

NWB Annual Report

Year being reported: 2008 ▼

License No: NWB4NUN0511 - Type "B" Issued Date: September 13, 2005
 Expiry Date: December 13, 2011

Project Name: Nunatta Environmental Services "Landfarm"

Licensee: Nunatta Environmental Services

Mailing Address: Box 267,
 Iqaluit, Nunavut
 X0A 0H0

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

General Background Information on the Project (*optional):

Nunatta Environmental Services Inc. (Nunatta) owns and operates a Hydrocarbon-Impacted Soil Landfarm Facility in the City of Iqaluit, Nunavut. This treatment facility is commonly referred to as a 'landfarm'. Nunatta operations consist in accepting soils impacted with petroleum products at various concentrations at the landfarm's geosynthetic lined cells and allow indigenous soil microorganisms with the assistance of fertilizers to degrade petroleum products into compounds such as water, carbon dioxide and hydrogen sulfide. Soils accepted at the landfarm are contaminated with diesel fuel, gasoline and other automotive oils.

Licence Requirements: the licensee must provide the following information in accordance with

Part B ▼ Item 1 ▼

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s): Run-off water, contaminated water from clean-up site

Water Quantity:

| | |
|--|--------------------------------------|
| | Quantity Allowable Domestic (cu.m) |
| | Actual Quantity Used Domestic (cu.m) |
| | Quantity Allowable Drilling (cu.m) |
| | Total Quantity Used Drilling (cu.m) |

Waste Management and/or Disposal

- ☐ Solid Waste Disposal
☐ Sewage
☐ Drill Waste
☐ Greywater
☐ Hazardous
☒ Other:

Hydrocarbon Contaminated Soils

☒ Other:

Additional Details:

18 cubic meters of water discharged into receiving environment. All waters were passed through carbon filters prior to discharging.

A list of unauthorized discharges and a summary of follow-up actions taken.Spill No.: (as reported to the Spill Hot-line)Date of Spill: Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed



Additional Details:

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed



Additional Details:

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

There was a total of 690 Meters received at landfarm in 2008 giving us a grand total of 6384.4 meters

Soils taken in and placed in cells. Large rocks were removed and soils were turned over with excavator when time permitted. Cell #3 had soils spread out level and were being cultivated and fertilized weekly. Water was applied as needed throughout summer months.

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Not Applicable (N/A)



Additional Details:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details described below



Additional Details:

Cell #1 N 63-45-816 These are to centre of cell. Corner coordinates included
W 068-32-667 in attachment (detaled Map)

Cell #2 N 63-45-825
W 068-32-708

Cell #3 N63-45-828
~~W 068-32-738~~

Results of any additional sampling and/or analysis that was requested by an Inspector

No additional sampling requested by an Inspector or the Board



Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

No additional sampling requested by an Inspector or the Board



Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

No inspection and/or compliance report issued by INAC



Additional Details: (Dates of Report, Follow-up by the Licensee)

Any additional comments or information for the Board to consider

November of 2008 after a change in Management, Franz Environmental was contracted to install 4 new Monitoring wells around the perimeter of the containment area. Photo's and GPS data will be included as an attachment to this document.

Date Submitted:

Nov. 25, 2010

Submitted/Prepared by:

Nunatta Environmental Services Inc, Iqaluit, Nu

Contact Information:

Tel: 867-979-1488

Fax: 867-979-1478

email: nunatta@northwestel.net

GPS Coordinates for water sources utilized

[illegible]

GPS Locations of areas of waste disposal

[illegible]



