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 SKIFF EMPLOYING THE FOLLOWING COMPONENTS:
   POSITIONING: TRIMBLE BLUE DGPS WITH CORRECTIONS FROM BEACON FREQ 319
   MOTION COMPENSATION: N/A
   SONAR: ODOM CV-300 (SINGLEBEAM)
   SOFTWARE: HYPACK 2013

4)TIDE CORRECTION VALUES REFERENCED FROM A PAINT MARK ON SEAWALL DESCRIBED AS "TBM LIXIE," LOCATED ON TOP OF STEEL WALL SOUTH EAST OF LAUNCH (SHEET 2). ELEVATION IGLD 85 = 582.27.

MOUTH OF BLACK RIVER L.W.D. = 576.20

CONTROL POINTS (CORPSCON)

STATION	EAST	NORTH
51	13.634.792.92	550.553.76
52	13.634.547.95	552.386.52

CENTERLINE TURNING POINTS

STATION	EAST	NORTH
25	13.635.470.89	550.915.81
26	13.635.080.91	550.918.57
27	13.634.551.20	551.131.15
28	13.634.182.73	551.433.06
29	13.633.937.93	551.892.98

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

UNITED STATES ARMY CORPS OF ENGINEERS
DETROIT AREA OFFICE, DETROIT, MICHIGAN

CONDITION SURVEY
BLACK RIVER, MI
CS 140+00 TO CS 169+00

SURVEYED BY: B.R.
CHECKED BY: C.V.L.

DATE OF SURVEY: 17 AUGUST 2016

100' 0' 100' 200'
SCALE 1" = 100'

SHEET 5 OF 7