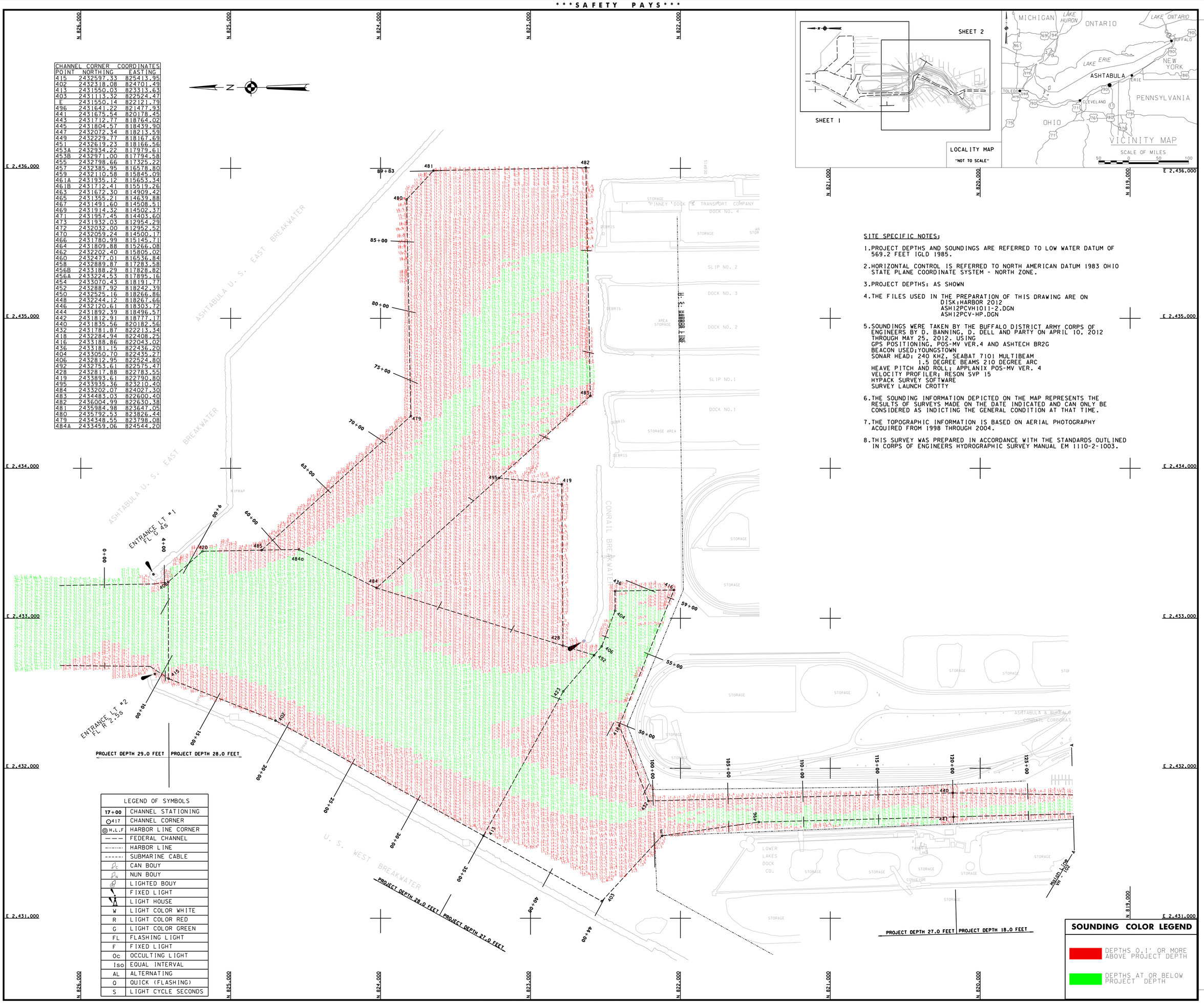
| CHANNEL CORNER COORDINATES | | |
|---|---|---|
| POINT | NORTHING | EASTING |
| 415 | 2432597.33 | 825413.95 |
| 402 | 2432318.08 | 824701.49 |
| 413 | 2431550.03 | 823313.63 |
| 403 | 2431113.32 | 822524.47 |
| E | 2431550.14 | 822121.79 |
| 496 | 2431641.22 | 821477.93 |
| 441 | 2431675.54 | 820178.45 |
| 443 | 2431712.77 | 818764.02 |
| 445 | 2431804.57 | 818439.90 |
| 447 | 2432072.34 | 818213.59 |
| 449 | 2432229.77 | 818167.69 |
| 451 | 2432619.23 | 818166.56 |
| 453A | 2432934.22 | 817979.61 |
| 453B | 2432971.00 | 817794.58 |
| 455 | 2432798.66 | 817325.22 |
| 457 | 2432385.95 | 816578.80 |
| 459 | 2432110.58 | 815845.09 |
| 461A | 2431935.12 | 815653.34 |
| 461B | 2431712.41 | 815519.26 |
| 463 | 2431672.30 | 814909.42 |
| 465 | 2431355.21 | 814639.88 |
| 467 | 2431491.60 | 814508.51 |
| 469 | 2431914.32 | 814502.37 |
| 471 | 2431957.45 | 814403.60 |
| 473 | 2431932.03 | 812954.29 |
| 472 | 2432032.00 | 812952.52 |
| 470 | 2432059.24 | 814500.17 |
| 466 | 2431780.99 | 815145.71 |
| 464 | 2431809.88 | 815266.08 |
| 462 | 2432202.40 | 815805.02 |
| 460 | 2432477.01 | 816536.84 |
| 458 | 2432889.87 | 817283.58 |
| 456B | 2433188.29 | 817828.82 |
| 456A | 2433224.53 | 817895.16 |
| 454 | 2433070.43 | 818191.77 |
| 452 | 2432887.92 | 818242.39 |
| 450 | 2432525.16 | 818266.86 |
| 448 | 2432244.12 | 818267.66 |
| 446 | 2432120.61 | 818303.72 |
| 444 | 2431892.39 | 818496.57 |
| 442 | 2431812.91 | 818777.17 |
| 440 | 2431835.56 | 820182.56 |
| 432 | 2431781.87 | 822213.34 |
| 418 | 2432284.94 | 822408.25 |
| 416 | 2433188.86 | 822043.02 |
| 436 | 2433181.15 | 822436.20 |
| 404 | 2433050.70 | 822435.27 |
| 406 | 2432812.95 | 822524.80 |
| 492 | 2432753.61 | 822575.47 |
| 428 | 2432817.88 | 822783.55 |
| 419 | 2433893.61 | 822790.80 |
| 495 | 2433935.36 | 823210.40 |
| 484 | 2433202.07 | 824027.30 |
| 483 | 2434483.03 | 822600.40 |
| 482 | 2436004.99 | 822630.38 |
| 481 | 2435984.98 | 823647.05 |
| 480 | 2435792.53 | 823826.44 |
| 479 | 2434348.55 | 823798.08 |
| 484A | 2433459.06 | 824544.20 |







