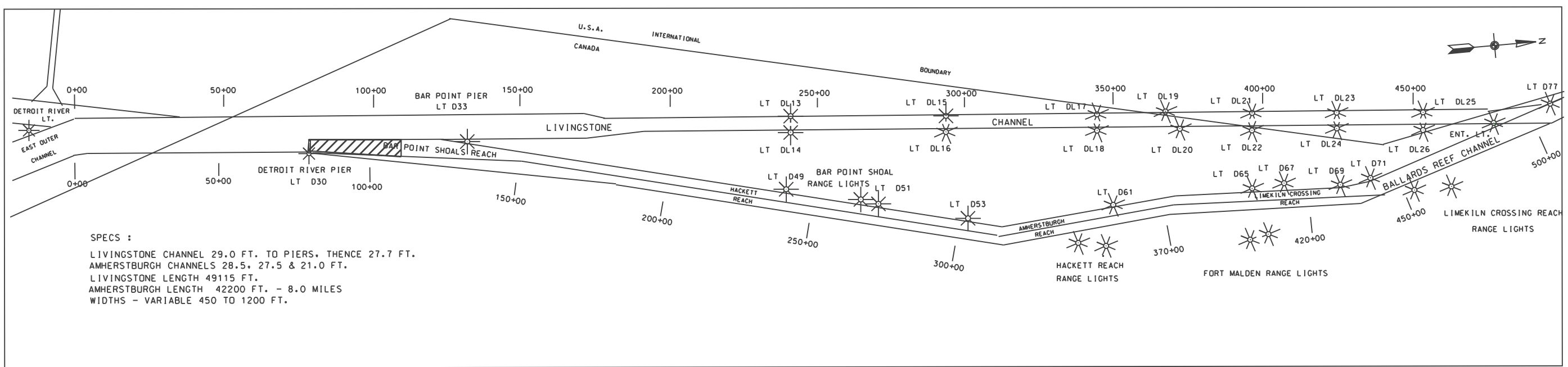


DETROIT RIVER PIER LIGHT 300

L.W.D. 569.2'

FLOW ←



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 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.

ALL COORDINATES ARE IN U.S. SURVEY FEET.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS SHOWN ON DRAWING. ALL DEPTHS ARE IN U.S. SURVEY FEET.

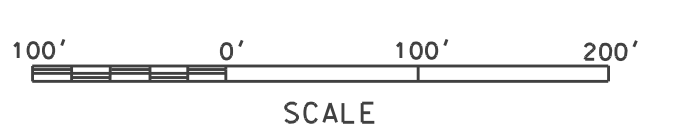
THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY ROBERT W. POLAK AND JAMES P. BYRNE, ABOARD THE USACOE SURVEY VESSEL "WHEELER".

AUTOMATED EQUIPMENT USED

POSITIONING: TSS POS-MV
 SOFTWARE: HYPACK HYSWEEP
 SONIC SOUNDER: RESON SEABAT 8125

NOTES:

- GAUGES USED WERE OBTAINED BY AVERAGING DATA FROM NOAA GAUGES AT FERMI POWER PLANT (5063090) AND GIBRALTER IS. (5044020). DATA WAS OBTAINED ELECTRONICALLY VIA THE INTERNET.
- POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS
- DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTI-BEAM ECHOSOUNDER SYSTEM AND THE DOOM DIGIBAR PRO D81200 VELOCITY PROFILER
- EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 37 FT. BY 15 FT. MATRIX. THE LARGEST STRIKE LOCATED IN EACH MATRIX CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.



1.	23 JUNE 2008	UPDATED NOTES	RWP
2.	23 JUNE 2008	PLACED SOUNDINGS	RWP
NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	DETROIT AREA OFFICE		30 JUNE 2008
DRAWN BY:	RWP		
CHECKED BY:	RWP		
REVIEWED BY:	RWP		
SUBMITTED BY:	P.E.		
APPROVED:	P.E.		
CHIEF, CONSTRUCTION - OPERATIONS DIVISION		CHIEF, OPERATIONS MAINT. BRANCH	
SCALE AS SHOWN		DRAWING NUMBER	
SHEET 1 OF 10		qc150608.dgn	