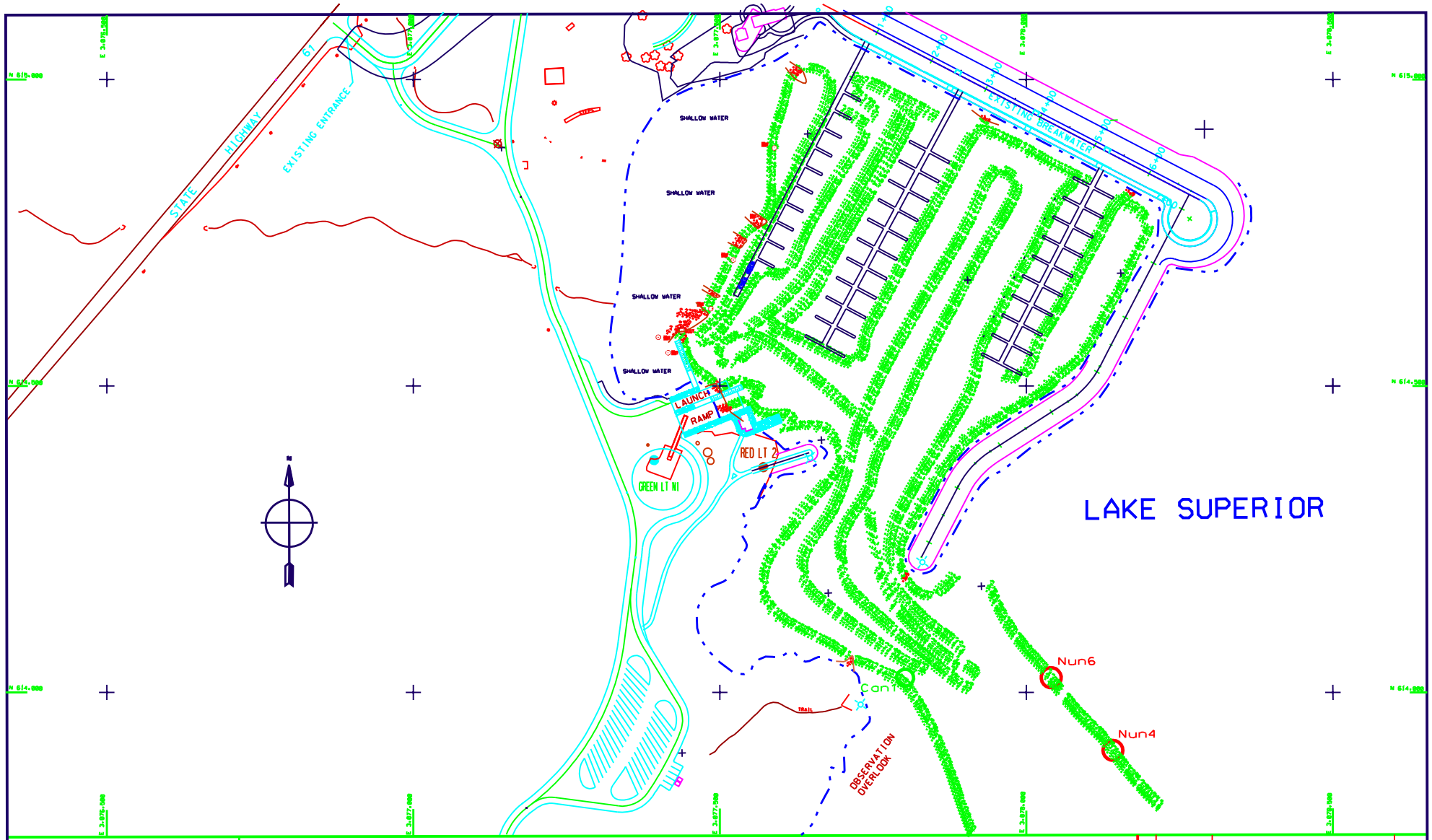

NOTES

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, I.G.L.D. 1985.

3: CONTOUR DEPTH FOR THIS AREA IS 4.0'

4: 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 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 DC DOLIZ, CIVIL ENGINEER TECH DURING 07 OCT., 2010 USING DGPS POSITIONING, AN INNERSPACE 440 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

7: THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING CHARTS AND ARE OUTDATED AND INACCURATE.

CONDENSED GRID SCALE FACTOR : 0.00000000
GRID DIST. DIVIDED BY CONDENSED GRID SCALE FACTOR : GROUND DIST.

LEGEND

- HORIZONTAL CONTROL POINT
- DREDGING LIMIT TURNING POINT
- NO. CHANNEL LINE TURNING POINT
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR

NO.	DATE	REVISION	BY

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

SILVER BAY SAFE HARBOR
MINNESOTA

CONDITION SURVEY · OCTOBER 2010

DULUTH AREA OFFICE — DULUTH, MN

DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF, PROJ. DPWS. SEC.
APPROVED:
CHIEF, CONST.-OPWS. DIVISION

APPROVAL RECOMMENDED:
CHIEF, OTS BRANCH
DATE

SCALE AS SHOWN 1" = 50'
CADD FILE NAME: ss:\bay conditions 2010.DGN
DRAWING NUMBER
SHEET 1 OF 1