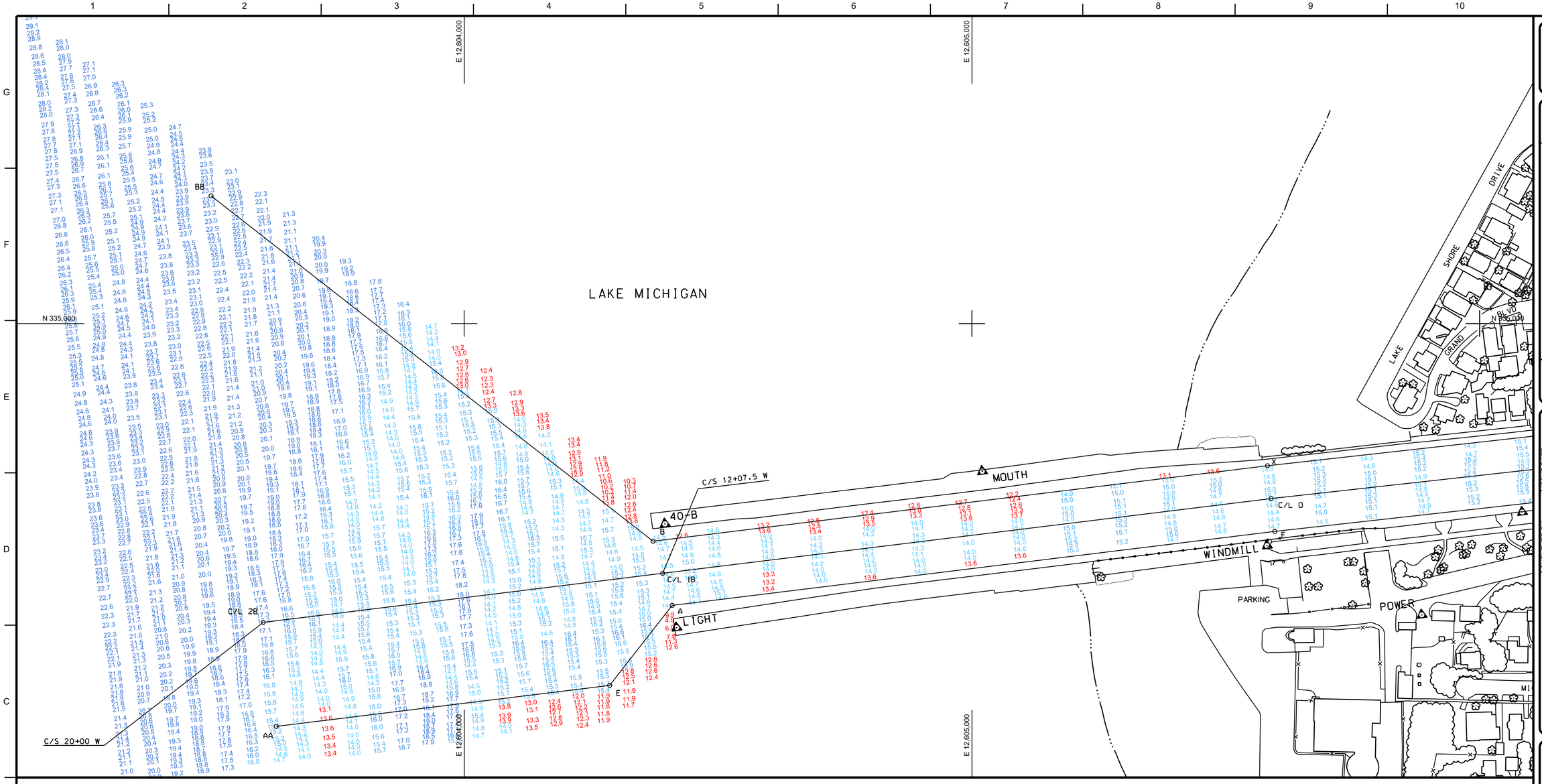


ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.
HYDRAULIC CORRECTOR OF 0.3 APPLIED

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (2113) 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 9+00E IN SOUTH HAVEN HARBOR, MI.

