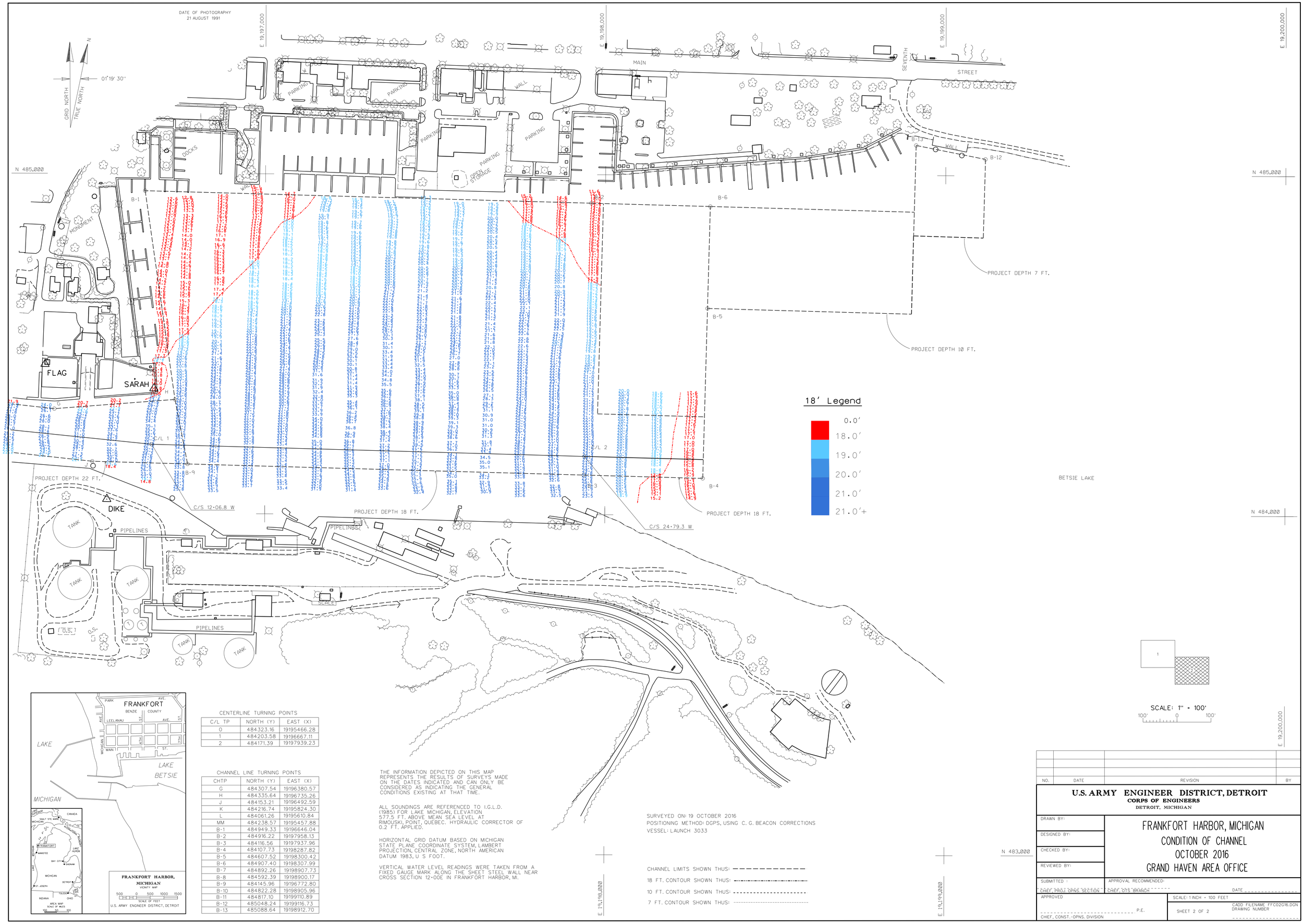

CENTERLINE TURNING POINTS

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
K	484216.74	19195824.30
L	484061.26	19195610.84
MM	484238.57	19195457.88
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-7	484892.26	19198907.73
B-8	484592.39	19198900.17
B-9	484145.96	19196772.80
B-10	484822.28	19198905.96
B-11	484817.10	19199110.89
B-12	485048.24	19199116.73
B-13	485088.64	19198912.70

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.

ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. (1985) FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, POINT, 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 CROSS SECTION 12+00E IN FRANKFORT HARBOR, MI.

SURVEYED ON: 19 OCTOBER 2016
POSITIONING METHOD: DGPS, USING C. G. BEACON CORRECTIONS
VESSEL: LAUNCH 3033

CHANNEL LIMITS SHOWN THUS:
18 FT. CONTOUR SHOWN THUS:
10 FT. CONTOUR SHOWN THUS:
7 FT. CONTOUR SHOWN THUS:

NO.	DATE	REVISION	BY

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

DRAWN BY:
DESIGNED BY:
CHECKED BY:
REVIEWED BY:
SUBMITTED : CHIEF, PROJ. OPNS. SECTION
APPROVAL RECOMMENDED: CHIEF, OTS BRANCH DATE
APPROVED P.E. CHIEF, CONST.-OPNS. DIVISION

FRANKFORT HARBOR, MICHIGAN
CONDITION OF CHANNEL
OCTOBER 2016
GRAND HAVEN AREA OFFICE

SCALE: 1 INCH = 100 FEET
SHEET 2 OF 2
CADD FILENAME FFC02G16.DGN
DRAWING NUMBER