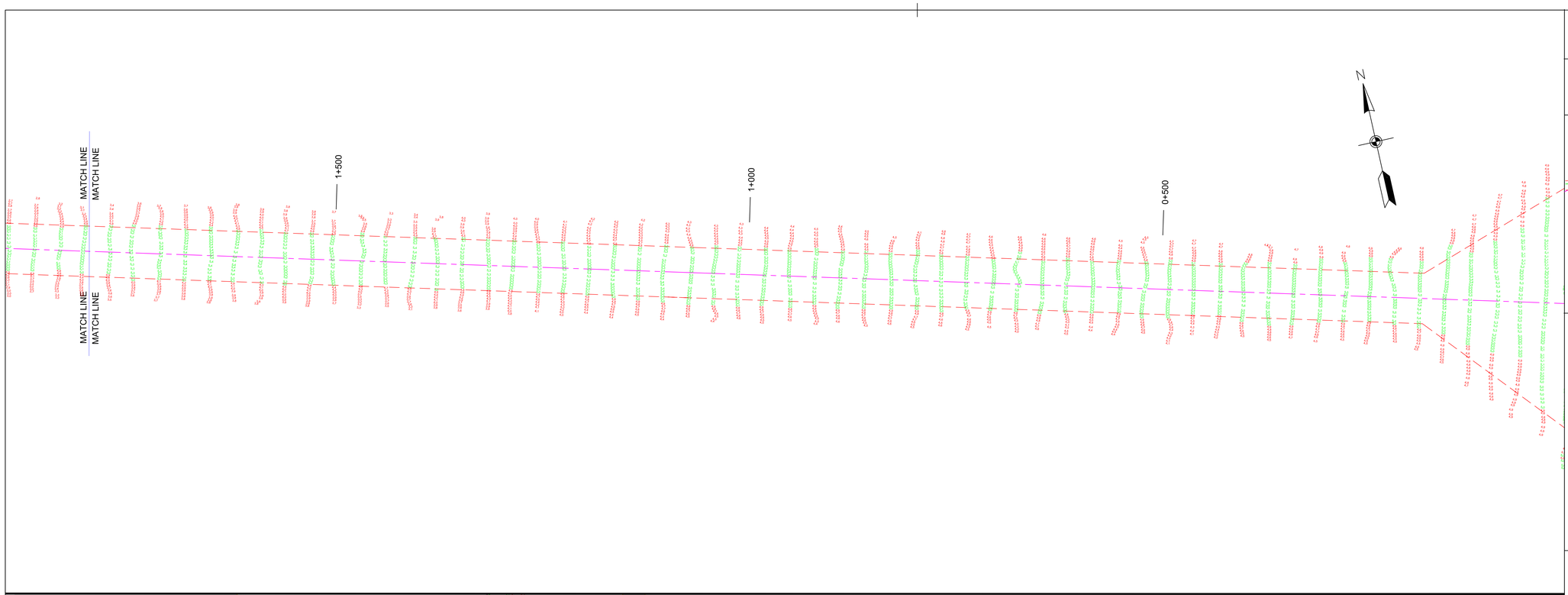
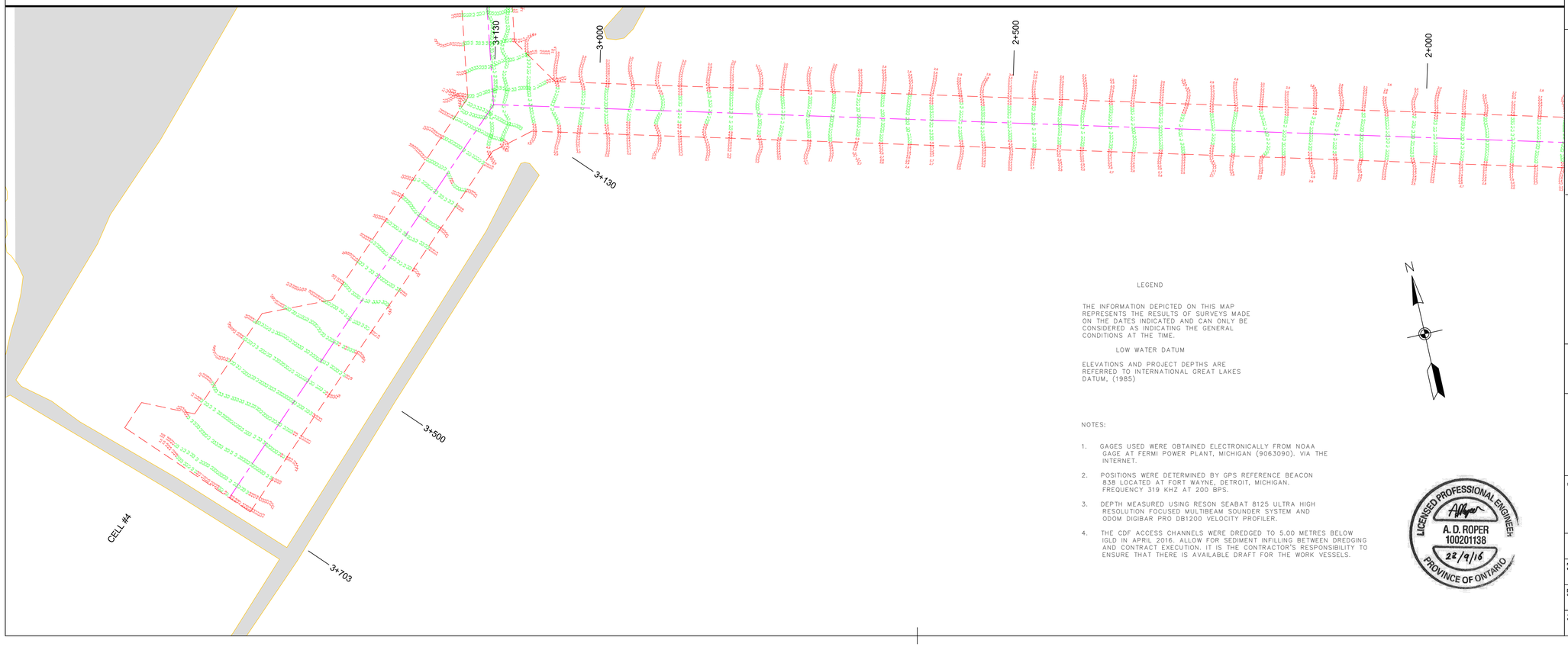




