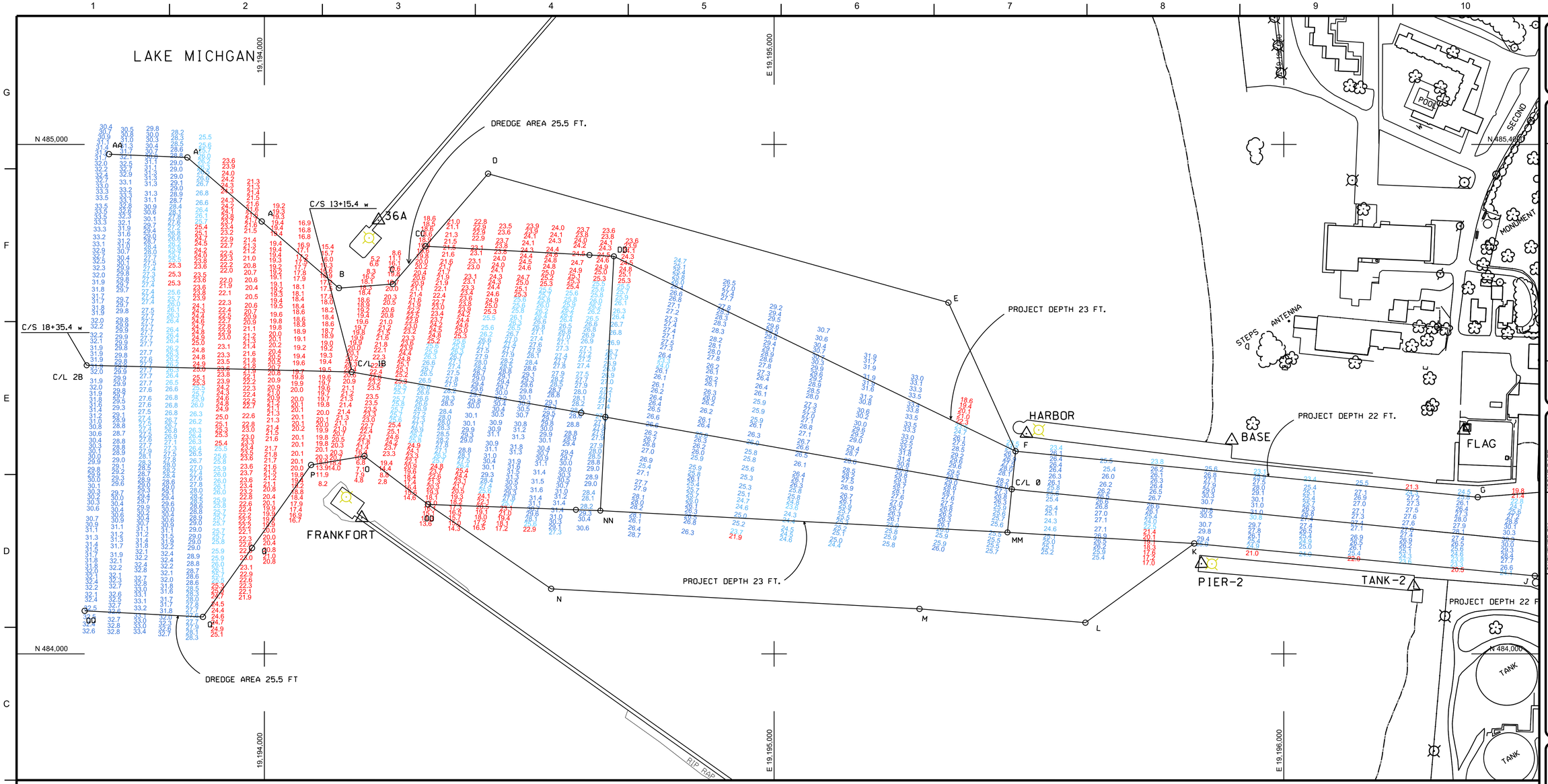


ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.
HYDRAULIC CORRECTOR OF 0.3 APPLIED

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (2112) 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 12+00E IN FRANKFORT HARBOR, MI.

