PROJECT DEPTH 8 FT.

CHANNEL LIMITS SHOWN THUS:

8 FT. CONTOUR SHOWN THUS:

SURVEYED ON: 16 SEPTEMBER 2014
POSITIONING METHOD: DGPS. USING C.G. BEACON CORRECTIONS
VESSEL: LAUNCH 3033

SCALE: 1" = 100'

GRAND RIVER

C/S 54+59.01

C/S 65+44.99

C/S 73+72.95

C/S 89+20.09

MATCH LINE SHEET 1B

MATCH LINE SHEET 2B

CLL7 MTP1 CLP7 CLR7 CLL7A CLR7A CLL8 CLP8 CLR8 CLL8A CLR8A CLL9 CLP9 CLR9 CLL10 CLP10 CLR10

N 575.000 N 574.000 N 573.000

E 12.633.000 E 12.634.000 E 12.635.000 E 12.636.000

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THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.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

FLOW

8' Legend

0.0'
6.0'
7.0'
8.0'
9.0'
10.0'
10.0'+

CHANNEL LINE COORDINATES

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

FRANKLIN ST

PENNOYER ST

FRIANT ST

GRANT ST

NO.	DATE	REVISION	BY

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

DRAWN BY
DESIGNED BY
CHECKED BY
REVIEWED:
SUBMITTED:
CHIEF,PROJ. OPERS. SEC.
APPROVED
PE
CHIEF, CONST. OPNS DIVISION

APPROVAL RECOMMENDED:
CHIEF, OTS BRANCH
DATE

GRAND RIVER, MICHIGAN
CONDITION OF CHANNEL
SEPTEMBER 2014
GRAND HAVEN AREA OFFICE

SCALE 1" = 100 FT.

CADD FILENAME GRC2AG14.DGN
DRAWING NUMBER

SHEET 2A OF 11