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 LAUNCH 3053 EMPLOYING THE FOLLOWING COMPONENTS:
POSITIONING: APPLANIX POS-MV4 W/GPS
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: ODOM CV-200
SOFTWARE: HYPACK 2013

4) WATER LEVELS USED WERE REFERENCED TO TBM SAIL LOCATED AT THE FOOT OF THE 5TH STREET

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
37C	13,248,683.70	763,832.38
39	13,248,290.89	762,044.57
41	13,248,249.55	761,746.40
43	13,248,076.09	761,141.38
44	13,248,488.41	763,875.53
45	13,247,973.72	760,864.32
46	13,248,008.11	761,698.15
48	13,247,866.12	761,207.05
50	13,247,781.35	760,919.26

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
15	13,248,061.86	761,481.10

HORIZONTAL CONTROL

- THIRD ORDER
- LESS THAN THIRD ORDER
- THIRD ORDER & BENCHMARK
- VALUE UNKNOWN

VERTICAL CONTROL

- BENCHMARKS

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

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

CONDITION SURVEY
SAGINAW RIVER, MI

CS 283+00 TO CS 319+00

DRAWN BY: B.R.

CHECKED BY: C.V.L.

DATE OF SURVEY: 28 MAY 2016

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

SHEET 11 OF 30