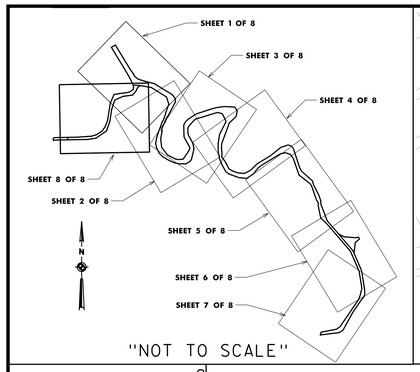
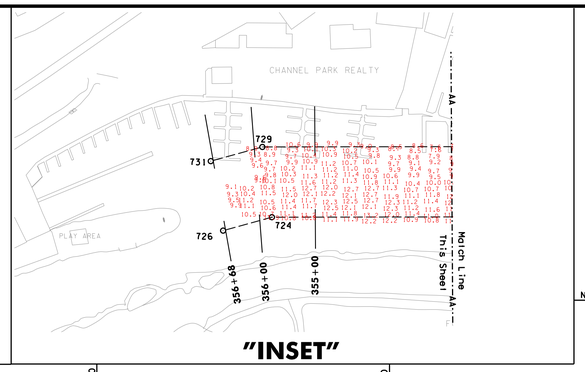
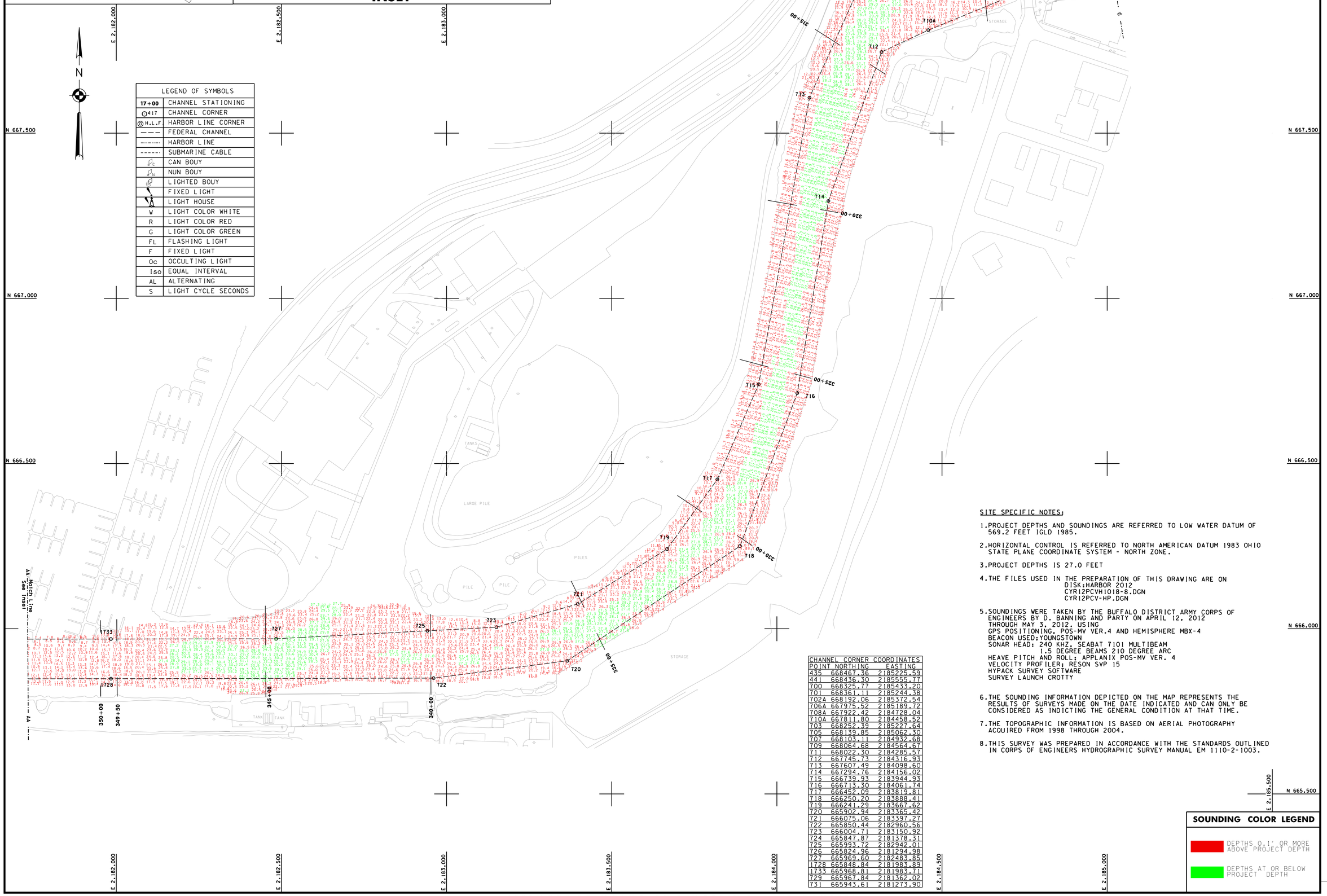


"NOT TO SCALE"



"INSET"



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
S	LIGHT CYCLE SECONDS

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 IS 27.0 FEET
4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK:HARBOR 2012
   CYR12PCVH1018-8.DGN
   CYR12PCV-HP.DGN
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON APRIL 12, 2012 THROUGH MAY 3, 2012. USING
   GPS POSITIONING, POS-MV VER.4 AND HEMISPHERE MBX-4
   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.

CHANNEL CORNER COORDINATES

POINT	NORTHING	EASTING
435	668467.36	2185225.59
441	668436.30	2185555.77
700	668325.77	2185433.20
701	668361.11	2185244.38
702A	668192.06	2185372.54
706A	667975.52	2185189.72
708A	667922.42	2184728.04
710A	667811.80	2184458.52
703	668252.39	2185227.64
705	668139.85	2185062.30
707	668103.11	2184932.68
709	668064.68	2184564.67
711	668022.30	2184285.57
712	667745.73	2184316.93
713	667607.49	2184098.60
714	667294.76	2184156.02
715	666739.93	2183944.93
716	666713.30	2184061.74
717	666452.09	2183819.81
718	666250.20	2183888.41
719	666241.29	2183667.62
720	665902.94	2183365.42
721	666075.06	2183397.27
722	665850.44	2182960.56
723	666004.71	2183150.92
724	665847.87	2181378.31
725	665993.72	2182942.01
726	665824.96	2181294.98
727	665969.60	2182483.85
1728	665848.84	2181983.89
1733	665968.81	2181983.71
729	665967.84	2181362.02
731	665943.61	2181273.90

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: Ronald H. Figler III PLS
Chief, Survey Section
Approved: Raymond N. Lewis
Chief, NY/PA Navigation and Maintenance Section
Date: May 7, 2012

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

CLEVELAND HARBOR, OHIO
CUYAHOGA RIVER AND OLD RIVER
PROJECT CONDITION SOUNDINGS 2012
SCALE: 1" = 100'
SCALE OF FEET 25 0 50 100

Sheet reference number:
VH - 108
Sheet **8** of **8**

12S-CYR-1/8

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/AMOWBAfter/AfterMight/survey/survey.html