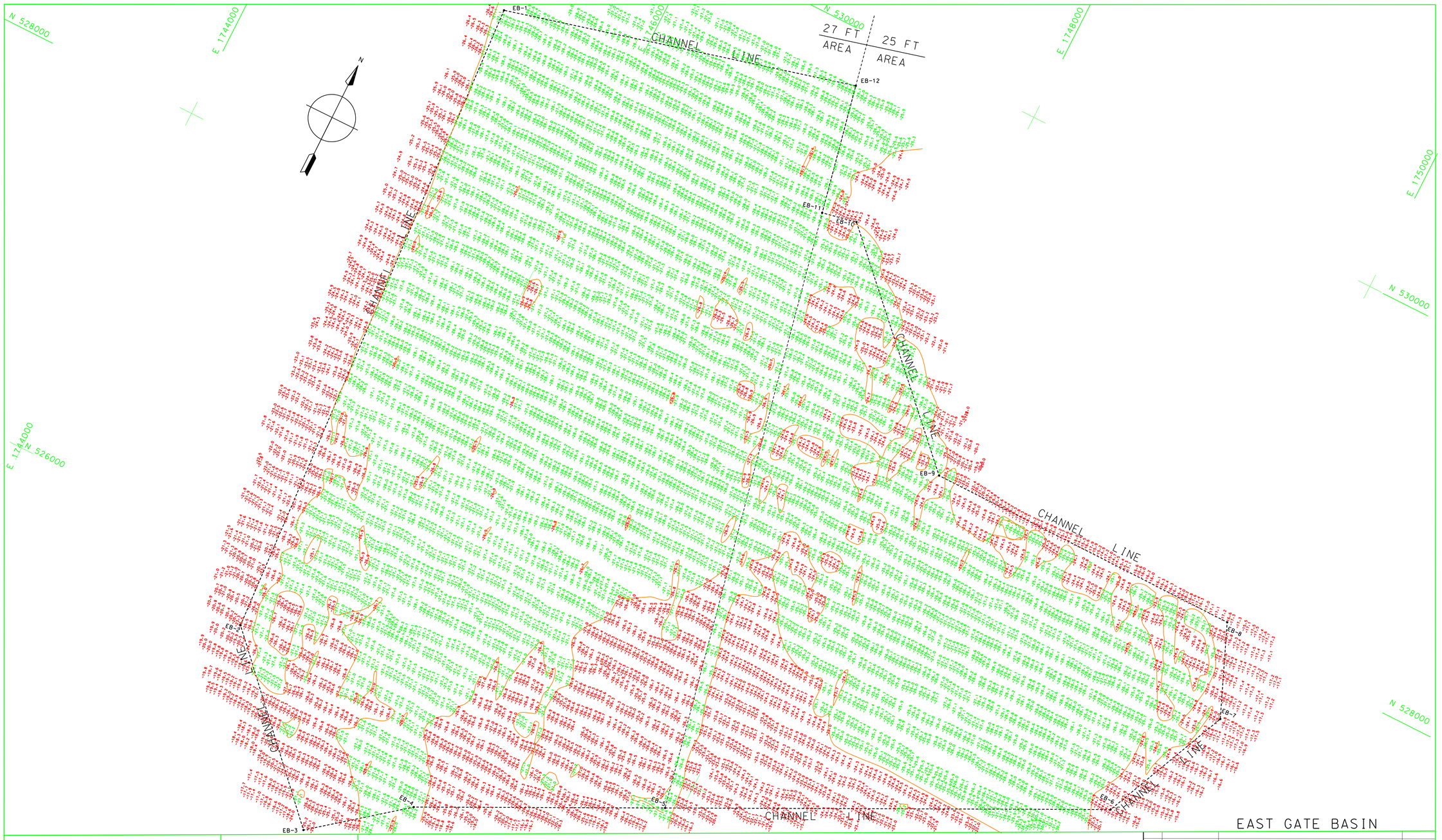


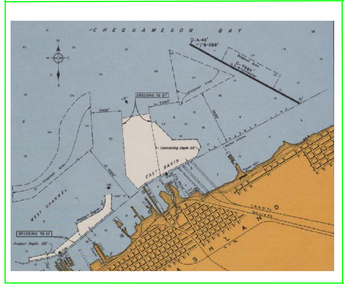

## NOTES

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 27'& 25'

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (4801), 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. GOLTZ, PARTY CHIEF DURING 27 JULY 2011, USING D.G.P.S. POSITIONING, AN ODOM CV3 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

## COORDINATE TABLE

| STA. | DESCRIPTION | COORDINATES | |
|---|---|---|---|
| | | NORTHING | EASTING |
| CHN. PT.EB-1 | S. CHANNEL LINE | 529239.97 | 1745232.16 |
| CHN. PT.EB-2 | S. CHANNEL LINE | 525680.72 | 1745464.46 |
| CHN. PT.EB-3 | N. CHANNEL LINE | 524855.97 | 1746256.02 |
| CHN. PT.EB-4 | N. CHANNEL LINE | 525229.83 | 1746723.35 |
| CHN. PT.EB-5 | N. CHANNEL LINE | 525827.92 | 1747916.50 |
| CHN. PT.EB-6 | N. CHANNEL LINE | 526887.95 | 1750031.18 |
| CHN. PT.EB-7 | S. CHANNEL LINE | 527581.58 | 1750332.80 |
| CHN. PT.EB-8 | S. CHANNEL LINE | 528059.35 | 1750132.45 |
| CHN. PT.EB-9 | N. CHANNEL LINE | 528067.05 | 1748414.05 |
| CHN.PT.EB-10 | N. CHANNEL LINE | 529076.51 | 1747412.29 |
| CHN.PT.EB-11 | N. CHANNEL LINE | 529037.99 | 1747227.35 |
| CHN.PT.EB-12 | N. CHANNEL LINE | 529723.80 | 1747080.94 |
| MON. ASH-1 | COE MON. ALUM. CAP | 521218.559 | 1743384.193 |
| MON. ASH-2 | COE MON. ALUM. CAP | 520037.936 | 1741979.660 |
| MON. ASH-3 | COE MON. ALUM. CAP | 525272.717 | 1748274.321 |
| MON. IF-3 | COE MON. ALUM. CAP | 522132.460 | 1744946.528 |

SCALE IN FEET
200 0 200 400 600 800 1000

## legend

- horizontal control point
- ⊙ no. — dredging limit turning point
- channel line turning point
- channel line
- dredging limit
- shoreline
- project depth contour

EAST GATE BASIN

| 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.

# ASHLAND HARBOR
## WISCONSIN
## CONDITION SURVEY - JULY 2011

DULUTH AREA OFFICE — DULUTH, MN

APPROVAL RECOMMENDED:* DATE
CHIEF, OPS BRANCH

APPROVED:*
CHIEF, CONST.-OPNS. DIVN.
* AS REQUIRED BY ENGINEERING CIRCULAR 1110-1-76)

SCALE AS SHOWN 1" = 200'
CADD FILE NAME ashland_EGB_C11.DGN
DRAWING NUMBER
SHEET 1 OF 1

THIS PLAN ACCOMPANIES CONTRACT NO.
MODIFICATIION NO.

INVITATION NO. DACW

ASH7570/EGB-01