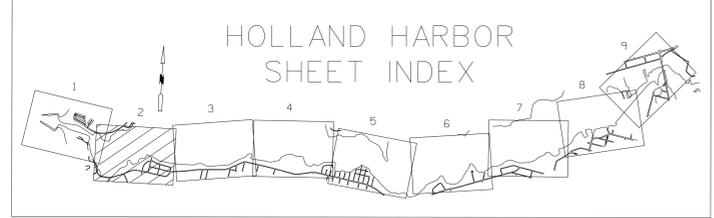
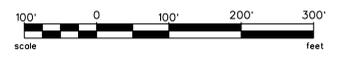


GRID NORTH
TRUE NORTH
-1°14'41.57"

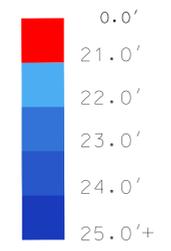
GRID SCALE FACTOR: 0.99998882
GRID DIST. DIVIDED BY GRID
SCALE FACTOR = GROUND DIST.

CHANNEL LINE T.P.				CENTER LINE T.P.			
T.P.	EAST X	NORTH Y		T.P.	EAST X	NORTH Y	
I	12.630.431.24	468.807.88		CL-3	12.630.851.22	468.595.91	
J	12.631.280.00	468.835.50					
JJ	12.630.865.84	468.507.34					



LAKE MACATAWA

21' Legend



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

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (2113) 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 CROSS SECTION 17+58E IN HOLLAND HARBOR, MI.

21 FT. PROJECT DEPTH
21 FT. CONTOUR SHOWN THUS:
CHANNEL LIMITS SHOWN THUS:

SURVEYED ON: 9 JUNE 2016
POSITIONING METHOD: DGPS, USING C. G. BEACON CORRECTIONS
VESSEL: LAUNCH 3033

DATE OF PHOTOGRAPHY
19 JULY 1992

NO.	DATE	REVISION	BY

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

DRAWN BY	HOLLAND HARBOR, MICHIGAN CONDITION OF CHANNEL JUNE 2016 GRAND HAVEN AREA OFFICE
DESIGNED BY	
CHECKED BY	
REVIEWED	
SUBMITTED	

APPROVED	DATE
CHEF, PROJ. OPNS. SECTION	CHEF, OTS BRANCH
CHEF, CONST. OPNS. DIVISION	

SCALE 1" = 100'
CADD FILENAME: H0C02G16.DGN
DRAWING NUMBER: SHEET_2_OF_9