

LEGEND:

- FILL
- ORGANIC DEPOSITS
- SAND & SILT
- SAND & GRAVEL
- SILT
- TILL
- LIMESTONE (BOBCAYGEON FM.)
- LIMESTONE (GULL RIVER FM.)

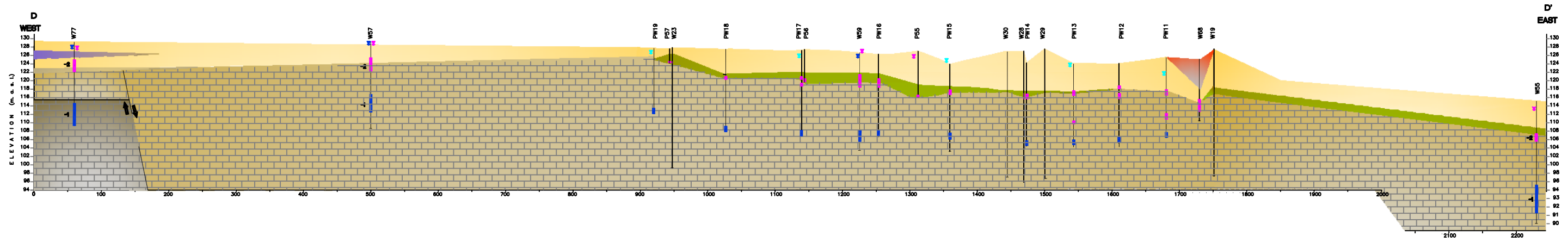
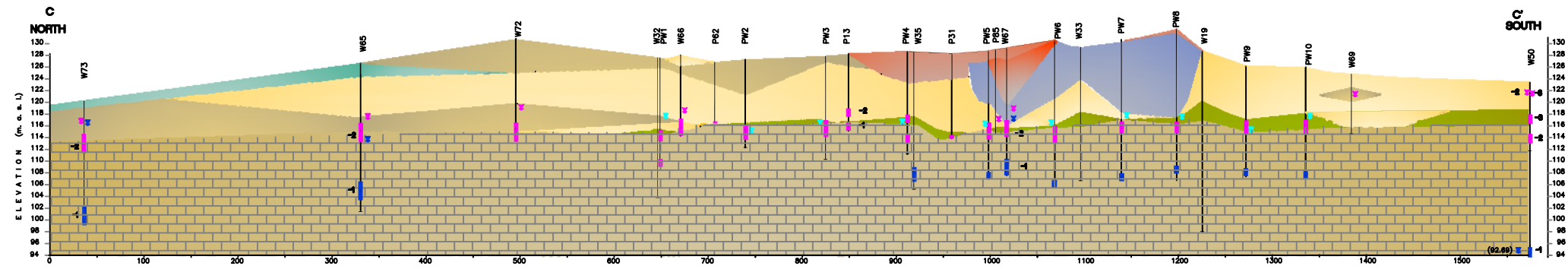
- 1 -2 MONITORING WELL SCREEN LOCATION INDICATOR (-1 = DEEPEST SCREEN)
- SHALLOW SCREEN
- DEEP SCREEN
- GROUNDWATER ELEVATIONS (APRIL 2011)
- OVERBURDEN-BEDROCK INTERFACE
- DEEP BEDROCK



STRATIGRAPHIC CROSS-SECTIONS
A-A' AND B-B'
WEST CARLETON ENVIRONMENTAL CENTRE
OTTAWA, ONTARIO

DWN BY: C.M.R. DATE: 30/05/11
CHK BY: D.H. SCALE: AS SHOWN
WM - OTTAWA LANDFILL SITE

FIGURE:
9(a)



LEGEND:

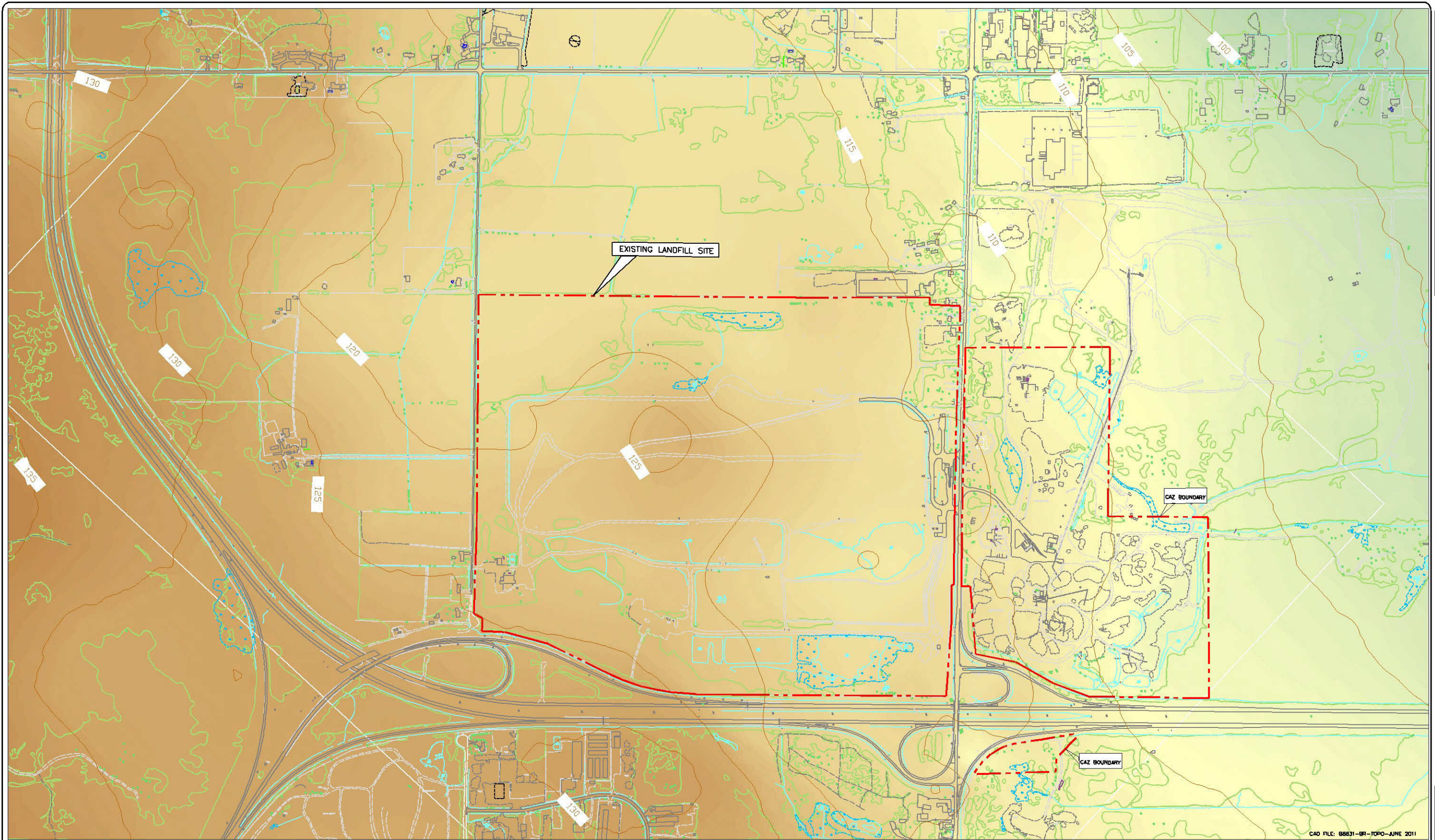
- WASTE
- FILL
- ORGANIC DEPOSITS
- SAND & SILT
- SAND & GRAVEL
- SILT & CLAY
- SILT
- TILL
- LIMESTONE (BOBCAYGEON FM.)
- LIMESTONE (GULL RIVER FM.)

