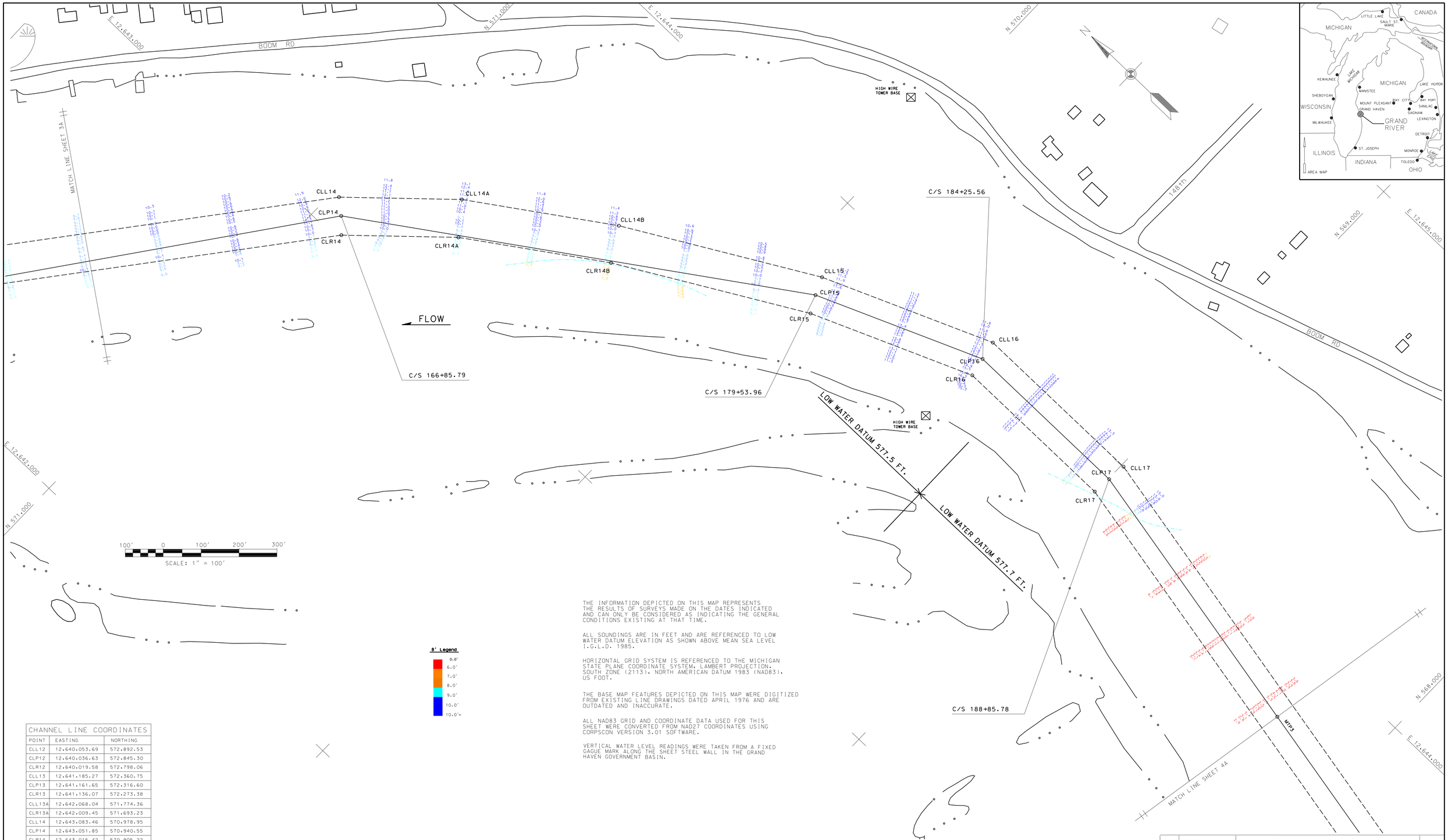

8' Legend

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

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THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.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

CHANNEL LINE COORDINATES

POINT	EASTING	NORTHING
CLL12	12.640.053.69	572.892.53
CLP12	12.640.036.63	572.845.30
CLR12	12.640.019.58	572.798.06
CLL13	12.641.185.27	572.360.75
CLP13	12.641.161.65	572.316.60
CLR13	12.641.136.07	572.273.38
CLL13A	12.642.068.04	571.774.36
CLR13A	12.642.009.45	571.693.23
CLL14	12.643.083.46	570.978.95
CLP14	12.643.051.85	570.940.55
CLR14	12.643.015.42	570.905.22
CLL14A	12.643.303.27	570.740.57
CLR14A	12.643.224.79	570.678.16
CLL14B	12.643.539.58	570.394.16
CLR14B	12.643.454.64	570.341.24
CLL15	12.643.812.27	569.913.12
CLP15	12.643.766.52	569.892.93
CLR15	12.643.722.39	569.868.90
CLL16	12.643.999.54	569.468.52
CLP16	12.643.949.59	569.458.32
CLR16	12.643.899.63	569.448.12
CLL17	12.644.001.62	568.993.42
CLP17	12.643.951.60	568.998.10
CLR17	12.643.901.58	569.002.78
MTP2	12.639.398.14	573.010.90
MTP3	12.643.806.11	568.244.44

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

PROJECT DEPTH 8 FT.

CHANNEL LIMITS SHOWN THUS: ————————————————

8 FT. CONTOUR SHOWN THUS: —·—·—·—·—·—·—·—·—·—·—·—

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.

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

APPROVAL RECOMMENDED:
CHIEF, OTS BRANCH
DATE

APPROVED
PE
CHIEF, CONST. OPNS DIVISION

SCALE 1" = 100 FT.
CADD FILENAME GRC3BG14.DGN
DRAWING NUMBER
SHEET 3B OF 11