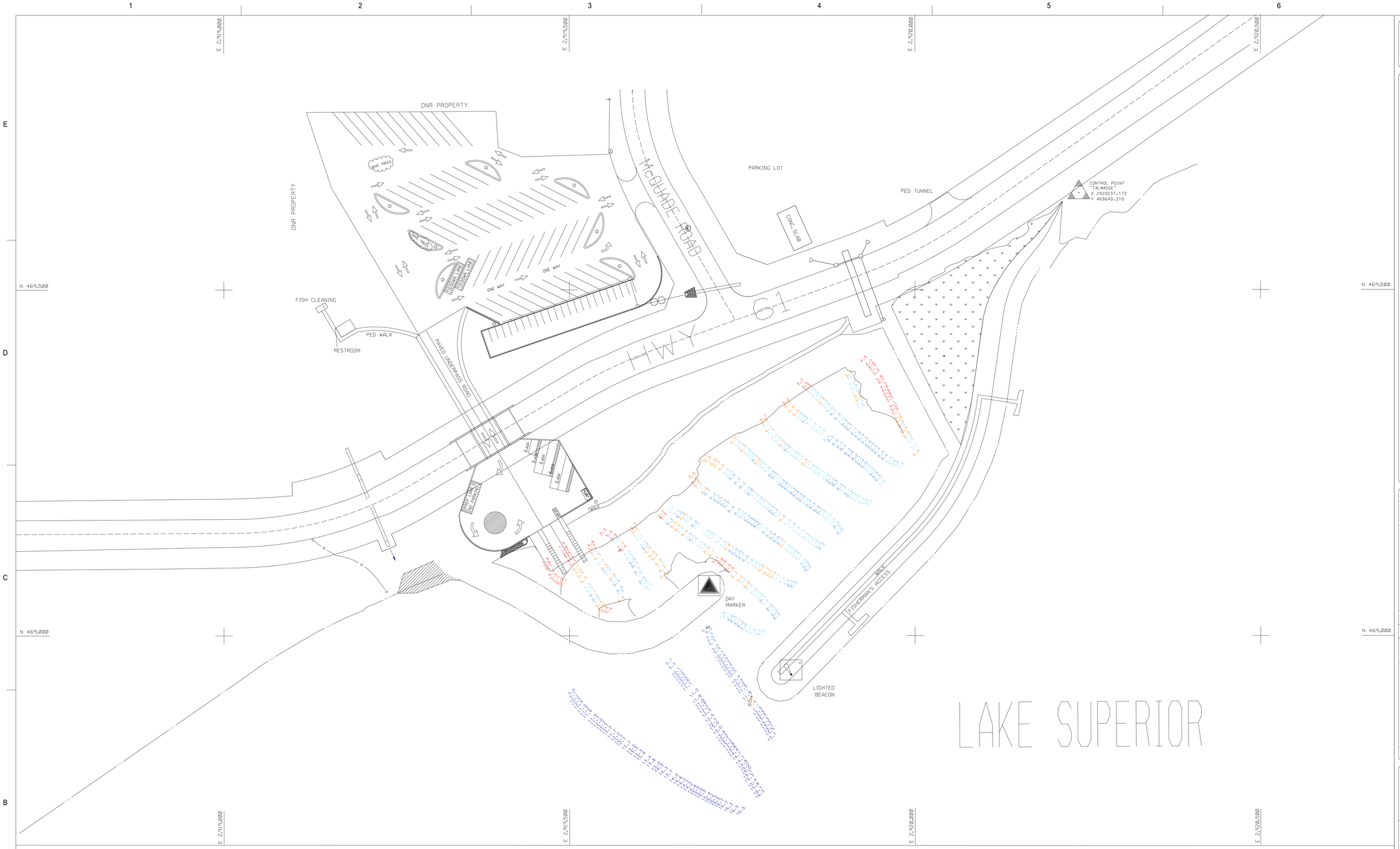

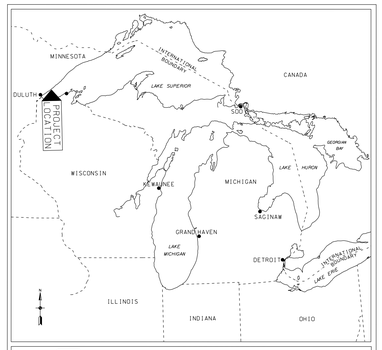

US Army Corps of Engineers
Detroit District

LOCATION MAP

0 25 50 75 100
SCALE OF MILES

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 ABOVE MEAN SEA LEVEL. IGLD 1985.

3) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2201), NORTH AMERICAN DATUM 1983 (NAD 83). US SURVEY FOOT.

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

5) THE SURVEY SHOWN WAS CONDUCTED BY K. COOK ON 27 APRIL 2015 USING DGPS POSITIONING. A ROSS 825C SOUNDER AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

LEGEND

SHORELINE

6 FT DEPTH CONTOUR

6' LEGEND

- 0.0'
- 5.0'
- 6.0'
- 7.0'
- 8.0'
- 9.0'
- 10.0'
- 11.0'
- 20.0'

N

0 50' 100'

US Army Corps of Engineers

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

SURVEY/CKR: KRC | DWN BY: KRC | DATE OF SURVEY: 27-Apr-15
REVIEWED BY: | SUBMITTED BY:
APPROVED BY: | CONTRACT NO.:
PLOT SCALE: 1" = 50' | IMAGE DATE: | DRAWING DATE: 24-Dec-15
SIZE: ANSI E | IMAGE SOURCE: | FILE NAME: MQSHP0501.dgn

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

DULUTH AREA OFFICE
600 LAKE AVENUE SOUTH
DULUTH, MN 55802

MCQUADE SAFE HARBOR
MINNESOTA

CONDITION OF CHANNEL
APRIL 2015

SHEET IDENTIFICATION
VH101
SHEET 1 OF 1