SITE SPECIFIC NOTES:

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 OHIO STATE PLANE COORDINATE SYSTEM - NORTH ZONE.
3. PROJECT DEPTHS: AS SHOWN
4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK:HARBOR 2012
   ASH12PCVH1011-2.DGN
   ASH12PCV-HP.DGN
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING, D. DELL AND PARTY ON APRIL 10, 2012 THROUGH MAY 25, 2012. USING
   GPS POSITIONING, POS-MV VER.4 AND ASHTECH BR2G
   BEACON USED;YOUNGSTOWN
   SONAR HEAD: 240 KHZ, SEABAT 7101 MULTIBEAM
   1.5 DEGREE BEAMS 210 DEGREE ARC
   HEAVE PITCH AND ROLL: APPLANIX POS-MV VER. 4
   VELOCITY PROFILER: RESON SVP 15
   HYPACK SURVEY SOFTWARE
   SURVEY LAUNCH CROTTY
6. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICTING THE GENERAL CONDITION AT THAT TIME.
7. THE TOPOGRAPHIC INFORMATION 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 |
| C | CAN BOUY |
| N | 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. Figler III PLS
Chief, Survey Section
Approved: Raymond N. Lewis
Chief, NY/PA Navigation and Maintenance Section
Date: October 2, 2012

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

ASHTABULA HARBOR, OHIO

**PROJECT CONDITION SOUNDINGS 2012**

SCALE: 1" = 200'

SCALE OF FEET 50 0 100 200

Sheet reference number:
**VH - 301**

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

**12S-ASH-1/1**

To view a color version of this map, point a web browser to http://www.lrb.usace.army.mil/WebBafer/MotherMgmt/survey/survey.html This drawing was prepared using a CADD system. Scaling may be distorted.