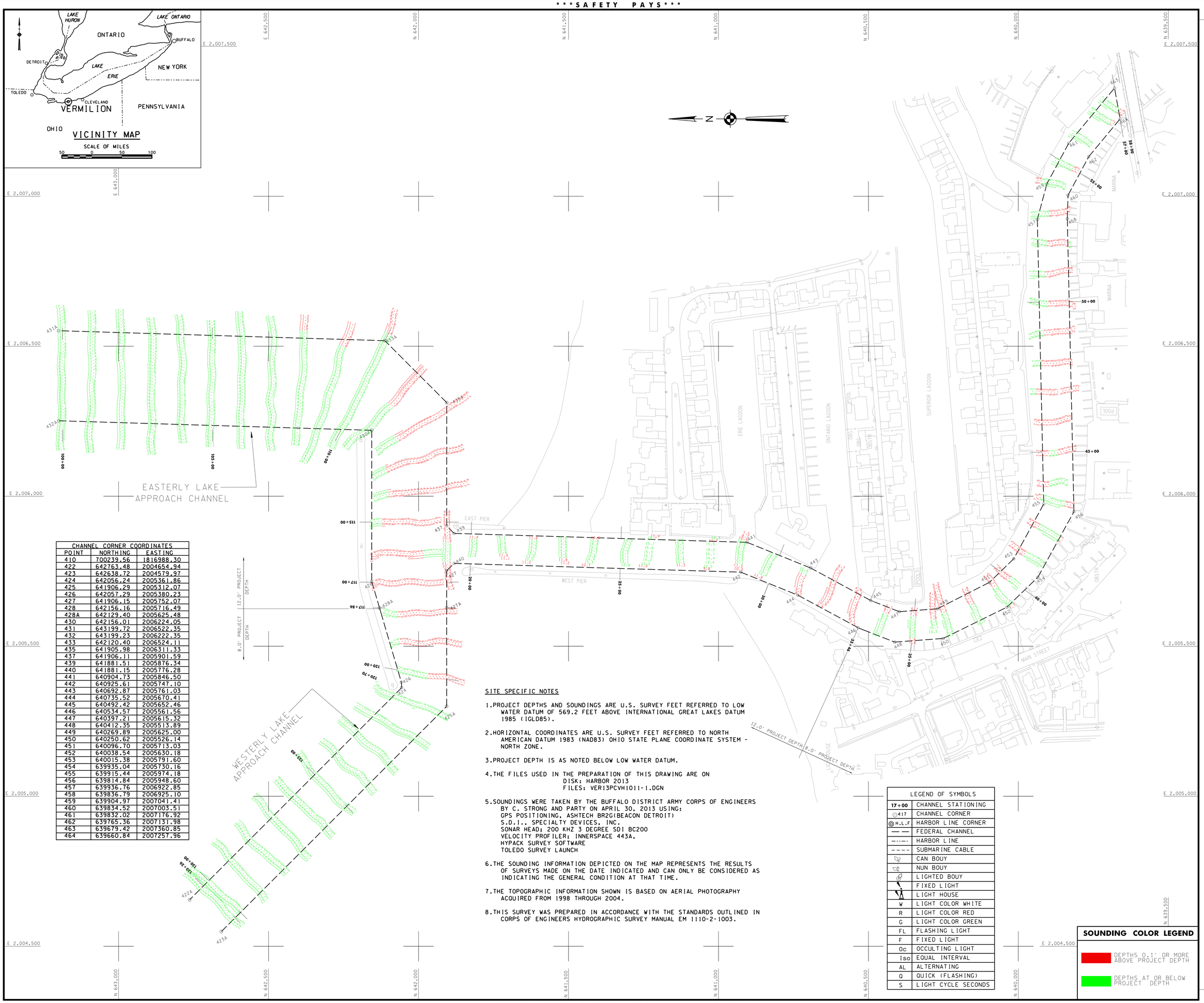

CHANNEL CORNER COORDINATES		
POINT	NORTHING	EASTING
410	700239.56	1816988.30
422	642763.48	2004654.94
423	642638.72	2004579.97
424	642056.24	2005361.86
425	641906.29	2005312.07
426	642057.29	2005380.23
427	641906.15	2005752.07
428	642156.16	2005716.49
428A	642129.40	2005625.48
430	642156.01	2006224.05
431	643199.72	2006522.35
432	643199.23	2006222.35
433	642120.40	2006524.11
435	641905.98	2006311.33
437	641906.11	2005901.59
439	641881.51	2005876.34
440	641881.15	2005776.28
441	640904.73	2005846.50
442	640925.61	2005747.10
443	640692.87	2005761.03
444	640735.52	2005670.41
445	640492.42	2005652.46
446	640534.57	2005561.56
447	640397.21	2005615.32
448	640412.35	2005513.89
449	640269.89	2005625.00
450	640250.62	2005526.14
451	640096.70	2005713.03
452	640038.54	2005630.18
453	640015.38	2005791.60
454	639935.04	2005730.16
455	639915.44	2005974.18
456	639814.84	2005948.60
457	639936.76	2006922.85
458	639836.79	2006925.10
459	639904.97	2007041.41
460	639834.52	2007003.51
461	639832.02	2007176.92
462	639765.36	2007131.98
463	639679.42	2007360.85
464	639660.84	2007257.96

SITE SPECIFIC NOTES

1. PROJECT DEPTHS AND SOUNDINGS ARE U.S. SURVEY FEET REFERRED TO LOW WATER DATUM OF 569.2 FEET ABOVE INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD85).

2. HORIZONTAL COORDINATES ARE U.S. SURVEY FEET REFERRED TO NORTH AMERICAN DATUM 1983 (NAD83) OHIO STATE PLANE COORDINATE SYSTEM - NORTH ZONE.

3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.

4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK: HARBOR 2013
