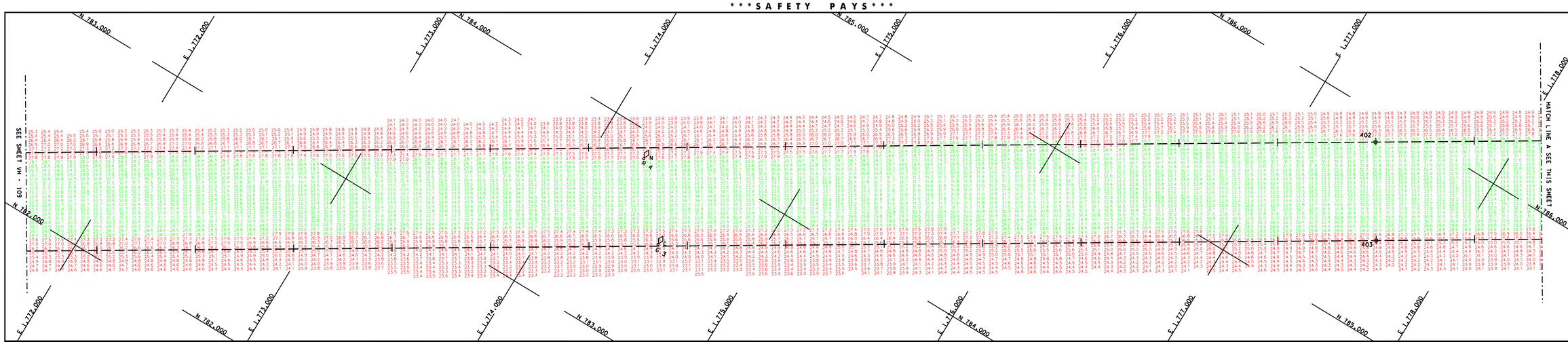
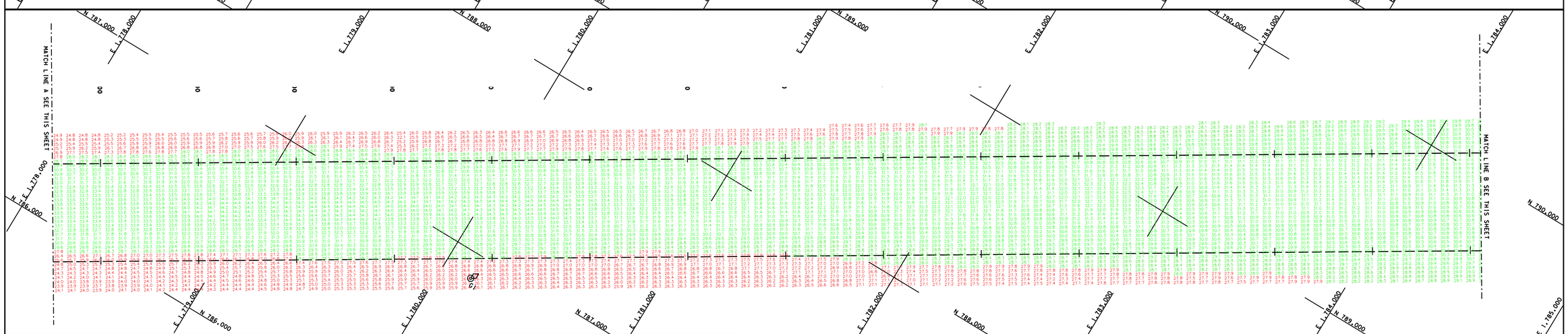
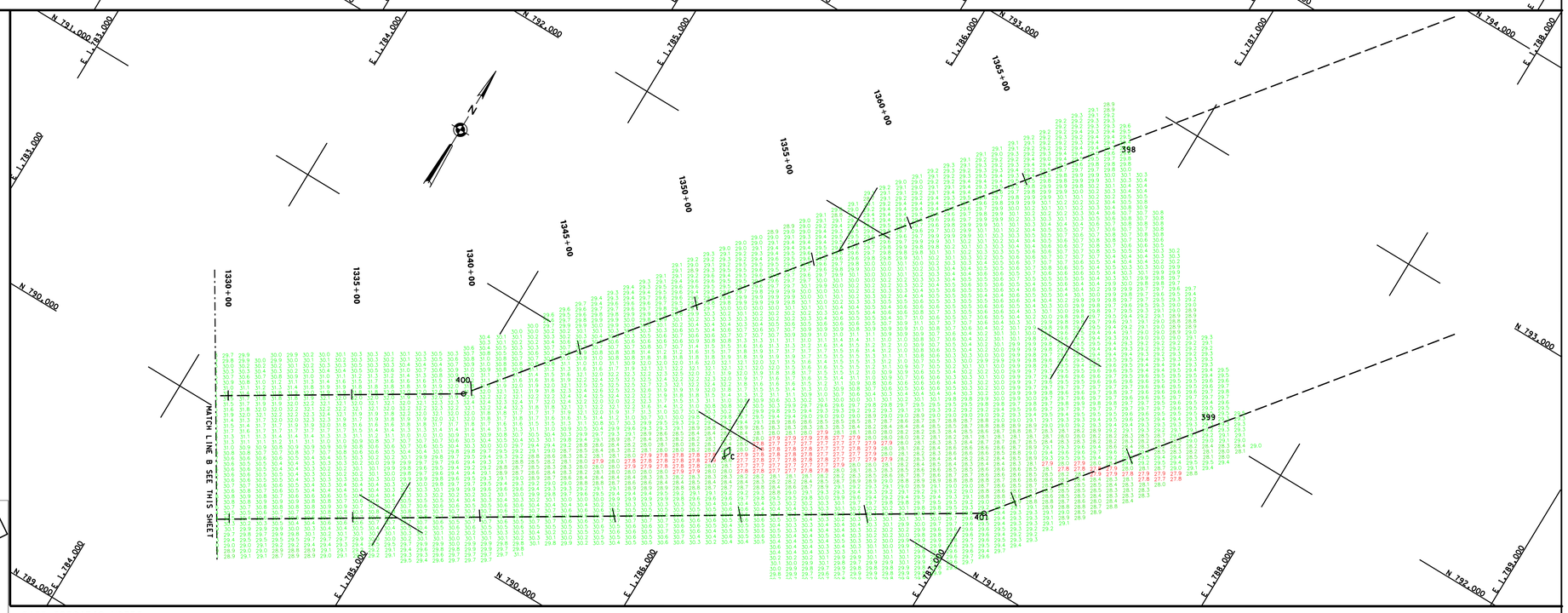
SAFETY PAYS