Nunatta Environmental Services Inc.
P.O. Box 267
Iqaluit, NU X0A 0H0

Tel: (867) 979-1488
Fax: (867) 979-1478

RECEIPT OF OIL - IMPACTED SOILS
BY CLIENT & JOB #
AS AT 31/12/08

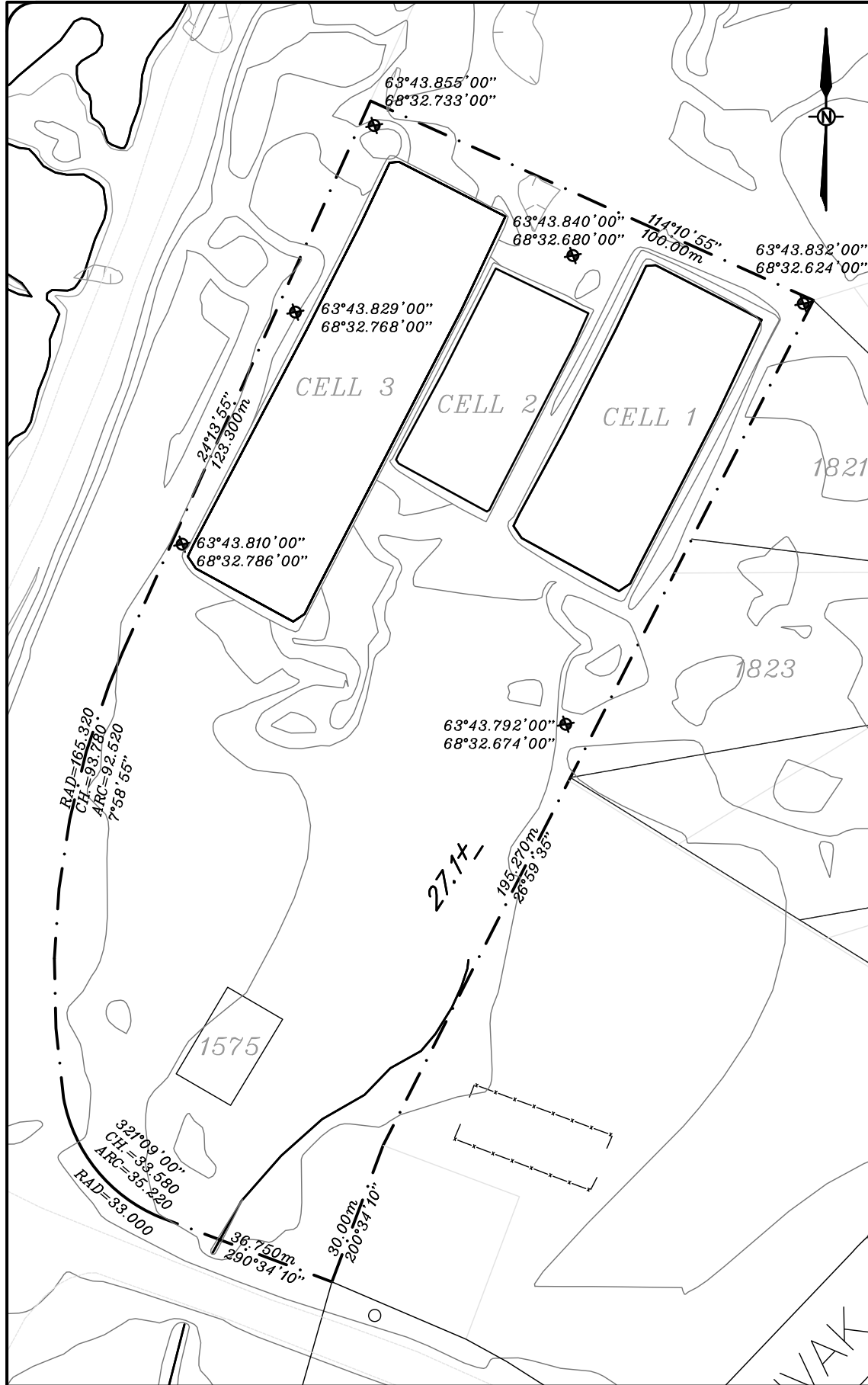
| Date of Invoice | Customer | Job # | Details (Cu. Mtrs. Received) |
|-----------------------|--------------------|----------|------------------------------------|
| April 7/08 | Robert Bertrand | 08-809 | 18.5 |
| April 28/08 | NP REIT | 08-812 | 23.8 |
| July 7/08 | Chuck Gilhuly | 08-813 | 11.50 |
| June 24/08 | GN - Young Off. | 08-816 | 50.0 |
| June 19/08 | Arctic Co-ops | 08-817 | 42.00 |
| Aug 15/08 | GN - CGS | 08-819 | 420.0 |
| June 23/08 | Baffin Gas Bar | 18-820 | 22.0 |
| June 23/08 | Daniel Cuerrier | 08-821 | 35.0 |
| Sept 22/08 | Parkdale Condos | 08-826 | 39.0 |
| Aug 8/08 | NPREIT | 08-827 | 28.0 |
| Sept 15/08 | NPREIT | 08-827-2 | 7.0 |
| Dec31/08 | Northwest Co. | 08-828 | 20.5 |
| Nov 14/08 | Katujjijiit Dev | 08-830 | 27.0 |
| Aug 6/08 | NEAS Inc. | 08-832 | 6.0 |
| Sept 15/08 | D.J. Specialities | 08-837 | 2.0 |
| Nov 14/08 | South Baffin Hldgs | 08-840 | 22.0 |
| Oct 10/08 | Brad MacDonald | 08-841 | 66.0 |
| Nov 14/08 | NPREIT | 08-847 | 39.0 |
| Nov 14/08 | BBS | 08-849 | 36.0 |
| Nov 14/08 | Meeka Mike | 08-851 | 162.0 |

