

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

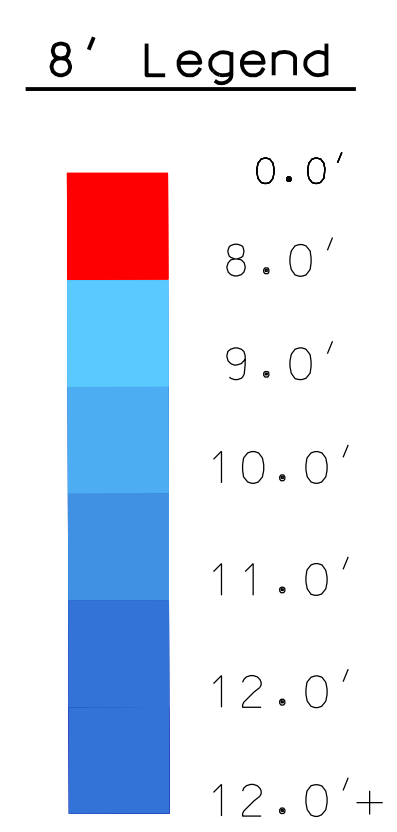
ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL I.G.L.D. 1985.

HORIZONTAL GRID SYSTEM IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, SOUTH ZONE (2113), NORTH AMERICAN DATUM 1983 (NAD83), US FOOT.

THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.

ALL NAD83 GRID AND COORDINATE DATA USED FOR THIS SHEET WERE CONVERTED FROM NAD27 COORDINATES USING CORPSCON VERSION 3.01 SOFTWARE.

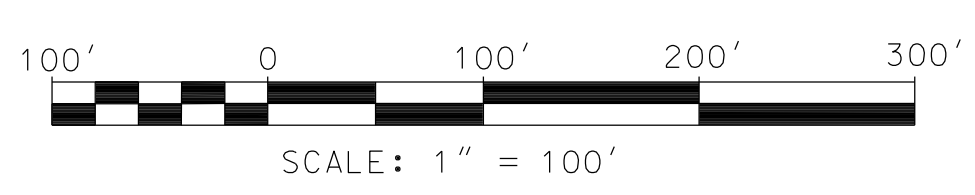
VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAGUE MARK ALONG THE SHEET STEEL WALL IN THE GRAND HAVEN GOVERNMENT BASIN.



SURVEYED ON: 30 OCTOBER 2018  
 POSITIONING METHOD: DGPS, USING C.G. BEACON CORRECTIONS  
 VESSEL: SKIFF

PROJECT DEPTH 8 FT.  
 CHANNEL LIMITS SHOWN THUS: \_\_\_\_\_  
 8 FT. CONTOUR SHOWN THUS: \_\_\_\_\_

POINT	EASTING	NORTHING
CLL7A	12,633,507.06	575,274.70
CLR7A	12,633,476.72	575,179.35
CLL8	12,633,929.42	575,155.73
CLP8	12,633,912.74	575,077.31
CLR8	12,633,907.63	575,057.98
CLL8A	12,634,379.80	575,081.04
CLR8A	12,634,358.20	574,983.26
CLL9	12,634,748.25	574,978.85
CLP9	12,634,728.01	574,933.06
CLR9	12,634,712.11	574,885.10
CLL10	12,636,132.61	574,283.90
CLP10	12,636,110.67	574,238.97
CLR10	12,636,088.73	574,194.04
CLL11	12,637,870.49	573,458.78
CLP11	12,637,853.33	573,411.58
CLR11	12,637,836.18	573,364.36
MTP1	12,632,984.80	575,407.42
MTP2	12,639,398.14	573,010.90



NO.	DATE	REVISION	BY
<b>U.S. ARMY ENGINEER DISTRICT, DETROIT</b> CORPS OF ENGINEERS DETROIT, MICHIGAN			
DRAWN BY		<b>GRAND RIVER, MICHIGAN</b> <b>CONDITION OF CHANNEL</b> <b>OCTOBER 2018</b> <b>GRAND HAVEN AREA OFFICE</b>	
DESIGNED BY			
CHECKED BY			
REVIEWED			
SUBMITTED			
APPROVAL RECOMMENDED:		DATE	
CHIEF, PROJ. OPERS. SEC.		CHIEF, OTS. BRANCH	
APPROVED		SCALE 1" = 100 FT.	
CHIEF, CONST. OPNS. DIVISION		CADD FILENAME: grand_river_2b_2018.dgn DRAWING NUMBER	
		SHEET 2B OF 11	