-1 -2 MONITORING WELL SCREEN LOCATION INDICATOR (-1 = DEEPEST SCREEN)

- SHALLOW SCREEN
- DEEP SCREEN

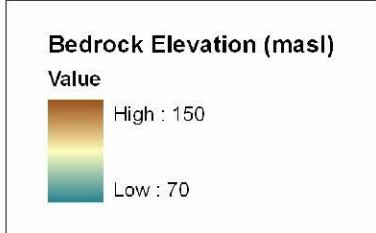
GROUNDWATER ELEVATIONS (APRIL 2011)

- OVERBURDEN-BEDROCK INTERFACE
- DEEP BEDROCK
- PURGE WELL



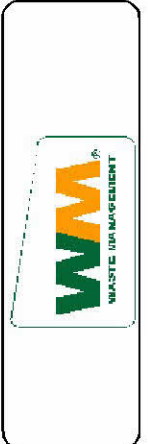
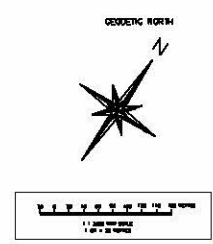
CAO FILE: 88831-ER-TOPO-JUNE 2011

- LEGEND :**
- WM PROPERTY BOUNDARY (APPROX.)
 - EXISTING DITCH, SWALE
 - EXISTING FENCE LINE
 - EXISTING ASPHALT ROADS
 - EXISTING GRAVEL ROADS
 - EXISTING TREE LINE
 - EXISTING HYDRO POLES
 - EXISTING BUILDINGS



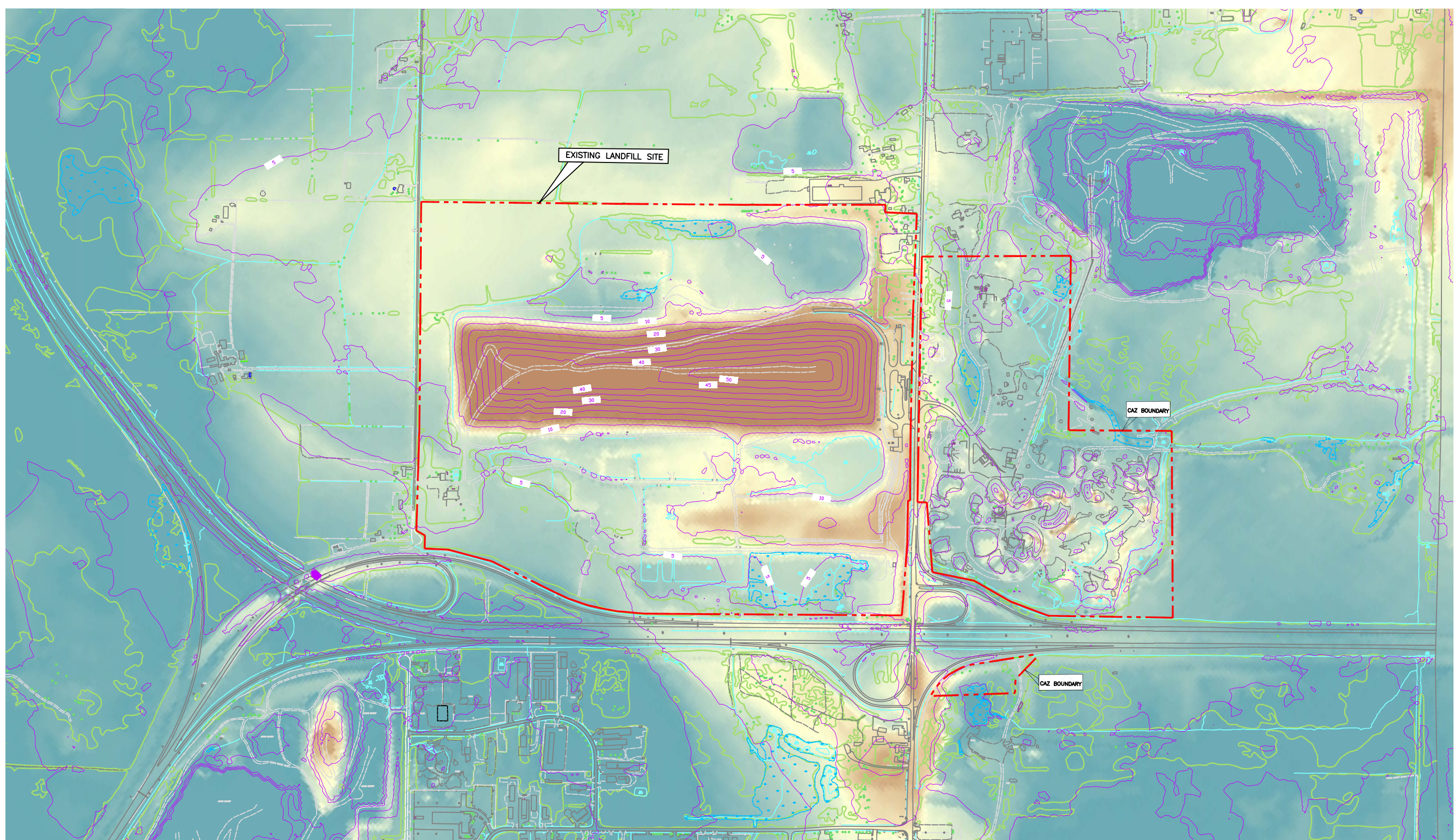
BEDROCK SURFACE CONTOURS (m)

