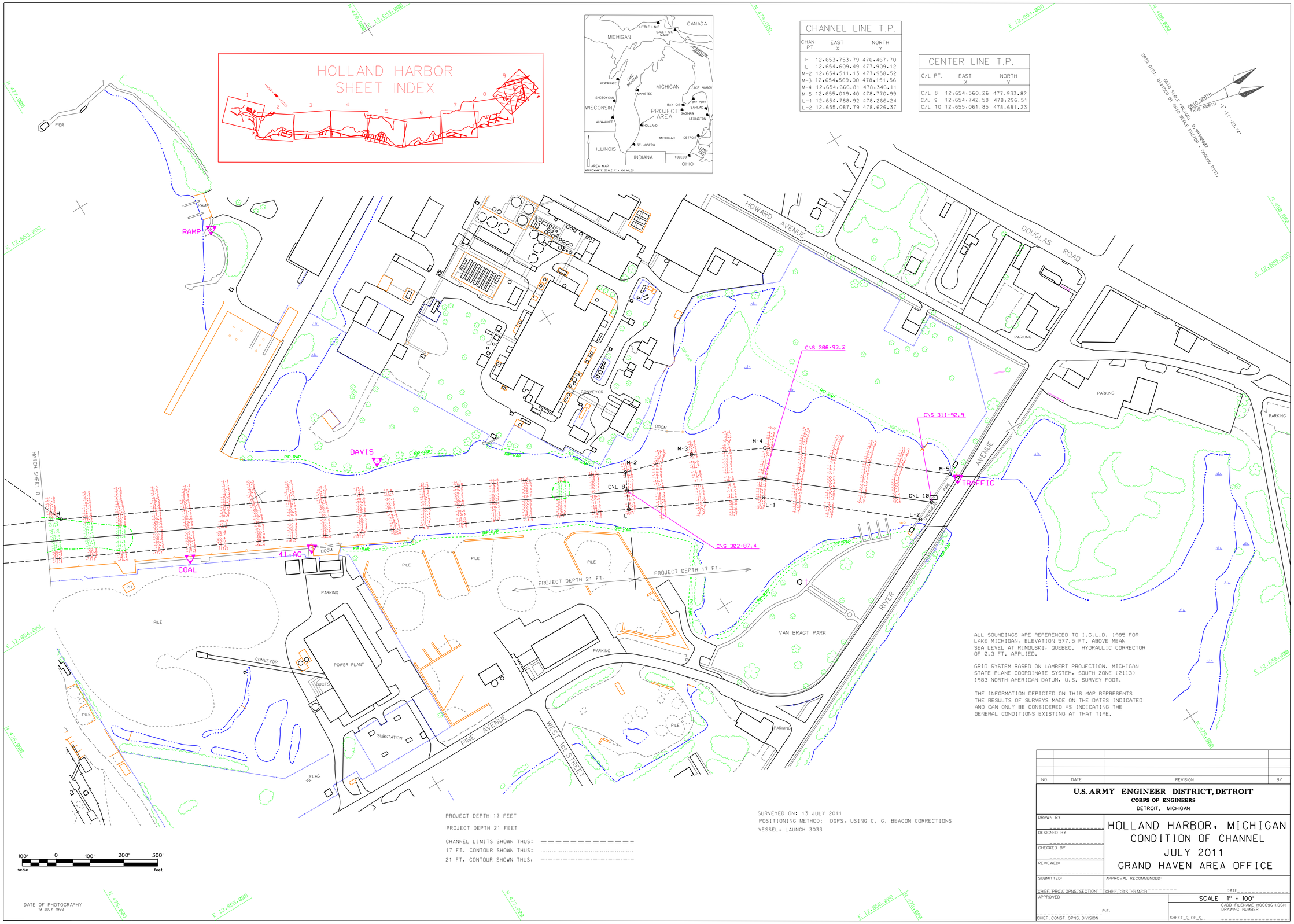

CHANNEL LINE T.P.

CHAN PT.	EAST X	NORTH Y
H	12.653.753.79	476.467.70
L	12.654.609.49	477.909.12
M-2	12.654.511.13	477.958.52
M-3	12.654.569.00	478.151.56
M-4	12.654.666.81	478.346.11
M-5	12.655.019.40	478.770.99
L-1	12.654.788.92	478.266.24
L-2	12.655.087.79	478.626.37

CENTER LINE T.P.

C/L PT.	EAST X	NORTH Y
C/L 8	12.654.560.26	477.933.82
C/L 9	12.654.742.58	478.296.51
C/L 10	12.655.061.85	478.681.23

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.

PROJECT DEPTH 17 FEET

PROJECT DEPTH 21 FEET

CHANNEL LIMITS SHOWN THUS: — — — — — — — — — —

17 FT. CONTOUR SHOWN THUS: .....

21 FT. CONTOUR SHOWN THUS: —·—·—·—·—·—·—

SURVEYED ON: 13 JULY 2011
POSITIONING METHOD: DGPS. USING C. G. BEACON CORRECTIONS
VESSEL: LAUNCH 3033

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. OPNS. SECTION
APPROVAL RECOMMENDED:
CHIEF, OTS BRANCH
DATE
APPROVED
P.E.
CHIEF, CONST. OPNS. DIVISION

HOLLAND HARBOR, MICHIGAN
CONDITION OF CHANNEL
JULY 2011
GRAND HAVEN AREA OFFICE

SCALE 1" = 100'
CADD FILENAME HOC09G11.DGN
DRAWING NUMBER
SHEET 9 OF 9