E 13,533.000

E 13,534.000

E 13,535.000

N 402.000

N 401.000

MATCH SHEET 8

MATCH SHEET 6

NORTH RIVER RD.

SOUTH RIVER RD.

CLINTON RIVER

DULUTH

BUSH

GEORGE

BOAT

CR-65-44

PP-1-7-10

CR-39B

NEVE

280+00

270+00

260+00

250+00

240+00

230+00

CULTIVATED

PILINGS

CLTP-36N
CLTP-36W1
CLTP-36W2
CLTP-36S
CLTP-35N
CLTP-35W2
CLTP-35S
CLTP-35W1
CLTP-34W2
CLTP-34S
CLTP-34N
CLTP-34W1
CLTP-33W2
CLTP-33S
CLTP-33W1
CLTP-32W2
CLTP-32N
CLTP-32W1
CLTP-32S
CLTP-31N
CLTP-31S
CLTP-30N
CL-30
CLTP-30S
CLTP-29W2
CLTP-29W1
CLTP-29N
CLTP-29S
CLTP-28N
CL-28
CLTP-28S
CLTP-27S

0°-02'-07.571"

TRUE NORTH

GRID NORTH

GRID SCALE FACTOR: 0.99991996

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

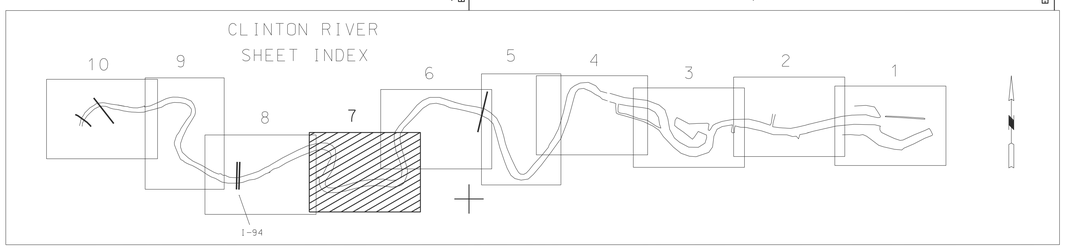
CENTER LINE T.P.

T.P.	EAST X	NORTH
27	13,535,445.06	401,400.45
28	13,535,400.63	401,103.79
29	13,535,221.99	400,892.77
30	13,534,047.11	400,884.94
31	13,532,977.51	400,628.56
32	13,532,685.85	400,698.69
33	13,532,622.45	400,888.35
34	13,533,021.47	401,805.18
35	13,532,942.23	402,042.26
36	13,532,614.46	402,164.94

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
27N	13,535,419.52	401,398.67
27S	13,535,470.61	401,402.23
28N	13,535,376.97	401,114.59
28S	13,535,424.29	401,093.00
29N	13,535,210.37	400,919.67
29S	13,535,233.57	400,869.87
29W1	13,535,263.92	400,982.32
29W2	13,535,127.96	400,918.98
30N	13,534,044.05	400,909.90
30S	13,534,050.17	400,859.96
31N	13,532,977.52	400,654.27
31S	13,532,977.50	400,602.85
32N	13,532,705.16	400,719.76
32S	13,532,666.53	400,677.62
32W1	13,532,788.53	400,699.71
32W2	13,532,677.98	400,801.07
33S	13,532,595.70	400,889.53
33W1	13,532,674.25	400,860.99
33W2	13,532,681.26	400,960.83
34N	13,533,048.22	401,803.99
34S	13,532,994.72	401,806.35
34W1	13,532,962.66	401,732.70
34W2	13,532,969.25	401,882.54
35N	13,532,962.16	402,061.49
35S	13,532,922.30	402,023.02
35W1	13,532,948.64	401,944.22
35W2	13,532,844.48	402,052.15
36N	13,532,615.62	402,191.20
36S	13,532,613.30	402,138.67
36W1	13,532,687.16	402,111.03
36W2	13,532,537.31	402,117.63

CLINTON RIVER
SHEET INDEX



NOTES:

1) THE SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.

2) THE SOUNDINGS DEPICTED HEREIN ARE EXPRESSED IN U.S. SURVEY FEET AND TENTHS THEREOF AND ARE REFERENCED TO THE FOLLOWING DATUMS:
HORIZONTAL: MICHIGAN STATE PLANE COORDINATE SYSTEM, MICHIGAN SOUTH ZONE #2113, NORTH AMERICAN DATUM (NAD) OF 1983.
VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985.

3) THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL SKIFF EMPLOYING THE FOLLOWING COMPONENTS:
POSITIONING: TRIMBLE BLUE DGPS
MOTION COMPENSATION: N/A
SONAR: ODOM CV-100
SOFTWARE: HYPACK 2015

4) TIDE GAGE USED WERE REFERENCED FROM A GAGE BOARD SET ON PILING NEAR THE MOUTH OF THE CLINTON RIVER ON THE EAST SIDE OF THE DNR DOCK, IN FRONT OF THE DNR FISHERIES BUILDING.
L.W.D. = 572.3

8.0' PROJECT DEPTH

0.0'
8.0'
9.0'
10.0'
>11.0'

8.0 ft PROJECT DEPTH CONTOUR

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

UNITED STATES ARMY CORPS OF ENGINEERS
DETROIT AREA OFFICE, DETROIT, MICHIGAN

CONDITION SURVEY
CLINTON RIVER, MI
CS 225+00W TO CS 284+00W

DRAWN BY: B.R.

CHECKED BY: C.V.L.

DATE OF SURVEY: 17 MAY 2017

100' 0' 100' 200'

SCALE 1" = 100'

SHEET 7 OF 10