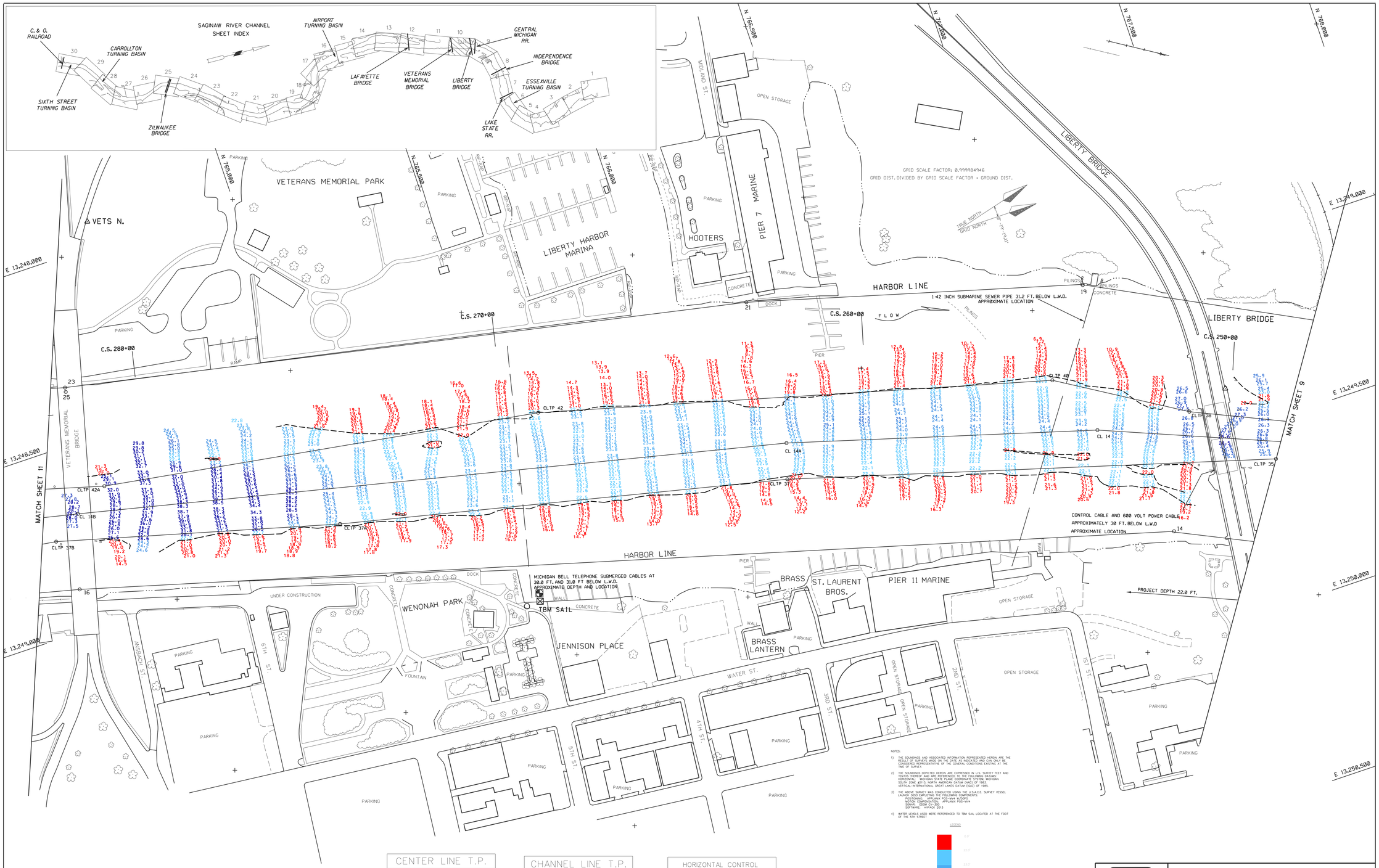

NOTES:

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 REFER TO THE PLANES OF REFERENCE AS INDICATED ON THE PLAN VIEW.
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 3003 EMPLOYING THE FOLLOWING COMPONENTS:
POSITIONING: APPLANIX POS-MV4 W/OSPD
MOTION SENSOR: APPLANIX POS-MV4
SONAR: ODOM CH-300
SOFTWARE: HYPACK 2013

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

LEGEND

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

22.0 ft. PROJECT DEPTH CONTOUR

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
14	13,249,371.63	767,065.10
14A	13,249,130.09	766,237.61
14B	13,248,687.99	764,315.38

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
35	13,249,605.40	767,508.05
37	13,249,225.86	766,207.87
37A	13,248,946.80	764,994.51
37B	13,248,741.56	764,233.66
38	13,249,404.87	767,322.57
40	13,249,200.99	766,990.92
42	13,248,830.35	765,612.69
42A	13,248,638.62	764,409.42

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 249+00 TO CS 282+00

DRAWN BY: B.R.

CHECKED BY: C.V.L.

DATE OF SURVEY: 23 APRIL, 2016

100' 0' 100' 200'

SCALE 1" = 100'

SHEET 10 OF 30