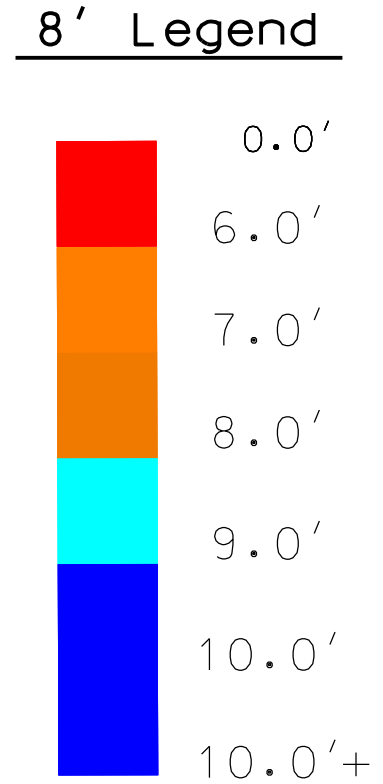
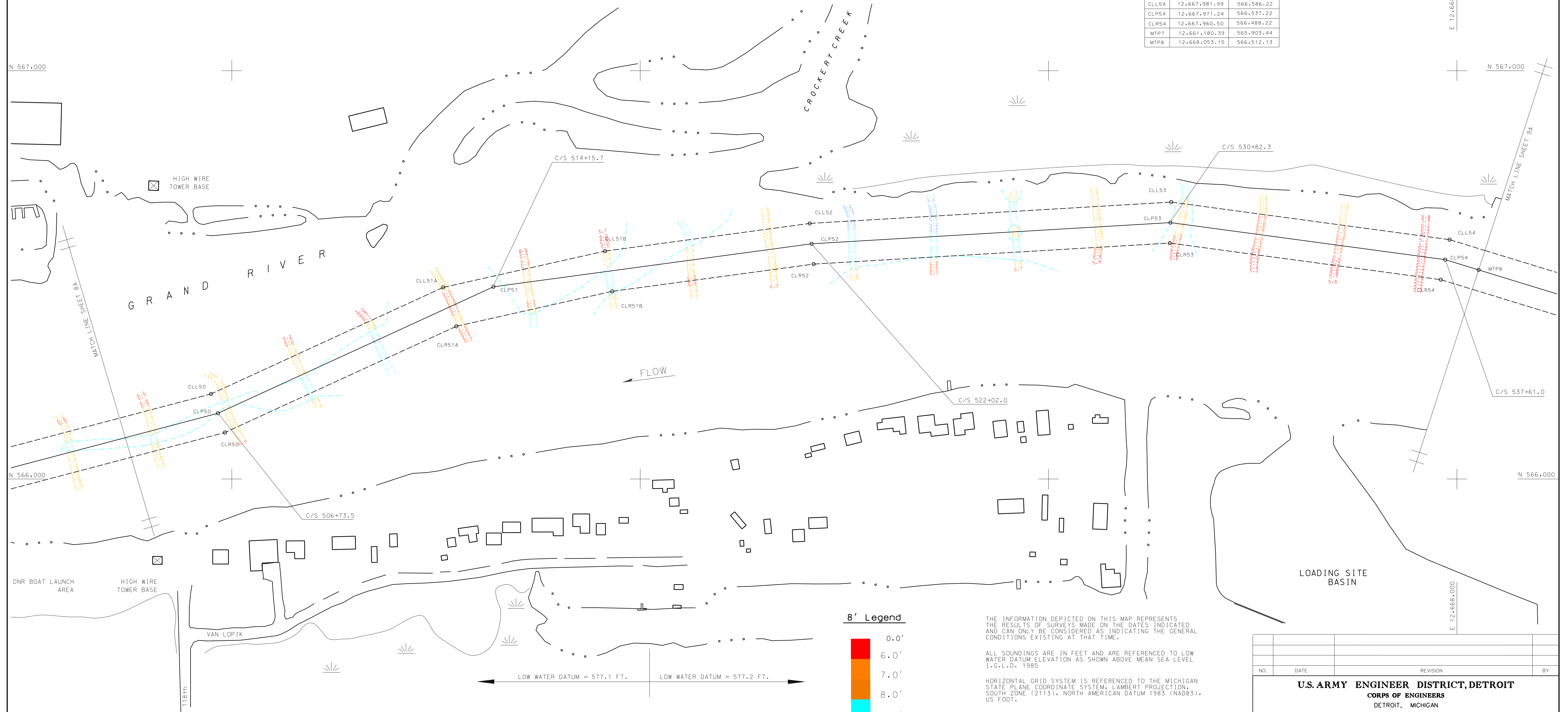
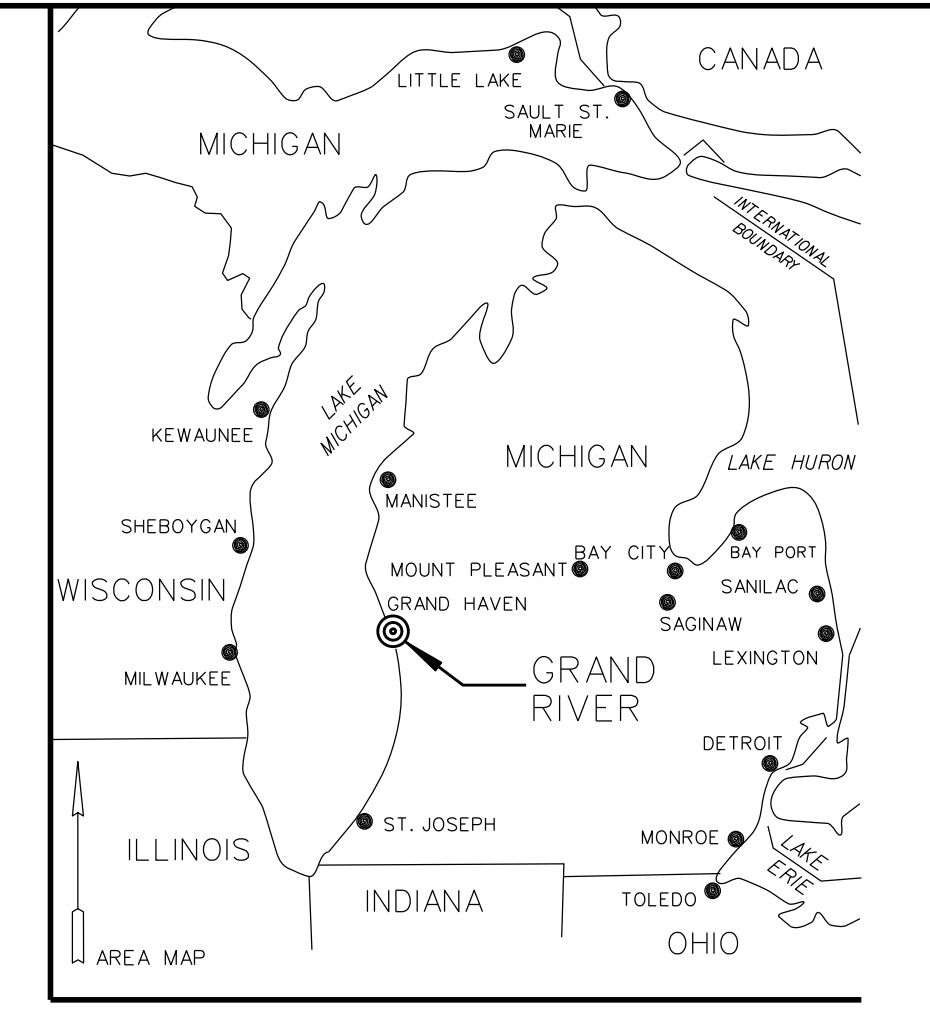


