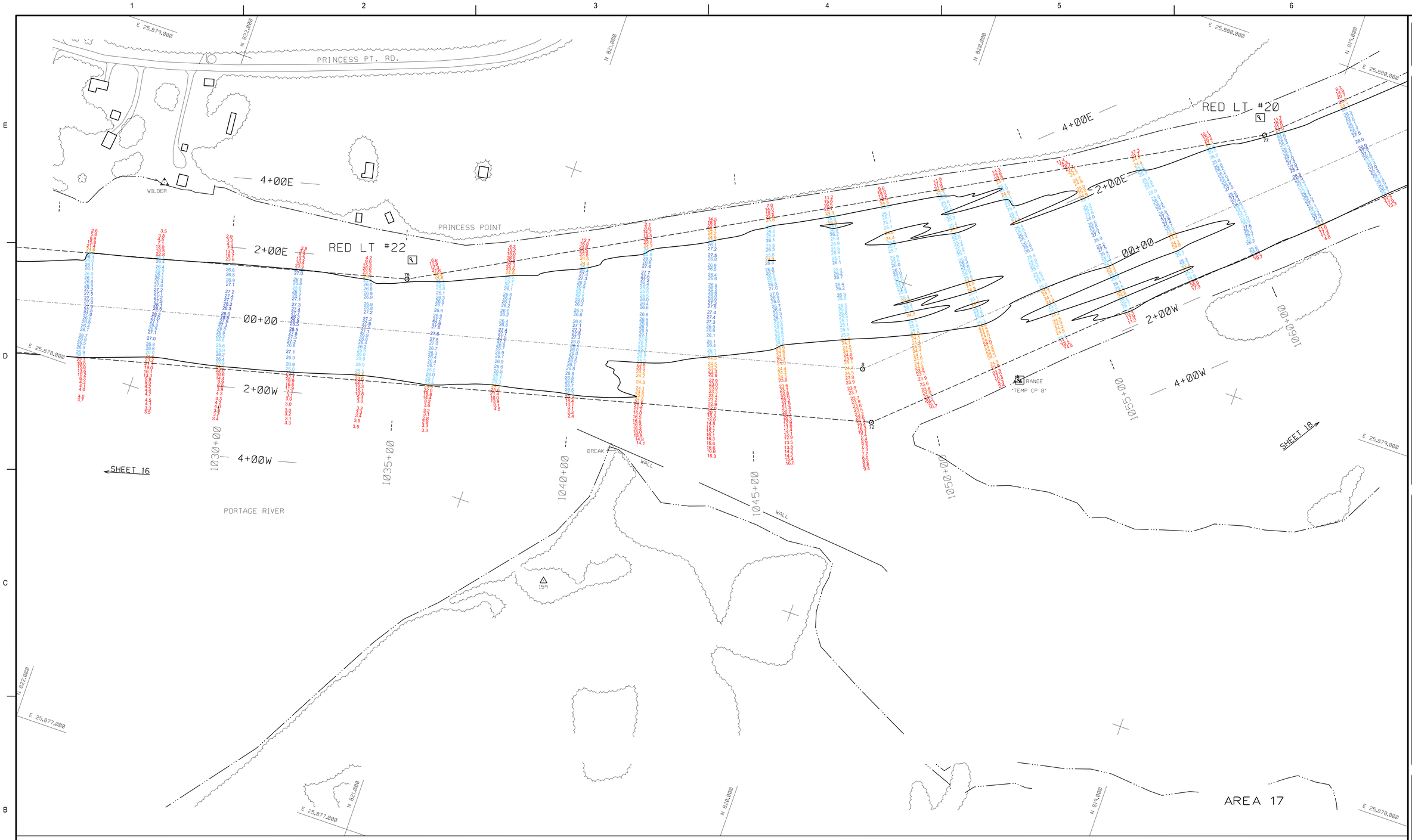

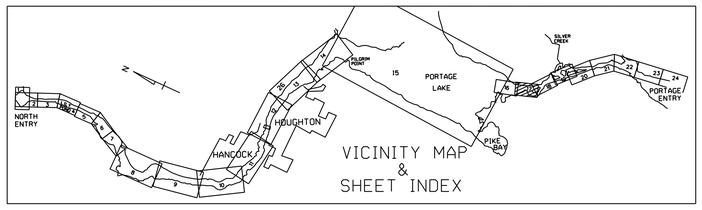

NOTES

1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JUNE 05, 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 825B 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) TEMPORARY CONTROL POINT 8, ON TOP OF THE PRINCESS POINT RANGE FRONT BEACON, ON THE WEST SIDE OF THE FEDERAL NAVIGATION CHANNEL, NEAR STATION 1053+00. 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

N

0 100' 200'

COORDINATE TABLE

STATION	DESCRIPTION	COORDINATES	
		NORTHING	EASTING
BREAK	ALUM. CAP	820635.892	25878275.789
RANGE	BRASS DISK	819691.289	25878843.215
WILDER	ALUM. CAP	822856.351	25878581.871
RED LT #20	NAVIG. AID	819186.958	25879774.928
RED LT #22	NAVIG. AID	821350.931	25878598.888
PT. 73	E. CHANNEL LINE	824962.8	25877625.5
PT. 75	E. CHANNEL LINE	821349.5	25878546.7
PT. 77	E. CHANNEL LINE	819168.5	25879736.8
PT. 79	E. CHANNEL LINE	817467.8	25880632.2
PT. R	CENTERLINE	824924.7	25877488.2
PT. S	CENTERLINE	820831.7	25878728.9
PT. T	CENTERLINE	817435.6	25880917.7
PT. 70	W. CHANNEL LINE	824867.4	25877334.9
PT. 72	W. CHANNEL LINE	819957.8	25878592.0
PT. 74	W. CHANNEL LINE	819922.7	25887863.4

US Army Corps of Engineers

MARK	DESCRIPTION	DATE	APPR. MARK

DATE OF SURVEY: 05-JUNE-2018
SUBMITTED BY:
CONTRACT NO.:
DRAWING DATE: 13-JUNE-2018
FILE NAME: KWW0017.dgn
SURVEYOR: JOHN BY: ATA
REVIEWED BY: ATA, RSC
APPROVED BY:
PLOT SCALE: 1" = 100'
IMAGE DATE:
IMAGE SOURCE:
SIZE: ANSI E

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 17
SHEET 17 OF 24