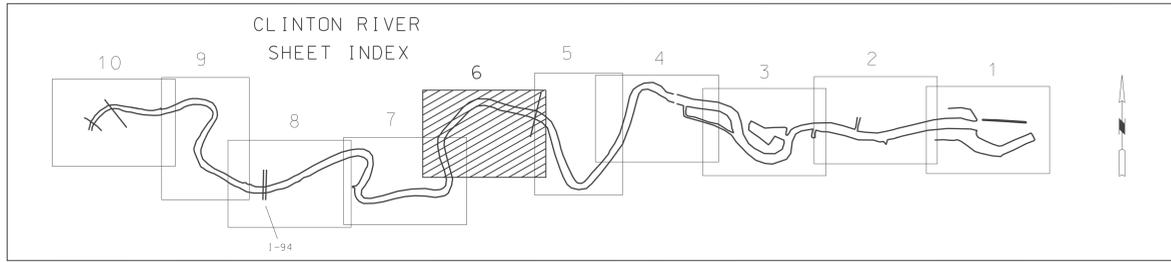
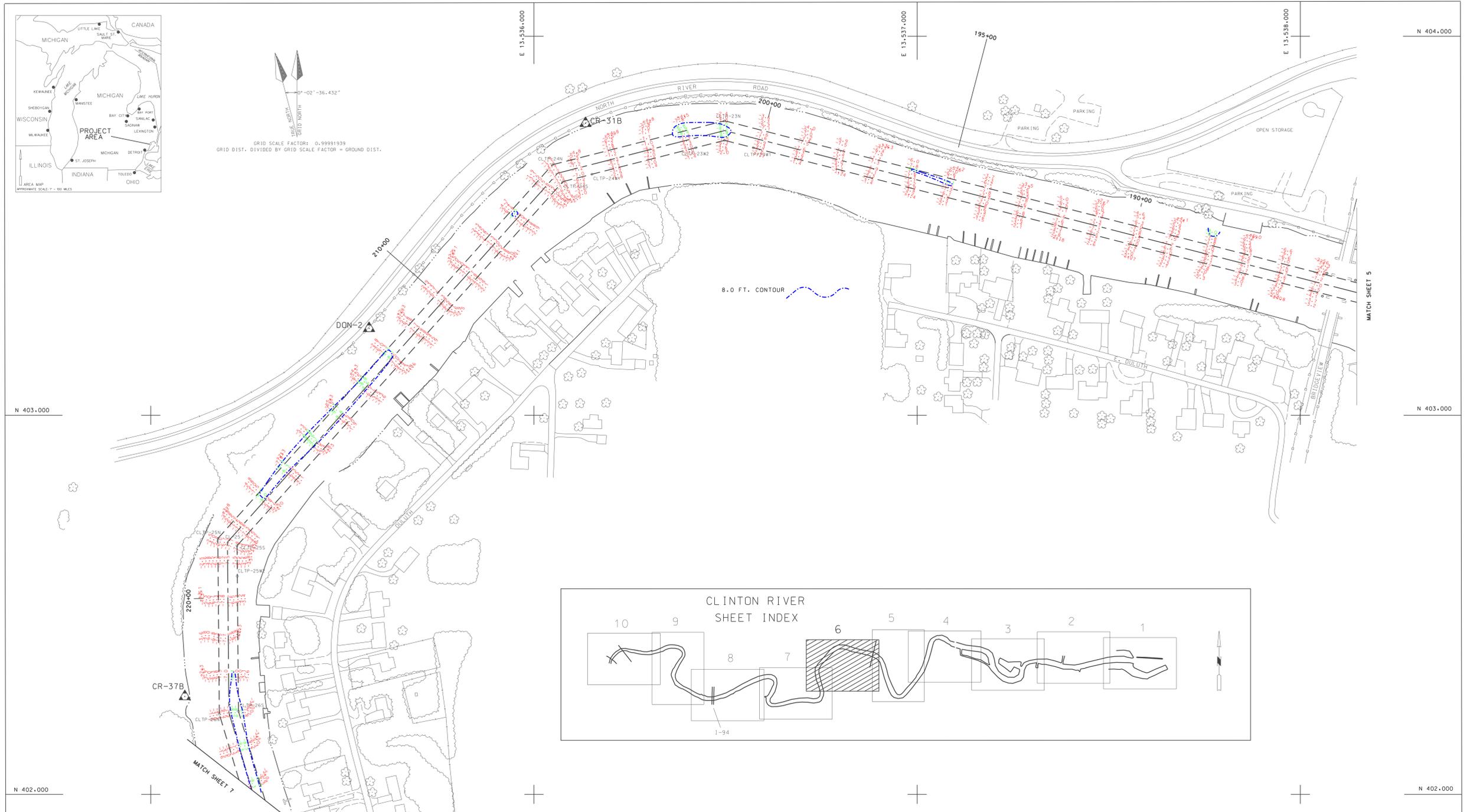




