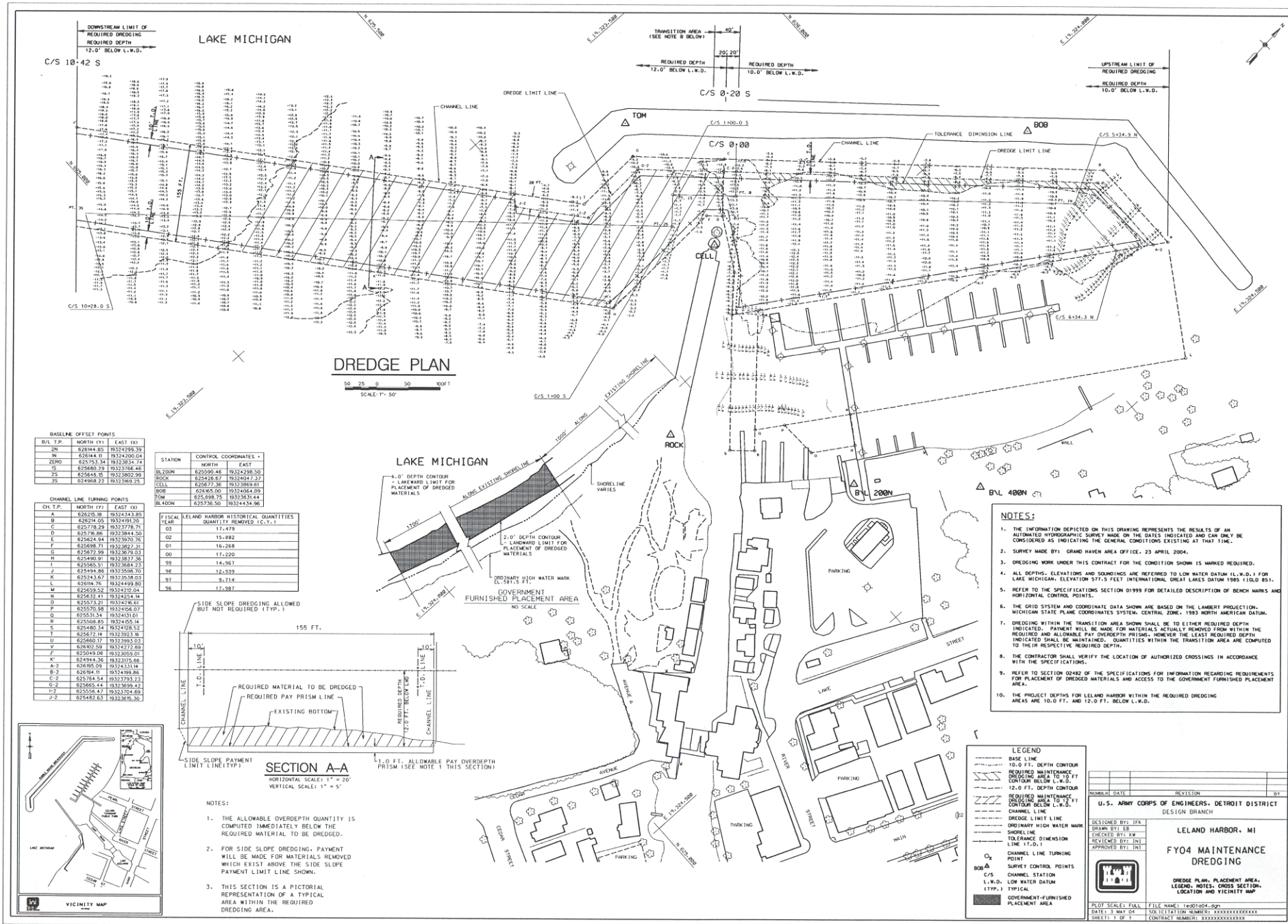

BASELINE OFFSET POINTS

B/L T.P.	NORTH (Y)	EAST (X)
2N	626144.85	19324299.39
1N	626144.11	19324200.04
ZERO	625753.34	19323834.74
1S	625680.29	19323766.46
2S	625646.15	19323802.99
3S	624968.22	19323169.25

CHANNEL LINE TURNING POINTS

CH. T.P.	NORTH (Y)	EAST (X)
A	626215.18	19324343.85
B	626214.05	19324191.20
C	625778.29	19323778.71
D	625716.86	19323844.50
E	625624.94	19323970.76
F	625698.71	19323827.31
G	625672.99	19323679.03
H	625490.91	19323837.36
I	625365.51	19323684.23
J	625494.86	19323508.70
K	625243.67	19323538.03
L	626114.76	19324499.80
M	625659.52	19324212.04
N	625632.41	19324234.14
O	625573.21	19324216.61
P	625570.98	19324156.07
Q	625531.34	19324131.01
R	625508.85	19324155.14
S	625480.34	19324128.52
T	625472.14	19323923.16
U	625660.17	19323993.03
V	626302.59	19324272.69
J'	625049.06	19323059.01
K'	624944.36	19323175.66
A-2	626195.09	19324313.14
B-2	626194.11	19324199.86
C-2	625764.54	19323793.23
G-2	625665.44	19323699.42
I-2	625556.47	19323704.69
J-2	625482.63	19323615.30

