



COORDINATE TABLE

STA.	DESCRIPTION	NORTHING	EASTING
DORROCHER	ALUM. CAP.	895479.33	25841747.91
Z053	ALUM. CAP.	895113.400	25842774.681
STONE	BRASS DISK	897754.02	25841026.73
CLARK	ALUM. CAP.	895498.647	25842266.255
LUTHOSE	NAVIG. AD.	898036.602	25841543.757
RED LT-70	NAVIG. AD.	897799.646	25841126.722
ANT TOWER	NAVIG. AD.	895356.168	25842966.229
POINT 1	E. CHANNEL LINE	898428.6	25841673.1
POINT 3	E. CHANNEL LINE	898884.8	25841543.2
POINT 5	E. CHANNEL LINE	898865.9	25841026.8
POINT 7	E. CHANNEL LINE	897862.6	25842826.8
POINT 9	E. CHANNEL LINE	896476.3	25842493.6
POINT 11	E. CHANNEL LINE	896246.4	25842631.2
POINT A	CENTER LINE	898863.7	25840444.7
POINT B	CENTER LINE	895126.5	25842452.2
POINT 2	W. CHANNEL LINE	898622.6	25840504.2
POINT 4	W. CHANNEL LINE	897866.6	25840986.7
POINT 6	W. CHANNEL LINE	897966.4	25841825.7
POINT 8	W. CHANNEL LINE	897957.7	25841026.3
POINT 10	W. CHANNEL LINE	897631.1	25841122.3
POINT 12	W. CHANNEL LINE	895136.0	25841182.6
POINT 14	W. CHANNEL LINE	895116.0	25842631.2
POINT 16	W. CHANNEL LINE	895822.4	25843000.2

U.S. SURVEY FOOT (USED)
 GRID SCALE FACTOR = 1.00001566
 GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

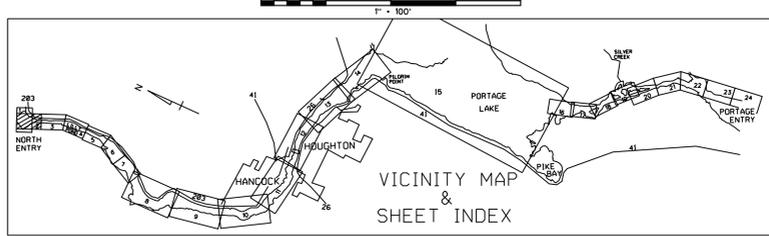


NOTES

- 1) 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 PRESENT AT THAT TIME.
- 2) ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 601.1 ABOVE MEAN SEA LEVEL, I.G.L.D. 1985.
- 3) PROJECT DEPTHS FOR THIS AREA ARE 32-30 & 28 FT.
- 4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD 83), US FOOT.
- 5) THE LOCATION OF NAVIGATION BUOYS REPRESENTS THE GENERAL LOCATION ON THE DATE OF THE SURVEY AND CANNOT BE CONSIDERED FOR NAVIGATION.
- 6) THE SURVEY SHOWN WAS CONDUCTED BY D. GOLTZ, PARTY CHIEF DURING 12 SEPT. 2006, USING D.G.P.S. POSITIONING, AN INWERSPACE 449 SOUNDER, AND A HYDRACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

LEGEND

- HORIZONTAL CONTROL POINT G.P.S.
- HORIZONTAL CONTROL POINT
- DREDGING LIMIT TURNING POINT
- CENTER LINE 00-00
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR
- CENTER LINE CONTOURS



NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	KEWEENAW - WATERWAY MICHIGAN		
DRAWN BY:	CONDITION SURVEY - SEPTEMBER 2006		
CHECKED BY:	DULUTH AREA OFFICE DULUTH, MN		
REVIEWED BY:	APPROVAL RECOMMENDED:		
SUBMITTED BY:	P.E.	DATE	
CHIEF, PROJ., OPS., SEC.	CHIEF, DTS BRANCH		
APPROVED:	P.E.	DATE	
DATE: "CONST.-OPNS" DTWN:	CADD FILE NAME: #W02C06.DGN	DRAWING NUMBER	
SCALE AS SHOWN 1" = 100'		SHEET 1 OF 1	
DRAWN BY: #W02C06.DGN		DRAWING NUMBER	

DATE OF PHOTOGRAPHY
 20 AUGUST 1991 12:29 P.M.

THIS PLAN ACCOMPANIES CONTRACT NO. _____
 MODIFICATION NO. _____

INVITATION NO. DACW.

KW 7570/02-47