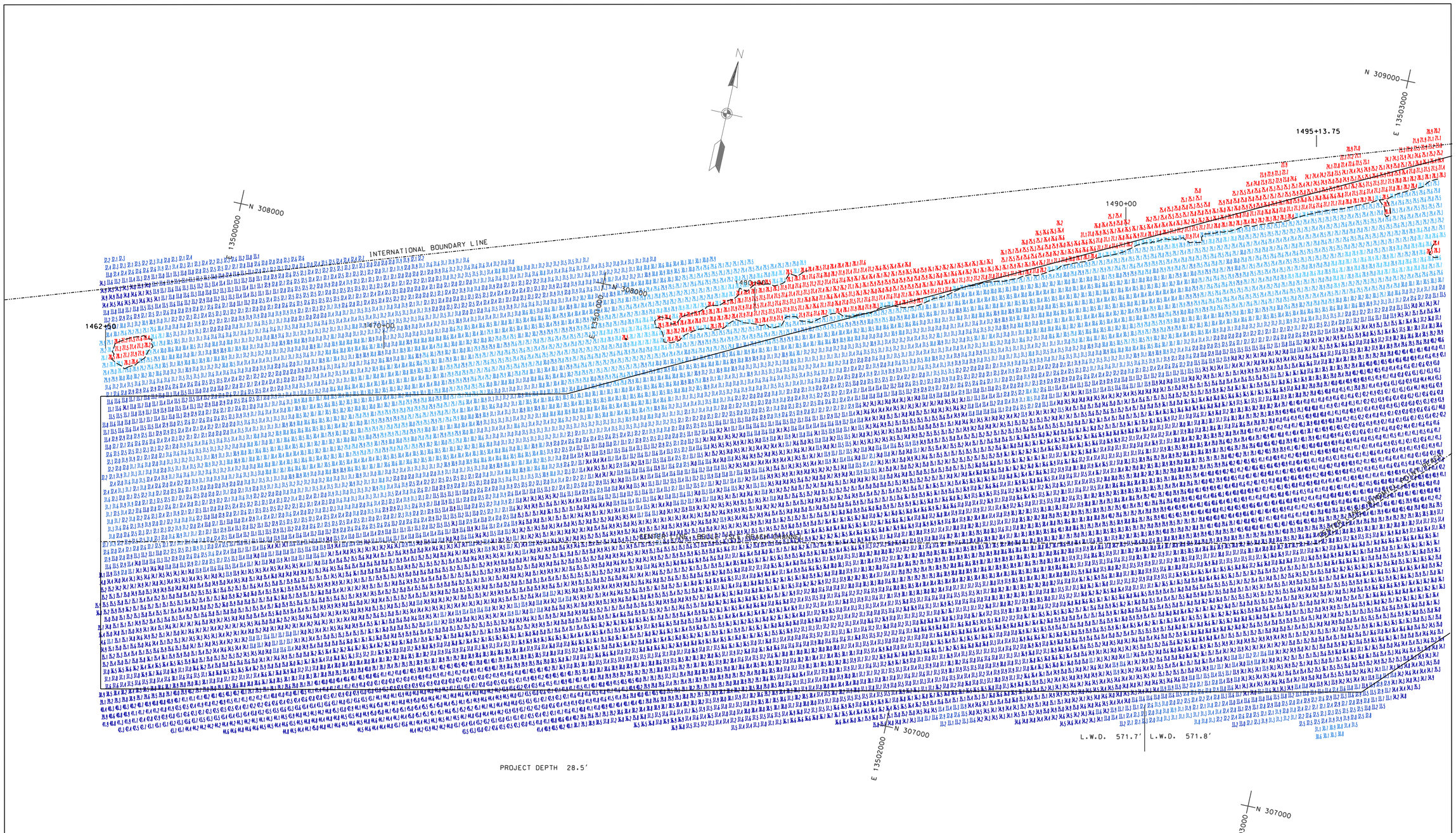

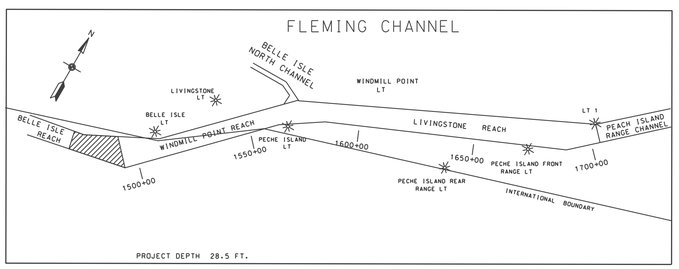

LEGEND

- 0.0'
- 28.5'
- 29.0'
- 30.0'
- 31.0'
- 32.0'
- 33.0'
- 34.0'
- > 35.0'

28.5 ft. PROJECT DEPTH CONTOUR

NOTES:

1) THE SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.

2) THE SOUNDINGS DEPICTED HEREIN ARE EXPRESSED IN U.S. SURVEY FEET AND TENTHS THEREOF AND ARE REFERENCED TO THE FOLLOWING DATUMS:
HORIZONTAL: MICHIGAN STATE PLANE COORDINATE SYSTEM, MICHIGAN SOUTH ZONE #2113, NORTH AMERICAN DATUM (NAD) OF 1983.
VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985.

3) THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL WHEELER EMPLOYING THE FOLLOWING COMPONENTS:
POSITIONING: APPLANIX POS-MV4 W/DGPS CORRECTIONS, U.S.C.G. BEACON #838
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: R2SONIC 2024 (MULTIBEAM TRANSDUCER)
SOFTWARE: HYPACK 2013

4) TIDE CORRECTION VALUES DERIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATION(S) AS FOLLOWS: TIDE VALUES USED WERE OBTAINED FROM THE NOAA GAGES AT FT WAYNE (26%) AND WINDMILL POINT (74%), REFERENCED TO IGLD OF 1985.

5) THE EDITED MULTIBEAM DATA WAS SORTED INTO A 20 FT. BY 20 FT. MATRIX WHERE THE AVERAGE MINIMUM SOUNDING WAS SELECTED FOR PLOTTING AT THE CELL CENTER.

US ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

UNITED STATES ARMY CORPS OF ENGINEERS
DETROIT AREA OFFICE, DETROIT, MICHIGAN

EXISTING CONDITIONS
FLEMING CHANNEL
DETROIT RIVER, MI
CS 1462+50 TO CS 1495+00

DRAWN BY: J.K.P.
CHECKED BY: C.V.L.
DATE OF SURVEY: 24 NOVEMBER 2015

100' 0' 100' 200'
SCALE 1" = 100'

SHEET 1 OF 7