Total Cubic Meters of Oil-impacted Soil Received:

1,077.3

Nunatta Environmental Services Inc.
Annual Accrual for Future Costs of Soil Remediation
Annual Data (Per Financial Statements)
***2010 - year-to-date figures**

| Year Soil Received | Details (Cu. Mtrs. Received) | Annual Sales Revenue | Annual Liability at Y/E |
|-----------------------------------|---|-------------------------------------|--|
| 2003 | 3919.6 | \$ 683,827 | \$ 547,062 |
| 2004 | 708 | \$ 204,800 | \$ 574,136 |
| 2005 | 377.8 | \$ 74,800 | \$ 496,251 |
| 2006 | 164.0 | \$ 34,845 | \$ 291,440 |
| 2007 | 525.1 | \$ 130,662 | \$ 196,317 |
| 2008 | 1077.3 | \$ 269,513 | \$ 322,905 |
| Totals | 6771.8 | \$ 1,398,447 | |



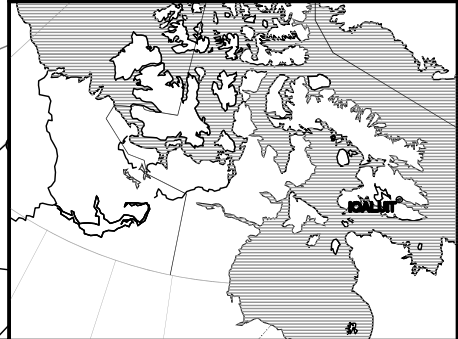
GENERAL NOTES:

- 1 ALL PROPERTY LINE BEARINGS AND DIMENSIONS HAVE BEEN PROVIDED BY THE CITY OF IQALUIT
- 2 CONTRACTOR IS TO REPORT IMMEDIATELY ANY DISCREPANCIES ON THE DRAWINGS TO THE ENGINEER.

LEGEND:

| PROPERTY LINE | |
|--------------------------|------|
| EXISTING GRADE ELEVATION | 9.85 |
| EXISTING LIGHT POLE | ELP |
| ENTRANCE/EXIT | EPP |
| EXISTING POWER POLE | EPP |
| PROPOSED GRADE ELEVATION | 1.00 |
| NEW LIGHT POLE | NPP |
| WATER TEST WELLS | |

ALL SITE INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY OF:
LOT 1, BLOCK 229
SOURCE: CITY OF IQALUIT
LOT AREA = 20,233.27m²



1
G1

SITE PLAN

SCALE: 1:1200

PROJECT:
SITE SURVEY AND ELEVATIONS

CLIENT DEPARTMENT:
NUNATTA ENVIRONMENTAL INC.