WASTE MANAGEMENT 230 CAMP ROAD, R.S. 3 CAMP, ONTARIO R0A R10 TEL: (613) 838-2481			
MAP SCALE 1:2000	CONTOUR INT. 1 METRE	HORIZ DATUM NAD 83	VERTICAL DATUM OSGEBERG
PHOTO SCALE 1:4000	PHOTO DATE JUNE 29, 2007	CONTRACT NO. 2124-07	
PROJECT LOCATION TEL. OF S. OFFICE		BASE MAPPING <small>37-07 AVENUE CENTRE, OTTAWA, ONTARIO K2E 7K2 TEL: 613 725-7700 WWW.BASEMAPPING.COM</small>	



BEDROCK SURFACE TOPOGRAPHY
WEST CARLETON ENVIRONMENTAL CENTRE
OTTAWA, ONTARIO

DATE: 02/05/11
SCALE: AS SHOWN
DWN BY: C.M.R.
CHK BY: D.H.
WM - OTTAWA LANDFILL SITE



CAD FILE: B8831-OV-TOPO-JUNE 2011

LEGEND :

- WM PROPERTY BOUNDARY (APPROX.)
- EXISTING DITCH, SWALE
- EXISTING FENCE LINE
- EXISTING ASPHALT ROADS
- EXISTING GRAVEL ROADS
- EXISTING TREE LINE
- o EXISTING HYDRO POLES
- EXISTING BUILDINGS

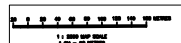
Overburden Thickness (m)

Value



— OVERBURDEN THICKNESS CONTOURS (m)

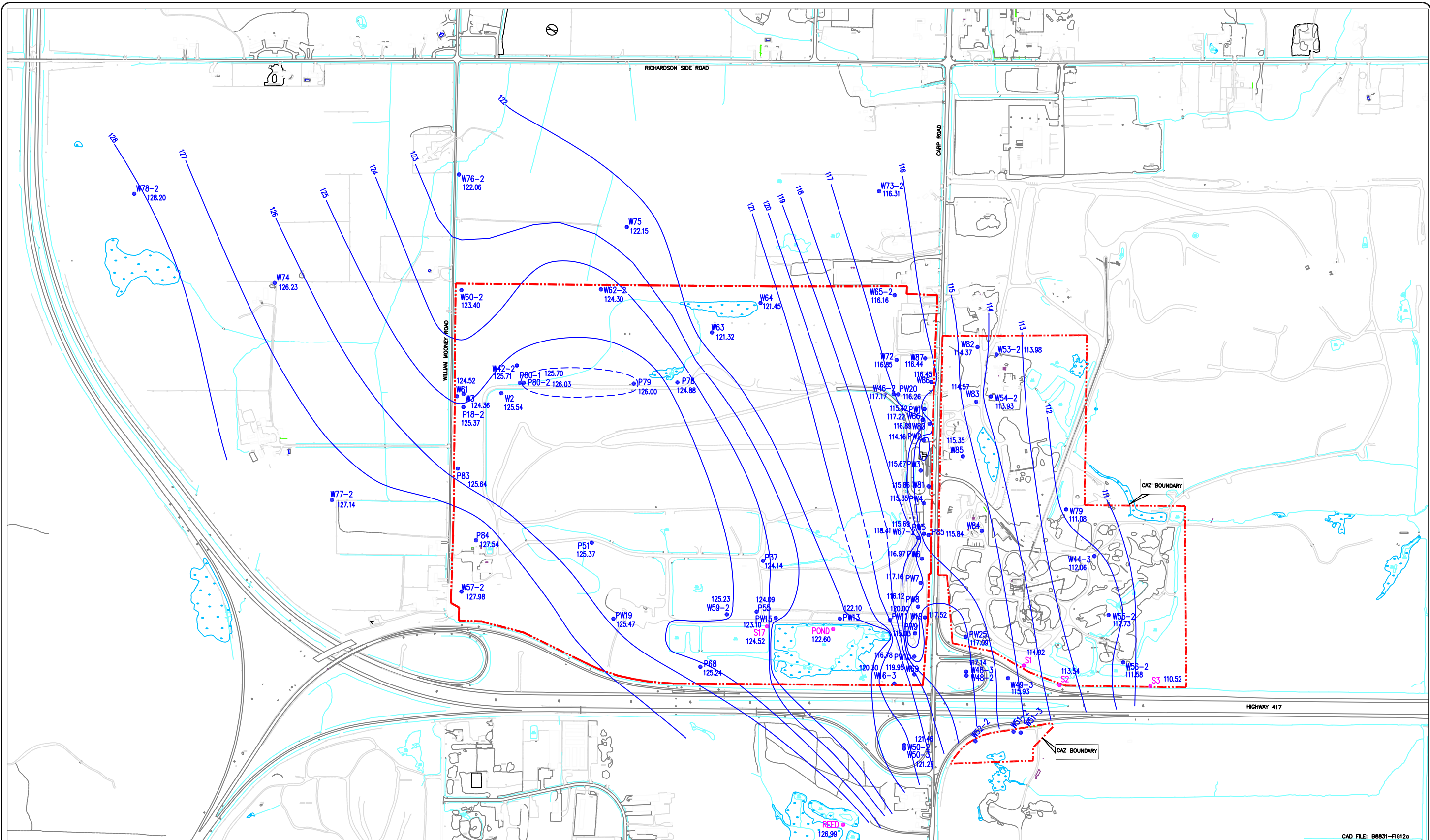
WASTE MANAGEMENT 2301 CAMP ROAD, P.L. 3 CAMP, ONTARIO K0A 1L0 TEL: (813) 838-2481			
MAP SCALE 1:8000	CONTOUR INT. 1 METRE	HORIZ. DATUM NAD 87	VERTICAL DATUM GEOIDETIC
PHOTO SCALE 1:4000	PHOTO DATE JUNE 29, 2007	CONTRACT NO. 2124-07	
PROJECT LOCATION TWP. OF W. CARLETON			



