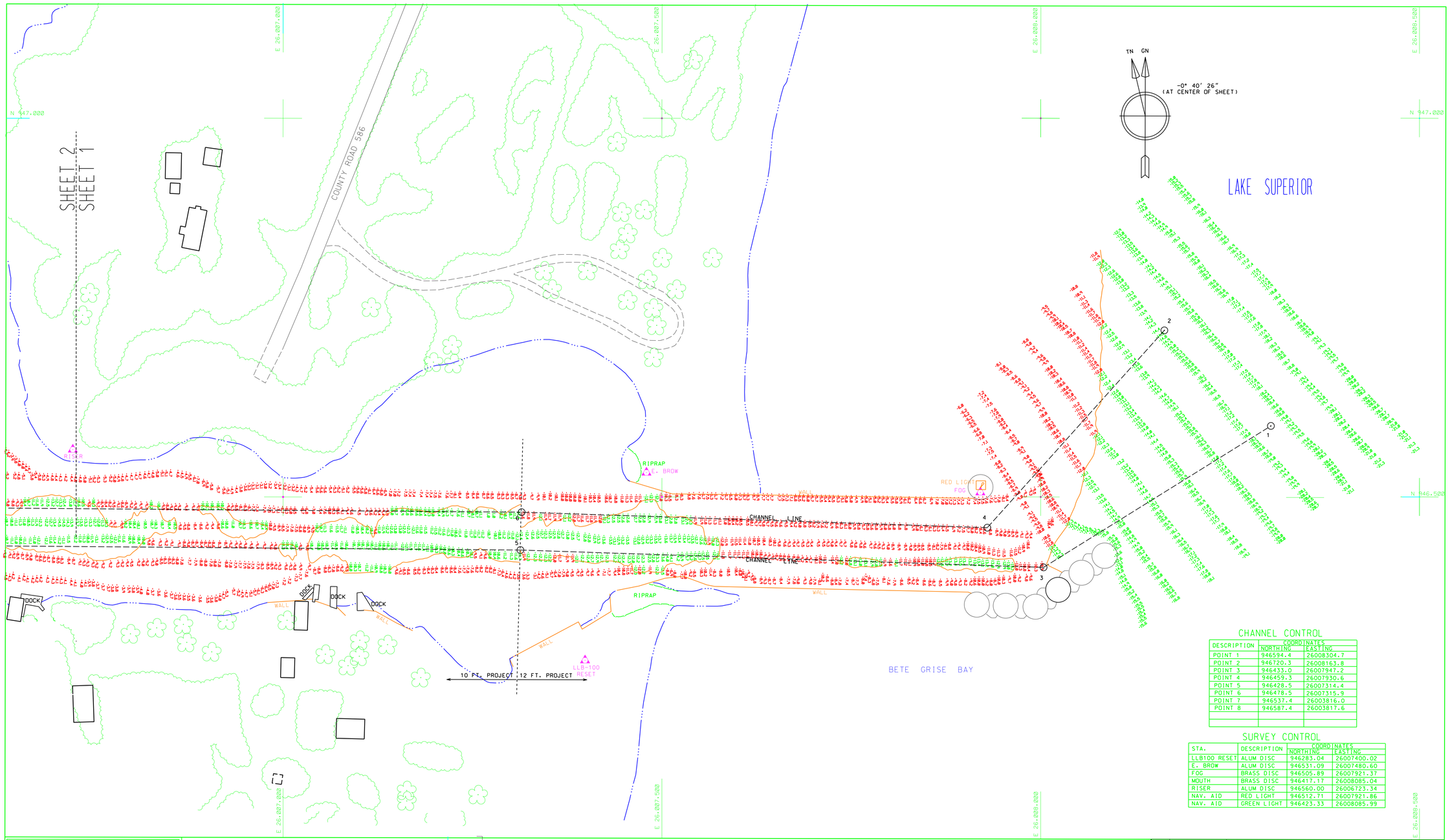
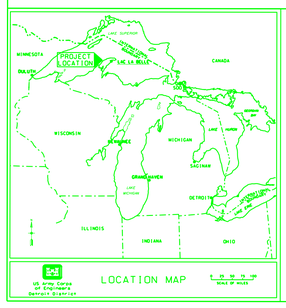


CHANNEL CONTROL

DESCRIPTION	COORDINATES	
	NORTHING	EASTING
POINT 1	946594.4	26008304.7
POINT 2	946720.3	26008163.8
POINT 3	946433.0	26007947.2
POINT 4	946459.3	26007930.6
POINT 5	946428.5	26007314.4
POINT 6	946478.5	26007315.9
POINT 7	946537.4	26003816.0
POINT 8	946587.4	26003817.6

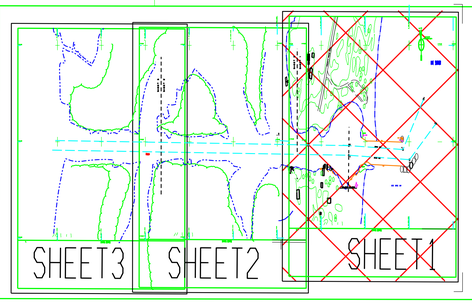
SURVEY CONTROL

STA.	DESCRIPTION	COORDINATES	
		NORTHING	EASTING
LLB100 RESET	ALUM DISC	946283.04	26007400.02
E. BROW	ALUM DISC	946531.09	26007480.60
FOG	BRASS DISC	946505.89	26007921.37
MOUTH	BRASS DISC	946417.17	26008085.04
RISER	ALUM DISC	946560.00	26006723.34
NAV. AID	RED LIGHT	946512.71	26007921.86
NAV. AID	GREEN LIGHT	946423.33	26008085.99



LOCATION MAP

US Army Corps of Engineers Detroit District



NOTES

1) THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THAT TIME.

2) ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 601.1 ABOVE MEAN SEA LEVEL, I.G.L.D. 1985.

3) PROJECT DEPTHS FOR THIS AREA ARE 10' & 12'

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD 83), US FOOT.

5) THE LOCATION OF NAVIGATION BUOYS REPRESENTS THE GENERAL LOCATION ON THE DATE OF THE SURVEY AND CANNOT BE CONSIDERED FOR NAVIGATION.

6) THE SURVEY SHOWN WAS CONDUCTED BY D.C. GOLTZ, SURVEY CHIEF ON 24 APRIL, 2012 USING D.G.P.S. POSITIONING, AN INNERSPACE 448 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

50 0 50 100 150

1" = 50'

COMBINED GRID SCALE FACTOR = 1.00000679

GRID DIST. DIVIDED BY COMBINED GRID SCALE FACTOR = GROUND DIST.

LEGEND

- HORIZONTAL CONTROL POINT
- NO. — DREDGING LIMIT TURNING POINT
- CHANNEL LINE TURNING POINT
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR

NO.	DATE	REVISION	BY

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF, PROJ OPNS SEC.
APPROVED:
CHIEF, CONST.-OPNS. DIVN.

LAC LA BELLE HARBOR
MICHIGAN
CONDITION SURVEY- APRIL 2012

DULUTH AREA OFFICE — DULUTH, MN

APPROVAL RECOMMENDED: DATE

CHIEF, OTS BRANCH

SCALE AS SHOWN 1" = 50'

CADD FILE NAME MI_LacLaBelle_01C_2012.dgn

DRAWING NUMBER

SHEET 1 OF 3

LAB7570/1-3