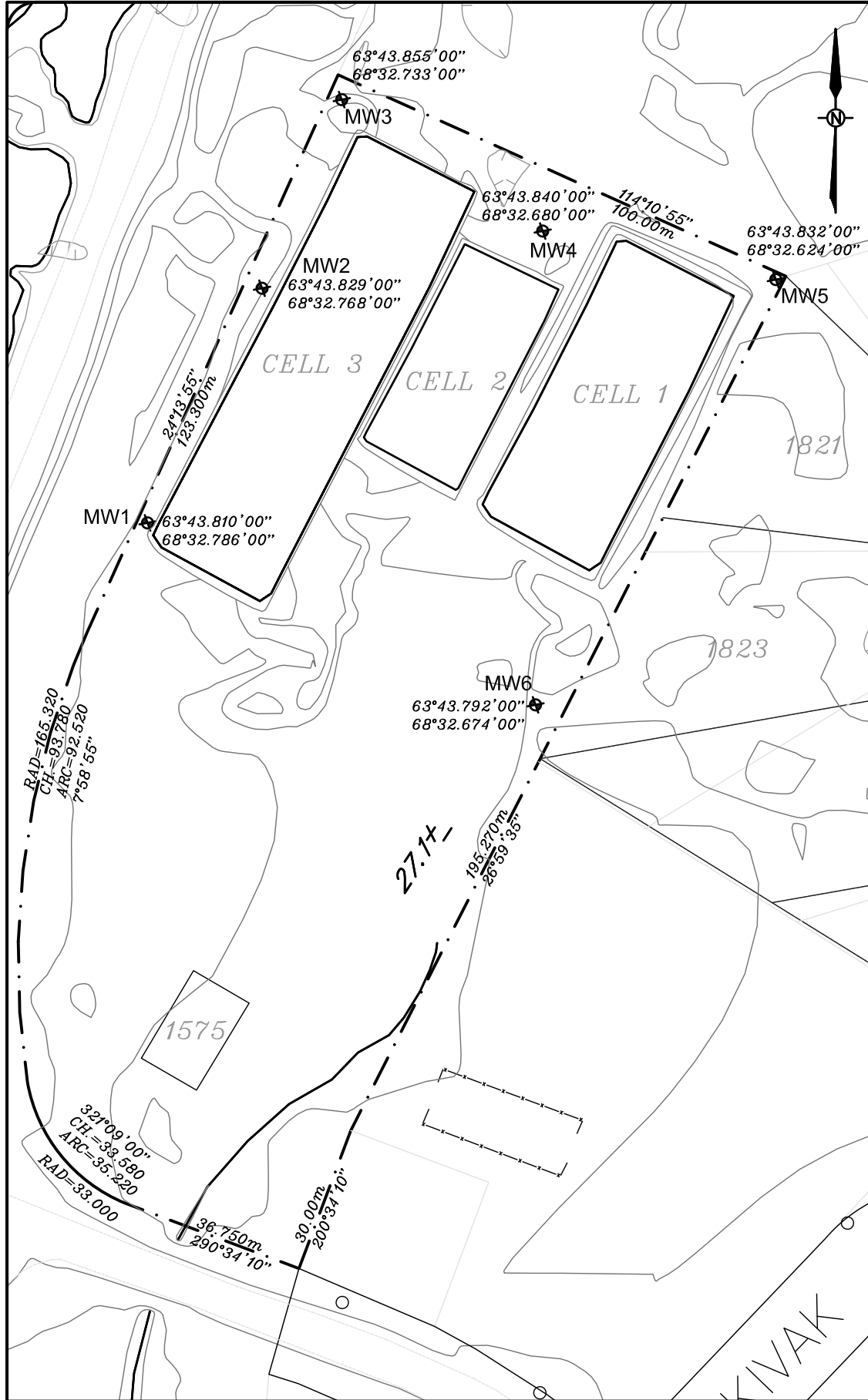
COMMUNITY:
IQALUIT, NU

LOT 1, BLOCK 229

DATE:
2005

DRAWN BY:
T.STOKES

SPG.1



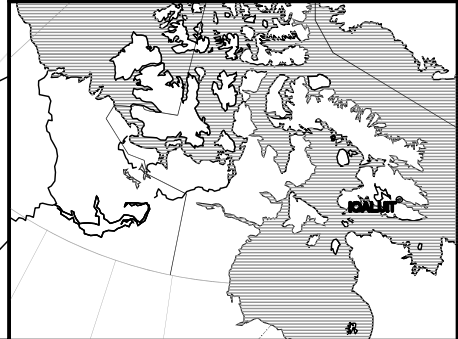
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|--|--------------------------|
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| | ENTRANCE/EXIT |
| | EXISTING POWER POLE |
| | PROPOSED GRADE ELEVATION |
| | NEW LIGHT POLE |
| | WATER TEST WELLS |

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1
G2

AV PLAN

SCALE: 1:1200

PROJECT:
SITE SURVEY AND ELEVATIONS

CLIENT DEPARTMENT:
NUNATTA ENVIRONMENTAL INC.

