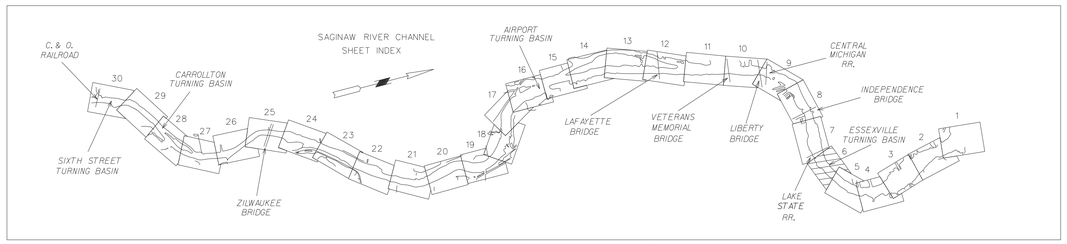

E 13,259,500 E 13,260,000 E 13,260,500

TRUE NORTH
GRID NORTH
0°-31'-02.92"

GRID SCALE FACTOR: 0.999987625
GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

N 771,000 N 770,500 N 770,000 N 769,500

DOW CHEMICAL CO.
SLAB
RUINS
RAMP
PIER
PILINGS
ABV. GROUND PIPES
C.S. 120+00
C.S. 130+00
C.S. 140+00
PROJECT DEPTH 25.0 FT.
ESSEXVILLE TURNING BASIN
PROJECT DEPTH 25.0 FT.
MATCH SHEET 5
MATCH SHEET 7
Gage board
TBTP 1
TBTP 2
TBTP 3
TBTP 4
TBTP 5
TBTP 6
TBTP 7
TBTP 8
TBTP 9
TBTP 10
CLTP 11
CLTP 13
CLTP 14
CLTP 16
CL 5
WIRT DOCK-ESSEXVILLE
PARKING
CONC.
CONVEYOR
TRIPLE CLEAN PETROLEUM
TANKS
TANK
DIKE
WALL
RUINS
WOODSIDE AVE.

CHANNEL LINE T.P.		
T.P.	EAST X	NORTH Y
11	13,259,787.92	770,825.04
13	13,258,826.66	770,425.01
14	13,259,694.74	771,003.04
16	13,258,824.49	770,648.63

CENTER LINE T.P.		
T.P.	EAST X	NORTH Y
5	13,259,741.33	770,914.04
6	13,258,853.08	770,552.29

TURNING BASIN T.P.		
T.P.	EAST X	NORTH Y
1	13,260,872.56	771,770.93
2	13,260,289.87	771,749.20
3	13,259,535.98	771,257.66
4	13,259,165.28	770,787.42
5	13,259,629.06	770,760.34
6	13,259,857.20	770,750.83
7	13,259,908.83	770,748.68
8	13,260,243.89	770,967.13
9	13,260,279.77	771,026.33
10	13,260,399.39	771,223.69

HORIZONTAL CONTROL
△ THIRD ORDER
⊙ LESS THAN THIRD ORDER
◬ THIRD ORDER & BENCHMARK
◯ VALUE UNKNOWN
VERTICAL CONTROL
◬ BENCHMARKS

LEGEND
0.0'
25.0'
36.0'
37.0'
25.0'
+25.0'
25.0 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 THE GAGE BOARD LOCATED ON THE DOWNSTREAM END OF THE CENTER PIER OF THE LAKE STATE RAILROAD BRIDGE. GAGE BOARD WAS ESTABLISHED FROM NGS BENCHMARK HL MON 16 USE (PID OJ0534)

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.	MARK

SURVEYED BY: NS, CL
DRAWN BY: MB
SUBMITTED BY: Project Engineer
PLOT SCALE: 1" = 100'
PLOT DATE: 9 JUL 2018
FILE NAME: SAGINAW_SHEET_6.dgn
SIZE: ANSI E
DATE OF SURVEY: 2 JUL 2018
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

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

DETROIT AREA OFFICE
6389 WEST JEFFERSON AVE
DETROIT, MI 48209

SAGINAW RIVER
MICHIGAN
CONDITION OF CHANNEL
2 JULY 2018

SHEET IDENTIFICATION

SHEET 6 OF 30