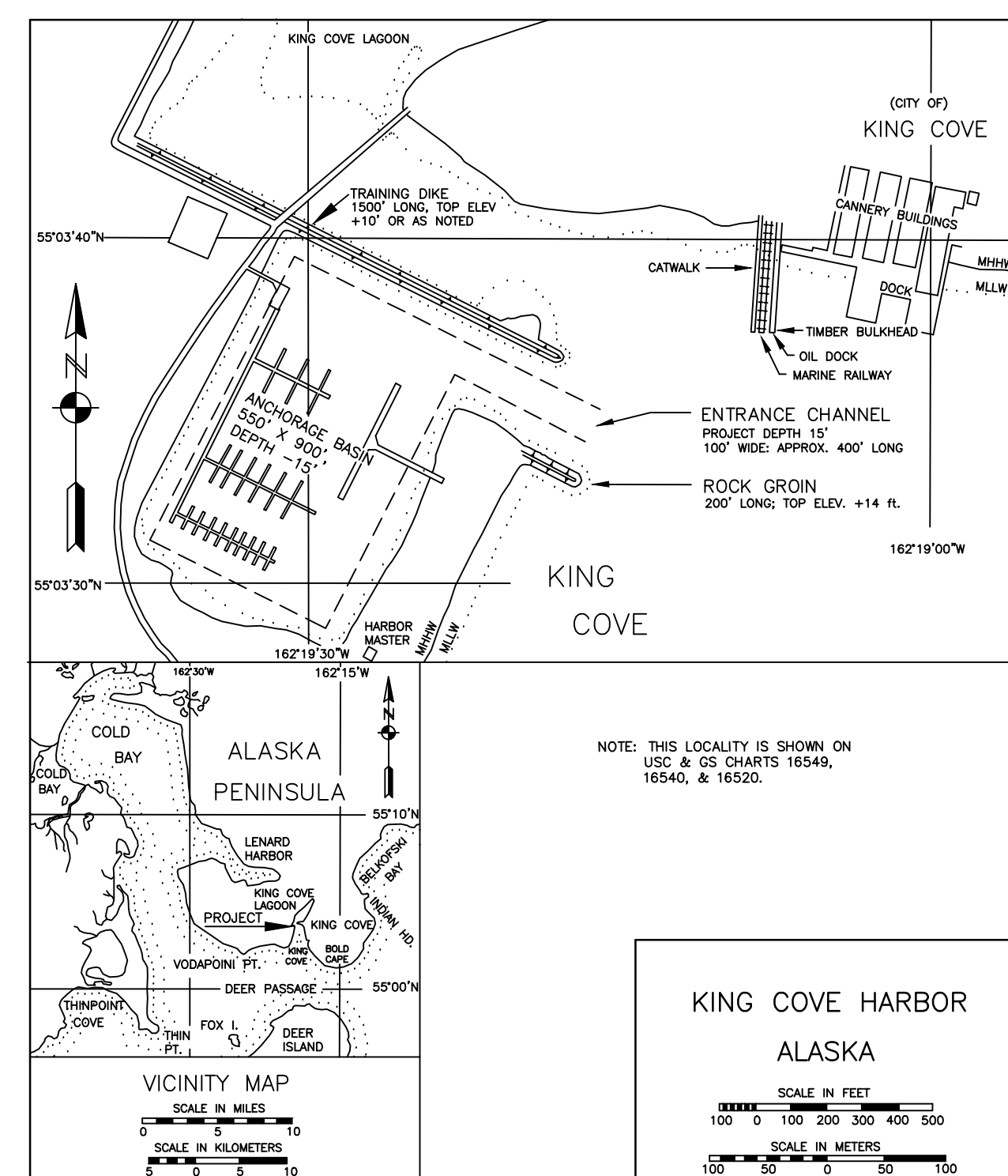
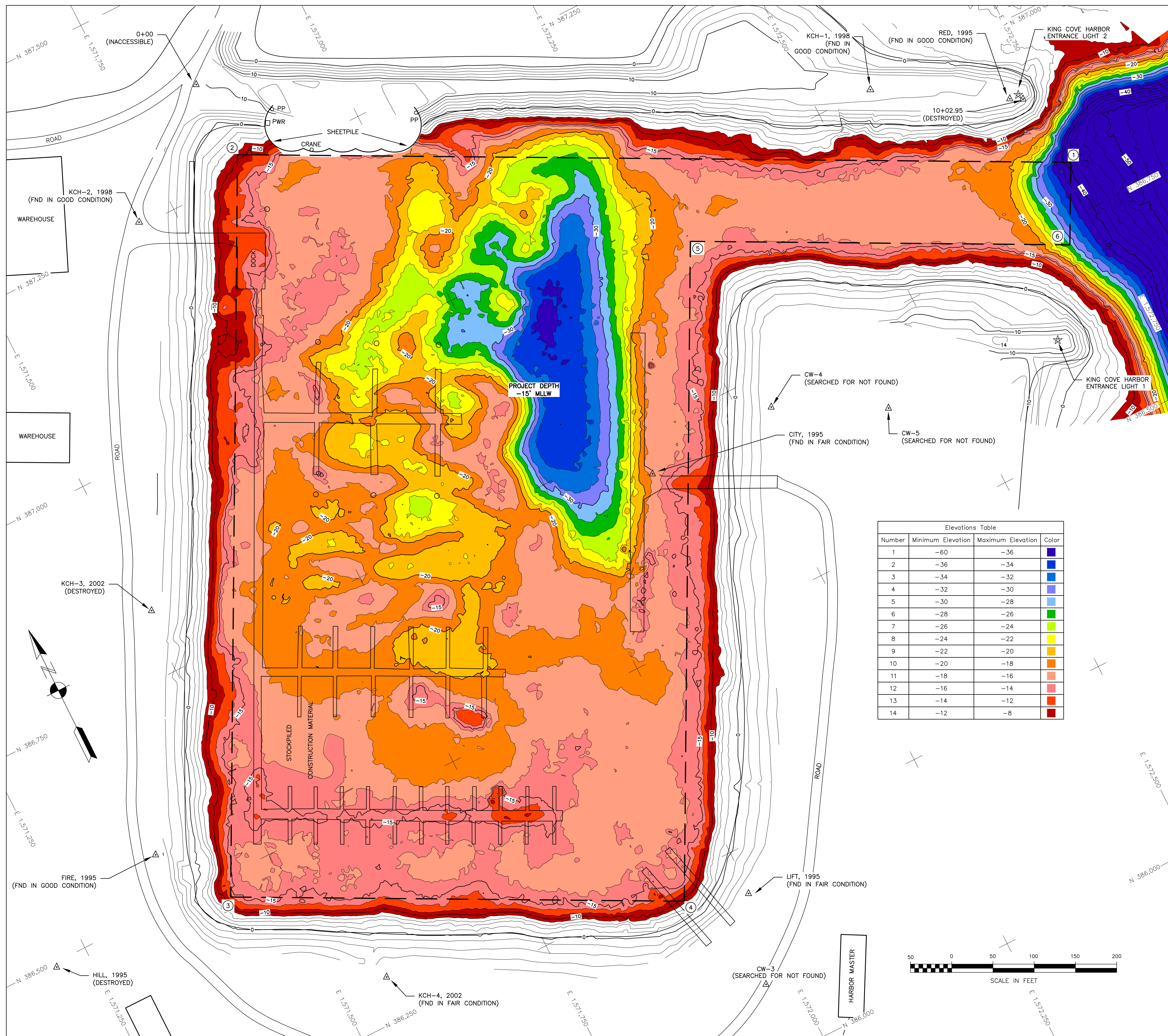




