



PROJECT DEPTH 27.4

L.W.D. 576.0'

LEGEND

- ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZONE.
- PROJECT DEPTHS ARE AS SHOWN ON DRAWING.
- ELEVATIONS AND PROJECT DEPTHS ARE AS SHOWN ON THE SHEET. THEY ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM, (1985).
- THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FRED LEACH, PARTY MEMBER, ABOARD THE USACE SURVEY VESSEL WHEELER.

GRID COORDINATES

GRIDS SHOW ARE BASED ON NATIONAL GEODESIC SURVEY PROJECTION TABLES. STATE OF MICHIGAN, SOUTH ZONE (12113). LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

POSITIONING: IGS POS-WW
DATA PROCESSOR: DELL 330 PC
SOFTWARE: HYPACK
PLOTTER: CADJET
SONIC SOUNDING: RESON SEABAT 8125

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZONE.

NOTES:

- GAGES USED WERE OBTAINED ELECTRICALLY FROM NMDA GAGES AT DRY DOCK(83X) AND BLACK RIVER(175X), MICHIGAN, VIA THE INTERNET.
- POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 83X, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS
- DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHOSOUNDER SYSTEM.

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

DESIGNED BY: DETROIT AREA OFFICE 20 OCTOBER 2004
DRAWN BY: J.B.
CHECKED BY:
REVIEWED BY:
SUBMITTED BY:
APPROVAL RECOMMENDED: P.E. DATE: _____
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P.E. DATE: _____

SCALE AS SHOWN
DRAWING NUMBER: SC47S1004.dgn
SHEET 47 OF 54