SURVEY CONTROL POINTS

STATION	COORDINATES EAST X	COORDINATES NORTH Y
DOCK	12.629.794.635	429.265.286
POND	12.630.824.870	431.306.004
P11	12.630.863.823	430.044.370

CENTERLINE POINTS

STATION	COORDINATES EAST X	COORDINATES NORTH Y
C/L 13	12.630.871.44	432.203.80
C/L 14	12.630.790.57	431.842.54
C/L 15	12.630.363.33	430.474.89
C/L 16	12.630.166.77	430.027.72
C/L 17	12.629.911.70	429.677.72
C/L 18	12.629.572.81	429.372.98

CHANNEL LINE POINTS

STATION	COORDINATES EAST X	COORDINATES NORTH Y
N	12.630.826.78	432.209.88
O	12.630.747.06	431.854.20
P		
Q	12.630.127.54	430.050.29
R	12.629.878.12	429.708.04
S	12.629.544.61	429.408.14
OO	12.630.916.56	432.198.93
PP	12.630.834.07	431.830.90
QQ	12.630.405.53	430.459.07
RR	12.630.206.00	430.005.15
SS	12.629.945.30	429.647.31

12' LEGEND

- 0.0'
- 12.0'
- 13.0'
- 14.0'
- 15.0'
- >15.0'

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. 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 25+00 IN SAUGATUCK HARBOR, MI.

SURVEYED ON: 24 MAY 2016
POSITIONING METHOD: DGPS. USING C.G. BEACON CORREDTIONS
VESSEL: LAUNCH 3033

PROJECT DEPTH 14 FT.

MAINTENANCE DEPTH 12 FT.

CHANNEL LIMIT SHOWN THUS: ----------

12 FT. CONTOUR SHOWN THUS: -·-·-·-·-·-·-

100' 0 100' 200' 300'
scale feet

DATE OF PHOTOGRAPHY
3 SEPTEMBER 1997

NO.	DATE	REVISION	BY

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

SAUGATUCK HARBOR, MICHIGAN
CONDITION OF CHANNEL
MAY 2016
GRAND HAVEN AREA OFFICE

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

SCALE 1"=100'
CADD FILENAME SKC03G16.DGN
DRAWING NUMBER
SHEET 3 OF 4