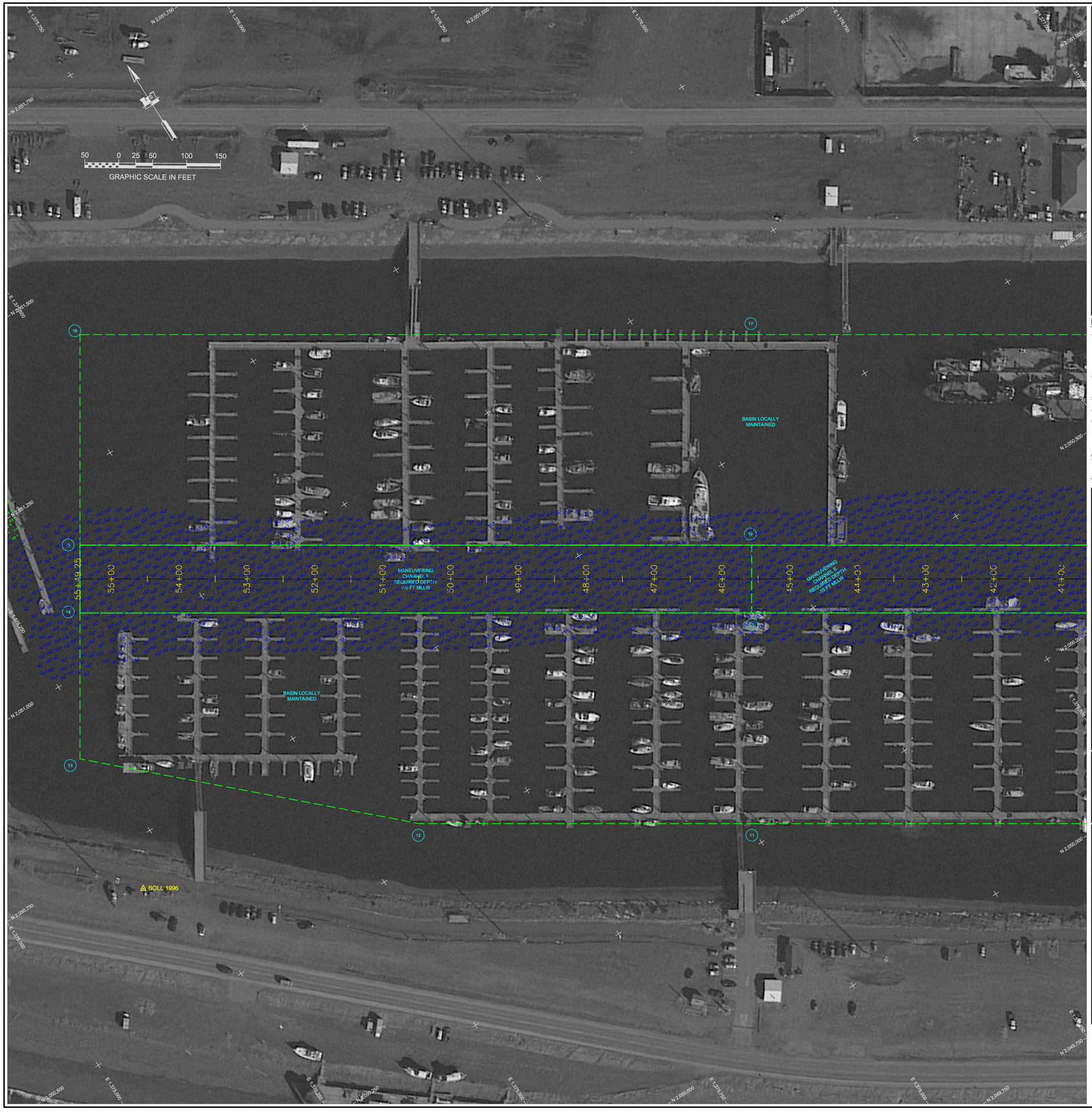
SURVEYED BY: CSWITH
DRAWN BY: CSWITH
APPROVED BY: Thomas A. Blair, Chief Geomatics Section
SCALE: 1" = 40'
SIZE: 22X34
DATE: 19 October 2015
UPC: 1.0.0.0
CHECKED BY: CBE
CONTRACT NO.: W911KB-12-C-0005
TIME: 10:00:00
FILE NAME: 2015 HOMER POST DREDGE FINAL.DWG

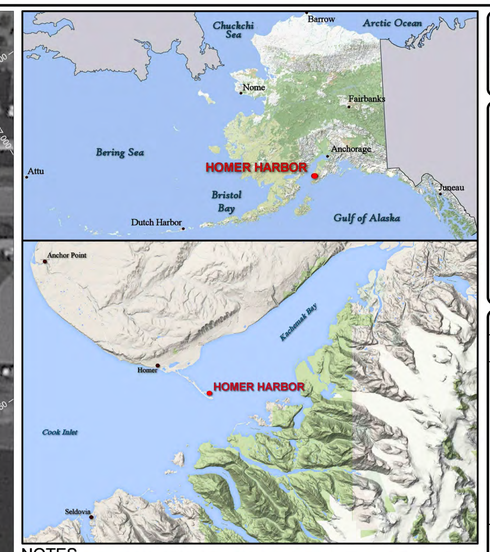
U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, ALASKA

HOMER, ALASKA
HOMER HARBOR
POST DREDGE SURVEY
SEPTEMBER 12, 2015

SHEET IDENTIFICATION
V-102
Sheet 2 of 3





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US Army Corps of Engineers
ALASKA DISTRICT

CONTRACT NO. W911KB-12-C-0005
CONTRACTOR ALASKA MARINE EXCAVATION
CITY ANCHOR POINT STATE ALASKA
Recommended: Approved: Date:
CHIEF, CONTRACTING SECTION

REVISION	DATE	DESCRIPTION	BY	APPROVED

REVISION	DATE	DESCRIPTION	BY	APPROVED

DATE: 19 October 2015
UPC: UPC-01
CONTRACT NO.: W911KB-12-C-0005
SCALE: 1:400
DATE: 2014-15
FILE NAME: 2014 HOMER POST DREDGE FINAL DWG

SURVEYED BY: CSMITH
DRAWN BY: CSMITH
CHECKED BY: CJH
APPROVED BY: Thomas A. Sloan, Chief Geomatics Section
SCALE: 1" = 50'
DATE: 10/19/2015
SIZE: ANSI D
PAGE:

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

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, ALASKA

HOMER, ALASKA
HOMER HARBOR
POST DREDGE SURVEY
SEPTEMBER 12, 2015

SHEET IDENTIFICATION
V-103
Sheet 3 of 3