OVERBURDEN SURFACE TOPOGRAPHY
WEST CARLETON ENVIRONMENTAL CENTRE
 OTTAWA, ONTARIO

DATE: 02/05/11
 SCALE: AS SHOWN
WM - OTTAWA LANDFILL SITE

FIGURE:
 11

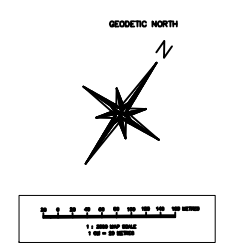


- LEGEND :**
- VN PROPERTY BOUNDARY (APPROX.)
 - EXISTING DITCH, SWALE
 - EXISTING FENCE LINE
 - EXISTING ASPHALT ROADS
 - EXISTING GRAVEL ROADS
 - EXISTING TREE LINE
 - EXISTING GUIDE RAIL
 - EXISTING HYDRO POLES
 - WETLAND
 - EXISTING BUILDINGS

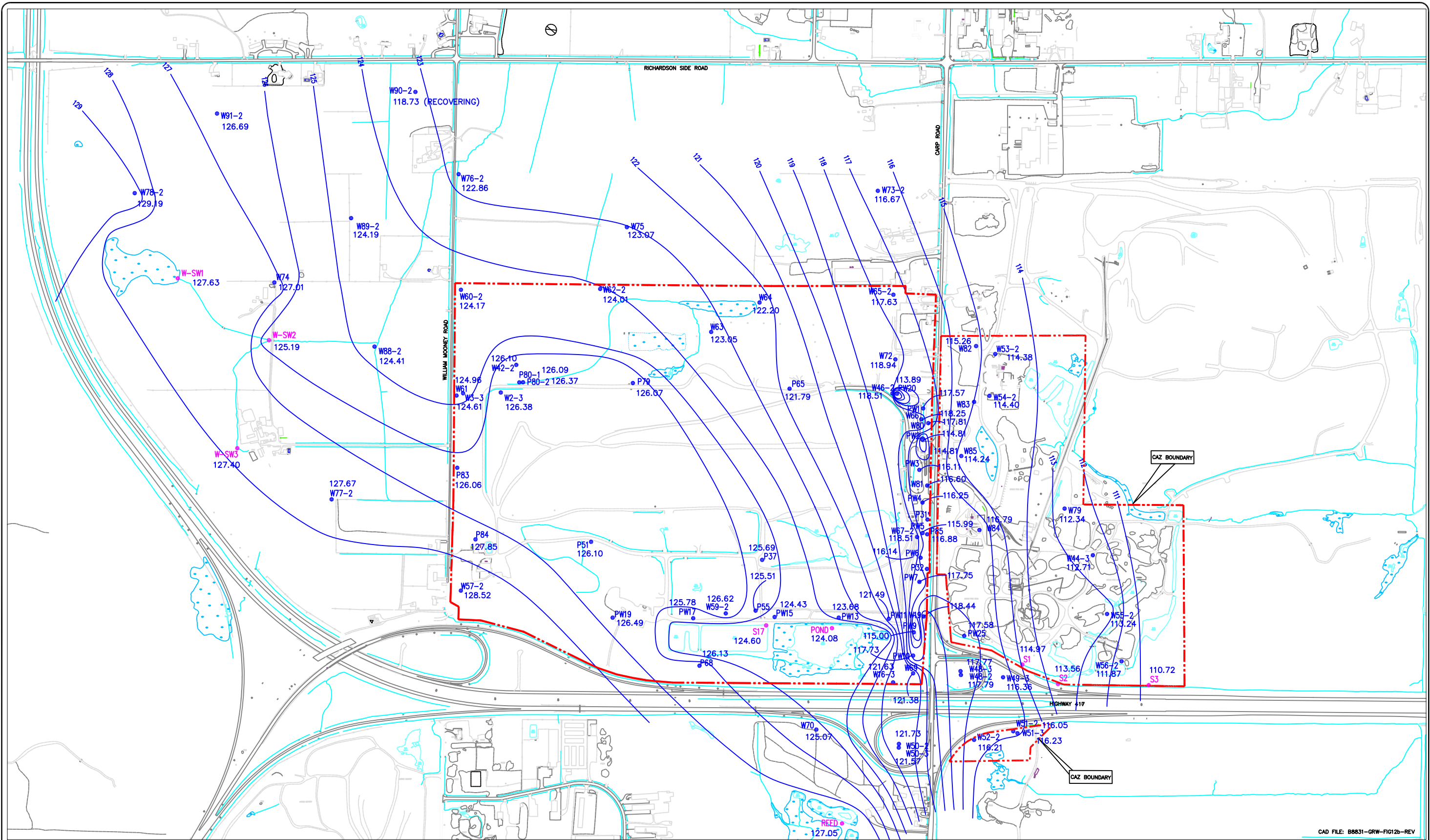
- LEGEND:**
- OVERBURDEN-SHALLOW BEDROCK MONITORING WELLS
 - SURFACE WATER MONITORING LOCATIONS
 - OVERBURDEN-SHALLOW BEDROCK CONTOURS (m)
 - 125.24 GROUNDWATER ELEVATION - JANUARY 2011 (masl)

