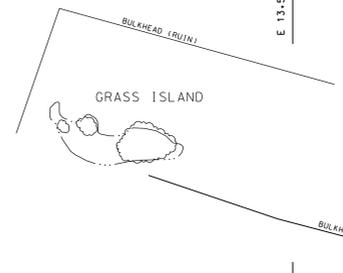
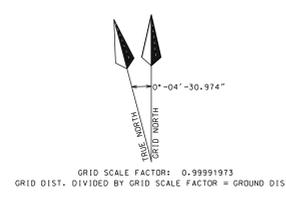


N 404.000
E 13,547.000
E 13,548.000
E 13,550.000
N 404.000



LEGEND
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

LOW WATER DATUM
ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1985). THE LOW WATER DATUM OF THE CLINTON RIVER 572.3 FT. ABOVE MEAN SEA LEVEL.

GRID COORDINATES
GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

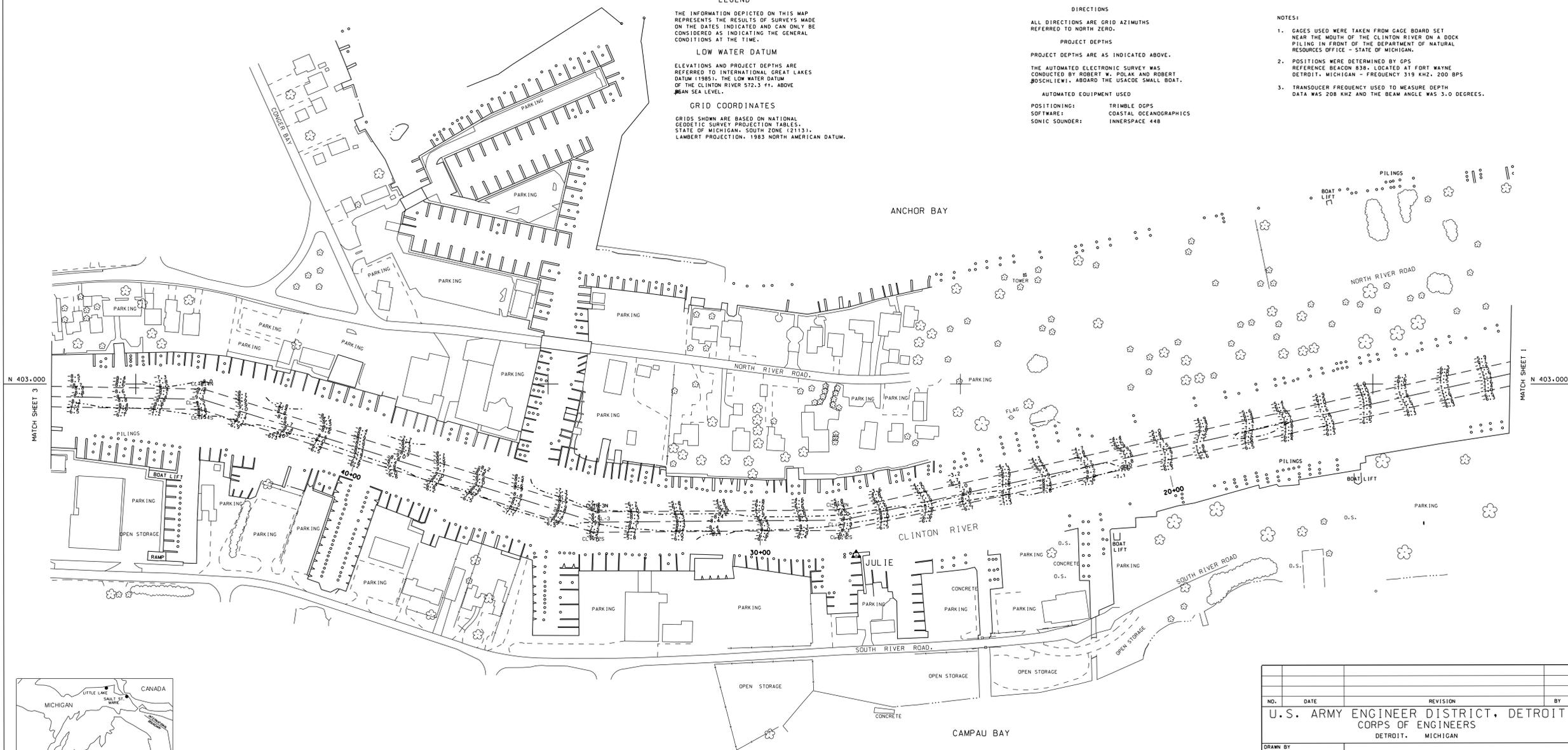
DIRECTIONS
ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS
PROJECT DEPTHS ARE AS INDICATED ABOVE.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY ROBERT W. POLAK AND ROBERT BOSCHLEWICZ, ABOARD THE USACOE SMALL BOAT.

AUTOMATED EQUIPMENT USED
POSITIONING: TRIMBLE DGPS
SOFTWARE: COASTAL OCEANOGRAPHICS
SONIC SOUNDER: INNERSPACE 448

- NOTES:**
1. GAGES USED WERE TAKEN FROM GAGE BOARD SET NEAR THE MOUTH OF THE CLINTON RIVER ON A DOCK PILING IN FRONT OF THE DEPARTMENT OF NATURAL RESOURCES OFFICE - STATE OF MICHIGAN.
 2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS
 3. TRANSDUCER FREQUENCY USED TO MEASURE DEPTH DATA WAS 208 KHZ AND THE BEAM ANGLE WAS 3.0 DEGREES.

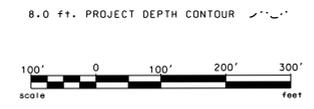


CENTER LINE T.P.

T.P.	EAST X	NORTH Y
2	13,548,714.06	402,666.82
3	13,548,114.13	402,661.80
4	13,547,160.59	402,962.82

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
2N	13,548,713.22	402,691.80
2S	13,548,716.89	402,641.85
3N	13,548,117.88	402,686.84
2S	13,548,110.38	402,636.77
4N	13,547,164.66	402,987.74
4S	13,547,156.52	402,937.88



NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DRAWN BY		CLINTON RIVER, MICH. CONDITION SOUNDINGS C.S. 12+00 W TO C.S. 47+00 W 31 MAR 2008 DETROIT AREA OFFICE	
DESIGNED BY			
CHECKED BY			
REVIEWED:			
SUBMITTED:		APPROVAL RECOMMENDED:	
APPROVED		DATE	
		SCALE 1" = 100'	
		DRAWING NUMBER c110208c.dgn	
		SHEET 2 OF 10	