NOTES

- HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 7, NAD83, IN US SURVEY FEET, HOLDING DOMED BC "KCH-4, 2002" AS N 386,303.11, E 1,571,560.49 AND ALUM. CAP "FIRE, 1995" AS N 386,561.62, E 1,571,377.40.
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- HORIZONTAL CONTROL WAS UPDATED THROUGH A STATIC GPS NETWORK AND A LEAST SQUARES ADJUSTMENT. ADJUSTMENT WAS COMPLETED HOLDING USACE SBC "KCH-1 1998" AS N 386,998.71, E 1,572,568.92 AND SBC "BNH-1 2010" AS N 384,599.33, E 1,572,114.07.
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Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-60	-36	Blue
2	-36	-34	Blue
3	-34	-32	Blue
4	-32	-30	Blue
5	-30	-28	Blue
6	-28	-26	Green
7	-26	-24	Green
8	-24	-22	Yellow
9	-22	-20	Yellow
10	-20	-18	Orange
11	-18	-16	Orange
12	-16	-14	Red
13	-14	-12	Red
14	-12	-8	Red

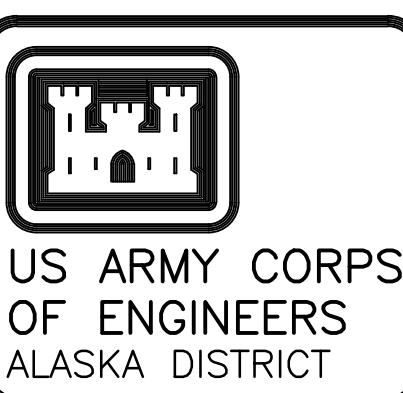
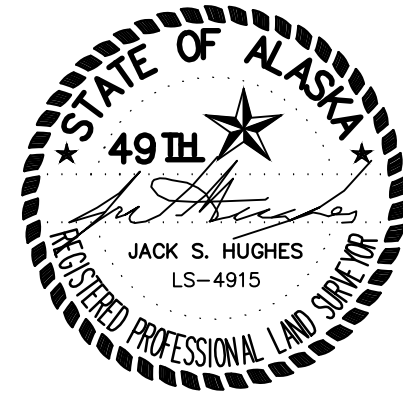
CONTROL DATA			
STATION	NORTHING	EASTING	ELEV.
0+00*	387,372.79	1,571,842.53	10.98
10+02.95	-	-	DESTROYED
CW-3*	386,087.70	1,571,966.86	-
CW-4*	386,709.42	1,572,288.28	-
CW-5*	386,644.13	1,572,414.60	-
RED, 1995	386,912.57	1,572,714.92	6.94
LIFT, 1995	386,195.55	1,571,997.68	13.01
FIRE, 1995	386,561.62	1,571,377.40	12.48
HILL, 1995	-	-	DESTROYED
CITY, 1995	386,702.08	1,572,123.29	12.46
KCH-1, 1998	386,998.71	1,572,568.92	9.62
KCH-2, 1998	387,255.25	1,571,705.42	12.71
KCH-3, 2002	-	-	DESTROYED
KCH-4, 2002	386,303.11	1,571,560.49	10.67
KCH-5, 2006	385,708.58	1,571,759.69	16.28
KCH-6, 2006	385,666.77	1,572,613.48	12.44
BNH-1, 2010	384,599.33	1,572,114.07	15.72
BNH-2, 2010	384,808.29	1,571,519.59	14.92
BNH-3, 2010	385,824.89	1,572,274.91	17.86

NOTE: MONUMENTS WITH AN ASTERISK () HAVE NOT HAD THEIR COORDINATES OR ELEVATIONS UPDATED BECAUSE THEY WERE INACCESSIBLE AT THE TIME OF THE SURVEY.

PROJECT LIMITS					
CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	386,810.57	1,572,745.98	4	386,222.44	1,571,923.92
2	387,274.51	1,571,848.82	5	386,933.09	1,572,291.31
3	386,475.05	1,571,435.43	6	386,721.78	1,572,699.99

NAVIGATION AIDS			
DESCRIPTION	USCG NO.	NORTHING	EASTING
KING COVE HARBOR ENTRANCE LIGHT 1	27185	386,625	1,572,635
KING COVE HARBOR ENTRANCE LIGHT 2	27190	386,912	1,572,726

VOLUME COMPUTATIONS	
VOLUME AVAILABLE TO PROJECT DEPTH (-15 FT)	892 cy
VOLUME AVAILABLE BETWEEN PROJECT DEPTH (-15 FT) AND MAX-PAY DEPTH (-16 FT)	1991 cy
VOLUME AVAILABLE ALONG SIDE SLOPES	1557 cy
TOTAL VOLUME AVAILABLE	4440 cy



