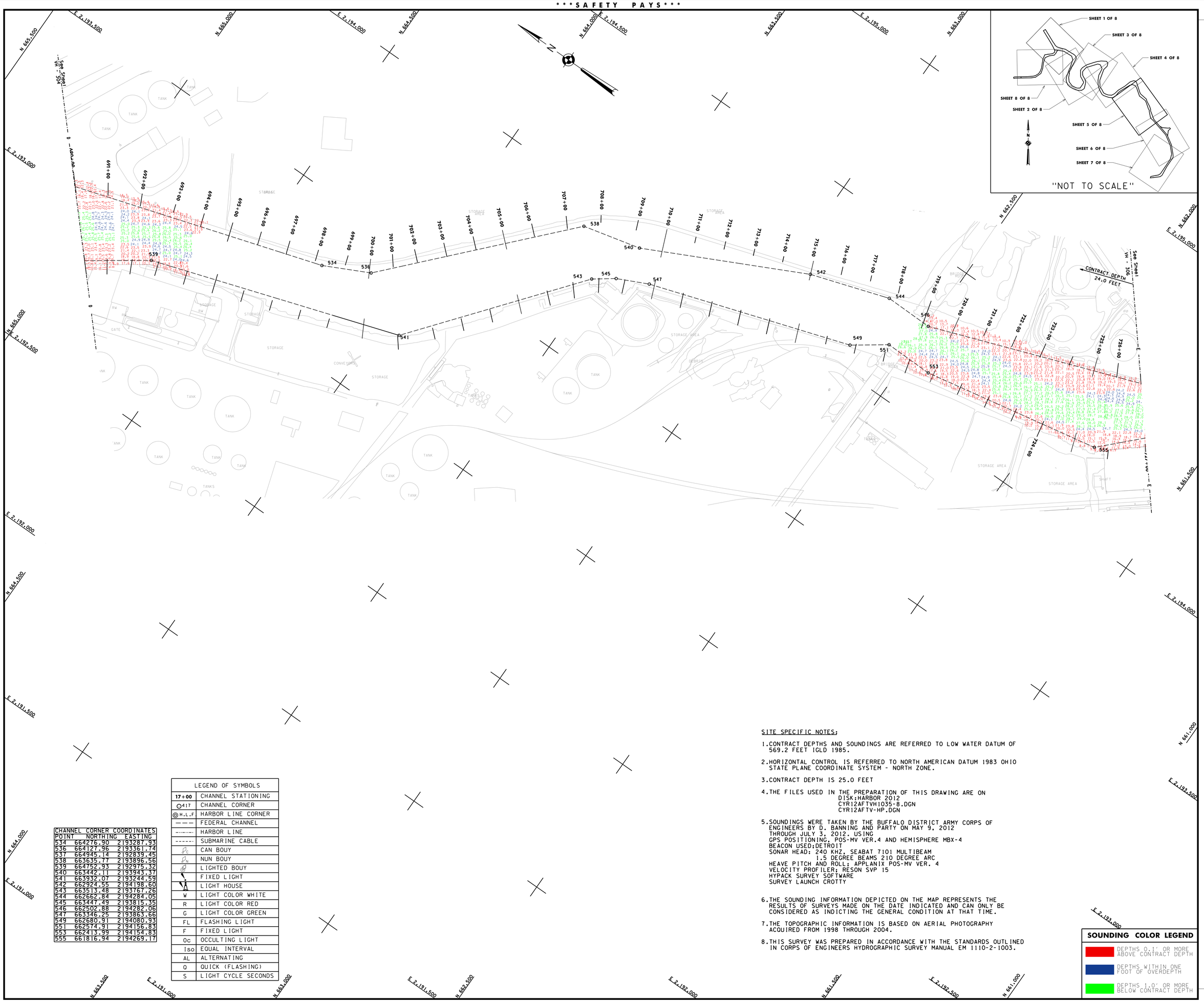

CHANNEL CORNER COORDINATES		
POINT	NORTHING	EASTING
534	664276.90	2193287.93
536	664127.96	2193361.74
537	664945.14	2192839.45
538	663635.77	2193896.56
539	664752.93	2192975.32
540	663442.11	2193943.37
541	663932.07	2193244.59
542	662924.55	2194198.60
543	663513.48	2193767.26
544	662662.84	2194284.05
545	663447.49	2193815.35
546	662502.88	2194282.06
547	663346.25	2193863.66
549	662680.91	2194080.93
551	662574.91	2194156.83
553	662413.99	2194154.83
555	661816.94	2194269.17

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
O	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

SITE SPECIFIC NOTES;

1. CONTRACT 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. CONTRACT DEPTH IS 25.0 FEET
4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK:HARBOR 2012
   CYR12AFTVH1035-8.DGN
   CYR12AFTV-HP.DGN
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON MAY 9, 2012 THROUGH JULY 3, 2012. USING
   GPS POSITIONING, POS-MV VER.4 AND HEMISPHERE MBX-4 BEACON USED;DETROIT
   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.

SOUNDING COLOR LEGEND

- DEPTHS 0.1' OR MORE ABOVE CONTRACT DEPTH
- DEPTHS WITHIN ONE FOOT OF OVERDEPTH
- DEPTHS 1.0' OR MORE BELOW CONTRACT DEPTH

US Army Corps of Engineers
Buffalo District

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/WebBafer/WaterMgmt/Survey/Survey.html

Drawn by:	PAN	
Checked by:	ACK	
Reviewed by:		
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Approved:		
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207-3199

CLEVELAND HARBOR, OHIO
CUYAHOGA RIVER
AFTER CONTRACT DREDGING SOUNDINGS 2012
SCALE; 1" = 100'
SCALE OF FEET 25 0 50 100

Sheet reference number:
VH - 305
Sheet **5** of **8**

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