POINT	EASTING	NORTHING
CLL47	12.661.274.01	565.937.43
CLP47	12.661.268.79	565.887.57
CLR47	12.661.263.57	565.837.71
CLL48	12.662.851.77	565.888.14
CLP48	12.662.853.23	565.838.07
CLR48	12.662.854.70	565.788.00
CLL49	12.664.191.67	566.008.46
CLP49	12.664.200.34	565.959.04
CLR49	12.664.209.01	565.909.62
CLL50	12.664.949.19	566.208.28
CLP50	12.664.966.13	566.161.04
CLR50	12.664.983.07	566.113.80
CLP51	12.665.640.68	566.470.78
CLL51A	12.665.517.53	566.469.26
CLR51A	12.665.549.70	566.373.99
CLL51B	12.665.913.97	566.558.19
CLR51B	12.665.931.65	566.459.67
CLL52	12.666.415.09	566.625.94
CLP52	12.666.419.89	566.576.14
CLR52	12.666.424.73	566.526.34
CLL53	12.667.300.49	566.678.23
CLP53	12.667.298.60	566.628.03
CLR53	12.667.296.72	566.577.83
CLL54	12.667.981.99	566.586.22
CLP54	12.667.971.24	566.537.22
CLR54	12.667.960.50	566.488.22
MTP7	12.661.180.39	565.903.44
MTP8	12.668.053.15	566.512.13



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THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.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

SURVEYED ON: 24 SEPTEMBER 2014  
 POSITIONING METHOD: DGPS, USING C.G. BEACON CORRECTIONS  
 VESSEL: LAUNCH 3033

PROJECT DEPTH 8 FT.  
 CHANNEL LIMITS SHOWN THUS: - - - - -  
 7 FT. CONTOUR SHOWN THUS: - - - - -

LOW WATER DATUM = 577.1 FT.      LOW WATER DATUM = 577.2 FT.

NO.	DATE	REVISION	BY

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

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

DRAWN BY	DESIGNED BY	CHECKED BY	REVIEWED:	APPROVED

APPROVAL RECOMMENDED:  
 CHIEF, PROJ. OPERS. SEC.      CHIEF, DTS BRANCH      DATE: \_\_\_\_\_

SCALE 1" = 100 FT.  
 CADD FILENAME: GRC8804.DGN  
 DRAWING NUMBER: \_\_\_\_\_  
 SHEET 88 OF 11