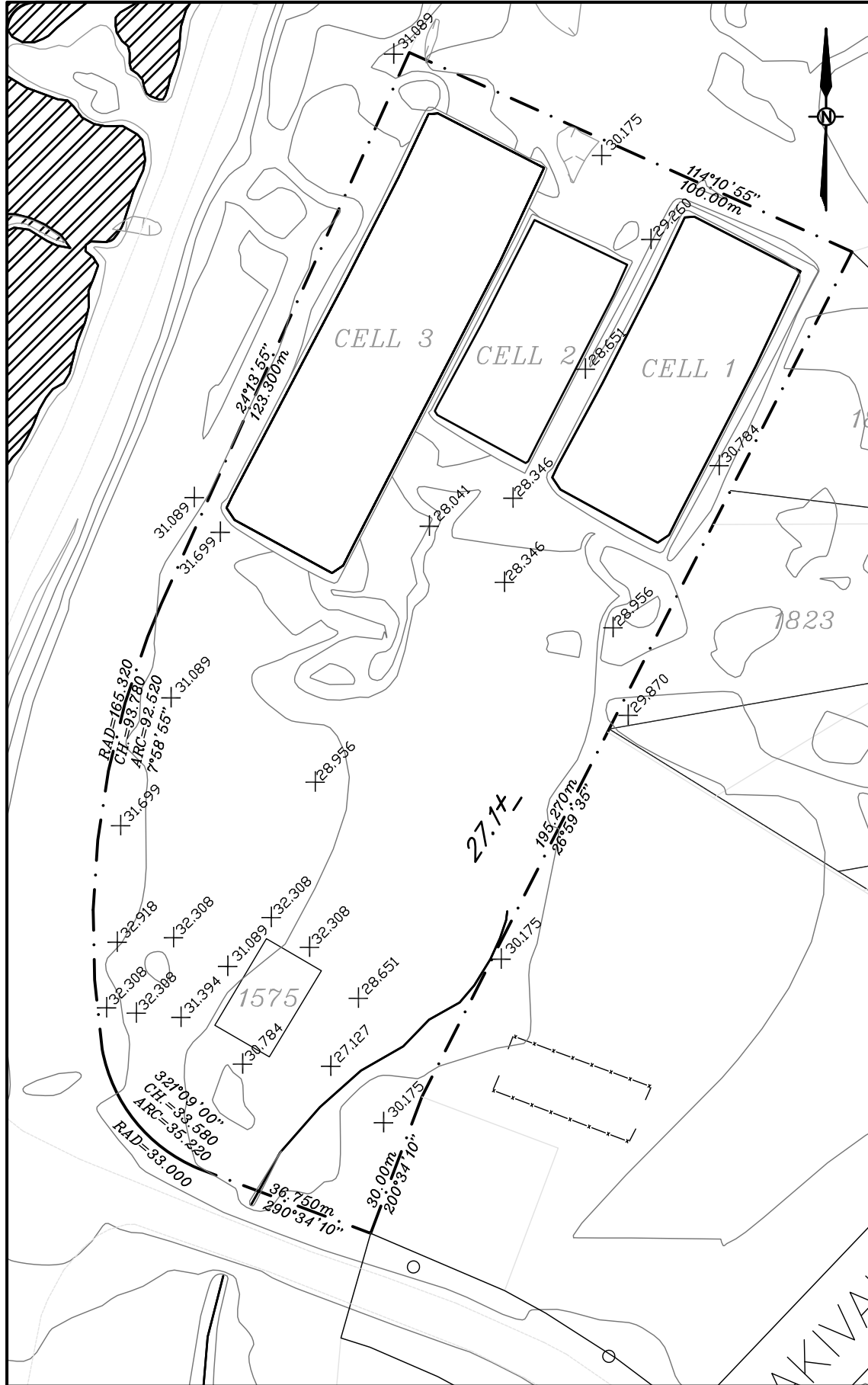
COMMUNITY:
IQALUIT, NU

LOT 1, BLOCK 229

DATE:
2005

DRAWN BY:
T.STOKES

SPG.2



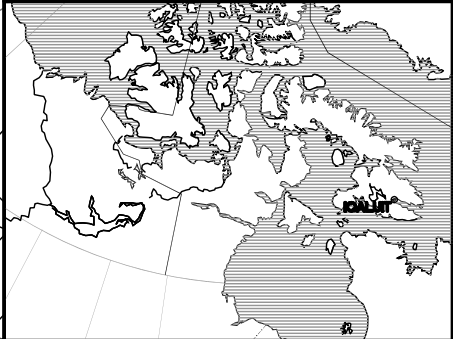
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LEGEND:

| | PROPERTY LINE |
|--|------------------------------|
| | EXISTING GRADE ELEVATION |
| | EXISTING LIGHT POLE |
| | ENTRANCE/EXIT |
| | EXISTING POWER POLE |
| | PROPOSED GRADE ELEVATION |
| | NEW LIGHT POLE |
| | WATER TEST WELLS |
| | PROXIMITY OF BODIES OF WATER |

ALL SITE INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY OF:
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1
G4

ELEV. PLAN

SCALE: 1:1200

PROJECT:
SITE SURVEY AND ELEVATIONS

CLIENT DEPARTMENT:
NUNATTA ENVIRONMENTAL INC.