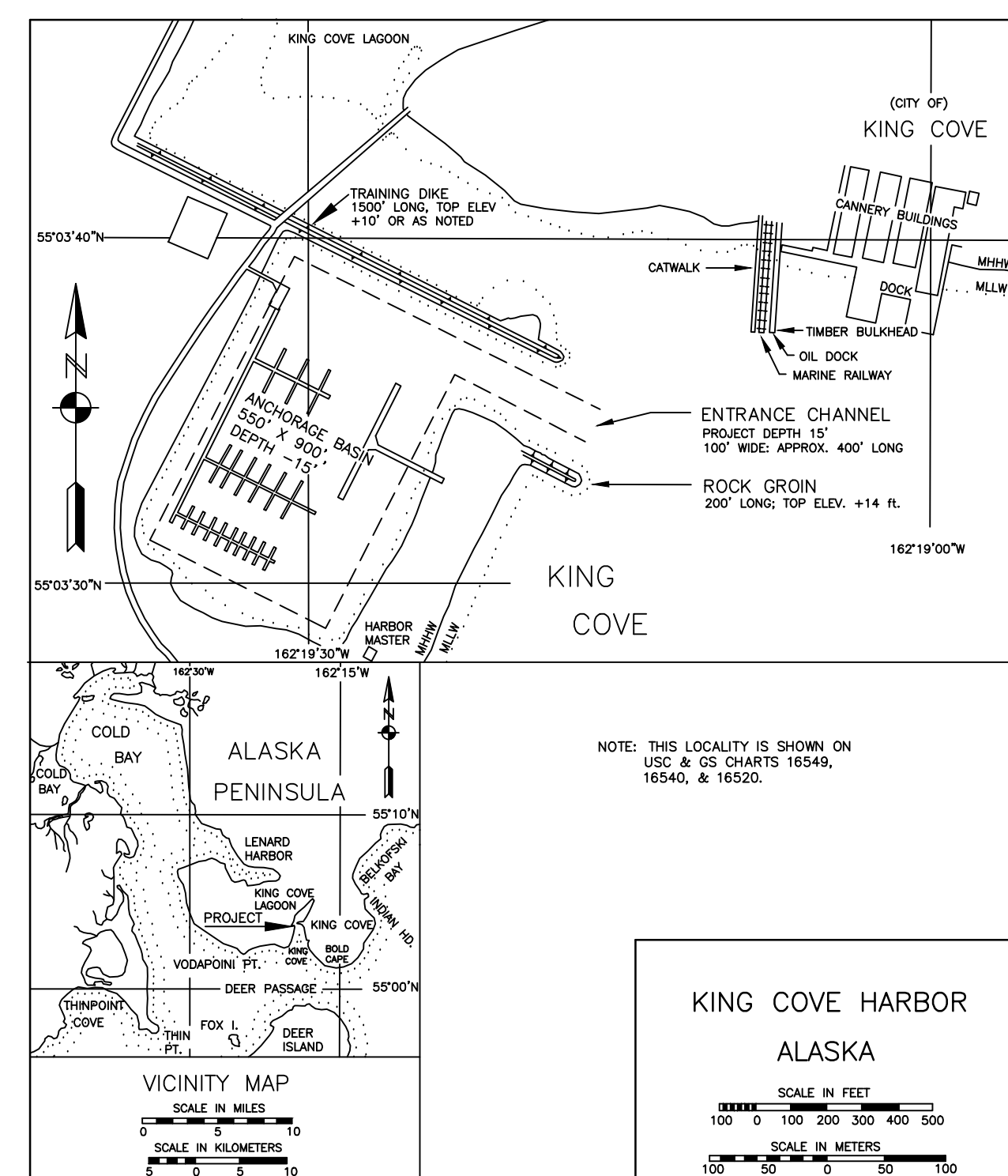
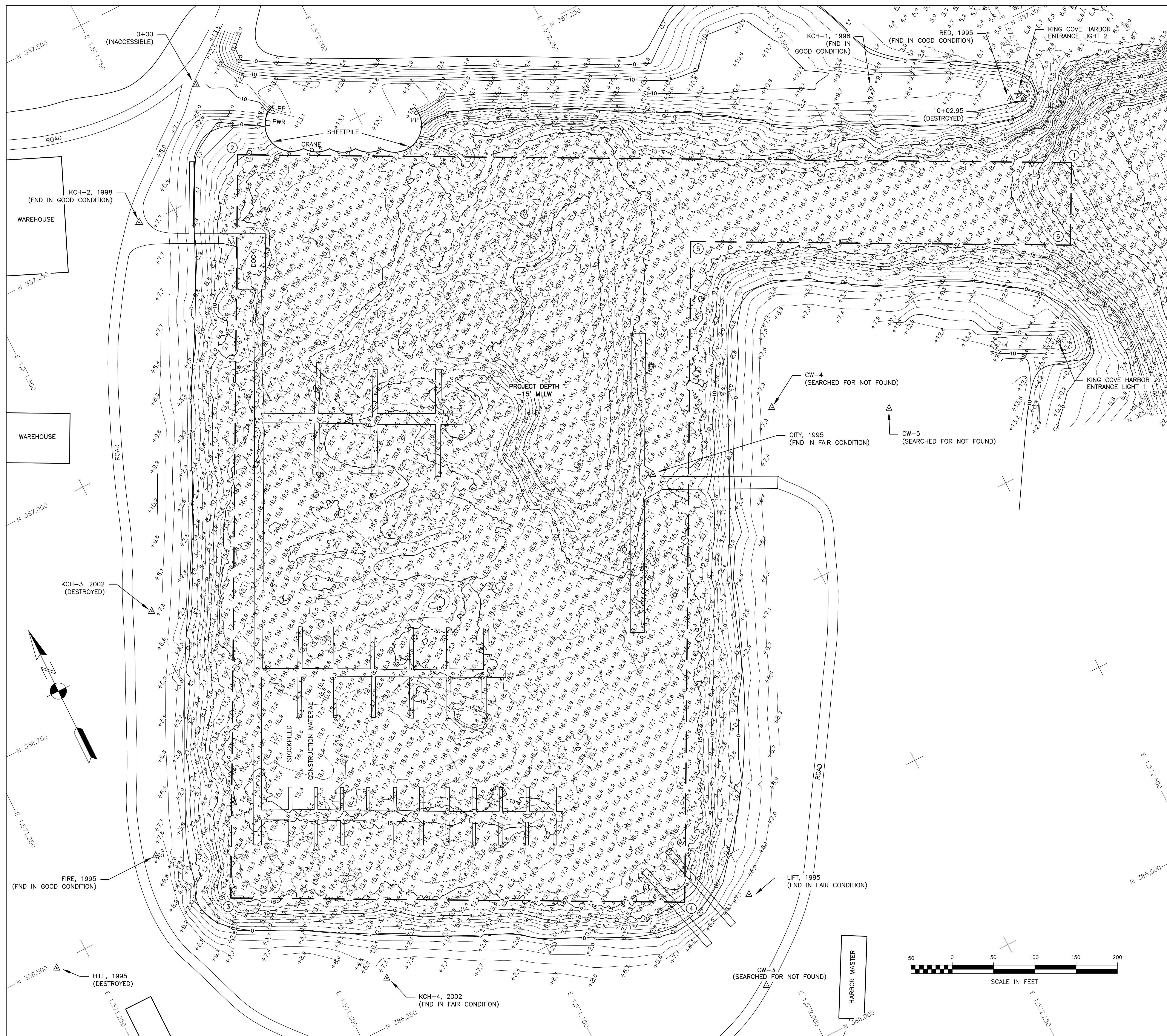
CONTRACT NO. W911KB-10-D-0005
CONTRACTOR HUGHES AND ASSOCIATES
CITY WASILLA STATE AK
Recommended: _____ Approved: _____
PRIME CONTRACTOR RESIDENT ENGINEER

