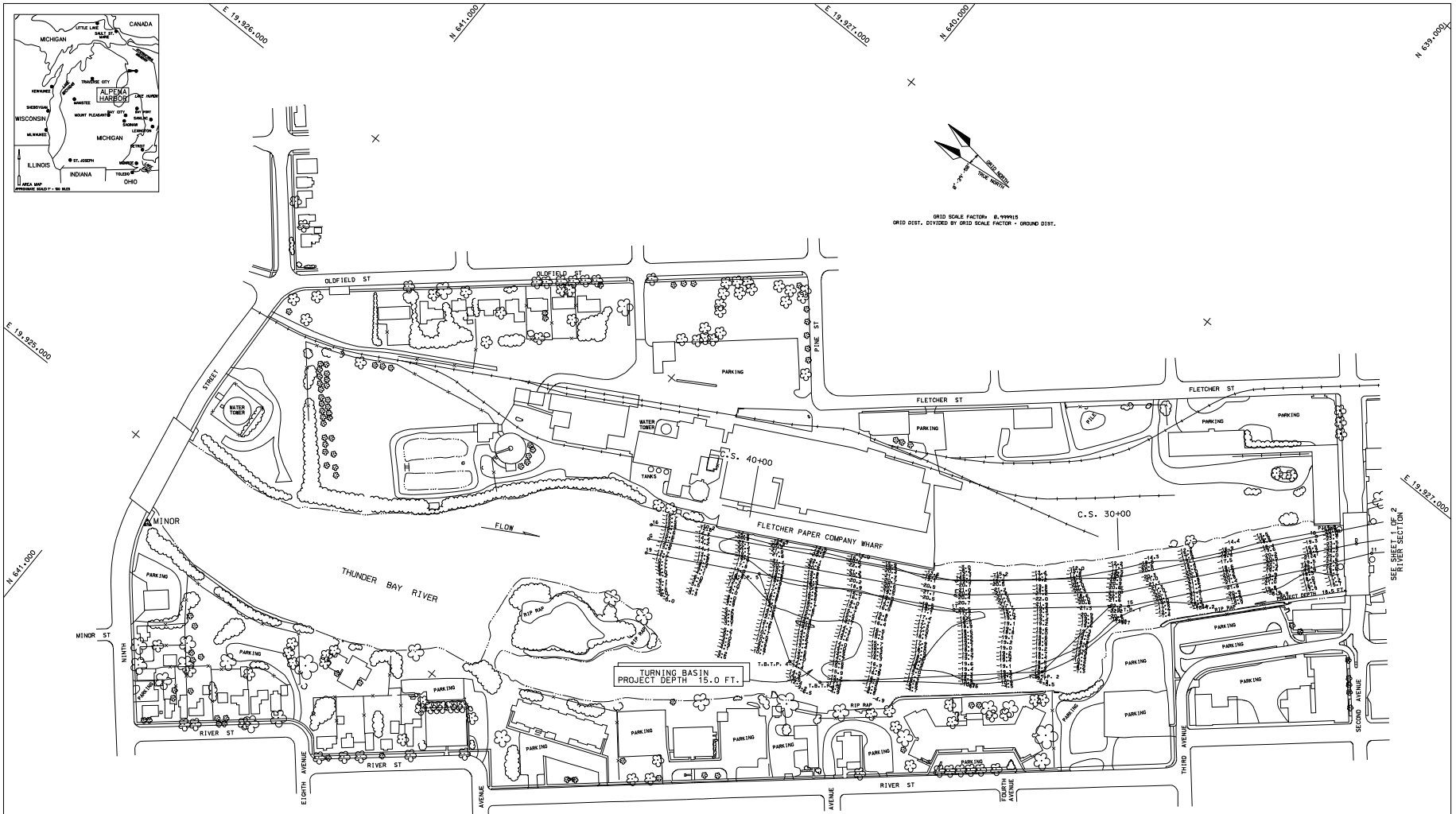

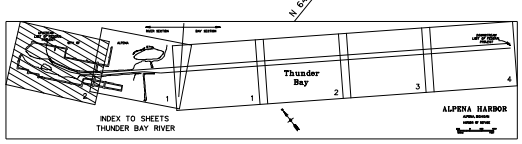

CENTERLINE (CORPSCON)		
STATION NUMBER	COORDINATES EAST	NORTH
E	19,926,307.05	638,727.74
F	19,926,025.17	639,062.31
G	19,925,633.97	639,780.92

HORIZONTAL GROUND CONTROL		
STATION NUMBER	COORDINATES EAST	NORTH
MINOR	19,924,837.86	640,829.31

TURNING BASIN TURNING POINTS		
T.B.T.P. NUMBER	COORDINATES EAST	NORTH
1	19,926,,257.50	638,728.39
2	19,926,012.54	638,758.58
3	19,925,624.36	639,194.47
4	19,925,616.17	639,290.20
5	19,925,745.47	639,497.72

CHANNEL LINE (CORPSCON ADJUSTED)		
STATION NUMBER	COORDINATES EAST	NORTH
10	19,926,742.32	638,422.62
12	19,926,324.70	638,765.00
13	19,926,655.26	638,390.55
14	19,926,056.29	639,083.57
15	19,926,289.41	638,690.48
16	19,925,666.91	639,798.85
17	19,925,994.05	639,041.04
19	19,925,601.03	639,762.99

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

15.0 Ft. contour shown thus
18.5 Ft. contour shown thus

Survey Information

Survey by R. DELESTOWICZ
Date of survey 29, 30 OCTOBER, 2002

Position system Sterlink DGPS via Coast Guard System
Sonic sounder Innerspace 448
Transducer 208 KHz with 3.0 degree beam angle

NO.	DATE	REVISION	BY

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

DRAWN BY R. DELESTOWICZ
DESIGNED BY
CHECKED BY
REVIEWED
SUBMITTED
APPROVAL RECOMMENDED
CHIEF, PROJ OPER SEC. CHIEF, OPER & MAINT BR.
APPROVED
PE
CHIEF, CONST-OPNS DIVISION

ALPENA HARBOR, MI
RIVER SECTION
CONDITION OCTOBER, 2002
SAGINAW FIELD OFFICE

DATE
SCALE 1" = 100'
DRAWING NUMBER
SHEET 2 OF 2

DATE OF PHOTOGRAPHY
14 APRIL 1994