SURVEYED ON: 07 MAY 2019
POSITIONING METHOD: APPLANIX POS M/V W/DGPS CORRECTIONS
MOTION COMPENSATION: APPLANIX OCEAN MASTER POS M/V
EQUIPMENT: ODOM CV 300 SINGLE BEAM SOUNDER
SOFTWARE: HYPACK
VESSEL: LAUNCH 3058

14' Legend

0.0'
14.0'
15.0'
16.0'
17.0'
18.0'
18.0' +

Authorized Project Depth 21'

Maintained Project Depth 14'

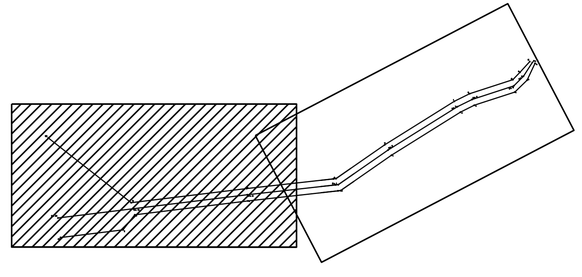
CHANNEL LINE T.P.

CHTP	EAST X	NORTH Y
A	12,604,409.67	334,444,88
AA	12,603,629.89	334,206.61
B	12,604,372.24	334,571,26
BB	12,603,501.54	335,251.45
E	12,604,286,54	334,287.27
F	12,605,596.62	334,590.69
X	12,605,582.25	334,719.89

CENTER LINE T.P.

CL TP	EAST X	NORTH Y
2B	12,603,604,36	334,411,44
1B	12,604,390,95	334,508.07
0	12,605,589,44	334,655.29

0 100' 200'



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: 09-MAY-2019
SOLICITATION NO.:
CONTRACT NO.:
DRAWING NUMBER:
SURVEYED BY: E.D.S.
DRAWN BY: E.D.S.
REVIEWED BY:
APPROVED BY:
SIZE: ANSI D
FILE NAME: south haven 2019.afar.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

SOUTH HAVEN HARBOR
MICHIGAN
AFTER DREDGING

CONDITION OF CHANNEL MAY 2019

SHEET ID

VH101

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, SOUTH
ZONE (2113) 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 9+00E IN SOUTH HAVEN HARBOR, MI.

SURVEYED ON: 7 MAY 2019
POSITIONING METHOD: APPLANIX POS M/V W/DGPS CORRECTIONS
MOTION COMPENSATION: APPLANIX OCEAN MASTER POS M/V
EQUIPMENT: ODOM CV 300 SINGLE BEAM SOUNDER
SOFTWARE: HYPACK
VESSEL: LAUNCH 3058

14' Legend

0.0'	
14.0'	
15.0'	
16.0'	
17.0'	
18.0'	
18.0'	+

12' Legend

0.0'	
12.0'	
13.0'	
14.0'	
15.0'	
16.0'	
16.0'	+

CHANNEL LINE T.P.

CHTP	EAST X	NORTH Y
G	12,606,568.26	334,698.75
I	12,607,102.17	335,069.66
J	12,607,825.26	335,521.08
K	12,607,971.20	335,594.01
L	12,608,395.61	335,731.65
M	12,608,524.00	335,856.61
N	12,608,608.29	336,033.69
O	12,608,552.63	336,051.65
P	12,608,450.52	335,939.98
Q	12,608,374.93	335,861.61
S	12,607,921.82	335,714.66
T	12,607,761.65	335,634.62
U	12,607,030.62	335,178.25
W	12,606,521.14	334,824.31

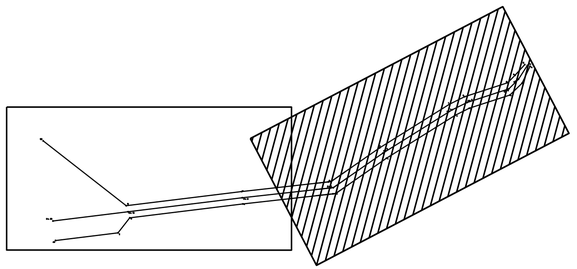
Authorized Project Depth 19'

Maintained Project Depth 12'

CENTER LINE T.P.

CL TP	EAST X	NORTH Y
1	12,606,544.70	334,761.53
2	12,607,066.57	335,124.07
3	12,607,793.45	335,577.85
4	12,607,946.50	335,654.33
5	12,608,385.27	335,796.63
6	12,608,487.26	335,898.29
7	12,608,580.46	336,042.67

0 100' 200'



SOUTH HAVEN HARBOR
MICHIGAN
AFTER DREDGING

CONDITION OF CHANNEL
MAY 2019

SHEET ID

VH102

MARK	DESCRIPTION	DATE

ISSUE DATE: 09-MAY-2019
SOLICITATION NO.:
CONTRACT NO.:
DRAWING NUMBER:

SURVEYED BY: E.D.S.
DRAWN BY: E.D.S.
REVIEWED BY:
APPROVED BY:

SIZE: ANSI D
FILE NAME: south haven 2019 after.dgn

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