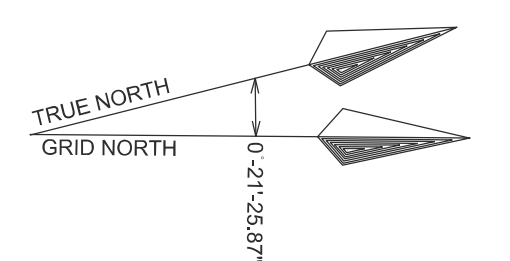
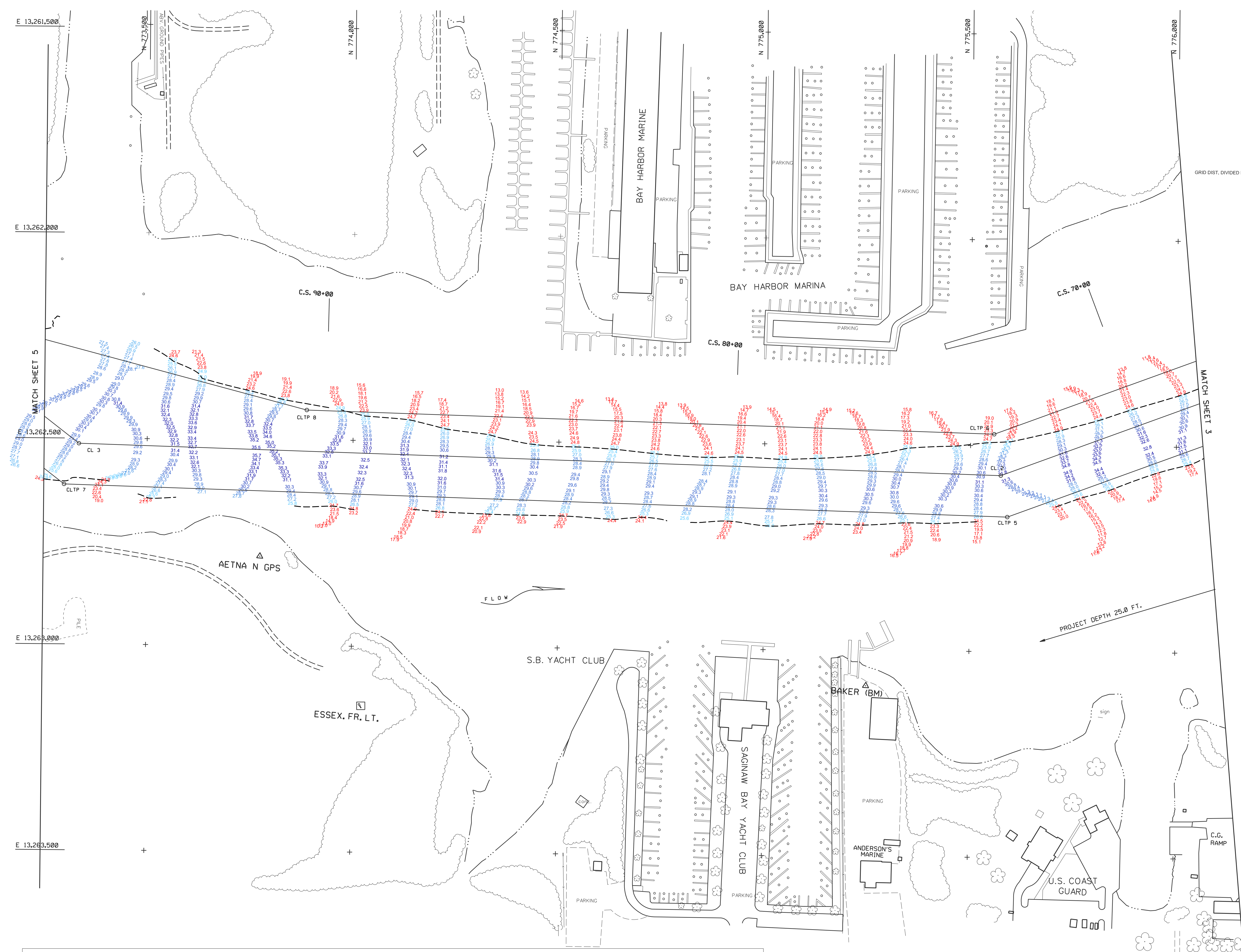
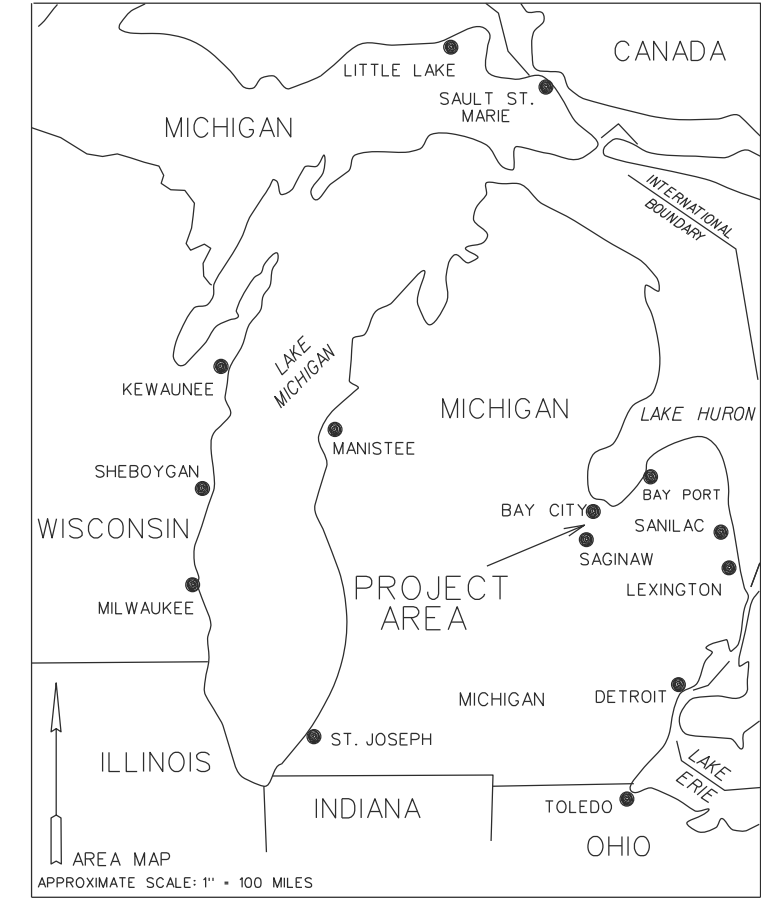


