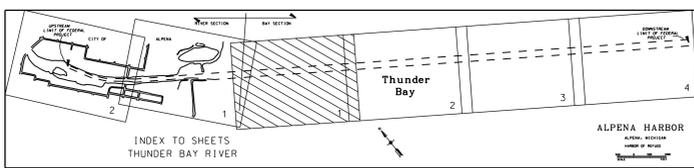
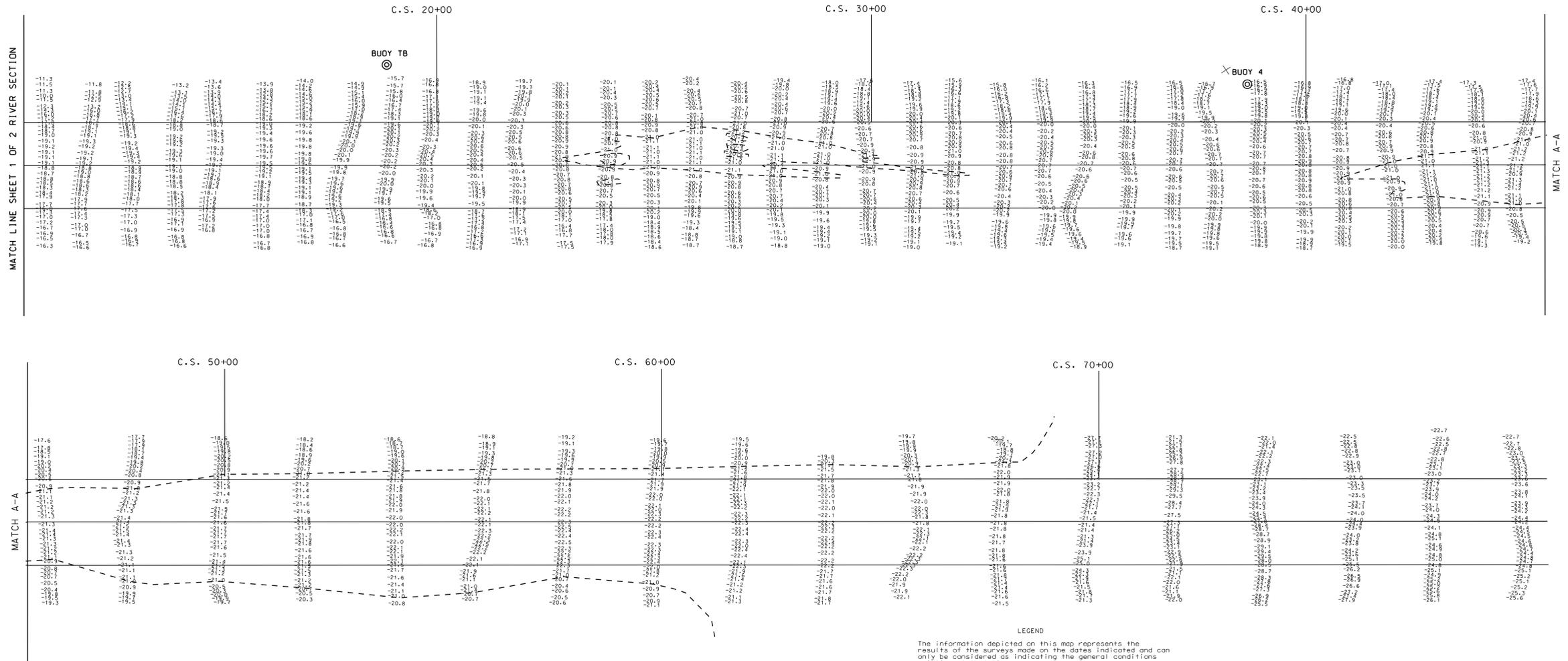




GRID SCALE FACTOR = 0.999915  
 GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

THUNDER BAY



**LEGEND**

The information depicted on this map represents the results of the surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

**LOW WATER DATUM**

All depths and project depths are referred to Low Water Datum elevation 577.5 Ft. above Mean Water Level, I.G.L.D. 1985.

**GRID COORDINATES**

Grids shown are based on the National Geodetic Survey Projection Tables, State of Michigan, Central Zone (2112), Lambert Projection, 1983 North American Datum, US SURVEY FOOT.

**Navigation Buoys**

Location of navigation buoys represents that general location on the date of the survey and cannot be considered for navigation.

**Project Information**

Project Depth - As Noted

21.0 Ft. contour shown thus

**Survey Information**

Survey by R. DELESTOWICZ  
 Date of Survey 17 JUNE, 2004  
 Position system Starlink DGPS via Coast Guard System  
 Inner space 448  
 Sonic sounder 208 KHZ with 8.0 degree beam angle  
 Transducer

NO.	DATE	REVISION	BY
<b>U.S. ARMY ENGINEER DISTRICT, DETROIT</b> CORPS OF ENGINEERS DETROIT, MICHIGAN			
DRAWN BY R. DELESTOWICZ		<b>ALPENA HARBOR, MI.</b> BAY SECTION	
DESIGNED BY			
CHECKED BY		<b>CONDITION</b> <b>JUNE, 2004</b>	
REVIEWED:		SAGINAW FIELD OFFICE	
SUBMITTED:		APPROVAL RECOMMENDED:	
APPROVED		DATE	
PE		SCALE 1" = 100'	
CHIEF, CONST-OPNS DIVISION		DRAWING NUMBER	
		ALB0204C.DGN	
		SHEET 2 OF 3	