GRID SCALE FACTOR: 0.99991939
 GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.



CENTER LINE T.P.		
T.P.	EAST X	NORTH Y
23	13,536,497.48	403,751.11
24	13,536,061.82	403,638.61
25	13,535,200.16	402,665.38
26	13,535,203.94	402,215.45

CHANNEL LINE T.P.		
T.P.	EAST X	NORTH Y
23N	13,536,497.49	403,776.94
23S	13,536,497.47	403,725.29
23W1	13,536,572.46	403,705.87
23W2	13,536,422.47	403,705.92
24N	13,536,048.17	403,660.91
24S	13,536,075.47	403,616.32
24W1	13,536,151.39	403,635.92
24W2	13,536,023.49	403,557.60
25N	13,535,175.08	402,674.77
25S	13,535,225.24	402,655.99
25W1	13,535,278.49	402,716.14
25W2	13,535,225.91	402,675.67
26N	13,535,178.97	402,211.72
26S	13,535,228.91	402,219.17

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 THAT TIME.

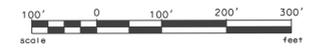
LOW WATER DATUM
 ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1985). THE LOW WATER DATUM FOR CLINTON RIVER IS 512.3 FT ABOVE MEAN SEA LEVEL.

GRID COORDINATES
 GRID POINTS ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLE, STATE OF MICHIGAN, SOUTH ZONE, (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.
 ALL COORDINATES ARE IN U.S. SURVEY FEET.

DIRECTIONS
 ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.
 PROJECT DEPTHS ARE AS INDICATED ABOVE. ALL DEPTHS ARE IN U.S. SURVEY FEET.

AUTOMATED EQUIPMENT USED
 POSITIONING: TRIMBLE DGPS VIA U.S. COAST GUARD SYSTEM SOFTWARE, HPAC.
 SONIC SOUNDER: DDOM CV-300 WITH 200KHZ 4 DEGREE TRANSDUCER

NOTES
 GAGES USED WERE REFERENCED FROM GAGE BOARD SET ON PILING NEAR MOUTH OF CLINTON RIVER, ON THE EAST SIDE OF THE ONR DOCK, IN FRONT OF THE ONR FISHERIES BUILDING, AND FROM A 4 FT MARK SET ON A CONCRETE HEADWALL DOWNRIVER OF THE FEDERAL LOADING DOCK, ABOVE BRIDGEVIEW RD. BRIDGE, AT APP. CS 186+50.
 POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE, DETROIT, MICHIGAN, FREQUENCY 319 KHZ, 200 BPS.



NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY	CLINTON RIVER, MICH. CONDITION SURVEY		
CHECKED BY	CS 185+00 TO CS 200+00 23 JULY 2012 CS 201+02 TO CS 224+00 24 JULY 2012		
REVIEWED:	DETROIT AREA OFFICE		
SUBMITTED:	APPROVAL RECOMMENDED:		
APPROVED	DATE		
		SCALE 1" = 100'	DRAWING NUMBER
		SHEET 6 OF 10 CL10612c.dgn	