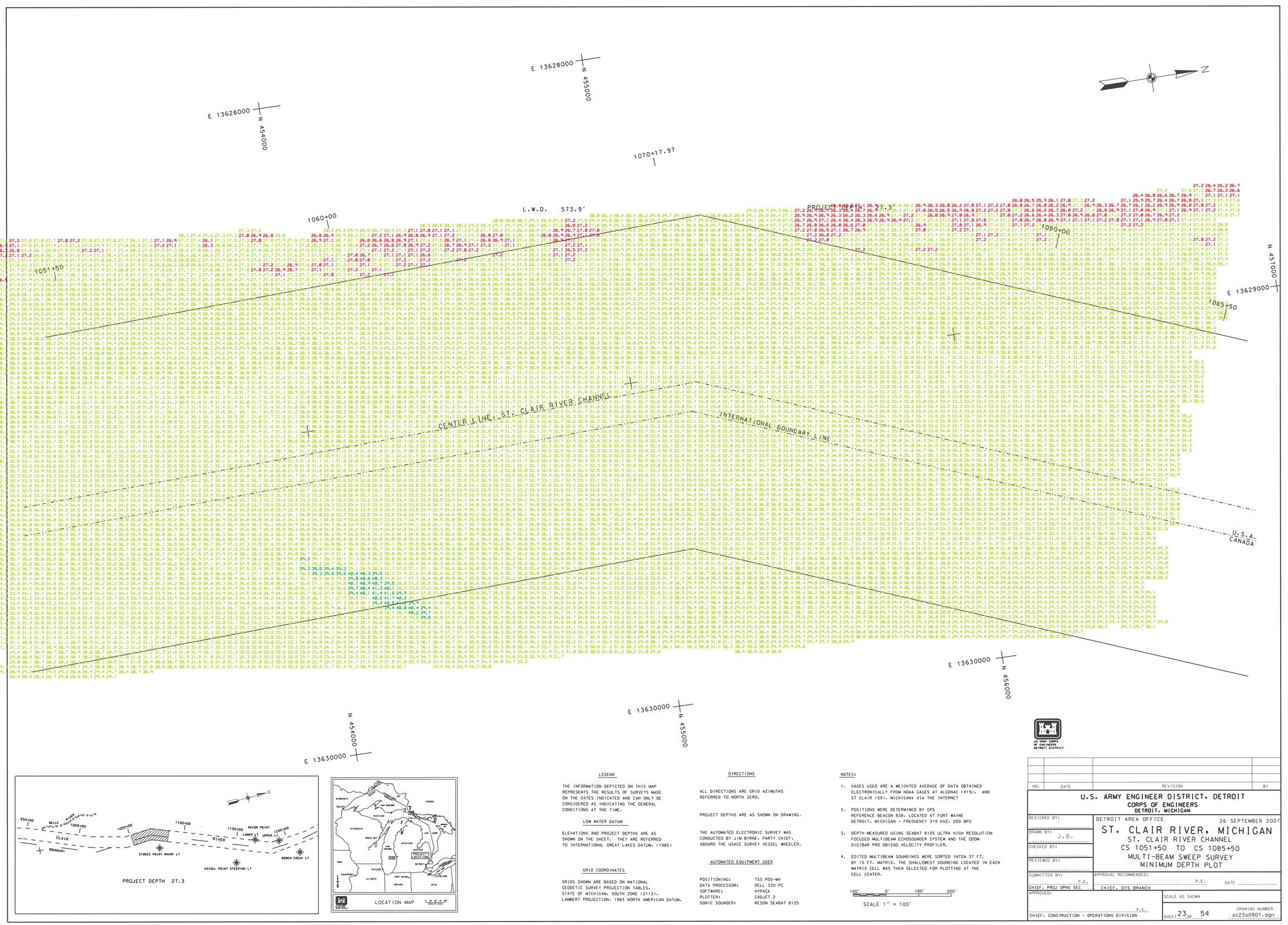

LOCATION MAP

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 AS SHOWN ON THE SHEET. THEY ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM. (1985)

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 ARE AS SHOWN ON DRAWING.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY JIM BYRNE, PARTY CHIEF. ABOARD THE USACE SURVEY VESSEL WHEELER.

AUTOMATED EQUIPMENT USED

POSITIONING:	TSS POS-MV
DATA PROCESSOR:	DELL 330 PC
SOFTWARE:	HYPACK
PLOTTER:	CADJET 2
SONIC SOUNDER:	RESON SEABAT 8125

NOTES:

1. GAGES USED ARE A WEIGHTED AVERAGE OF DATA OBTAINED ELECTRONICALLY FROM NOAA GAGES AT ALGONAC (41%), AND ST CLAIR (59). MICHIGAN1 VIA THE INTERNET
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838. LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS
3. DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHOSOUNDER SYSTEM AND THE ODOM DIGIBAR PRO DB1200 VELOCITY PROFILER.
4. EDITED MULTIBEAM SOUNDINGS WERE SORTED INTOA 37 FT. BY 15 FT. MATRIX. THE SHALLOWEST SOUNDING LOCATED IN EACH MATRIX CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.

100' 0' 100' 200'

SCALE 1" = 100'

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

NO.	DATE	REVISION	BY

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

DESIGNED BY:
DRAWN BY: J.B.
CHECKED BY:
REVIEWED BY:
SUBMITTED BY: P.E.
CHIEF, PROJ OPNS SEC

DETROIT AREA OFFICE — 26 SEPTEMBER 2007

ST. CLAIR RIVER, MICHIGAN
ST. CLAIR RIVER CHANNEL
CS 1051+50 TO CS 1085+50
MULTI-BEAM SWEEP SURVEY
MINIMUM DEPTH PLOT

APPROVAL RECOMMENDED:
P.E. DATE
CHIEF, OTS BRANCH

APPROVED:
P.E.
CHIEF, CONSTRUCTION - OPERATIONS DIVISION

SCALE AS SHOWN

SHEET 23 OF 54

DRAWING NUMBER sc2350907.dgn