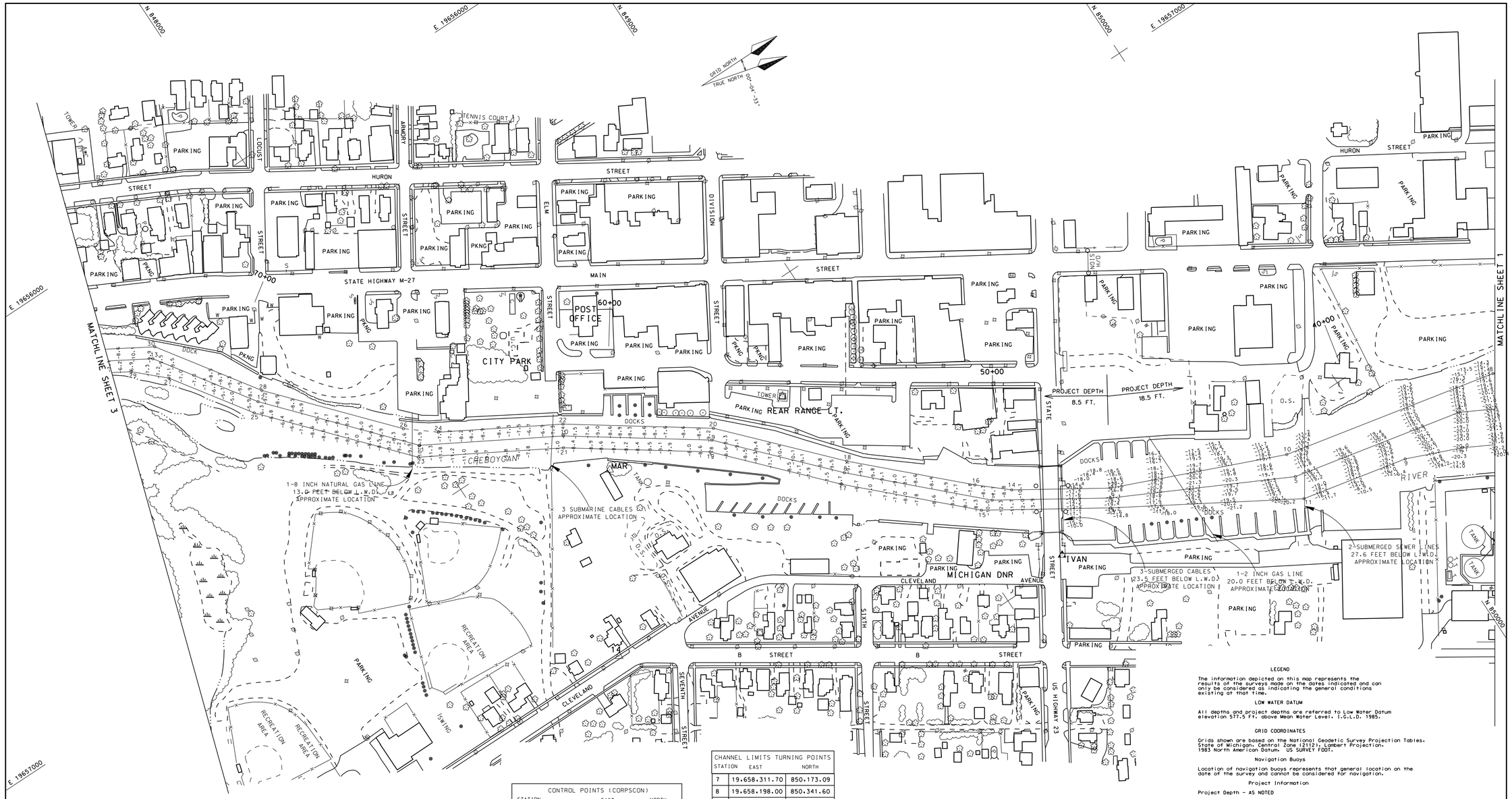
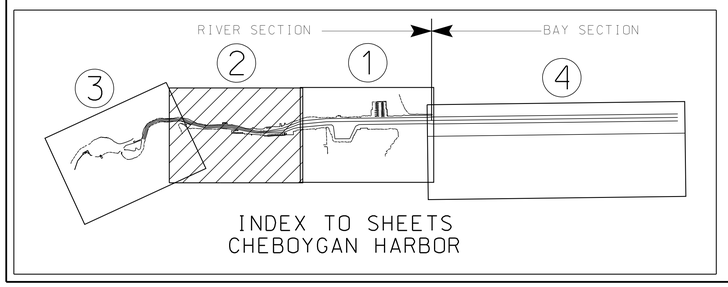


