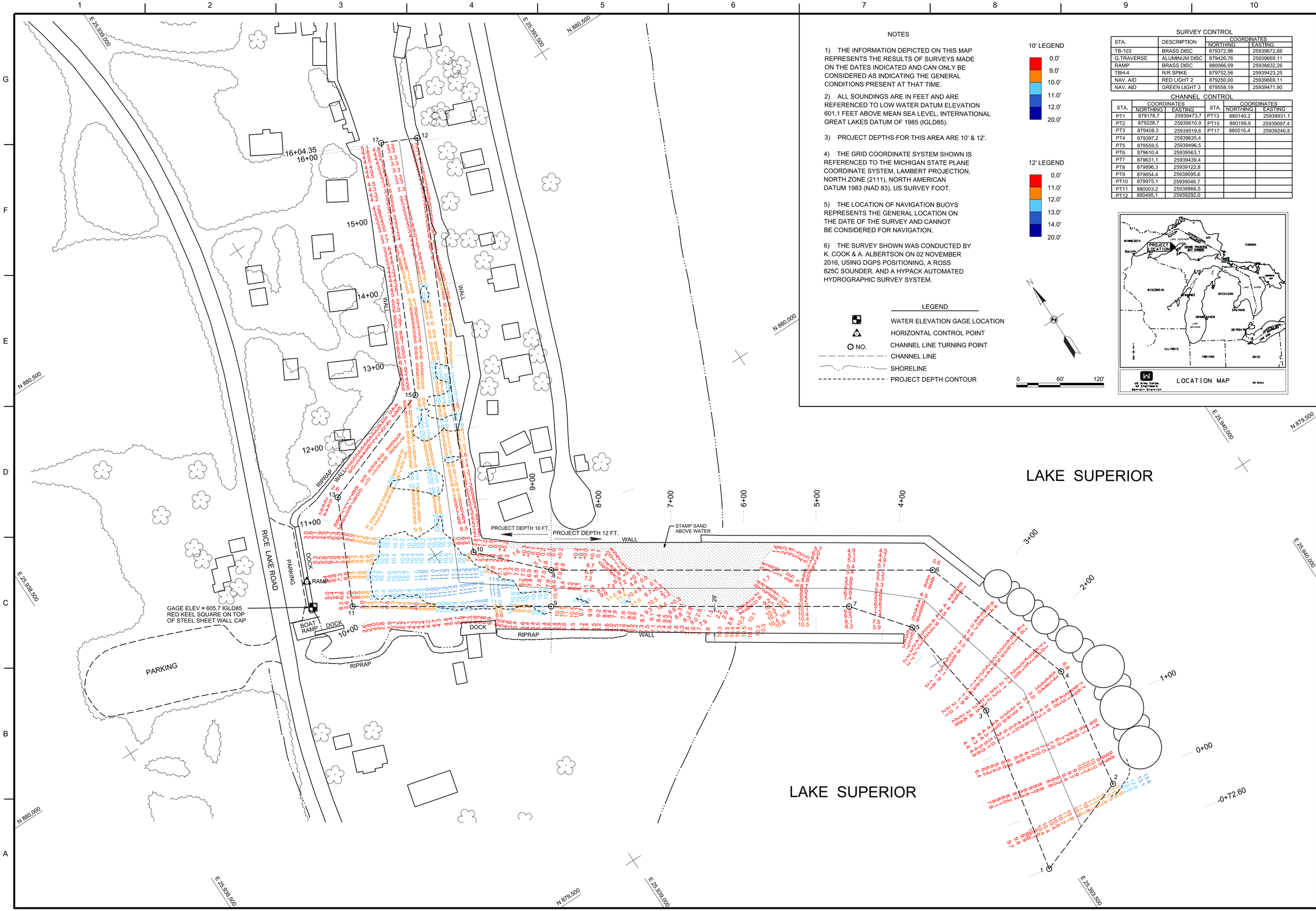

NOTES

1) 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 PRESENT AT THAT TIME.

2) ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 601.1 FEET ABOVE MEAN SEA LEVEL, INTERNATIONAL GREAT LAKES DATUM OF 1985 (IGLD85).

3) PROJECT DEPTHS FOR THIS AREA ARE 10' & 12'.

4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD 83), US SURVEY FOOT.

5) THE LOCATION OF NAVIGATION BUOYS REPRESENTS THE GENERAL LOCATION ON THE DATE OF THE SURVEY AND CANNOT BE CONSIDERED FOR NAVIGATION.

6) THE SURVEY SHOWN WAS CONDUCTED BY K. COOK & A. ALBERTSON ON 02 NOVEMBER 2016, USING DGPS POSITIONING, A ROSS 825C SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

LEGEND

- WATER ELEVATION GAGE LOCATION
- HORIZONTAL CONTROL POINT
- NO. CHANNEL LINE TURNING POINT
- CHANNEL LINE
- SHORELINE
- PROJECT DEPTH CONTOUR

10' LEGEND

0.0'
9.0'
10.0'
11.0'
12.0'
20.0'

12' LEGEND

0.0'
11.0'
12.0'
13.0'
14.0'
20.0'

N

0 60' 120'

SURVEY CONTROL

STA.	DESCRIPTION	COORDINATES	
		NORTHING	EASTING
TB-103	BRASS DISC	879372.96	25939672.66
G.TRAVERSE	ALUMINUM DISC	879426.76	25939669.11
RAMP	BRASS DISC	880066.09	25938832.26
TBH-4	R/R SPIKE	879752.56	25939423.25
NAV. AID	RED LIGHT 2	879250.00	25939669.11
NAV. AID	GREEN LIGHT 3	879558.19	25939471.90

CHANNEL CONTROL

STA.	COORDINATES		STA.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
PT1	879178.7	25939473.7	PT13	880140.2	25938931.1
PT2	879228.7	25939610.9	PT15	880199.9	25939097.4
PT3	879408.3	25939519.6	PT17	880516.4	25939246.8
PT4	879397.2	25939635.4			
PT5	879559.5	25939496.5			
PT6	879610.4	25939563.1			
PT7	879631.1	25939439.4			
PT8	879896.3	25939122.8			
PT9	879854.4	25939095.6			
PT10	879975.1	25939046.7			
PT11	880003.2	25938866.5			
PT12	880495.1	25939292.0			

US Army Corps of Engineers Detroit District

LOCATION MAP

NO SCALE

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: 18-Nov-16
SOLICITATION NO.:
CONTRACT NO.:
DRAWING NUMBER:
FILE NAME: GTVVH101C161.dgn

SURVEYED BY: KRC
DRAWN BY: ATA
REVIEWED BY: SJB
APPROVED BY:
SIZE: ANSI D

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

DULUTH AREA OFFICE
600 LAKE AVENUE SOUTH
DULUTH, MN 55802

GRAND TRAVERSE BAY HARBOR
MICHIGAN

CONDITION OF CHANNEL NOVEMBER 2016

SHEET ID

VH101

SHEET 1 OF 1