SURVEYED ON: 18-JUNE-2019
POSITIONING METHOD: APPLANIX POS M/V WITH DGPS CORRECTIONS
MOTION COMPENSATION: APPLANIX OCEAN MASTER POS M/V
EQUIPMENT: ODOM CV III SINGLE BEAM SOUNDER
SOFTWARE: HYPACK
VESSEL: 3058

25.5' Legend

0.0'
25.5'
26.5'
27.5'
28.5'
28.5' +

23' Legend

0.0'
23.0'
24.0'
25.0'
26.0'
26.0' +

22' Legend

0.0'
22.0'
23.0'
24.0'
25.0'
25.0' +

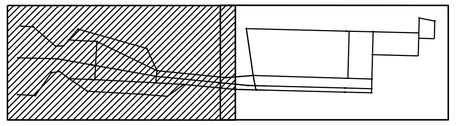
0 100' 200'

CENTERLINE TURNING POINTS

C/L TP	NORTH (Y)	EAST (X)
2B	484566.5	19193651.50
1B	484553.33	19194171.13
0	484323.16	19195466.28

CHANNEL LINE CONTROL POINTS

CH T.P.	NORTH	EAST
A	484848.63	19193994.79
B	484718.04	19194146.23
C	484725.86	19194251.99
D	484942.55	19194438.84
E	484689.42	19195342.02
F	484397.76	19195473.82
G	484307.54	19196380.57
J	484153.21	19196492.59
K	484216.74	19195824.30
L	484061.26	19195610.84
M	484088.25	19195285.25
N	484127.68	19194562.57
O	484388.39	19194196.22
P	484370.77	19194091.54
Q	484207.82	19193975.68
CC	484800.10	19194315.86
DD	484780.38	19194685.69
MM	484238.57	19195457.88
NN	484281.14	19194659.09
OO	484293.37	19194321.05
A'	484974.38	19193848.96
AA	484980.81	19193695.18
Q'	484072.52	19193879.42
QQ	484084.57	19193647.44



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

SURVEYED BY: E.D.S.
DRAWN BY: E.D.S.
REVIEWED BY:
APPROVED BY:
ISSUE DATE: 18-JUN-2019
SOLICITATION NO.:
CONTRACT NO.:
DRAWING NUMBER:
SIZE: ANSI D
FILE NAME: FRANKFORT 2019.pdgn DGN