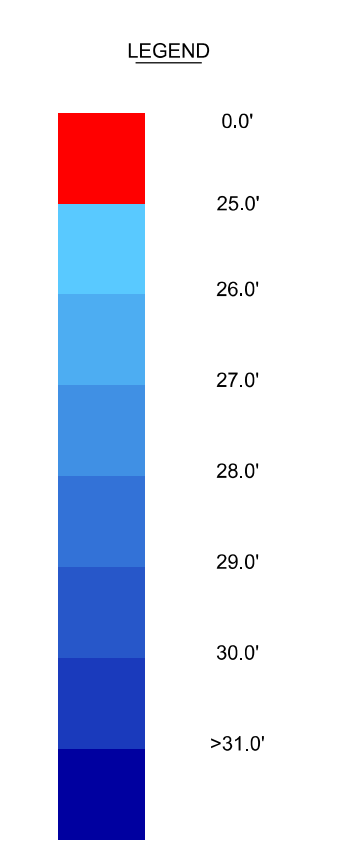
E
D
C
B
A



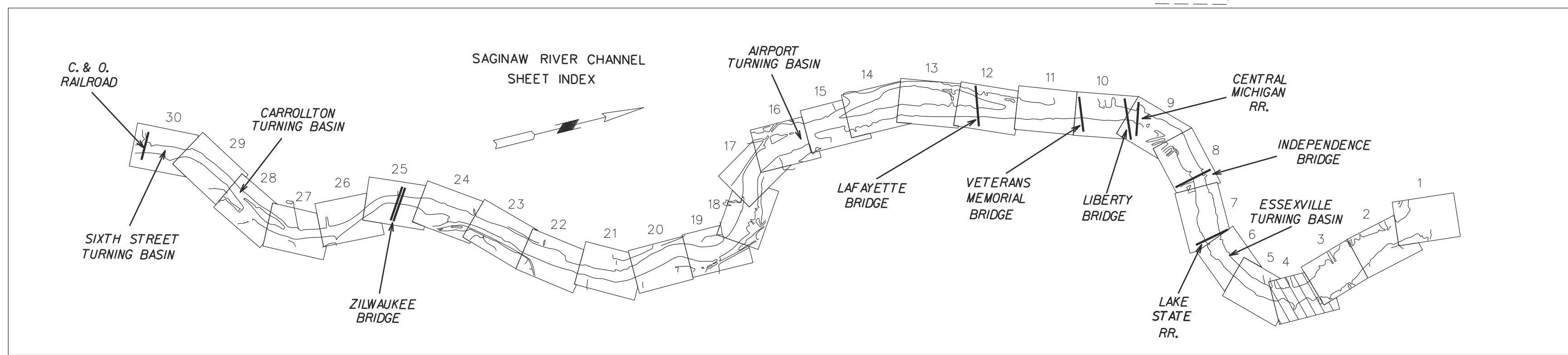
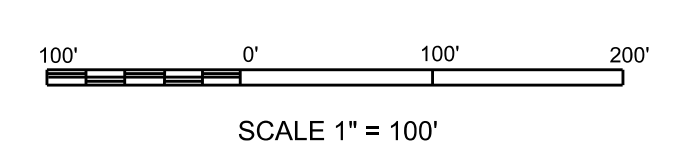
GRID SCALE FACTOR: 0.999990200
GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.



- 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 WDGPS
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: ODOM CV-300
SOFTWARE: HYPACK 2015
 - 4) GAGES USED WERE REFERENCED TO THE NOAA GAGE AT ESSEXVILLE (#9075035), AND A GAGE BOARD AT THE LAKE STATE RR BRIDGE.



25.0 R. PROJECT DEPTH CONTOUR



CENTER LINE T.P.

T.P.	EAST X	NORTH Y
1	13,262,572.59	775,573.95
2	13,262,512.53	773,354.18

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
5	13,262,673.07	775,590.60
6	13,262,472.11	775,557.30
7	13,262,611.62	773,298.89
8	13,262,427.32	773,887.15

HORIZONTAL CONTROL

- △ THRD ORDER
- LESS THAN THRD ORDER
- ⊕ THRD ORDER & BENCHMARK
- ⊙ VALUE UNKNOWN

VERTICAL CONTROL

- ⊕ BENCHMARKS

DATE OF SURVEY	FILE NUMBER
DATE OF DRAWING	FILE NAME
DATE OF SUBMISSION	FILE SIZE
DATE OF PRINTING	FILE WEIGHT

SAGINAW RIVER
MICHIGAN
CONDITION OF CHANNEL
2 JULY 2018

SHEET IDENTIFICATION