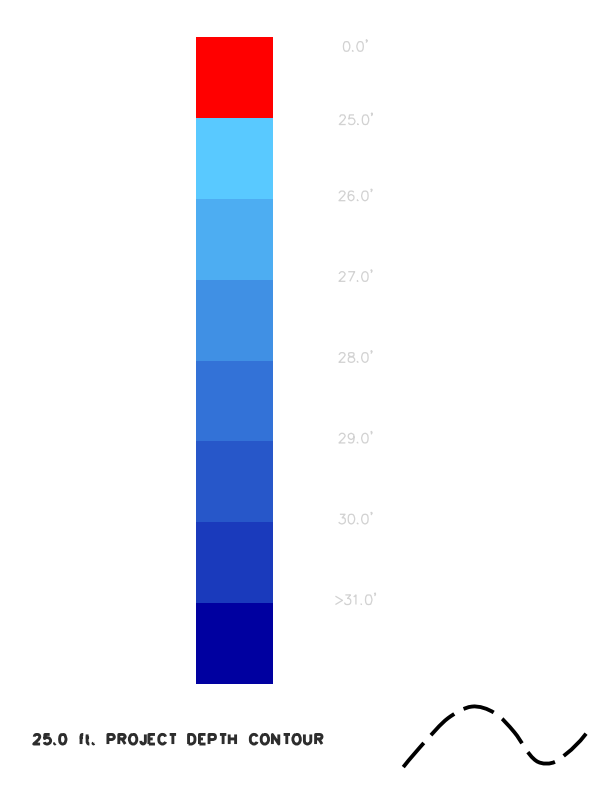


CENTER LINE T.P.		
T.P.	EAST X	NORTH Y
1	13,260,573.74	780,959.95

CHANNEL LINE T.P.		
T.P.	EAST X	NORTH Y
1A	13,260,464.02	782,269.33
3	13,260,623.12	781,282.07
3A	13,260,785.74	780,676.13
4	13,260,476.57	780,934.38



- 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 SURVEY ZONE 42113, 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 WHEELER EMPLOYING THE FOLLOWING COMPONENTS:  
POSITIONING: APPLNIX POS-MV4 W/RS-RTK  
MOTION COMPENSATION: APPLNIX POS-MV4  
SONAR: R2 SONIC 2014  
SOFTWARE: HYPACK 2016
  - 4) TIDE CORRECTION VALUES DERIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATIONS) AS FOLLOWS:  
ESSEXVILLE, MI (#9075035), L.W.D. = 577.50
  - 5) THE EDITED DATA WAS SORTED INTO A 20FT BY 20FT MINIMUM DEPTH DATASET, WITH THE RESULTING POINTS POSTED.

U.S. ARMY CORPS OF ENGINEERS		SUPERSEDING BY:		DATE OF SURVEY:	
DETROIT DISTRICT		BY: NED		2016/01/10	
477 MICHIGAN AVE		OWN BY: BR		SOLICITATION NO.:	
DETROIT, MI 48226		SUBMITTED BY:		CONTRACT NO.:	
		Christopher V. Lohman			
DETROIT AREA OFFICE		PLOT SCALE:		FILE NUMBER:	
6309 WEST JEFFERSON AVE		1" = 100'		20091271	
DETROIT, MI 48209		N.E. MARK		N.E. MARK	
		PAGE 1		Sheet 2 of 2, 290	

**SAGINAW RIVER  
MICHIGAN**

**POST-DREDGE SURVEY  
10 OCTOBER 2018**

## SHEET IDENTIFICATION