CONTROL POINTS (CORPSCON)		
STATION	EAST	NORTH
13	19.658.727.92	849.884.52
14	19.657.573.77	848.101.72
MAR	19.657.167.02	848.342.20
MICHELE	19.659.728.32	852.971.81
P/L COR. S.E.	19.658.995.73	851.858.55
P/L COR. S.W.	19.658.644.78	852.085.94
REAR RANGE LT.	19.657.252.84	848.809.95
RWTP 2	19.659.149.50	850.663.20

CENTERLINE TURNING POINTS			
STATION		EAST	NORTH
4	37+90.50	19.658.232.45	850.215.76
5	42+35.52	19.658.139.43	849.780.57
6	47+06.69	19.657.926.29	849.360.36
7	50+06.71	19.657.765.33	849.107.17
8	53+87.24	19.657.500.85	848.833.59
9	57+32.77	19.657.246.86	848.599.33
10	61+09.11	19.657.030.52	848.291.39
11	64+73.94	19.656.849.27	847.974.77
12	68+97.21	19.656.531.68	847.694.96
13	71+84.84	19.656.294.08	847.532.85

CHANNEL LIMITS TURNING POINTS		
STATION	EAST	NORTH
7	19.658.311.70	850.173.09
8	19.658.198.00	850.341.60
9	19.658.255.59	850.036.96
10	19.658.080.76	849.793.11
11	19.658.198.11	849.768.03
12	19.657.905.20	849.373.77
13	19.657.947.39	849.346.95
14	19.657.771.06	849.162.78
15	19.657.771.72	849.070.61
16	19.657.709.02	849.092.08
17	19.657.521.82	848.812.12
18	19.657.479.87	848.855.06
19	19.657.269.56	848.579.46
20	19.657.224.15	848.619.21
21	19.657.055.86	848.275.28
22	19.657.005.17	848.307.50
23	19.656.872.83	847.955.55
24	19.656.848.07	848.033.07
25	19.656.550.13	847.671.23
26	19.656.791.91	847.964.23
27	19.656.357.79	847.540.01
28	19.656.513.24	847.718.68
29	19.656.290.98	847.468.82
30	19.656.271.67	847.553.88

CONTROL POINTS (G.P.S.)		
STATION	EAST	NORTH
IVAN	19.657.978.97	849.178.31



INDEX TO SHEETS
CHEBOYGAN HARBOR

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

8.5 Ft. contour shown thus .....
18.5 Ft. contour shown thus — — — — — — —

Survey Information

Survey by R. DELESTOWICZ
Date of Survey 18.5 FT Project area = 21 September. 2004 8.0 FT Project area = 29 May. 2003

Position system Ashtech Z-12 & MRB-2a DGPS via Coast Guard System
Sonic sounder Innerspace 448
Transducer 208 KHz with 8.0 degree beam angle

NO.	DATE	REVISION	BY

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

DESIGNED BY:
DRAWN BY: R. DELESTOWICZ
CHECKED BY:
REVIEWED BY:
SUBMITTED BY: CHIEF. PROJ OPNS SEC
APPROVAL RECOMMENDED: CHIEF. OPERATIONS & MAINTENANCE BR DATE
APPROVED: CHIEF. CONSTRUCTION-OPERATIONS DIVISION

CHEBOYGAN HARBOR. MI.

RIVER SECTION

CONDITION SEPTEMBER. 2004

SAGINAW FIELD OFFICE

SCALE: 1 INCH = 100 FT.
CADD FILE NAME
DRAWING NUMBER CHR0204C.DGN
SHEET 2 OF 4