LEGEND

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 AT THE TIME.

LOW WATER DATUM

ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM, (1985)

NOTES:

1. GAGES USED WERE OBTAINED ELECTRONICALLY FROM NOAA GAGE AT FERMI POWER PLANT, MICHIGAN (9063090). VIA THE INTERNET.
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838 LOCATED AT FORT WAYNE, DETROIT, MICHIGAN. FREQUENCY 319 KHZ AT 200 BPS.
3. DEPTH MEASURED USING RESON SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM SOUNDER SYSTEM AND ODOM DIGIBAR PRO DB1200 VELOCITY PROFILER.
4. THE CDF ACCESS CHANNELS WERE DREDGED TO 5.00 METRES BELOW IGLD IN APRIL 2016. ALLOW FOR SEDIMENT INFILLING BETWEEN DREDGING AND CONTRACT EXECUTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THERE IS AVAILABLE DRAFT FOR THE WORK VESSELS.

LICENSED PROFESSIONAL ENGINEER
A. D. ROPER
100201138
22/9/16
PROVINCE OF ONTARIO

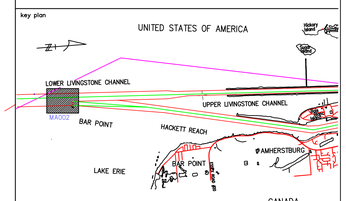
Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

Real Property Geomatics Services Ontario Region
Services géomatique immobiliers Région de l'Ontario

Fisheries and Oceans Canada
Pêches et Océans Canada

Canadian Hydrographic Service
Service hydrographique du Canada

key plan



legend

- CHANNEL LIMIT
- CHANNEL CENTERLINE
- 7_0 SOUNDING DEPTH BELOW CHART DATUM
- $\cdot 4_4$ DRY SOUNDING
- HORIZONTAL CONTROL POINT CHS
- HORIZONTAL CONTROL POINT OTHER AGENCY
- HORIZONTAL CONTROL POINT PWC
- DREDGE LIMIT CONTROL POINT
- BUOY
- NAVIGATION LIGHT
- CHS GAUGE STATION

1:2000 0 10m 50m 100m 200m

GEODETIC DATUM : WGS_84
MAP PROJECTION : UTM
ZONE : 17

REFERENCE STATIONS:

PT. NAME	EASTING	NORTHING	DESCRIPTION
BOLL	325238.530	4662668.273	BASE_ST_(Backup)

Used NGS CORS stations, virtual base stations, a network of at least 5 stations used simultaneously.

VERTICAL DATUM: I.G.L.D._1985
REFERENCE BENCHMARKS:

BM. NAME	ELEVATION	DESCRIPTION
BAR_POINT_GAUGE	173.5_m	CHS_GAUGE
AMHERSTBURG_GAUGE	173.87_m	CHS_GAUGE

WATER LEVEL REDUCTION: WEIGHTED AVERAGE BETWEEN GAUGES

ALL SOUNDINGS ARE IN METRES AND REFERENCED TO IGLD85 USING A SLOPED DATUM BETWEEN LAKE ERIE, ELEV. 173.5m AND AMHERSTBURG ELEV. 173.87m

MATRIX SOUNDING FILE(S): LIV_1-7_16_MIN & BARPOINT_ALL_16_MIN

WSP
WSP Canada Inc.
600 Cochrane Drive, Suite 200
Markham ONTARIO
L3R 5K3
T: 905-475-7270
www.wspgroup.com

* THE SOUNDING INFORMATION REPRESENTS RESULTS OF THE SURVEY MADE ON THE DATE(S) SPECIFIED AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS AT THAT TIME

A Detail No. No. du detail
B drawing no. – where detail required dessin no. – ou detail exige
C drawing no. – where detailed dessin no. – ou detaille

titre du projet

LOWER DETROIT RIVER NAVIGATIONAL DREDGING 2016

titre du dessin

POINTE MOUILLE SOUNDINGS

ADAM ROPER	drawn by dessiné par: R. JACQUES
reviewed by examiné par: ADAM ROPER	approved by approuvé par: R.CARIGLIA
project date date du project: 2016-09-23	project no. no. du projet: R.082378.001
drawing no. dessiné no.: MA004	sheet no. feuille: 4_OF_4