GRAND RIVER CHANNEL LINE COORDINATES		
POINT	EASTING (X)	NORTHING (Y)
CLL3	12.630.986.33	578.403.94
CLP3	12.630.942.15	578.380.30
CLR3	12.630.897.98	578.356.66
CLL4	12.631.402.20	577.489.74
CLP4	12.631.357.56	577.467.11
CLR4	12.631.312.92	577.444.49
CLL5	12.632.026.82	576.376.69
CLP5	12.631.985.30	576.348.52
CLR5	12.631.943.77	576.320.36
CLL6	12.632.423.13	575.887.08
CLP6	12.632.387.51	575.851.62
CLR6	12.632.351.88	575.816.16
CLL7	12.632.914.47	575.485.52
CLP7	12.632.889.54	575.441.31
CLR7	12.632.864.61	575.397.11
MTP1	12.632.984.80	575.407.42

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.

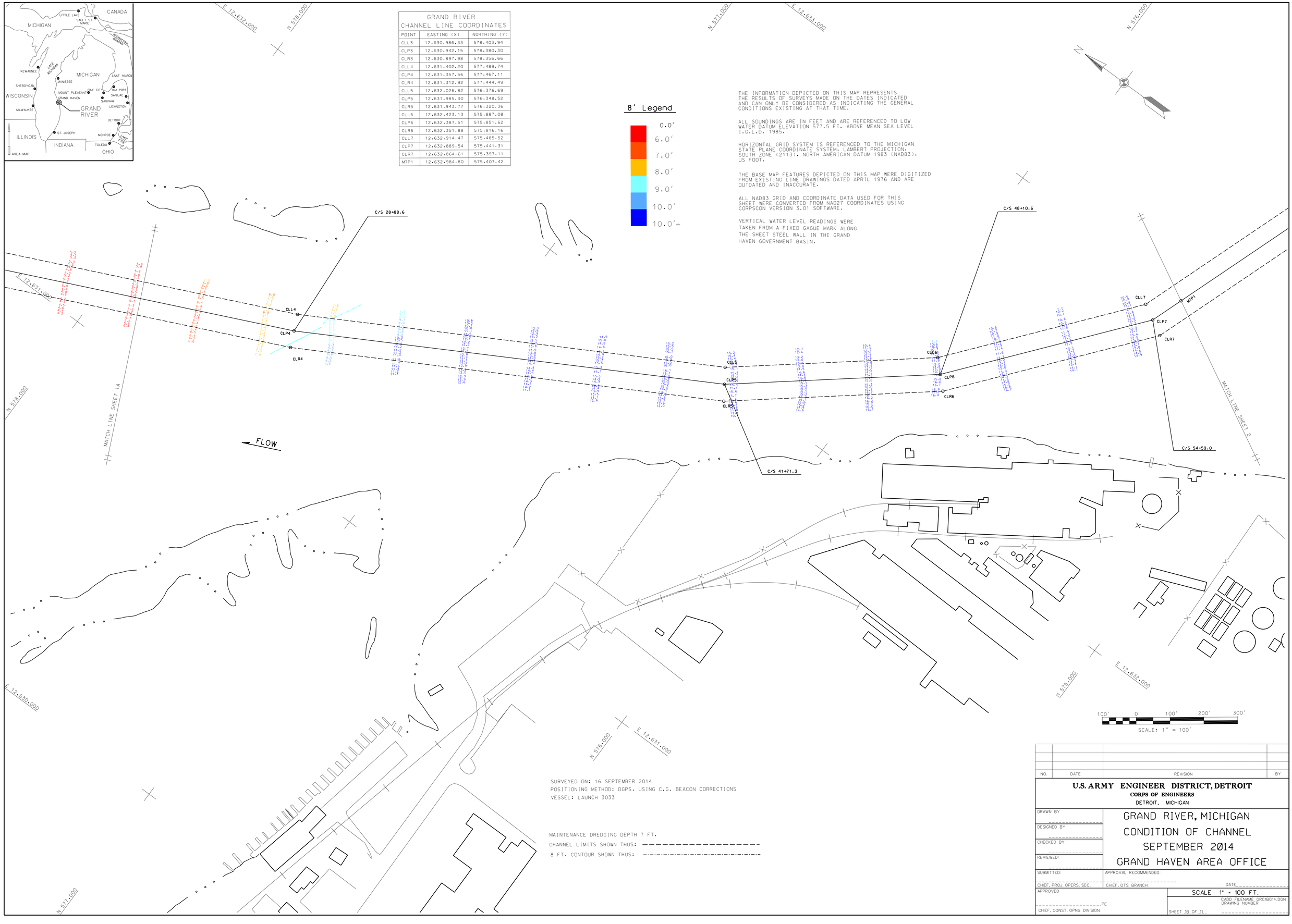
ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL I.G.L.D. 1985.

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THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.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: 16 SEPTEMBER 2014
POSITIONING METHOD: DGPS. USING C.G. BEACON CORRECTIONS
VESSEL: LAUNCH 3033

MAINTENANCE DREDGING DEPTH 7 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 GRCIBG14.DGN
DRAWING NUMBER
SHEET 3B OF 31