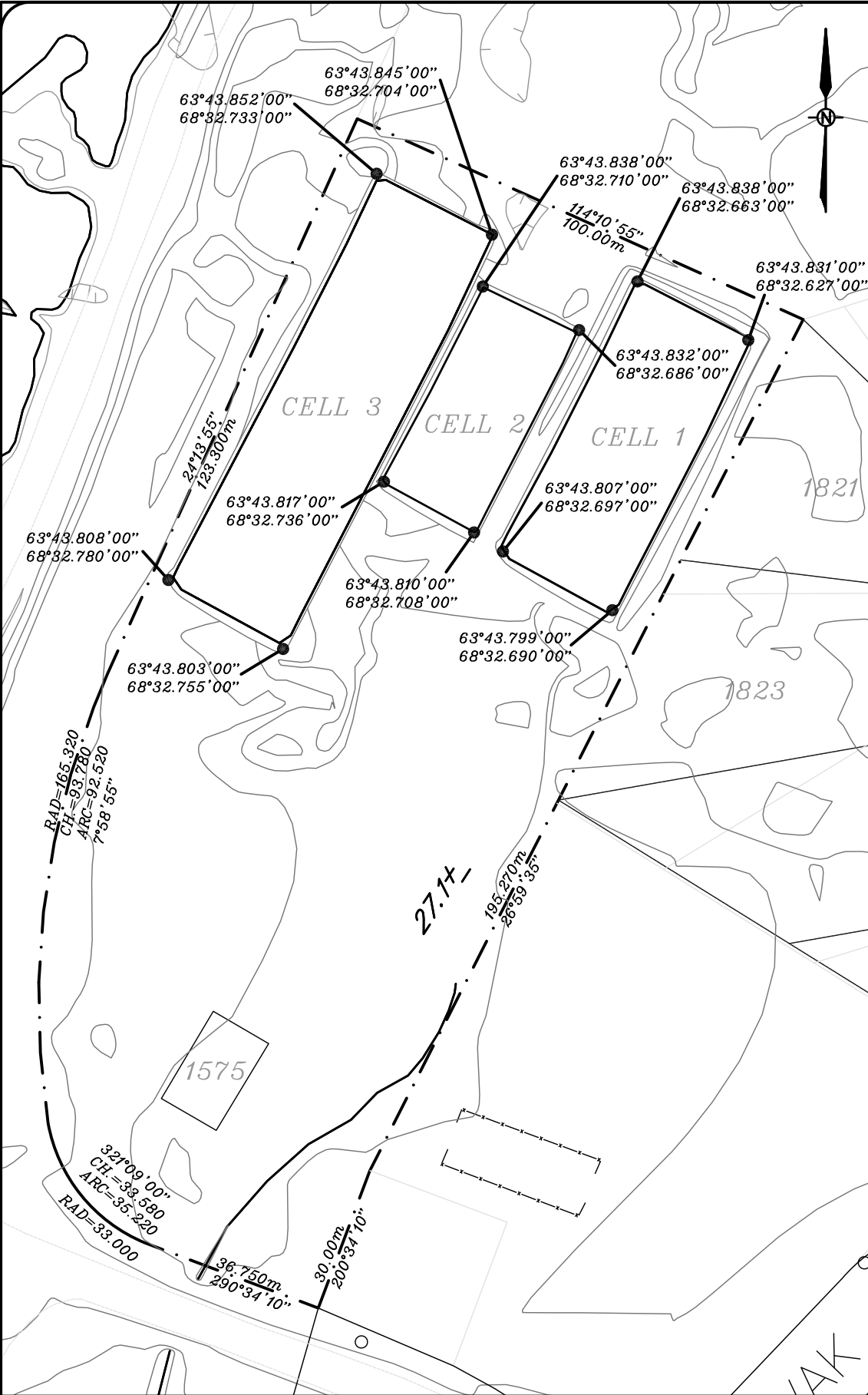
COMMUNITY:
IQALUIT, NU

LOT 1, BLOCK 229

DATE:
2005

DRAWN BY:
T.STOKES

SPG.4