   FILES: VER13PCVH1011-1.DGN

5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY C. STRONG AND PARTY ON APRIL 30, 2013 USING:
   GPS POSITIONING, ASHTECH BR2G(BEACON DETROIT)
   S.D.I., SPECIALTY DEVICES, INC.
   SONAR HEAD; 200 KHZ 3 DEGREE SDI BC200
   VELOCITY PROFILER; INNERSPACE 443A,
   HYPACK SURVEY SOFTWARE
   TOLEDO SURVEY LAUNCH

6. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.

7. THE TOPOGRAPHIC INFORMATION SHOWN IS BASED ON AERIAL PHOTOGRAPHY ACQUIRED FROM 1998 THROUGH 2004.

8. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.

LEGEND OF SYMBOLS	
17+00	CHANNEL STATIONING
417	CHANNEL CORNER
H.L.F	HARBOR LINE CORNER
— —	FEDERAL CHANNEL
—·—·—	HARBOR LINE
- - - -	SUBMARINE CABLE
	CAN BOUY
	NUN BOUY
	LIGHTED BOUY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

SOUNDING COLOR LEGEND

- DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
- DEPTHS AT OR BELOW PROJECT DEPTH

US Army Corps of Engineers
Buffalo District

Drawn by: PAN
Checked by: ACK
Reviewed by: Roman H. Figter III PLS
Chief, Survey Section
Approved: Edward F. Gawronski
Chief, NY/PA Navigation and Maintenance Section
Date: May 10, 2013

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207-3199

VERMILION HARBOR, OHIO

PROJECT CONDITION SOUNDINGS 2013

SCALE: 1" = 100'

SCALE IN FEET 25 0 50 100

Sheet reference number:
VH – 101

Sheet **1** of **1**

This drawing was prepared using a CADD system. Scaling may be distorted.

To view a color version of this map, point a web browser to http://www.lrb.usace.army.mil/WhoWeAre/WaterMgmt/Survey/survey.html