NOTES:

1) THE SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.

2) THE SOUNDINGS DEPICTED HEREIN ARE EXPRESSED IN U.S. SURVEY FEET AND TENTHS THEREOF AND ARE REFERENCED TO THE FOLLOWING DATUMS:
   HORIZONTAL: MICHIGAN STATE PLANE COORDINATE SYSTEM, MICHIGAN CENTRAL ZONE #2112, NORTH AMERICAN DATUM (NAD) OF 1983.
   VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985.

3) THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL LAUNCH 3053 EMPLOYING THE FOLLOWING COMPONENTS:
   POSITIONING: APPLANIX POS-MV4 W/DGPS CORRECTIONS, U.S.C.G. BEACON #292
   MOTION COMPENSATION: APPLANIX POS-MV4
   SONAR: ODOM CV-300 (SINGLEBEAM TRANSDUCER)
   SOFTWARE: HYPACK 2012

4) WATER LEVEL ELEVATIONS WERE OBTAINED FROM TBM STEEL CORNER WHICH WAS ESTABLISHED FROM NGS VERTICAL CONTROL POINT BM RANGE (PID QK0021).

5) THE EDITED SINGLEBEAM DATA WAS SORTED INTO A 10 FT. DATA SET WITH THE RESULTING POINTS POSTED.

18.5 ft. PROJECT DEPTH CONTOUR

21.0 ft. PROJECT DEPTH CONTOUR

LEGEND

0.0'
18.5'
19.0'
20.0'
21.0'
22.0'
23.0'
>24.0'

LEGEND

0.0'
21.0'
22.0'
23.0'
24.0'
25.0'
26.0'
>27.0'

CENTERLINE TURNING POINTS

STATION	EAST	NORTH
POL1 0+00	19.660.231.62	853.433.91
POL2 0+90.41	19.660.182.64	853.357.91
3 29+90.46	19.658.611.73	850.920.18

CONTROL POINTS (G.P.S.)

STATION	EAST	NORTH
DAYRL-2	19.659.880.64	852.420.51
USBL 3	19.658.817.58	850.809.69

CHANNEL LIMITS TURNING POINTS

STATION	EAST	NORTH
1	19.660.320.87	853.387.80
2	19.660.152.75	853.496.13
3	19.660.258.29	853.309.16
4	19.660.106.99	853.406.67
5	19.658.687.12	850.870.34
6	19.658.534.17	850.965.96

TURNING BASIN TURNING POINTS

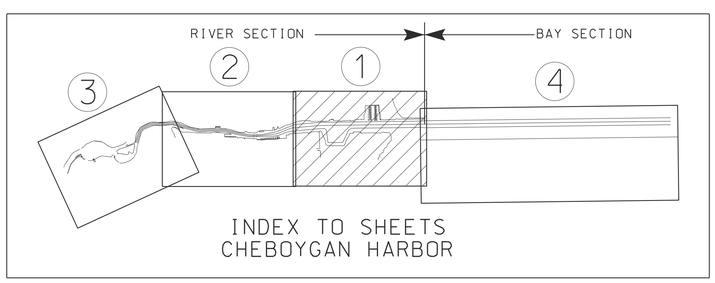
STATION	EAST	NORTH
1	19.659.188.45	851.648.97
2	19.659.175.30	851.541.48
3	19.659.378.26	851.204.24
4	19.659.148.32	850.852.19
5	19.658.830.94	851.009.42
6	19.658.768.62	850.997.48

NAVIGATIONAL AIDES

STATION	EAST	NORTH
ENTRANCE LIGHT (L.L.11070)	19.660.094.1	853.522.5
NAVIGATIONAL AIDE NO. 1	19.659.717.3	852.951.7

CONTROL POINTS (CORPSCON)

STATION	EAST	NORTH
10	19.658.947.19	852.767.92
11	19.659.335.20	851.602.87
12	19.659.570.91	851.120.71
16	19.656.579.75	846.070.61
17	19.656.561.06	845.122.34
BILL	19.659.502.04	851.212.76
DAYRL	19.659.838.20	852.394.92
DOCK	19.659.306.74	851.570.71
DUNCAN	19.663.856.50	851.924.91
GULF	19.658.476.55	850.283.15
MICHELE	19.659.728.32	852.971.81
P/L COR. S.E.	19.658.995.73	851.858.55
P/L COR. S.W.	19.658.644.78	852.085.94
RWTP 2	19.659.149.50	850.663.20



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CHEBOYGAN HARBOR

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

UNITED STATES ARMY CORPS OF ENGINEERS
DETROIT AREA OFFICE, DETROIT, MICHIGAN

CONDITION SURVEY CHEBOYGAN HARBOR, MI

CS 00+00 TO CS 37+00

DRAWN BY: J.K.P.

CHECKED BY: C.V.L.

DATE OF SURVEY: SEPTEMBER 21, 2016

100' 0' 100' 200'

SCALE 1" = 100'

SHEET 1 OF 4