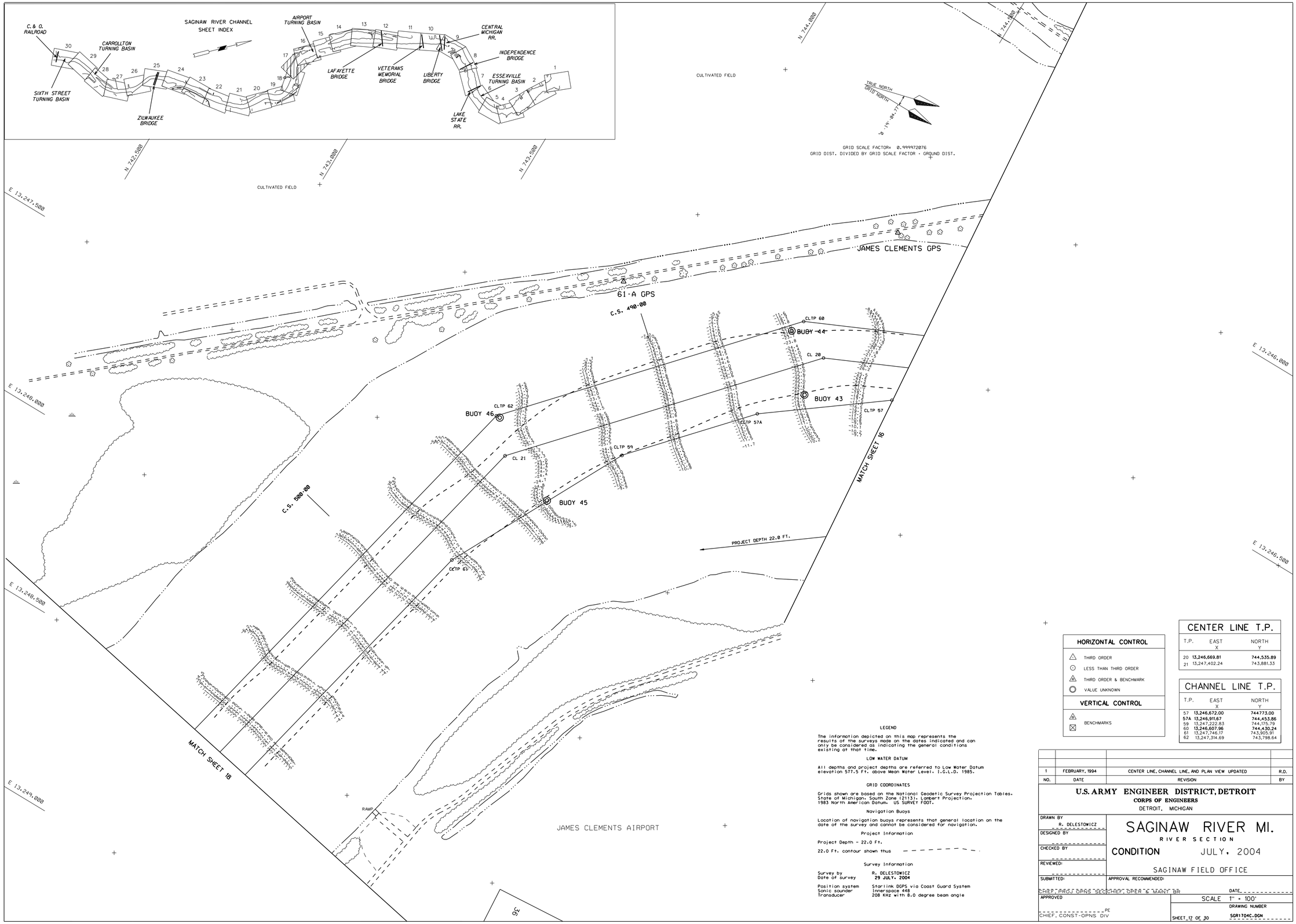


## HORIZONTAL CONTROL

- THIRD ORDER
- LESS THAN THIRD ORDER
- THIRD ORDER & BENCHMARK
- VALUE UNKNOWN

## VERTICAL CONTROL

- BENCHMARKS

## CENTER LINE T.P.

| T.P. | EAST X | NORTH Y |
|---|---|---|
| 20 | 13,246,669.81 | 744,535.89 |
| 21 | 13,247,402.24 | 743,881.33 |

## CHANNEL LINE T.P.

| T.P. | EAST X | NORTH Y |
|---|---|---|
| 57 | 13,246,672.00 | 744773.00 |
| 57A | 13,246,911.67 | 744,453.86 |
| 59 | 13,247,222.83 | 744,175.79 |
| 60 | 13,246,607.96 | 744,430.24 |
| 61 | 13,247,746.17 | 743,905.91 |
| 62 | 13,247,314.69 | 743,798.64 |

## 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, South Zone (2113), 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 - 22.0 Ft.

22.0 Ft. contour shown thus — — — — — — — — .

### Survey Information

| | |
|---|---|
| Survey by | R. DELESTOWICZ |
| Date of survey | 29 JULY, 2004 |
| Position system | Starlink DGPS via Coast Guard System |
| Sonic sounder | Innerspace 448 |
| Transducer | 208 KHz with 8.0 degree beam angle |

| NO. | DATE | REVISION | BY |
|---|---|---|---|
| 1 | FEBRUARY, 1994 | CENTER LINE, CHANNEL LINE, AND PLAN VIEW UPDATED | R.D. |

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

# SAGINAW RIVER MI.
RIVER SECTION

CONDITION JULY, 2004

SAGINAW FIELD OFFICE

DRAWN BY R. DELESTOWICZ
DESIGNED BY
CHECKED BY
REVIEWED:
SUBMITTED:
APPROVAL RECOMMENDED:
CHIEF, PROJ OPNS SEC CHIEF, OPER & MAINT BR
DATE
APPROVED
PE
CHIEF, CONST-OPNS DIV
SCALE 1" = 100'
DRAWING NUMBER SGR1704C.DGN
SHEET 17 OF 30

DATE OF PHOTOGRAPHY
19 JULY 1992

THIS PLAN ACCOMPANIES CONTRACT NO.
MODIFICATION NO.

INVITATION NO.