

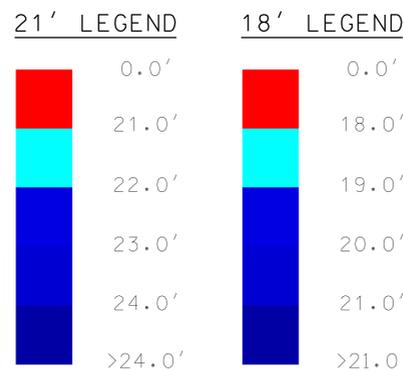
18 FT. PROJECT DEPTH
 21 FT. PROJECT DEPTH

CHANNEL LIMITS SHOWN THUS: - - - - -
 18 FT. CONTOUR SHOWN THUS: - · - · -
 21 FT. CONTOUR SHOWN THUS: - · - · -

SURVEYED ON: 13 JUNE 2016
 POSITIONING METHOD: DGPS, USING C. G. BEACON CORRECTIONS
 VESSEL: LAUNCH 3033

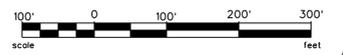
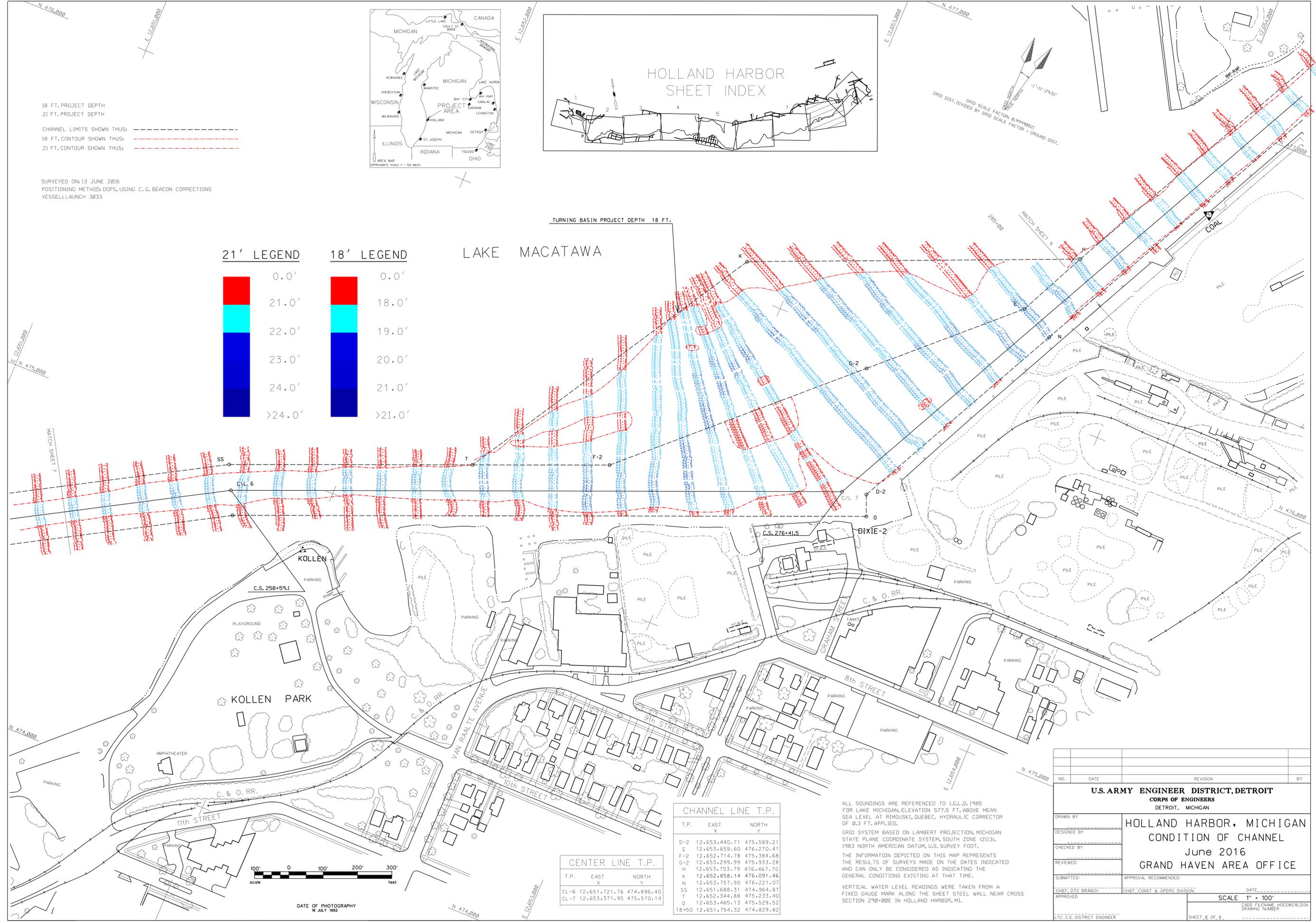


GRID SCALE FACTOR: 0.9999801
 GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.



LAKE MACATAWA

TURNING BASIN PROJECT DEPTH 18 FT.



DATE OF PHOTOGRAPHY
 19 JULY 1992

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
CL-6	12,651,721.76	474,896.40
CL-7	12,653,371.95	475,570.14

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
D-2	12,653,440.71	475,589.21
E	12,653,659.60	476,270.41
F-2	12,652,714.78	475,384.68
G-2	12,653,299.99	475,933.28
H	12,653,753.79	476,467.70
K	12,652,858.14	476,091.46
N	12,653,757.90	476,221.07
SS	12,651,688.51	474,964.87
T	12,652,344.88	475,233.40
0	12,653,465.13	475,529.52
18+50	12,651,754.32	474,829.82

ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 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 290+00E IN HOLLAND HARBOR, MI.

NO.	DATE	REVISION	BY

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

HOLLAND HARBOR, MICHIGAN
CONDITION OF CHANNEL
 June 2016
GRAND HAVEN AREA OFFICE

DRAWN BY	
DESIGNED BY	
CHECKED BY	
REVIEWED	
SUBMITTED	
APPROVED	

APPROVAL RECOMMENDED:	
CHIEF, OTS BRANCH	
CHIEF, CONST. & OPERS. DIVISION	

SCALE 1" = 100'
 DATE:
 CADD FILENAME: H0C08016.DGN
 DRAWING NUMBER:
 SHEET 8 OF 9