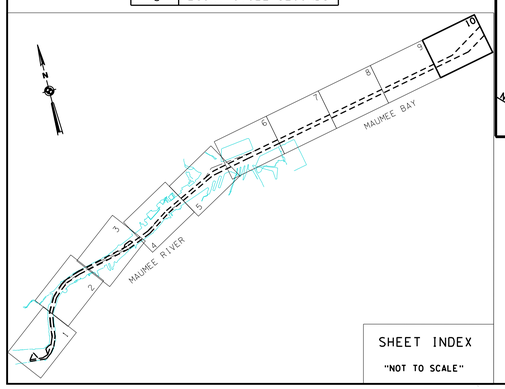






CHANNEL CORNER COORDINATES		
POINT	NORTHING	EASTING
402	785869.6	1777378.3
400	790568.0	1784999.1
398	792757.6	1786708.3
396	814088.3	1803358.9
403	785444.0	1777640.7
401	791246.5	1787052.5
399	792018.6	1787655.1
397	815150.8	1805712.0

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



SHEET INDEX

"NOT TO SCALE"

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. UNLESS OTHERWISE NOTED, PROJECT DEPTH IS 28.0 FEET BELOW LOW WATER DATUM.
4. THE FILES USED IN THE PREPARATION OF THIS DRAWING ARE ON
   DISK:HARBOR 2012
   FILES: TOL12PCVH1011-10.DGN
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY C. STRONG AND PARTY ON AUGUST 13 TO 15, 2012 USING:
   GPS POSITIONING, POS-MV VER. 4 AND ASHTECH BR2G(BEACON 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; 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

- DEPTHS 0.1' OR MORE ABOVE MAINTENANCE DEPTH
- DEPTHS AT OR BELOW MAINTENANCE 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/WhoWeAre/WaterMgmt/survey/survey.html

Drawn by: PAN
Checked by: ACK
Reviewed by: Roman H. Figler III PLS
Chief, Survey Section
Approved: Raymond N. Lewis
Date: SEPTEMBER 5, 2012
Chief, NY/PA Navigation and Maintenance Section

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

TOLEDO HARBOR, OHIO
BAY SECTIONS
PROJECT CONDITION SOUNDINGS 2012
SCALE: 1" = 200'
SCALE OF FEET 50 0 100 200

Sheet reference number:
VH - 1010
Sheet **10** of **10**

SUPPORT VALUE ENGINEERING - IT PAYS