STATION	CONTROL COORDINATES * NORTH	EAST
BL200N	625590.46	19324298.50
ROCK	625426.67	19324047.37
CELL	625677.36	19323869.61
BOB	626165.00	19324064.09
TOM	625898.75	19323631.44
BL400N	625736.50	19324434.96

FISCAL YEAR	LELAND HARBOR HISTORICAL QUANTITIES QUANTITY REMOVED (C.Y.)
03	17,479
02	15,882
01	16,268
00	17,220
99	14,967
98	12,939
97	9,714
96	17,387

NOTES:

1. THE INFORMATION DEPICTED ON THIS DRAWING REPRESENTS THE RESULTS OF AN AUTOMATED HYDROGRAPHIC SURVEY MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
2. SURVEY MADE BY: GRAND HAVEN AREA OFFICE. 23 APRIL 2004.
3. DREDGING WORK UNDER THIS CONTRACT FOR THE CONDITION SHOWN IS MARKED REQUIRED.
4. ALL DEPTHS, ELEVATIONS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM (L.W.D.) FOR LAKE MICHIGAN. ELEVATION 577.5 FEET INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85).
5. REFER TO THE SPECIFICATIONS SECTION 01999 FOR DETAILED DESCRIPTION OF BENCH MARKS AND HORIZONTAL CONTROL POINTS.
6. THE GRID SYSTEM AND COORDINATE DATA SHOWN ARE BASED ON THE LAMBERT PROJECTION. MICHIGAN STATE PLANE COORDINATES SYSTEM. CENTRAL ZONE. 1983 NORTH AMERICAN DATUM.
7. DREDGING WITHIN THE TRANSITION AREA SHOWN SHALL BE TO EITHER REQUIRED DEPTH INDICATED. PAYMENT WILL BE MADE FOR MATERIALS ACTUALLY REMOVED FROM WITHIN THE REQUIRED AND ALLOWABLE PAY OVERDEPTH PRISMS. HOWEVER THE LEAST REQUIRED DEPTH INDICATED SHALL BE MAINTAINED. QUANTITIES WITHIN THE TRANSITION AREA ARE COMPUTED TO THEIR RESPECTIVE REQUIRED DEPTH.
8. THE CONTRACTOR SHALL VERIFY THE LOCATION OF AUTHORIZED CROSSINGS IN ACCORDANCE WITH THE SPECIFICATIONS.
9. REFER TO SECTION 02492 OF THE SPECIFICATIONS FOR INFORMATION REGARDING REQUIREMENTS FOR PLACEMENT OF DREDGED MATERIALS AND ACCESS TO THE GOVERNMENT FURNISHED PLACEMENT AREA.
10. THE PROJECT DEPTHS FOR LELAND HARBOR WITHIN THE REQUIRED DREDGING AREAS ARE 10.0 FT. AND 12.0 FT. BELOW L.W.D.

NOTES:

1. THE ALLOWABLE OVERDEPTH QUANTITY IS COMPUTED IMMEDIATELY BELOW THE REQUIRED MATERIAL TO BE DREDGED.
2. FOR SIDE SLOPE DREDGING, PAYMENT WILL BE MADE FOR MATERIALS REMOVED WHICH EXIST ABOVE THE SIDE SLOPE PAYMENT LIMIT LINE SHOWN.
3. THIS SECTION IS A PICTORIAL REPRESENTATION OF A TYPICAL AREA WITHIN THE REQUIRED DREDGING AREA.

LEGEND

- BASE LINE
- 10.0 FT. DEPTH CONTOUR
- REQUIRED MAINTENANCE DREDGING AREA TO 10 FT CONTOUR BELOW L.W.D.
- 12.0 FT. DEPTH CONTOUR
- REQUIRED MAINTENANCE DREDGING AREA TO 12 FT CONTOUR BELOW L.W.D.
- CHANNEL LINE
- DREDGE LIMIT LINE
- ORDINARY HIGH WATER MARK
- SHORELINE
- TOLERANCE DIMENSION LINE (T.D.)
- CHANNEL LINE TURNING POINT
- BOB SURVEY CONTROL POINTS
- C/S CHANNEL STATION
- L.W.D. LOW WATER DATUM
- (TYP.) TYPICAL
- GOVERNMENT-FURNISHED PLACEMENT AREA

NUMBER	DATE	REVISION	BY

U.S. ARMY CORPS OF ENGINEERS, DETROIT DISTRICT
DESIGN BRANCH

DESIGNED BY: JFK
DRAWN BY: EB
CHECKED BY: KW
REVIEWED BY: JNJ
APPROVED BY: JNJ

LELAND HARBOR, MI

FY04 MAINTENANCE DREDGING

DREDGE PLAN, PLACEMENT AREA, LEGEND, NOTES, CROSS SECTION, LOCATION AND VICINITY MAP

PLOT SCALE: FULL
FILE NAME: le001o04.dgn
DATE: 3 MAY 04
SOLICITATION NUMBER: XXXXXXXXXXXXXX
SHEET: 1 OF 1
CONTRACT NUMBER: XXXXXXXXXXXXXX

\civil\Dredge04\le001o04.dgn May 10, 2004 09:49:08