- LEGEND**
- SHORELINE / WATER ELEVATION
 - DITCH / STREAM / CULVERT
 - MARSH
 - BUILDING
 - PEIZOMETRE
 - POST
 - ROAD SIGN
 - MANHOLE
 - CATCH BASIN
 - HYDRO POLE
 - LIGHT STANDARD
 - FIRE HYDRANT
 - MISC. AREA OUTLINE
 - PAVED / CURBED / LOOSE ROAD
 - PAVED / LOOSE PARKING

WASTE MANAGEMENT 2301 CAMP ROAD, P.L.R. 3 CAMP, ONTARIO K2H 1K9 TEL: (613) 838-2481			
MAP SCALE 1:2000	CONTOUR INT. 1 METRE	HORIZ. DATUM NAD 87	VERTICAL DATUM GEODETIC
PHOTO SCALE 1:4000	PHOTO DATE JUNE 28, 2007	CONTRACT NO. 2124-07	
PROJECT LOCATION TWP. OF W. CARLETON			
BASE MAPPING 37-07 JAMES ST. OTTAWA, ONTARIO K1P 1H7 TEL: (613) 753-8100 FAX: (613) 753-8088 WWW.BASEMAP.COM			



CAD FILE: B8831-FIG12a

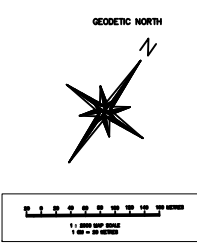


- LEGEND :**
- - - - - VM PROPERTY BOUNDARY (APPROX)
 - EXISTING DITCH, SWALE
 - EXISTING FENCE LINE
 - EXISTING ASPHALT ROADS
 - EXISTING GRAVEL ROADS
 - EXISTING TREE LINE
 - EXISTING GUIDE RAIL
 - EXISTING HYDRO POLES
 - WETLAND
 - EXISTING BUILDINGS

- LEGEND:**
- OVERBURDEN-SHALLOW BEDROCK MONITORING WELLS
 - SURFACE WATER MONITORING LOCATIONS
 - OVERBURDEN-SHALLOW BEDROCK CONTOURS (m)
 - 125.24 GROUNDWATER ELEVATION - APRIL 2011 (masl)

- LEGEND**
- SHORELINE / WATER ELEVATION
 - DITCH / STREAM / CULVERT
 - MARSH
 - BUILDING
 - ROAD SIGN
 - MANHOLE
 - CATCH BASIN
 - HYDRO POLE
 - LIGHT STANDARD
 - FIRE HYDRANT
 - MISC. AREA OUTLINE
 - PAVED / CURBED / LOOSE ROAD
 - PAVED / LOOSE PARKING

WASTE MANAGEMENT 2325 CAMP ROAD, P.L.R. 3 CAMP, ONTARIO RDA 110 TEL: (613) 836-2461			
MAP SCALE 1:2000	CONTOUR INT. 1 METRE	HORIZ. DATUM NAD 27	VERTICAL DATUM GEODETIC
PHOTO SCALE 1:4000	PHOTO DATE JUNE 28, 2007	CONTRACT NO. 2124-07	
PROJECT LOCATION TRIP. OF W. CARLETON			

