

E 12.655.000

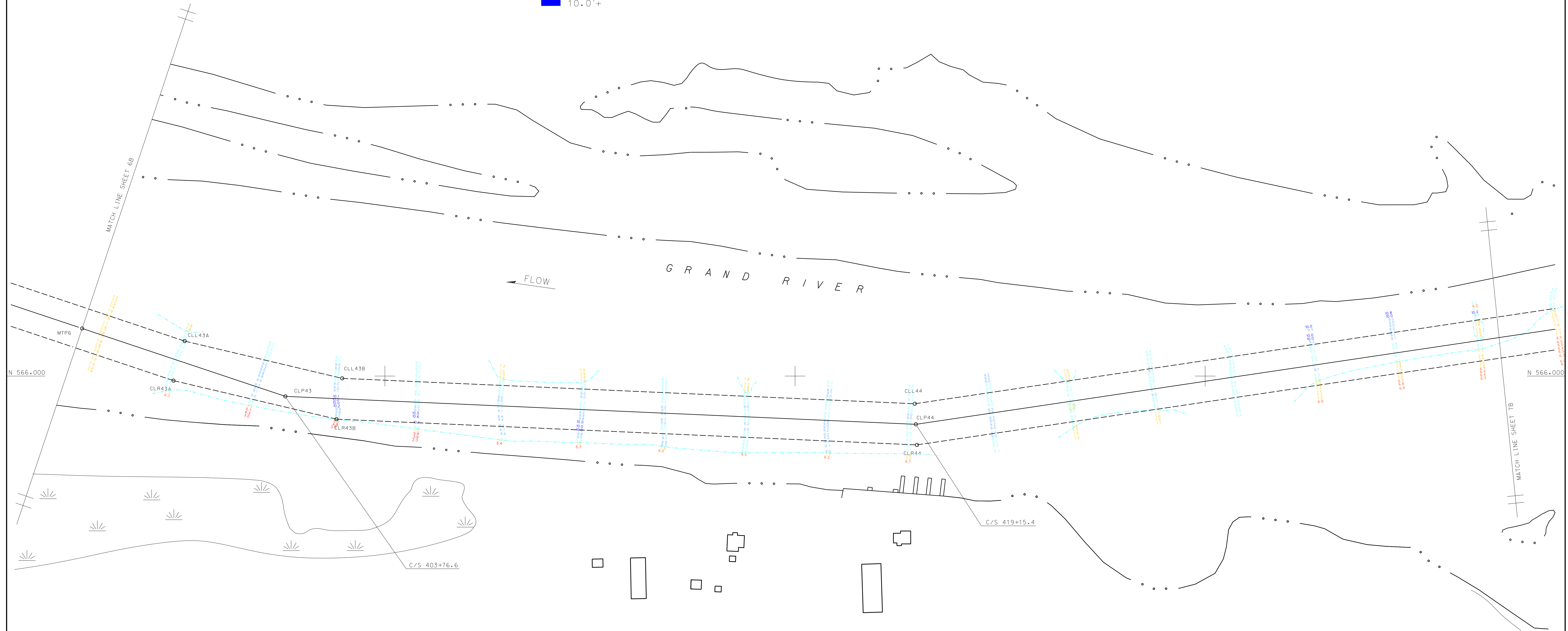
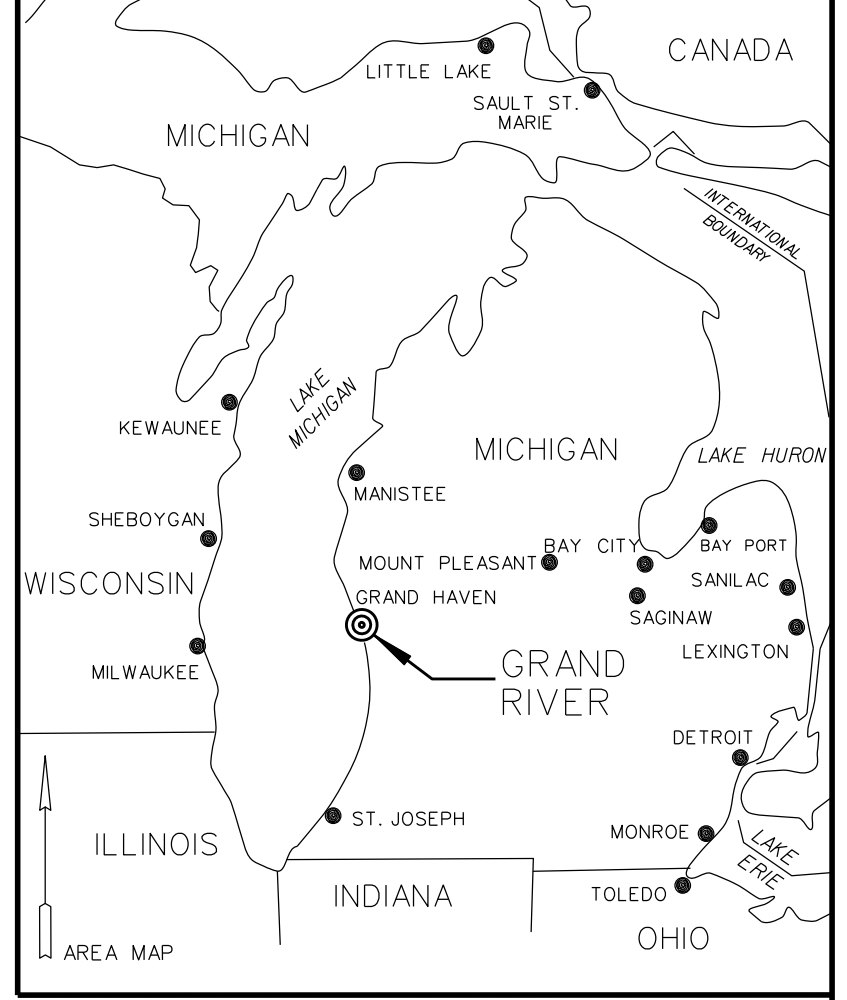
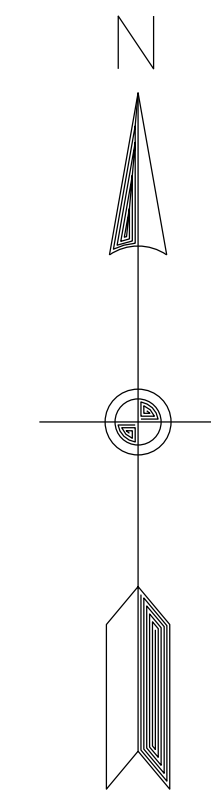
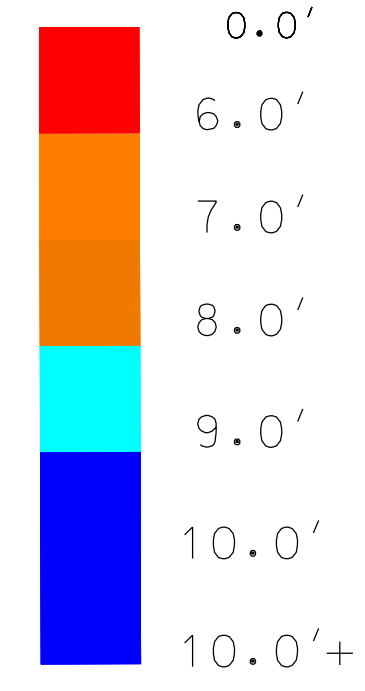
E 12.656.000