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

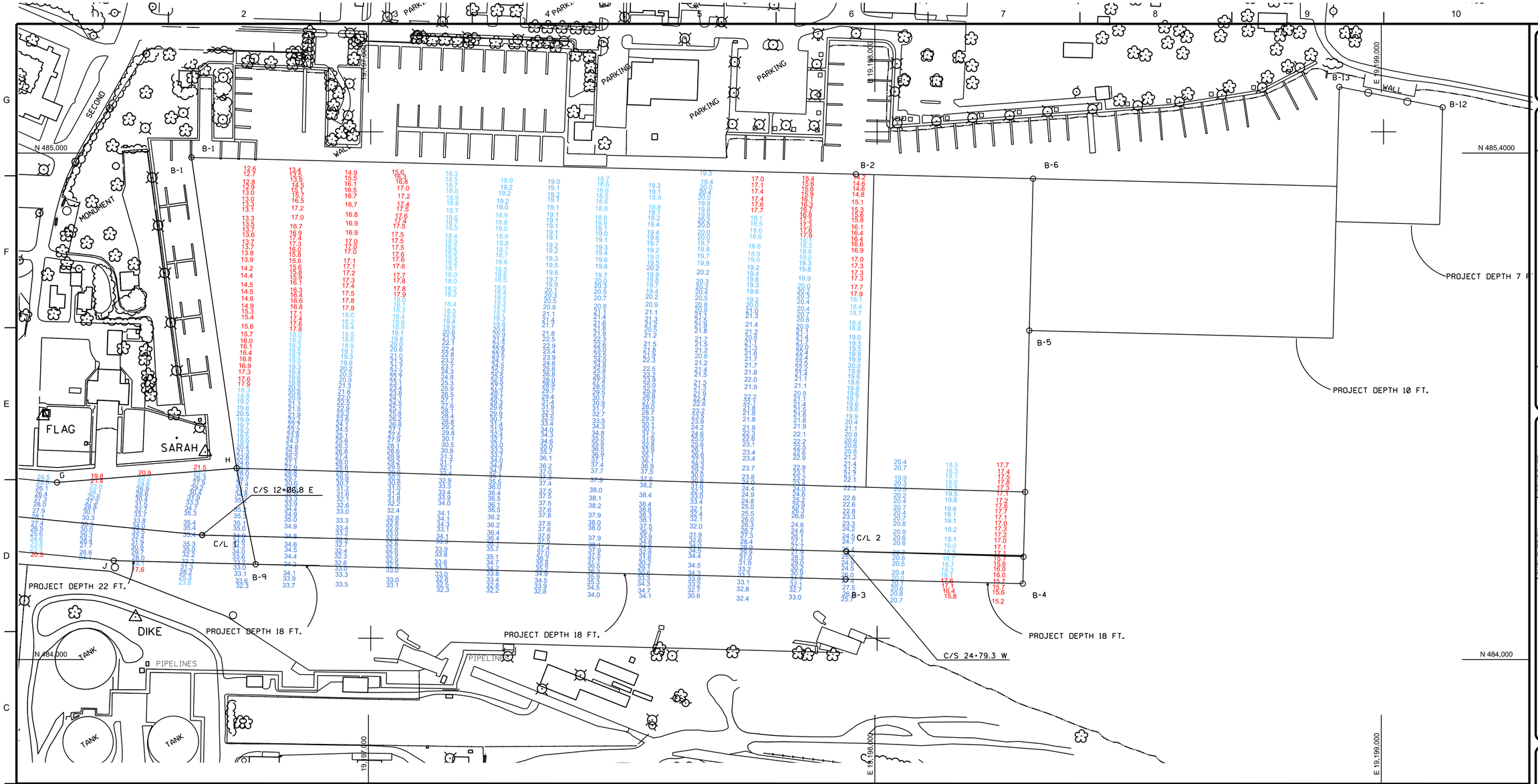
LAKE MICHIGAN AREA OFFICE
307 SOUTH HARBOR DR
GRAND HAVEN, MI 49417

FRANKFORT HARBOR
MI
PRIOR TO DREDGING

CONDITION OF CHANNEL JUNE 2019

SHEET ID

VH101



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SOFTWARE: HYPACK
VESSEL: 3058

22' Legend

0.0'
22.0'
23.0'
24.0'
25.0'
25.0' +

18' Legend

0.0'
18.0'
19.0'
20.0'
21.0'
21.0' +

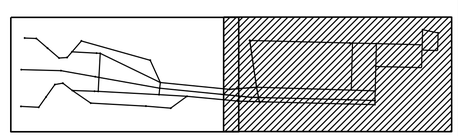
0 100' 200'

CENTERLINE TURNING POINTS

C/L TP	NORTH (Y)	EAST (X)
0	484323.16	19195466.28
1	484203.58	19196667.11
2	484171.39	19197939.23

CHANNEL LINE TURNING POINTS

CHTP	NORTH (Y)	EAST (X)
G	484307.54	19196380.57
H	484335.64	19196735.26
J	484153.21	19196492.59
B-1	484949.33	19196646.04
B-2	484916.22	19197958.13
B-3	484116.56	19197937.96
B-4	484107.73	19198287.82
B-5	484607.52	19198300.42
B-6	484907.40	19198307.99
B-9	484145.96	19196772.80
B-12	485048.24	19199116.73
B-13	485088.64	19198912.70



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