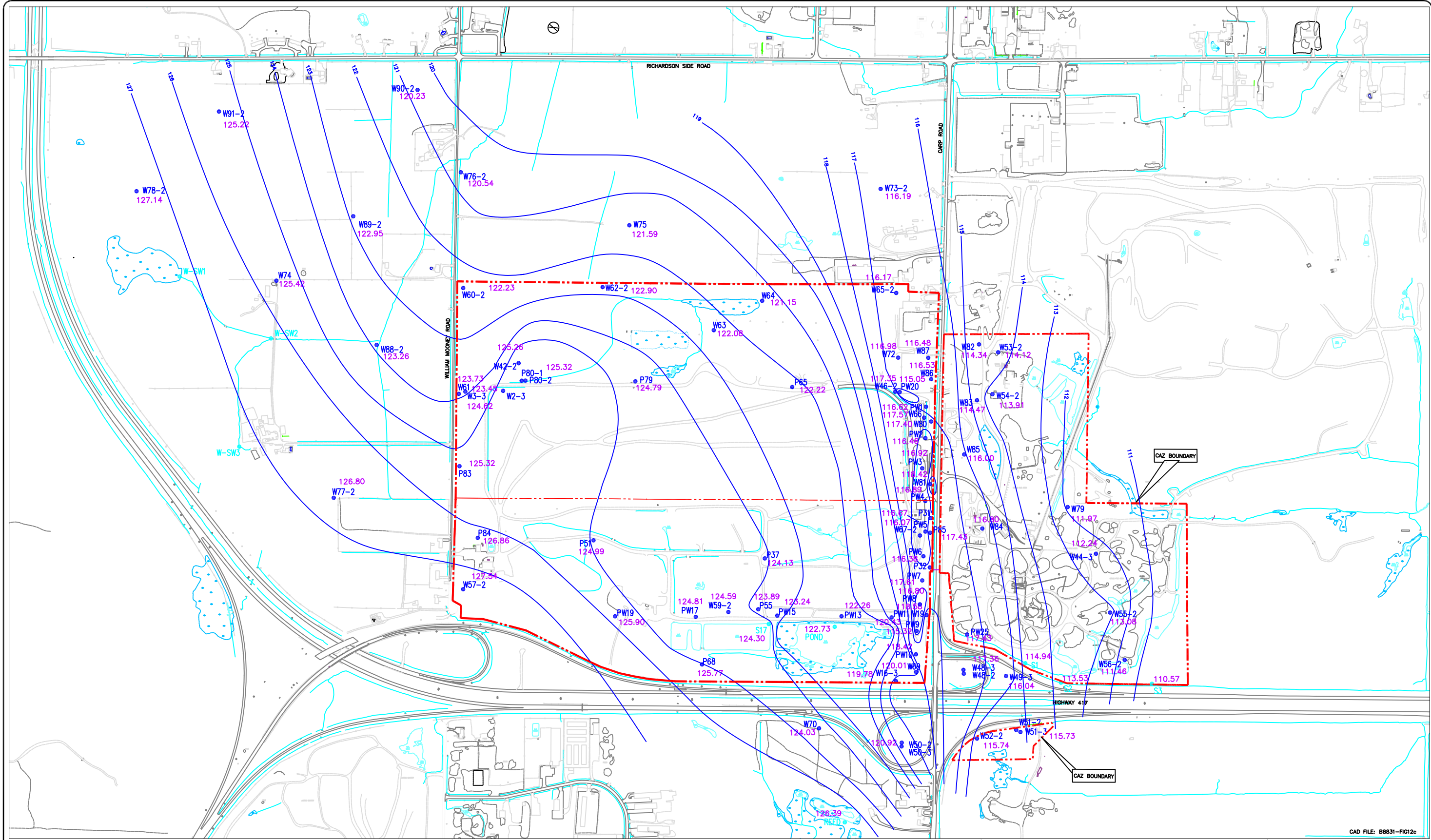


GROUNDWATER ELEVATIONS,
 OVERBURDEN-SHALLOW BEDROCK (APRIL 2011)
 WEST CARLETON ENVIRONMENTAL CENTRE
 OTTAWA, ONTARIO

DATE: 01/06/11
 DWN BY: C.M.R.
 CHK BY: D.H.
 SCALE: AS SHOWN
WM - OTTAWA LANDFILL SITE

FIGURE:
12(b)

CAD FILE: B8831-GRW-FIG12b-REV



CAD FILE: B8831-FIG12c

LEGEND :

- VM PROPERTY BOUNDARY (APPROX)
- EXISTING DITCH, SWALE
- EXISTING FENCE LINE
- EXISTING ASPHALT ROADS
- EXISTING GRAVEL ROADS
- EXISTING TREE LINE
- EXISTING GUIDE RAIL
- EXISTING HYDRO POLES
- WETLAND
- EXISTING BUILDINGS

LEGEND:

- OVERBURDEN-SHALLOW BEDROCK MONITORING WELLS
- SURFACE WATER MONITORING LOCATIONS
- OVERBURDEN-SHALLOW BEDROCK CONTOURS (m)
- 125.24 GROUNDWATER ELEVATION - AUGUST 2011 (masl)

LEGEND

- SHORELINE / WATER ELEVATION
- DITCH / STREAM / CULVERT
- MARSH
- BUILDING
- + ROAD SIGN
- MANHOLE
- CATCH BASIN
- HYDRO POLE
- LIGHT STANDARD
- FIRE HYDRANT
- MISC. AREA OUTLINE
- PAVED / CURBED / LOOSE ROAD
- PAVED / LOOSE PARKING

WASTE MANAGEMENT 2391 CAMP ROAD, R.R. 3 CAMP, ONTARIO KOA 14.0 TEL: (613) 836-2481			
MAP SCALE 1:2000	CONTOUR INT. 1 METRE	HORIZ. DATUM NAD 27	VERTICAL DATUM GEOIDETIC
PHOTO SCALE 1:4000	PHOTO DATE JUNE 28, 2007	CONTRACT NO. 2124-07	
PROJECT LOCATION TRIP. OF W. CARLETON		BASE MAPPING <small>27-81 ALBION DRIVE, OTTAWA, ONTARIO K2E 7Y9 TEL: 613 723-8910 FAX: 613 723-8999 WWW.BASEMAP.21</small>	

