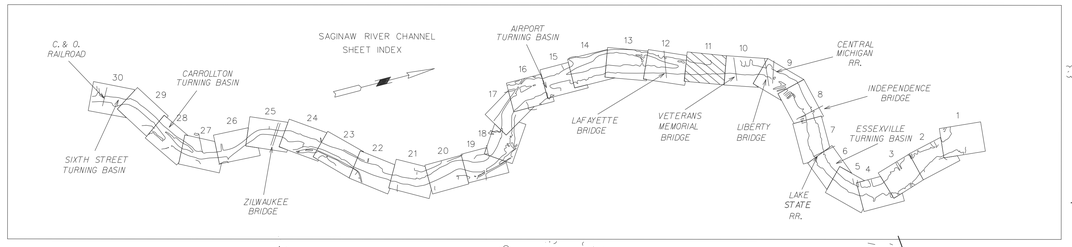

CHANNEL LINE T.P.

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

LEGEND

0.0'
22.0'
23.0'
24.0'
25.0'
26.0'
27.0'
>28.0'

22.0 ft. PROJECT DEPTH CONTOUR

100' 0' 100' 200'

SCALE 1" = 100'

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/DGPS

MOTION COMPENSATION: APPLANIX POS-MV4

SONAR: ODOM CV-300
SOFTWARE: HYPACK 2015

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

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.	REMARK	DESCRIPTION

DATE OF SURVEY: 20180427
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
SURVEYED BY: RS, KB
DWN BY: KB
CKD BY: MH
SUBMITTED BY: Christopher S. Lyncheski
APPROVED BY: Christopher S. Lyncheski
DATE: 2/18/2019
SCALE: 1" = 100'
SIZE: ANSI E
FILE NAME: Sagnaw Sheet 11.dgn

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
477 MICHIGAN AVE
DETROIT, MI 48226

DETROIT AREA OFFICE
6393 WEST JEFFERSON AVE
DETROIT, MI 48209

SAGINAW RIVER
MICHIGAN
CONDITION OF CHANNEL
APRIL 2018

SHEET IDENTIFICATION

SHEET 11 OF 30