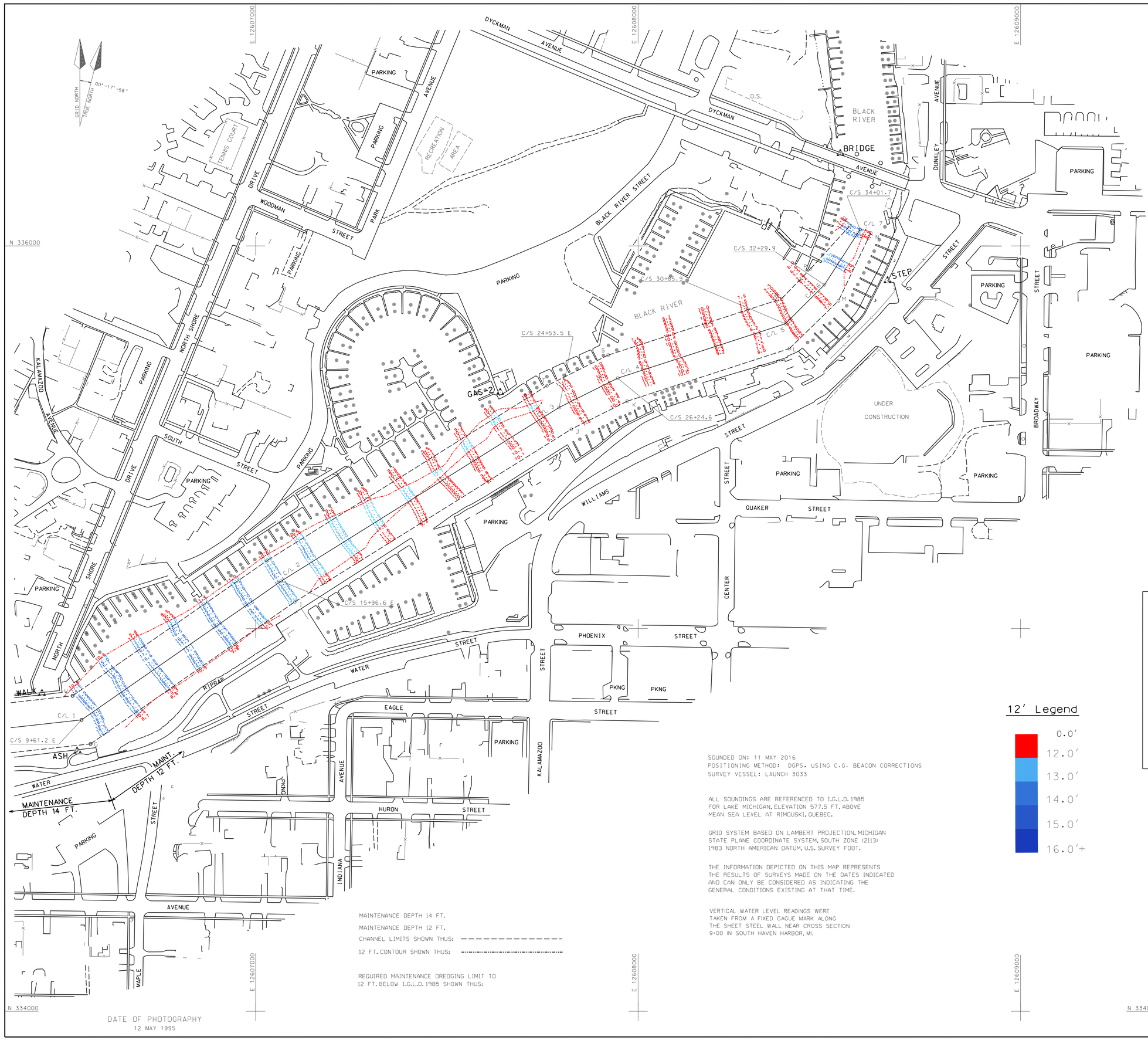
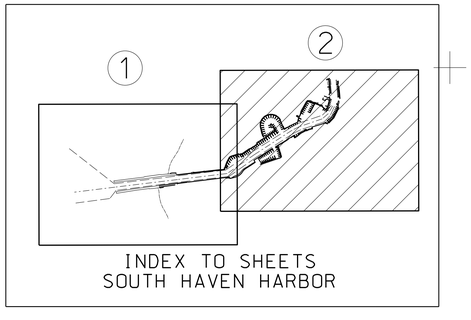


CENTERLINE TURNING POINTS

C/L T.P.	EAST (X)	NORTH (Y)
C/L 1	12.606.544.70	334.761.53
C/L 2	12.607.066.57	335.124.07
C/L 3	12.607.793.45	335.577.85
C/L 4	12.607.946.50	335.654.33
C/L 5	12.608.385.27	335.796.63
C/L 6	12.608.487.26	335.898.29
C/L 7	12.608.580.46	336.042.67

CHANNEL LINE TURNING POINTS

CHAN T.P.	EAST (X)	NORTH (Y)
G	12.606.568.26	334.698.75
I	12.607.102.17	335.069.66
J	12.607.825.26	335.521.08
K	12.607.971.20	335.594.01
L	12.608.395.61	335.731.65
M	12.608.524.00	335.856.61
N	12.608.608.29	336.033.69
O	12.608.552.63	336.051.65
P	12.608.450.52	335.939.98
Q	12.608.374.93	335.861.61
S	12.607.921.82	335.714.66
T	12.607.761.65	335.634.62
U	12.607.030.62	335.178.25
W	12.606.521.14	334.824.31



12' Legend

- 0.0'
- 12.0'
- 13.0'
- 14.0'
- 15.0'
- 16.0'+

SOUNDED ON: 11 MAY 2016
POSITIONING METHOD: DGPS. USING C.G. BEACON CORRECTIONS
SURVEY 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.

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 GAGUE MARK ALONG THE SHEET STEEL WALL NEAR CROSS SECTION 9+00 IN SOUTH HAVEN HARBOR, MI.

MAINTENANCE DEPTH 14 FT.
MAINTENANCE DEPTH 12 FT.
CHANNEL LIMITS SHOWN THUS:
12 FT. CONTOUR SHOWN THUS:

REQUIRED MAINTENANCE DREDGING LIMIT TO 12 FT. BELOW I.G.L.D. 1985 SHOWN THUS:

DATE OF PHOTOGRAPHY
12 MAY 1995

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. OPERS SEC.

APPROVAL RECOMMENDED:
CHIEF, OTS BRANCH
DATE

APPROVED:
P.E.
CHIEF, CONST. OPNS. SECTION

SOUTH HAVEN HARBOR, MICH.
CONDITION OF CHANNEL
MAY 2016
GRAND HAVEN AREA OFFICE

SCALE 1" = 100 FT.
CADD FILE NAME SHC02G16.DGN
DRAWING NUMBER
SHEET 2 OF 2