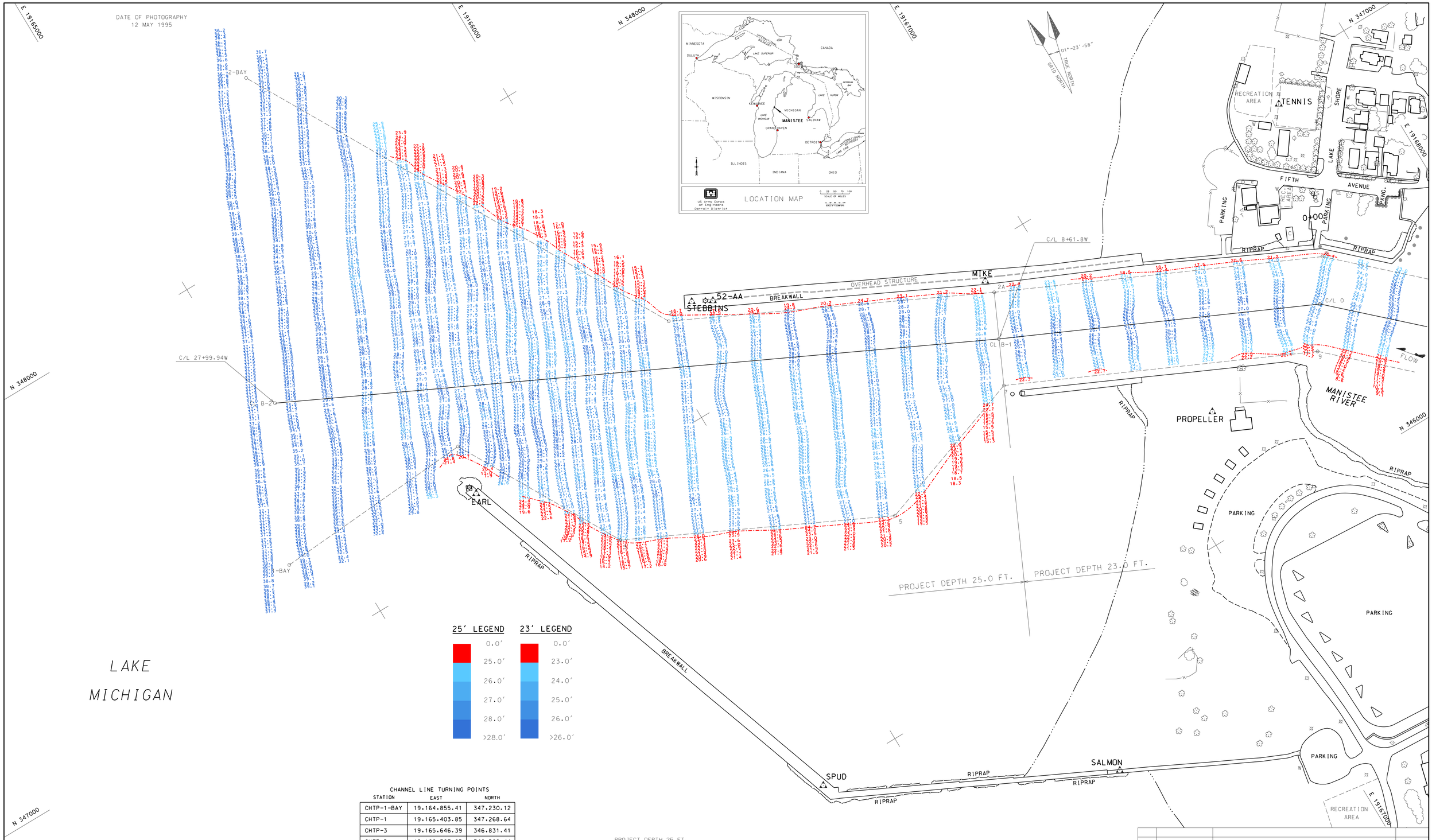
DATE OF PHOTOGRAPHY
12 MAY 1995

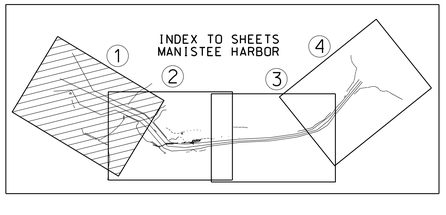


CHANNEL LINE TURNING POINTS

STATION	EAST	NORTH
CHTP-1-BAY	19,164,855.41	347,230.12
CHTP-1	19,165,403.85	347,268.64
CHTP-3	19,165,646.39	346,831.41
CHTP-5	19,166,307.05	346,509.44
CHTP-7	19,166,734.93	346,656.92
CHTP-9	19,167,498.77	346,303.27
CHTP 2-BAY	19,165,426.74	348,402.43
CHTP-2	19,166,057.65	347,265.07
CHTP-2A	19,166,841.09	346,883.26
CHTP-4	19,167,640.13	346,513.31

CENTERLINE TURNING POINTS

STATION		EAST	NORTH
27+99.9	CL B-2	19,165,045.15	347,619.46
8+61.8	CL B-1	19,166,787.44	346,770.35
0+00	CL ZERO	19,167,569.45	346,408.29



PROJECT DEPTH 25 FT.

CHANNEL LIMITS SHOWN THUS:
25 FT. CONTOUR SHOWN THUS:
23 FT. CONTOUR SHOWN THUS:

SURVEYED ON : 3 OCTOBER 2016
POSITION METHOD: DGPS, USING C.G. BEACON CORRECTION
VESSEL: LAUNCH 3033

ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC. HUDRAULIC CORRECTOR OF 0.3 FT. APPLIED.

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (2112) 1983 NORTH AMERICAN DATUM, U.S. SURVEY FOOT.

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.

VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAUGE MARK ALONG THE SHEET STEEL WALL NEAR THE COAST GUARD STATION IN MANISTEE HARBOR, MI.

100' 0 100' 200' 300'
scale feet

NO.	DATE	REVISION	BY

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

DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF, PROJ. OPNS. SEC.
APPROVAL RECOMMENDED:
CHIEF, DTS BRANCH
DATE
APPROVED:
P.E.
CHIEF, CONST. OPNS. DIVISION

MANISTEE HARBOR, MICHIGAN
CONDITION OF CHANNEL AFTER DREDGING
OCTOBER 2016
GRAND HAVEN AREA OFFICE

SCALE 1 INCH = 100 FT.
CADD FILE NAME MHA01G16.DGN
DRAWING NUMBER
SHEET 1 OF 4