GEOIDETIC NORTH

1:2000 SCALE
1 CM = 20 METRES

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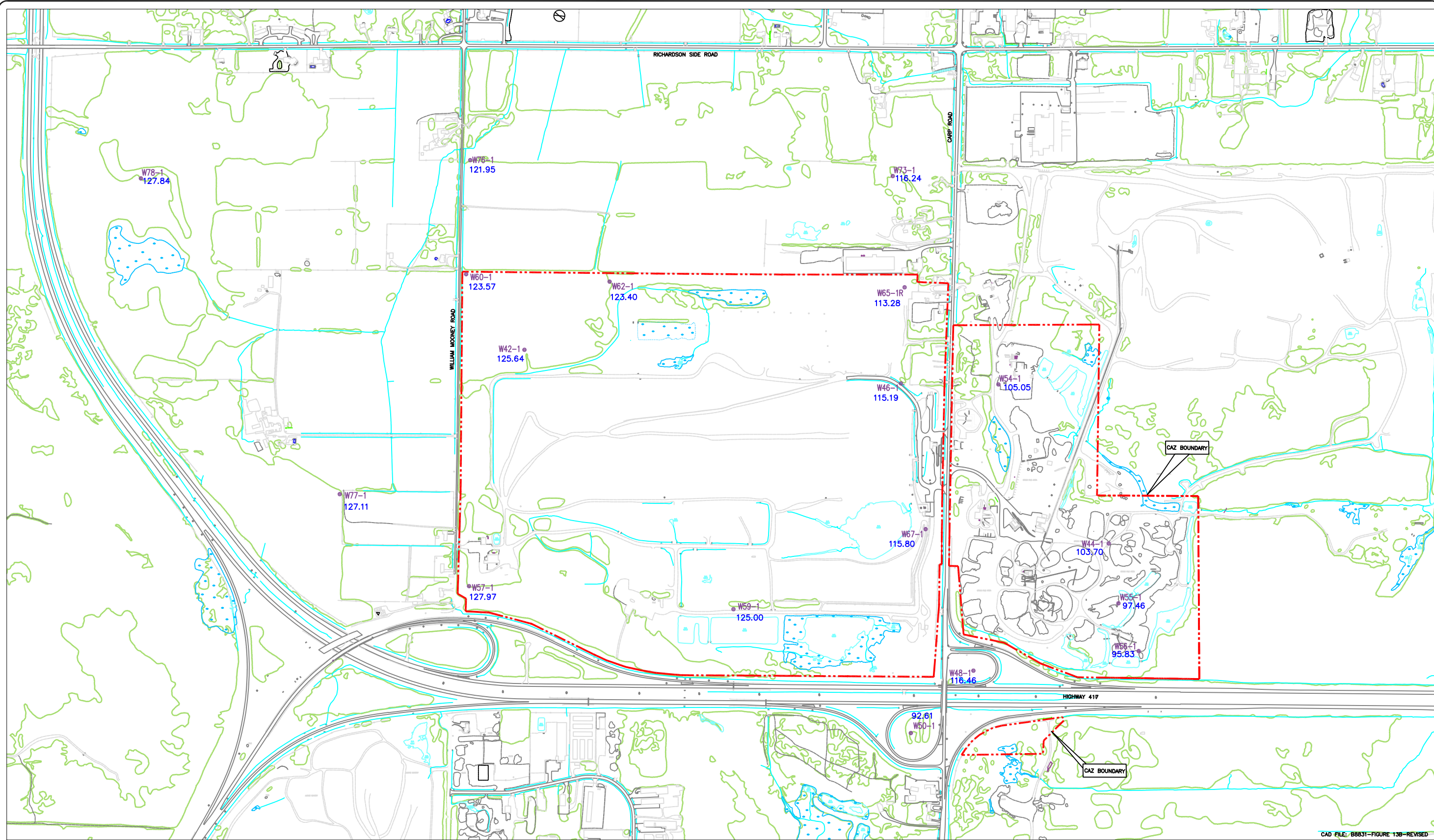
**GROUNDWATER ELEVATIONS,
OVERBURDEN-SHALLOW BEDROCK (AUGUST 2011)
WEST CARLETON ENVIRONMENTAL CENTRE
OTTAWA, ONTARIO**

WM - OTTAWA LANDFILL SITE

DATE: 14/09/11
SCALE: AS SHOWN

DRAWN BY: C.M.R.
CHK BY: J.H.

**FIGURE:
12(c)**

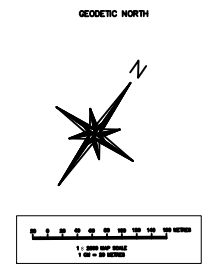


- LEGEND :**
- LEGAL FABRIC
 - EXISTING DITCH, SWALE
 - EXISTING FENCE LINE
 - EXISTING ASPHALT ROADS
 - EXISTING GRAVEL ROADS
 - EXISTING GUIDE RAIL
 - EXISTING HYDRO POLES
 - WETLAND
 - EXISTING BUILDINGS

