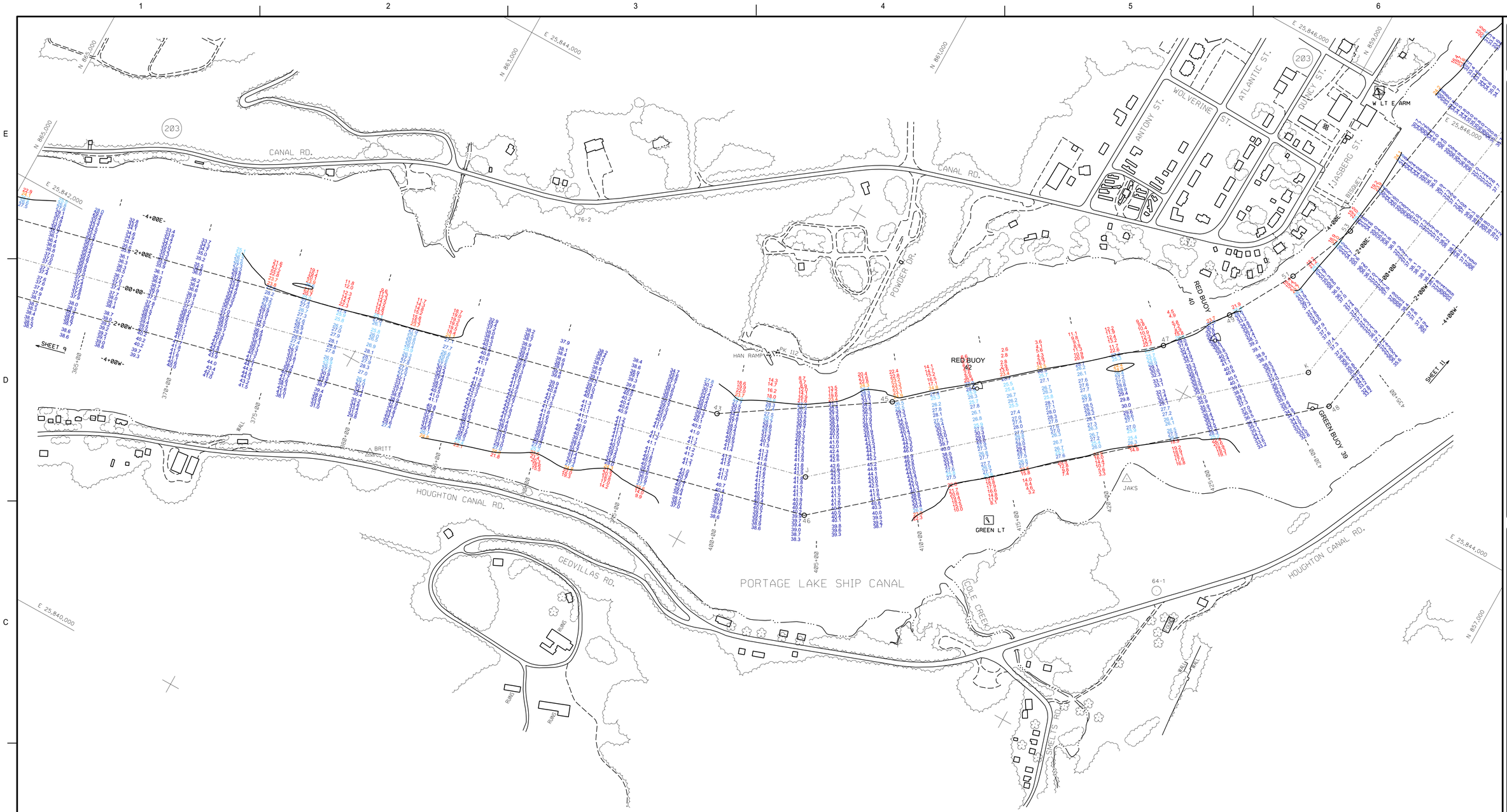

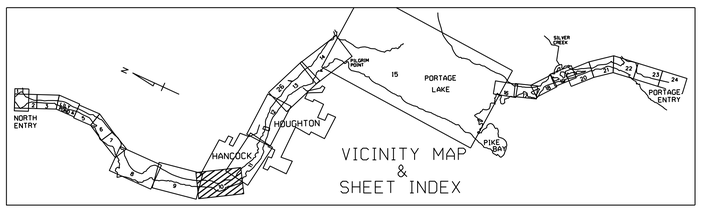

NOTES

1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JUNE 07, 2018 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.
2. SOUNDING DEPTHS ARE REFERENCED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85) LOW WATER DATUM (LWD) ELEVATION IS 601.1 FEET ABOVE MEAN WATER LEVEL AT RIMOUSKI QUEBEC. WATER LEVEL READINGS WERE OBTAINED WITH RTK GPS VALUES. DEPTHS ARE MEASURED USING A ROSS 829B SINGLE BEAM DEPTH SOUNDER.
3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) CORRECTIONS FROM A BASE STATION LOCATED AT US ARMY CORPS OF ENGINEERS (USACE) CONTROL POINT 112, A PK NAIL SET IN THE ASPHALT GUTTER LINE NEAR THE EDGE OF THE PARKING LOT, AND SOUTHERLY OF THE BOAT RAMP, IN THE CITY OF HANCOCK PARK ON POWER DRIVE. THE GPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE POS/MV VER. 4.0.
4. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN NORTH ZONE (2111). NORTH AMERICAN DATUM (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.
5. THE PROJECT DEPTH FOR THIS AREA IS 25'.

25.0' LEGEND

0.0'
23.0'
24.0'
25.0'
26.0'
27.0'
28.0'
29.0'
50.0'

LEGEND

- HORIZONTAL CONTROL POINT
- CHANNEL LINE TURNING POINT
- CHANNEL LINE
- BASELINE
- SHORELINE
- CONTOUR

0 200' 400'

COORDINATE TABLE

STATION	DESCRIPTION	COORDINATES	
		NORTHING	EASTING
BISQUET	ALUM. CAP	858727.844	25845386.907
O.P.	ALUM. CAP	857225.797	25849788.214
