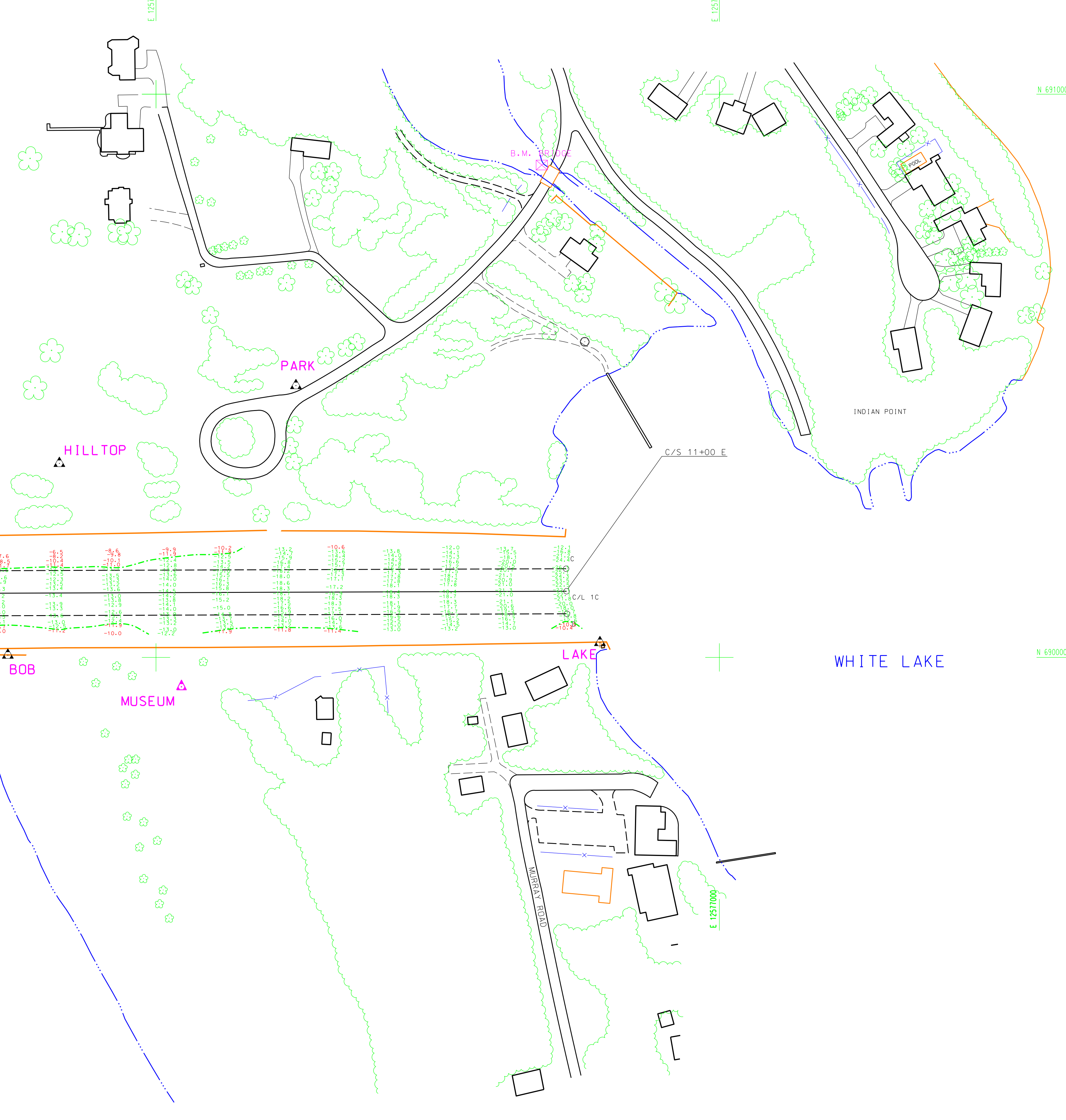
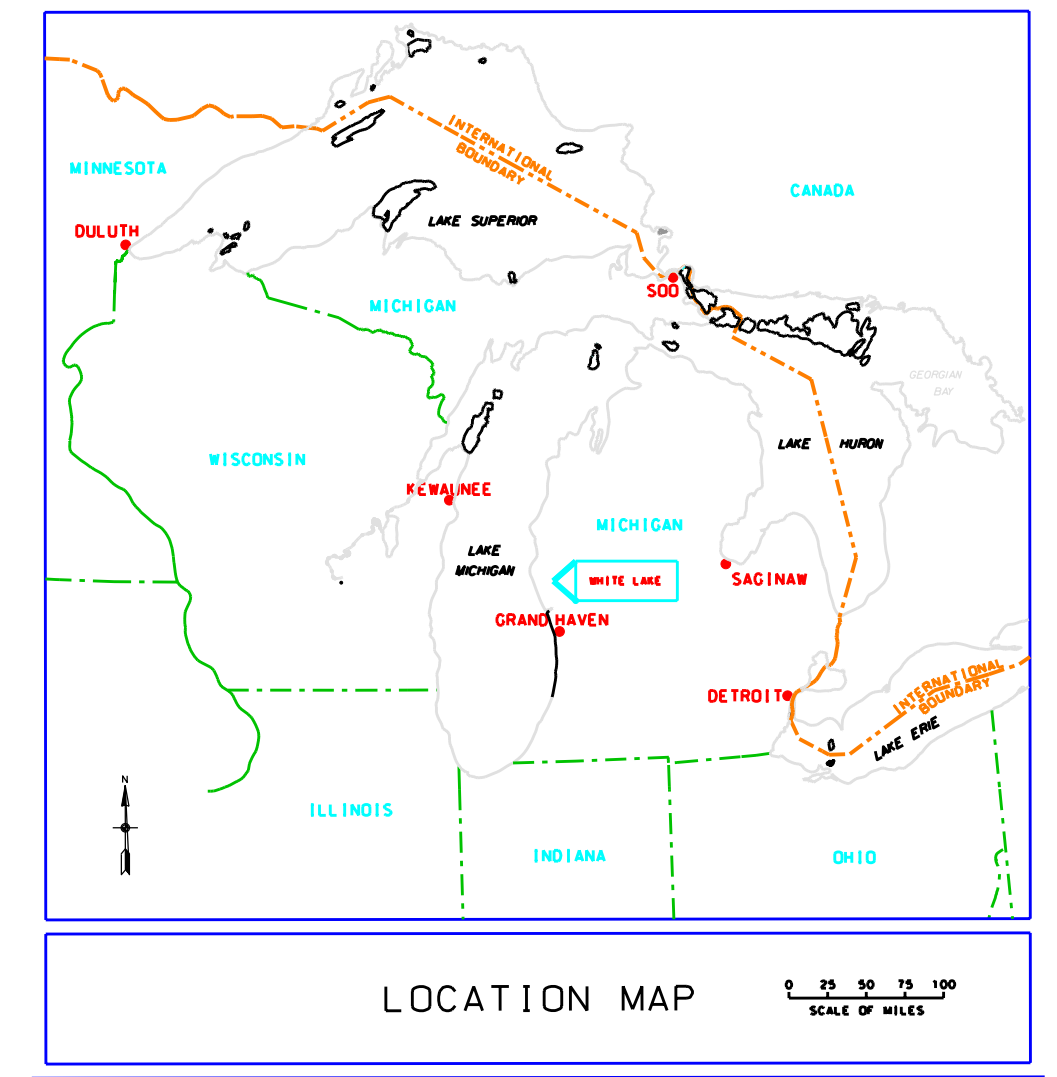


