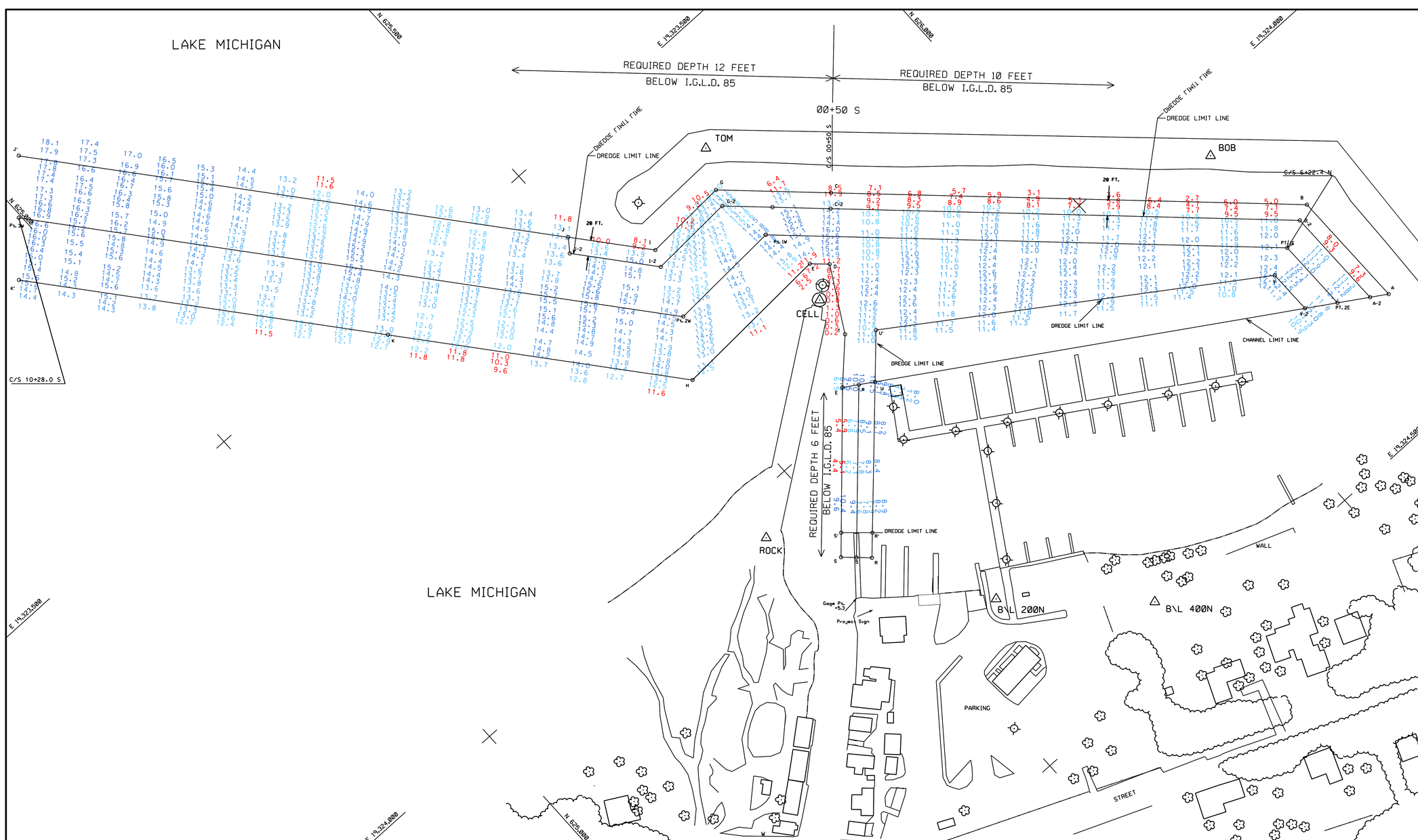


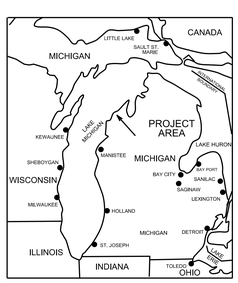
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THAT TIME.

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 0.2 FT. APPLIED.

HORIZONTAL GRID DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, CENTRAL ZONE, NORTH AMERICAN DATUM 1983, U. S. FOOT

VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAUGE MARK ALONG THE SHEET STEEL WALL NEAR THE BOAT RAMP IN LELAND HARBOR, MI

SURVEYED ON: 17 MAY 2019
POSITIONING METHOD: DGPS, USING C. G. BEACON CORRECTIONS
VESSEL: SKIFF



50' 0 50' 100' 150'

12' LEGEND	10' LEGEND	6' LEGEND
0.0'	0.0'	0.0'
12.0'	10.0'	6.0'
13.0'	11.0'	7.0'
14.0'	12.0'	8.0'
15.0'	13.0'	9.0'
>15.0'	>13.0'	>9.0'

CENTERLINE POINTS

C/L T.P.	NORTH (Y)	EAST (X)
2E	626160.0	19324309.0
1E	626159.2	19324215.0
1W	625681.8	19323763.1
2W	625535.6	19323770.1
3W	624996.7	19323117.1
4	625642.6	19323981.9
5	625494.6	19324141.8

CHANNEL LINE TURNING POINTS

CH. T.P.	NORTH (Y)	EAST (X)
A	626215.18	19324343.85
B	626214.05	19324191.20
C	625778.29	19323778.71
D	625716.86	19323844.50
E	625624.94	19323970.76
F	625698.71	19323827.31
G	625672.99	19323679.03
H	625490.91	19323837.36
I	625565.51	19323684.23
J	625494.86	19323598.70
K	625243.67	19323538.03
R	625508.85	19324155.14
R'	625530.40	19324132.10
S	625480.34	19324128.52
S'	625501.20	19324105.80
T	625672.14	19323923.16
U	625660.17	19323933.03
U'	625704.70	19323945.30
V	626124.33	19324230.16
J'	625049.06	19323059.01
K'	624944.36	19323175.66
A-2	626195.09	19324331.14
B-2	626194.11	19324199.86
C-2	625764.54	19323793.23
G-2	625665.44	19323699.42
I-2	625556.47	19323704.69
J-2	625482.63	19323615.30
V-2	626124.76	19324286.70

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: E.D.S.
DRAWN BY: E.D.S.
CHECKED BY:
SUBMITTED BY:
SIZE: ANSI E
ISSUE DATE: 17-May-2019
SOLICITATION NO.:
CONTRACT NO.:
Leland 2019 after.dgn

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
477 MICHIGAN AVE
DETROIT, MI 48226

LAKE MICHIGAN AREA OFFICE
307 SOUTH HARBOR DR
GRAND RAPIDS, MI 49417

LELAND HARBOR
MI
AFTER DREDGING

CONDITION OF CHANNEL
MAY 2019

SHEET ID
VH101