Date	Description	Sym.	Action	Amount

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA
Designed: REH
Drawn: CSU
Reviewed: CSU
Submitted: _____
Checked: _____
Date: 09/07/10
Dwg. Scale: 1"=50'
Plot Scale: _____
Section: _____
Drawing #: _____

KING COVE, ALASKA
KING COVE HARBOR
CONDITION SURVEY
AUGUST 4-8, 2010

Reference number:
V-701
Sheet 2 of 2



NOTES

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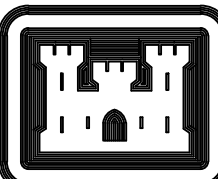
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US ARMY CORPS OF ENGINEERS
ALASKA DISTRICT

CONTRACT NO. W911KB-10-D-0005

CONTRACTOR HUGHES AND ASSOCIATES

CITY WASILLA STATE AK

Recommended: _____ Date: _____

PRIME CONTRACTOR _____ Resident Engineer _____

Sym.	Action	Description	Date	Appvd.

Date: 09/07/10

Draw Scale: 1"=50'

Plot Scale: _____

File: _____

Drawn: _____

Designed: _____

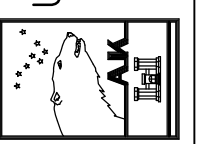
Drawn: REH

Reviewed: CSJ

Submitted: _____

Chief: _____

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



KING COVE, ALASKA
KING COVE HARBOR
CONDITION SURVEY
AUGUST 4-8, 2010

Reference number:

V-101

Sheet 1 of 2