GRID NORTH
PAGE NORTH
1" = 24' = 06"
GRID SCALE FACTOR: 0.999919629
COMBINED GRID DIST. DIVIDED BY
GRID SCALE FACTOR = GROUND DIST.



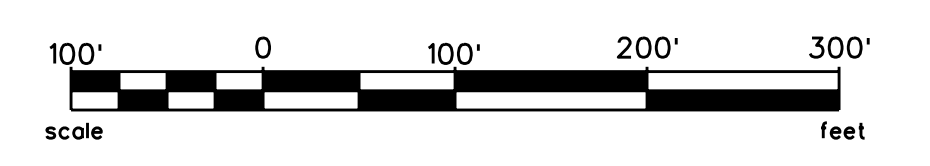
CHAN T.P.	EAST X	NORTH Y
A	12.574.227.07	690.608.27
B	12.575.024.24	690.151.65
C	12.576.727.98	690.157.46
D	12.576.729.51	690.077.48
E	12.574.819.78	690.070.96
F	12.574.230.08	689.727.81

CENT. T.P.	EAST X	NORTH Y
C/L 2F	12.574.228.78	690.108.94
C/L 1F	12.574.821.30	690.110.96
C/L 0	12.575.628.76	690.113.72
C/L 1C	12.576.728.75	690.117.48

MAINTENANCE DEPTH 12 FT.
CHANNEL LIMITS SHOWN THUS: ---
12 FT. CONTOUR SHOWN THUS: ---

SURVEYED ON: 22 AUGUST 2011
POSITIONING SYSTEM: DGPS USING C. G. BEACON CORRECTIONS
VESSEL: LAUNCH 3033

ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.
GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (2113), 1983 NORTH AMERICAN DATUM, U.S. FOOT.
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 EXISTING AT THAT TIME.



DATE OF PHOTOGRAPHY
25 SEPTEMBER 1996

NO.		DATE		REVISION		BY	
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN							
DRAWN BY				WHITE LAKE HARBOR MICHIGAN CONDITION OF CHANNEL AUGUST 2011 GRAND HAVEN AREA OFFICE			
DESIGNED BY							
CHECKED BY							
REVIEWED BY							
SUBMITTED:				APPROVAL RECOMMENDED:			
CHIEF, PROJ. OPNS. SECTION				CHIEF, OTS BRANCH			
APPROVED				DATE			
P.E.				SCALE 1" = 100'			
CHIEF, CONST. OPNS. DIVISION				CADD FILENAME: WLADRT1.DGN DRAWING NUMBER			
				SHEET 1 OF 1			