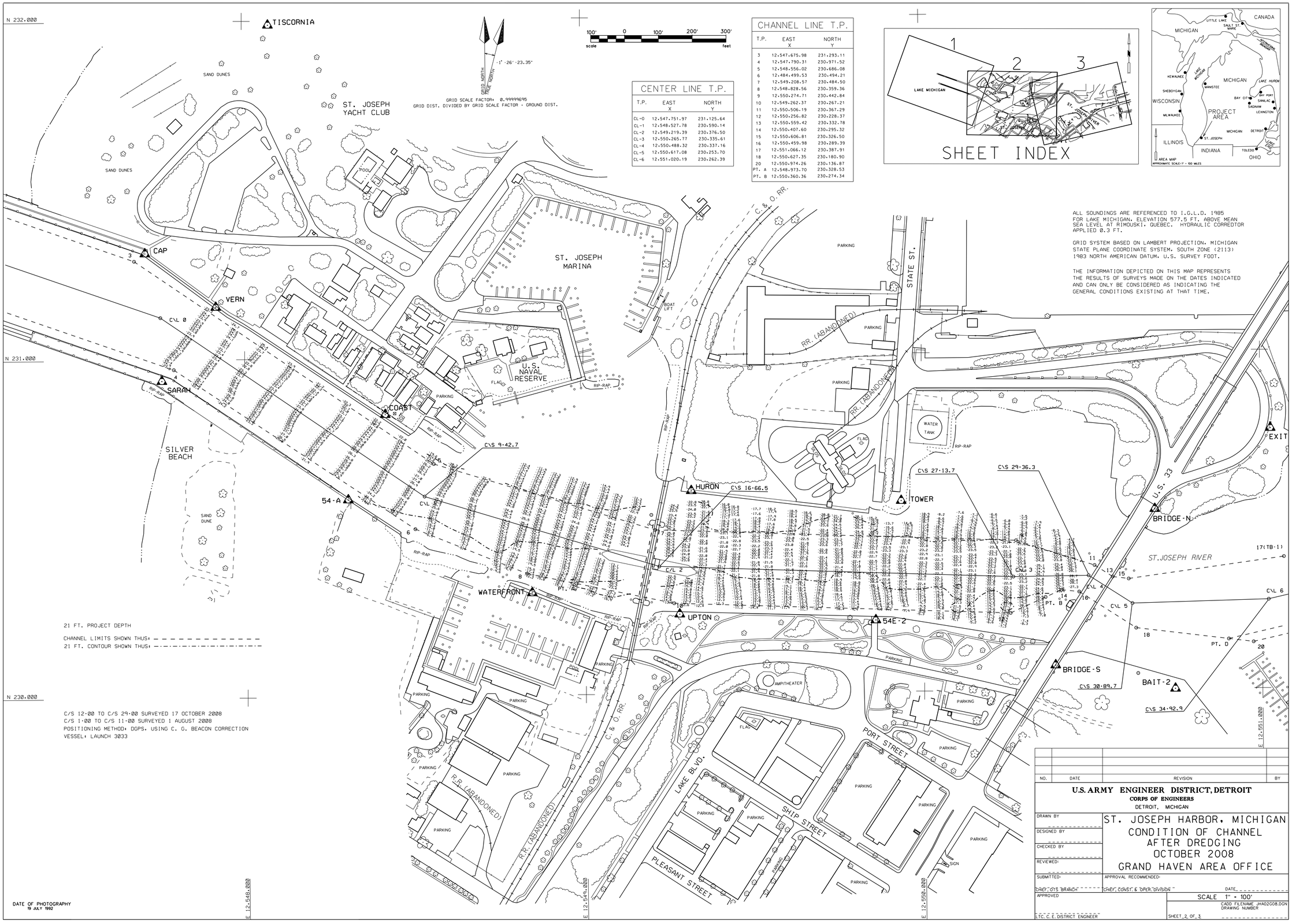


## CHANNEL LINE T.P.

| T.P. | EAST X | NORTH Y |
|---|---|---|
| 3 | 12.547.675.98 | 231.293.11 |
| 4 | 12.547.790.31 | 230.971.52 |
| 5 | 12.548.556.02 | 230.686.08 |
| 6 | 12.484.499.53 | 230.494.21 |
| 7 | 12.549.208.57 | 230.484.50 |
| 8 | 12.548.828.56 | 230.359.36 |
| 9 | 12.550.274.71 | 230.442.84 |
| 10 | 12.549.262.37 | 230.267.21 |
| 11 | 12.550.506.19 | 230.367.29 |
| 12 | 12.550.256.82 | 230.228.37 |
| 13 | 12.550.559.42 | 230.332.78 |
| 14 | 12.550.407.60 | 230.295.32 |
| 15 | 12.550.606.81 | 230.326.50 |
| 16 | 12.550.459.98 | 230.289.39 |
| 17 | 12.551.066.12 | 230.387.91 |
| 18 | 12.550.627.35 | 230.180.90 |
| 20 | 12.550.974.26 | 230.136.87 |
| PT. A | 12.548.973.70 | 230.328.53 |
| PT. B | 12.550.360.36 | 230.274.34 |

## CENTER LINE T.P.

| T.P. | EAST X | NORTH Y |
|---|---|---|
| CL-0 | 12.547.751.97 | 231.125.64 |
| CL-1 | 12.548.527.78 | 230.590.14 |
| CL-2 | 12.549.219.39 | 230.376.50 |
| CL-3 | 12.550.265.77 | 230.335.61 |
| CL-4 | 12.550.488.32 | 230.337.16 |
| CL-5 | 12.550.617.08 | 230.253.70 |
| CL-6 | 12.551.020.19 | 230.262.39 |

| NO. | DATE | REVISION | BY |
|---|---|---|---|
| | | | |

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

# ST. JOSEPH HARBOR, MICHIGAN
## CONDITION OF CHANNEL AFTER DREDGING OCTOBER 2008
## GRAND HAVEN AREA OFFICE

DRAWN BY
DESIGNED BY
CHECKED BY
REVIEWED:
SUBMITTED:
CHIEF, OYS BRANCH
APPROVED
LTC, C.E. DISTRICT ENGINEER

APPROVAL RECOMMENDED:
CHIEF, CONST. & OPER. DIVISION
DATE

SCALE 1" = 100'
CADD FILENAME JHA02C08.DGN
DRAWING NUMBER
SHEET 2 OF 3