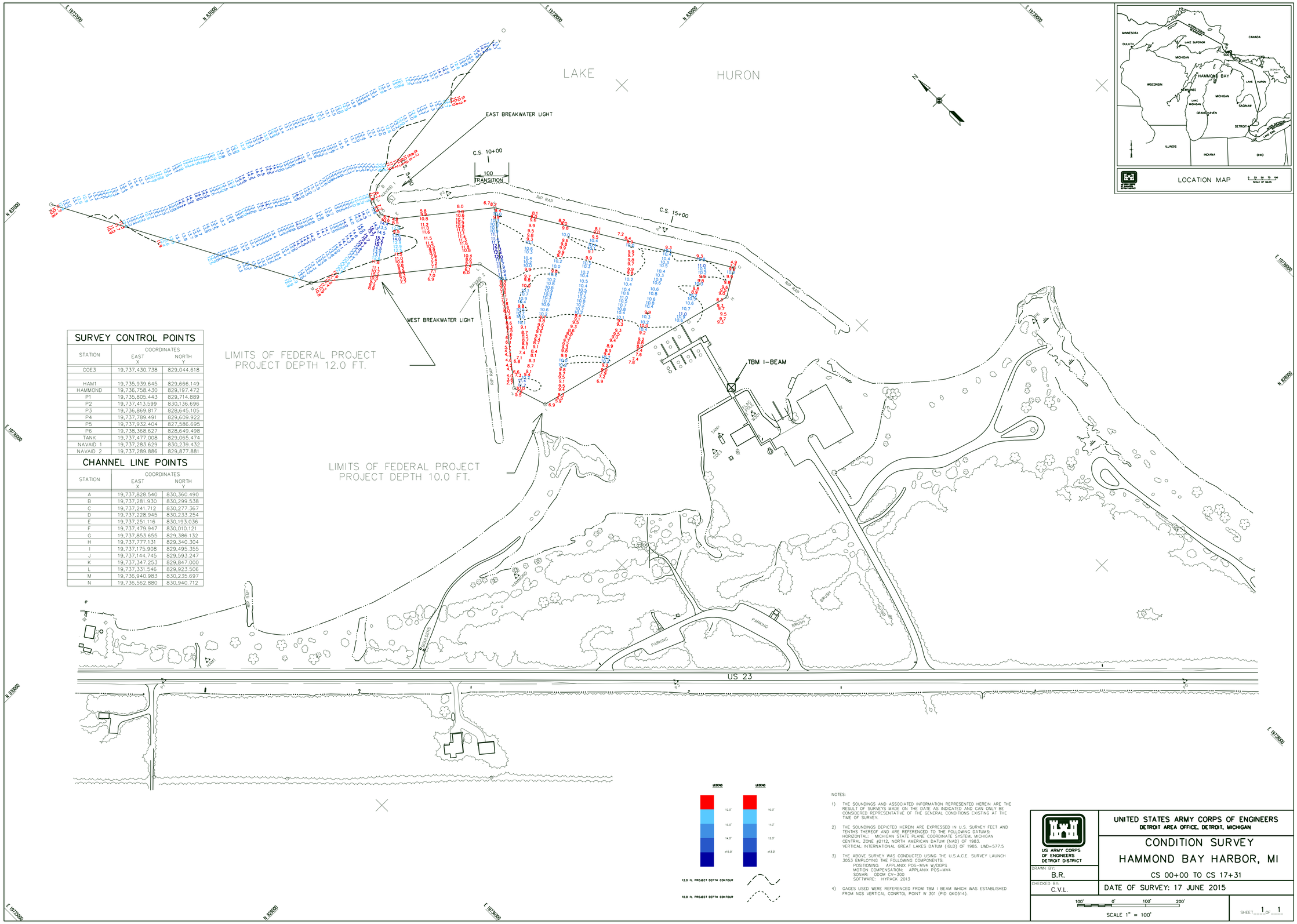

SURVEY CONTROL POINTS

STATION	COORDINATES EAST X	COORDINATES NORTH Y
COE3	19,737,430.738	829,044.618
HAM1	19,735,939.645	829,666.149
HAMMOND	19,736,758.430	829,197.472
P1	19,735,805.443	829,714.889
P2	19,737,413.599	830,136.696
P3	19,736,869.817	828,645.105
P4	19,737,789.491	829,609.922
P5	19,737,932.404	827,586.695
P6	19,738,368.627	828,649.498
TANK	19,737,477.008	829,065.474
NAVAID 1	19,737,283.629	830,239.432
NAVAID 2	19,737,289.886	829,877.881

CHANNEL LINE POINTS

STATION	COORDINATES EAST X	COORDINATES NORTH Y
A	19,737,828.540	830,360.490
B	19,737,281.930	830,299.538
C	19,737,241.712	830,277.367
D	19,737,228.945	830,233.254
E	19,737,251.116	830,193.036
F	19,737,479.947	830,010.121
G	19,737,853.655	829,386.132
H	19,737,777.131	829,340.304
I	19,737,175.908	829,495.355
J	19,737,144.745	829,593.247
K	19,737,347.253	829,847.000
L	19,737,331.546	829,923.506
M	19,736,940.983	830,235.697
N	19,736,562.880	830,940.712

LEGEND

12.0'
13.0'
14.0'
>15.0'

LEGEND

10.0'
11.0'
12.0'
>13.0'

12.0 ft. PROJECT DEPTH CONTOUR

10.0 ft. PROJECT DEPTH CONTOUR

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. LWD=577.5

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) GAGES USED WERE REFERENCED FROM TBM I BEAM WHICH WAS ESTABLISHED FROM NGS VERTICAL CONRTOL POINT W 301 (PID QK0514).

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

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

CONDITION SURVEY
HAMMOND BAY HARBOR, MI

CS 00+00 TO CS 17+31

DRAWN BY: B.R.

CHECKED BY: C.V.L.

DATE OF SURVEY: 17 JUNE 2015

100' 0' 100' 200'

SCALE 1" = 100'

SHEET 1 OF 1