



GRID SCALE FACTOR: 0.999986646
 GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

CHANNEL LINE T.P.			
T.P.	EAST X	NORTH Y	
27	13,251,583.19	769,757.16	
29	13,251,055.83	769,390.53	
30	13,251,951.13	769,794.83	
31	13,250,356.31	768,700.23	
32	13,250,027.66	768,650.44	
34	13,249,726.89	767,809.64	
36	13,249,566.87	767,680.50	

CENTER LINE T.P.			
T.P.	EAST X	NORTH Y	
11	13,251,208.24	769,710.24	
12	13,250,274.86	768,758.24	
13	13,249,773.51	768,046.63	

- NOTES
- 1) THE SOUNDINGS AND ASSOCIATE INFORMATION REPRESENTED HEREON ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND ARE ONLY TO THE EXTENT OF THE PRESENTATION OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.
 - 2) THE SOUNDINGS AND ASSOCIATE INFORMATION ARE REFERENCED TO THE FUTURE SURVEY POINT AND MONUMENTS WITHIN THE PROJECT BOUNDARIES. THE MONUMENTS SHALL BE SET IN ACCORDANCE WITH THE SURVEYING STANDARDS OF THE PROFESSION.
 - 3) THE ABOVE SURVEY WAS CONDUCTED USING THE ULTRASONIC SURVEY METHOD. HORIZONTAL CONTROL AND VERTICAL CONTROL WERE ESTABLISHED FROM THE BENCHMARKS AND THE MONUMENTS. THE MONUMENTS WERE SET IN ACCORDANCE WITH THE SURVEYING STANDARDS OF THE PROFESSION.
 - 4) WATER LEVELS WERE MEASURED TO THE GAGE BOARD LOCATED ON THE CENTER LINE OF THE CHANNEL. WATER LEVELS WERE MEASURED TO THE GAGE BOARD WAS ESTABLISHED FROM THE BENCHMARK IN WORK ON USE.

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 217+00 TO CS 248+00
DRAWN BY: B.R.	DATE OF SURVEY: 27, MAY 2017
CHECKED BY: C.V.L.	SCALE 1" = 100'
SHEET 9 OF 30	