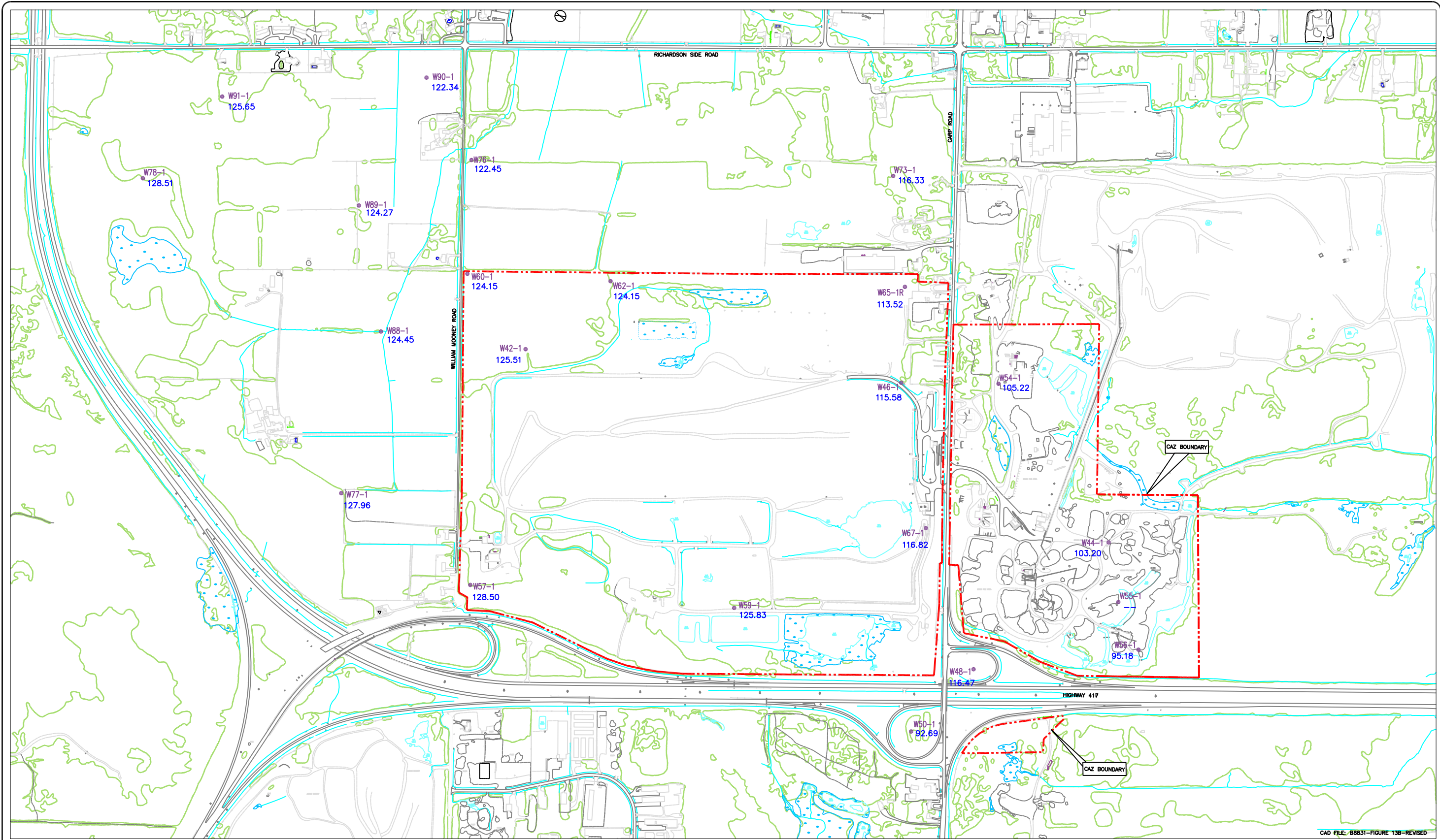
● DEEP BEDROCK MONITORING WELLS
125.00 GROUNDWATER ELEVATION - JANUARY 2011 (masl)

- LEGEND**
- SHORELINE / WATER ELEVATION
 - DITCH / STREAM / CULVERT
 - MARSH
 - BUILDING
 - PEIZOMETRE
 - POST
 - ROAD SIGN
 - MANHOLE
 - CATCH BASIN
 - HYDRO POLE
 - LIGHT STANDARD
 - FIRE HYDRANT
 - MISC. AREA OUTLINE
 - PAVED / CURBED / LOOSE ROAD
 - PAVED / LOOSE PARKING

WASTE MANAGEMENT 2300 CAMP ROAD, R.R. 3 CAMP, ONTARIO K0A 1L0 TEL: (613) 836-2481			
MAP SCALE 1:2000	CONTOUR INT. 1 METRE	HORIZ. DATUM NAD 27	VERTICAL DATUM GEODETIC
PHOTO SCALE 1:4000	PHOTO DATE JUNE 29, 2007	CONTRACT NO. 2124-07	
PROJECT LOCATION TWP. OF W. CARLETON		BASE MAPPING 37-01 AURORA DRIVE, OTTAWA, ONTARIO K2E 7Y3 TEL: 613 723-8810 FAX: 613 723-8866 WWW.BASEMAP.CA	



CAD FILE: B8831-FIGURE 13B-REVISED

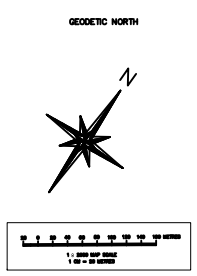


- LEGEND :**
- LEGAL FABRIC
 - EXISTING DITCH, SWALE
 - EXISTING FENCE LINE
 - EXISTING ASPHALT ROADS
 - EXISTING GRAVEL ROADS
 - EXISTING GUIDE RAIL
 - EXISTING HYDRO POLES
 - WETLAND
 - EXISTING BUILDINGS

● DEEP BEDROCK MONITORING WELLS
125.83 GROUNDWATER ELEVATION - APRIL 2011 (masl)

- LEGEND**
- SHORELINE / WATER ELEVATION
 - DITCH / STREAM / CULVERT
 - MARSH
 - BUILDING
 - PEIZOMETRE
 - POST
 - ROAD SIGN
 - MANHOLE
 - CATCH BASIN
 - HYDRO POLE
 - LIGHT STANDARD
 - FIRE HYDRANT
 - MISC. AREA OUTLINE
 - PAVED / CURBED / LOOSE ROAD
 - PAVED / LOOSE PARKING

WASTE MANAGEMENT 2301 CAMP ROAD, R.R. 3 CAMP, ONTARIO K0A 1L0 TEL: (613) 838-2481			
MAP SCALE 1:2000	CONTOUR INT. 1 METRE	HORIZ. DATUM NAD 27	VERTICAL DATUM GEOIDIC
PHOTO SCALE 1:4000	PHOTO DATE JUNE 29, 2007	CONTRACT NO. 2124-07	
PROJECT LOCATION TWP. OF W. CARLETON			



CAD FILE: B8831-FIGURE 13B-REVISED