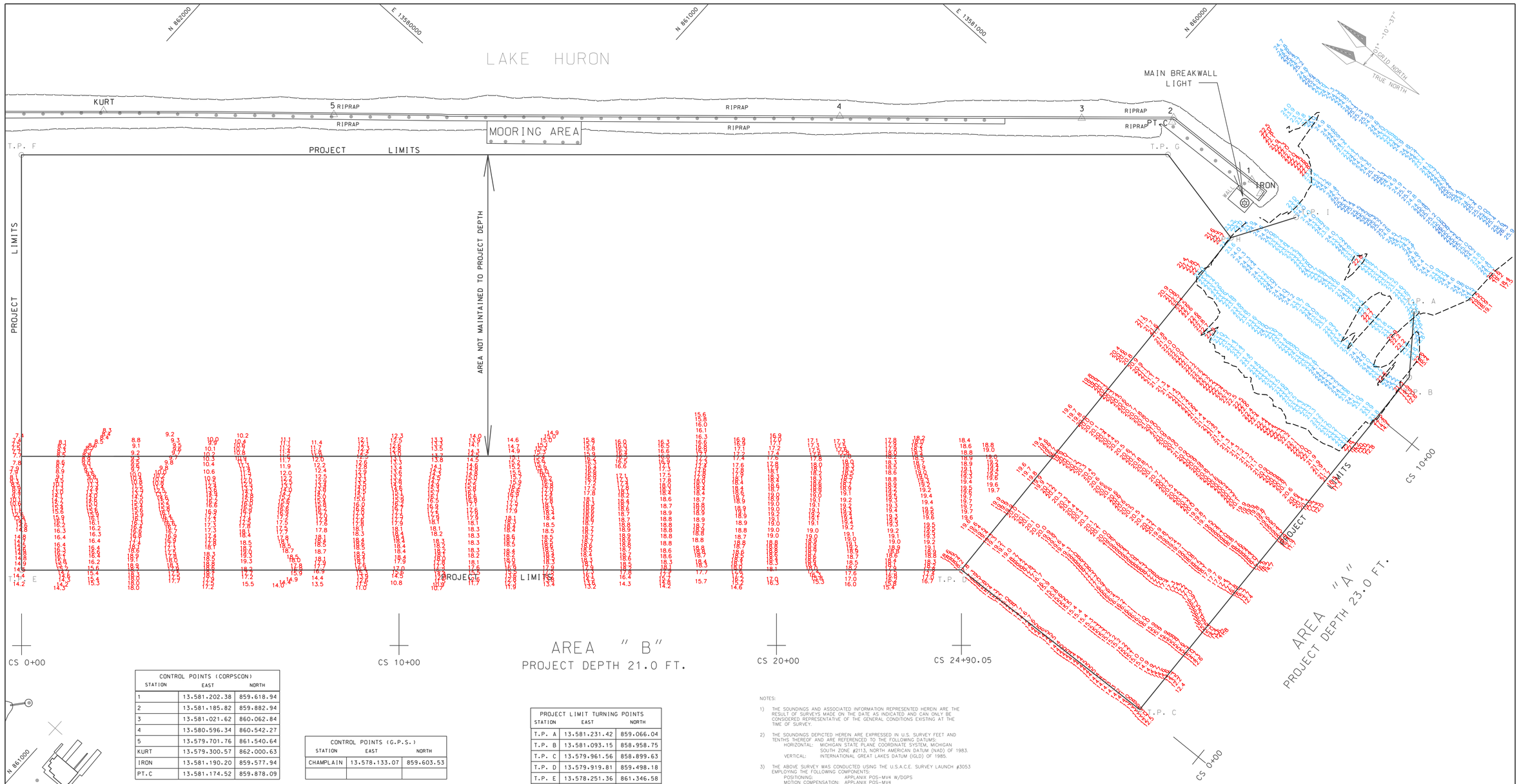


CONTROL POINTS (CORPSCON)		
STATION	EAST	NORTH
1	13.581.202.38	859.618.94
2	13.581.185.82	859.882.94
3	13.581.021.62	860.062.84
4	13.580.596.34	860.542.27
5	13.579.701.76	861.540.64
KURT	13.579.300.57	862.000.63
IRON	13.581.190.20	859.577.94
PT.C	13.581.174.52	859.878.09

CONTROL POINTS (G.P.S.)		
STATION	EAST	NORTH
CHAMPLAIN	13.578.133.07	859.603.53

PROJECT LIMIT TURNING POINTS		
STATION	EAST	NORTH
T.P. A	13.581.231.42	859.066.04
T.P. B	13.581.093.15	858.958.75
T.P. C	13.579.961.56	858.899.63
T.P. D	13.579.919.81	859.498.18
T.P. E	13.578.251.36	861.346.58
T.P. F	13.579.067.95	862.083.61
T.P. G	13.581.103.47	859.828.64
T.P. H	13.581.051.40	859.557.30
T.P. I	13.581.207.25	859.465.30

NAVIGATIONAL AIDES		
STATION	EAST	NORTH
L.L.9505	13.581.143.6	859.592.0

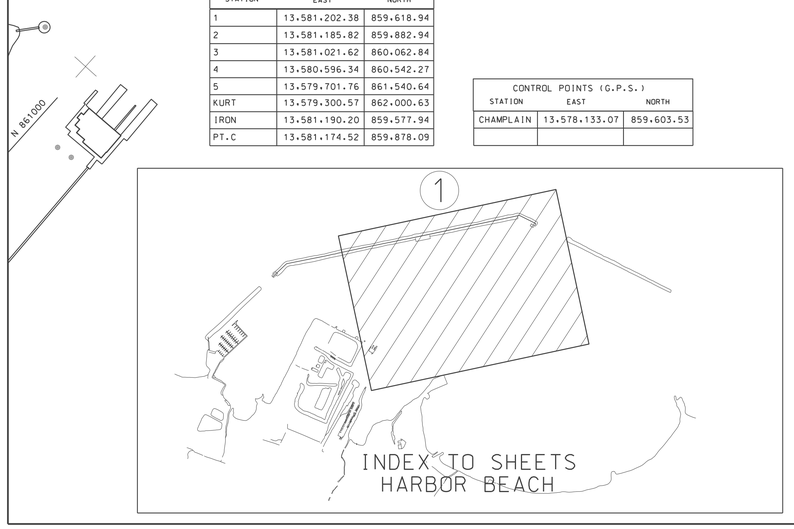
NOTES:

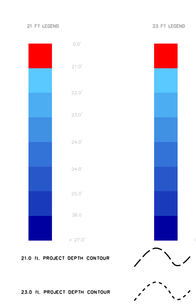
1) THE SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.

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 SOUTH ZONE #2113, 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 LAUNCH #3053 EMPLOYING THE FOLLOWING COMPONENTS:
POSITIONING: APPLANIX POS-MV4 W/DGPS
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: ODOM CV-300
SOFTWARE: HYPACK 2013

4) WATER LEVELS WERE OBTAINED FROM THE NOAA TIDE GAGE "HARBOR BEACH" (#9075014) AND REFERENCED TO IGLD 85.





US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

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

CONDITION SURVEY
HARBOR BEACH, MI

CS 00+00 TO CS 24+90.05
CS 00+00 TO CS 12+78.60

DRAWN BY: B.R.
CHECKED BY: C.V.L.
DATE OF SURVEY: 13 APRIL 2016

SCALE 1" = 100'

SHEET 1 OF 1