

US Army Corps of Engineers

DETROIT DISTRICT

SAGINAW RIVER

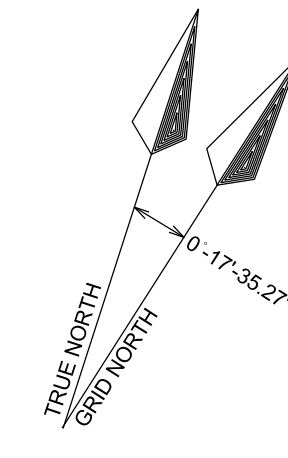
MICHIGAN

POST-DEGREE SURVEY

JULY 2019

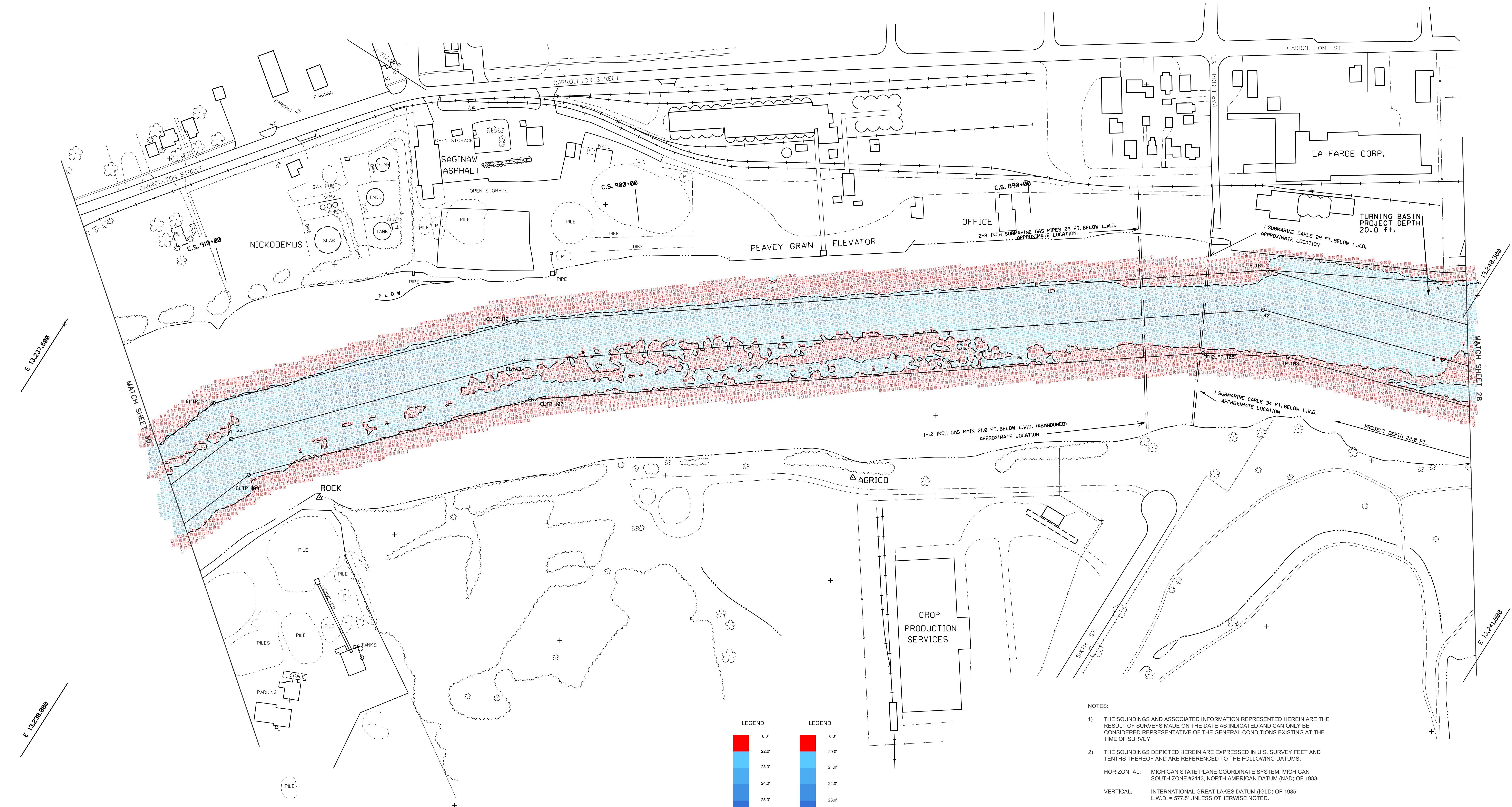
SHEET IDENTIFICATION

SHEET 28 OF 30

GRID SCALE FACTOR: 0.999954485
GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

N 713,000

N 713,500

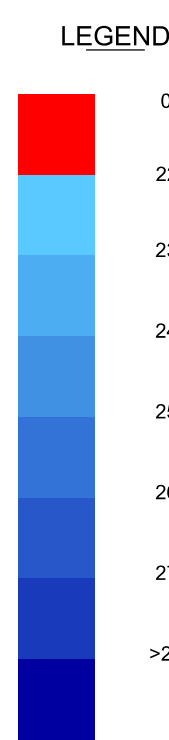


TURNING BASIN T.P.			
T.P.	EAST	NORTH	
4	13,240,389.50	712,971.20	

CENTER LINE T.P.			
T.P.	EAST	NORTH	
42	13,240,059.05	712,675.93	
43	13,238,538.03	711,551.52	
44	13,238,017.05	710,381.97	

CHANNEL LINE T.P.			
T.P.	EAST	NORTH	
103	13,240,177.04	712,607.86	
105	13,239,989.84	712,500.41	
107	13,238,605.27	711,476.87	
109	13,238,104.01	710,928.88	
110	13,240,014.36	712,767.25	
112	13,238,470.79	711,626.17	
114	13,237,930.09	711,035.06	

HORIZONTAL CONTROL	
△	THIRD ORDER
○	LESS THAN THIRD ORDER
△	THIRD ORDER & BENCHMARK
○	VALUE UNKNOWN
VERTICAL CONTROL	
⊗	BENCHMARKS



22.0 R. PROJECT DEPTH CONTOUR

20.0 R. PROJECT DEPTH CONTOUR

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.
L.W.D. = 577.5' UNLESS OTHERWISE NOTED.
- 3) THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL WHEELER EMPLOYING THE FOLLOWING COMPONENTS:
POSITIONING: APPLANIX POS-MV4 WVRIS-RTK OR MARINESTAR G2+
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: R2 SONIC 2024
SOFTWARE: HYPACK 2018
- 4) WATER LEVELS USED WERE REFERENCED TO TBM FARM BUREAU.
- 5) THE SOUNDINGS INDICATED HEREON ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET. THE SOUNDINGS REPRESENT THE MINIMUM DEPTH FOUND WITHIN THE 10 FOOT BY 10 FOOT AREA CENTERED ON THE TEXT, DERIVED FROM A 1 FOOT BY 1 FOOT AVERAGE DATASET AT CELL CENTER. THIS MAP SHOULD NOT BE USED FOR CHANNEL CLEARANCE OR VOLUME COMPUTATIONS. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SWATH REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

SAGINAW RIVER
MICHIGAN
POST-DEGREE SURVEY
JULY 2019

SHEET IDENTIFICATION

SHEET 28 OF 30