RUNES	BRASS DISK	856013.654	25851482.977
UPPCO	ALUM. CAP	857251.488	25846983.101
RCD_LT	NAVIG. AID	857127.489	25849787.852
WNDSK_PST	NAVIG. AID	858024.751	25848843.355
WLT_TWR_1	NAVIG. AID	857873.124	25845844.954
WLT_E_ARM	NAVIG. AID	858863.247	25845925.245
PT_51	E. CHANNEL LINE	858791.1	25844837.3
PT_53	E. CHANNEL LINE	858639.4	25845198.1
PT_55	E. CHANNEL LINE	858411.2	25846528.2
PT_57	E. CHANNEL LINE	857231.8	25848923.5
PT_59	E. CHANNEL LINE	857055.9	25849391.5
PT_61	E. CHANNEL LINE	856955.3	25849948.3
PT_65	E. CHANNEL LINE	857667.8	25856862.8
PT_K	CENTERLINE	858468.4	25844425.1
PT_L	CENTERLINE	858062.5	25846776.8
PT_M	CENTERLINE	856665.8	25849623.8
PT_N	CENTERLINE	857466.3	25856868.5
PT_48	W. CHANNEL LINE	858293.5	25844326.3
PT_50	W. CHANNEL LINE	857955.3	25846221.8
PT_52	W. CHANNEL LINE	857658.8	25847163.4
PT_54	W. CHANNEL LINE	856459.9	25849688.5
PT_56	W. CHANNEL LINE	857294.8	25855578.9

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR. MARK

SURVEYOR: JOHN BY: ATA
REVIEWED BY: ATA
APPROVED BY:
PLOT SCALE: 1" = 200'
SIZE: ARCH E
DATE OF SURVEY: 07-JUN-2018
SUBMITTED BY:
CONTRACT NO.:
IMAGE DATE:
IMAGE SOURCE:
DRAWING DATE: 19-JUL-2018
FILE NAME: KWW10.dgn

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
DETROIT, MI

DULUTH AREA OFFICE
600 LAKE AVENUE SOUTH
DULUTH, MN 55802

KEWEENAW WATERWAY
MICHIGAN

CONDITION OF CHANNEL
JUNE 2018

SHEET IDENTIFICATION
KWW 10
SHEET 10 OF 24