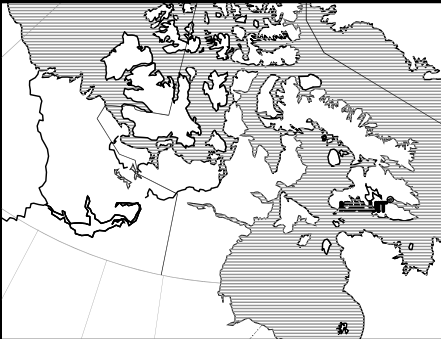
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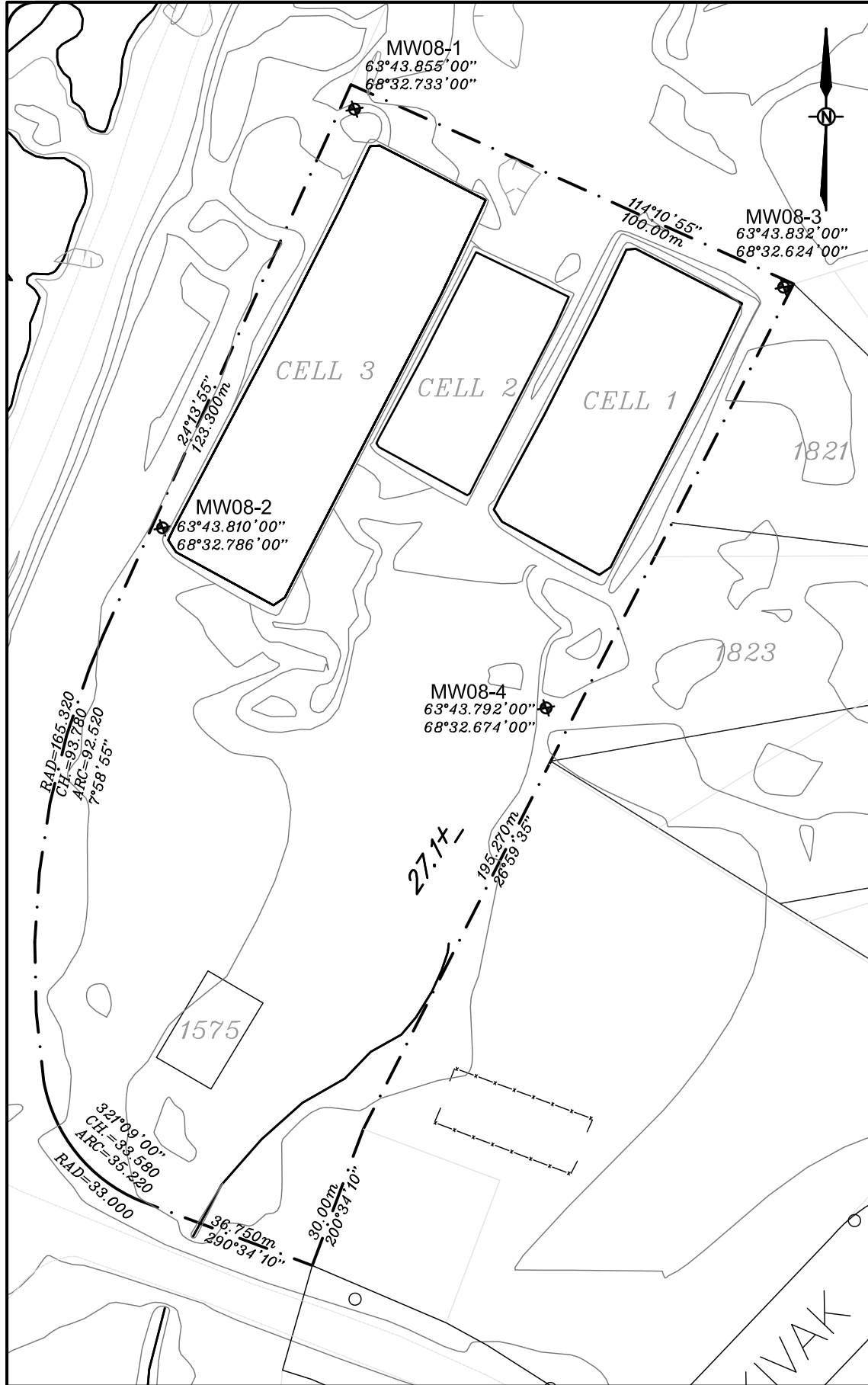
LEGEND:

- PROPERTY LINE
- EXISTING GRADE ELEVATION
- EXISTING LIGHT POLE
- ENTRANCE/EXIT
- EXISTING POWER POLE
- PROPOSED GRADE ELEVATION
- NEW LIGHT POLE
- WATER TEST WELLS

ALL SITE INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY OF:
LOT 1, BLOCK 229
SOURCE: CITY OF IQALUIT
LOT AREA = 20,233.27m²



| | | | | | | |
|--|--|--|-----------------------|-------|--|--|
| <div>1</div> <div>G5</div> | GPS LOCATION | | LOT 1, BLOCK 229 | | | |
| | SCALE: 1:1200 | | DATE: 2005 | SPG.5 | | |
| | PROJECT: SITE SURVEY AND ELEVATIONS | | DRAWN BY: T.STOKES | | | |
| CLIENT DEPARTMENT: NUNATTA ENVIRONMENTAL INC. | | | | | | |
| COMMUNITY: IQALUIT, NU | | | | | | |



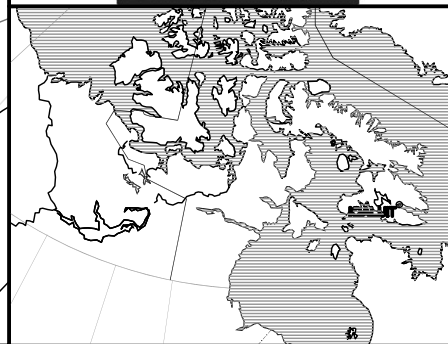
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| PROPOSED GRADE ELEVATION | 1.00 |
| NEW LIGHT POLE | NPP |
| WATER TEST WELLS | ⊗ |

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SOURCE: CITY OF IQALUIT
LOT AREA = 20,233.27m²



1
G1

AV PLAN

SCALE: 1:1200

PROJECT:
SITE SURVEY

CLIENT DEPARTMENT:
NUNATTA ENVIRONMENTAL INC.

COMMUNITY:
IQALUIT, NU

LOT 1, BLOCK 229

DATE:
NOVEMBER 2008

DRAWN BY:
T.STOKES

SPG.7