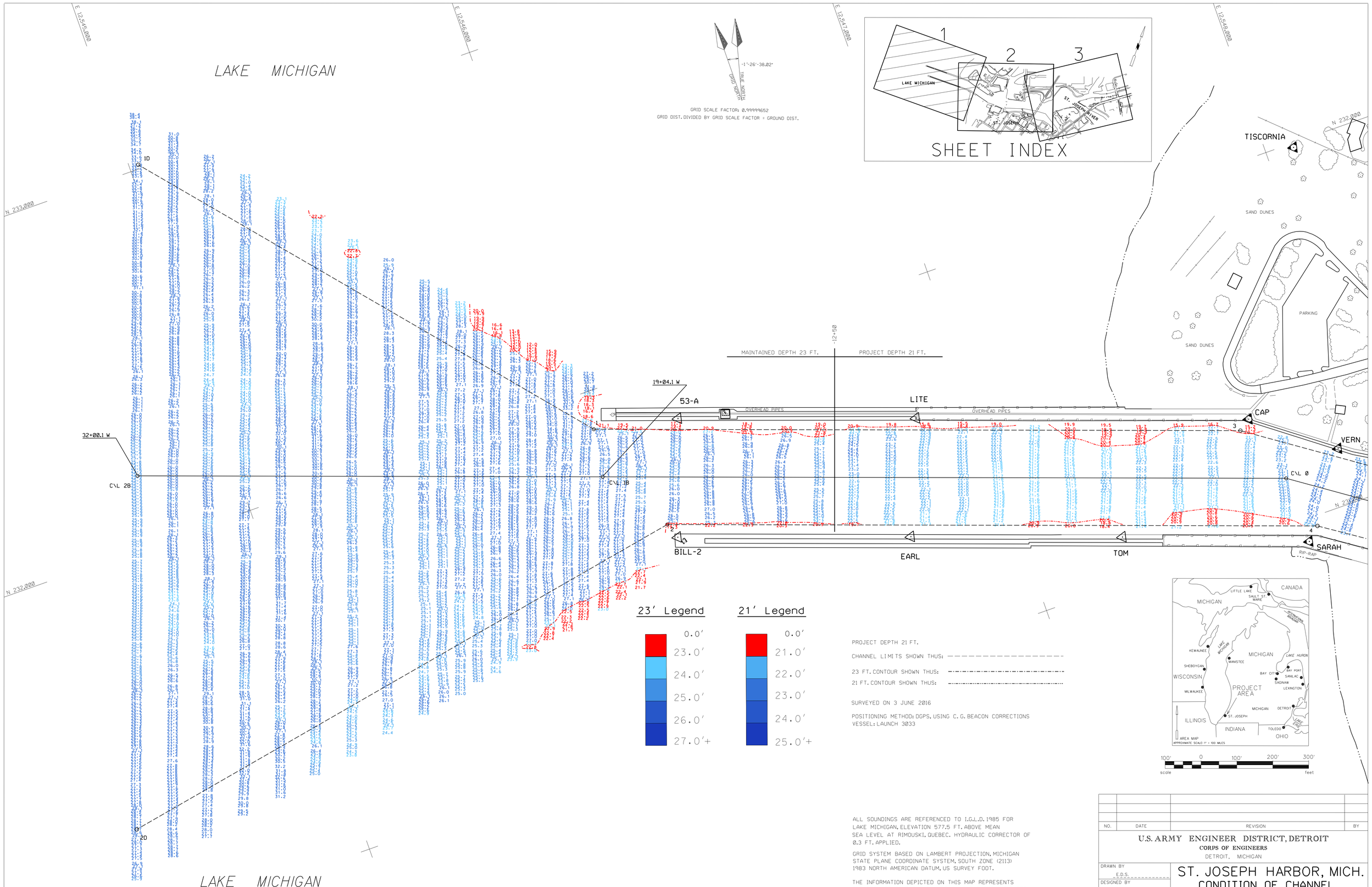

PROJECT DEPTH 21 FT.

CHANNEL LIMITS SHOWN THUS: -

23 FT. CONTOUR SHOWN THUS: -

21 FT. CONTOUR SHOWN THUS: -

SURVEYED ON 3 JUNE 2016

POSITIONING METHOD: DGPS, USING C. G. BEACON CORRECTIONS
VESSEL: LAUNCH 3033

100' 0 100' 200' 300'
scale feet

ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC. HYDRAULIC CORRECTOR OF 0.3 FT. APPLIED.

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (2113) 1983 NORTH AMERICAN DATUM, US SURVEY FOOT.

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 EXISTING AT THAT TIME.

VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAUGE MARK ON A STEEL PILING IN THE COAST GUARD BASIN NEAR CROSS SECTION 10+00E IN ST. JOSEPH HARBOR, MI.

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
CL 2B	12,544,735.85	232,195.07
CL 1B	12,545,957.34	231,761.96
CL 0	12,547,751.97	231,125.64

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
1	12,545,978.05	231,895.20
2	12,546,082.80	231,576.90
3	12,547,675.98	231,293.11
4	12,547,790.31	230,971.52
1D	12,545,025.39	233,011.57
2D	12,544,406.85	231,267.05

NO.	DATE	REVISION	BY

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

DRAWN BY: E.D.S.
DESIGNED BY:
CHECKED BY:
REVIEWED:
SUBMITTED:
CHIEF, PROJ & OPERS SEC
APPROVED:
CHIEF, CONST OPERS DIVISION

ST. JOSEPH HARBOR, MICH.
CONDITION OF CHANNEL AFTER DREDGING
JUNE 2016
GRAND HAVEN AREA OFFICE

APPROVAL RECOMMENDED:
CHIEF, OTS BRANCH
DATE

SCALE 1" = 100'
CADD FILENAME: JHA01G16.DGN
DRAWING NUMBER
SHEET 1 OF 3