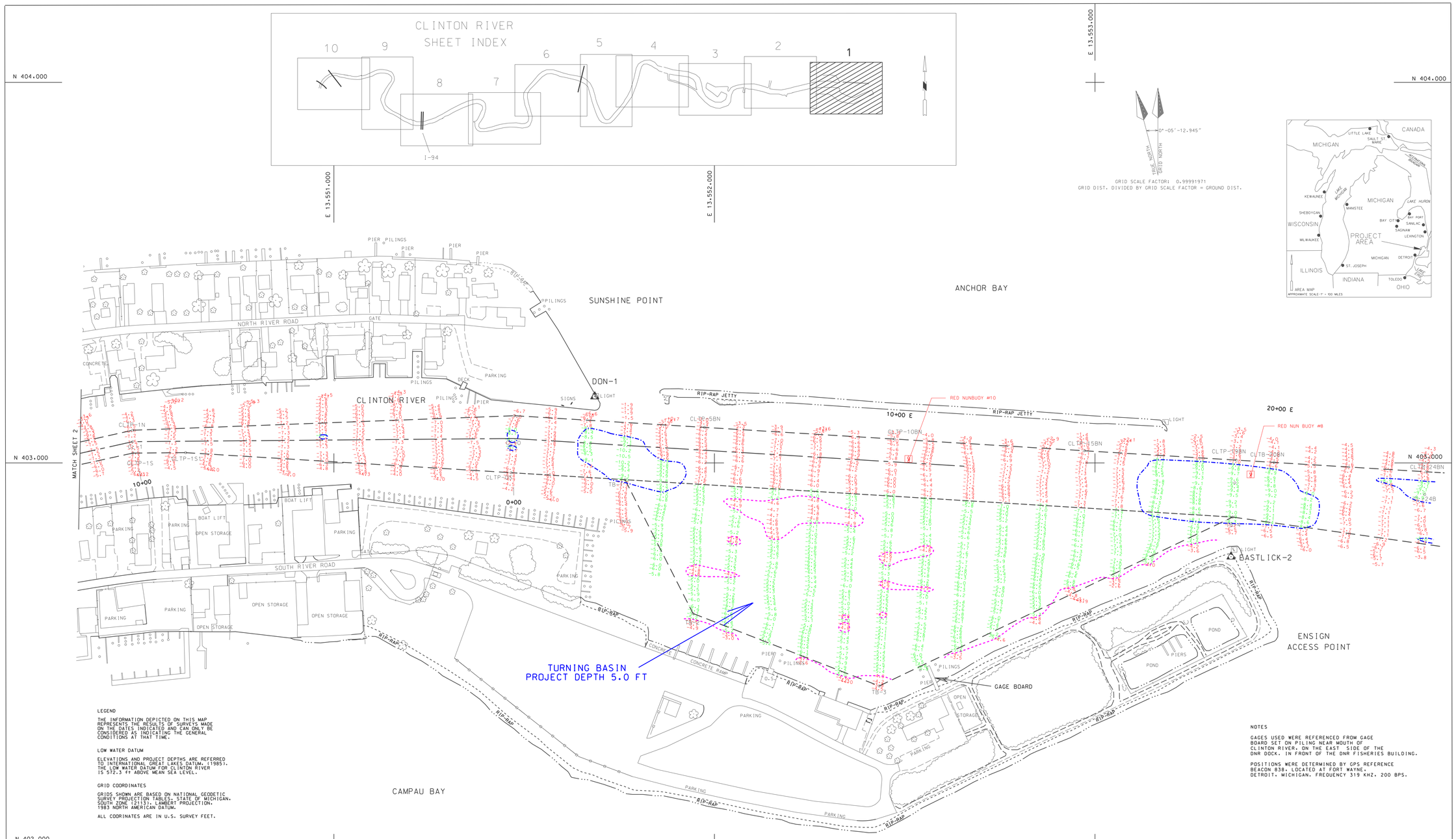

LEGEND

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 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.

ALL COORINATES 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.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY JOSEPH D. PERCELL AND BRIAN WACKERMAN (12 JULY 2012), DAN BONACORSI (13 JULY 2012), ABOARD THE USACE SURVEY VESSEL SKIFF.

AUTOMATED EQUIPMENT USED

POSITIONING: TRIMBLE DGPS VIA U.S. COAST GUARD SYSTEM
SOFTWARE: HYPACK
SONIC SOUNDER: ODOM 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 DNR DOCK. IN FRONT OF THE DNR FISHERIES BUILDING.

POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838. LOCATED AT FORT WAYNE, DETROIT, MICHIGAN. FREQUENCY 319 KHZ. 200 BPS.

PROJECT DEPTH IN CHANNEL ONLY 8.0 FT.

PROJECT DEPTH IN TURNING BASIN 5.0 FT.

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
0	13.551.471.22	403.064.12
1	13.550.471.35	403.055.75
19B	13.553.367.46	402.947.47
24B	13.553.866.47	402.916.77

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
0S	13.551.465.70	402.974.29
1N	13.550.471.10	403.085.75
1S	13.550.471.60	403.025.75
1S1	13.550.610.40	403.026.91
5BN	13.551.973.91	403.093.31
10BN	13.552.472.93	403.062.61
15BN	13.552.971.94	403.031.91
19BN	13.553.371.15	403.007.36
20BN	13.553.470.95	403.001.22
24BN	13.553.870.16	402.976.66
TB-1	13.551.765.10	402.955.88
TB-2	13.551.943.83	402.604.23
TB-3	13.552.433.02	402.413.84
TB-4	13.553.361.94	402.857.64

NO.	DATE	REVISION	BY
1	MARCH 11, 1994	ADDED POINTS 19B, 24B & 24BN	B.A.

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

DRAWN BY J. PERCELL
DESIGNED BY
CHECKED BY
REVIEWED:
SUBMITTED:
CHIEF, PROJ. OPNS. SECT

CLINTON RIVER, MICH.

CONDITION SURVEY

CS 0+00 TO CS 24+50E 12 JULY 2012
CS 0+00 TO CS 11+00W 13 JULY 2012

DETROIT AREA OFFICE

APPROVAL RECOMMENDED:
CHIEF, OTS BRANCH
DATE

APPROVED
PE
CHIEF, CONST - OPNS DIVISION

SCALE 1" = 100'
DRAWING NUMBER CLI0112c.dgn
SHEET 1 OF 10