E 12.657.000

N 567.000

N 567.000

8' Legend



SURVEYED ON: 24 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: -----

CHANNEL LINE COORDINATES

POINT	EASTING	NORTHING
CLL43	12.654.766.55	566.000.19
CLP43	12.654.757.35	565.950.55
CLL43A	12.654.511.85	566.085.24
CLR43A	12.654.484.46	565.988.96
CLL43B	12.654.895.86	565.994.45
CLR43B	12.654.882.02	565.894.97
CLR43	12.654.748.15	565.900.91
CLL44	12.656.292.05	565.932.55
CLP44	12.656.294.64	565.882.39
CLR44	12.656.297.23	565.832.23
CLL45	12.658.406.05	566.246.93
CLP45	12.658.410.57	566.197.06
CLR45	12.658.415.08	566.147.18
CLL46	12.659.372.25	566.278.83
CLP46	12.659.368.62	566.228.68
CLR46	12.659.364.99	566.178.54
MTP6	12.654.261.83	566.116.01
MTP7	12.661.180.39	565.903.44

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 577.0 FT. ABOVE MEAN SEA LEVEL I.G.L.D. 1955

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THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.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 GAUGE MARK ALONG THE SHEET STEEL WALL IN THE GRAND HAVEN GOVERNMENT BASIN.

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	
SUBMITTED	
APPROVED	

APPROVAL RECOMMENDED	
CHEF, PROJ. OPERS. SEC	CHEF, QTS BRANCH
CHEF, CONST. OPNS DIVISION	

DATE: _____
 SCALE 1" = 100 FT.
 CADD FILE NAME: GRC7A014.DGN
 DRAWING NUMBER: _____
 SHEET 7A OF 11

N 565.000

N 566.000

N 565.000

E 12.655.000

E 12.656.000

E 12.657.000