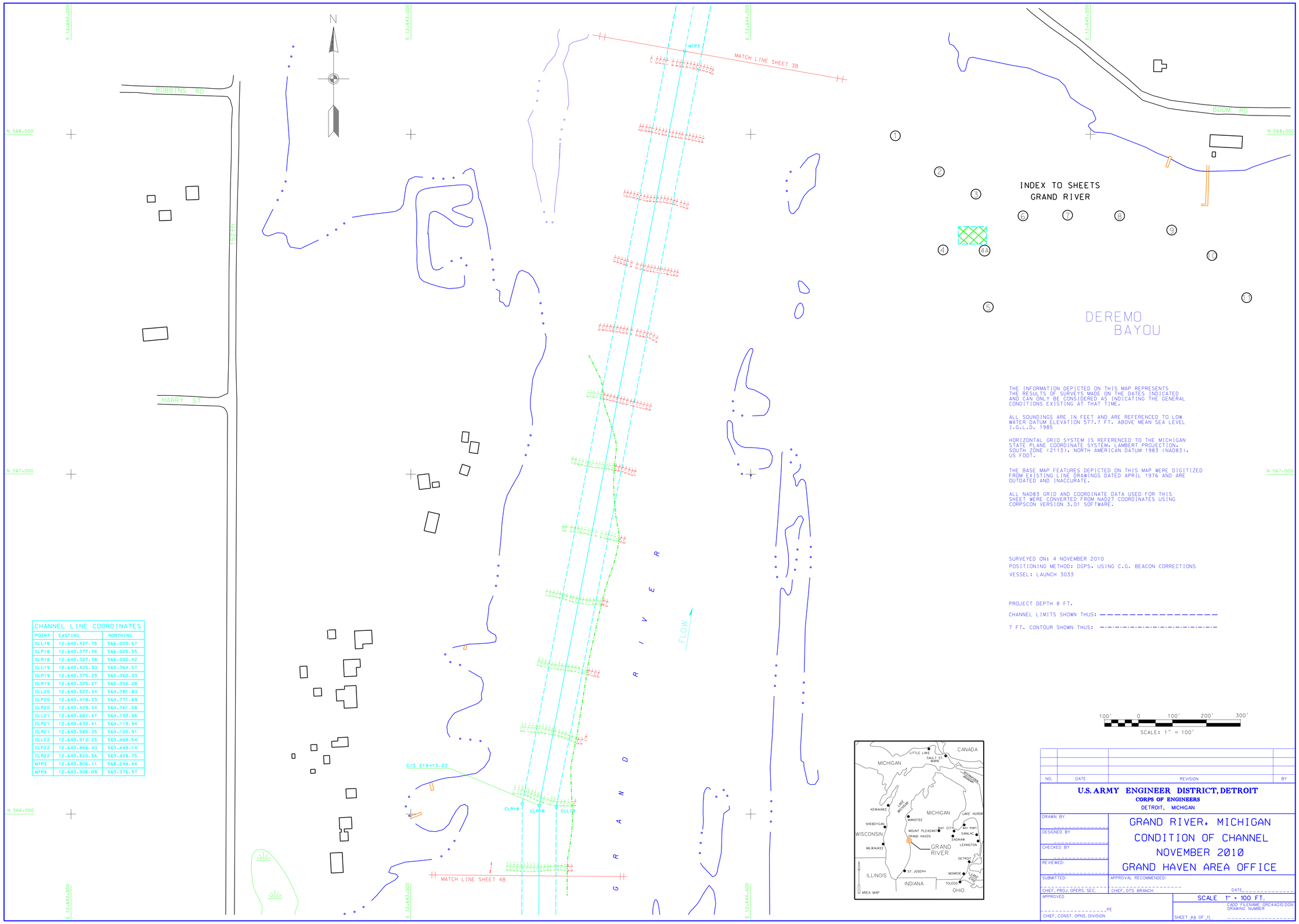

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 577.7 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THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.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.

SURVEYED ON: 4 NOVEMBER 2010
POSITIONING METHOD: DGPS, USING C.G. BEACON CORRECTIONS
VESSEL: LAUNCH 3033

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

CHANNEL LINE COORDINATES

POINT	EASTING	NORTHING
CLL18	12,643,427.75	566,020.67
CLP18	12,643,377.76	566,025.55
CLR18	12,643,327.78	566,030.42
CLL19	12,643,425.30	565,364.57
CLP19	12,643,375.29	565,360.33
CLR19	12,643,325.27	565,356.08
CLL20	12,643,527.34	564,781.80
CLP20	12,643,478.33	564,771.69
CLR20	12,643,429.34	564,761.58
CLL21	12,643,681.47	564,133.96
CLP21	12,643,633.41	564,119.94
CLR21	12,643,585.35	564,105.91
CLL22	12,643,912.25	563,469.54
CLP22	12,643,866.40	563,449.14
CLR22	12,643,820.56	563,428.75
MTP3	12,643,806.11	568,244.44
MTP4	12,643,906.09	563,376.97

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.
APPROVAL RECOMMENDED:
CHIEF, OTS BRANCH
DATE
APPROVED
PE
CHIEF, CONST. OPNS. DIVISION

GRAND RIVER, MICHIGAN
CONDITION OF CHANNEL
NOVEMBER 2010
GRAND HAVEN AREA OFFICE

SCALE 1" = 100 FT.
CADD FILENAME GRC4AC10.DGN
DRAWING NUMBER
SHEET 4A OF 11